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RANGER - EVEREST

WIRING DIAGRAMS

RHD / LHD
MY 2006 - 2008

CONTENTS

RANGER

BASE MANUAL

DEC. 2005 (F198-30-05L)

SUPPLEMENTS

APR. 2006 (F1A4-20-06D)

JUL. 2006 (F1A5-30-06G)

JUL. 2006 (F1A5-40-06G)

RANGER / EVEREST

SUPPLEMENTS

AUG. 2006 (F1A9-30-06H)

SEP. 2006 (F1B1-20-06I)

SEP. 2006 (F1B1-30-06I)

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RANGER
WIRING DIAGRAMS

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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Ford Motor Company

APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

CONTENTS

TITLE	SECTION		
		PREVIOUS	NEW
GENERAL INFORMATION	SYSTEM CIRCUIT DIAGRAM/CONNECTOR LOCATIONS	GI (GENERAL INFORMATION)	00
		W (ELECTRICAL WIRING SCHEMATIC)	
		FB (FUSE BLOCK)	
		JB (JOINT BOX)	
		X (COMMON CONNECTOR)	
		Y (GROUND POINT)	
		U (DATA LINK CONNECTOR)	
ENGINE		A (CHARGING SYSTEM/ STARTING SYSTEM)	01
		B (ENGINE CONTROL SYSTEM)	
		Q (CRUISE CONTROL SYSTEM)	
SUSPENSION		—	02
DRIVELINE/AXLE		—	03
BRAKES		O (ANTI-LOCK BRAKE SYSTEM)	04
TRANSMISSION/ TRANSAXLE		H (EC-AT CONTROL SYSTEM)	05
STEERING		N (ELECTRIC POWER STEERING SYSTEM)	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)		G (AIR CONDITIONING SYSTEM)	07
RESTRAINTS		S (SEAT BELT/AIR BAG SYSTEM)	08
BODY & ACCESSORIES		C (GAUGE CONTROL SYSTEM)	09
		D (WIPER SYSTEM)	
		E (EXTERIOR LIGHTING SYSTEM)	
		F (SIGNAL SYSTEM)	
		I (INTERIOR LIGHTING SYSTEM)	
		J (AUDIO SYSTEM)	
		K (DOOR/WINDOW SYSTEM)	
		L (MIRROR SYSTEM)	
		M (SUNROOF SYSTEM)	
		P (POWER SEAT SYSTEM)	
		T (SECURITY AND LOCKS SYSTEM/OPTION)	
ALPHABETICAL INDEX		AI (ALPHABETICAL INDEX)	AI

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F198-30-05L

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

MNB BS****
MNB DS******
MNB LS******
MNB US******

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE.....2
VEHICLE IDENTIFICATION NUMBERS (VIN).....3
CONTENTS OF WIRING DIAGRAMS 4
GROUND POINTS 5
SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM ...6
ROUTING DIAGRAM 8
HARNESS SYMBOLS.....9
WIRING COLOR CODE 9
SYMBOLS 10
ABBREVIATIONS USED IN THIS MANUAL 12
P ELECTRICAL SYSTEM GENERAL PROCEDURES.....14

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 18
F FUSE BOX 20
C COMMON CONNECTOR LIST 22
G GROUND POINT.....26

DATA LINK CONNECTOR

D DATA LINK CONNECTOR.....30

01 ENGINE

17 CHARGING SYSTEM 32
19 STARTING SYSTEM.....34
40 CONTROL SYSTEM
WL-3 36
WL-C, WE-C 42

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE
REMOTE FREEWHEEL CONTROL SYSTEM.....52

04 BRAKES

13 ANTILOCK BRAKE SYSTEM
4 WHEEL ANTILOCK BRAKE SYSTEM (4WABS) 56
REAR ANTILOCK BRAKE SYSTEM.....58

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM
HEATER AND AIR CONDITIONER.....60

08 RESTRAINTS

10 AIR BAG SYSTEM
AIR BAG SYSTEM SERVICE CAUTIONS/ SERVICE WARNINGS..... 62
AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION) 64

09 BODY & ACCESSORIES

12 GLASS/WINDOWS/MIRRORS
REAR WINDOW DEFROSTER 68
POWER WINDOW SYSTEM..... 70
POWER OUTER MIRROR 74
14 SECURITY AND LOCKS
POWER DOOR LOCK SYSTEM 76
KEYLESS CONTROL MODULE..... 80
IMMOBILIZER SYSTEM..... 82
THEFT-DETERRENT SYSTEM..... 84
18 LIGHTING SYSTEMS
HEADLIGHT 88
LICENSE PLATE LIGHT 90
PARKING LIGHT..... 90
TAILLIGHT 90
FRONT FOG LIGHT 92
TURN AND HAZARD WARNING LIGHT..... 94
BACK-UP LIGHT 96
BRAKE LIGHT 98
HIGH-MOUNT BRAKE LIGHT..... 98
ILLUMINATION LIGHT..... 100
INTERIOR LIGHT 102
19 WIPER/WASHER SYSTEM
WINDSHIELD WIPER AND WASHER 104
20 ENTERTAINMENT
ACCESSORY SOCKET 106
CIGARETTE LIGHTER..... 106
AUDIO SYSTEM..... 108
22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER..... 112
HORN 118

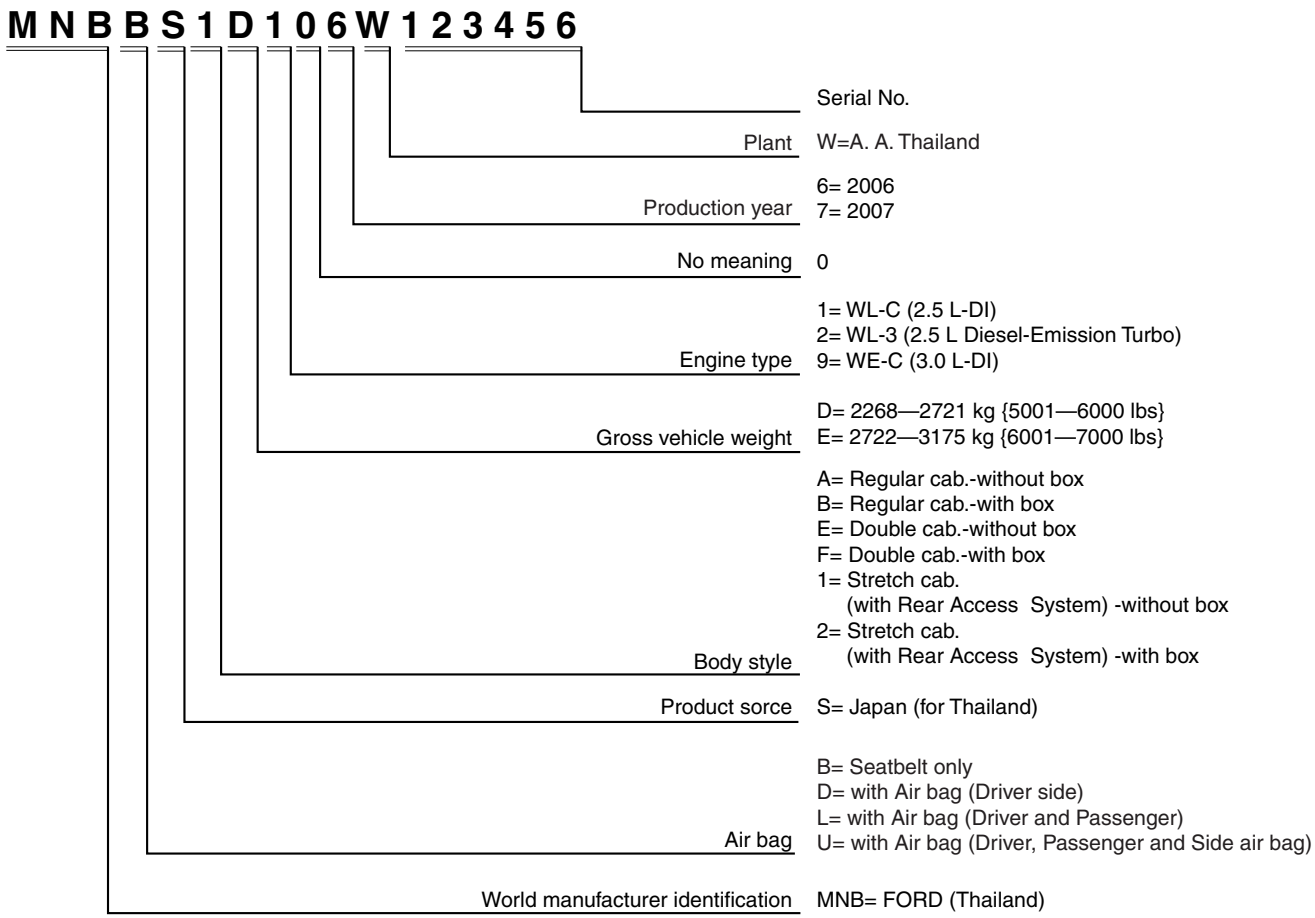
AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 120

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE



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VEHICLE IDENTIFICATION NUMBERS (VIN)

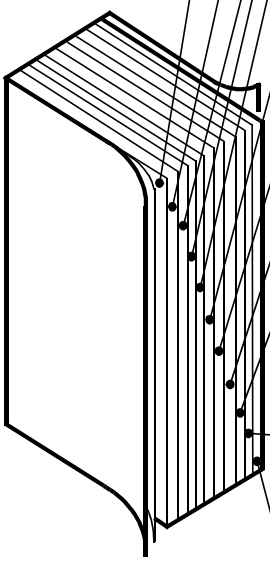
MNB BS****
MNB DS******
MNB LS******
MNB US********

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Reading Wiring Diagrams

CONTENTS OF WIRING DIAGRAMS

- This manual comprises the sections shown below.



NEW					PREVIOUS	
GENERAL INFORMATION	00	R	Reading wiring diagrams	A how-to on using and reading wiring diagrams, using test equipment, checking harness and connectors, and finding trouble spots	GI	General information of wiring diagrams
		P	Electrical system general procedures			
		E	Electrical wiring schematic	Shows main fuses and other fuses for each system	W	Electrical wiring schematic
		F	Fuse box complete wiring system	Shows internal circuits and connectors	FB	Fuse block complete wiring system
		J	Joint box/Junction box complete wiring system		JB	Joint box complete wiring system
		C	Common connector list	Shows connectors common throughout system	X	Common connector list
		G	Ground point	Ground routes from and to the battery	Y	Ground point
		D	Data link connector	Shows circuit and connector diagrams and component and connector location diagrams	U	Data link connector
ENGINE	01	12	Cooling system		A	Charging system/Starting system
		14	Fuel system			
		17	Charging system		B	Engine control system
		18	Ignition system		C	Gauge control system
		19	Starting system		D	Wiper system
		20	Cruise control system		E	Lighting system
		40	Control system		F	Signal system
SUSPENSION	02	12	Wheel and tires		G	Air-conditioning system
DRIVELINE/AXLE	03	18	4-Wheel drive			
BRAKES	04	13	Antilock brake system		H	Transmission control/Key interlock/Shift-lock system
		14	Traction control system			
		15	Dynamic stability control			
TRANSMISSION/ TRANSAXLE	05	13	Automatic transmission		I	Interior light system
		14	Automatic transmission shift mechanism		J	Audio/Radio system
		17	Automatic transaxle			
		18	Automatic transaxle shift mechanism		K	Power window/Power door lock system
STEERING	06	13	Electric power steering (EPS)			
		14	Power steering			
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07	40	Control system		L	Remote control mirror system
RESTRAINTS	08	10	Air bag system			
		11	Seat belt		M	Sliding sunroof system
BODY & ACCESSORIES	09	12	Glass/Windows/Mirrors		O	Anti-lock brake system
		13	Seats			
		14	Security and locks		N	Electric power steering (EPS)
		15	Sunroof			
		18	Lighting systems		P	Power seat/Seat warmer system
		19	Wiper/Washer system			
		20	Entertainment		Q	Auto cruise control system
		21	Power systems			
		22	Instrumentation/Driver info.		S	Air bag system
		40	Control system		T	Others
AI			Alphabetical Index	Gives page number of circuit diagram for each component	AI	Alphabetical Index

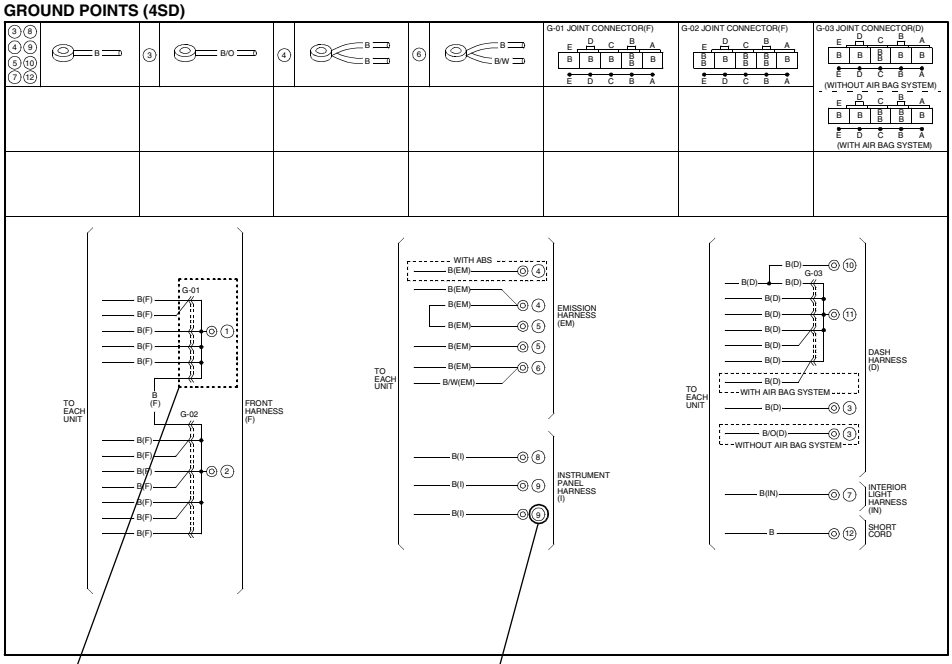
Depending on the vehicle model, the actual sections may be different.

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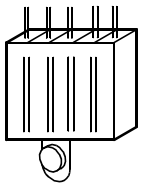
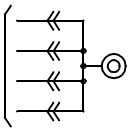
GROUND POINTS

- This shows ground points of the harness.

GROUND POINTS (4SD)



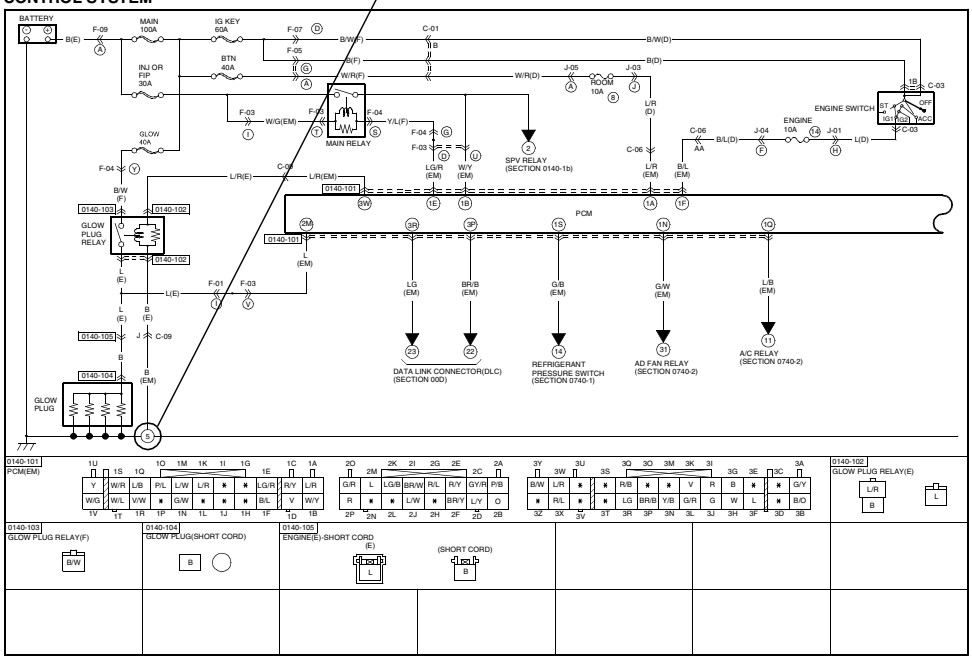
Ground indication

On vehide	Indication
	To circuit 

On circuit diagrams and ground points

The ground connection numbers in system circuit diagrams correspond to those in the ground point diagram.

CONTROL SYSTEM



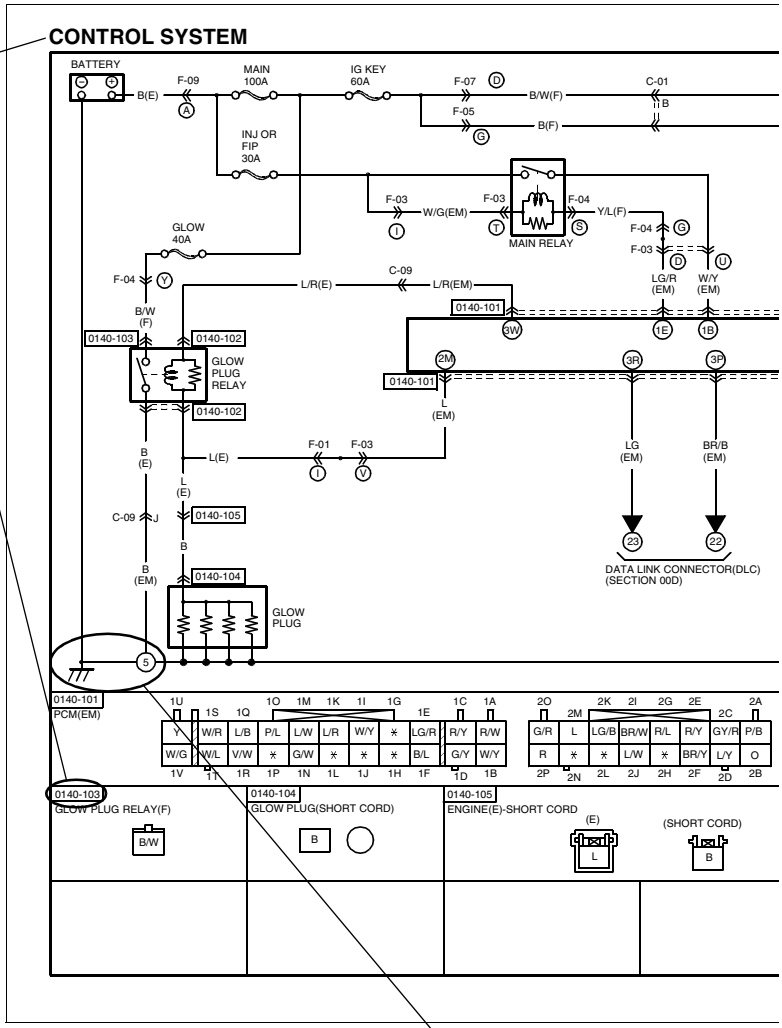
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SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM

- These diagrams show the circuits for each system, from the power supply to the ground. The power supply side is on the upper part of the page, the ground side on the lower part. The diagrams describe circuits with the ignition switch off.

  Below is an explanation of the various points in the diagram.

System name



Connector code

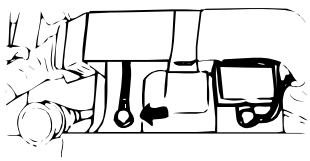
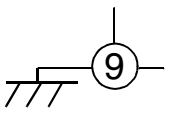
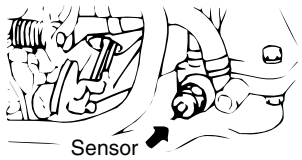
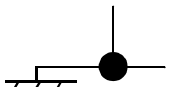
The prefix letter indicates the system in which the connector is used.

- **F**: Fuse box connectors
- **J**: Joint box/Junction box connectors
- **C**: Common connectors
- **G**: Ground point connectors
- **D**: Data link connector

0112: Cooling system connectors
0114: Fuel system connectors
0117: Charging system connectors
0118: Ignition system connectors
0119: Starting system connectors
0120: Cruise control system connectors
0140: Engine control system connectors
0212: Wheel and tires connectors
0318: 4-Wheel drive connectors
0413: Antilock brake system connectors
0414: Traction control system connectors
0415: Dynamic stability control connectors
0513: Automatic transmission connectors
0514: Automatic transmission shift mechanism connectors
0517: Automatic transaxle connectors
0518: Automatic transaxle shift mechanism connectors
0613: Electric power steering (EPS) connectors
0614: Power steering connectors
0740: Heater, ventilation & air conditioning (HVAC) control system connectors
0810: Air bag system connectors
0811: Seat belt connectors
0912: Glass/Windows/Mirrors connectors
0913: Seats connectors
0914: Security and locks connectors
0915: Sunroof connectors
0918: Lighting systems connectors
0919: Wiper/Washer system connectors
0920: Entertainment connectors
0921: Power systems
0922: Instrumentation/Driver info. Connectors
0940: Control system

Ground numbers

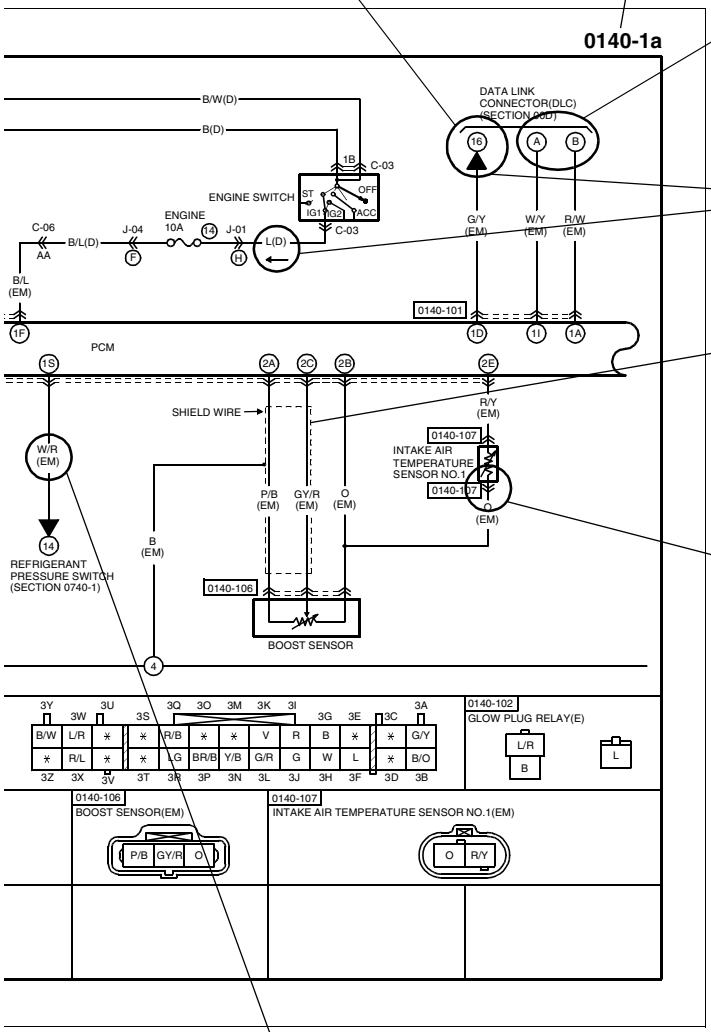
A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
Harness 	
Unit 	

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The number indicates that the circuit continues to the related system diagram.

System code



Multiplex communication

Indicates communication with connected parts. Signals are transmitted back and forth between connected parts.

Current symbol

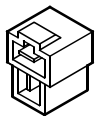
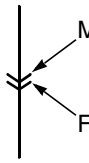
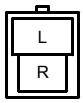
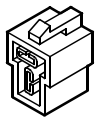
Current flows in the direction of the arrow.

Indicates shielded wire.*

* Shielded wire :
Prevents signal disturbances from electrical interference.
Wire is covered by a metal meshing for grounding.

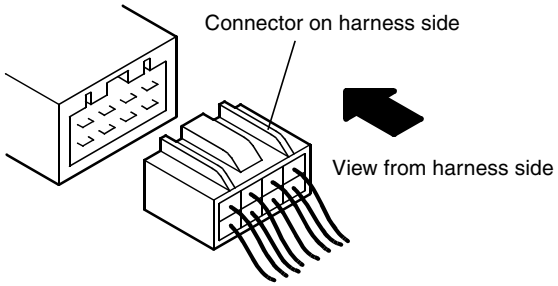
Connector symbols

- Male and female connectors are represented as follows in the circuit and connector diagrams.

		Circuit diagram symbol	Connector diagram symbol
Male			
Female			

- Like connectors are linked by dashed lines between the connector symbols.
- Connector diagrams show connectors on the harness side. The terminal indicates the view from the harness side.

(Example)

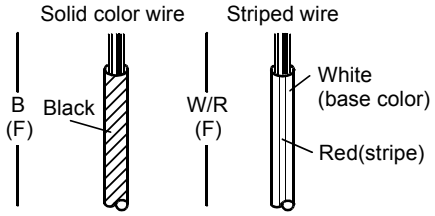


- Colors for connectors except white are given in locations.
- Unused terminals are indicated by ∗.

Wire color code (harness symbol)

- Two-color wires are indicated by a two-letter symbol.The first indicates the base color of the wire, the second the color of the stripe.
  For example:
  W/R is a white wire with a red strip
  BR/Y is a brown wire with a yellow strip

Symbol
(Example)



- The harness symbol is in ( ) following the harness symbols (refer to P-9.).

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ROUTING DIAGRAM

- The routing diagram shows where electrical components are on the system circuit diagram by call out line and connector symbols.

Connector symbol

Shows the system that uses the connector.

(Example)

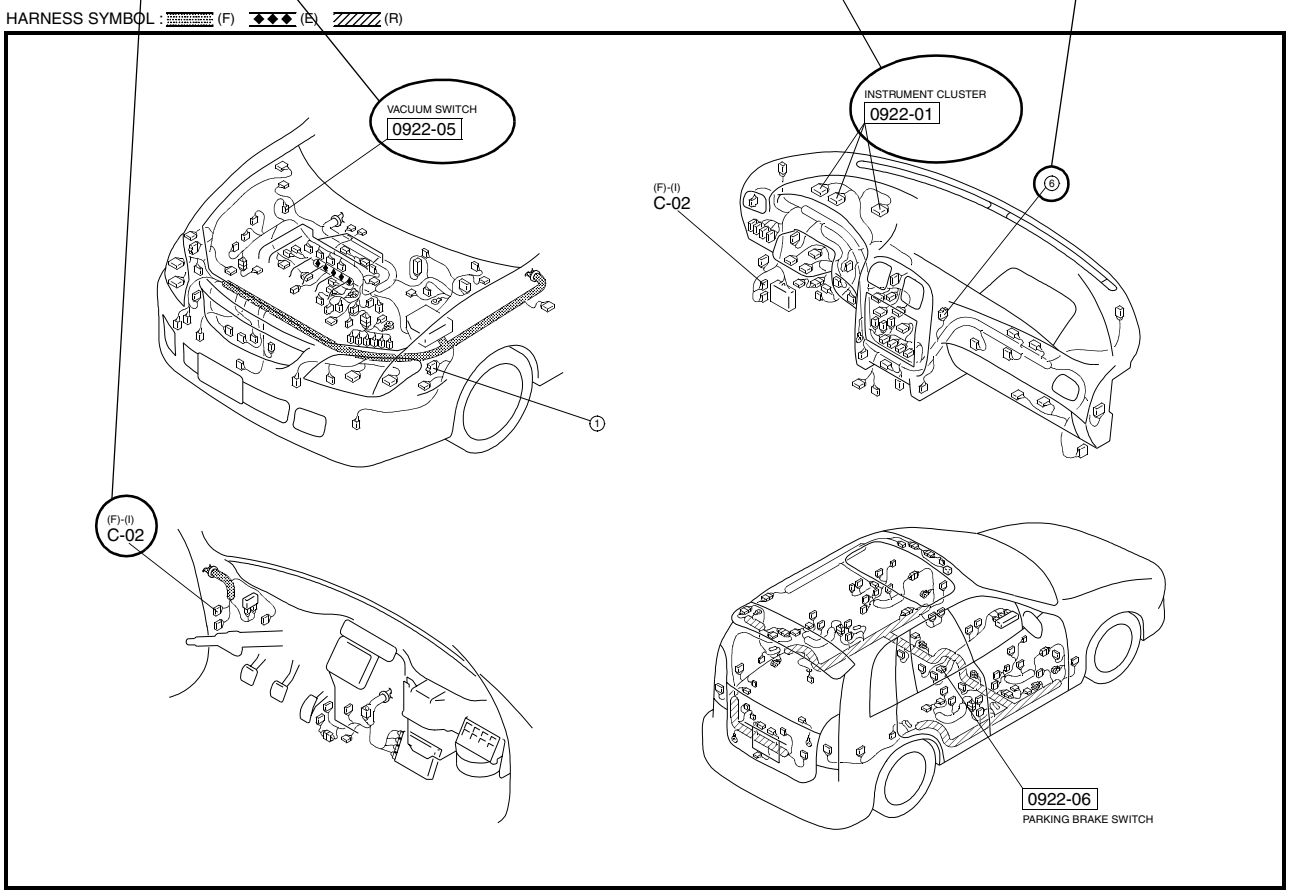
Connector	Symbol
Common connectors	C-02
System connectors	0922-05

Component name

Shows the names of components in routing diagrams.

Ground symbol

Shows the ground in system diagrams.



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HARNESS SYMBOLS

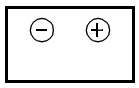
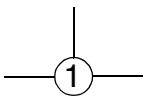
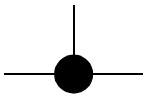
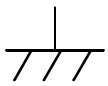
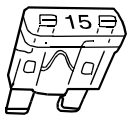
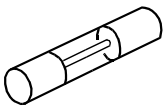
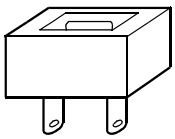
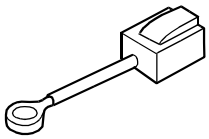
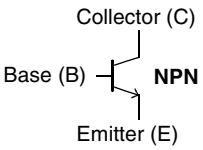
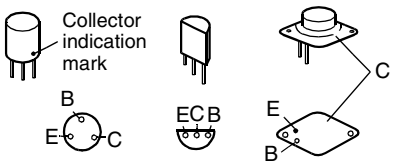
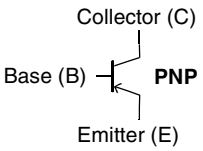
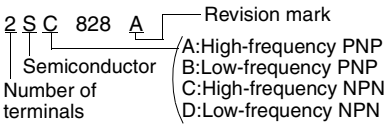
DESCRIPTION OF HARNESS	SYMBOL		DESCRIPTION OF HARNESS	SYMBOL	
FRONT HARNESS	(F)		DOOR No. 1 HARNESS	(DR1)	—
FRONT No. 2 HARNESS	(F2)		DOOR No. 2 HARNESS	(DR2)	
ENGINE HARNESS	(E)		DOOR No. 3 HARNESS	(DR3)	
DASH HARNESS	(D)		DOOR No. 4 HARNESS	(DR4)	
REAR HARNESS	(R)		FLOOR HARNESS	(FR)	—
REAR No. 2 HARNESS	(R2)		INTERIOR LIGHT HARNESS	(IN)	—
REAR No. 3 HARNESS	(R3)		A/C HARNESS	(AC)	—
INSTRUMENT PANEL HARNESS	(I)	—	INJECTION HARNESS	(INJ)	—
EMISSION HARNESS	(EM)		HAND BRAKE HARNESS	(HB)	—
EMISSION No. 2 HARNESS	(EM2)	—			
EMISSION No. 3 HARNESS	(EM3)				

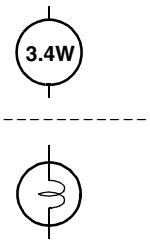
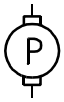
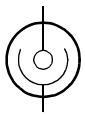
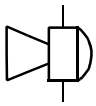
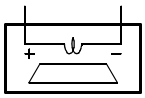
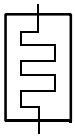
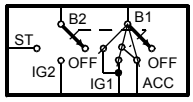
WIRING COLOR CODE

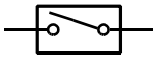
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BLACK	B	ORANGE	O
BLUE	L	PINK	P
BROWN	BR	RED	R
DARK BLUE	DL	SKY BLUE	SB
DARK GREEN	DG	TAN	T
GRAY	GY	VIOLET	V
GREEN	G	WHITE	W
LIGHT BLUE	LB	YELLOW	Y
LIGHT GREEN	LG		

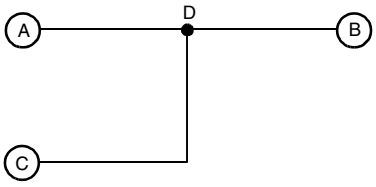
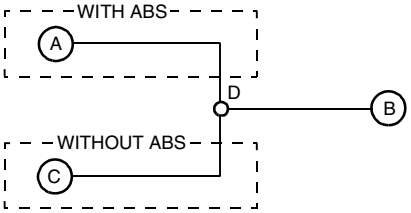
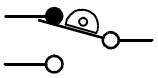
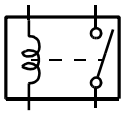
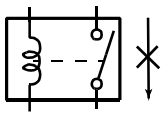
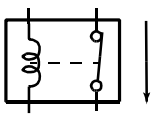
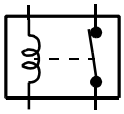
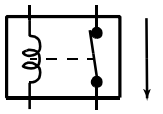
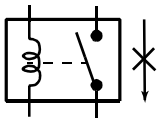
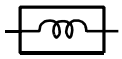
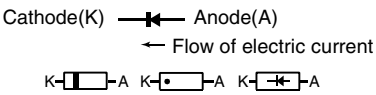
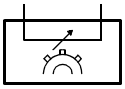
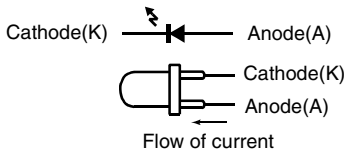
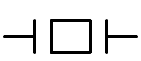
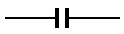
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SYMBOLS

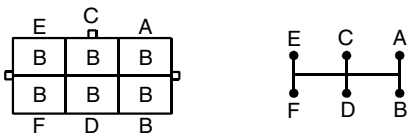
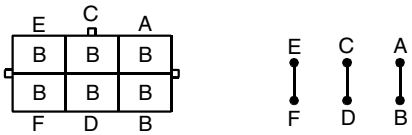
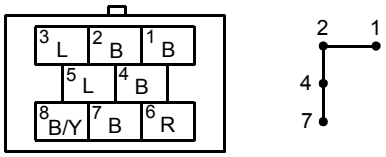
Symbol	Meaning
Battery 	• Generates electricity through chemical reaction. • Supplies direct current to circuits.
Ground (1) 	• Connecting point to vehicle body or other ground wire where current flows from positive to negative terminal of battery. • Ground (1) indicates a ground point to body through wire harness. • Ground (2) indicates point where component is grounded directly to body. Remarks • Current will not flow through a circuit if ground is faulty.
Ground (2) 	
Ground (3) 	
Fuse 	• Melts when current flow exceeds that specified for circuit, interrupts current flow. Precautions • Do not replace with fuses exceeding specified capacity. <Blade type>  <Tube type>  <Cartridge type>  <Fusible link> 
Fuse (For high current fuse)/ Fusible link 	
Transistor (1) 	• Electrical switching component. • Turns on when voltage is applied to the base (B). 
Transistor (2) 	• Reading code. 

Symbol	Meaning
Light 	• Emits light and generates heat when current flows through filament.
Resistance	• A resistor with a constant value. • Mainly used to protect electrical components in circuits by maintaining rated voltage.
Motor 	• Converts electrical energy into mechanical energy.
Pump 	• Pulls in and discharges gases and liquids.
Cigarette lighter 	• Electrical coil that generates heat.
Accessory socket 	• Interior power supply.
Horn 	• Generates sound when current flows.
Speaker 	
Heater 	• Generates heat when current flows.
Ignition switch 	• Turning ignition key switches circuit to operate various component. (NOTE) Ignition switch is called engine switch on diesel vehicles.

<table>
<tr><th>Symbol</th><th>Meaning</th><th>Symbol</th><th>Meaning</th></tr>
<tr><td>Switch (1)
 
Normally open</td><td rowspan="2">• Allows or breaks current flow by opening and closing curcuits.</td><td rowspan="2">Harness
Connection
 
When circuit C-D is connected to circuit A-B, the connection D is indicated by a black dot.

Selection
 
Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.</td><td rowspan="2"> 
For vehicles with ABS, use the A-B circuit.
 
For vehicles without ABS, use the C-B circuit.</td></tr>
<tr><td>Switch (2)
 
Normally closed</td></tr>
<tr><td>Autostop switch
  </td><td>• Automatically shuts off circuit when certain conditions are met.</td></tr>
<tr><td>Relay (1)
 
Normally open</td><td colspan="3">• Current flowing through coil produces electromagnetic force causing contact to open or close.
No current to coil
 
No flow
Current to coil
 
Flow</td></tr>
<tr><td>Relay (2)
 
Normally closed</td><td colspan="3">• Current flowing through coil produces electromagnetic force causing contact to close.
No current to coil
 
Flow
Current to coil
 
No flow</td></tr>
<tr><td>Sensor (1)
  </td><td>• Detects characteristics such as intake manifold vacuum and airflow amount according to resistance variation.</td><td>Solenoid
  </td><td>• Current flowing through coil generates electromagnetic force to operate plungers.</td></tr>
<tr><td>Sensor (2)
  </td><td>• Detects resistance variation according to operation of other parts.</td><td rowspan="2">Diode
  </td><td rowspan="2">• Known as a semiconductor rectifier, the diode allows current flow in one direction only.
  </td></tr>
<tr><td>Sensor (3)
  </td><td>• A resistor whose resistance variation according to temperature variation.
• When temperature increases, resistance decreases.</td></tr>
<tr><td>Sensor (4)
  </td><td>• Detects pulse signals from rotating object.</td><td rowspan="2">Light-emitting diode (LED)
  </td><td rowspan="2">• A diode that lights when current flows.
• Unlike ordinary bulbs, the diode does not generate heat when lit.
  </td></tr>
<tr><td>Sensor (5)
  </td><td>• Generates potential difference when tension or pressure is applied.</td></tr>
<tr><td>Capacitor
  </td><td>• Component that temporarily stores electrical charge.</td><td>Reference diode (Zener diode)
  </td><td>• Allows current to flow in one direction up to a certain voltage; allows current to flow in the other direction once that voltage is exceeded.</td></tr>
</table>

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Symbol	Meaning
Extent of the change in the wiring position (1) 	• The wiring position can be exchanged freely within the connector.
Extent of the change in the wiring position (2) 	• The wiring position can be exchanged according to the following combinations only. Between A and B, Between C and D, Between E and F
Extent of the change in the wiring position (3) 	• The wiring position can be exchanged according to the following combinations only. Between 1, 2, 4 and 7. • The wiring positions may be indicated by numbers for some connectors.

ABBREVIATIONS USED IN THIS MANUAL

3GR	THIRD GEAR
4GR	FOURTH GEAR
A	AMPERE
A/C	AIR CONDITIONING
A/F	AIR FUEL
AAS	AUTO ADJUSTING SUSPENSION
ABS	ANTI-LOCK BRAKING SYSTEM
ACC	ACCESSORIES
ACV	AIR CONTROL VALVE
ADD	ADDITIONAL
AIS	AIR INJECTION SYSTEM
ALL	AUTOMATIC LOAD LEVELING
AM	AMPLITUDE MODULATION
AMP	AMPLIFIER
ANT	ANTENNA
ASV	AIR SUPPLY VALVE
AT	AUTOMATIC TRANSMISSION
ATX	AUTOMATIC TRANSAXLE
B+	BATTERY POSITIVE VOLTAGE
BAC	BYPASS AIR CONTROL
CAN	CONTROLLER AREA NETWORK
CIGAR	CIGARETTE
CIS	CONTINUOUS FUEL INJECTION SYSTEM
CKP	CRANKSHAFT POSITION SENSOR
CM	CONTROL MODULE
CMP	CAMSHAFT POSITION SENSOR

COMBI	COMBINATION
CON	CONDITIONER
CONT	CONTROL
CPU	CENTRAL PROCESSING UNIT
DEF	DEFROSTER
DI	DISTRIBUTOR IGNITION
DLC	DATA LINK CONNECTOR
DLI	DISTRIBUTORLESS IGNITION
DOHC	DOUBLE-OVERHEAD CAMSHAFT
DRL	DAYTIME RUNNING LIGHT
DTC	DIAGNOSTIC TROUBLE CODE(S)
DTM	DIAGNOSTIC TEST MODE
ECPS	ELECTRONICALLY CONTROLLED POWER STEERING
ECT	ENGINE CONTROL TEMPERATURE
EGR	EXHAUST GAS RECIRCULATION
EHPAS	ELECTRO HYDRAULIC POWER ASSIST STEERING
EI	ELECTRONIC IGNITION
ELEC	ELECTRIC
ELR	EMERGENCY LOCKING RETRACTOR
ET	ELECTRONIC THROTTLE
EPS	ELECTRIC POWER STEERING
EVAP	EVAPORATIVE EMISSION
F	FRONT
F/I	FUEL INJECTOR
FICB	FAST-IDLE CAM BREAKER

FM	FREQUENCY MODULATION
FP	FUEL PUMP
FPR	FUEL PUMP RELAY
GEN	GENERATOR
GND	GROUND
H/D	HEATER/DEFROSTER
HEAT	HEATER
HI	HIGH
HO2S	HEATED OXYGEN SENSOR
HS	HIGH SPEED
HU	HYDRAULIC UNIT
IAC	IDLE AIR CONTROL
IAT	INTAKE AIR TEMPERATURE
IG	IGNITION
ILLUMI	ILLUMINATION
INT	INTERMITTENT
JB	JOINT BOX
KS	KNOCK SENSOR
LCD	LIQUID CRYSTAL DISPLAY
LF	LEFT FRONT
LH	LEFT HAND
LO	LOW
LR	LEFT REAR
M	MOTOR
MAF	MASS AIR FLOW
MAP	MANIFOLD ABSOLUTE PRESSURE
MFI	MULTIPORT FUEL INJECTION
MID	MIDDLE
MIL	MALFUNCTION INDICATOR LAMP
MIN	MINUTE
MIX	MIXTURE
MPX	MULTIPLEX
MS	MIDDLE SPEED
MT	MANUAL TRANSMISSION
MTX	MANUAL TRANSAXLE
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O_2S	OXYGEN SENSOR
OBD	ON-BOARD DIAGNOSTIC
O/D	OVER DRIVE
OFF	SWITCH OFF
ON	SWITCH ON
OSC	OSCILLATOR
P	POWER
P/S	POWER STEERING
PCM	POWERTRAIN CONTROL MODULE
PJB	PASSENGER JUNCTION BOX

PNP	PARK/NEUTRAL POSITION
PRC	PRESSURE REGULATOR CONTROL
PRG	PURGE SOLENOID VALVE
PSP	POWER STEERING PRESSURE
PTC	POSITIVE TEMPERATURE COEFFICIENT HEATER
PWM	PULSE WIDTH MODULATION
QSS	QUICK-START SYSTEM
R	REAR
REC	RECIRCULATION
RF	RIGHT FRONT
RH	RIGHT HAND
RPM	REVOLUTIONS PER MINUTE
RR	RIGHT REAR
SAS	SOPHISTICATED AIR BAG SENSOR
SFI	SEQUENTIAL MULTIPOINT FUEL INJECTION
SOL	SOLENOID
SPV	SPILL VALVE
ST	START
SW	SWITCH
TC	TURBOCHARGER
TCC	TORQUE CONVERTER CLUTCH
TCM	TRANSMISSION(TRANSAXLE) CONTROL MODULE
TCS	TRACTION CONTROL SYSTEM
TEMP	TEMPERATURE
TFT	TRANSAXLE FLUID TEMPERATURE
TICS	TRIPLE INDUCTION CONTROL SYSTEM
TNS	TAIL NUMBER SIDE LIGHTS
TP	THROTTLE POSITION SENSOR
TR	TRANSMISSION(TRANSAXLE) RANGE
TWS	TOTAL WIRING SYSTEM
V	VOLT
VAF	VOLUME AIR FLOW SENSOR
VENT	VENTILATION
VICS	VARIABLE INERTIA CHARGING SYSTEM
VOL	VOLUME
VR	VOLTAGE REGULATOR
VRIS	VARIABLE RESONANCE INDUCTION SYSTEM
VSS	VEHICLE SPEED SENSOR
VTCS	VARIABLE TUMBLE CONTROL SYSTEM
W	WATT(S)
WOT	WIDE OPEN THROTTLE

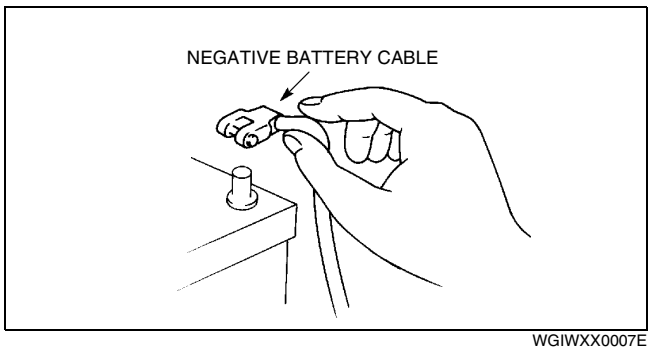
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ELECTRICAL PARTS

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Battery Cable

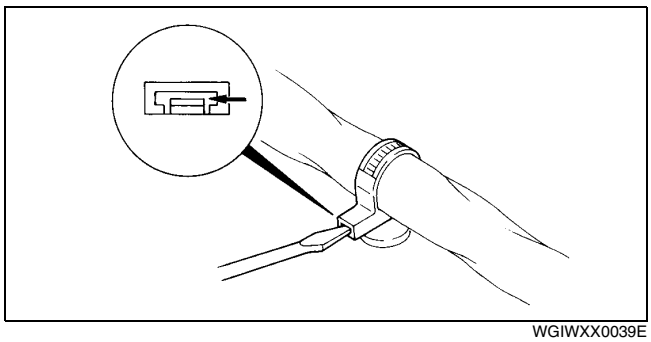
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

Wiring Harness

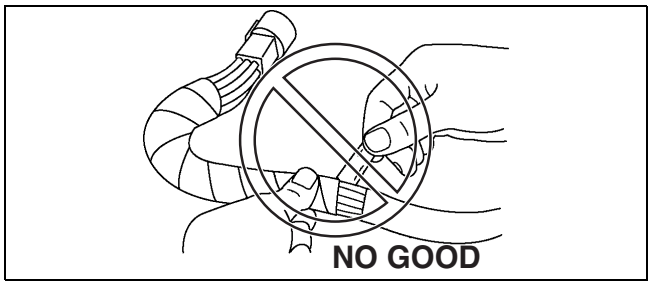
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



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Caution

- **Do not remove the Harness protective tape. Otherwise, the wires could rub against the body, which could result in water penetration and electrical shorting.**



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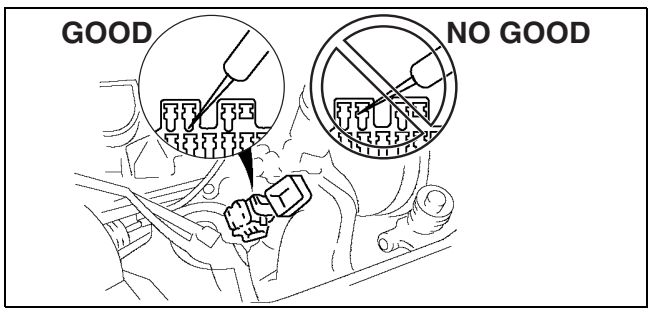
CONNECTORS

Data Link Connector

- Insert the probe into the terminal when connecting a jumper wire to the data link connector.

Caution

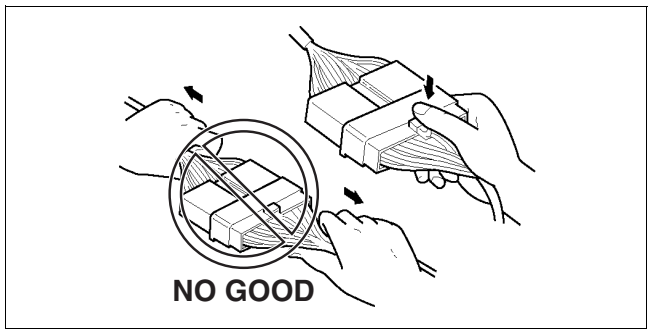
- **Inserting a jumper wire probe into the data link connector terminal may damage the terminal.**



X3U000WAY

Disconnecting Connectors

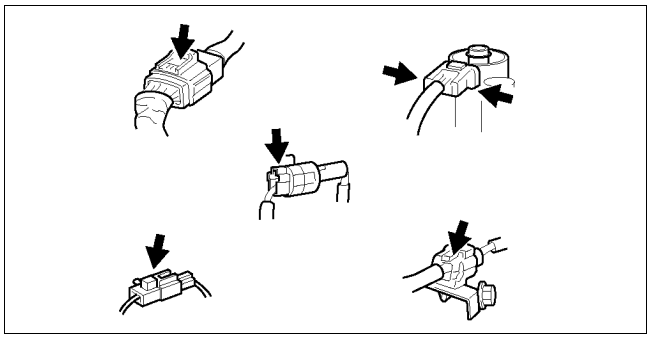
- When disconnecting connector, grasp the connectors, not the wires.



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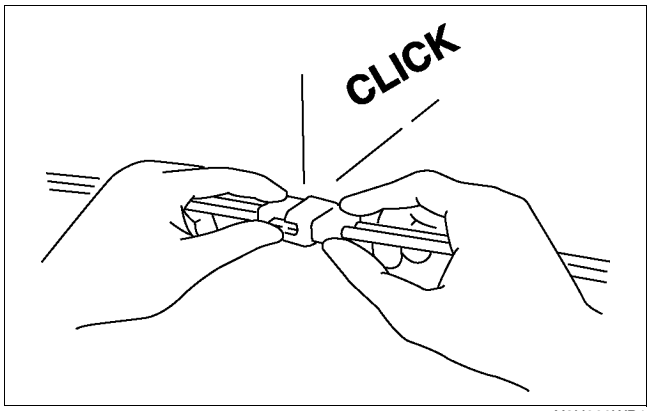
- Connectors can be disconnected by pressing or pulling the lock lever as shown.



WGIWXX0042E

Locking Connector

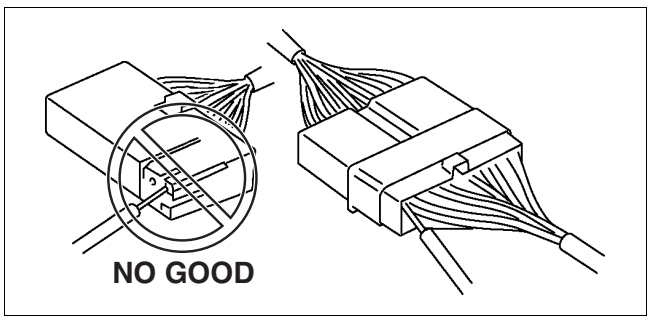
- When locking connectors, listen for a click indicating they are securely locked.



X3U000WB1

Inspection

- When a tester is used to inspect for continuity or measuring voltage, insert the tester probe from the wiring harness side.

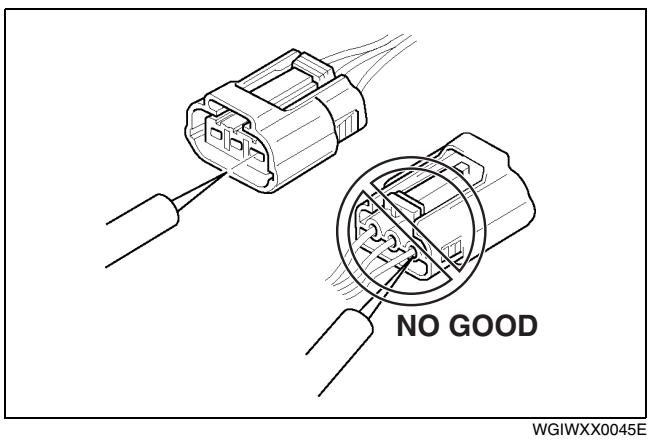


WGIWXX0044E

- Inspect the terminals of waterproof connectors from the connector side since they cannot be accessed from the wiring harness side.

Caution

- **To prevent damage to the terminal, wrap a thin wire around the tester probe before inserting into terminal.**



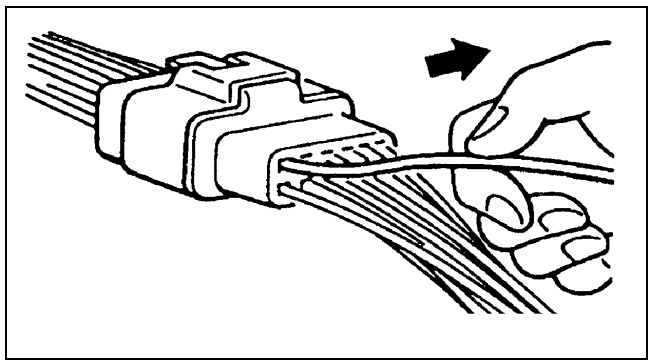
WGIWXX0045E

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Terminals

Inspection

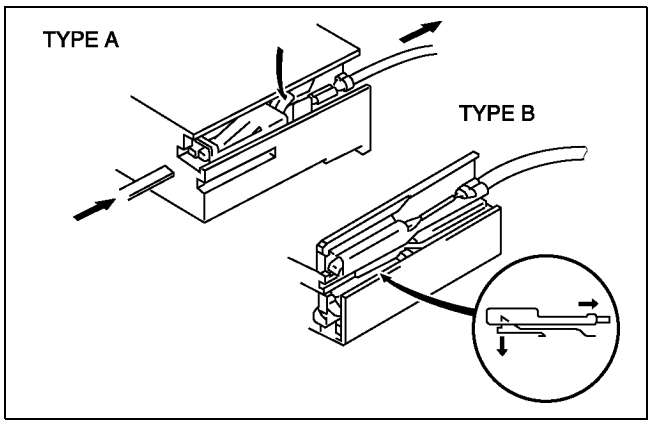
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

Replacement

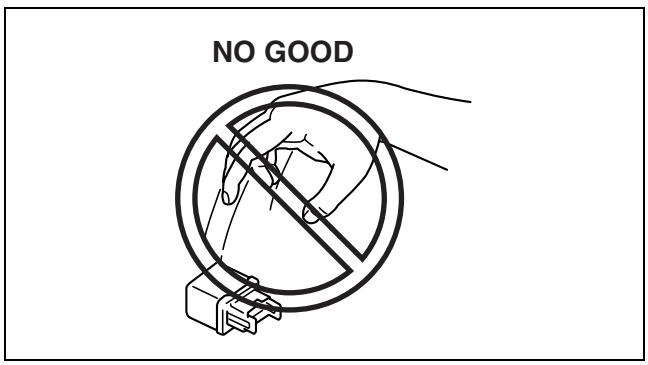
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

Sensors, Switches, And Relays

- Handle sensors, switches, and relays carefully. Do not drop them or strike them against other objects.

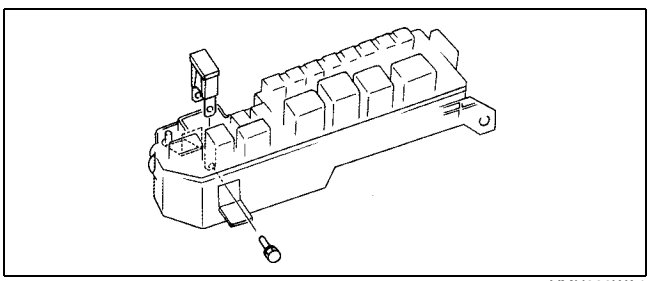


X3U000WB6

Fuse

Replacement

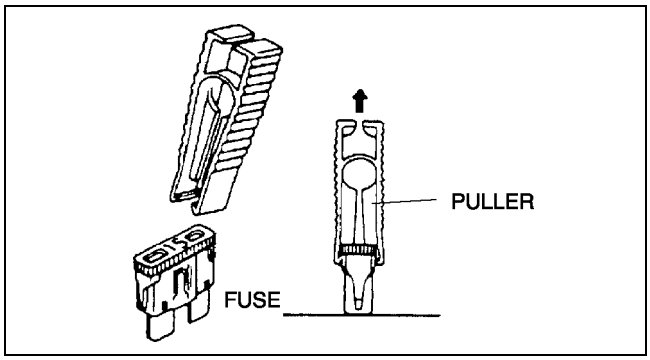
- When replacing a fuse, be sure to replace it with one of the same capacity. If a fuse fails again, the circuit probably has a short and the wiring should be inspected.
- Be sure the negative battery terminal is disconnected before replacing a main fuse.



YMU000WA1

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- When replacing a pullout fuse, use the fuse puller.



YMU000WAK

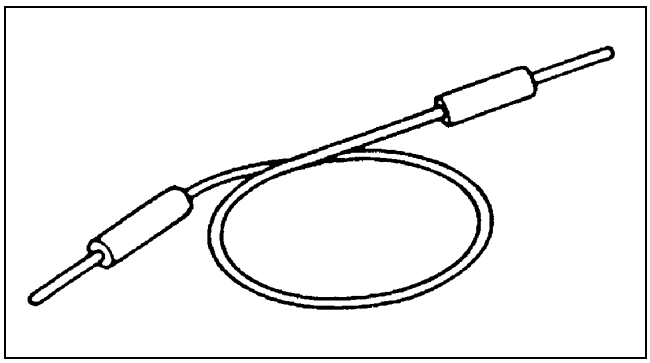
ELECTRICAL TROUBLESHOOTING TOOLS

Jumper Wire

- A jumper wire is used to create a temporary circuit. Connect the jumper wire between the terminals of a circuit to bypass a switch.

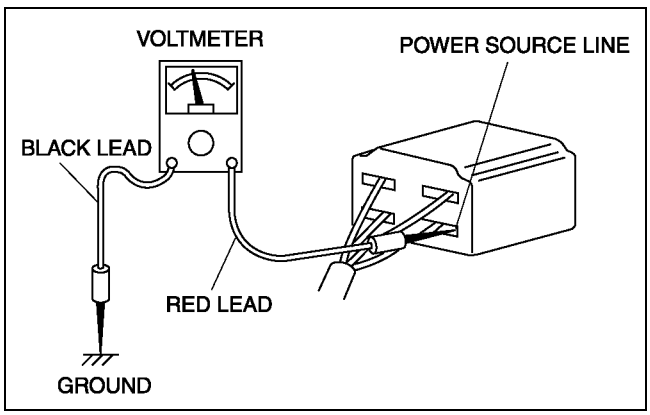
Caution

- **Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.**


X3U000WBB

Voltmeter

- The DC voltmeter is used to measure circuit voltage. A voltmeter with a range of **15 V or more** is used by connecting the positive (+) probe (red lead wire) to the point where voltage will be measured and the negative (-) probe (black lead wire) to a body ground.



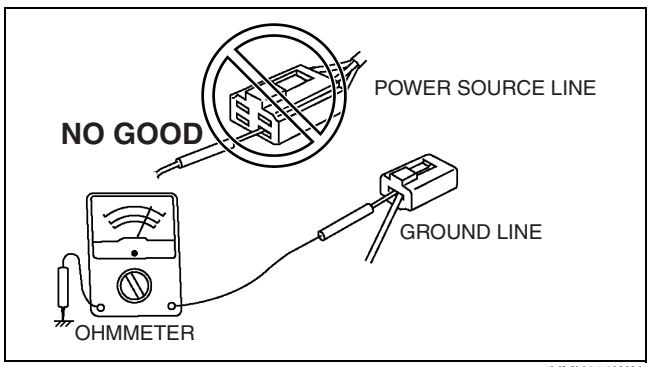
X3U000WBC

Ohmmeter

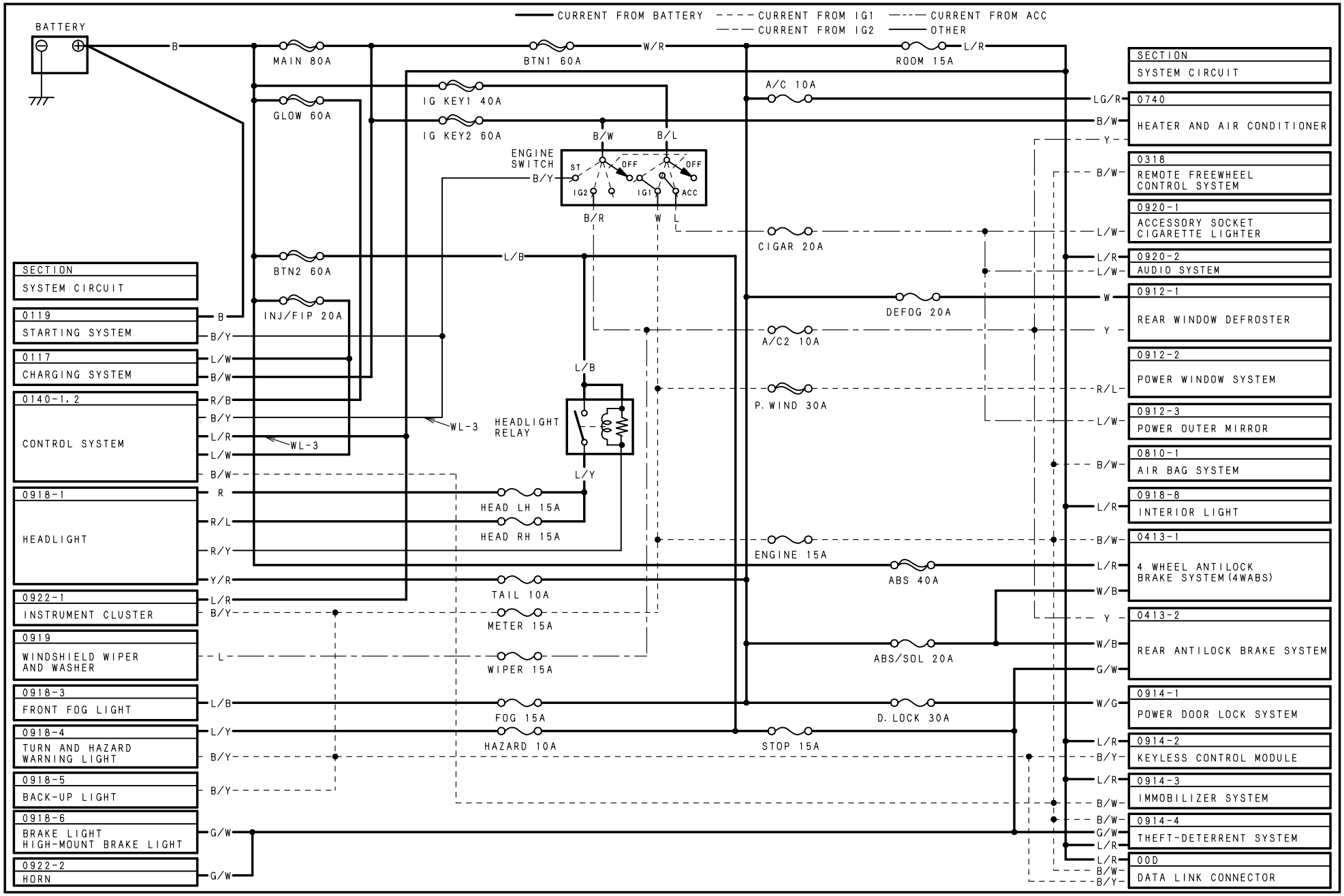
- The ohmmeter is used to measure the resistance between two points in a circuit and to inspect for continuity and short circuits.

Caution

- **Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.**



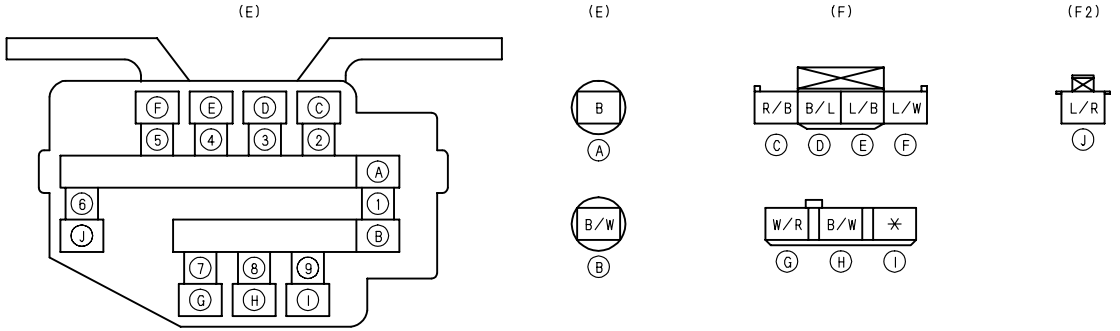
YMU000WAL


CURRENT FROM BATTERY
CURRENT FROM IG1
CURRENT FROM ACC
CURRENT FROM IG2
OTHER
BATTERY
MAIN 80A
BTN1 60A
ROOM 15A
GLOW 60A
IG KEY1 40A
IG KEY2 60A
A/C 10A
ENGINE SWITCH
ST
OFF
IG2
IG1
ACC
BTN2 60A
INJ/FIP 20A
CIGAR 20A
DEFOG 20A
A/C2 10A
P. WIND 30A
HEADLIGHT RELAY
HEAD LH 15A
HEAD RH 15A
TAIL 10A
METER 15A
WIPER 15A
FOG 15A
HAZARD 10A
STOP 15A
ENGINE 15A
ABS 40A
ABS/SOL 20A
D. LOCK 30A
SECTION
SYSTEM CIRCUIT
0119 STARTING SYSTEM
0117 CHARGING SYSTEM
0140-1, 2 CONTROL SYSTEM
0918-1 HEADLIGHT
0922-1 INSTRUMENT CLUSTER
0919 WINDSHIELD WIPER AND WASHER
0918-3 FRONT FOG LIGHT
0918-4 TURN AND HAZARD WARNING LIGHT
0918-5 BACK-UP LIGHT
0918-6 BRAKE LIGHT HIGH-MOUNT BRAKE LIGHT
0922-2 HORN
0740 HEATER AND AIR CONDITIONER
0318 REMOTE FREEWHEEL CONTROL SYSTEM
0920-1 ACCESSORY SOCKET CIGARETTE LIGHTER
0920-2 AUDIO SYSTEM
0912-1 REAR WINDOW DEFROSTER
0912-2 POWER WINDOW SYSTEM
0912-3 POWER OUTER MIRROR
0810-1 AIR BAG SYSTEM
0918-8 INTERIOR LIGHT
0413-1 4 WHEEL ANTILOCK BRAKE SYSTEM (4WABS)
0413-2 REAR ANTILOCK BRAKE SYSTEM
0914-1 POWER DOOR LOCK SYSTEM
0914-2 KEYLESS CONTROL MODULE
0914-3 IMMOBILIZER SYSTEM
0914-4 THEFT-DETERRENT SYSTEM
00D DATA LINK CONNECTOR

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F-01 MAIN FUSE BLOCK

✳ . . . VACANT



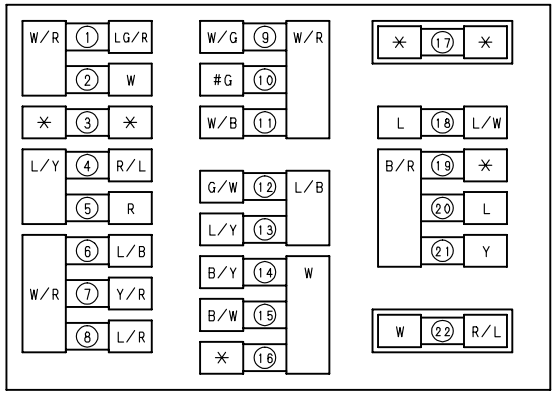
NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( ) IF EQUIPPED

F-02 FUSE BLOCK (F)

✳ . . . VACANT
. . . NOT USED



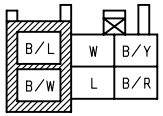
NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(R. FOG)	✳	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	✳	✳
6	(FOG)	15A	17	✳	✳
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	(SEAT)	✳
9	(D. LOCK)	30A	20	WIPER	15A
10	(P. WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P. WIND)	30A

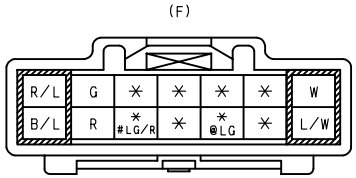
( ) IF EQUIPPED

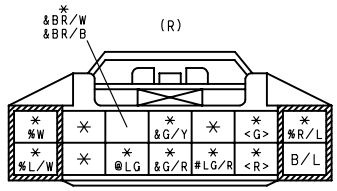
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C-01 ENGINE SWITCH (F)



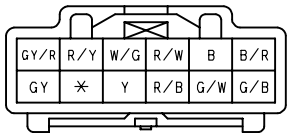
C-02 FRONT (F) -REAR (R)

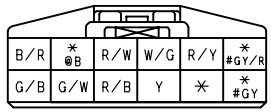




✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH REAR ABS
< > . . . WITH REAR POWER DOOR LOCK SYSTEM
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . NOT USED

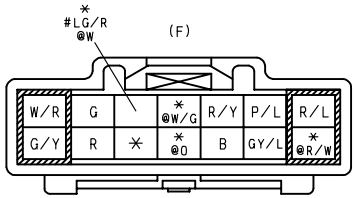
C-03 FRONT (F) -REAR (R)



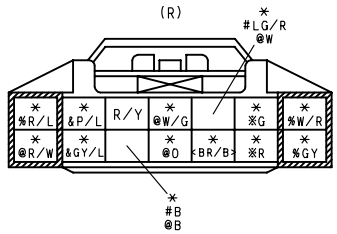


✳ . . . VACANT
. . . WITH REAR SPEAKER
@ . . . WITH HIGH-MOUNT BRAKE LIGHT

C-04 FRONT (F) -REAR (R)

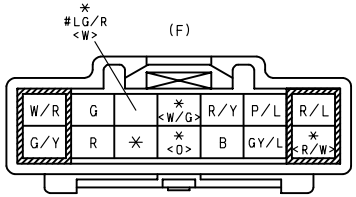


WITH AIR BAG SYSTEM

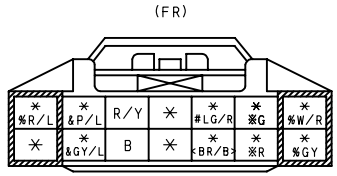


✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH REAR ABS
< > . . . NOT USED
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM

C-04 FRONT (F) -FLOOR (FR)



WITHOUT AIR BAG SYSTEM



✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
< > . . . NOT USED
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM

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COMMON CONNECTOR LIST

C-05 FRONT (F) - ENGINE (E)

✳ . . . VACANT
. . . WL-3
@ . . . WITH RFW CONTROL SYSTEM



C-06 FRONT (F) - ENGINE (E)

✳ . . . VACANT
. . . WL-3
% . . . WITH RFW CONTROL SYSTEM



C-07 FRONT (F) - INTERIOR LIGHT (IN)



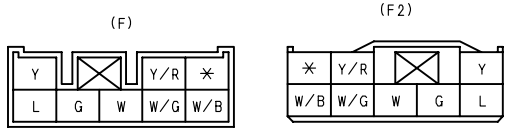
C-08 FRONT (F) - FRONT No. 2 (F2)

✳ . . . VACANT
. . . NOT USED



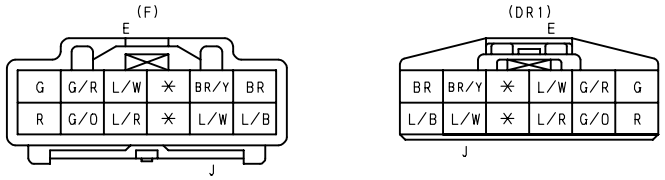
C-09 FRONT (F) - FRONT No. 2 (F2)

✳ . . . VACANT



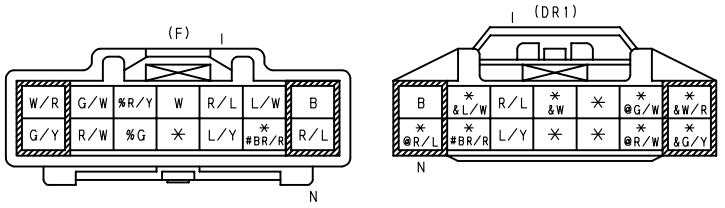
C-10 FRONT (F) - DOOR No. 1 (DR1)

✳ . . . VACANT



C-11 FRONT (F) - DOOR No. 1 (DR1)

✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH POWER WINDOW SYSTEM
& . . . WITH REAR POWER WINDOW SYSTEM
% . . . NOT USED



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C-12 FRONT (F) -DOOR No. 2 (DR2)



✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH POWER WINDOW SYSTEM

C-13 REAR (R) -REAR No. 2 (R2)



✳ . . . VACANT
. . . WITH REAR ABS
@ . . . WITH 4WABS
※ . . . BARE WIRE
< >. . . DOUBLE CAB WITH REAR ABS
※ . . . NOT USED

C-14 REAR (R) -FRONT No. 2 (F2)



✳ . . . VACANT

C-15 REAR (R) -DOOR No. 3 (DR3)



C-16 REAR (R) -DOOR No. 3 (DR3)



C-17 REAR (R) -DOOR No. 4 (DR4)

WITH AIR BAG SYSTEM



C-17 FLOOR (FR) -DOOR No. 4 (DR4)

. . . NOT USED

WITHOUT AIR BAG SYSTEM

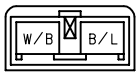


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COMMON CONNECTOR LIST

C-18 REAR (R) -DOOR No. 4 (DR4)

(R)



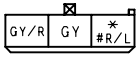
(DR4)



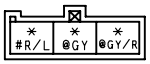
C-19 REAR (R) -DOOR No. 3 (DR3)

✳ . . . VACANT
. . . WITH REAR POWER WINDOW SYSTEM
@ . . . WITH REAR SPEAKER

(R)



(DR3)

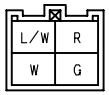


C-20 REAR (R) -DOOR No. 3 (DR3)

(R)

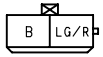


(DR3)

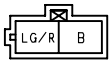


C-21 REAR (R) -DOOR No. 3 (DR3)

(R)



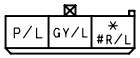
(DR3)



C-22 REAR (R) -DOOR No. 4 (DR4) ←WITH AIR BAG SYSTEM
FLOOR (FR) -DOOR No. 4 (DR4) ←WITHOUT AIR BAG SYSTEM

✳ . . . VACANT
. . . WITH REAR POWER WINDOW SYSTEM
@ . . . WITH REAR SPEAKER

(R) ←WITH AIR BAG SYSTEM
(FR) ←WITHOUT AIR BAG SYSTEM



(DR4)

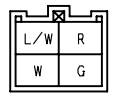


C-23 REAR (R) -DOOR No. 4 (DR4) ←WITH AIR BAG SYSTEM
FLOOR (FR) -DOOR No. 4 (DR4) ←WITHOUT AIR BAG SYSTEM

(R) ←WITH AIR BAG SYSTEM
(FR) ←WITHOUT AIR BAG SYSTEM

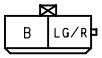


(DR4)

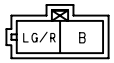


C-24 REAR (R) -DOOR No. 4 (DR4) ←WITH AIR BAG SYSTEM
FLOOR (FR) -DOOR No. 4 (DR4) ←WITHOUT AIR BAG SYSTEM

(R) ←WITH AIR BAG SYSTEM
(FR) ←WITHOUT AIR BAG SYSTEM

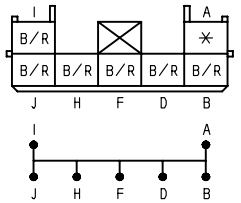


(DR4)



C-25 JOINT CONNECTOR (F)

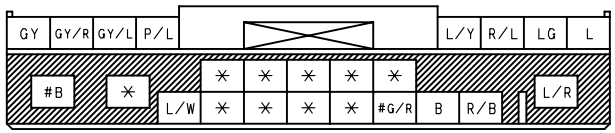
✳ . . . VACANT



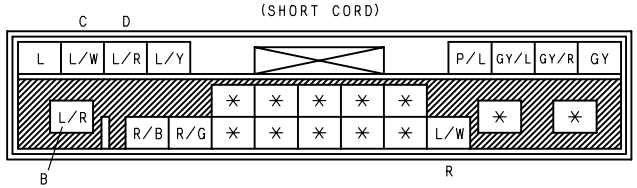
C-26 FRONT (F) -SHORT CORD

✳ . . . VACANT
. . . NOT USED

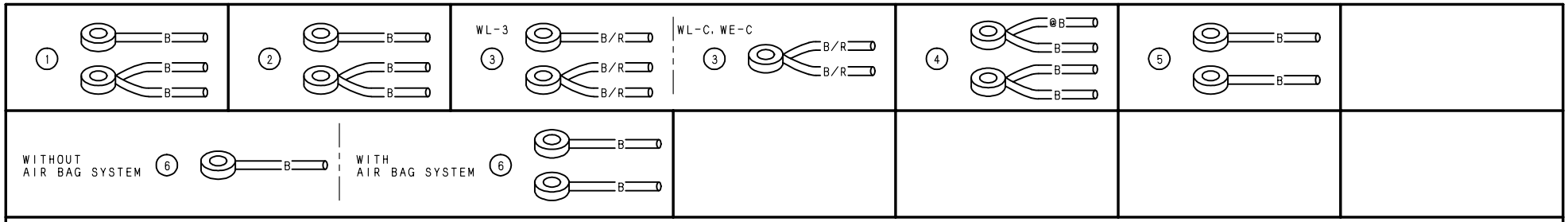
(F)

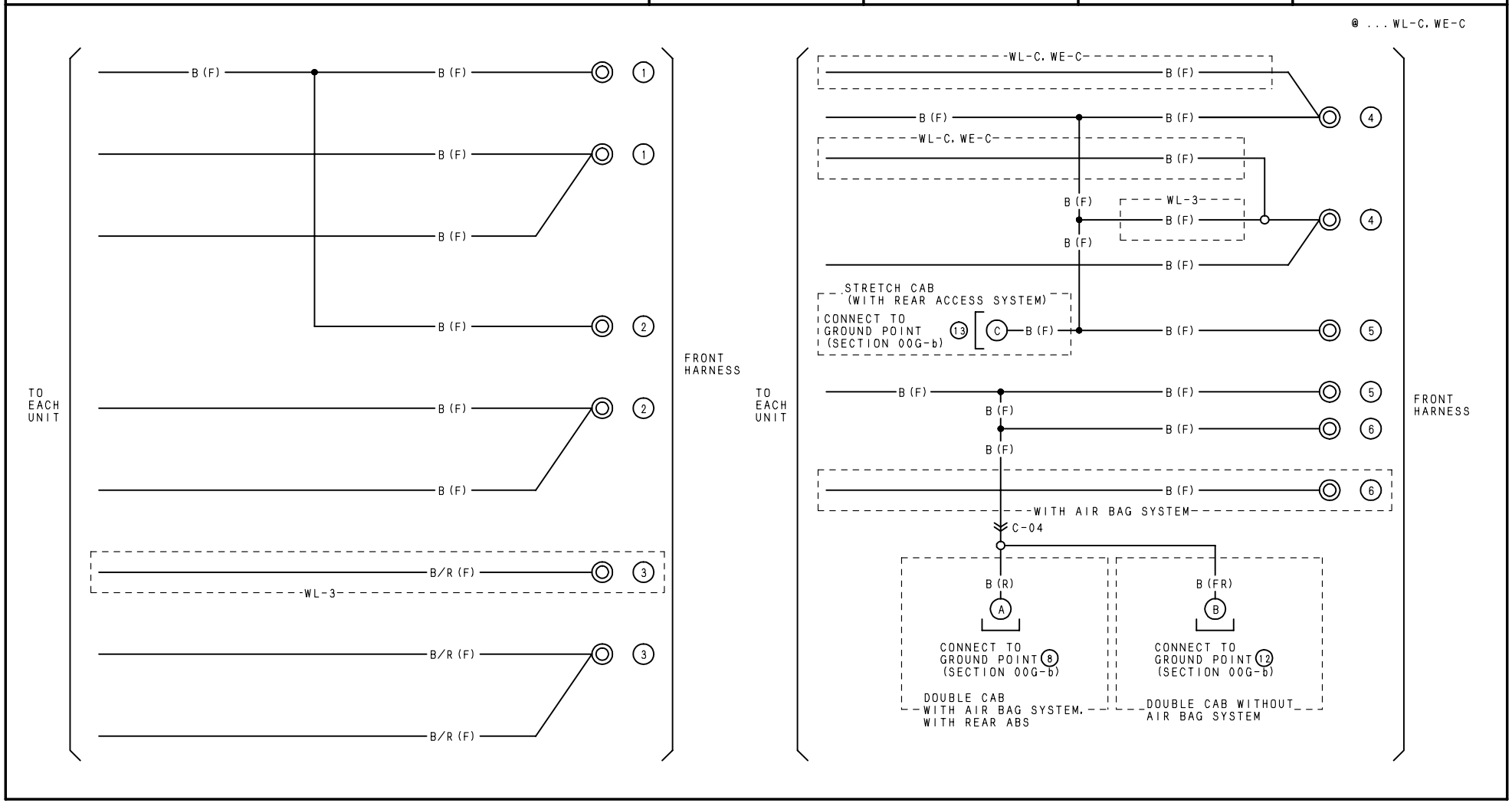


(SHORT CORD)



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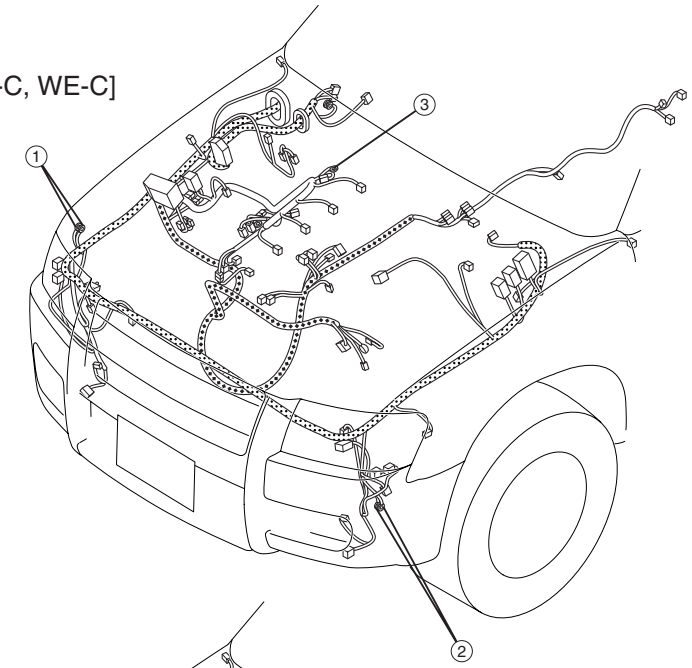




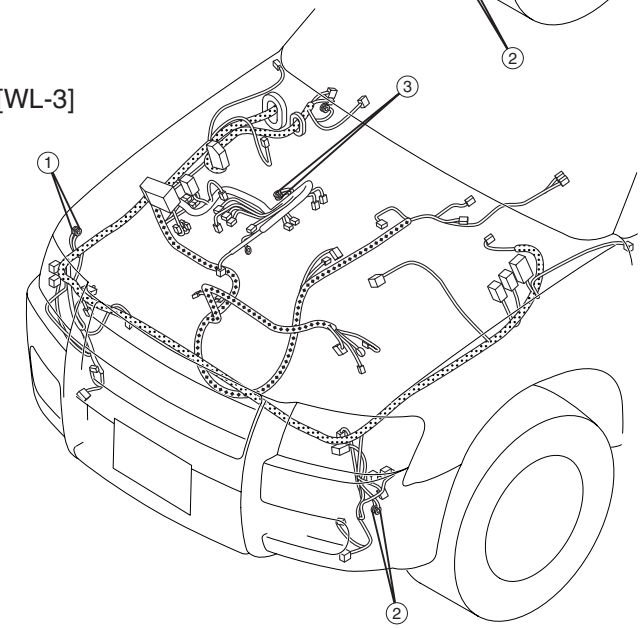
www.truck-freeworkshop.com

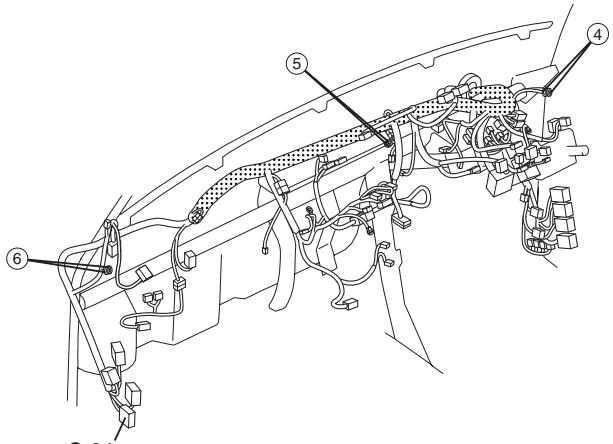
HARNESS SYMBOL: (F) (E) (R)

[WL-C, WE-C]

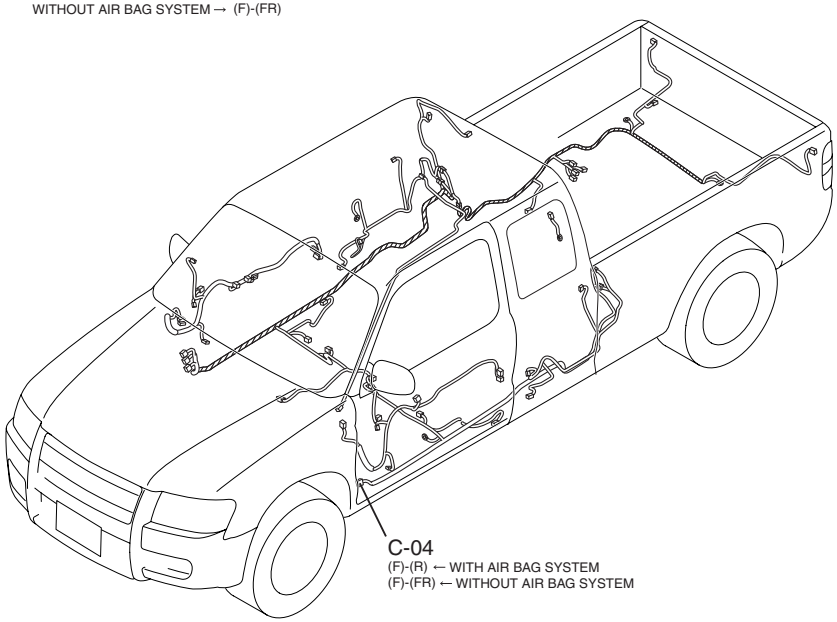


[WL-3]



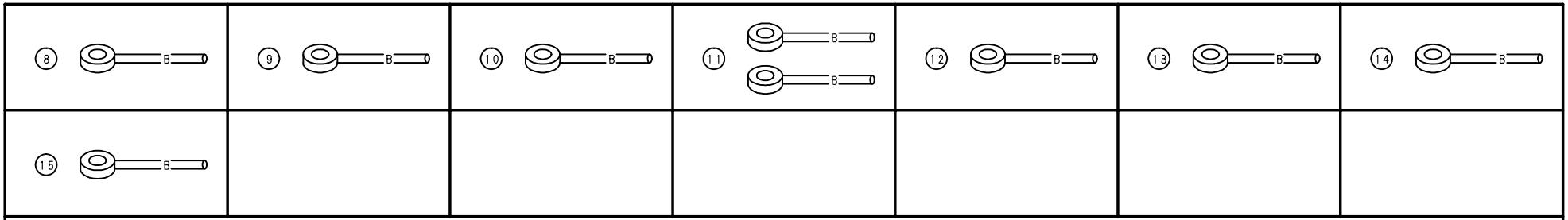


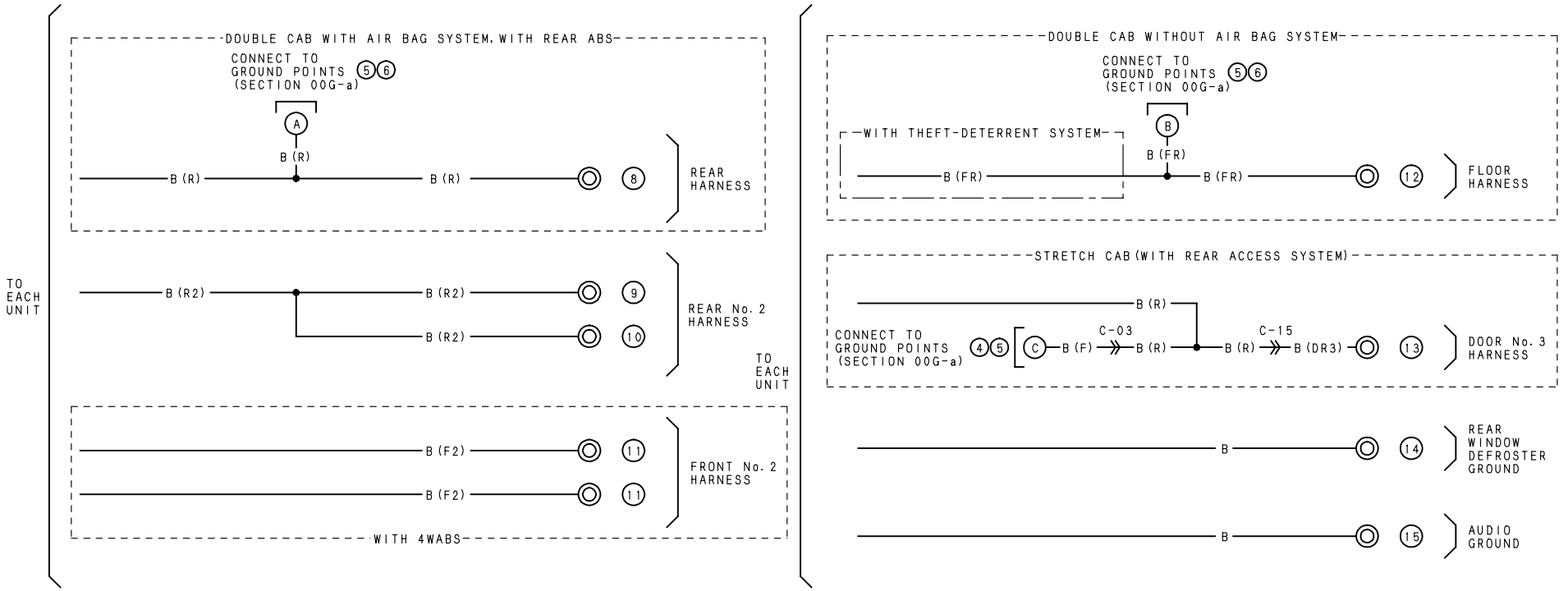
C-04
WITH AIR BAG SYSTEM → (F)-(R)
WITHOUT AIR BAG SYSTEM → (F)-(FR)



C-04
(F)-(R) ← WITH AIR BAG SYSTEM
(F)-(FR) ← WITHOUT AIR BAG SYSTEM

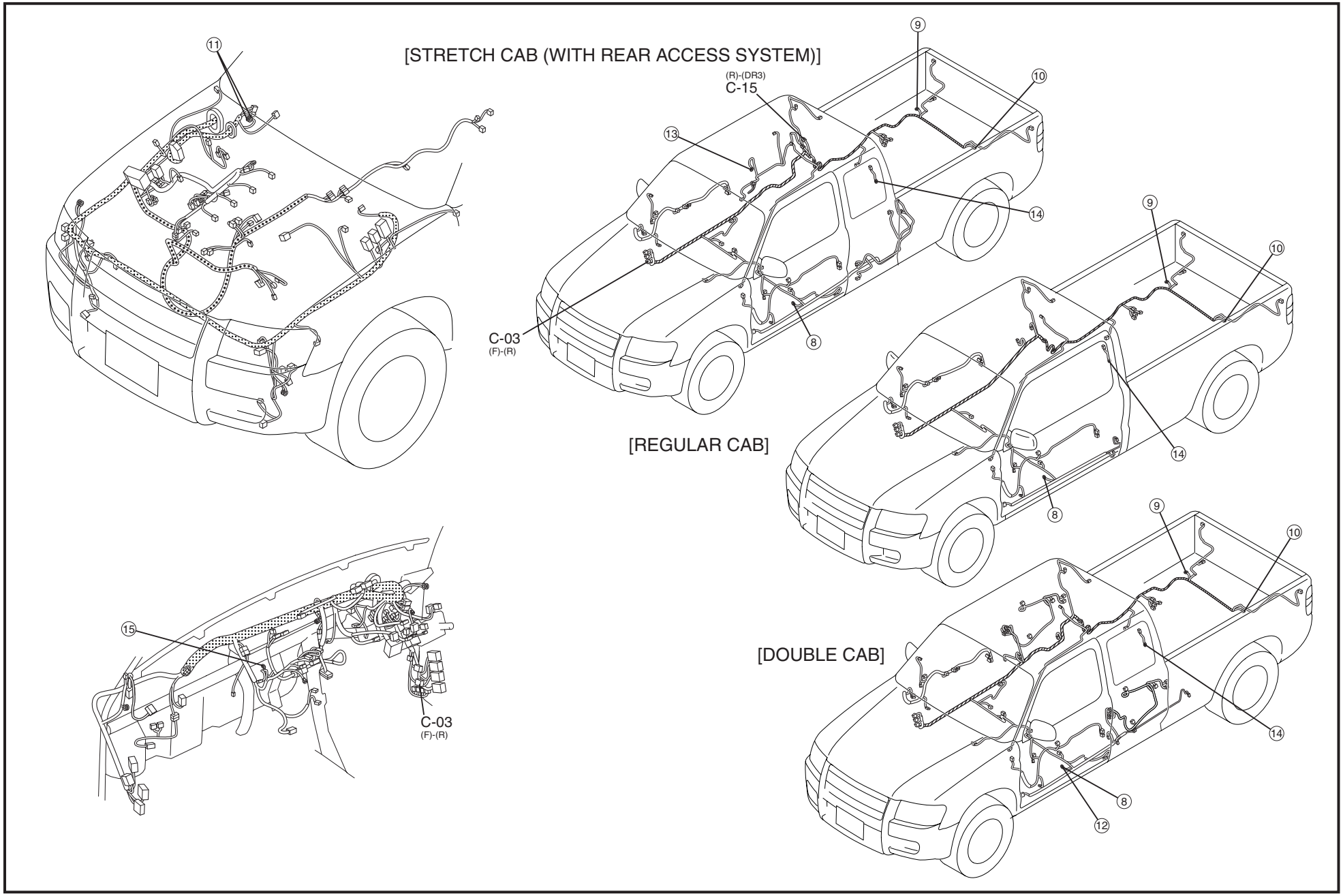
www.truck-freeworkshop.com

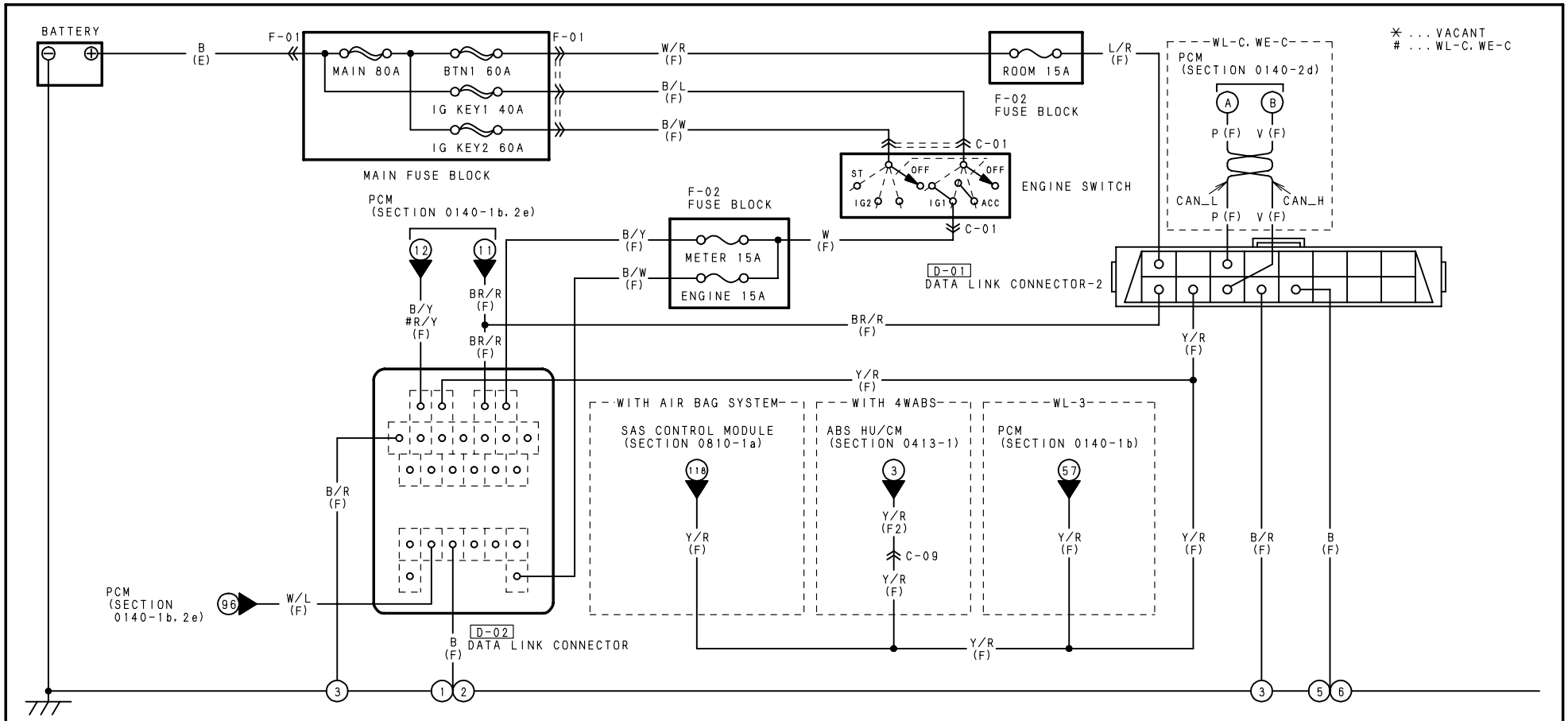




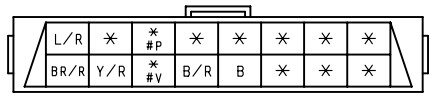
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



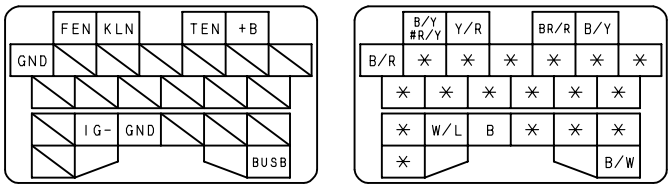


D-01 DATA LINK CONNECTOR-2 (F)



NOTE: SEEN FROM TERMINAL SIDE

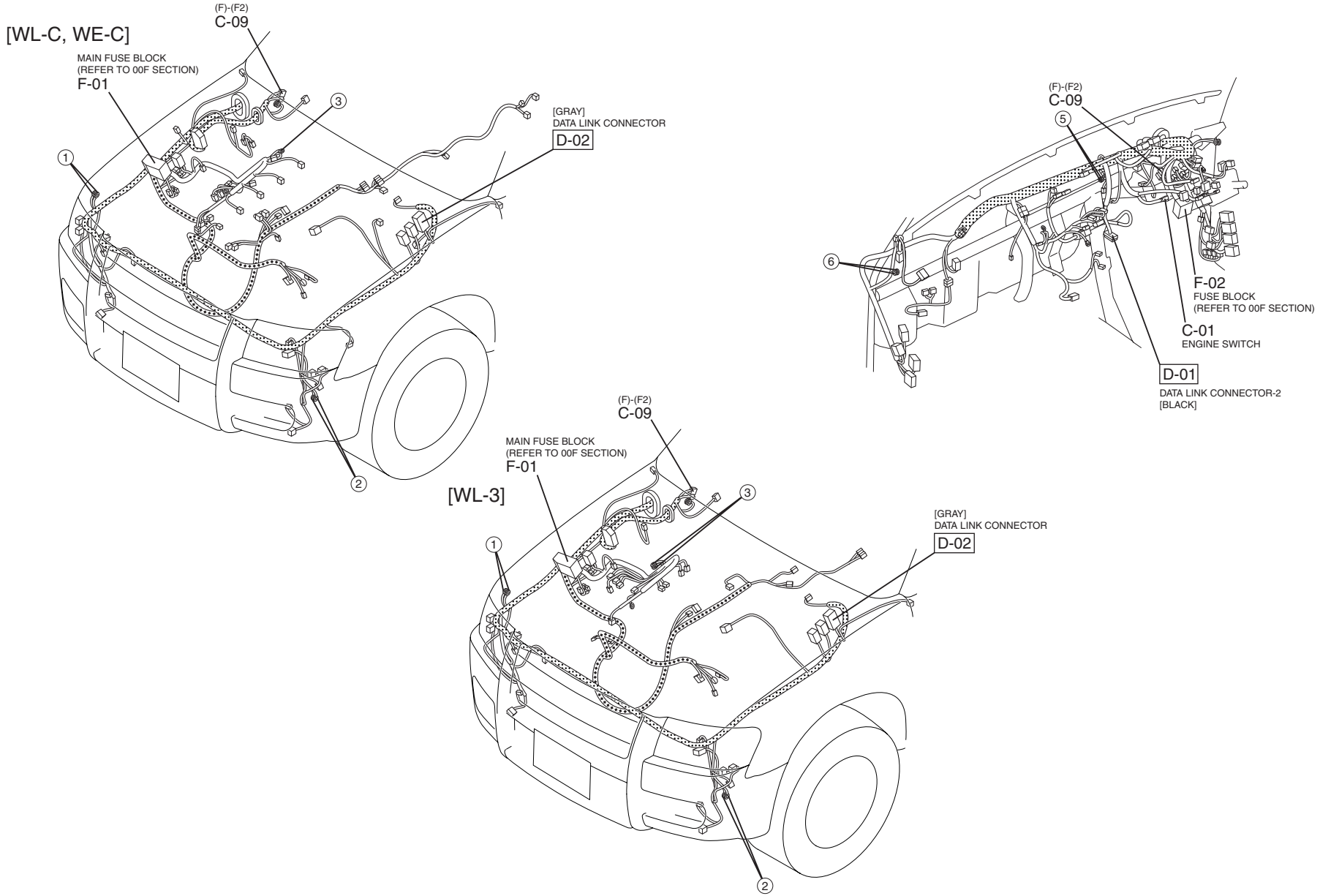
D-02 DATA LINK CONNECTOR (F)



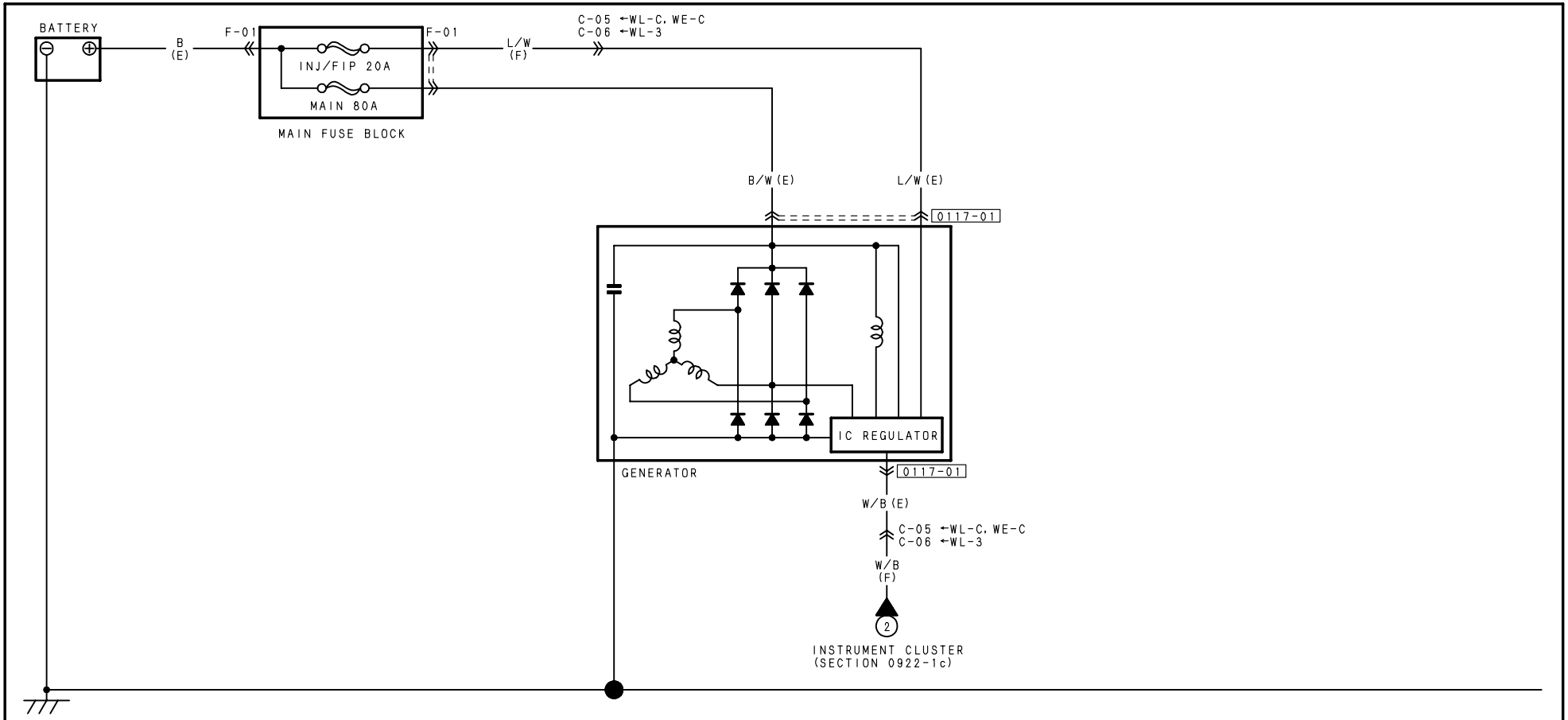
NOTE: SEEN FROM TERMINAL SIDE

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HARNESS SYMBOL: (F) (E) (R)



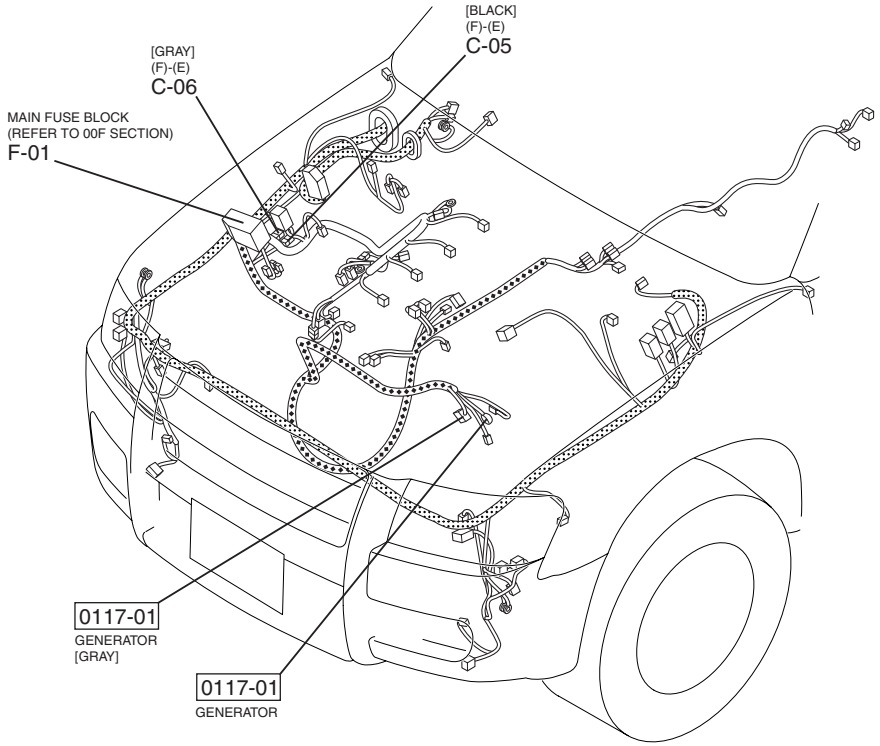
www.truck-freeworkshop.com



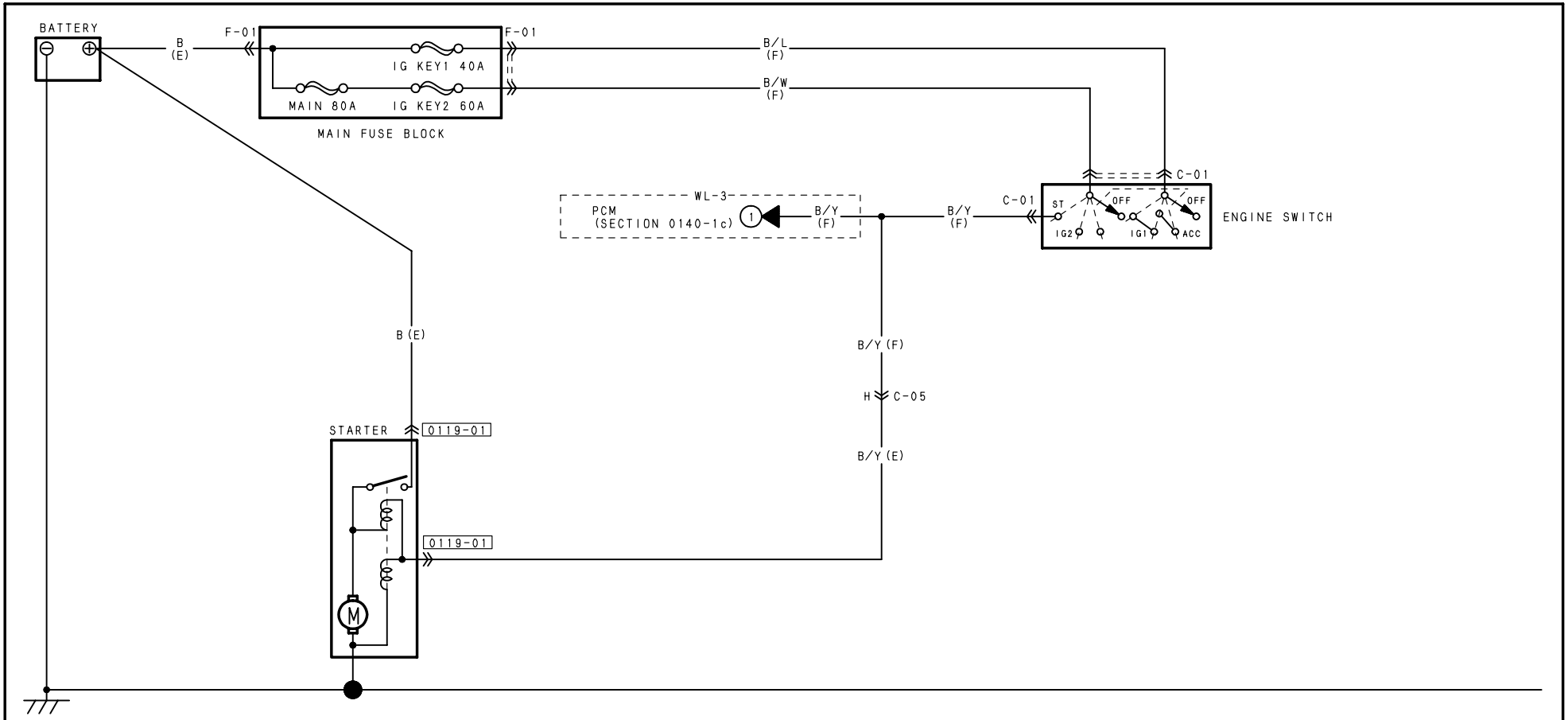
0117-01 GENERATOR (E) B/W L/W W/B						

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HARNESS SYMBOL: (F) (E) (R)



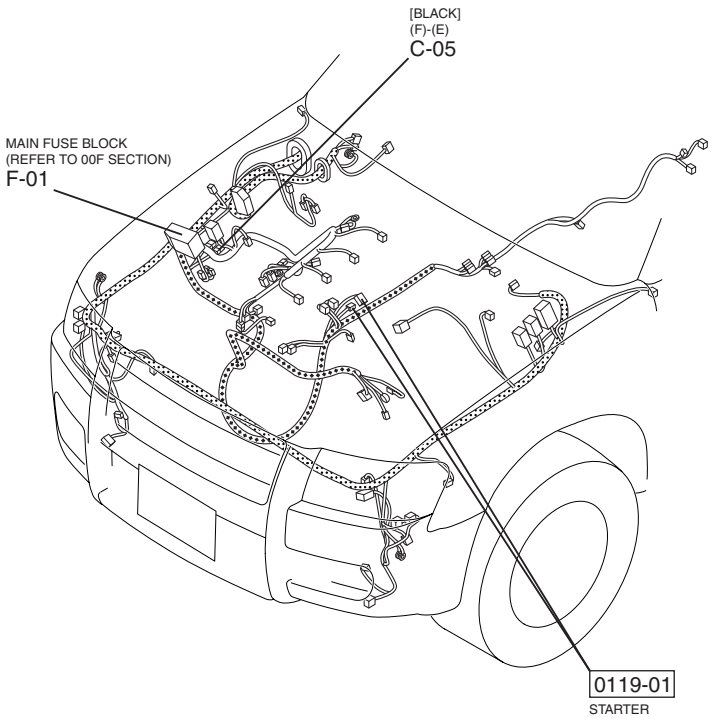
www.truck-freeworkshop.com

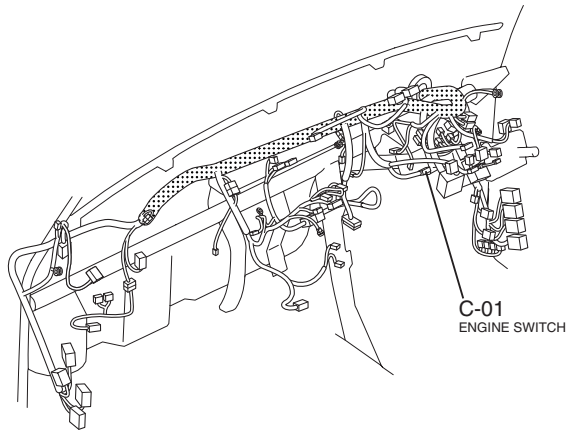


0119-01 STARTER (E)						
B	B/Y					

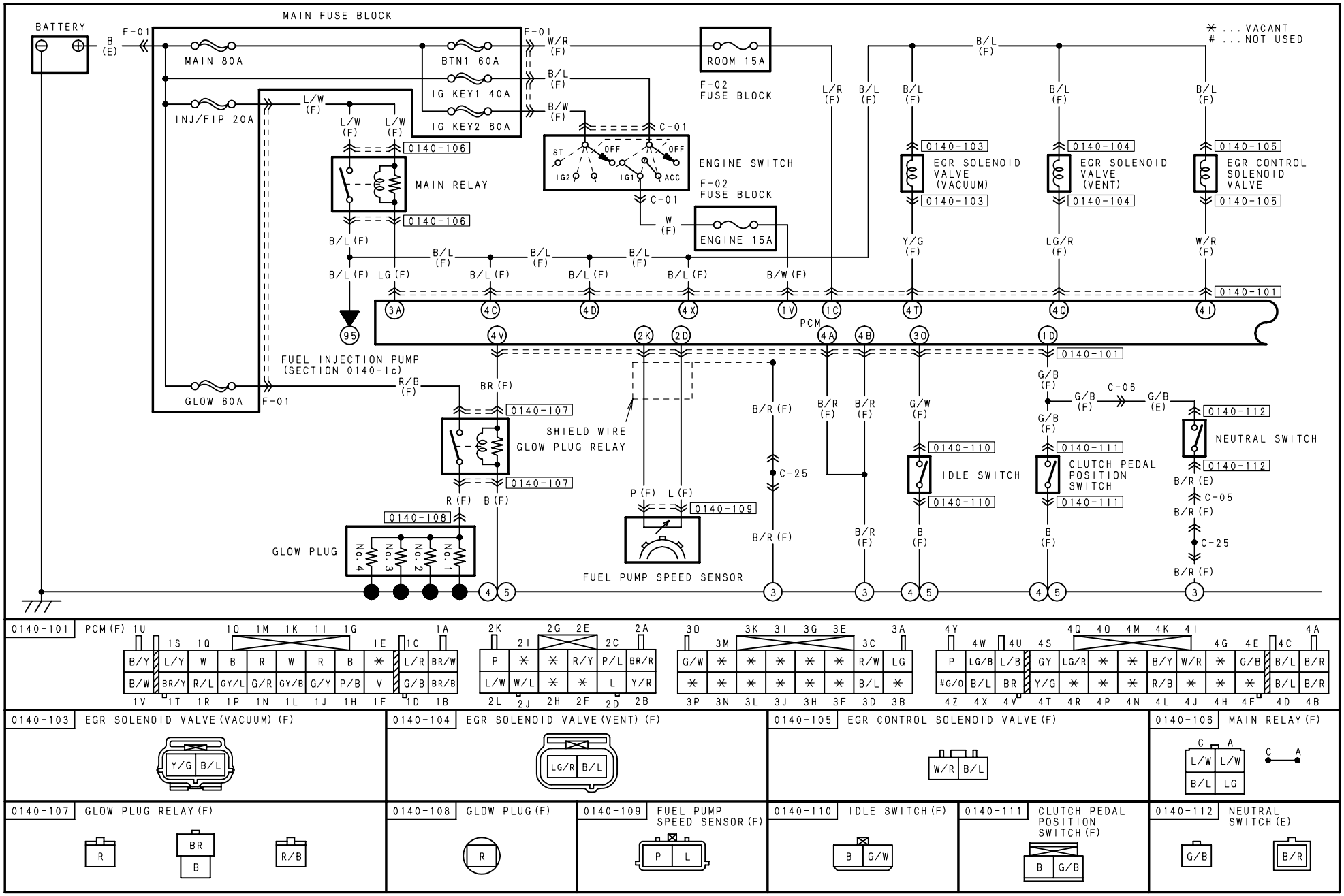
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HARNESS SYMBOL: (F) (E) (R)



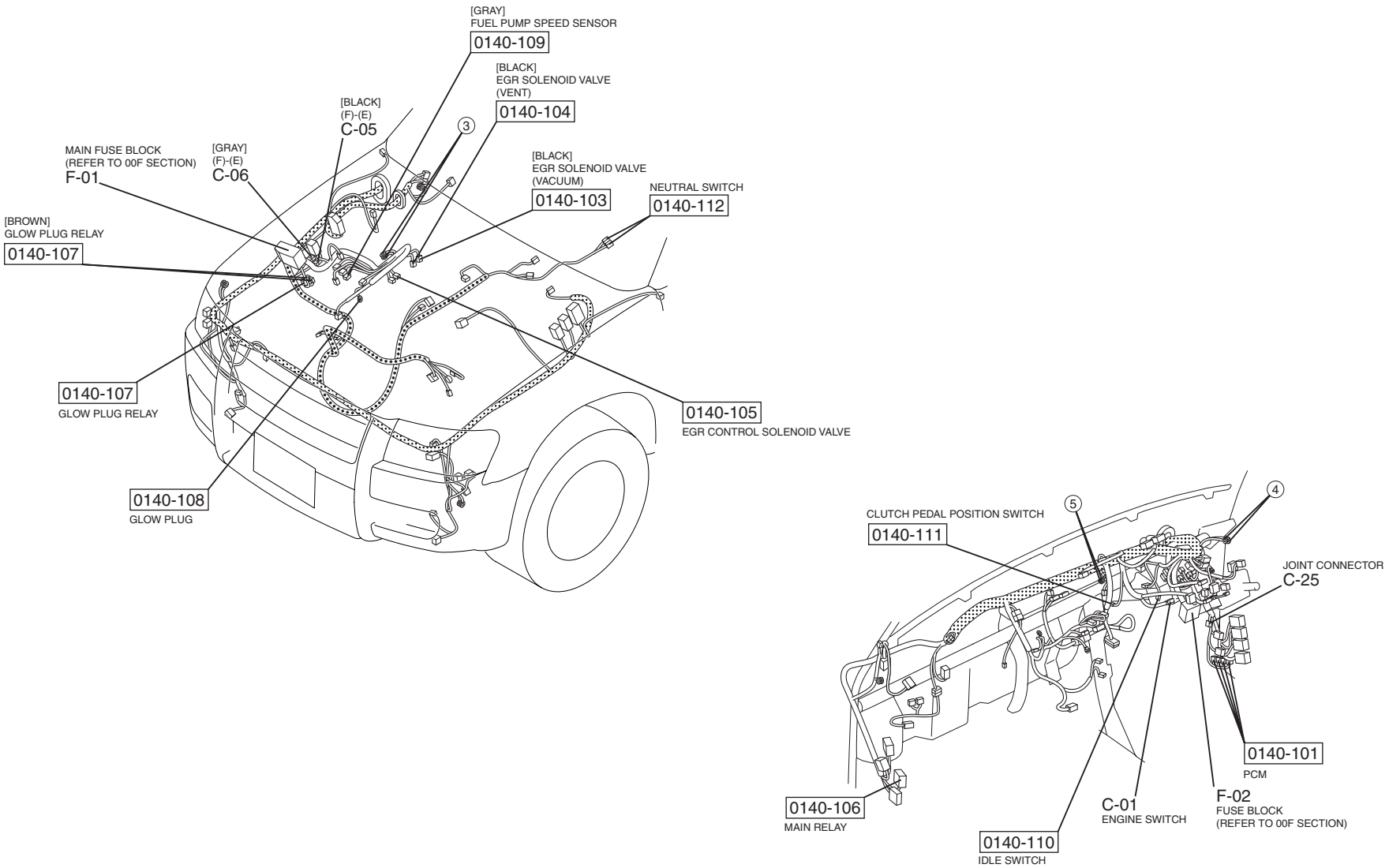


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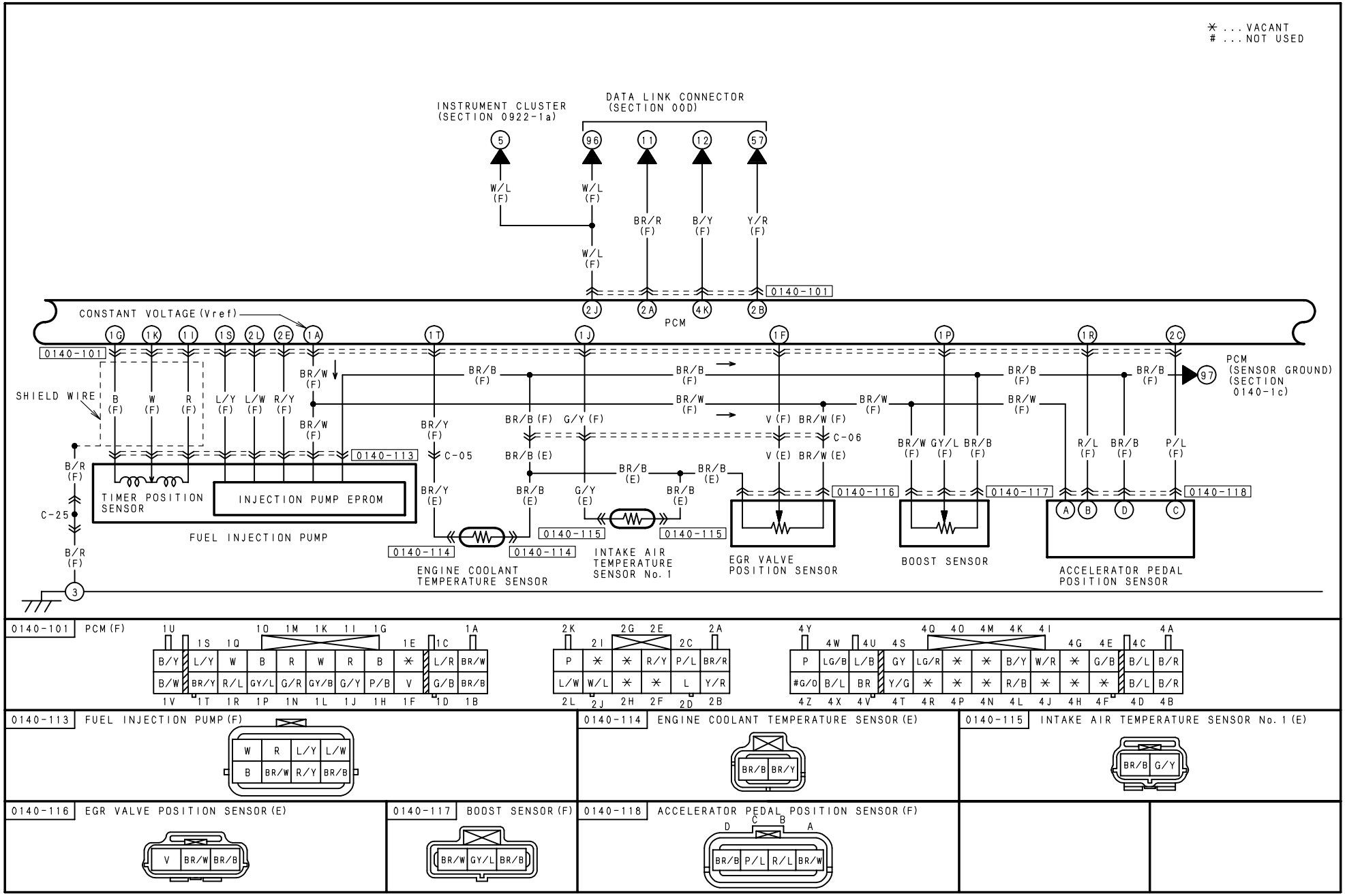


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HARNESS SYMBOL: (F) (E) (R)

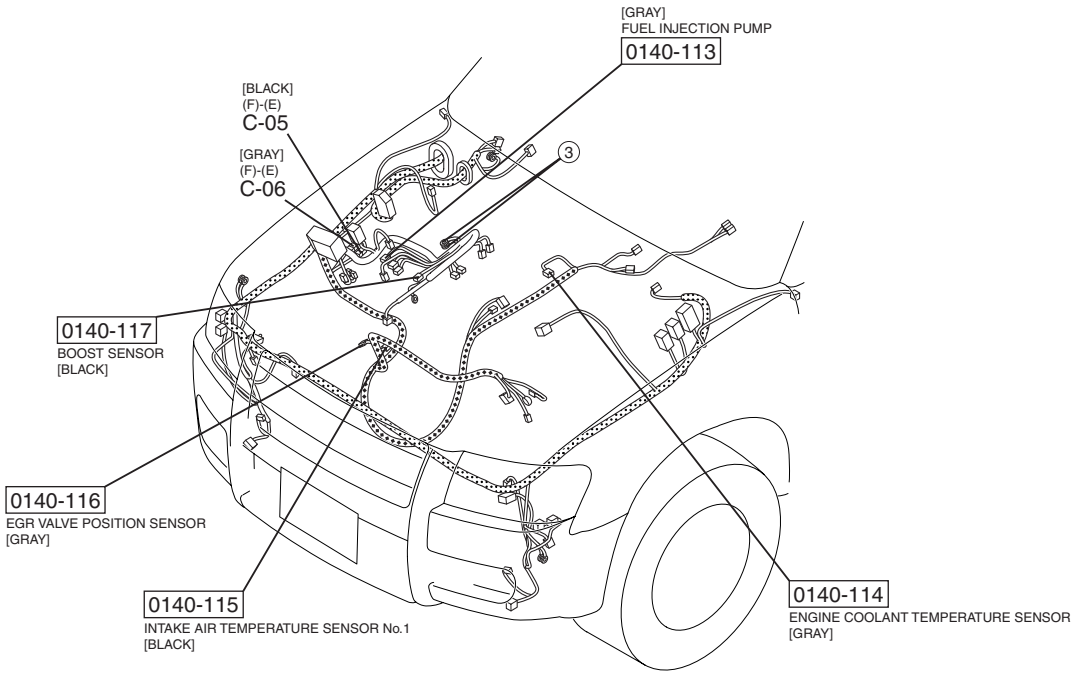


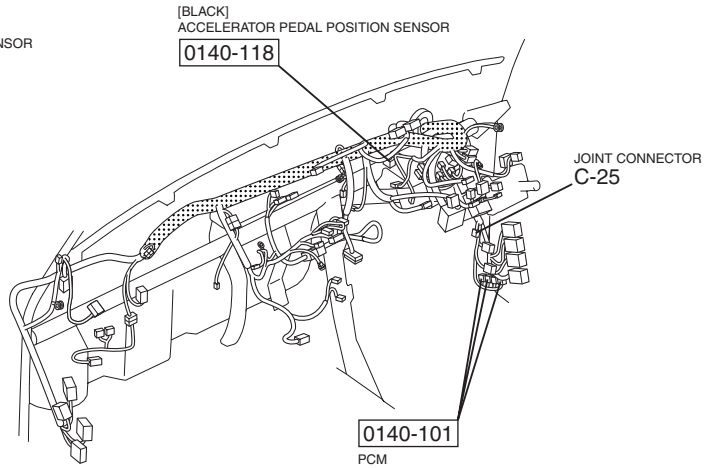
www.truck-freeworkshop.com



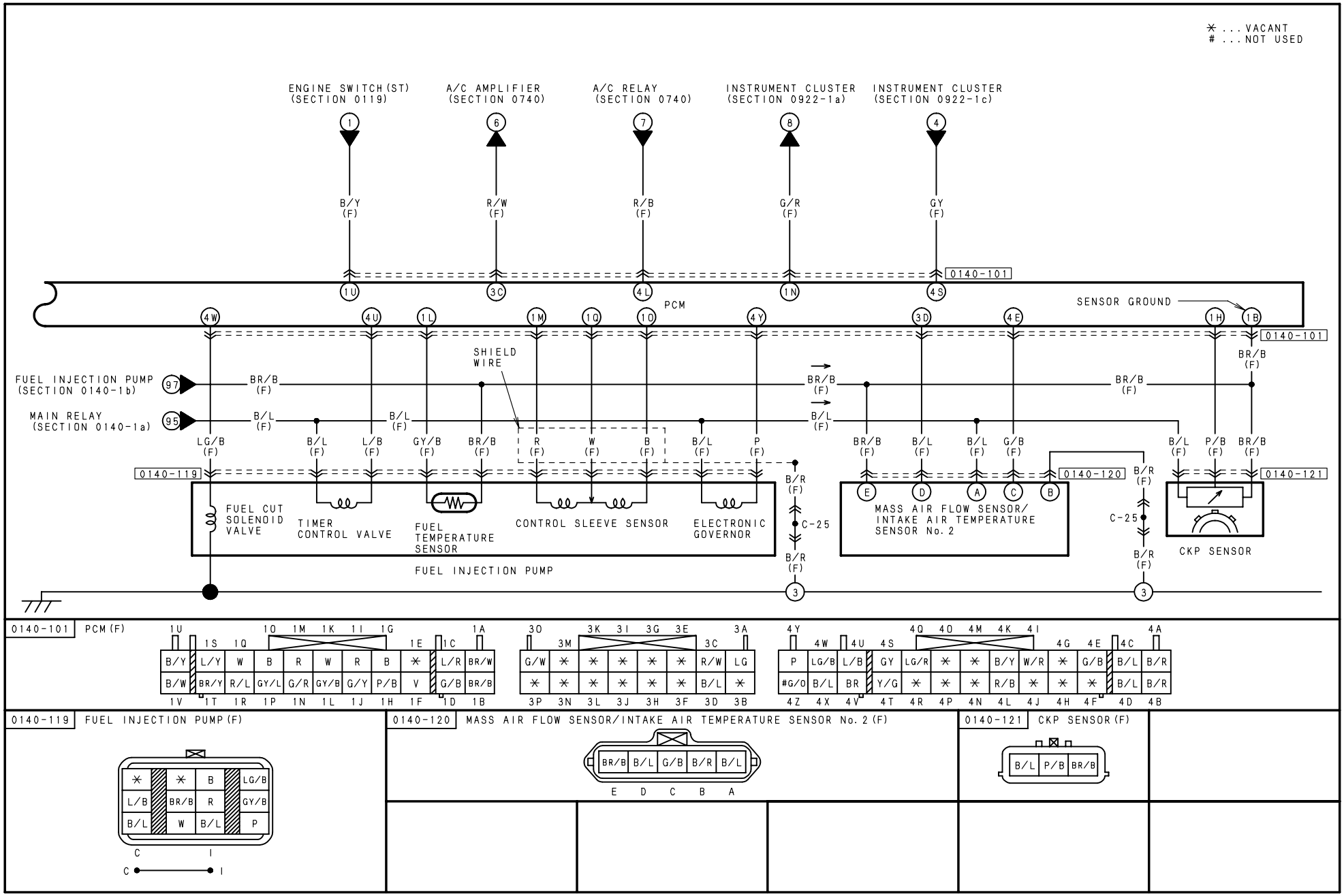
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



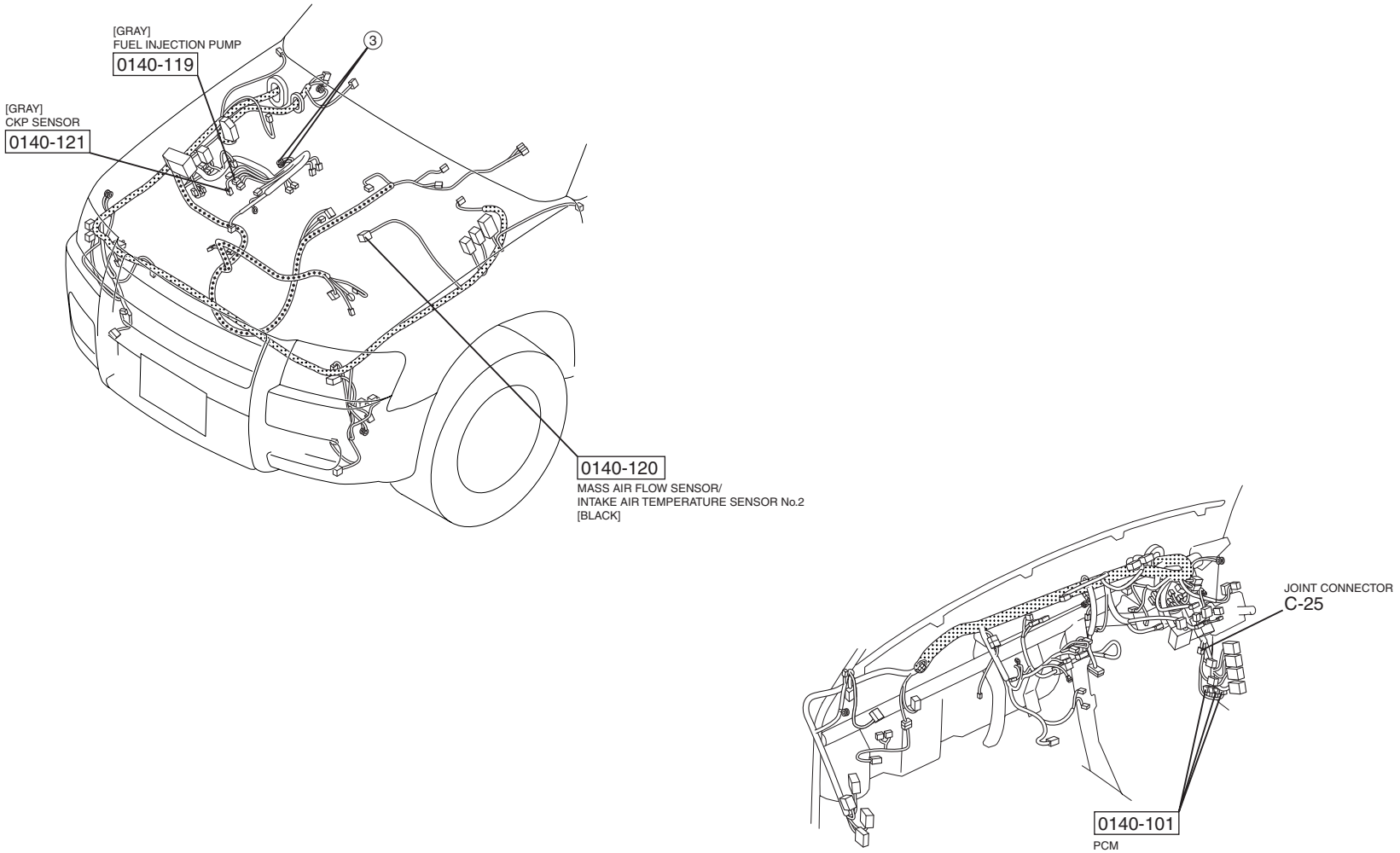


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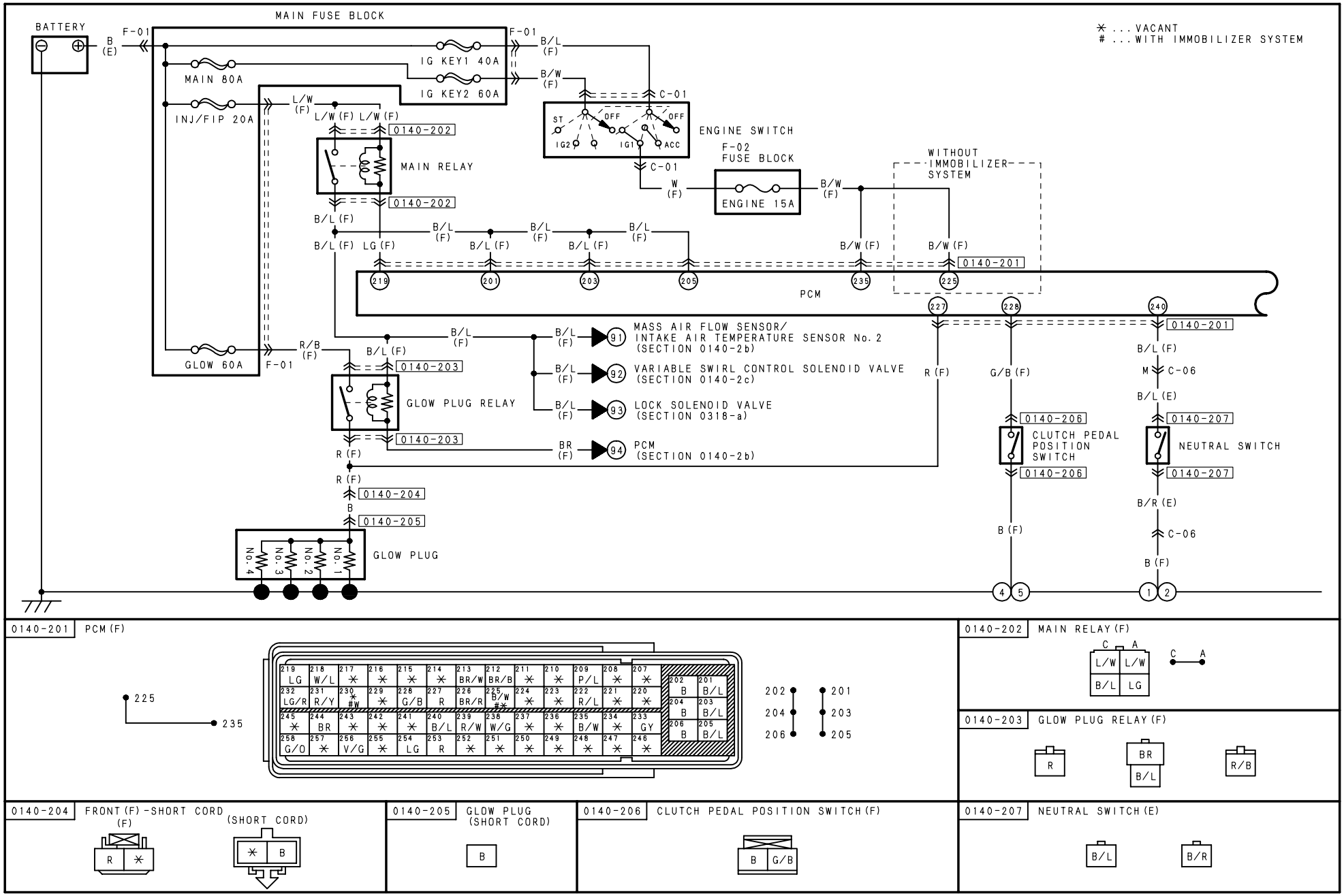


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HARNESS SYMBOL: (F) (E) (R)

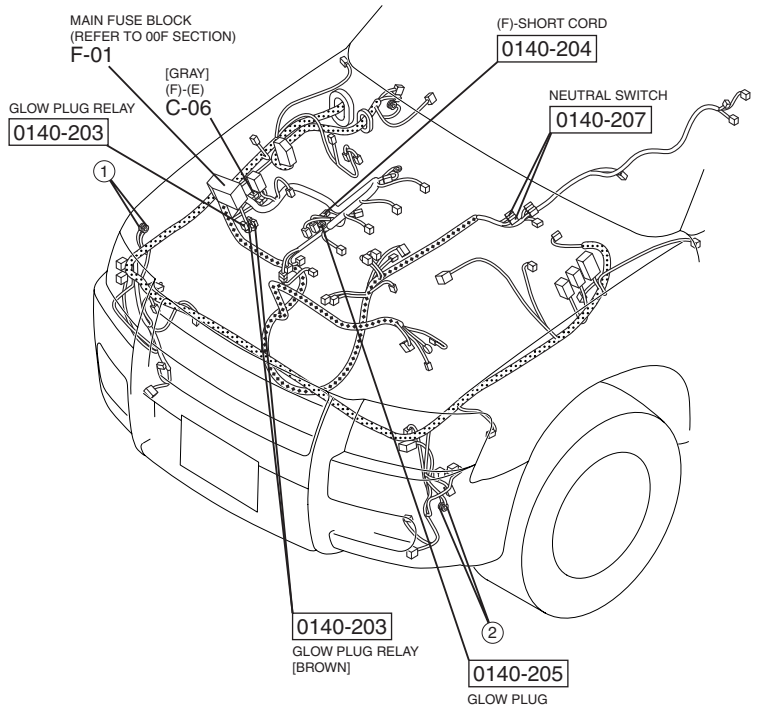


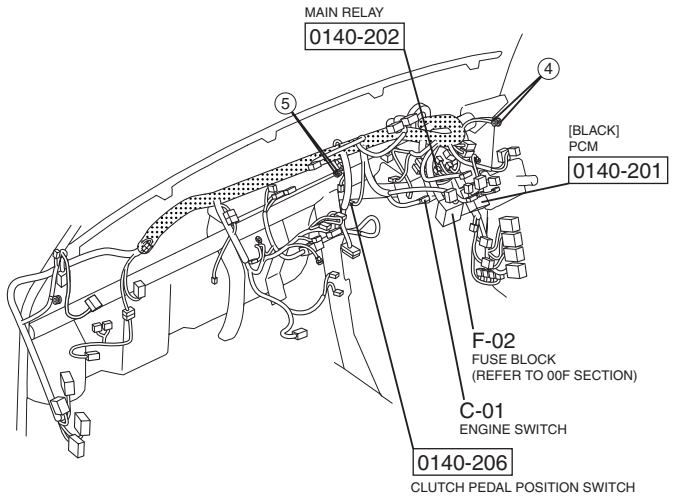
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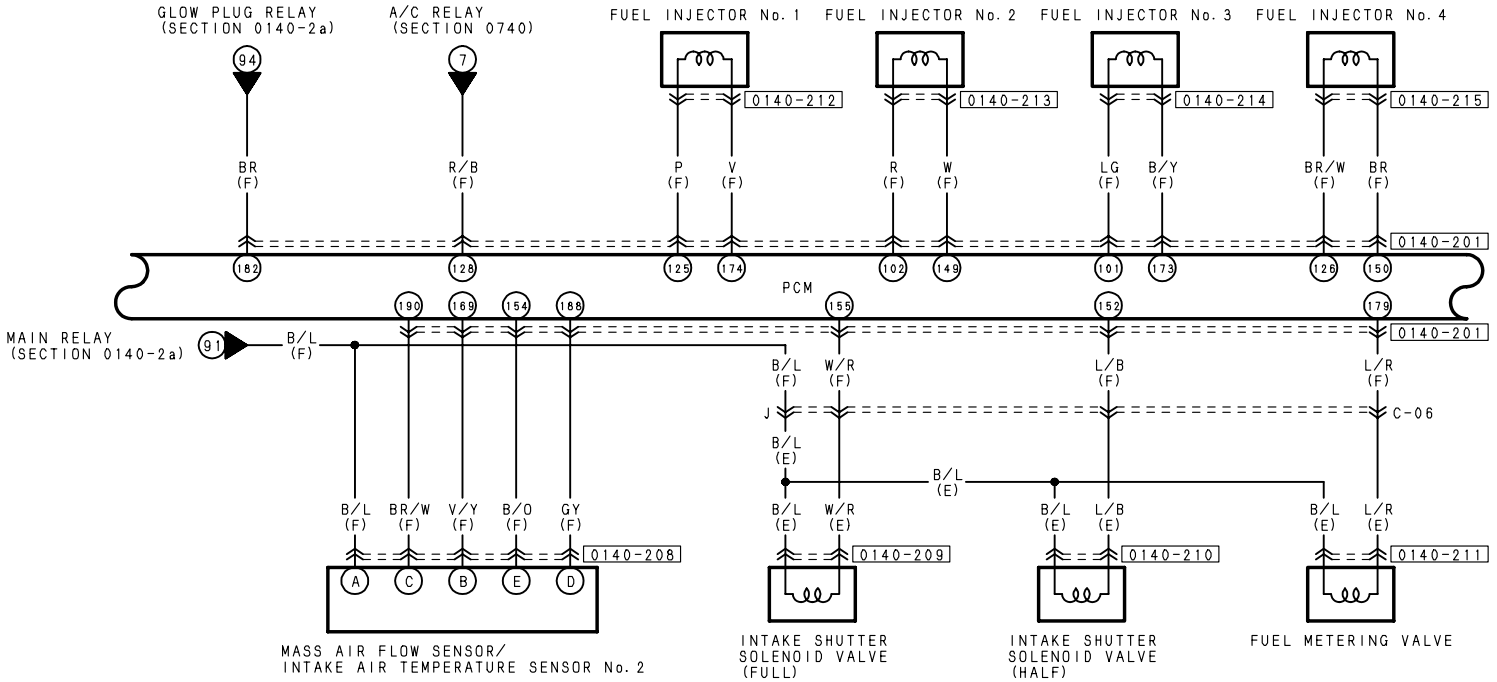
HARNESS SYMBOL: (F) (E) (R)





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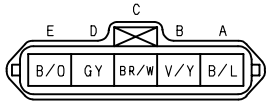
✳ . . . VACANT



0140-201 PCM (F)

124 ✳	123 ✳	122 ✳	121 ✳	120 ✳	119 ✳	118 ✳	117 ✳	116 B/L	115 L/Y	114 Y	113 ✳	112 ✳	111 B/Y	110 R/G	109 LG/R	108 ✳	107 ✳	106 L/W	105 ✳	104 ✳	103 ✳	102 R	101 LG
148 ✳	147 ✳	146 ✳	145 ✳	144 ✳	143 ✳	142 ✳	141 GY/L	140 W/L	139 ✳	138 ✳	137 GY/R	136 ✳	135 LG/B	134 ✳	133 V/R	132 ✳	131 ✳	130 ✳	129 B/W	128 R/B	127 ✳	126 BR/W	125 P
172 ✳	171 P	170 W	169 V/Y	168 ✳	167 L/O	166 ✳	165 ✳	164 ✳	163 ✳	162 ✳	161 G/W	160 G/Y	159 ✳	158 ✳	157 ✳	156 BR/Y	155 W/R	154 B/O	153 ✳	152 L/B	151 ✳	150 BR	149 W
196 ✳	195 V	194 BR	193 L	192 G	191 O	190 BR/W	189 R/Y	188 GY	187 ✳	186 ✳	185 R/G	184 G/R	183 ✳	182 BR	181 W/G	180 ✳	179 L/R	178 Y/B	177 R/W	176 LG/B	175 ✳	174 V	173 B/Y

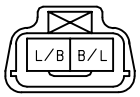
0140-208 MASS AIR FLOW SENSOR/INTAKE AIR TEMPERATURE SENSOR No. 2 (F)



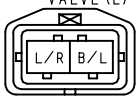
0140-209 INTAKE SHUTTER SOLENOID VALVE (FULL) (E)



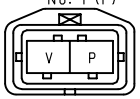
0140-210 INTAKE SHUTTER SOLENOID VALVE (HALF) (E)



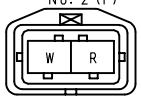
0140-211 FUEL METERING VALVE (E)



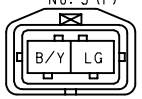
0140-212 FUEL INJECTOR No. 1 (F)



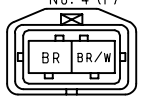
0140-213 FUEL INJECTOR No. 2 (F)



0140-214 FUEL INJECTOR No. 3 (F)

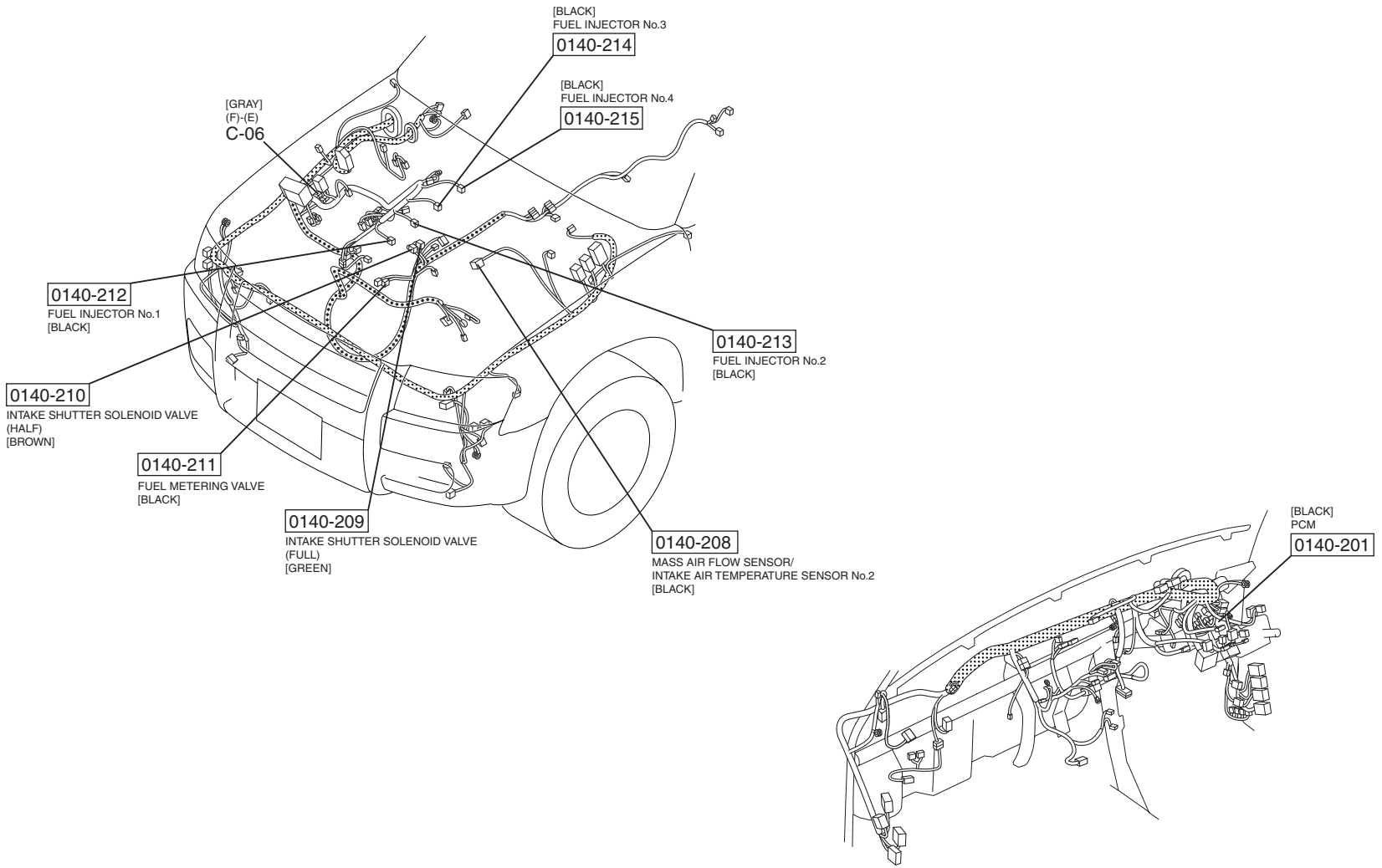


0140-215 FUEL INJECTOR No. 4 (F)

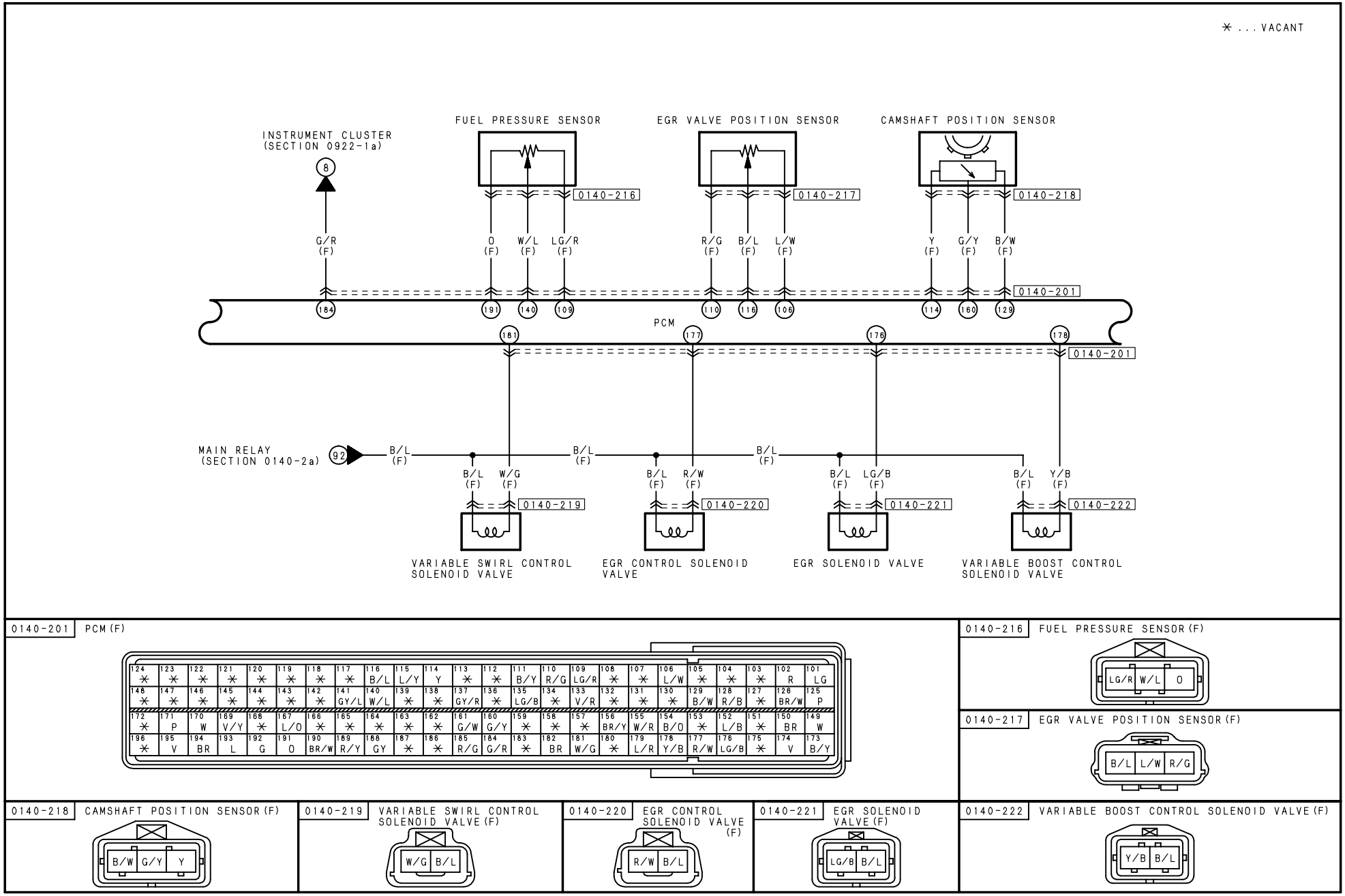


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HARNESS SYMBOL: (F) (E) (R)

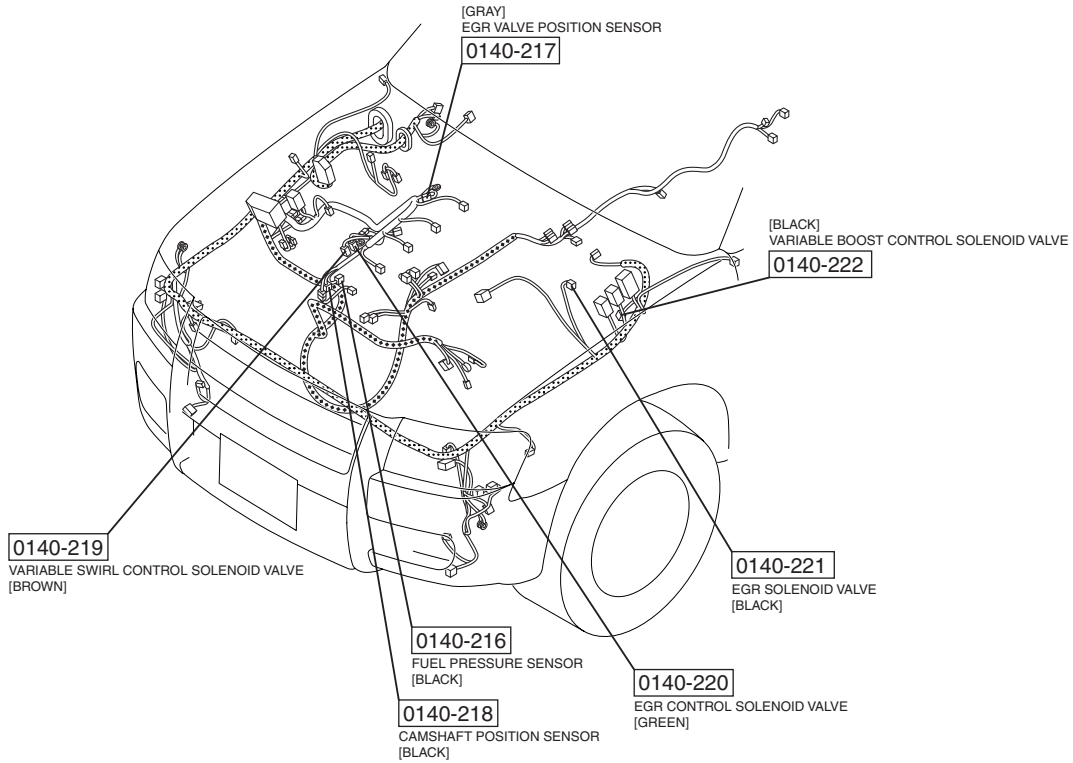


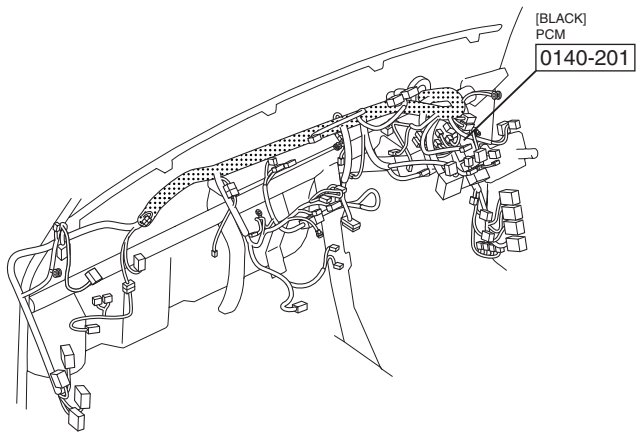
www.truck-freeworkshop.com



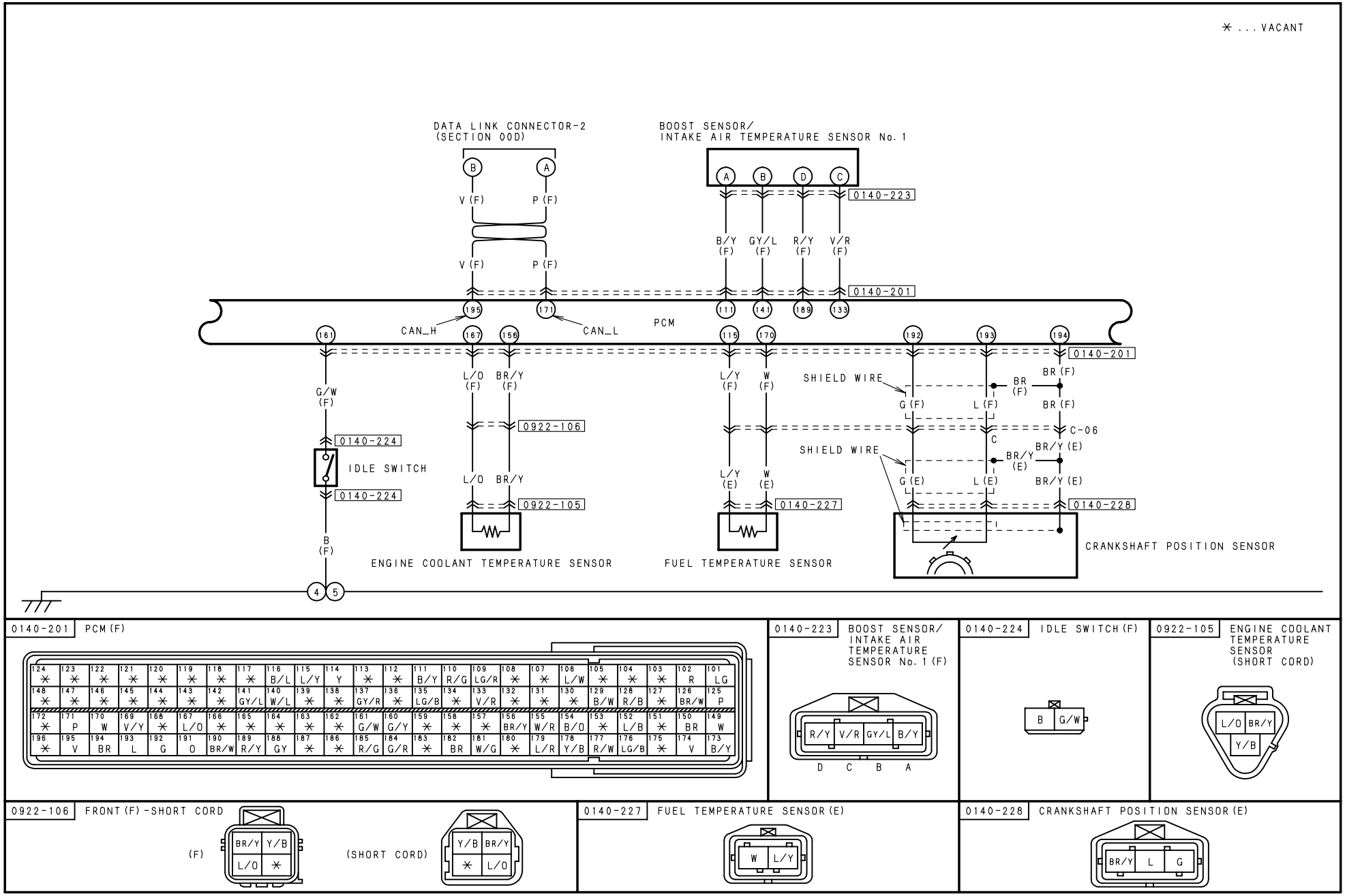
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HARNESS SYMBOL: (F) (E) (R)



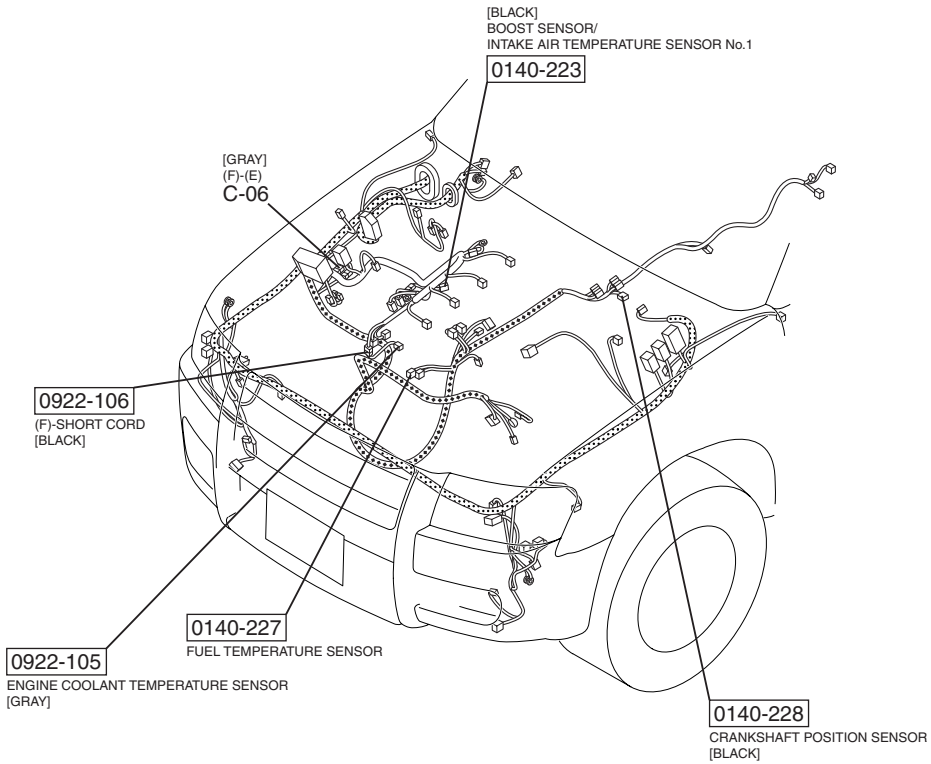


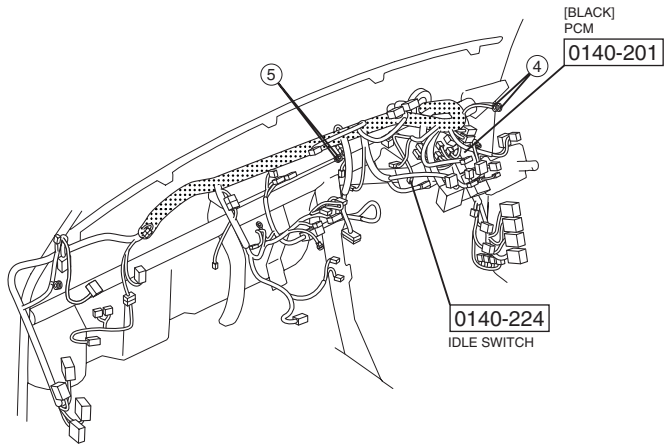
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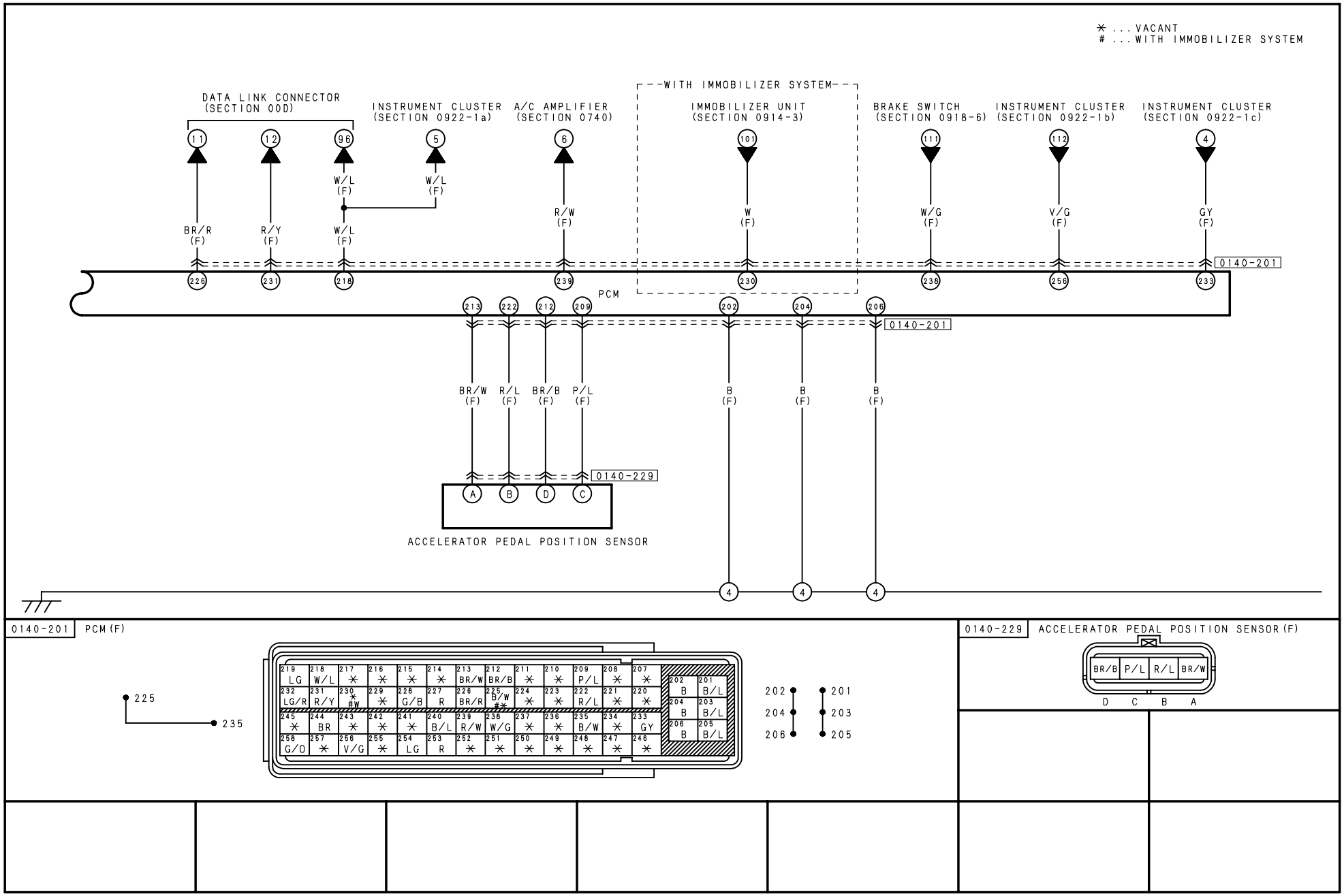
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HARNESS SYMBOL: (F) (E) (R)



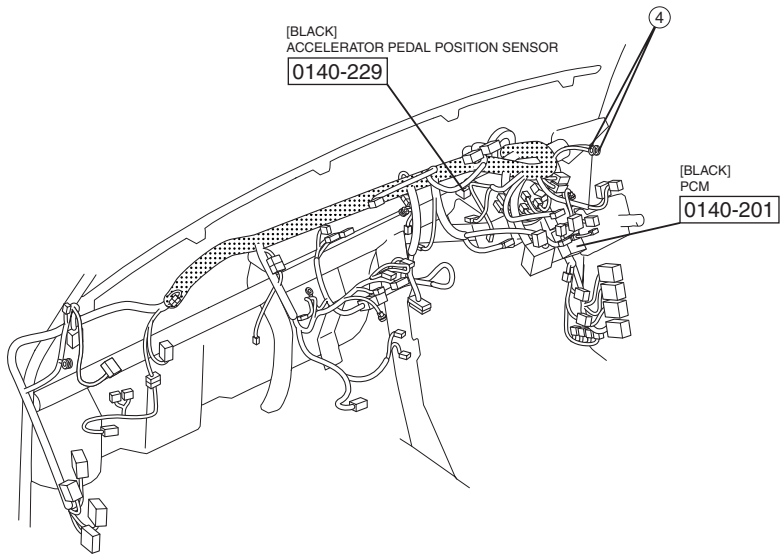


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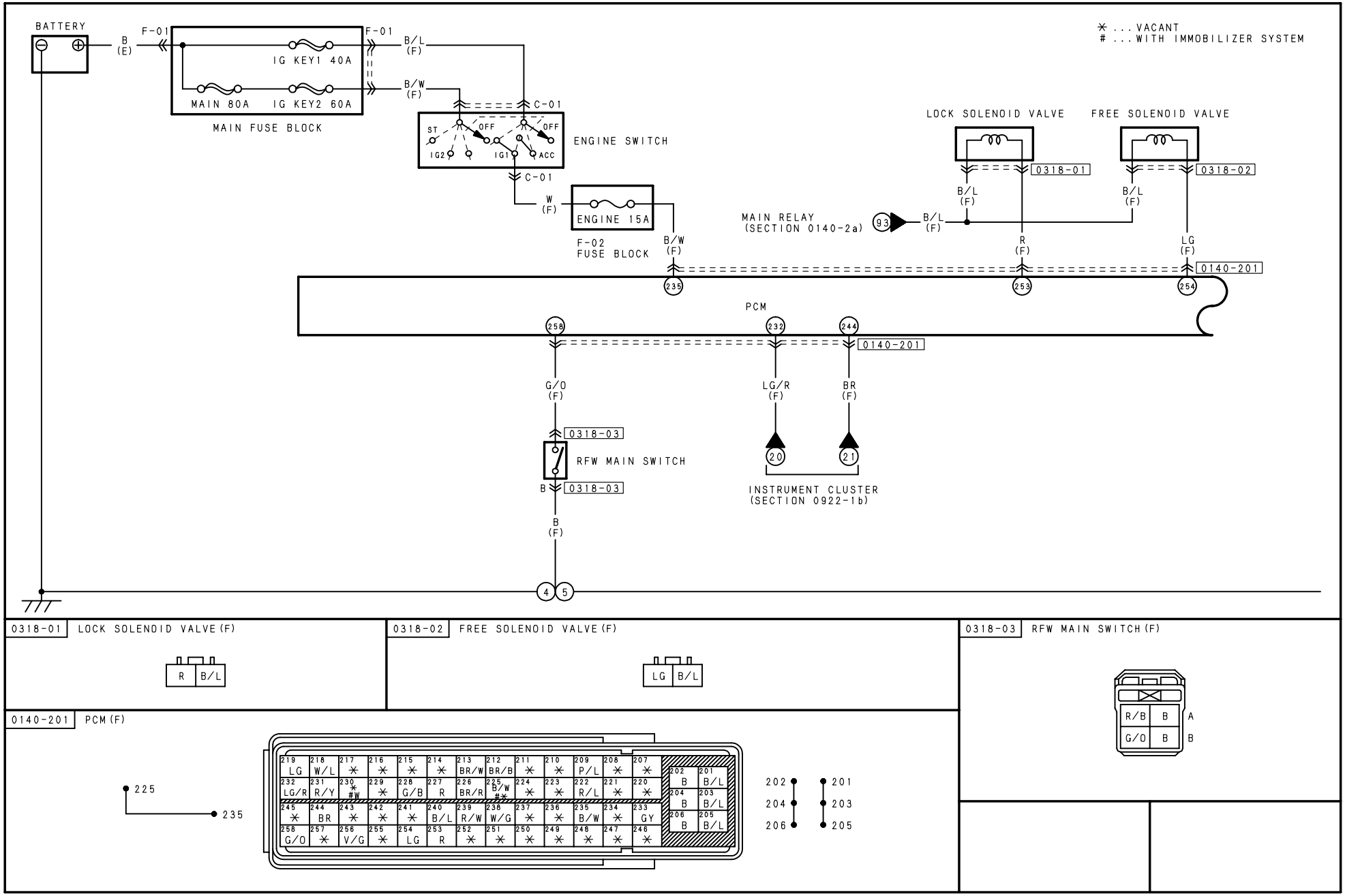


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HARNESS SYMBOL: (F) (E) (R)

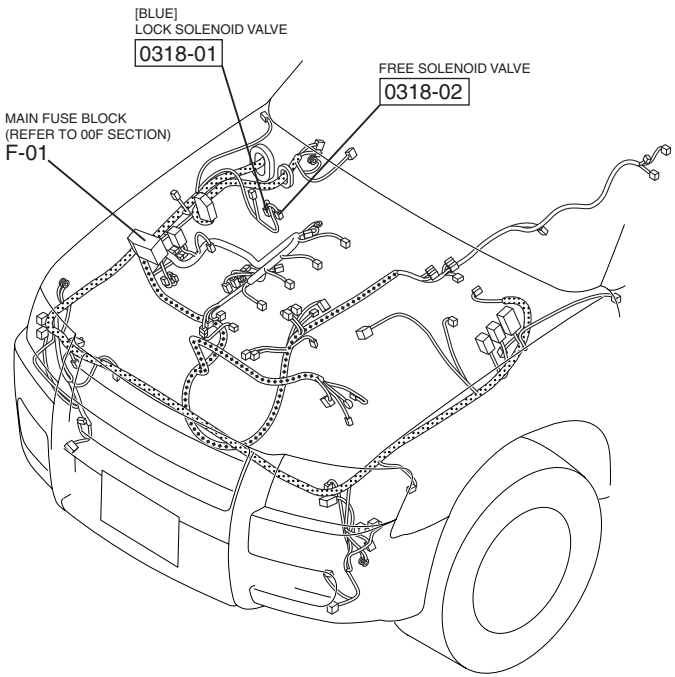


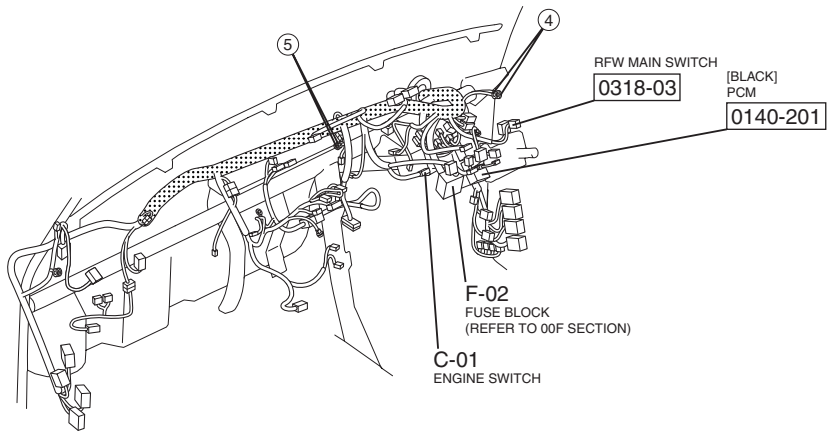
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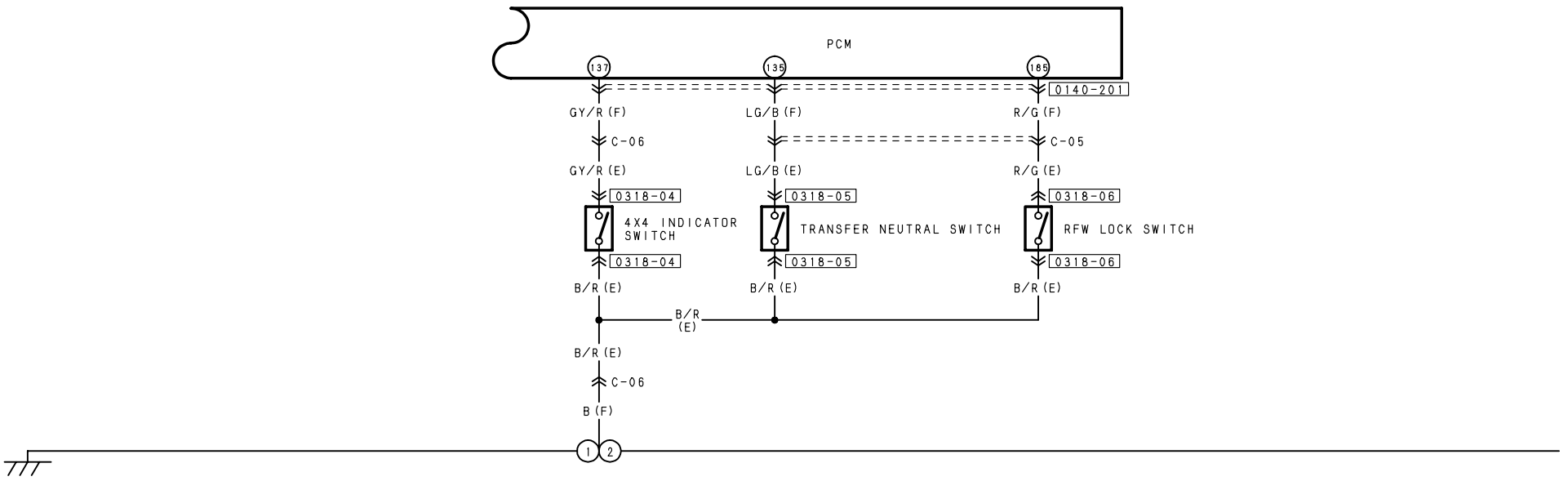
HARNESS SYMBOL: (F) (E) (R)



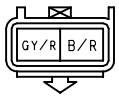


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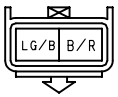
✳ . . . VACANT



0318-04 4X4 INDICATOR SWITCH (E)



0318-05 TRANSFER NEUTRAL SWITCH (E)



0318-06 RFW LOCK SWITCH (E)

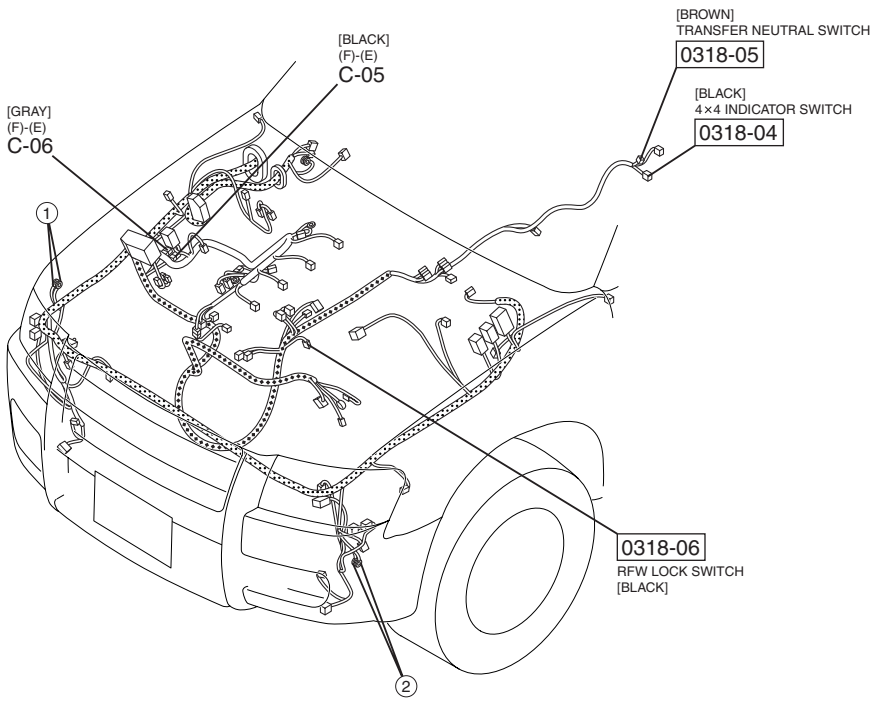


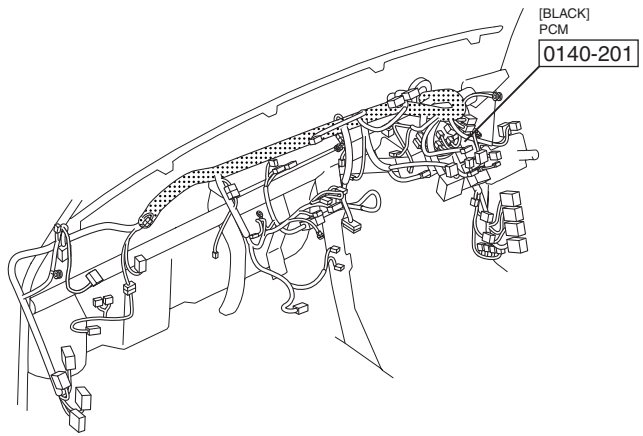
0140-201 PCM (F)

124 ✳	123 ✳	122 ✳	121 ✳	120 ✳	119 ✳	118 ✳	117 ✳	116 B/L	115 L/Y	114 Y	113 ✳	112 ✳	111 B/Y	110 R/G	109 LG/R	108 ✳	107 ✳	106 L/W	105 ✳	104 ✳	103 ✳	102 R	101 LG
148 ✳	147 ✳	146 ✳	145 ✳	144 ✳	143 ✳	142 ✳	141 GY/L	140 W/L	139 ✳	138 ✳	137 GY/R	136 ✳	135 LG/B	134 ✳	133 V/R	132 ✳	131 ✳	130 ✳	129 B/W	128 R/B	127 ✳	126 BR/W	125 P
172 ✳	171 P	170 W	169 V/Y	168 ✳	167 L/O	166 ✳	165 ✳	164 ✳	163 ✳	162 ✳	161 G/W	160 G/Y	159 ✳	158 ✳	157 ✳	156 BR/Y	155 W/R	154 B/O	153 ✳	152 L/B	151 ✳	150 BR	149 W
196 ✳	195 V	194 BR	193 L	192 G	191 O	190 BR/W	189 R/Y	188 GY	187 ✳	186 ✳	185 R/G	184 G/R	183 ✳	182 BR	181 W/G	180 ✳	179 L/R	178 Y/B	177 R/W	176 LG/B	175 ✳	174 V	173 B/Y

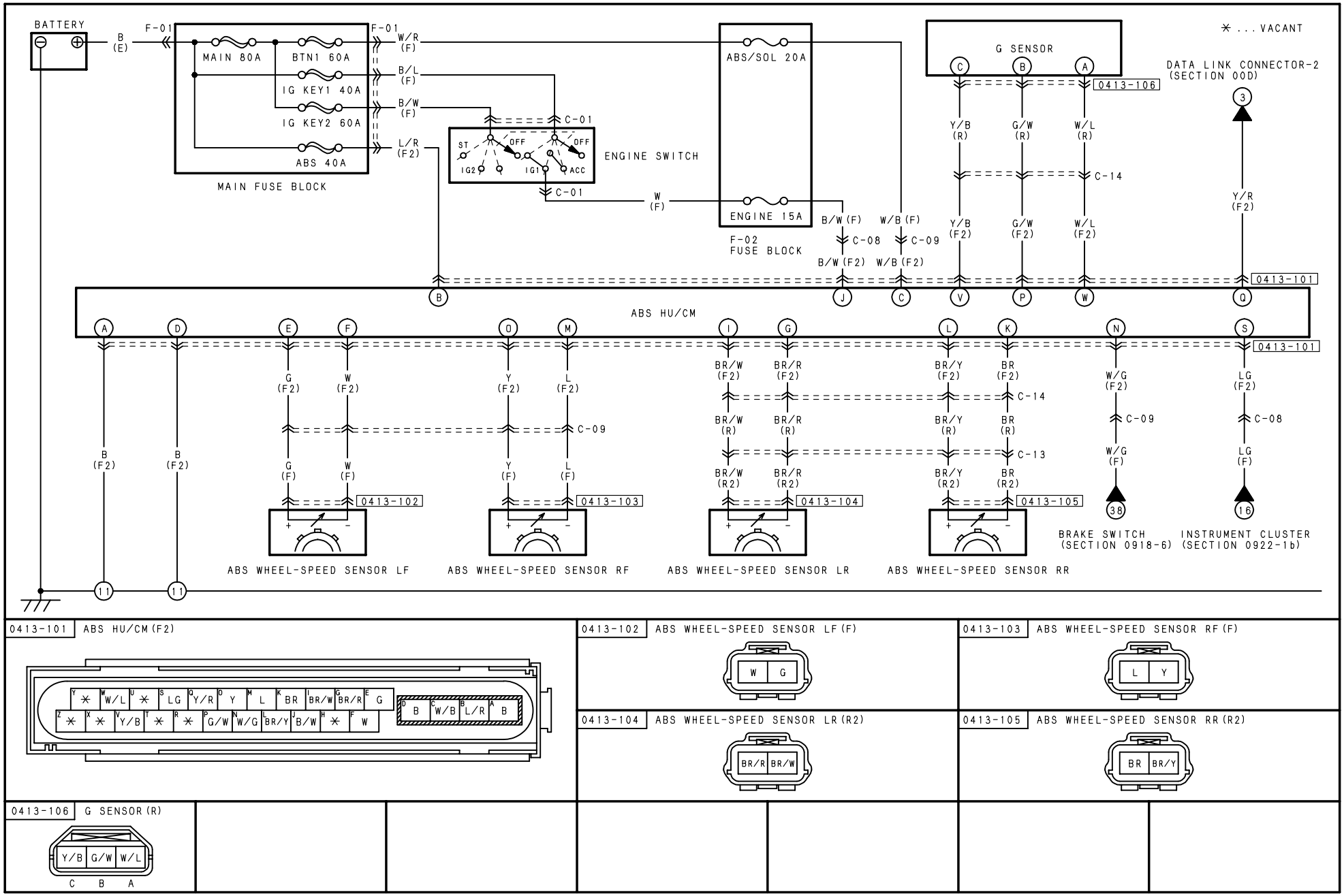
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HARNESS SYMBOL: (F) (E) (R)





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0413-101 ABS HU/CM (F2)

0413-102 ABS WHEEL-SPEED SENSOR LF (F)

0413-103 ABS WHEEL-SPEED SENSOR RF (F)

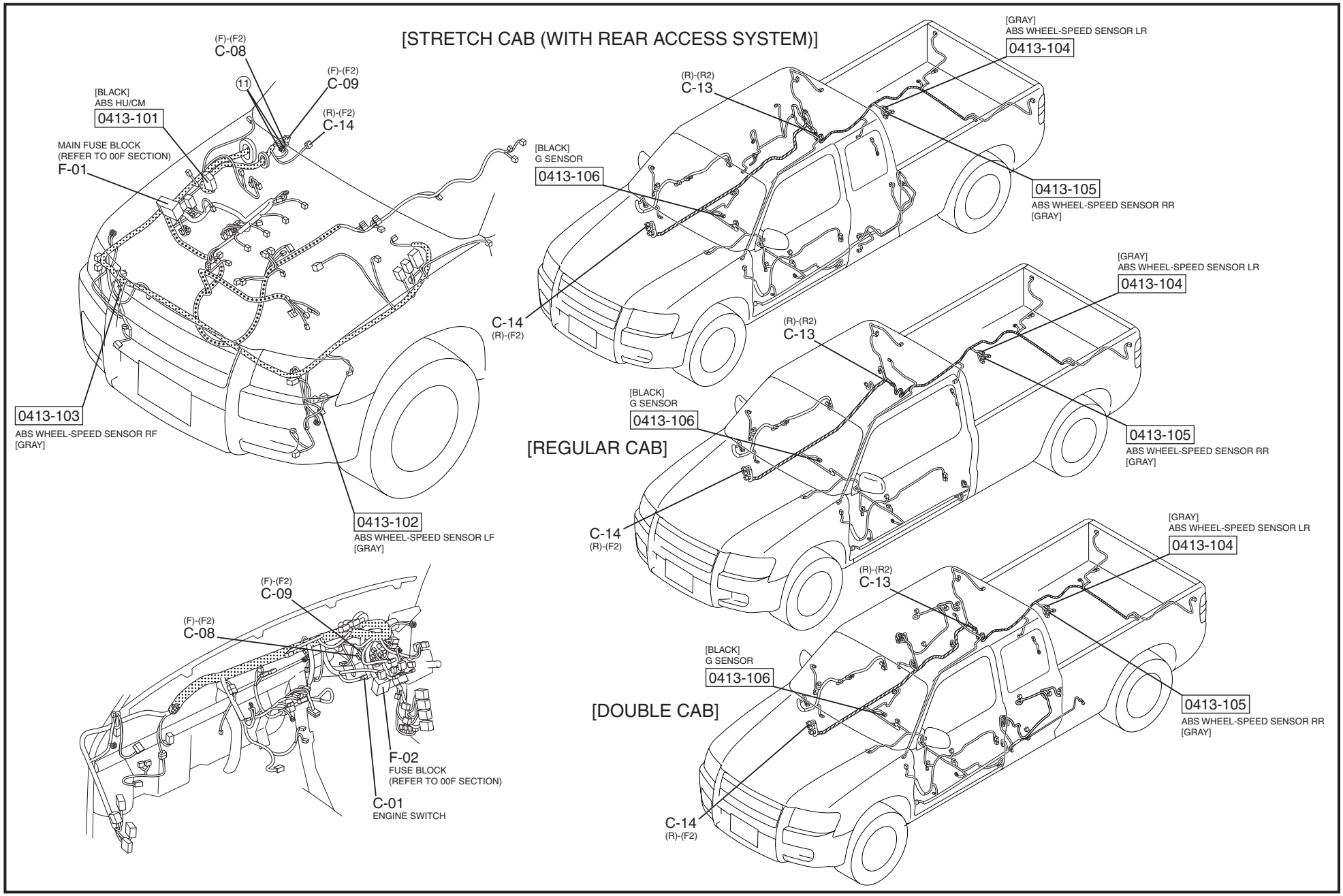
0413-104 ABS WHEEL-SPEED SENSOR LR (R2)

0413-105 ABS WHEEL-SPEED SENSOR RR (R2)

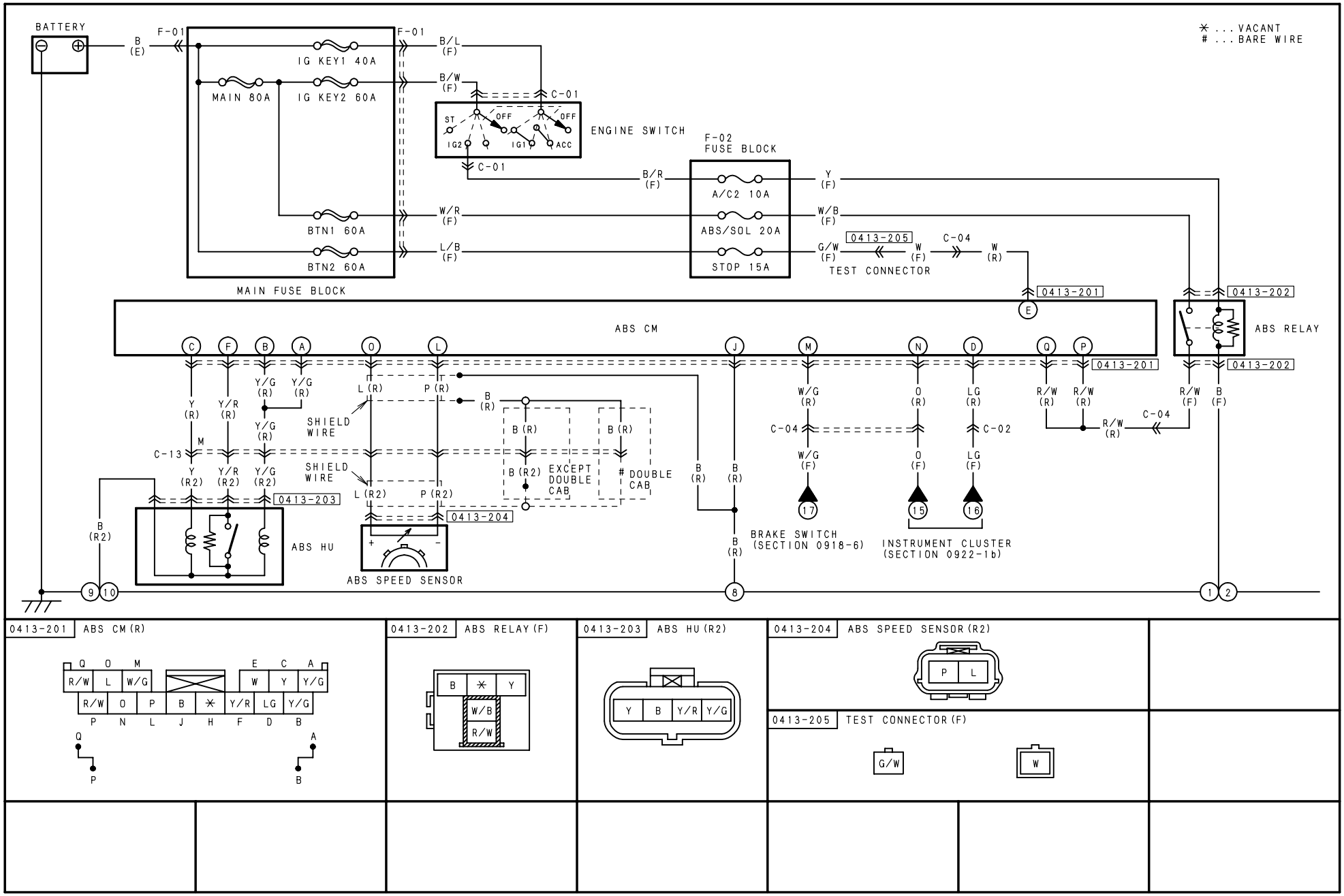
0413-106 G SENSOR (R)

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HARNESS SYMBOL: (F) (E) (R)



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0413-201 ABS CM (R)

0413-202 ABS RELAY (F)

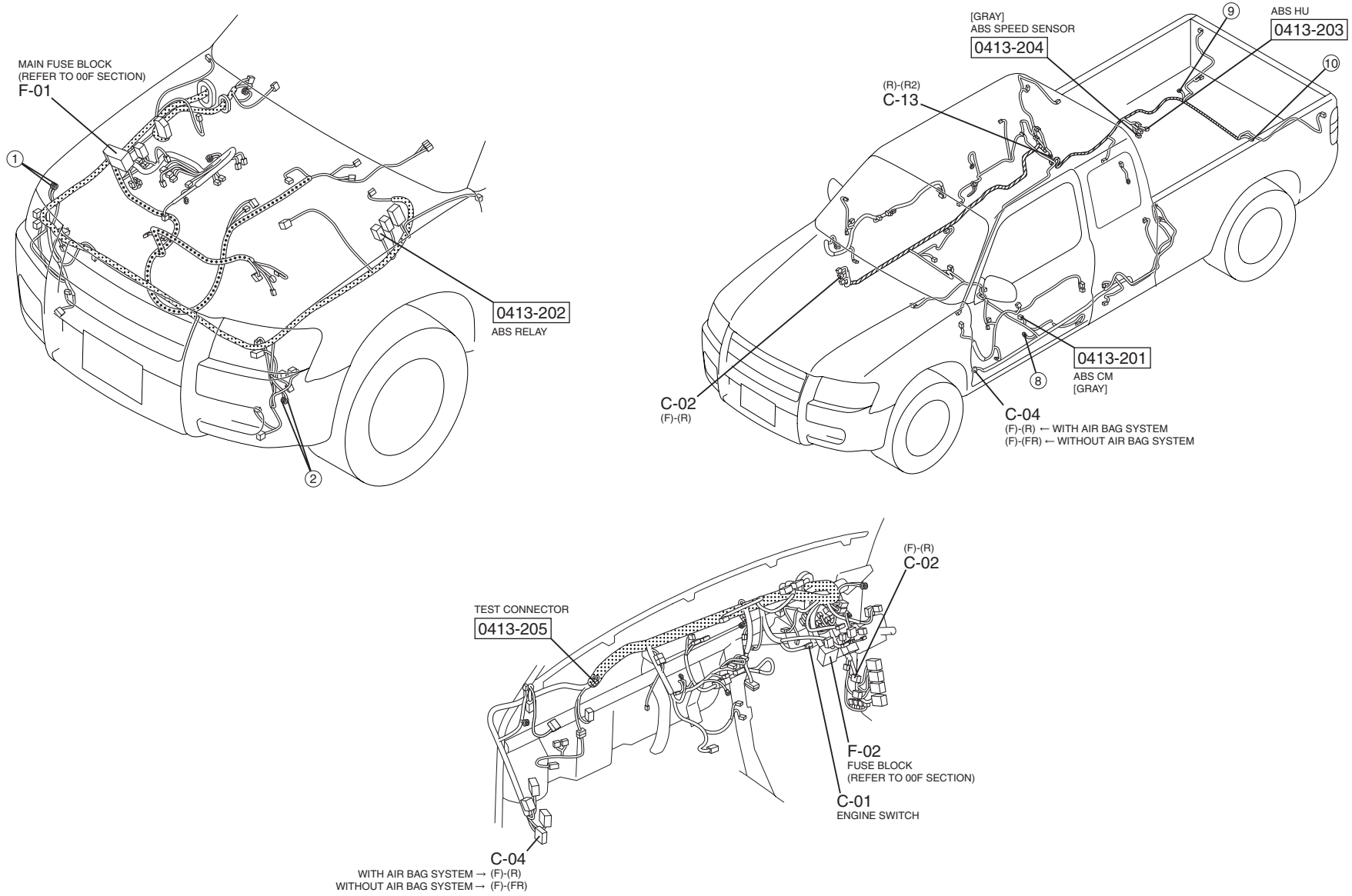
0413-203 ABS HU (R2)

0413-204 ABS SPEED SENSOR (R2)

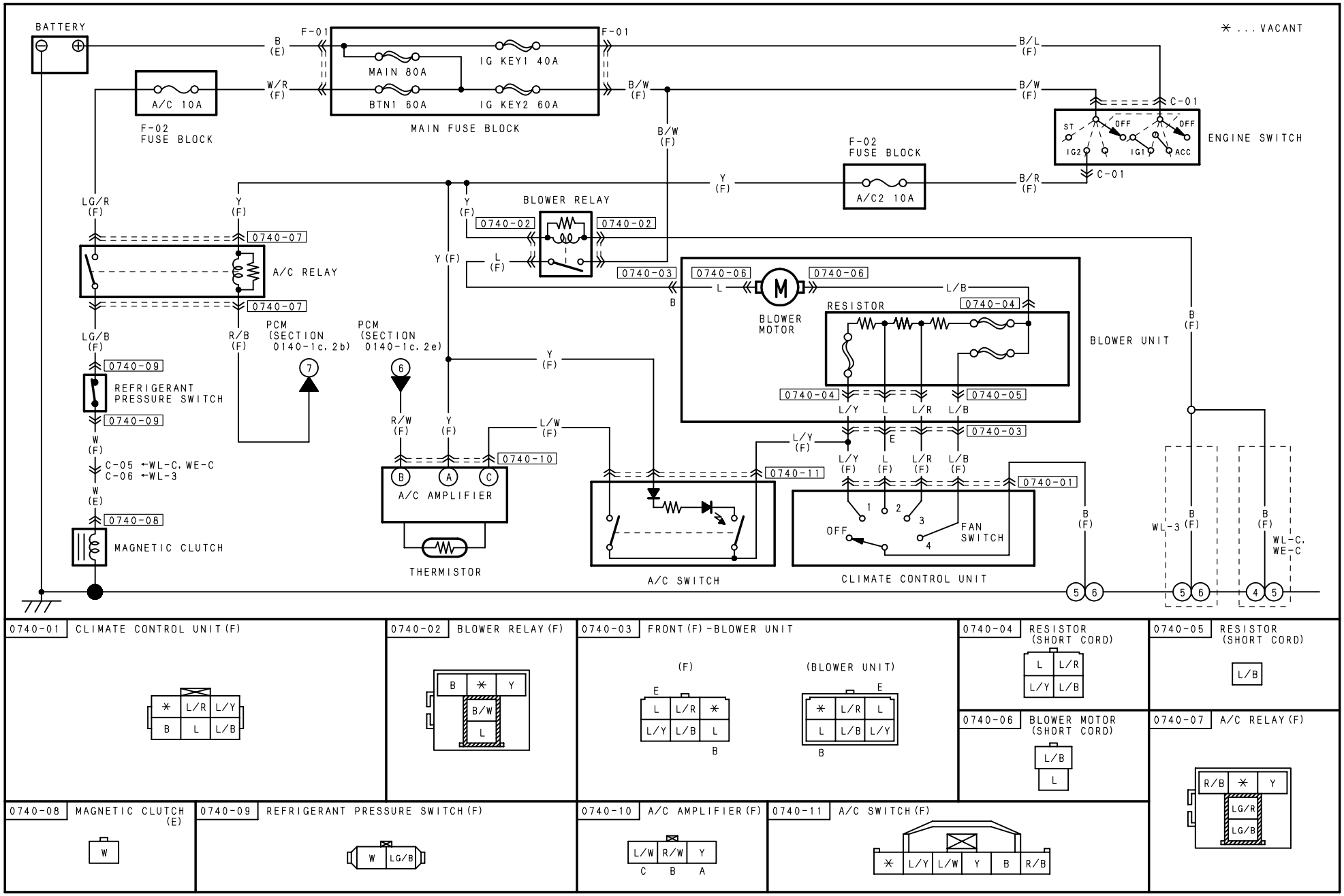
0413-205 TEST CONNECTOR (F)

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HARNESS SYMBOL: (F) (E) (R)



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0740-01 CLIMATE CONTROL UNIT (F)

0740-02 BLOWER RELAY (F)

0740-03 FRONT (F) - BLOWER UNIT

(F)

(BLOWER UNIT)

0740-04 RESISTOR (SHORT CORD)

0740-05 RESISTOR (SHORT CORD)

0740-06 BLOWER MOTOR (SHORT CORD)

0740-07 A/C RELAY (F)

0740-08 MAGNETIC CLUTCH (E)

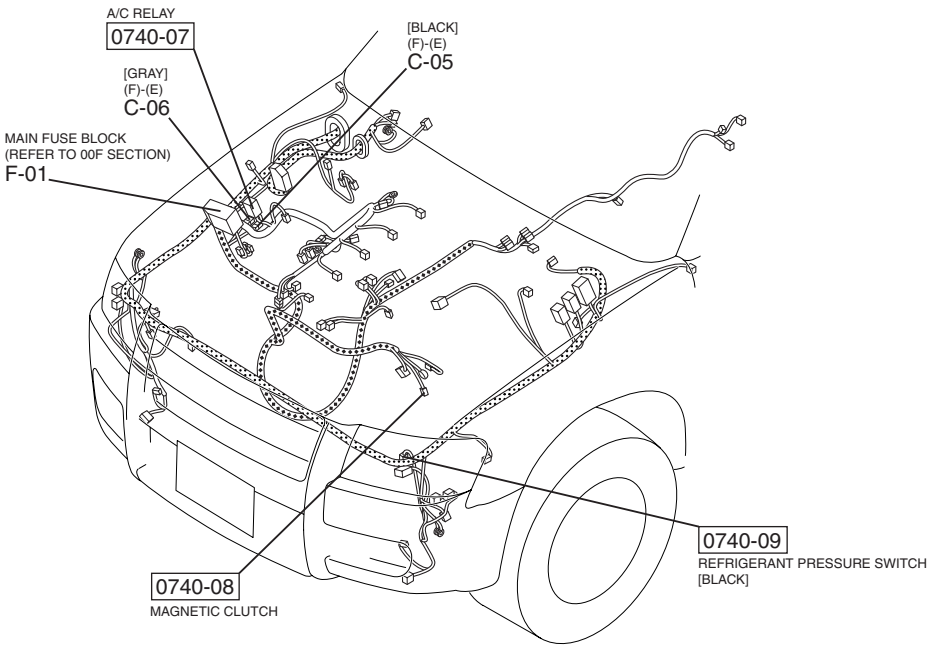
0740-09 REFRIGERANT PRESSURE SWITCH (F)

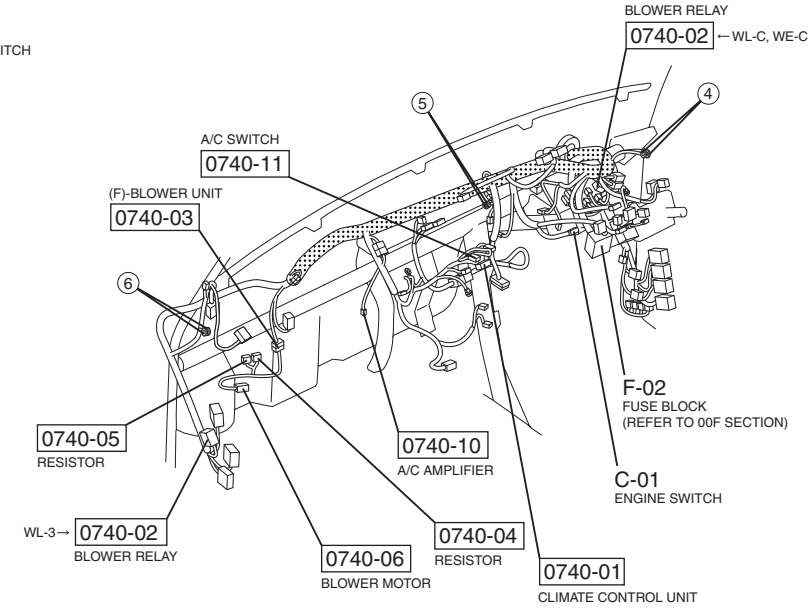
0740-10 A/C AMPLIFIER (F)

0740-11 A/C SWITCH (F)

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HARNESS SYMBOL: (F) (E) (R)





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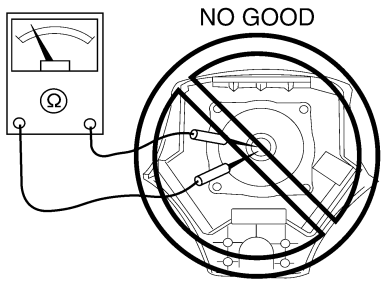
AIR BAG SYSTEM

SERVICE WARNINGS

DBG081000000W02

Air Bag Module Inspection

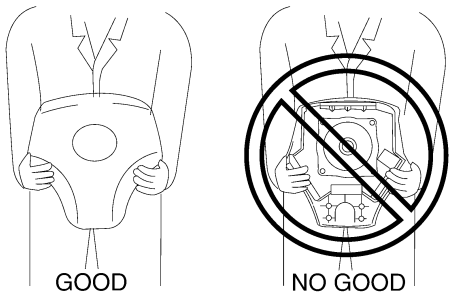
- **Inspecting an air bag module using a tester can operate (deploy) the air bag module, which may cause serious injury. Do not use a tester to inspect an air bag module. Always use the on-board diagnostic function to diagnose the air bag module for malfunctions.**



DPE810ZW1002

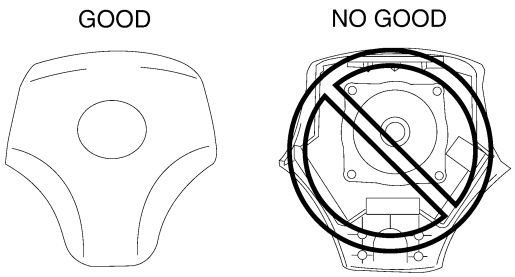
Air Bag Module Handling

- **Before removing the air bag module or disconnecting the air bag module connector, always turn the ignition switch to the LOCK position, disconnect the negative battery cable, and then wait for 1 min or more to allow the backup power supply of the SAS control module to deplete its stored power.**
- **Handling a live (undeployed) air bag module that is pointed toward your body could result in serious injury if the air bag module were to accidentally operate (deploy). When carrying a live (undeployed) air bag module, point the deployment surface away from your body to lessen the chance of injury in case it operates (deploys).**



DPE810ZW1003

- **A live (undeployed) air bag module placed with its deployment surface to ground is dangerous. If the air bag module were to accidentally operate (deploy), it could cause serious injury. Always place a live (undeployed) air bag module with its deployment surface up.**



DPE810ZW1004

Side Air Bag Module Handling

- **When a side air bag module operates (deploys) due to a collision, the interior of the seat back (pad, frame, trim) may become damaged. If a side air bag does not operate (deploy) normally from a seat back that has been reused, a serious accident may result. After a side air bag has operated (deployed), always replace both the side air bag module and the seat back (pad, frame, trim) with new parts. After servicing, verify that the seat operates normally and that the wiring harness is not caught.**

SAS control module Handling

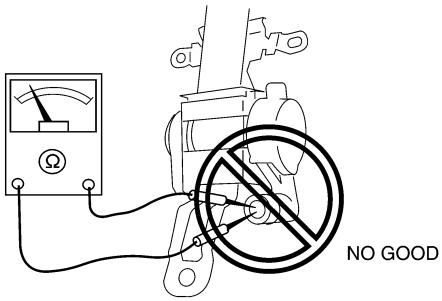
- **Removing the SAS control module or disconnecting the SAS control module connector with the ignition switch at the ON position can activate the sensor in the SAS control module and operate (deploy) the air bags and pre-tensioner seat belts, which may cause serious injury. Before removing the SAS control module or disconnecting the SAS control module connector, always turn the ignition switch to the LOCK position, disconnect the negative battery cable, and then wait for 1 min or more to allow the backup power supply of the SAS control module to deplete its stored power.**
- **Connecting the SAS control module connector with the SAS control module not securely fixed to the vehicle is dangerous. The sensor in the SAS control module could send an electrical signal to the air bag modules and pre-tensioner seat belts. This will operate (deploy) the air bags and pre-tensioner seat belts, which may result in serious injury. Therefore, before connecting the connector, securely fix the SAS control module to the vehicle.**
- **Because a sensor is built into the SAS control module, once the air bags and pre-tensioner seat belts have operated (deployed) due to a collision or other causes, the SAS control module must be replaced with a new one even if the used one does not have any visible external damage or deformation. The used SAS control module may have been damaged internally which may cause improper operation. If the SAS control module is reused, the air bags and pre-tensioner seat belts may not operate (deploy) normally, which could result in a serious accident. Always replace the SAS control module with a new one. The SAS control module cannot be bench-checked or self-checked.**

Side Air Bag Sensor Handling

- **Removing the side air bag sensor or disconnecting the side air bag sensor connector with the ignition switch at the ON position can activate the side air bag sensor and operate (deploy) the side air bag, which may cause serious injury. Before removing the side air bag sensor or disconnecting the side air bag sensor connector, always turn the ignition switch to the LOCK position, disconnect the negative battery cable, and then wait for 1 min or more to allow the backup power supply of the SAS control module to deplete its stored power.**
- **If the side air bag sensor is subjected to shock or the sensor is disassembled, the side air bag may accidentally operate (deploy) and cause injury, or the system may fail to operate normally and cause a serious accident. Do not subject the side air bag sensor to shock or disassemble the sensor.**
- **Because a sensor is built into the side air bag sensor, once the air bag has operated (deployed) due to a collision or other causes, the side air bag sensor must be replaced with a new one even if the used one does not have any visible external damage or deformation. If the side air bag sensor is reused, the side air bag may not operate (deploy) normally, which could result in a serious accident. Always replace the side air bag sensor with a new one. The side air bag sensor cannot be bench-checked or self-checked.**

Pre-tensioner Seat Belt Inspection

- **Inspecting a pre-tensioner seat belt using a tester can operate (deploy) the pre-tensioner seat belt, which may cause serious injury. Do not use a tester to inspect a pre-tensioner seat belt. Always use the on-board diagnostic function to diagnose the pre-tensioner seat belt for malfunctions.**



E5U810ZW5005

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SERVICE CAUTIONS

DBG081000000W03

Air Bag System Component Disassembly

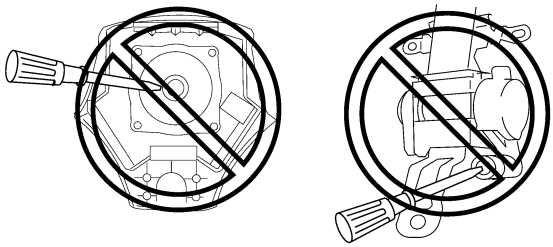
- **Disassembling the air bag system components could cause it to not operate (deploy) normally. Never disassemble any air bag system components.**



DPE810ZW1005

Air Bag Module, Pre-tensioner Seat Belt Handling

- **Oil, grease, or water on the air bag modules may cause the air bags and pre-tensioner seat belts to fail to operate (deploy) in an accident. Never allow oil, grease, or water to get on the air bag modules or pre-tensioner seat belts.**
- **Inserting a screwdriver or similar object into the connector of an air bag module or a pre-tensioner seat belt may damage the connector and cause the air bag module or the pre-tensioner seat belt to operate (deploy) improperly, which may cause serious injury. Never insert any foreign objects into the air bag module or seat belt connectors.**



DCF810ZWB002

Air Bag Module, Pre-tensioner Seat Belt Reuse

- **Even if an air bag module or a pre-tensioner seat belt does not operate (deploy) in a collision and does not have any external signs of damage, it may have been damaged internally, which may cause improper operation. Before reusing a live (undeployed) air bag module and the pre-tensioner seat belts, always use the on-board diagnostic to diagnose the air bag module and the pre-tensioner seat belts to verify that they have no malfunction.**

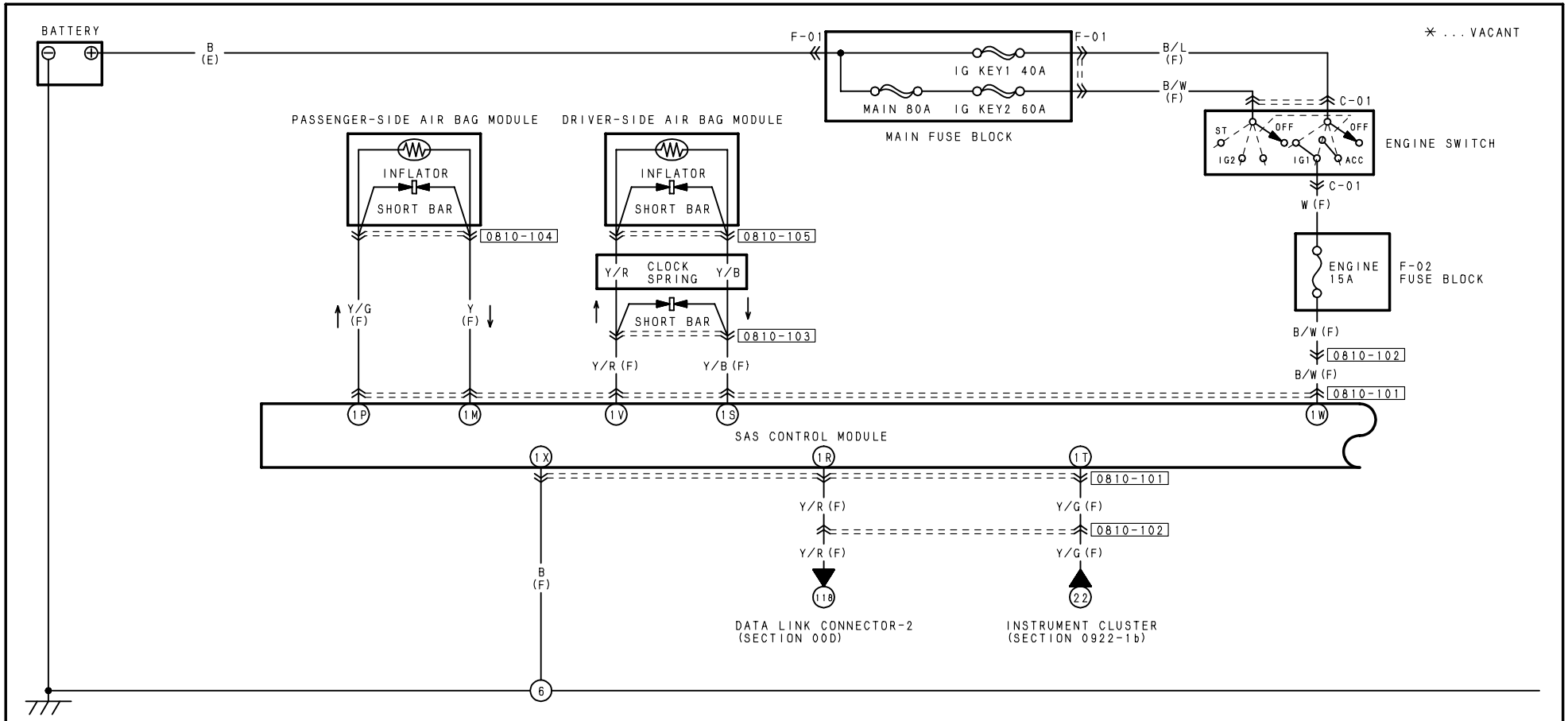
Air Bag Wiring Harness Repair

- **Incorrectly repairing an air bag wiring harness can accidentally operate (deploy) the air bag module and pre-tensioner seat belts. If a problem is found in the air bag wiring harness, always replace the wiring harness with a new one.**

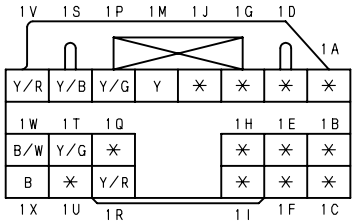


CHU0810W606

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0810-101 SAS CONTROL MODULE (F)



0810-102 SHORT CONNECTOR (F)



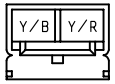
0810-103 FRONT (F) -CLOCK SPRING



0810-104 PASSENGER-SIDE AIR BAG MODULE (F)

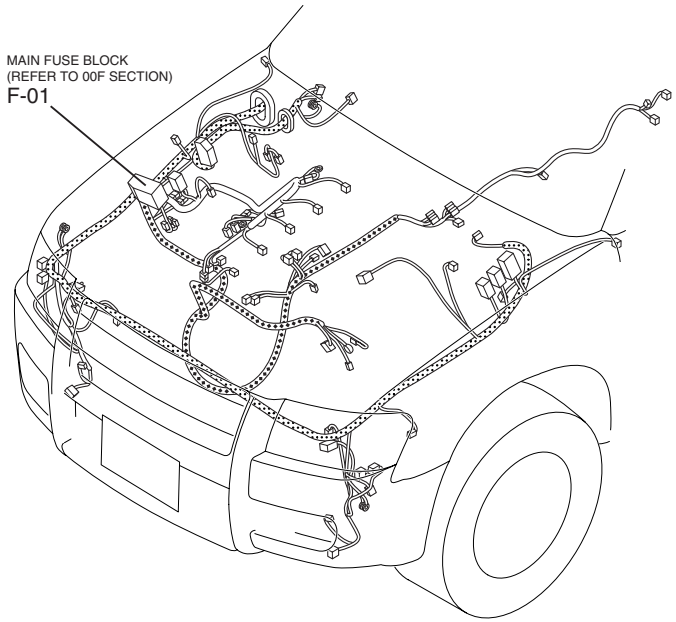


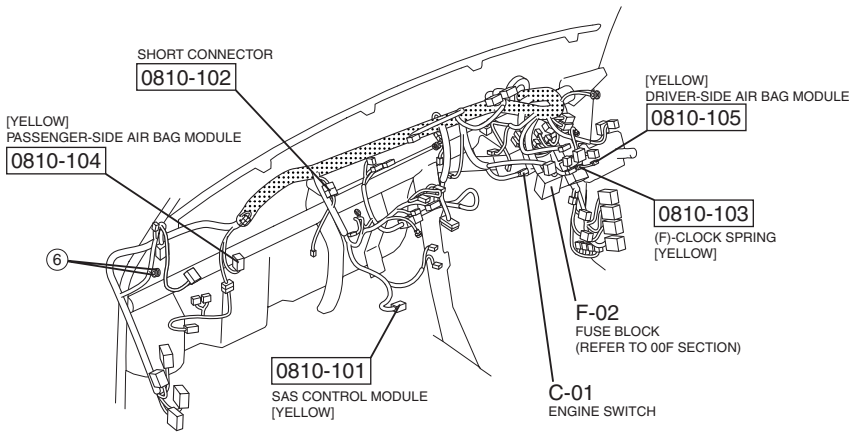
0810-105 DRIVER-SIDE AIR BAG MODULE (CLOCK SPRING)



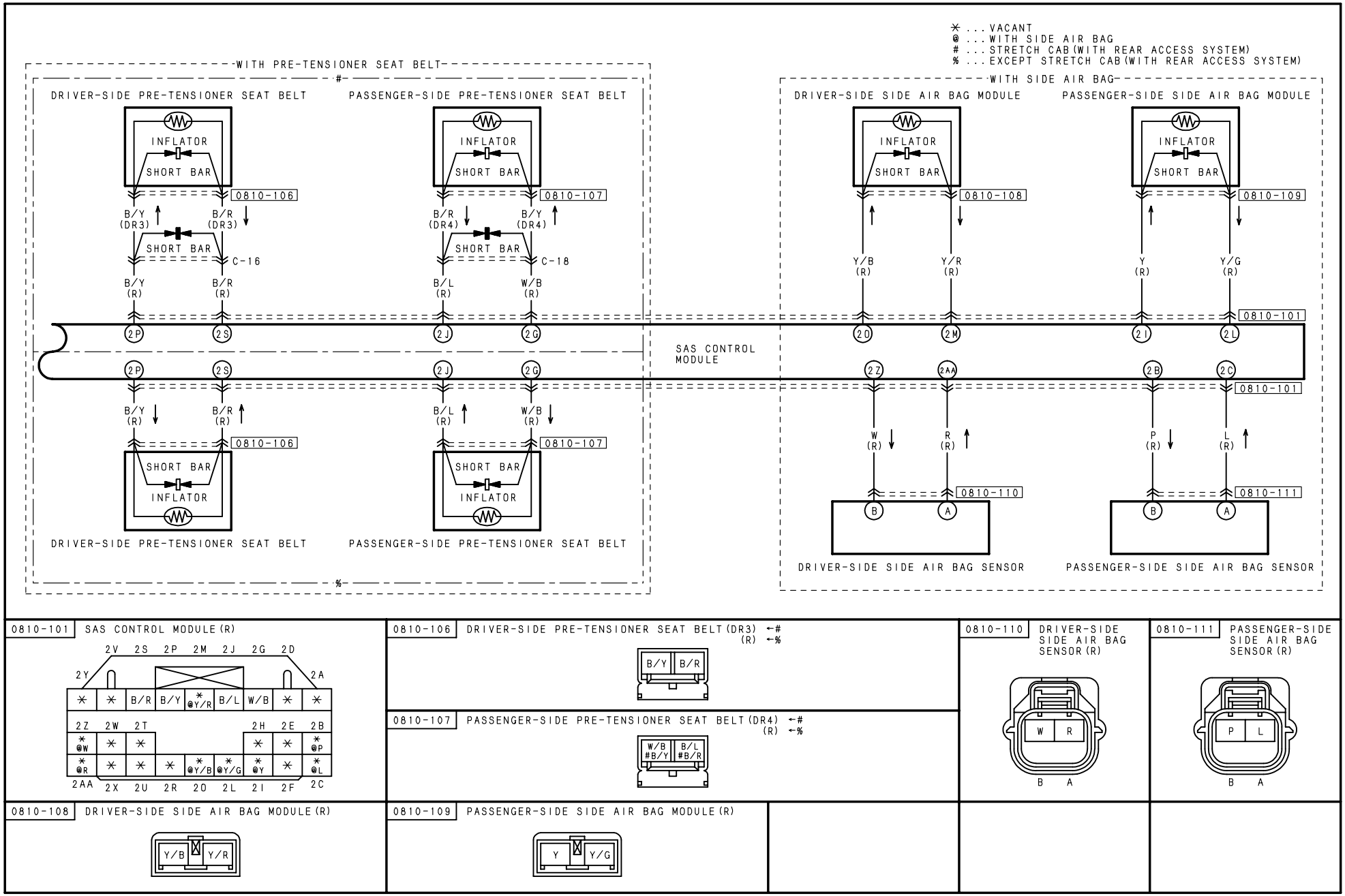
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HARNESS SYMBOL: (F) (E) (R)



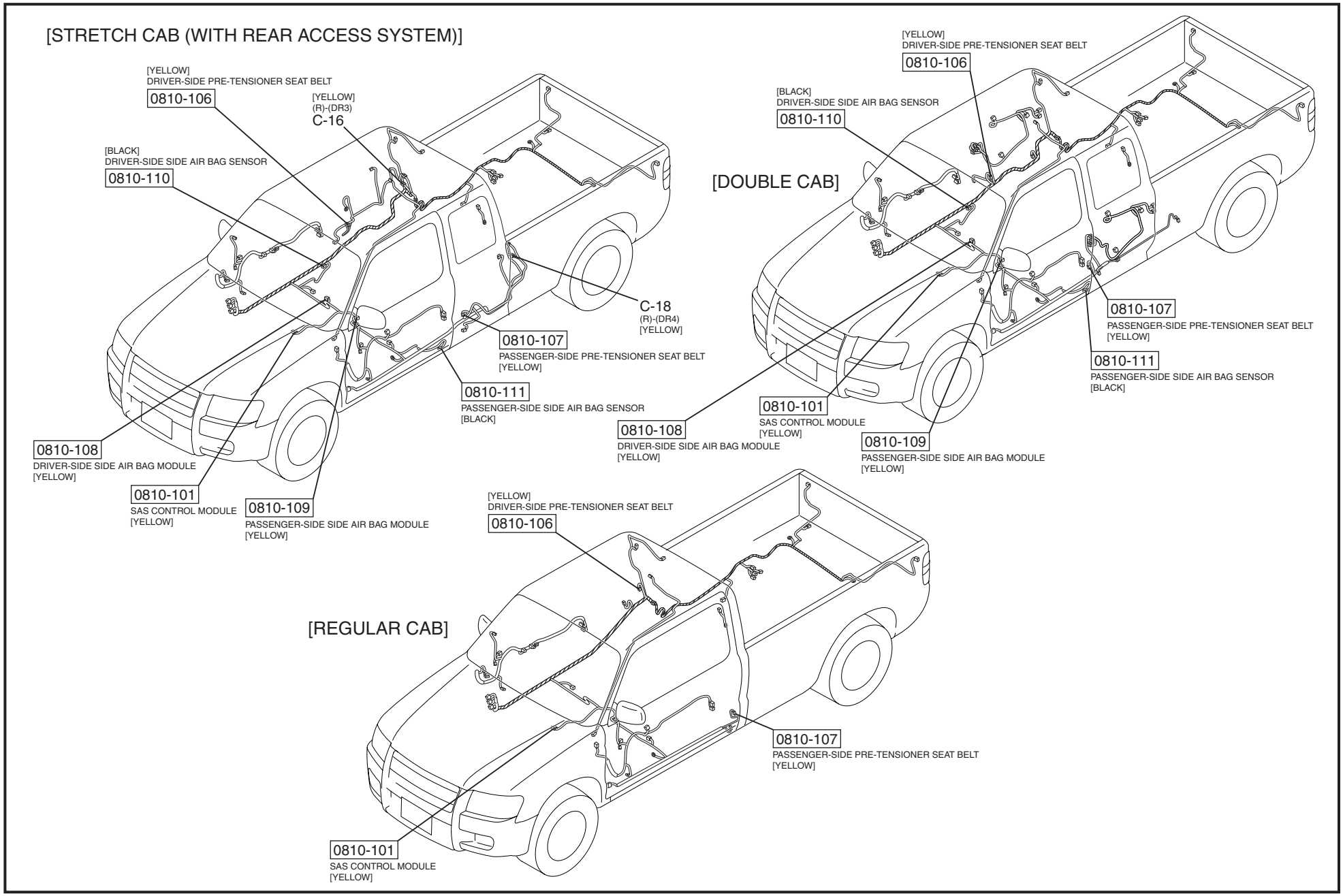


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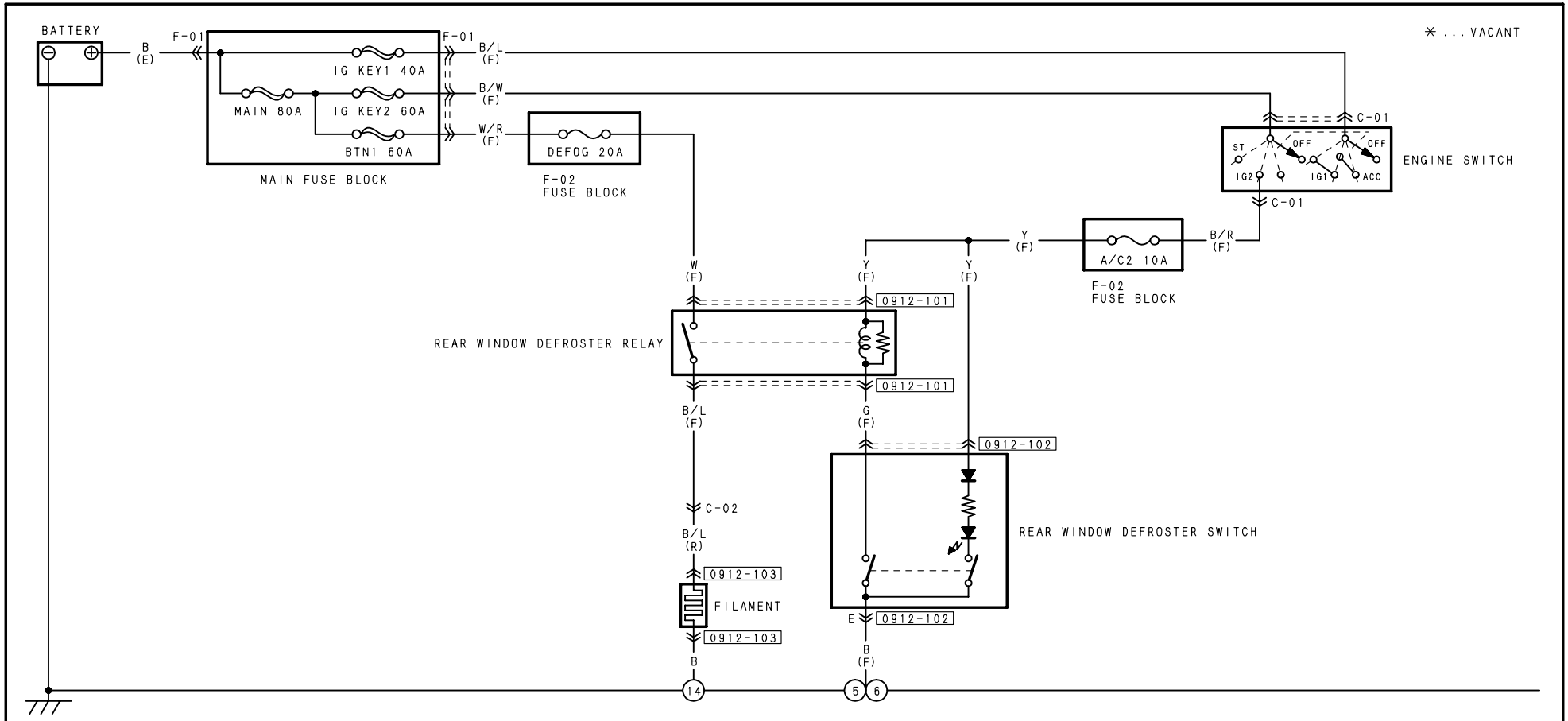


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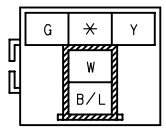
HARNESS SYMBOL: (F) (E) (R)



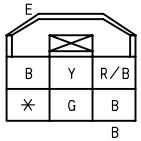
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0912-101 REAR WINDOW DEFROSTER RELAY (F)



0912-102 REAR WINDOW DEFROSTER SWITCH (F)

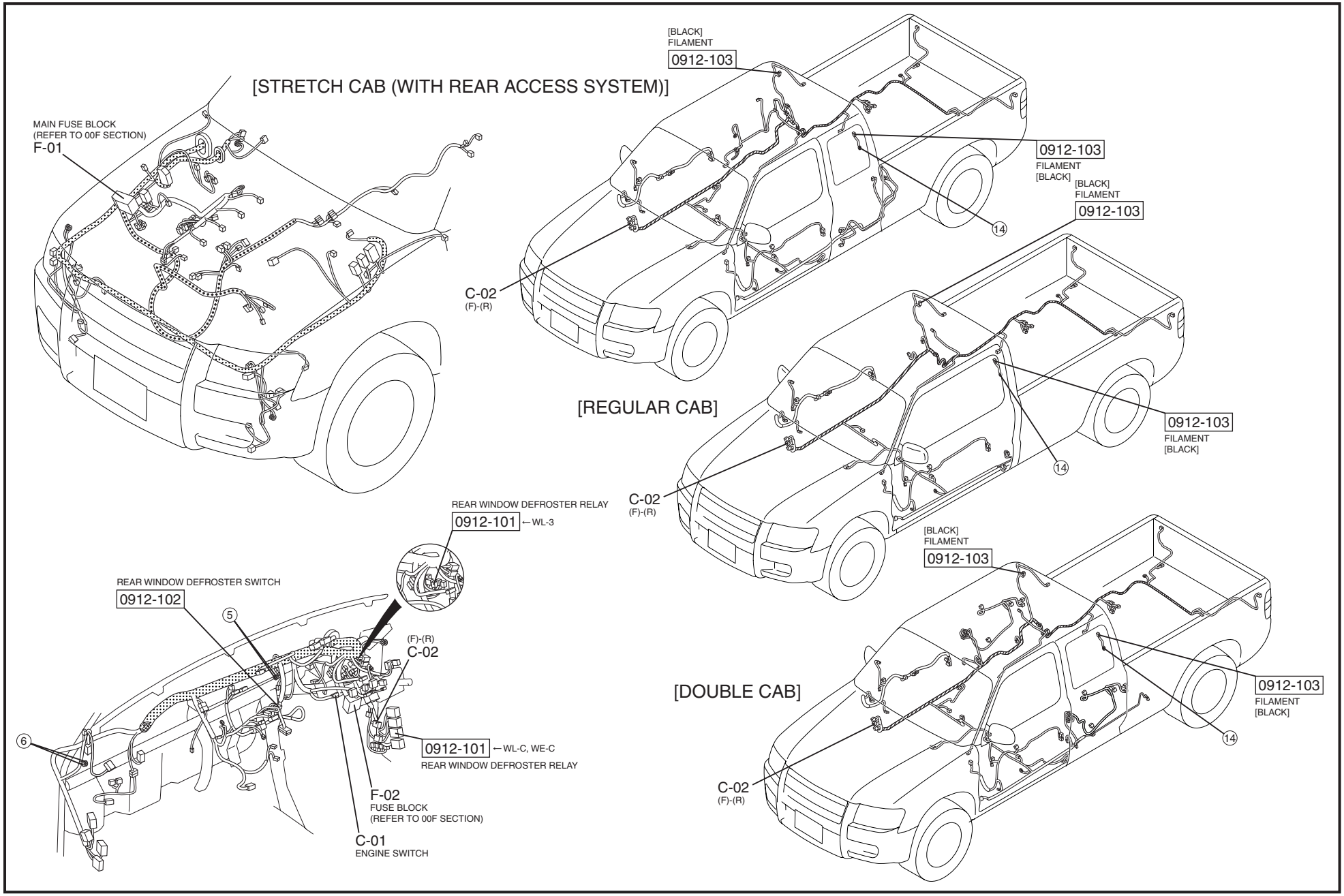


0912-103 FILAMENT

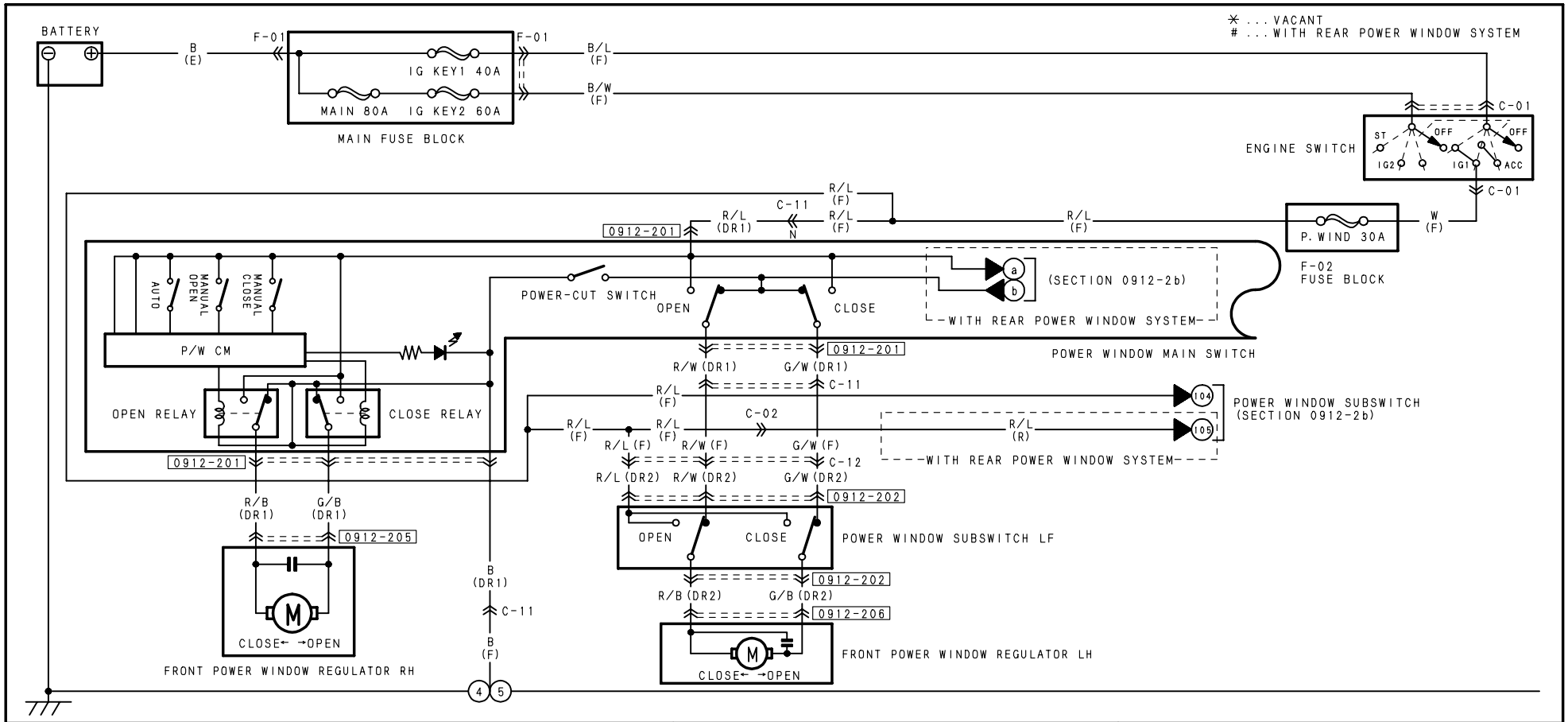


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HARNESS SYMBOL: (F) (E) (R)



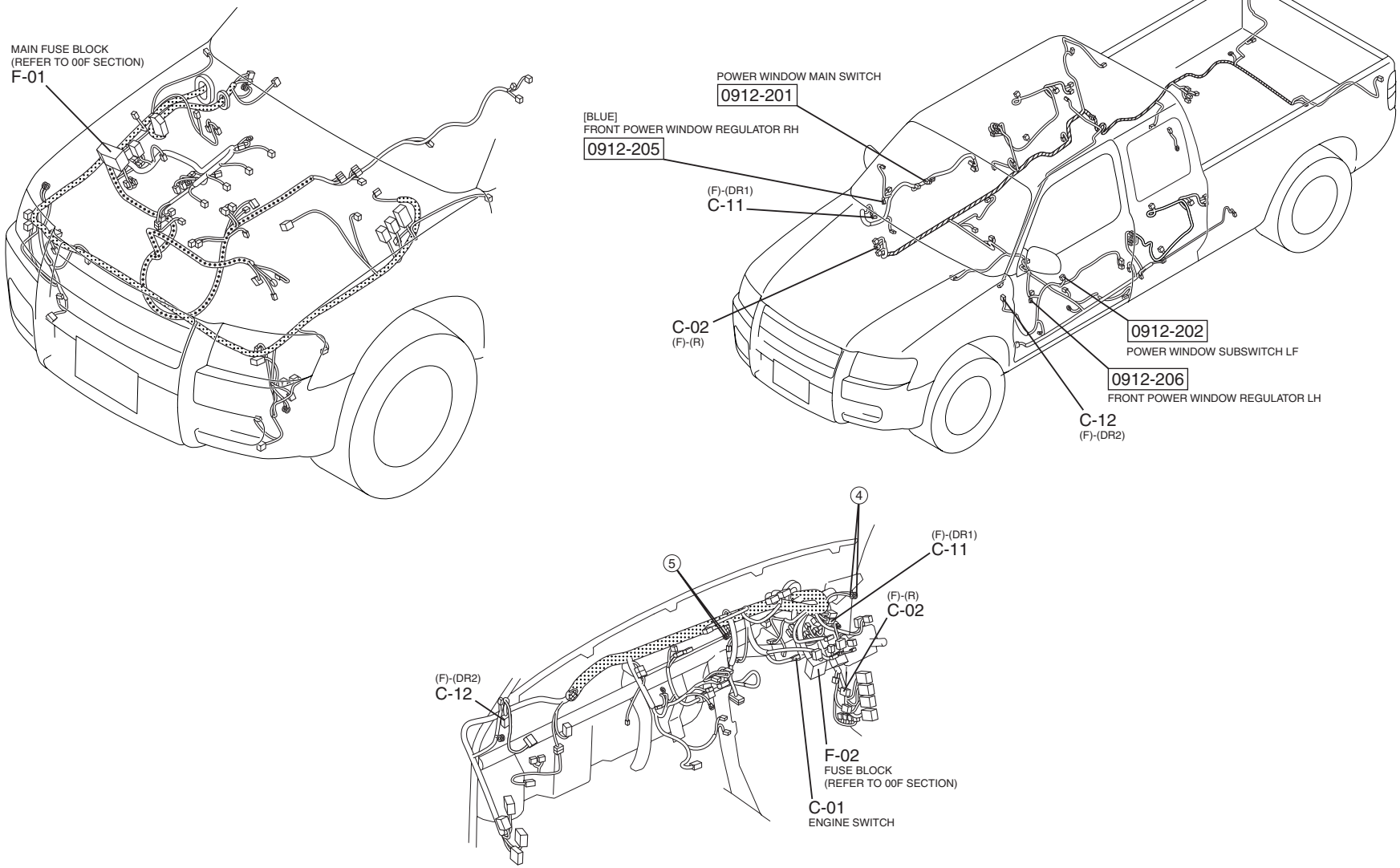
www.truck-freeworkshop.com



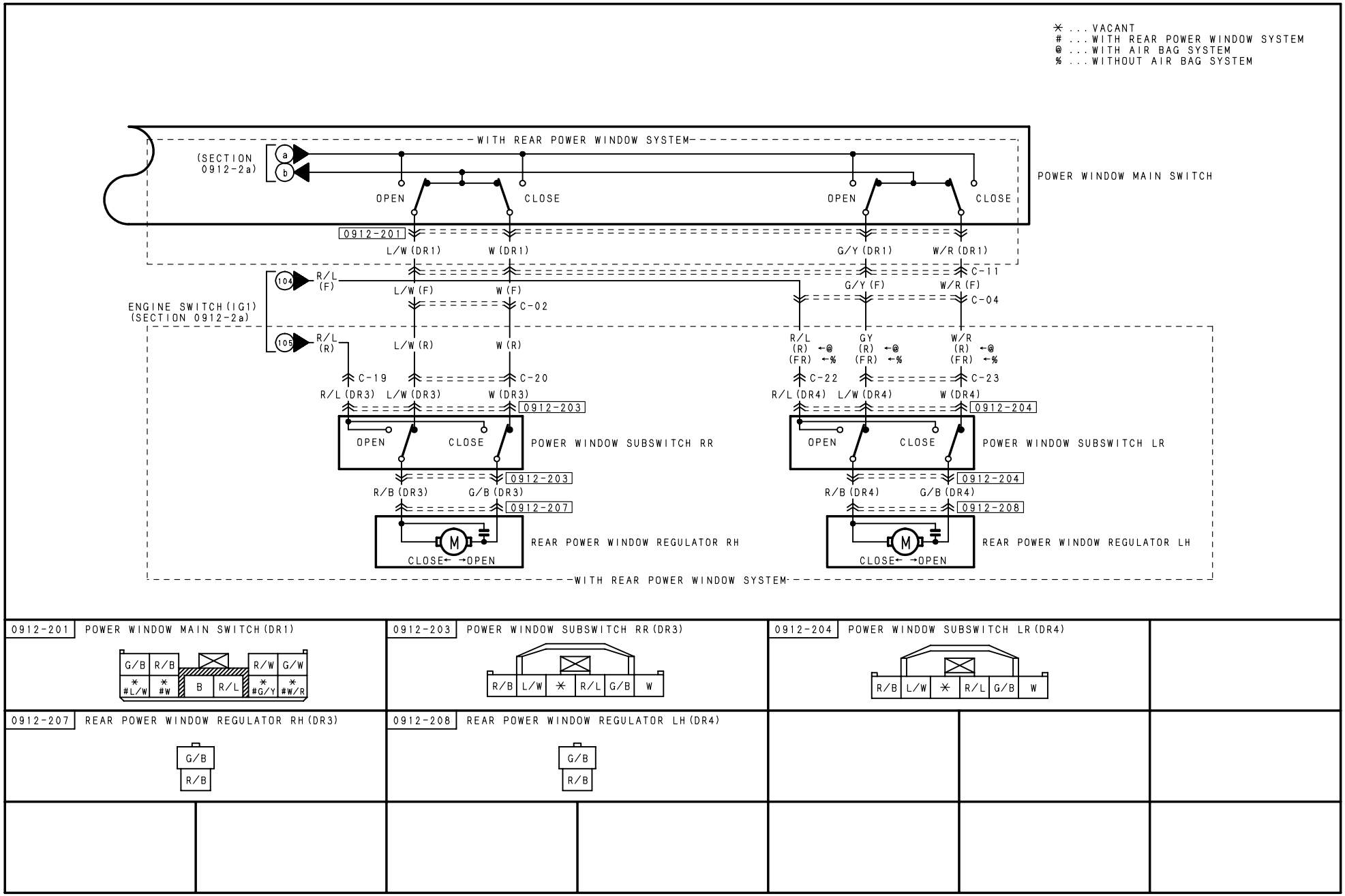
0912-201 POWER WINDOW MAIN SWITCH (DR1)	0912-202 POWER WINDOW SUBSWITCH LF (DR2)	0912-205 FRONT POWER WINDOW REGULATOR RH (DR1)
0912-206 FRONT POWER WINDOW REGULATOR LH (DR2)		

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HARNESS SYMBOL: (F) (E) (R)



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0912-201 POWER WINDOW MAIN SWITCH (DR1)

0912-203 POWER WINDOW SUBSWITCH RR (DR3)

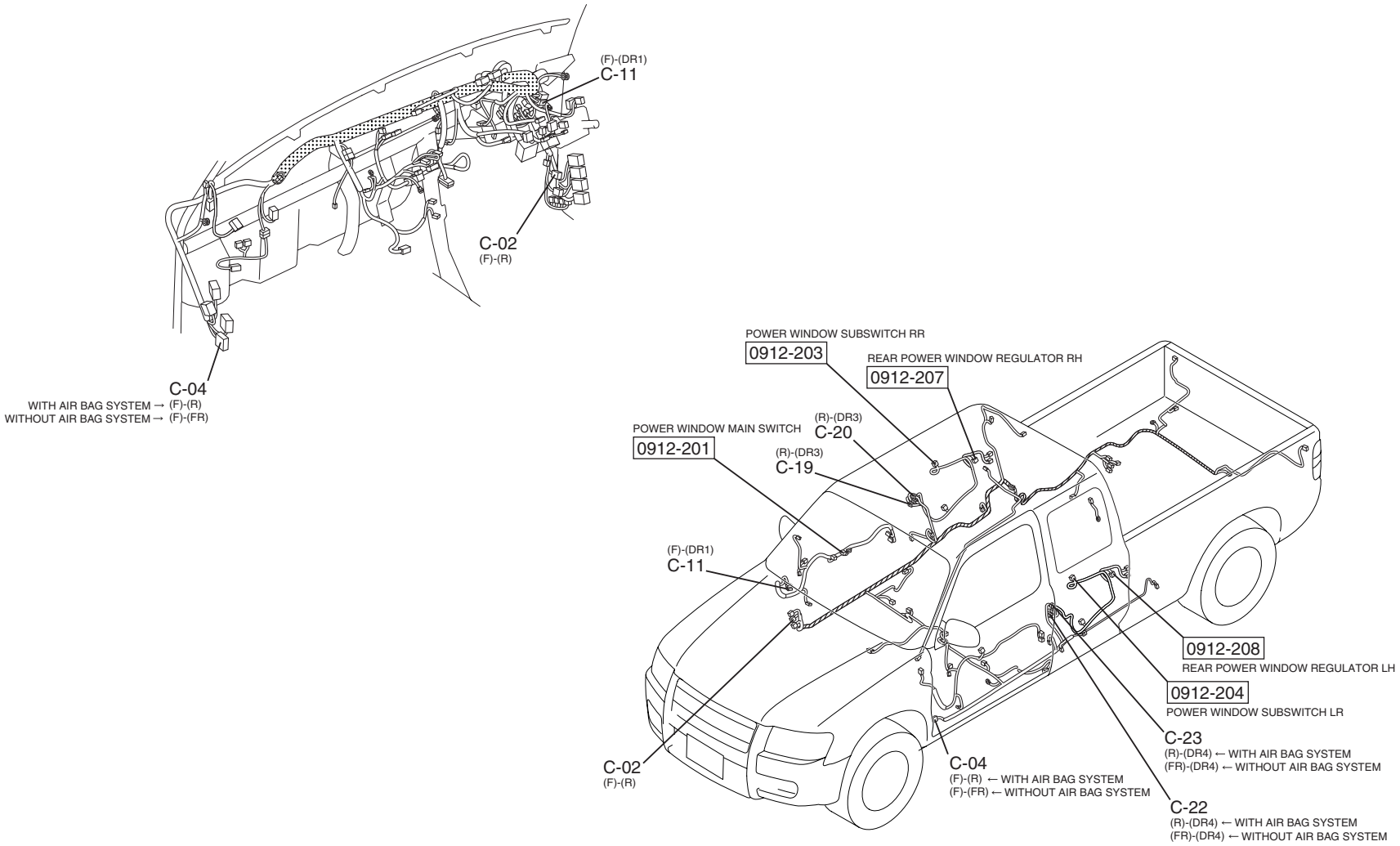
0912-204 POWER WINDOW SUBSWITCH LR (DR4)

0912-207 REAR POWER WINDOW REGULATOR RH (DR3)

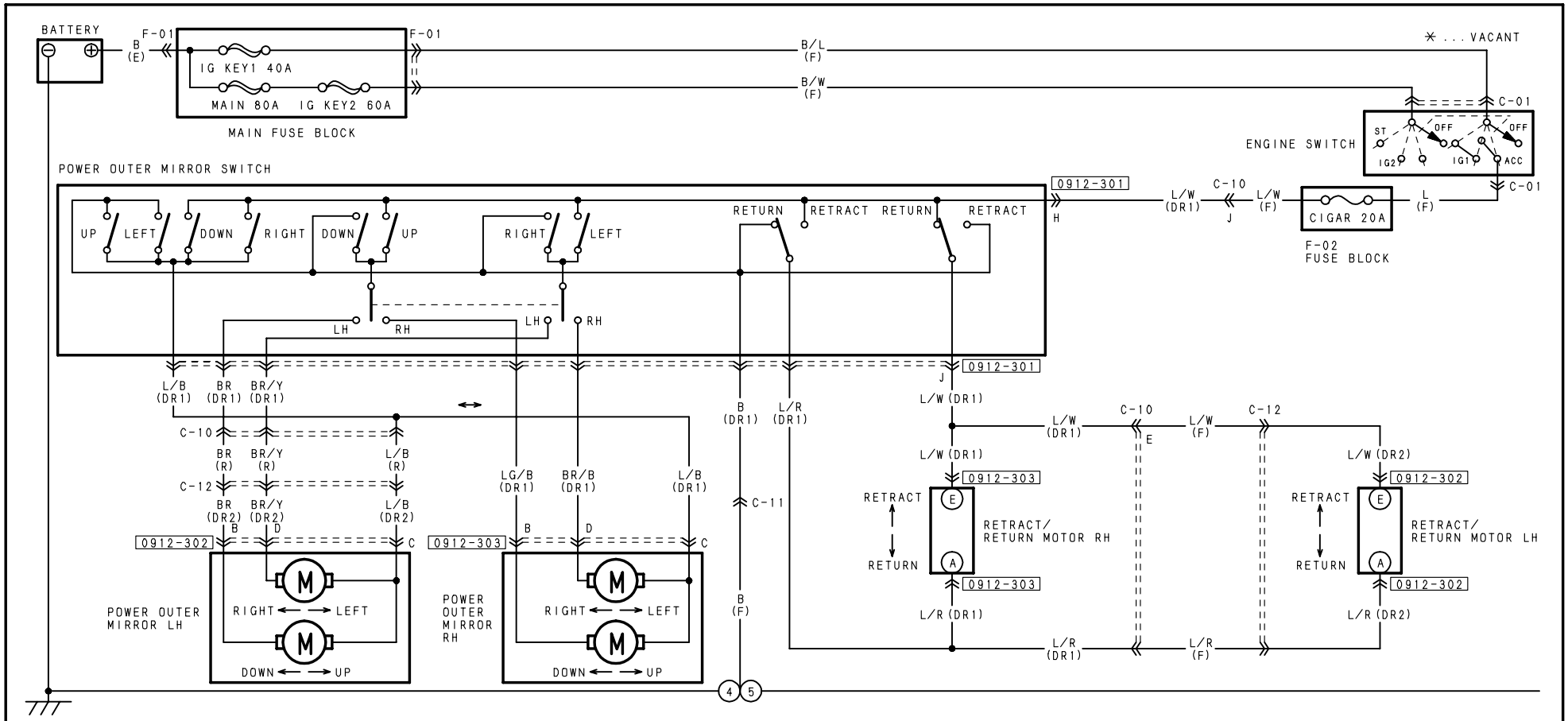
0912-208 REAR POWER WINDOW REGULATOR LH (DR4)

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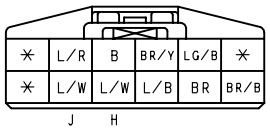
HARNESS SYMBOL: (F) (E) (R)



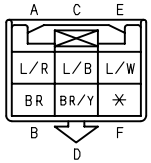
www.truck-freeworkshop.com



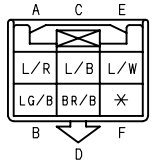
0912-301 POWER OUTER MIRROR SWITCH (DR1)



0912-302 POWER OUTER MIRROR LH/ RETRACT/RETURN MOTOR LH (DR2)

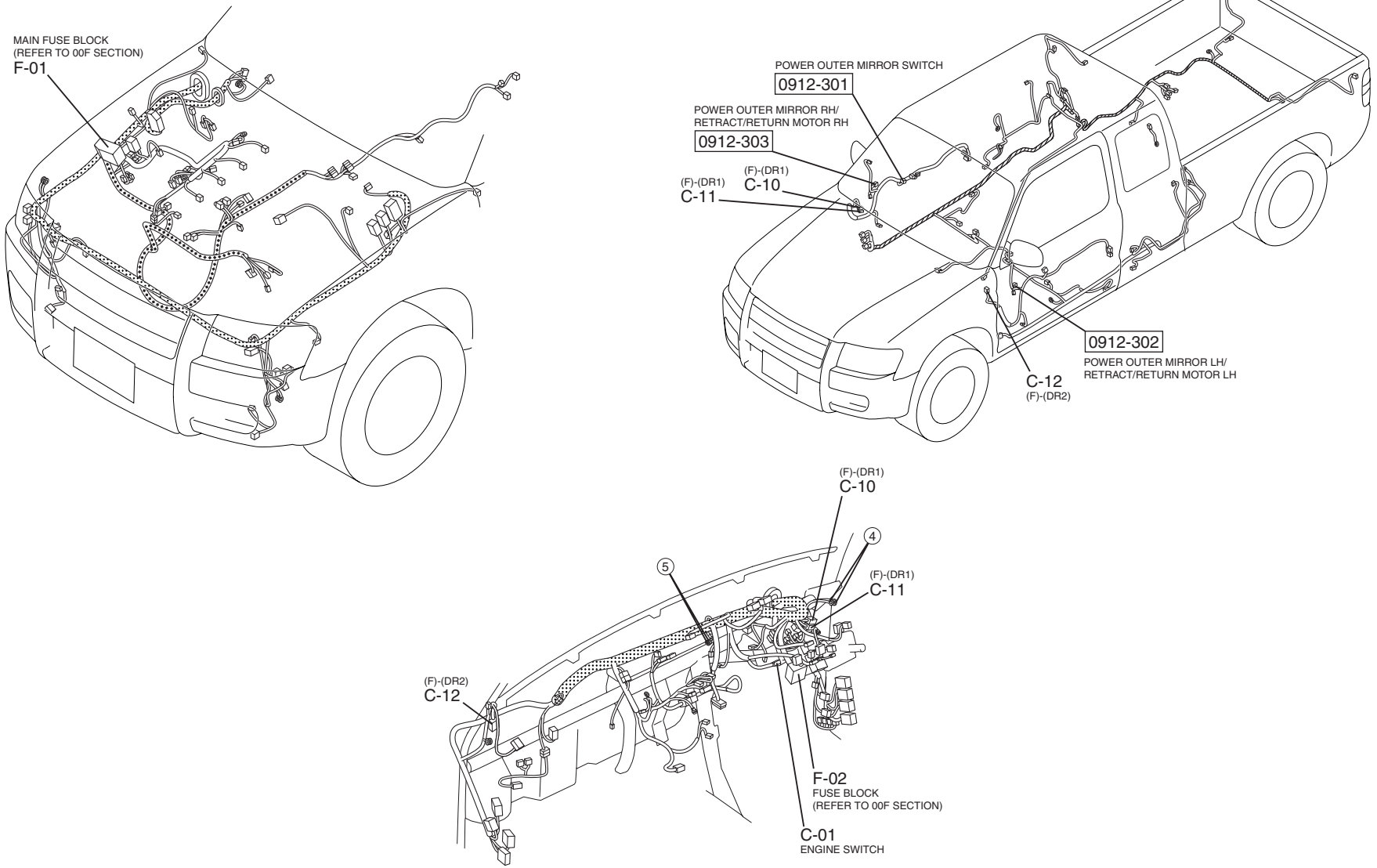


0912-303 POWER OUTER MIRROR RH/ RETRACT/RETURN MOTOR RH (DR1)

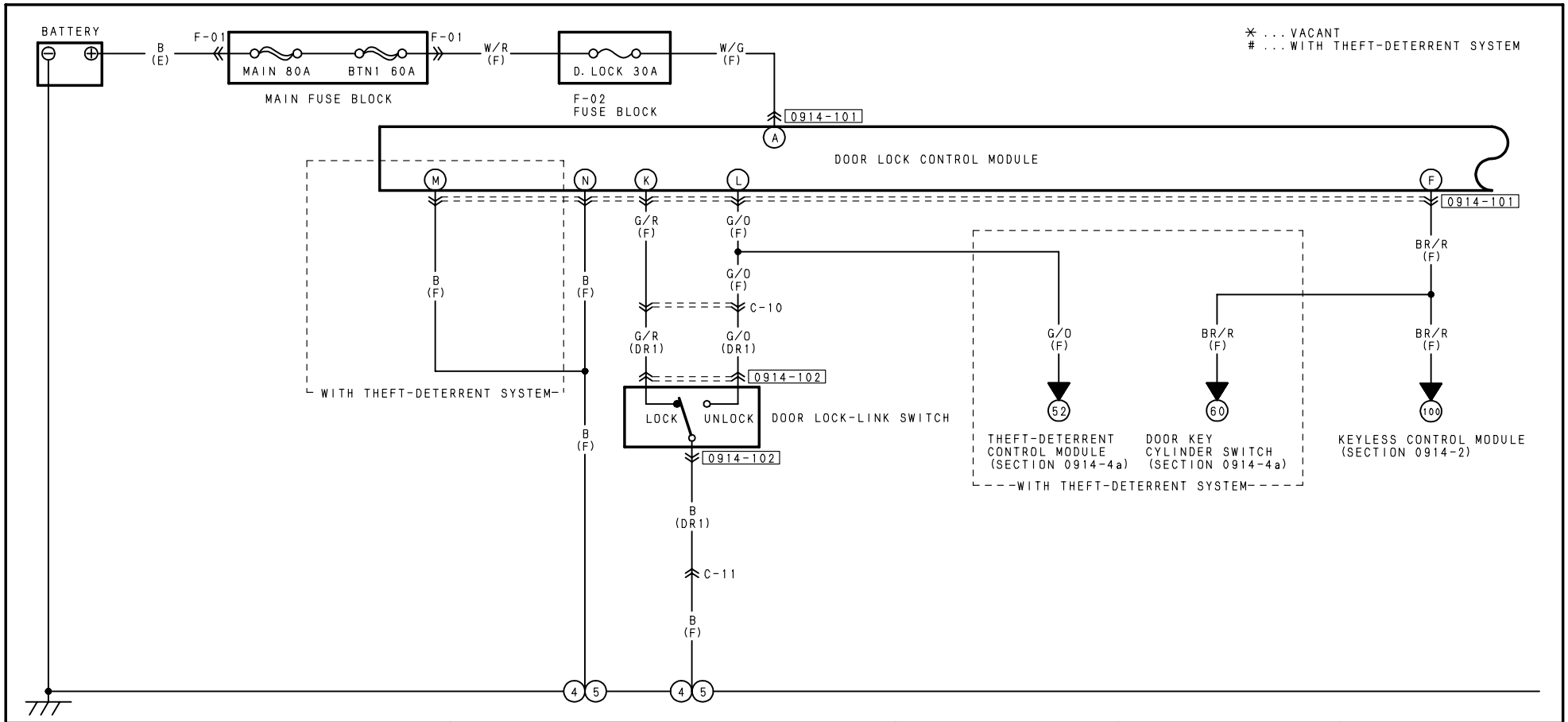


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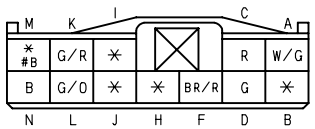
HARNESS SYMBOL: (F) (E) (R)



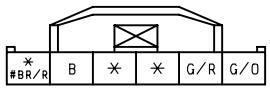
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0914-101 DOOR LOCK CONTROL MODULE (F)

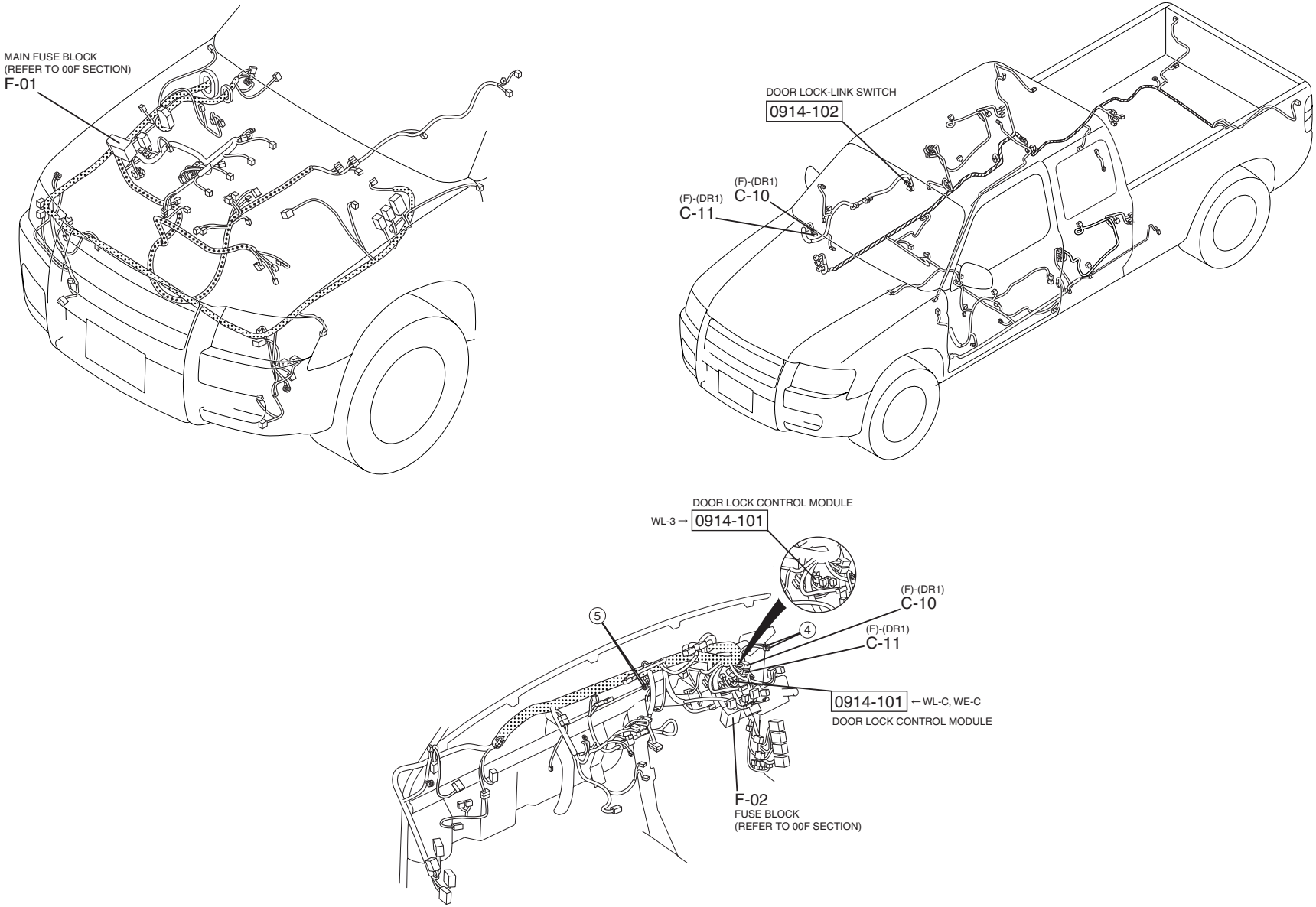


0914-102 DOOR LOCK-LINK SWITCH (DR1)

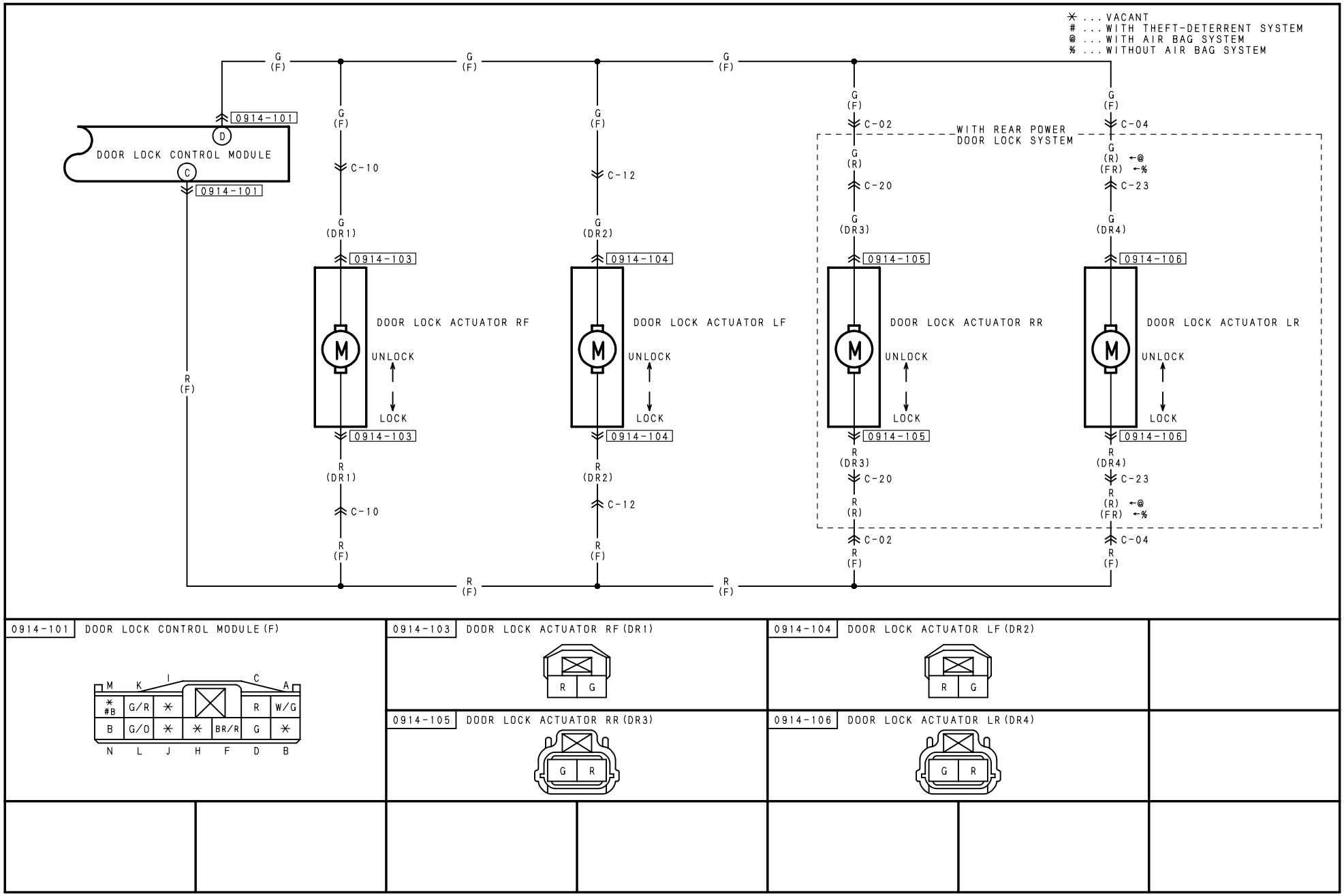


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HARNESS SYMBOL: (F) (E) (R)

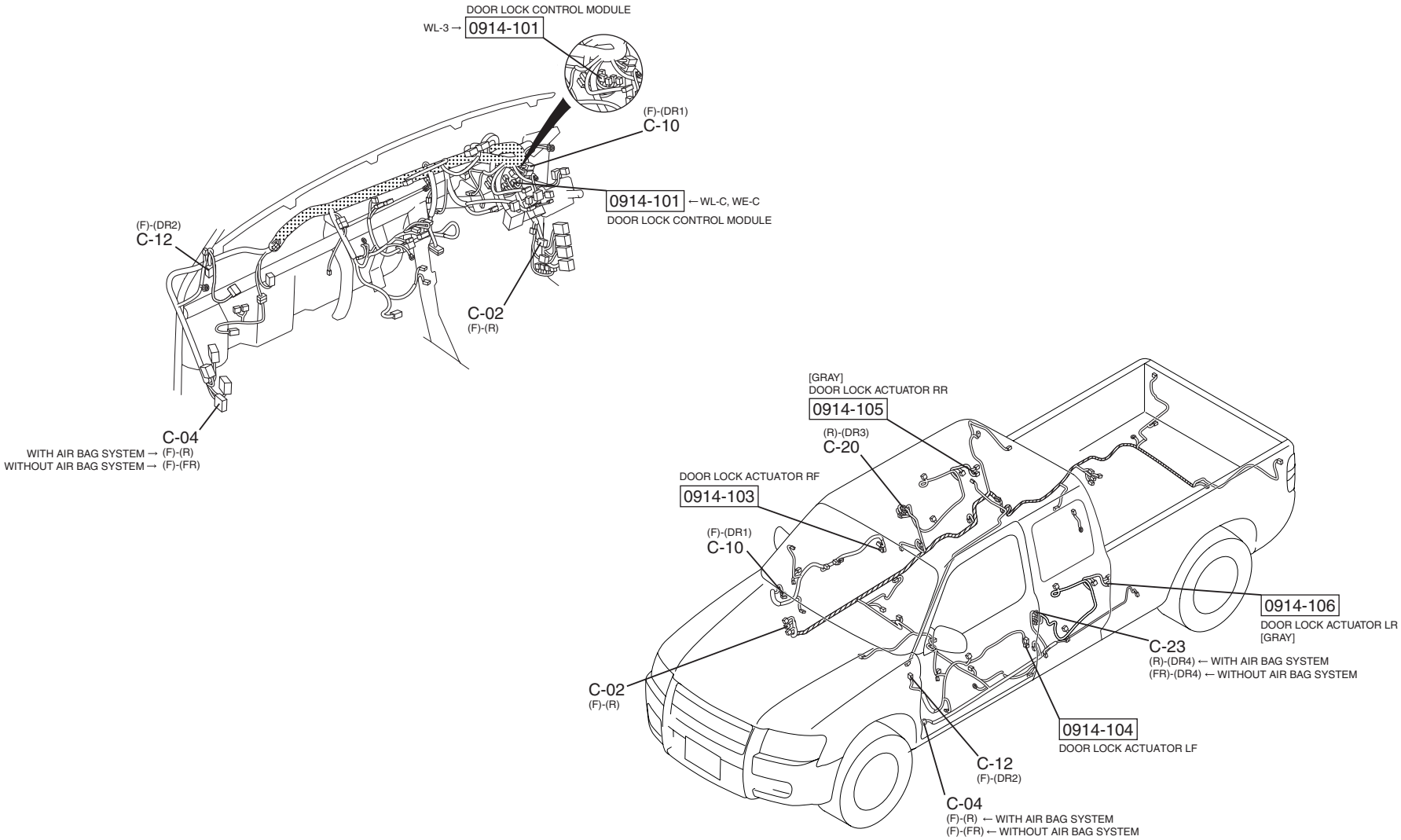


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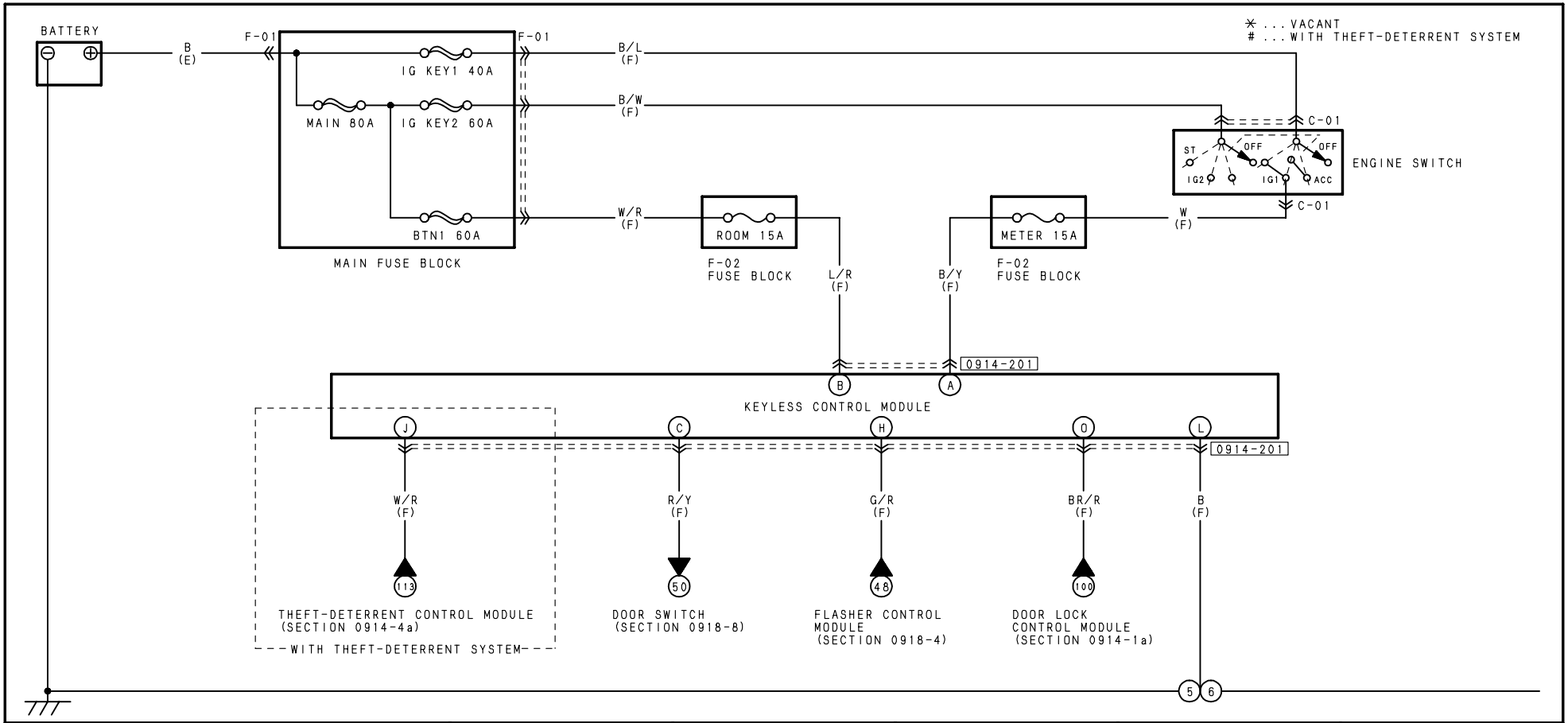


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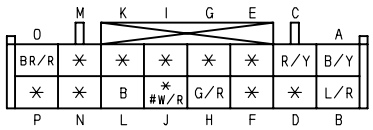
HARNESS SYMBOL: (F) (E) (R)



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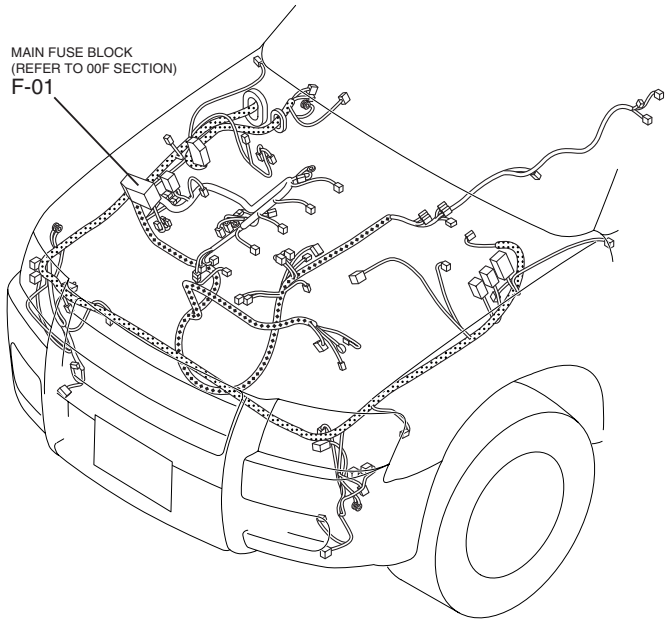


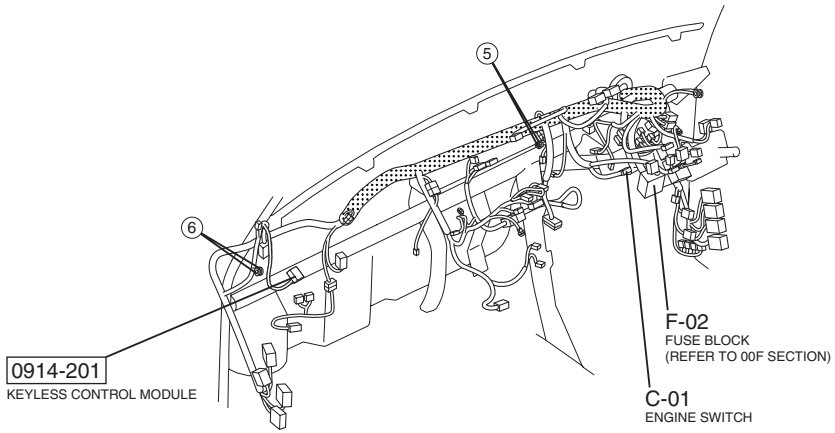
0914-201 KEYLESS CONTROL MODULE (F)



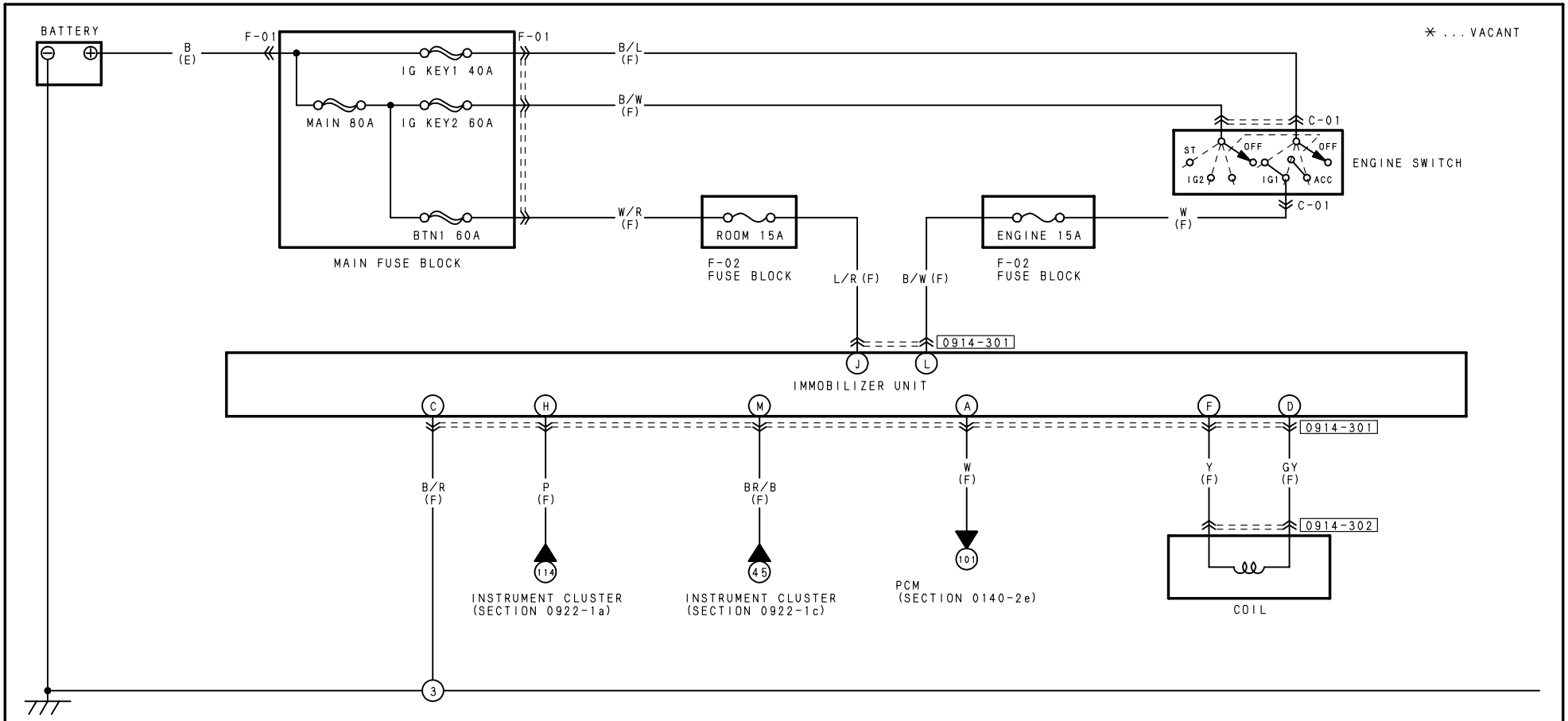
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HARNESS SYMBOL: (F) (E) (R)

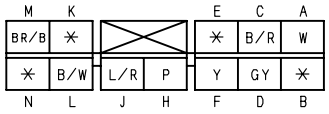




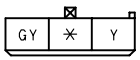
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0914-301 IMMOBILIZER UNIT(F)

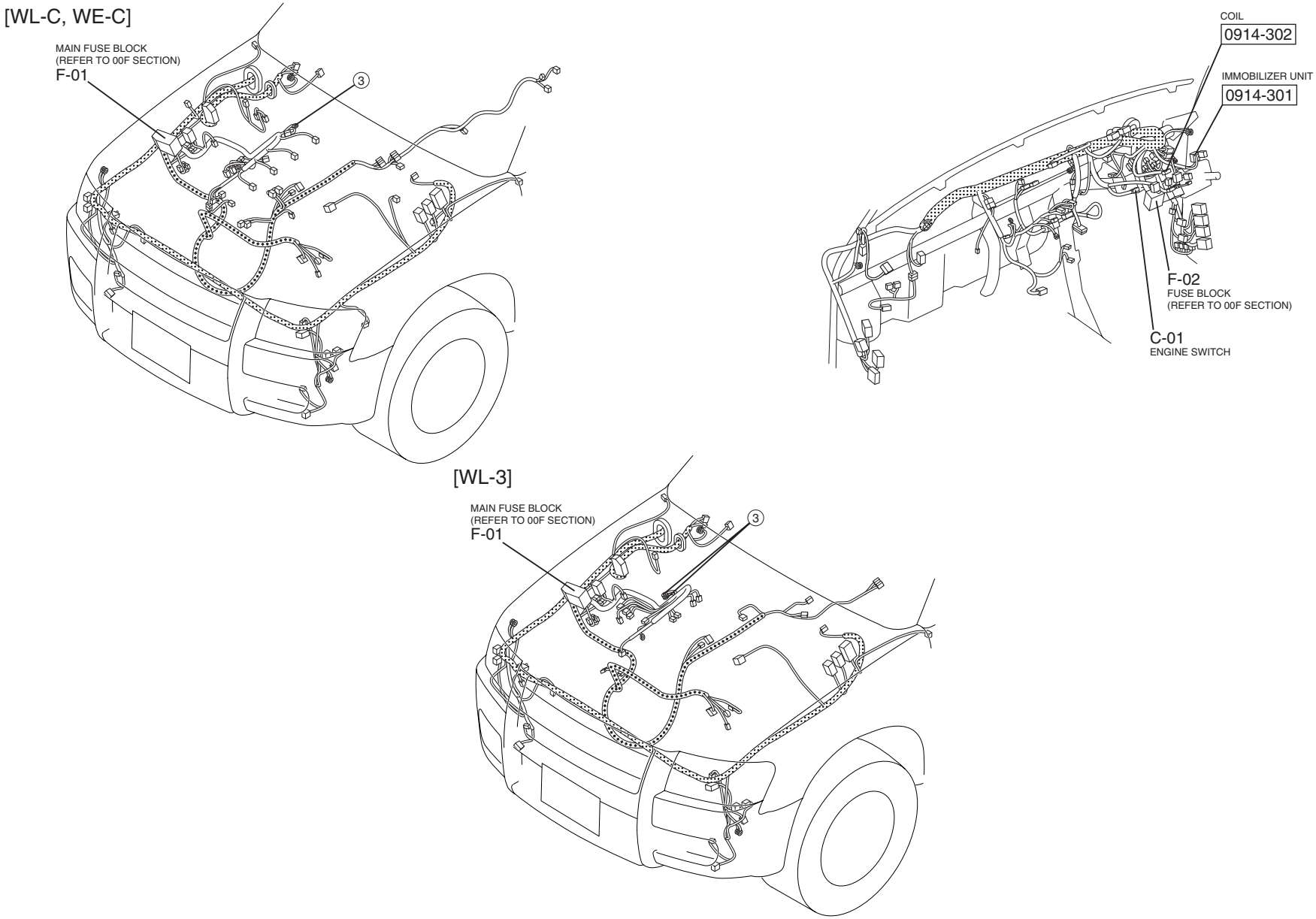


0914-302 COIL(F)

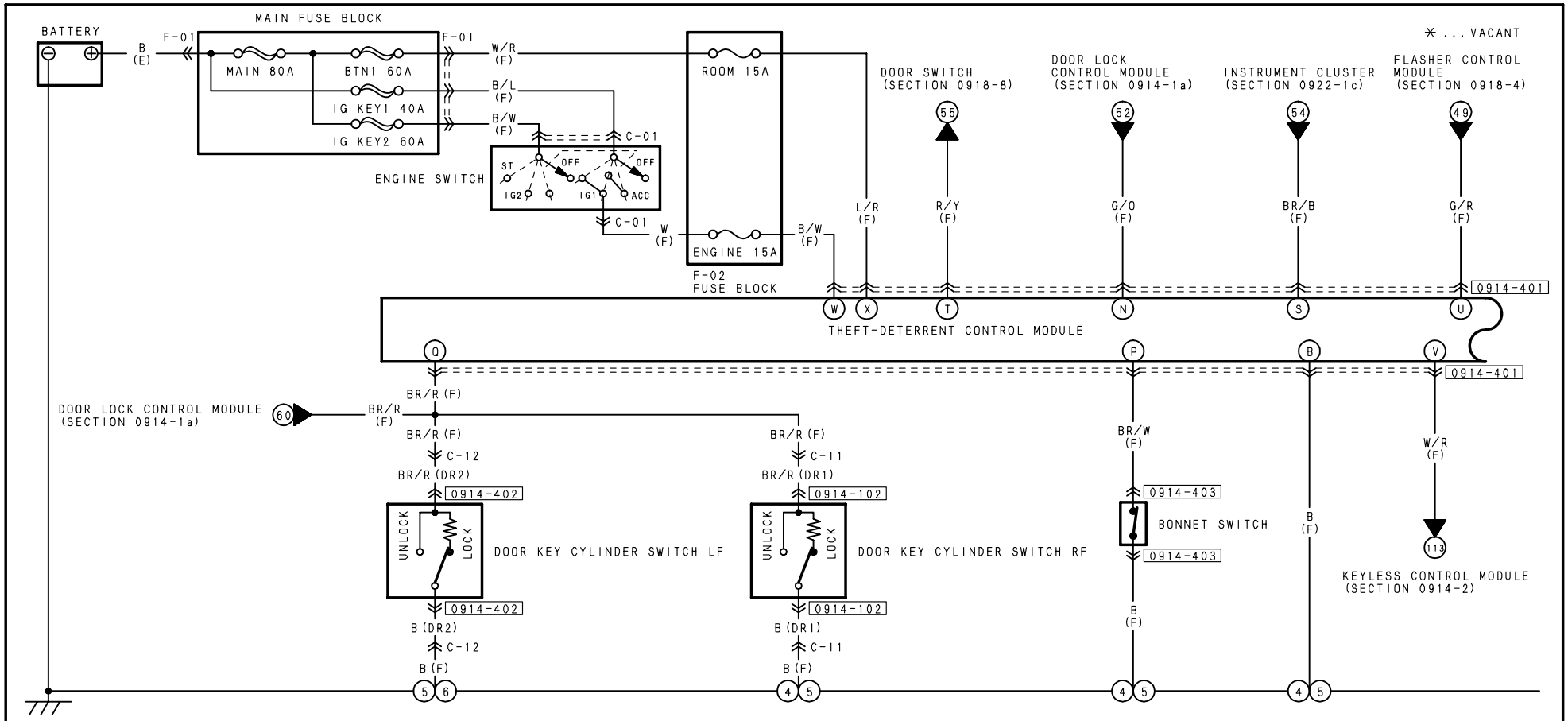


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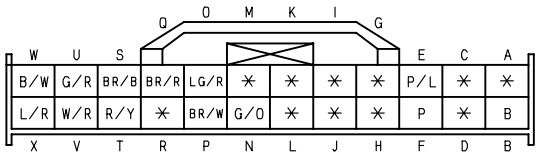
HARNESS SYMBOL: (F) (E) (R)



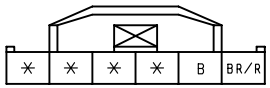
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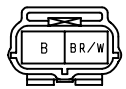
0914-401 THEFT-DETERRENT CONTROL MODULE (F)



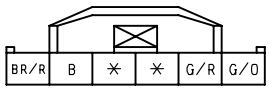
0914-402 DOOR KEY CYLINDER SWITCH LF (DR2)



0914-403 BONNET SWITCH (F)

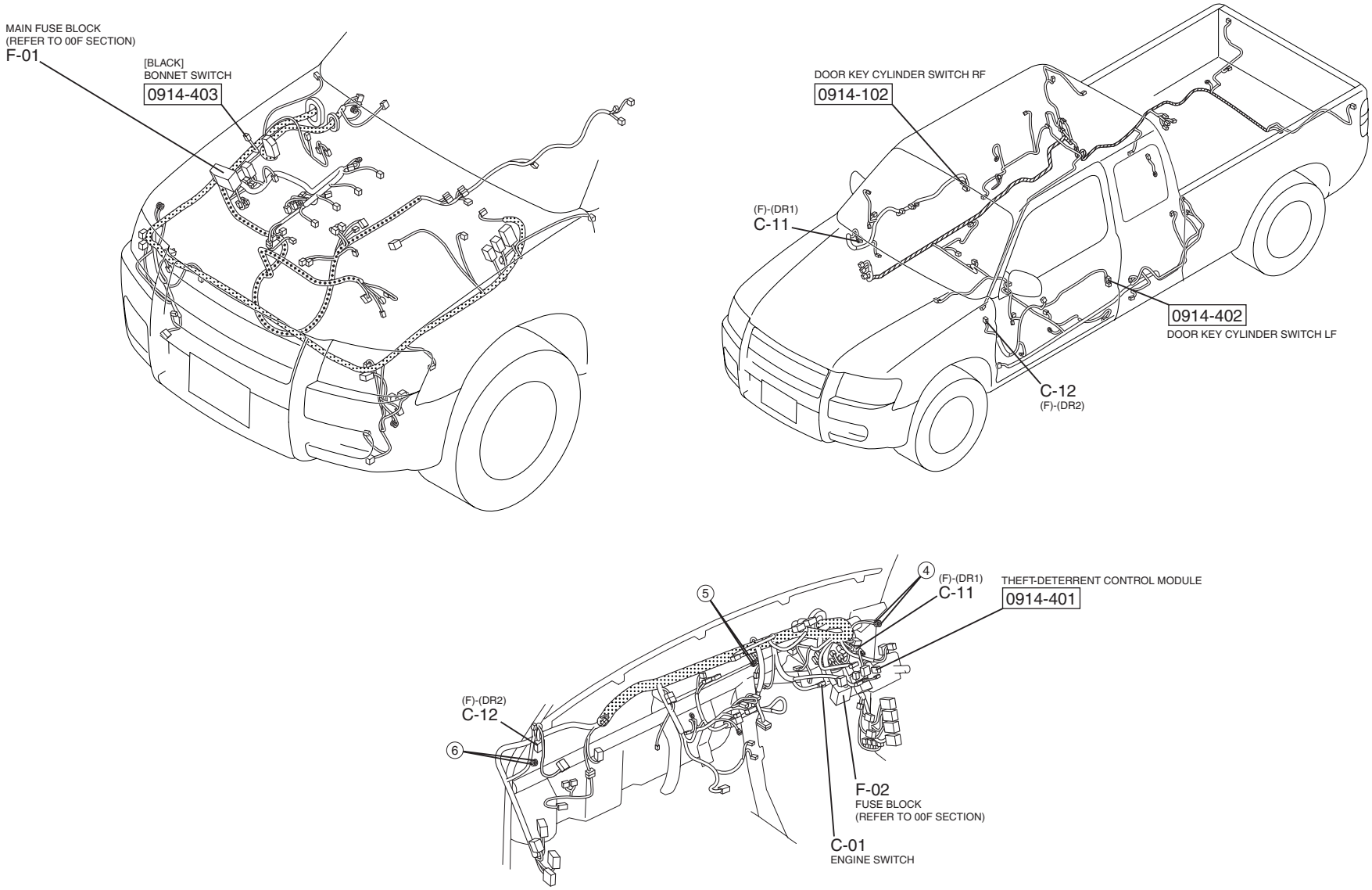


0914-102 DOOR KEY CYLINDER SWITCH RF (DR1)

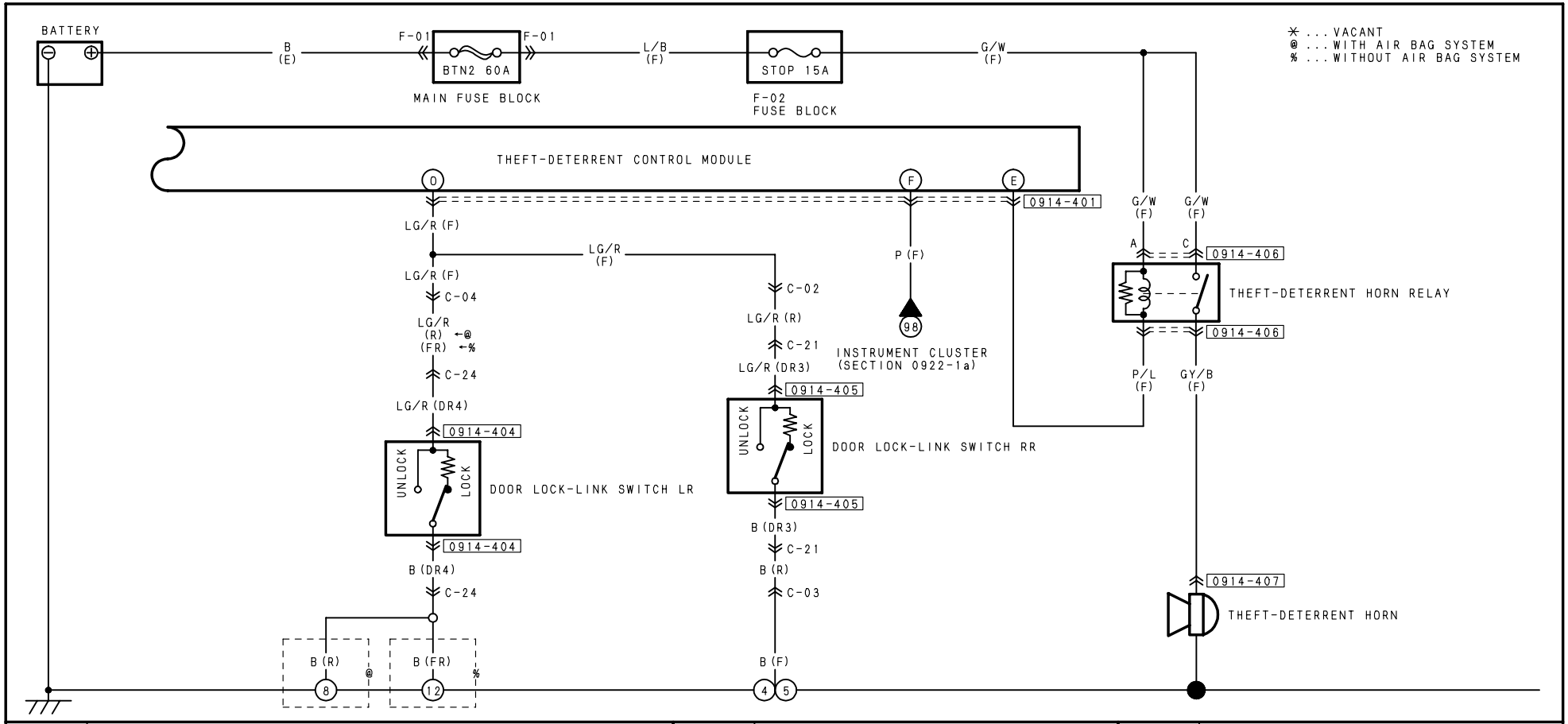


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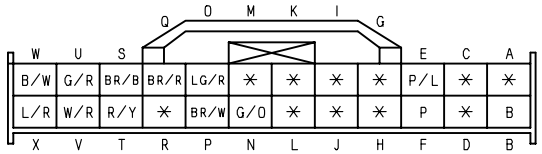
HARNESS SYMBOL: (F) (E) (R)



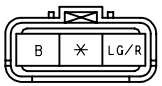
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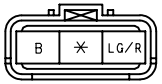
0914-401 THEFT-DETERRENT CONTROL MODULE (F)



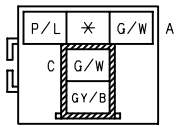
0914-404 DOOR LOCK-LINK SWITCH LR (DR4)



0914-405 DOOR LOCK-LINK SWITCH RR (DR3)



0914-406 THEFT-DETERRENT HORN RELAY (F)

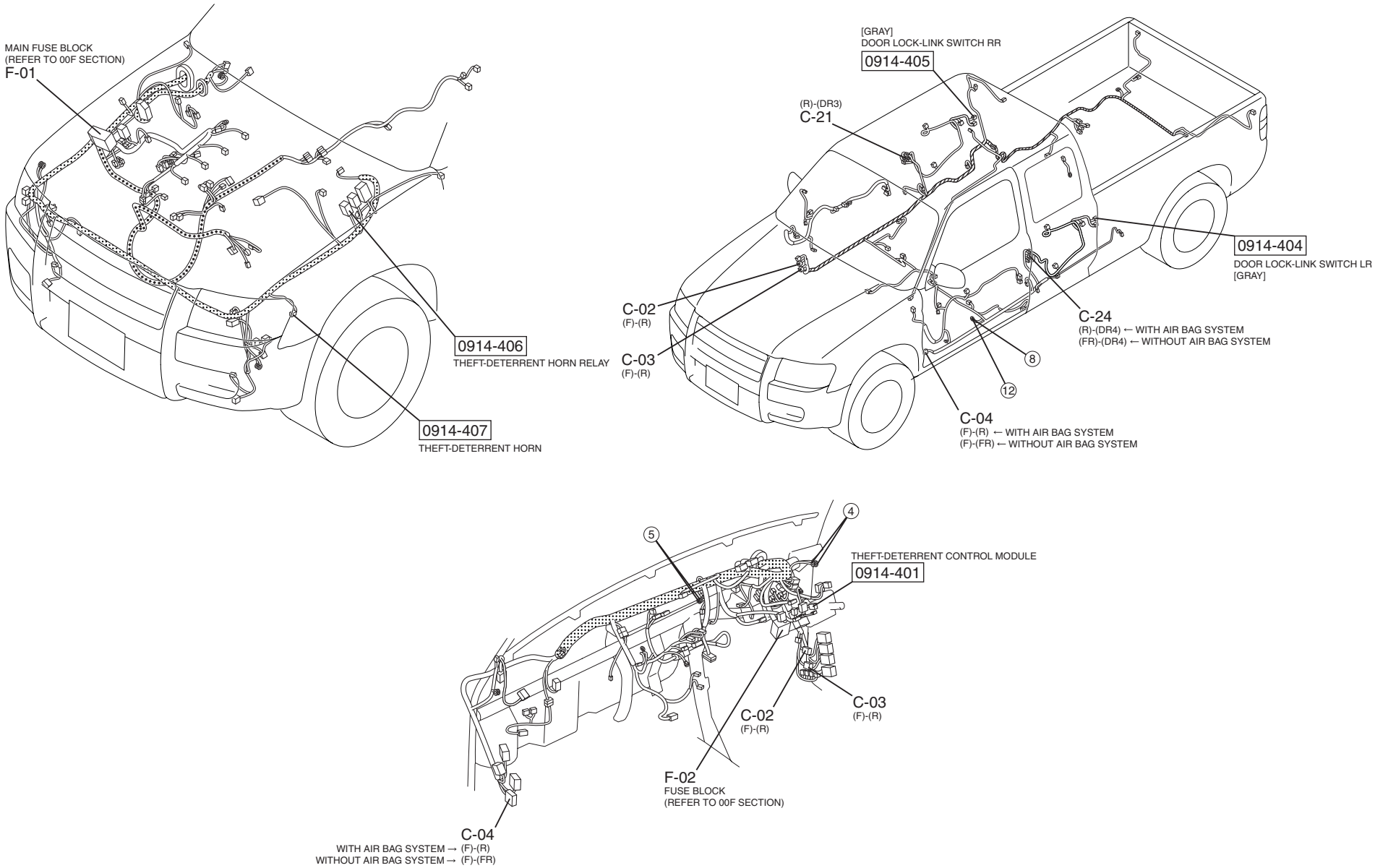


0914-407 THEFT-DETERRENT HORN (F)



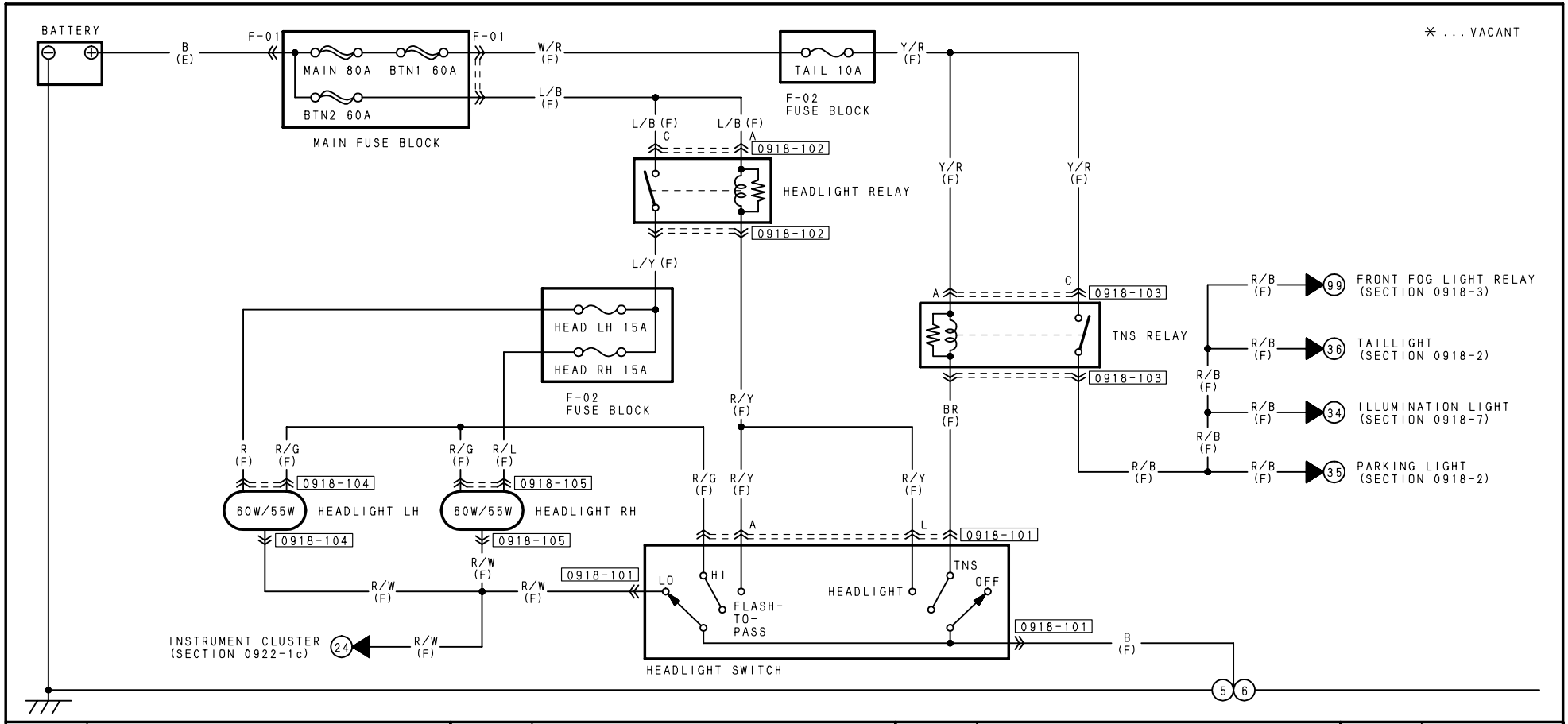
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HARNESS SYMBOL: (F) (E) (R)

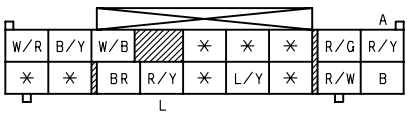


87

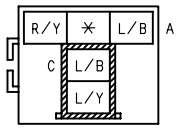
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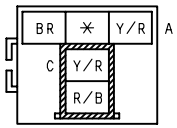
0918-101 HEADLIGHT SWITCH (F)



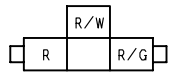
0918-102 HEADLIGHT RELAY (F)



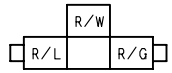
0918-103 TNS RELAY (F)



0918-104 HEADLIGHT LH (F)

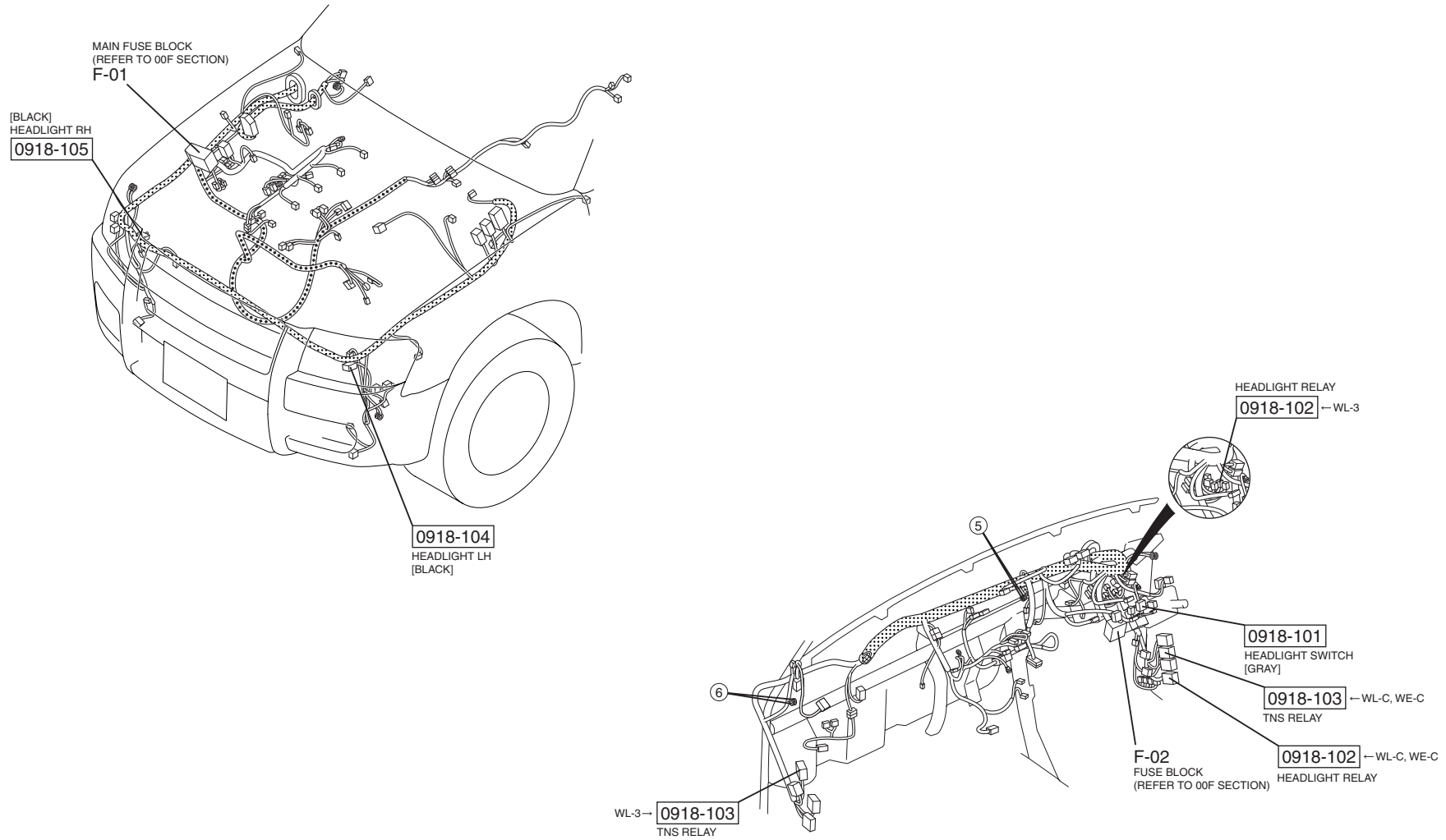


0918-105 HEADLIGHT RH (F)

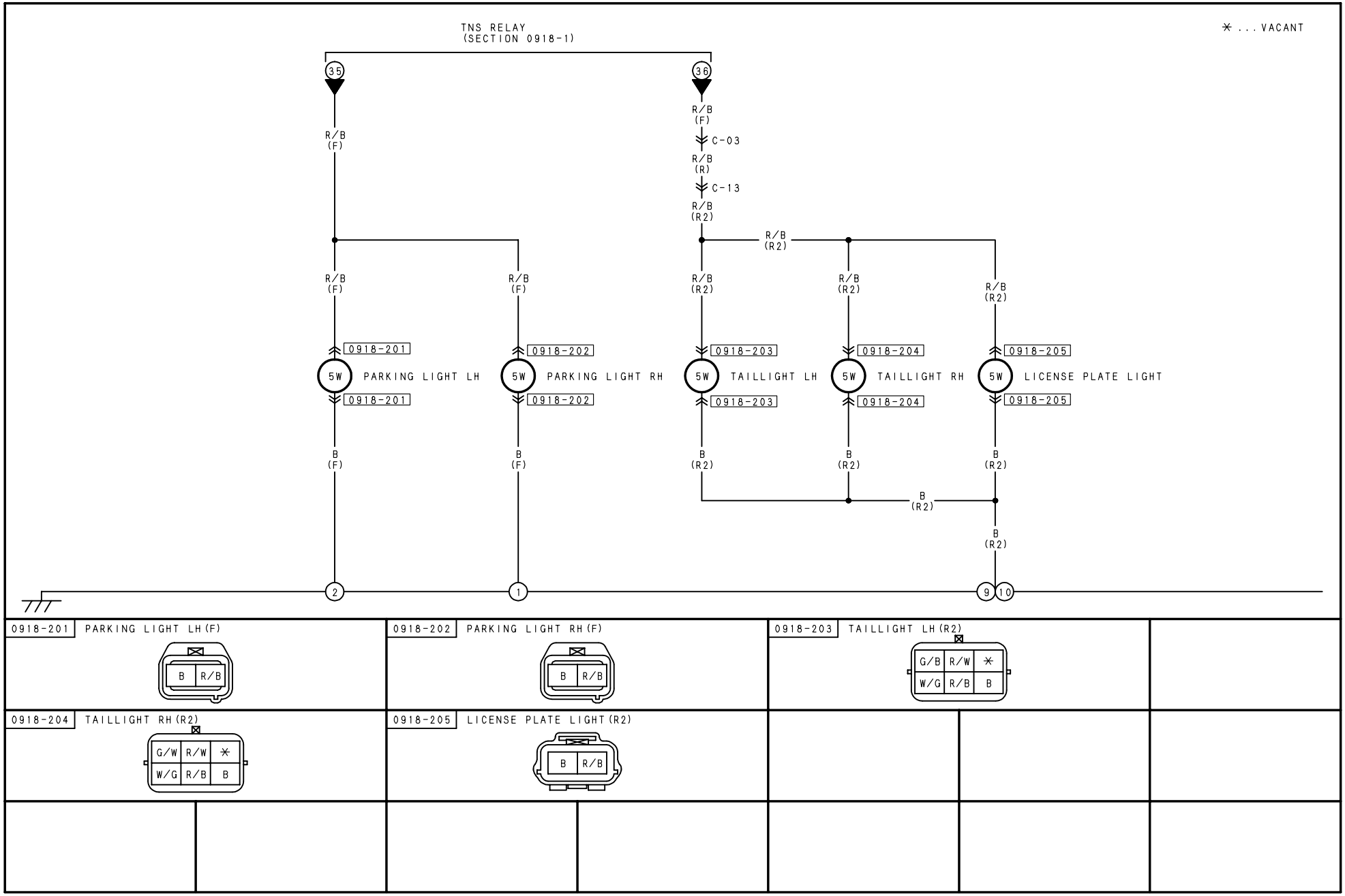


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HARNESS SYMBOL: (F) (E) (R)

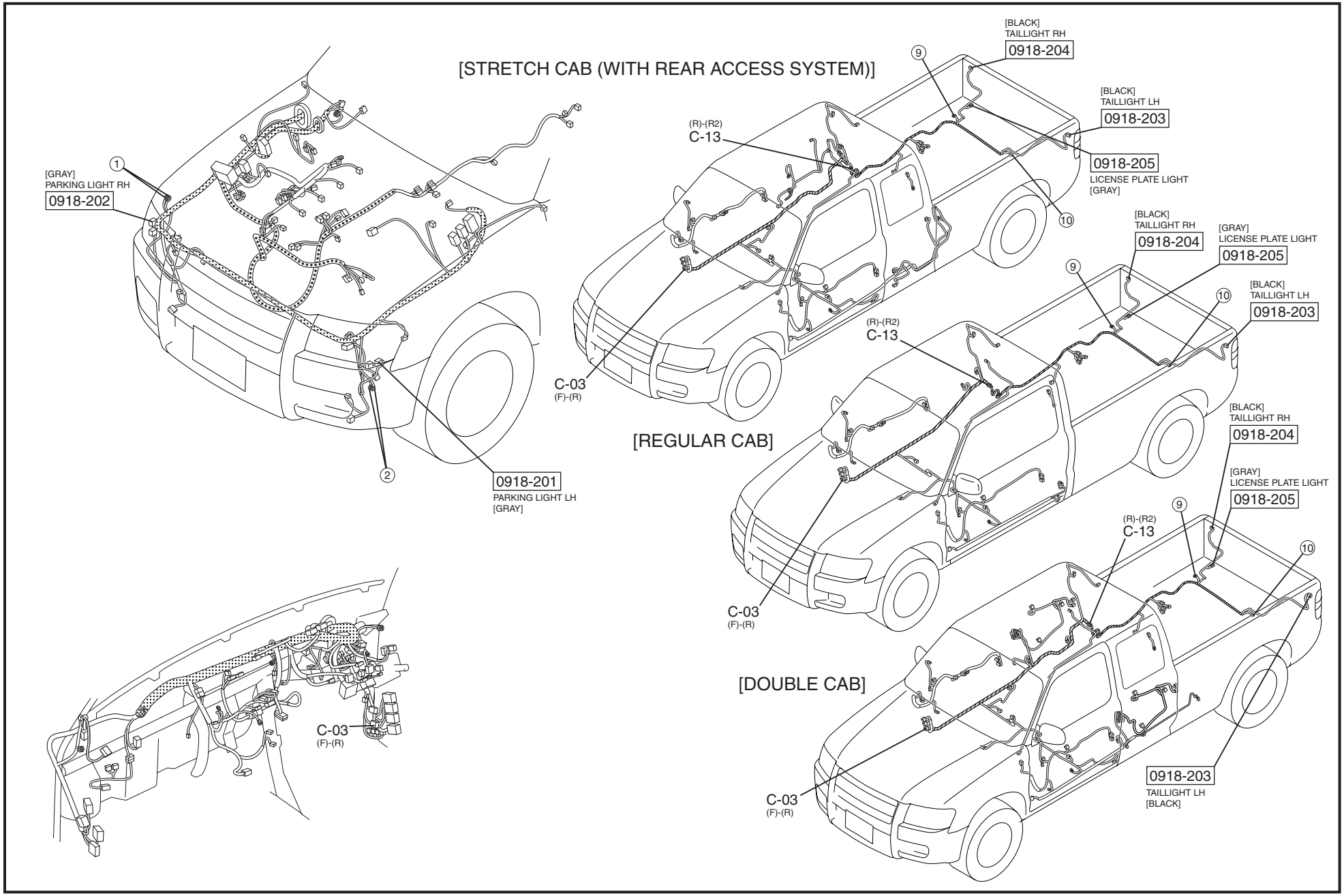


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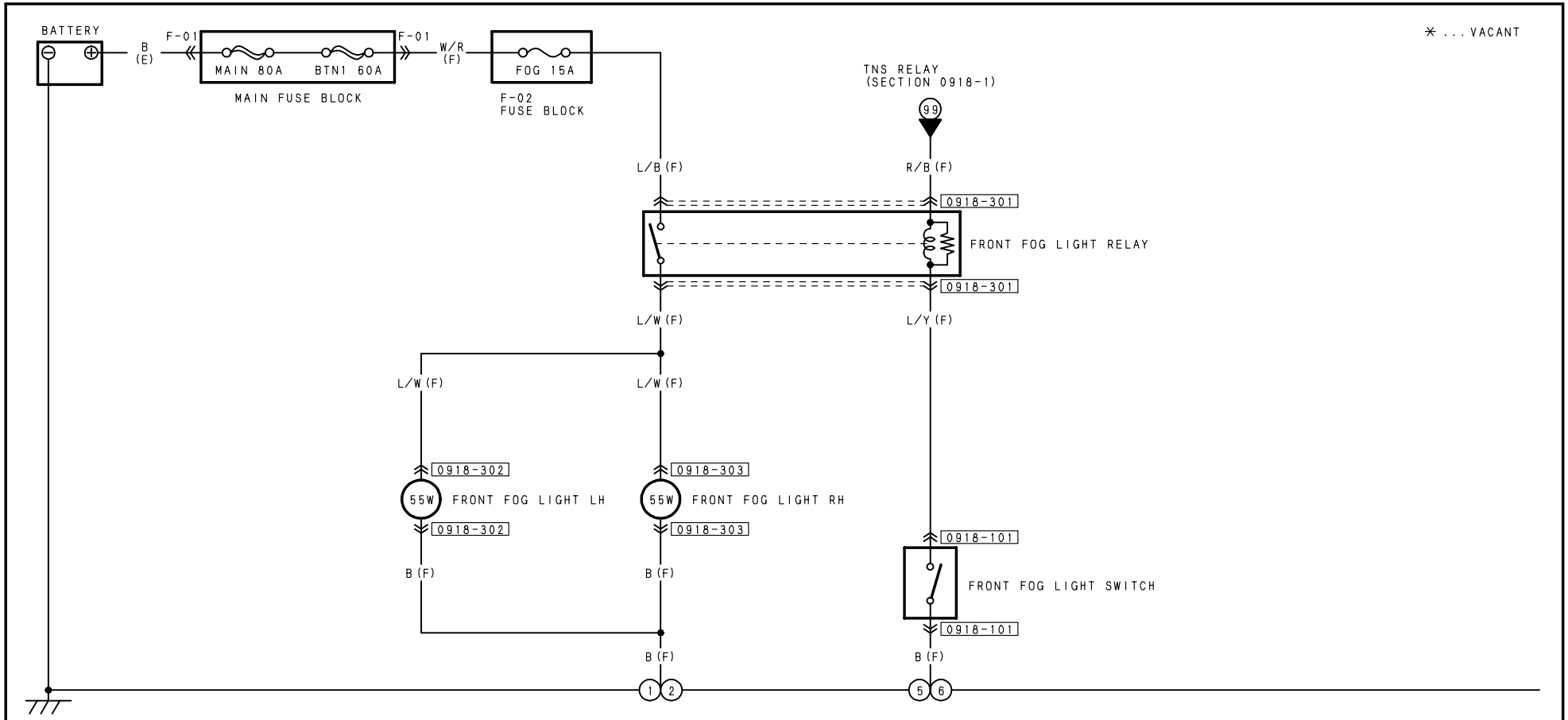


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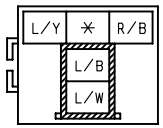
HARNESS SYMBOL: (F) (E) (R)



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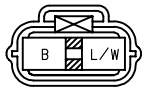
0918-301 FRONT FOG LIGHT RELAY (F)



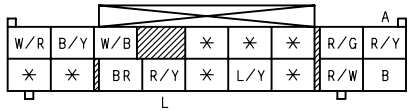
0918-302 FRONT FOG LIGHT LH (F)



0918-303 FRONT FOG LIGHT RH (F)

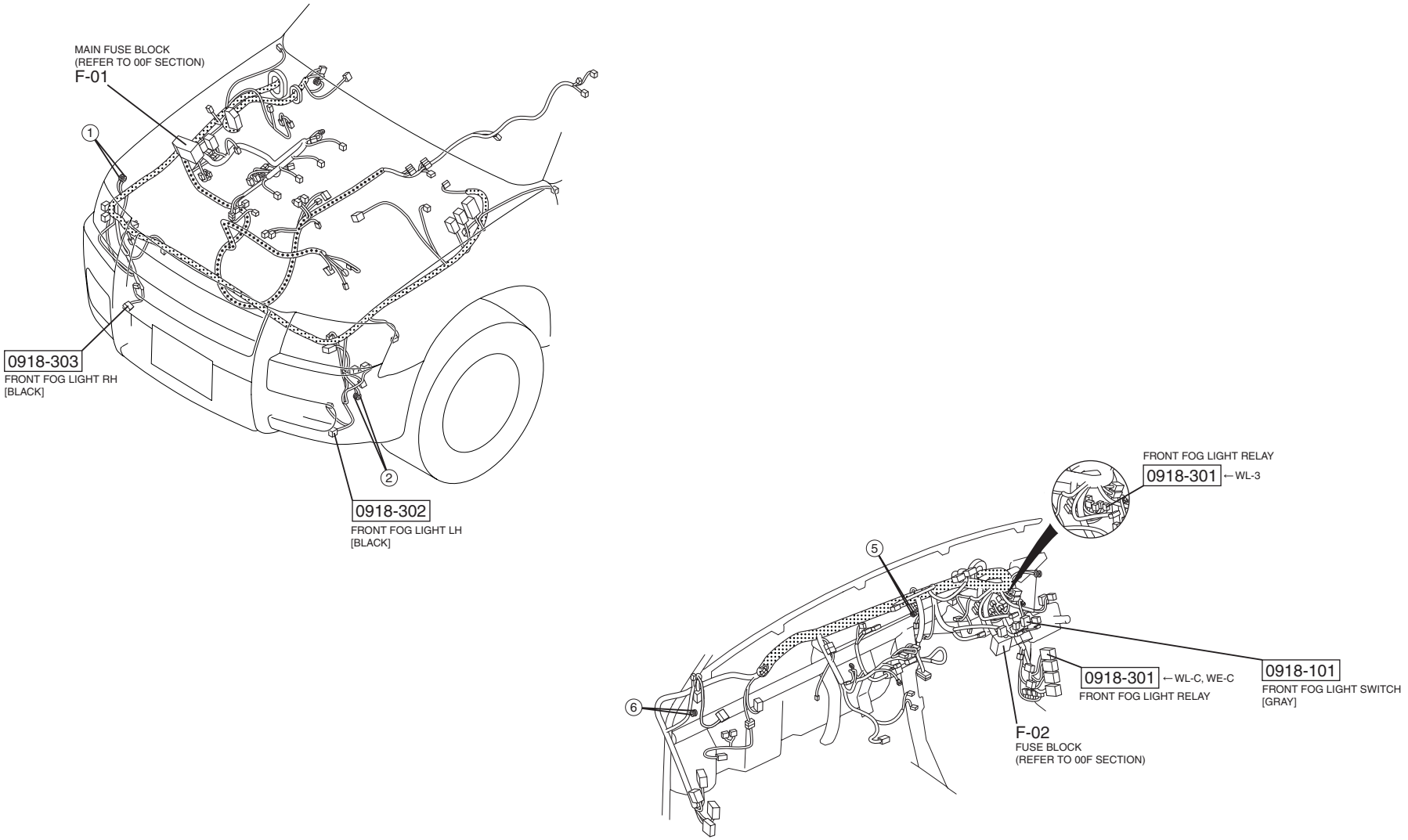


0918-101 FRONT FOG LIGHT SWITCH (F)

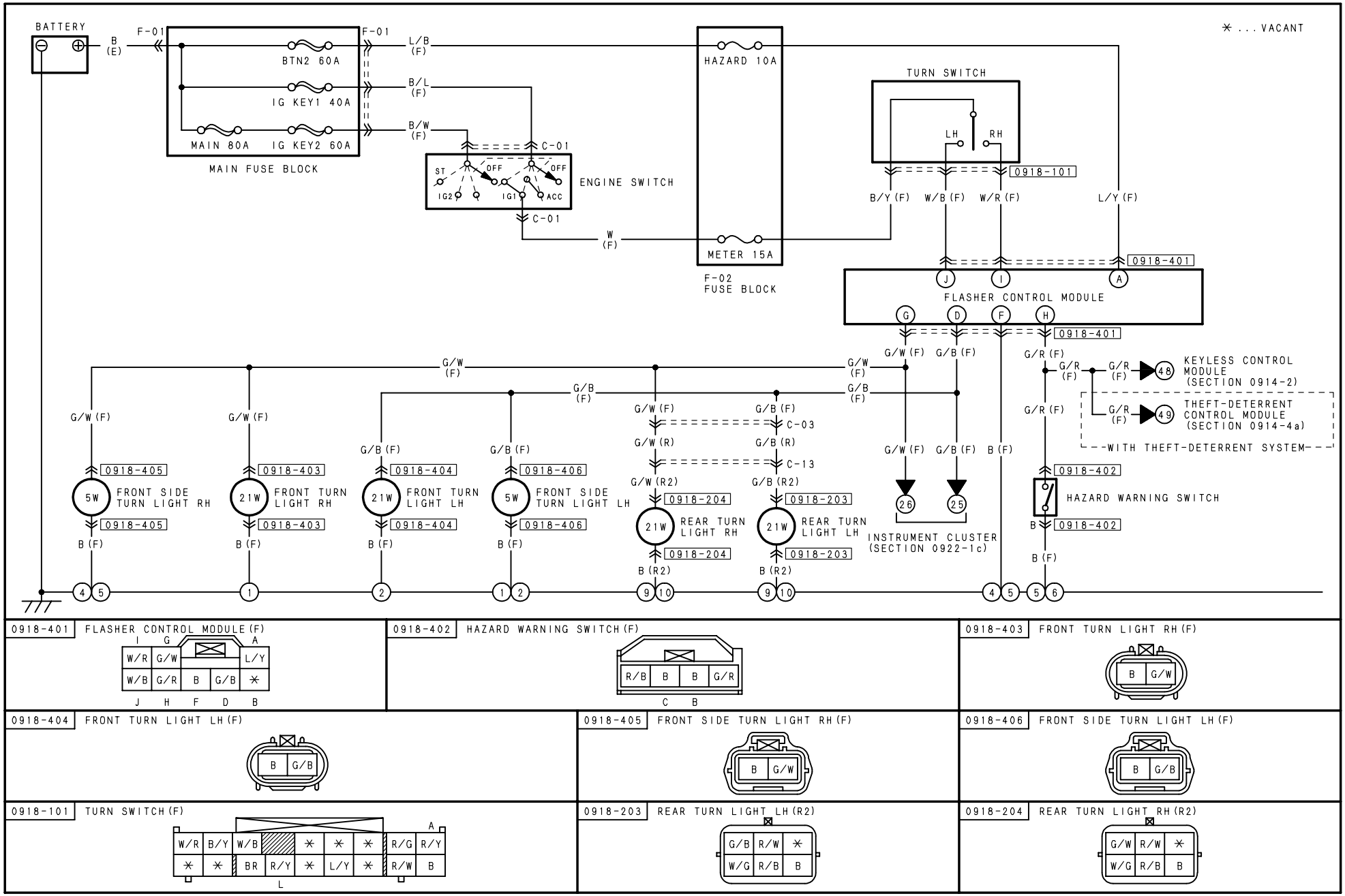


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HARNESS SYMBOL: (F) (E) (R)

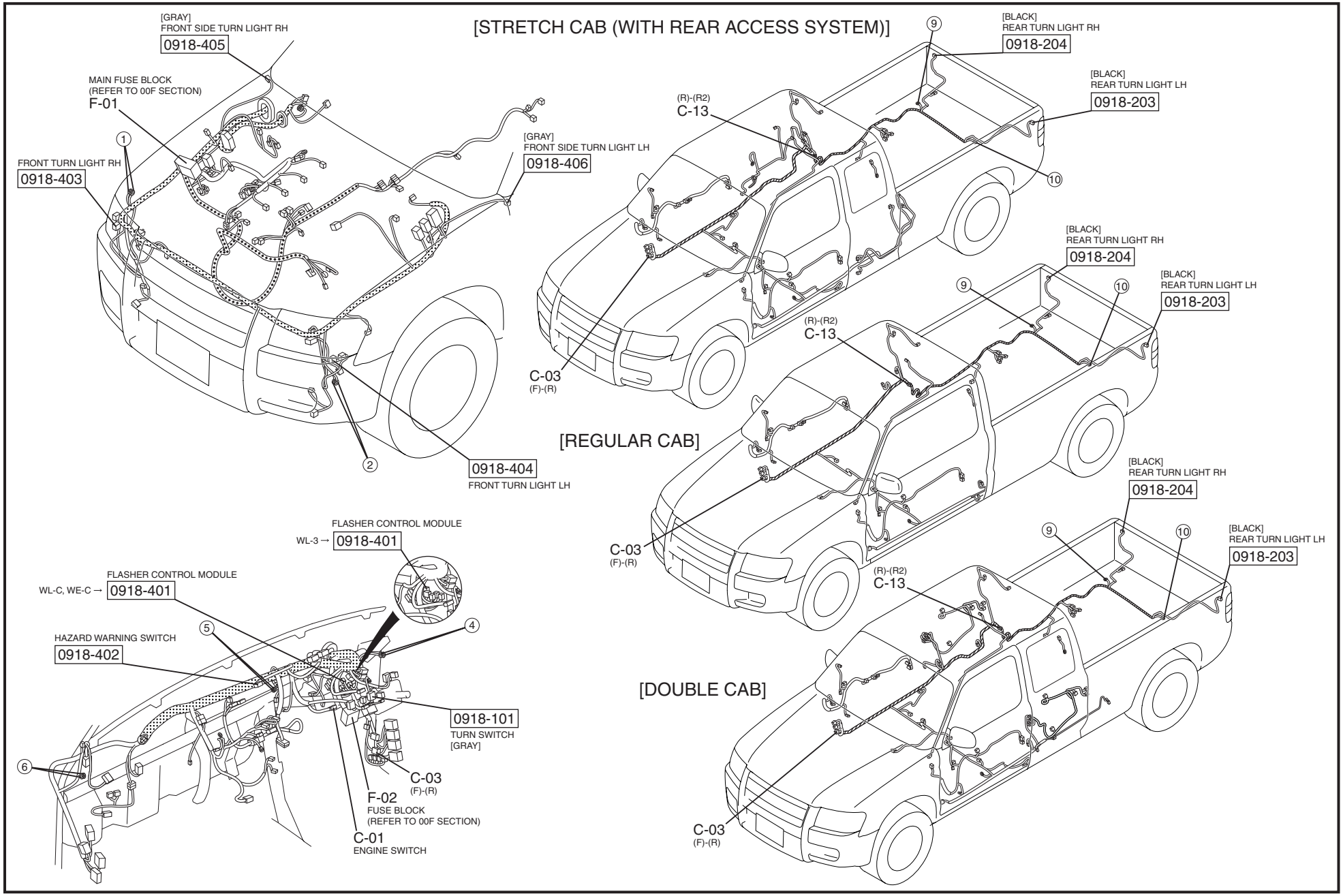


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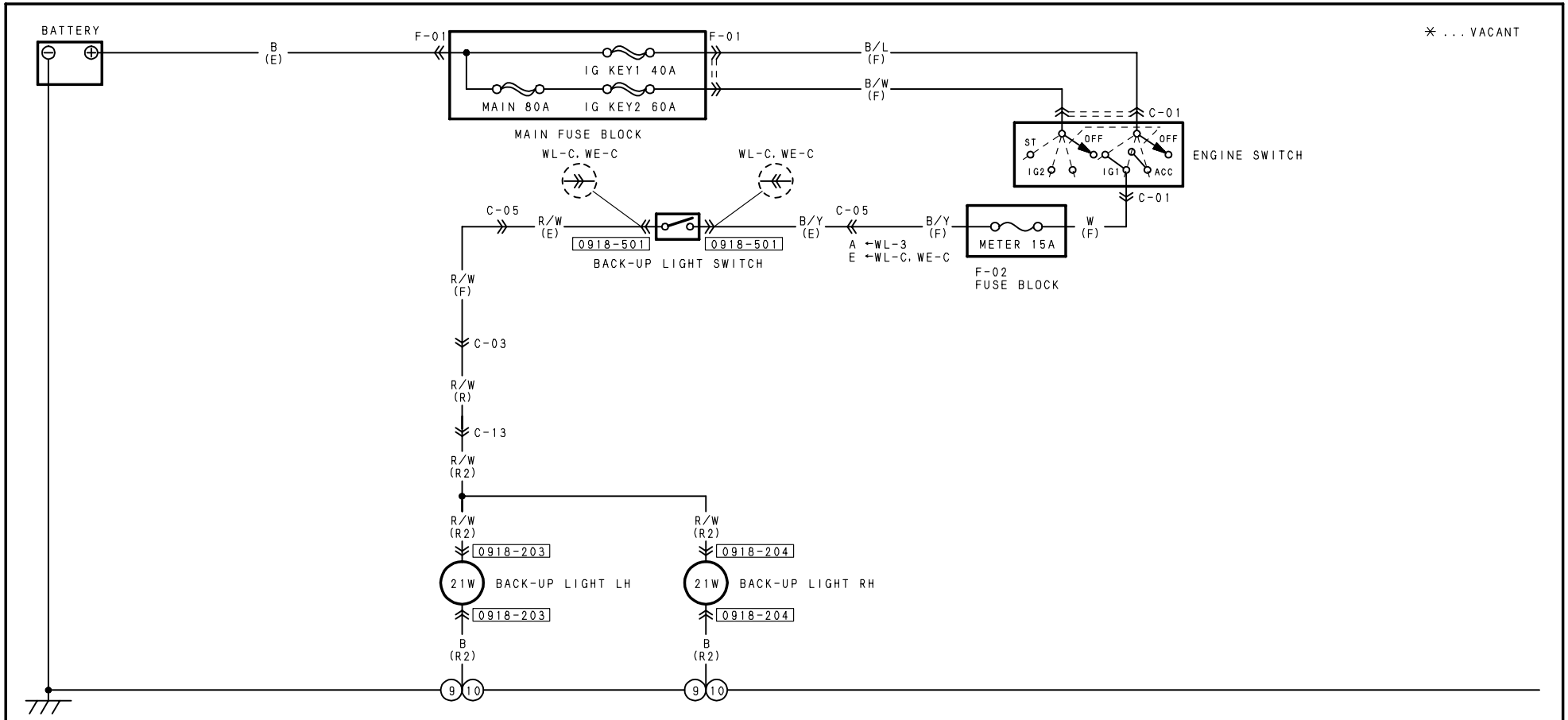


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HARNESS SYMBOL: (F) (E) (R)



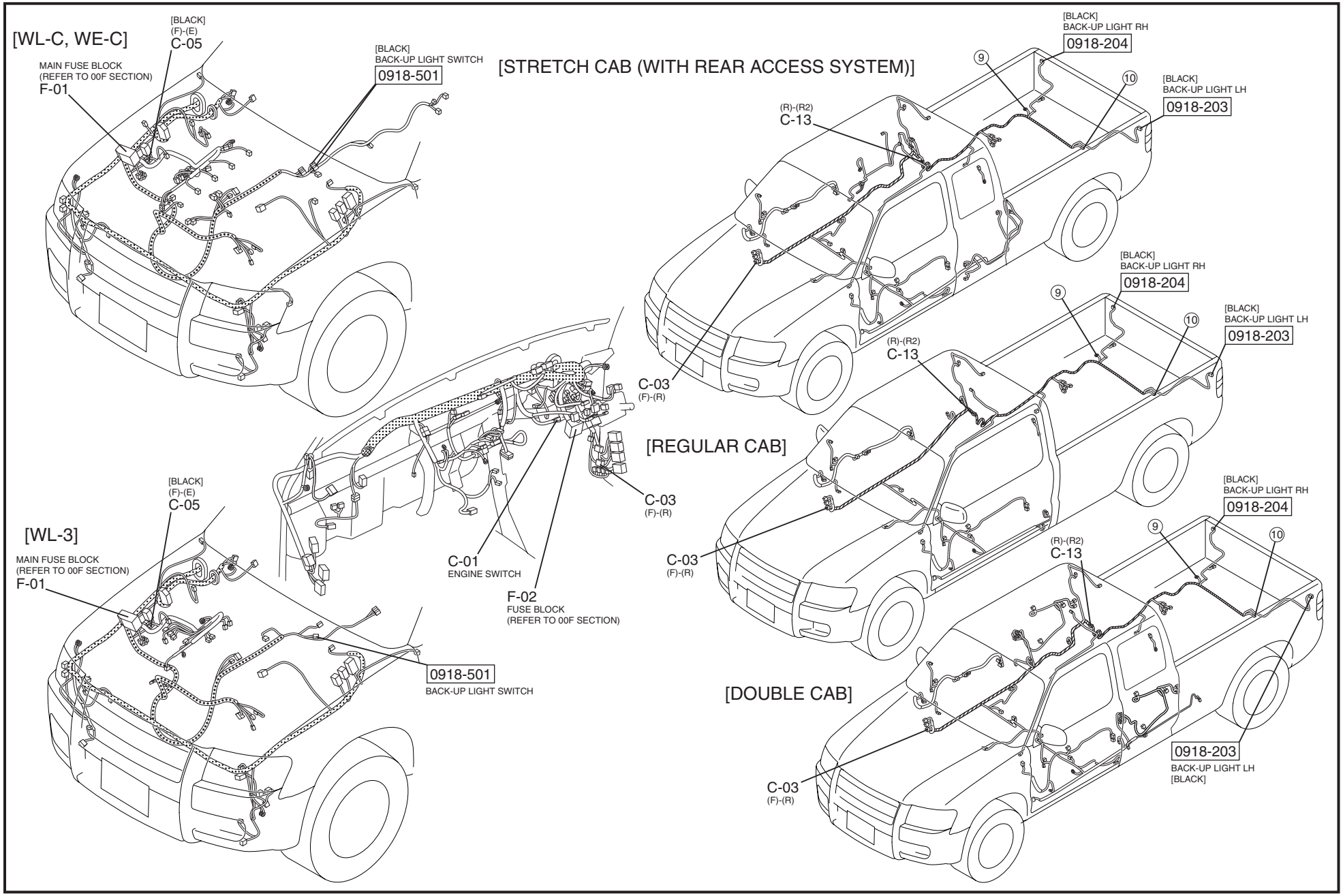
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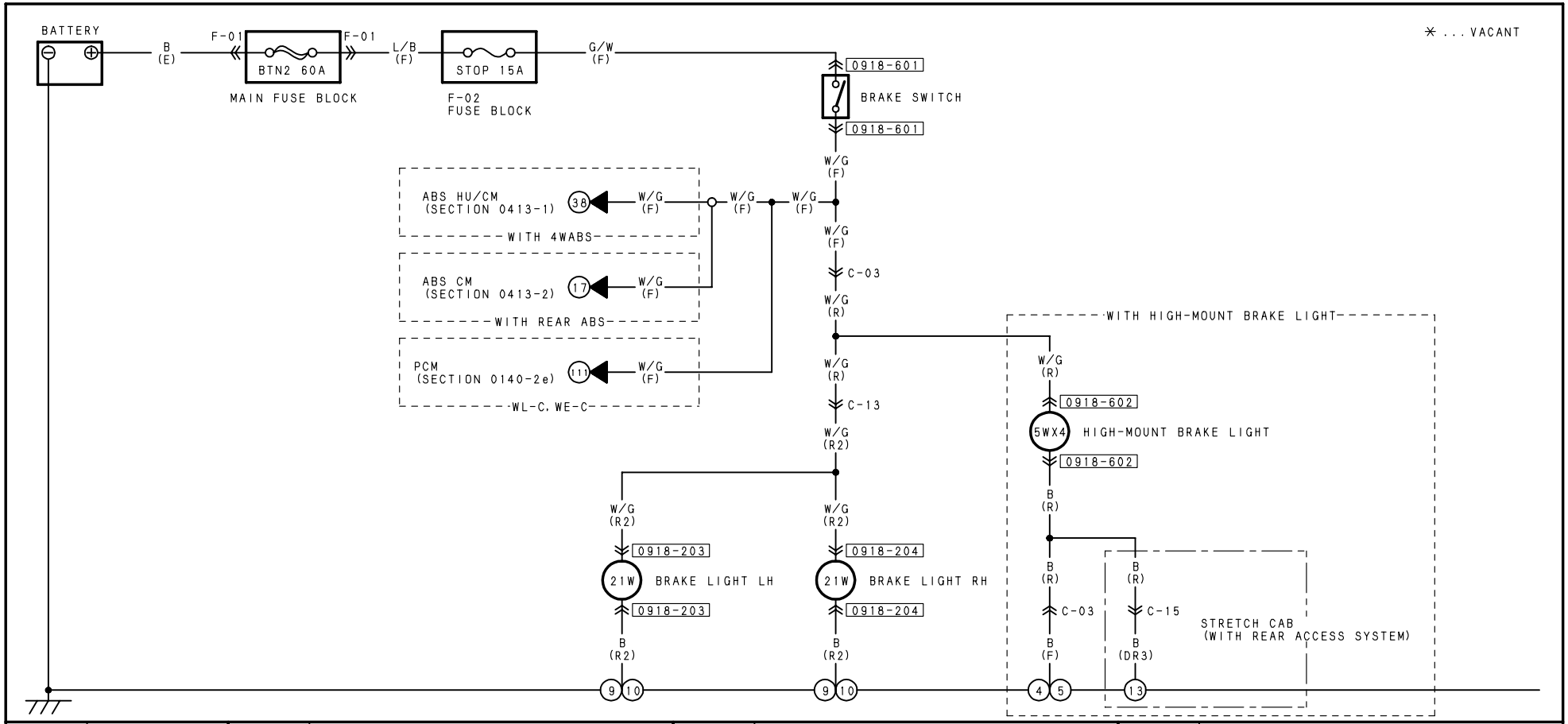
0918-501 BACK-UP LIGHT SWITCH (E)		0918-203 BACK-UP LIGHT LH (R2)		0918-204 BACK-UP LIGHT RH (R2)		
WL-3	WL-C, WE-C					
B/Y R/W	B/Y R/W	G/B R/W ✳ W/G R/B B		G/W R/W ✳ W/G R/B B		

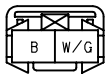
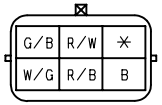
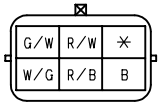
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HARNESS SYMBOL: (F) (E) (R)



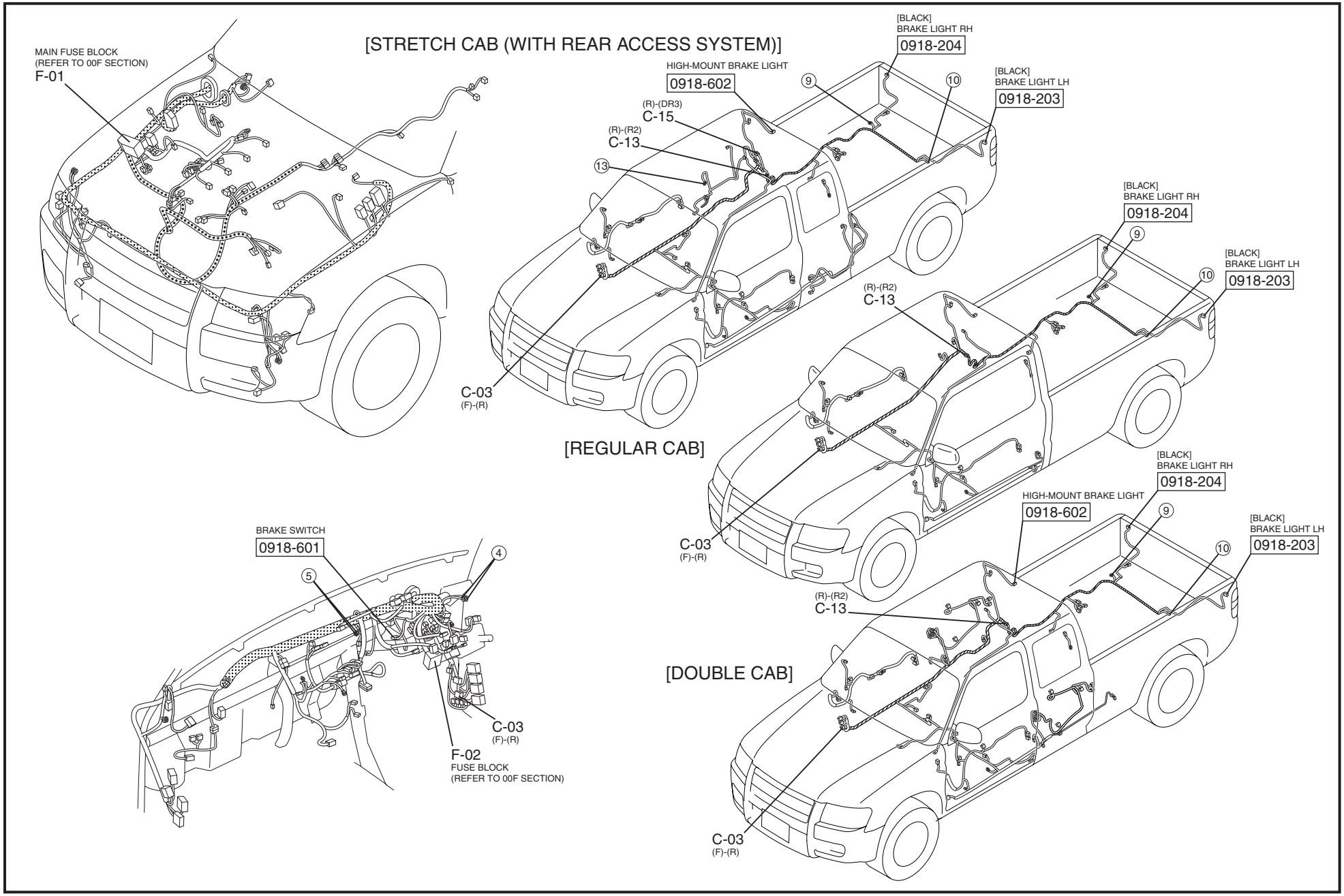
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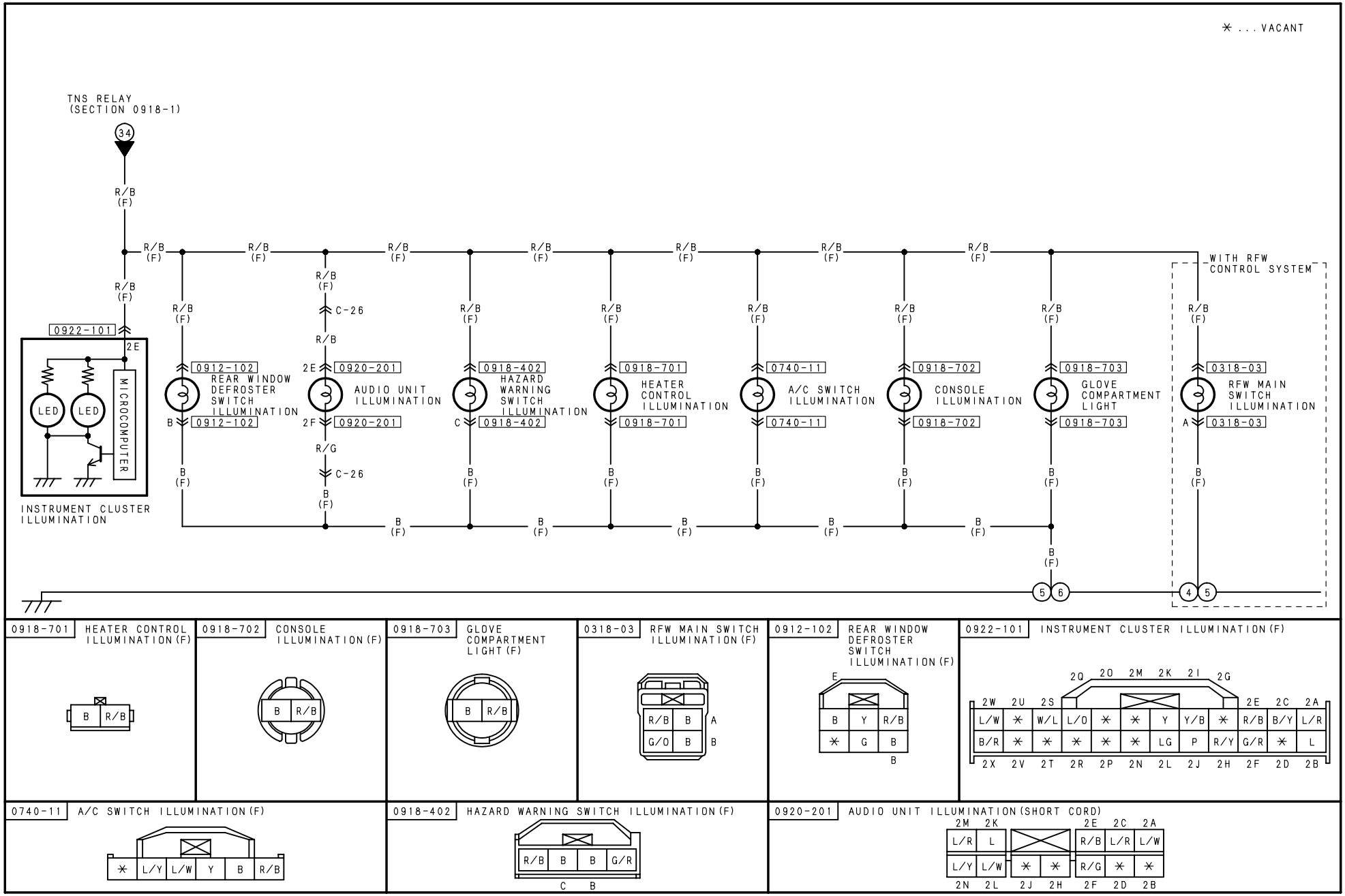
0918-601 BRAKE SWITCH (F)	0918-602 HIGH-MOUNT BRAKE LIGHT (R)	0918-203 BRAKE LIGHT LH (R2)	0918-204 BRAKE LIGHT RH (R2)
			

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HARNESS SYMBOL: (F) (E) (R)

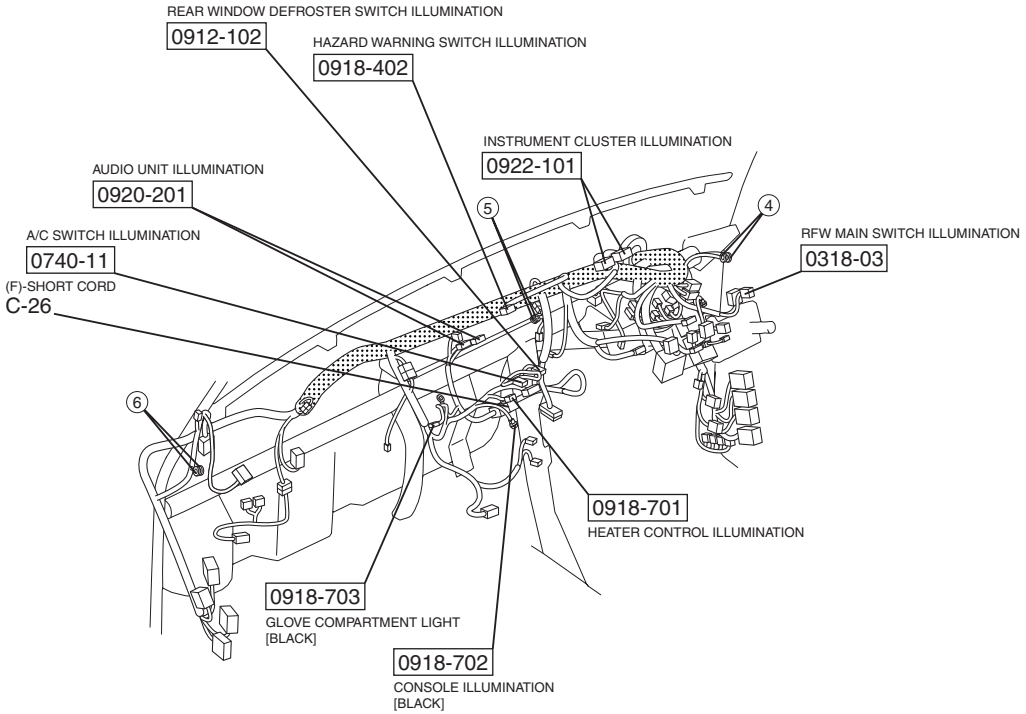


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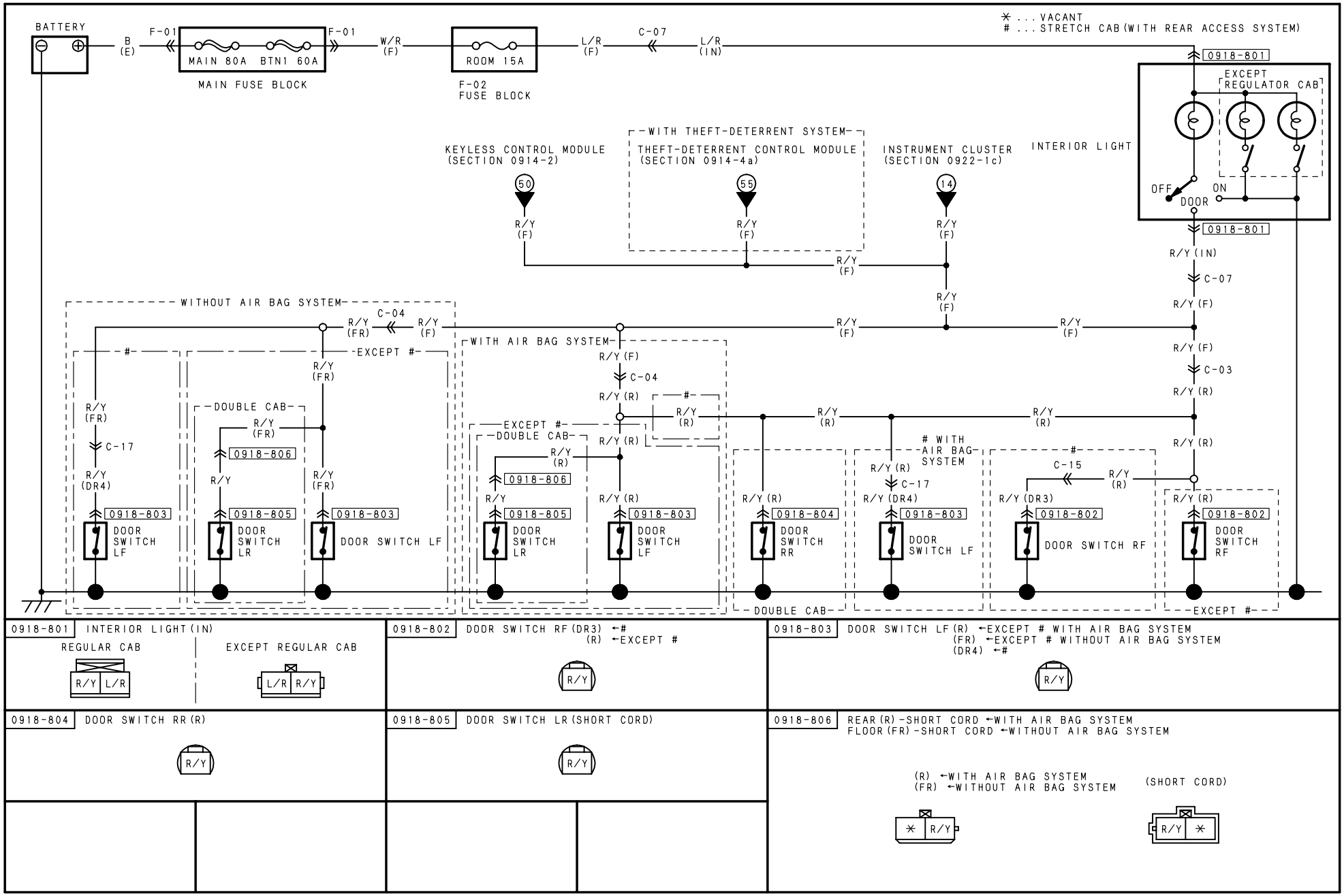
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HARNESS SYMBOL: (F) (E) (R)



101

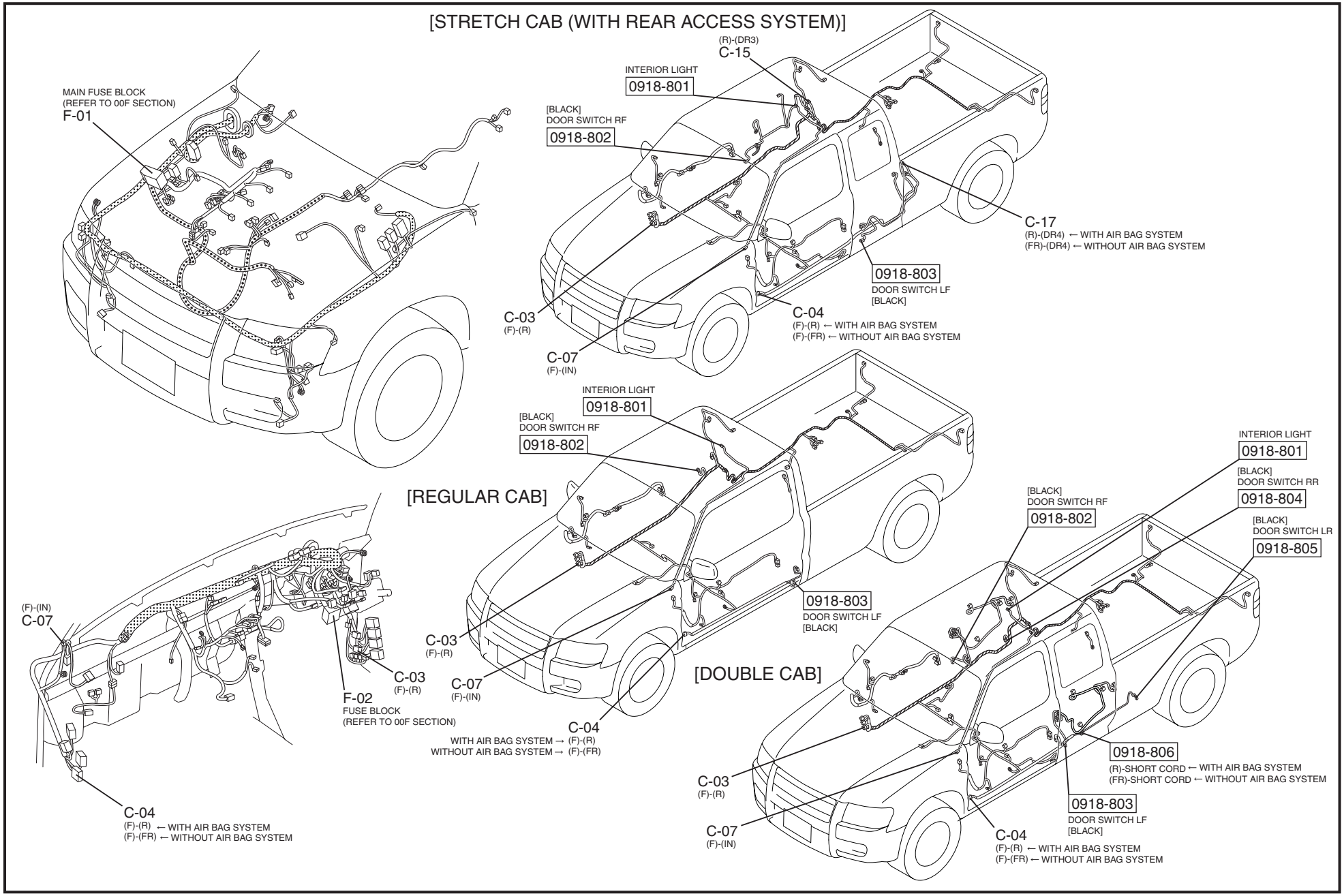
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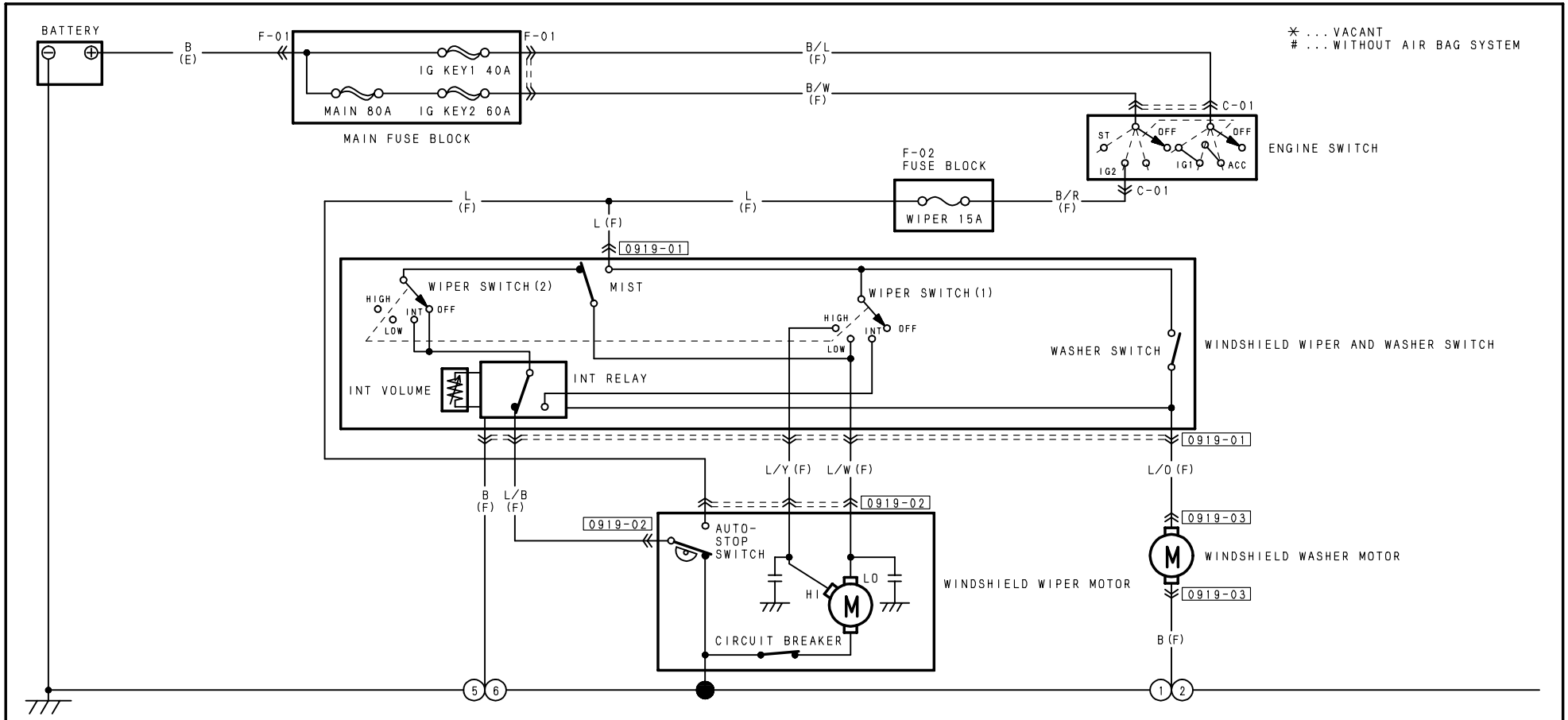
0918-801 INTERIOR LIGHT (IN) REGULAR CAB: R/Y | L/R EXCEPT REGULAR CAB: L/R | R/Y	0918-802 DOOR SWITCH RF (DR3) ←# (R) ←EXCEPT #	0918-803 DOOR SWITCH LF (R) ←EXCEPT # WITH AIR BAG SYSTEM (FR) ←EXCEPT # WITHOUT AIR BAG SYSTEM (DR4) ←#
0918-804 DOOR SWITCH RR (R)	0918-805 DOOR SWITCH LR (SHORT CORD)	0918-806 REAR (R) -SHORT CORD ←WITH AIR BAG SYSTEM FLOOR (FR) -SHORT CORD ←WITHOUT AIR BAG SYSTEM (R) ←WITH AIR BAG SYSTEM (FR) ←WITHOUT AIR BAG SYSTEM (SHORT CORD)

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HARNESS SYMBOL: (F) (E) (R)



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✳ . . . VACANT
. . . WITHOUT AIR BAG SYSTEM

0919-01 WINDSHIELD WIPER AND WASHER SWITCH (F)

✳	L/O	⊠		✳	L/W	L/Y	✳ #G/R
✳	✳	✳	B	✳	L/B	L	✳

0919-02 WINDSHIELD WIPER MOTOR (F)

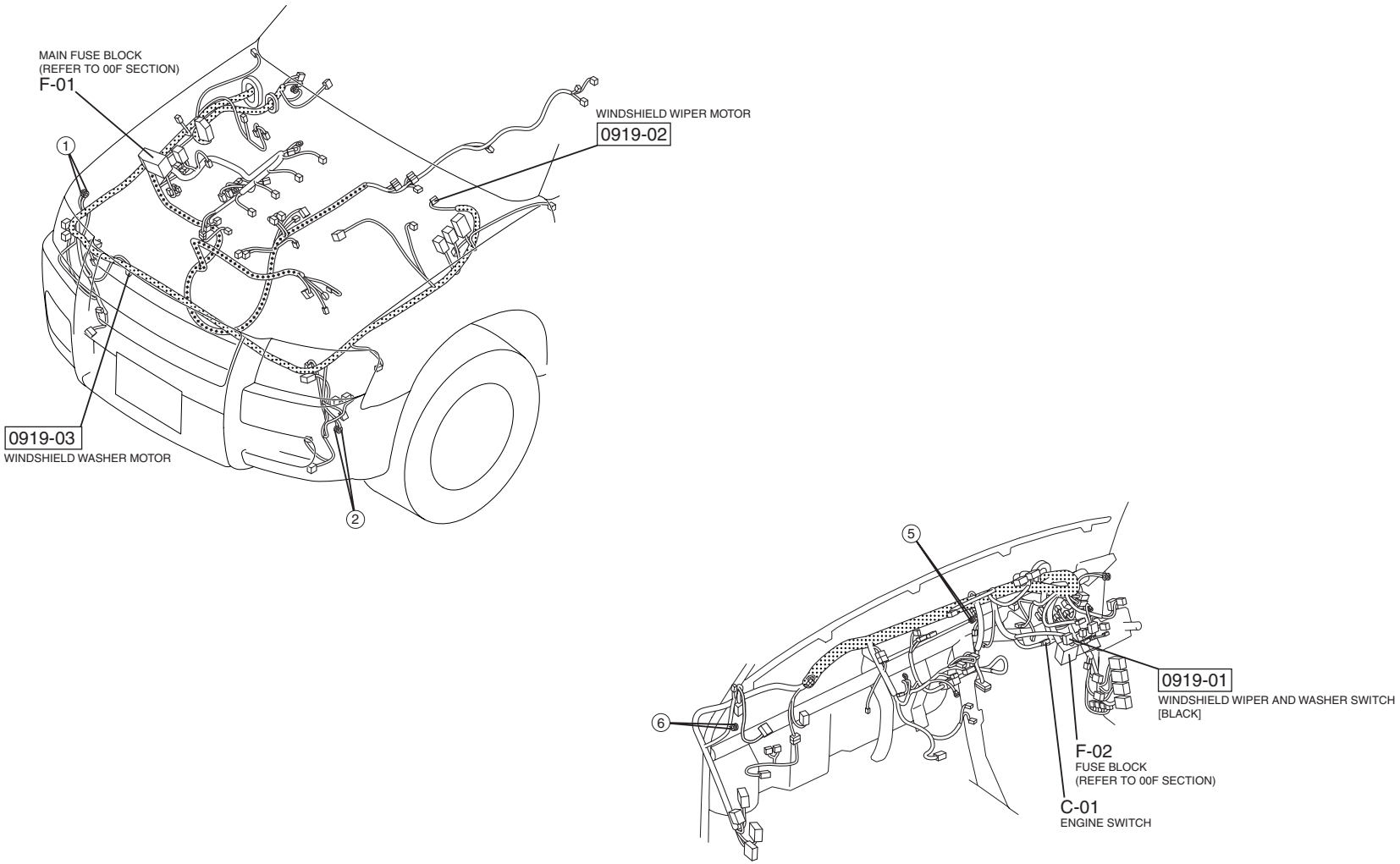
L/W	L/Y
L	L/B

0919-03 WINDSHIELD WASHER MOTOR (F)

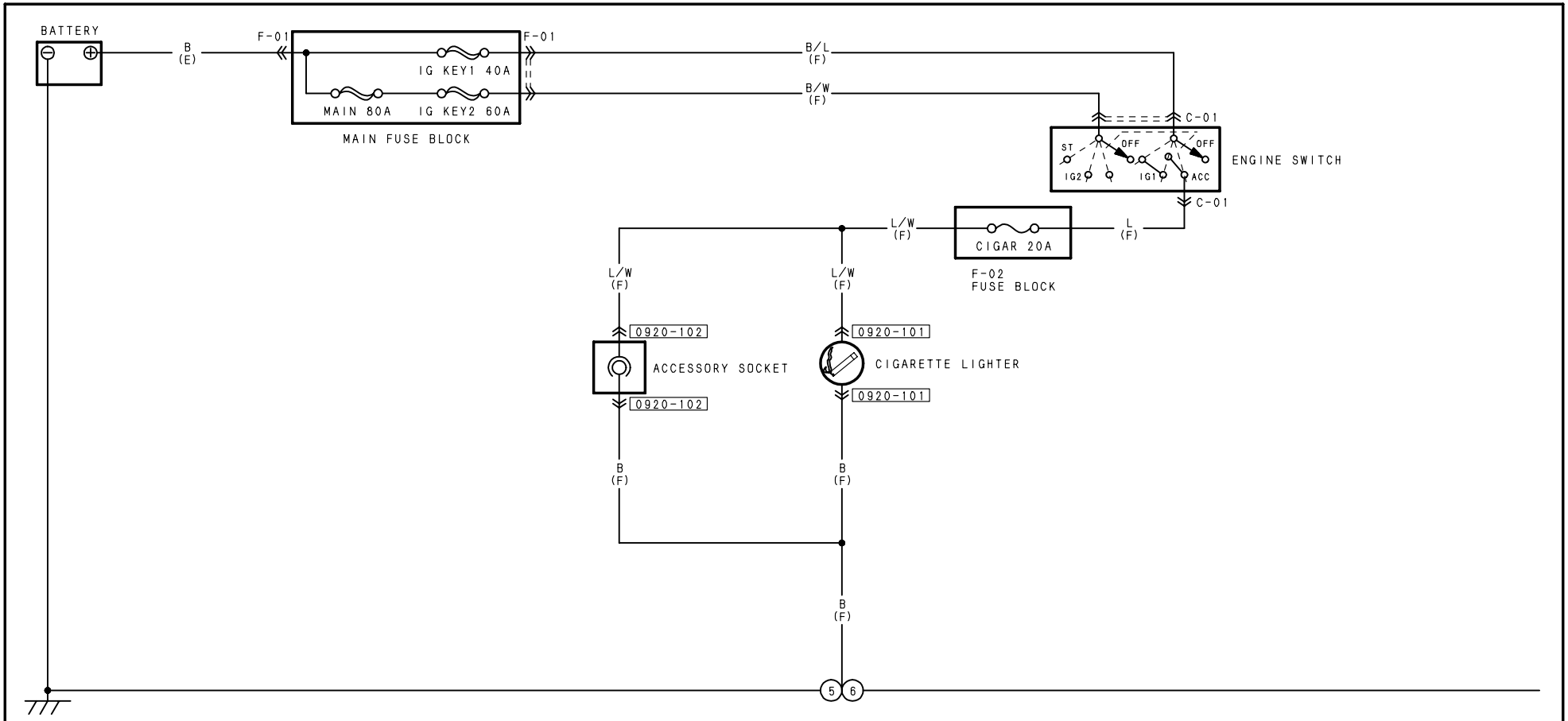
B
L/O

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HARNESS SYMBOL: (F) (E) (R)



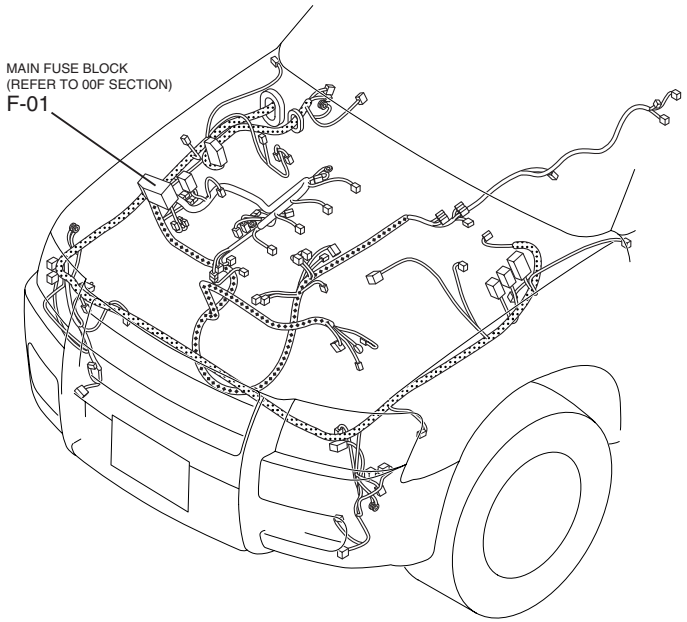
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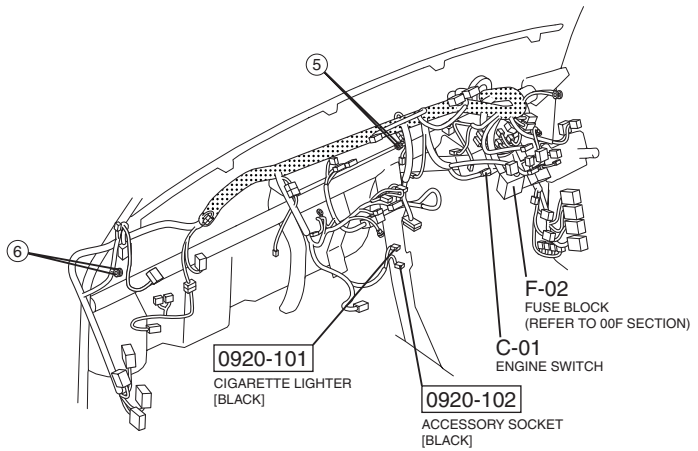


0920-101 CIGARETTE LIGHTER (F)		0920-102 ACCESSORY SOCKET (F)				
L/W B		L/W B				

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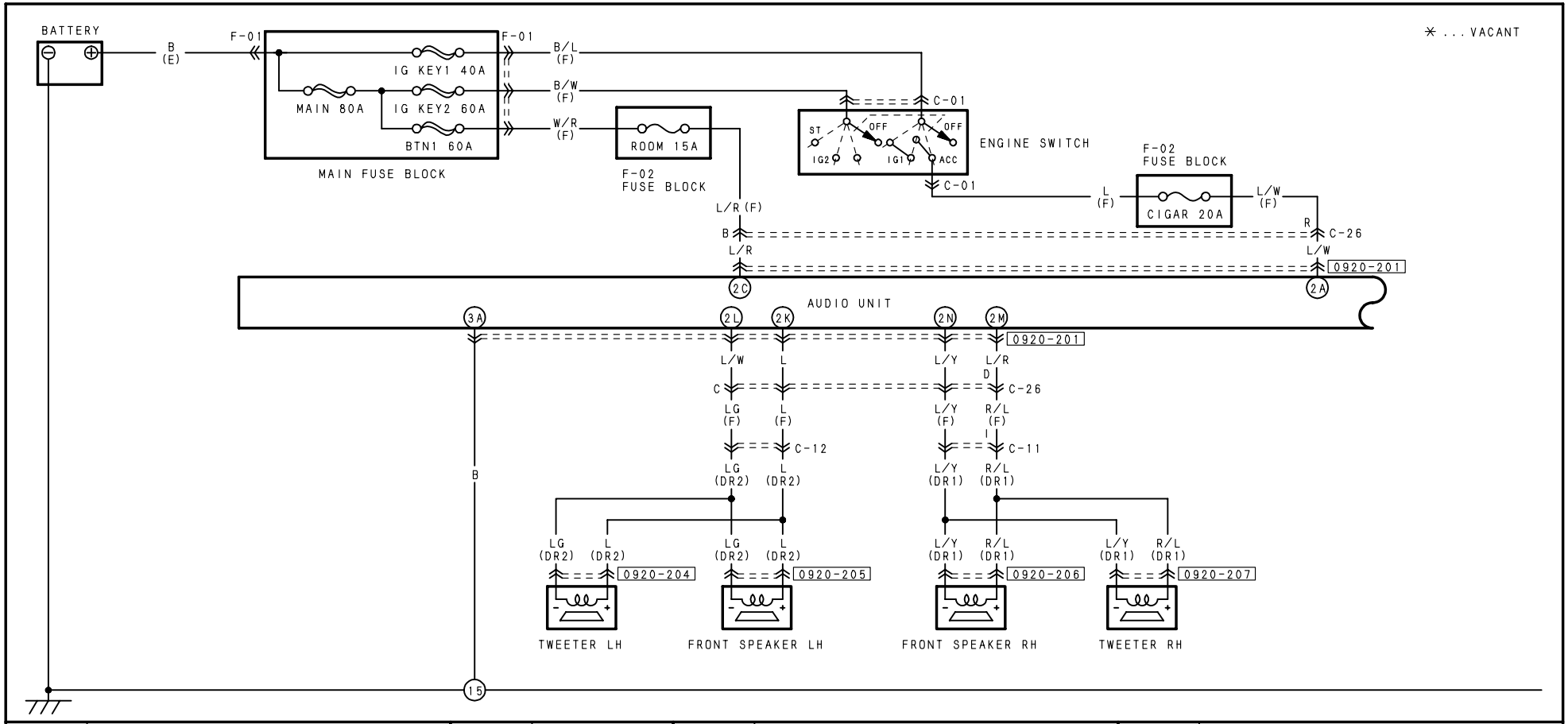
HARNESS SYMBOL: (F) (E) (R)





107

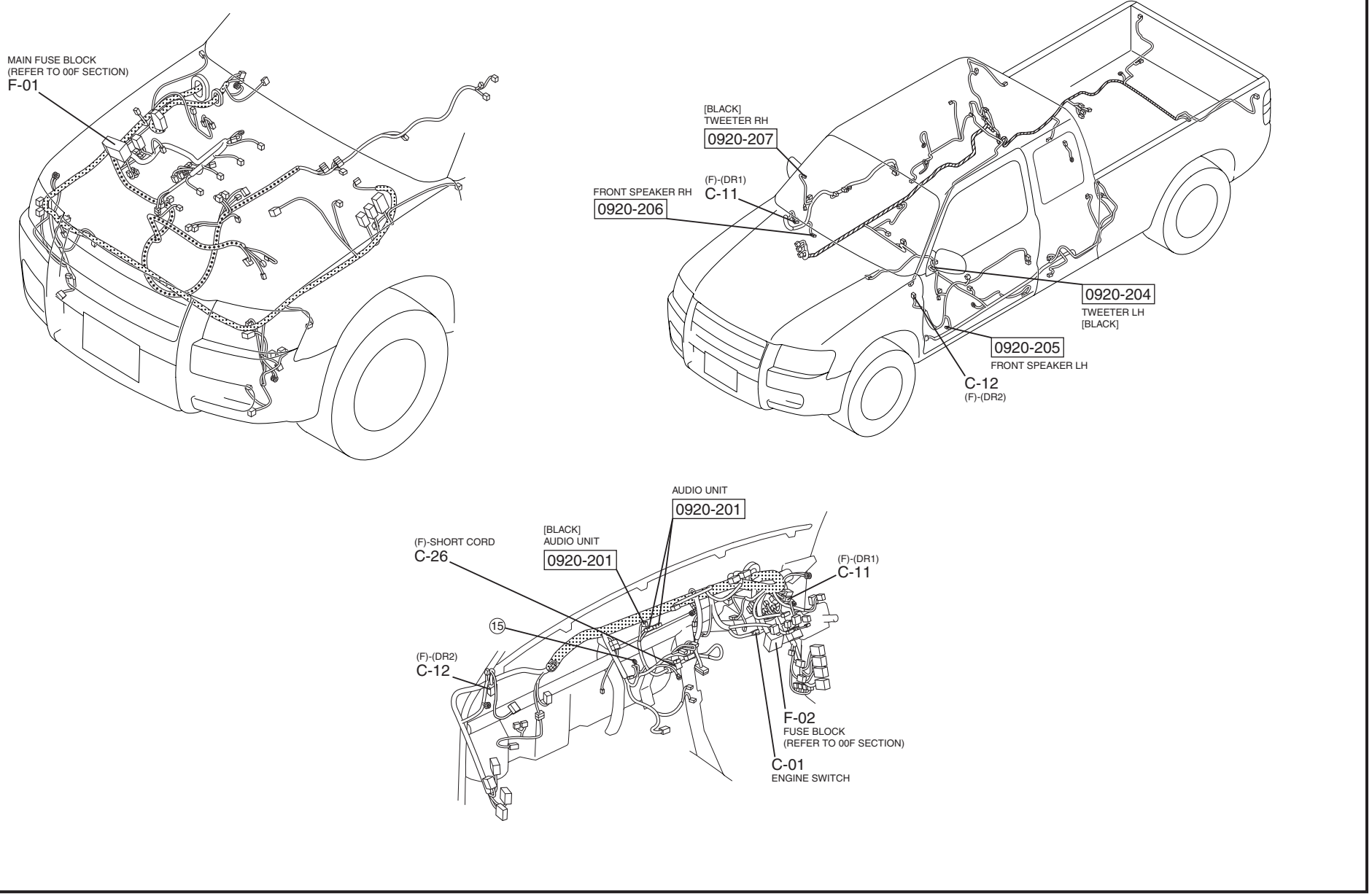
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0920-201 AUDIO UNIT (SHORT CORD)	0920-204 TWEETER LH (DR2)	0920-205 FRONT SPEAKER LH (DR2)	0920-206 FRONT SPEAKER RH (DR1)
	0920-207 TWEETER RH (DR1)		

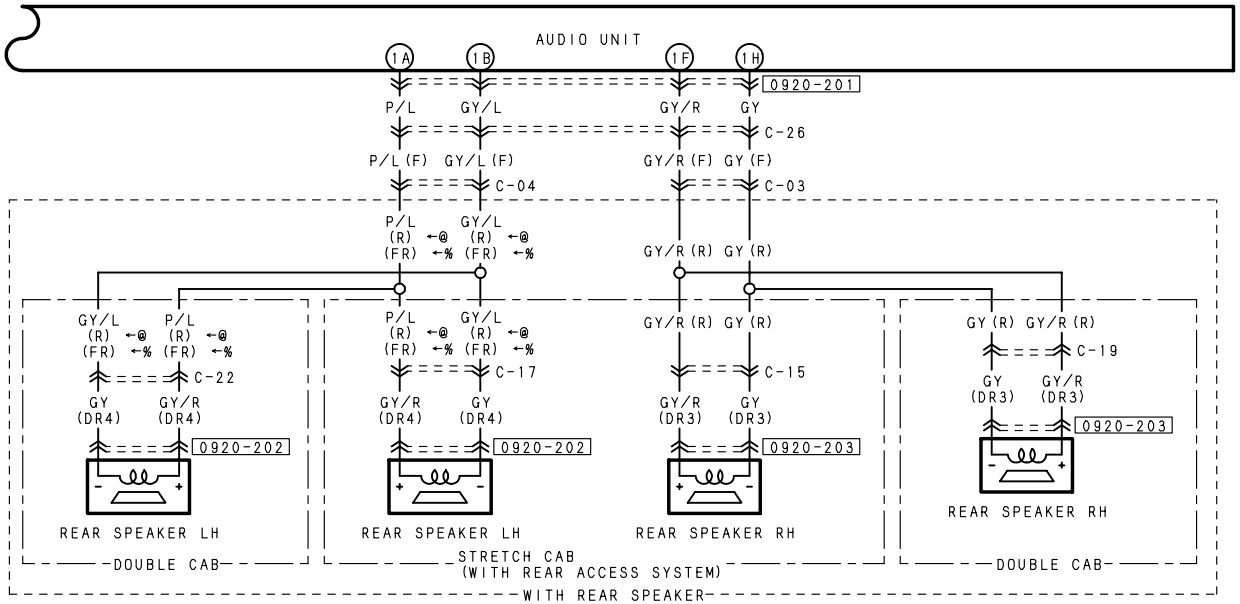
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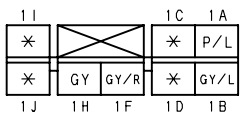


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✳ . . . VACANT
@ . . . WITH AIR BAG SYSTEM
% . . . WITHOUT AIR BAG SYSTEM



0920-201 AUDIO UNIT (SHORT CORD)



0920-202 REAR SPEAKER LH (DR4)

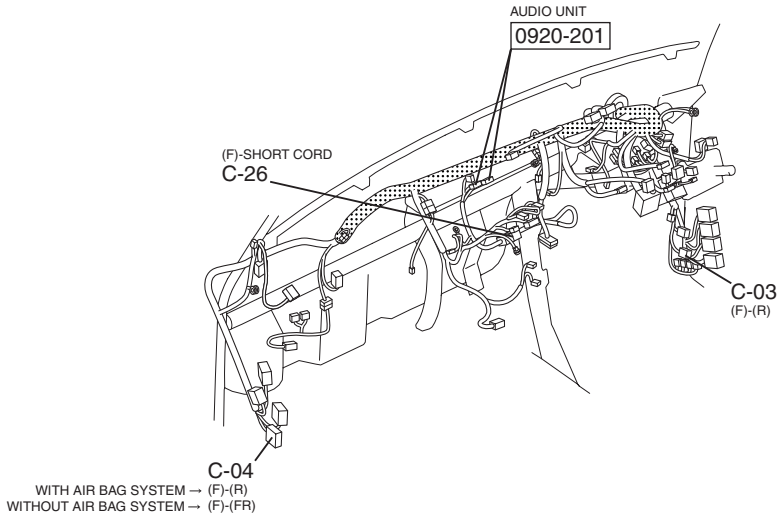


0920-203 REAR SPEAKER RH (DR3)

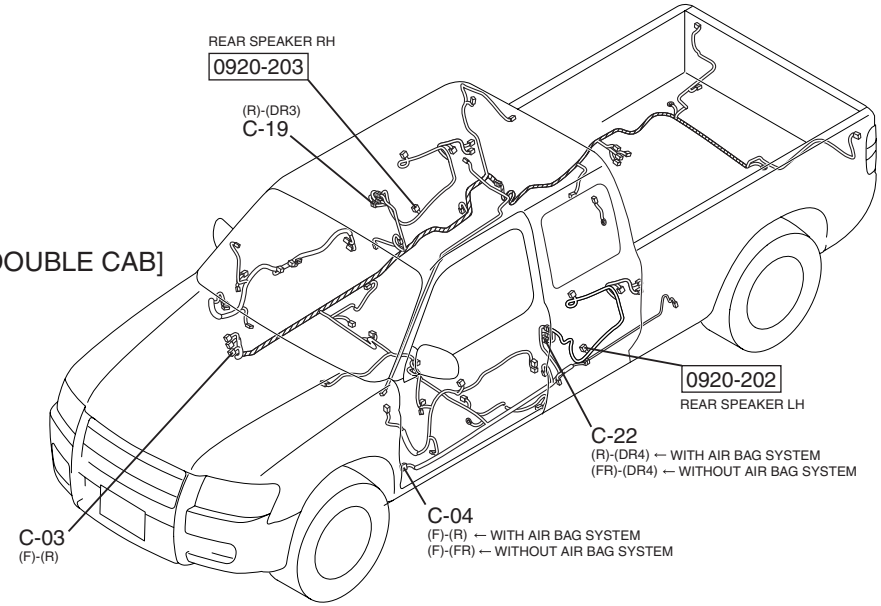


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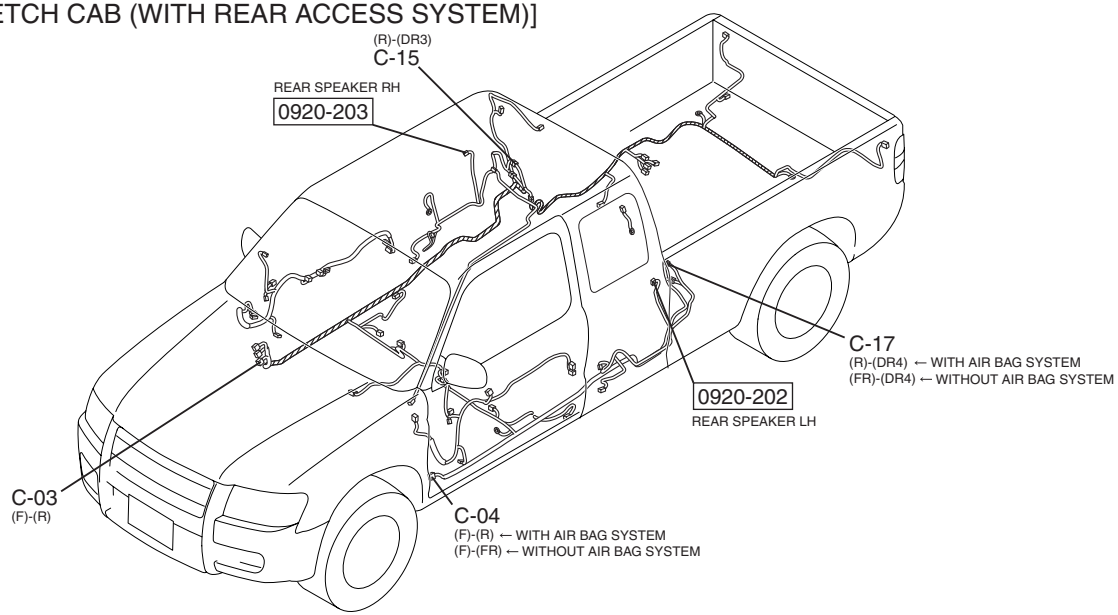
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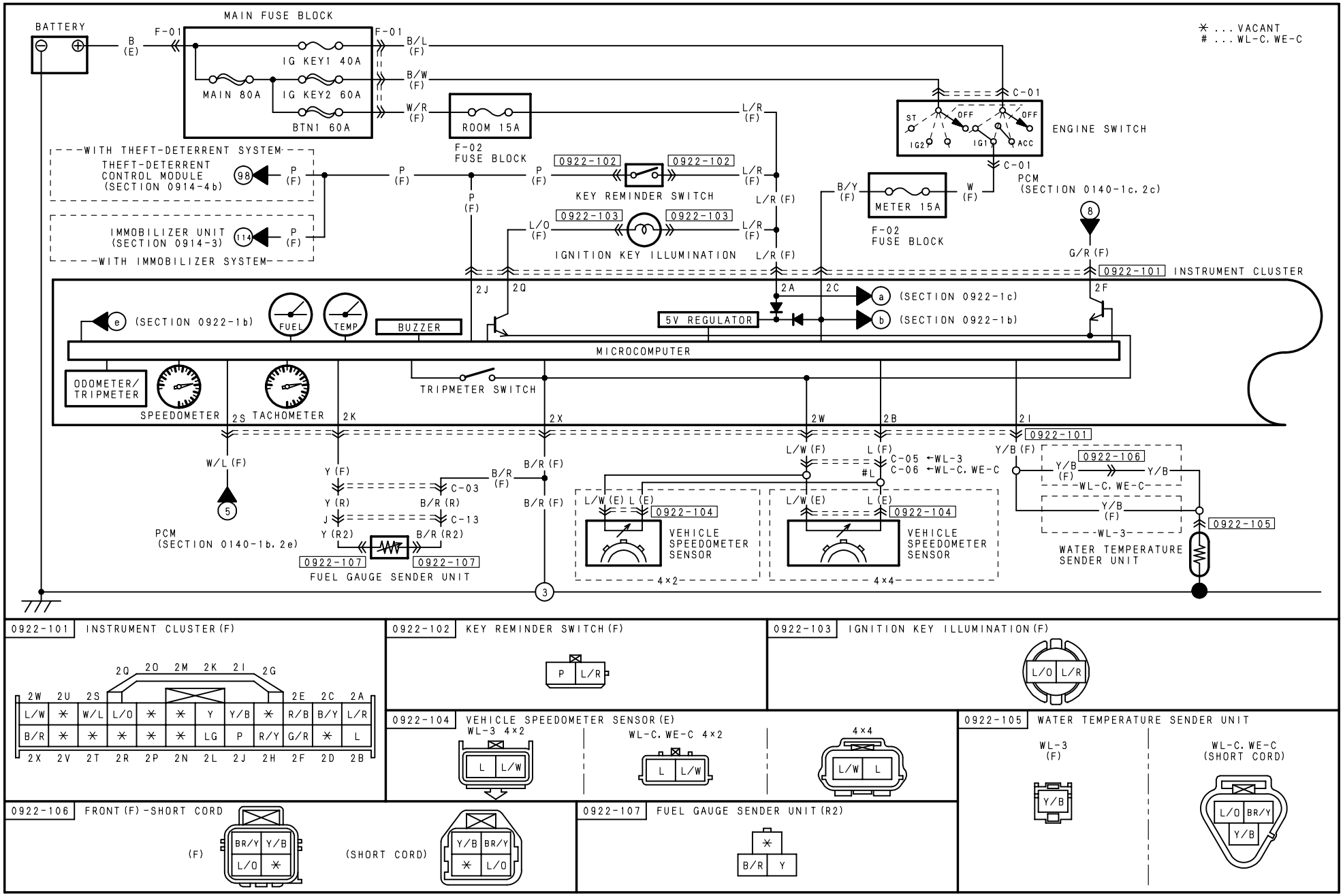
[DOUBLE CAB]



[STRETCH CAB (WITH REAR ACCESS SYSTEM)]

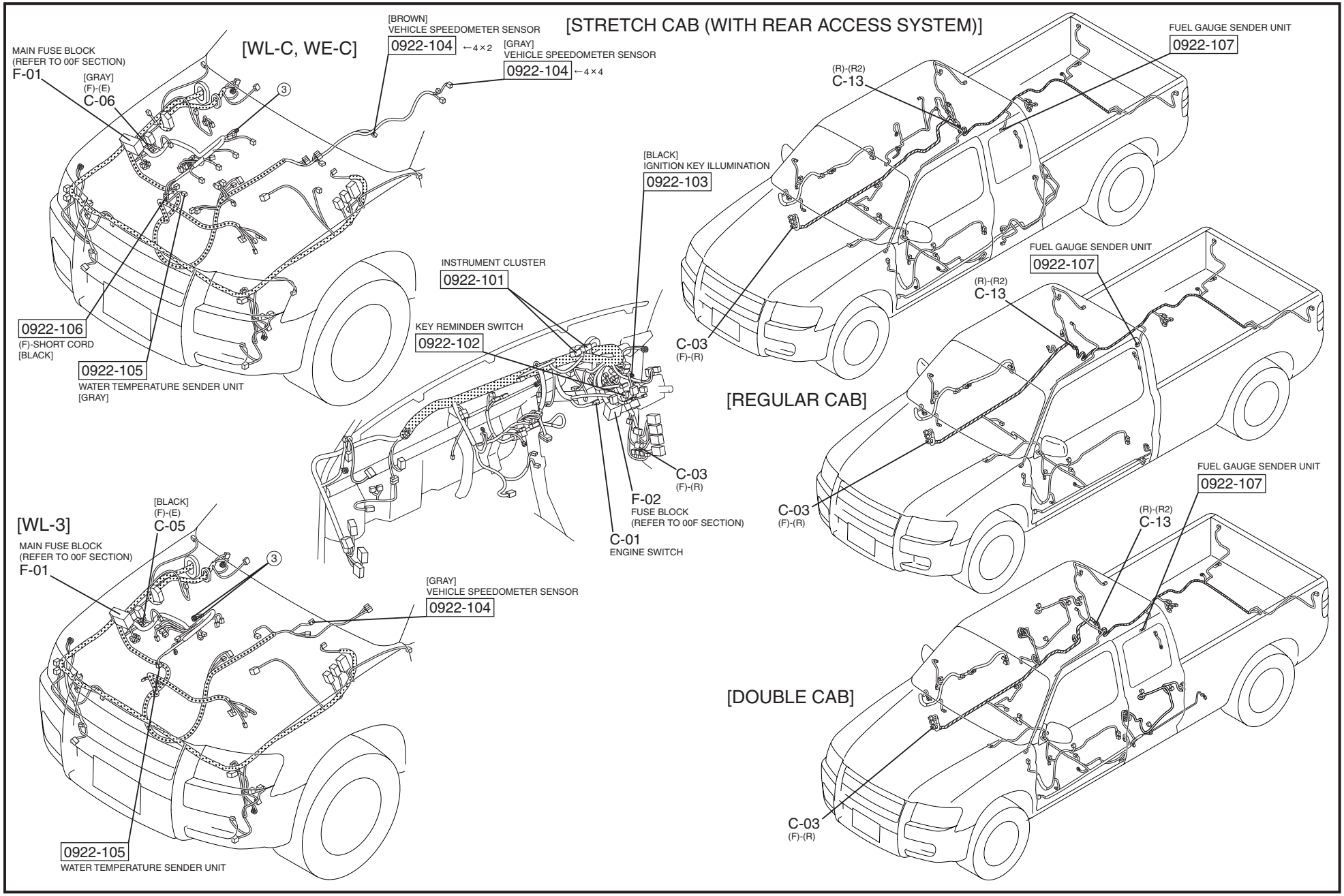


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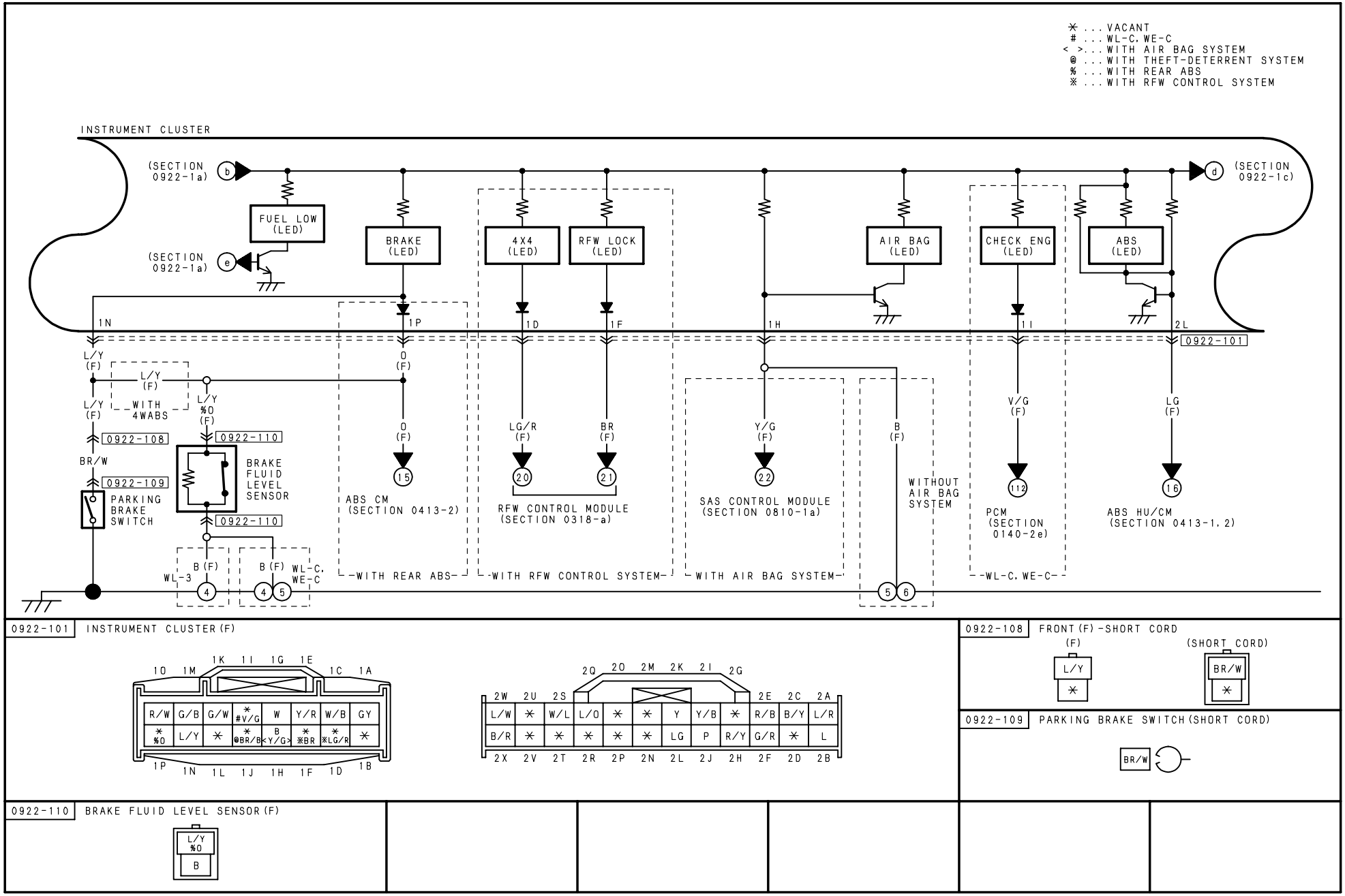


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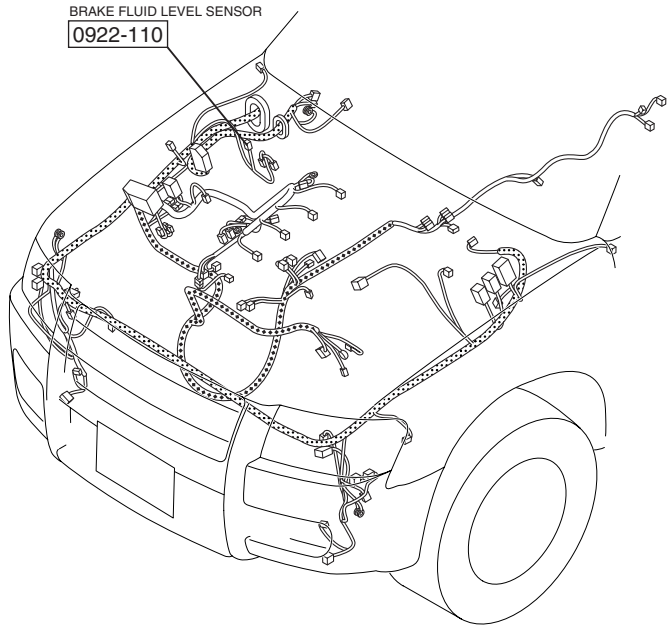


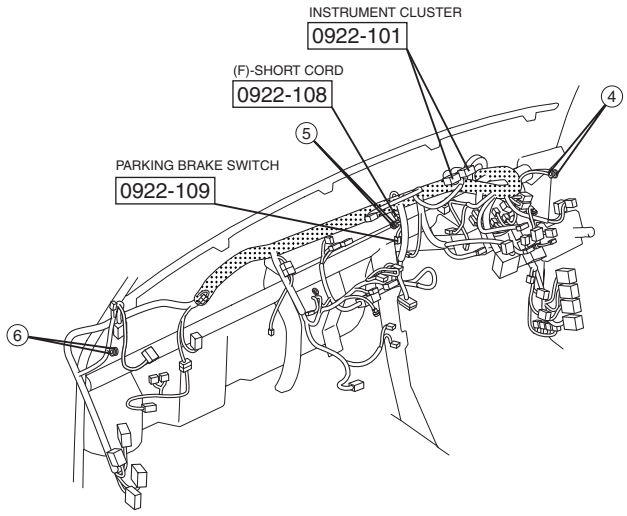
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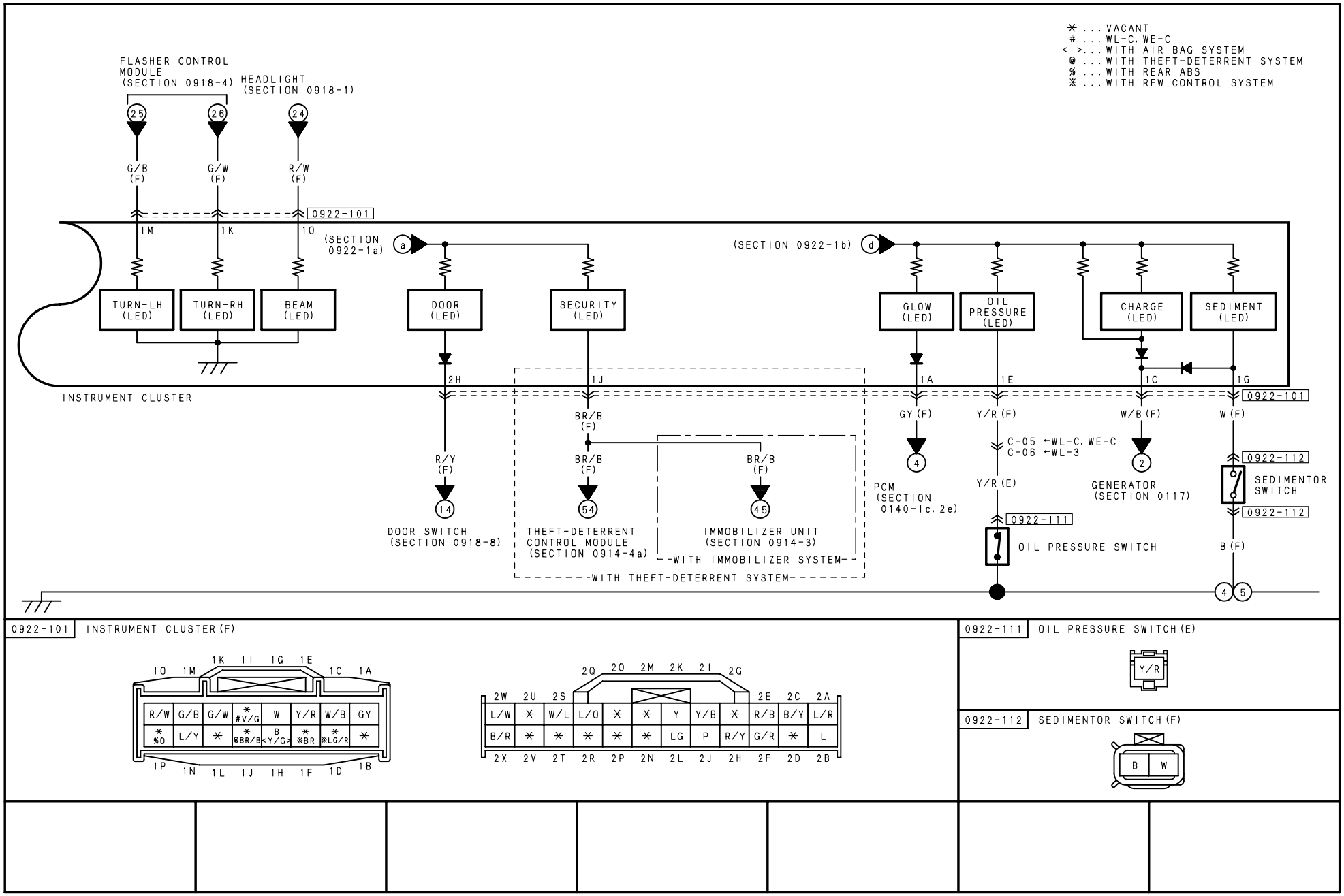
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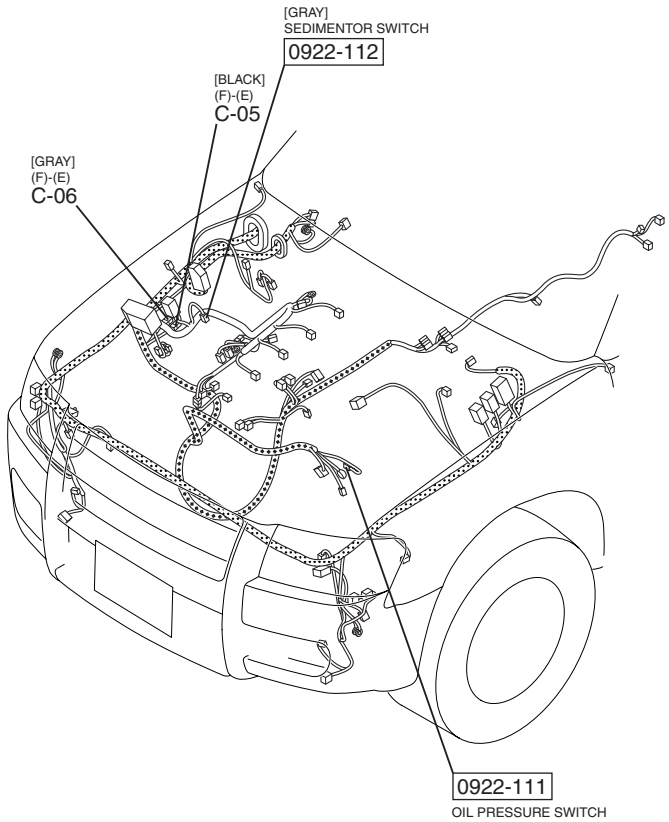


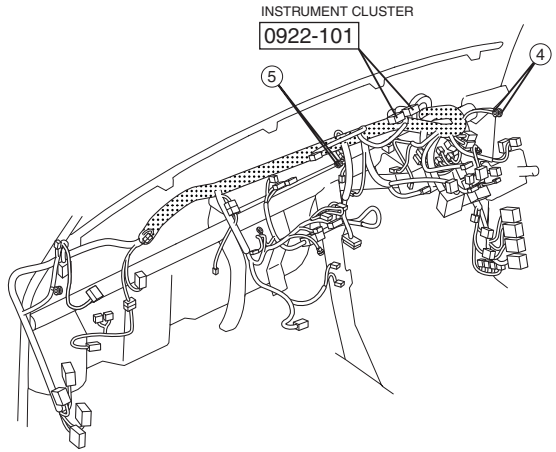
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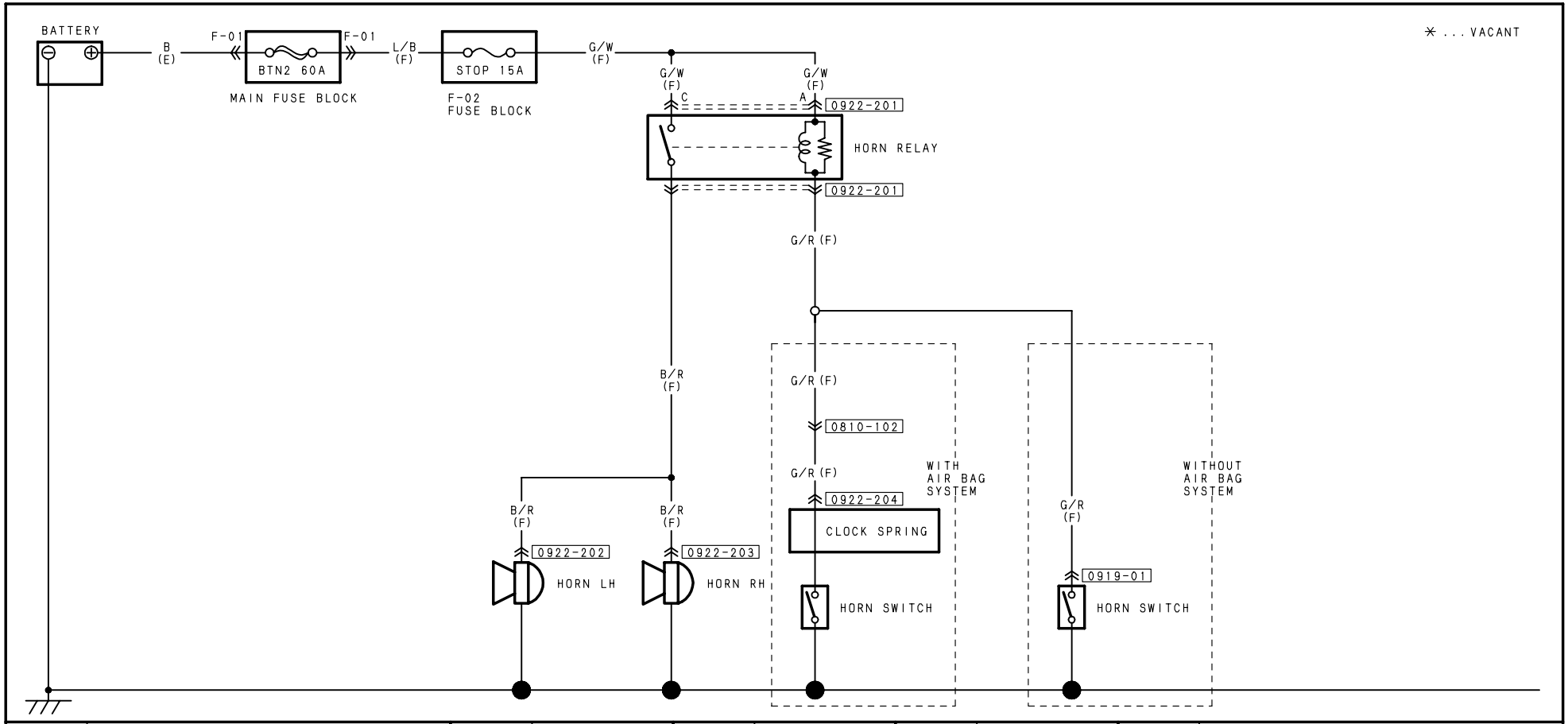
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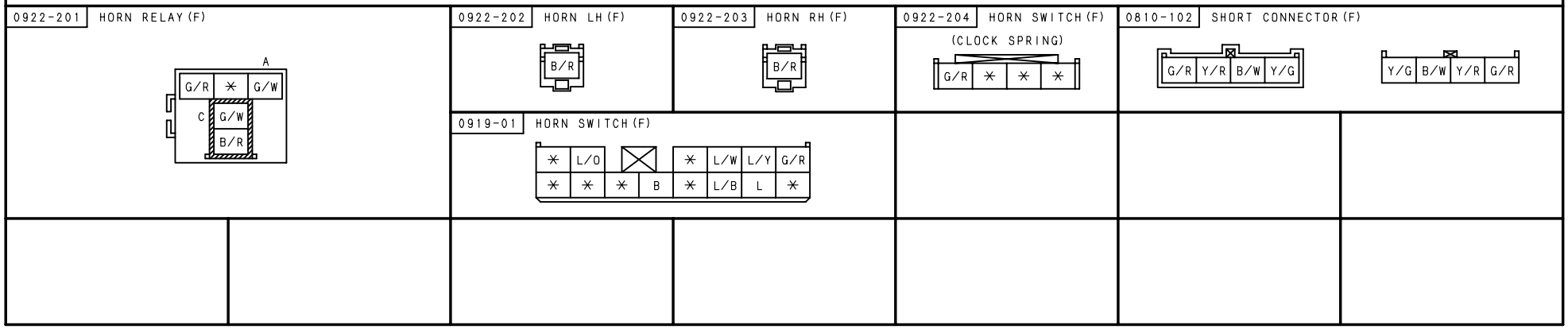
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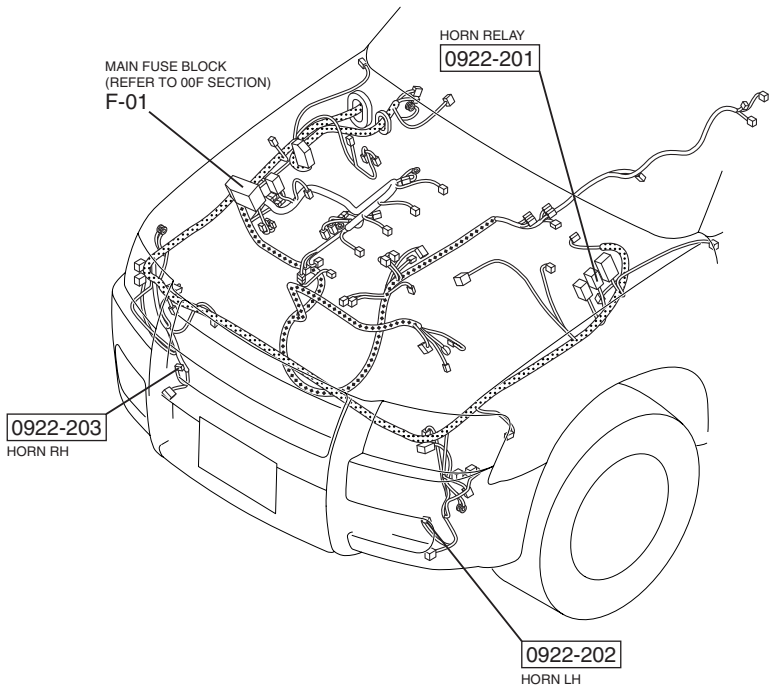
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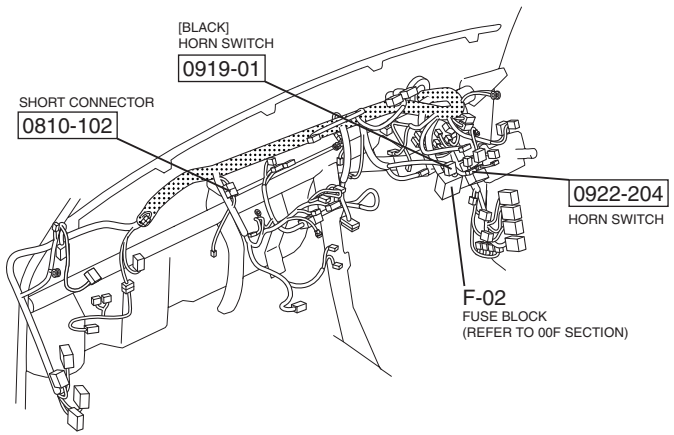




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HARNESS SYMBOL: (F) (E) (R)





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ALPHABETICAL INDEX

4

4X4 INDICATOR SWITCH 54

A

A/C AMPLIFIER 60
A/C RELAY 60
A/C SWITCH 60
ABBREVIATION 12
ABS CM 58
ABS HU 58
ABS HU/CM 56
ABS RELAY 58
ABS SPEED SENSOR 58
ABS WHEEL-SPEED SENSOR 56
ACCELERATOR PEDAL
POSITION SENSOR 38, 50
ACCESSORY SOCKET 106
AIR BAG MODULE 64
AUDIO UNIT 108

B

BACK-UP LIGHT 96
BACK-UP LIGHT SWITCH 96
BLOWER MOTOR 60
BLOWER RELAY 60
BLOWER UNIT 60
BONNET SWITCH 84
BOOST SENSOR 38, 48
BRAKE FLUID LEVEL SENSOR 114
BRAKE LIGHT 98
BRAKE SWITCH 98

C

CAMSHAFT POSITION SENSOR 46
CIGARETTE LIGHTER 106
CKP SENSOR 40
CLIMATE CONTROL UNIT 60
CLOCK SPRING 64
CLUTCH PEDAL POSITION SWITCH 36, 42
COIL 82
COMMON CONNECTOR LIST 22
CRANKSHAFT POSITION SENSOR 48

D

DATA LINK CONNECTOR 30
DATA LINK CONNECTOR-2 30
DOOR KEY CYLINDER SWITCH 84
DOOR LOCK ACTUATOR 78
DOOR LOCK CONTROL MODULE 76
DOOR LOCK-LINK SWITCH 76, 86
DOOR SWITCH 102
DRIVER-SIDE AIR BAG MODULE 64
DRIVER-SIDE PRE-TENSIONER SEAT BELT 66
DRIVER-SIDE SIDE AIR BAG MODULE 66
DRIVER-SIDE SIDE AIR BAG SENSOR 66

E

EGR CONTROL SOLENOID VALVE 36, 46
EGR SOLENOID VALVE 36, 46
EGR VALVE POSITION SENSOR 38, 46
ELECTRICAL WIRING SCHEMATIC 18
ENGINE COOLANT
TEMPERATURE SENSOR 38, 48

F

FILAMENT 68
FLASHER CONTROL MODULE 94
FOG LIGHT 92
FOG LIGHT RELAY 92
FOG LIGHT SWITCH 92
FREE SOLENOID VALVE 52
FRONT FOG LIGHT 92
FRONT FOG LIGHT RELAY 92
FRONT FOG LIGHT SWITCH 92
FRONT POWER WINDOW REGULATOR 70
FRONT SIDE TURN LIGHT 94
FRONT SPEAKER 108
FRONT TURN LIGHT 94
FUEL GAUGE SENDER UNIT 112
FUEL INJECTION PUMP 38, 40
FUEL INJECTOR 44
FUEL METERING VALVE 44
FUEL PRESSURE SENSOR 46
FUEL PUMP SPEED SENSOR 36
FUEL TEMPERATURE SENSOR 48
FUSE BOX 20

G

G SENSOR 56
GENERAL INFORMATION 2
GENERATOR 32
GLOVE COMPARTMENT LIGHT 100
GLOW PLUG 36, 42
GLOW PLUG RELAY 36, 42
GROUND POINT 26

H

HAZARD WARNING SWITCH 94
HEADLIGHT 88
HEADLIGHT RELAY 88
HEADLIGHT SWITCH 88
HIGH-MOUNT BRAKE LIGHT 98
HORN 118
HORN RELAY 118
HORN SWITCH 118

I

IDLE SWITCH 36, 48
ILLUMINATION
A/C SWITCH 100
AUDIO UNIT 100
CONSOLE 100
HAZARD WARNING SWITCH 100
HEATER CONTROL 100
IGNITION KEY 112
INSTRUMENT CLUSTER 100
REAR WINDOW DEFROSTER SWITCH 100
RFW MAIN SWITCH 100
IMMOBILIZER UNIT 82
INSTRUMENT CLUSTER 112
INTAKE AIR TEMPERATURE
SENSOR 38, 40, 44, 48
INTAKE SHUTTER SOLENOID VALVE 44
INTERIOR LIGHT 102

K

KEY REMINDER SWITCH 112
KEYLESS CONTROL MODULE 80

www.truck-freeworkshop.com

ALPHABETICAL INDEX

L

LICENSE PLATE LIGHT 90
LOCK SOLENOID VALVE 52

M

MAGNETIC CLUTCH 60
MAIN RELAY 36, 42
MASS AIR FLOW SENSOR 40, 44

N

NEUTRAL SWITCH 36, 42

O

OIL PRESSURE SWITCH 116

P

PARKING BRAKE SWITCH 114
PARKING LIGHT 90
PASSENGER-SIDE AIR BAG MODULE 64
PASSENGER-SIDE PRE-TENSIONER SEAT BELT 66
PASSENGER-SIDE SIDE AIR BAG MODULE 66
PASSENGER-SIDE SIDE AIR BAG SENSOR 66
PCM 36, 42, 52
POWER OUTER MIRROR 74
POWER OUTER MIRROR SWITCH 74
POWER WINDOW MAIN SWITCH 70
POWER WINDOW REGULATOR
(FRONT) 70
(REAR) 72
POWER WINDOW SUBSWITCH 70
PRE-TENSIONER SEAT BELT 66

R

REAR POWER WINDOW REGULATOR 72
REAR SPEAKER 110
REAR TURN LIGHT 94
REAR WINDOW DEFROSTER RELAY 68
REAR WINDOW DEFROSTER SWITCH 68
REFRIGERANT PRESSURE SWITCH 60
RESISTOR 60
RETRACT/RETURN MOTOR 74
RFW LOCK SWITCH 54
RFW MAIN SWITCH 52

S

SAS CONTROL MODULE 64
SEDIMENTOR SWITCH 116
SIDE AIR BAG MODULE 66
SIDE AIR BAG SENSOR 66
SIDE TURN LIGHT 94
SPEAKER
(FRONT) 108
(REAR) 110
STARTER 34

T

TAILLIGHT 90
TEST CONNECTOR 58
THEFT-DETERRENT CONTROL MODULE 84
THEFT-DETERRENT HORN 86
THEFT-DETERRENT HORN RELAY 86
THERMISTOR 60
TNS RELAY 88
TRANSFER NEUTRAL SWITCH 54
TURN LIGHT 94
TURN SWITCH 94
TWEETER 108

V

VARIABLE BOOST CONTROL SOLENOID VALVE 46
VARIABLE SWIRL CONTROL SOLENOID VALVE 46
VEHICLE IDENTIFICATION NUMBERS (VIN) 3
VEHICLE SPEEDOMETER SENSOR 112

W

WATER TEMPERATURE SENDER UNIT 112
WINDOW DEFROSTER RELAY 68
WINDOW DEFROSTER SWITCH 68
WINDSHIELD WASHER MOTOR 104
WINDSHIELD WIPER AND WASHER SWITCH 104
WINDSHIELD WIPER MOTOR 104
WIRING COLOR CODE 9

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RANGER

Wiring Diagrams Supplement

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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Ford Motor Company

APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

CONTENTS

TITLE	SECTION		
		PREVIOUS	NEW
GENERAL INFORMATION	SYSTEM CIRCUIT DIAGRAM/CONNECTOR LOCATIONS	GI (GENERAL INFORMATION)	00
		W (ELECTRICAL WIRING SCHEMATIC)	
		FB (FUSE BLOCK)	
		JB (JOINT BOX)	
		X (COMMON CONNECTOR)	
		Y (GROUND POINT)	
		U (DATA LINK CONNECTOR)	
ENGINE		A (CHARGING SYSTEM/ STARTING SYSTEM)	01
		B (ENGINE CONTROL SYSTEM)	
		Q (CRUISE CONTROL SYSTEM)	
SUSPENSION		—	02
DRIVELINE/AXLE		—	03
BRAKES		O (ANTI-LOCK BRAKE SYSTEM)	04
TRANSMISSION/ TRANSAXLE		H (EC-AT CONTROL SYSTEM)	05
STEERING		N (ELECTRIC POWER STEERING SYSTEM)	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)		G (AIR CONDITIONING SYSTEM)	07
RESTRAINTS		S (SEAT BELT/AIR BAG SYSTEM)	08
BODY & ACCESSORIES		C (GAUGE CONTROL SYSTEM)	09
		D (WIPER SYSTEM)	
		E (EXTERIOR LIGHTING SYSTEM)	
		F (SIGNAL SYSTEM)	
		I (INTERIOR LIGHTING SYSTEM)	
		J (AUDIO SYSTEM)	
		K (DOOR/WINDOW SYSTEM)	
		L (MIRROR SYSTEM)	
		M (SUNROOF SYSTEM)	
		P (POWER SEAT SYSTEM)	
		T (SECURITY AND LOCKS SYSTEM/OPTION)	
ALPHABETICAL INDEX		AI (ALPHABETICAL INDEX)	AI

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

WF0 LM1D10*W
WF0 LM1E10*W
WF0 LMAD10*W
WF0 LMAE10*W
WF0 LMED10*W
WF0 LMEE10*W
WF0 UM1D10*W
WF0 UM1E10*W
WF0 UMAD10*W
WF0 UMAE10*W
WF0 UMED10*W
WF0 UMEE10*W

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE.....2
VEHICLE IDENTIFICATION NUMBERS (VIN).....3

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 4
F FUSE BOX 6
C COMMON CONNECTOR LIST 8
G GROUND POINT.....10

01 ENGINE

19 STARTING SYSTEM.....14

09 BODY & ACCESSORIES

13 SEATS
SEAT WARMER 16
14 SECURITY AND LOCKS
KEYLESS CONTROL MODULE..... 18
IMMOBILIZER SYSTEM..... 20
18 LIGHTING SYSTEMS
HEADLIGHT 22
LICENSE PLATE LIGHT..... 24
PARKING LIGHT..... 24
TAILLIGHT 24
FRONT FOG LIGHT 26
TURN AND HAZARD WARNING LIGHT..... 28
BACK-UP LIGHT 30
BRAKE LIGHT 32
HIGH-MOUNT BRAKE LIGHT..... 32
ILLUMINATION LIGHT..... 34
HEADLIGHT LEVELING SYSTEM..... 38
REAR FOG LIGHT..... 40
19 WIPER/WASHER SYSTEM
WINDSHIELD WIPER AND WASHER 42
22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER..... 44

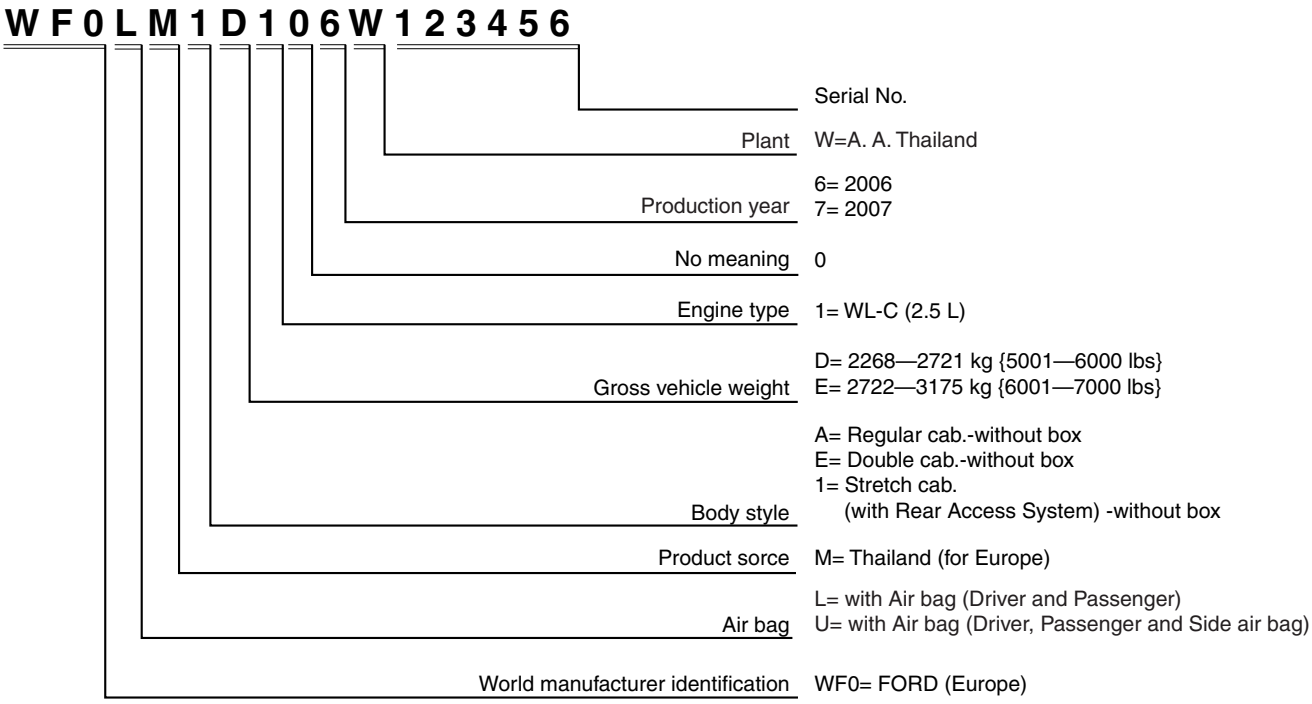
AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 50

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE

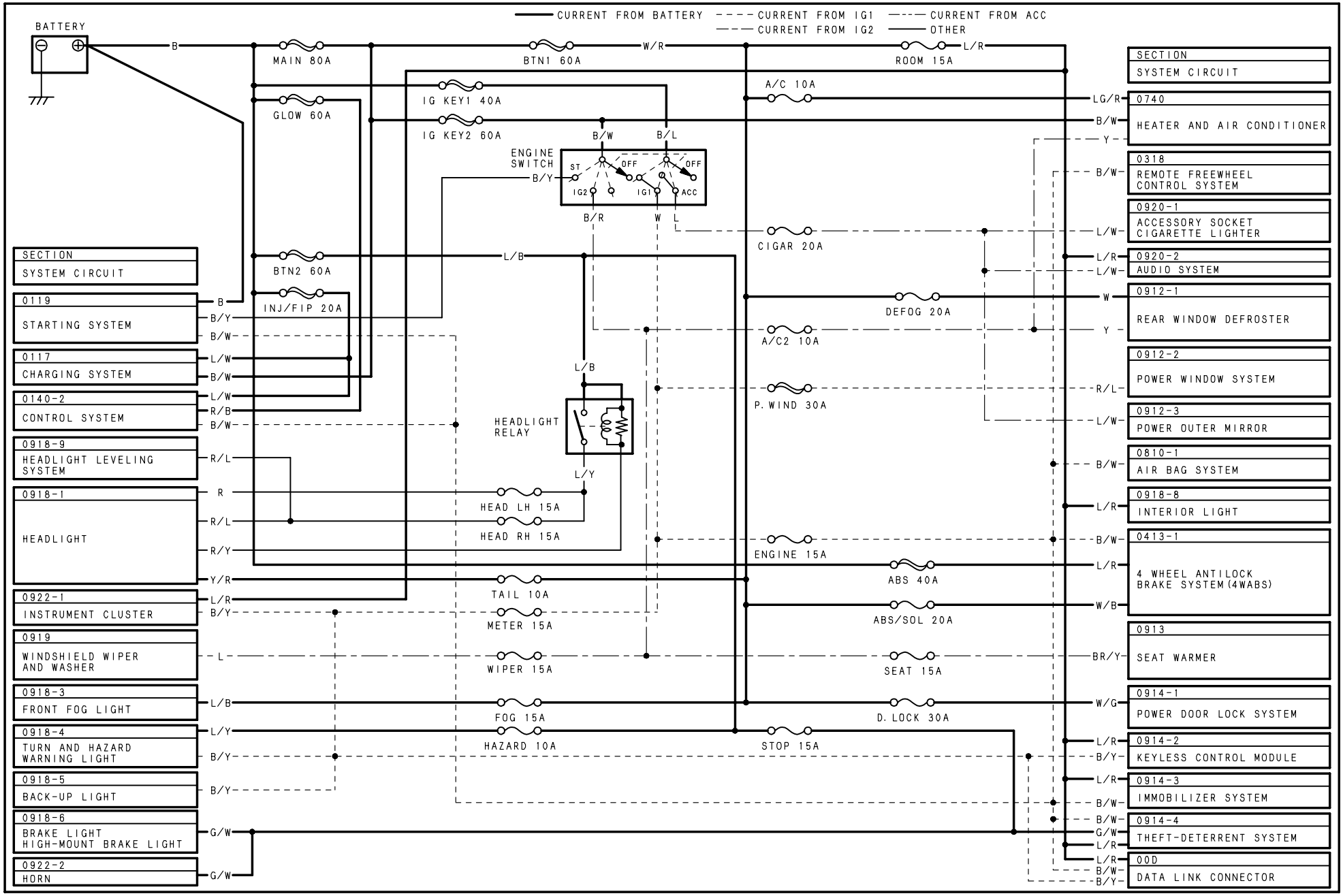


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VEHICLE IDENTIFICATION NUMBERS (VIN)

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WF0 LM1E10*W
WF0 LMAD10*W
WF0 LMAE10*W
WF0 LMED10*W
WF0 LMEE10*W
WF0 UM1D10*W
WF0 UM1E10*W
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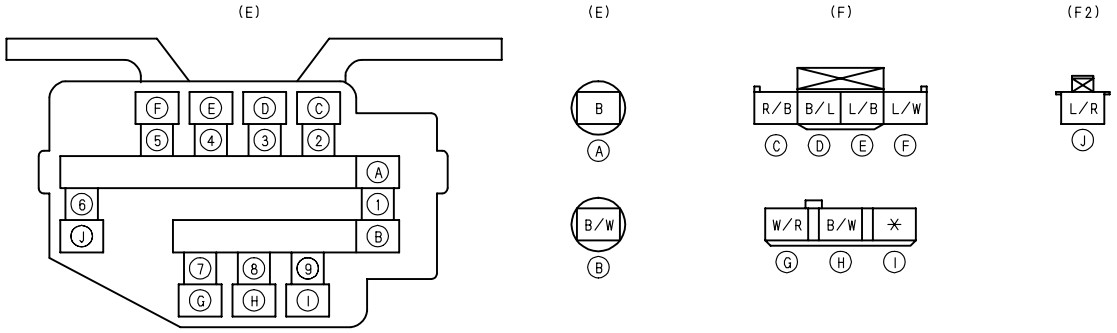
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F-01 MAIN FUSE BLOCK

✳ . . . VACANT



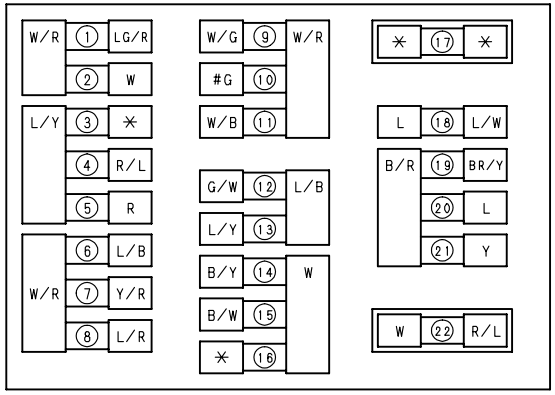
NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( ) IF EQUIPPED

F-02 FUSE BLOCK(F)

✳ . . . VACANT
. . . NOT USED



NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(R. FOG)	✳	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	✳	✳
6	(FOG)	15A	17	✳	✳
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	(SEAT)	15A
9	(D. LOCK)	30A	20	WIPER	15A
10	(P. WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P. WIND)	30A

( ) IF EQUIPPED

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C-02 FRONT (F) -REAR (R)

(F)

R/L	G	✳	G/Y	BR/B	✳	W
B/L	R	✳ #LG/R	✳	✳	✳	L/W

(R)

✳ %W	✳	BR/W @BR/B	G/Y	✳	✳ <G>	✳ %R/L
✳ %L/W	✳	✳	✳ &G/R	✳ #LG/R	✳ <R>	B/L

✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
< >. . . WITH REAR POWER DOOR LOCK SYSTEM
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . NOT USED
@ . . . REGULAR CAB

C-03 FRONT (F) -REAR (R)

(F)

GY/R	R/Y	W/G	R/W	B	B/R
GY	✳	Y	R/B	G/W	G/B

(R)

B/R	B	R/W	W/G	R/Y	✳ #GY/R
G/B	G/W	R/B	Y	✳	✳ #GY

✳ . . . VACANT
. . . WITH REAR SPEAKER

C-04 FRONT (F) -REAR (R)

(F)

W/R	G	✳ #LG/R	✳	R/Y	P/L	R/L
G/Y	R	BR/B	✳	B	GY/L	✳

(R)

✳ %R/L	✳ &P/L	R/Y	✳	✳ #LG/R	✳ ※G	✳ %W/R
✳	✳ &GY/L	B	✳	BR/B	✳ ※R	✳ %GY

✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM

C-05 FRONT (F) -ENGINE (E)

(F)

W/B	R/W	B/Y	W	Y/R
L/W	R/G	LG/B	B/L	

(E)

E

Y/R	W	B/Y	R/W	W/B
B/Y	LG/B	R/G	L/W	

H

✳ . . . VACANT

C-13 REAR (R) -REAR No. 2 (R2)

(R)

※G/R	G/W	G/B	R/W	R/B	W/G	G/Y
✳	BR/W	BR/Y	BR	Y	BR/R	B/R

(R2)

G/Y	W/G	R/B	R/W	G/B	G/W	✳
B/R	BR/R	Y	BR	BR/Y	BR/W	✳

✳ . . . VACANT
※ . . . NOT USED

C-26 FRONT (F) -SHORT CORD

(F)

GY	GY/R	GY/L	P/L								L/Y	R/L	LG	L	
#B	✳			✳	✳	✳	✳	✳							L/R
		L/W	✳	✳	✳	✳	#G/R	R/G	R/B						

(SHORT CORD)

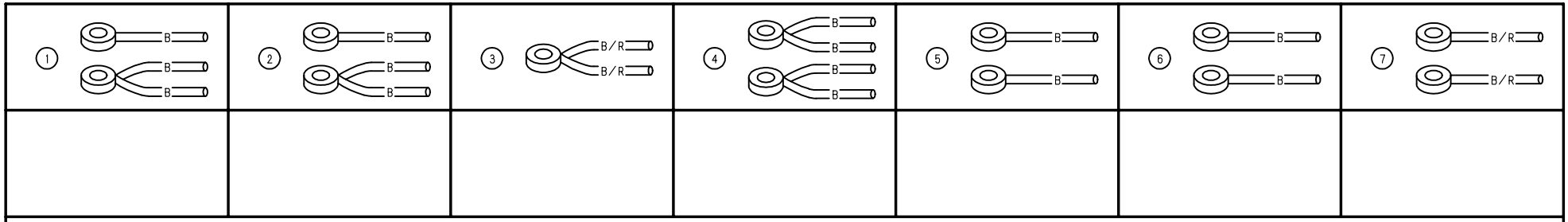
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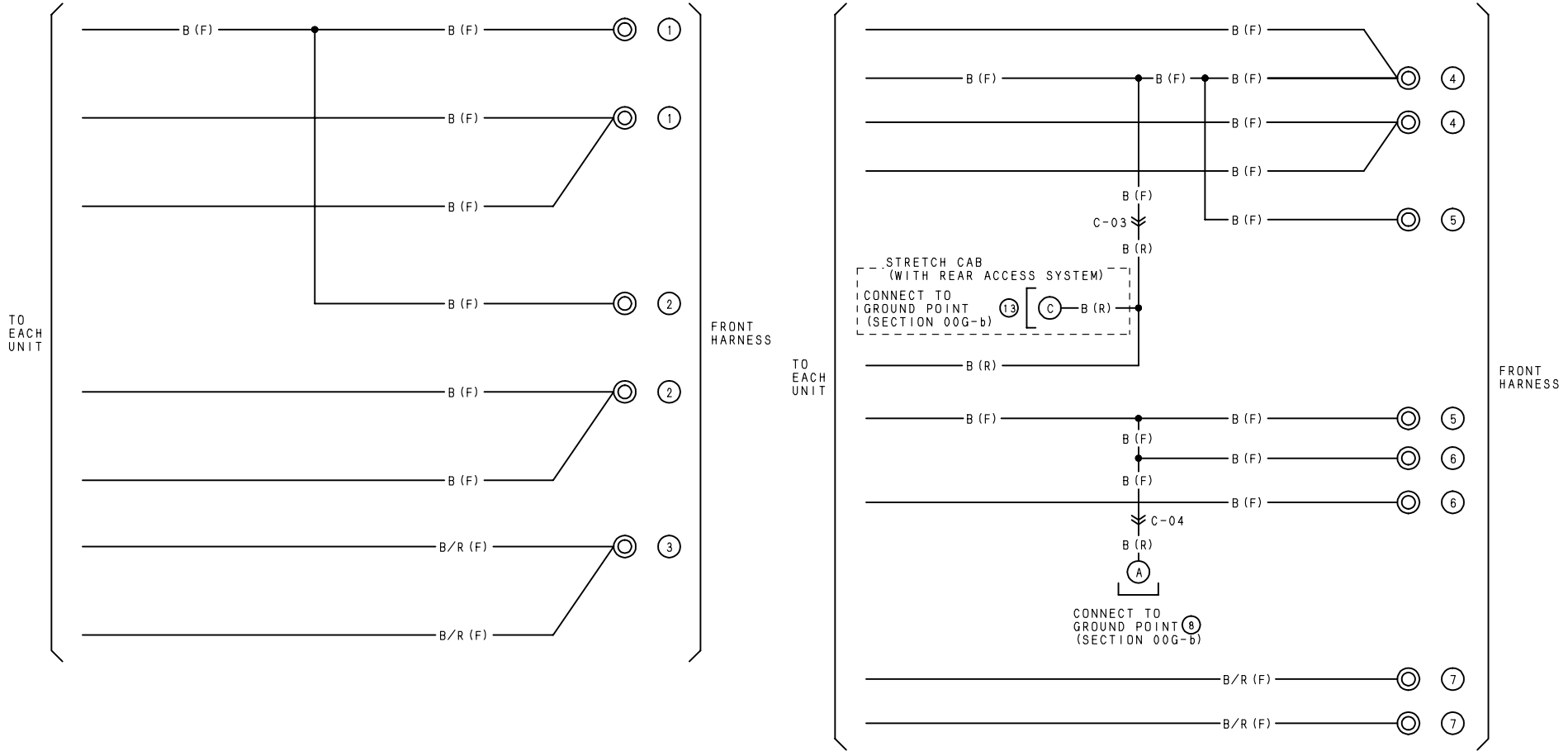
L	L/W	L/R	L/Y								P/L	GY/L	GY/R	GY	
L/R				✳	✳	✳	✳	✳				✳		✳	
		R/B	R/G	✳	✳	✳	✳	✳	✳	L/W					

B R

✳ . . . VACANT
. . . NOT USED

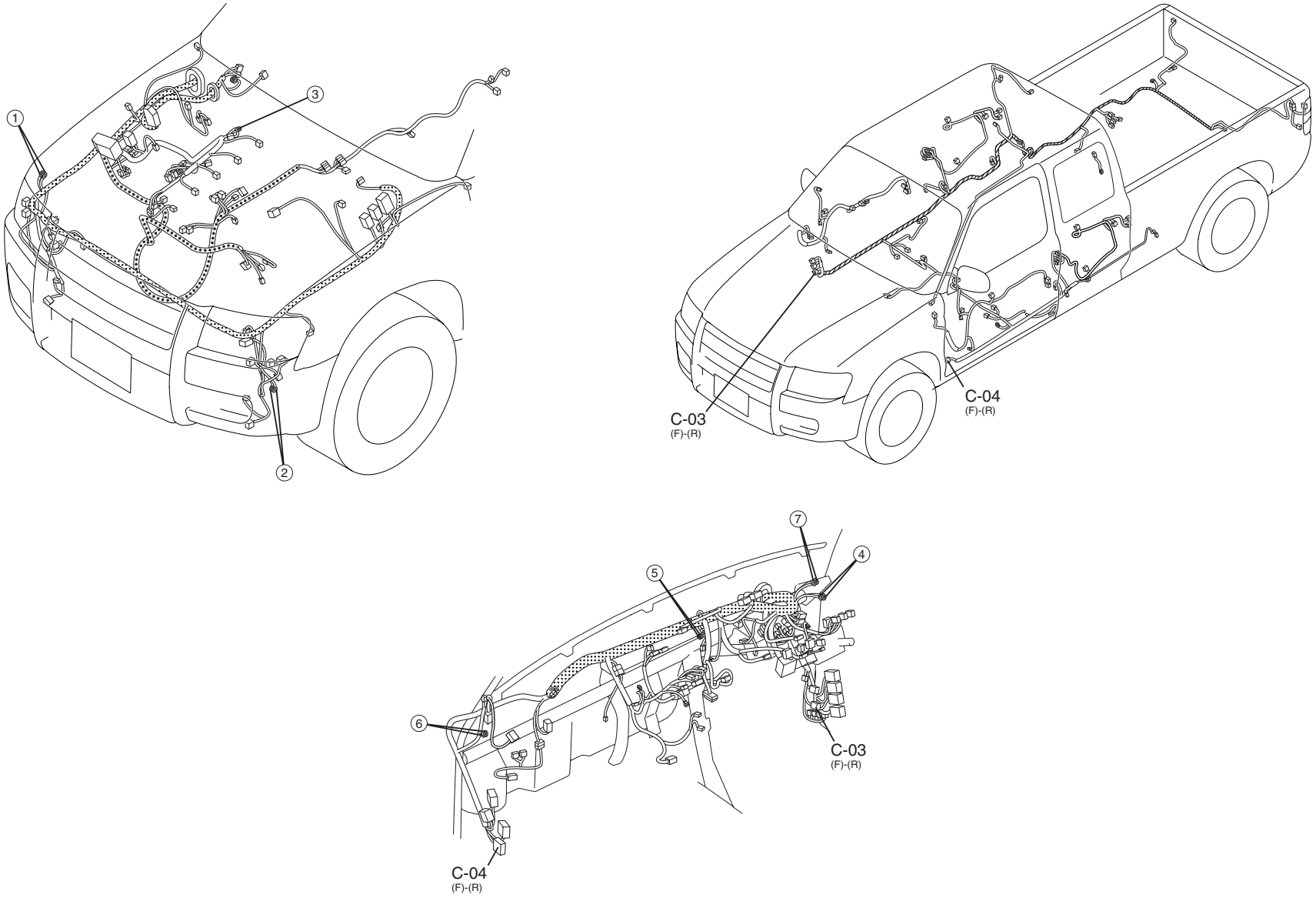
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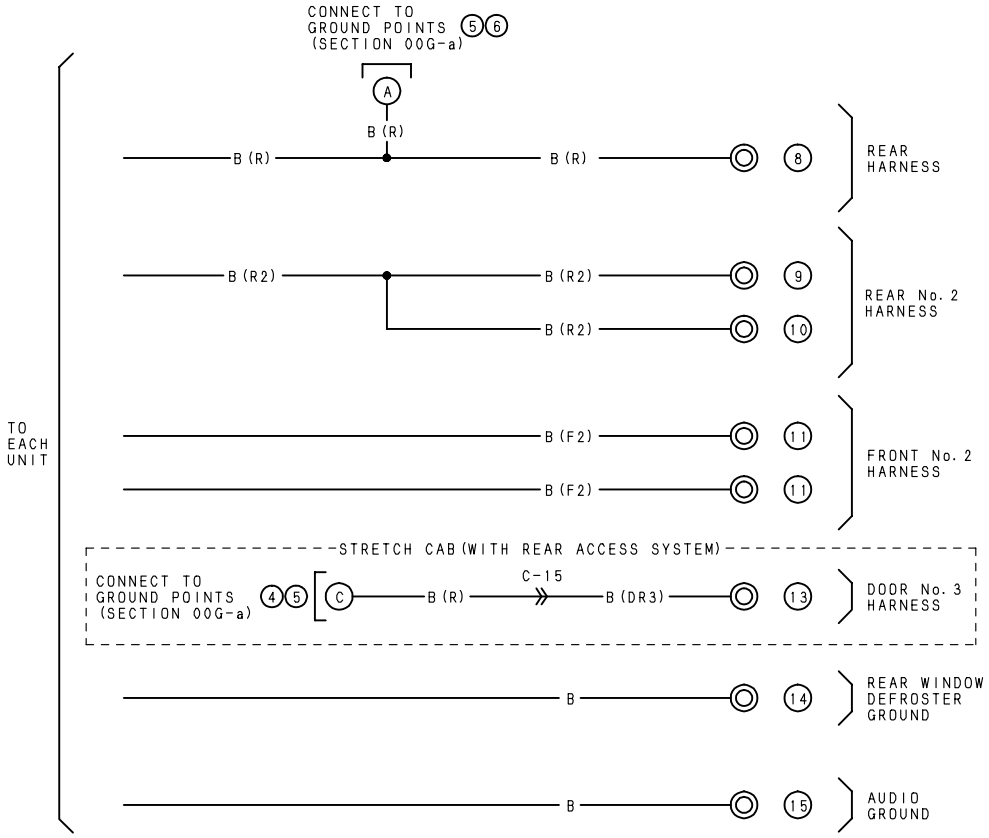
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HARNESS SYMBOL: (F) (E) (R)



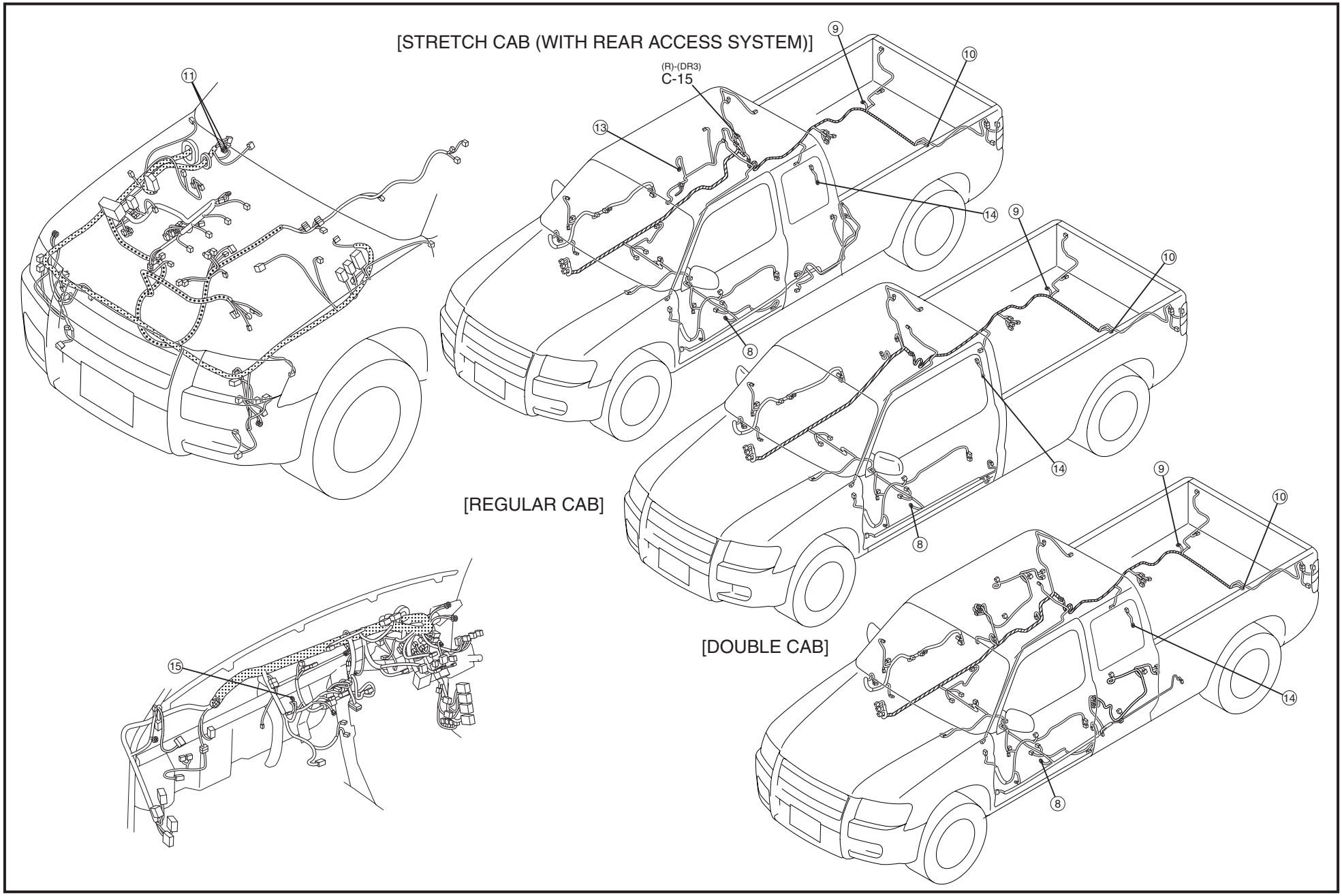
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8 B	9 B	10 B	11 B B	13 B	14 B	15 B

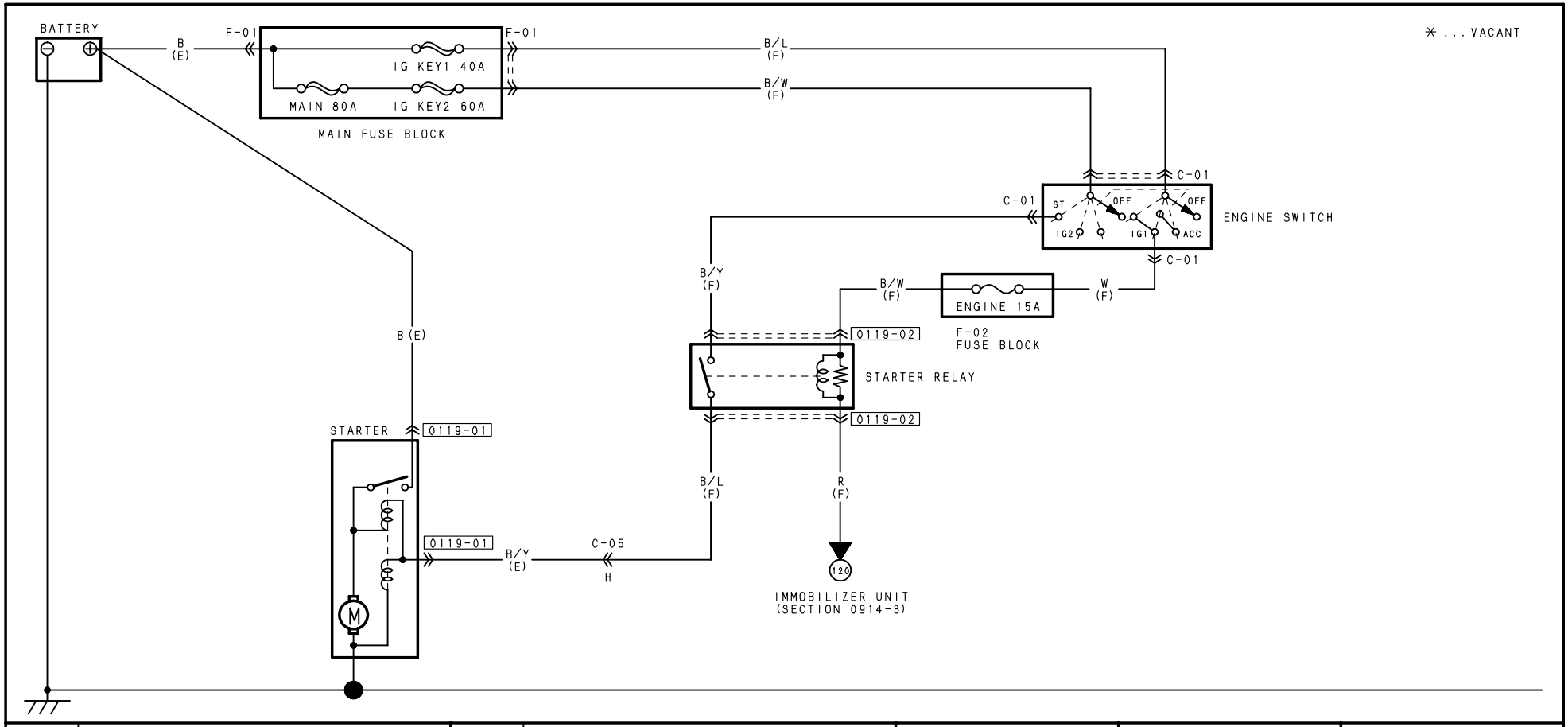


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HARNESS SYMBOL: (F) (E) (R)



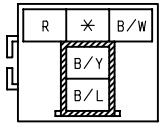
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0119-01 STARTER (E)

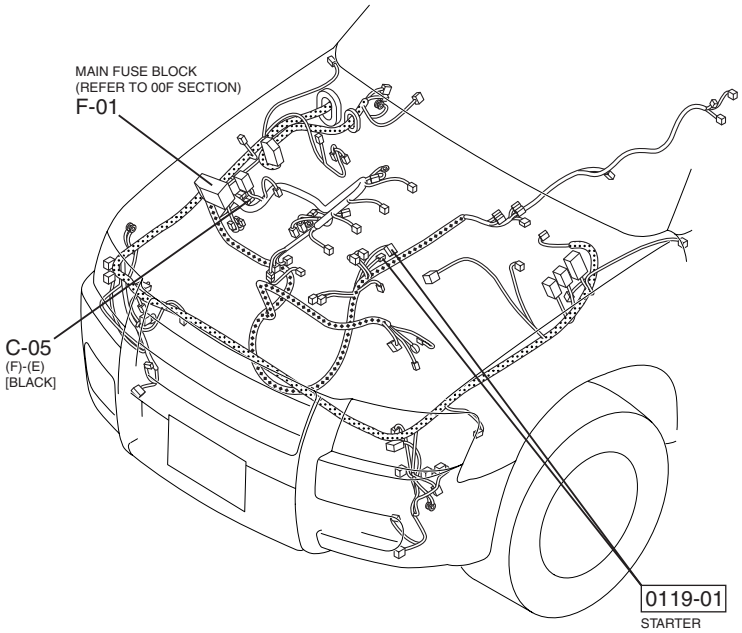


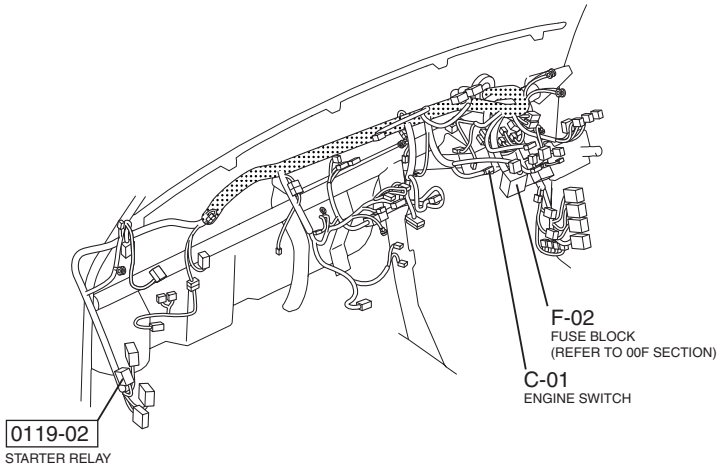
0119-02 STARTER RELAY (F)



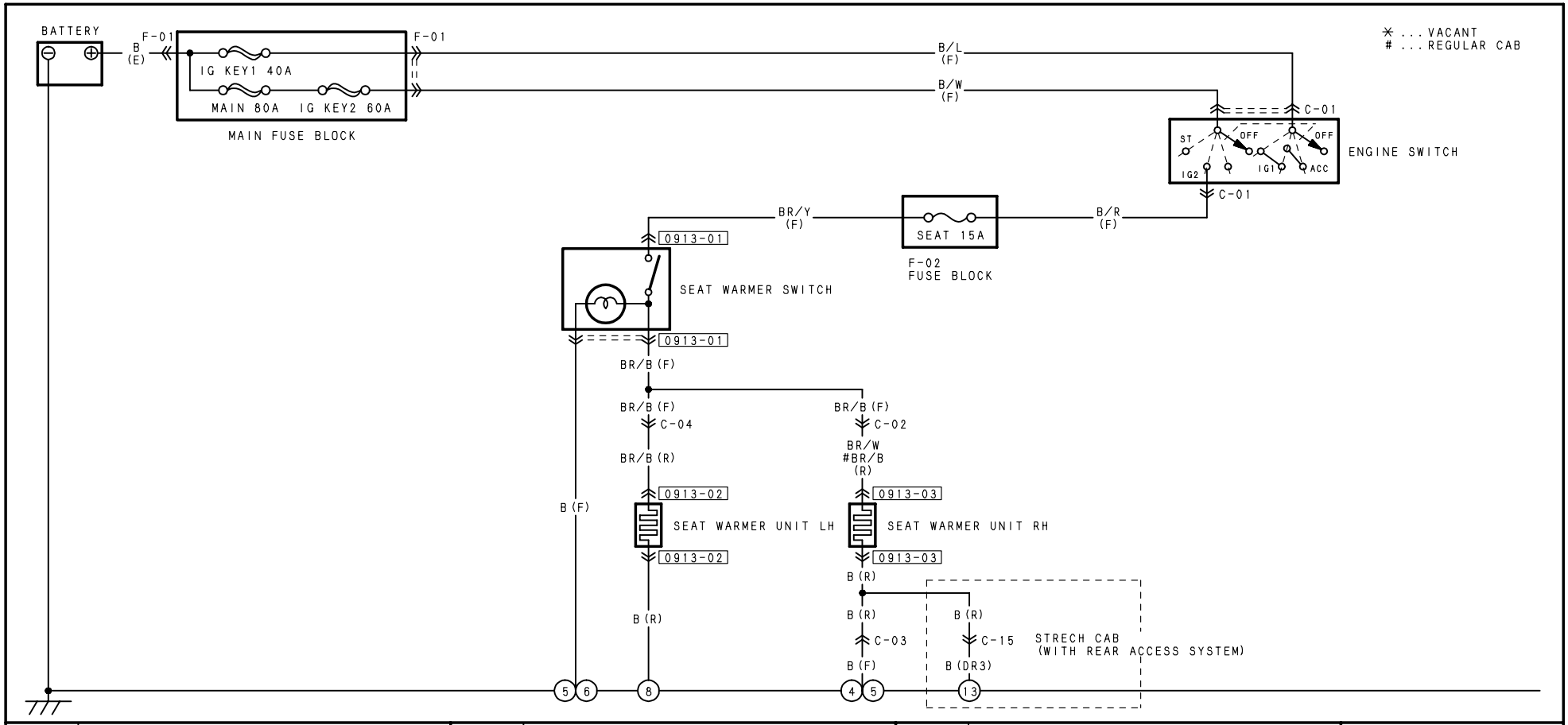
www.truck-freeworkshop.com

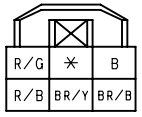
HARNESS SYMBOL: (F) (E) (R)





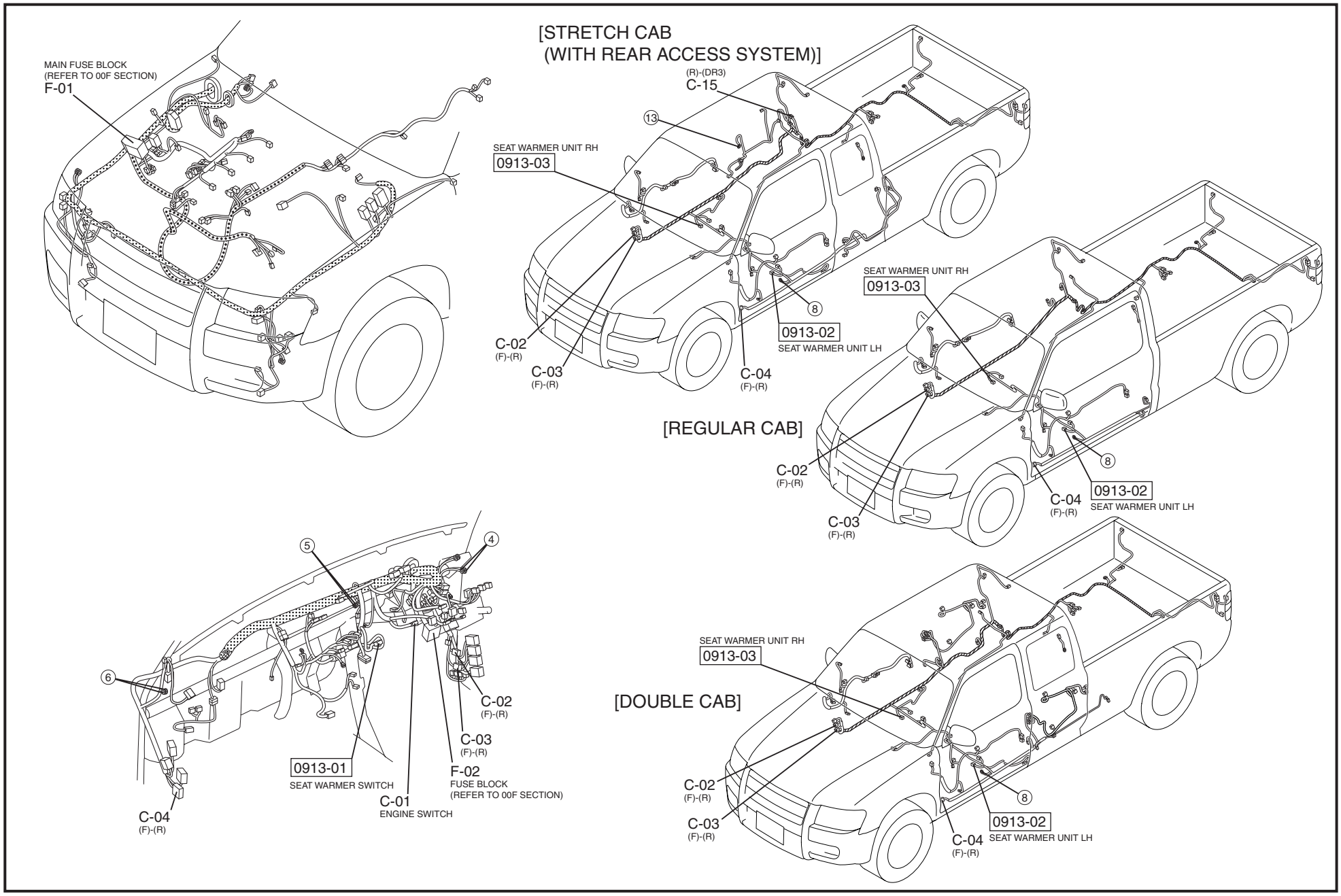
www.truck-freeworkshop.com



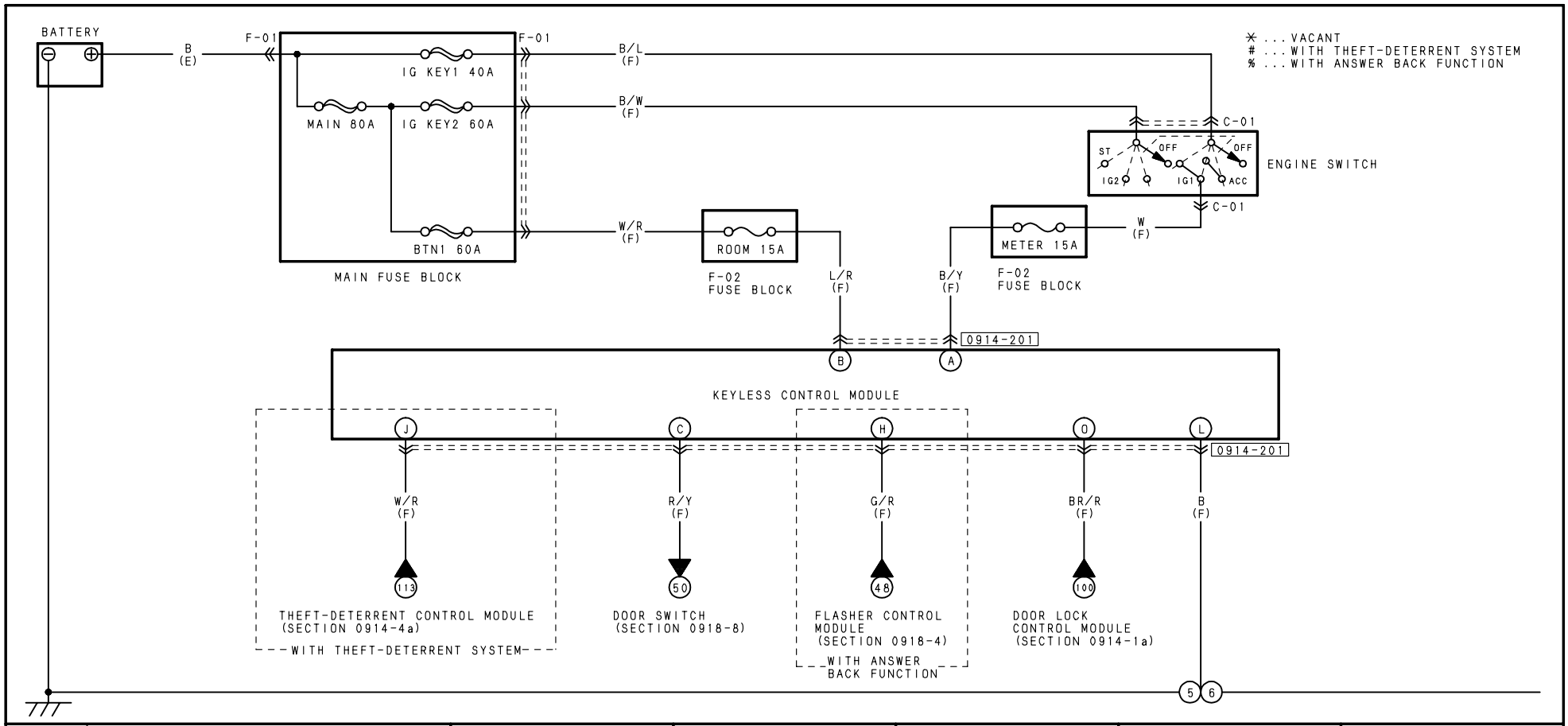
0913-01 SEAT WARMER SWITCH (F)	0913-02 SEAT WARMER UNIT LH (R)	0913-03 SEAT WARMER UNIT RH (R)	
			

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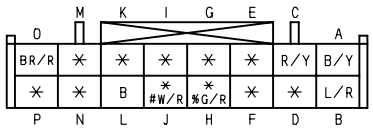
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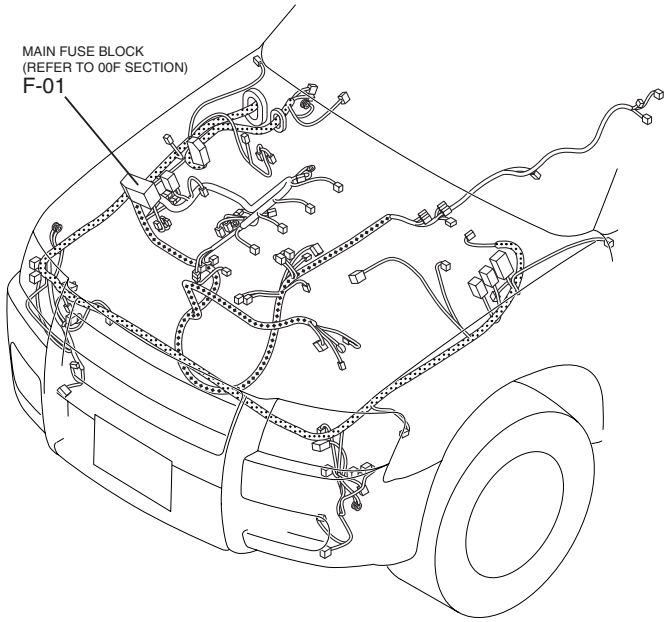


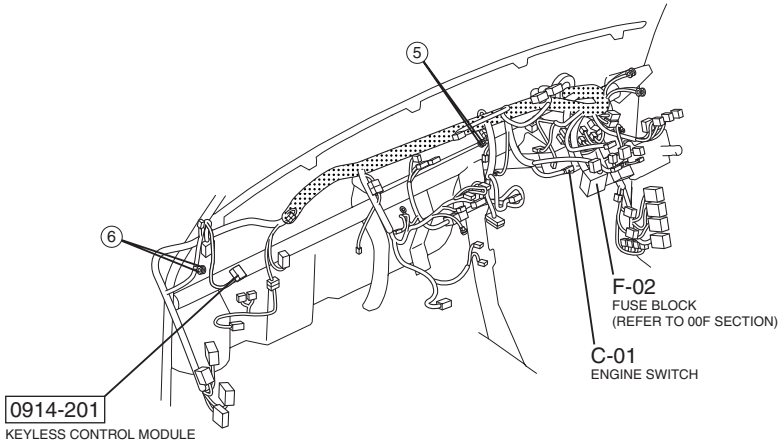
0914-201 KEYLESS CONTROL MODULE (F)



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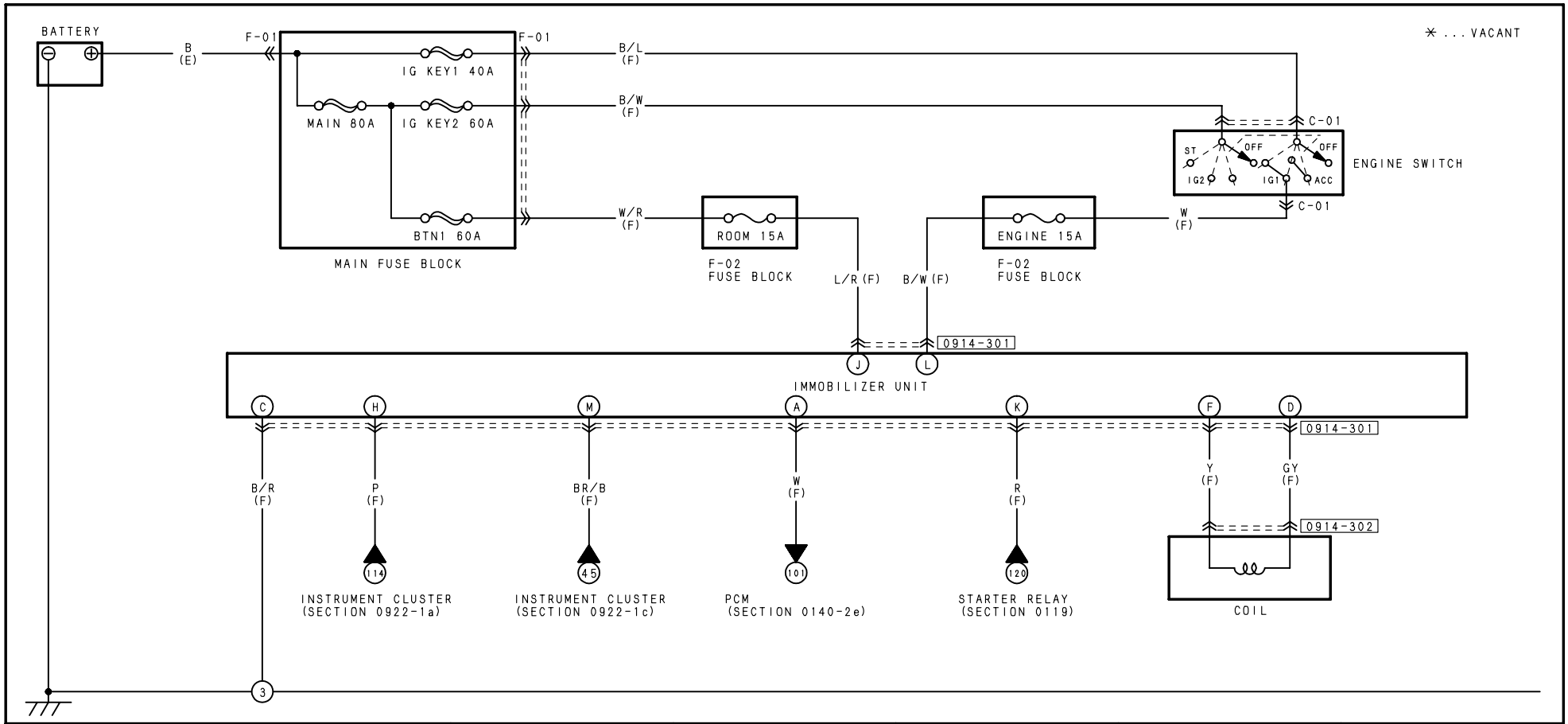
HARNESS SYMBOL: (F) (E) (R)



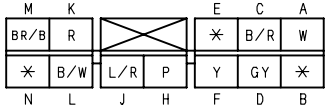


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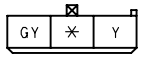
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0914-301 IMMOBILIZER UNIT(F)

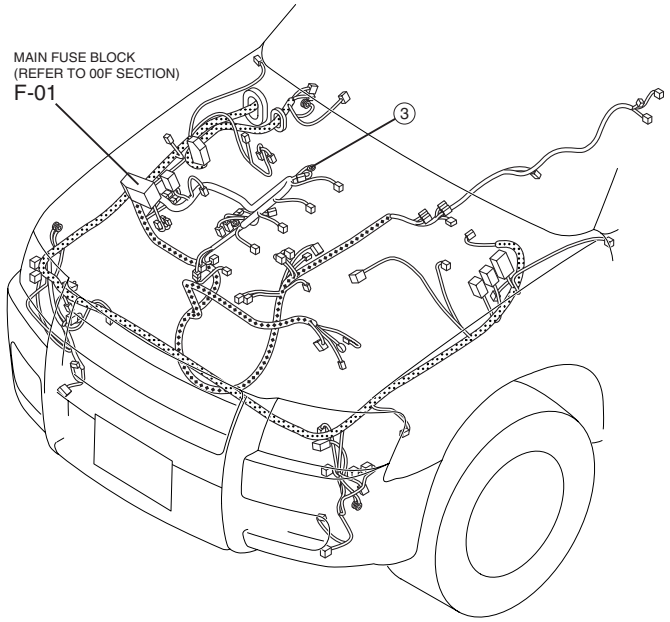


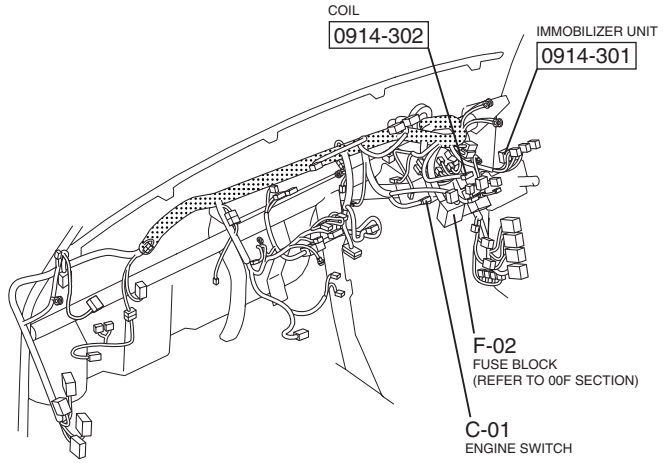
0914-302 COIL(F)



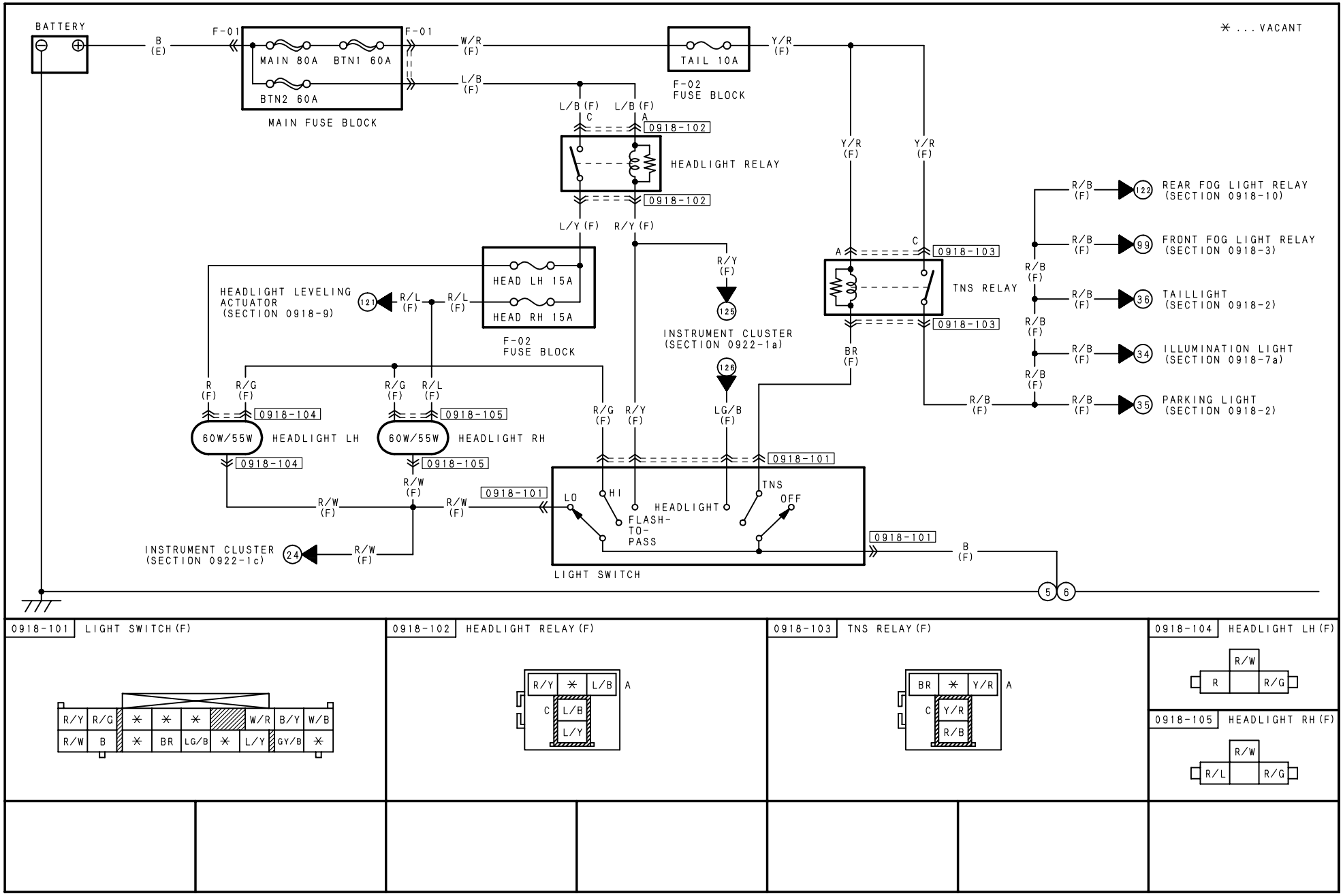
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HARNESS SYMBOL: (F) (E) (R)



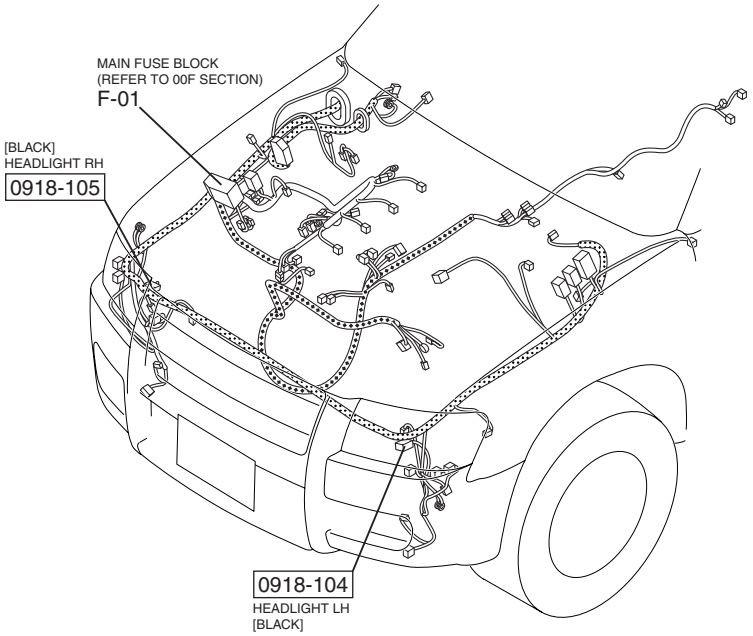


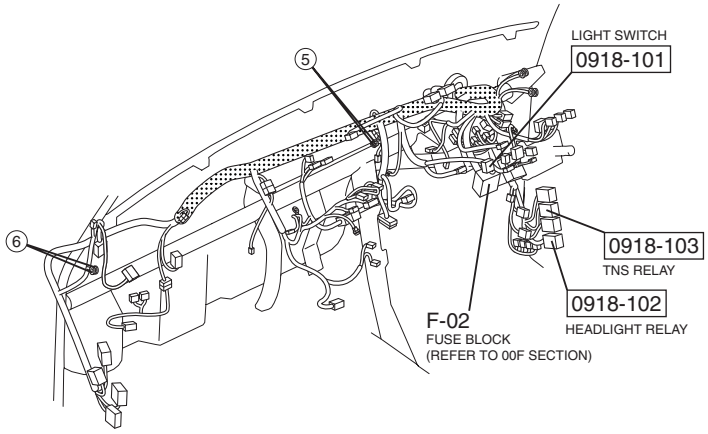
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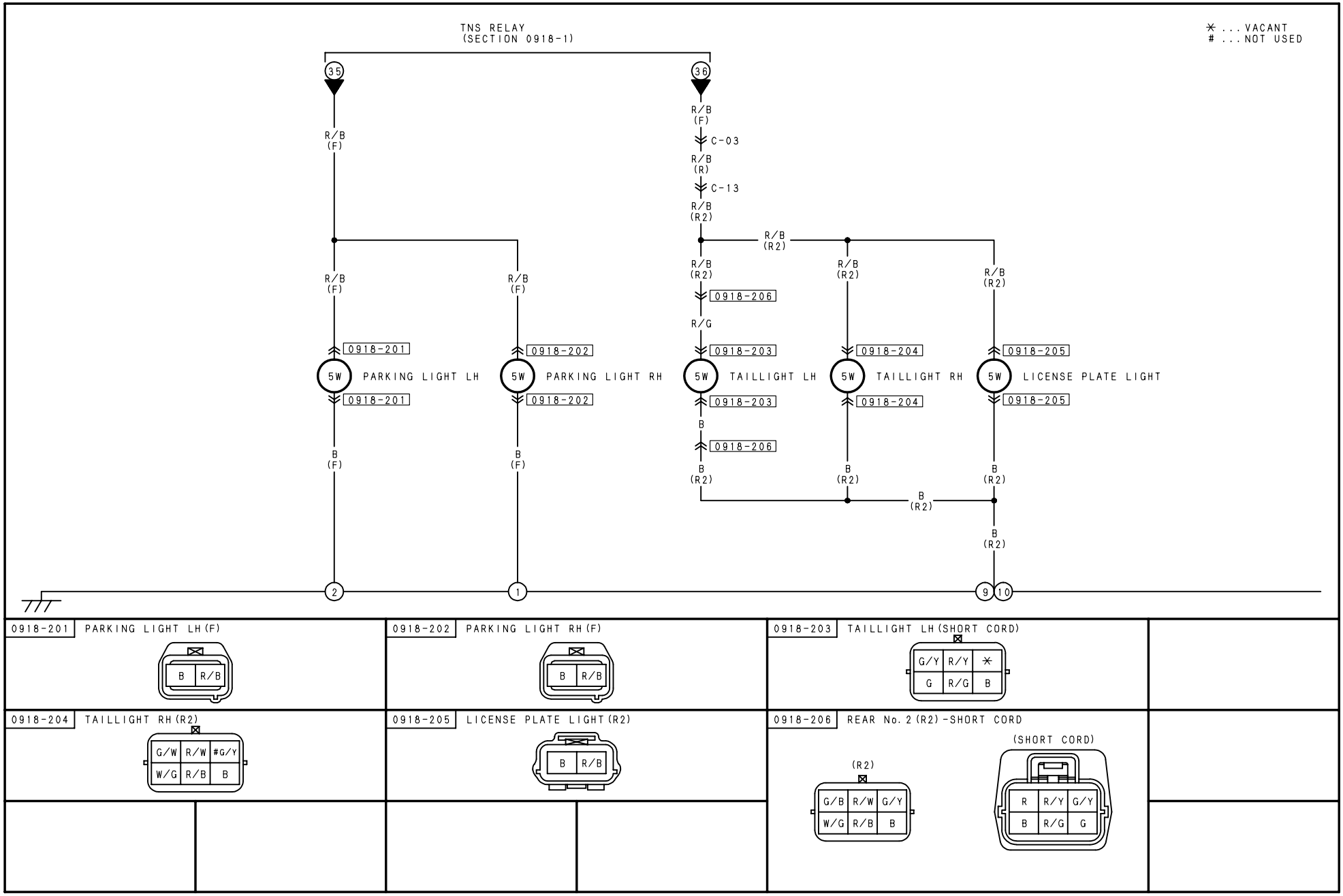
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HARNESS SYMBOL: (F) (E) (R)





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0918-201 PARKING LIGHT LH (F)

0918-202 PARKING LIGHT RH (F)

0918-203 TAILLIGHT LH (SHORT CORD)

0918-204 TAILLIGHT RH (R2)

0918-205 LICENSE PLATE LIGHT (R2)

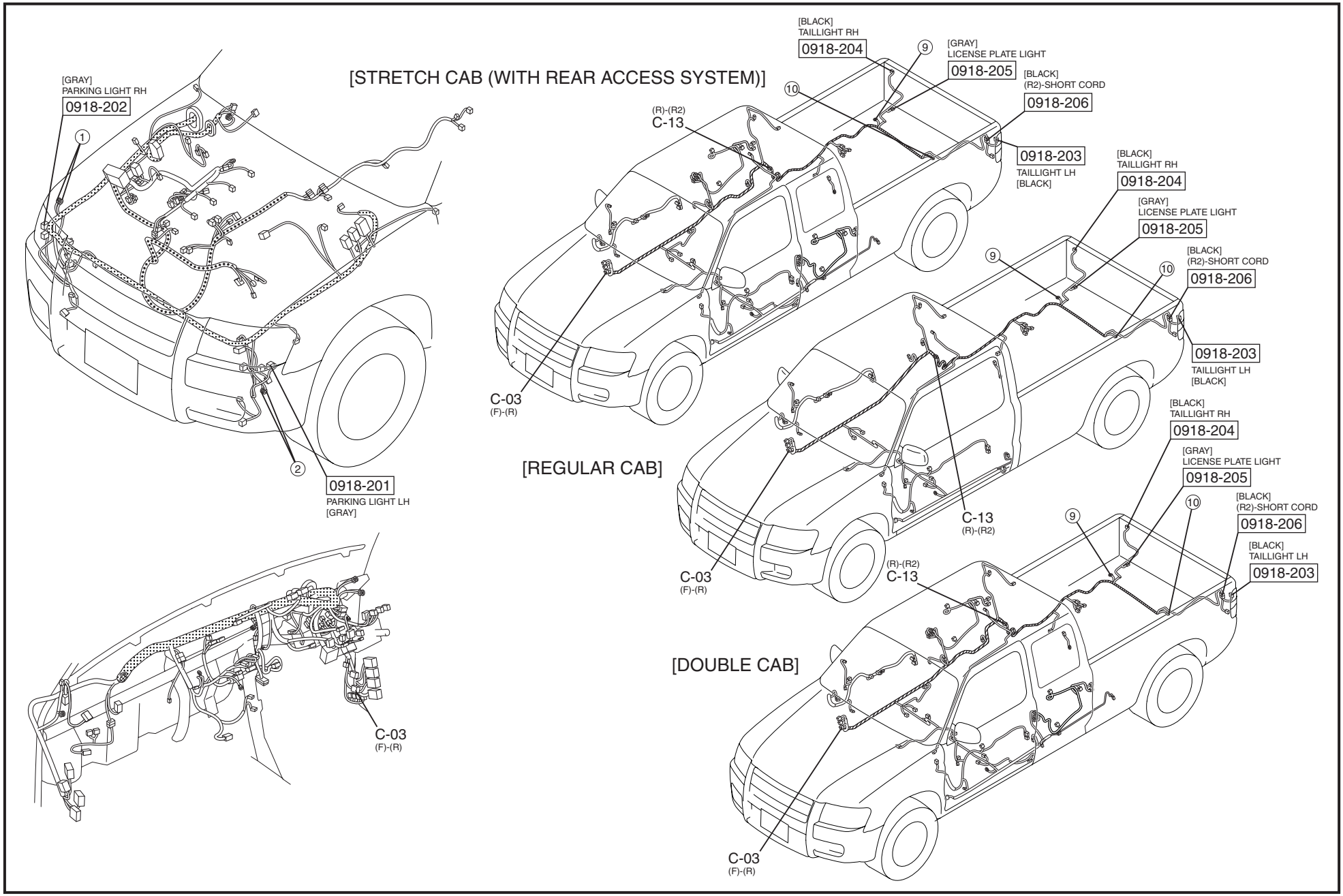
0918-206 REAR No. 2 (R2) -SHORT CORD

(R2)

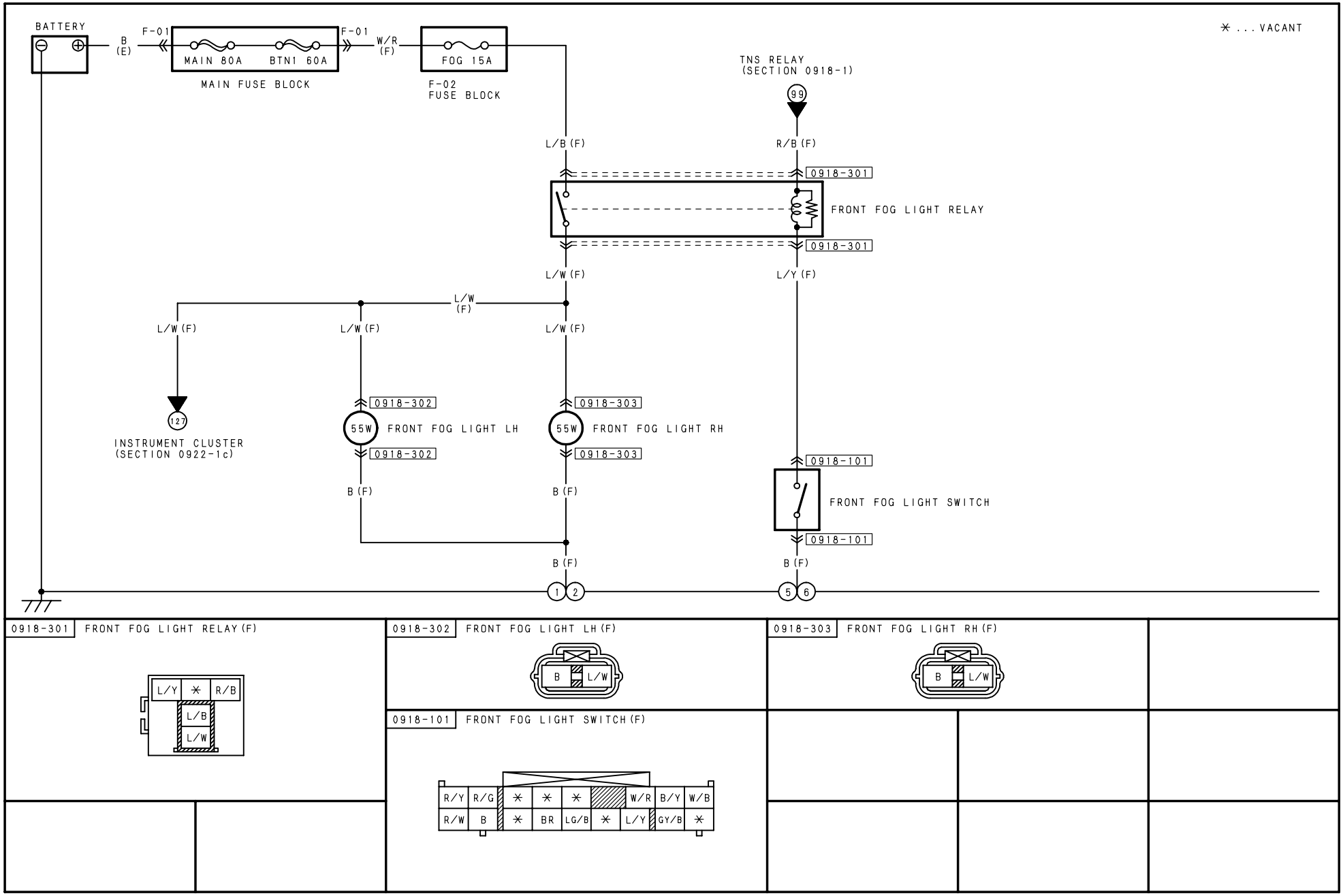
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HARNESS SYMBOL: (F) (E) (R)

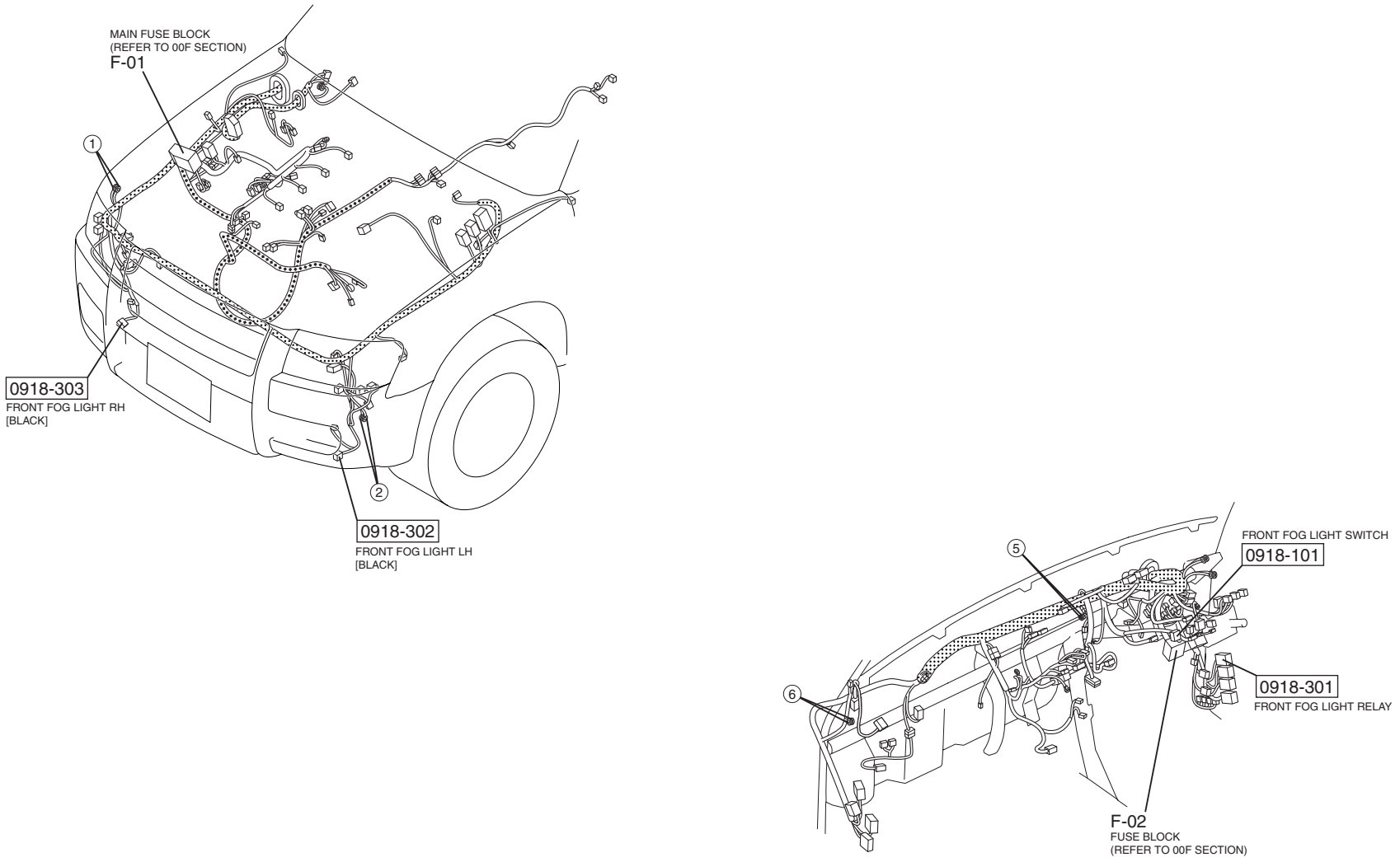


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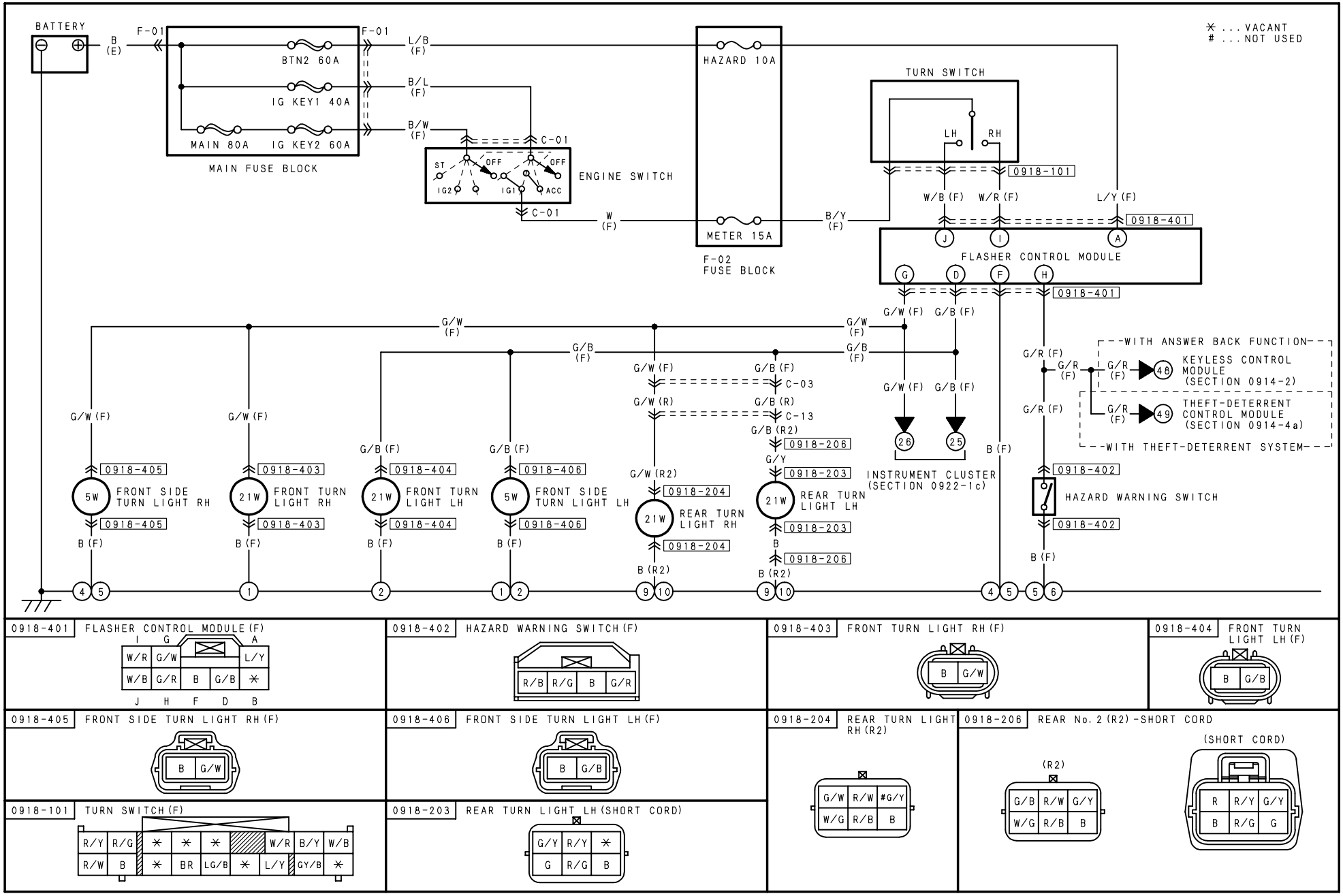


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HARNESS SYMBOL: (F) (E) (R)

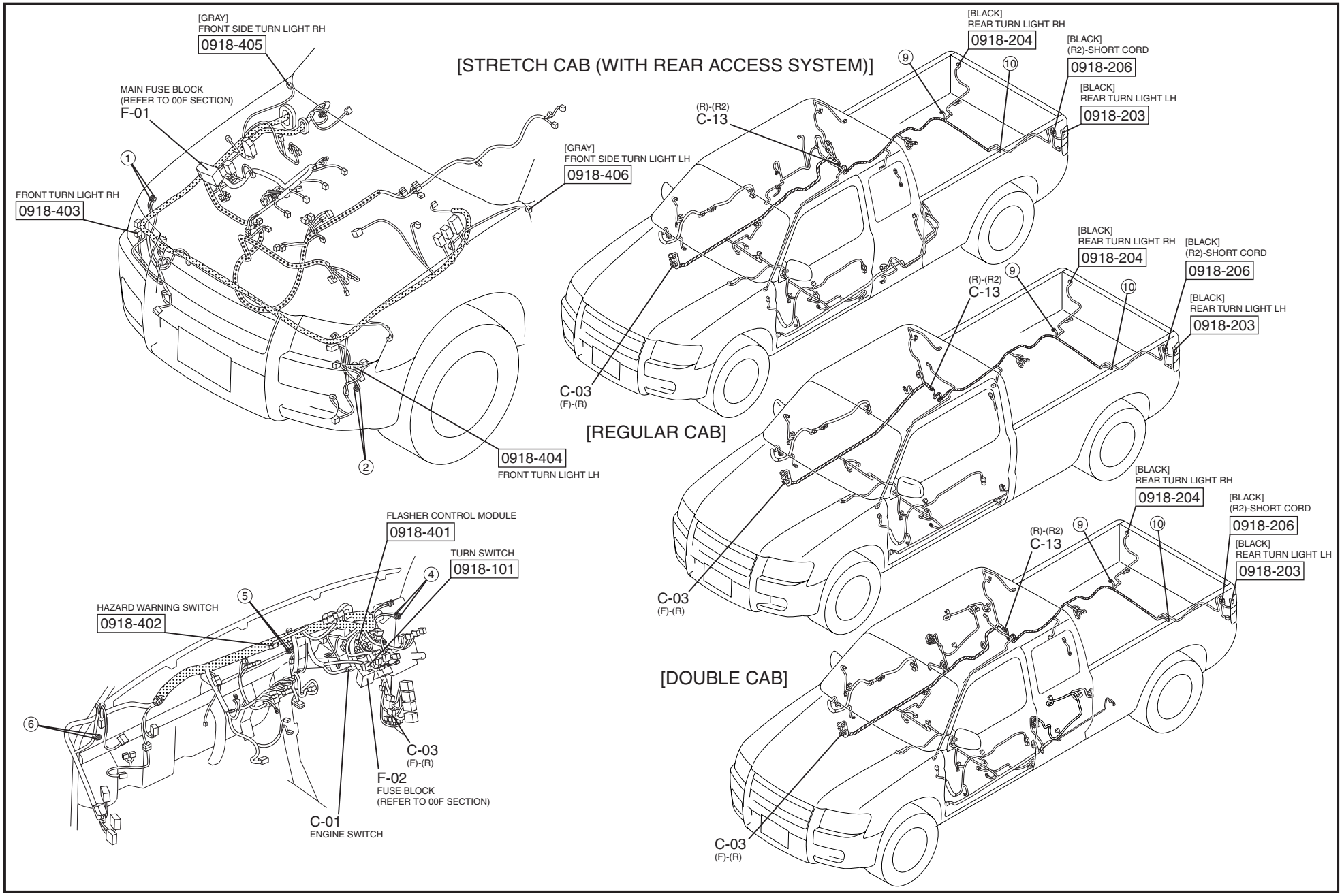


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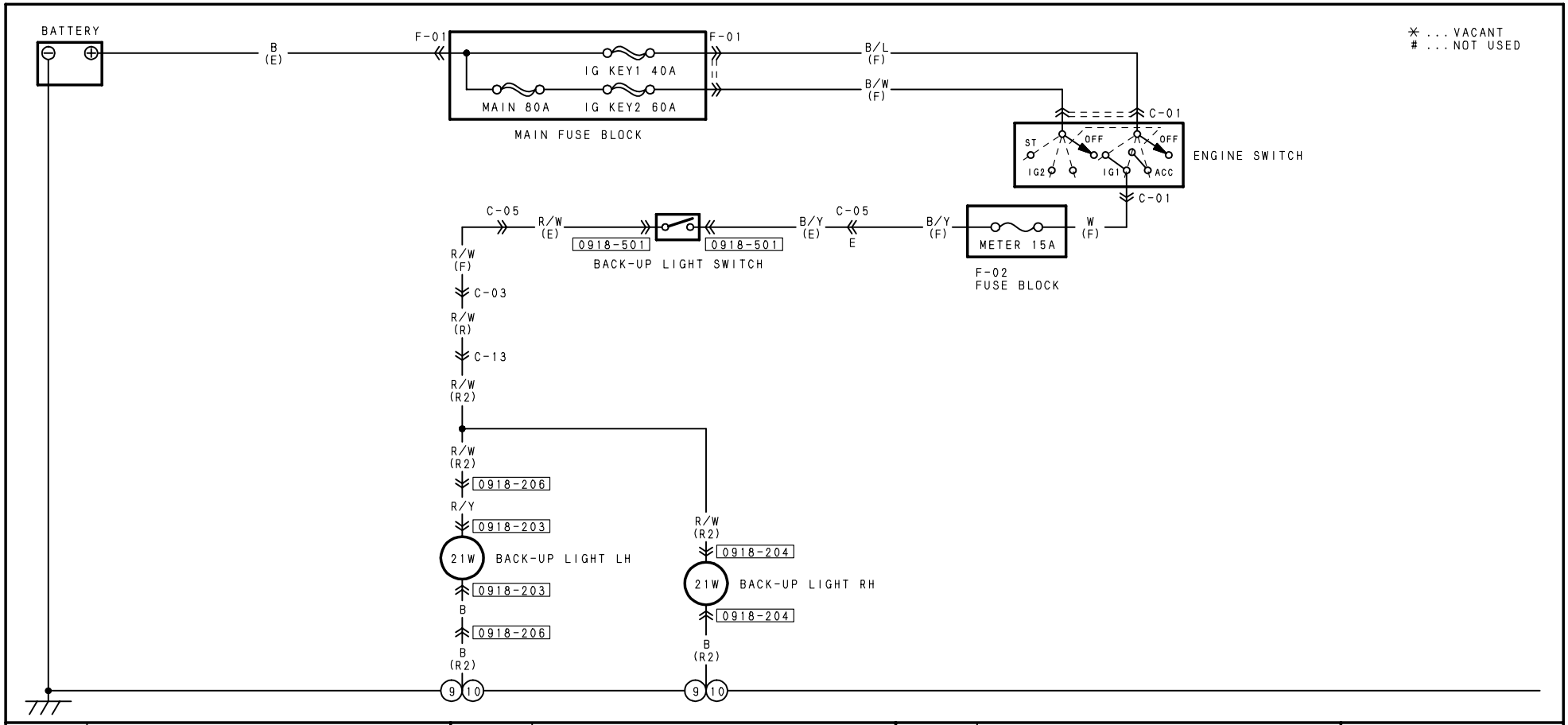


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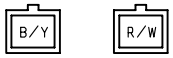
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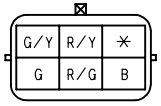
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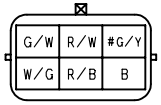
0918-501 BACK-UP LIGHT SWITCH (E)



0918-203 BACK-UP LIGHT LH (SHORT CORD)

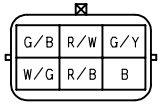


0918-204 BACK-UP LIGHT RH (R2)

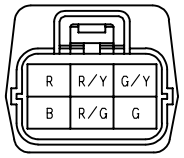


0918-206 REAR No. 2 (R2) -SHORT CORD

(R2)

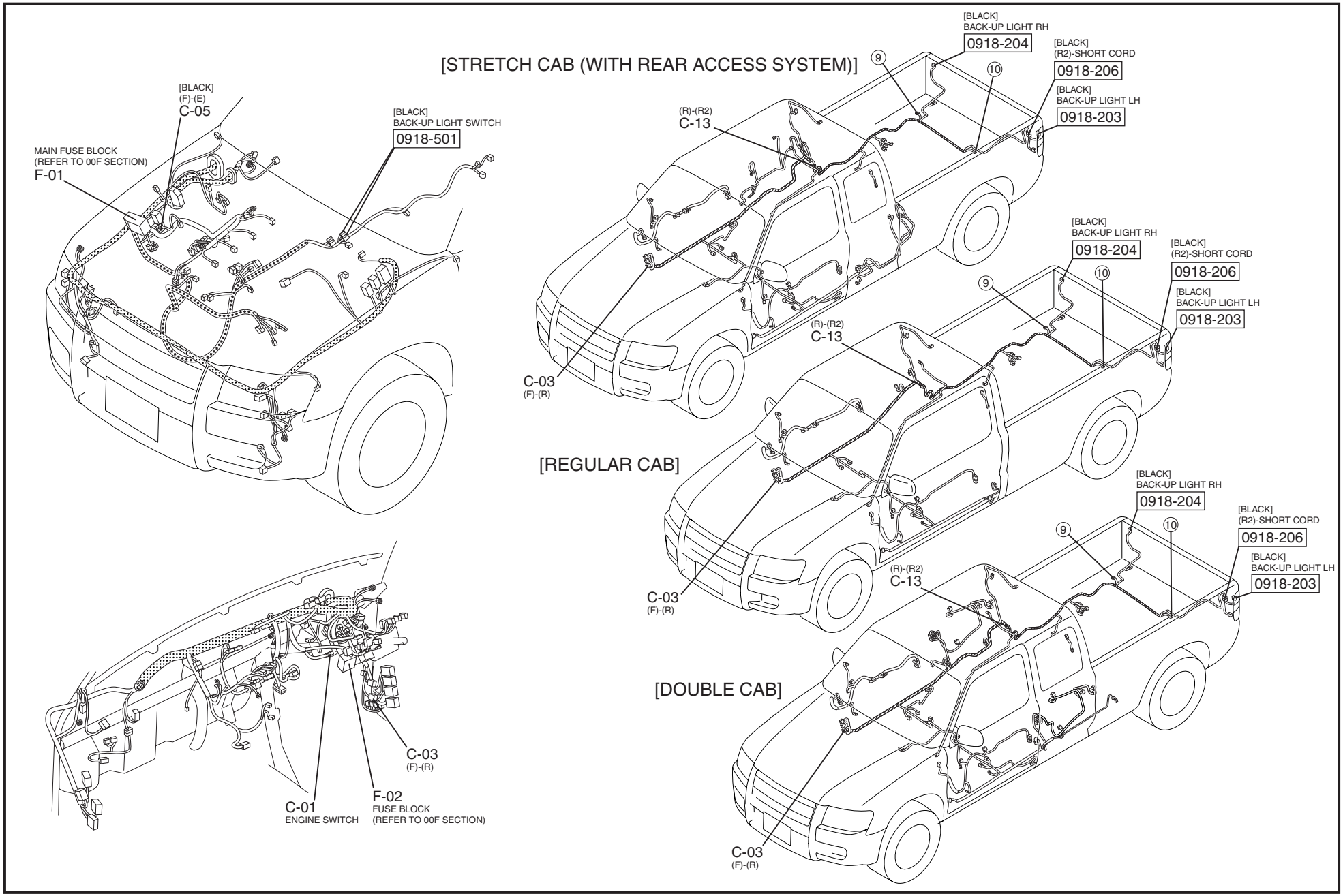


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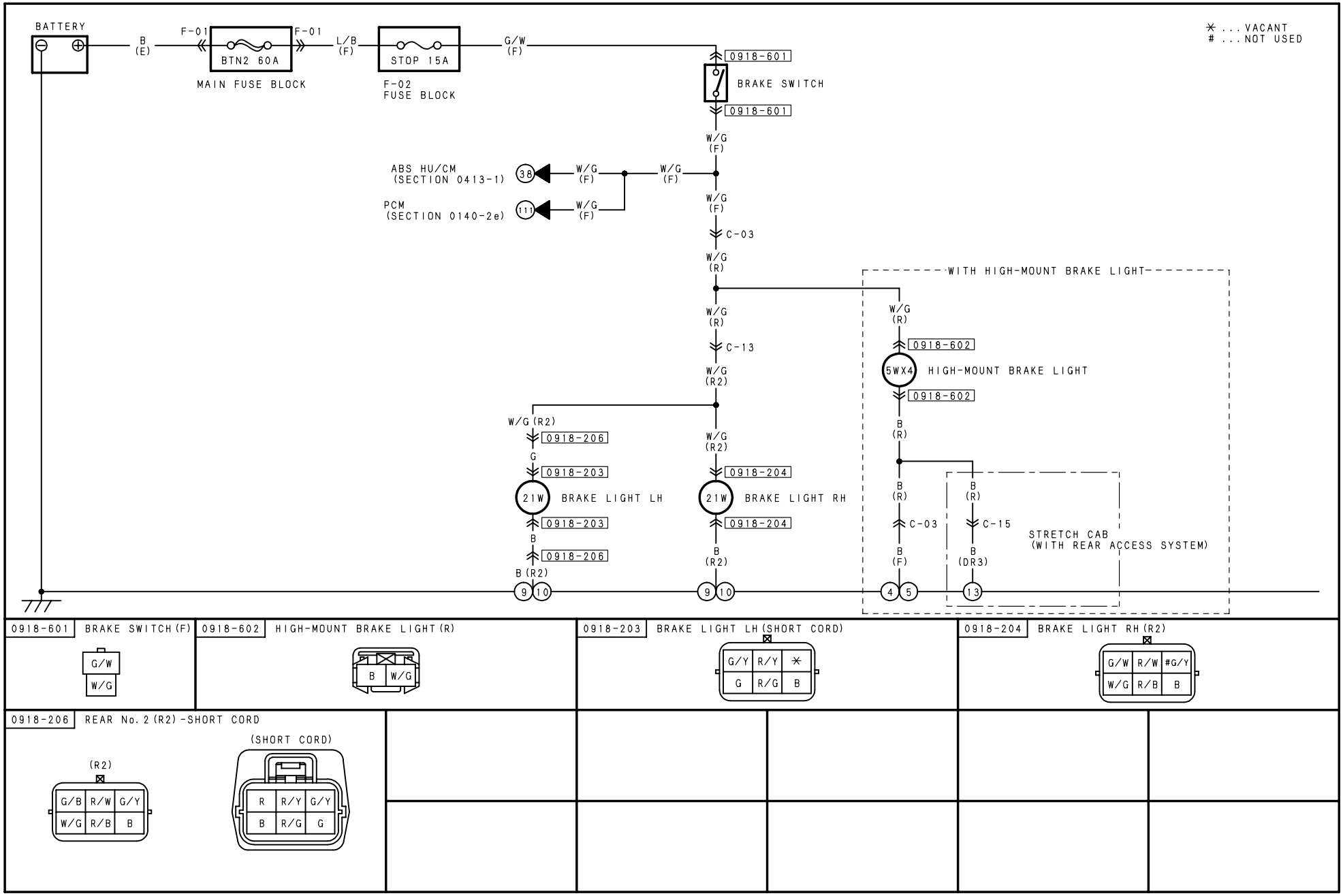


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HARNESS SYMBOL: (F) (E) (R)



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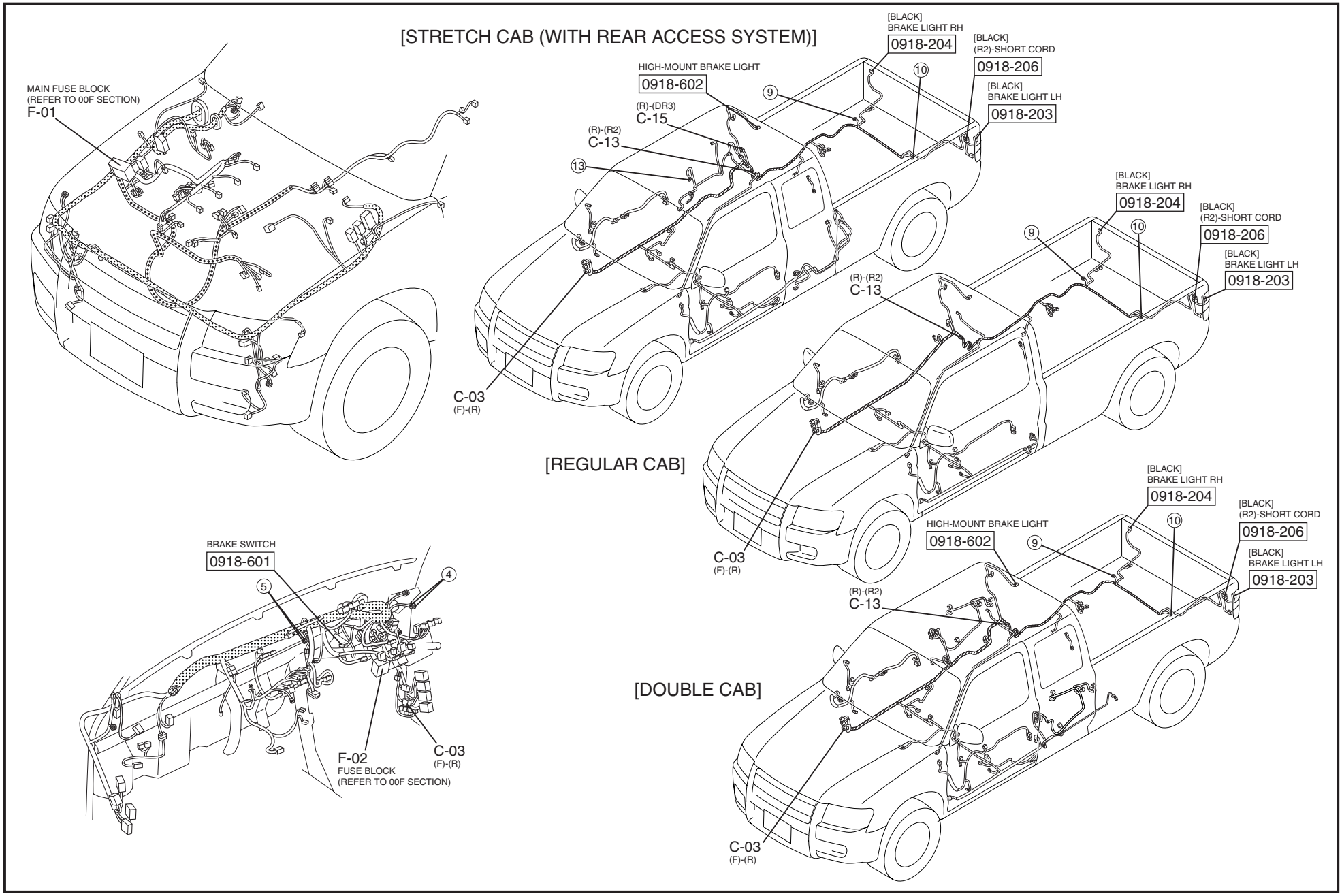


0918-601 BRAKE SWITCH (F)	0918-602 HIGH-MOUNT BRAKE LIGHT (R)	0918-203 BRAKE LIGHT LH (SHORT CORD)	0918-204 BRAKE LIGHT RH (R2)

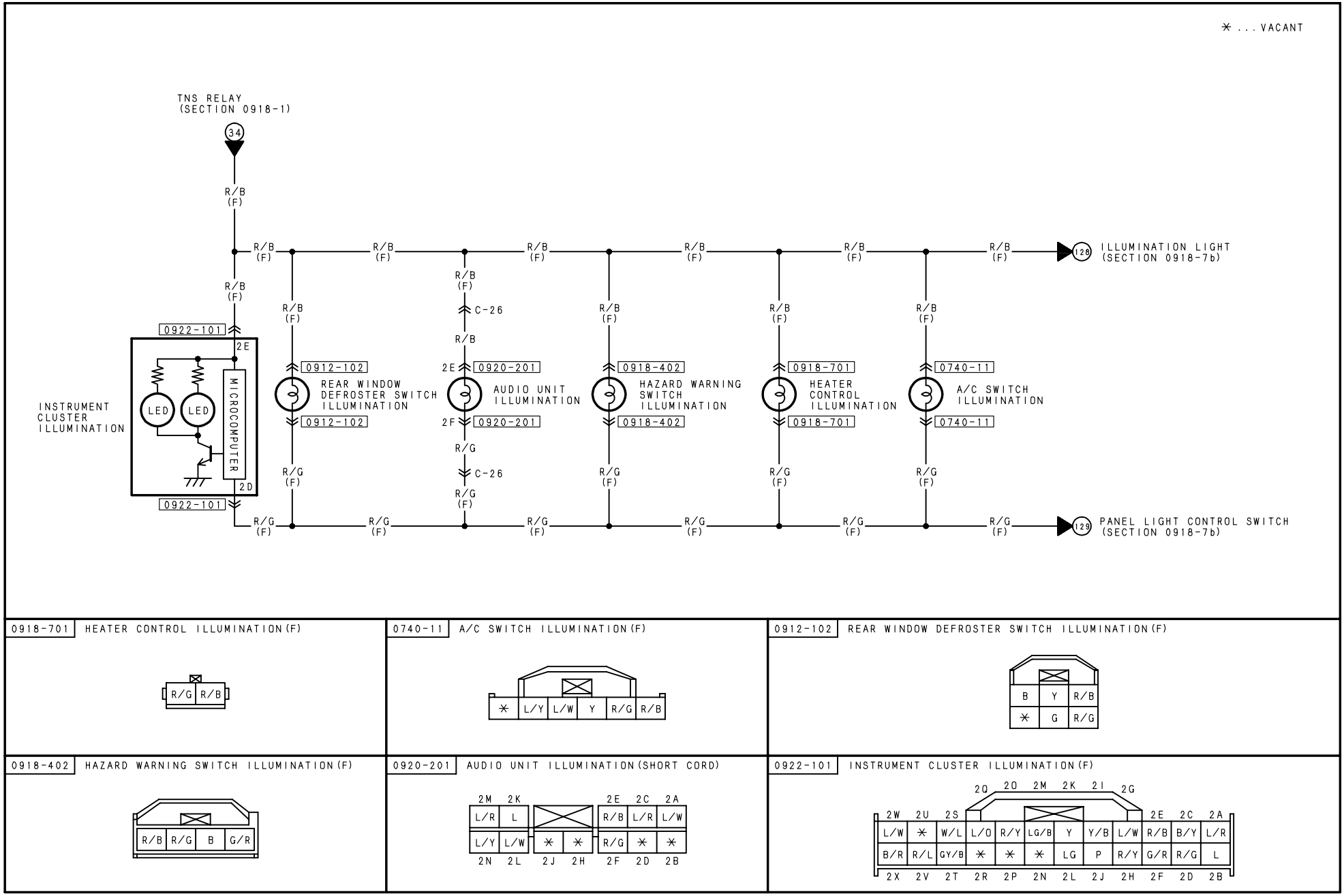
0918-206 REAR No. 2 (R2) -SHORT CORD

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HARNESS SYMBOL: (F) (E) (R)



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0918-701 HEATER CONTROL ILLUMINATION (F)

0740-11 A/C SWITCH ILLUMINATION (F)

0912-102 REAR WINDOW DEFROSTER SWITCH ILLUMINATION (F)

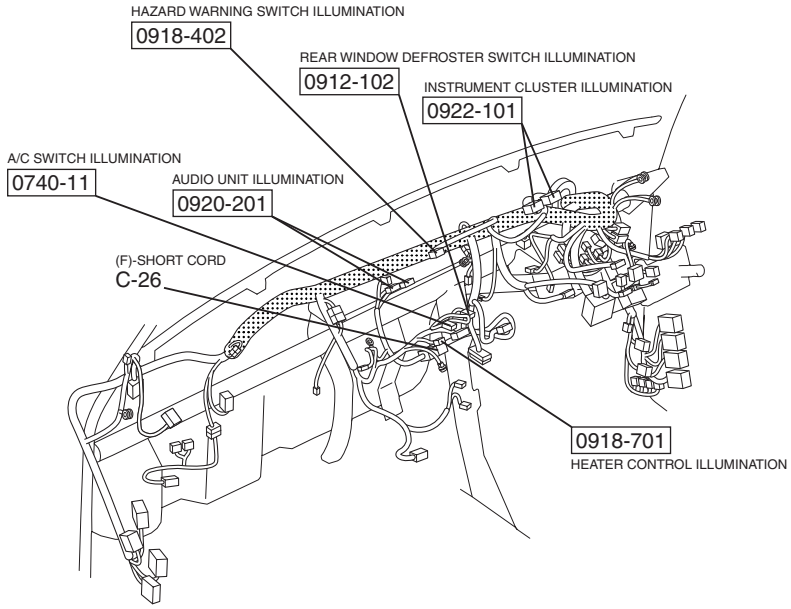
0918-402 HAZARD WARNING SWITCH ILLUMINATION (F)

0920-201 AUDIO UNIT ILLUMINATION (SHORT CORD)

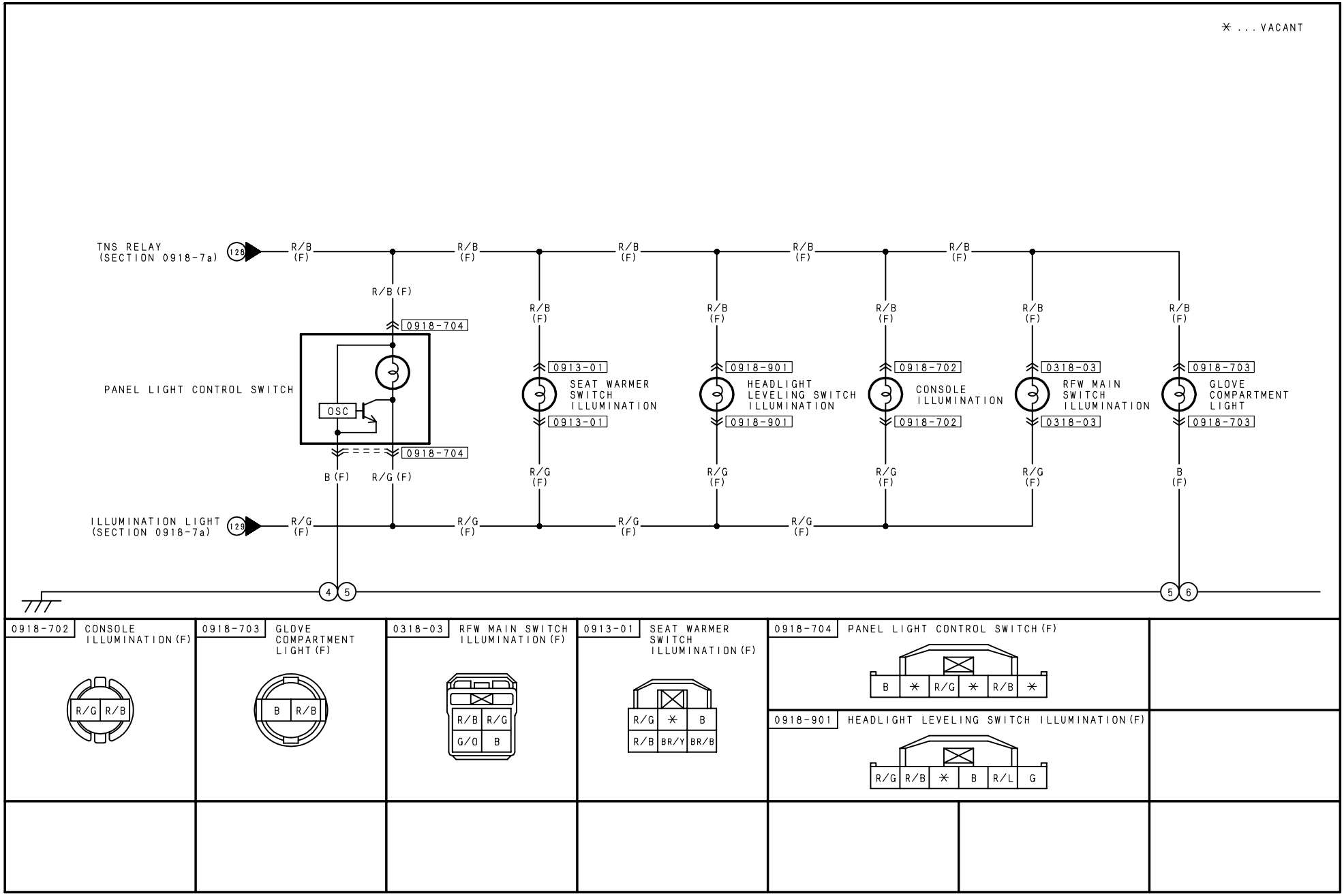
0922-101 INSTRUMENT CLUSTER ILLUMINATION (F)

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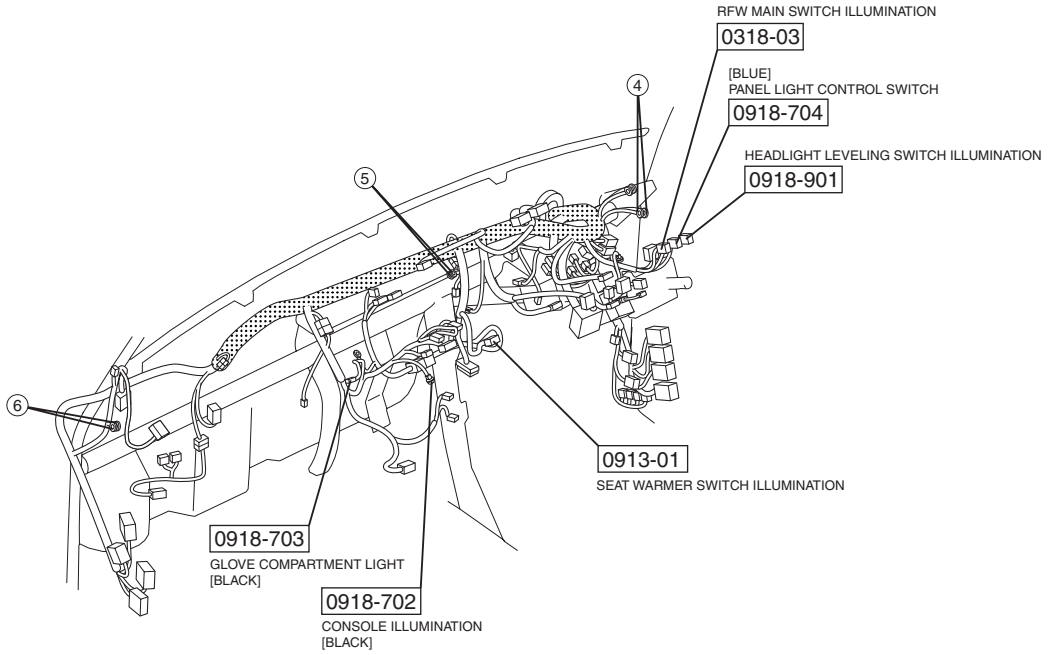


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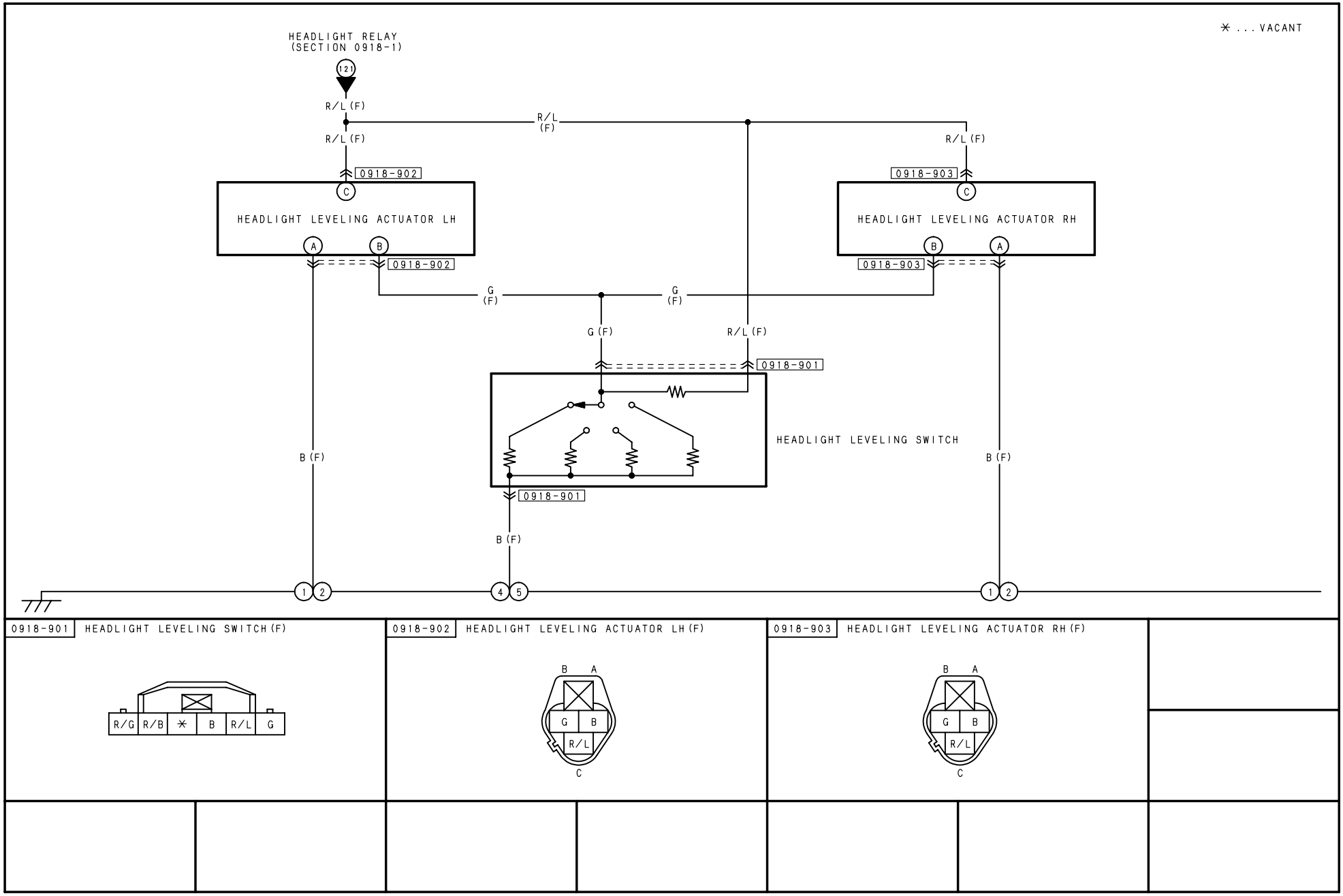


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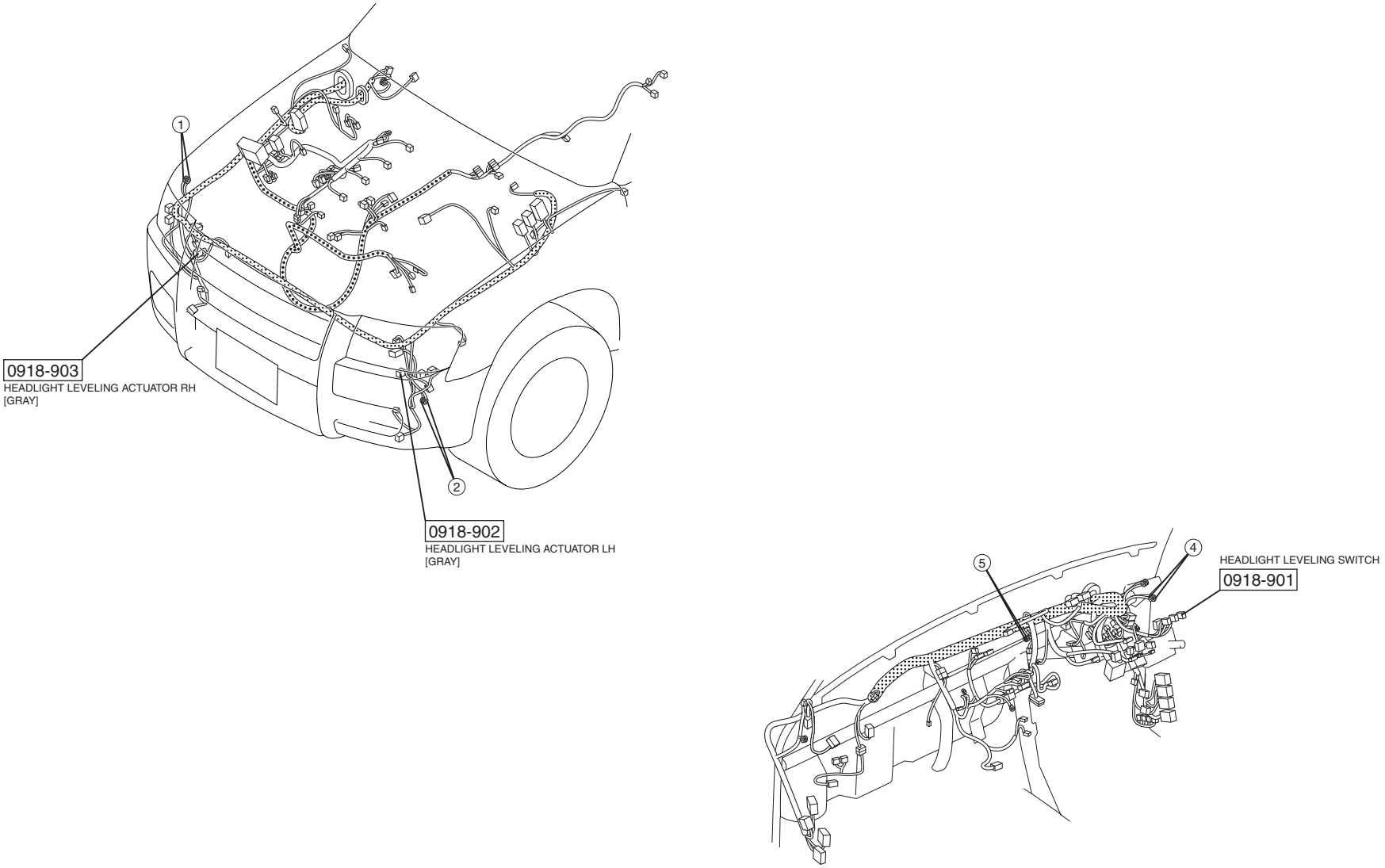


www.truck-freeworkshop.com

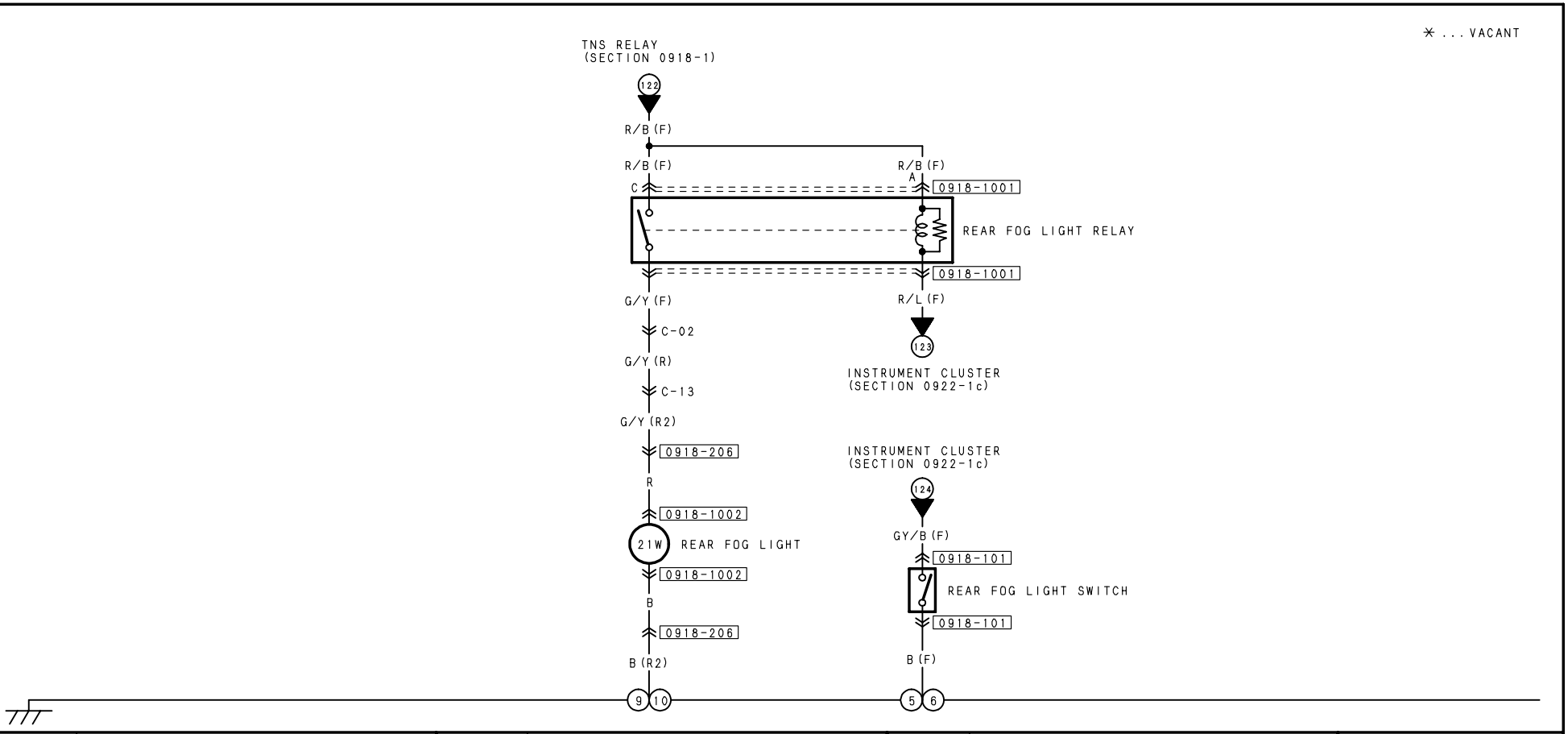


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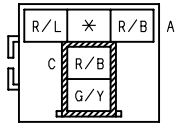
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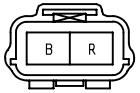
www.truck-freeworkshop.com



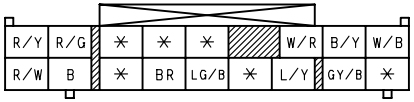
0918-1001 REAR FOG LIGHT RELAY (F)



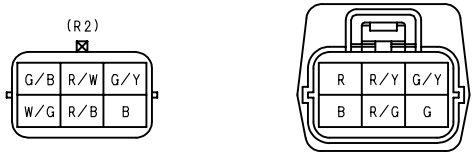
0918-1002 REAR FOG LIGHT (SHORT CORD)



0918-101 REAR FOG LIGHT SWITCH (F)

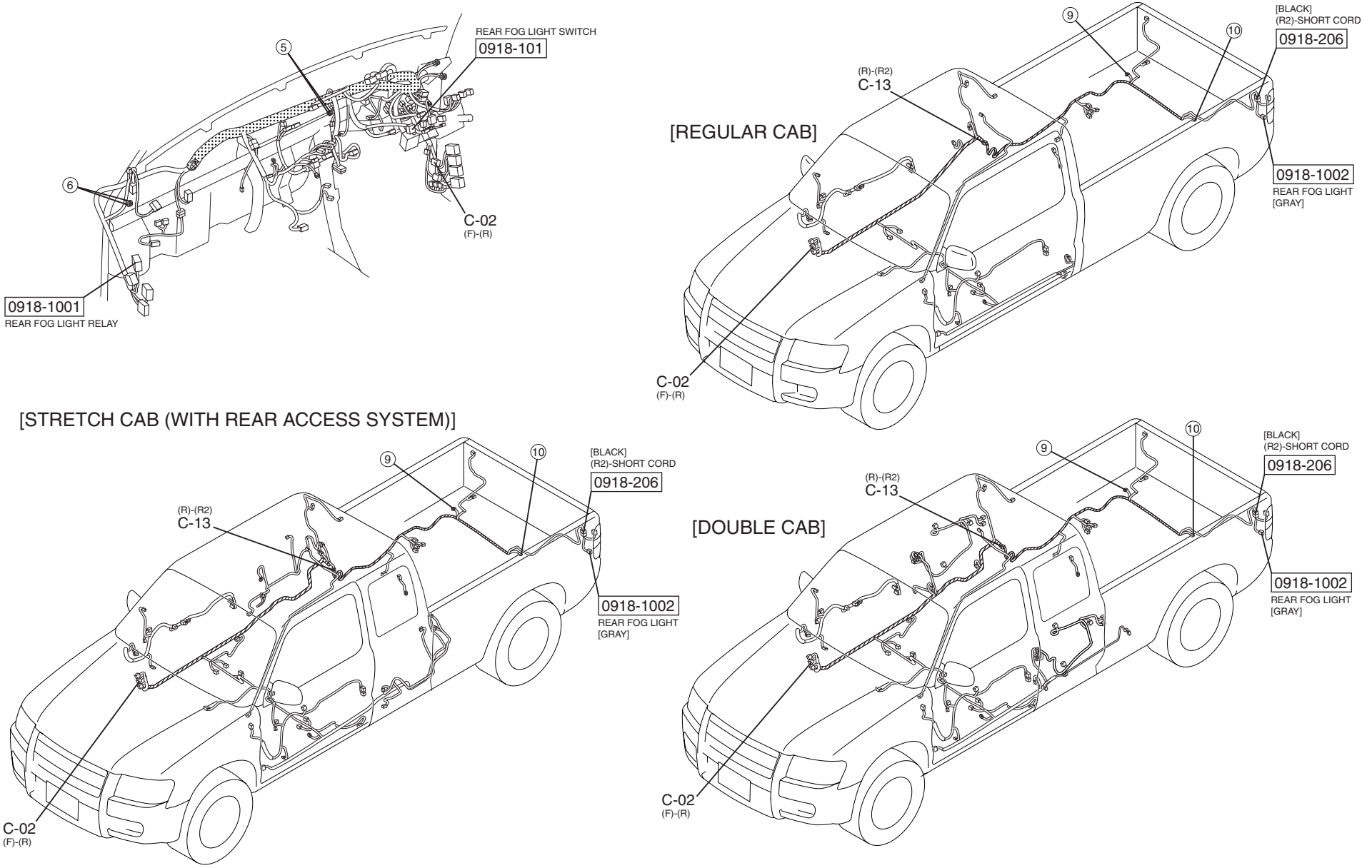


0918-206 REAR No. 2 (R2) -SHORT CORD (SHORT CORD)

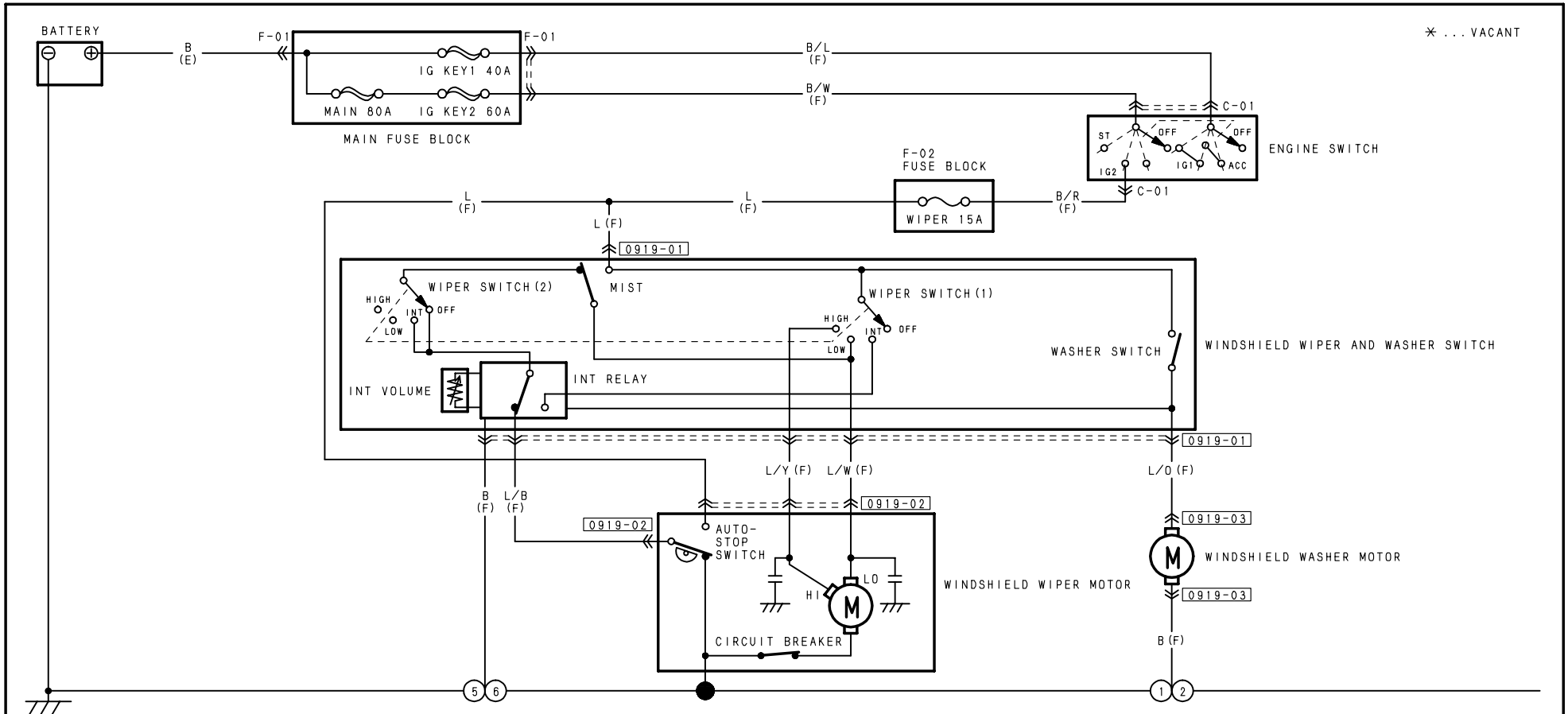


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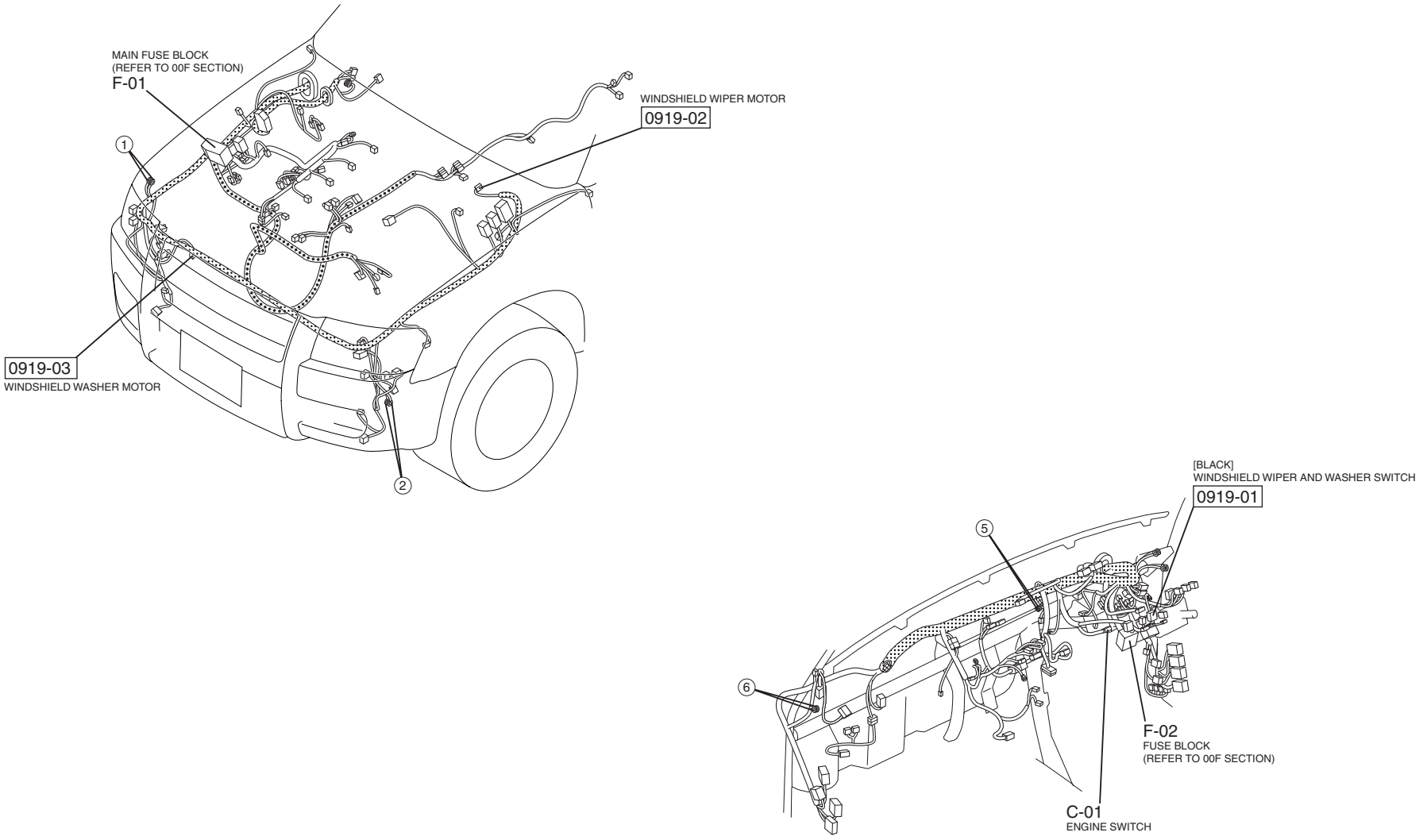
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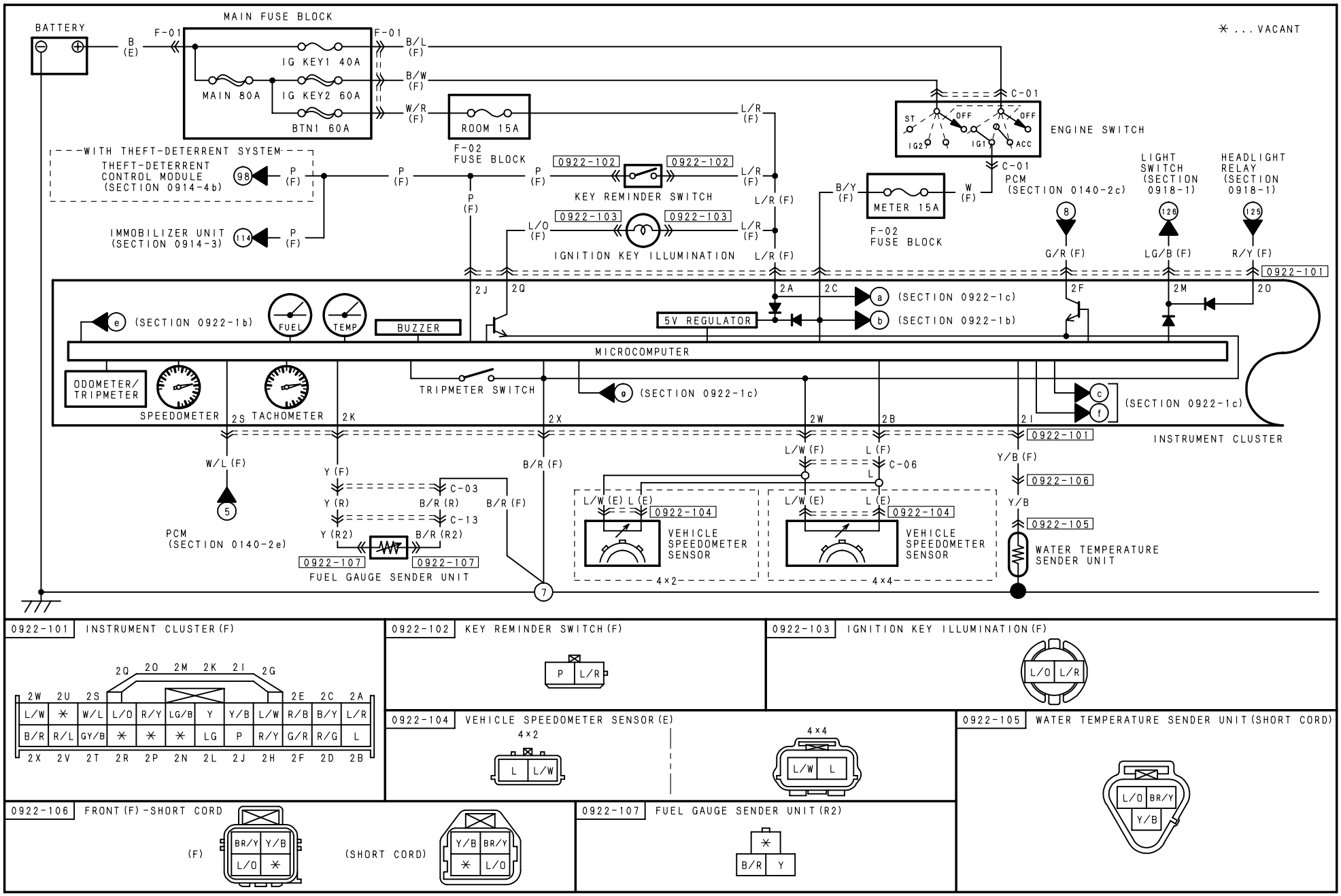
0919-01 WINDSHIELD WIPER AND WASHER SWITCH (F)	0919-02 WINDSHIELD WIPER MOTOR (F)	0919-03 WINDSHIELD WASHER MOTOR (F)
✳ L/O ✳ L/W ☒ L/Y ✳ ✳ ✳ ✳ B ✳ L/B L ✳	L/W L/Y L L/B	B L/O

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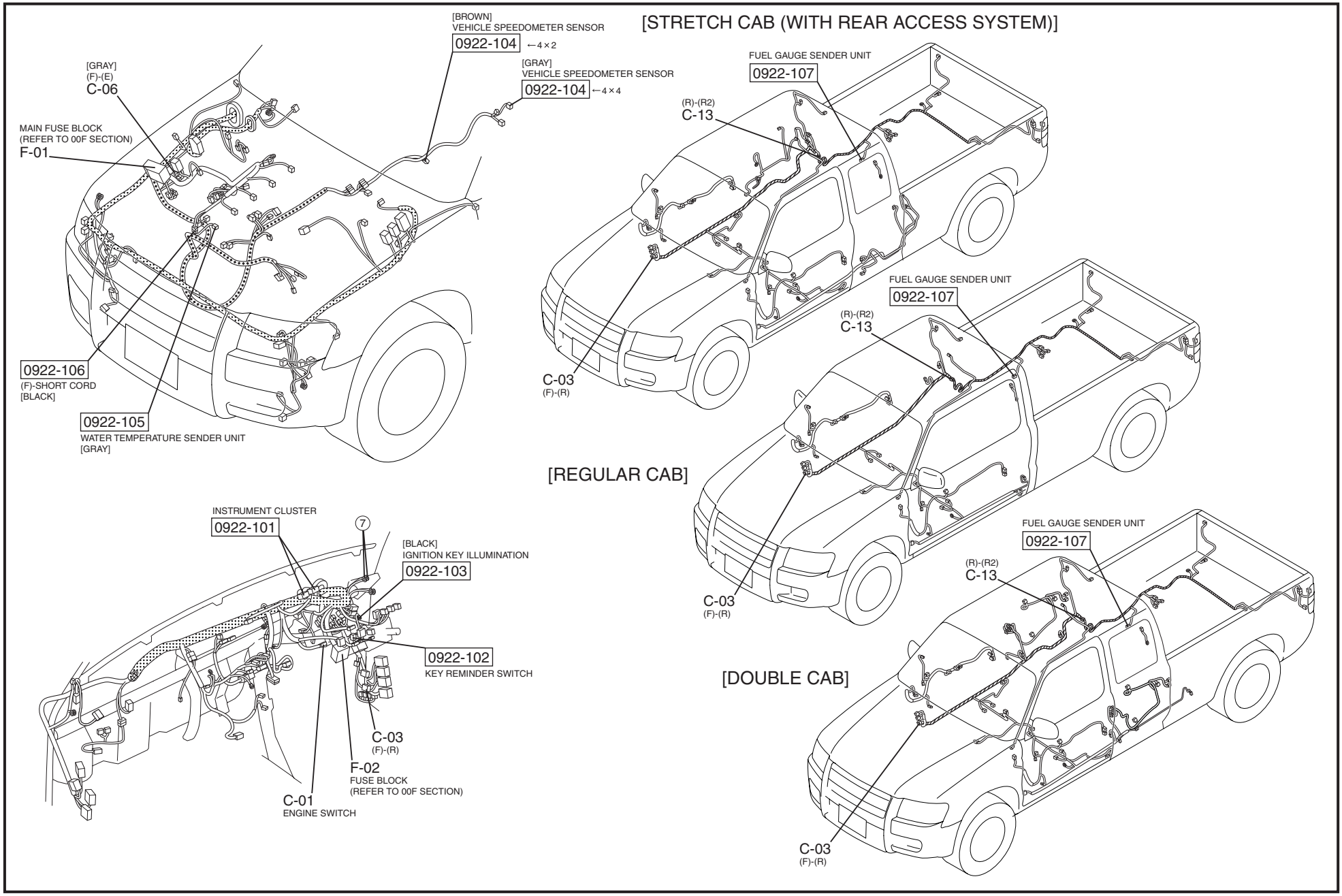


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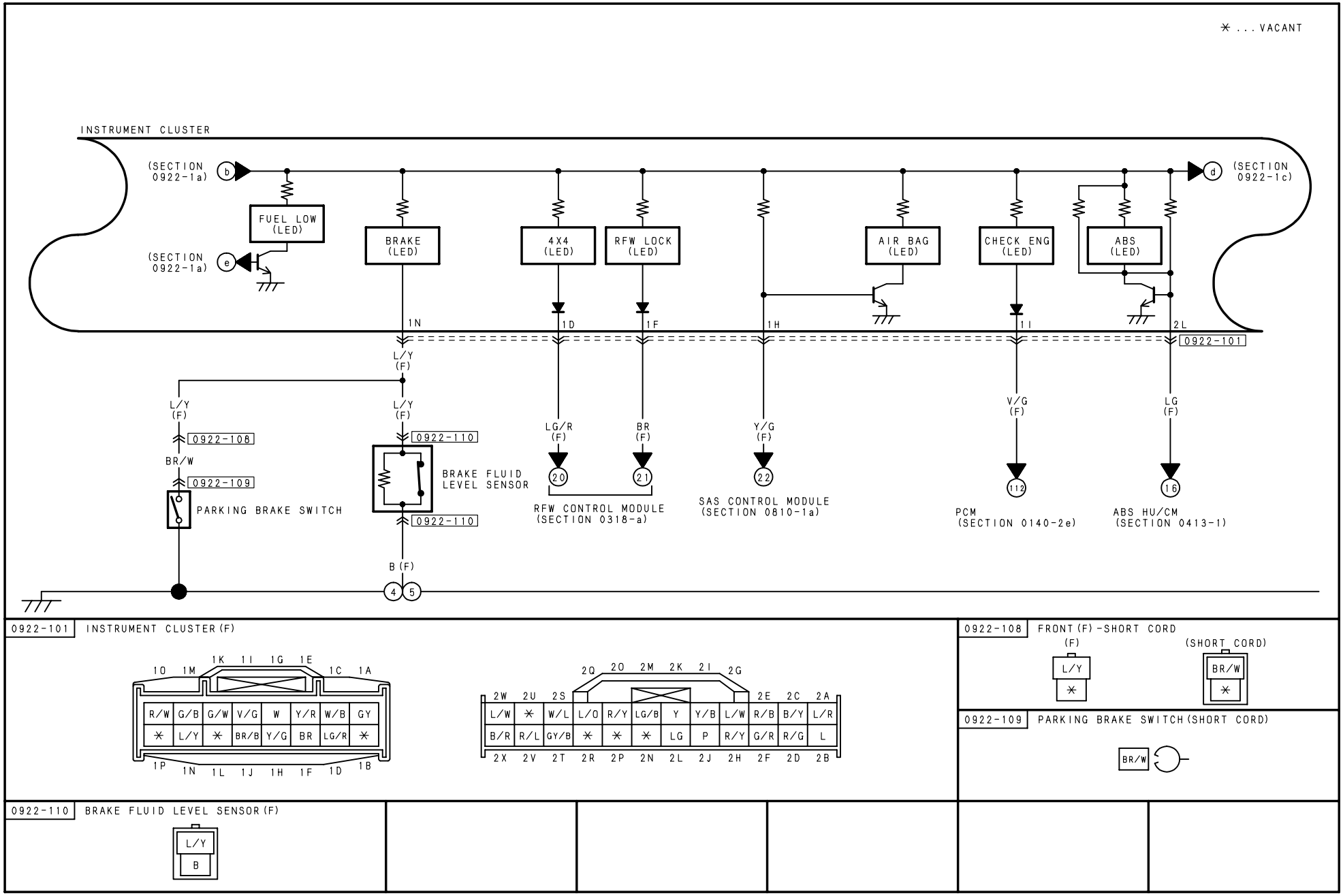


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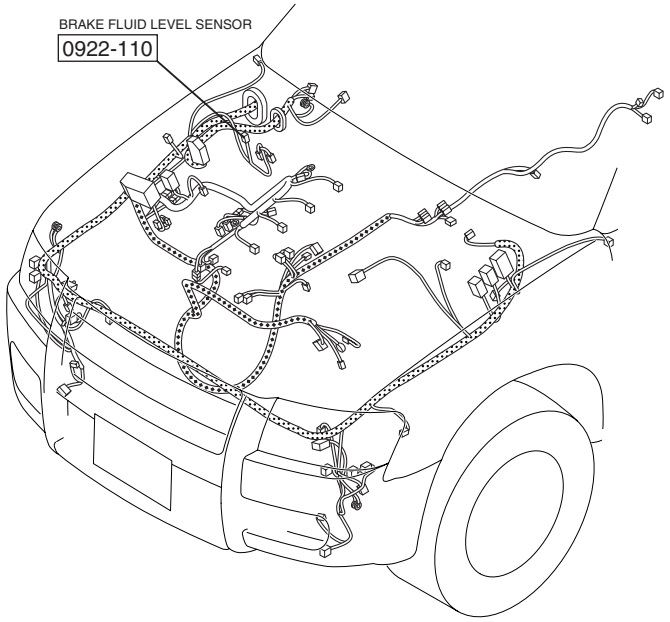


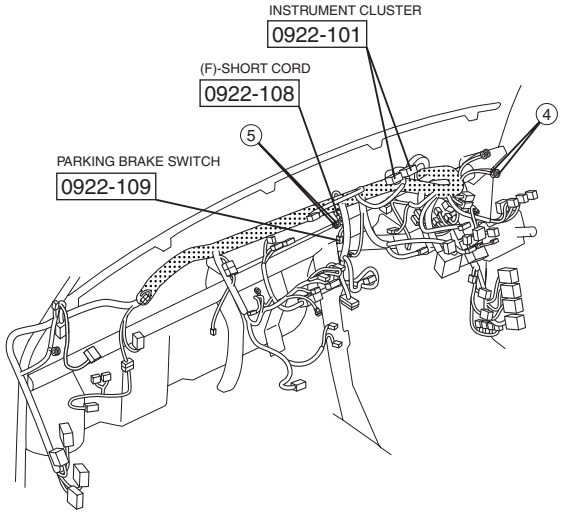
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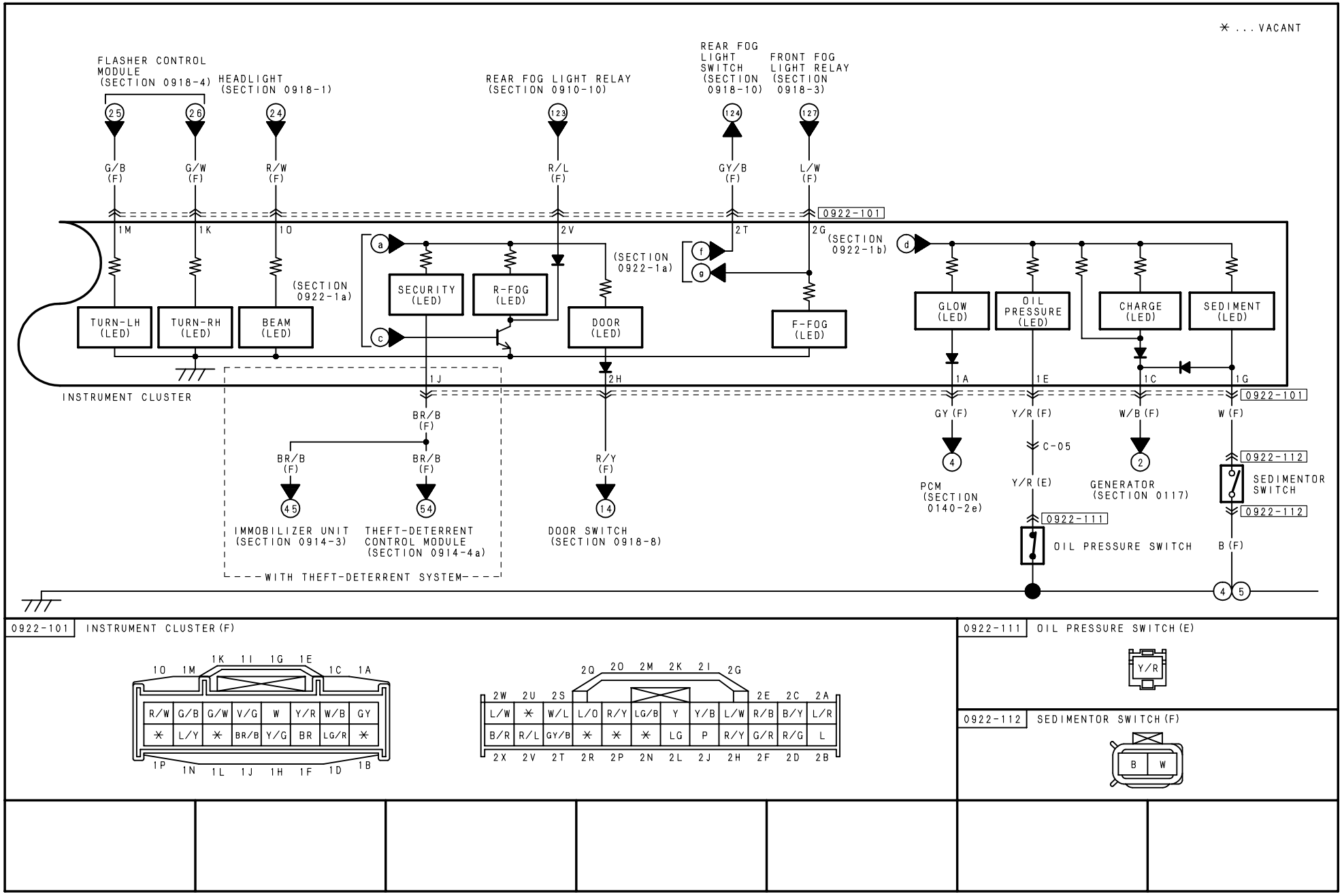
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HARNESS SYMBOL: (F) (E) (R)





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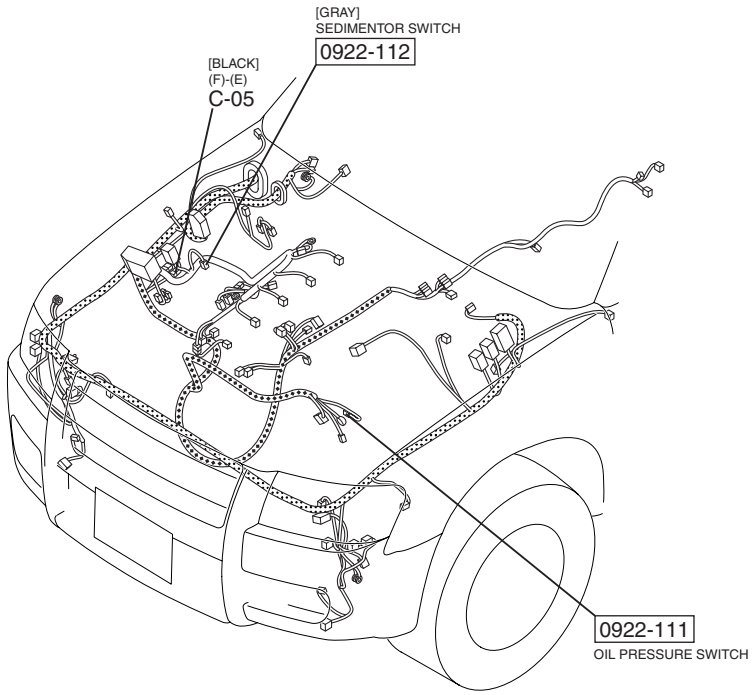
0922-101 INSTRUMENT CLUSTER (F)

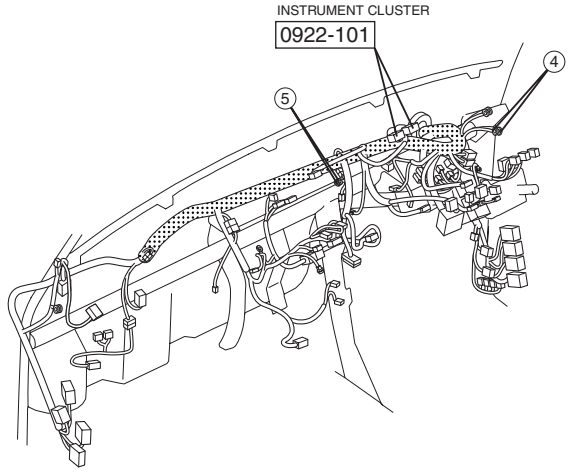
0922-111 OIL PRESSURE SWITCH (E)

0922-112 SEDIMENTOR SWITCH (F)

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HARNESS SYMBOL: (F) (E) (R)





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ALPHABETICAL INDEX

B

BACK-UP LIGHT 30
BACK-UP LIGHT SWITCH 30
BRAKE FLUID LEVEL SENSOR 46
BRAKE LIGHT 32
BRAKE SWITCH 32

C

COIL 20
COMMON CONNECTOR LIST 8

E

ELECTRICAL WIRING SCHEMATIC 4

F

FLASHER CONTROL MODULE 28
FOG LIGHT
(FRONT) 26
(REAR) 40
FOG LIGHT RELAY
(FRONT) 26
(REAR) 40
FOG LIGHT SWITCH
(FRONT) 26
(REAR) 40
FRONT FOG LIGHT 26
FRONT FOG LIGHT RELAY 26
FRONT FOG LIGHT SWITCH 26
FRONT SIDE TURN LIGHT 28
FRONT TURN LIGHT 28
FUEL GAUGE SENDER UNIT 44
FUSE BOX 6

G

GENERAL INFORMATION 2
GLOVE COMPARTMENT LIGHT 36
GROUND POINT 10

H

HAZARD WARNING SWITCH 28
HEADLIGHT 22
HEADLIGHT LEVELING ACTUATOR 38
HEADLIGHT LEVELING SWITCH 38
HEADLIGHT RELAY 22
HIGH-MOUNT BRAKE LIGHT 32

I

ILLUMINATION
A/C SWITCH 34
AUDIO UNIT 34
CONSOLE 36
HAZARD WARNING SWITCH 34
HEADLIGHT LEVELING SWITCH 36
HEATER CONTROL 34
IGNITION KEY 44
INSTRUMENT CLUSTER 34
REAR WINDOW DEFROSTER SWITCH 34
RFW MAIN SWITCH 36
SEAT WARMER SWITCH 36
IMMOBILIZER UNIT 20
INSTRUMENT CLUSTER 44

K

KEY REMINDER SWITCH 44
KEYLESS CONTROL MODULE 18

L

LICENSE PLATE LIGHT 24
LIGHT SWITCH 22

O

OIL PRESSURE SWITCH 48

P

PANEL LIGHT CONTROL SWITCH 36
PARKING BRAKE SWITCH 46
PARKING LIGHT 24

R

REAR FOG LIGHT 40
REAR FOG LIGHT RELAY 40
REAR FOG LIGHT SWITCH 40
REAR TURN LIGHT 28

S

SEAT WARMER SWITCH 16
SEAT WARMER UNIT 16
SEDIMENTOR SWITCH 48
SIDE TURN LIGHT 28
STARTER 14
STARTER RELAY 14

T

TAILLIGHT 24
TNS RELAY 22
TURN LIGHT 28
TURN SWITCH 28

V

VEHICLE IDENTIFICATION NUMBERS (VIN) 3
VEHICLE SPEEDOMETER SENSOR 44

W

WATER TEMPERATURE
SENDER UNIT 44
WINDSHIELD WASHER MOTOR 42
WINDSHIELD WIPER AND
WASHER SWITCH 42
WINDSHIELD WIPER MOTOR 42

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RANGER

Wiring Diagrams Supplement

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

CONTENTS

TITLE	SECTION
GENERAL INFORMATION	00
ENGINE	01
SUSPENSION	02
DRIVELINE/AXLE	03
BRAKES	04
TRANSMISSION/TRANSAXLE	05
STEERING	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07
RESTRAINTS	08
BODY & ACCESSORIES	09
ALPHABETICAL INDEX	AI

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

Australian specs.

MNA BS1D90*W
MNA BS1E90*W
MNA BS2D90*W
MNA BS2E90*W
MNA BSAD10*W
MNA BSAD90*W
MNA BSAE10*W
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General (R.H.D.) specs.

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE.....2
VEHICLE IDENTIFICATION NUMBERS (VIN).....3

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 4
F FUSE BOX 6
C COMMON CONNECTOR LIST 8
G GROUND POINT.....10

DATA LINK CONNECTOR

D DATA LINK CONNECTOR.....14

01 ENGINE

17 CHARGING SYSTEM 16
19 STARTING SYSTEM.....18
40 CONTROL SYSTEM
WLT WITHOUT IMMOBILIZER SYSTEM 20
WLT WITH IMMOBILIZER SYSTEM.....24

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE
REMOTE FREEWHEEL CONTROL SYSTEM
WLT 28

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM
HEATER AND AIR CONDITIONER.....30

09 BODY & ACCESSORIES

14 SECURITY AND LOCKS
IMMOBILIZER SYSTEM..... 32
18 LIGHTING SYSTEMS
LICENSE PLATE LIGHT..... 34
PARKING LIGHT..... 34
TAILLIGHT..... 34
FRONT FOG LIGHT..... 36
BACK-UP LIGHT..... 38
ILLUMINATION LIGHT..... 40
20 ENTERTAINMENT
AUDIO SYSTEM..... 44
22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER..... 48

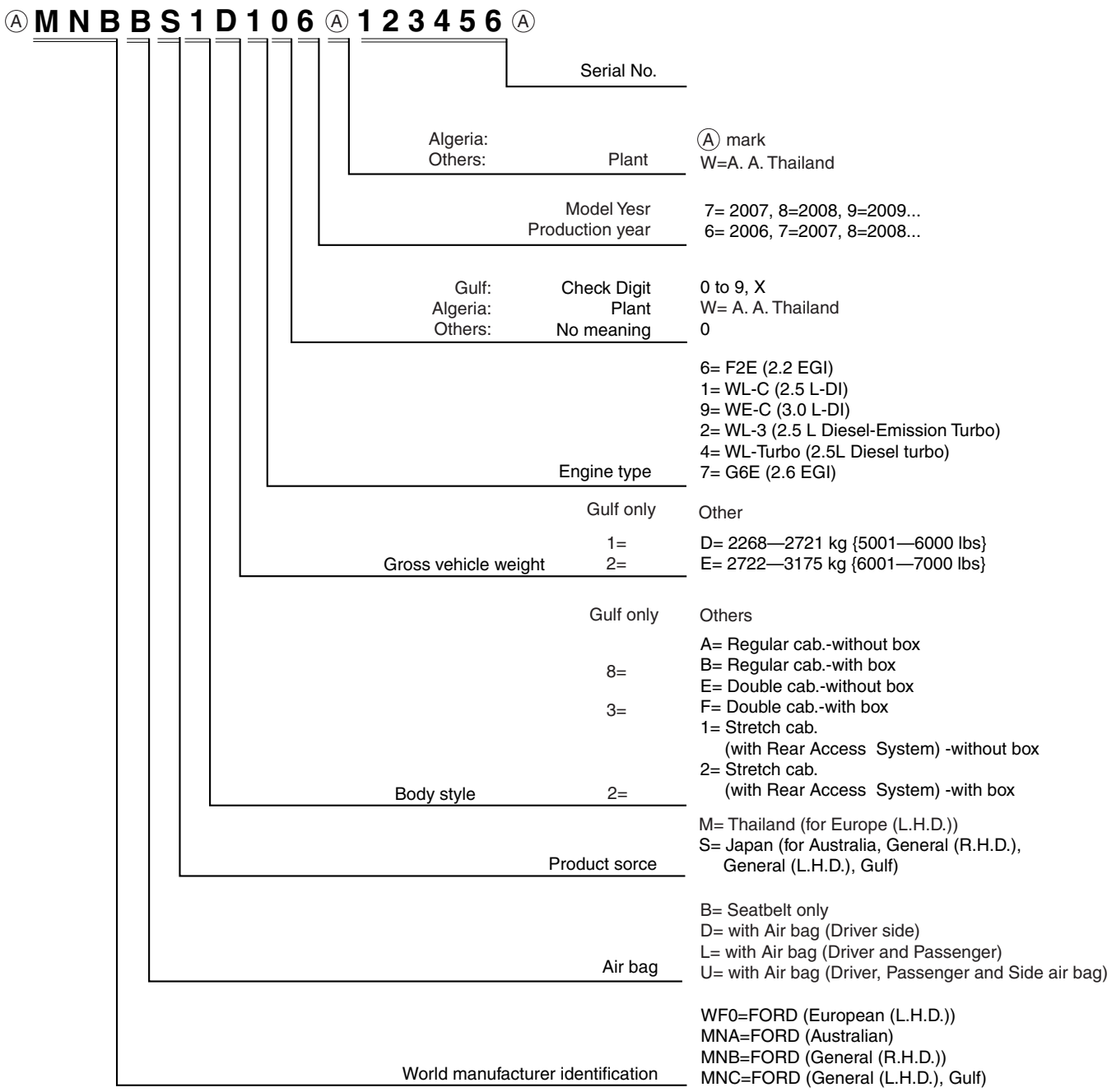
AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 56

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE



Ⓐ : This mark is used only for Algerian model, in order to identify the manufacturer.

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VEHICLE IDENTIFICATION NUMBERS (VIN)

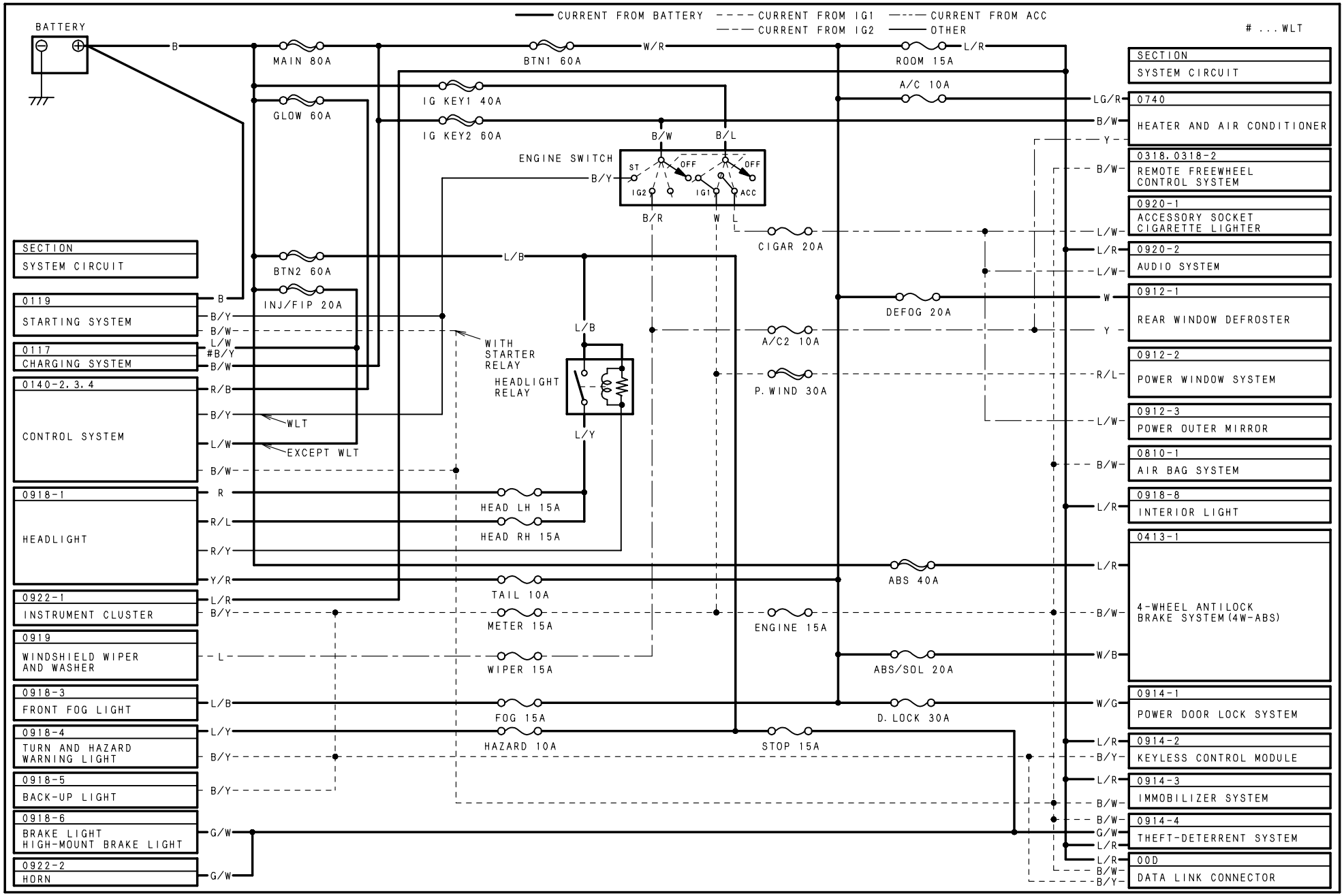
Australian specs.

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General (R.H.D.) specs.

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MNB DSFD40*W
MNB DSFD90*W
MNB DSFE10*W
MNB DSFE40*W
MNB DSFE90*W
MNB LSAD40*W
MNB LSAE40*W
MNB LSBD40*W
MNB LSBE40*W
MNB LSED10*W
MNB LSED40*W
MNB LSED90*W
MNB LSEE10*W
MNB LSEE40*W
MNB LSEE90*W
MNB LSFD10*W
MNB LSFD40*W
MNB LSFD90*W
MNB LSFE10*W
MNB LSFE40*W
MNB LSFE90*W
MNB USAD40*W
MNB USAE40*W
MNB USBD40*W
MNB USBE40*W
MNB USED10*W
MNB USED40*W
MNB USED90*W
MNB USEE10*W
MNB USEE40*W
MNB USEE90*W
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MNB USFE10*W
MNB USFE40*W
MNB USFE90*W

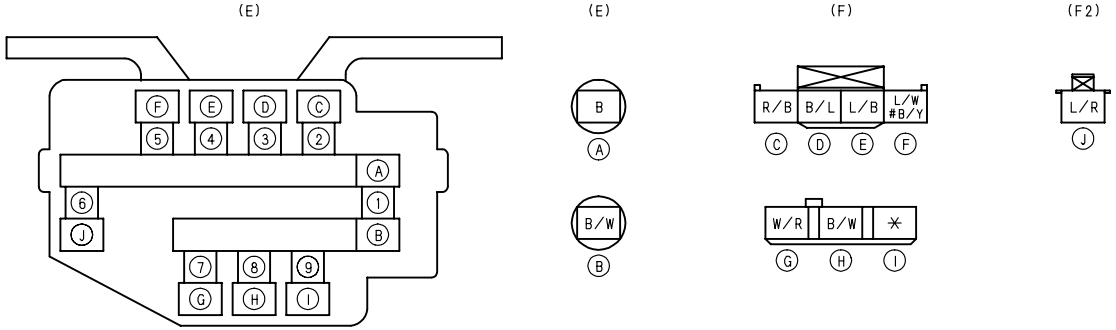
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F-01 MAIN FUSE BLOCK

✳ . . . VACANT
. . . WLT



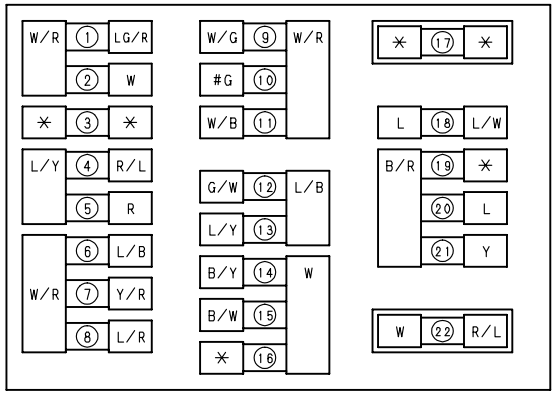
NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( ) IF EQUIPPED

F-02 FUSE BLOCK (F)

✳ . . . VACANT
. . . NOT USED



NOTE:SEEN FROM TERMINAL SIDE

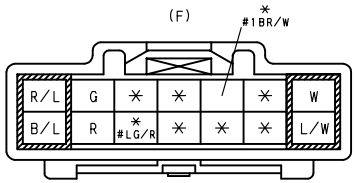
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(R. FOG)	10A	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	✳	✳
6	(FOG)	15A	17	✳	✳
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	(SEAT)	15A
9	(D. LOCK)	30A	20	WIPER	15A
10	(P. WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P. WIND)	30A

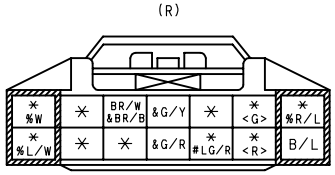
( ) IF EQUIPPED

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C-02 FRONT (F) -REAR (R)

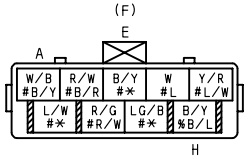
✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
< >. . . WITH REAR POWER DOOR LOCK SYSTEM
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . NOT USED
#1. . . WITH BUCKLE SWITCH

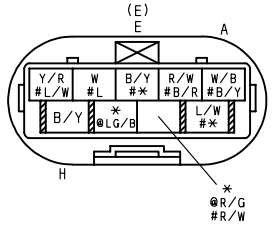




C-05 FRONT (F) -ENGINE (E)

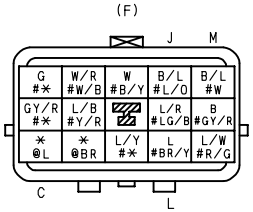
✳ . . . VACANT
. . . WLT
@ . . . WL-C, WE-C WITH RFW CONTROL SYSTEM
% . . . WITH STARTER RELAY

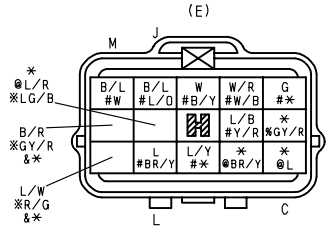




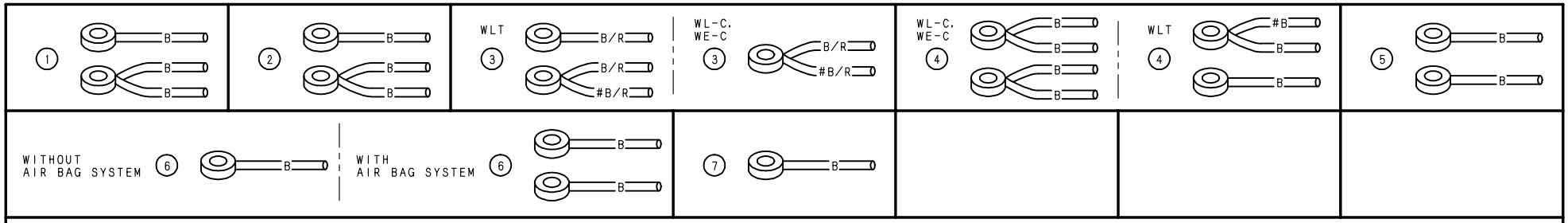
C-06 FRONT (F) -ENGINE (E)

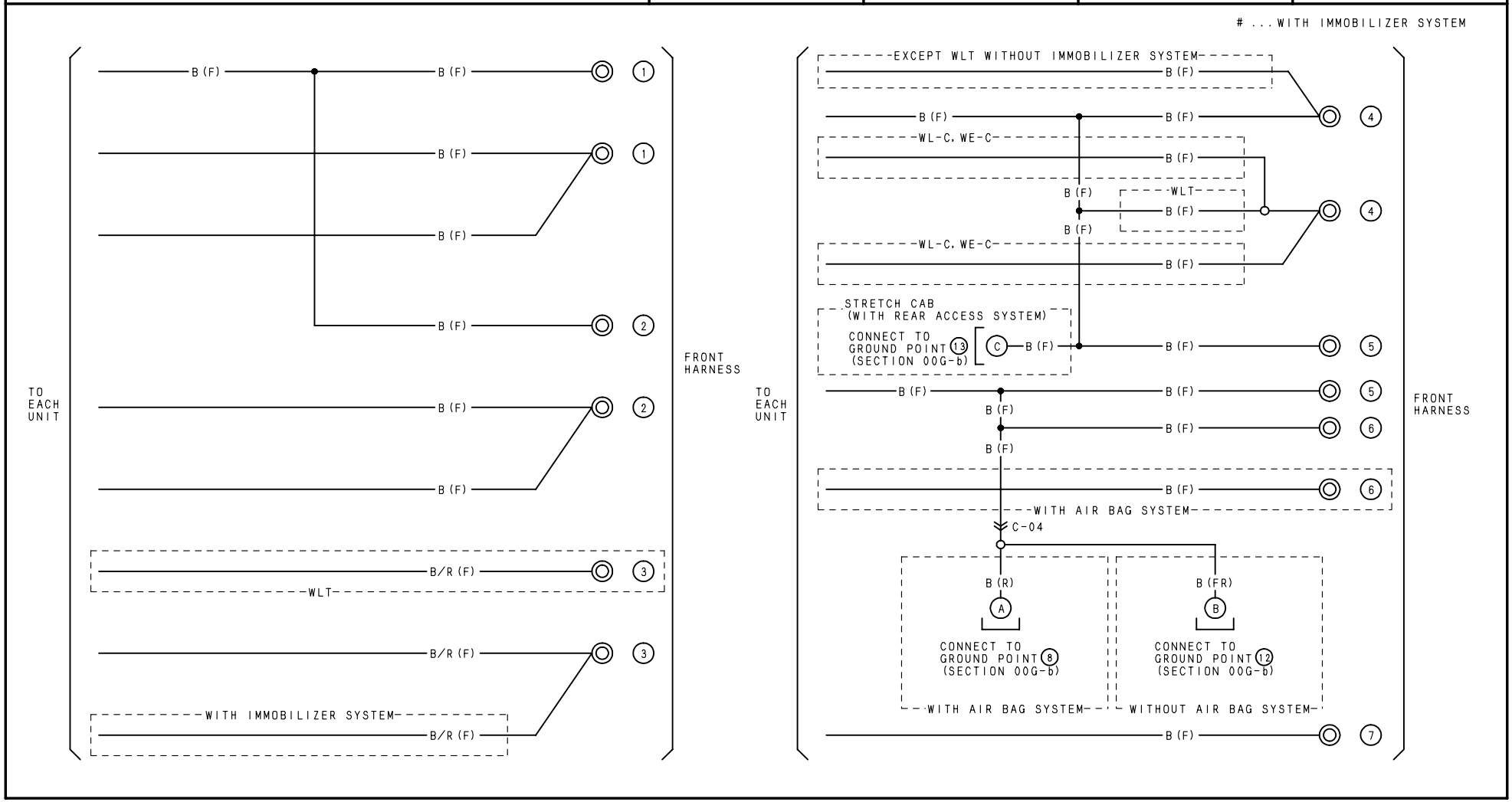
✳ . . . VACANT
. . . WLT
% . . . WL-C, WE-C WITH RFW CONTROL SYSTEM
@ . . . WL-C, WE-C
※ . . . WLT WITH RFW CONTROL SYSTEM
& . . . WLT 4X2





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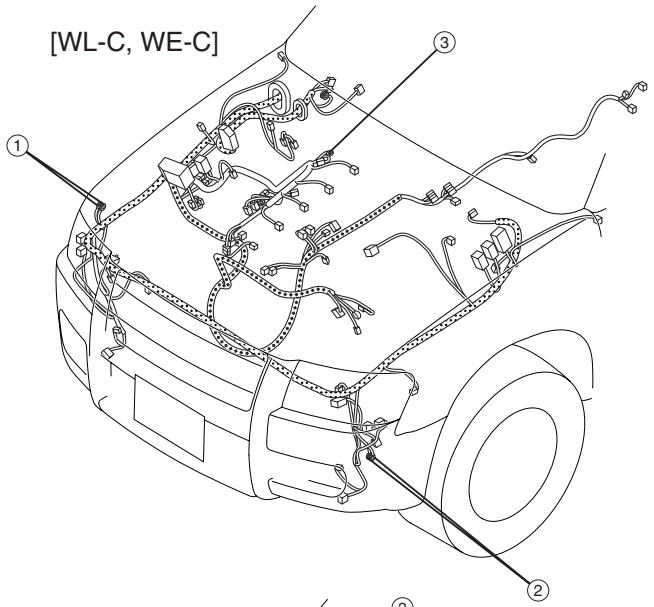




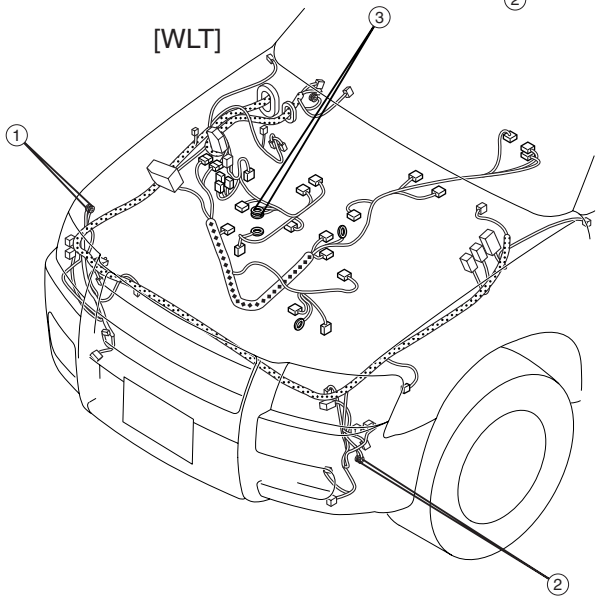
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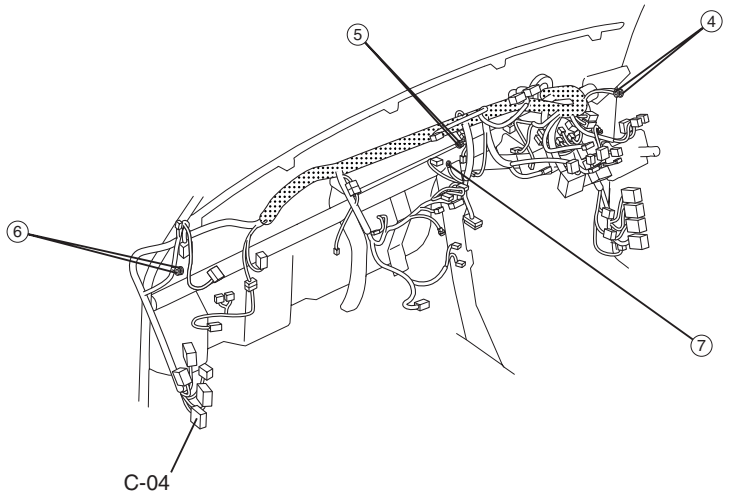
HARNESS SYMBOL: (F) (E) (R)

[WL-C, WE-C]

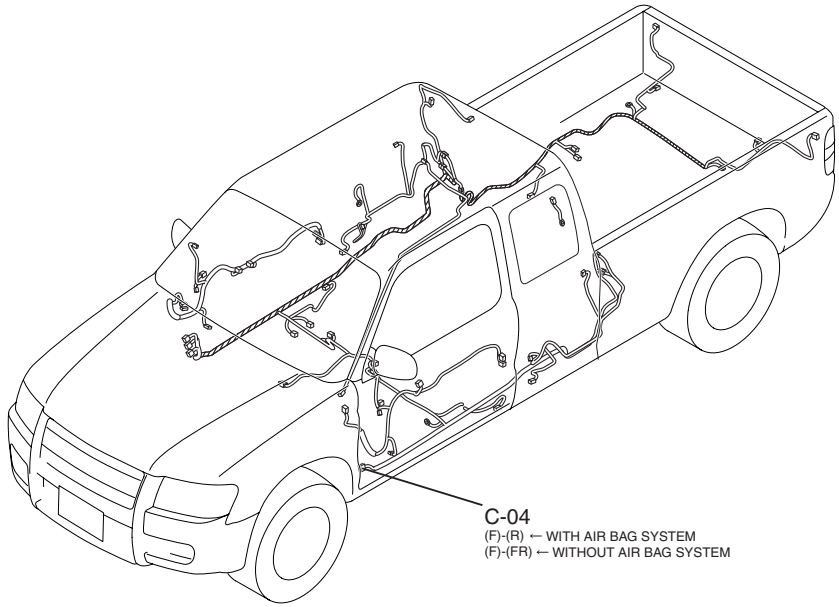


[WLT]



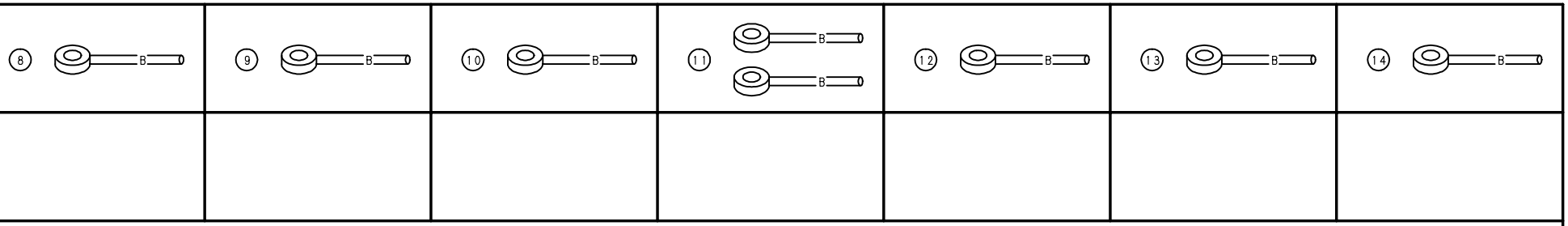


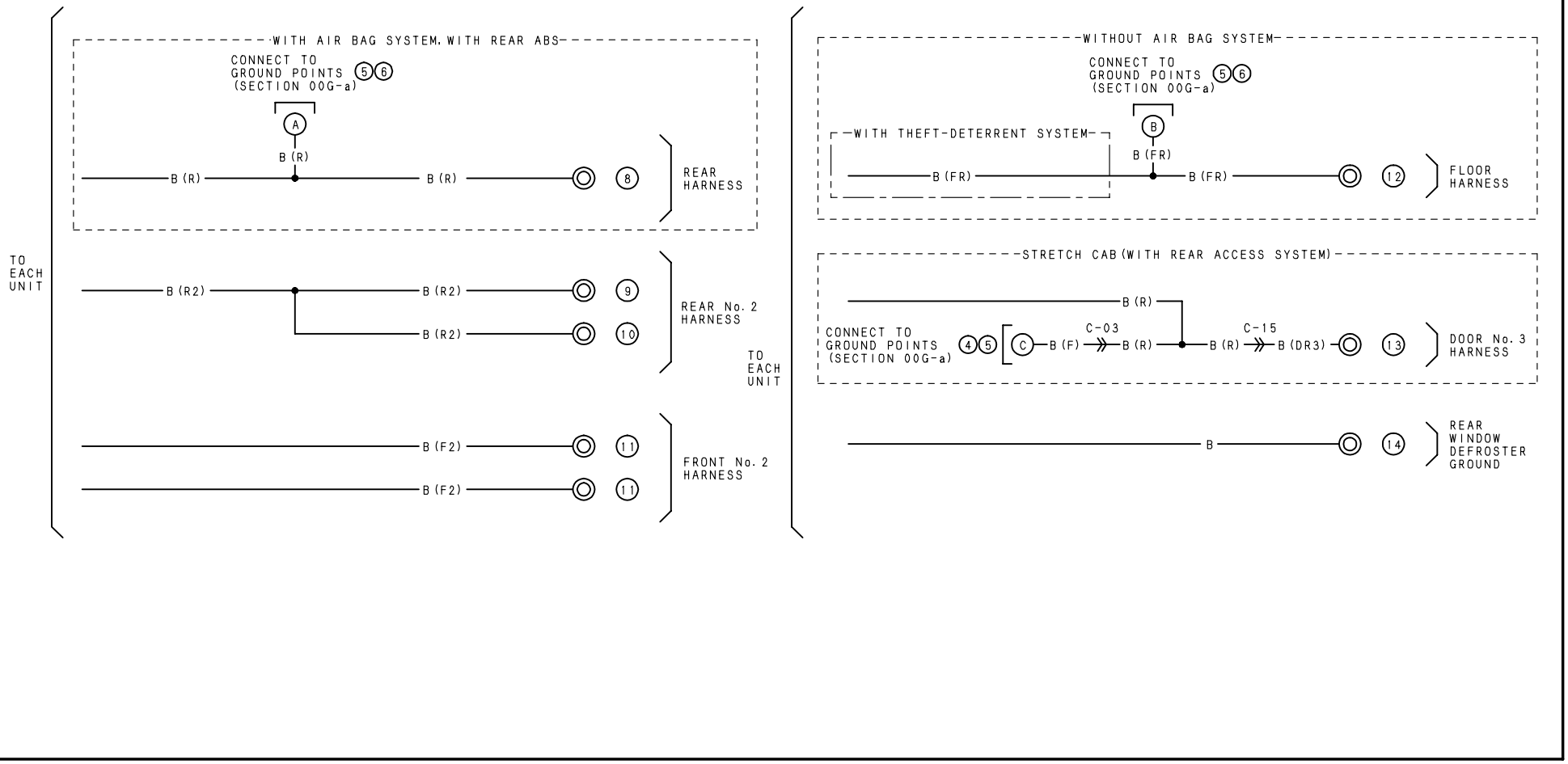
C-04
WITH AIR BAG SYSTEM → (F)-(R)
WITHOUT AIR BAG SYSTEM → (F)-(FR)



C-04
(F)-(R) ← WITH AIR BAG SYSTEM
(F)-(FR) ← WITHOUT AIR BAG SYSTEM

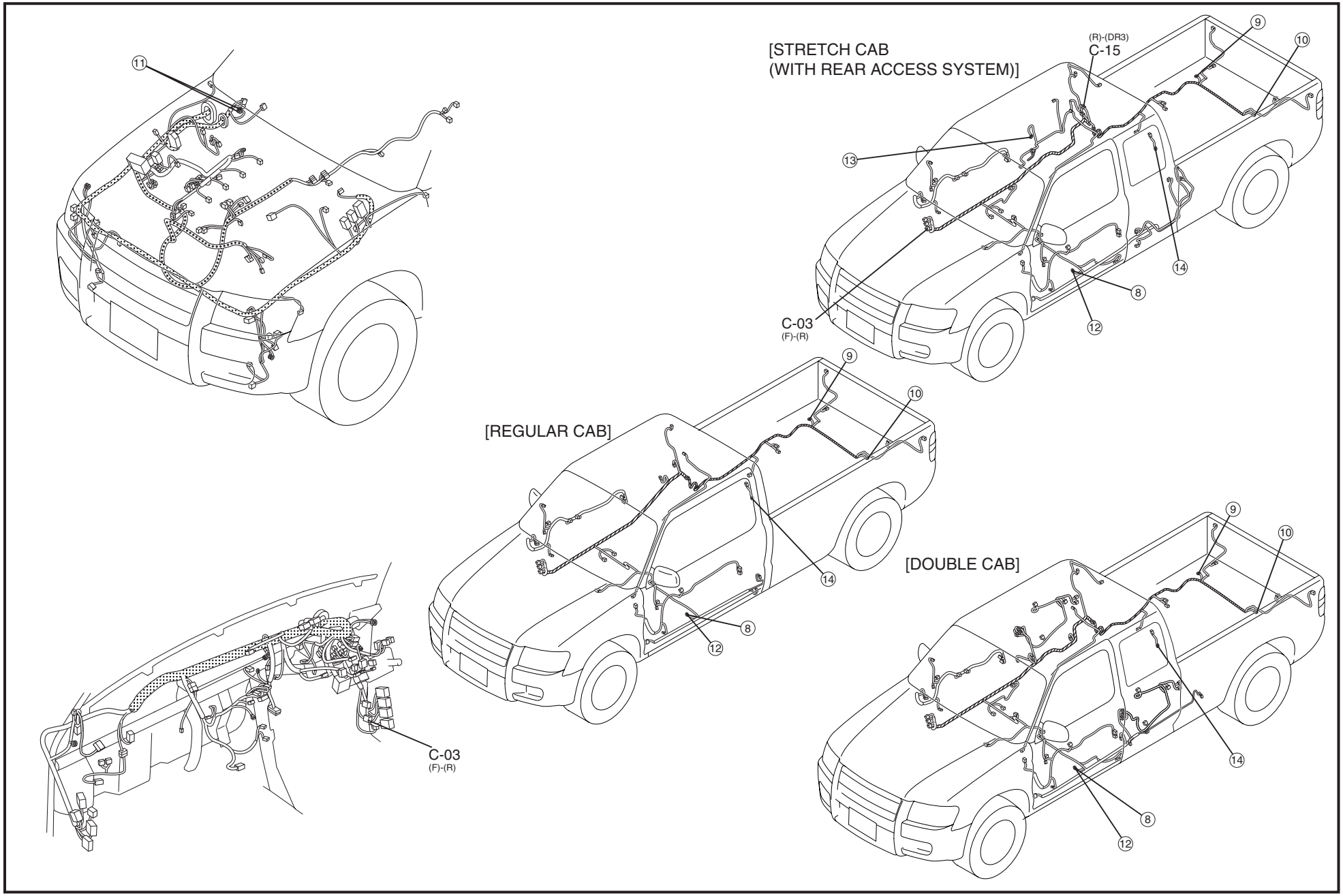
www.truck-freeworkshop.com

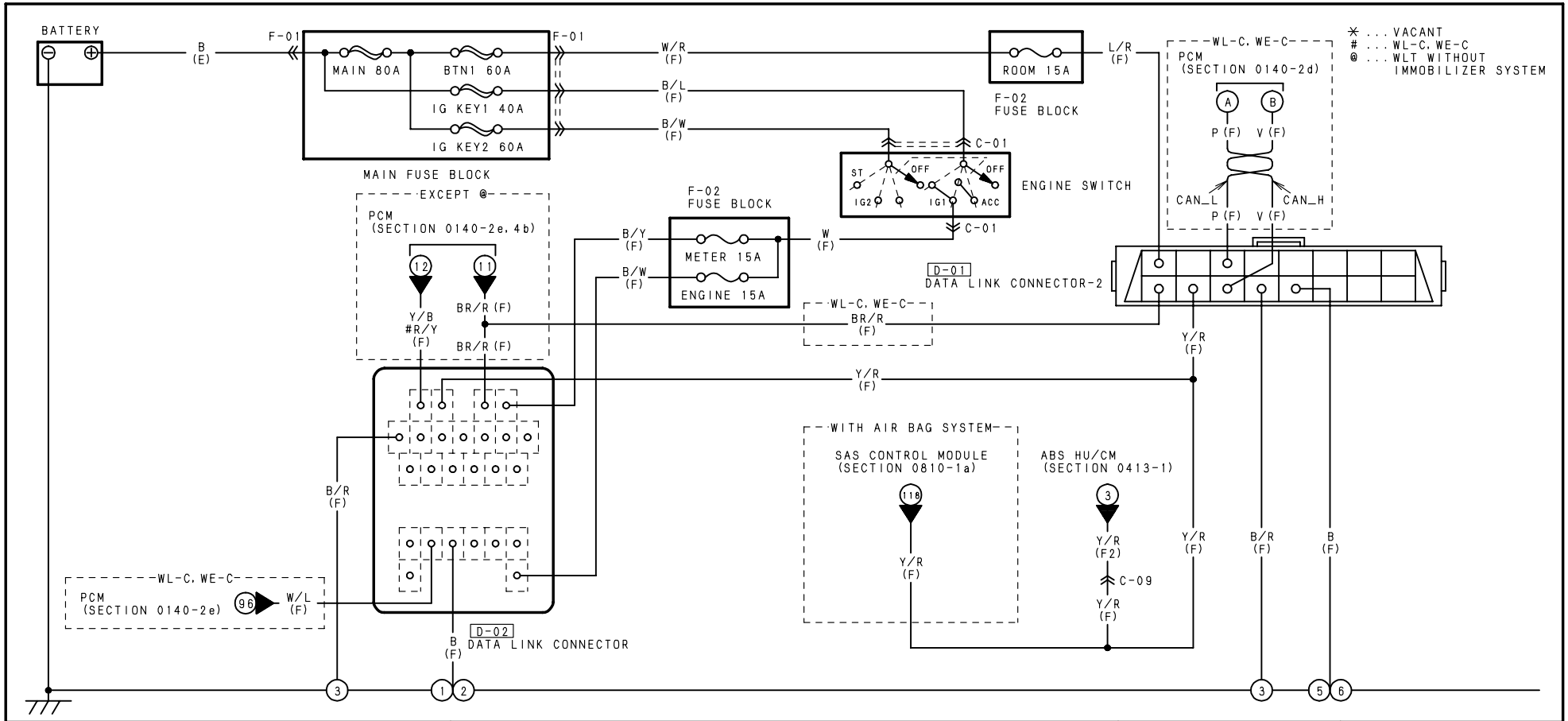




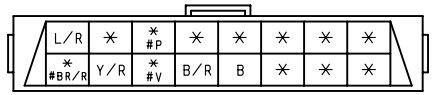
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



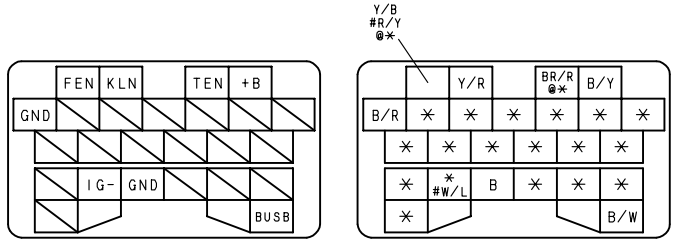


D-01 DATA LINK CONNECTOR-2 (F)



NOTE:SEEN FROM TERMINAL SIDE

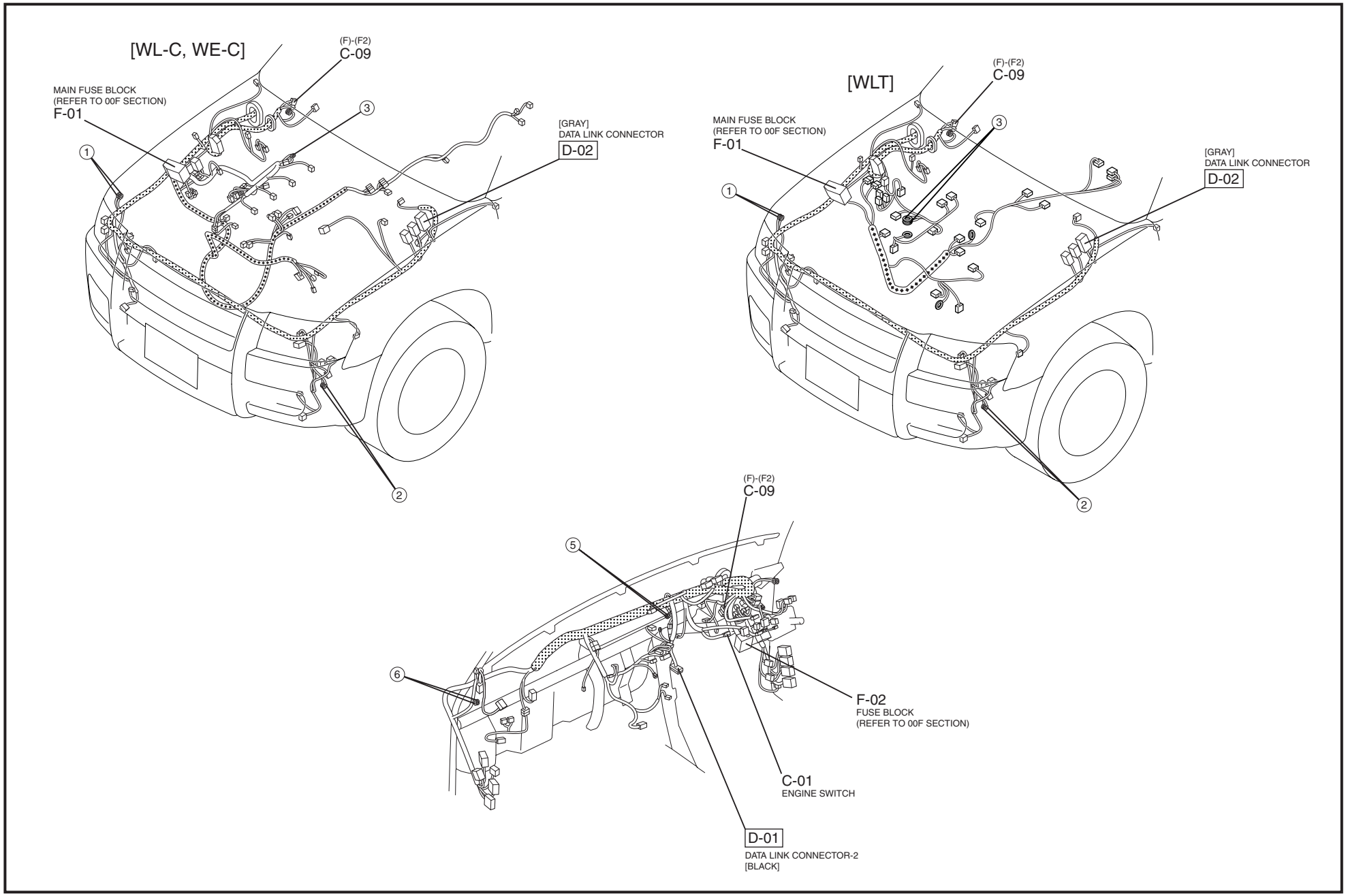
D-02 DATA LINK CONNECTOR (F)



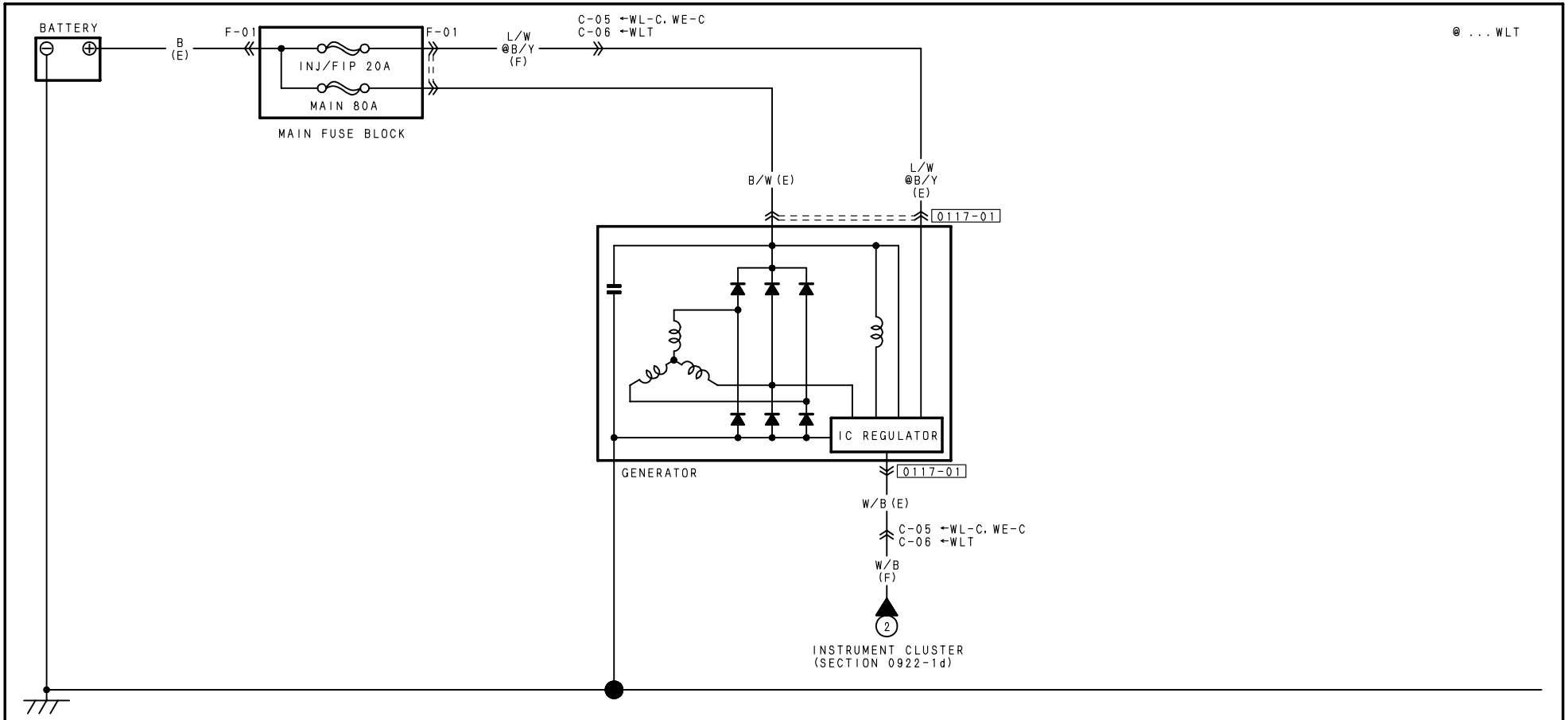
NOTE:SEEN FROM TERMINAL SIDE

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HARNESS SYMBOL: (F) (E) (R)



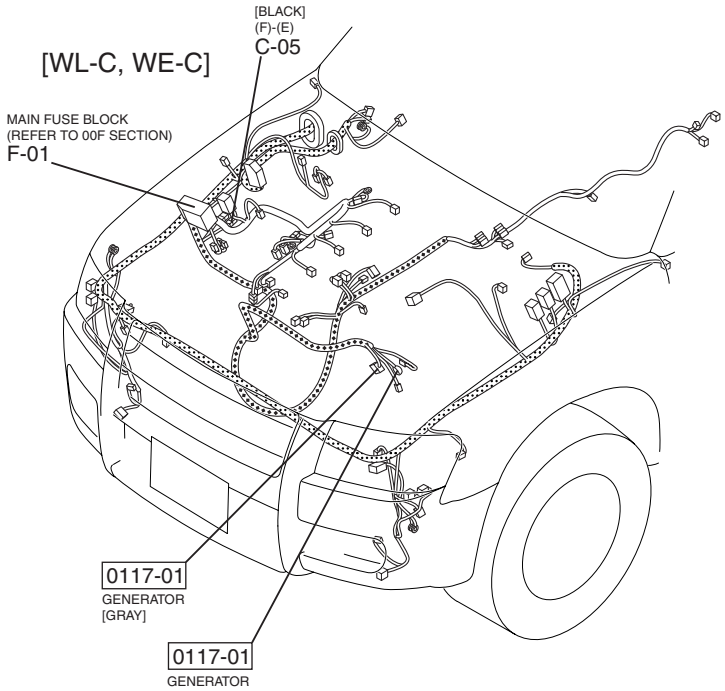
www.truck-freeworkshop.com

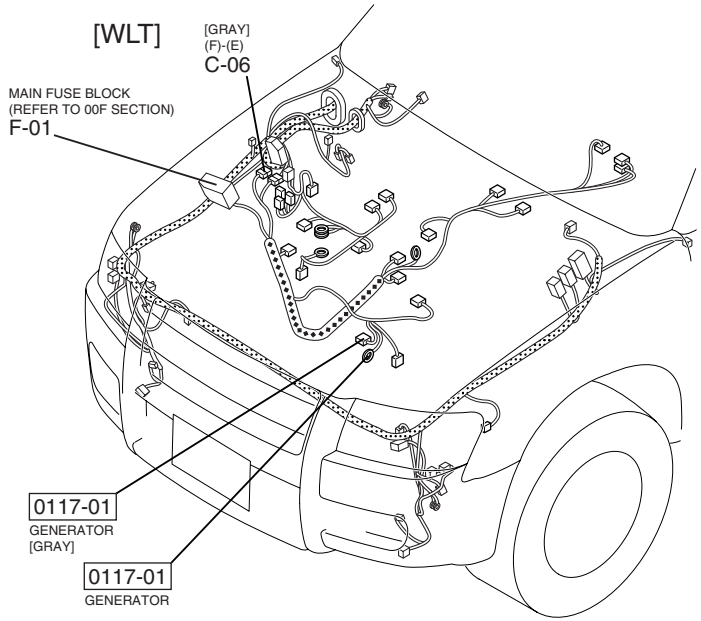


0117-01 GENERATOR (E) B/W L/W @B/Y W/B						

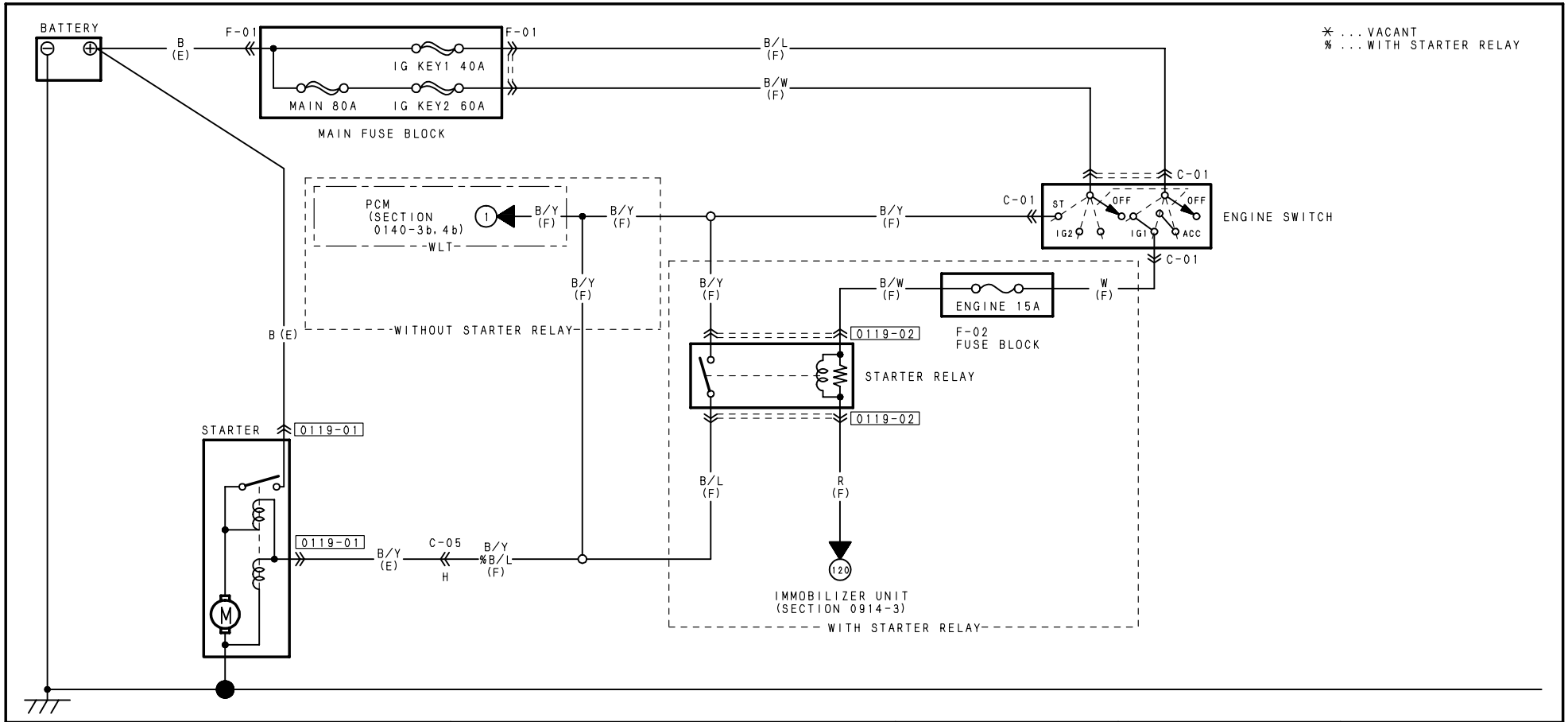
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HARNESS SYMBOL: (F) (E) (R)





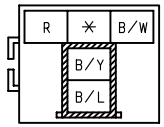
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0119-01 STARTER (E)

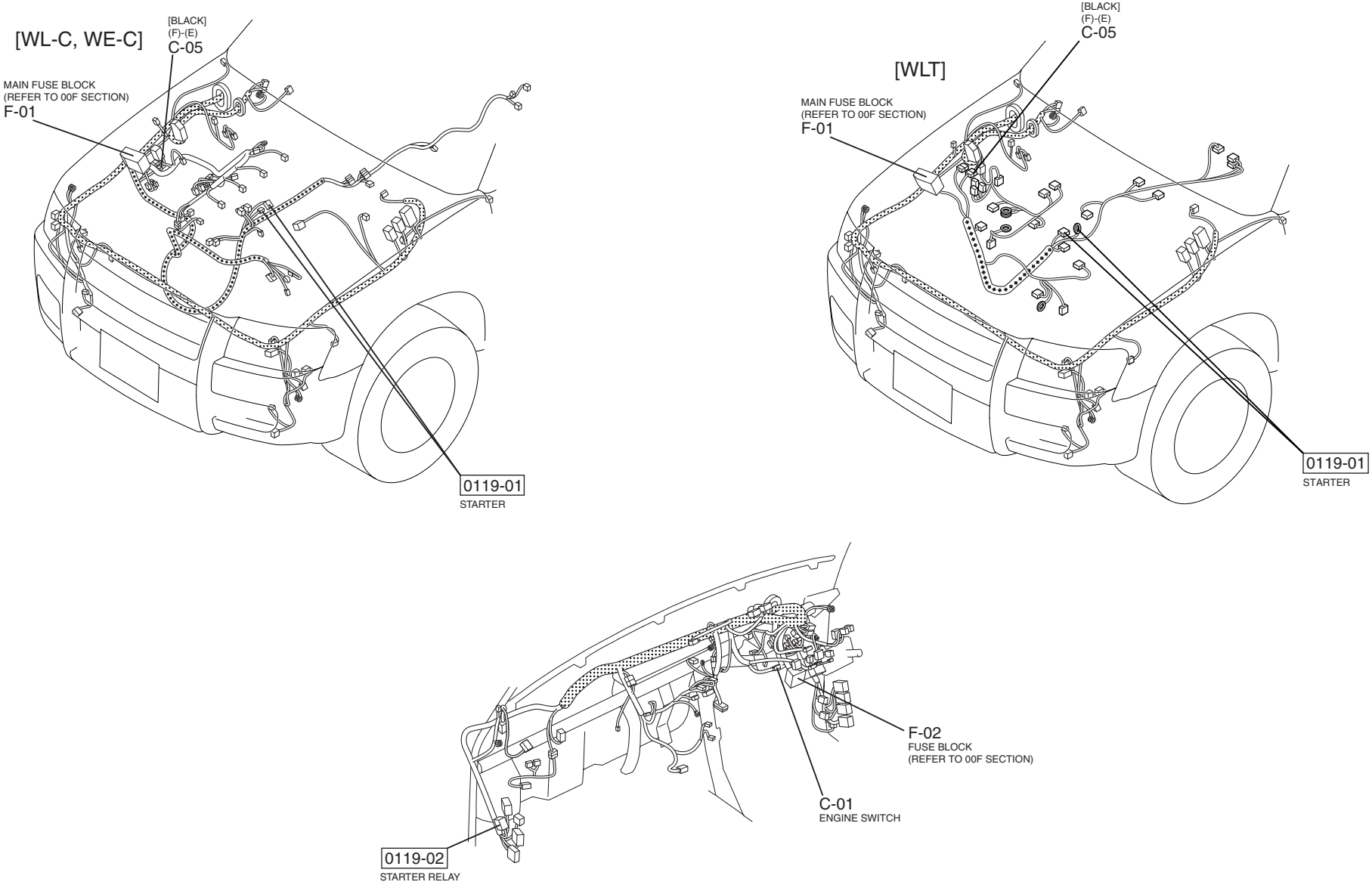


0119-02 STARTER RELAY (F)

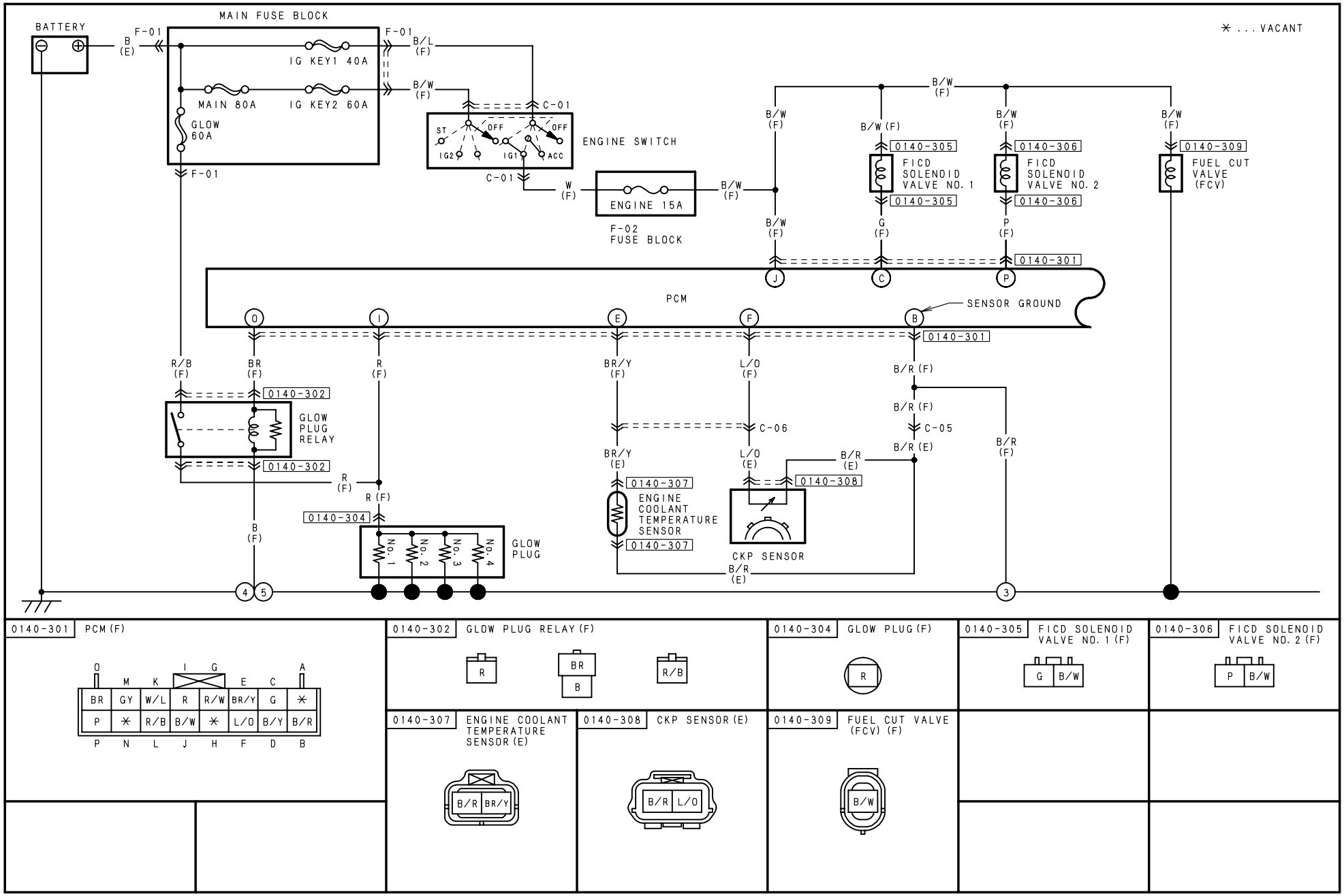


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HARNESS SYMBOL: (F) (E) (R)



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0140-301 PCM (F)

O	M	K	I	G	E	C	A
BR	GY	W/L	R	R/W	BR/Y	G	✳
P	✳	R/B	B/W	✳	L/O	B/Y	B/R
P	N	L	J	H	F	D	B

0140-302 GLOW PLUG RELAY (F)

R | BR / B | R/B

0140-304 GLOW PLUG (F)

R

0140-305 FICD SOLENOID VALVE NO. 1 (F)

G | B/W

0140-306 FICD SOLENOID VALVE NO. 2 (F)

P | B/W

0140-307 ENGINE COOLANT TEMPERATURE SENSOR (E)

B/R | BR/Y

0140-308 CKP SENSOR (E)

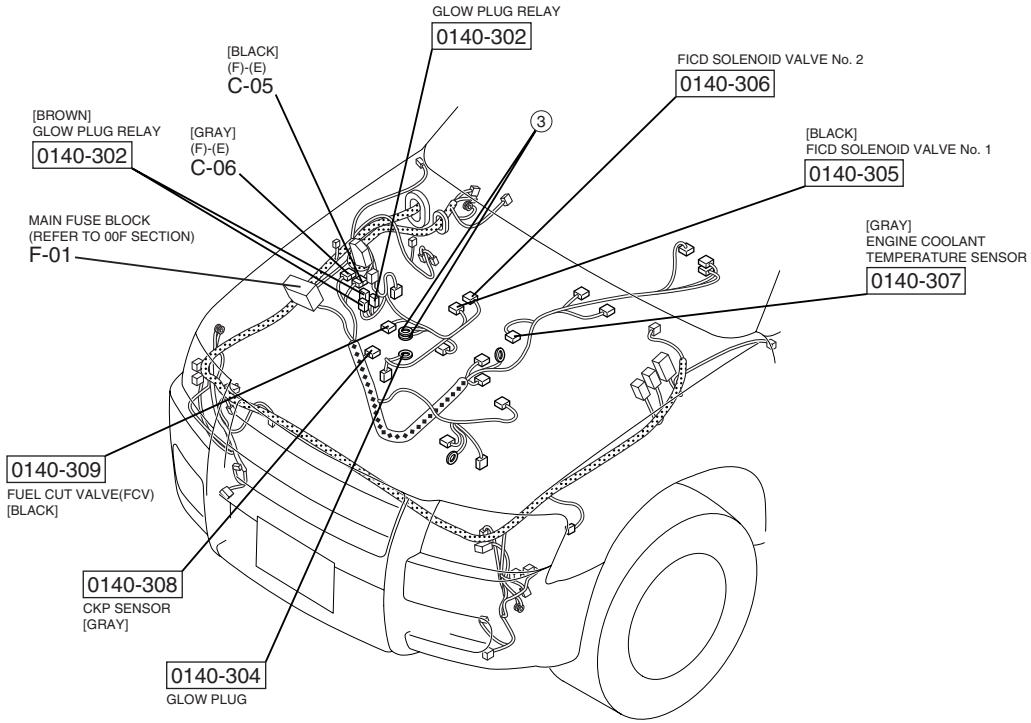
B/R | L/O

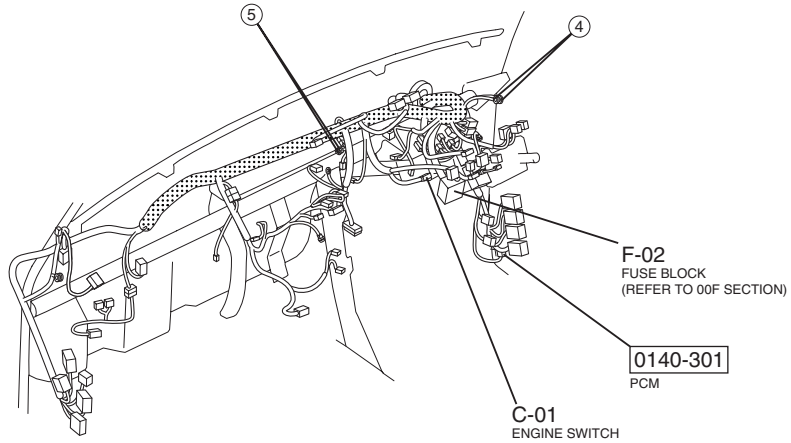
0140-309 FUEL CUT VALVE (FCV) (F)

B/W

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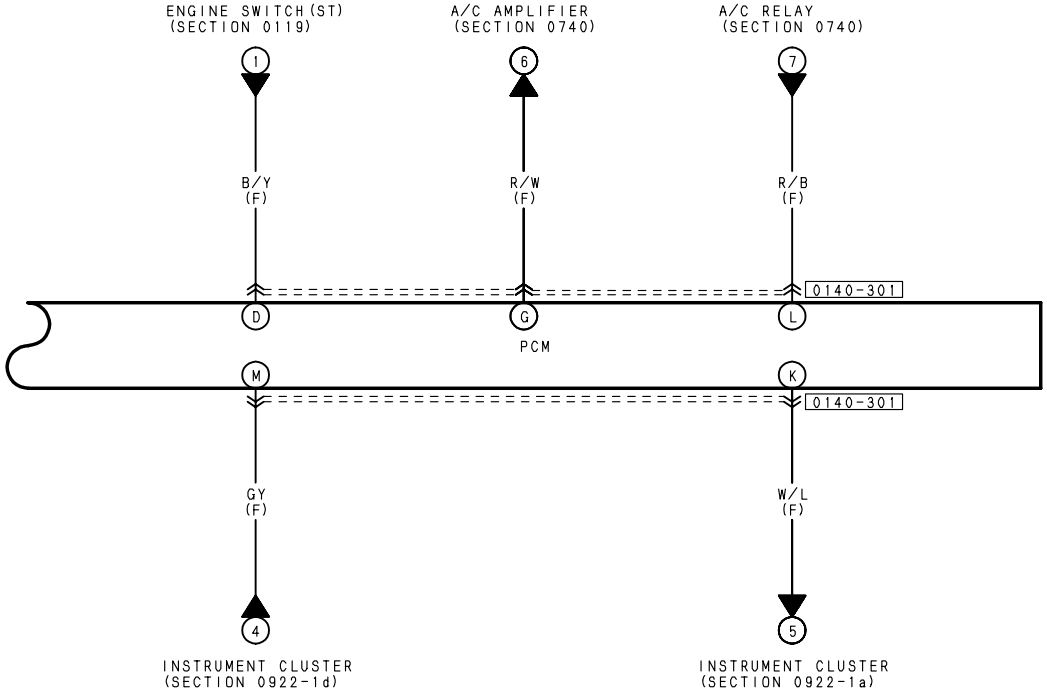
HARNESS SYMBOL: (F) (E) (R)



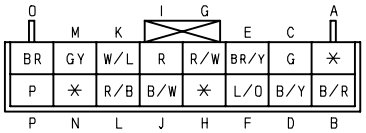


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✳ . . . VACANT

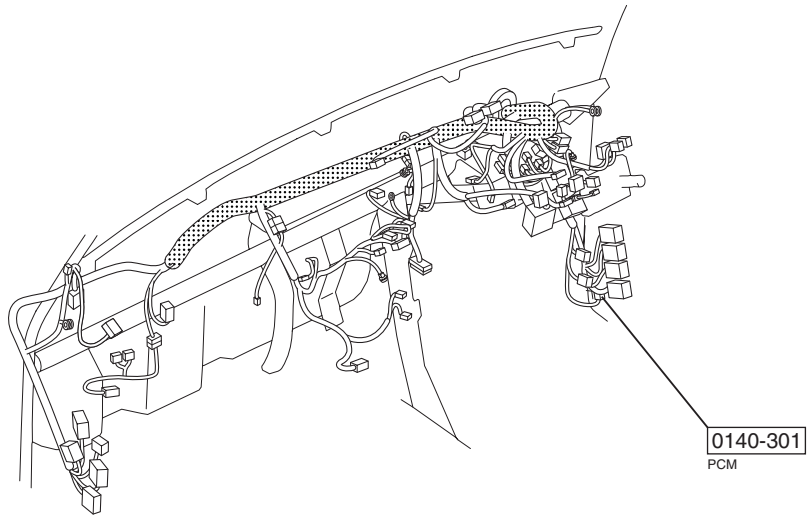


0140-301 PCM (F)

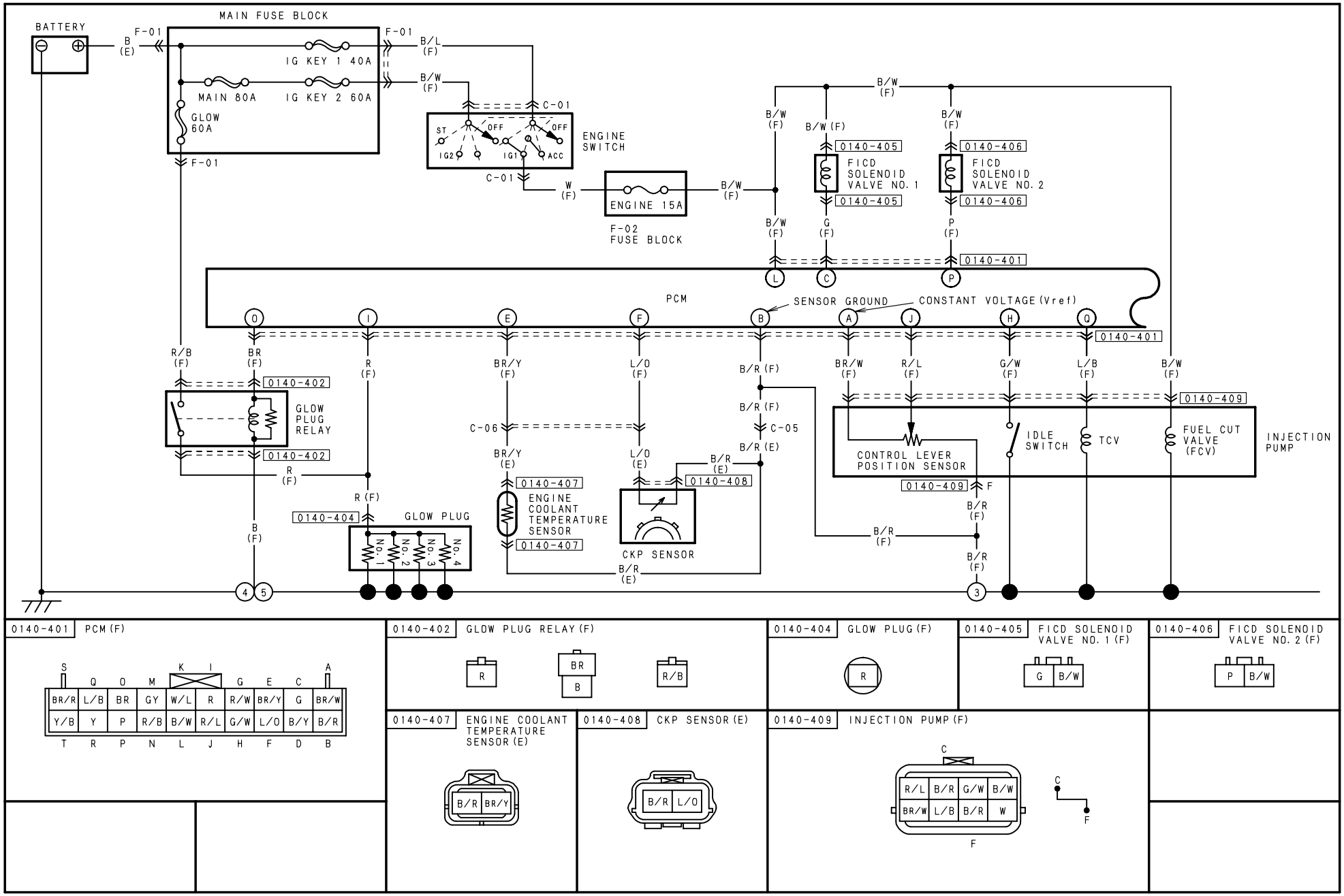


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HARNESS SYMBOL: (F) (E) (R)

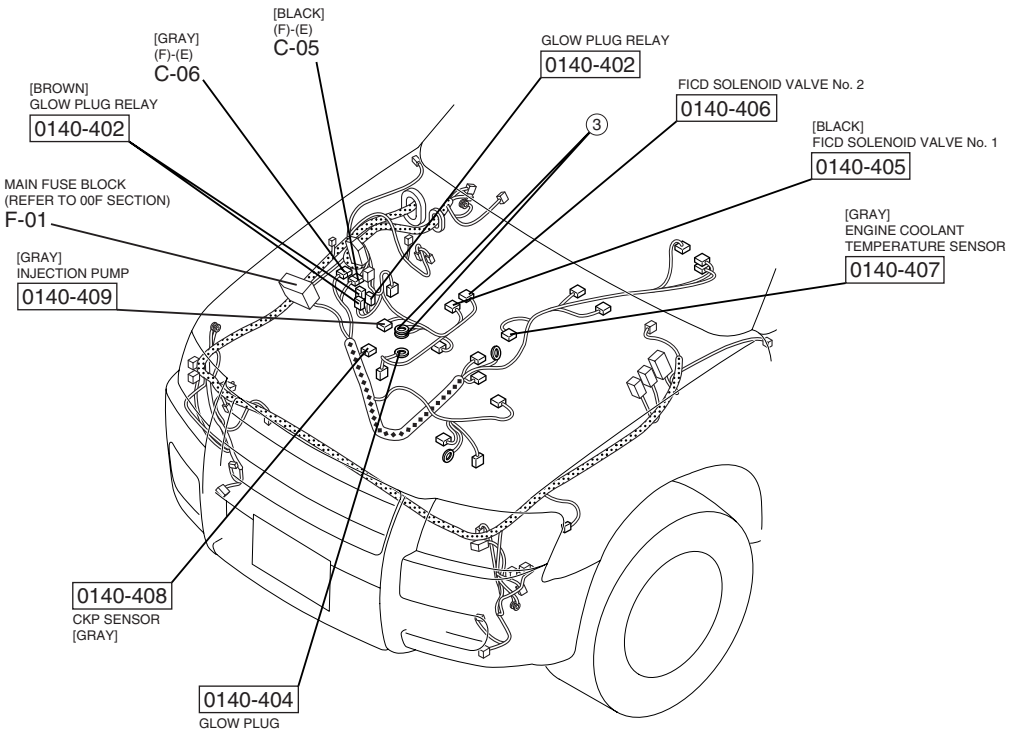


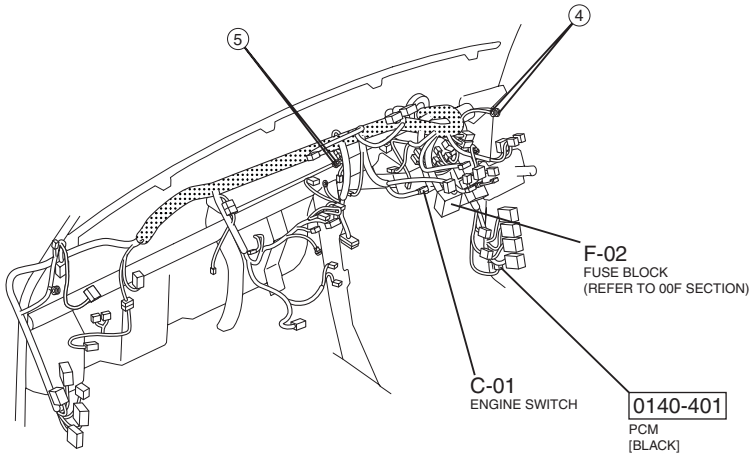
www.truck-freeworkshop.com



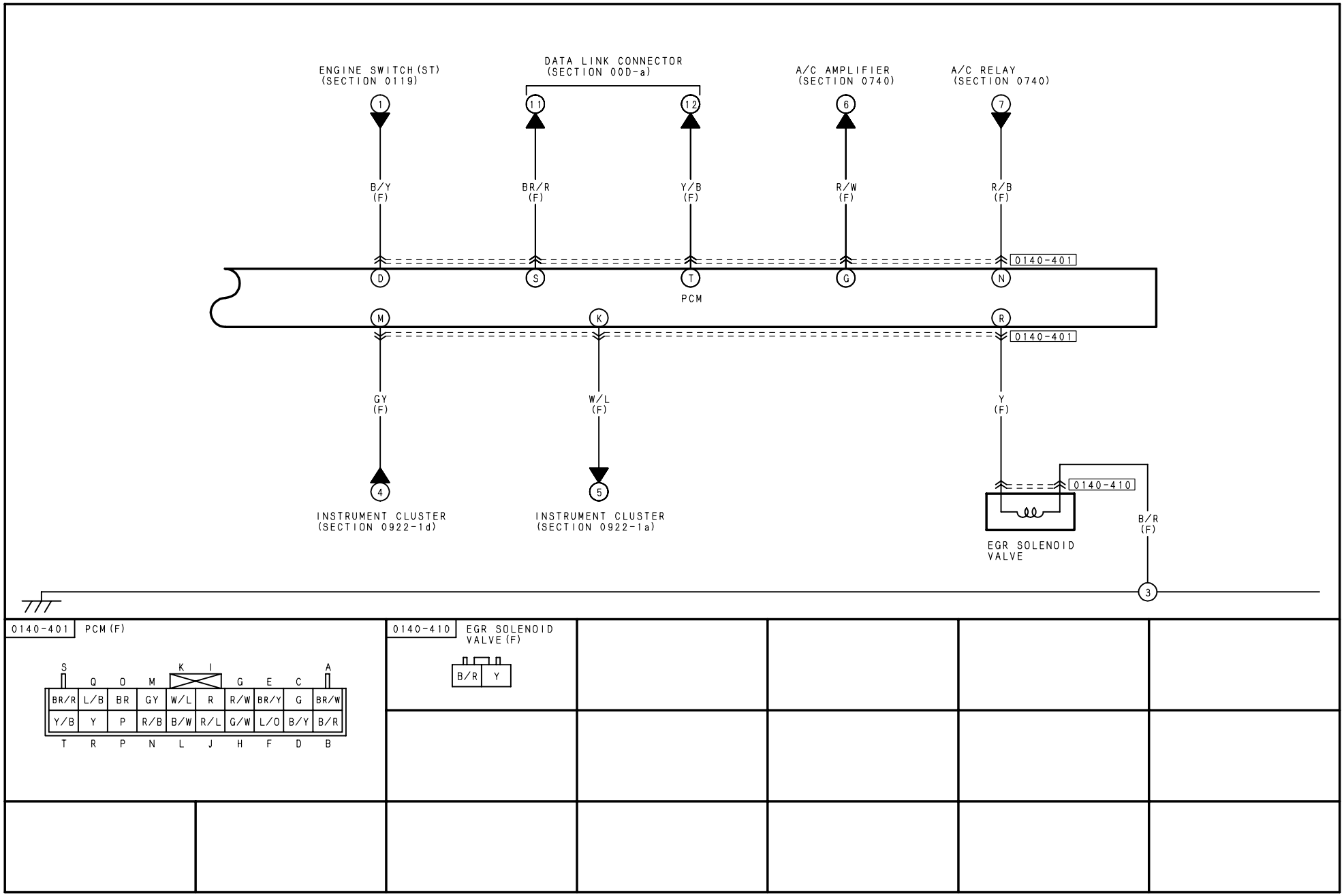
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

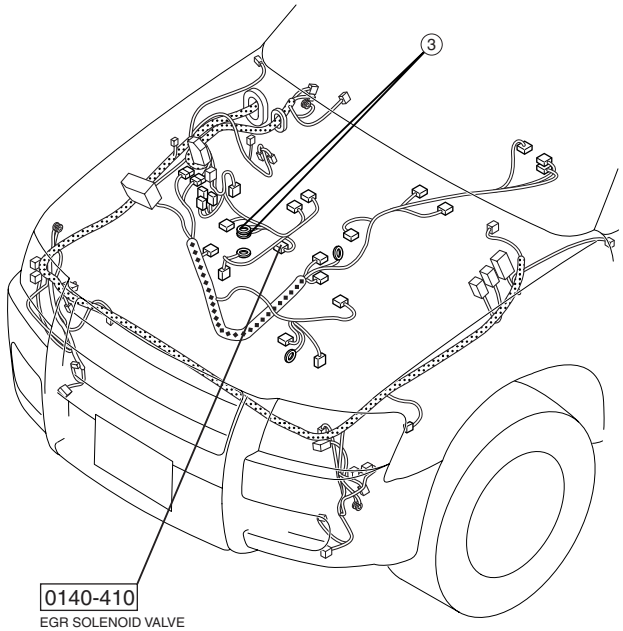


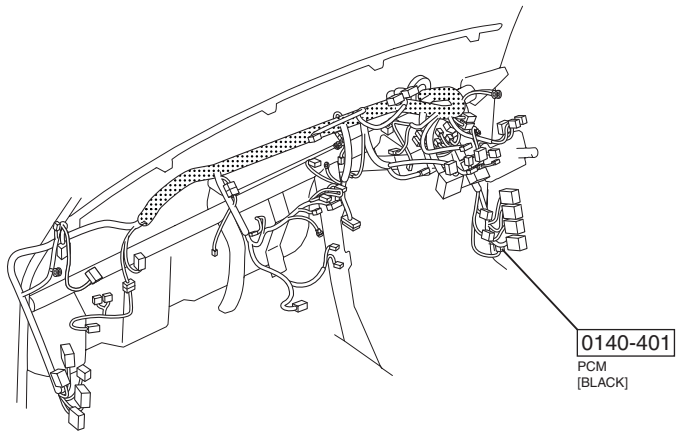


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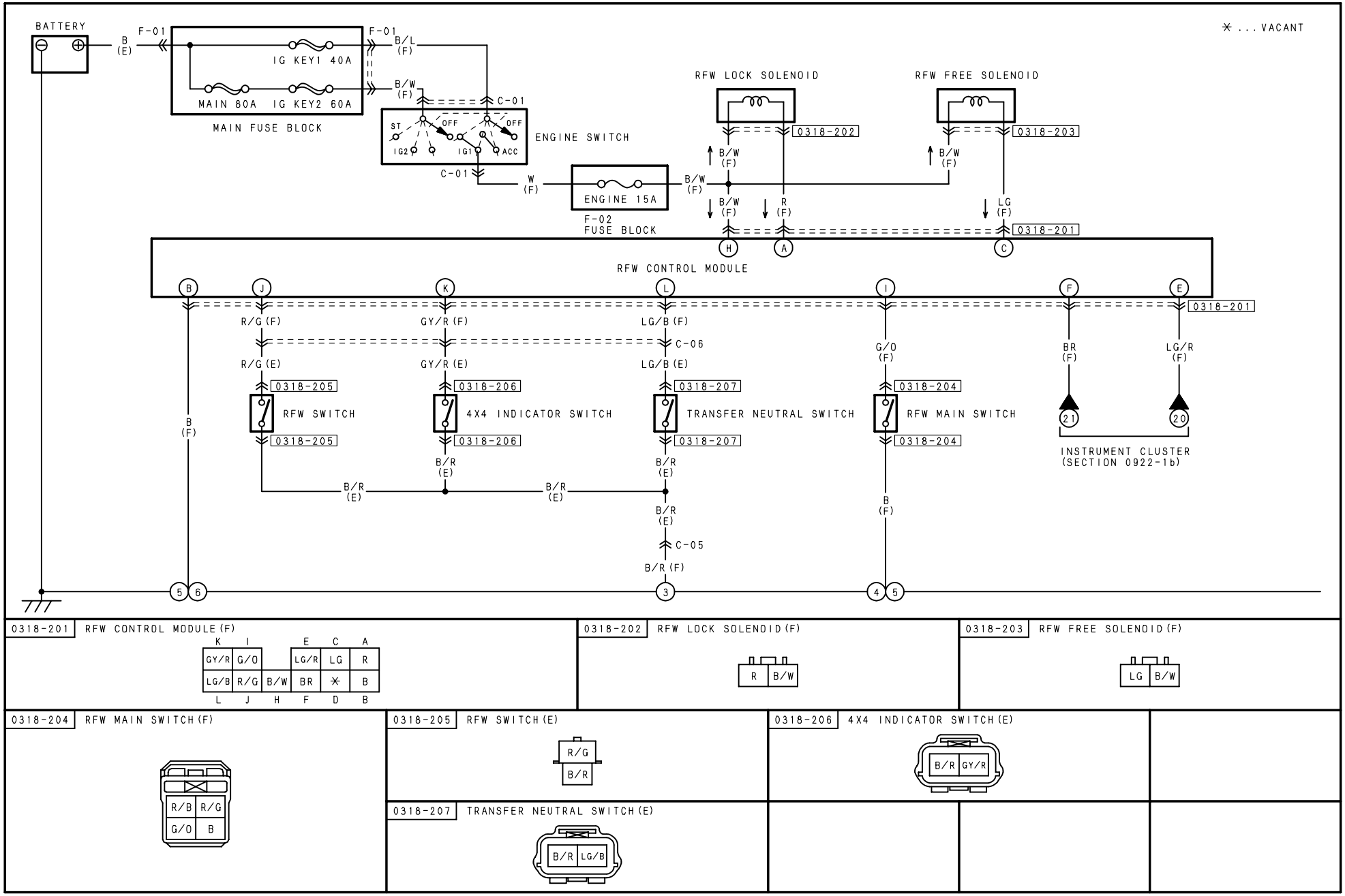
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REMOTE FREEWHEEL CONTROL SYSTEM (WLT)



0318-201 RFW CONTROL MODULE (F)

K	I		E	C	A
GY/R	G/O		LG/R	LG	R
LG/B	R/G	B/W	BR	✳	B
L	J	H	F	D	B

0318-202 RFW LOCK SOLENOID (F)

R	B/W

0318-203 RFW FREE SOLENOID (F)

LG	B/W

0318-204 RFW MAIN SWITCH (F)

R/B	R/G
G/O	B

0318-205 RFW SWITCH (E)

R/G
B/R

0318-206 4X4 INDICATOR SWITCH (E)

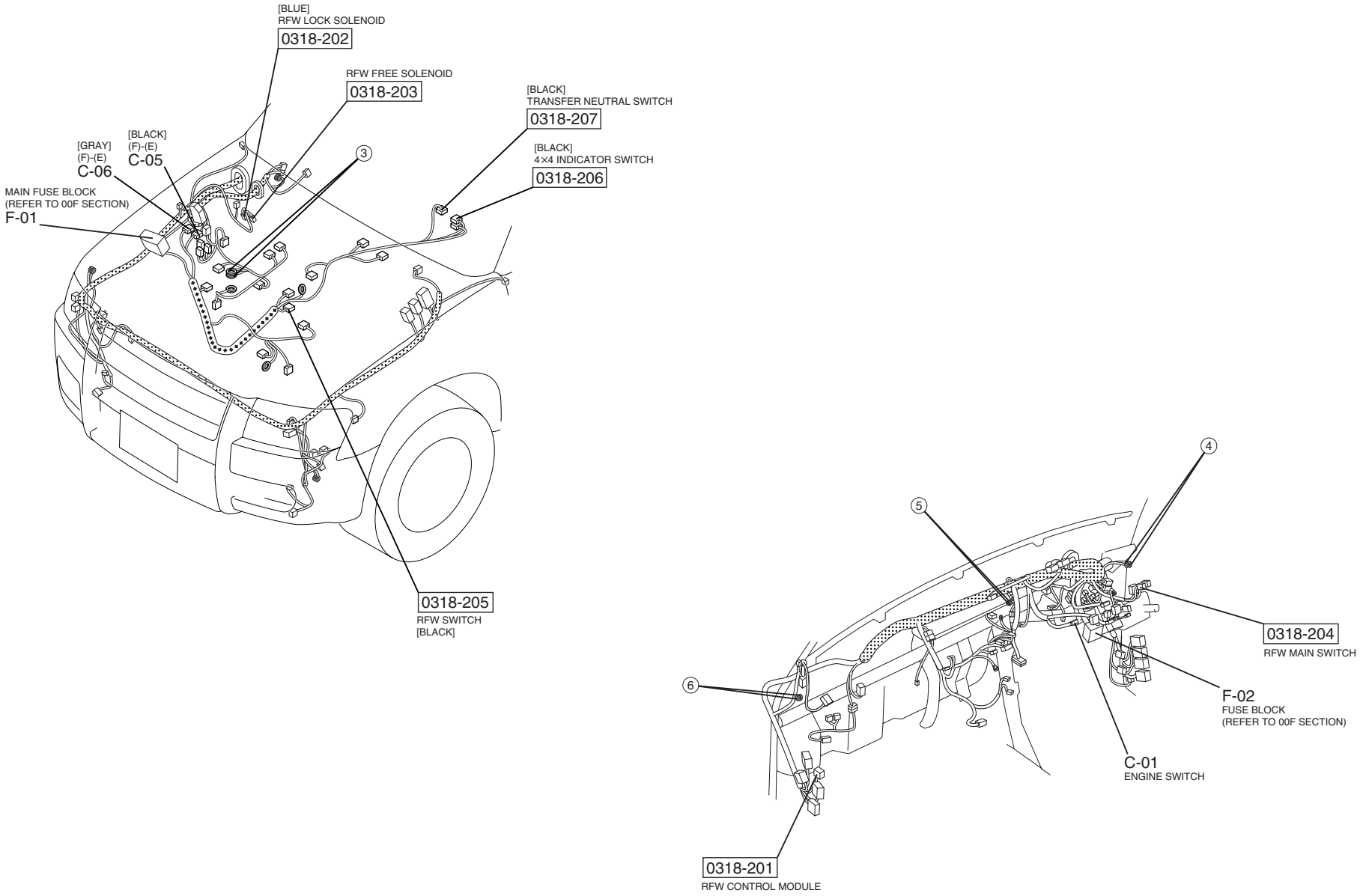
B/R	GY/R

0318-207 TRANSFER NEUTRAL SWITCH (E)

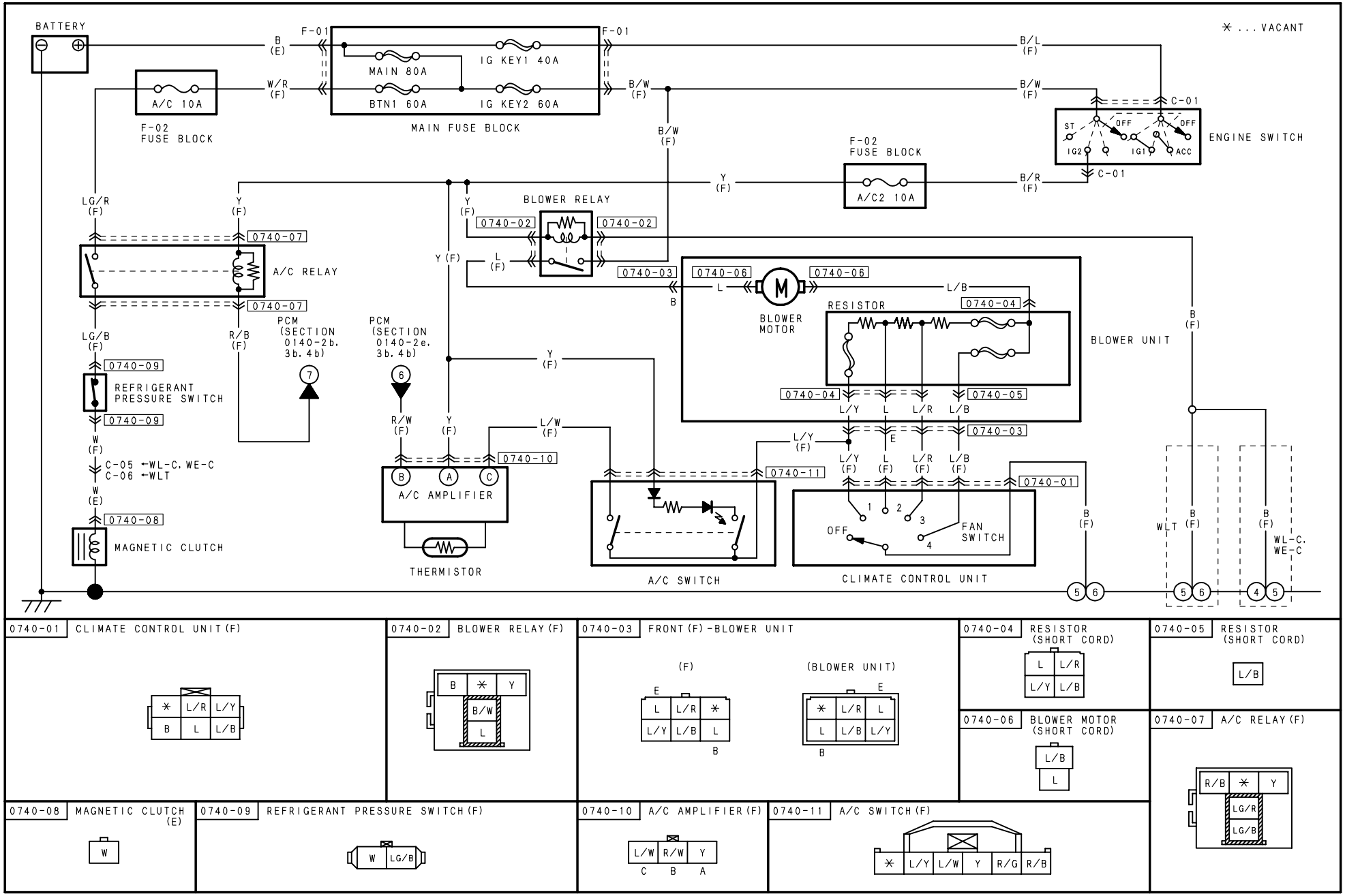
B/R	LG/B

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HARNESS SYMBOL: (F) (E) (R)



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0740-01 CLIMATE CONTROL UNIT (F)

0740-02 BLOWER RELAY (F)

0740-03 FRONT (F) - BLOWER UNIT

0740-04 RESISTOR (SHORT CORD)

0740-05 RESISTOR (SHORT CORD)

0740-06 BLOWER MOTOR (SHORT CORD)

0740-07 A/C RELAY (F)

0740-08 MAGNETIC CLUTCH (E)

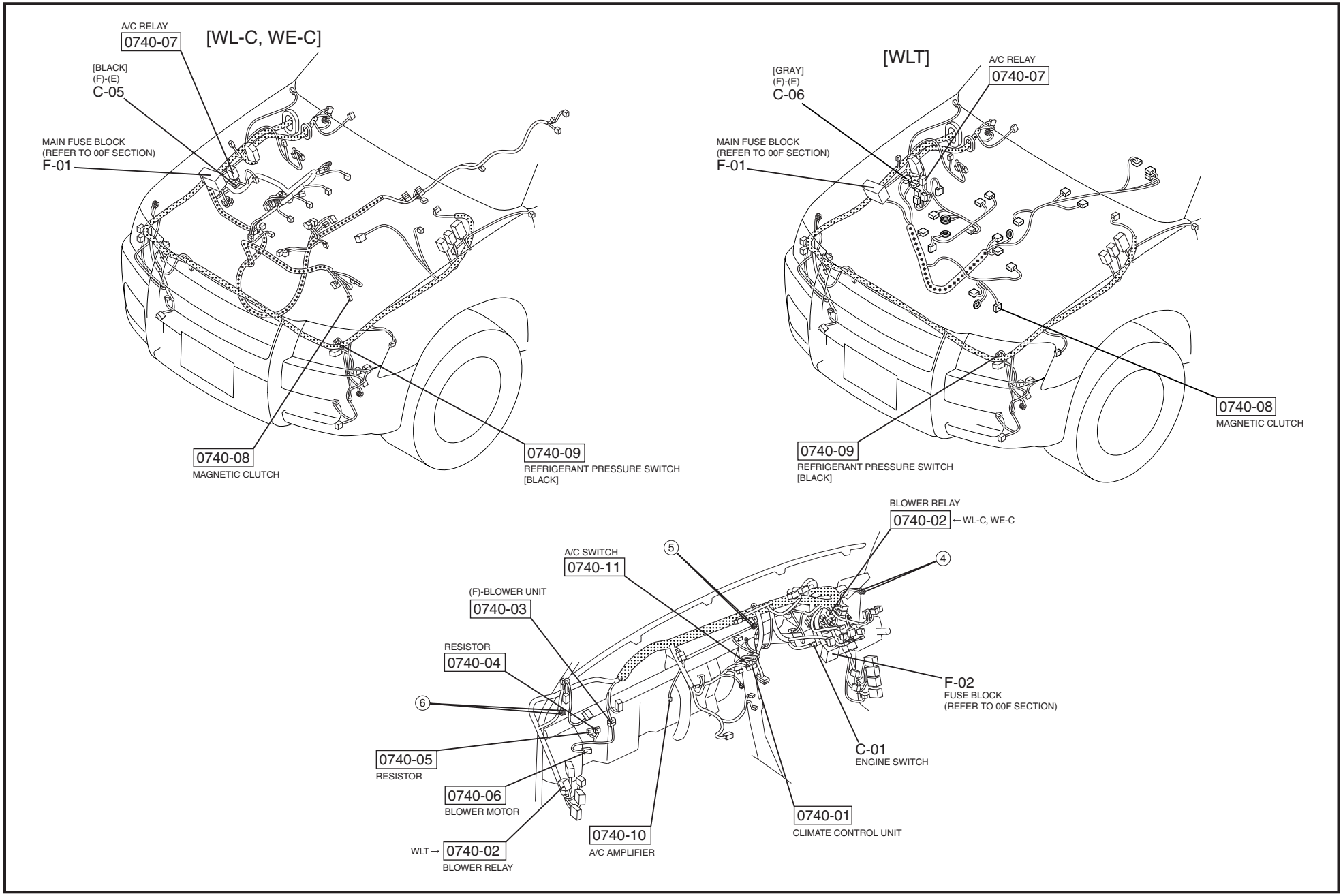
0740-09 REFRIGERANT PRESSURE SWITCH (F)

0740-10 A/C AMPLIFIER (F)

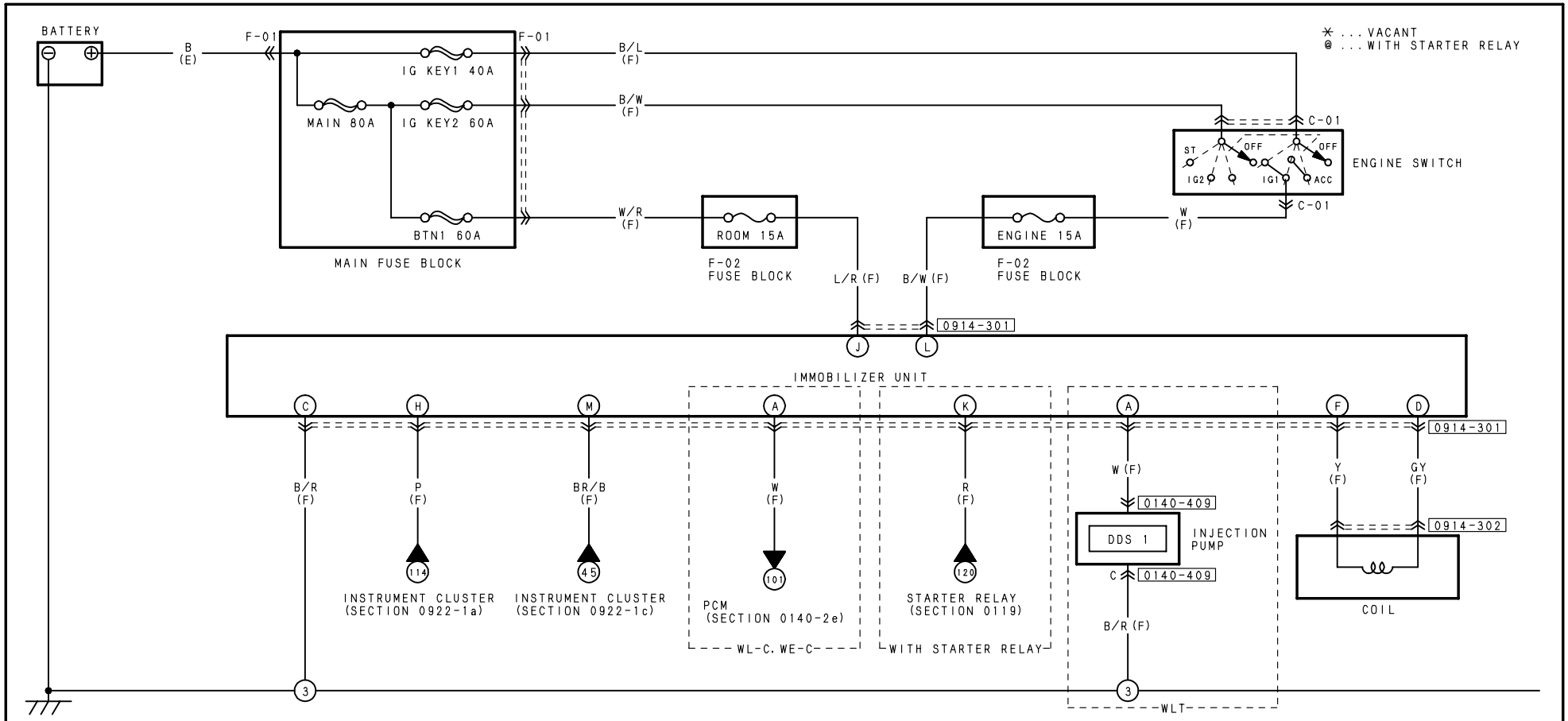
0740-11 A/C SWITCH (F)

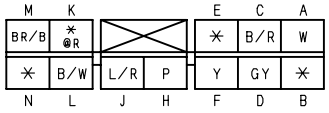
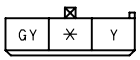
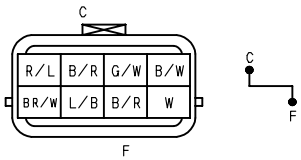
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HARNESS SYMBOL: (F) (E) (R)



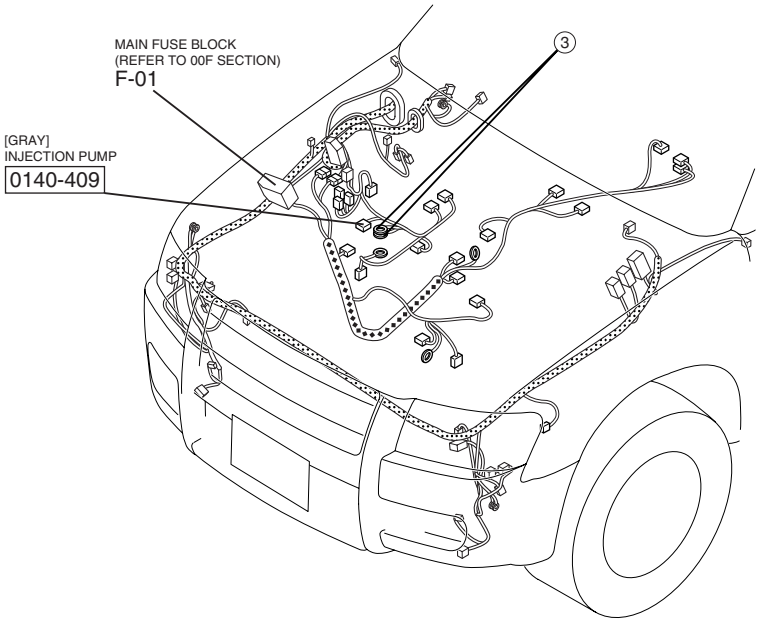
www.truck-freeworkshop.com

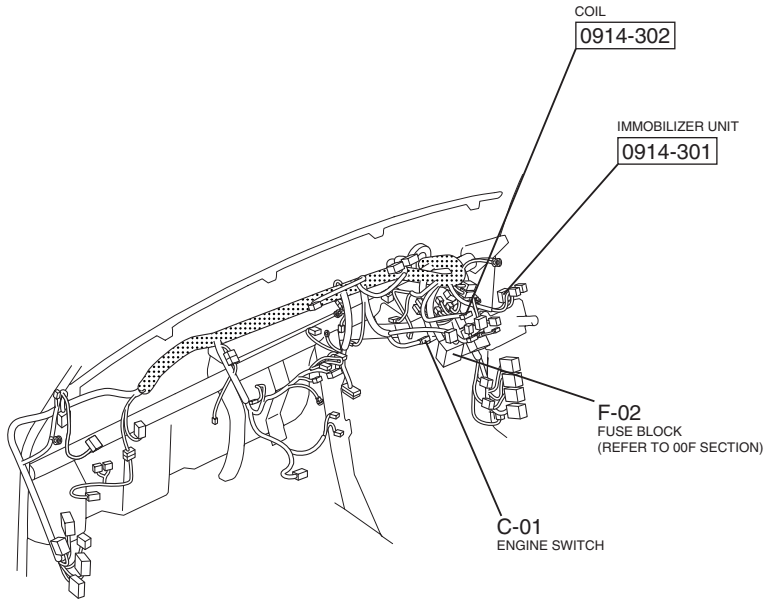


0914-301 IMMOBILIZER UNIT (F)	0914-302 COIL (F)	0140-409 INJECTION PUMP (F)
		

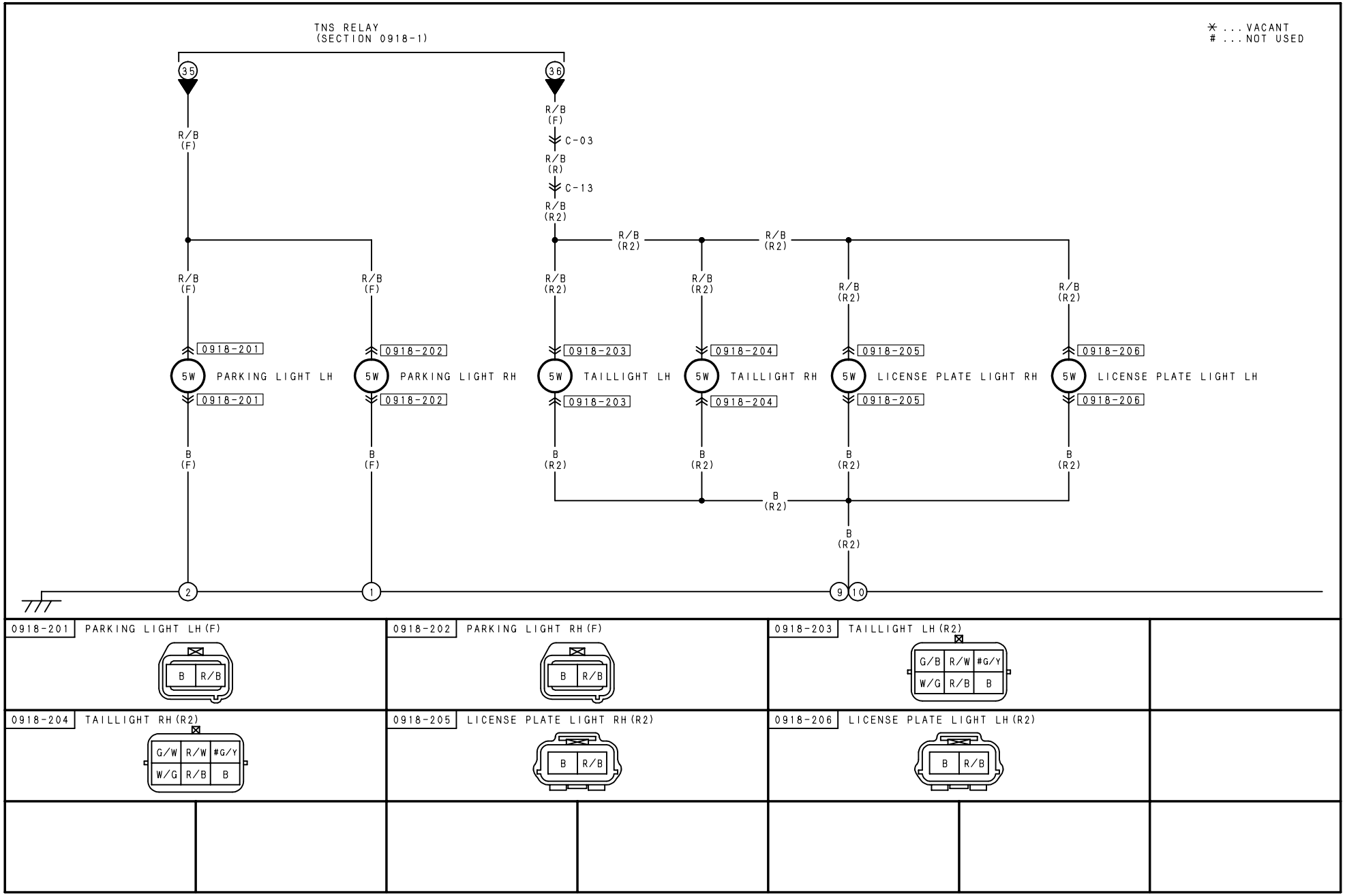
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HARNESS SYMBOL: (F) (E) (R)





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0918-201 PARKING LIGHT LH (F)

0918-202 PARKING LIGHT RH (F)

0918-203 TAILLIGHT LH (R2)

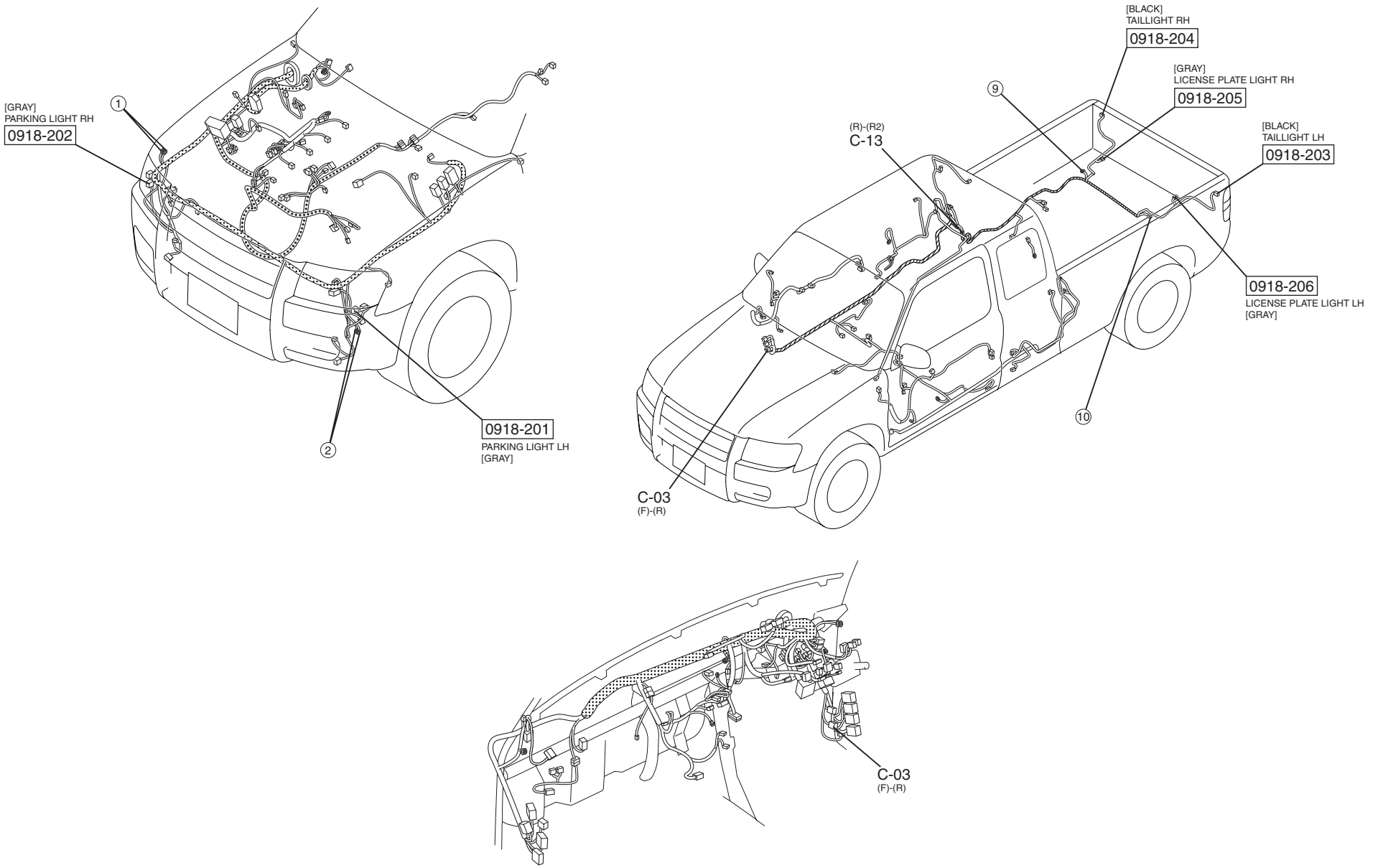
0918-204 TAILLIGHT RH (R2)

0918-205 LICENSE PLATE LIGHT RH (R2)

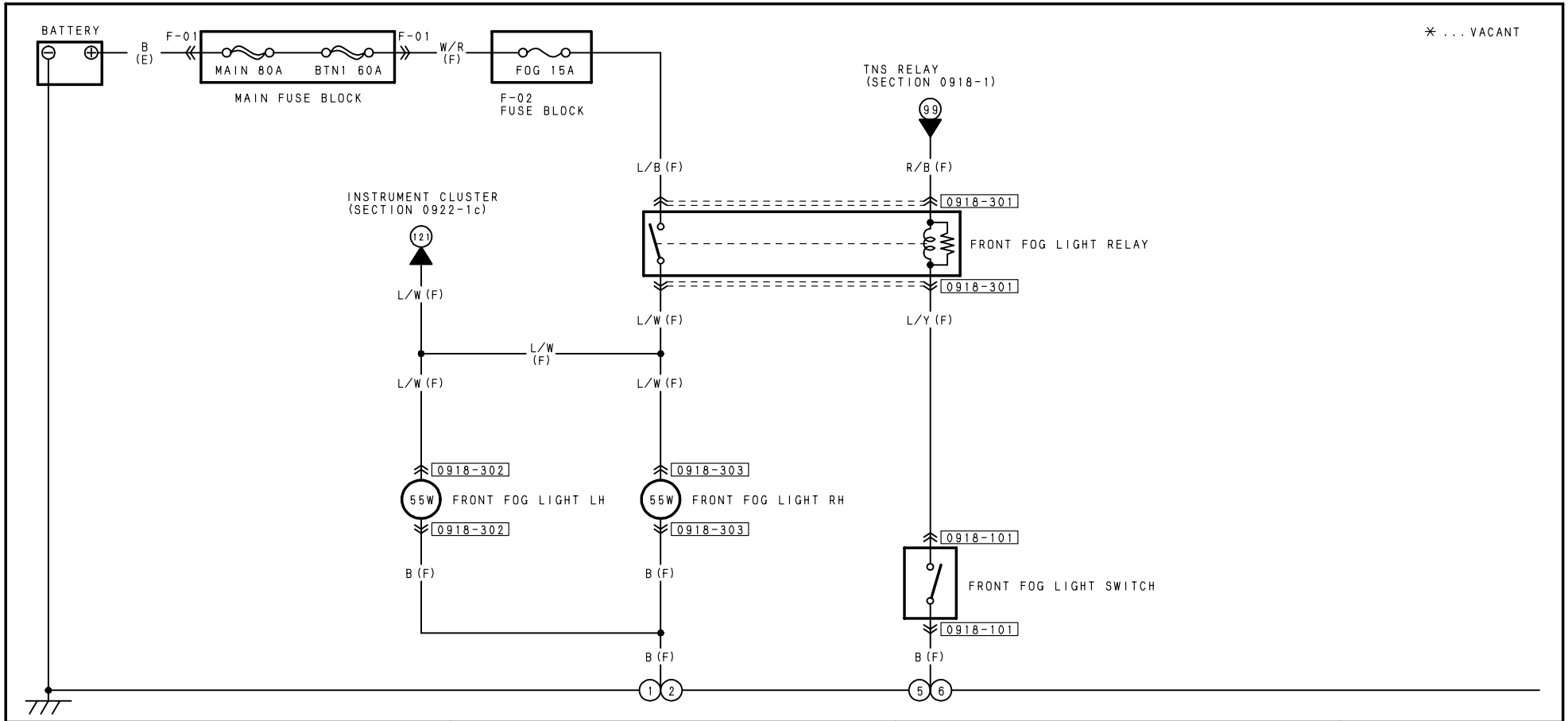
0918-206 LICENSE PLATE LIGHT LH (R2)

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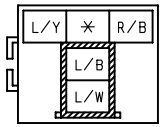
HARNESS SYMBOL: (F) (E) (R)



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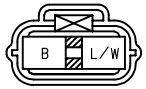
0918-301 FRONT FOG LIGHT RELAY (F)



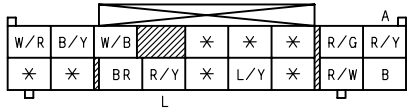
0918-302 FRONT FOG LIGHT LH (F)



0918-303 FRONT FOG LIGHT RH (F)

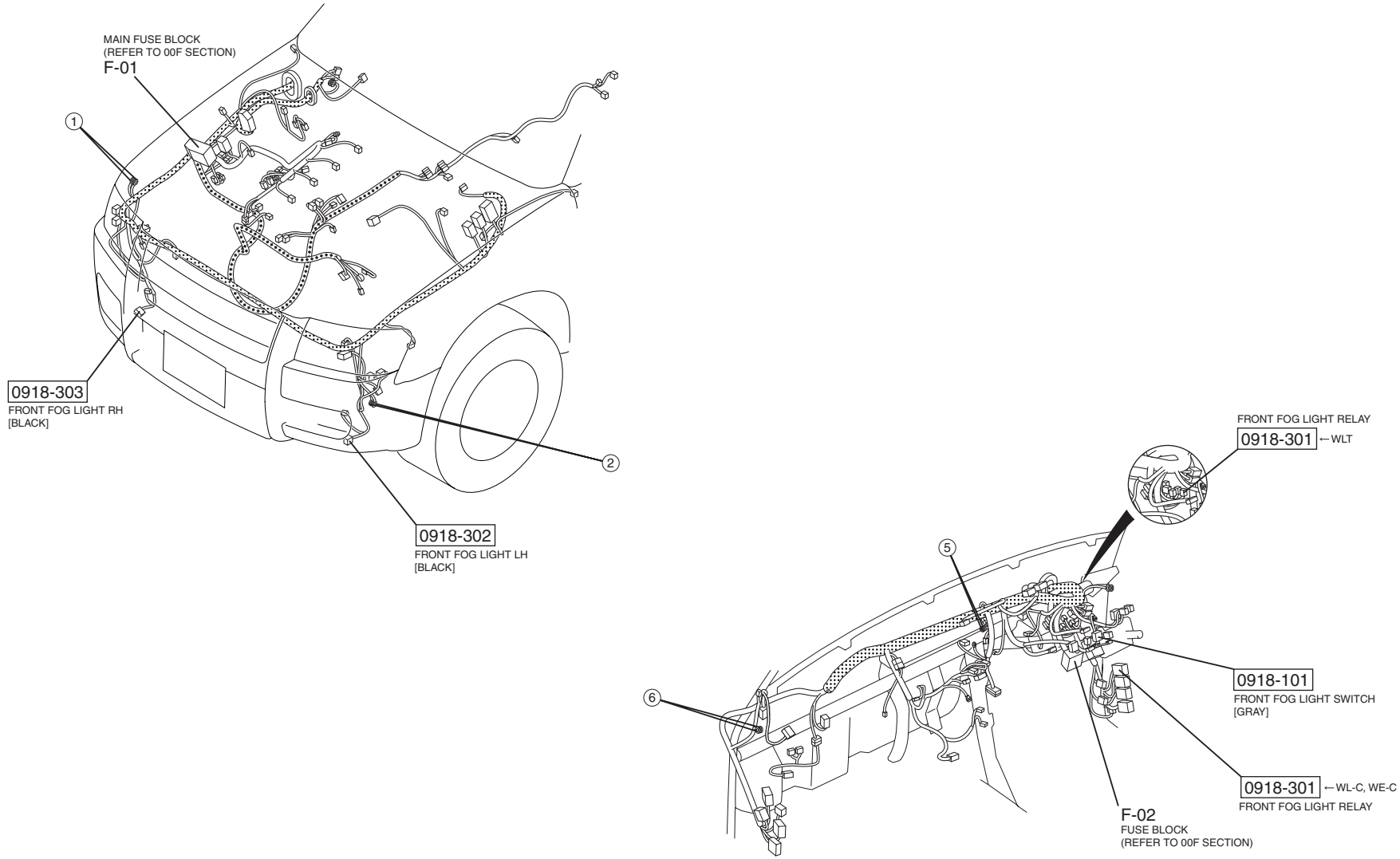


0918-101 FRONT FOG LIGHT SWITCH (F)

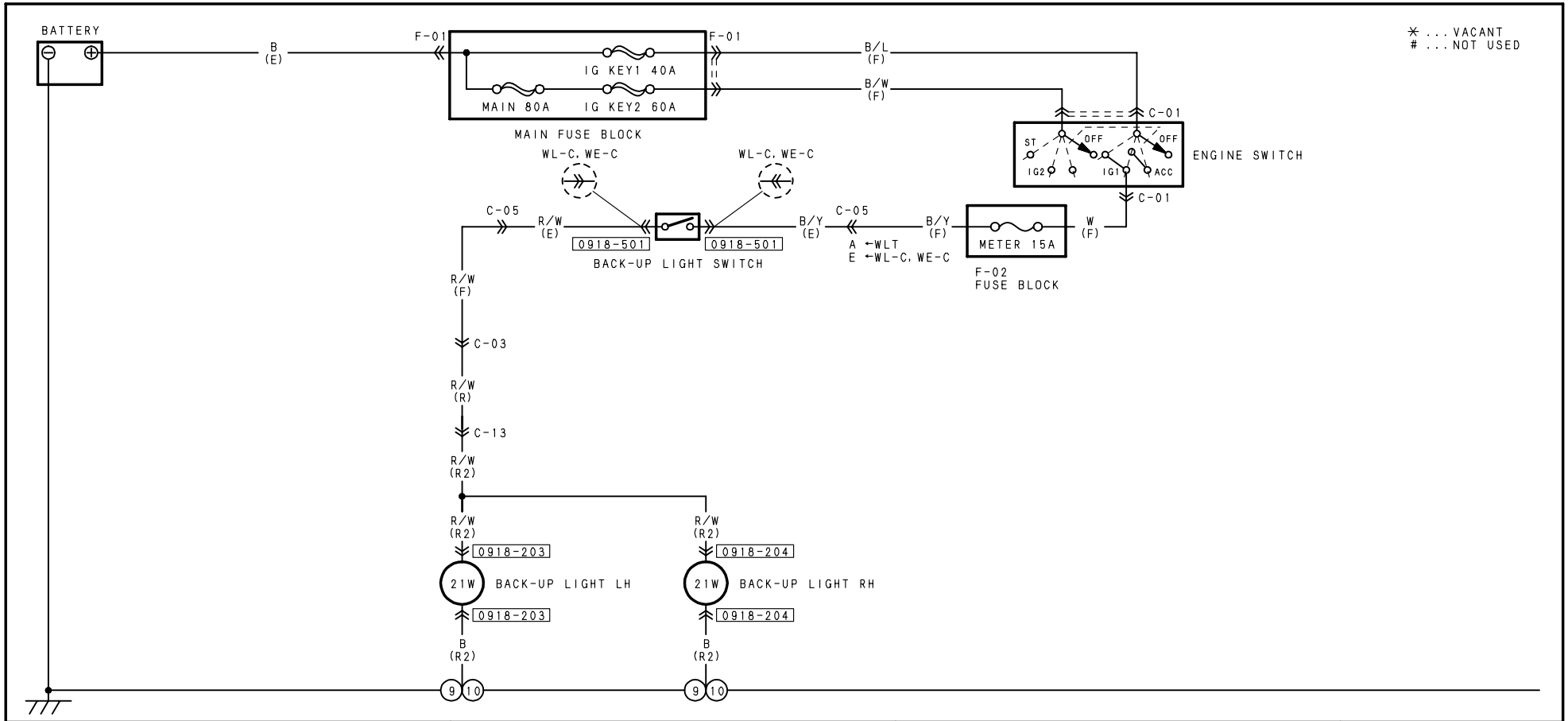


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HARNESS SYMBOL: (F) (E) (R)



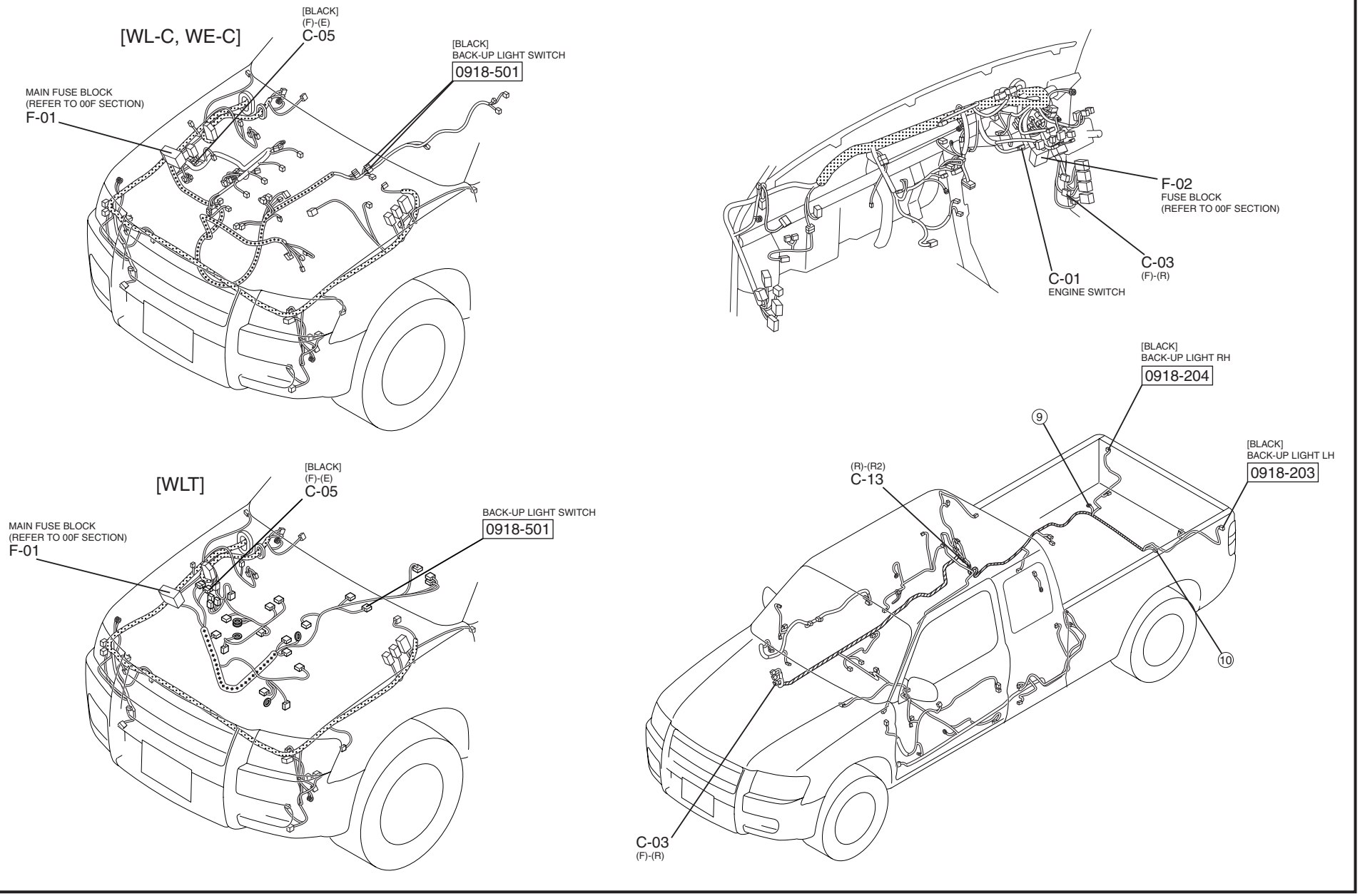
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0918-501 BACK-UP LIGHT SWITCH (E)		0918-203 BACK-UP LIGHT LH (R2)		0918-204 BACK-UP LIGHT RH (R2)		
WLT	WL-C, WE-C					
B/Y R/W	B/Y R/W	G/B R/W #G/Y W/G R/B B		G/W R/W #G/Y W/G R/B B		

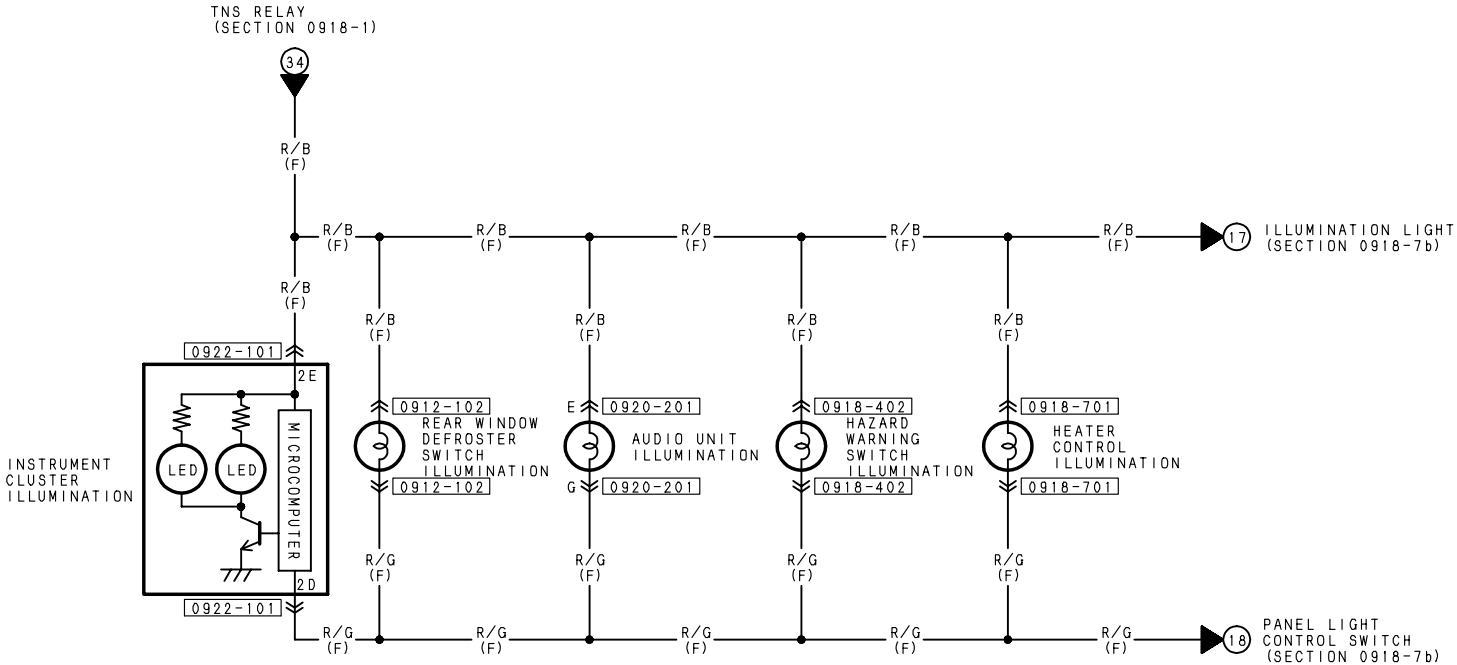
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HARNESS SYMBOL: (F) (E) (R)

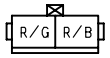


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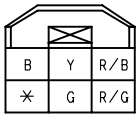
✳ . . . VACANT



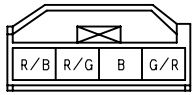
0918-701 HEATER CONTROL ILLUMINATION (F)



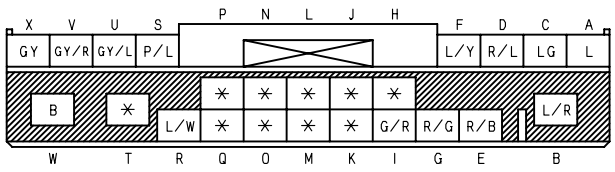
0912-102 REAR WINDOW DEFROSTER SWITCH ILLUMINATION (F)



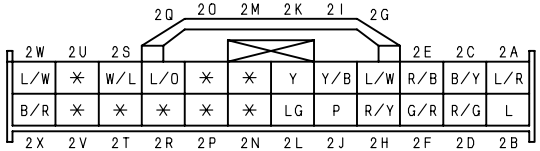
0918-402 HAZARD WARNING SWITCH ILLUMINATION (F)



0920-201 AUDIO UNIT ILLUMINATION (F)

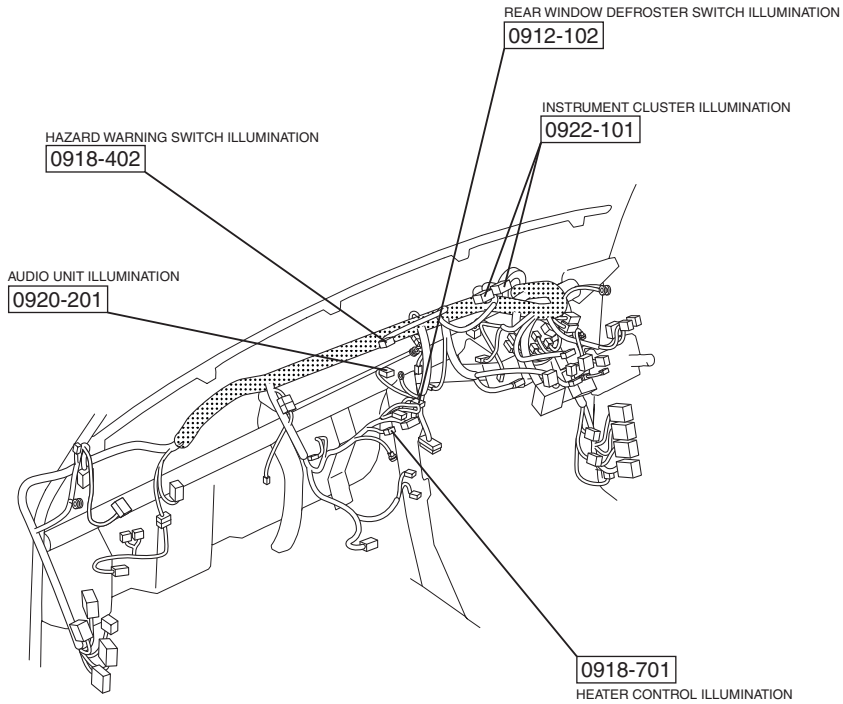


0922-101 INSTRUMENT CLUSTER ILLUMINATION (F)

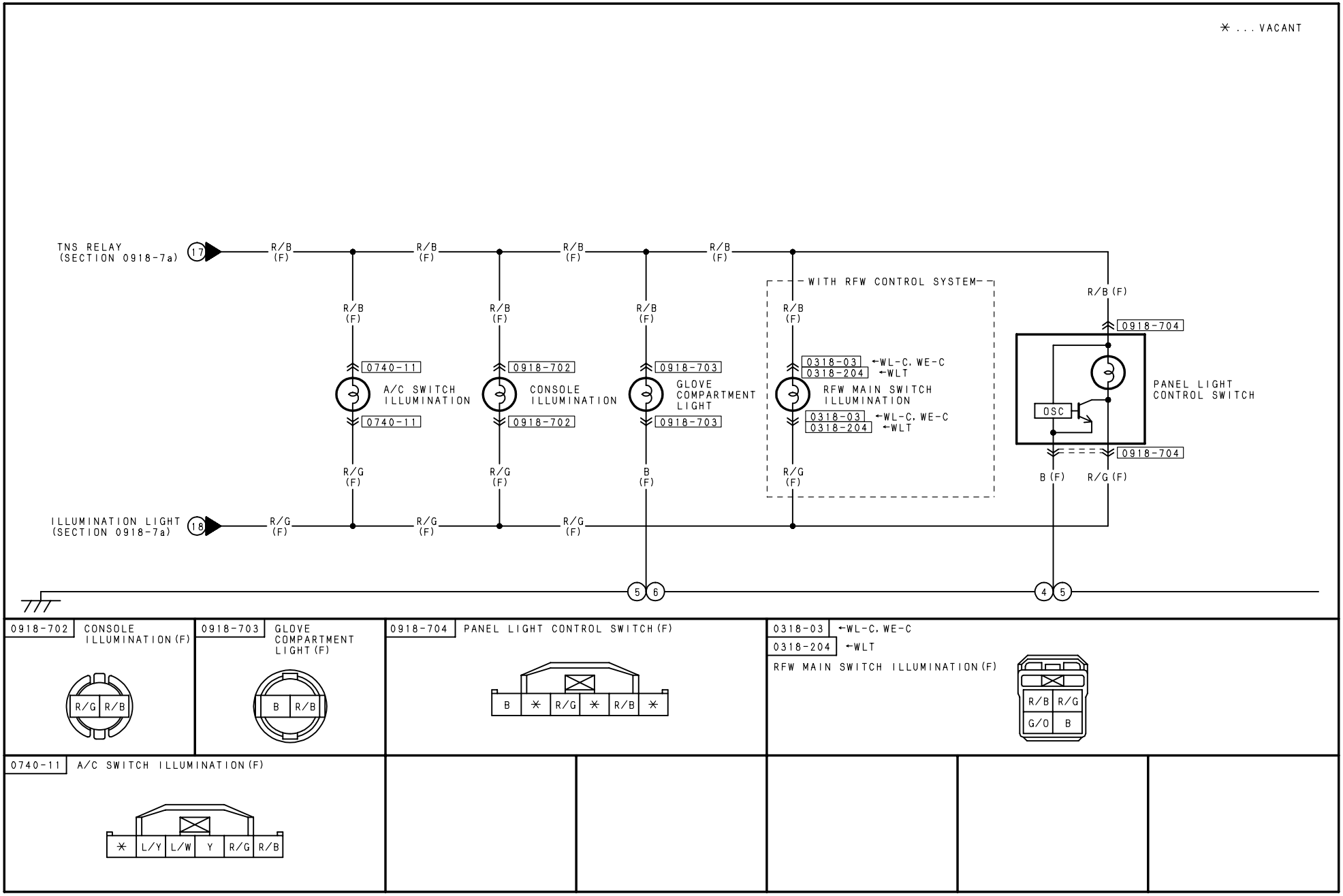


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HARNESS SYMBOL: (F) (E) (R)

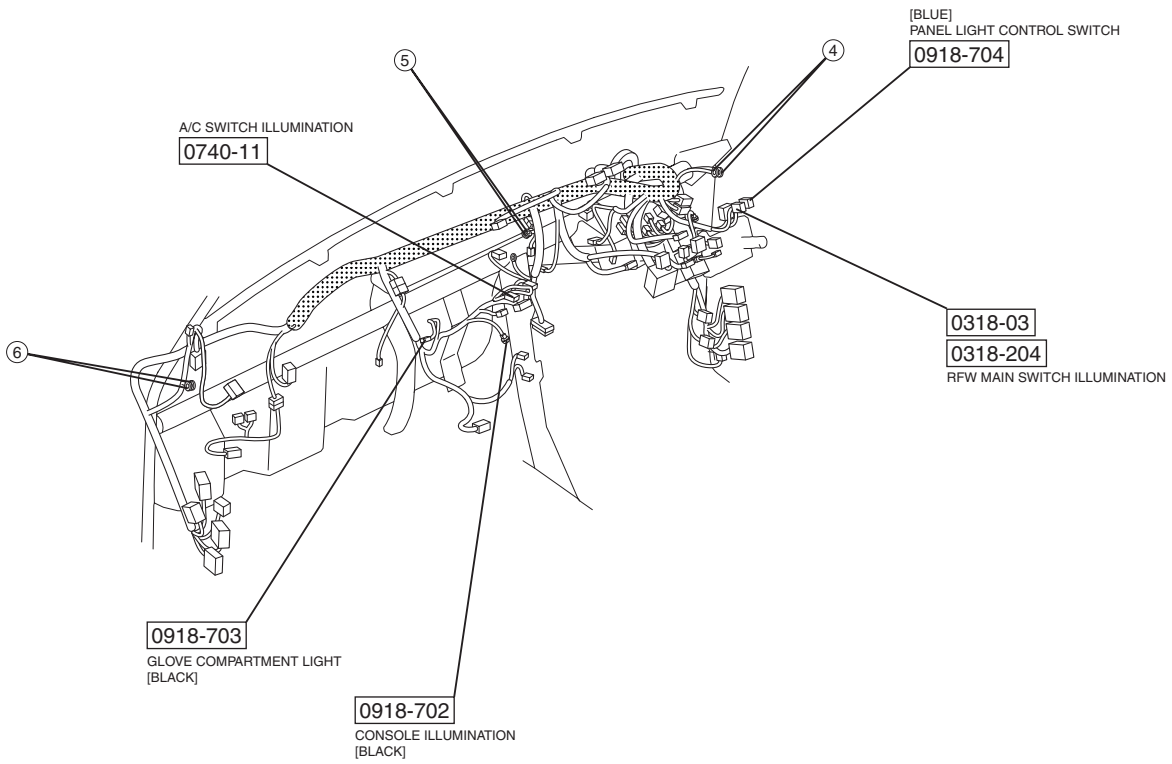


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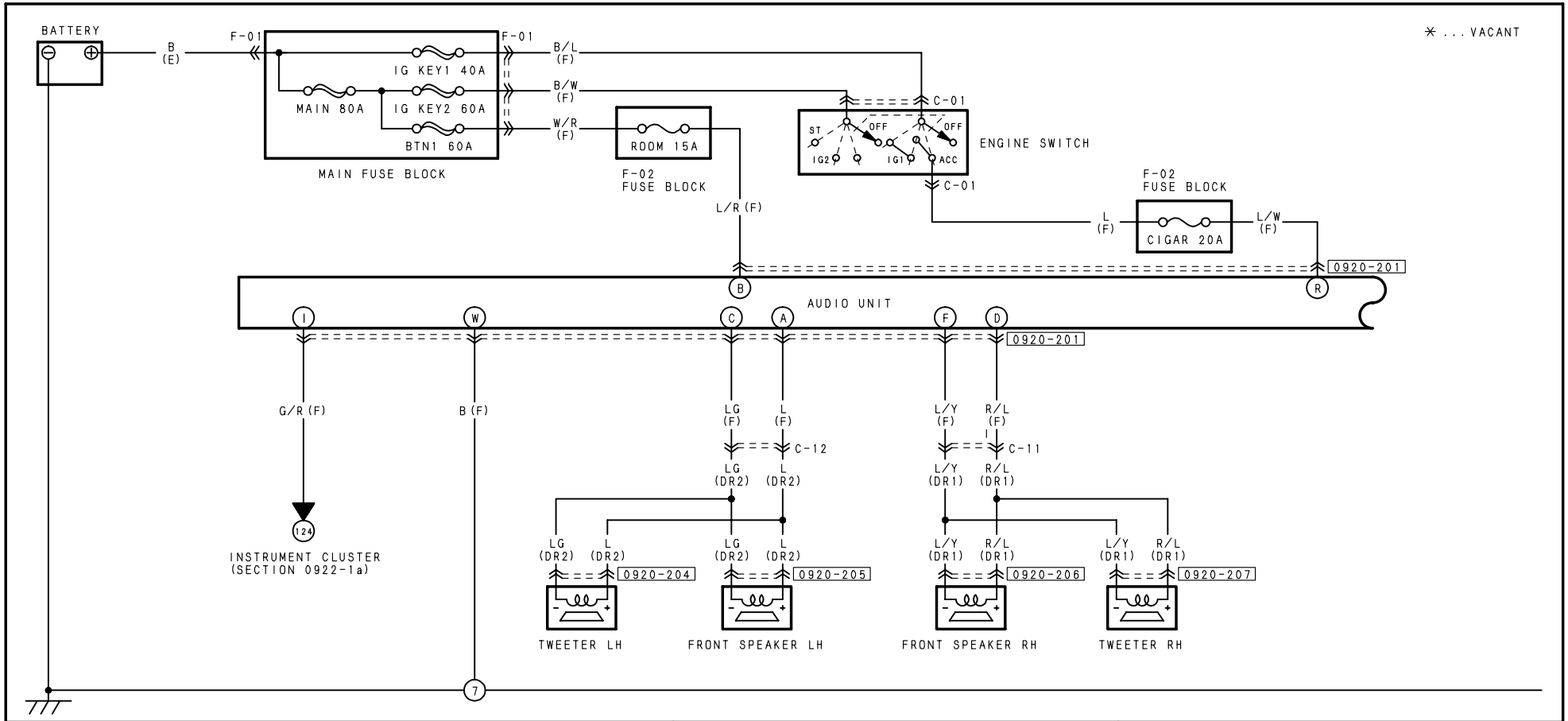


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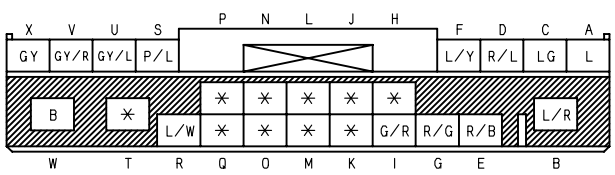
HARNESS SYMBOL: (F) (E) (R)



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0920-201 AUDIO UNIT (F)



0920-204 TWEETER LH (DR2)



0920-205 FRONT SPEAKER LH (DR2)



0920-206 FRONT SPEAKER RH (DR1)

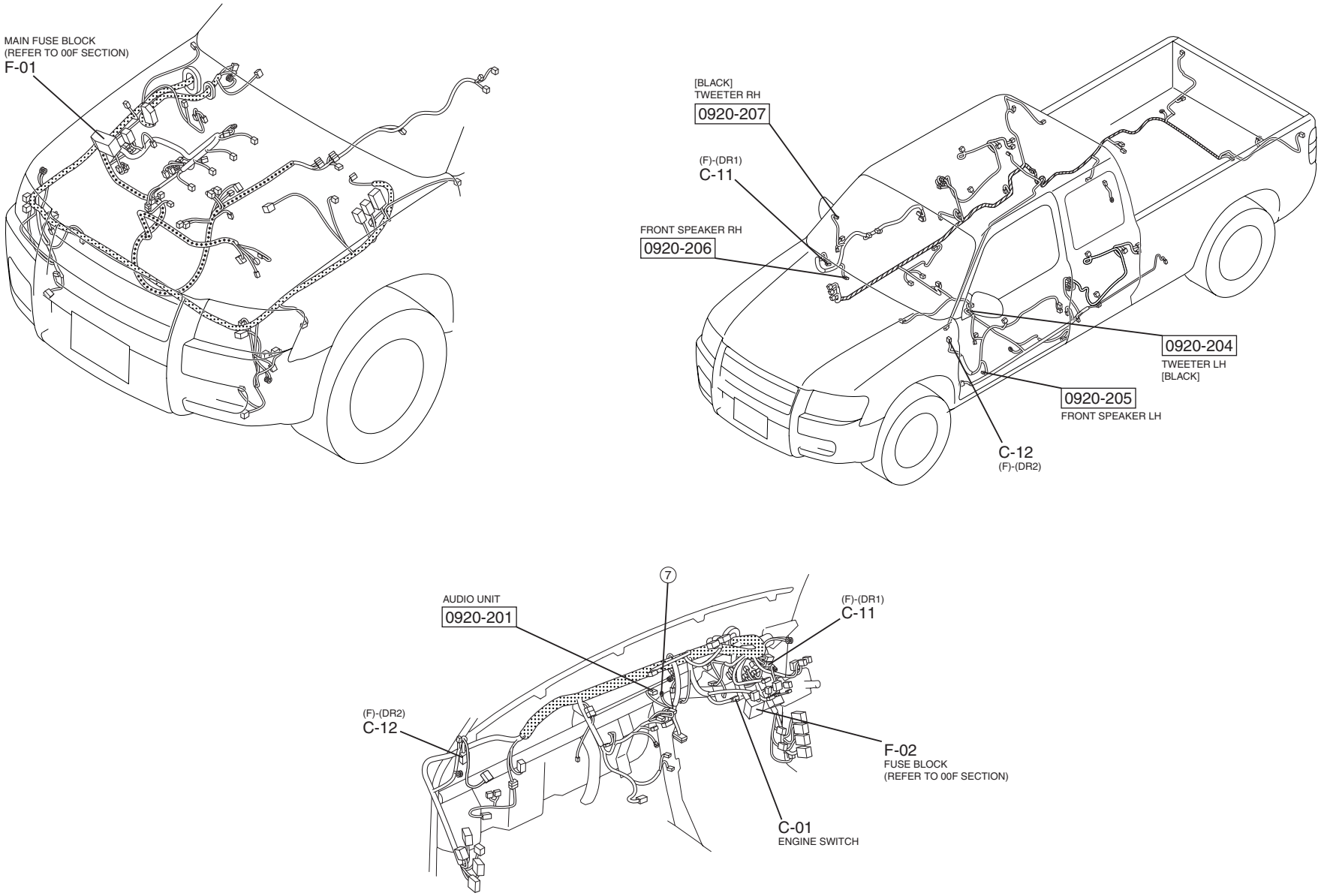


0920-207 TWEETER RH (DR1)



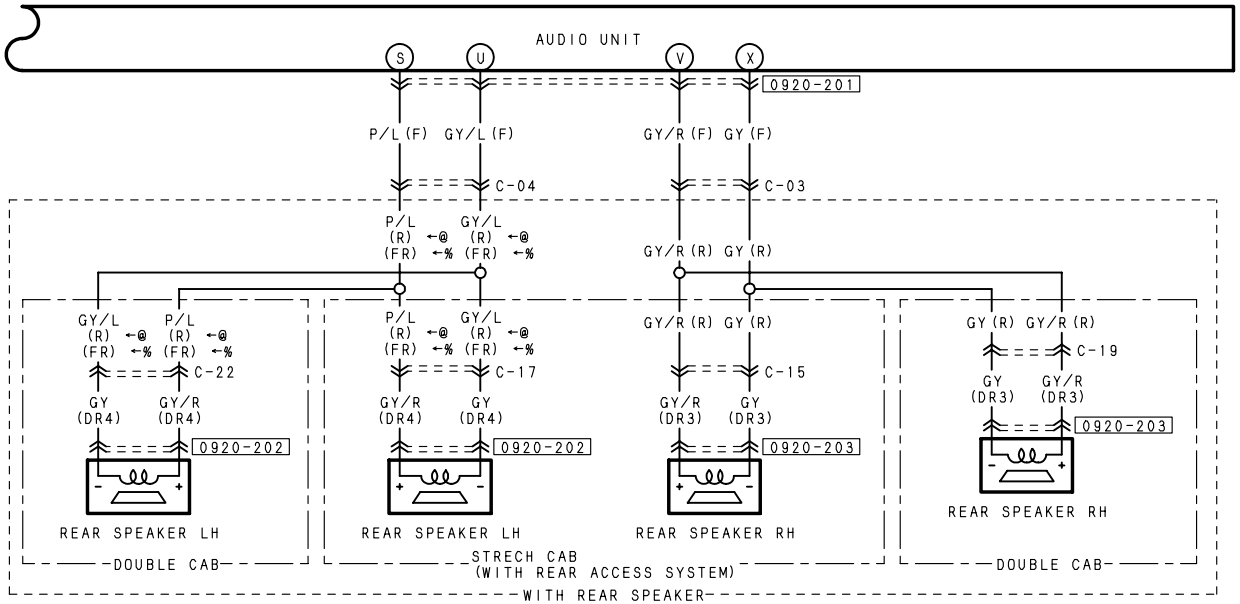
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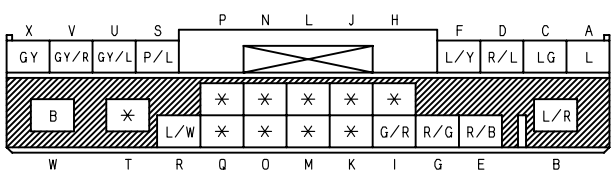


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✳ . . . VACANT
@ . . . WITH AIR BAG SYSTEM
% . . . WITHOUT AIR BAG SYSTEM



0920-201 AUDIO UNIT (F)



0920-202 REAR SPEAKER LH (DR4)

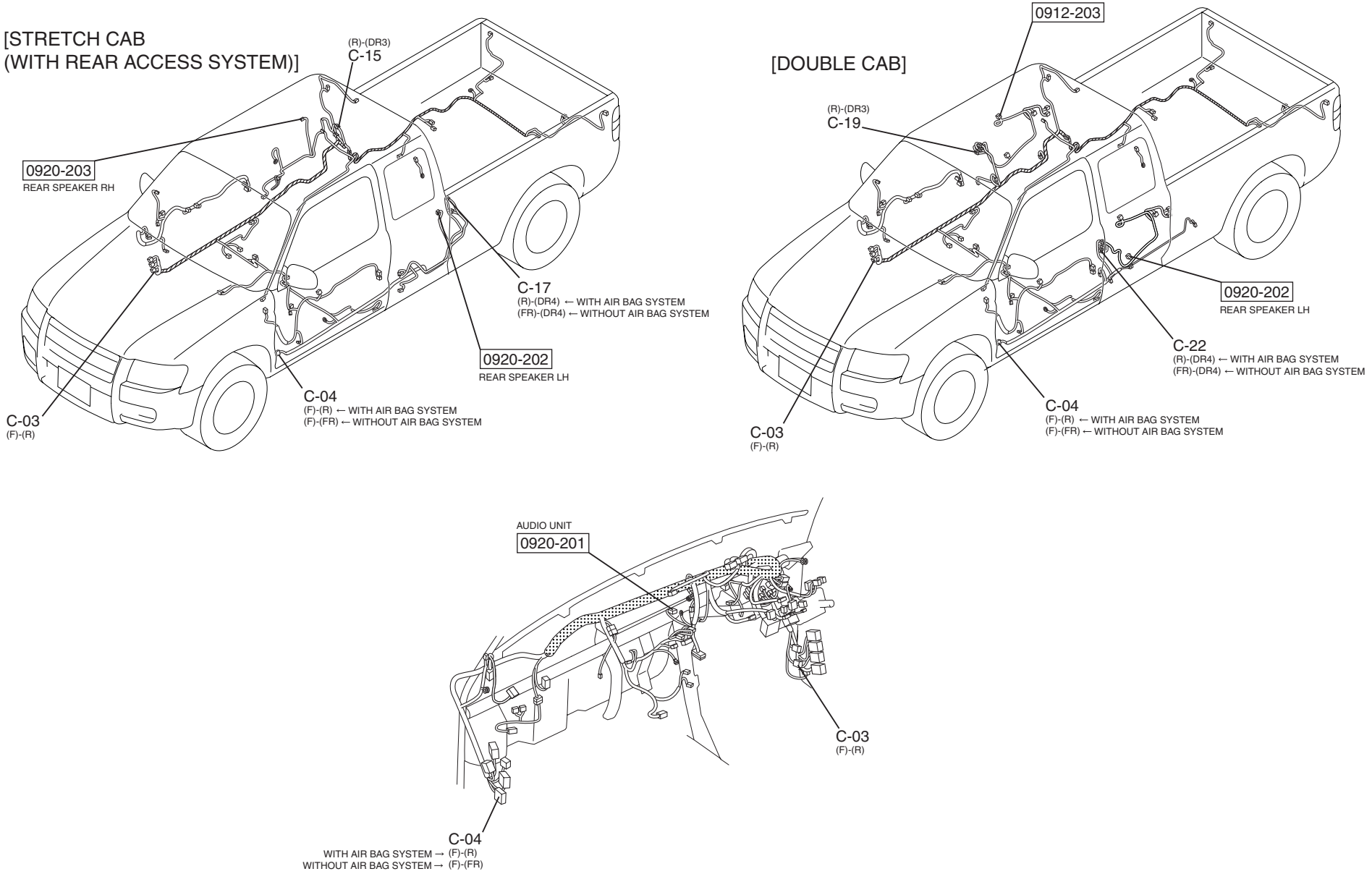


0920-203 REAR SPEAKER RH (DR3)

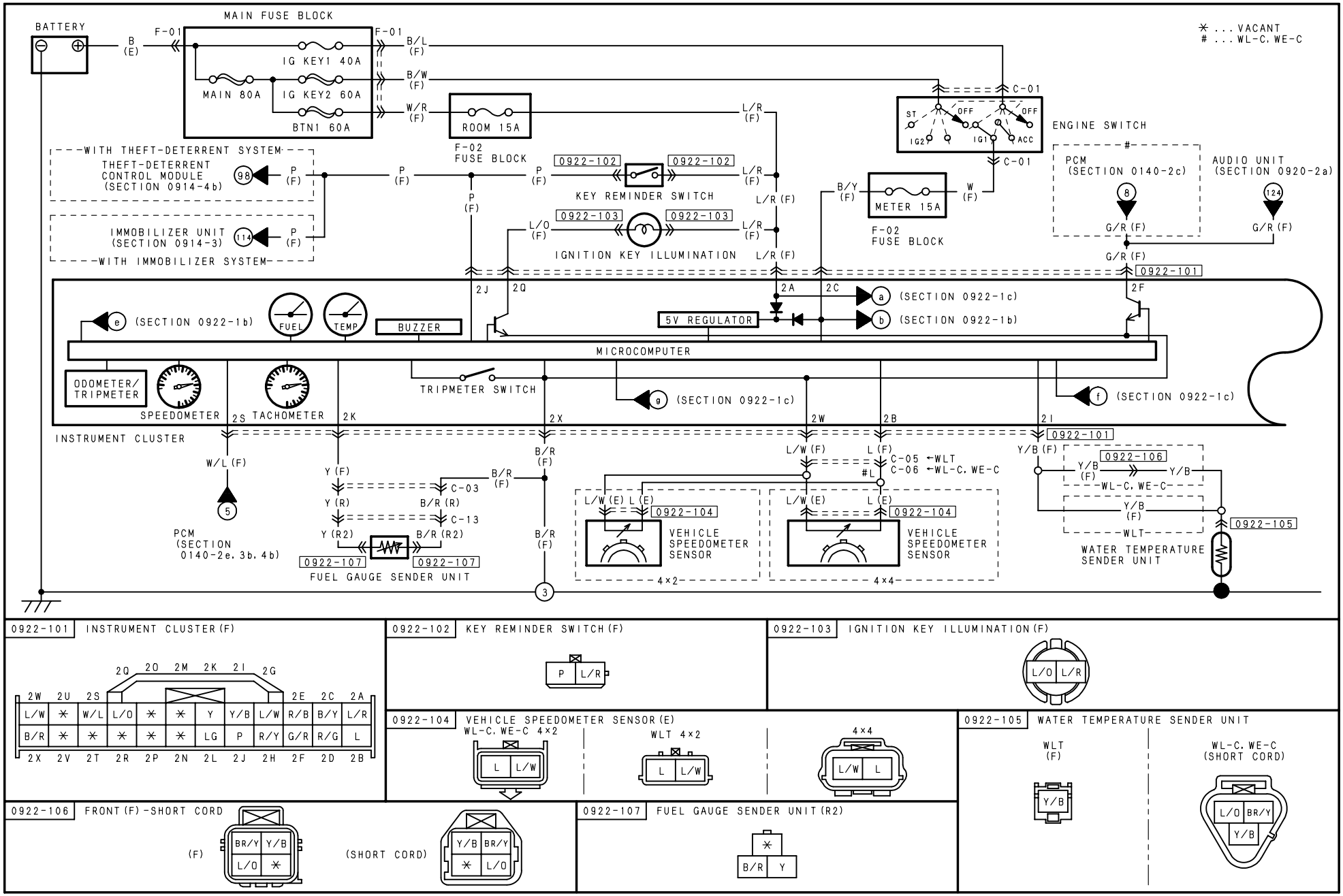


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HARNESS SYMBOL: (F) (E) (R)

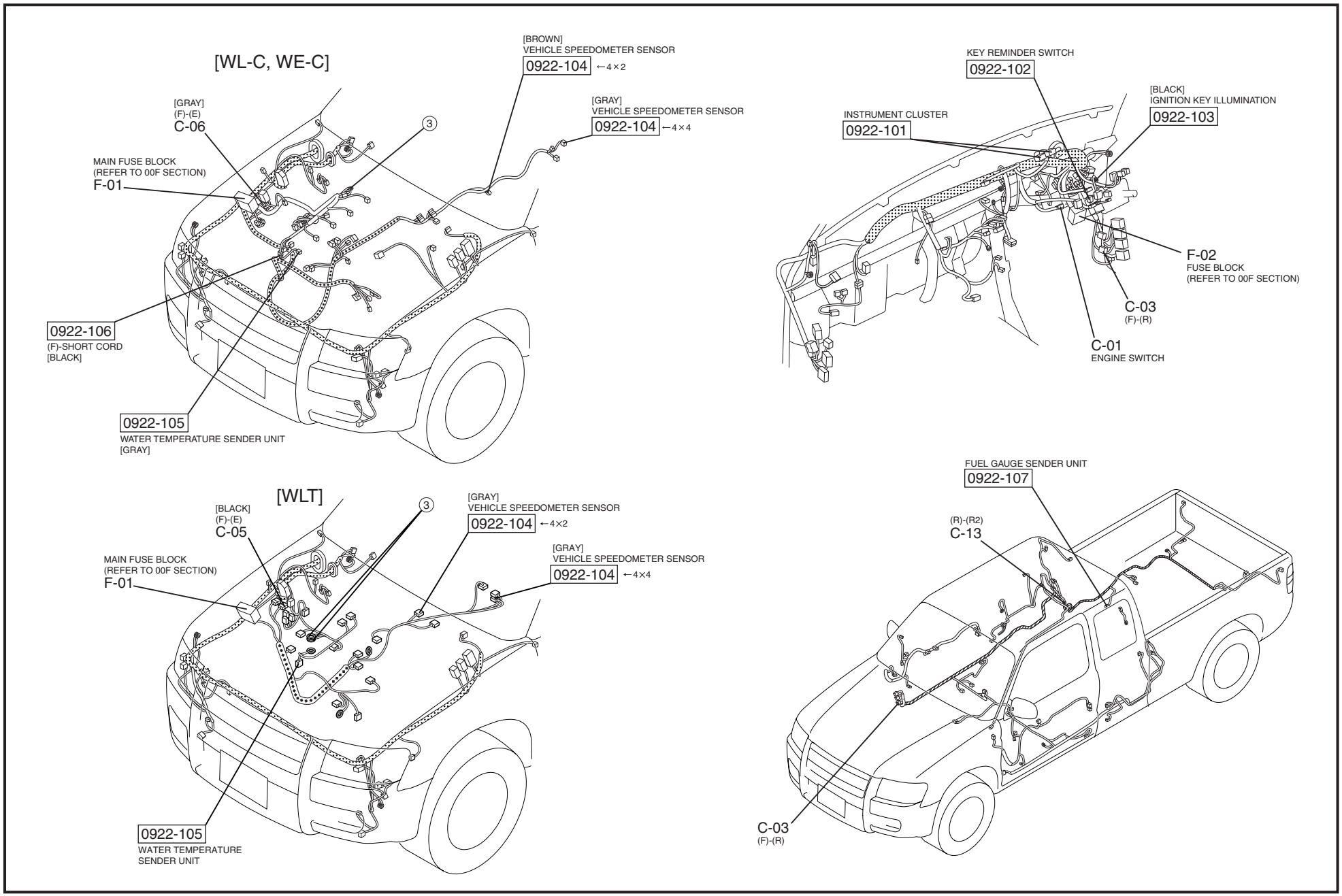


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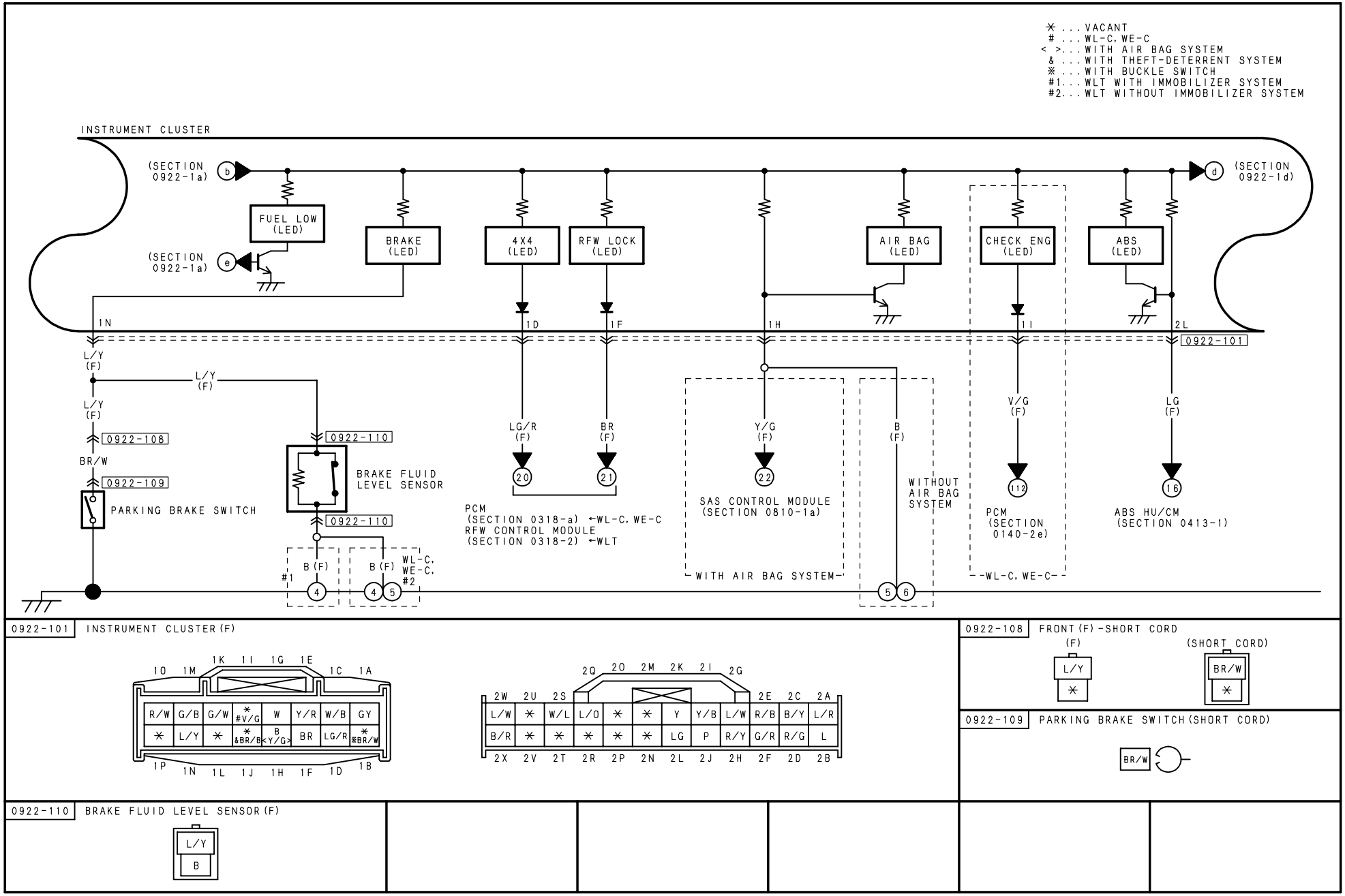


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HARNESS SYMBOL: (F) (E) (R)

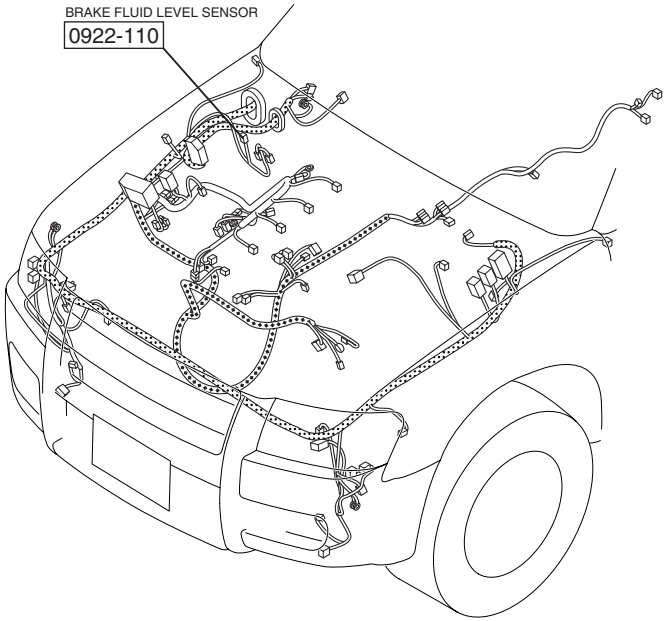


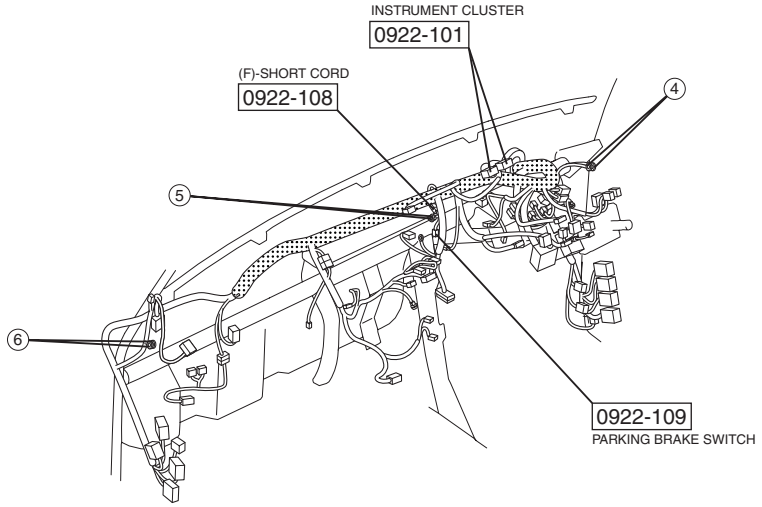
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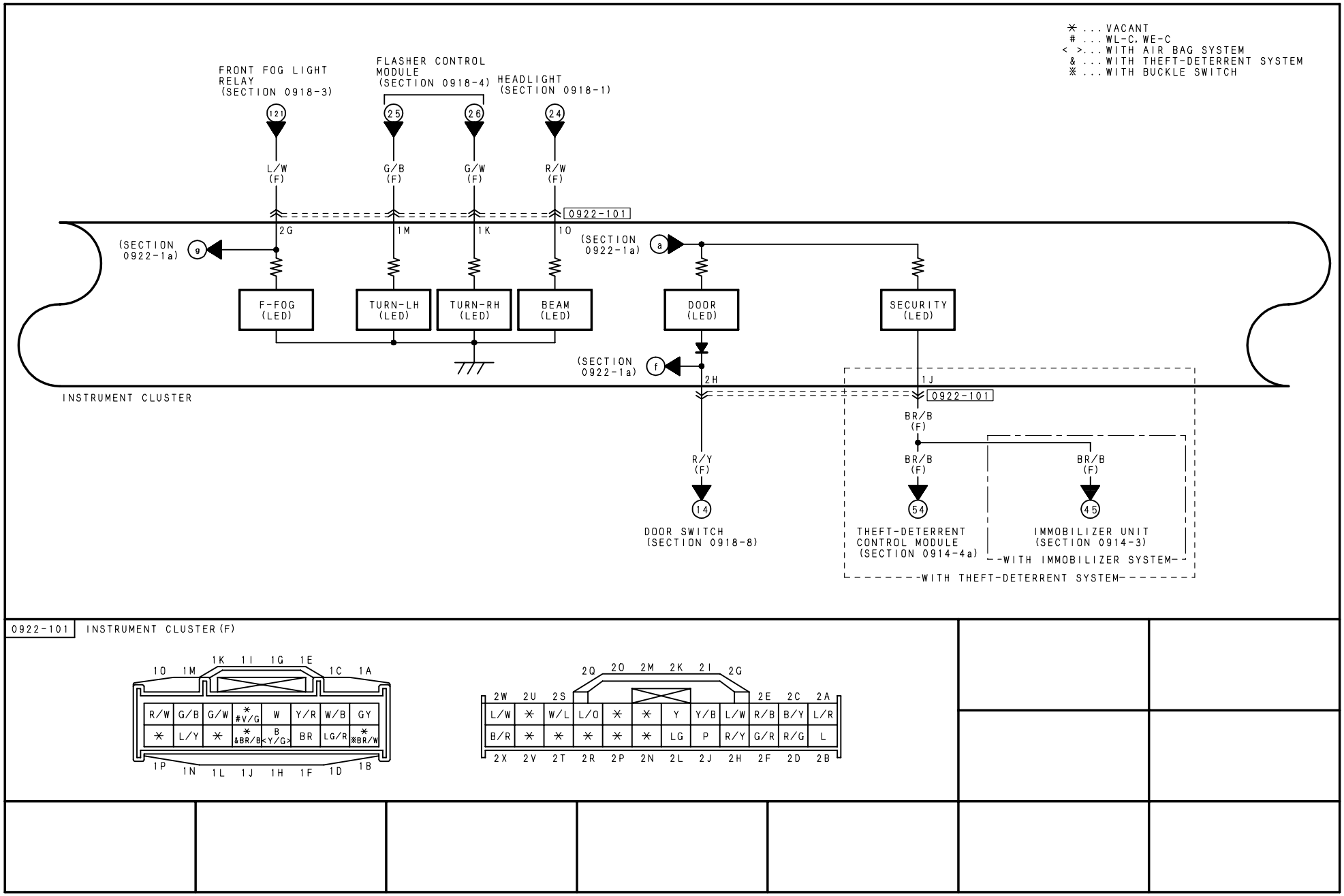
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HARNESS SYMBOL: (F) (E) (R)





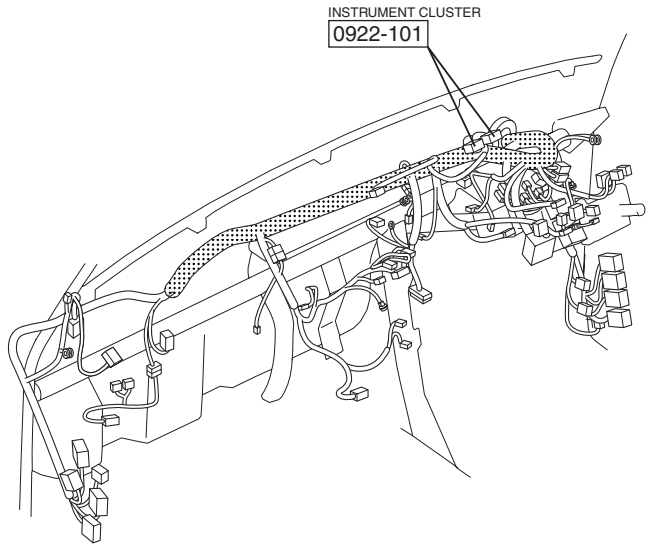
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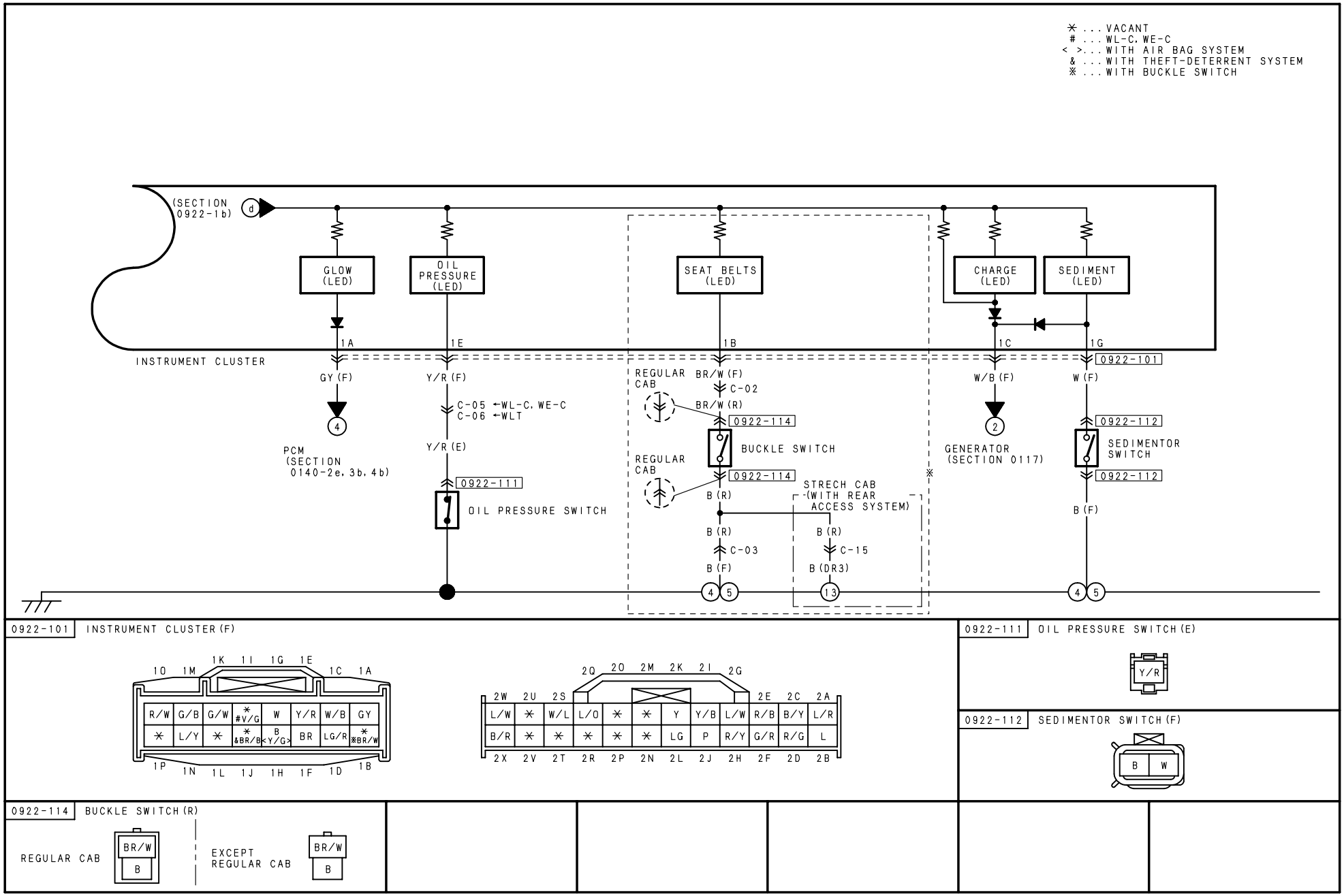
0922-101 INSTRUMENT CLUSTER (F)

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HARNESS SYMBOL: (F) (E) (R)



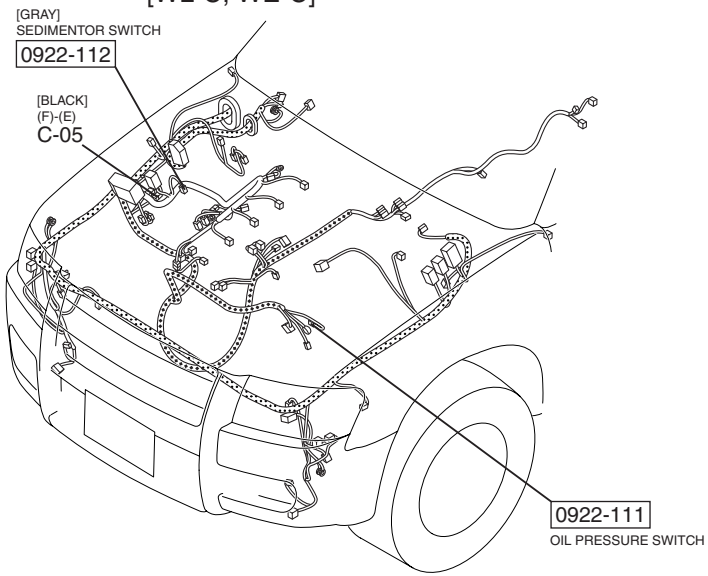
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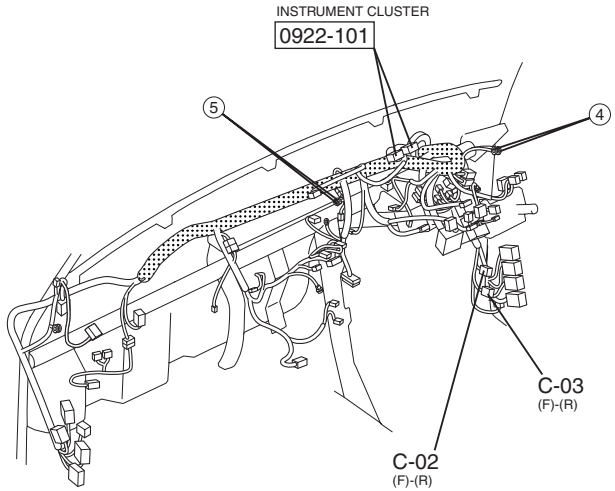


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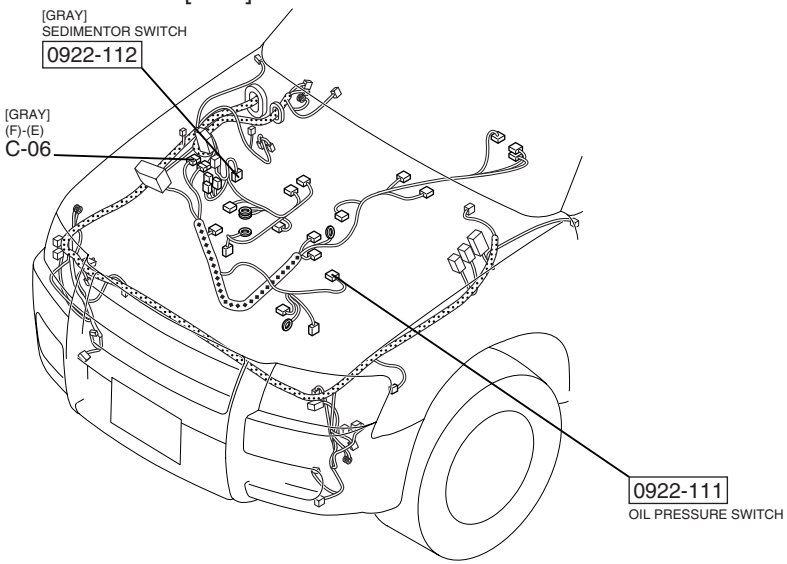
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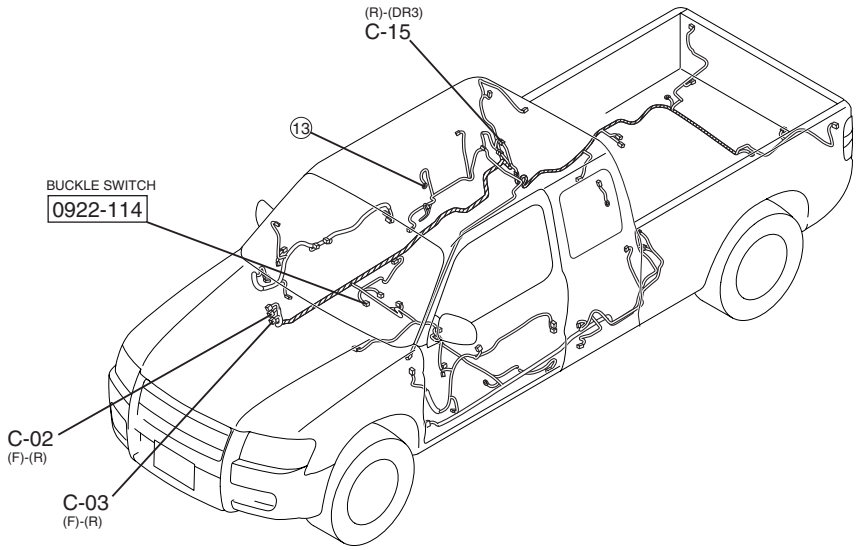
[WL-C, WE-C]





[WLT]





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ALPHABETICAL INDEX

4
- 4X4 INDICATOR SWITCH 28

A
- A/C AMPLIFIER 30
- A/C RELAY 30
- A/C SWITCH 30
- AUDIO UNIT 44

B
- BACK-UP LIGHT 38
- BACK-UP LIGHT SWITCH 38
- BLOWER MOTOR 30
- BLOWER RELAY 30
- BLOWER UNIT 30
- BRAKE FLUID LEVEL SENSOR 50
- BUCKLE SWITCH 54

C
- CKP SENSOR 20, 24
- CLIMATE CONTROL UNIT 30
- COIL 32
- COMMON CONNECTOR LIST 8

D
- DATA LINK CONNECTOR 14
- DATA LINK CONNECTOR-2 14

E
- EGR SOLENOID VALVE 26
- ELECTRICAL WIRING SCHEMATIC 4
- ENGINE COOLANT
  - TEMPERATURE SENSOR 20, 24

F
- FICD SOLENOID VALVE 20, 24
- FOG LIGHT 36
- FOG LIGHT RELAY 36
- FOG LIGHT SWITCH 36
- FRONT FOG LIGHT 36
- FRONT FOG LIGHT RELAY 36
- FRONT FOG LIGHT SWITCH 36
- FRONT SPEAKER 44
- FUEL CUT VALVE 20
- FUEL GAUGE SENDER UNIT 48
- FUSE BOX 6

G
- GENERAL INFORMATION 2
- GENERATOR 16
- GLOVE COMPARTMENT LIGHT 42
- GLOW PLUG 20, 24
- GLOW PLUG RELAY 20, 24
- GROUND POINT 10

I
- ILLUMINATION
  - A/C SWITCH 42
  - AUDIO UNIT 40
  - CONSOLE 42
  - HAZARD WARNING SWITCH 40
  - HEATER CONTROL 40
  - IGNITION KEY 48
  - INSTRUMENT CLUSTER 40
  - REAR WINDOW DEFROSTER SWITCH 40
  - RFW MAIN SWITCH 42
- IMMOBILIZER UNIT 32
- INJECTION PUMP 24, 32
- INSTRUMENT CLUSTER 48

K
- KEY REMINDER SWITCH 48

L
- LICENSE PLATE LIGHT 34

M
- MAGNETIC CLUTCH 30

O
- OIL PRESSURE SWITCH 54

P
- PANEL LIGHT CONTROL SWITCH 42
- PARKING BRAKE SWITCH 50
- PARKING LIGHT 34
- PCM 20, 24

R
- REAR SPEAKER 46
- REFRIGERANT PRESSURE SWITCH 30
- RESISTOR 30
- RFW CONTROL MODULE 28
- RFW FREE SOLENOID 28
- RFW LOCK SOLENOID 28
- RFW MAIN SWITCH 28
- RFW SWITCH 28

S
- SEDIMENTOR SWITCH 54
- SPEAKER
  - (FRONT) 44
  - (REAR) 46
- STARTER 18
- STARTER RELAY 18

T
- TAILLIGHT 34
- TRANSFER NEUTRAL SWITCH 28
- TWEETER 44

V
- VEHICLE IDENTIFICATION NUMBERS (VIN) 3
- VEHICLE SPEEDOMETER SENSOR 48

W
- WATER TEMPERATURE
  - SENDER UNIT 48

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RANGER
WIRING DIAGRAMS

CONTENTS

TITLE	SECTION
GENERAL INFORMATION	00
ENGINE	01
SUSPENSION	02
DRIVELINE/AXLE	03
BRAKES	04
TRANSMISSION/TRANSAXLE	05
STEERING	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07
RESTRAINTS	08
BODY & ACCESSORIES	09
ALPHABETICAL INDEX	AI

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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Ford Motor Company

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F1A5-40-06G

APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

European (L.H.D.) specs.

WF0 DM1D10*W
WF0 DM1E10*W
WF0 DM2D10*W
WF0 DM2E10*W
WF0 DMAD10*W
WF0 DMAE10*W
WF0 DMBD10*W
WF0 DMBE10*W
WF0 DMED10*W
WF0 DMEE10*W
WF0 DMFD10*W
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WF0 UMBE10*W
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WF0 UMEE10*W
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WF0 UMFE10*W

General (L.H.D.) specs.

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE.....2
VEHICLE IDENTIFICATION NUMBERS (VIN).....3
CONTENTS OF WIRING DIAGRAMS 4
GROUND POINTS 5
SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM ...6
ROUTING DIAGRAM 8
HARNESS SYMBOLS.....9
WIRING COLOR CODE 9
SYMBOLS 10
SERVICE WARNING AND CAUTION FOR VEHICLES WITH SRS AIR BAG SYSTEM.....12
SERVICE WARNING FOR VEHICLES WITH DISCHARGE HEADLIGHT 12
ABBREVIATIONS USED IN THIS MANUAL 12

P ELECTRICAL SYSTEM GENERAL PROCEDURES.....14

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 18
F FUSE BOX 20
C COMMON CONNECTOR LIST 22
G GROUND POINT.....26

DATA LINK CONNECTOR

D DATA LINK CONNECTOR.....30

01 ENGINE

14 FUEL SYSTEM
WITH FUEL WARMER 34
G6, F2.....36
17 CHARGING SYSTEM 38
19 STARTING SYSTEM.....40
40 CONTROL SYSTEM
WL-C, WE-C 42
WLT 52
G6, F2.....56

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE
REMOTE FREEWHEEL CONTROL SYSTEM
WL-C, WE-C 62
WLT, G6 66

04 BRAKES

13 ANTILOCK BRAKE SYSTEM
4-WHEEL ANTILOCK BRAKE SYSTEM (4W-ABS).....68

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM
HEATER AND AIR CONDITIONER.....70

08 RESTRAINTS

10 AIR BAG SYSTEM
AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION) 72

09 BODY & ACCESSORIES

12 GLASS/WINDOWS/MIRRORS
REAR WINDOW DEFROSTER 76
POWER WINDOW SYSTEM..... 78
POWER OUTER MIRROR 82
13 SEATS
SEAT WARMER..... 84
14 SECURITY AND LOCKS
POWER DOOR LOCK SYSTEM 86
KEYLESS CONTROL MODULE..... 90
IMMOBILIZER SYSTEM..... 92
THEFT-DETERRENT SYSTEM..... 94
18 LIGHTING SYSTEMS
HEADLIGHT
WITHOUT DRL SYSTEM 98
WITH DRL SYSTEM..... 100
FRONT FOG LIGHT 102
TURN AND HAZARD WARNING LIGHT..... 104
BACK-UP LIGHT 106
BRAKE LIGHT 108
HIGH-MOUNT BRAKE LIGHT..... 108
ILLUMINATION LIGHT..... 110
INTERIOR LIGHT 114
HEADLIGHT LEVELING SYSTEM 116
REAR FOG LIGHT..... 118
LICENSE PLATE LIGHT 120
PARKING LIGHT..... 120
TAILLIGHT 120
DAYTIME RUNNING LIGHT (DRL) SYSTEM..... 122
19 WIPER/WASHER SYSTEM
WINDSHIELD WIPER AND WASHER 124
20 ENTERTAINMENT
ACCESSORY SOCKET 126
CIGARETTE LIGHTER..... 126
AUDIO SYSTEM..... 128
22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER..... 132
HORN 140

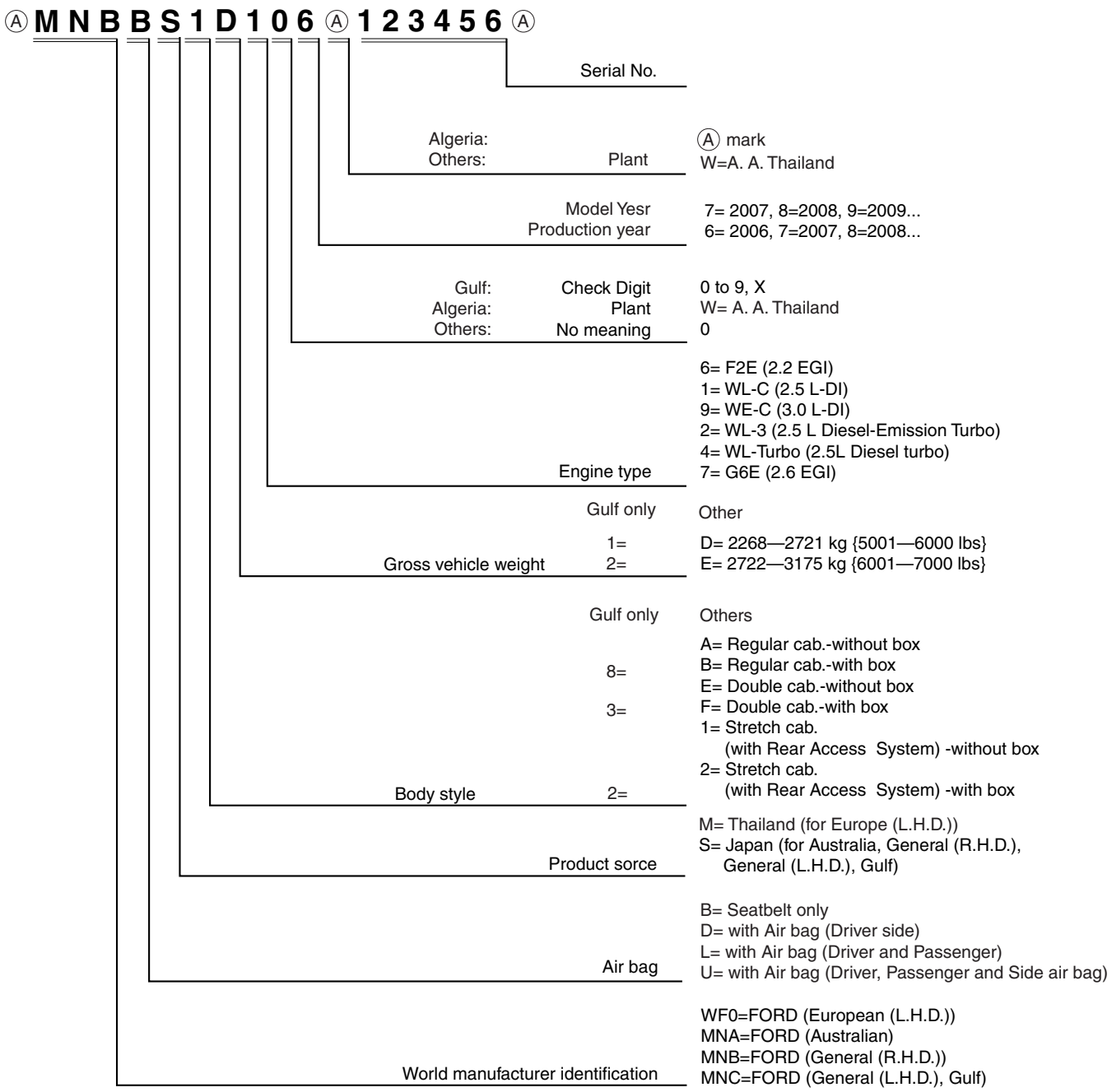
AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 142

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE



Ⓐ : This mark is used only for Algerian model, in order to identify the manufacturer.

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VEHICLE IDENTIFICATION NUMBERS (VIN)

European (L.H.D.) specs.

WF0 DM1D10*W
WF0 DM1E10*W
WF0 DM2D10*W
WF0 DM2E10*W
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WF0 DMBD10*W
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WF0 UMFE10*W

General (L.H.D.) specs.

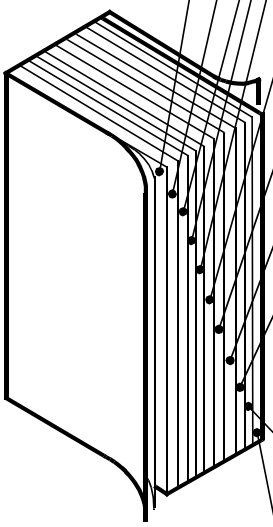
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MNC BSFE9W*	MNC DSFE9W*	MNC LSFE9W*	MNC USFE9W*

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Reading Wiring Diagrams

CONTENTS OF WIRING DIAGRAMS

- This manual comprises the sections shown below.



GENERAL INFORMATION	00	R	Reading wiring diagrams	A how-to on using and reading wiring diagrams, using test equipment, checking harness and connectors, and finding trouble spots
		P	Electrical system general procedures	
		E	Electrical wiring schematic	Shows main fuses and other fuses for each system
		F	Fuse box complete wiring system	Shows internal circuits and connectors
		J	Joint box/Junction box complete wiring system	
		C	Common connector list	Shows connectors common throughout system
		G	Ground point	Ground routes from and to the battery
		D	Data link connector	Shows circuit and connector diagrams and component and connector location diagrams
ENGINE	01	12	Cooling system	
		14	Fuel system	
		17	Charging system	
		18	Ignition system	
		19	Starting system	
		20	Cruise control system	
		40	Control system	
SUSPENSION	02	12	Wheel and tires	
DRIVELINE/AXLE	03	18	4-Wheel drive	
BRAKES	04	13	Antilock brake system	
		14	Traction control system	
		15	Dynamic stability control	
TRANSMISSION/ TRANSAXLE	05	13	Automatic transmission	
		14	Automatic transmission shift mechanism	
		17	Automatic transaxle	
		18	Automatic transaxle shift mechanism	
STEERING	06	13	Electric power steering (EPS)	
		14	Power steering	
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07	40	Control system	
RESTRAINTS	08	10	Air bag system	
		11	Seat belt	
BODY & ACCESSORIES	09	12	Glass/Windows/Mirrors	
		13	Seats	
		14	Security and locks	
		15	Sunroof	
		16	Exterior trim	
		18	Lighting systems	
		19	Wiper/Washer system	
		20	Entertainment	
		21	Power systems	
		22	Instrumentation/Driver info.	
		40	Control system	
AI			Alphabetical Index	Gives page number of circuit diagram for each component

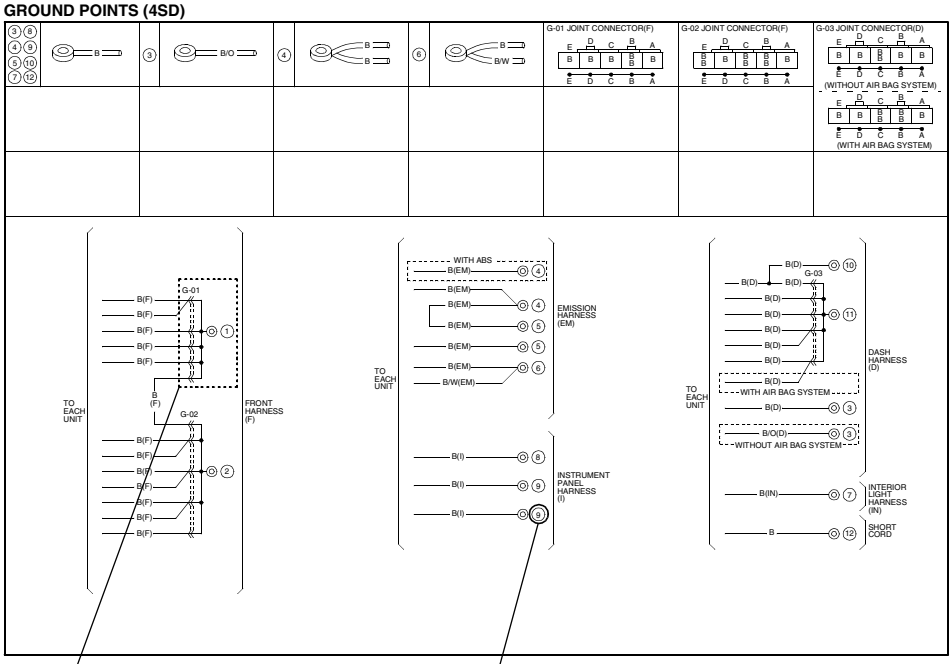
Depending on the vehicle model, the actual sections may be different.

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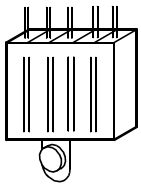
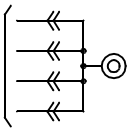
GROUND POINTS

- This shows ground points of the harness.

GROUND POINTS (4SD)



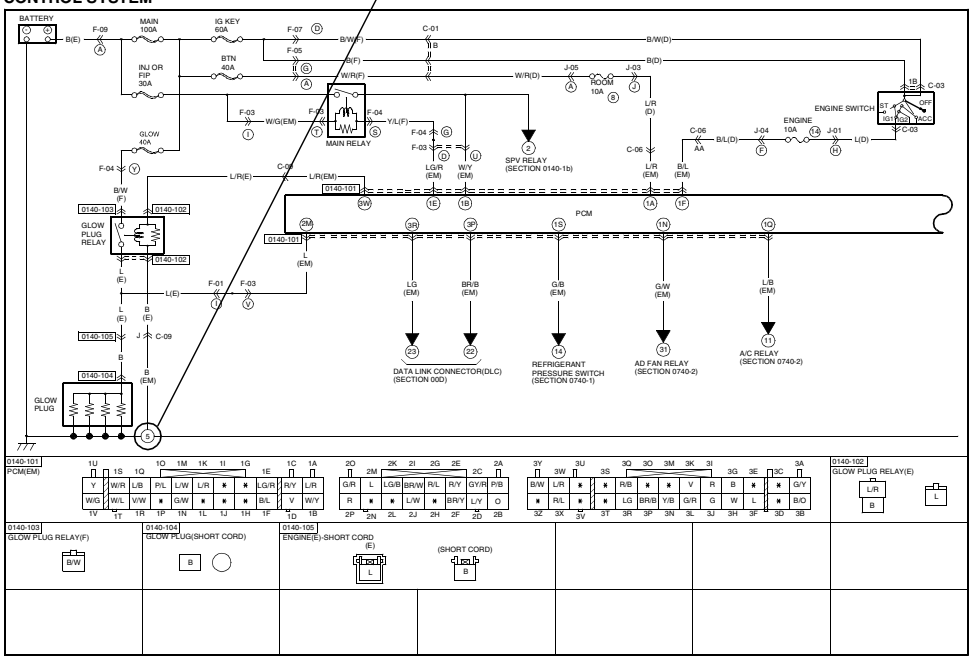
Ground indication

On vehide	Indication
	To circuit 

On circuit diagrams and ground points

The ground connection numbers in system circuit diagrams correspond to those in the ground point diagram.

CONTROL SYSTEM



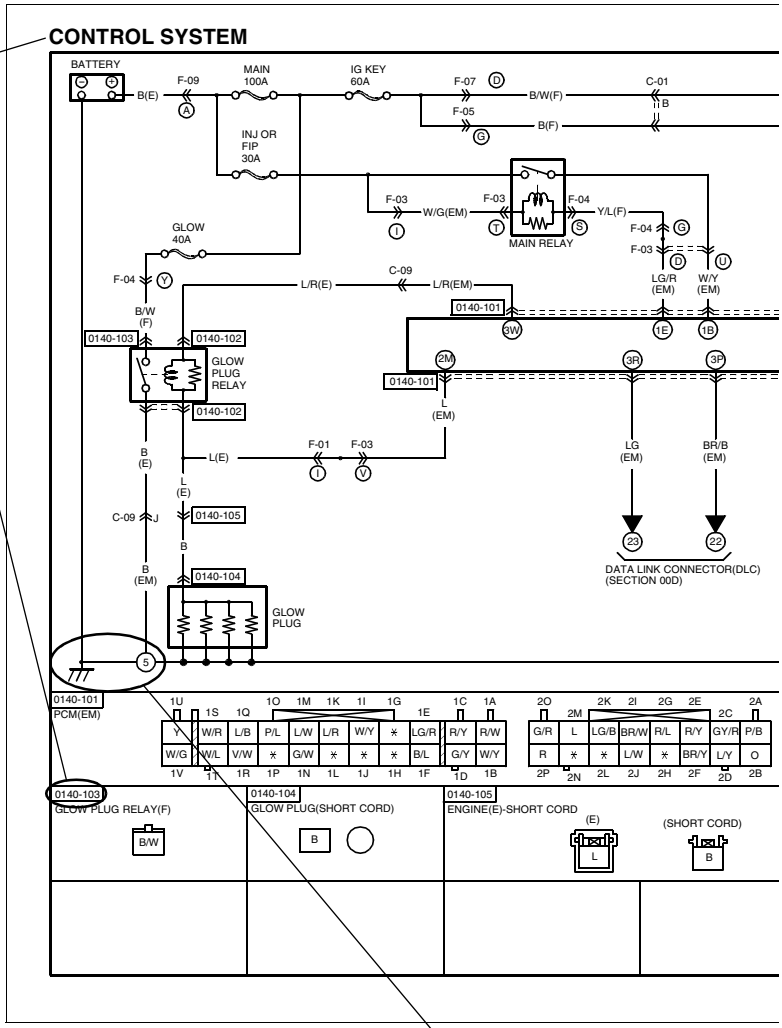
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SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM

- These diagrams show the circuits for each system, from the power supply to the ground. The power supply side is on the upper part of the page, the ground side on the lower part. The diagrams describe circuits with the ignition switch off.

  Below is an explanation of the various points in the diagram.

System name



Connector code

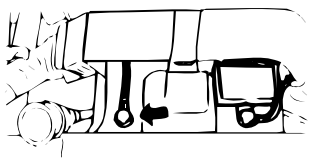
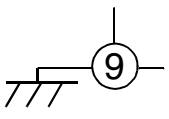
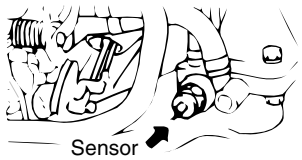
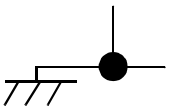
The prefix letter indicates the system in which the connector is used.

- **F**: Fuse box connectors
- **J**: Joint box/Junction box connectors
- **C**: Common connectors
- **G**: Ground point connectors
- **D**: Data link connector

0112: Cooling system connectors
0114: Fuel system connectors
0117: Charging system connectors
0118: Ignition system connectors
0119: Starting system connectors
0120: Cruise control system connectors
0140: Engine control system connectors
0212: Wheel and tires connectors
0318: 4-Wheel drive connectors
0413: Antilock brake system connectors
0414: Traction control system connectors
0415: Dynamic stability control connectors
0513: Automatic transmission connectors
0514: Automatic transmission shift mechanism connectors
0517: Automatic transaxle connectors
0518: Automatic transaxle shift mechanism connectors
0613: Electric power steering (EPS) connectors
0614: Power steering connectors
0740: Heater, ventilation & air conditioning (HVAC) control system connectors
0810: Air bag system connectors
0811: Seat belt connectors
0912: Glass/Windows/Mirrors connectors
0913: Seats connectors
0914: Security and locks connectors
0915: Sunroof connectors
0916: Exterior trim
0918: Lighting systems connectors
0919: Wiper/Washer system connectors
0920: Entertainment connectors
0921: Power systems
0922: Instrumentation/Driver info. Connectors
0940: Control system

Ground numbers

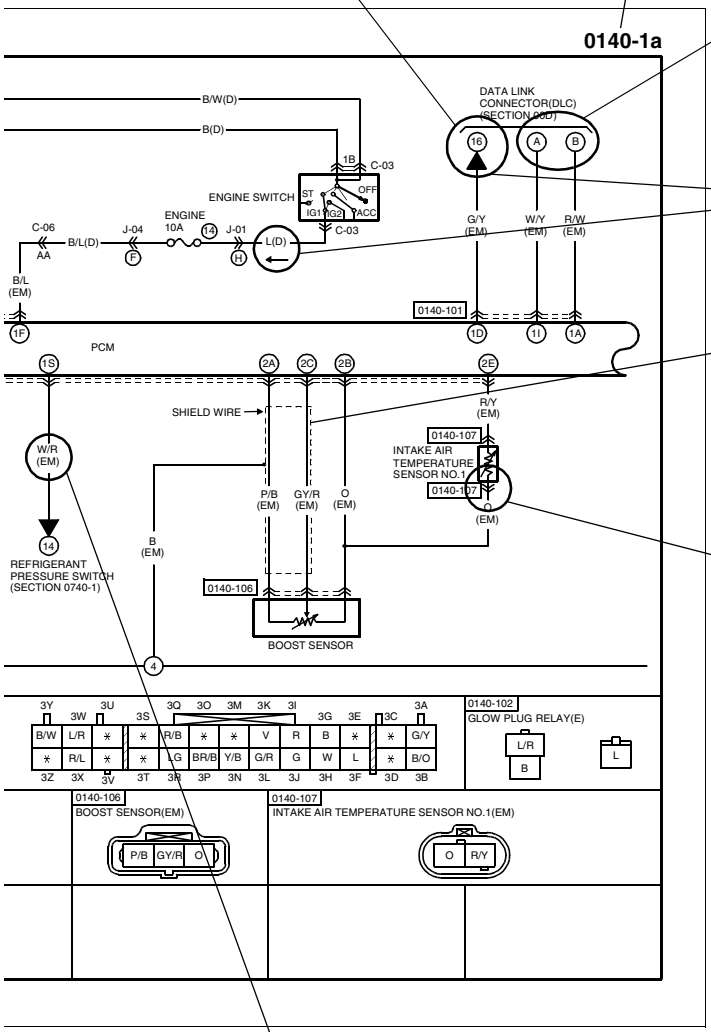
A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
Harness 	
Unit 	

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The number indicates that the circuit continues to the related system diagram.

System code



Multiplex communication

Indicates communication with connected parts. Signals are transmitted back and forth between connected parts.

Current symbol

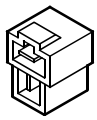
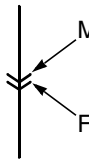
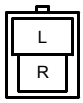
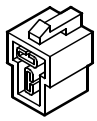
Current flows in the direction of the arrow.

Indicates shielded wire.*

* Shielded wire :
Prevents signal disturbances from electrical interference.
Wire is covered by a metal meshing for grounding.

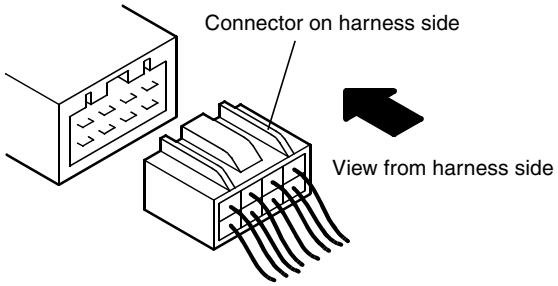
Connector symbols

- Male and female connectors are represented as follows in the circuit and connector diagrams.

		Circuit diagram symbol	Connector diagram symbol
Male			
Female			

- Like connectors are linked by dashed lines between the connector symbols.
- Connector diagrams show connectors on the harness side. The terminal indicates the view from the harness side.

(Example)

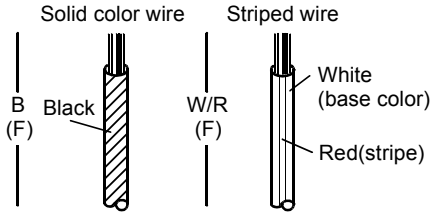


- Colors for connectors except white are given in locations.
- Unused terminals are indicated by ∗.

Wire color code (harness symbol)

- Two-color wires are indicated by a two-letter symbol.The first indicates the base color of the wire, the second the color of the stripe.
  For example:
  W/R is a white wire with a red strip
  BR/Y is a brown wire with a yellow strip

Symbol
(Example)



- The harness symbol is in ( ) following the harness symbols (refer to P-9.).

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ROUTING DIAGRAM

- The routing diagram shows where electrical components are on the system circuit diagram by call out line and connector symbols.

Connector symbol

Shows the system that uses the connector.

(Example)

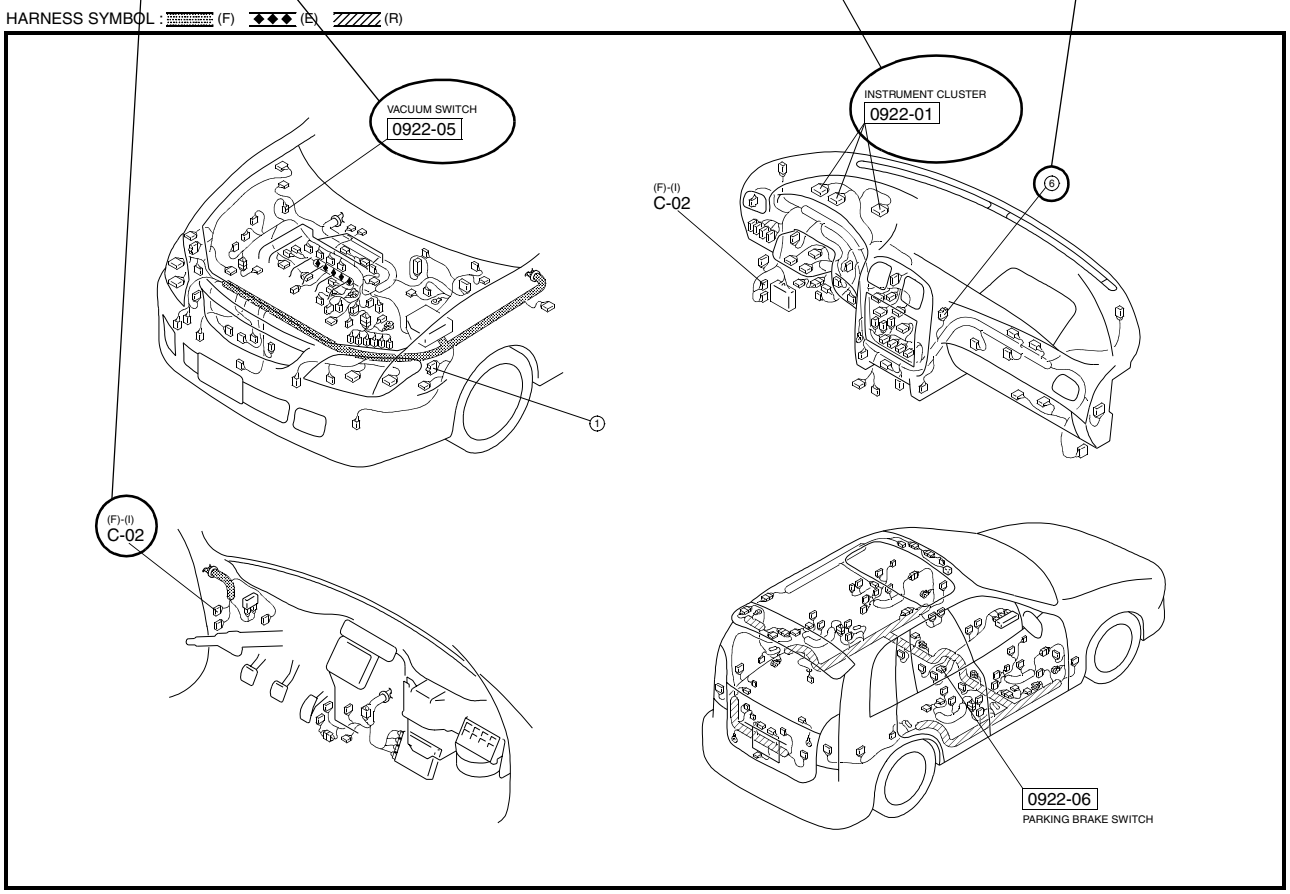
Connector	Symbol
Common connectors	C-02
System connectors	0922-05

Component name

Shows the names of components in routing diagrams.

Ground symbol

Shows the ground in system diagrams.



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HARNESS SYMBOLS

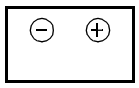
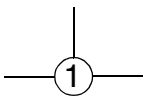
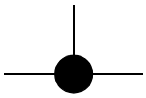
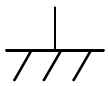
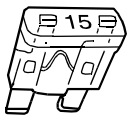
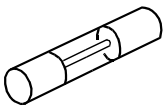
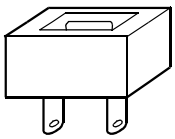
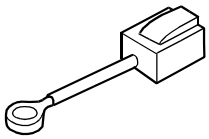
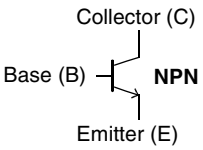
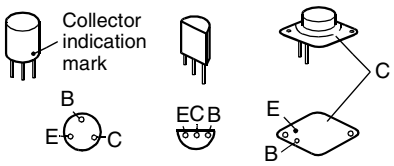
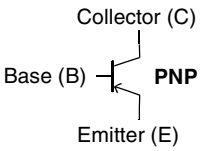
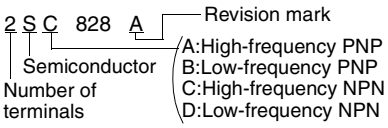
DESCRIPTION OF HARNESS	SYMBOL		DESCRIPTION OF HARNESS	SYMBOL	
FRONT HARNESS	(F)		DOOR No. 1 HARNESS	(DR1)	—
FRONT No. 2 HARNESS	(F2)		DOOR No. 2 HARNESS	(DR2)	
ENGINE HARNESS	(E)		DOOR No. 3 HARNESS	(DR3)	
DASH HARNESS	(D)		DOOR No. 4 HARNESS	(DR4)	
REAR HARNESS	(R)		FLOOR HARNESS	(FR)	—
REAR No. 2 HARNESS	(R2)		INTERIOR LIGHT HARNESS	(IN)	—
REAR No. 3 HARNESS	(R3)		A/C HARNESS	(AC)	—
INSTRUMENT PANEL HARNESS	(I)	—	INJECTION HARNESS	(INJ)	—
EMISSION HARNESS	(EM)		HAND BRAKE HARNESS	(HB)	—
EMISSION No. 2 HARNESS	(EM2)	—			
EMISSION No. 3 HARNESS	(EM3)				

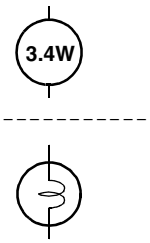
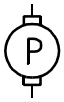
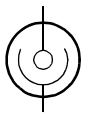
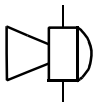
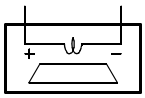
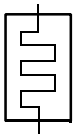
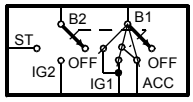
WIRING COLOR CODE

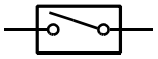
COLOR	CODE	COLOR	CODE
BLACK	B	ORANGE	O
BLUE	L	PINK	P
BROWN	BR	RED	R
DARK BLUE	DL	SKY BLUE	SB
DARK GREEN	DG	TAN	T
GRAY	GY	VIOLET	V
GREEN	G	WHITE	W
LIGHT BLUE	LB	YELLOW	Y
LIGHT GREEN	LG		

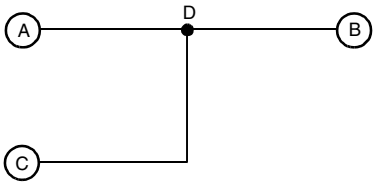
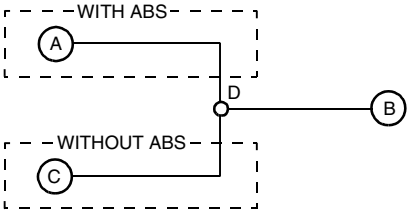
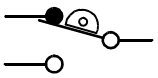
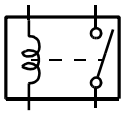
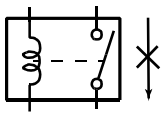
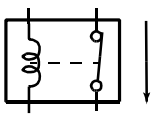
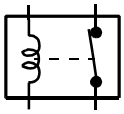
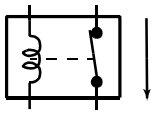
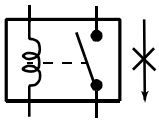
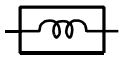
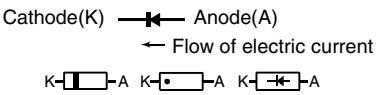
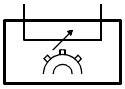
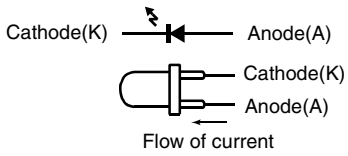
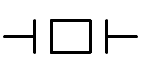
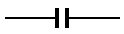
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SYMBOLS

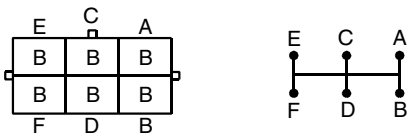
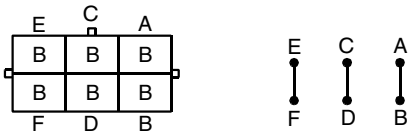
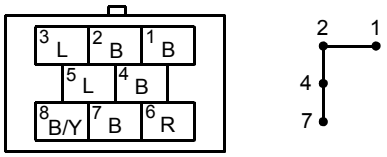
Symbol	Meaning
Battery 	• Generates electricity through chemical reaction. • Supplies direct current to circuits.
Ground (1) 	• Connecting point to vehicle body or other ground wire where current flows from positive to negative terminal of battery. • Ground (1) indicates a ground point to body through wire harness. • Ground (2) indicates point where component is grounded directly to body. Remarks • Current will not flow through a circuit if ground is faulty.
Ground (2) 	
Ground (3) 	
Fuse 	• Melts when current flow exceeds that specified for circuit, interrupts current flow. Precautions • Do not replace with fuses exceeding specified capacity. <Blade type>  <Tube type>  <Cartridge type>  <Fusible link> 
Fuse (For high current fuse)/ Fusible link 	
Transistor (1) 	• Electrical switching component. • Turns on when voltage is applied to the base (B). 
Transistor (2) 	• Reading code. 

Symbol	Meaning
Light 	• Emits light and generates heat when current flows through filament.
Resistance	• A resistor with a constant value. • Mainly used to protect electrical components in circuits by maintaining rated voltage.
Motor 	• Converts electrical energy into mechanical energy.
Pump 	• Pulls in and discharges gases and liquids.
Cigarette lighter 	• Electrical coil that generates heat.
Accessory socket 	• Interior power supply.
Horn 	• Generates sound when current flows.
Speaker 	
Heater 	• Generates heat when current flows.
Ignition switch 	• Turning ignition key switches circuit to operate various component. (NOTE) Ignition switch is called engine switch on diesel vehicles.

<table>
<tr><th>Symbol</th><th>Meaning</th><th>Symbol</th><th>Meaning</th></tr>
<tr><td>Switch (1)
 
Normally open</td><td rowspan="2">• Allows or breaks current flow by opening and closing curcuits.</td><td rowspan="2">Harness
Connection
 
When circuit C-D is connected to circuit A-B, the connection D is indicated by a black dot.

Selection
 
Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.</td><td rowspan="2"> 
For vehicles with ABS, use the A-B circuit.
 
For vehicles without ABS, use the C-B circuit.</td></tr>
<tr><td>Switch (2)
 
Normally closed</td></tr>
<tr><td>Autostop switch
  </td><td>• Automatically shuts off circuit when certain conditions are met.</td></tr>
<tr><td>Relay (1)
 
Normally open</td><td colspan="3">• Current flowing through coil produces electromagnetic force causing contact to open or close.
No current to coil
 
No flow
Current to coil
 
Flow</td></tr>
<tr><td>Relay (2)
 
Normally closed</td><td colspan="3">• Current flowing through coil produces electromagnetic force causing contact to close.
No current to coil
 
Flow
Current to coil
 
No flow</td></tr>
<tr><td>Sensor (1)
  </td><td>• Detects characteristics such as intake manifold vacuum and airflow amount according to resistance variation.</td><td>Solenoid
  </td><td>• Current flowing through coil generates electromagnetic force to operate plungers.</td></tr>
<tr><td>Sensor (2)
  </td><td>• Detects resistance variation according to operation of other parts.</td><td rowspan="2">Diode
  </td><td rowspan="2">• Known as a semiconductor rectifier, the diode allows current flow in one direction only.
  </td></tr>
<tr><td>Sensor (3)
  </td><td>• A resistor whose resistance variation according to temperature variation.
• When temperature increases, resistance decreases.</td></tr>
<tr><td>Sensor (4)
  </td><td>• Detects pulse signals from rotating object.</td><td rowspan="2">Light-emitting diode (LED)
  </td><td rowspan="2">• A diode that lights when current flows.
• Unlike ordinary bulbs, the diode does not generate heat when lit.
  </td></tr>
<tr><td>Sensor (5)
  </td><td>• Generates potential difference when tension or pressure is applied.</td></tr>
<tr><td>Capacitor
  </td><td>• Component that temporarily stores electrical charge.</td><td>Reference diode (Zener diode)
  </td><td>• Allows current to flow in one direction up to a certain voltage; allows current to flow in the other direction once that voltage is exceeded.</td></tr>
</table>

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Symbol	Meaning
Extent of the change in the wiring position (1) 	• The wiring position can be exchanged freely within the connector.
Extent of the change in the wiring position (2) 	• The wiring position can be exchanged according to the following combinations only. Between A and B, Between C and D, Between E and F
Extent of the change in the wiring position (3) 	• The wiring position can be exchanged according to the following combinations only. Between 1, 2, 4 and 7. • The wiring positions may be indicated by numbers for some connectors.

SERVICE WARNING AND CAUTION FOR VEHICLES WITH SRS AIR BAG SYSTEM

If the SRS air bag system inspection is not performed correctly in accordance with the workshop manual procedures it could cause the system to operate (deploy) accidentally, resulting in injury.
Always follow the service warnings and cautions in the workshop manual when performing the SRS air bag system-related inspection or servicing.

SERVICE WARNING FOR VEHICLES WITH DISCHARGE HEADLIGHTS

If the discharge headlight inspection and servicing is not done using the correct procedures in the workshop manual, it could result in electrical shock.
Always follow the service warnings and cautions in the workshop manual when performing the discharge headlight-related inspection or servicing.

ABBREVIATIONS USED IN THIS MANUAL

3GR	THIRD GEAR
4GR	FOURTH GEAR
A	AMPERE
A/C	AIR CONDITIONING
A/F	AIR FUEL
AAS	AUTO ADJUSTING SUSPENSION
ABS	ANTILOCK BRAKE SYSTEM
ACC	ACCESSORIES
ACV	AIR CONTROL VALVE
ADD	ADDITIONAL
AIS	AIR INJECTION SYSTEM
ALL	AUTOMATIC LOAD LEVELING
AM	AMPLITUDE MODULATION
AMP	AMPLIFIER
ANT	ANTENNA
ASV	AIR SUPPLY VALVE
AT	AUTOMATIC TRANSMISSION
ATX	AUTOMATIC TRANSAXLE
B+	BATTERY POSITIVE VOLTAGE
BAC	BYPASS AIR CONTROL
CAN	CONTROLLER AREA NETWORK
CIGAR	CIGARETTE

CIS	CONTINUOUS FUEL INJECTION SYSTEM
CKP	CRANKSHAFT POSITION SENSOR
CM	CONTROL MODULE
CMP	CAMSHAFT POSITION SENSOR
COMBI	COMBINATION
CON	CONDITIONER
CONT	CONTROL
CPU	CENTRAL PROCESSING UNIT
DEF	DEFROSTER
DI	DISTRIBUTOR IGNITION
DLC	DATA LINK CONNECTOR
DLI	DISTRIBUTORLESS IGNITION
DOHC	DOUBLE-OVERHEAD CAMSHAFT
DRL	DAYTIME RUNNING LIGHT
DTC	DIAGNOSTIC TROUBLE CODE(S)
DTM	DIAGNOSTIC TEST MODE
ECPS	ELECTRONICALLY CONTROLLED POWER STEERING
ECT	ENGINE CONTROL TEMPERATURE
EGR	EXHAUST GAS RECIRCULATION
EHPAS	ELECTRO HYDRAULIC POWER ASSIST STEERING
EI	ELECTRONIC IGNITION

ELEC	ELECTRIC
ELR	EMERGENCY LOCKING RETRACTOR
ET	ELECTRONIC THROTTLE
EPS	ELECTRIC POWER STEERING
EVAP	EVAPORATIVE EMISSION
F	FRONT
F/I	FUEL INJECTOR
FICB	FAST-IDLE CAM BREAKER
FM	FREQUENCY MODULATION
FP	FUEL PUMP
FPR	FUEL PUMP RELAY
GEN	GENERATOR
GND	GROUND
H/D	HEATER/DEFROSTER
HEAT	HEATER
HI	HIGH
HO2S	HEATED OXYGEN SENSOR
HS	HIGH SPEED
HU	HYDRAULIC UNIT
IAC	IDLE AIR CONTROL
IAT	INTAKE AIR TEMPERATURE
IG	IGNITION
ILLUMI	ILLUMINATION
INT	INTERMITTENT
JB	JOINT BOX
KS	KNOCK SENSOR
LCD	LIQUID CRYSTAL DISPLAY
LF	LEFT FRONT
LH	LEFT HAND
LO	LOW
LR	LEFT REAR
M	MOTOR
MAF	MASS AIR FLOW
MAP	MANIFOLD ABSOLUTE PRESSURE
MFI	MULTIPORT FUEL INJECTION
MID	MIDDLE
MIL	MALFUNCTION INDICATOR LAMP
MIN	MINUTE
MIX	MIXTURE
MPX	MULTIPLEX
MS	MIDDLE SPEED
MT	MANUAL TRANSMISSION
MTX	MANUAL TRANSAXLE
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O_2S	OXYGEN SENSOR
OBD	ON-BOARD DIAGNOSTIC
O/D	OVER DRIVE
OFF	SWITCH OFF
ON	SWITCH ON
OSC	OSCILLATOR
P	POWER

P/S	POWER STEERING
PCM	POWERTRAIN CONTROL MODULE
PJB	PASSENGER JUNCTION BOX
PNP	PARK/NEUTRAL POSITION
PRC	PRESSURE REGULATOR CONTROL
PRG	PURGE SOLENOID VALVE
PSP	POWER STEERING PRESSURE
PTC	POSITIVE TEMPERATURE COEFFICIENT HEATER
PWM	PULSE WIDTH MODULATION
QSS	QUICK-START SYSTEM
R	REAR
REC	RECIRCULATION
RF	RIGHT FRONT
RH	RIGHT HAND
RPM	REVOLUTIONS PER MINUTE
RR	RIGHT REAR
SAS	SOPHISTICATED AIR BAG SENSOR
SFI	SEQUENTIAL MULTIPOINT FUEL INJECTION
SOL	SOLENOID
SPV	SPILL VALVE
ST	START
SW	SWITCH
TC	TURBOCHARGER
TCC	TORQUE CONVERTER CLUTCH
TCM	TRANSMISSION(TRANSAXLE) CONTROL MODULE
TCS	TRACTION CONTROL SYSTEM
TEMP	TEMPERATURE
TFT	TRANSAXLE FLUID TEMPERATURE
TICS	TRIPLE INDUCTION CONTROL SYSTEM
TNS	TAIL NUMBER SIDE LIGHTS
TP	THROTTLE POSITION SENSOR
TR	TRANSMISSION(TRANSAXLE) RANGE
TWS	TOTAL WIRING SYSTEM
V	VOLT
VAF	VOLUME AIR FLOW SENSOR
VENT	VENTILATION
VICS	VARIABLE INERTIA CHARGING SYSTEM
VOL	VOLUME
VR	VOLTAGE REGULATOR
VRIS	VARIABLE RESONANCE INDUCTION SYSTEM
VSS	VEHICLE SPEED SENSOR
VTCS	VARIABLE TUMBLE CONTROL SYSTEM
W	WATT(S)
WOT	WIDE OPEN THROTTLE

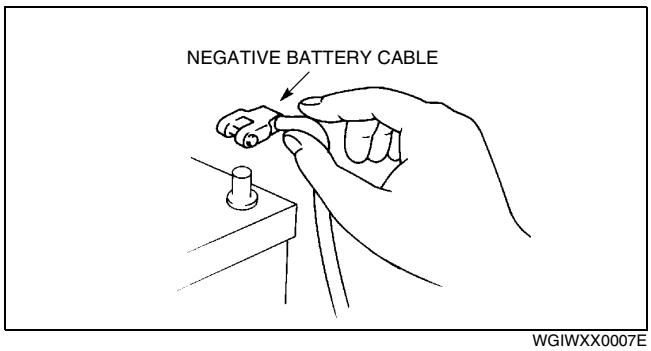
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ELECTRICAL PARTS

B6U000000006W03

Battery Cable

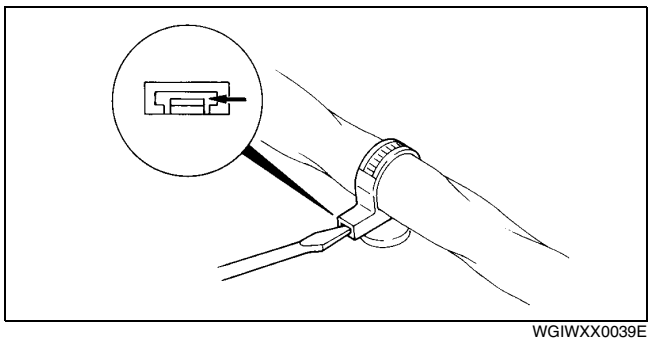
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

Wiring Harness

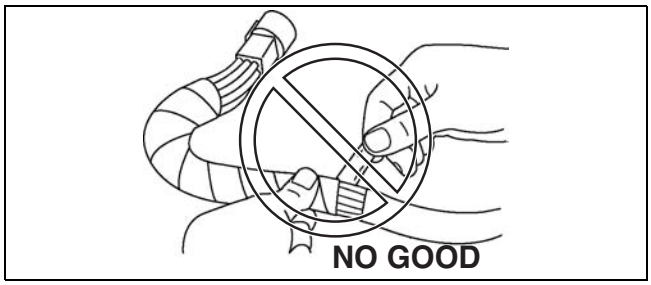
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



WGIWXX0039E

Caution

- **Do not remove the Harness protective tape. Otherwise, the wires could rub against the body, which could result in water penetration and electrical shorting.**



WGIWXX0040E

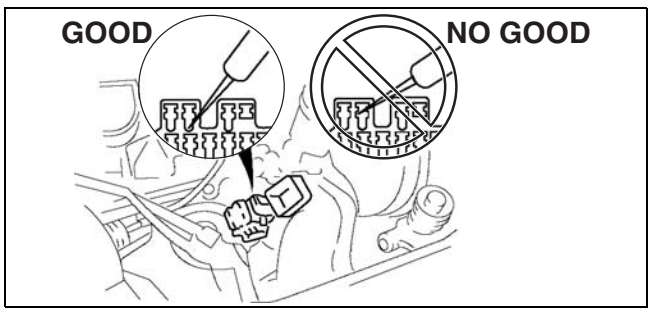
CONNECTORS

Data Link Connector

- Insert the probe into the terminal when connecting a jumper wire to the data link connector.

Caution

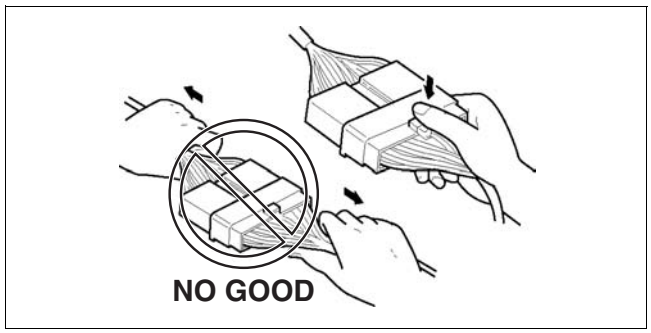
- **Inserting a jumper wire probe into the data link connector terminal may damage the terminal.**



X3U000WAY

Disconnecting Connectors

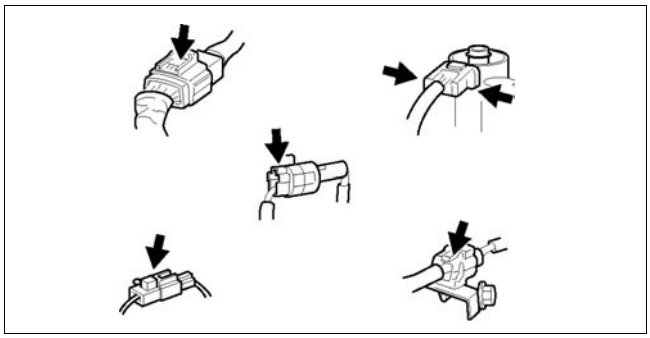
- When disconnecting connector, grasp the connectors, not the wires.



WGIWXX0041E

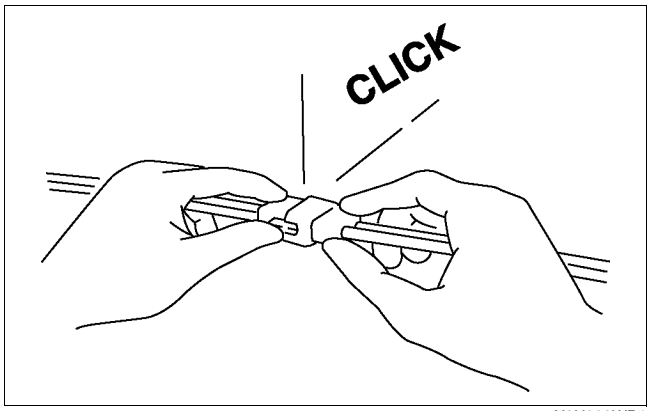
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- Connectors can be disconnected by pressing or pulling the lock lever as shown.


WGIWXX0042E

Locking Connector

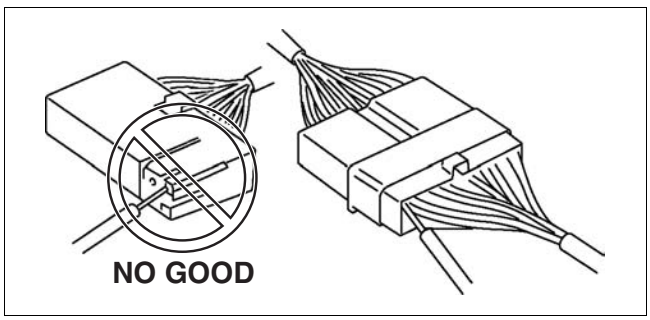
- When locking connectors, listen for a click indicating they are securely locked.



X3U000WB1

Inspection

- When a tester is used to inspect for continuity or measuring voltage, insert the tester probe from the wiring harness side.

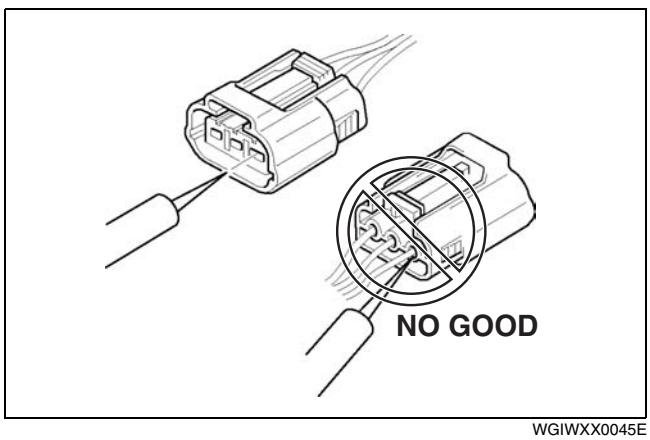


WGIWXX0044E

- Inspect the terminals of waterproof connectors from the connector side since they cannot be accessed from the wiring harness side.

Caution

- **To prevent damage to the terminal, wrap a thin wire around the tester probe before inserting into terminal.**



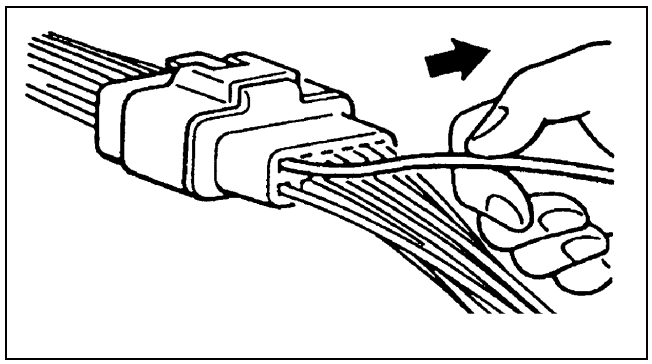
WGIWXX0045E

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Terminals

Inspection

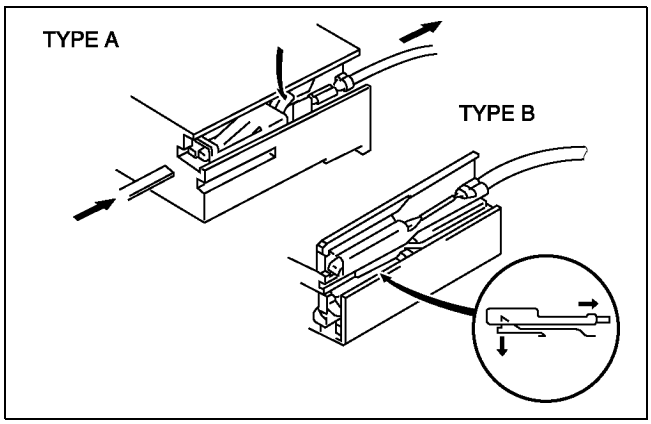
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

Replacement

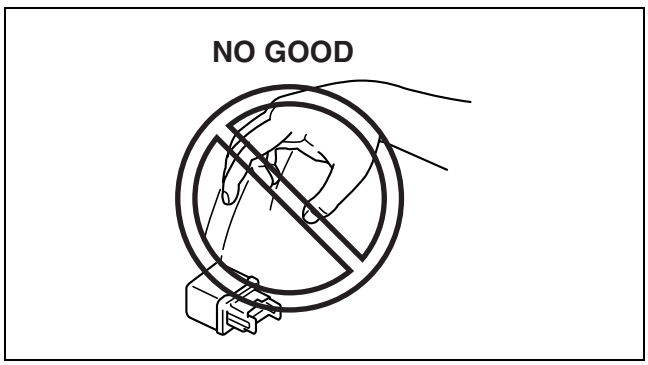
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

Sensors, Switches, And Relays

- Handle sensors, switches, and relays carefully. Do not drop them or strike them against other objects.

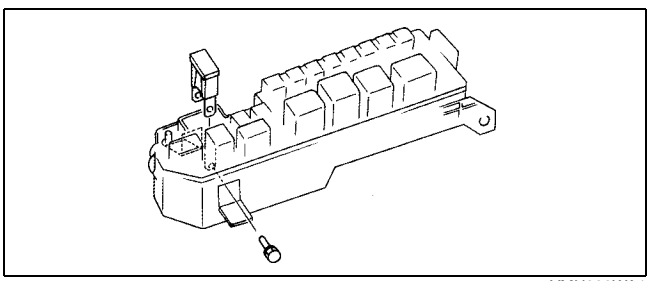


X3U000WB6

Fuse

Replacement

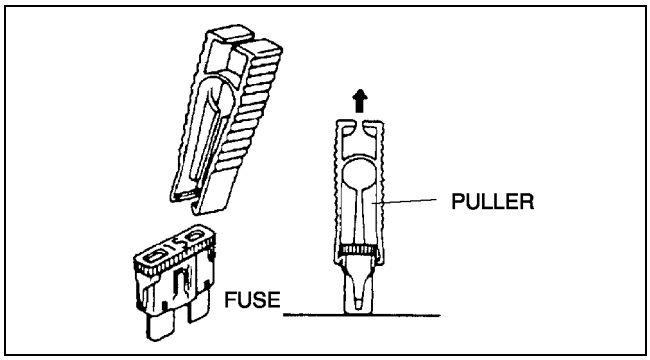
- When replacing a fuse, be sure to replace it with one of the same capacity. If a fuse fails again, the circuit probably has a short and the wiring should be inspected.
- Be sure the negative battery terminal is disconnected before replacing a main fuse.



YMU000WA1

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- When replacing a pullout fuse, use the fuse puller.



YMU000WAK

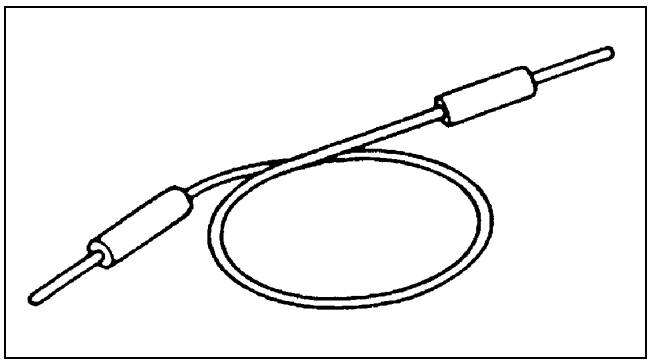
ELECTRICAL TROUBLESHOOTING TOOLS

Jumper Wire

- A jumper wire is used to create a temporary circuit. Connect the jumper wire between the terminals of a circuit to bypass a switch.

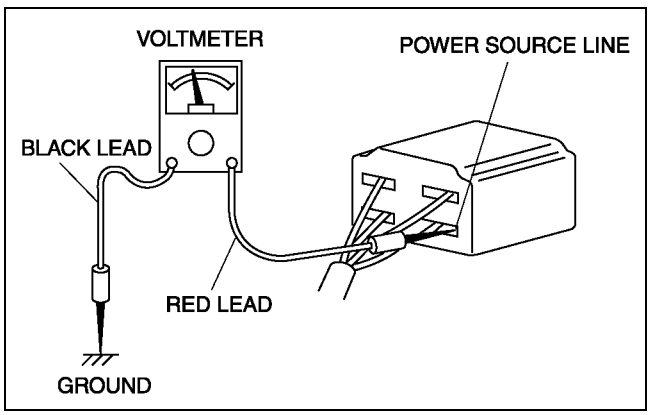
Caution

- **Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.**


X3U000WBB

Voltmeter

- The DC voltmeter is used to measure circuit voltage. A voltmeter with a range of **15 V or more** is used by connecting the positive (+) probe (red lead wire) to the point where voltage will be measured and the negative (-) probe (black lead wire) to a body ground.



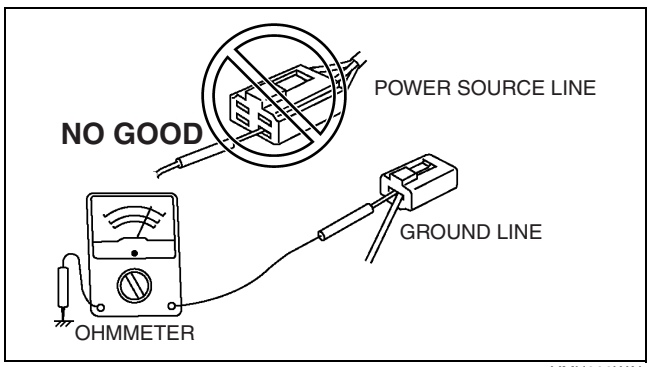
X3U000WBC

Ohmmeter

- The ohmmeter is used to measure the resistance between two points in a circuit and to inspect for continuity and short circuits.

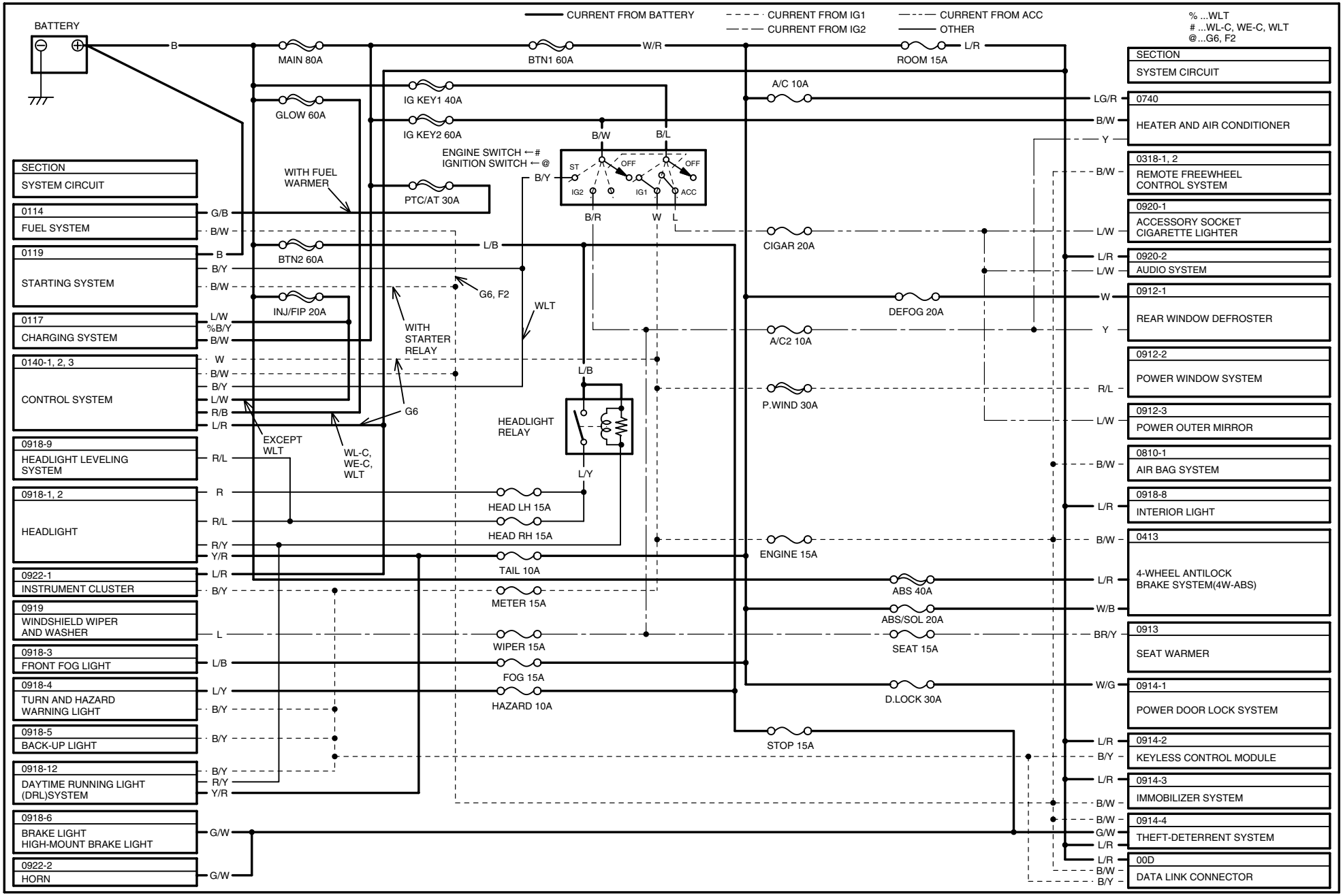
Caution

- **Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.**



YMU000WAL

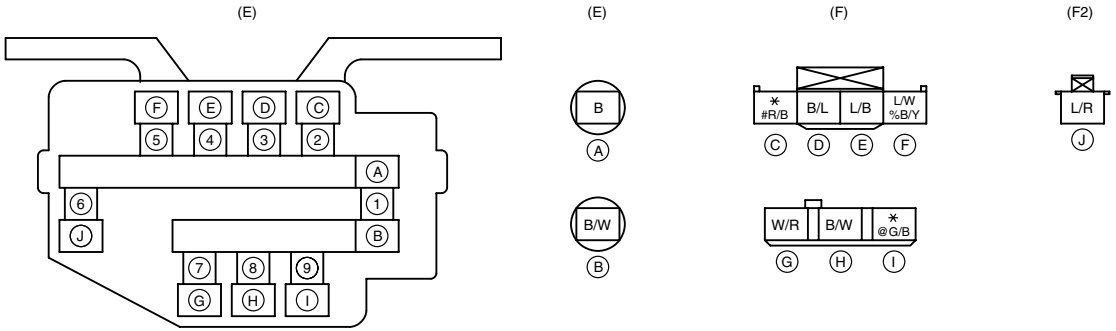
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F-01 MAIN FUSE BLOCK

✳...VACANT
...WL-C, WE-C, WLT
% ...WLT
@ ...WITH FUEL WARMER



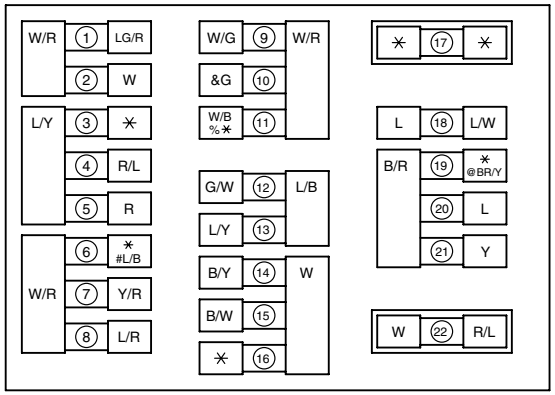
NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( )IF EQUIPPED

F-02 FUSE BLOCK(F)

✳...VACANT
...WL-C, WE-C, WLT
% ...F2
@ ...WITH SEAT WARMER
& ...NOT USED



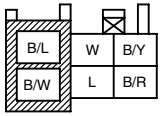
NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(R.FOG)	10A	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	✳	✳
6	(FOG)	15A	17	✳	✳
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	(SEAT)	15A
9	(D.LOCK)	30A	20	WIPER	15A
10	(P.WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P.WIND)	30A

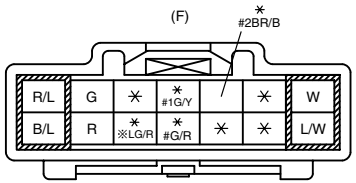
( )IF EQUIPPED

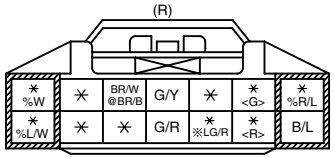
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C-01 ENGINE SWITCH(F)←WL-C, WE-C, WLT
IGNITION SWITCH(F)←G6, F2



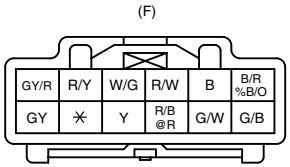
C-02 FRONT(F)-REAR(R)

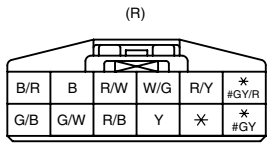




✳...VACANT
...G6, F2
< >...WITH REAR POWER DOOR LOCK SYSTEM
% ...WITH REAR POWER WINDOW SYSTEM
@ ...REGULAR CAB
#1...WITH REAR FOG LIGHT
#2...WITH SEAT WARMER
※...WITH THEFT-DETERRENT SYSTEM

C-03 FRONT(F)-REAR(R)

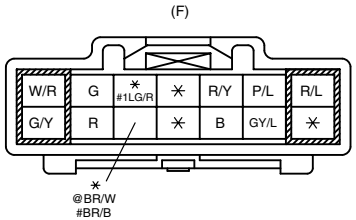


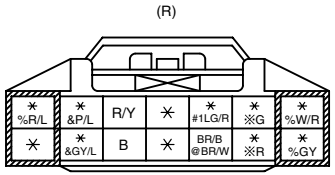


✳...VACANT
...WITH REAR SPEAKER
@ ...WITH DRL SYSTEM
% ...G6, F2

C-04 FRONT(F)-REAR(R)

WITH AIR BAG SYSTEM

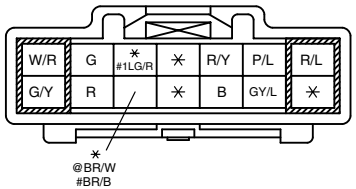


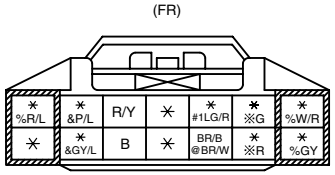


✳...VACANT
...WITH SEAT WARMER
@ ...WITH BUCKLE SWITCH
% ...WITH REAR POWER WINDOW SYSTEM
& ...WITH REAR SPEAKER
※...WITH REAR POWER DOOR LOCK SYSTEM
#1...WITH THEFT-DETERRENT SYSTEM

C-04 FRONT(F)-FLOOR(FR)

WITHOUT AIR BAG SYSTEM



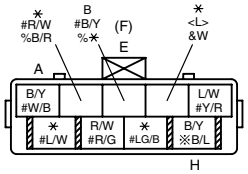


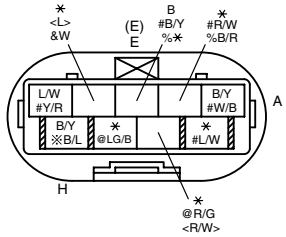
✳...VACANT
...WITH SEAT WARMER
@ ...WITH BUCKLE SWITCH
% ...WITH REAR POWER WINDOW SYSTEM
& ...WITH REAR SPEAKER
※...WITH REAR POWER DOOR LOCK SYSTEM
#1...WITH THEFT-DETERRENT SYSTEM

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COMMON CONNECTOR LIST

C-05 FRONT(F)-ENGINE(E)

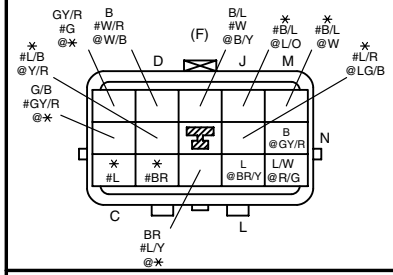


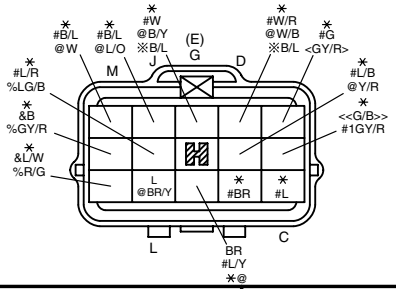


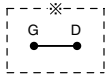
✳...VACANT
@ ...WITH RFW CONTROL SYSTEM
...WL-C, WE-C, G6
% ...WLT
< >...WLT, F2
& ...WL-C, WE-C
※...WITH STARTER RELAY

C-06 FRONT(F)-ENGINE(E)

EXCEPT F2







✳...VACANT
% ...WLT WITH RFW CONTROL SYSTEM
...WL-C, WE-C
@ ...WLT
& ...WL-C, WE-C, G6
※...WITH SPEED LIMITER
< >...G6 WITH RFW CONTROL SYSTEM
<< >>...G6
#1...WL-C, WE-C WITH RFW CONTROL SYSTEM

✳...VACANT



C-07 FRONT(F)-INTERIOR LIGHT(IN)



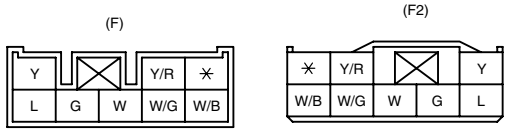
C-08 FRONT(F)-FRONT No.2(F2)

✳...VACANT
...NOT USED



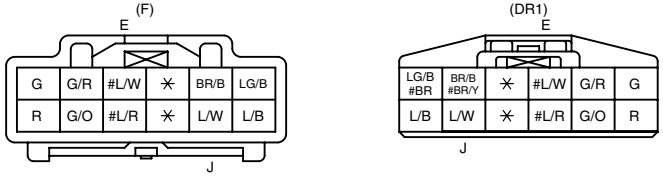
C-09 FRONT(F)-FRONT No.2(F2)

✳...VACANT



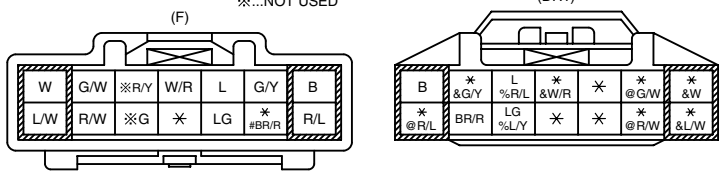
C-10 FRONT(F)-DOOR No.1(DR1)

✳...VACANT
...NOT USED



C-11 FRONT(F)-DOOR No.1(DR1)

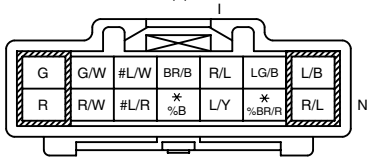
✳...VACANT
...WITH THEFT-DETERRENT SYSTEM
@ ...WITH POWER WINDOW SYSTEM
& ...WITH REAR POWER WINDOW SYSTEM
% ...WITHOUT POWER DOOR LOCK SYSTEM, WITHOUT POWER WINDOW SYSTEM, WITHOUT POWER OUTER MIRROR
※...NOT USED



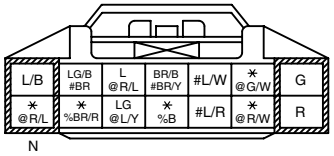
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C-12 FRONT(F)-DOOR No.2(DR2)

(F)



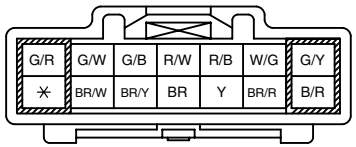
(DR2)



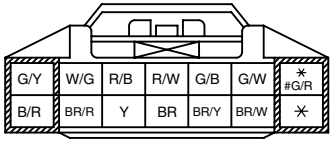
✳...VACANT
...NOT USED
@ ...WITH POWER WINDOW SYSTEM
% ...WITH THEFT-DETERRENT SYSTEM

C-13 REAR(R)-REAR No.2(R2)

(R)



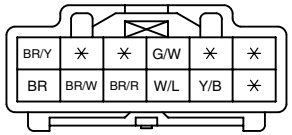
(R2)



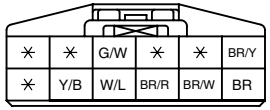
✳...VACANT
...G6, F2

C-14 REAR(R)-FRONT No.2(F2)

(R)



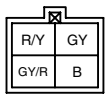
(F2)



✳...VACANT

C-15 REAR(R)-DOOR No.4(DR4)

(R)

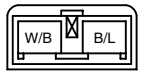


(DR4)

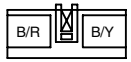


C-16 REAR(R)-DOOR No.4(DR4)

(R)

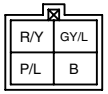


(DR4)

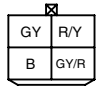


C-17 REAR(R)-DOOR No.3(DR3)

(R)



(DR3)



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COMMON CONNECTOR LIST

C-18 REAR(R)-DOOR No.3(DR3)



C-19 REAR(R)-DOOR No.4(DR4)

✳...VACANT
...WITH REAR POWER WINDOW SYSTEM
@ ...WITH REAR SPEAKER



C-20 REAR(R)-DOOR No.4(DR4)

✳...VACANT
...WITH POWER WINDOW SYSTEM

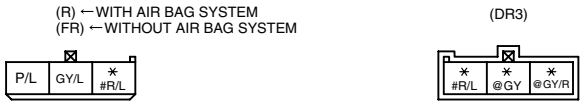


C-21 REAR(R)-DOOR No.4(DR4)



C-22 REAR(R)-DOOR No.3(DR3) ←WITH AIR BAG SYSTEM
FLOOR(FR)-DOOR No.3(DR3) ←WITHOUT AIR BAG SYSTEM

✳...VACANT
...WITH REAR POWER WINDOW SYSTEM
@ ...WITH REAR SPEAKER

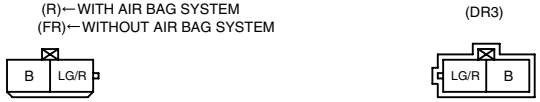


C-23 REAR(R)-DOOR No.3(DR3) ←WITH AIR BAG SYSTEM
FLOOR(FR)-DOOR No.3(DR3) ←WITHOUT AIR BAG SYSTEM

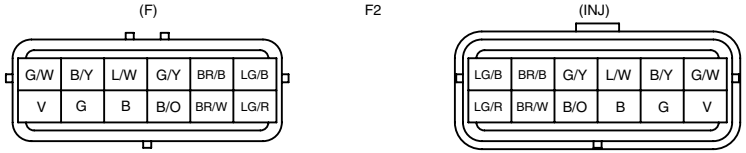
✳...VACANT
...WITH POWER WINDOW SYSTEM



C-24 REAR(R)-DOOR No.3(DR3)←WITH AIR BAG SYSTEM
FLOOR(FR)-DOOR No.3(DR3)←WITHOUT AIR BAG SYSTEM

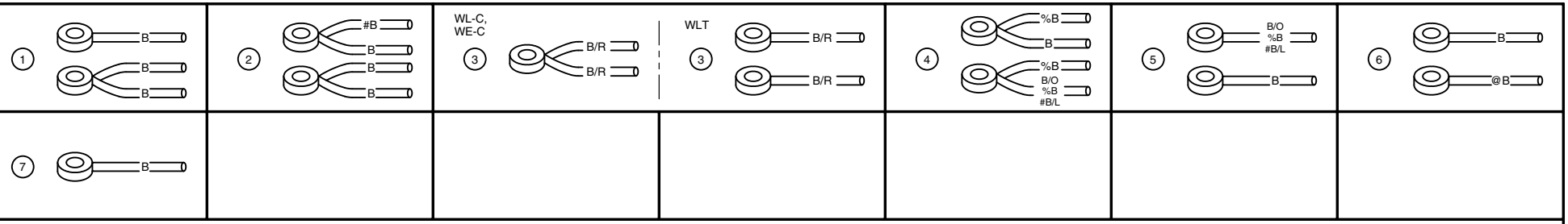


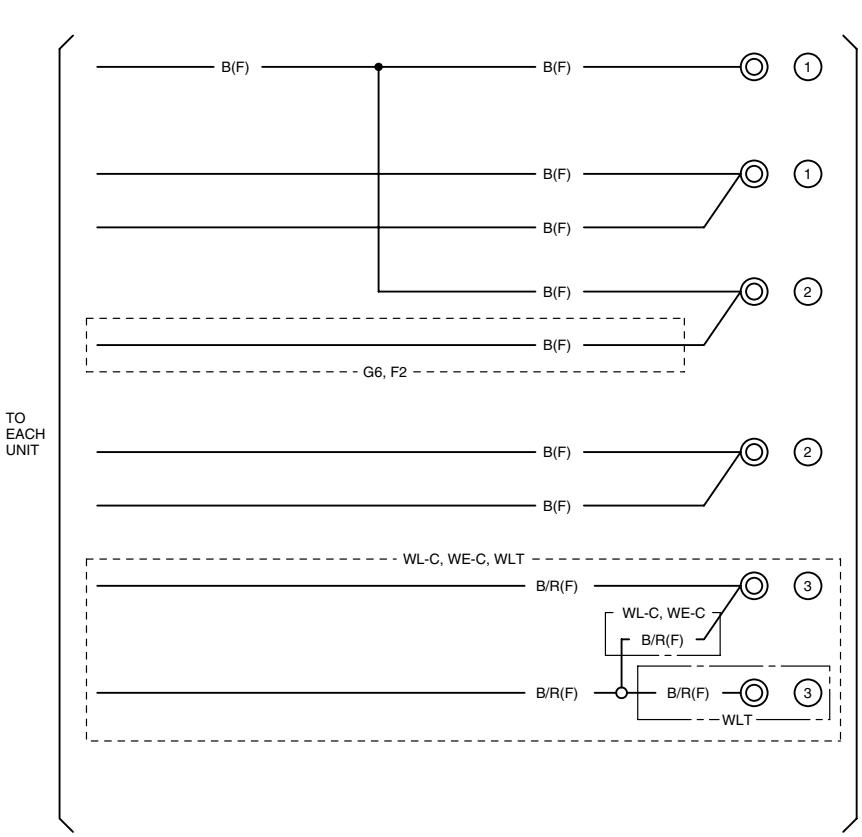
C-27 FRONT(F)-INJECTION(INJ)

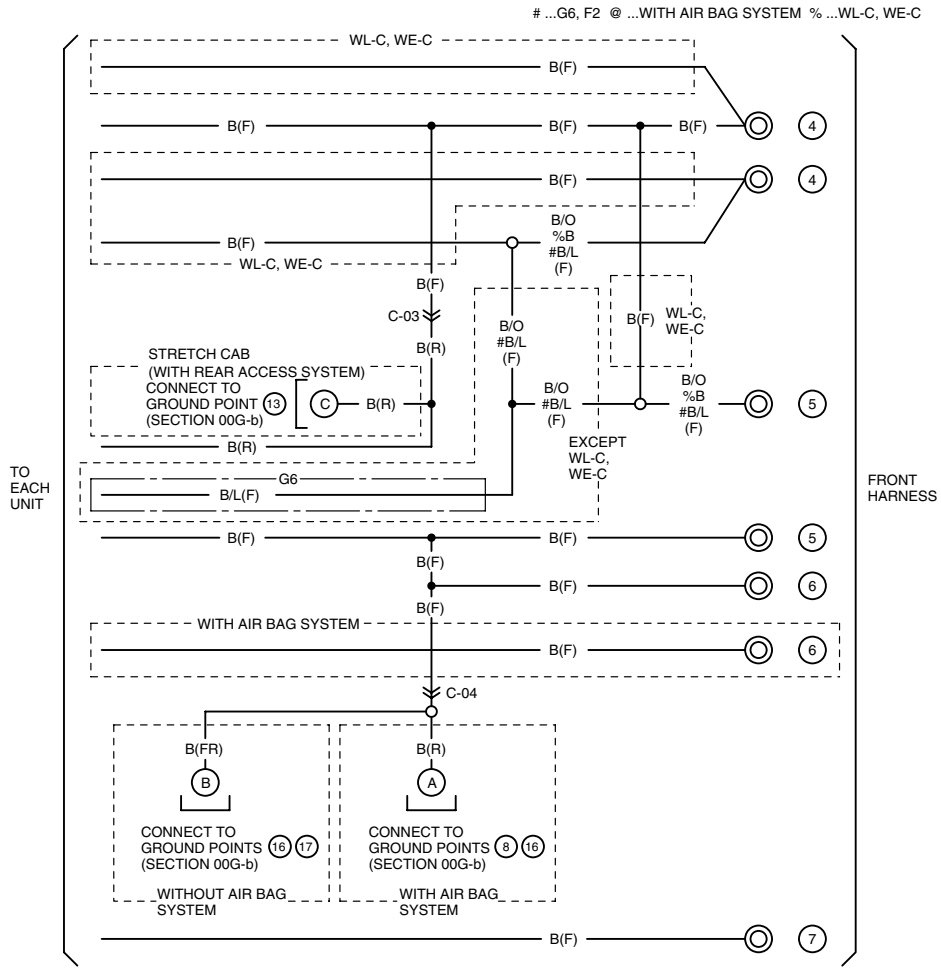




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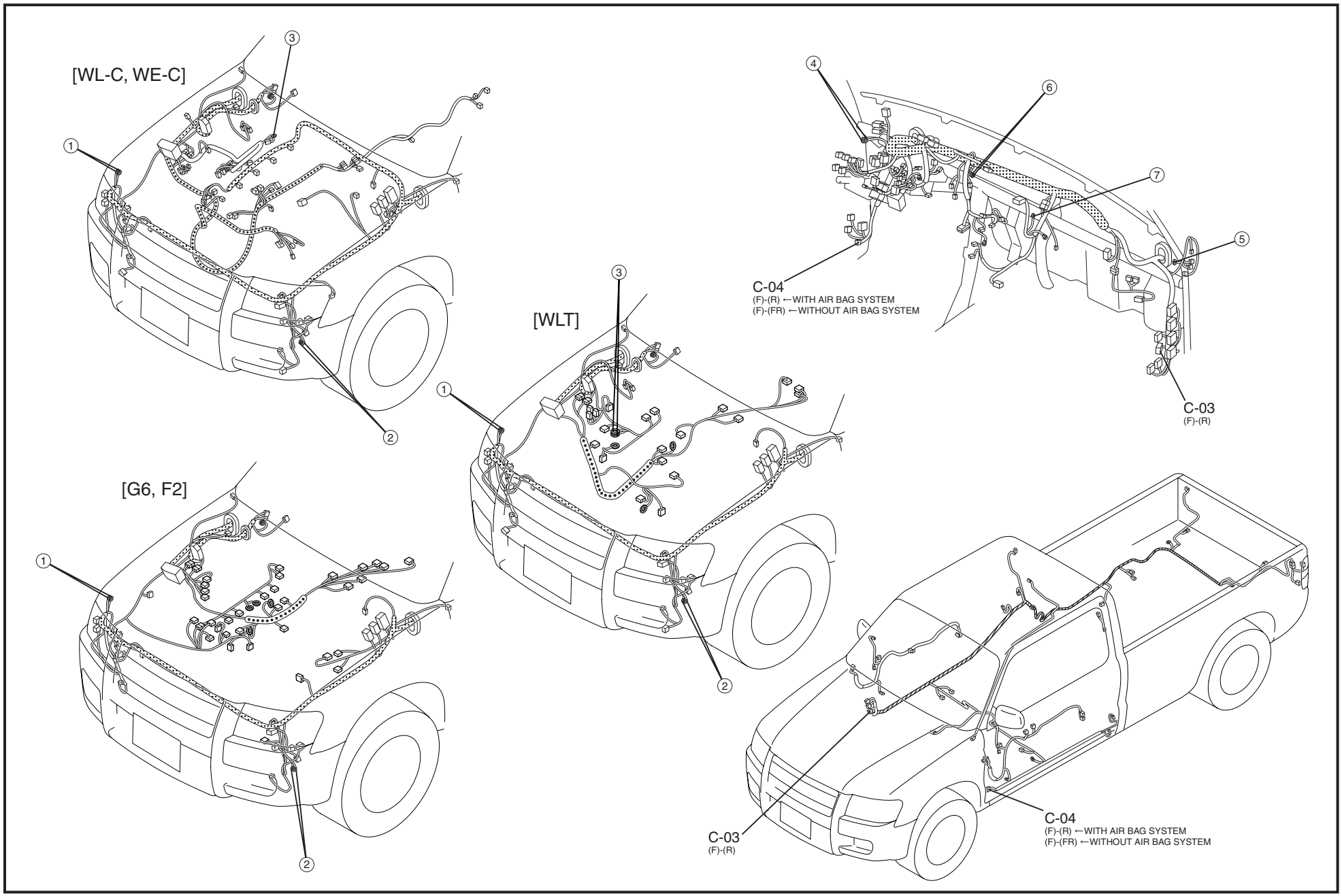




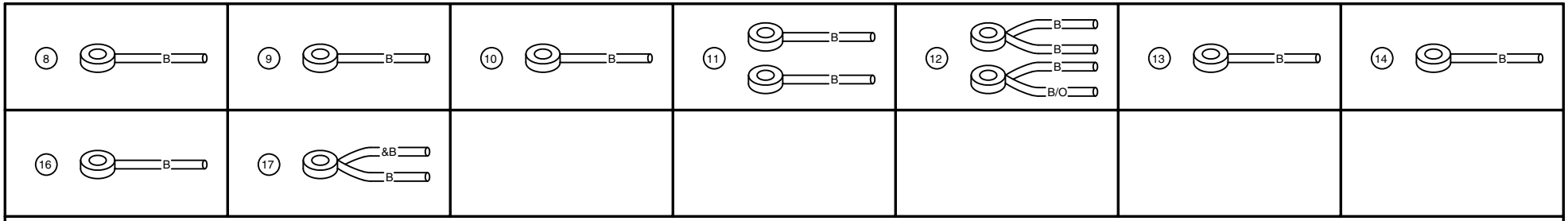


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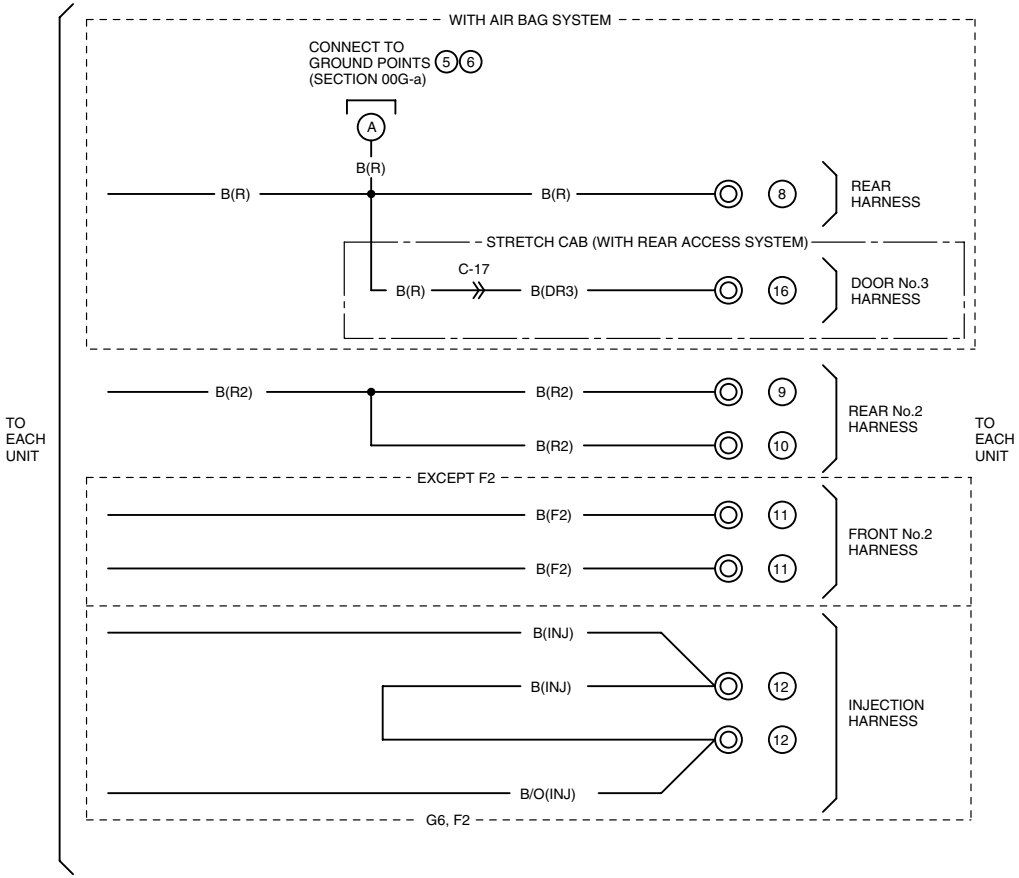
HARNESS SYMBOL: (F) (E) (R)

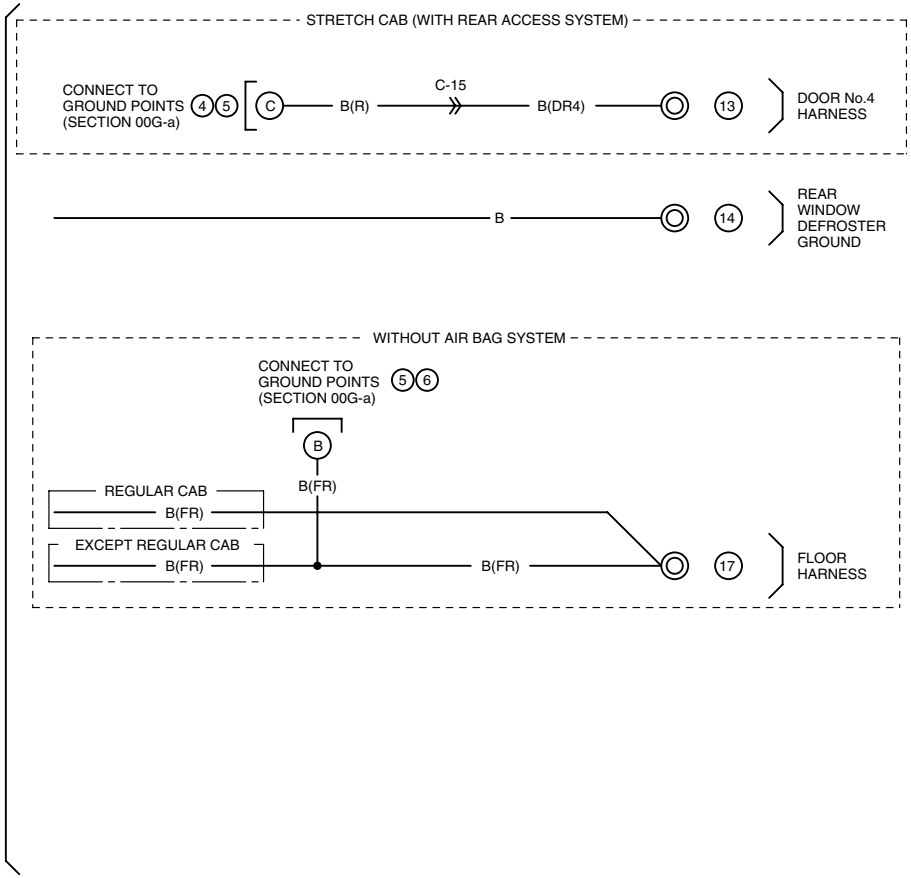


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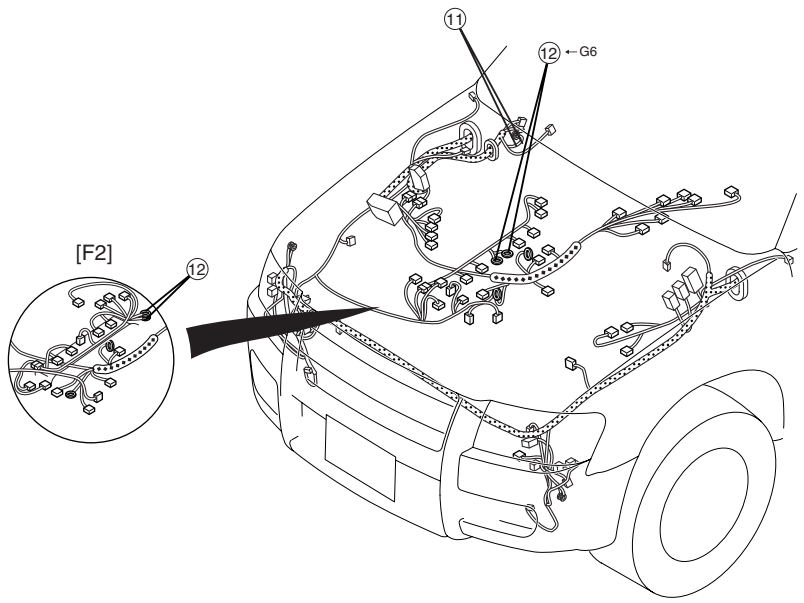
& ...REGULAR CAB



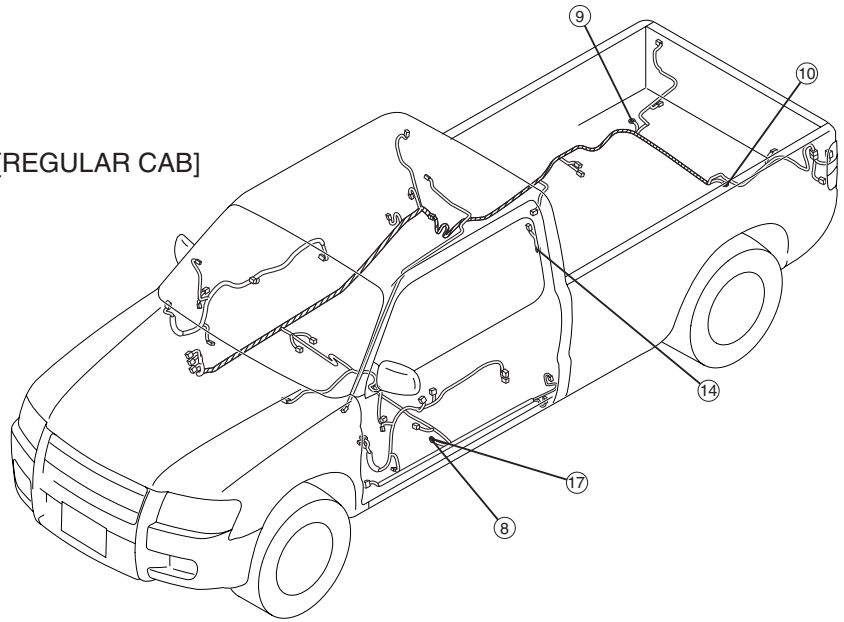


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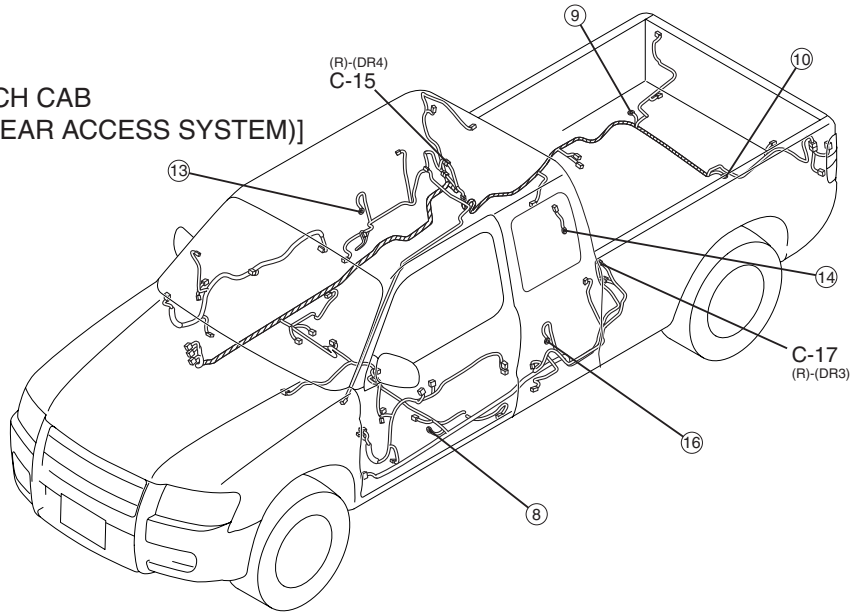
HARNESS SYMBOL: (F) (E) (R)



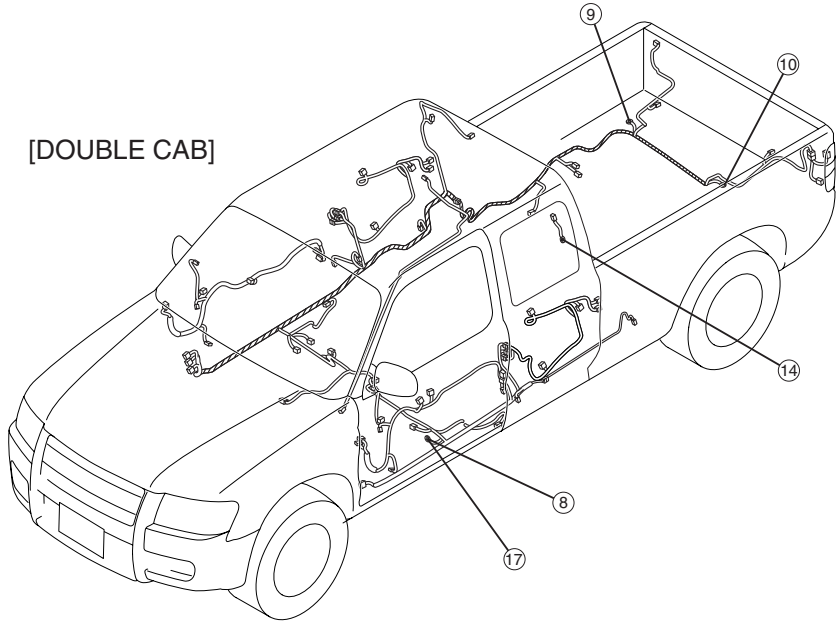
[REGULAR CAB]



[STRETCH CAB
(WITH REAR ACCESS SYSTEM)]

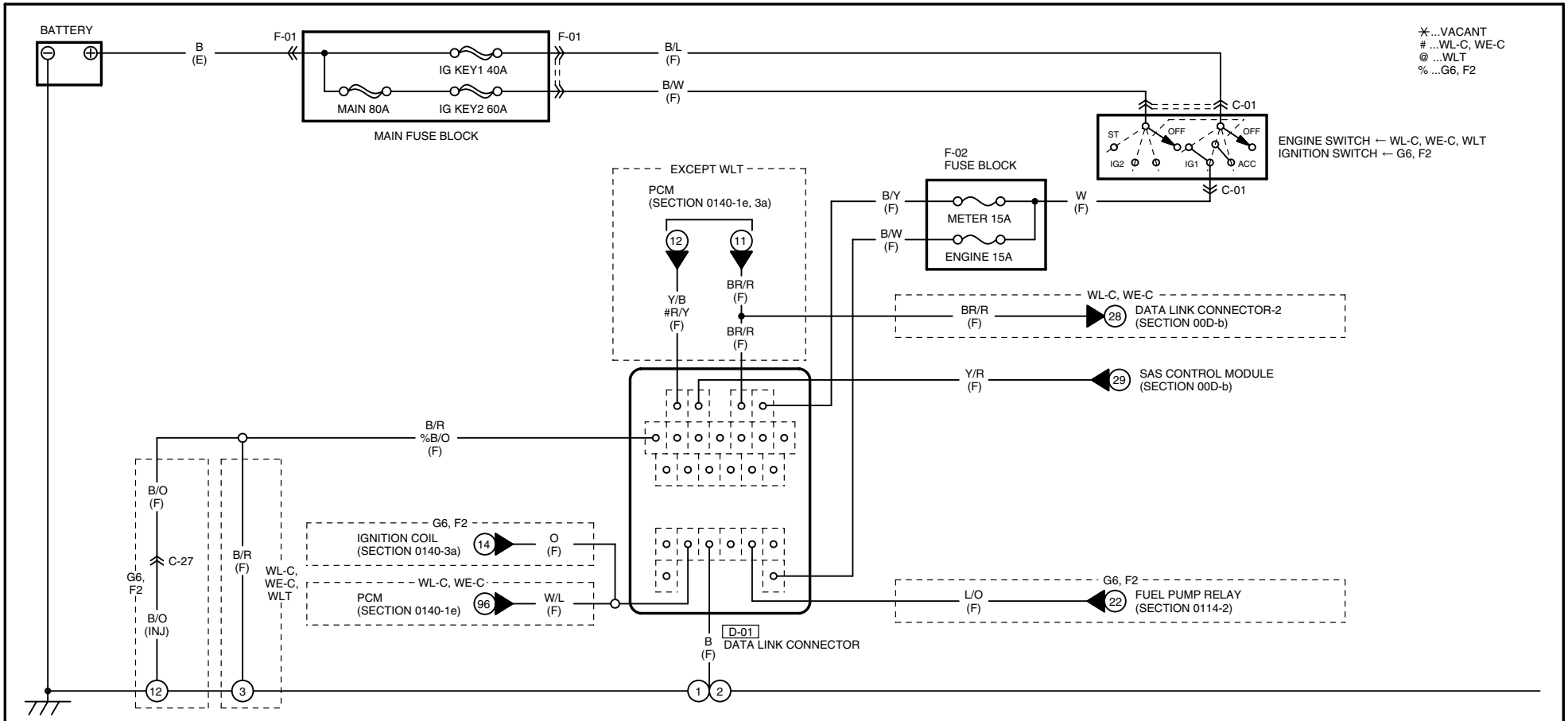


[DOUBLE CAB]

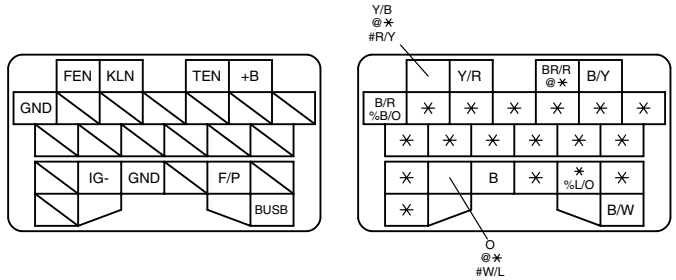


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DATA LINK CONNECTOR



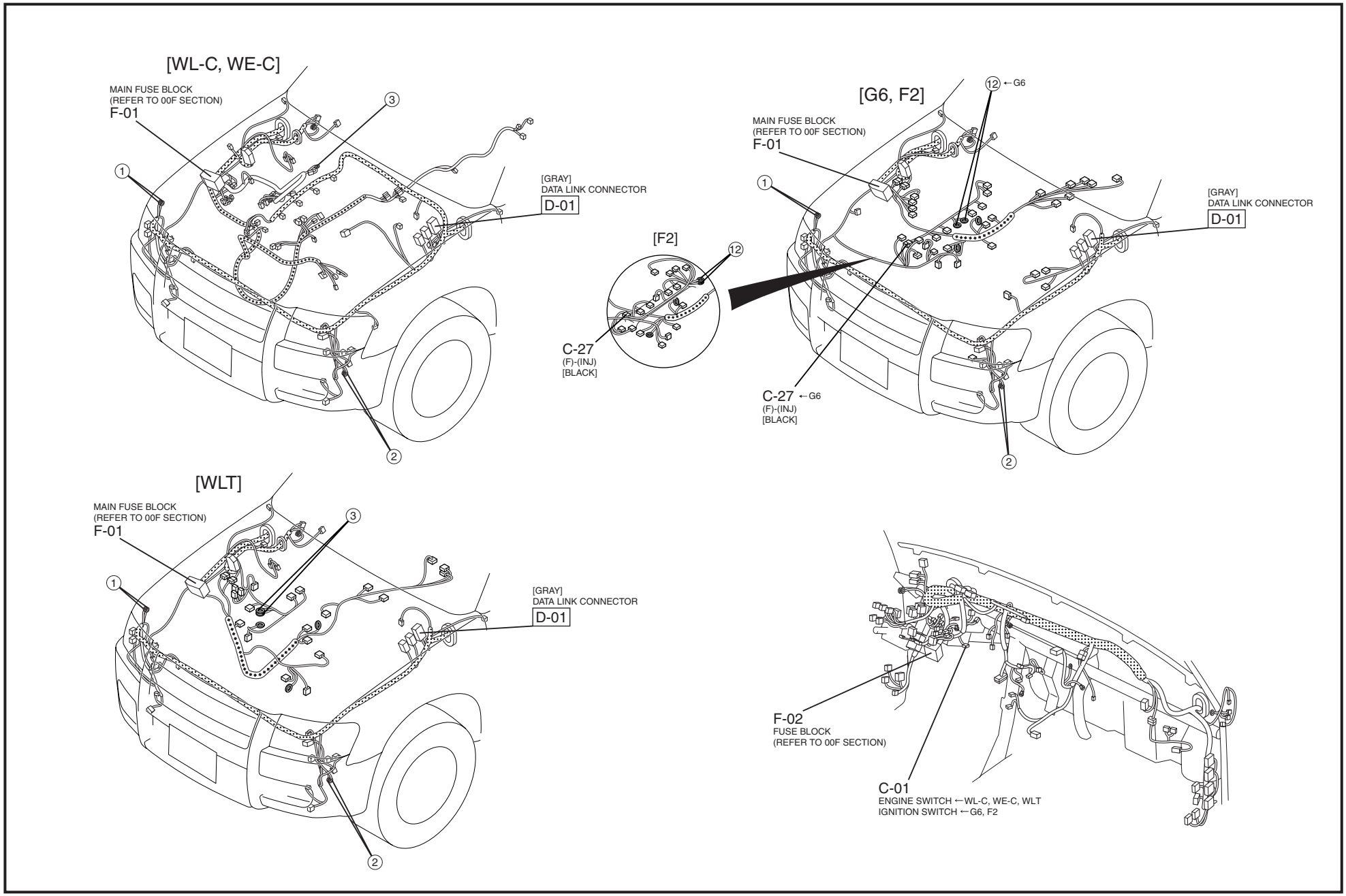
D-01 DATA LINK CONNECTOR(F)



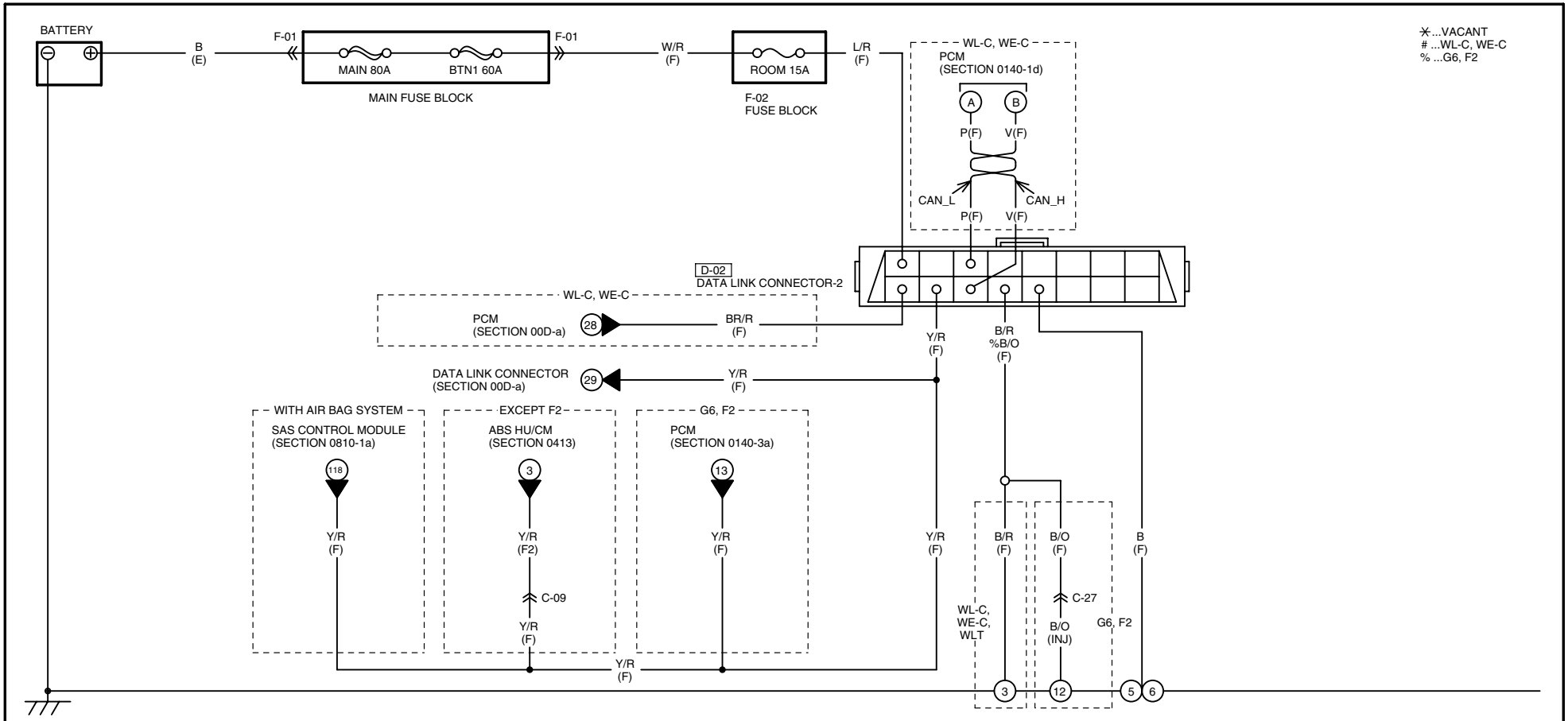
NOTE:SEEN FROM TERMINAL SIDE

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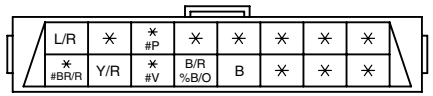
HARNESS SYMBOL: (F) (E) (R)



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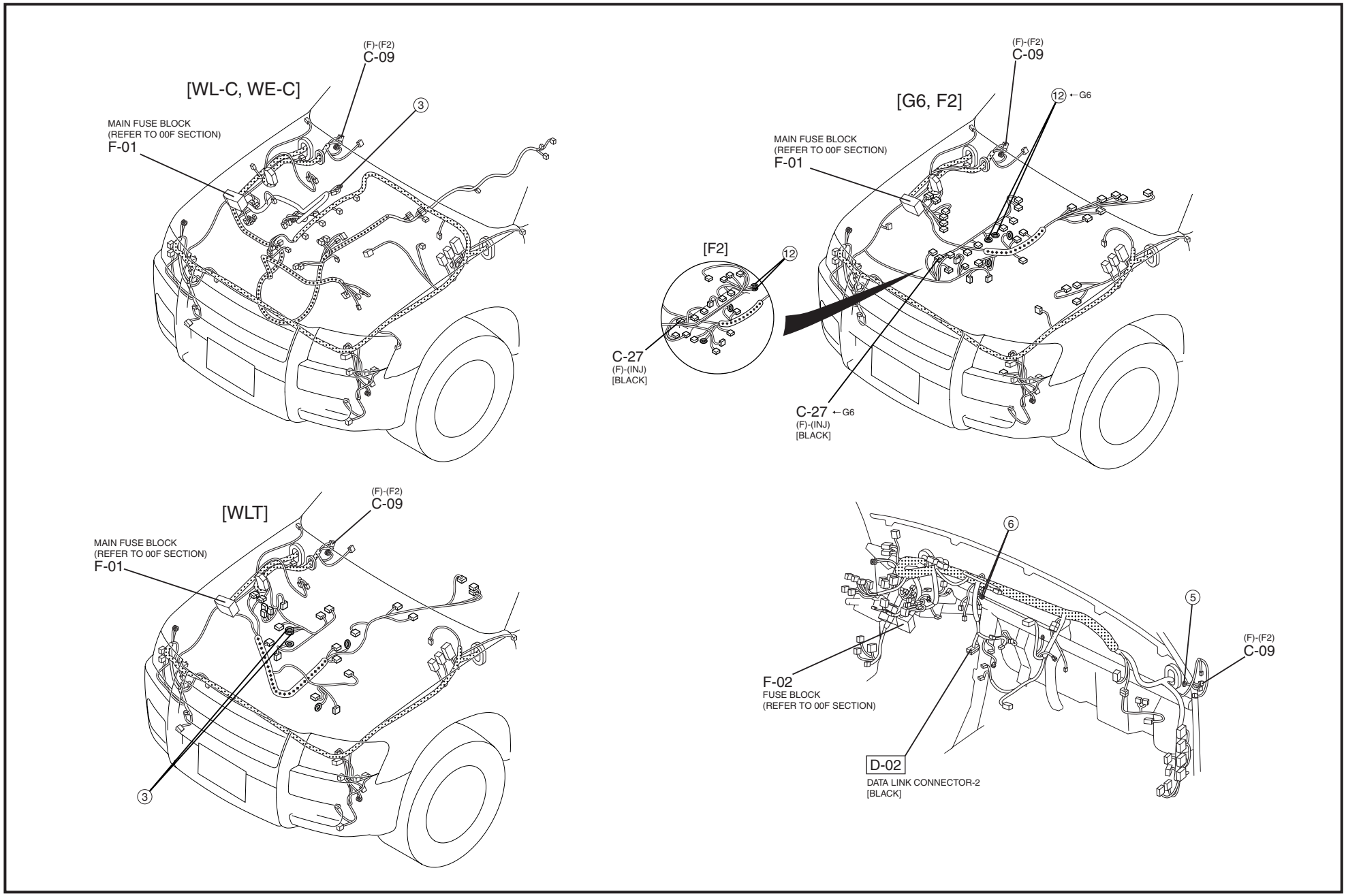
D-02 DATA LINK CONNECTOR-2(F)



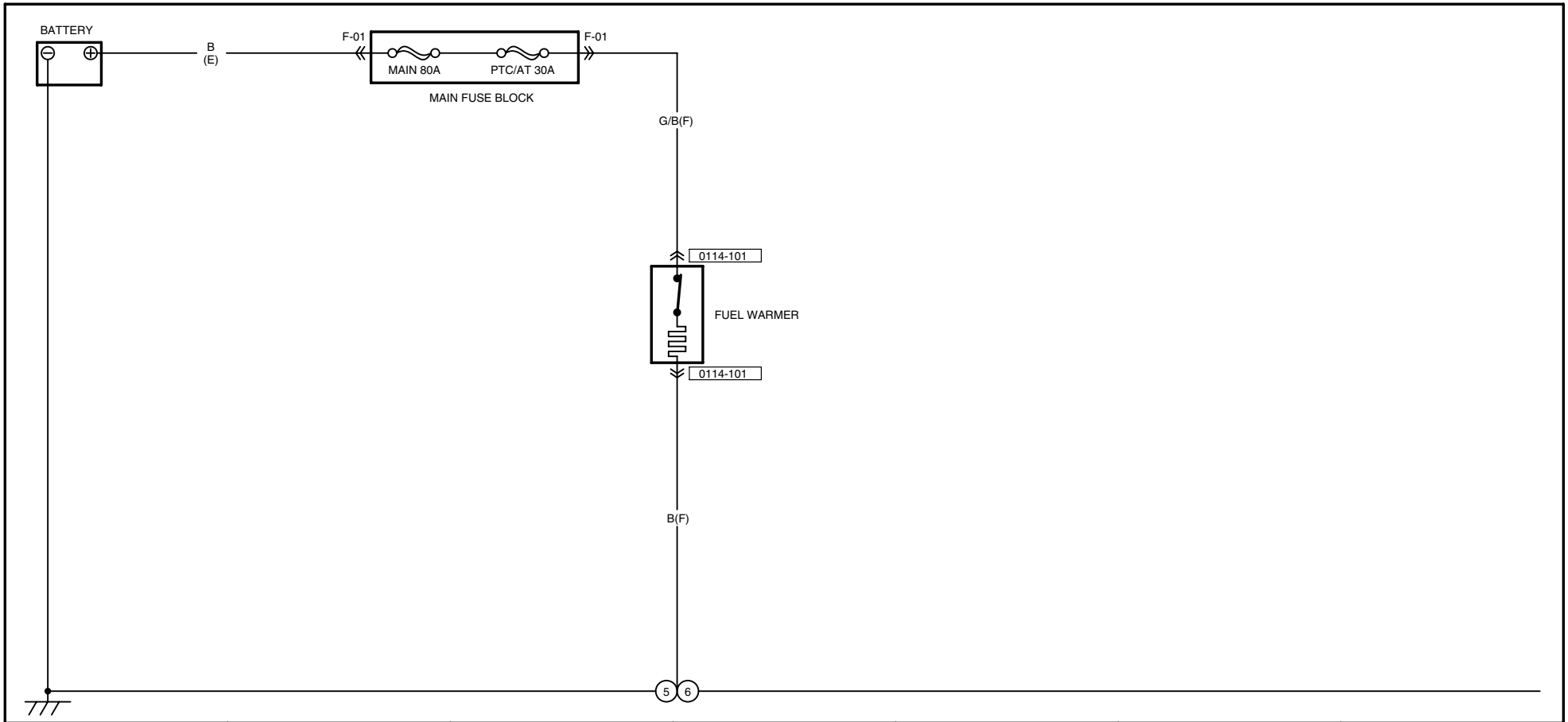
NOTE:SEEN FROM TERMINAL SIDE

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HARNESS SYMBOL: (F) (E) (R)



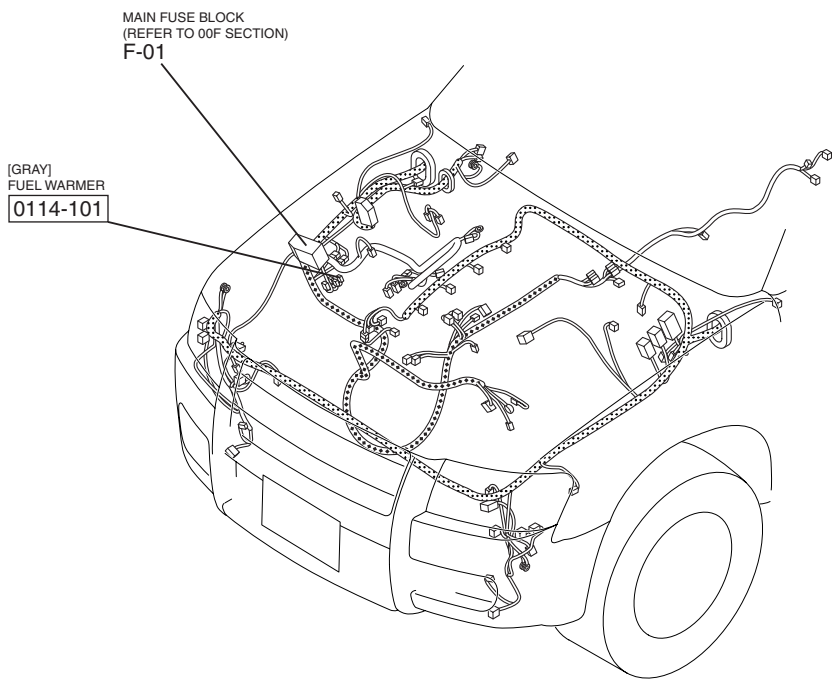
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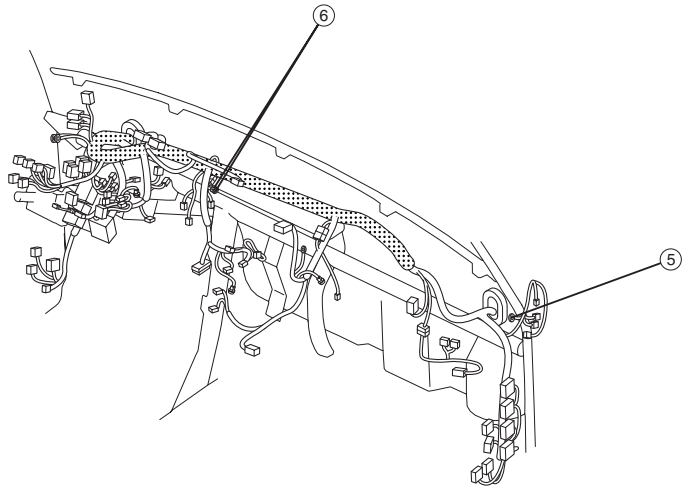


0114-101 FUEL WARMER(F)						
						

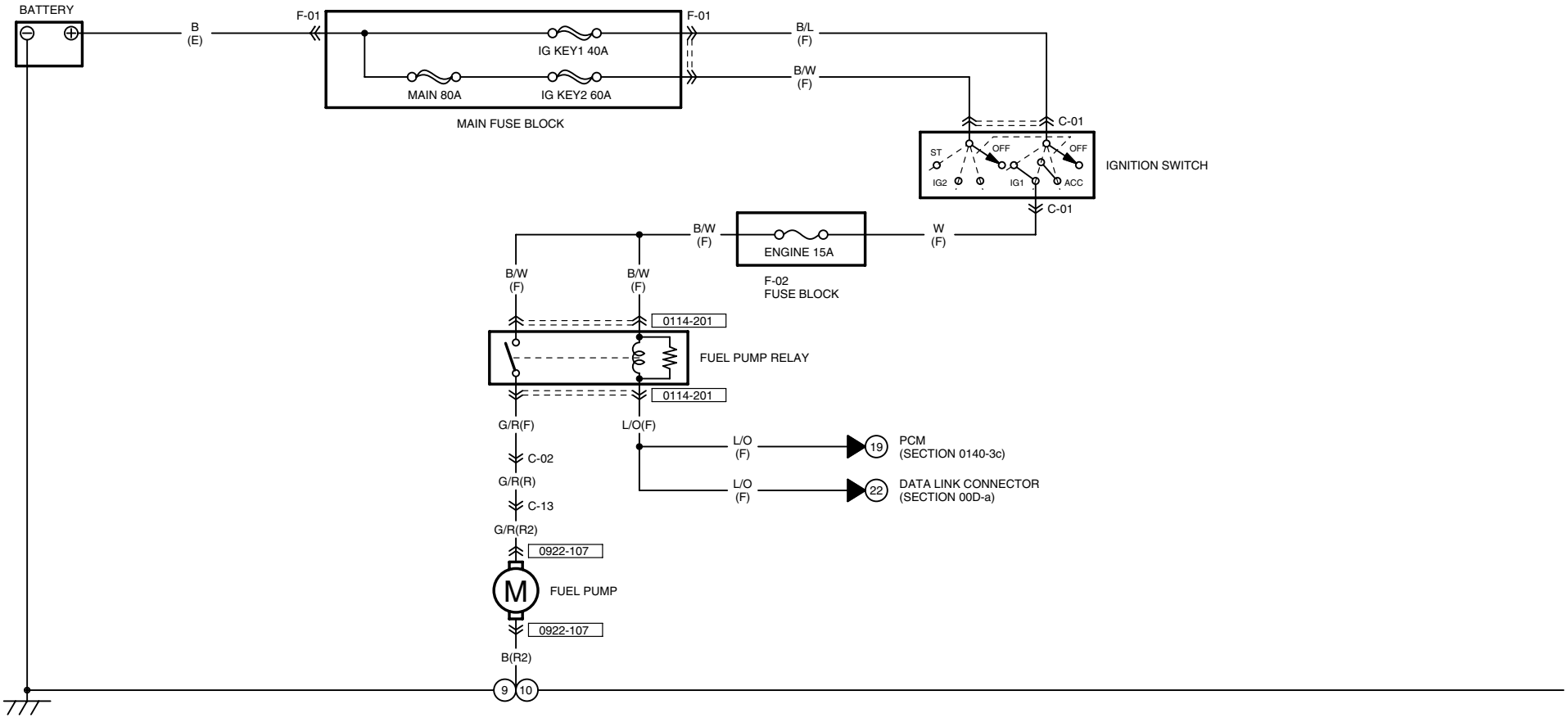
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HARNESS SYMBOL: (F) (E) (R)





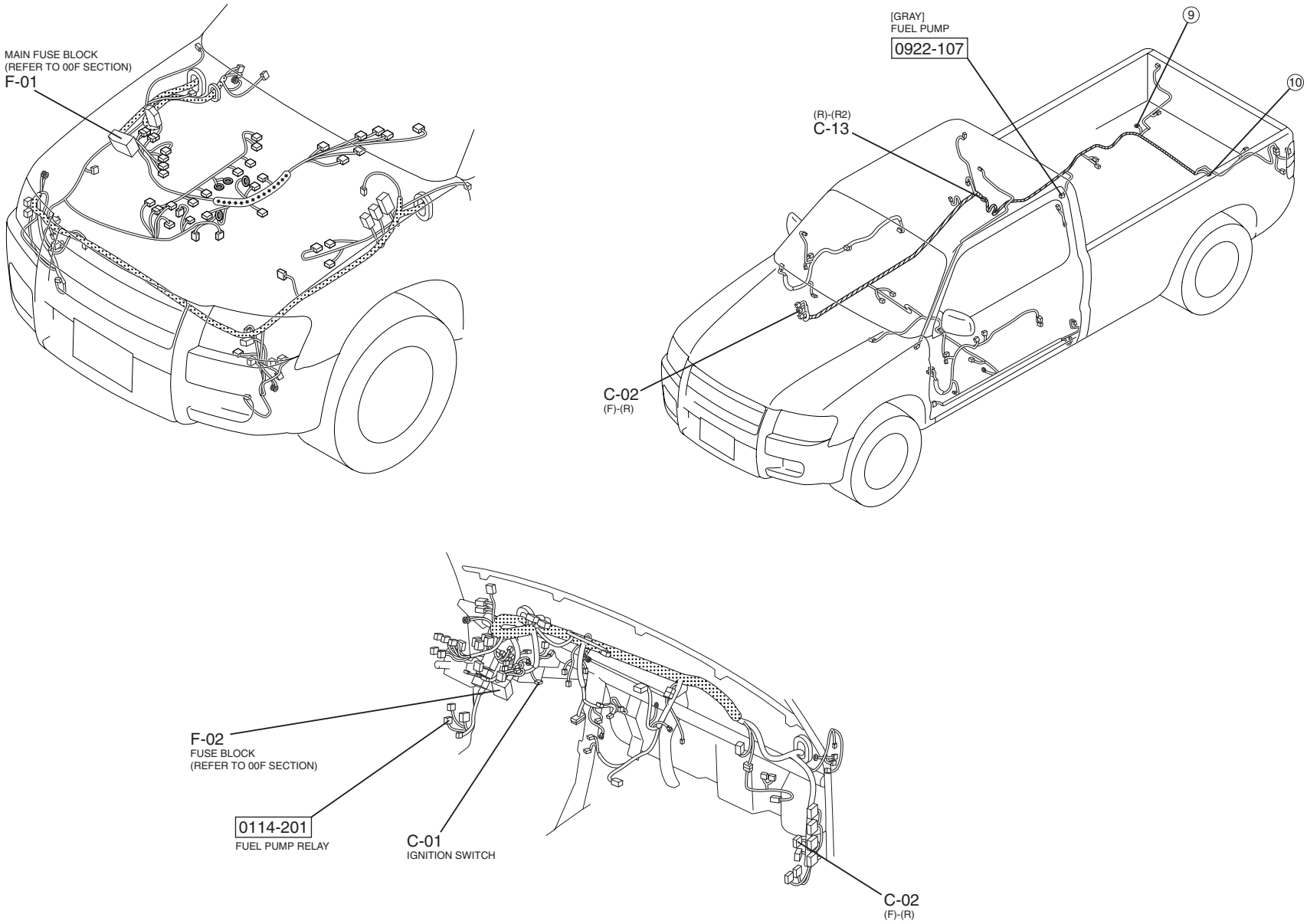
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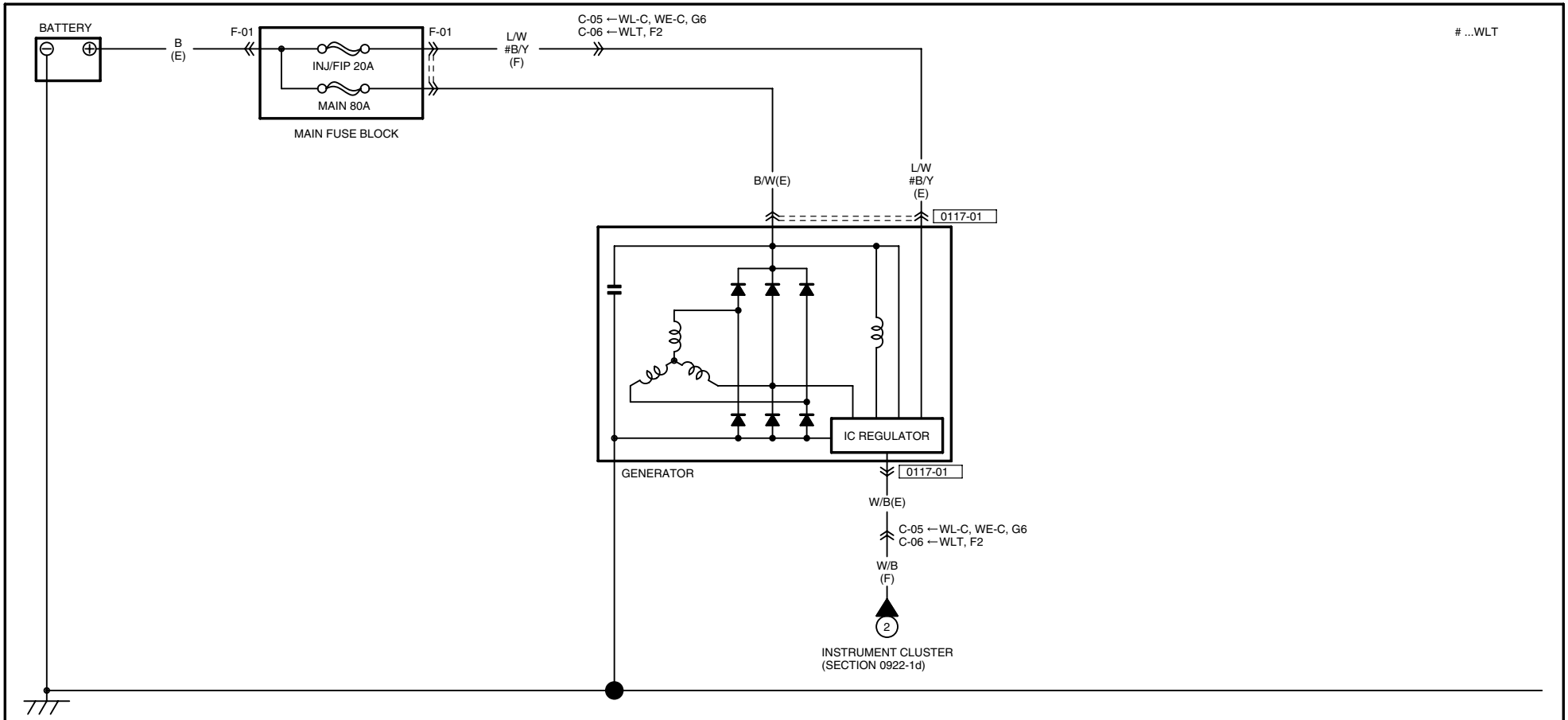
0114-201	FUEL PUMP RELAY(F)	0922-107	FUEL PUMP(R2)				
C A B/W B/W G/R L/O C A		Y B/R B G/R					

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HARNESS SYMBOL: (F) (E) (R)



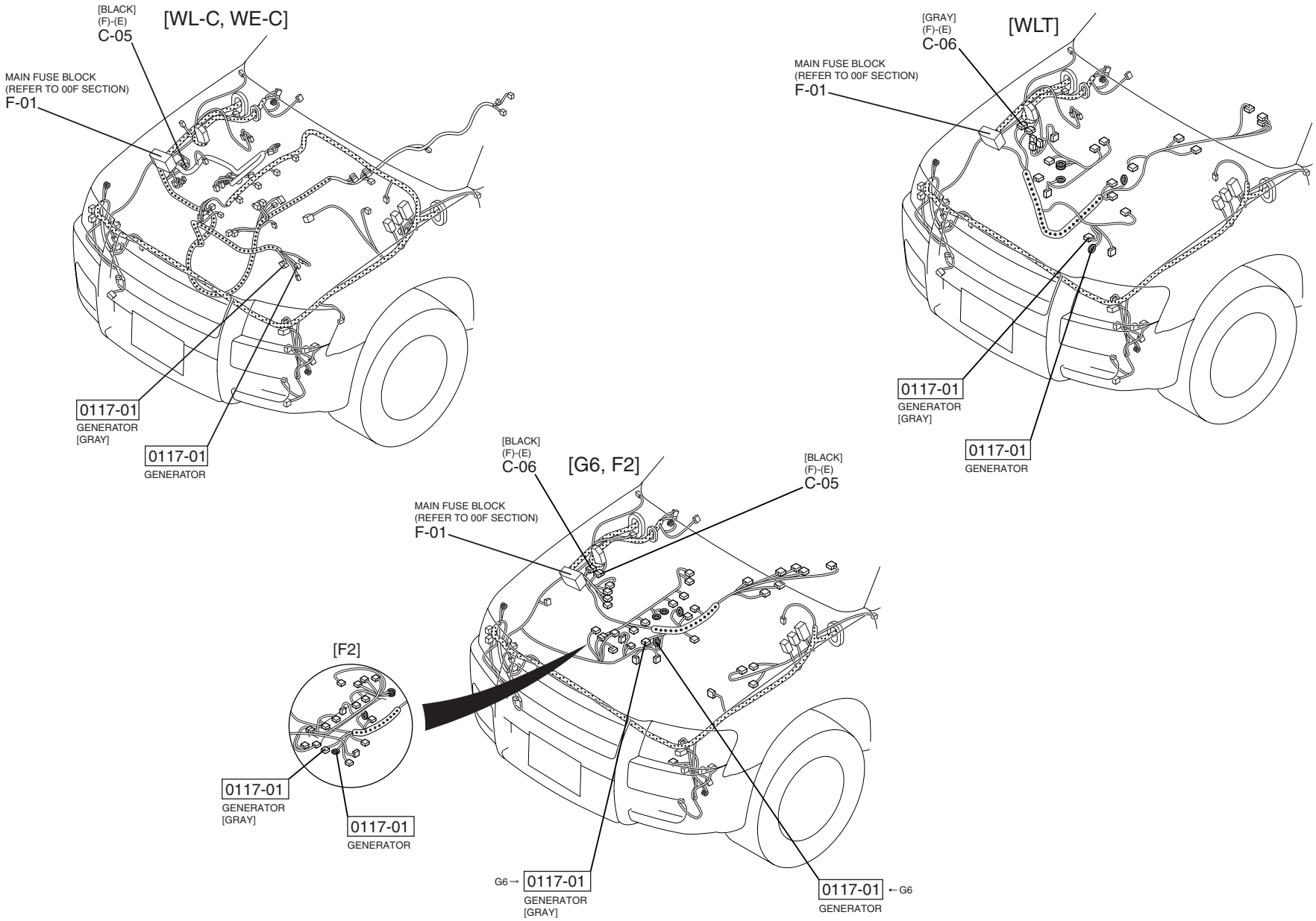
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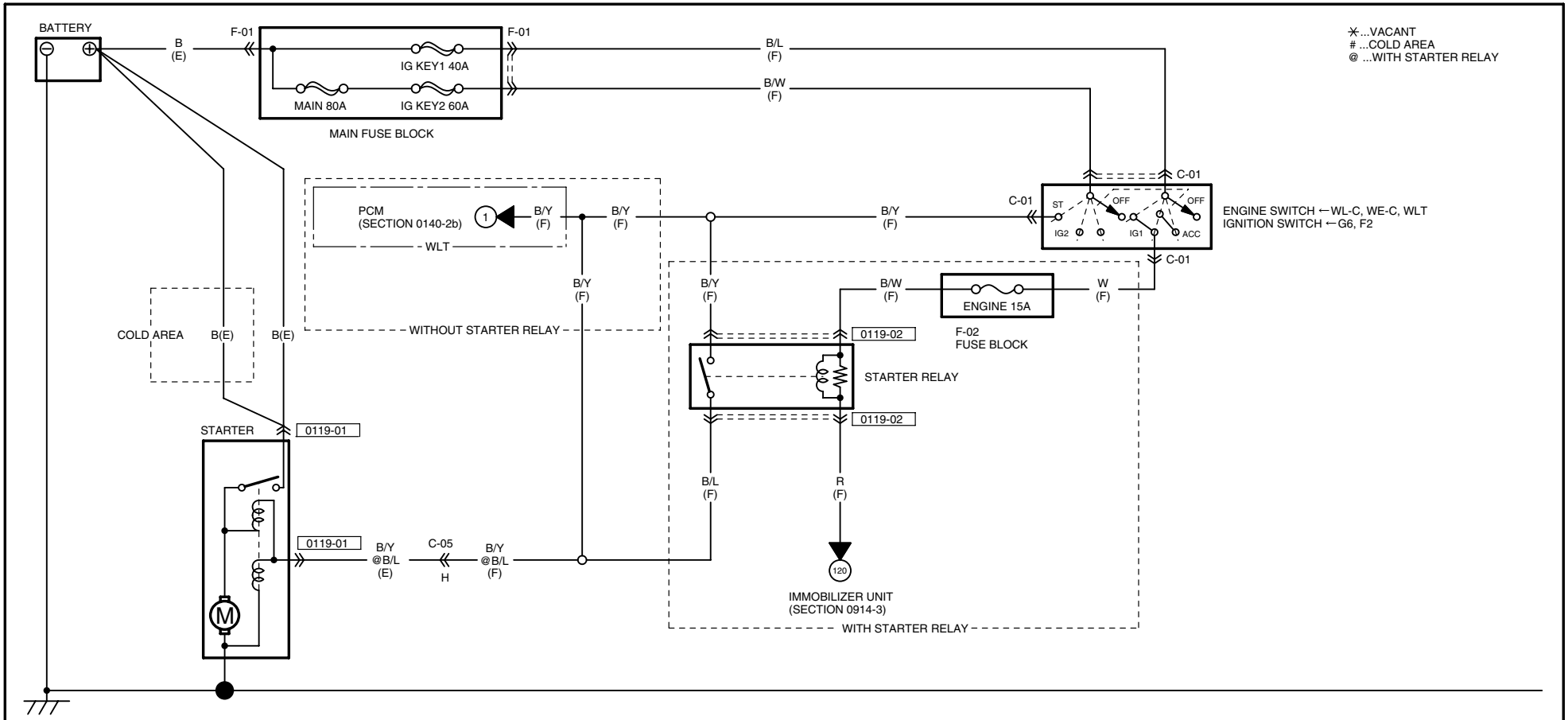
0117-01 GENERATOR(E) B/W L/W #B/Y W/B						

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HARNESS SYMBOL: (F) (E) (R)



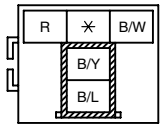
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0119-01	STARTER(E)

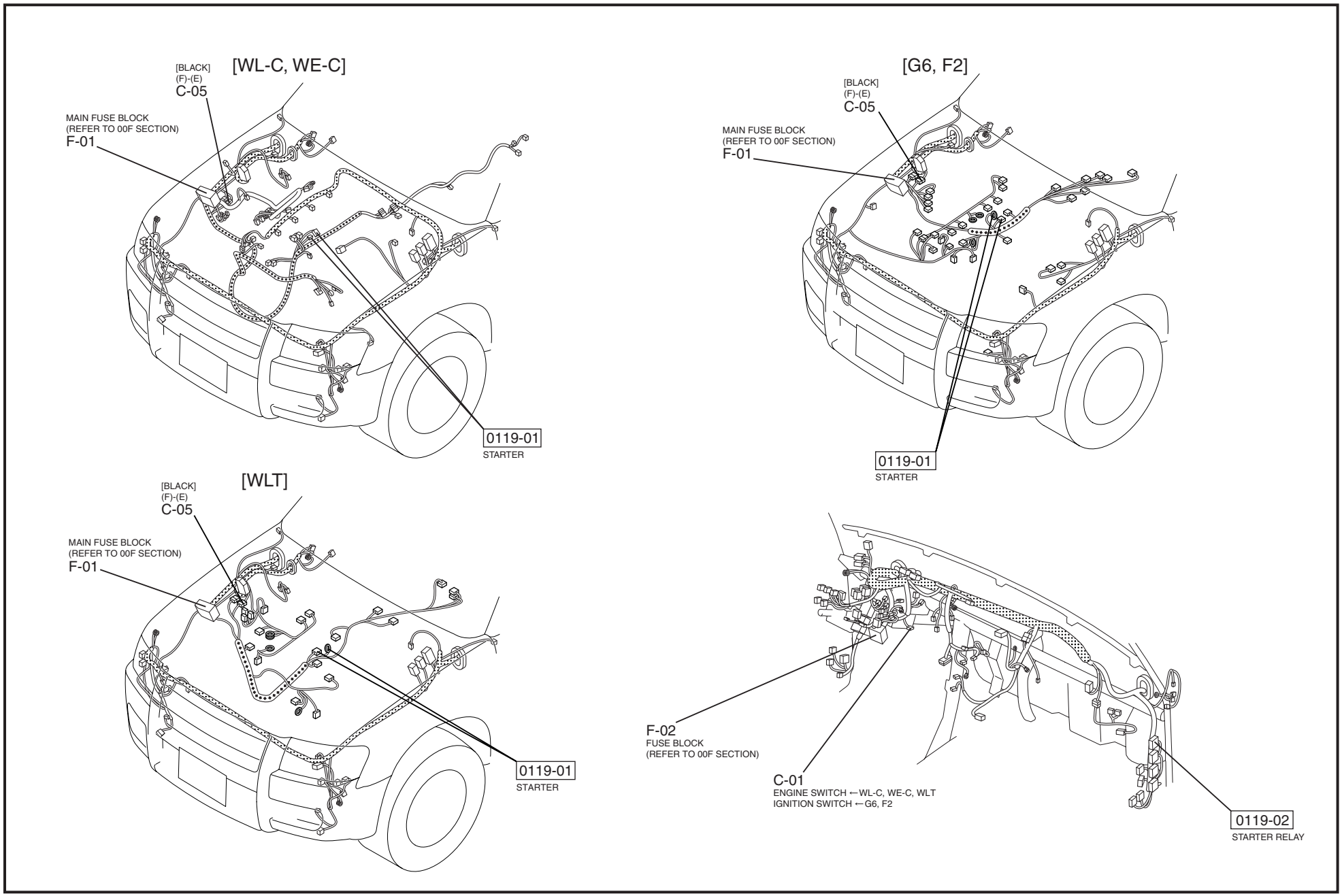


0119-02	STARTER RELAY(F)

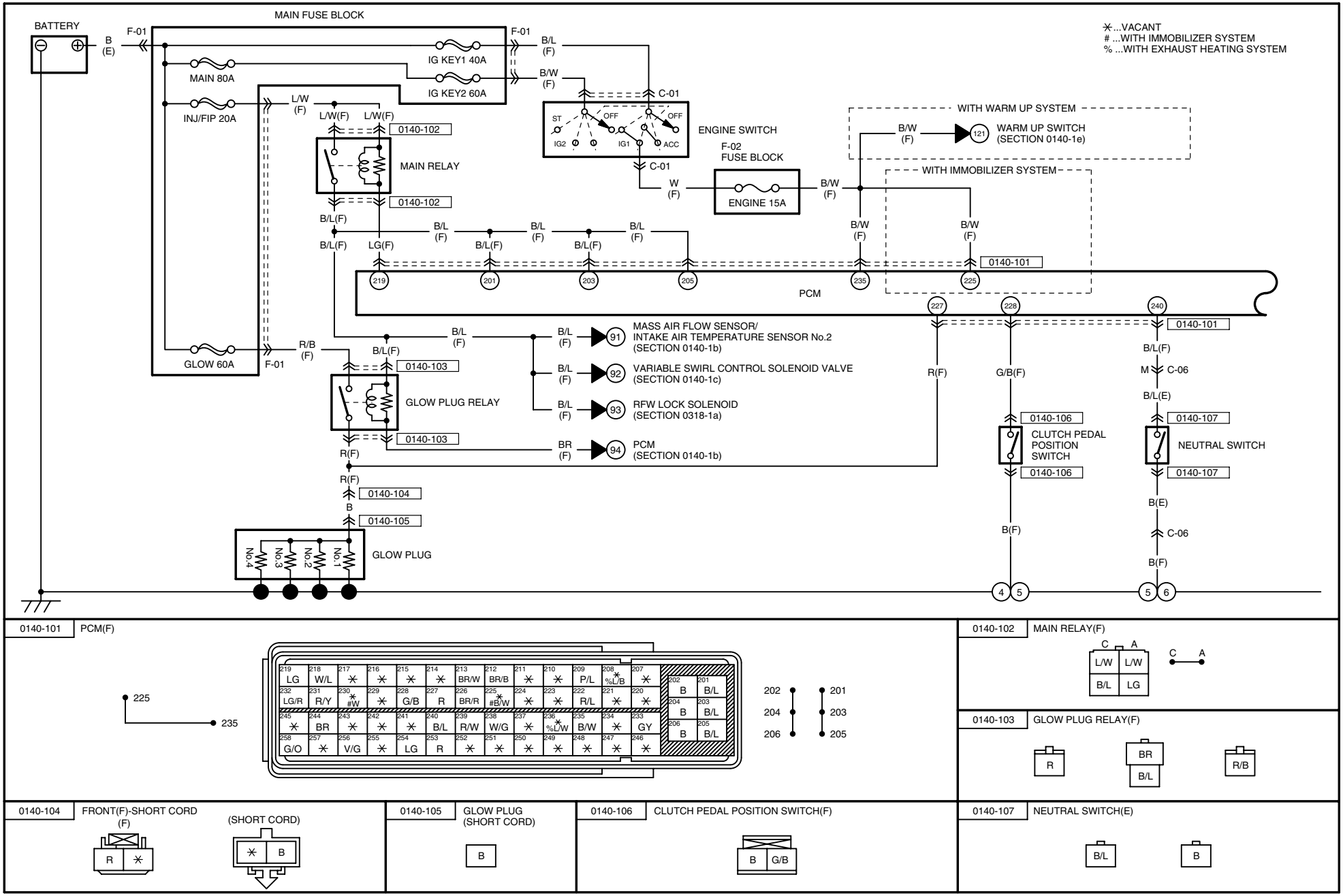


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HARNESS SYMBOL: (F) (E) (R)

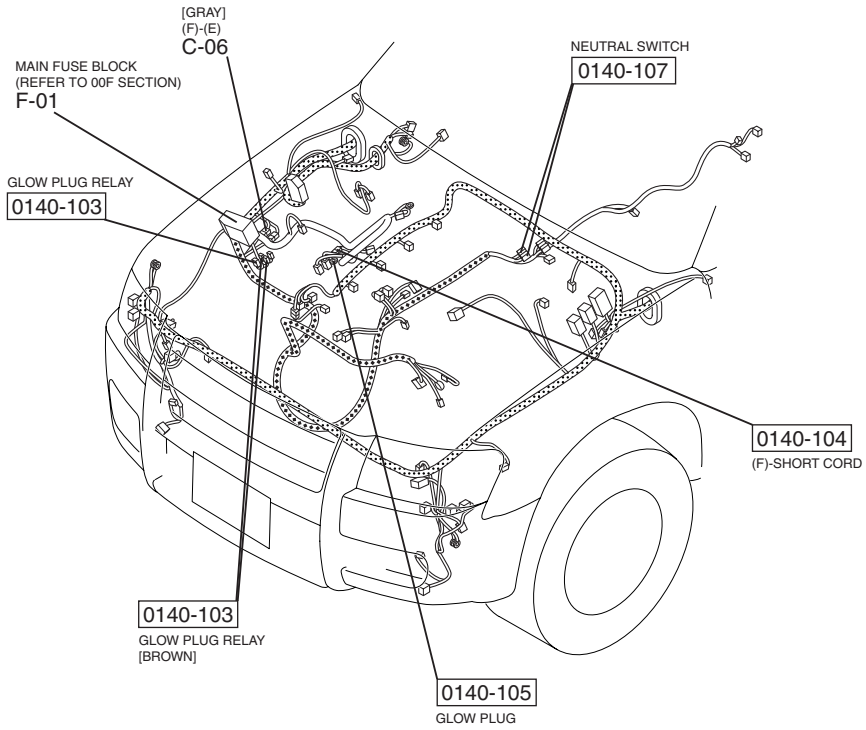


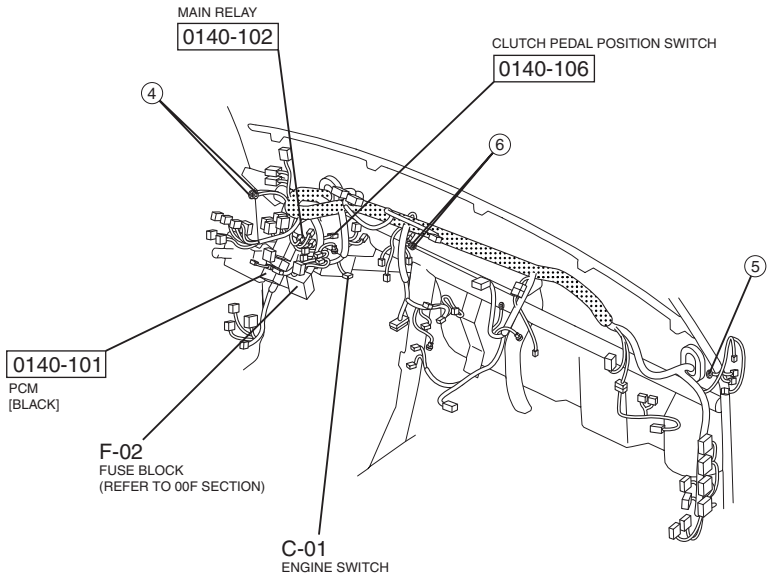
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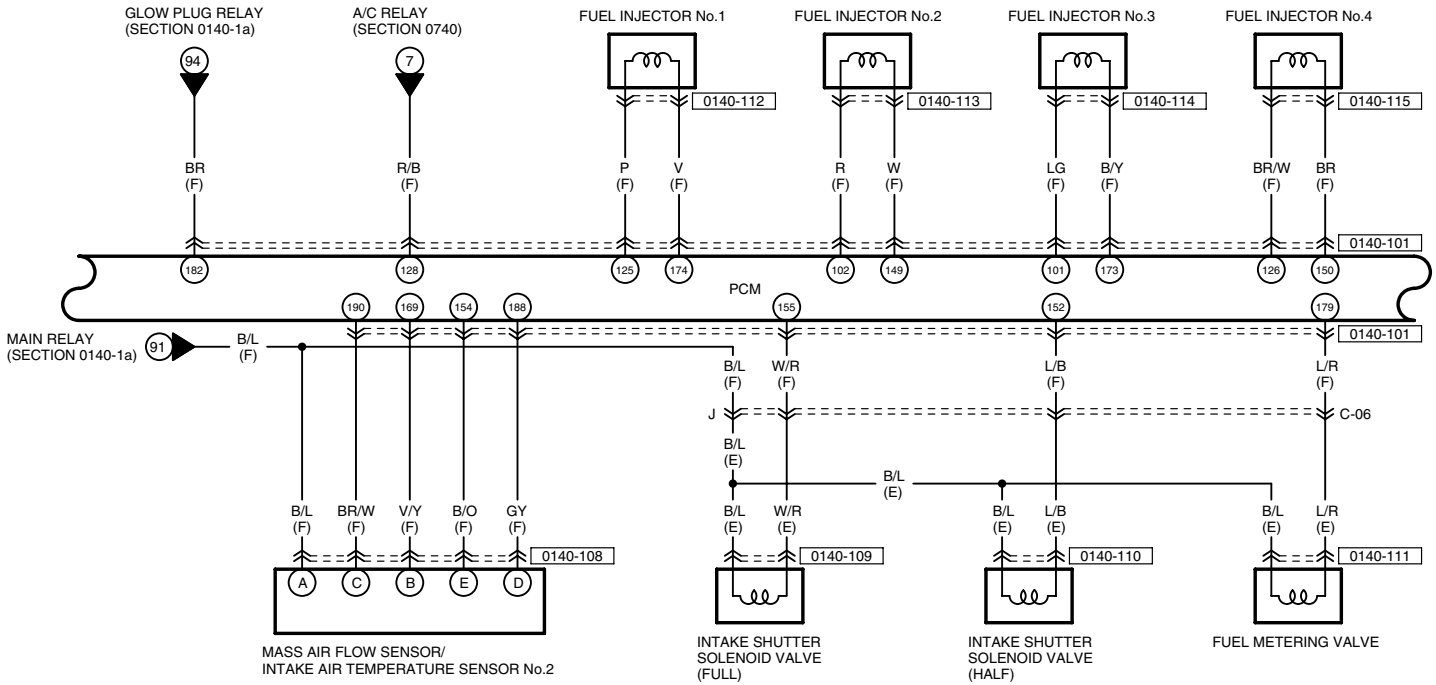
HARNESS SYMBOL: (F) (E) (R)



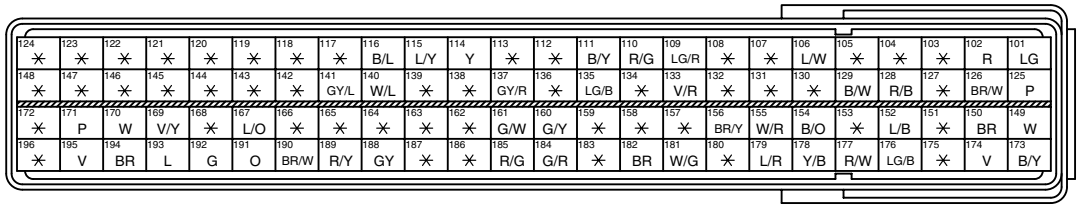


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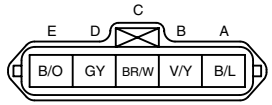
✳ ...VACANT



0140-101 PCM(F)



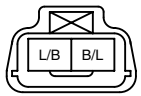
0140-108 MASS AIR FLOW SENSOR/INTAKE AIR TEMPERATURE SENSOR No.2(F)



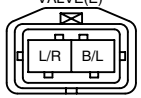
0140-109 INTAKE SHUTTER SOLENOID VALVE(FULL)(E)



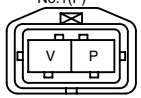
0140-110 INTAKE SHUTTER SOLENOID VALVE(HALF)(E)



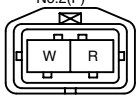
0140-111 FUEL METERING VALVE(E)



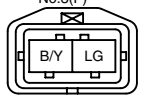
0140-112 FUEL INJECTOR No.1(F)



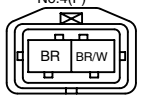
0140-113 FUEL INJECTOR No.2(F)



0140-114 FUEL INJECTOR No.3(F)

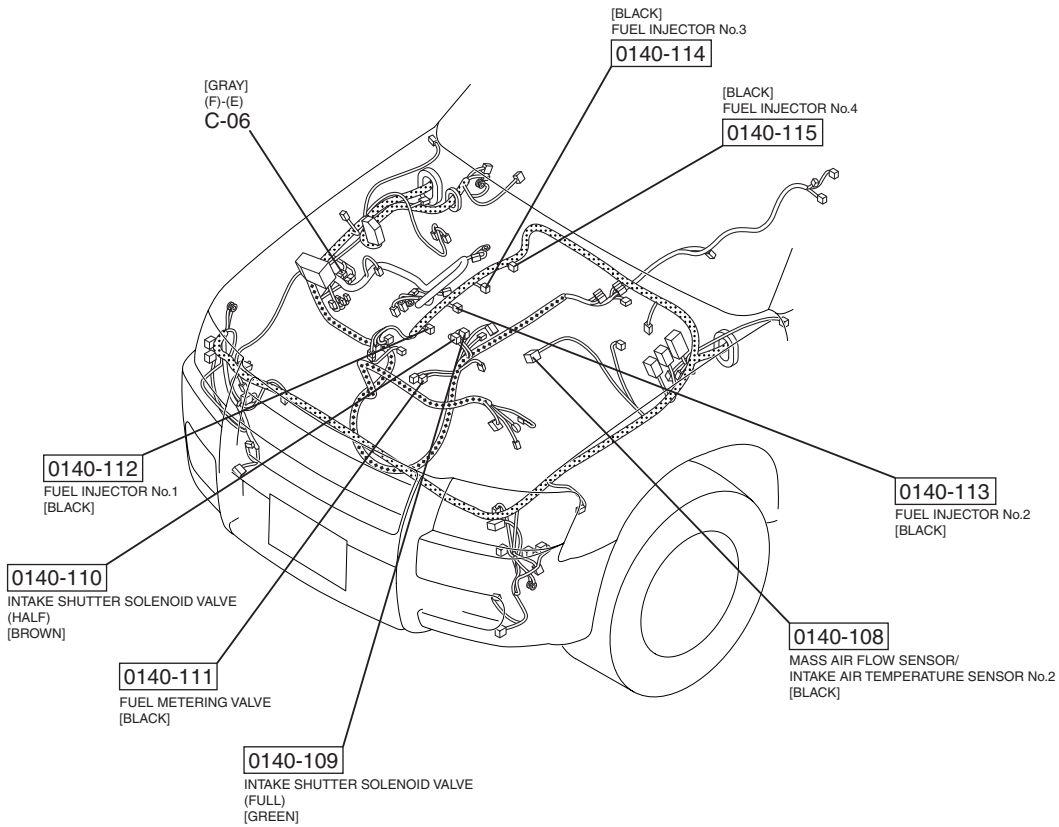


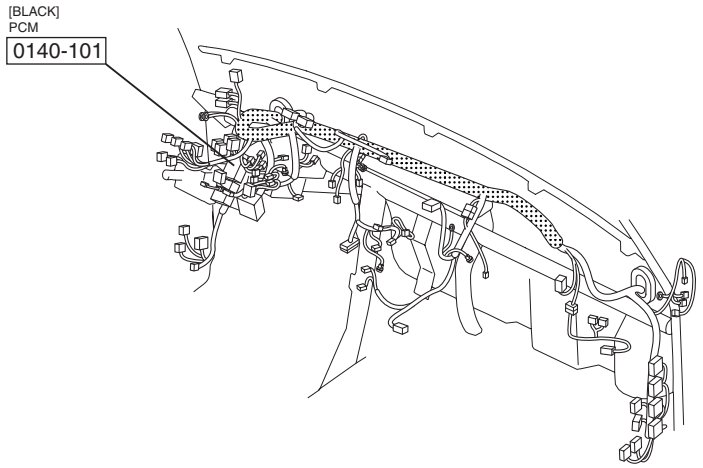
0140-115 FUEL INJECTOR No.4(F)



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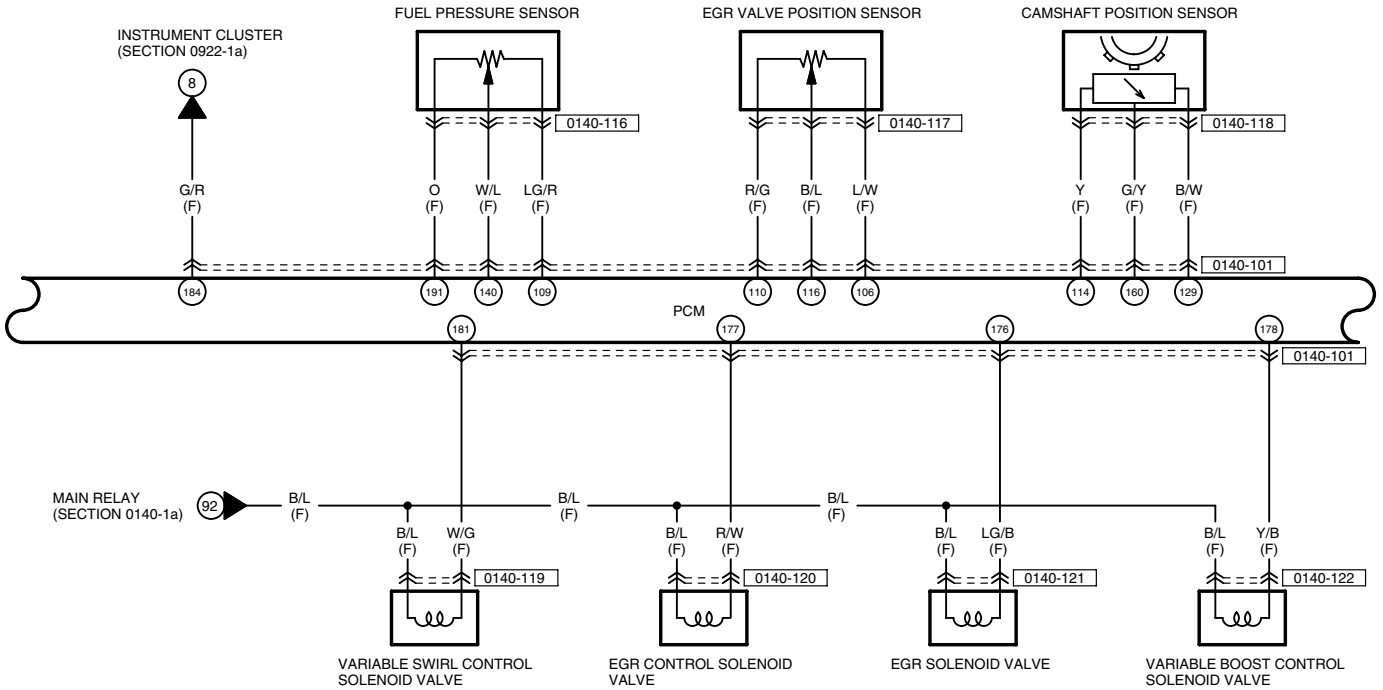
HARNESS SYMBOL: (F) (E) (R)



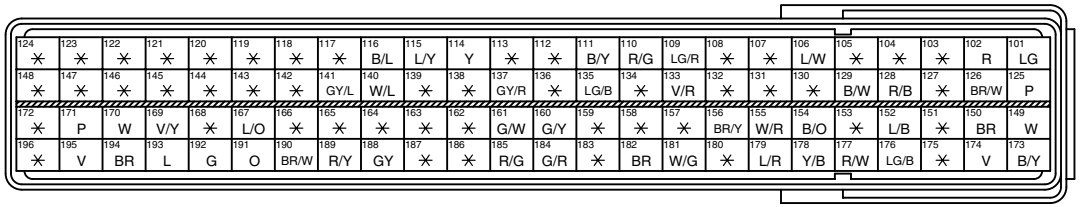


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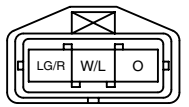
✳ ...VACANT



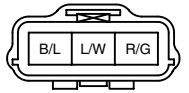
0140-101 PCM(F)



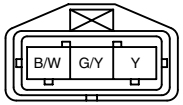
0140-116 FUEL PRESSURE SENSOR(F)



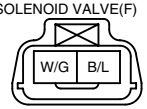
0140-117 EGR VALVE POSITION SENSOR(F)



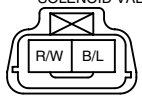
0140-118 CAMSHAFT POSITION SENSOR(F)



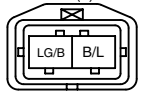
0140-119 VARIABLE SWIRL CONTROL SOLENOID VALVE(F)



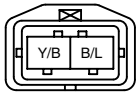
0140-120 EGR CONTROL SOLENOID VALVE(F)



0140-121 EGR SOLENOID VALVE(F)

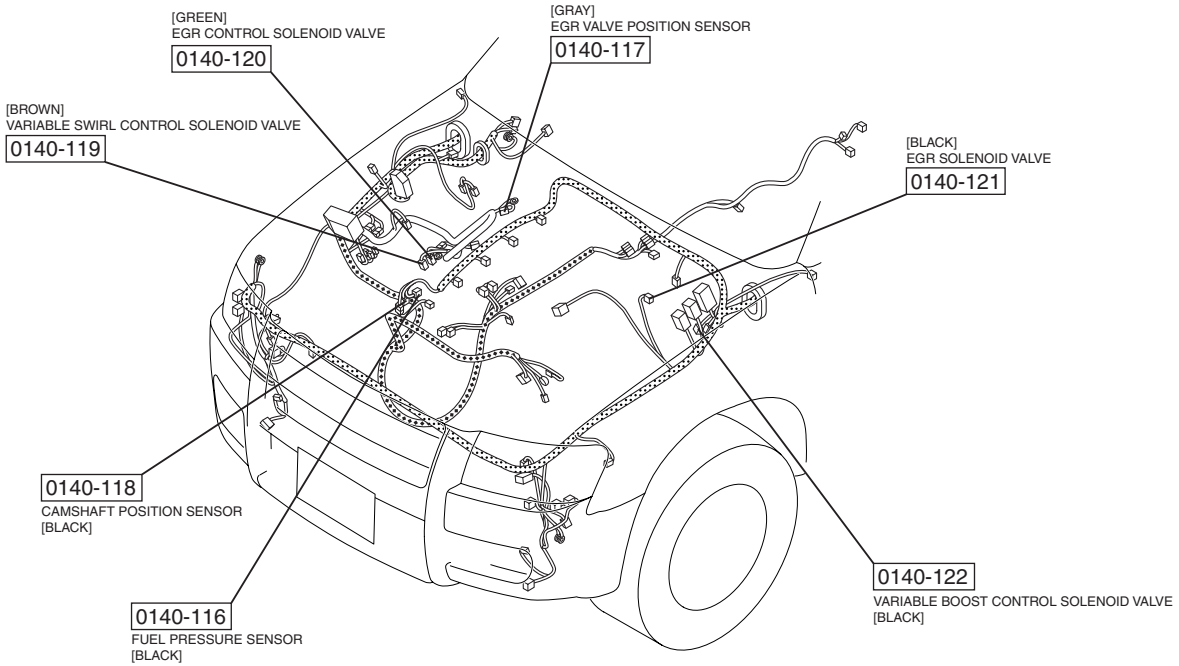


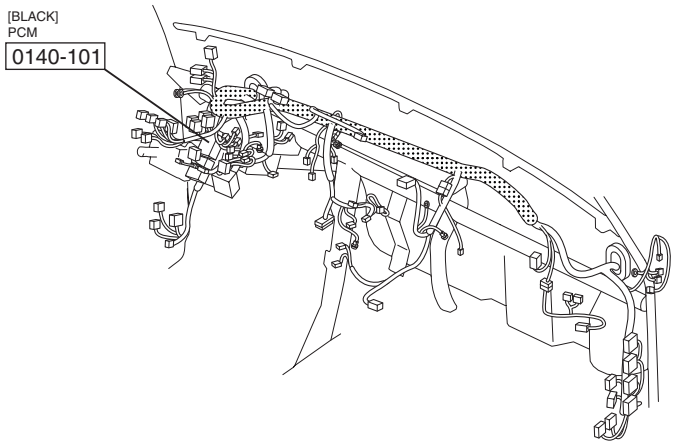
0140-122 VARIABLE BOOST CONTROL SOLENOID VALVE(F)



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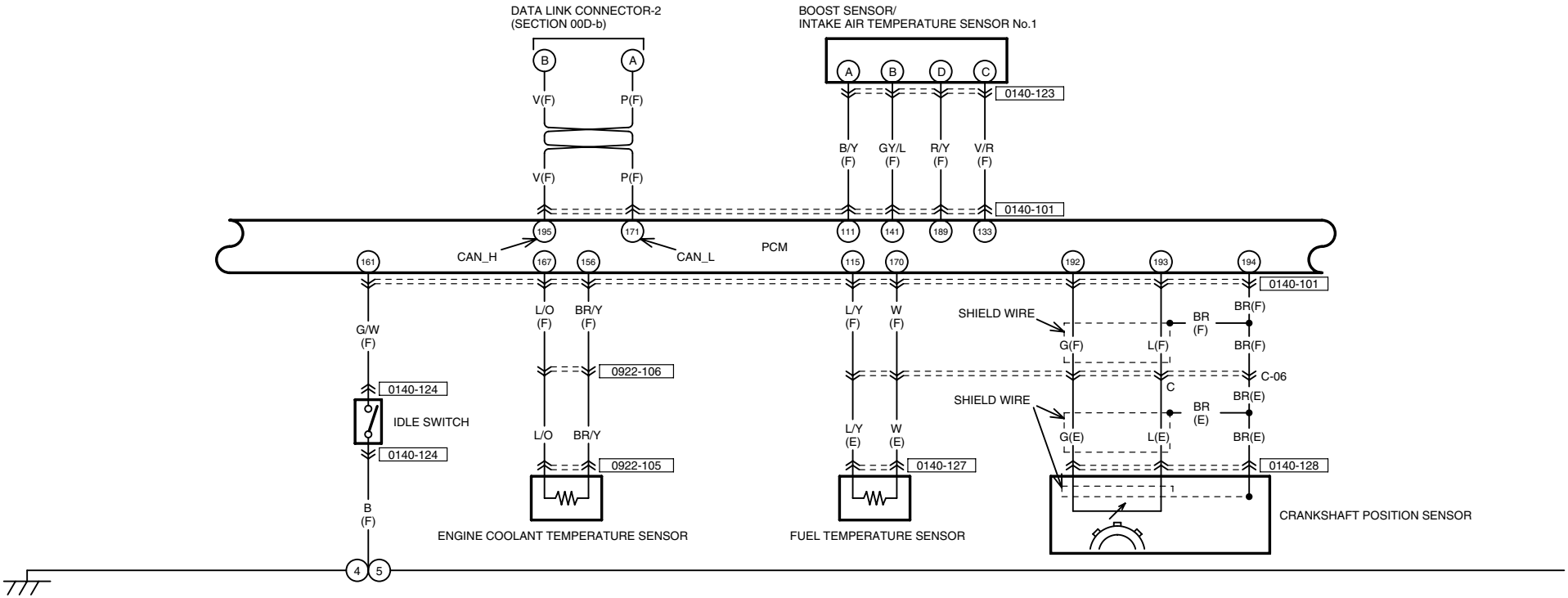
HARNESS SYMBOL: (F) (E) (R)





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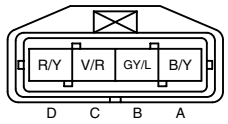
✳ ...VACANT



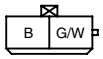
0140-101 PCM(F)

124 ✳	123 ✳	122 ✳	121 ✳	120 ✳	119 ✳	118 ✳	117 ✳	116 B/L	115 L/Y	114 Y	113 ✳	112 ✳	111 B/Y	110 R/G	109 LG/R	108 ✳	107 ✳	106 L/W	105 ✳	104 ✳	103 ✳	102 R	101 LG
148 ✳	147 ✳	146 ✳	145 ✳	144 ✳	143 ✳	142 ✳	141 GY/L	140 W/L	139 ✳	138 ✳	137 GY/R	136 ✳	135 LG/B	134 ✳	133 V/R	132 ✳	131 ✳	130 ✳	129 B/W	128 R/B	127 ✳	126 BR/W	125 P
172 ✳	171 P	170 W	169 V/Y	168 ✳	167 L/O	166 ✳	165 ✳	164 ✳	163 ✳	162 ✳	161 G/W	160 G/Y	159 ✳	158 ✳	157 ✳	156 BR/Y	155 W/R	154 B/O	153 ✳	152 L/B	151 ✳	150 BR	149 W
196 ✳	195 V	194 BR	193 L	192 G	191 O	190 BR/W	189 R/Y	188 GY	187 ✳	186 ✳	185 R/G	184 G/R	183 ✳	182 BR	181 W/G	180 ✳	179 L/R	178 Y/B	177 R/W	176 LG/B	175 ✳	174 V	173 B/Y

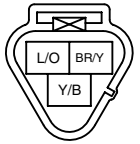
0140-123 BOOST SENSOR/ INTAKE AIR TEMPERATURE SENSOR No.1(F)



0140-124 IDLE SWITCH(F)

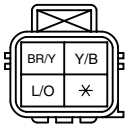


0922-105 ENGINE COOLANT TEMPERATURE SENSOR (SHORT CORD)

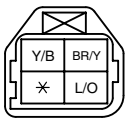


0922-106 FRONT(F)-SHORT CORD

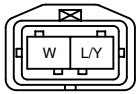
(F)



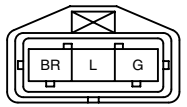
(SHORT CORD)



0140-127 FUEL TEMPERATURE SENSOR(E)

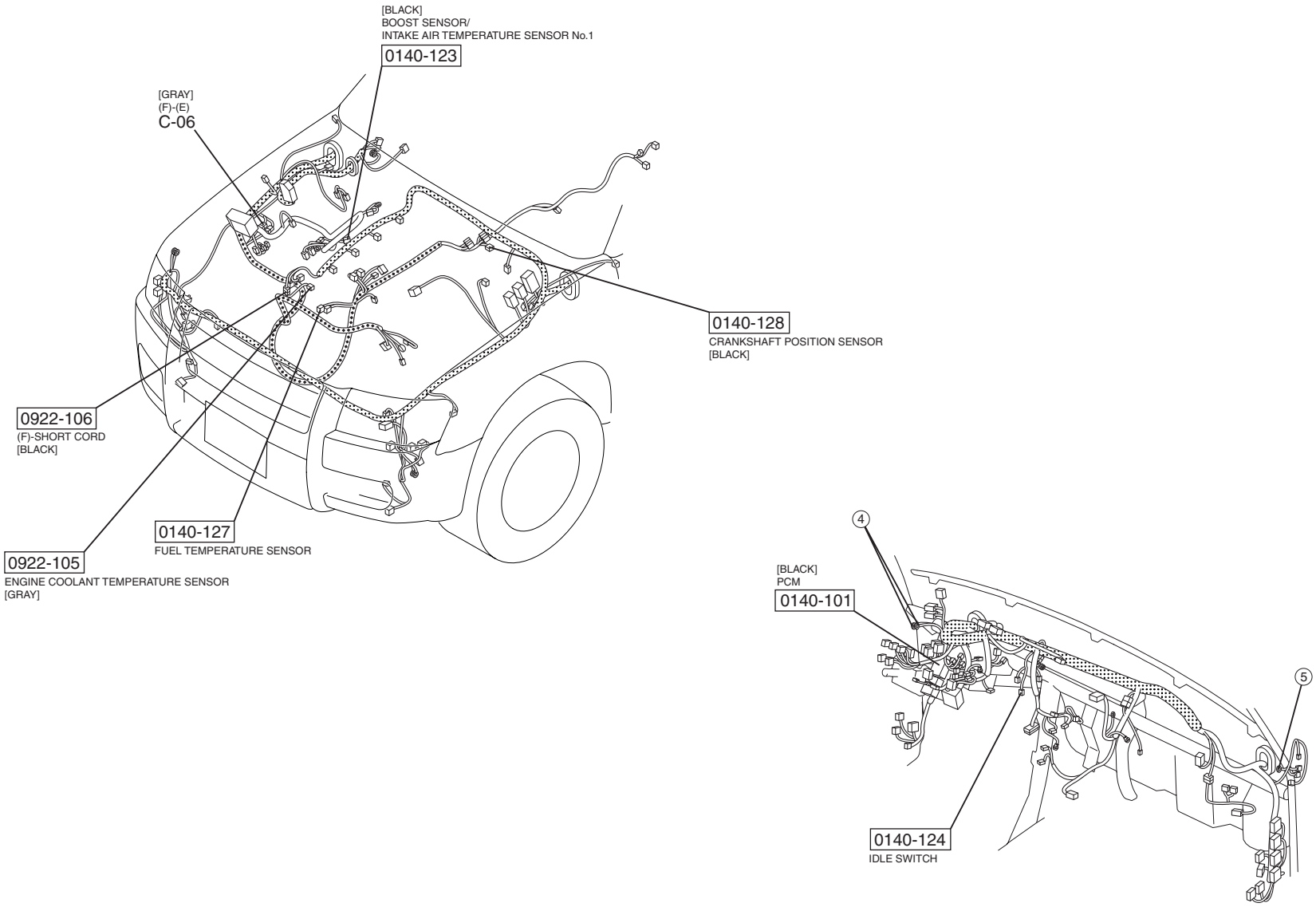


0140-128 CRANKSHAFT POSITION SENSOR(E)

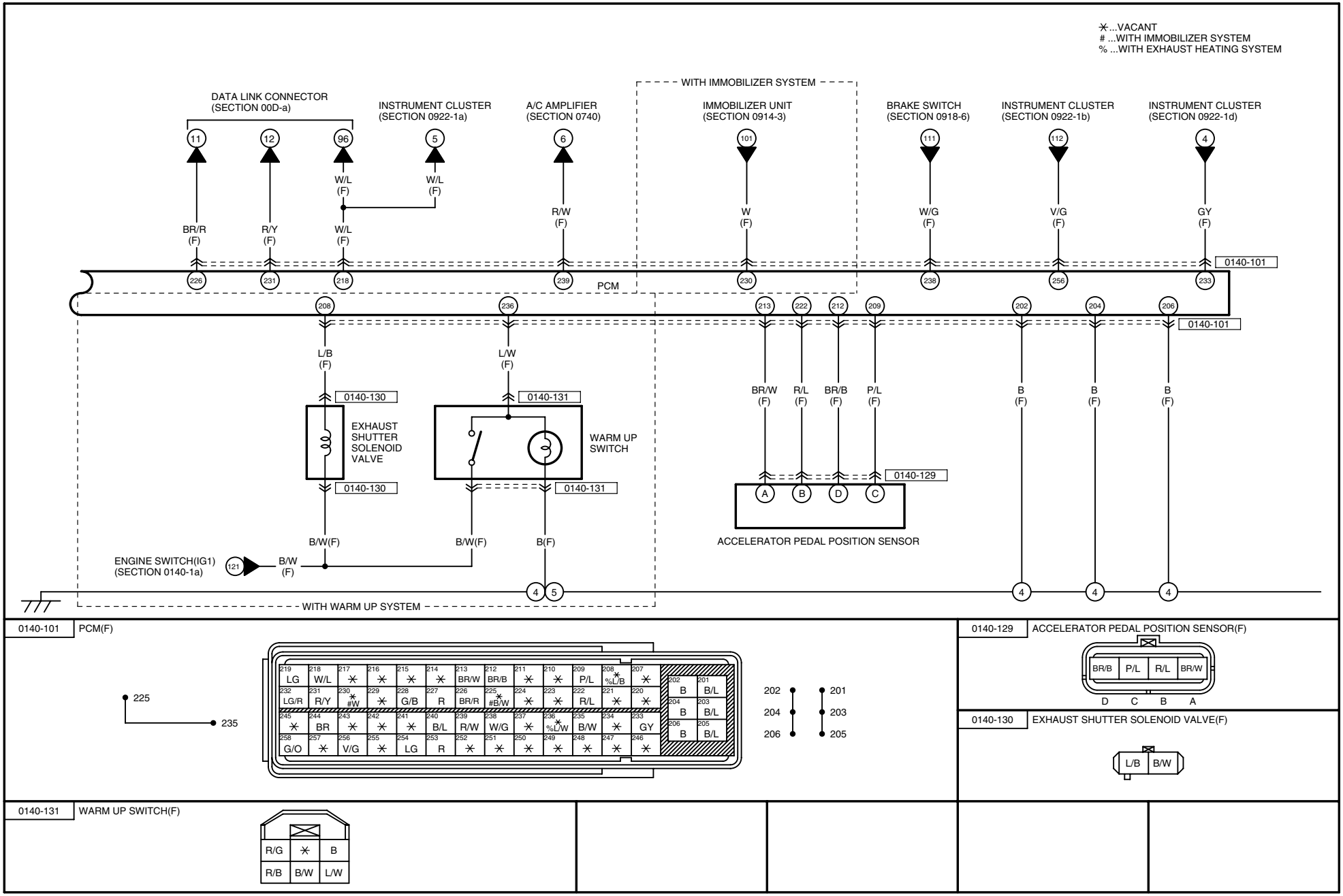


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HARNESS SYMBOL: (F) (E) (R)



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0140-101 PCM(F)

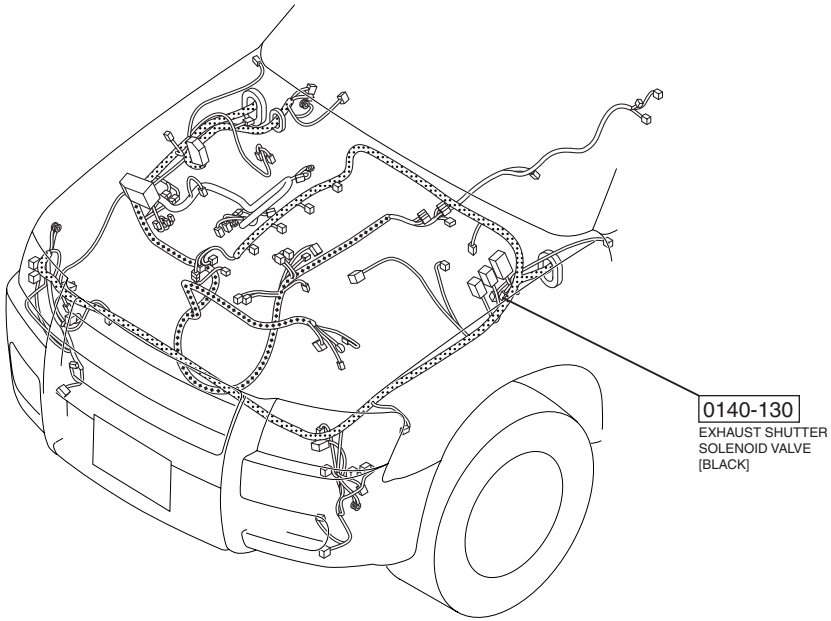
0140-129 ACCELERATOR PEDAL POSITION SENSOR(F)

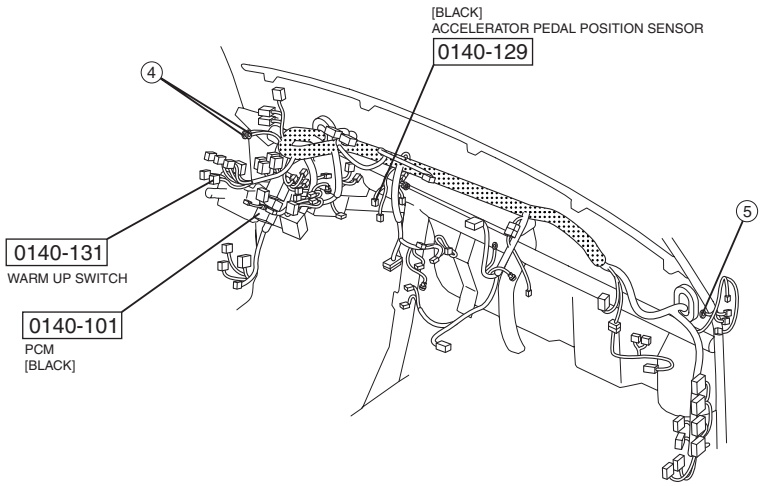
0140-130 EXHAUST SHUTTER SOLENOID VALVE(F)

0140-131 WARM UP SWITCH(F)

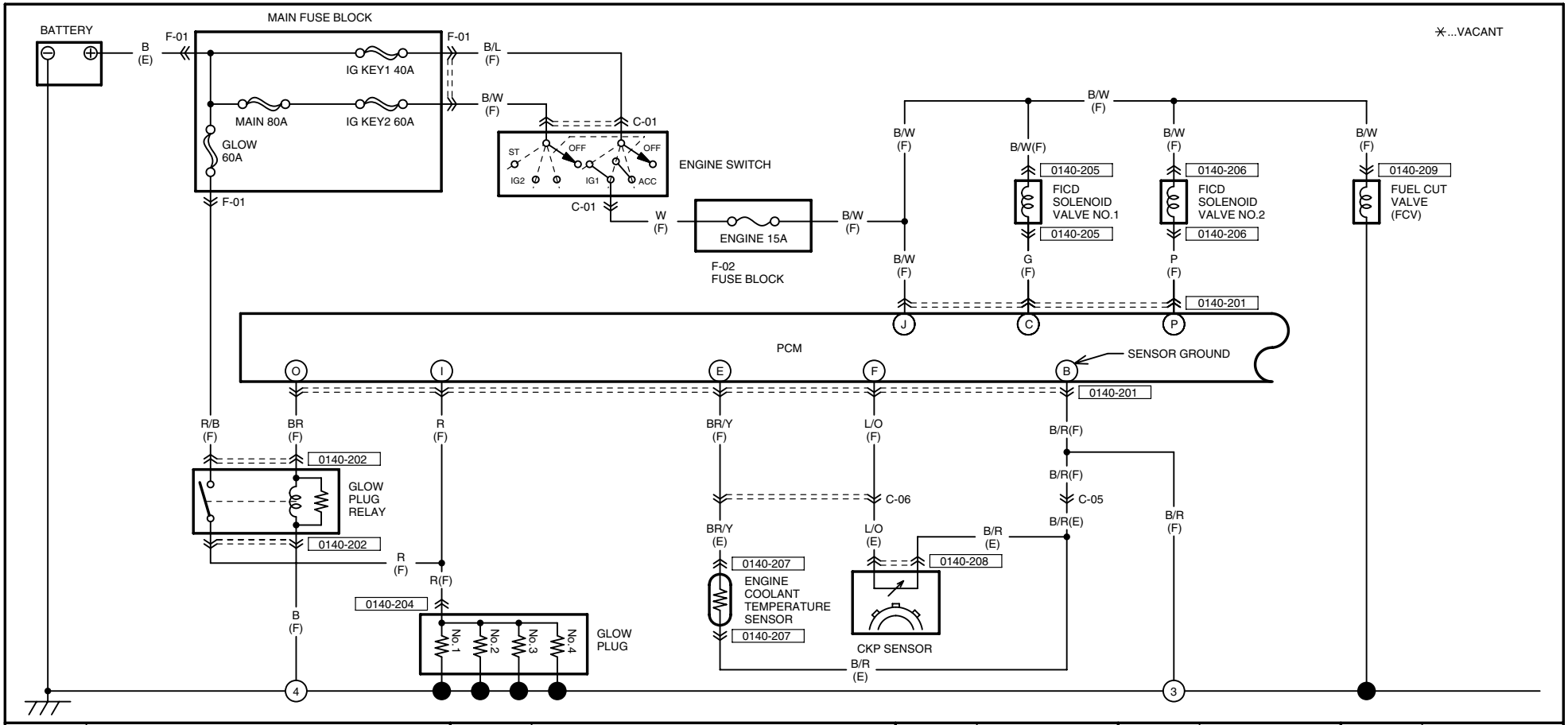
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HARNESS SYMBOL: (F) (E) (R)

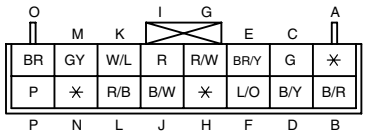




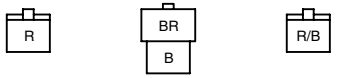
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0140-201 PCM(F)



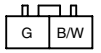
0140-202 GLOW PLUG RELAY(F)



0140-204 GLOW PLUG(F)



0140-205 FICD SOLENOID VALVE NO.1(F)



0140-206 FICD SOLENOID VALVE NO.2(F)



0140-207 ENGINE COOLANT TEMPERATURE SENSOR(E)



0140-208 CKP SENSOR(E)

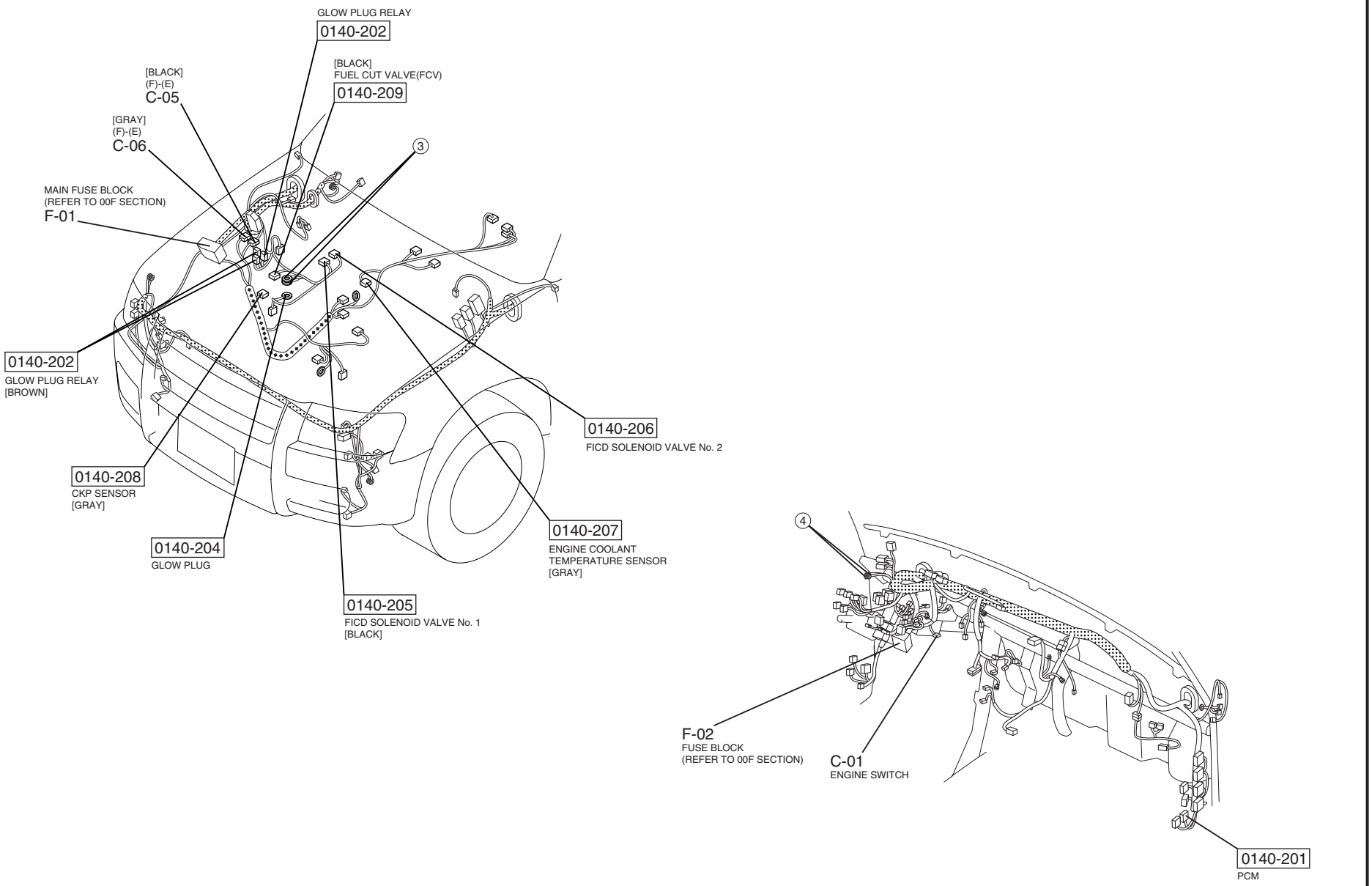


0140-209 FUEL CUT VALVE (FCV)(F)



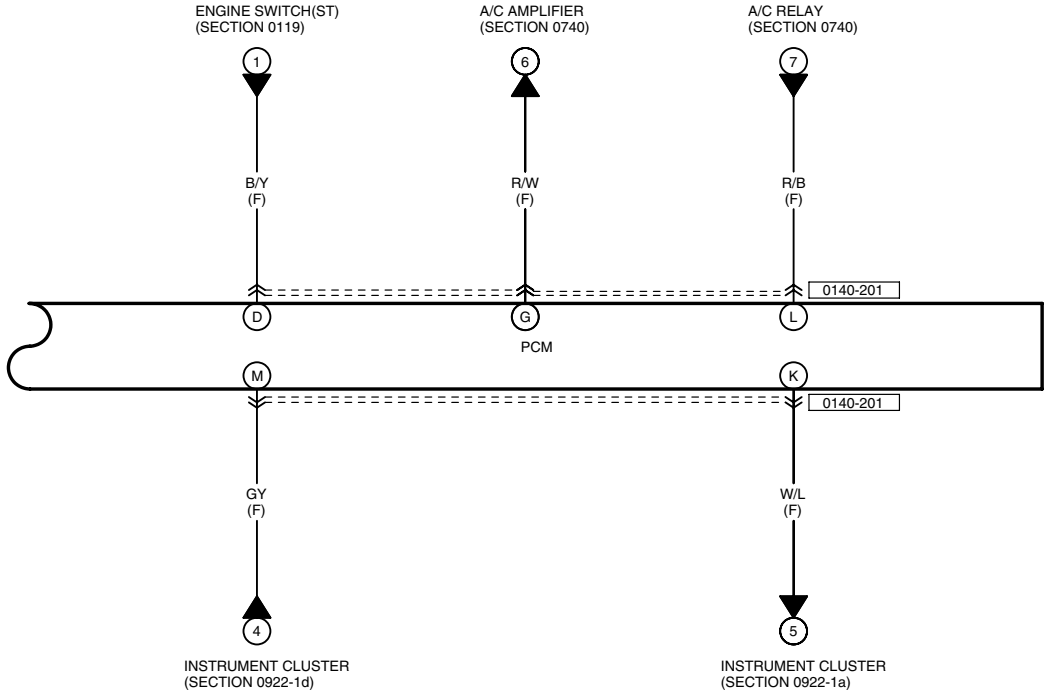
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HARNESS SYMBOL: (F) (E) (R)

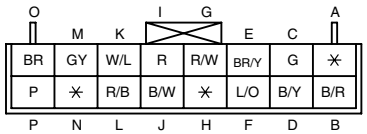


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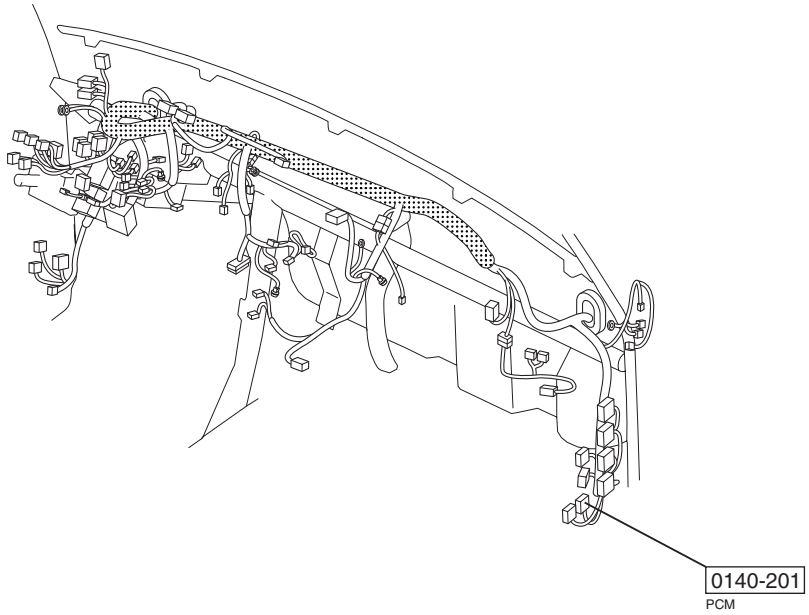


0140-201 PCM(F)

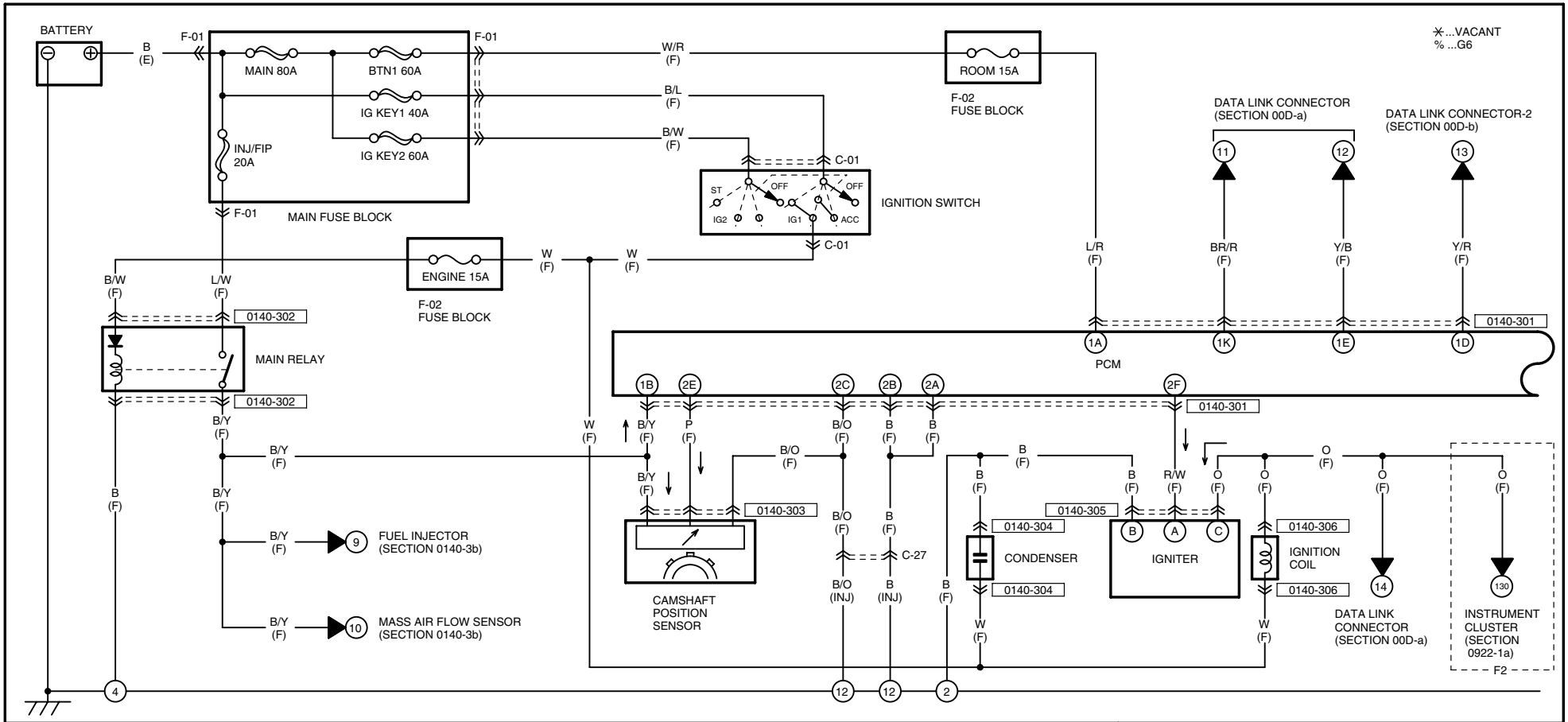


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HARNESS SYMBOL: (F) (E) (R)



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0140-301 PCM(F)

1U	1S	1Q	1O	1M	1K	1I	1G	1E	1C	1A
✳	✳	R/G	W/G	G/R	BR/R	✳	✳	Y/B	✳	L/R
G/B	✳	✳%B/L	BR	V	✳%B	R/B	L/O	✳	Y/R	B/Y
1V	1T	1R	1P	1N	1L	1J	1H	1F	1D	1B

2Y	2W	2U	2S	2Q	2O	2M	2K	2I	2G	2E	2C	2A
✳	L/W	LG/R	✳	G/W	G/B	G/Y	BR/W	✳	✳	P	B/O	B
✳%W/L	L/Y	LG/B	L	✳	✳	W	G	✳	✳	R/W	BR/B	B
2Z	2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B

2A — 2B

0140-302 MAIN RELAY(F)

L/W	B/W
B/Y	B

0140-303 CAMSHAFT POSITION SENSOR(F)

✳	P	B/Y	B/O

0140-304 CONDENSER(F)

B	W

0140-305 IGNITER(F)

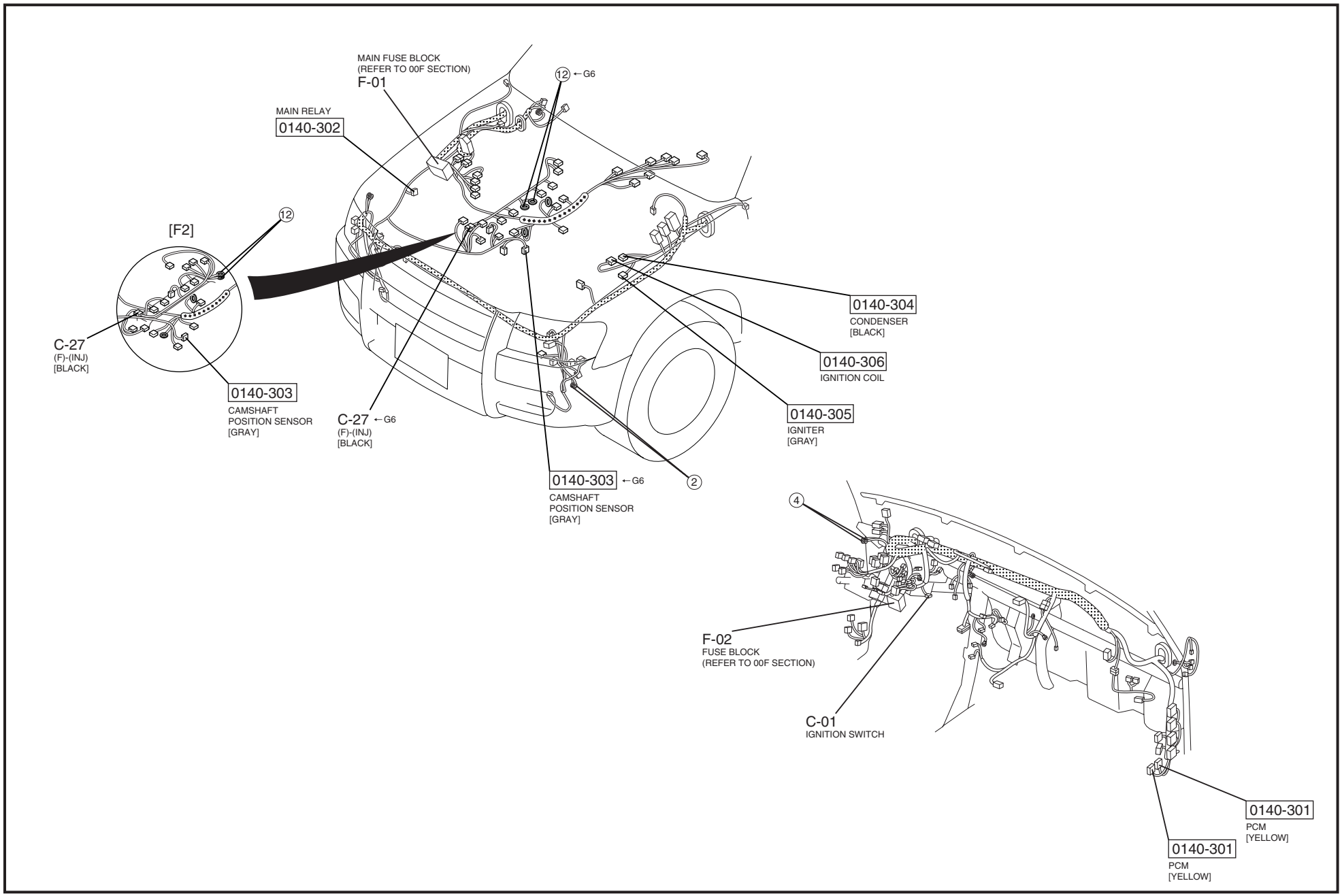
C	B	A
O	B	R/W

0140-306 IGNITION COIL(F)

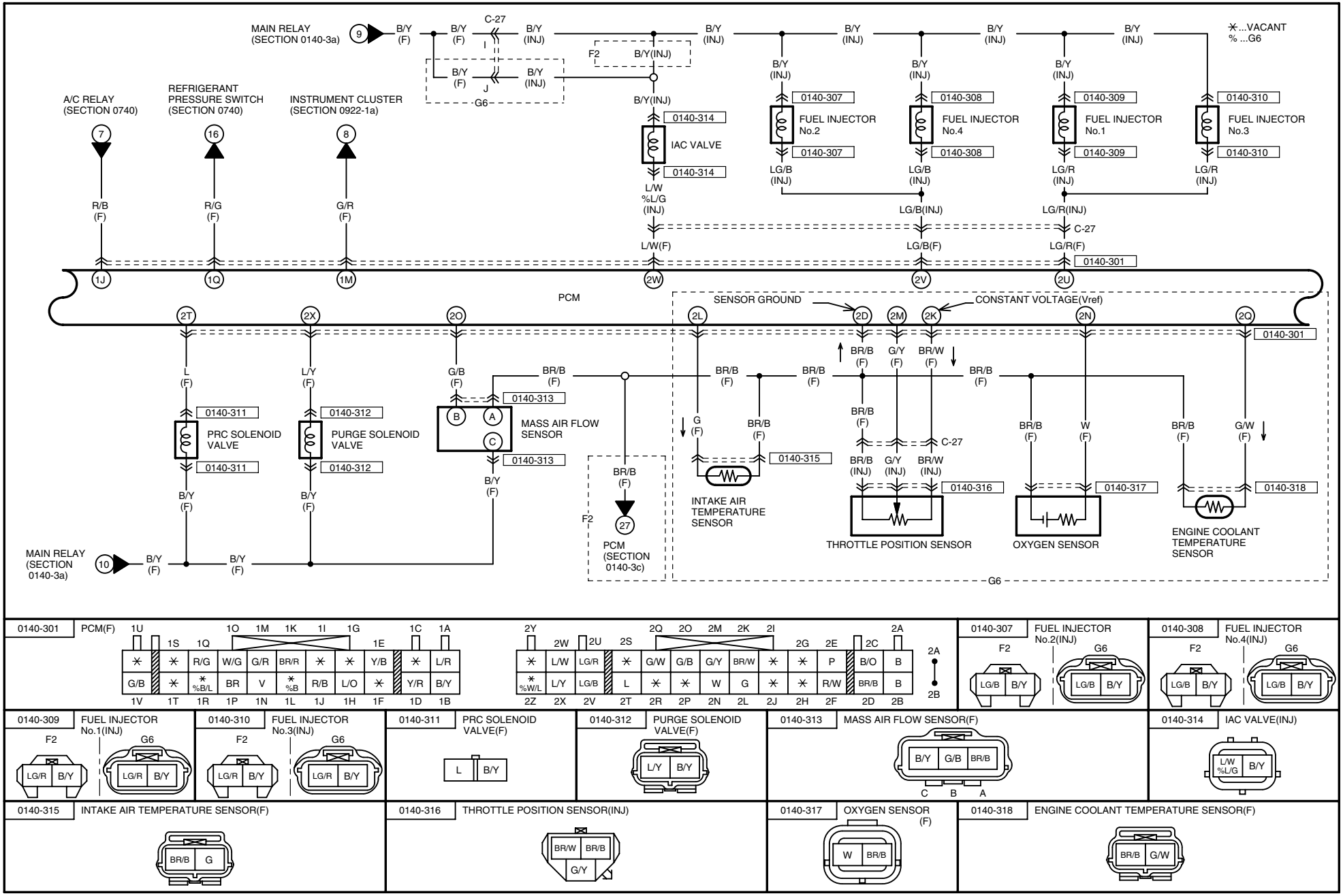
W	O

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HARNESS SYMBOL: (F) (E) (R)

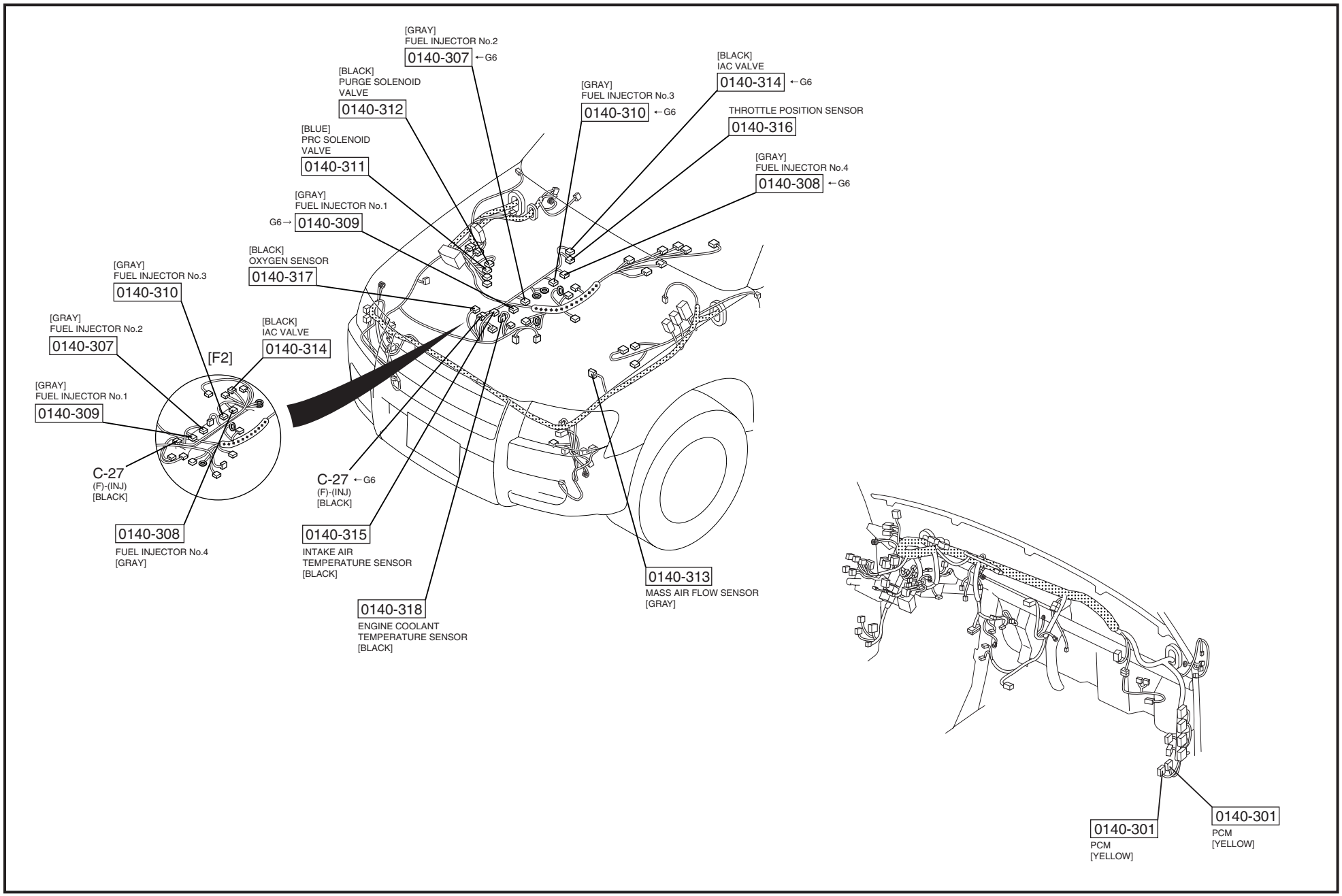


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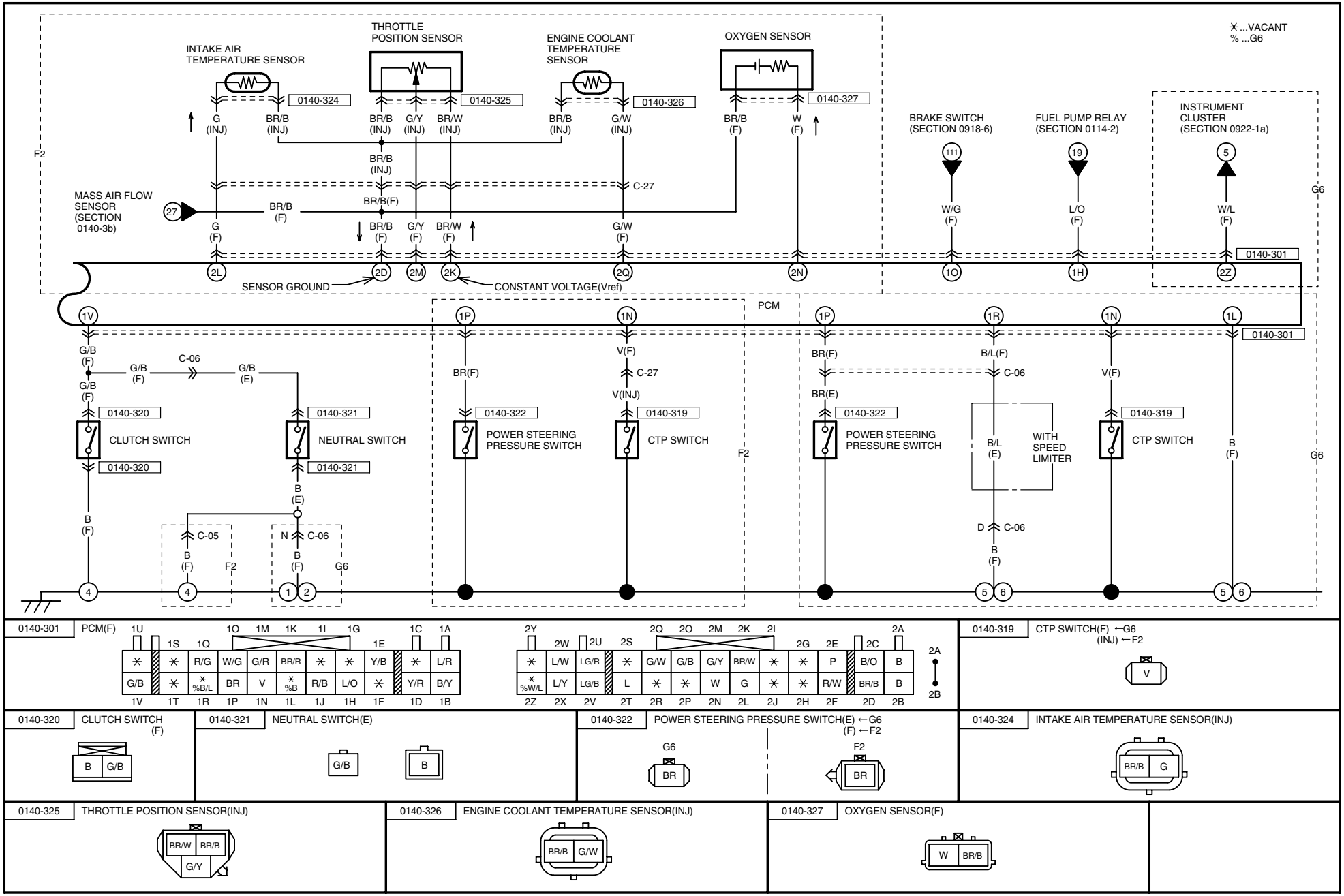


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HARNESS SYMBOL: (F) (E) (R)

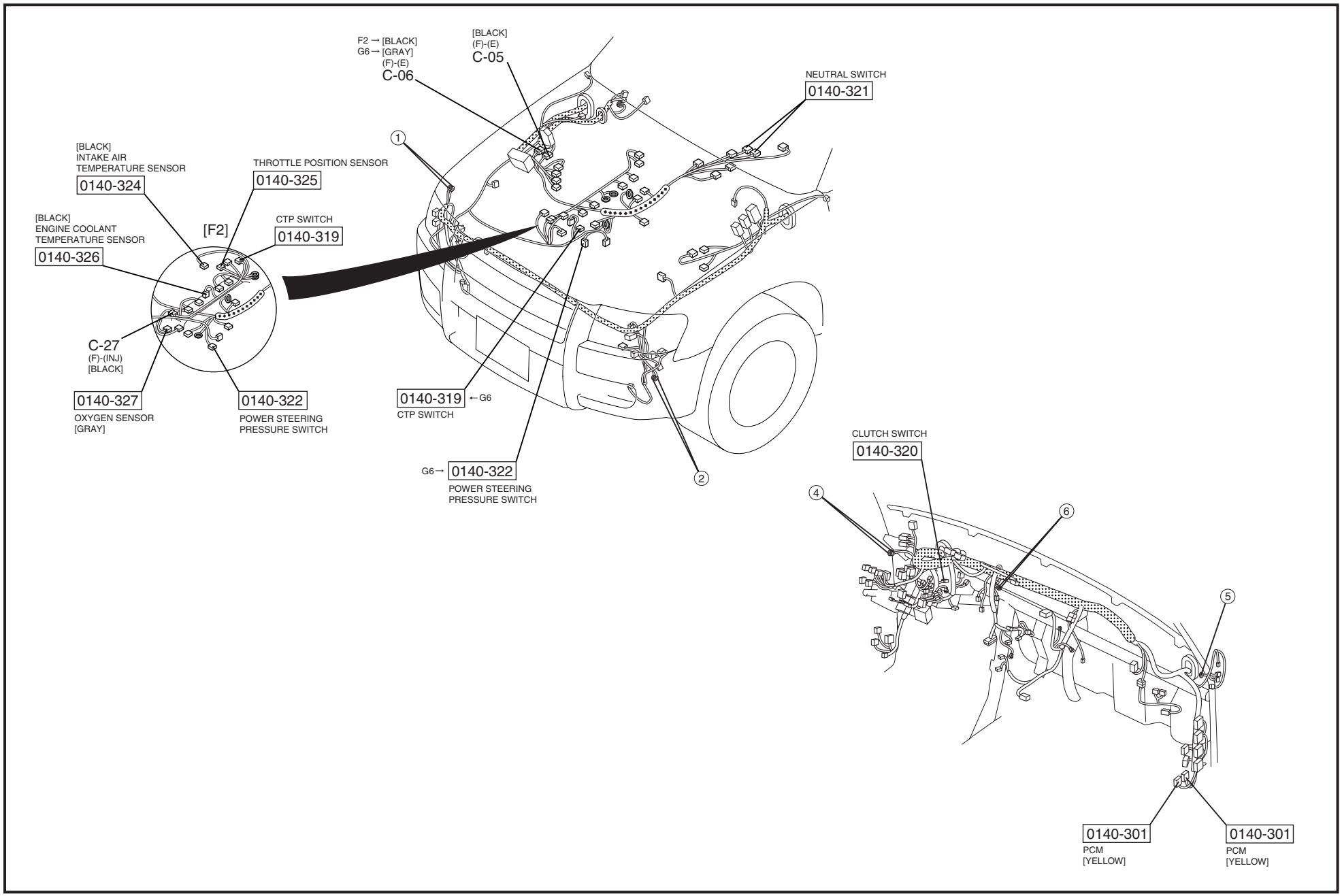


www.truck-freeworkshop.com



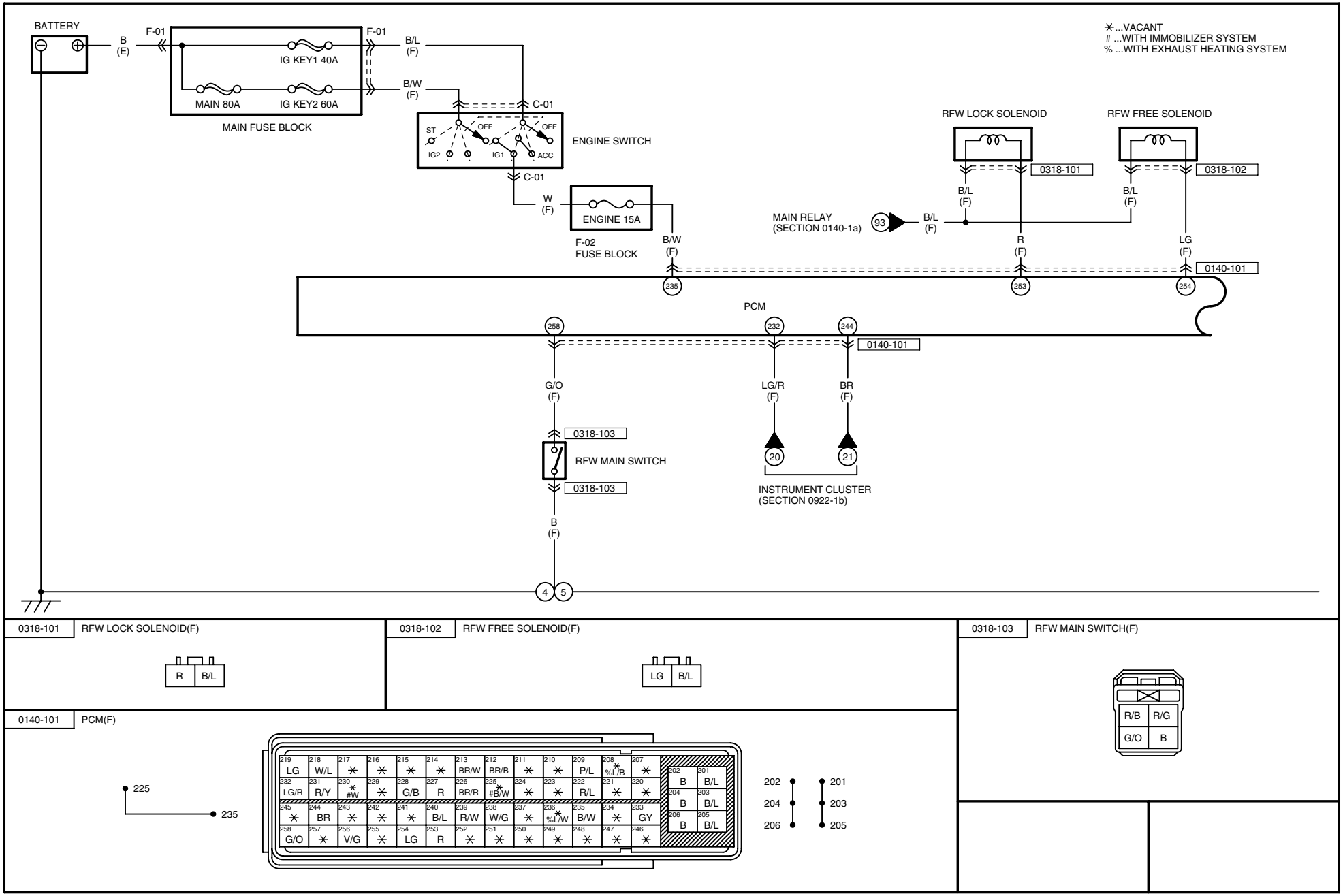
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HARNESS SYMBOL: (F) (E) (R)



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REMOTE FREEWHEEL CONTROL SYSTEM (WL-C, WE-C)



0318-101 RFW LOCK SOLENOID(F)

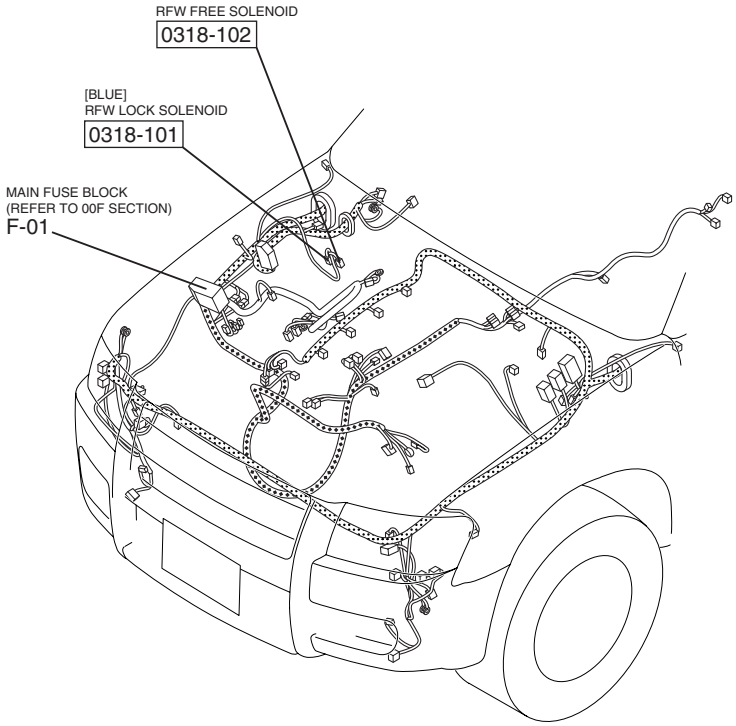
0318-102 RFW FREE SOLENOID(F)

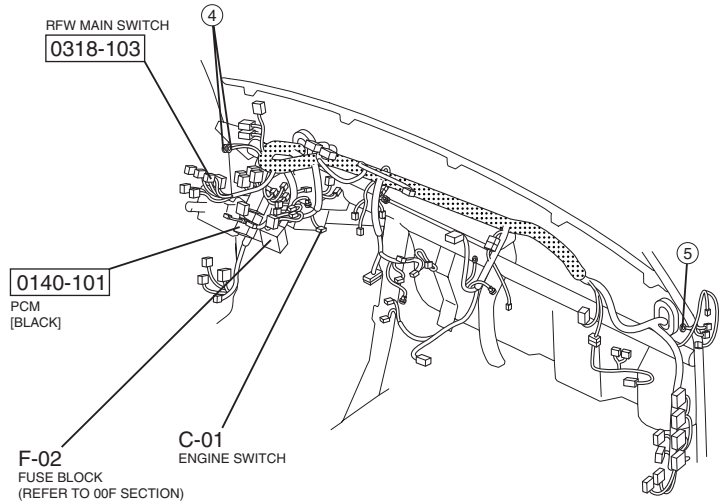
0318-103 RFW MAIN SWITCH(F)

0140-101 PCM(F)

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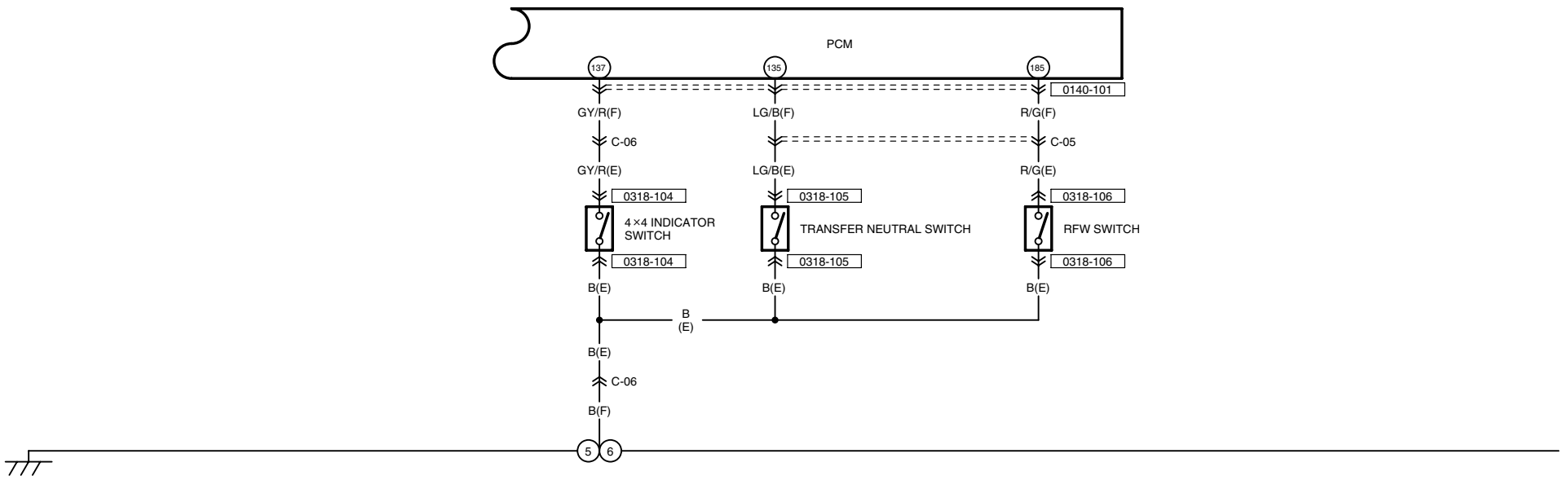
HARNESS SYMBOL: (F) (E) (R)



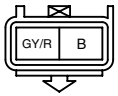


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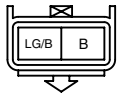
✳...VACANT



0318-104 4×4 INDICATOR SWITCH(E)



0318-105 TRANSFER NEUTRAL SWITCH(E)



0318-106 RFW SWITCH(E)

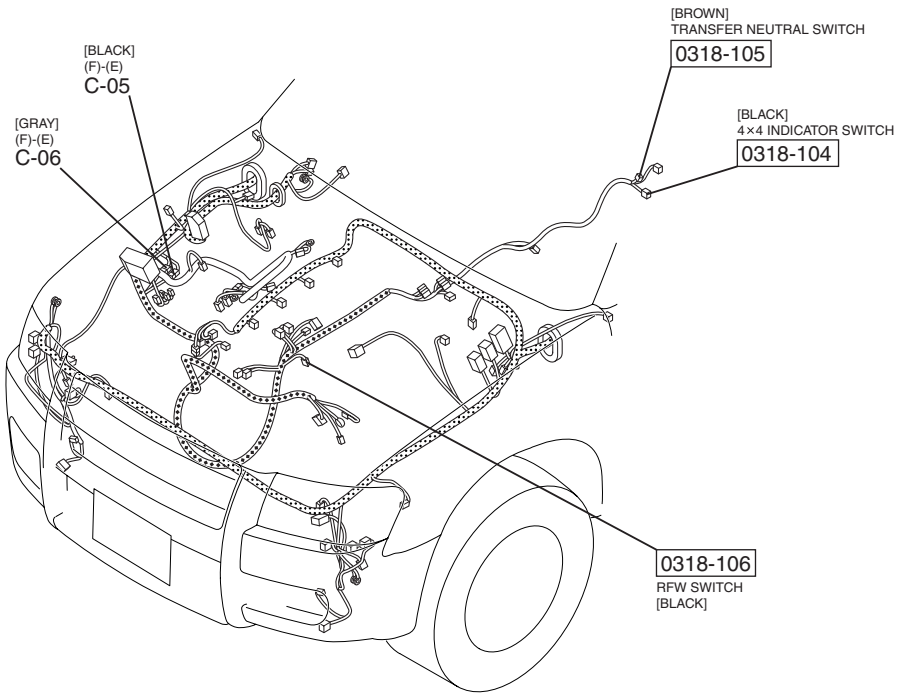


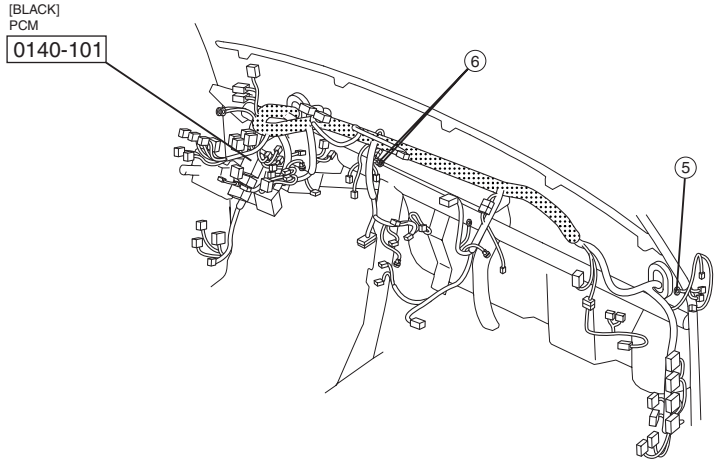
0140-101 PCM(F)

124 ✳	123 ✳	122 ✳	121 ✳	120 ✳	119 ✳	118 ✳	117 ✳	116 B/L	115 L/Y	114 Y	113 ✳	112 ✳	111 B/Y	110 R/G	109 LG/R	108 ✳	107 ✳	106 L/W	105 ✳	104 ✳	103 ✳	102 R	101 LG
148 ✳	147 ✳	146 ✳	145 ✳	144 ✳	143 ✳	142 ✳	141 GY/L	140 W/L	139 ✳	138 ✳	137 GY/R	136 ✳	135 LG/B	134 ✳	133 V/R	132 ✳	131 ✳	130 ✳	129 B/W	128 R/B	127 ✳	126 BR/W	125 P
172 ✳	171 P	170 W	169 V/Y	168 ✳	167 L/O	166 ✳	165 ✳	164 ✳	163 ✳	162 ✳	161 G/W	160 G/Y	159 ✳	158 ✳	157 ✳	156 BR/Y	155 W/R	154 B/O	153 ✳	152 L/B	151 ✳	150 BR	149 W
196 ✳	195 V	194 BR	193 L	192 G	191 O	190 BR/W	189 R/Y	188 GY	187 ✳	186 ✳	185 R/G	184 G/R	183 ✳	182 BR	181 W/G	180 ✳	179 L/R	178 Y/B	177 R/W	176 LG/B	175 ✳	174 V	173 B/Y

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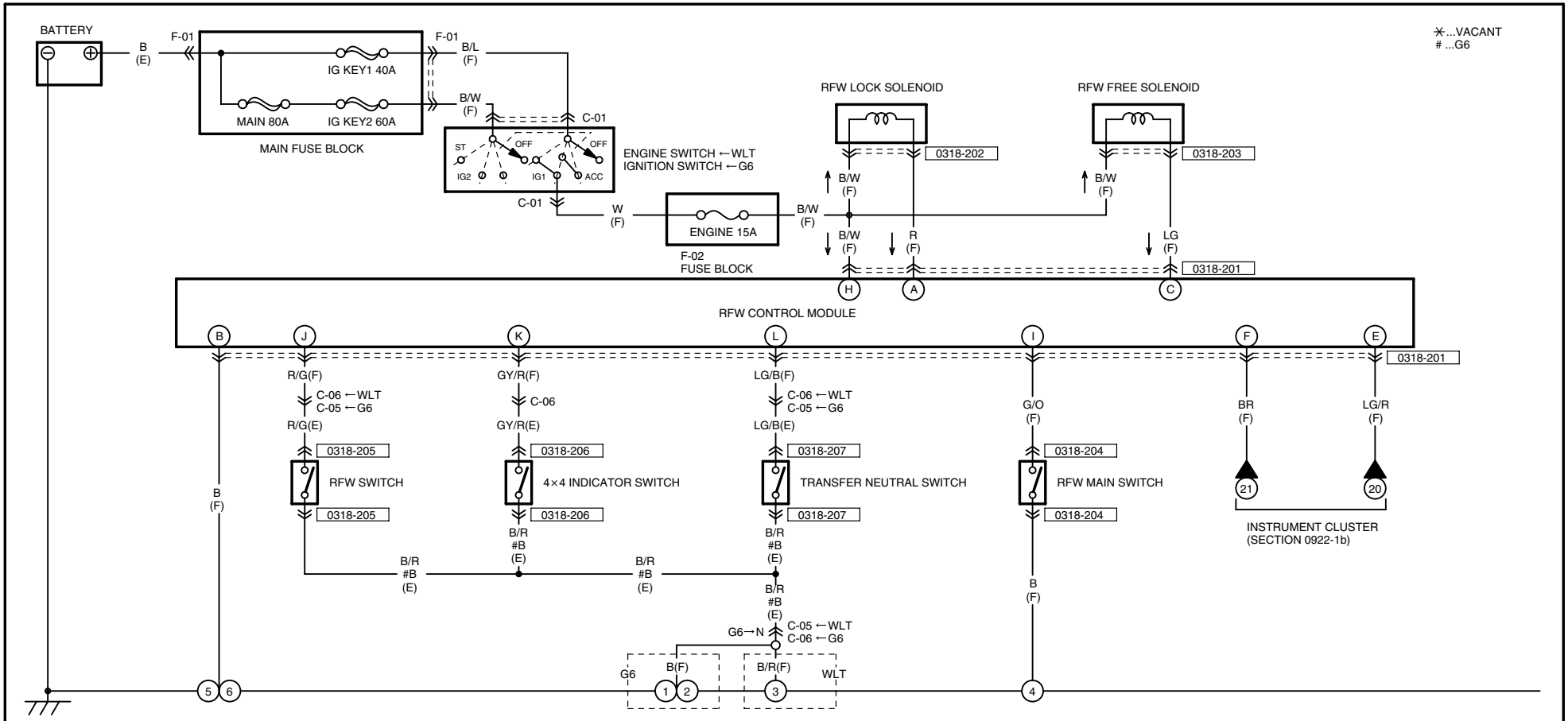
HARNESS SYMBOL: (F) (E) (R)





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REMOTE FREEWHEEL CONTROL SYSTEM (WLT, G6)



0318-201 RFW CONTROL MODULE(F)

K	I		E	C	A
GY/R	G/O		LG/R	LG	R
LG/B	R/G	B/W	BR	✳	B
L	J	H	F	D	B

0318-202 RFW LOCK SOLENOID(F)

R	B/W

0318-203 RFW FREE SOLENOID(F)

LG	B/W

0318-204 RFW MAIN SWITCH(F)

R/B	R/G
G/O	B

0318-205 RFW SWITCH(E)

R/G
B/R #B

0318-206 4×4 INDICATOR SWITCH(E)

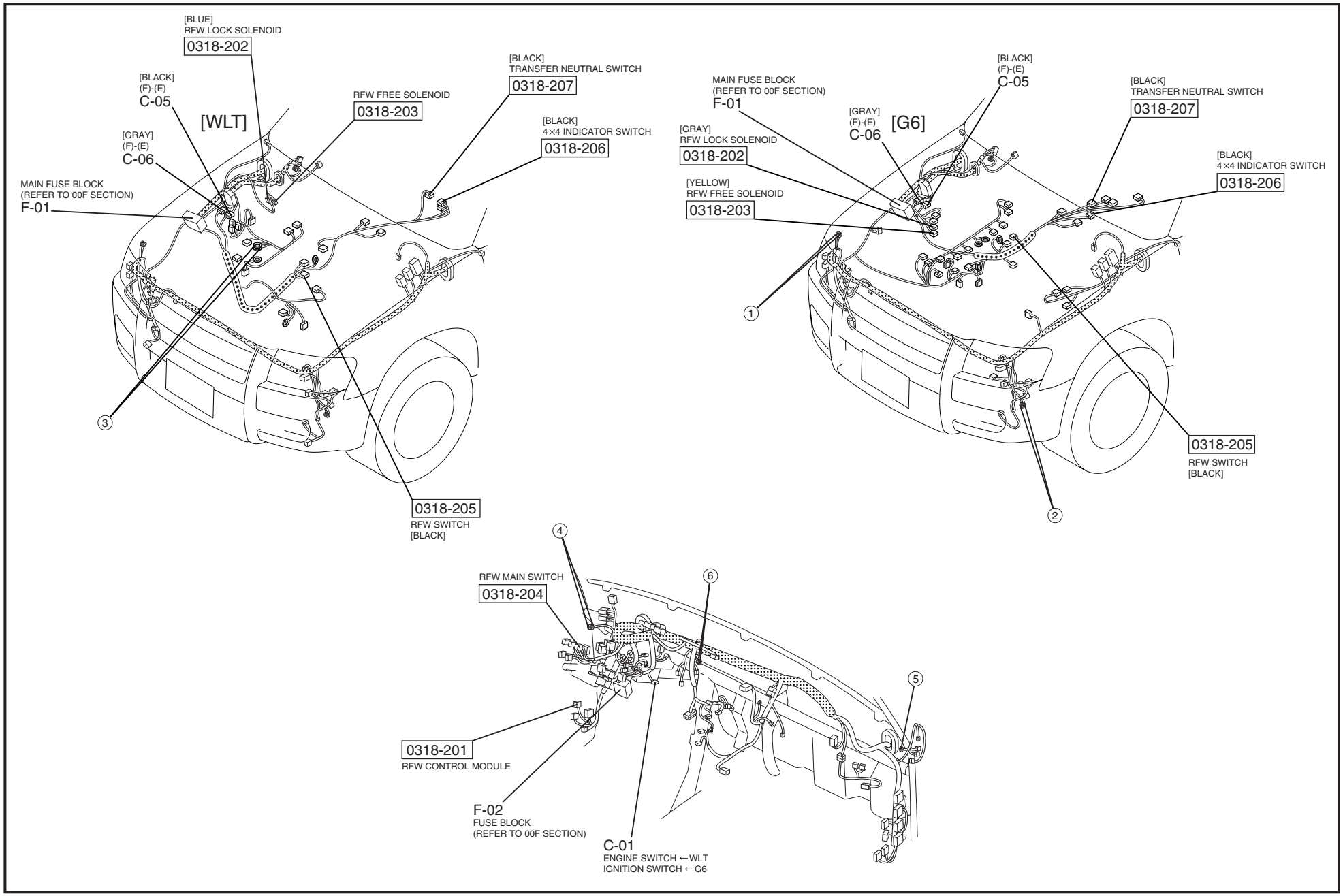
B/R #B	GY/R

0318-207 TRANSFER NEUTRAL SWITCH(E)

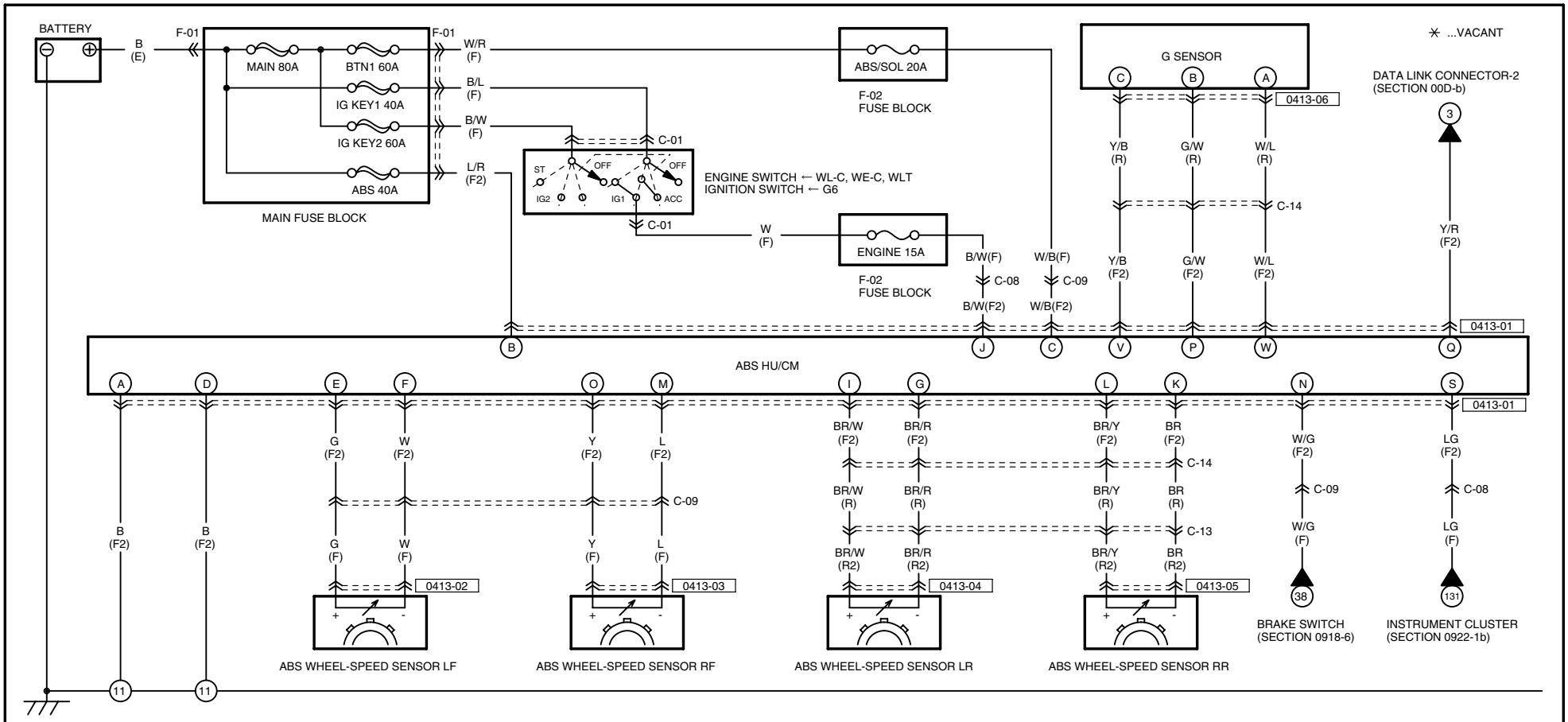
B/R #B	LG/B

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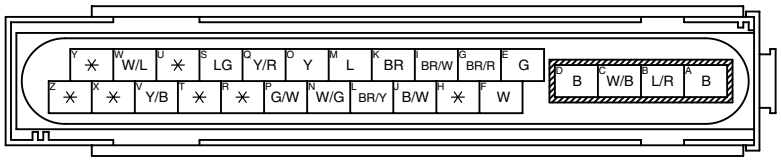
HARNESS SYMBOL: (F) (E) (R)



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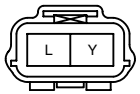
0413-01 ABS HU/CM(F2)



0413-02 ABS WHEEL-SPEED SENSOR LF(F)



0413-03 ABS WHEEL-SPEED SENSOR RF(F)



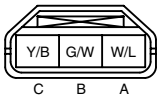
0413-04 ABS WHEEL-SPEED SENSOR LR(R2)



0413-05 ABS WHEEL-SPEED SENSOR RR(R2)

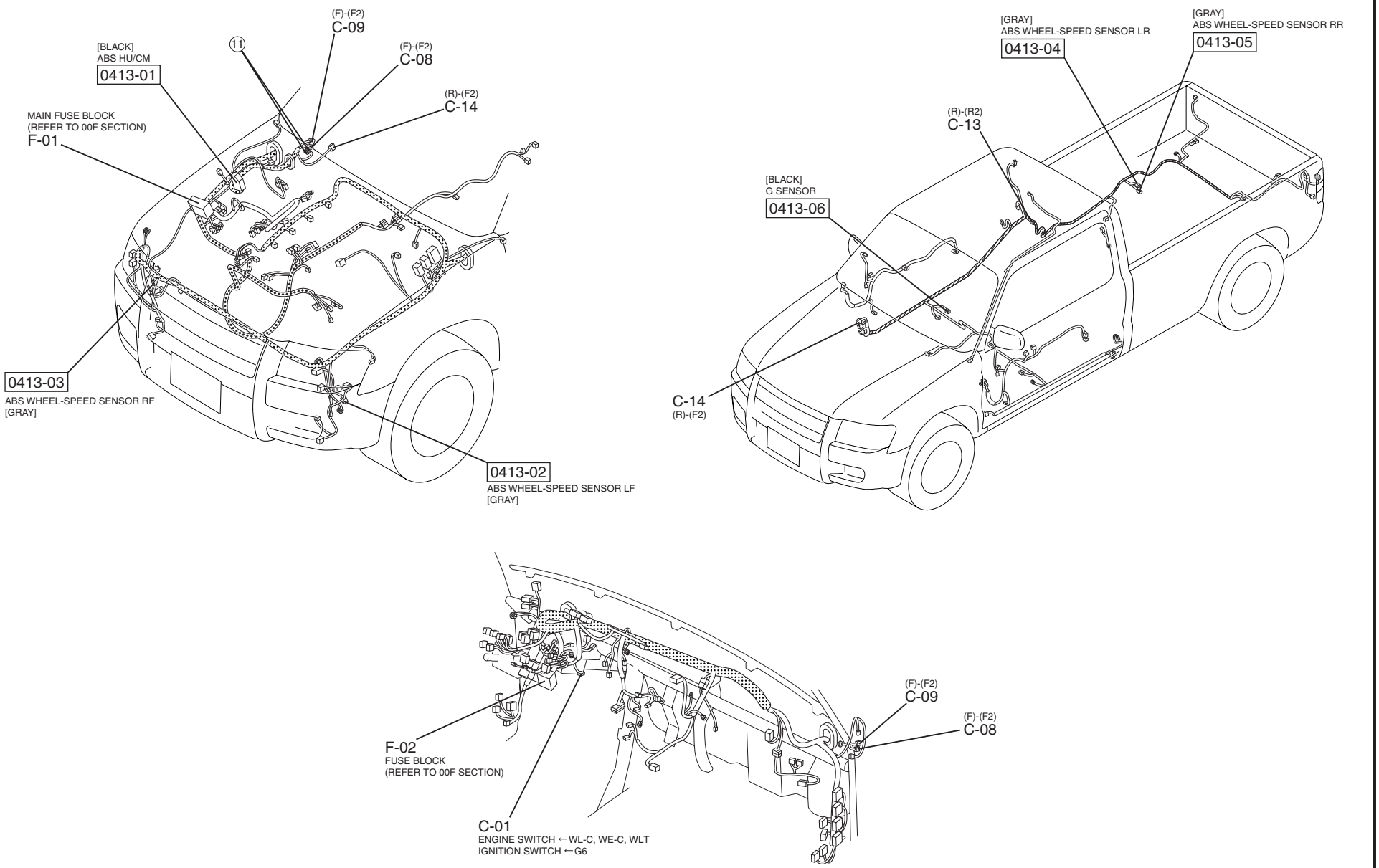


0413-06 G SENSOR(R)

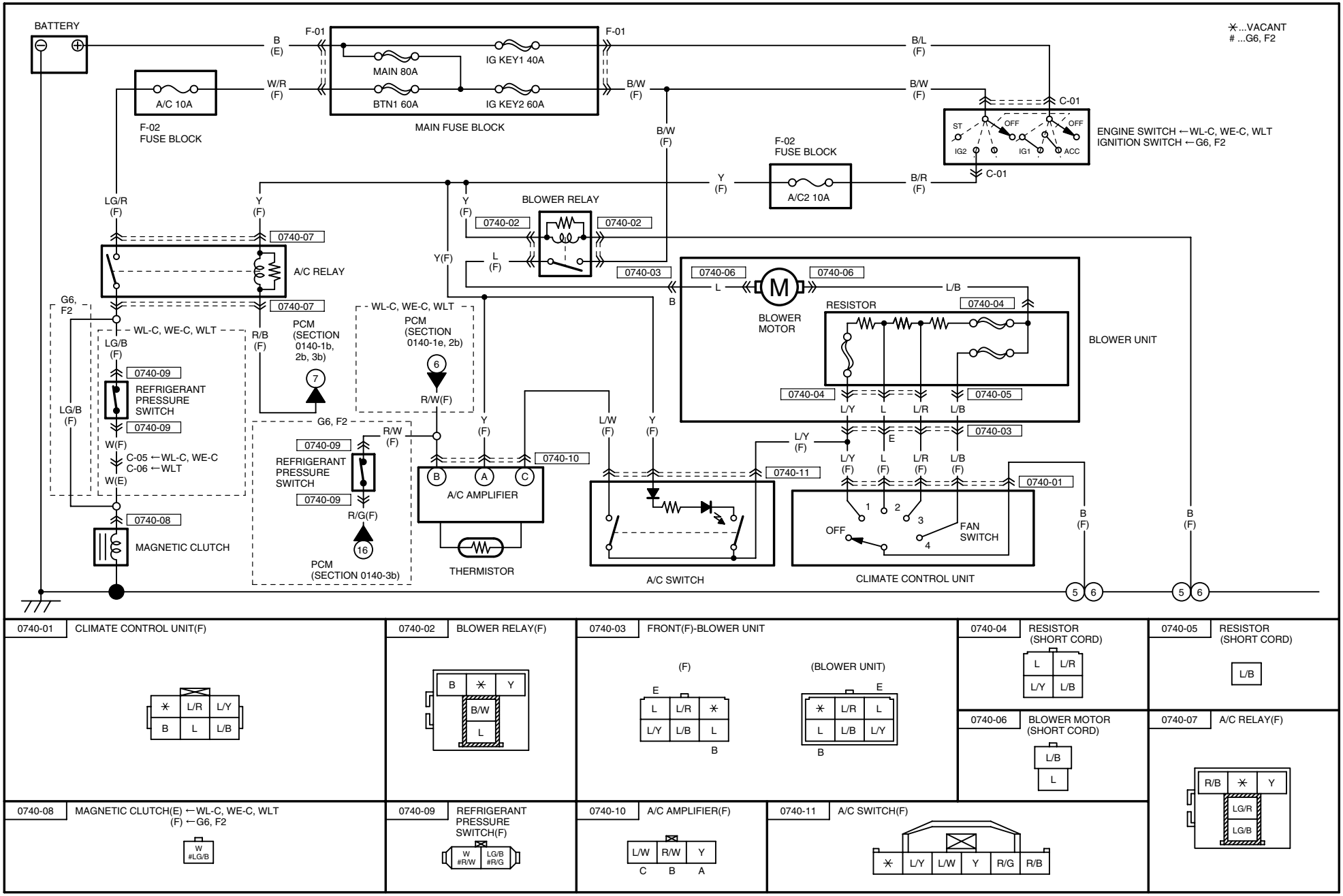


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HARNESS SYMBOL: (F) (E) (R)



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0740-01 CLIMATE CONTROL UNIT(F)

0740-02 BLOWER RELAY(F)

0740-03 FRONT(F)-BLOWER UNIT

0740-04 RESISTOR (SHORT CORD)

0740-05 RESISTOR (SHORT CORD)

0740-06 BLOWER MOTOR (SHORT CORD)

0740-07 A/C RELAY(F)

0740-08 MAGNETIC CLUTCH(E) ←WL-C, WE-C, WLT
(F) ←G6, F2

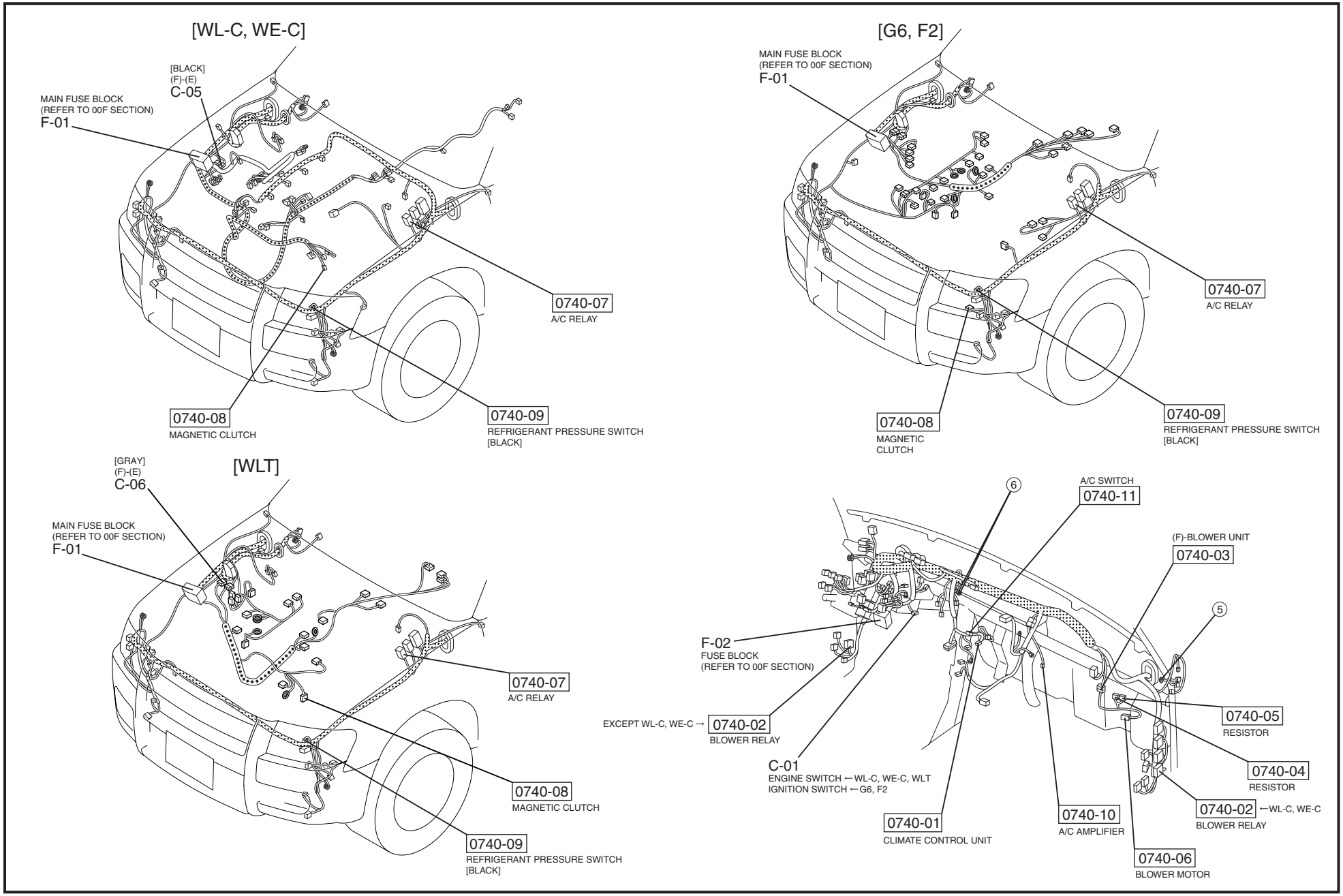
0740-09 REFRIGERANT PRESSURE SWITCH(F)

0740-10 A/C AMPLIFIER(F)

0740-11 A/C SWITCH(F)

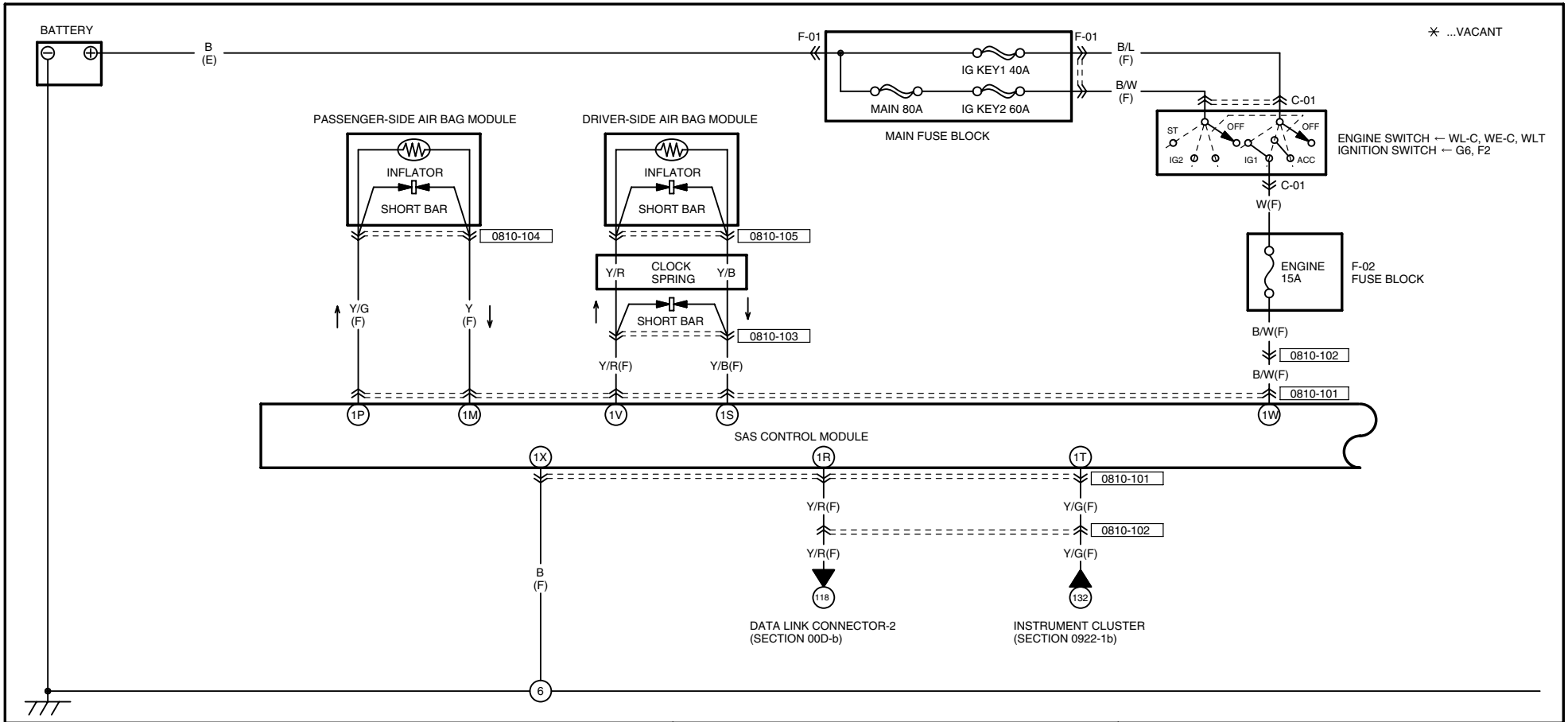
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HARNESS SYMBOL: (F) (E) (R)

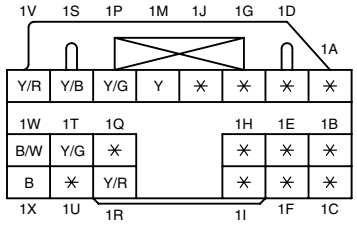


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AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)



0810-101 SAS CONTROL MODULE(F)



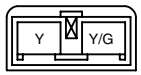
0810-102 SHORT CONNECTOR(F)



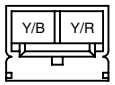
0810-103 FRONT(F)-CLOCK SPRING



0810-104 PASSENGER-SIDE AIR BAG MODULE(F)

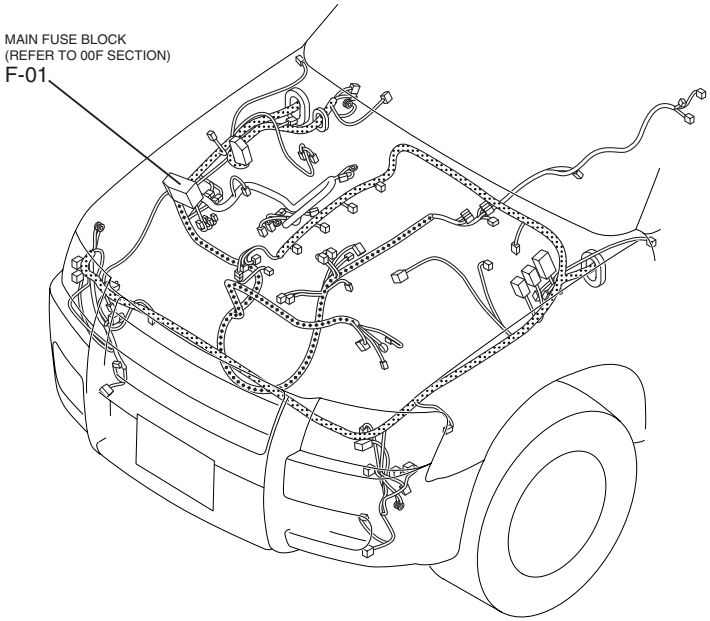


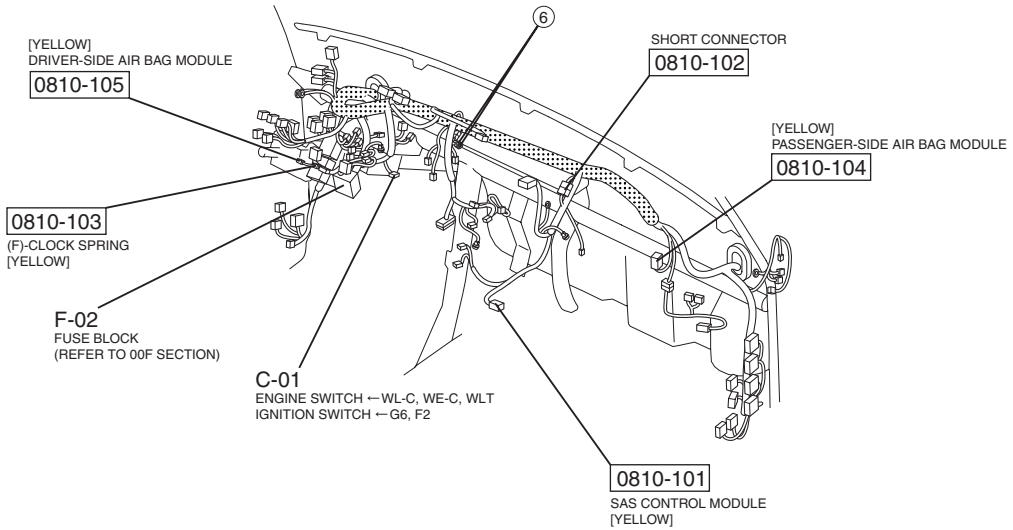
0810-105 DRIVER-SIDE AIR BAG MODULE (CLOCK SPRING)



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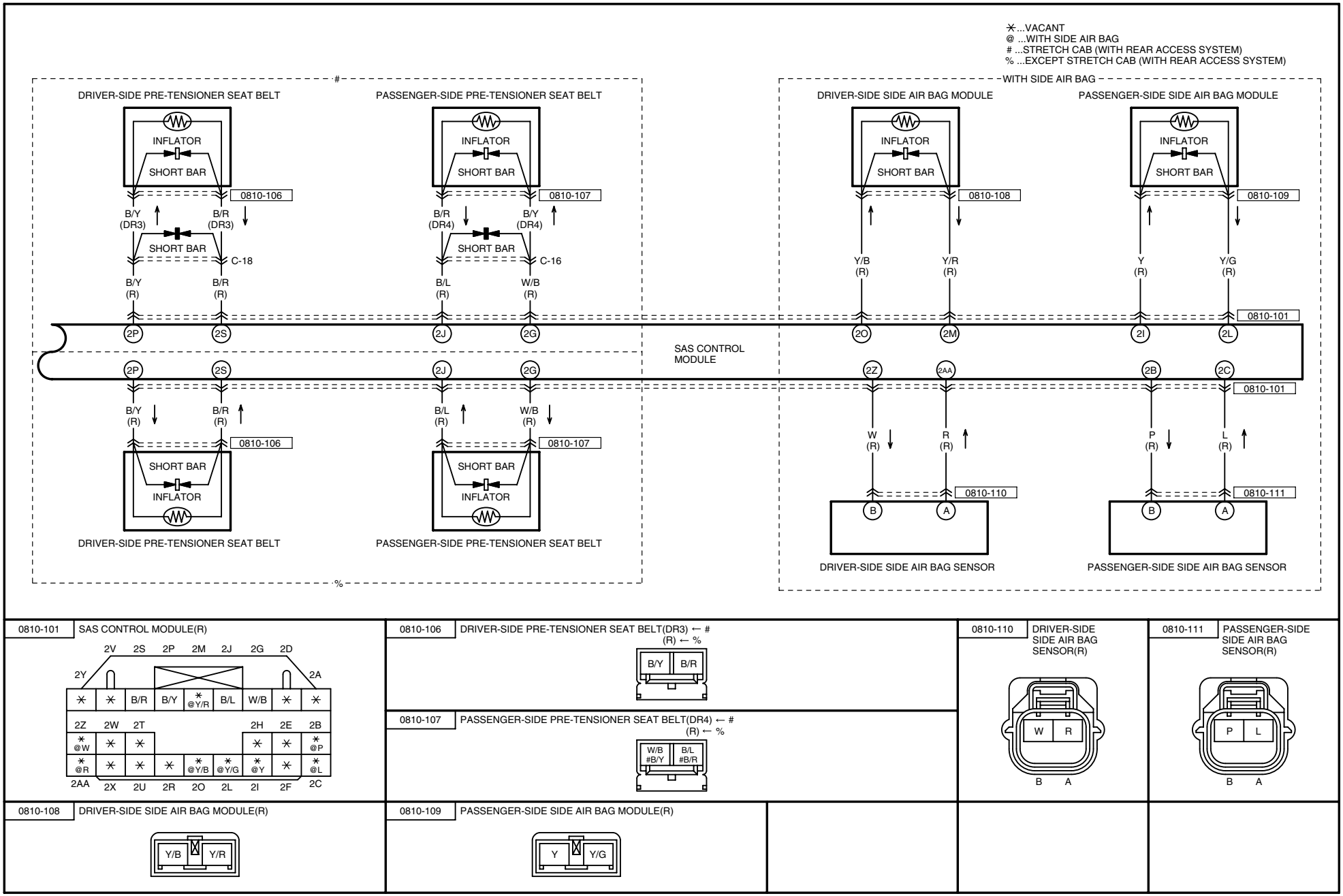
HARNESS SYMBOL: (F) (E) (R)





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AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)



0810-101 SAS CONTROL MODULE(R)

0810-106 DRIVER-SIDE PRE-TENSIONER SEAT BELT(DR3) ← #
(R) ← %

0810-107 PASSENGER-SIDE PRE-TENSIONER SEAT BELT(DR4) ← #
(R) ← %

0810-110 DRIVER-SIDE SIDE AIR BAG SENSOR(R)

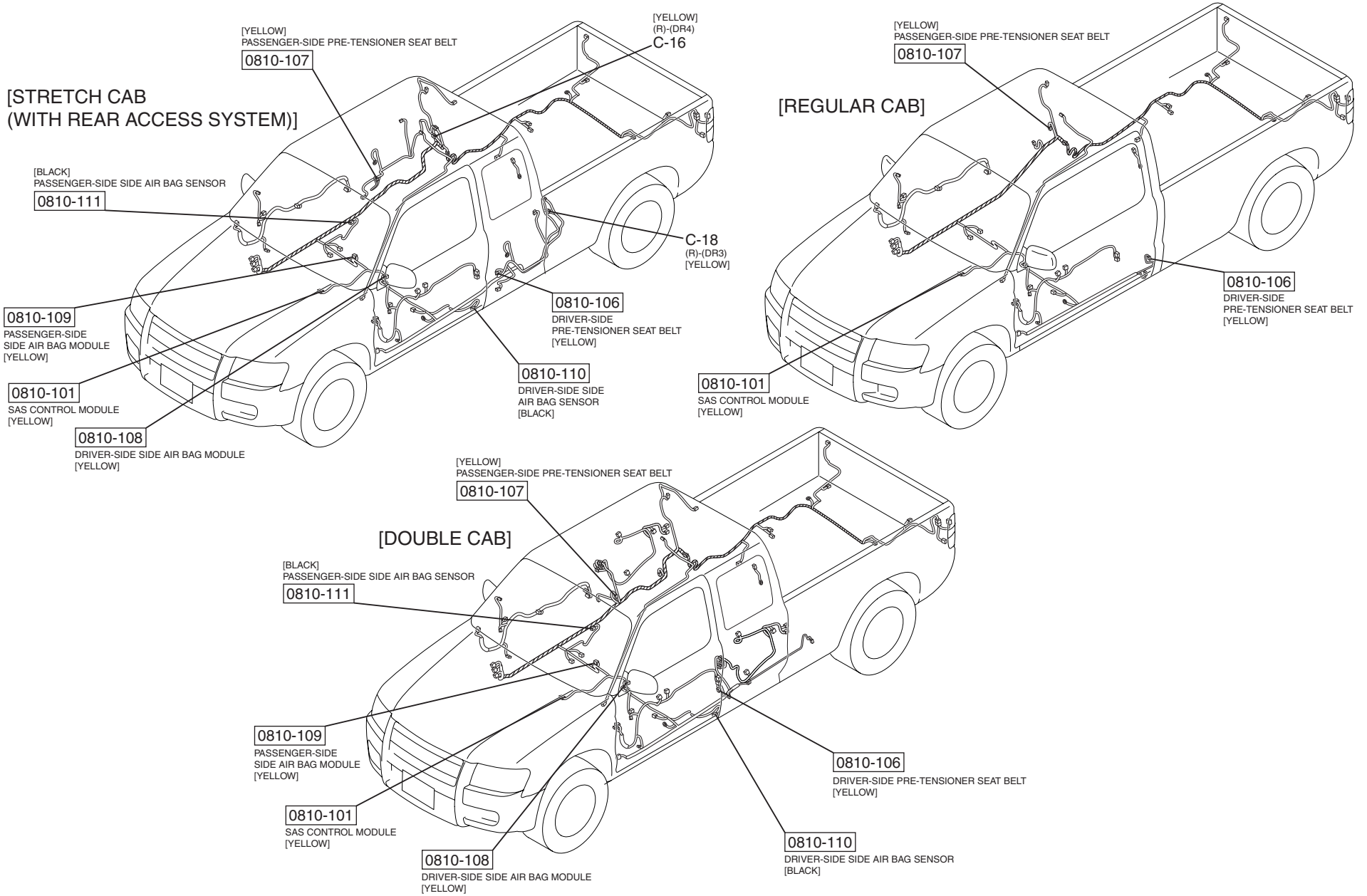
0810-111 PASSENGER-SIDE SIDE AIR BAG SENSOR(R)

0810-108 DRIVER-SIDE SIDE AIR BAG MODULE(R)

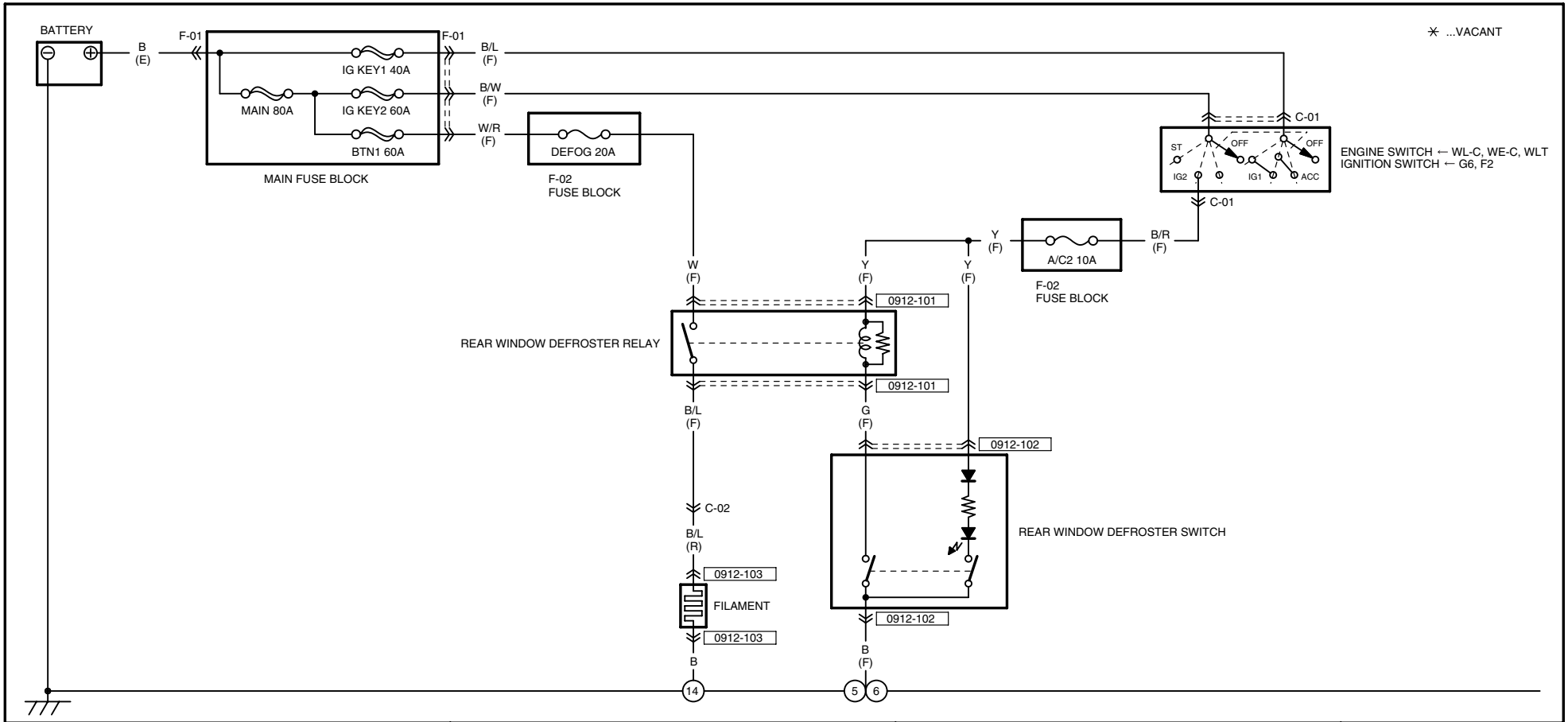
0810-109 PASSENGER-SIDE SIDE AIR BAG MODULE(R)

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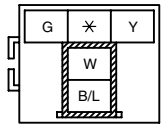
HARNESS SYMBOL: (F) (E) (R)



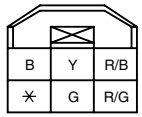
REAR WINDOW DEFROSTER



0912-101	REAR WINDOW DEFROSTER RELAY(F)



0912-102	REAR WINDOW DEFROSTER SWITCH(F)

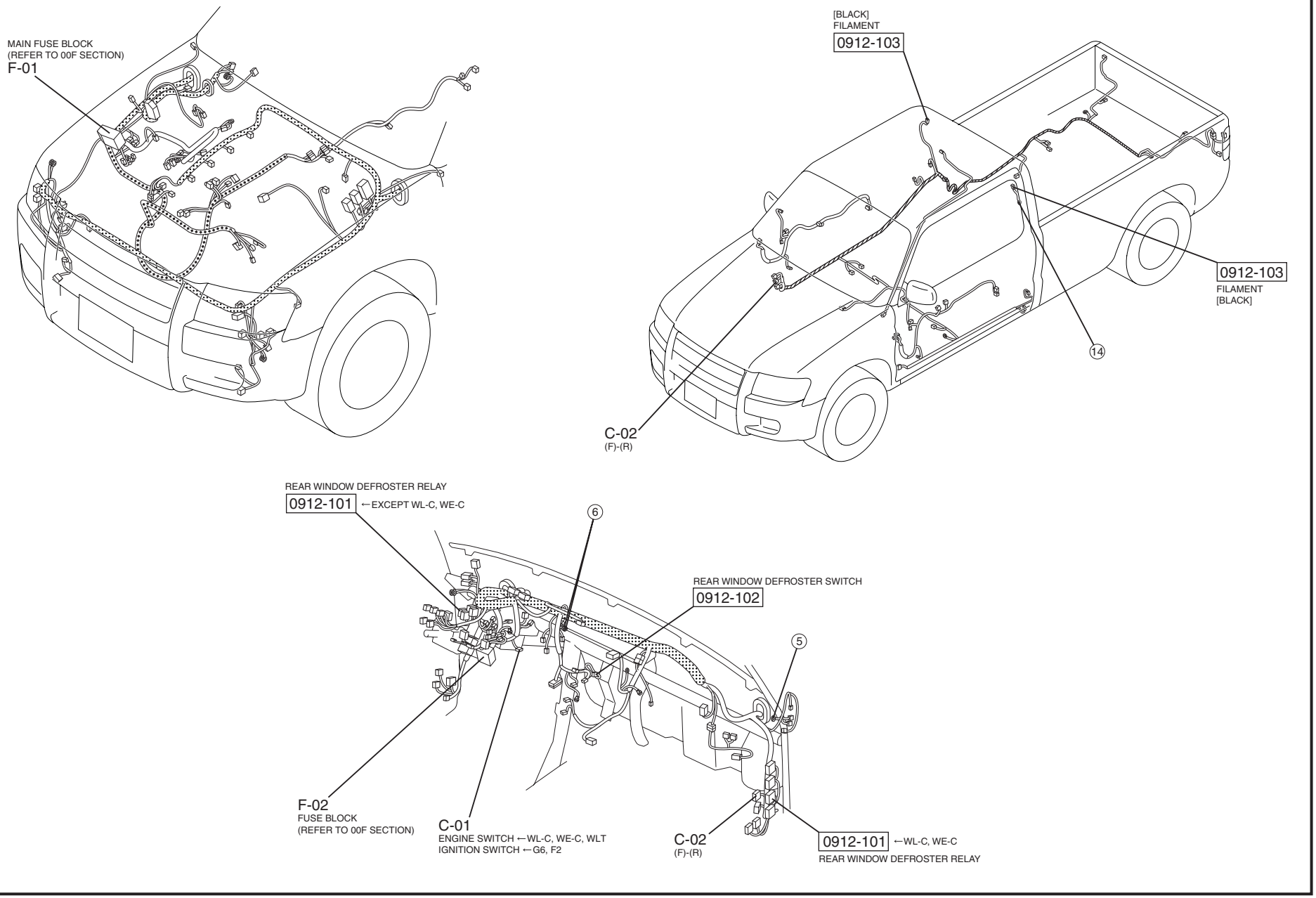


0912-103	FILAMENT



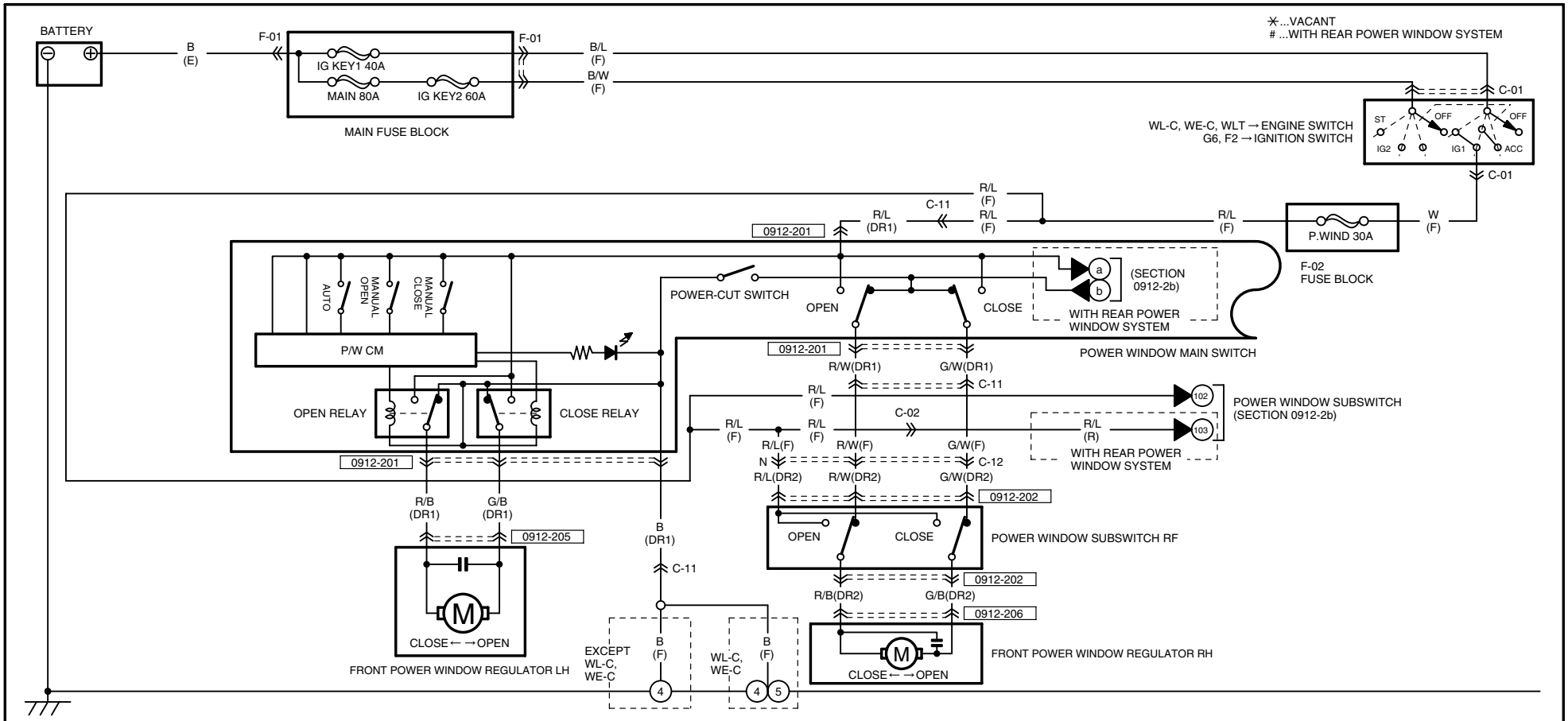
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HARNESS SYMBOL: (F) (E) (R)



77

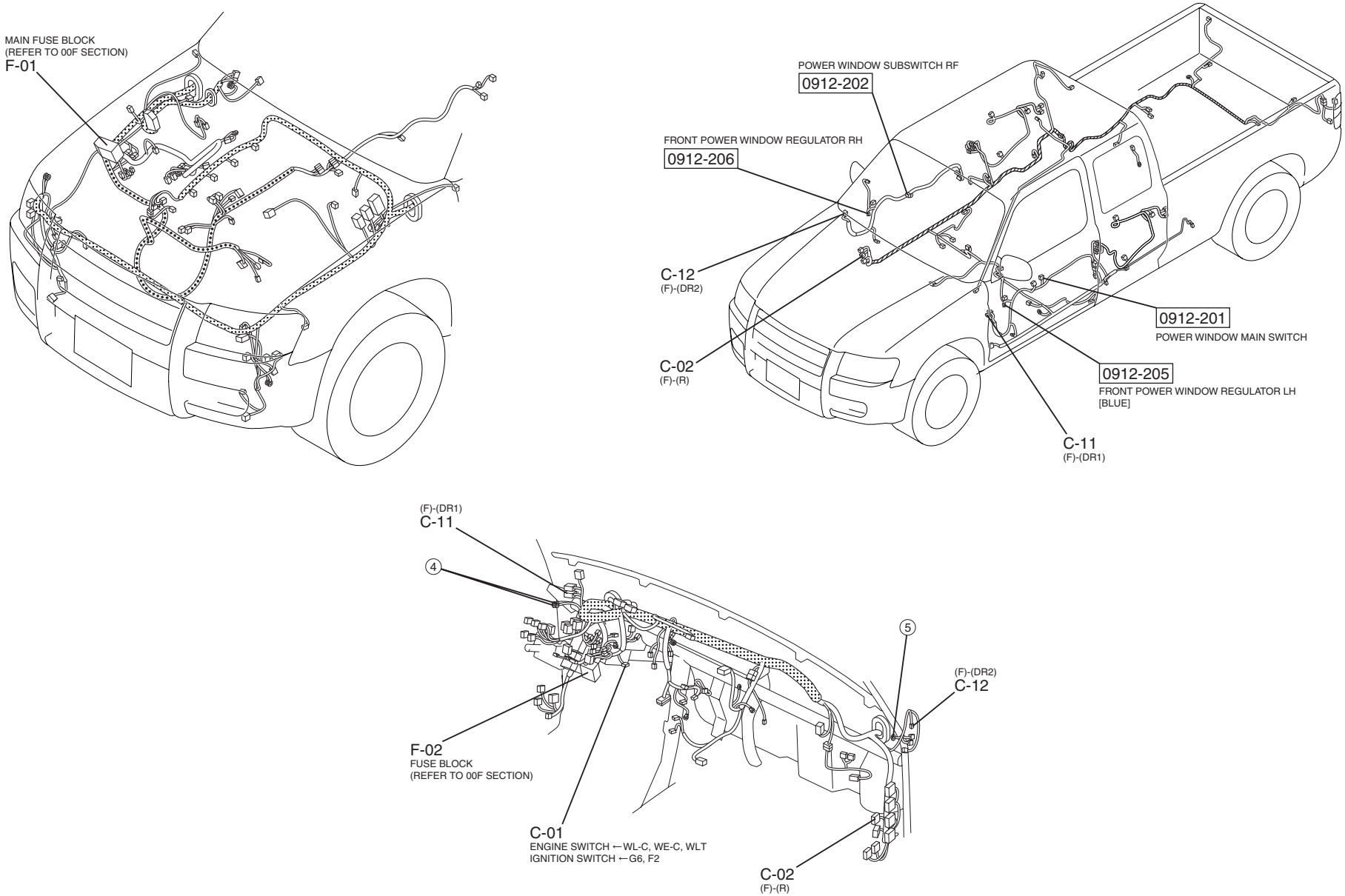
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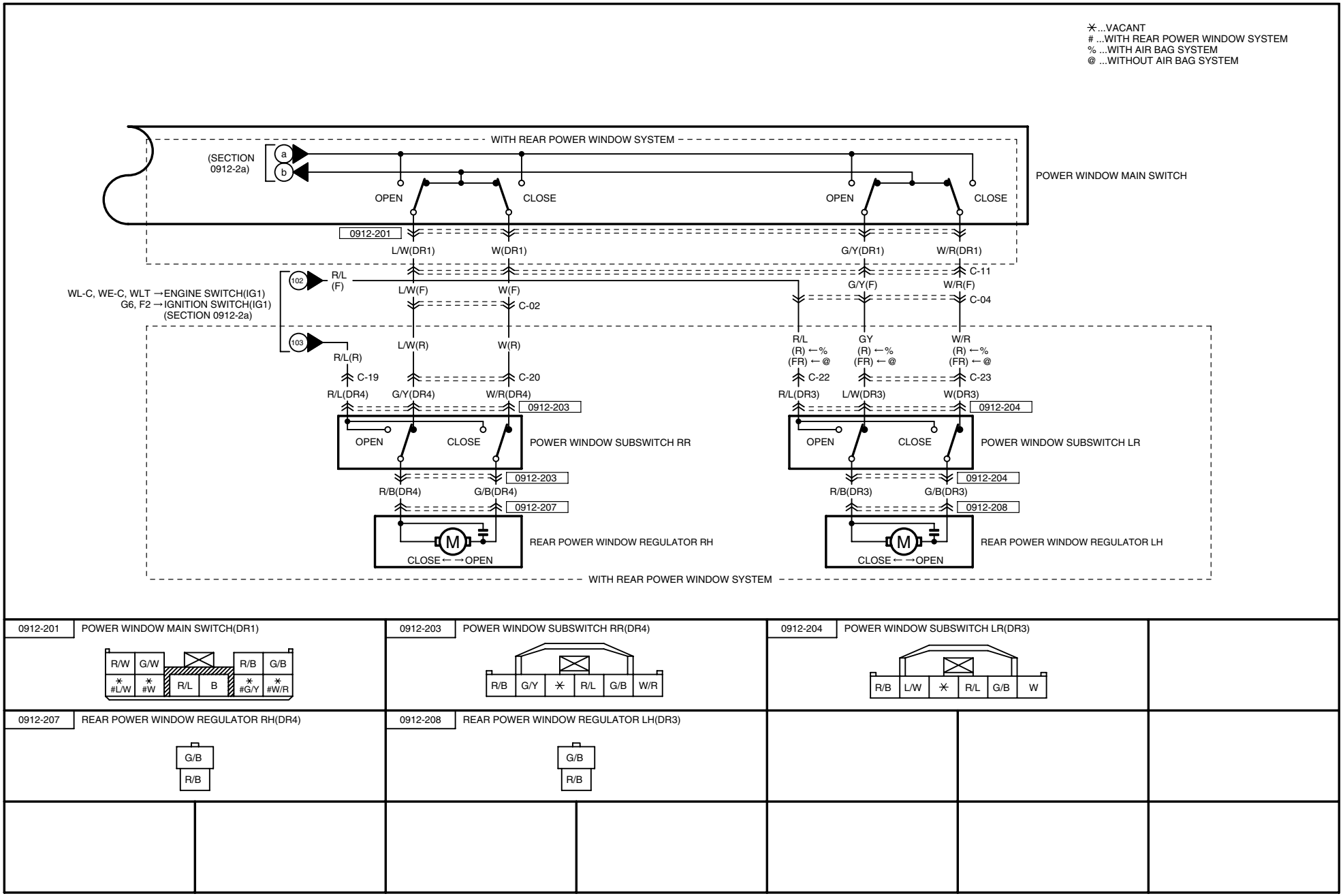
0912-201 POWER WINDOW MAIN SWITCH(DR1)	0912-202 POWER WINDOW SUBSWITCH RF(DR2)	0912-205 FRONT POWER WINDOW REGULATOR LH(DR1)	
0912-206 FRONT POWER WINDOW REGULATOR RH(DR2)			

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HARNESS SYMBOL: (F) (E) (R)



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0912-201 POWER WINDOW MAIN SWITCH(DR1)

0912-203 POWER WINDOW SUBSWITCH RR(DR4)

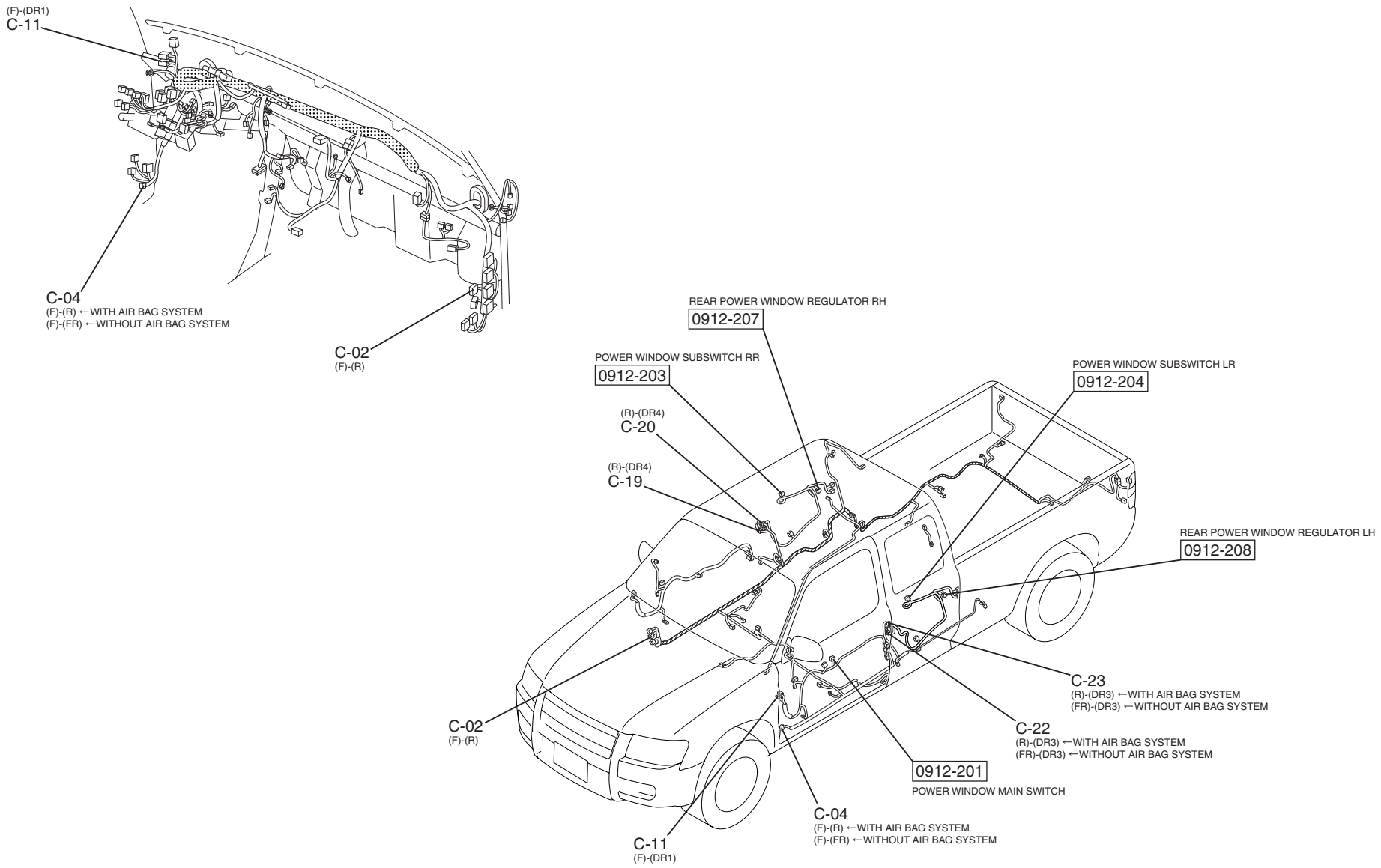
0912-204 POWER WINDOW SUBSWITCH LR(DR3)

0912-207 REAR POWER WINDOW REGULATOR RH(DR4)

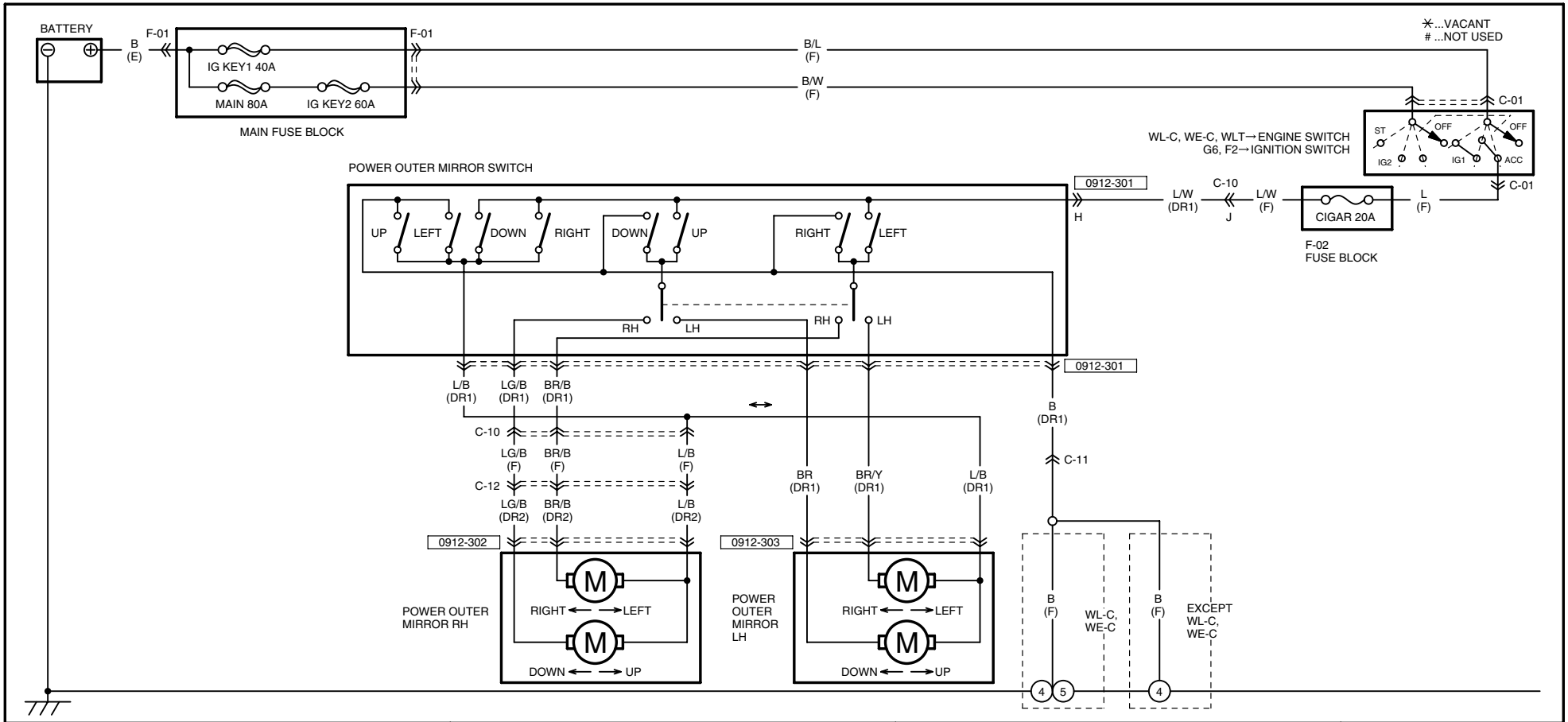
0912-208 REAR POWER WINDOW REGULATOR LH(DR3)

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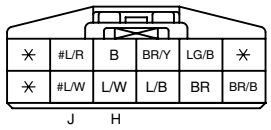
HARNESS SYMBOL: (F) (E) (R)



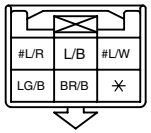
POWER OUTER MIRROR



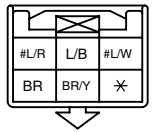
0912-301 POWER OUTER MIRROR SWITCH(DR1)



0912-302 POWER OUTER MIRROR RH(DR2)

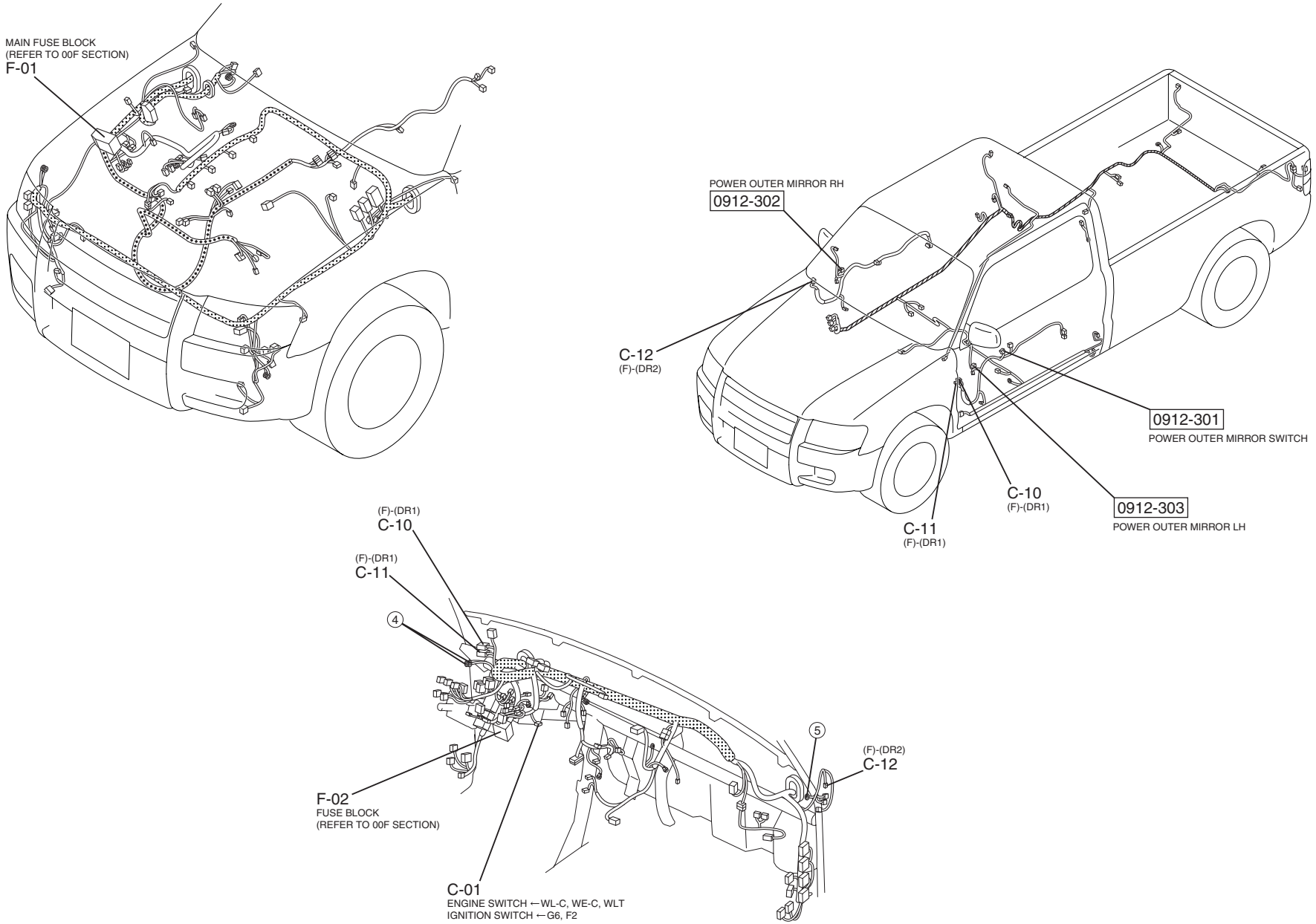


0912-303 POWER OUTER MIRROR LH(DR1)

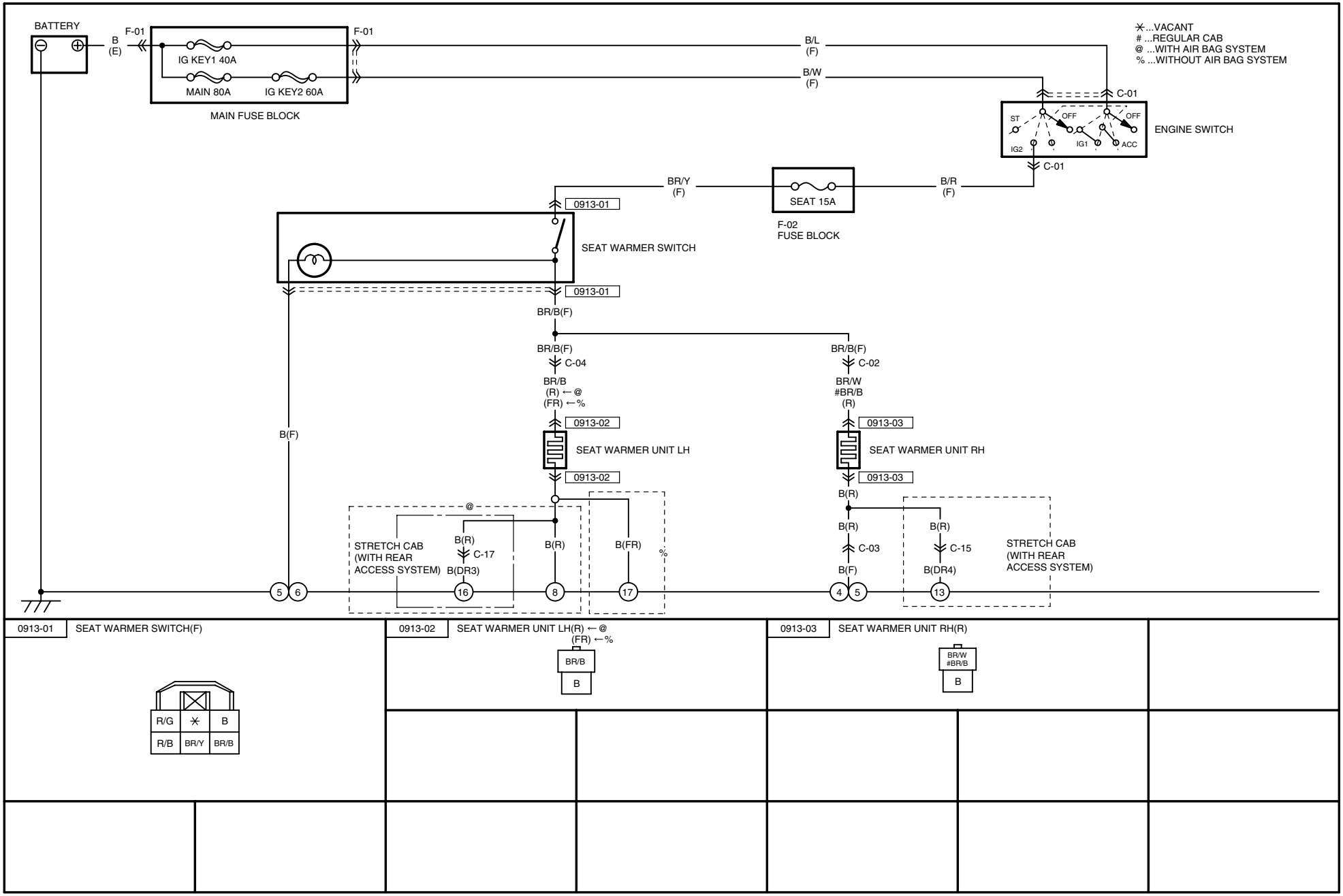


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HARNESS SYMBOL: (F) (E) (R)



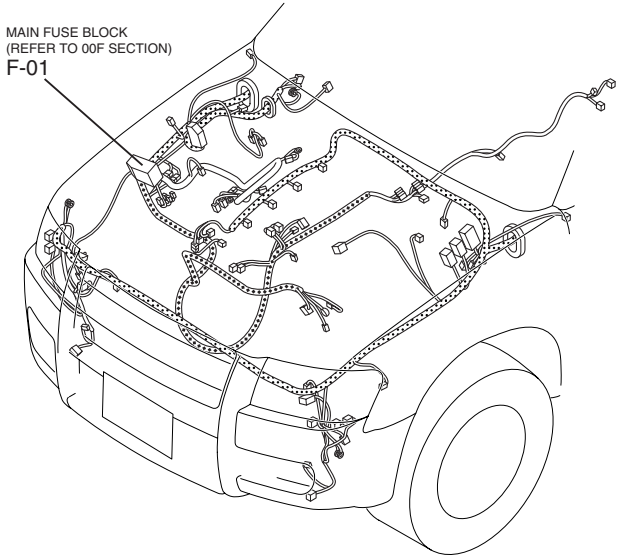
www.truck-freeworkshop.com



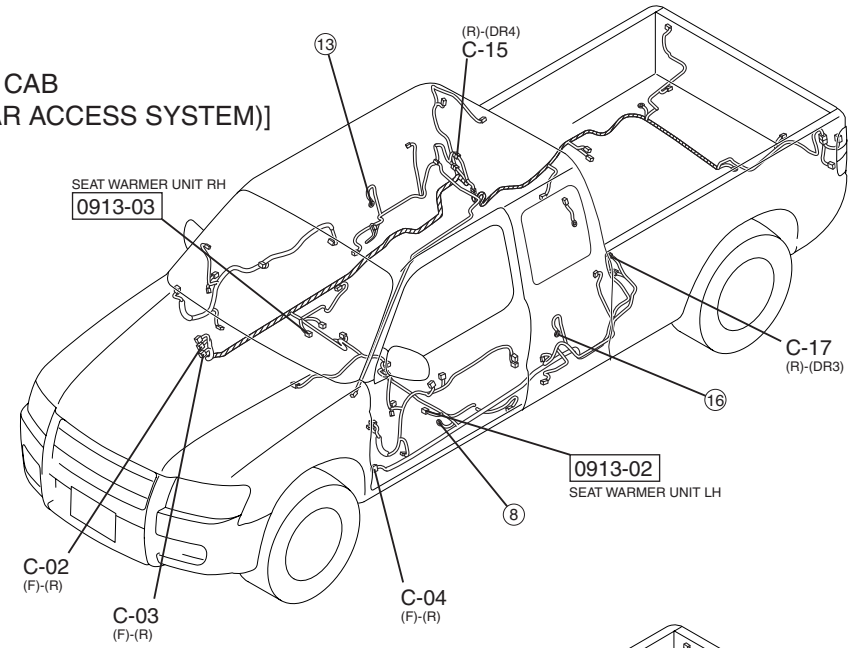
0913-01	SEAT WARMER SWITCH(F)	0913-02	SEAT WARMER UNIT LH(R) ←@ (FR) ←%	0913-03	SEAT WARMER UNIT RH(R)	

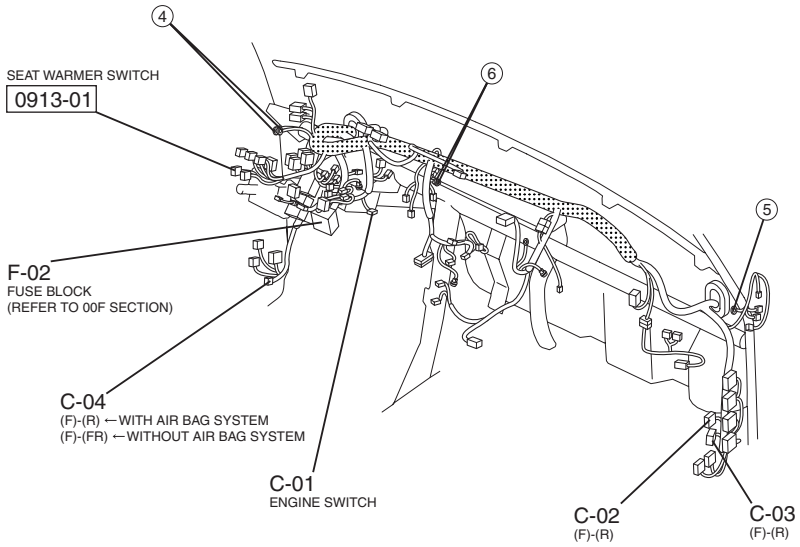
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

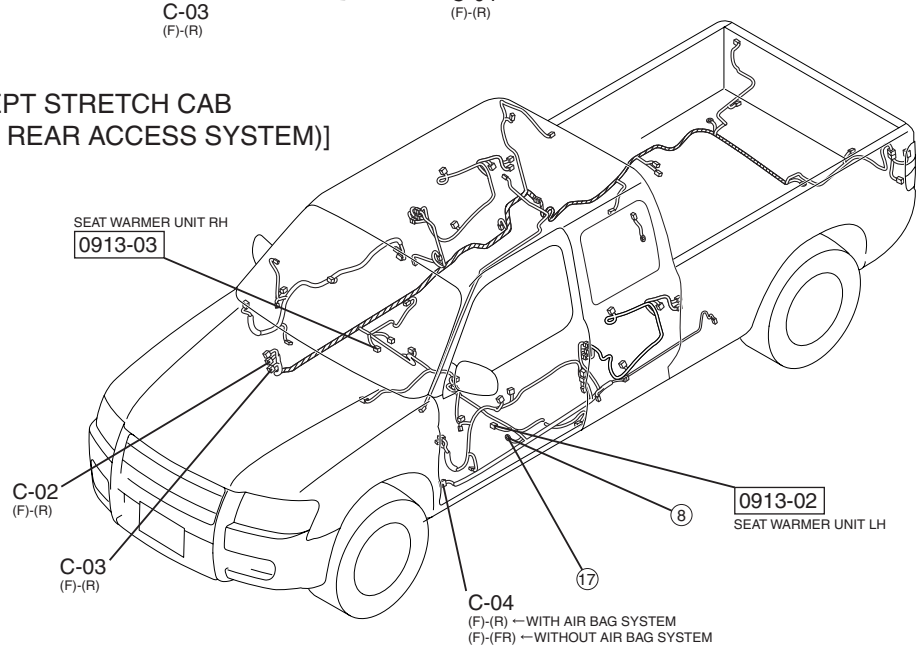


[STRETCH CAB
(WITH REAR ACCESS SYSTEM)]

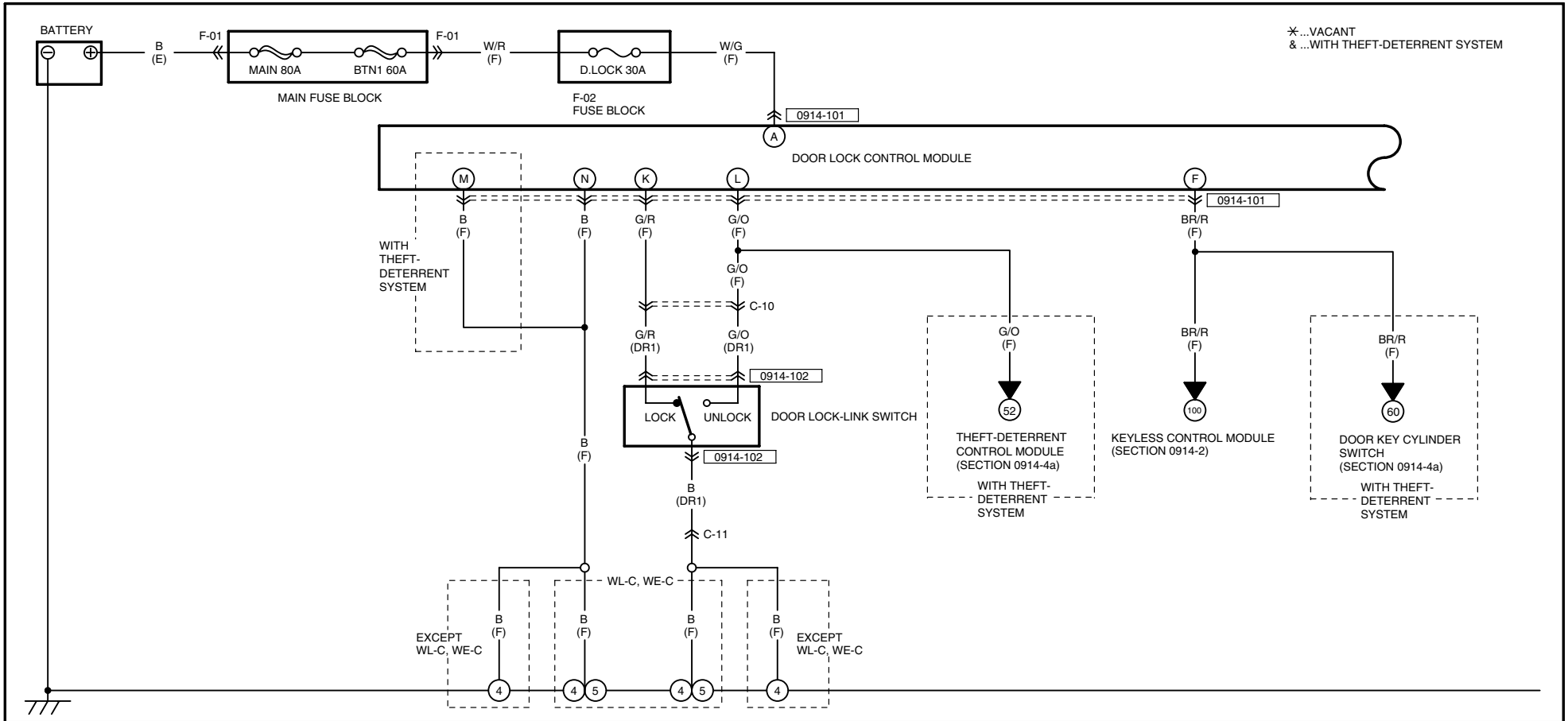




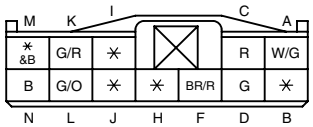
[EXCEPT STRETCH CAB
(WITH REAR ACCESS SYSTEM)]



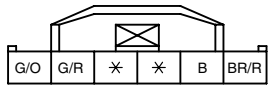
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0914-101 DOOR LOCK CONTROL MODULE(F)

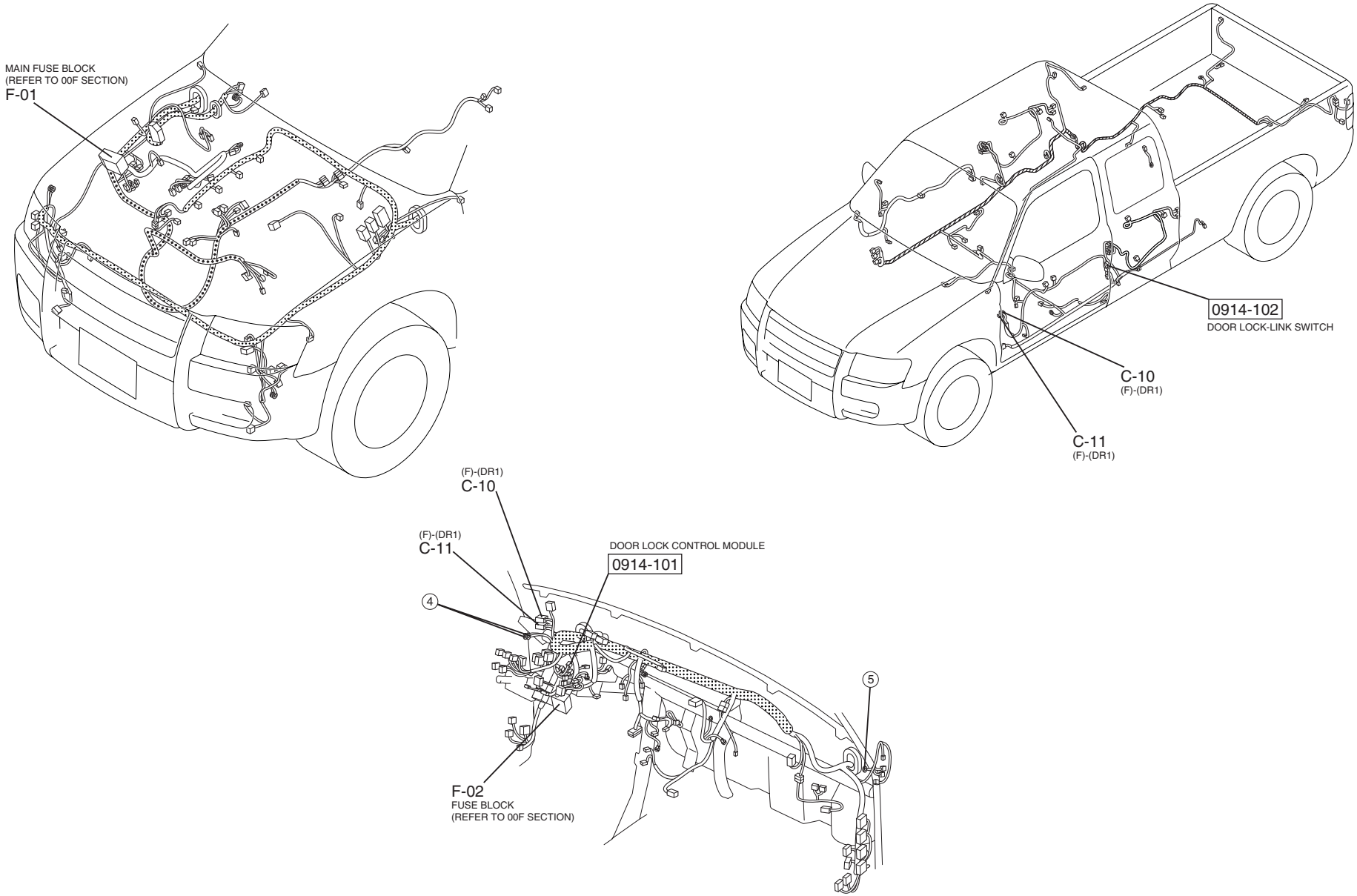


0914-102 DOOR LOCK-LINK SWITCH(DR1)

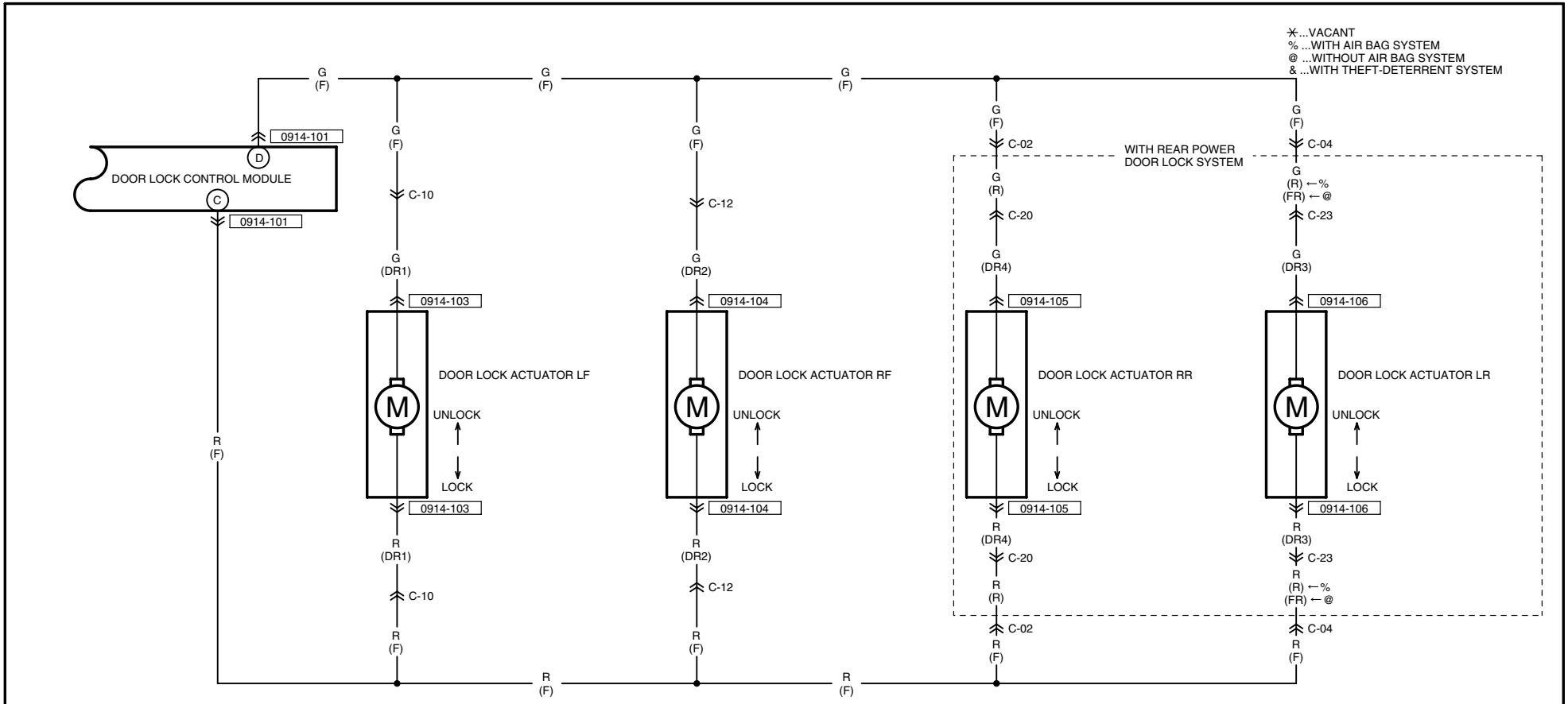


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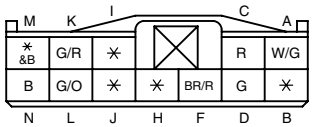
HARNESS SYMBOL: (F) (E) (R)

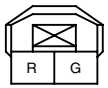


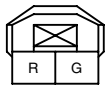
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0914-101 DOOR LOCK CONTROL MODULE(F)	0914-103 DOOR LOCK ACTUATOR LF(DR1)	0914-104 DOOR LOCK ACTUATOR RF(DR2)	
0914-105 DOOR LOCK ACTUATOR RR(DR4)	0914-106 DOOR LOCK ACTUATOR LR(DR3)		





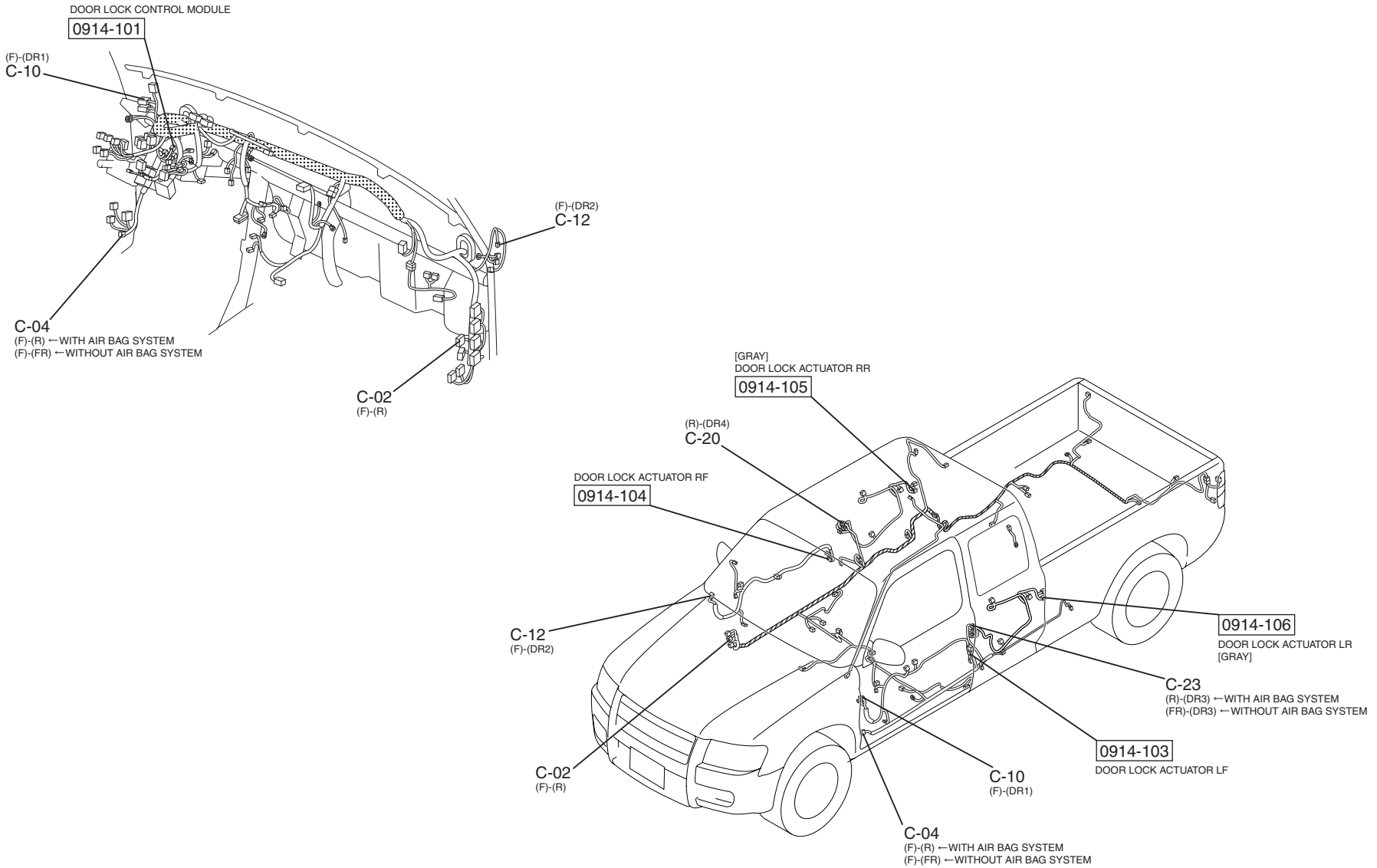




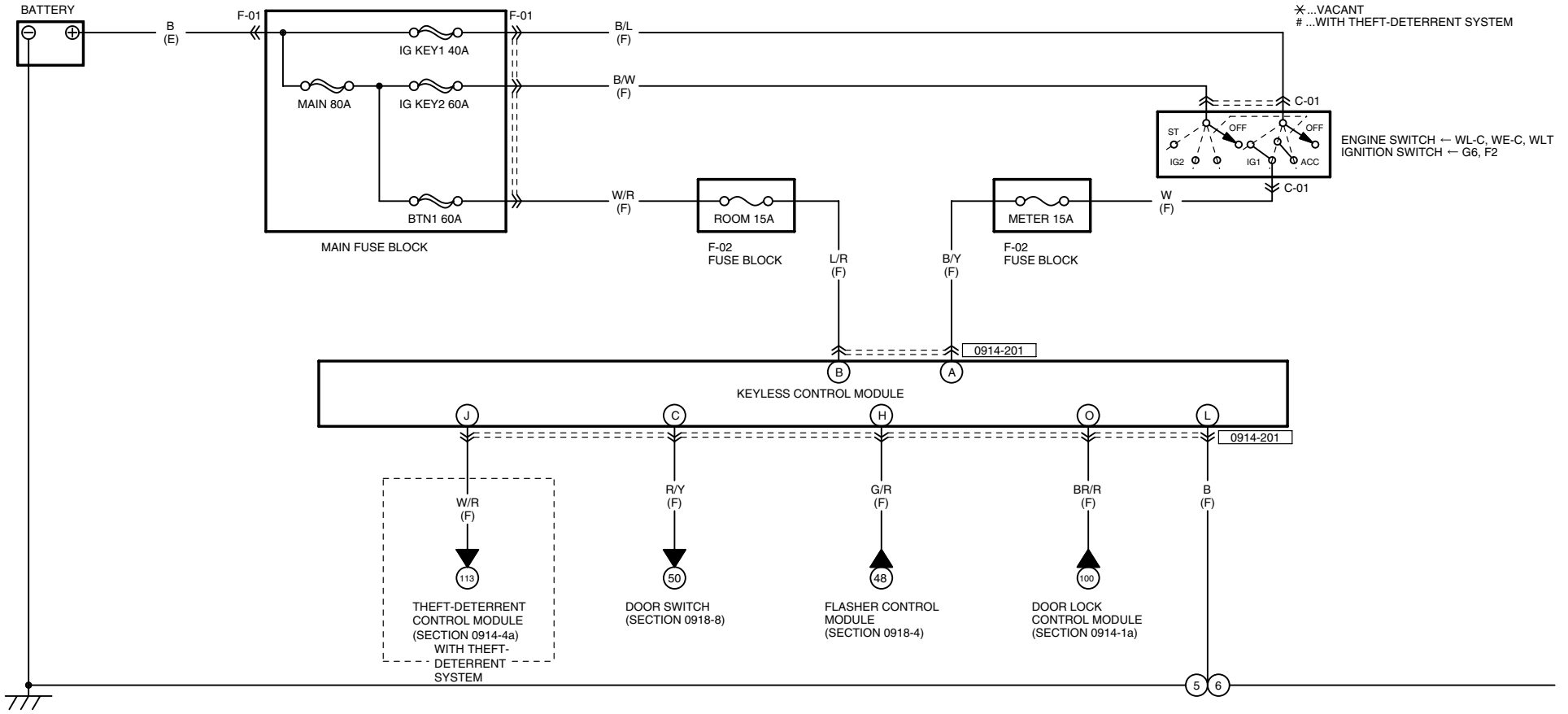


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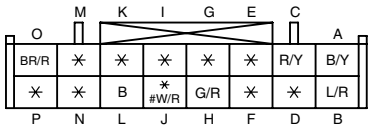
HARNESS SYMBOL: (F) (E) (R)



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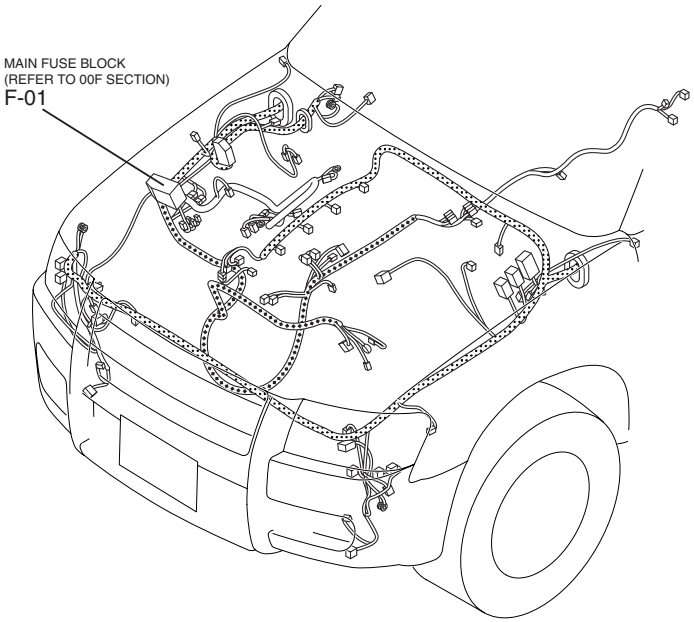


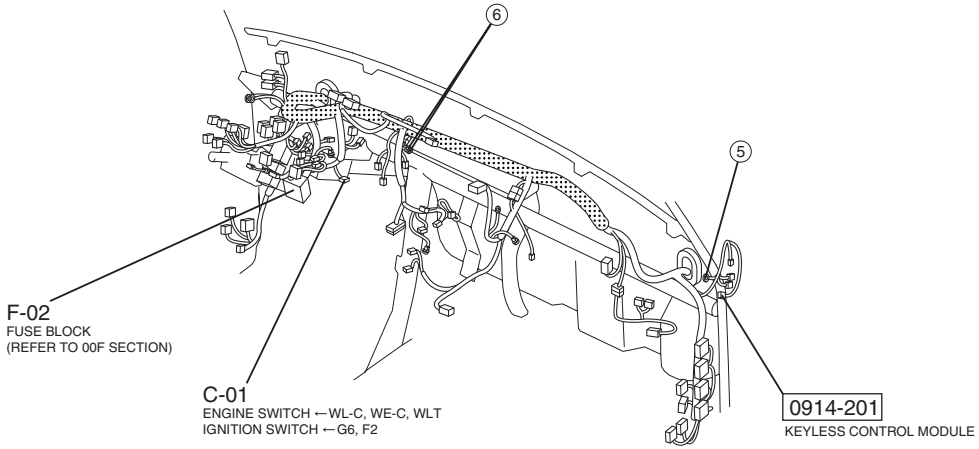
0914-201 KEYLESS CONTROL MODULE(F)



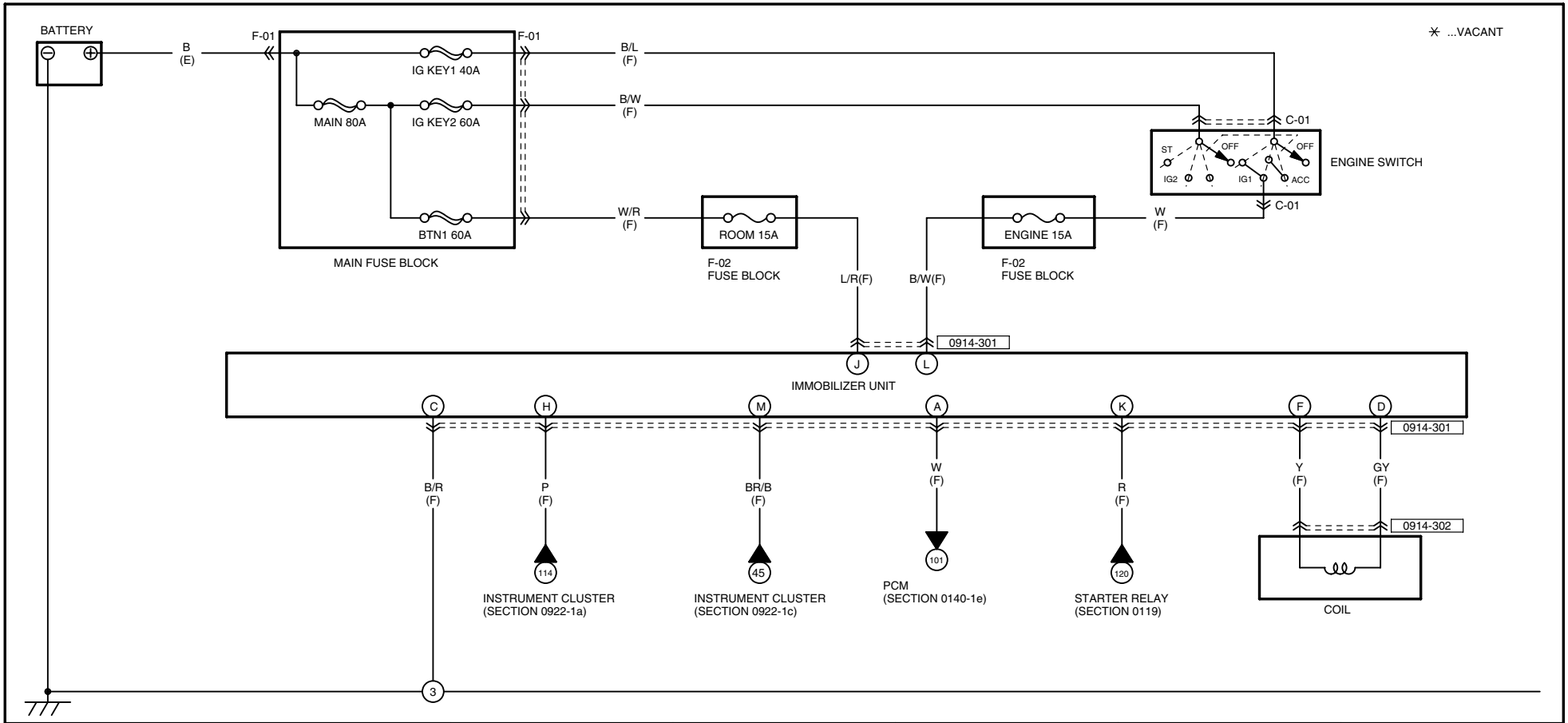
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

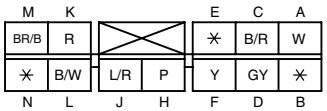




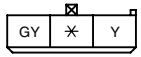
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0914-301 IMMOBILIZER UNIT(F)

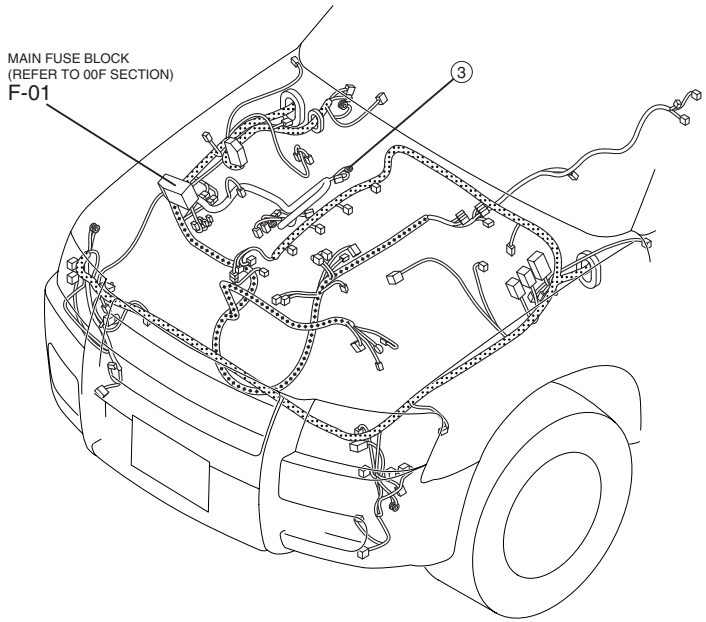


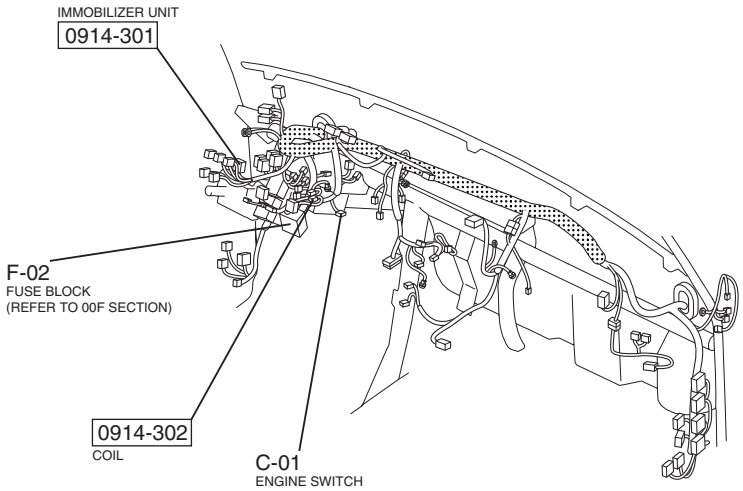
0914-302 COIL(F)



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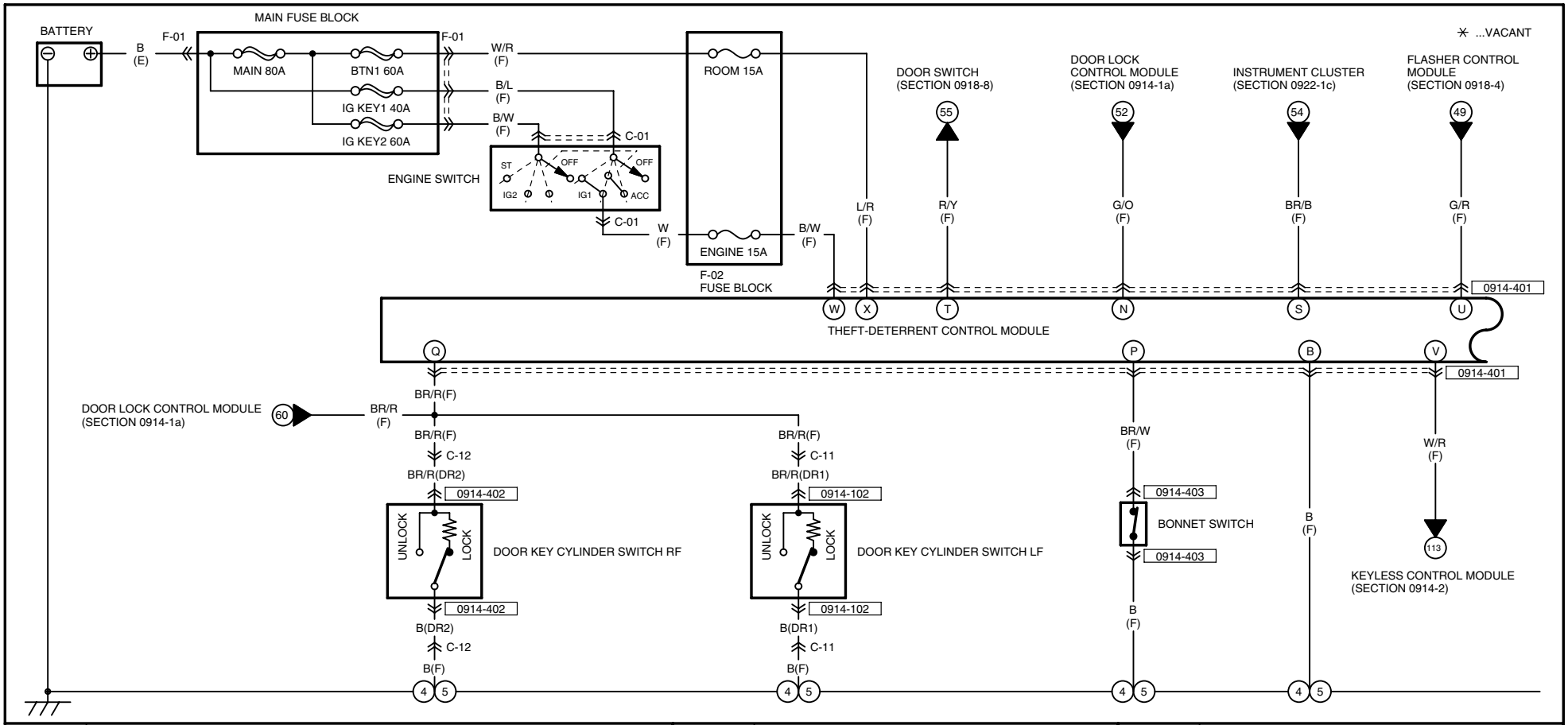
HARNESS SYMBOL: (F) (E) (R)





93

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0914-401 THEFT-DETERRENT CONTROL MODULE(F)

	Q	O	M	K	I	G						
W	U	S							E	C	A	
B/W	G/R	BR/B	BR/R	LG/R	✳	✳	✳	✳	P/L	✳	✳	
L/R	W/R	R/Y	✳	BR/W	G/O	✳	✳	✳	P	✳	B	
X	V	T	R	P	N	L	J	H	F	D	B	

0914-402 DOOR KEY CYLINDER SWITCH RF(DR2)

BR/R	B	✳	✳	✳	✳

0914-403 BONNET SWITCH(F)

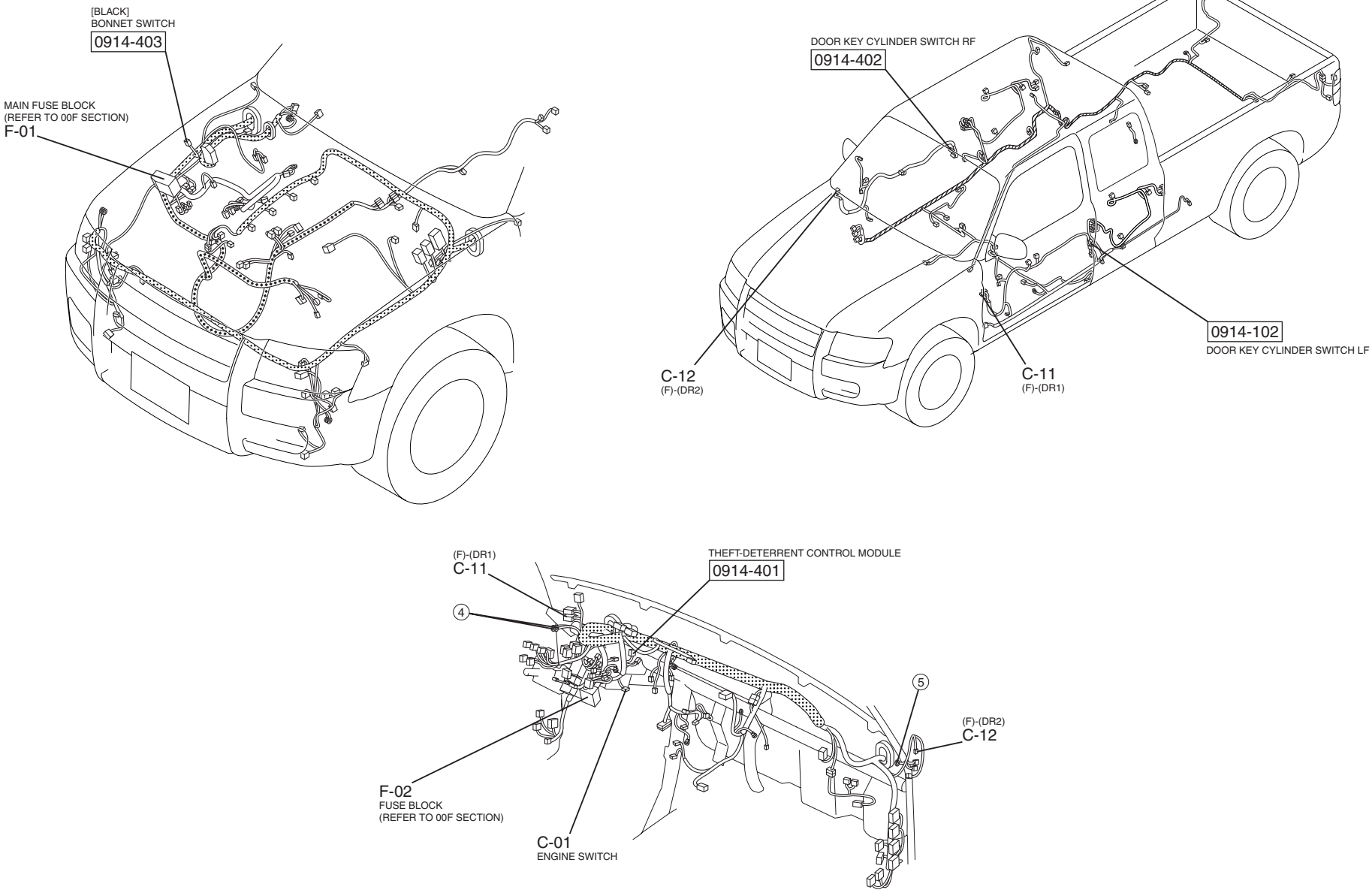
B	BR/W

0914-102 DOOR KEY CYLINDER SWITCH LF(DR1)

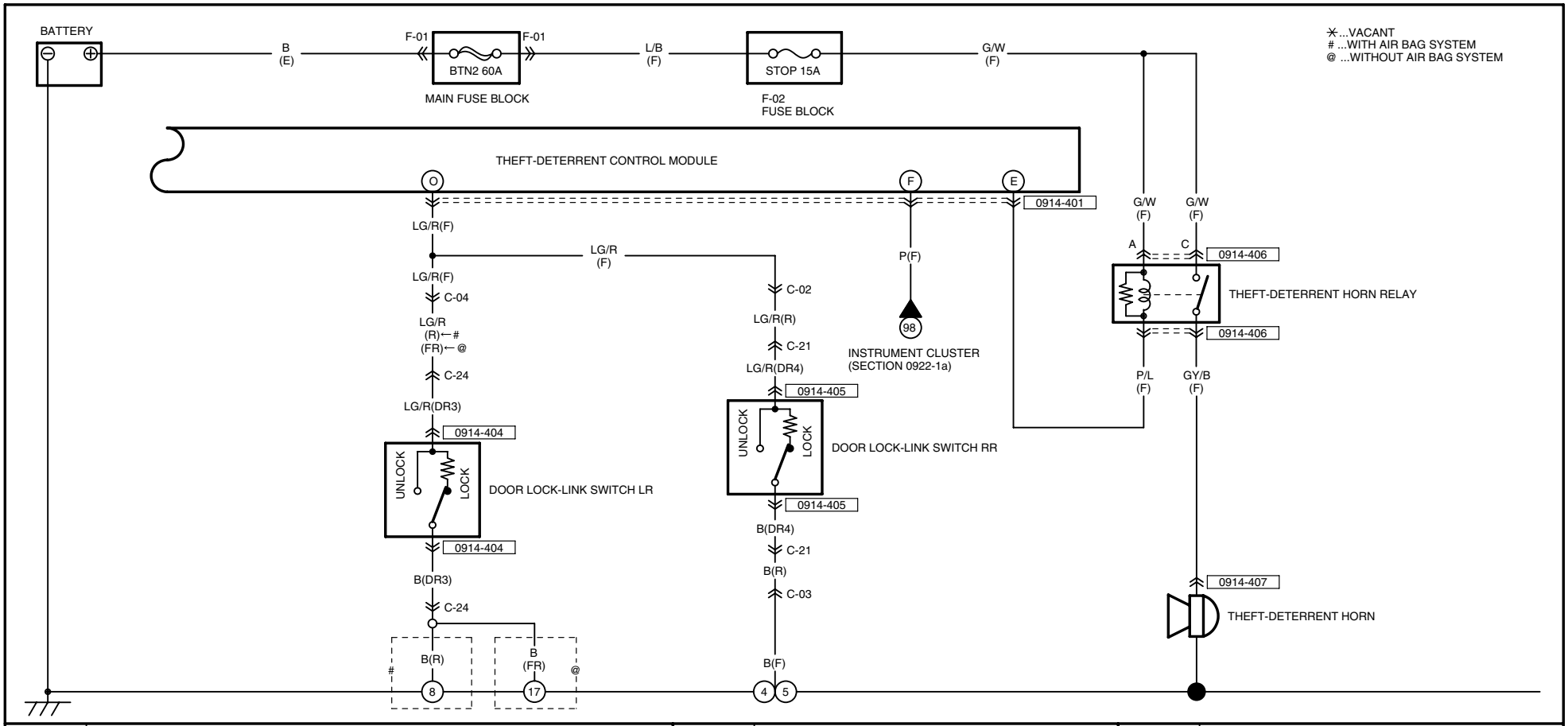
G/O	G/R	✳	✳	B	BR/R

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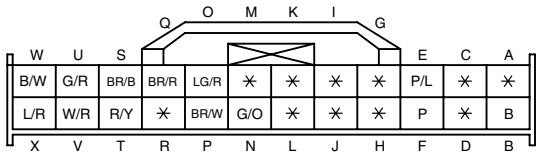
HARNESS SYMBOL: (F) (E) (R)



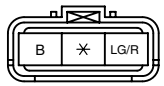
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0914-401 THEFT-DETERRENT CONTROL MODULE(F)



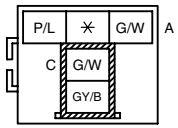
0914-404 DOOR LOCK-LINK SWITCH LR(DR3)



0914-405 DOOR LOCK-LINK SWITCH RR(DR4)



0914-406 THEFT-DETERRENT HORN RELAY(F)

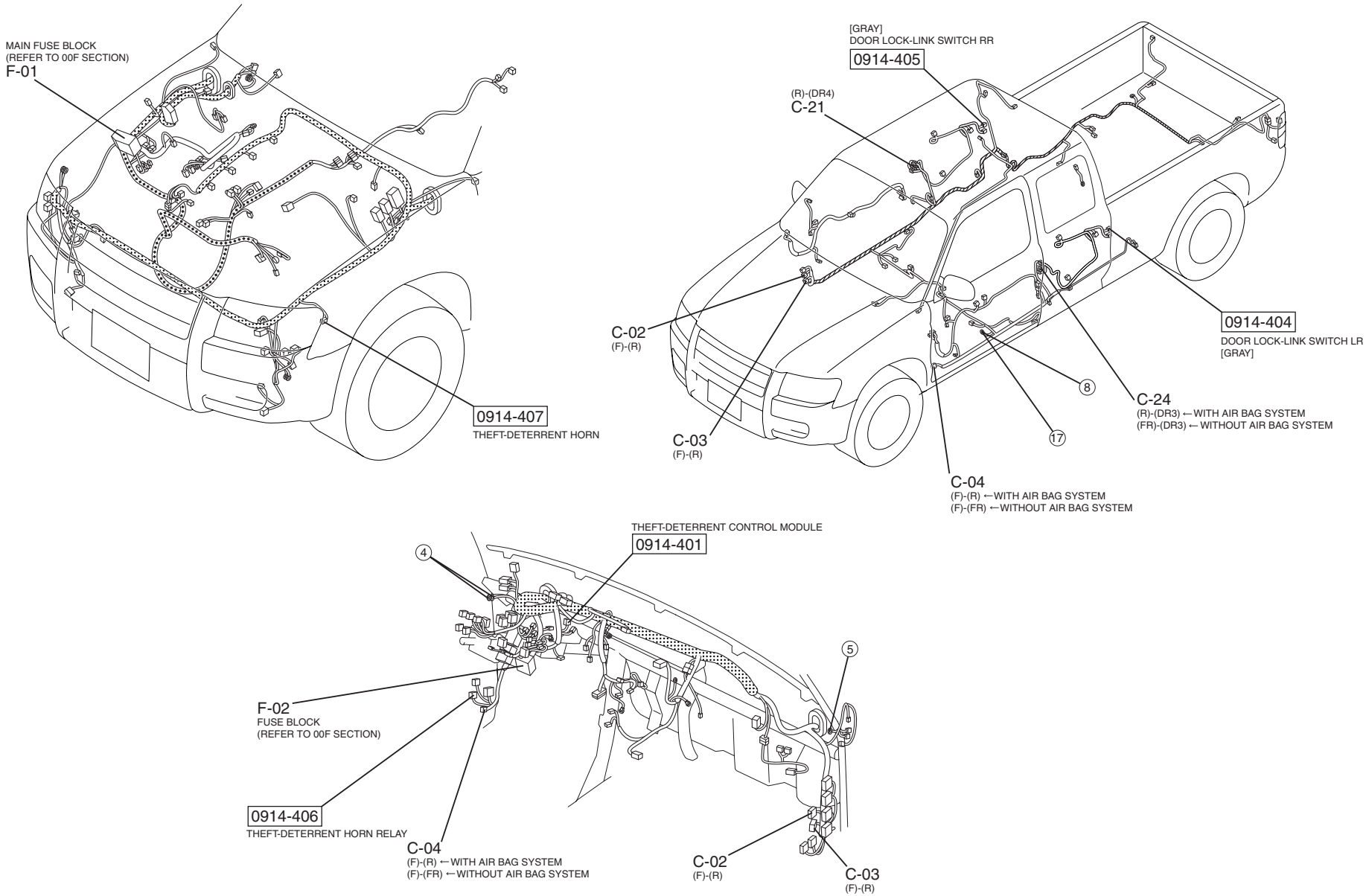


0914-407 THEFT-DETERRENT HORN(F)

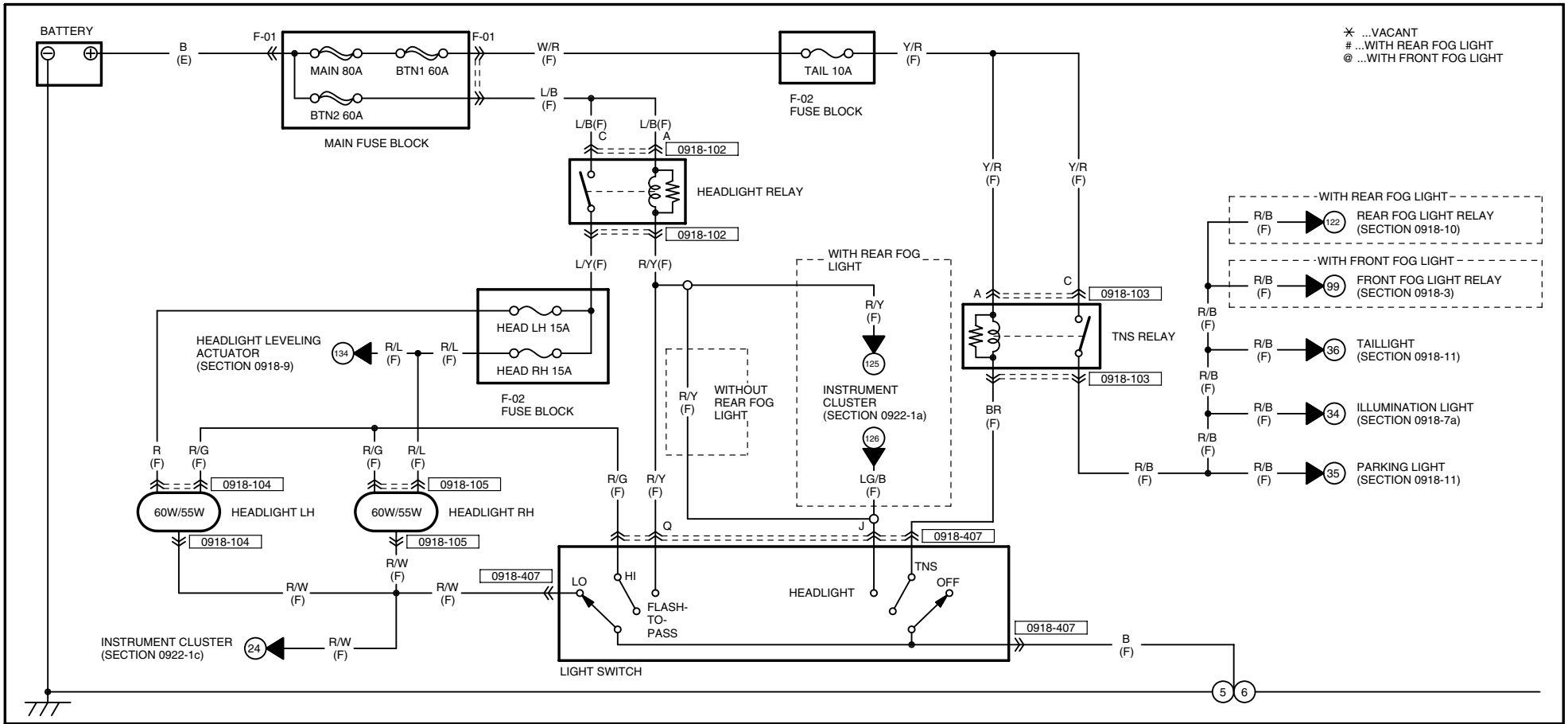


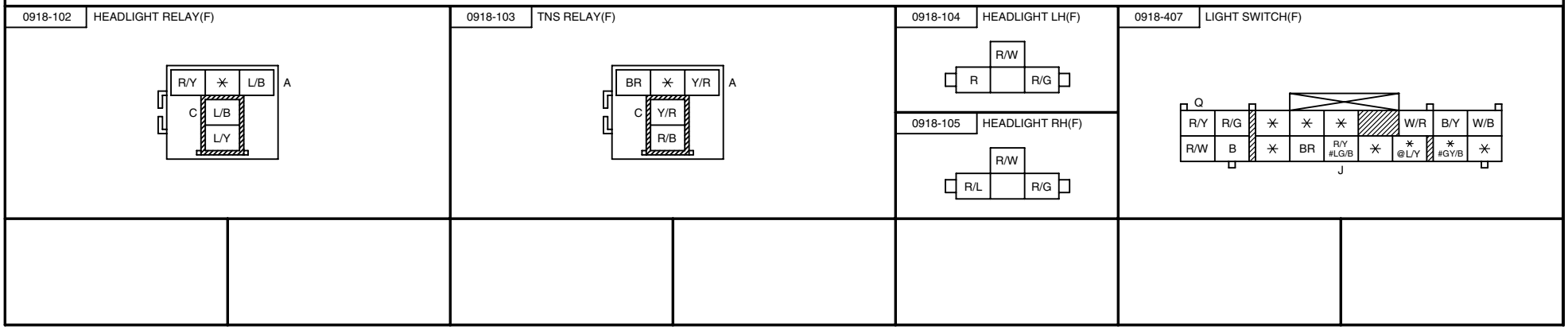
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HARNESS SYMBOL: (F) (E) (R)



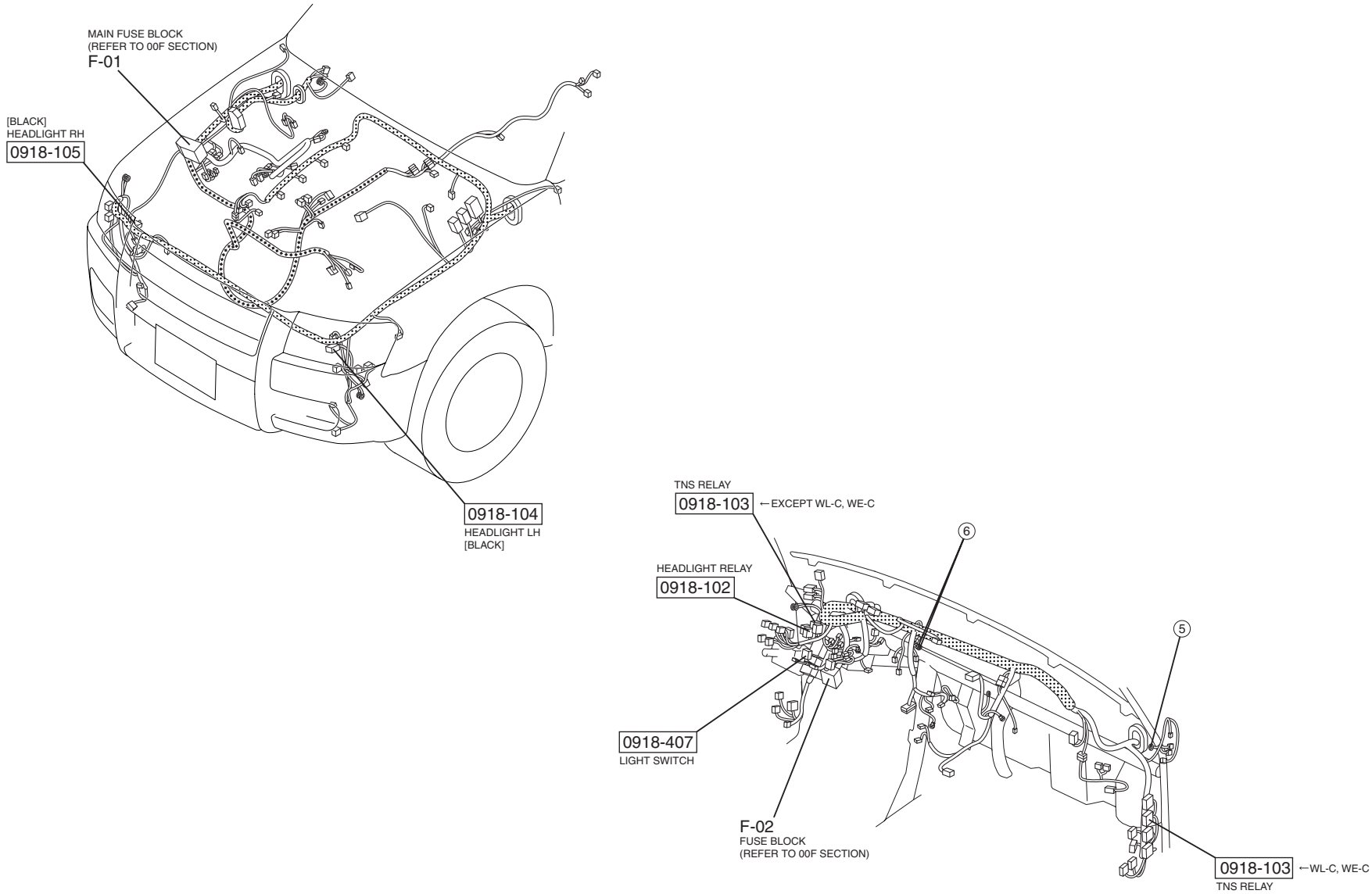
www.truck-freeworkshop.com



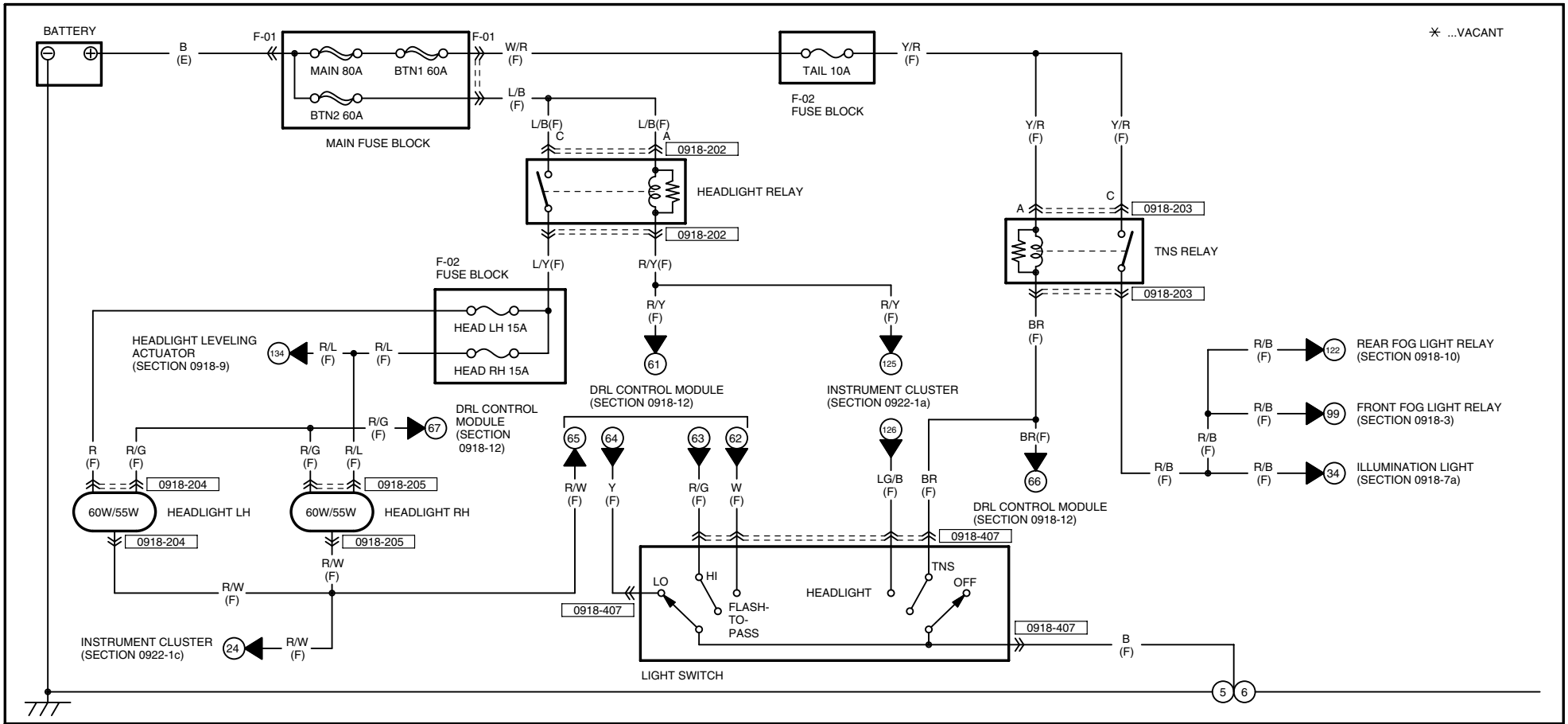


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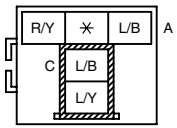
HARNESS SYMBOL: (F) (E) (R)



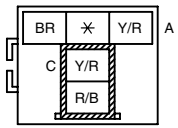
HEADLIGHT (WITH DRL SYSTEM)



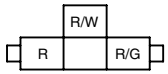
0918-202 HEADLIGHT RELAY(F)



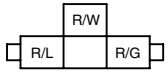
0918-203 TNS RELAY(F)



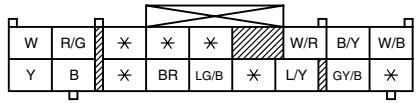
0918-204 HEADLIGHT LH(F)



0918-205 HEADLIGHT RH(F)

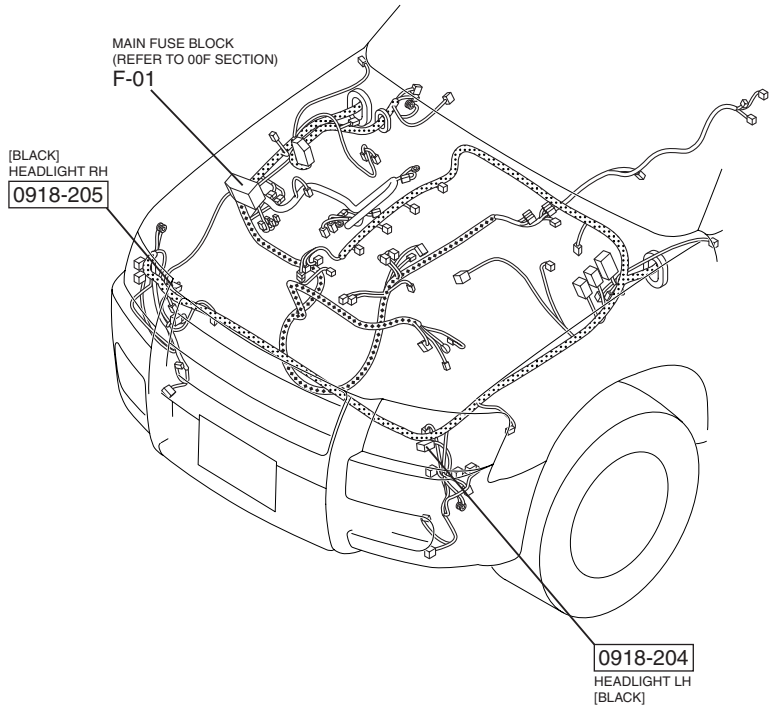


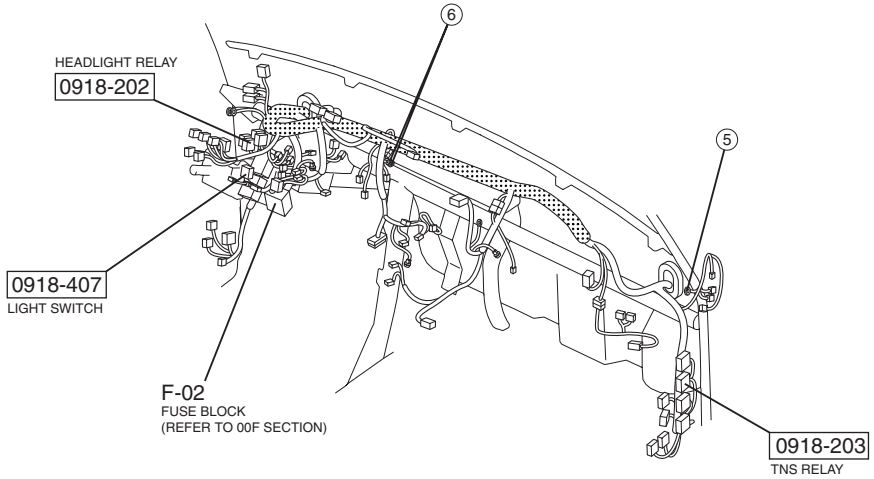
0918-407 LIGHT SWITCH(F)

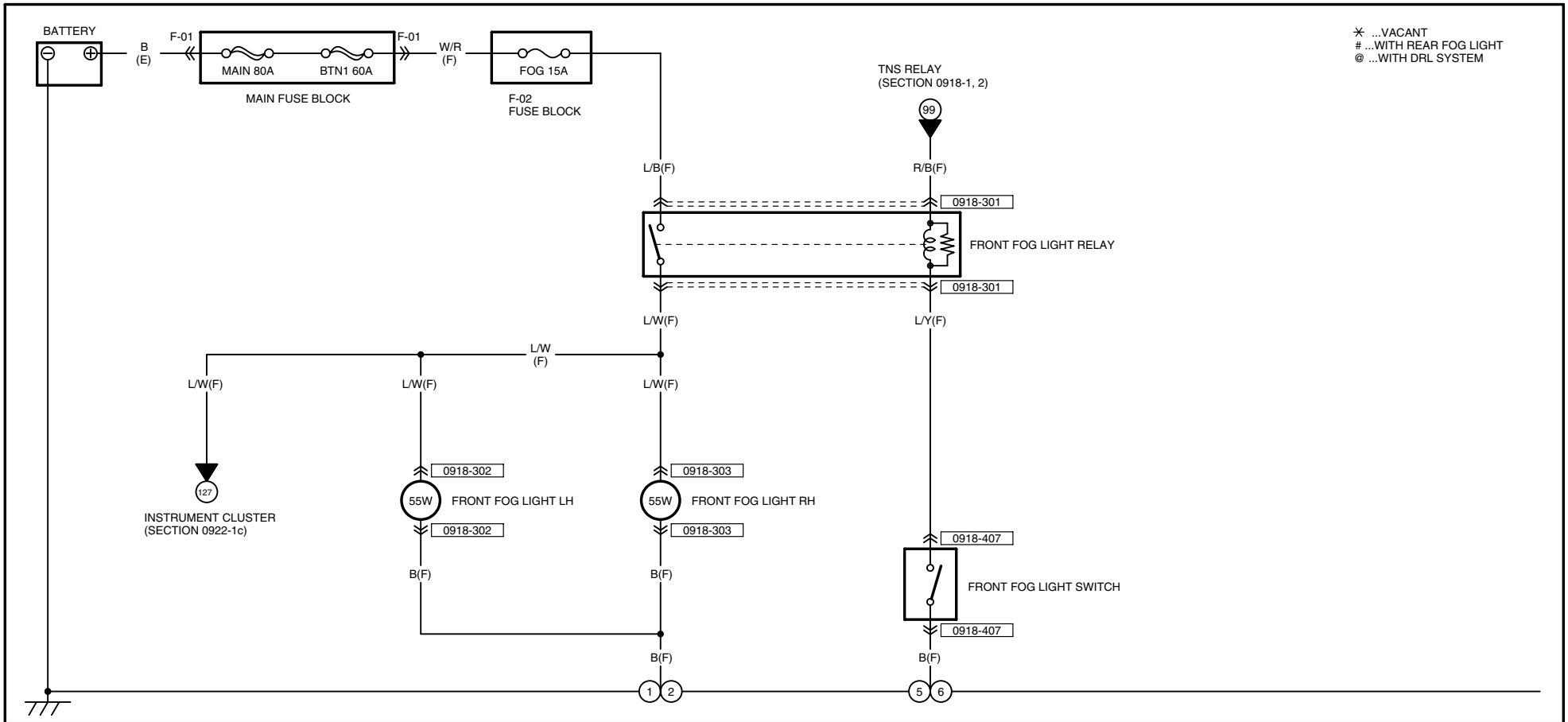


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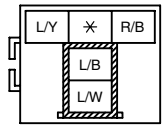
HARNESS SYMBOL: (F) (E) (R)



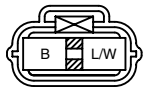




0918-301 FRONT FOG LIGHT RELAY(F)



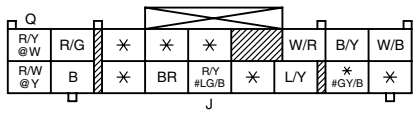
0918-302 FRONT FOG LIGHT LH(F)



0918-303 FRONT FOG LIGHT RH(F)

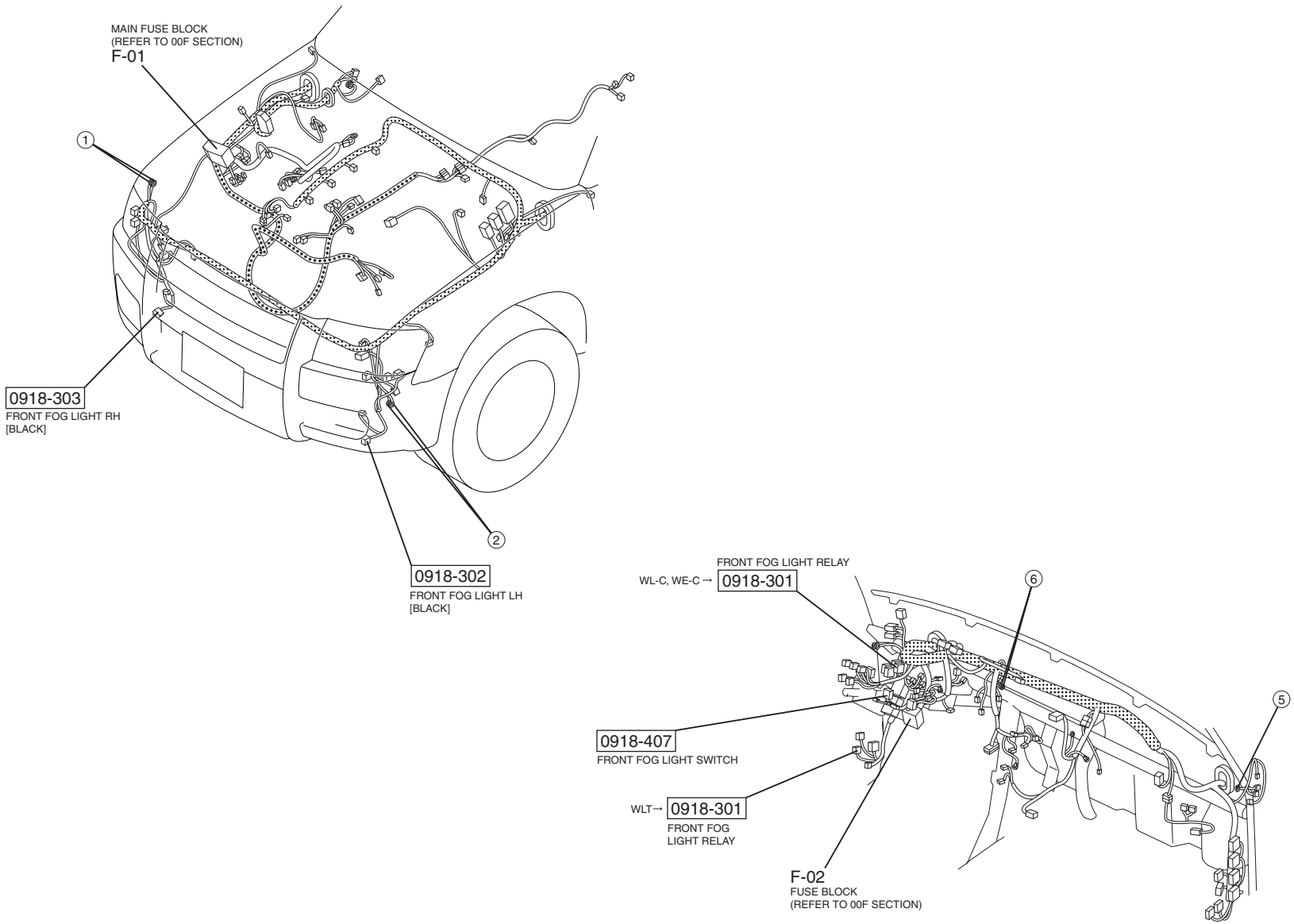


0918-407 FRONT FOG LIGHT SWITCH(F)

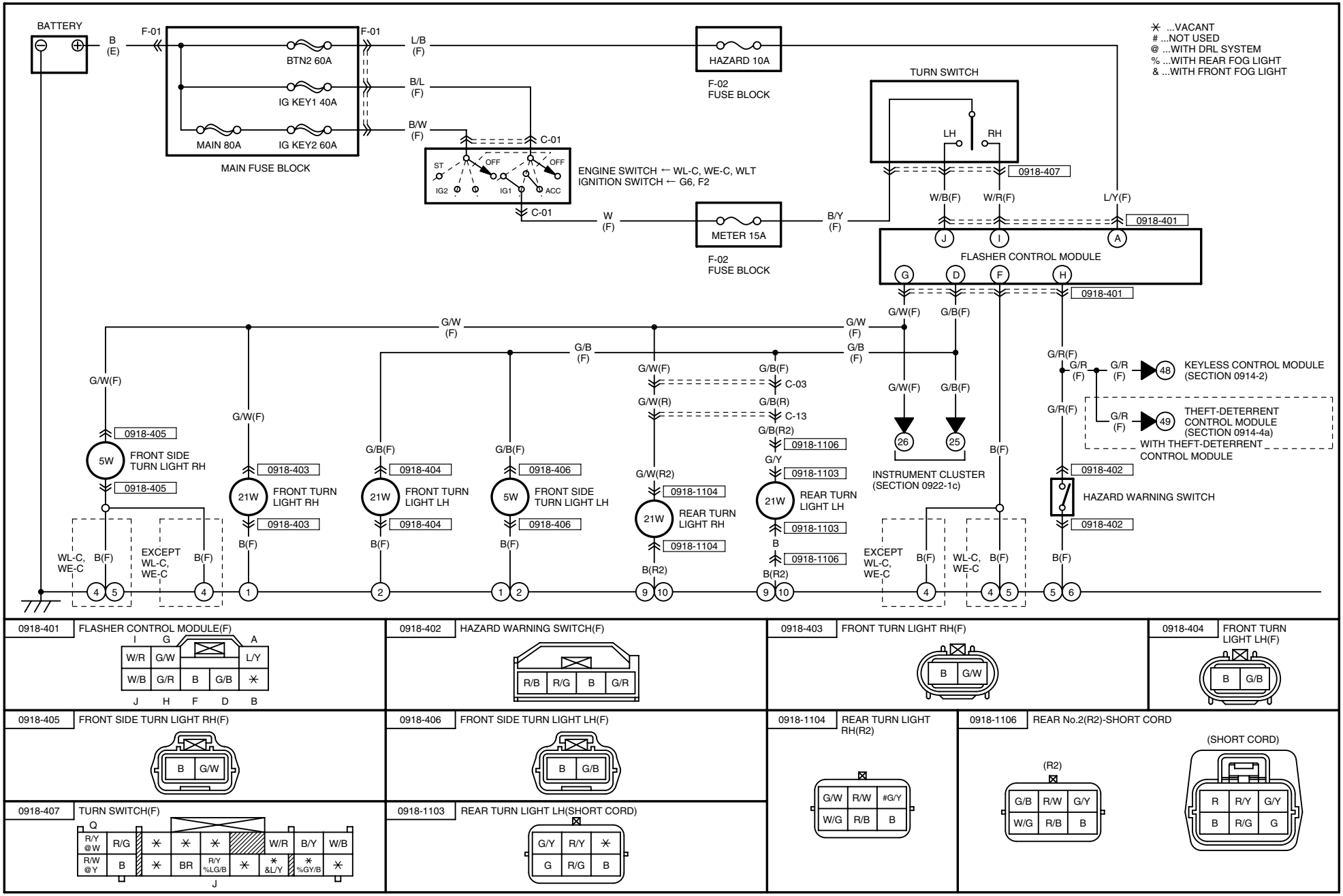


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HARNESS SYMBOL: (F) (E) (R)

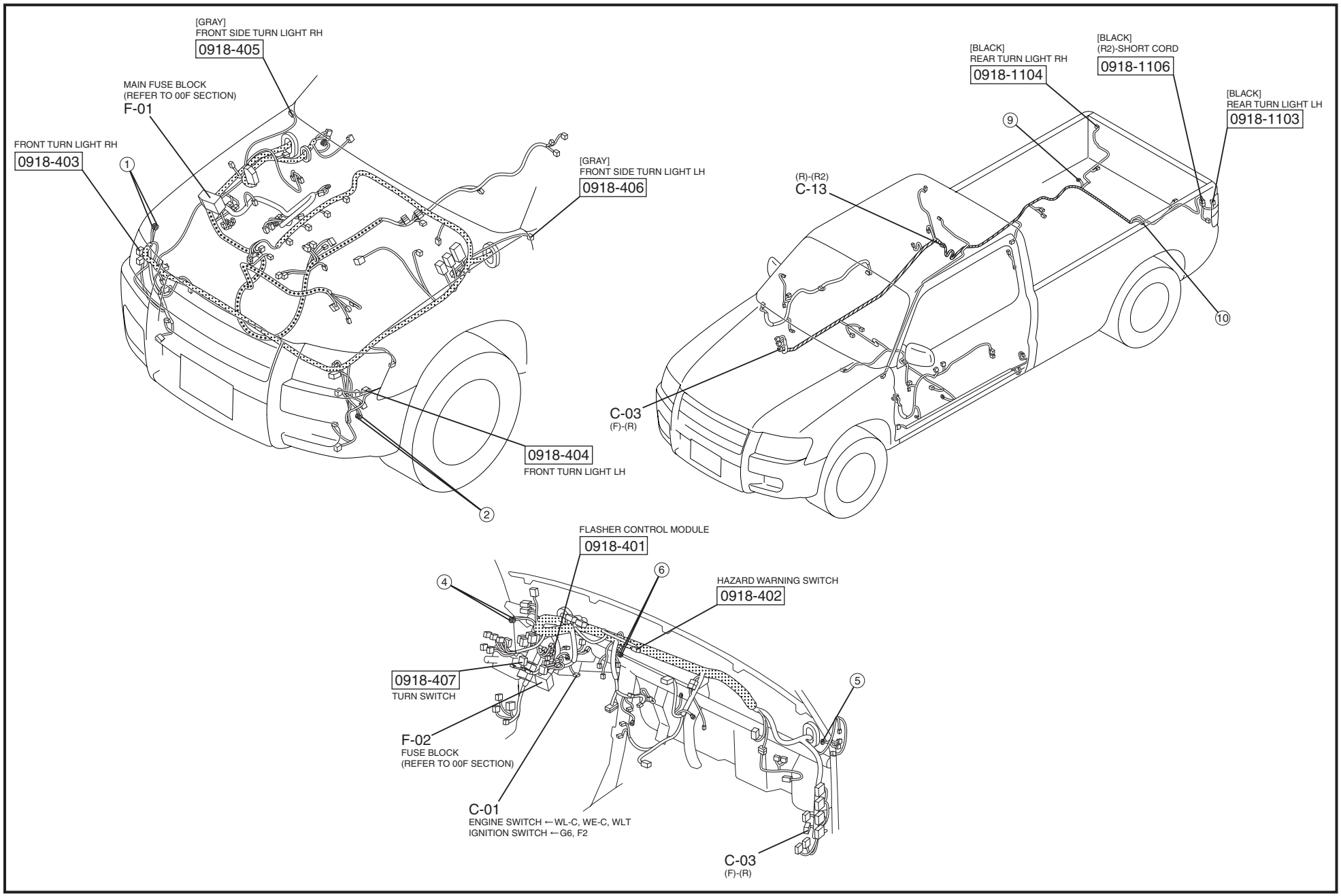


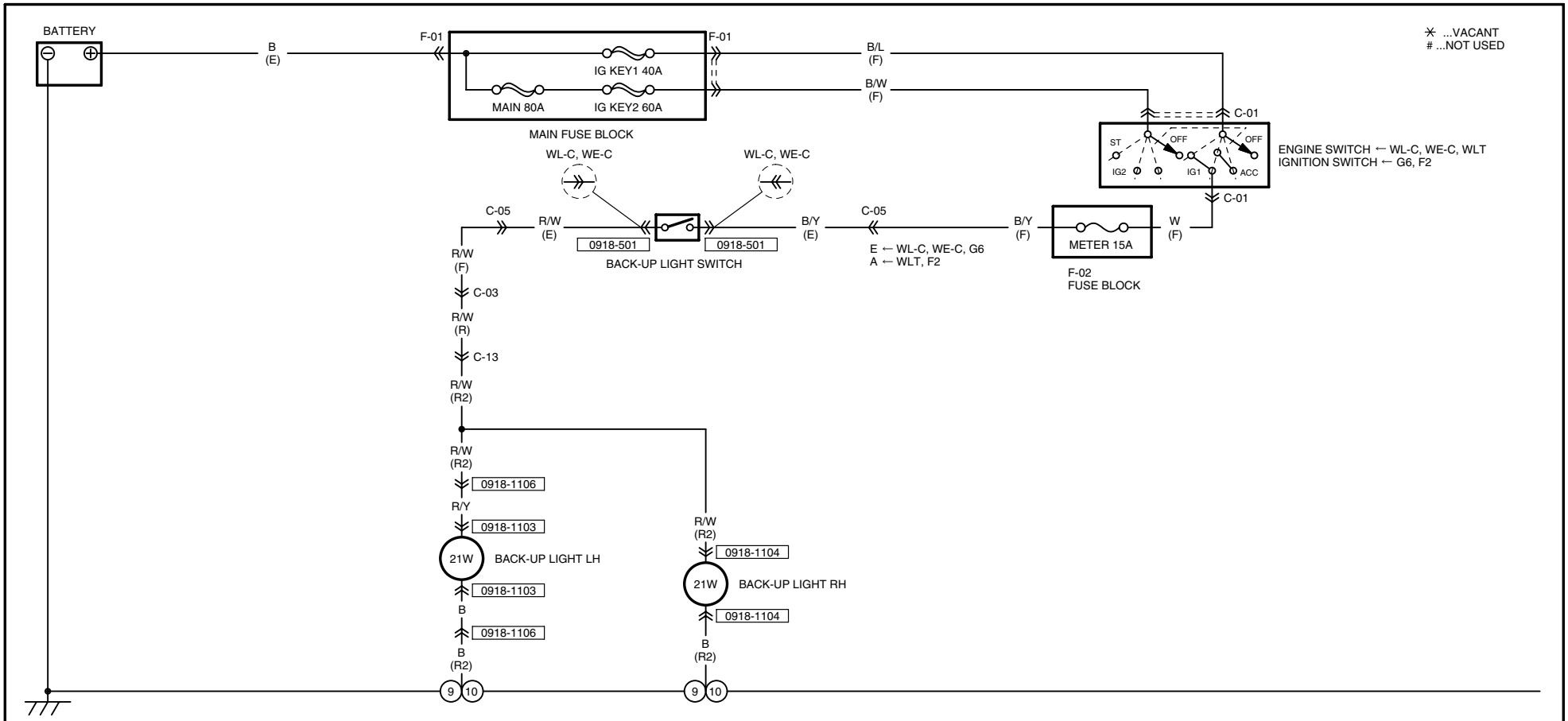
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HARNESS SYMBOL: (F) (E) (R)





0918-501	BACK-UP LIGHT SWITCH(E)

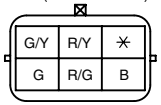
WL-C, WE-C



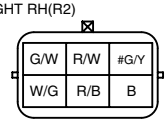
EXCEPT WL-C, WE-C



0918-1103	BACK-UP LIGHT LH(SHORT CORD)

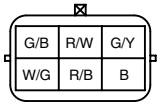


0918-1104	BACK-UP LIGHT RH(R2)



0918-1106	REAR No.2(R2)-SHORT CORD

(R2)

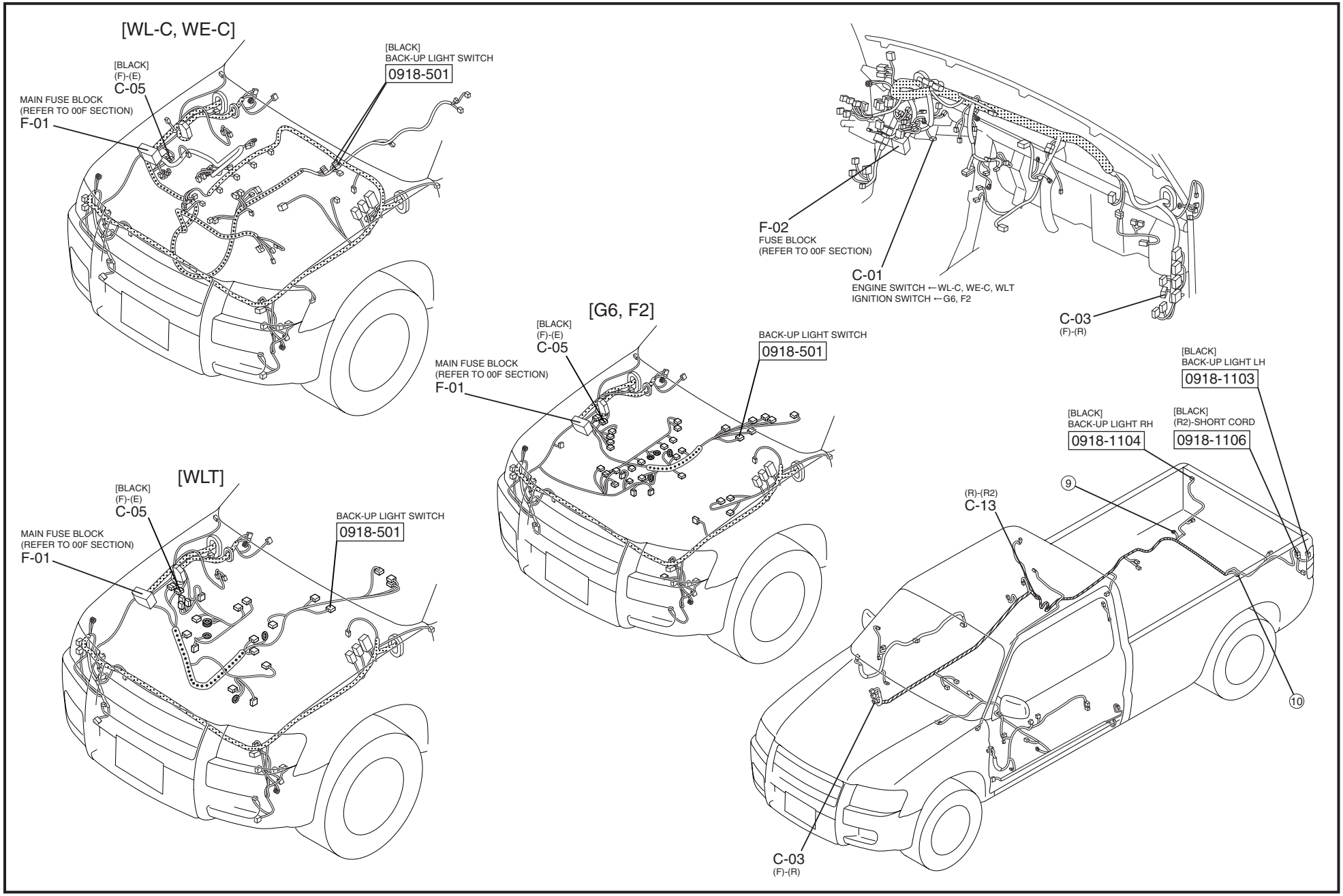


(SHORT CORD)

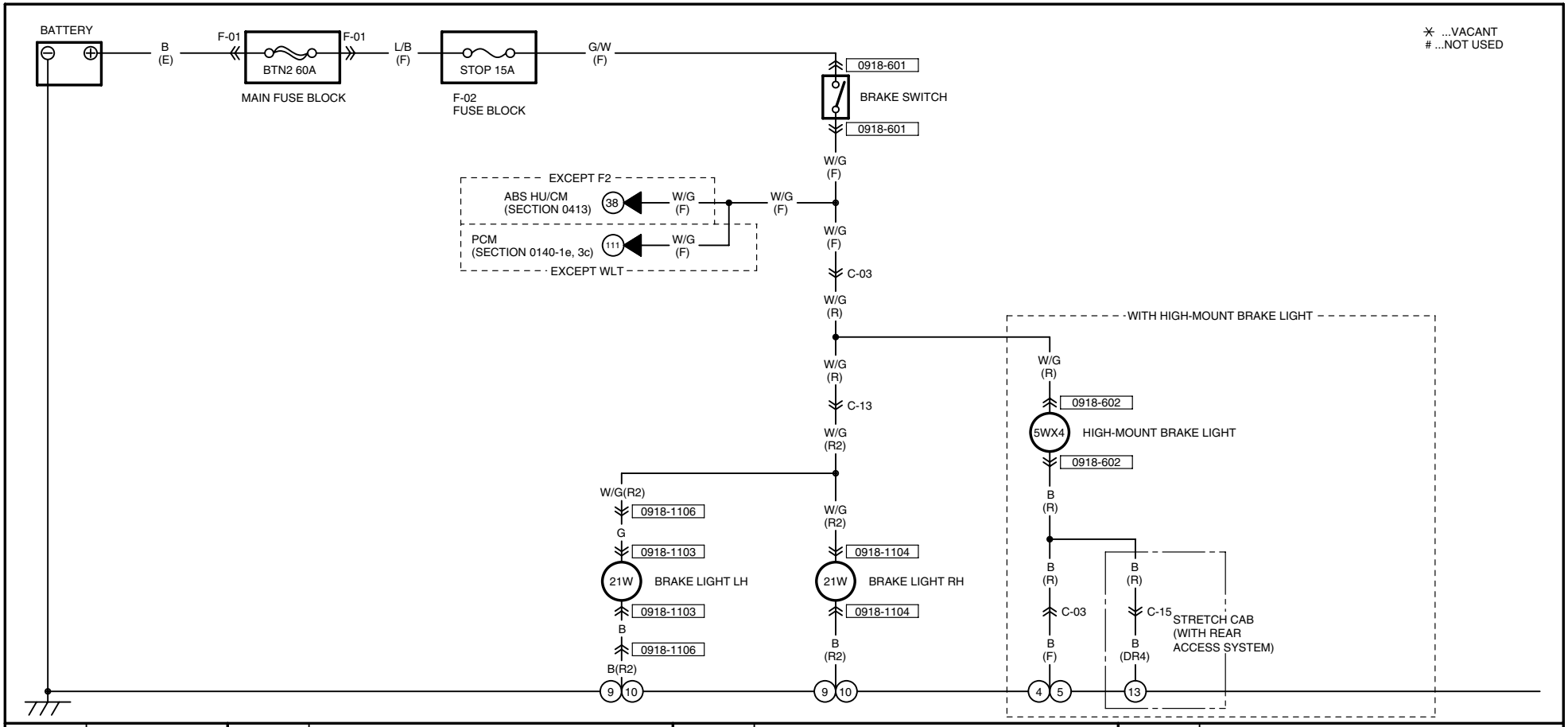


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HARNESS SYMBOL: (F) (E) (R)



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0918-601 BRAKE SWITCH(F)	0918-602 HIGH-MOUNT BRAKE LIGHT(R)	0918-1103 BRAKE LIGHT LH(SHORT CORD)	0918-1104 BRAKE LIGHT RH(R2)
G/W W/G	B | W/G	G/Y | R/Y | ✳ G | R/G | B	G/W | R/W | #G/Y W/G | R/B | B

0918-1106 REAR No.2(R2)-SHORT CORD

(R2)

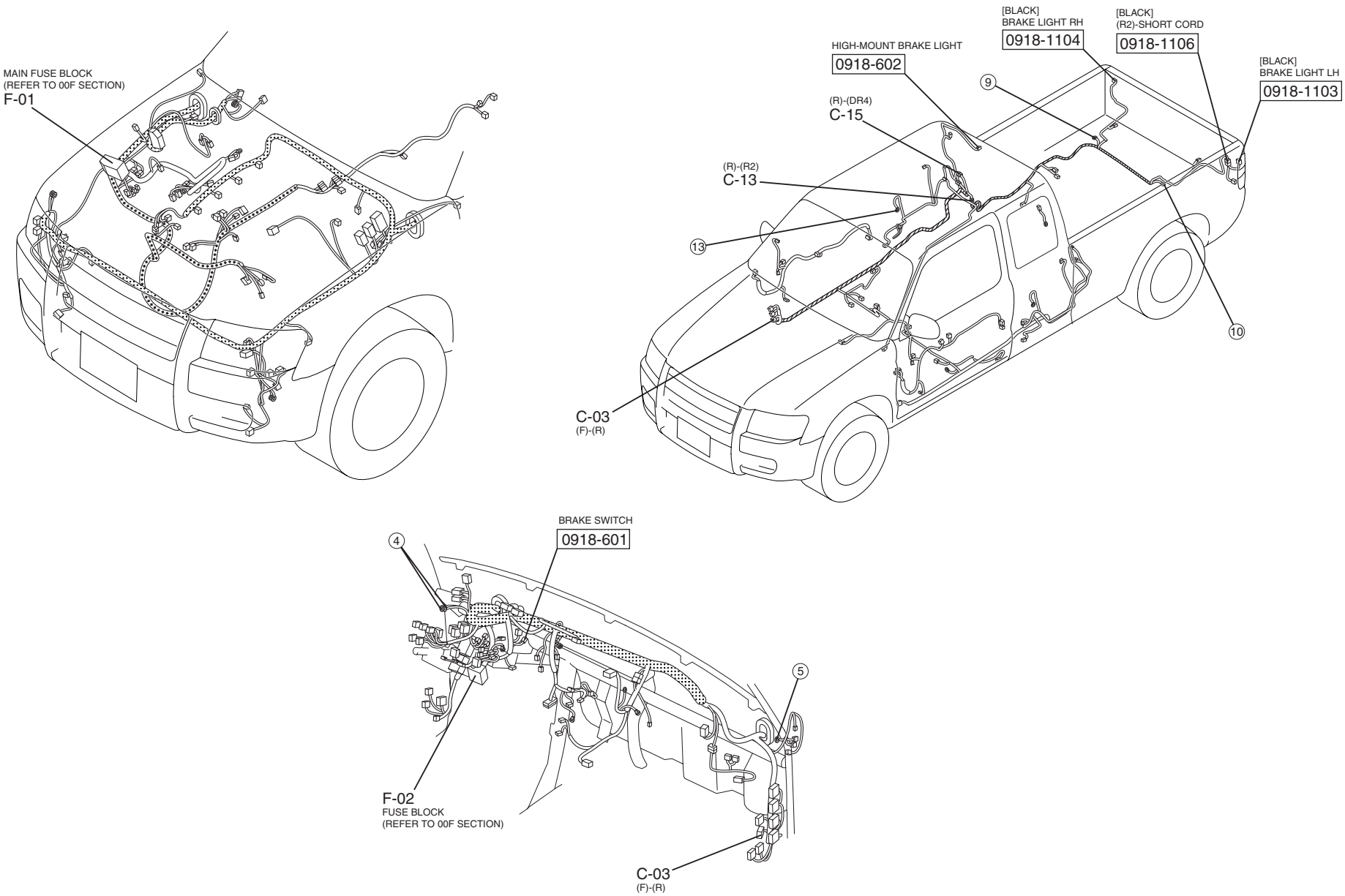
G/B	R/W	G/Y
W/G	R/B	B

(SHORT CORD)

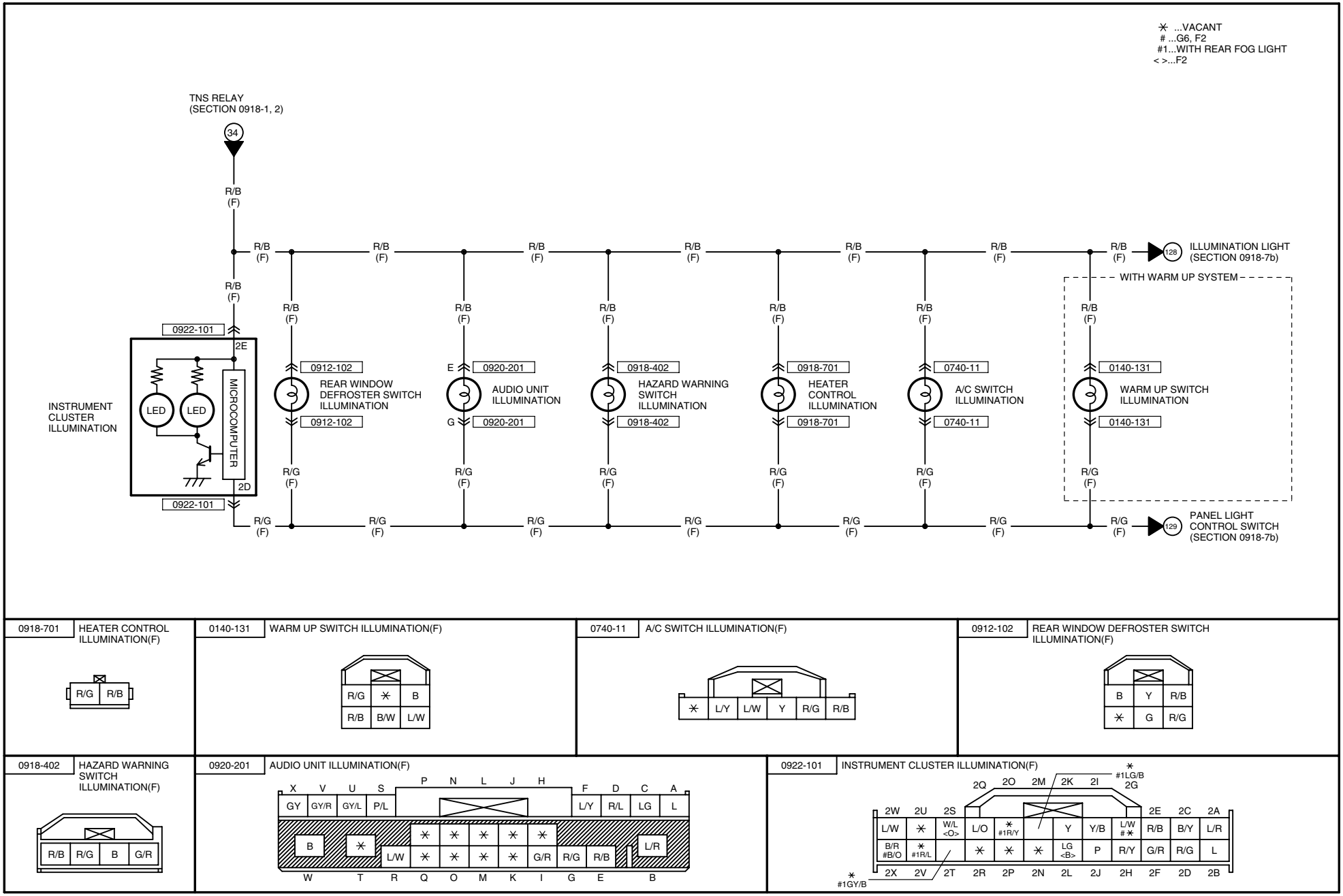
R	R/Y	G/Y
B	R/G	G

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HARNESS SYMBOL: (F) (E) (R)



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0918-701 HEATER CONTROL ILLUMINATION(F)

0140-131 WARM UP SWITCH ILLUMINATION(F)

0740-11 A/C SWITCH ILLUMINATION(F)

0912-102 REAR WINDOW DEFROSTER SWITCH ILLUMINATION(F)

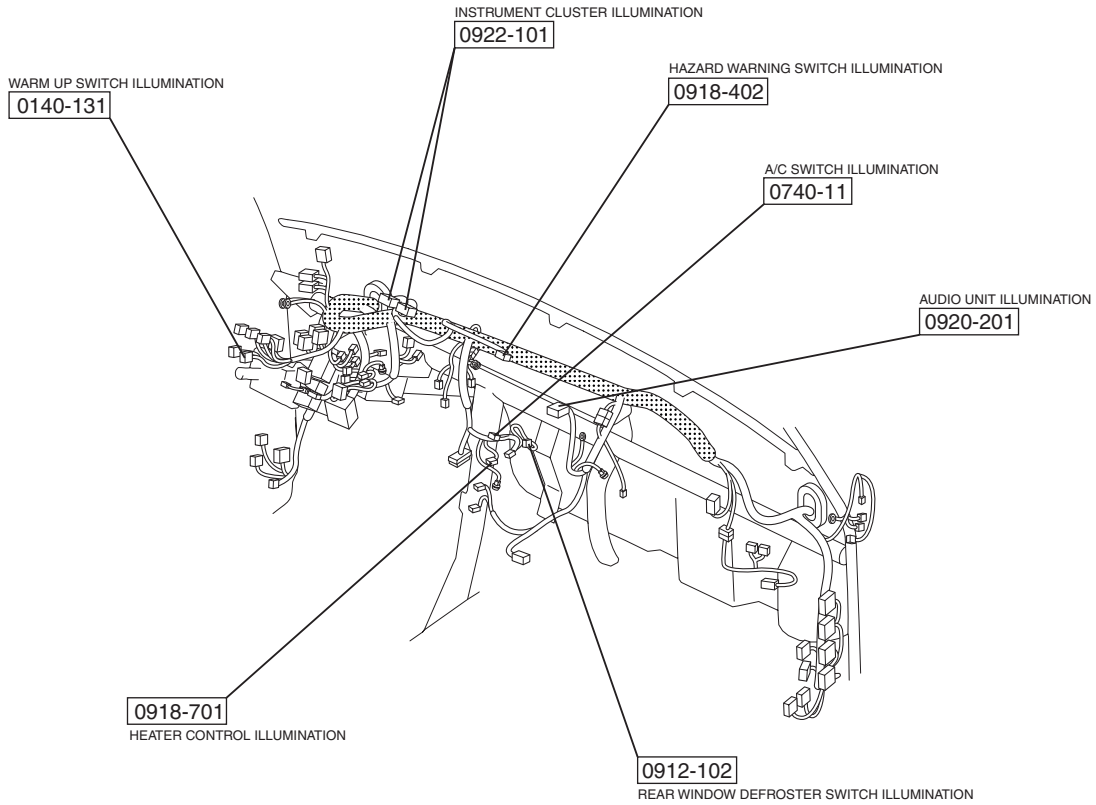
0918-402 HAZARD WARNING SWITCH ILLUMINATION(F)

0920-201 AUDIO UNIT ILLUMINATION(F)

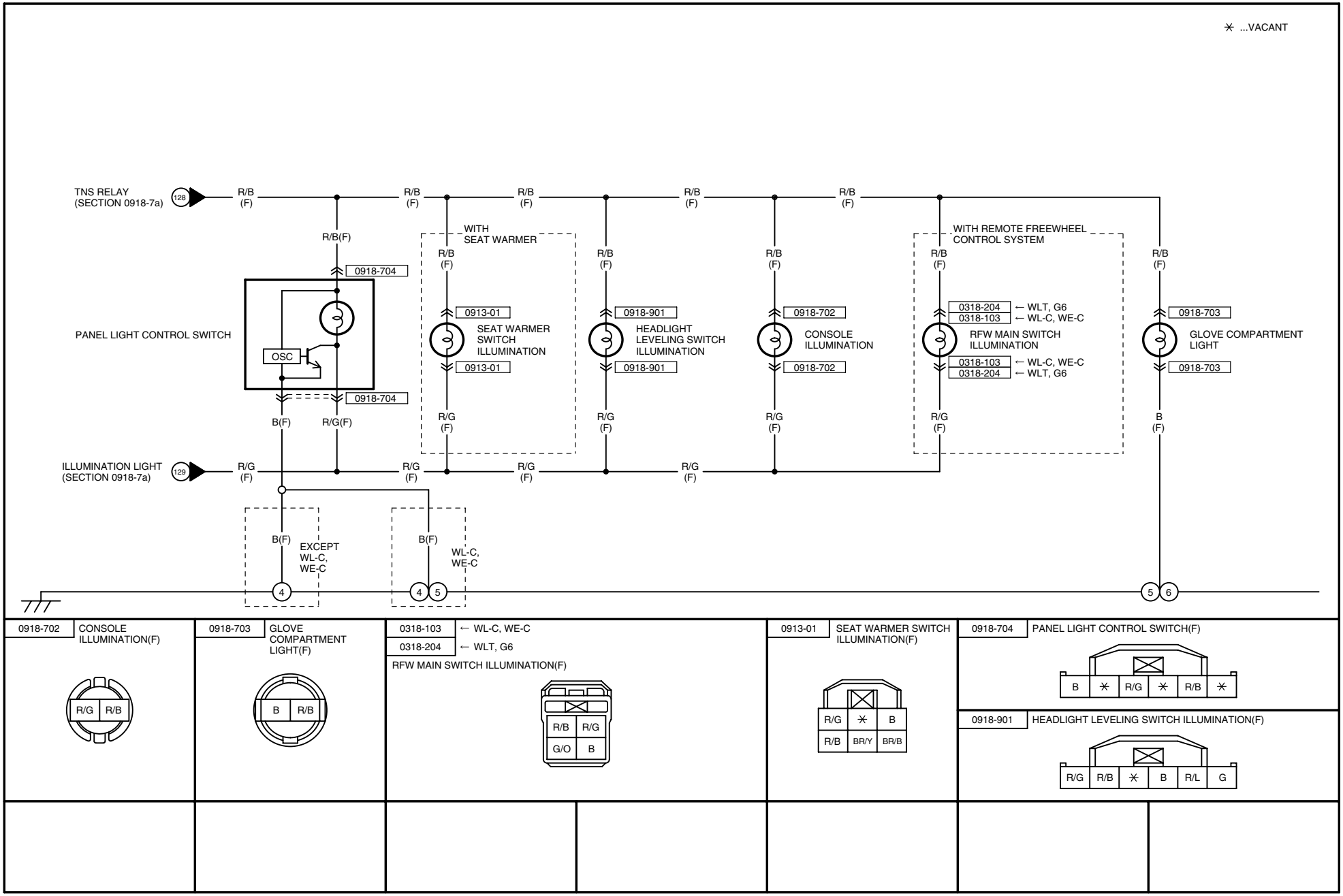
0922-101 INSTRUMENT CLUSTER ILLUMINATION(F)

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HARNESS SYMBOL: (F) (E) (R)

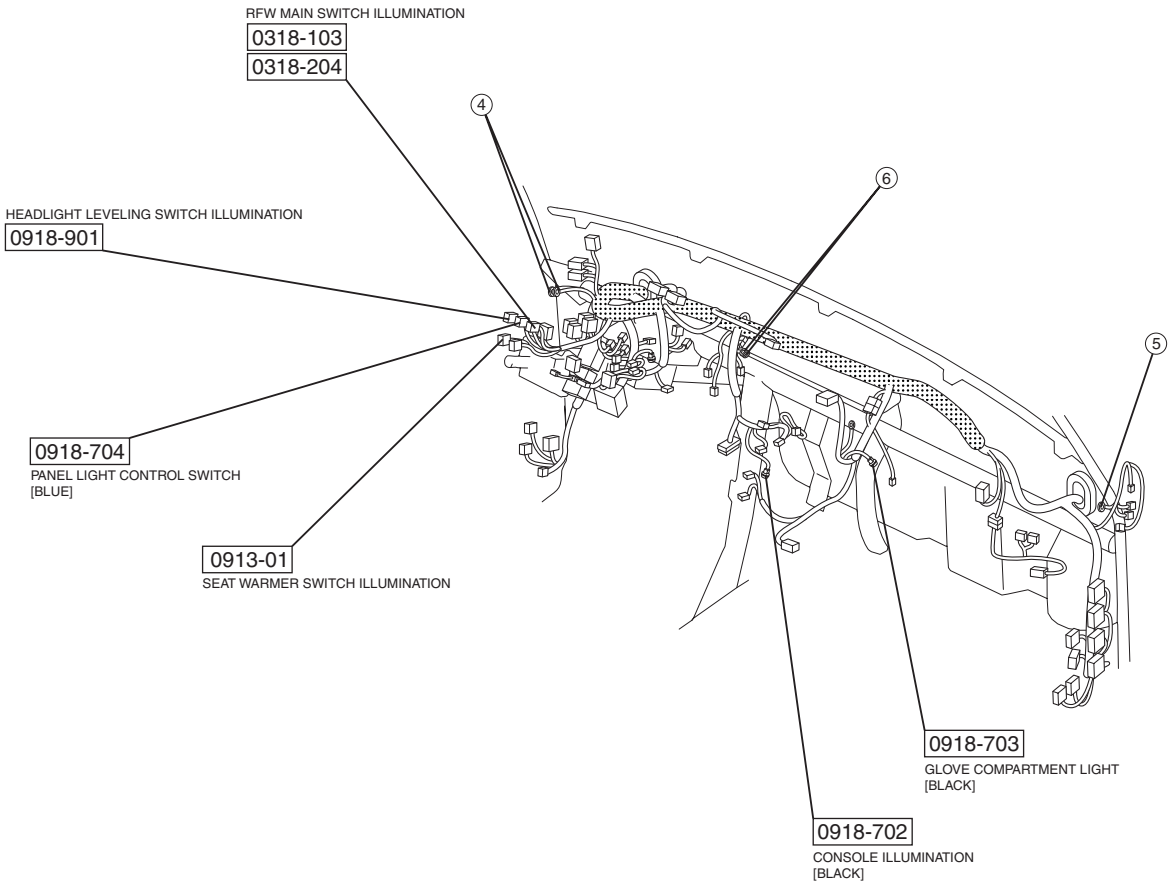


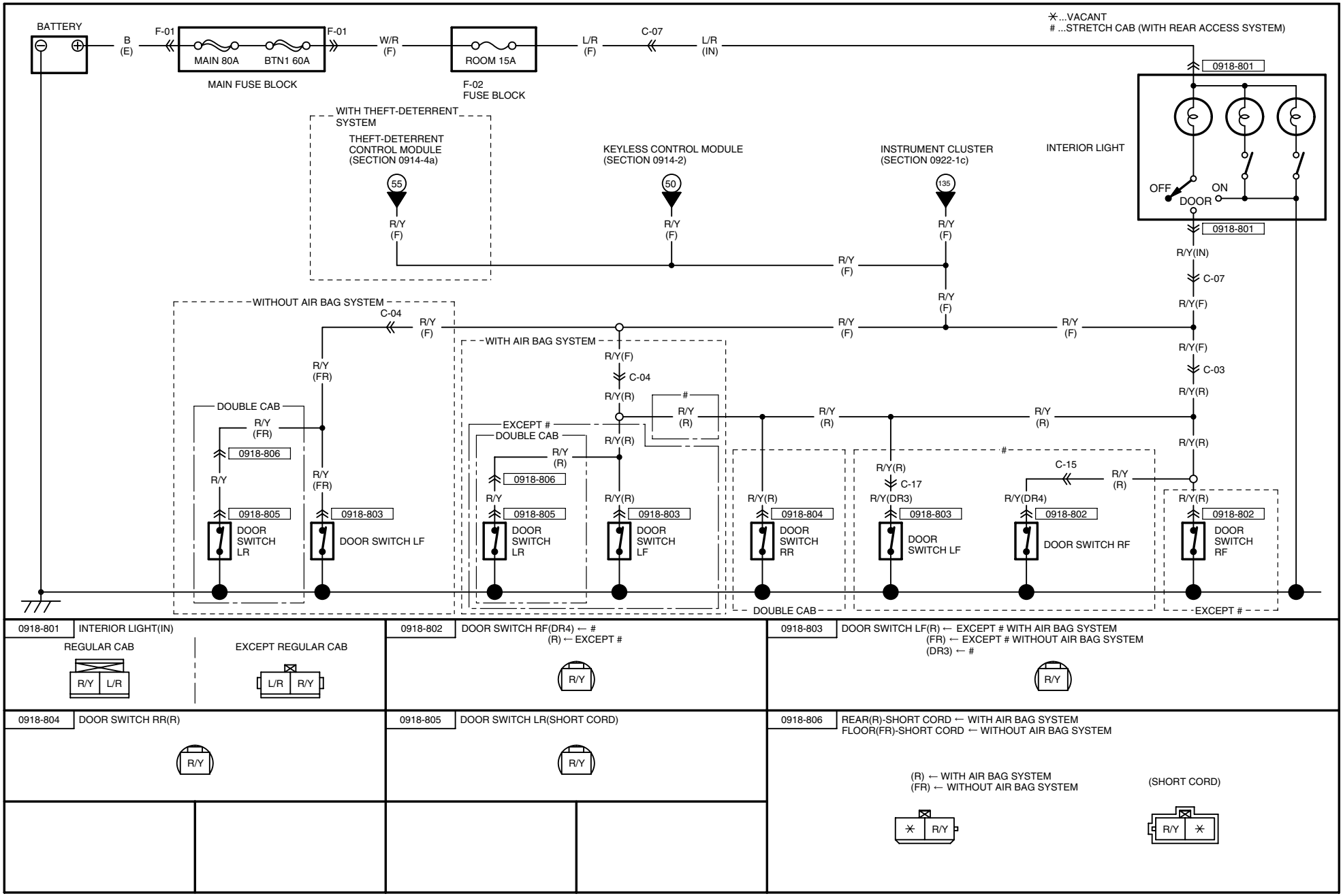
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0918-702 CONSOLE ILLUMINATION(F) R/G R/B	0918-703 GLOVE COMPARTMENT LIGHT(F) B R/B	0318-103 ← WL-C, WE-C 0318-204 ← WLT, G6 RFW MAIN SWITCH ILLUMINATION(F) R/B R/G G/O B	0913-01 SEAT WARMER SWITCH ILLUMINATION(F) R/G ✳ B R/B BR/Y BR/B	0918-704 PANEL LIGHT CONTROL SWITCH(F) B ✳ R/G ✳ R/B ✳	
				0918-901 HEADLIGHT LEVELING SWITCH ILLUMINATION(F) R/G R/B ✳ B R/L G	

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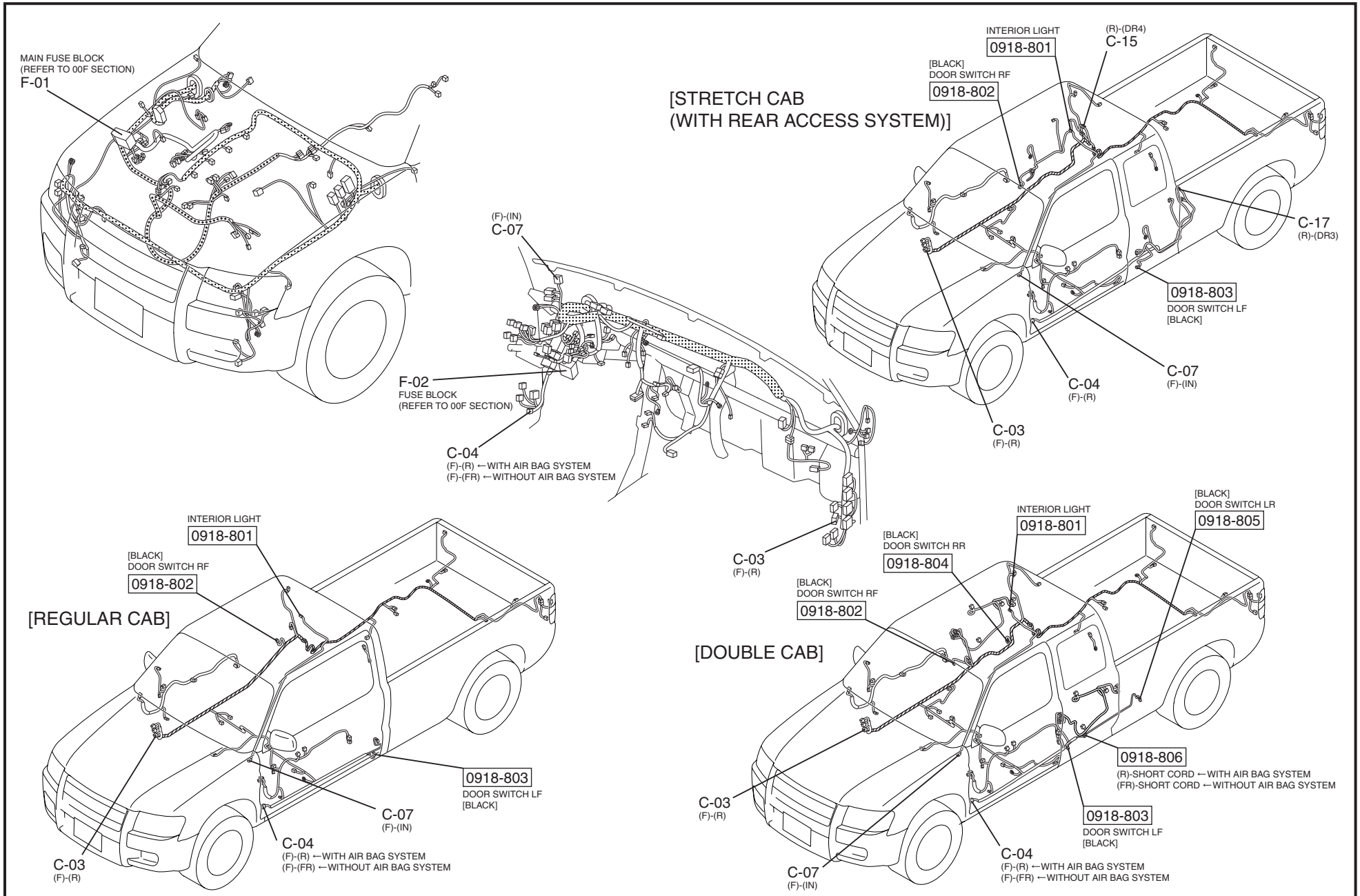




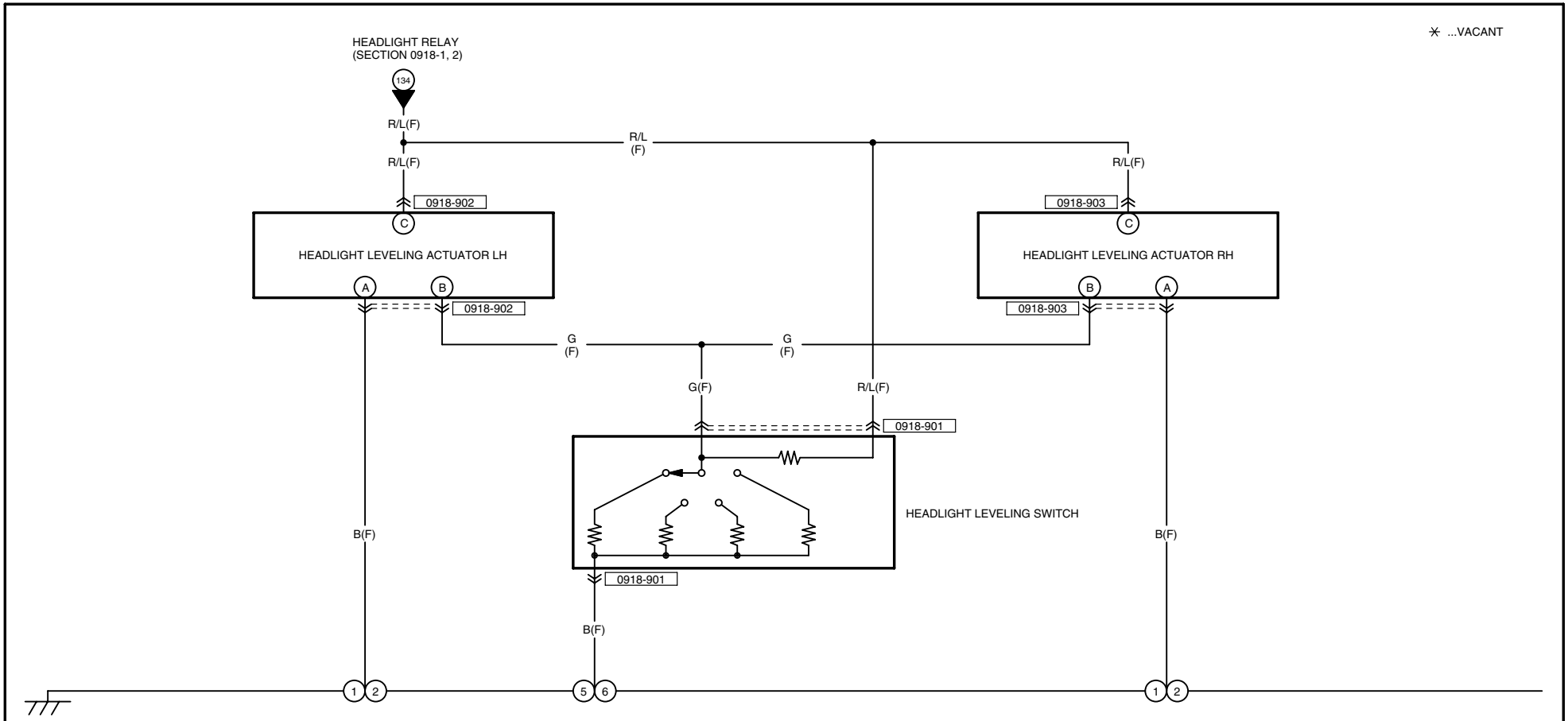
0918-801 INTERIOR LIGHT(IN) REGULAR CAB: R/Y | L/R EXCEPT REGULAR CAB: L/R | R/Y	0918-802 DOOR SWITCH RF(DR4) ← # (R) ← EXCEPT #	0918-803 DOOR SWITCH LF(R) ← EXCEPT # WITH AIR BAG SYSTEM (FR) ← EXCEPT # WITHOUT AIR BAG SYSTEM (DR3) ← #	
0918-804 DOOR SWITCH RR(R)	0918-805 DOOR SWITCH LR(SHORT CORD)	0918-806 REAR(R)-SHORT CORD ← WITH AIR BAG SYSTEM FLOOR(FR)-SHORT CORD ← WITHOUT AIR BAG SYSTEM (R) ← WITH AIR BAG SYSTEM (FR) ← WITHOUT AIR BAG SYSTEM (SHORT CORD)	

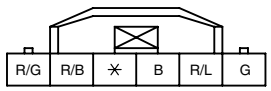
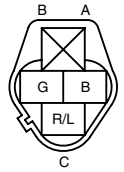
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



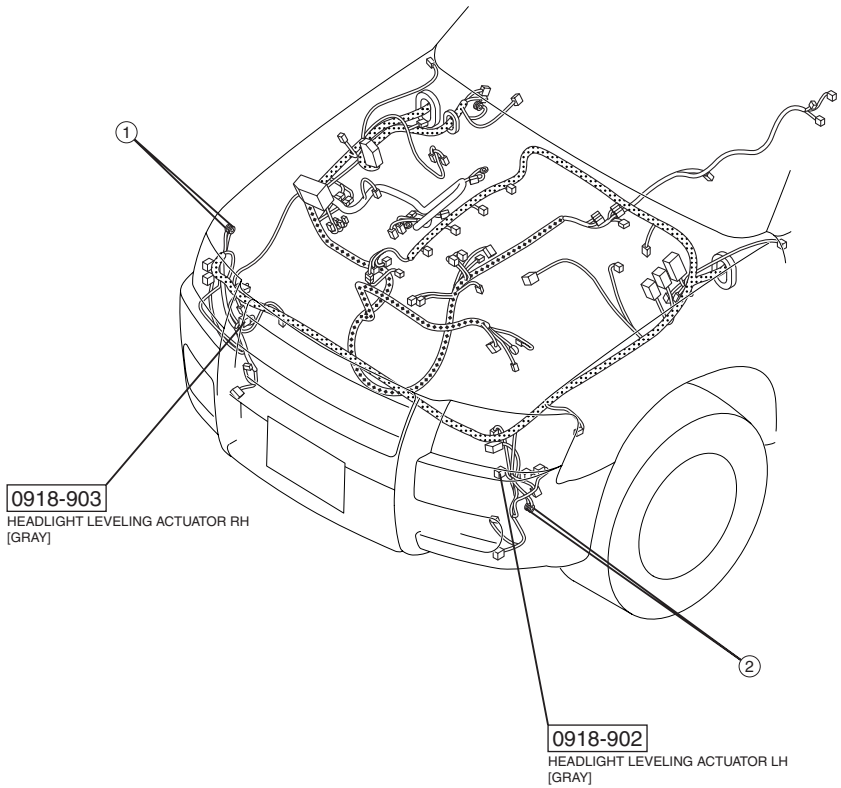
www.truck-freeworkshop.com

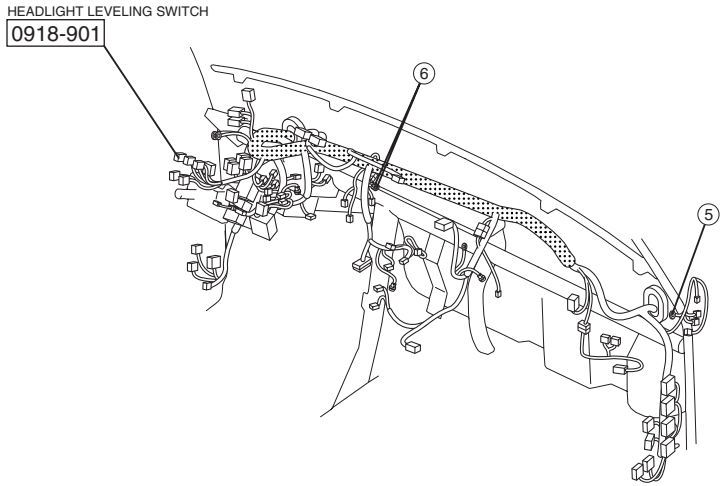


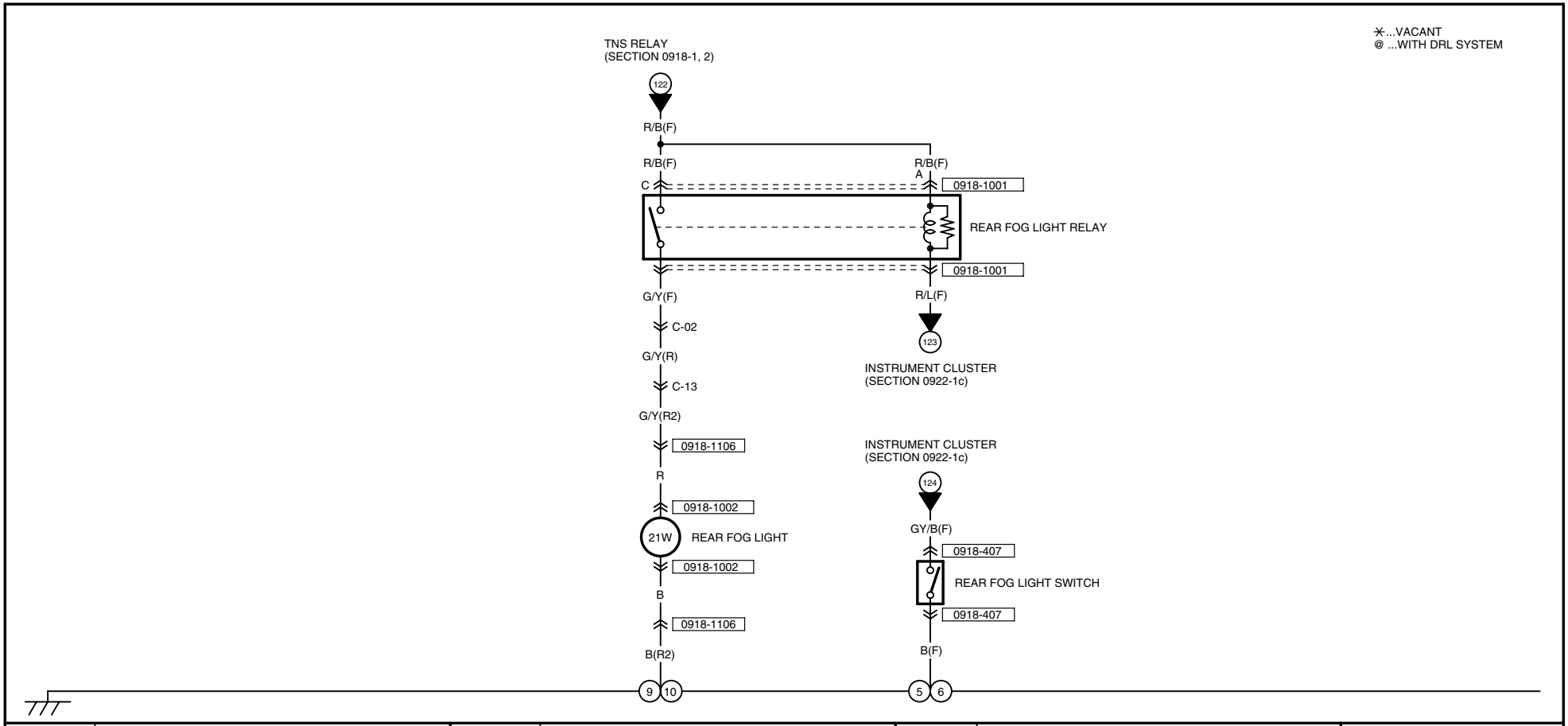
0918-901 HEADLIGHT LEVELING SWITCH(F)	0918-902 HEADLIGHT LEVELING ACTUATOR LH(F)	0918-903 HEADLIGHT LEVELING ACTUATOR RH(F)
		

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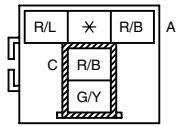
HARNESS SYMBOL: (F) (E) (R)



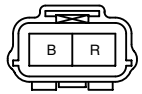




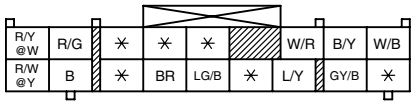
0918-1001 REAR FOG LIGHT RELAY(F)



0918-1002 REAR FOG LIGHT(SHORT CORD)

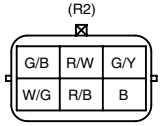


0918-407 REAR FOG LIGHT SWITCH(F)



0918-1106 REAR No.2(R2)-SHORT CORD

(R2)

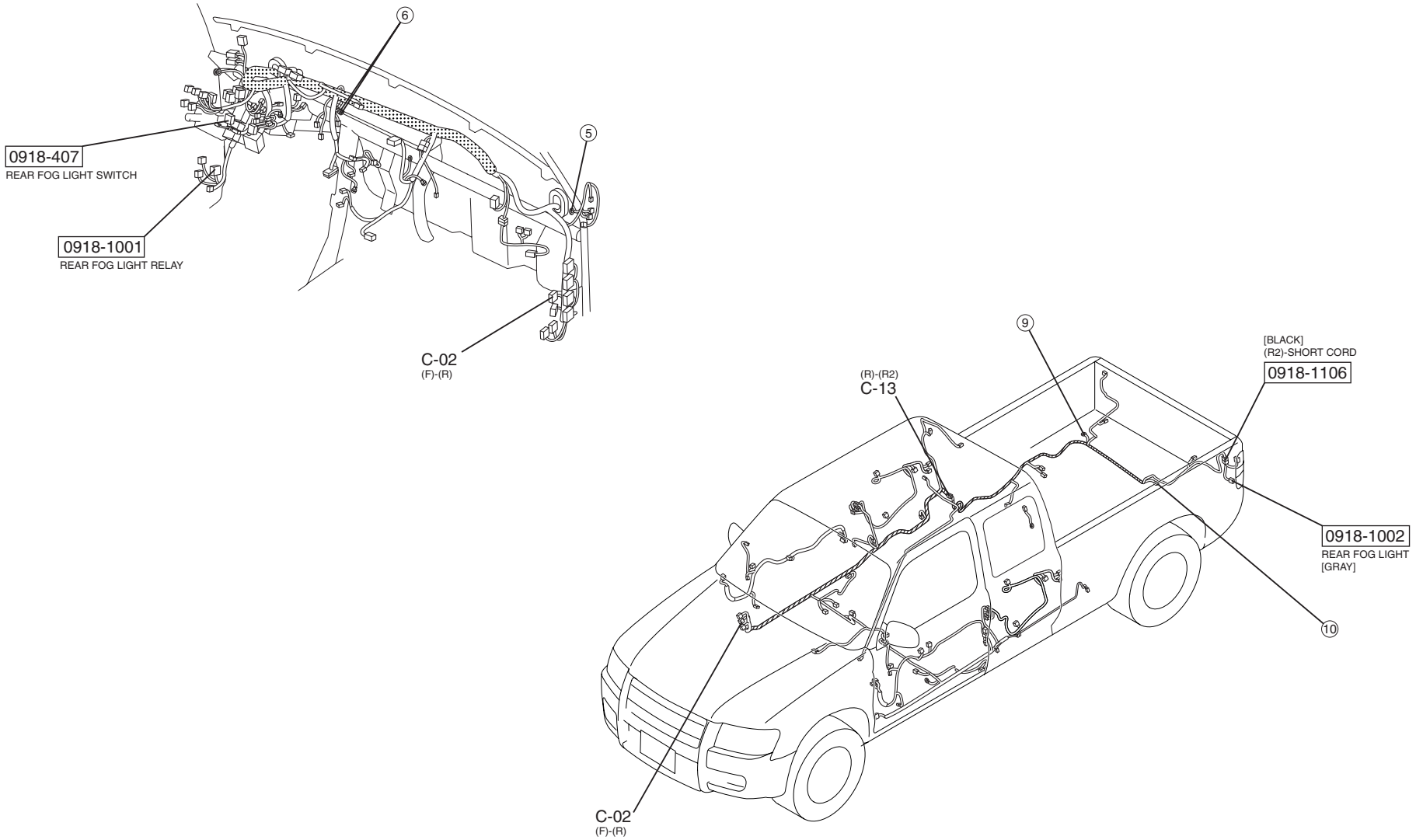


(SHORT CORD)

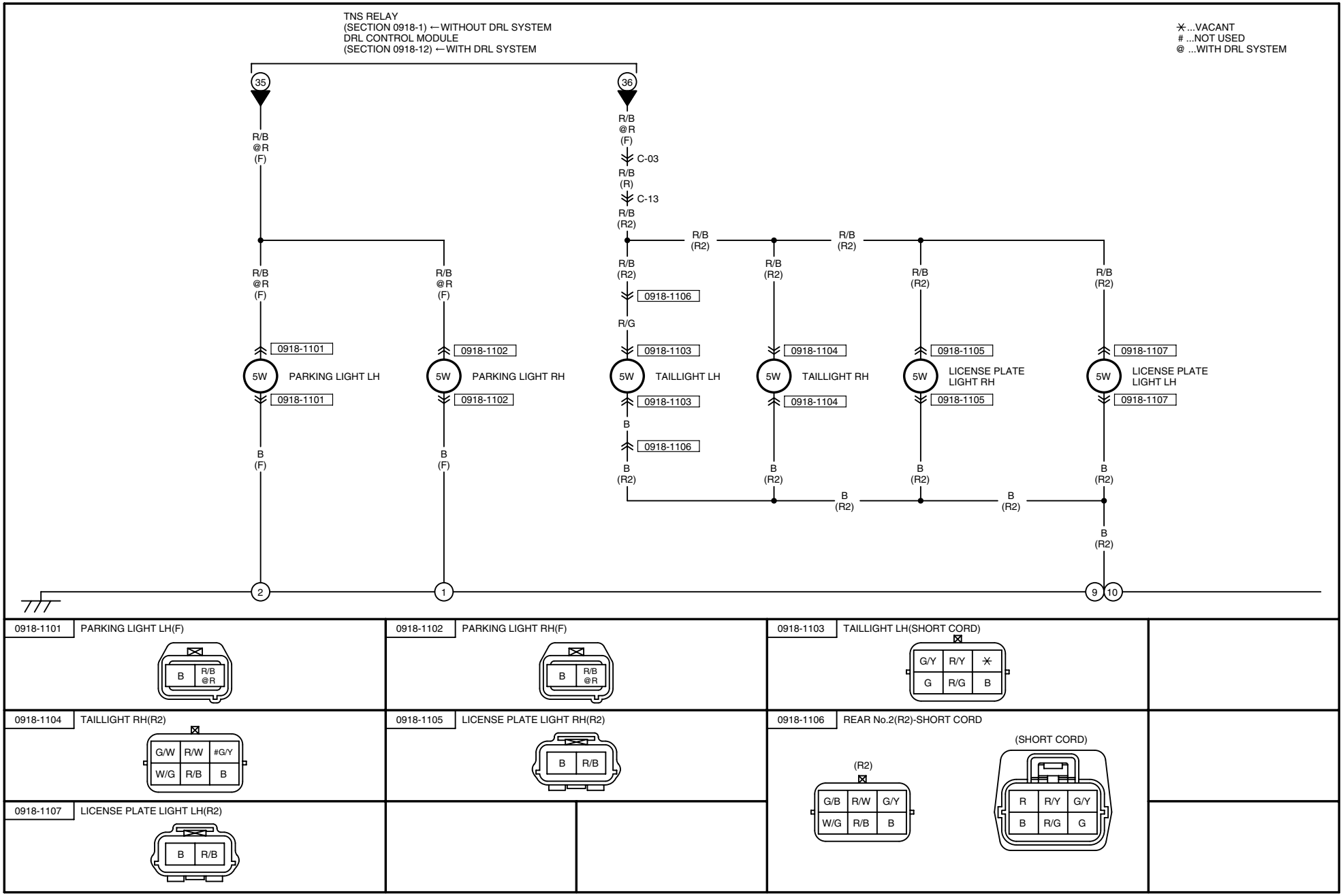


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HARNESS SYMBOL: (F) (E) (R)



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0918-1101 PARKING LIGHT LH(F)

0918-1102 PARKING LIGHT RH(F)

0918-1103 TAILLIGHT LH(SHORT CORD)

0918-1104 TAILLIGHT RH(R2)

0918-1105 LICENSE PLATE LIGHT RH(R2)

0918-1106 REAR No.2(R2)-SHORT CORD

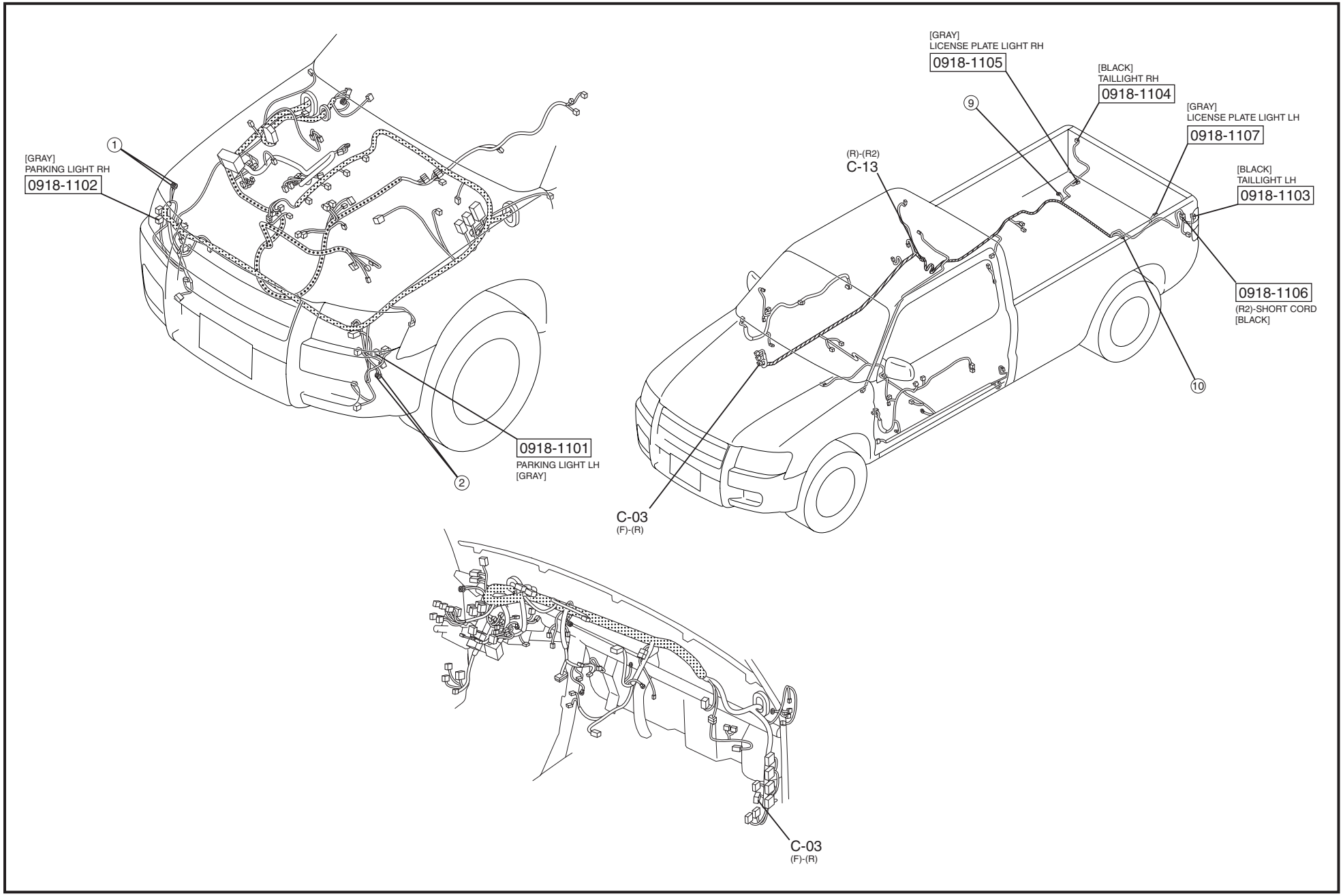
(R2)

(SHORT CORD)

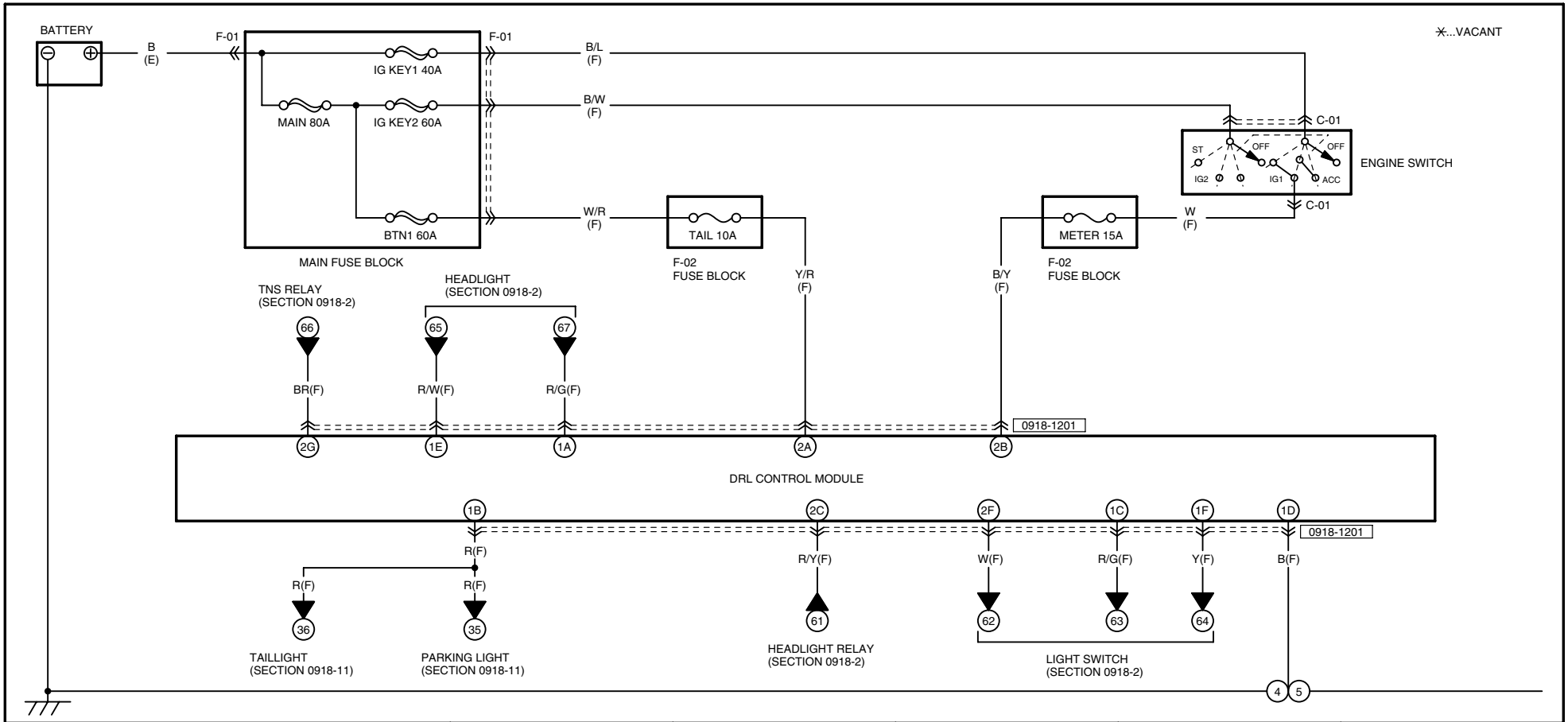
0918-1107 LICENSE PLATE LIGHT LH(R2)

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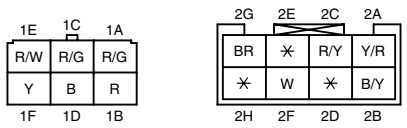
HARNESS SYMBOL: (F) (E) (R)



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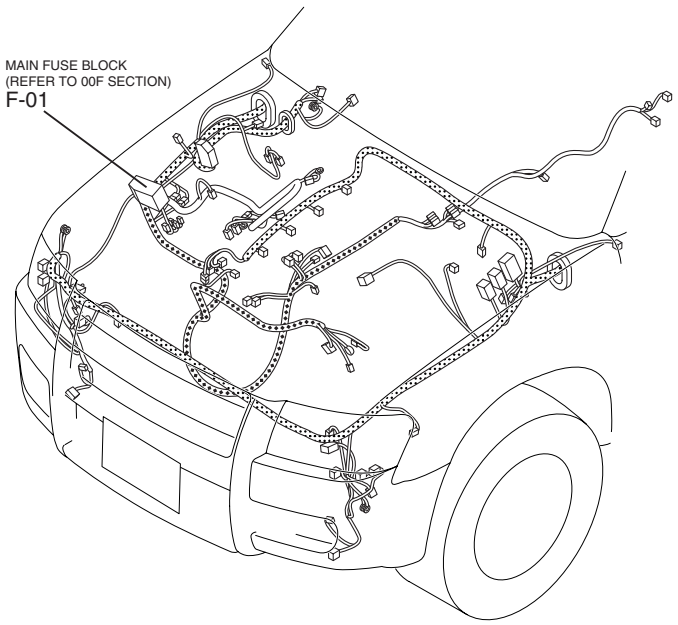


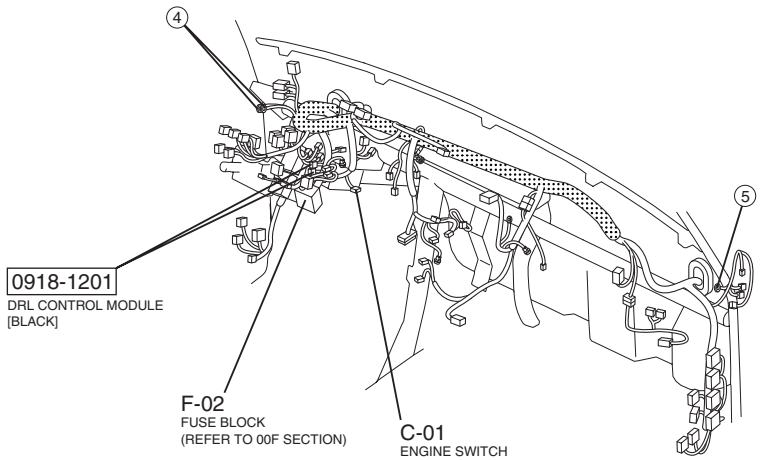
0918-1201 DRL CONTROL MODULE(F)



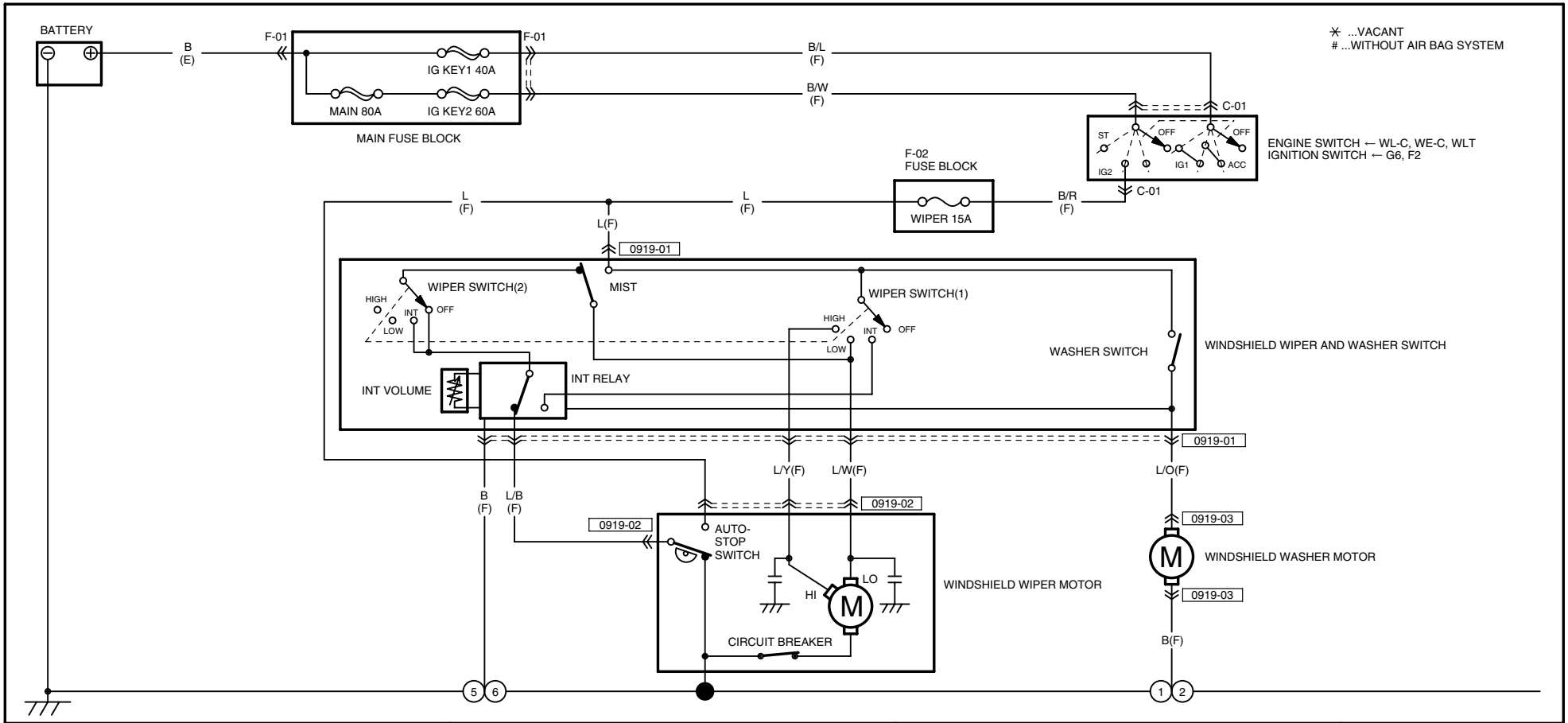
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HARNESS SYMBOL: (F) (E) (R)





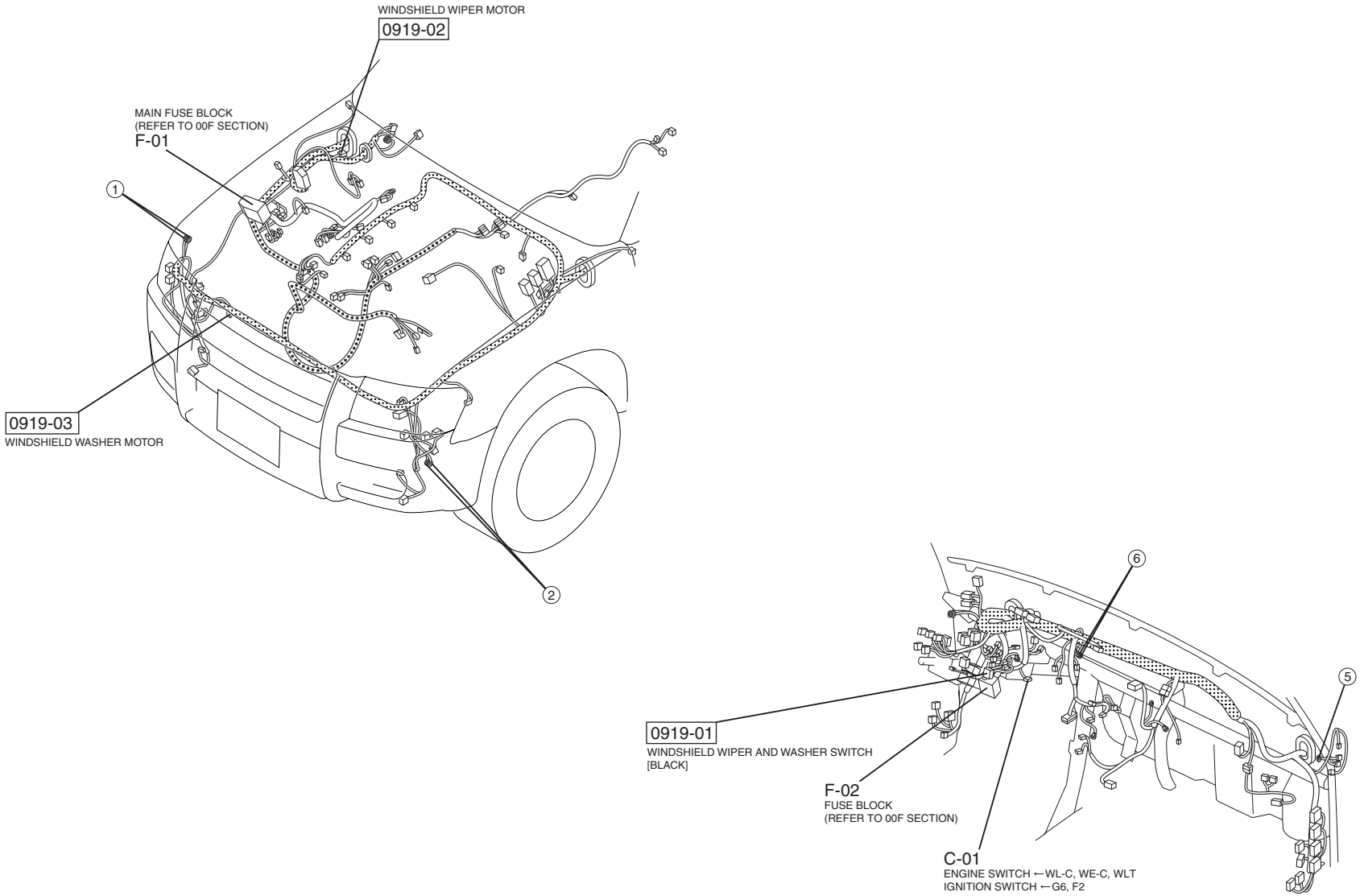
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0919-01 WINDSHIELD WIPER AND WASHER SWITCH(F)	0919-02 WINDSHIELD WIPER MOTOR(F)	0919-03 WINDSHIELD WASHER MOTOR(F)
✳ #G/R, L/Y, ✳, L/W, ✳, L/O, ✳ ✳, L, L/B, ✳, B, ✳, ✳, ✳	L/W, L/Y L, L/B	B L/O

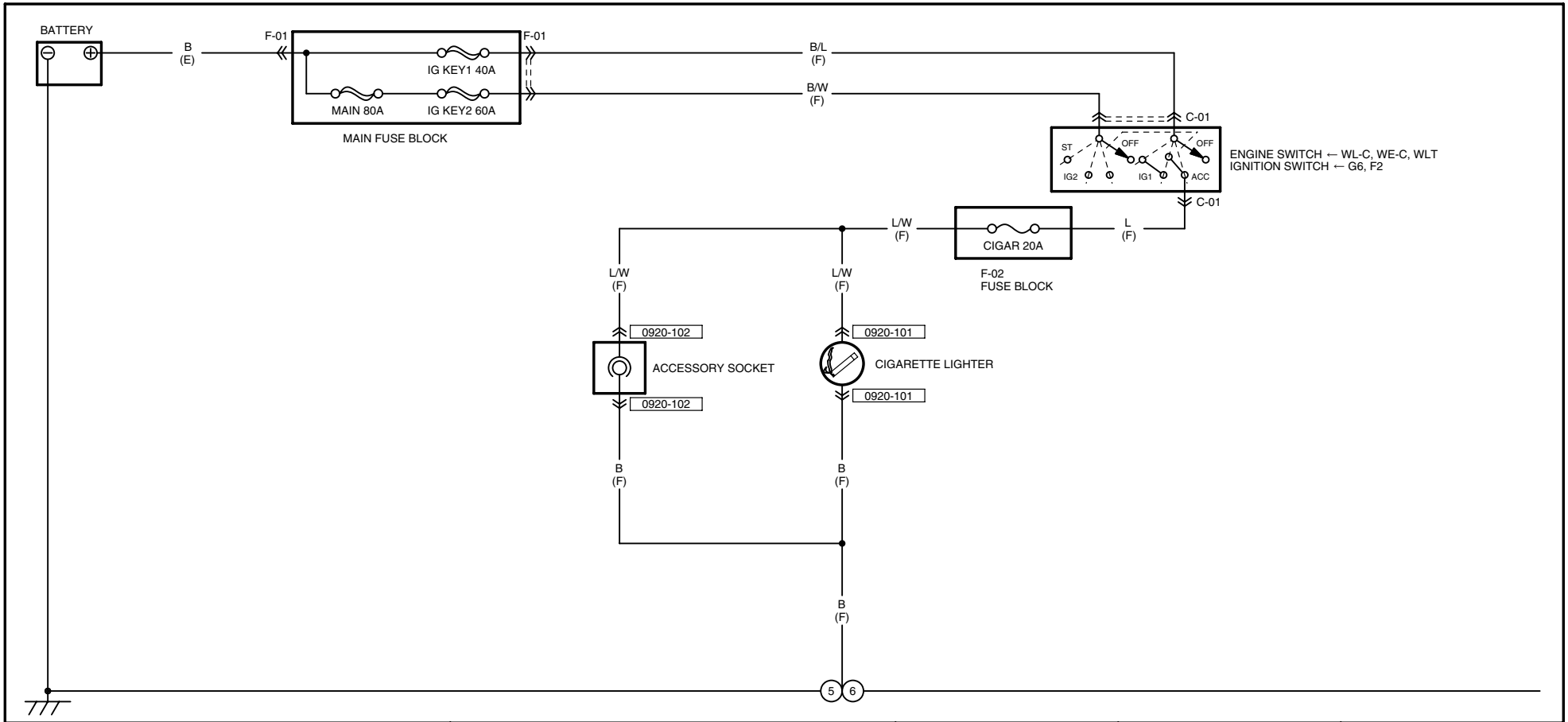
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



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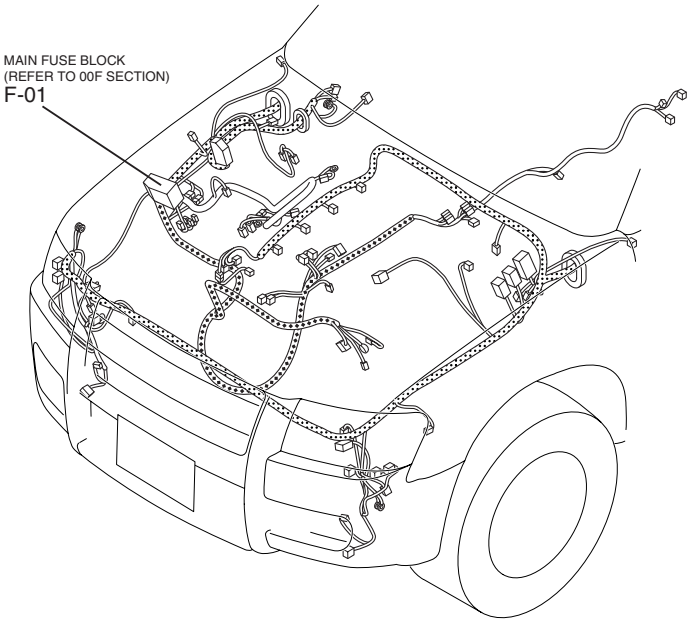
ACCESSORY SOCKET / CIGARETTE LIGHTER

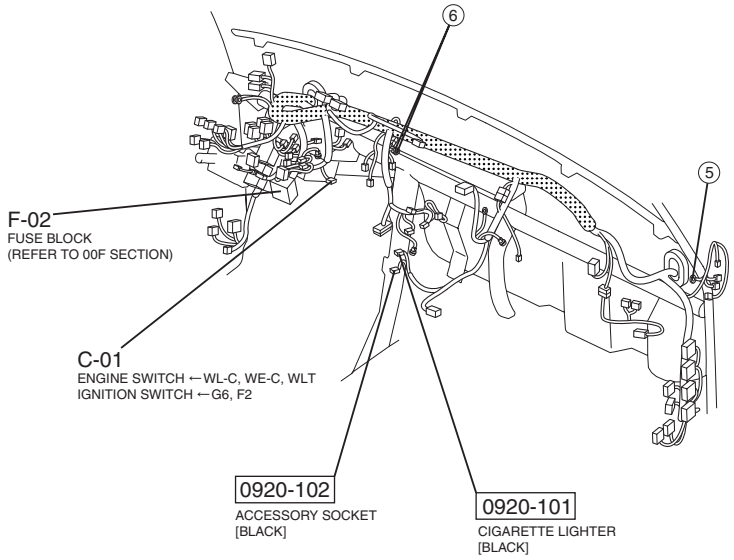


0920-101 CIGARETTE LIGHTER(F) 		0920-102 ACCESSORY SOCKET(F) 				

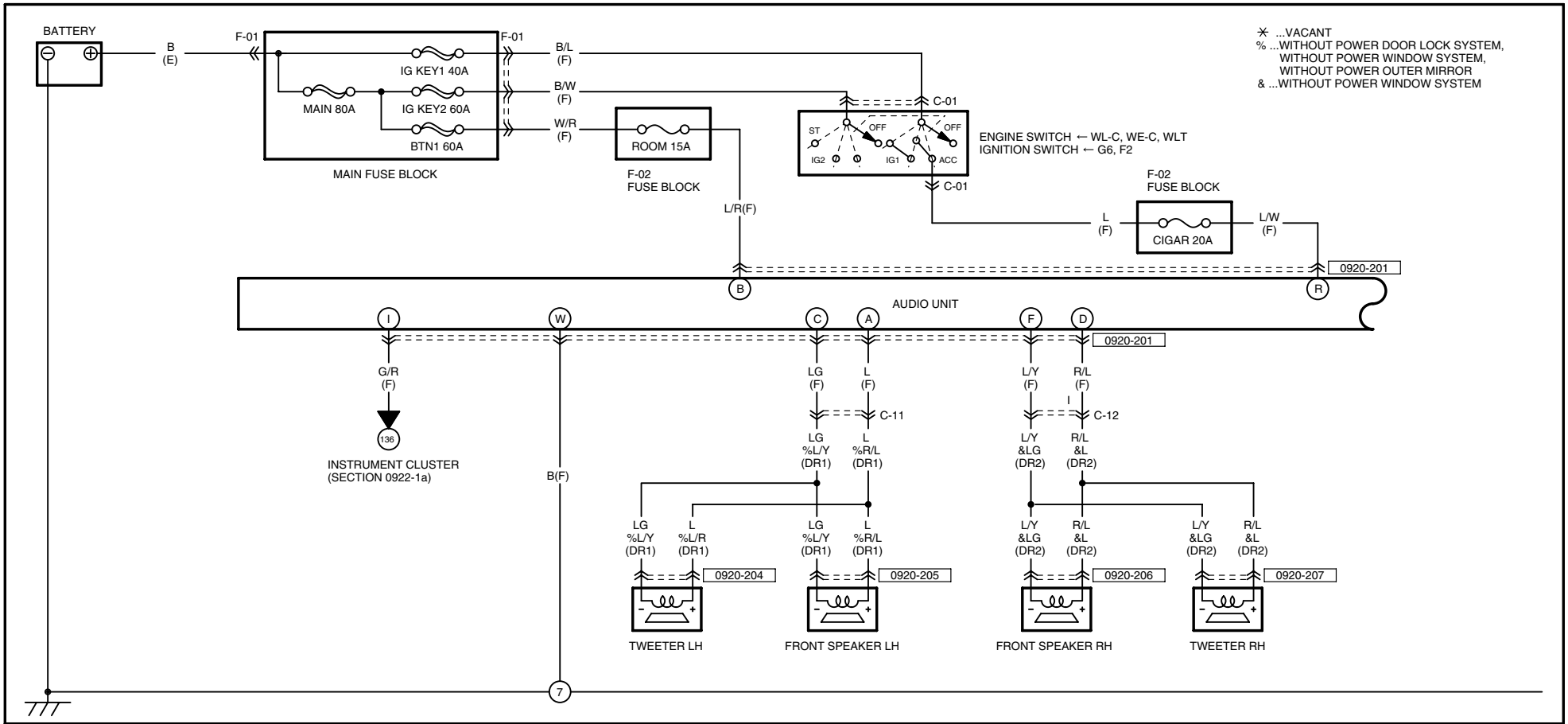
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HARNESS SYMBOL: (F) (E) (R)

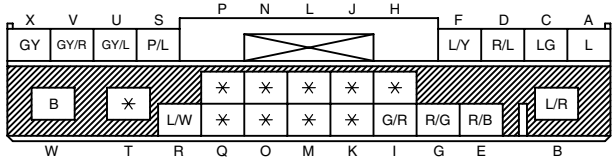




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0920-201 AUDIO UNIT(F)



0920-204 TWEETER LH(DR1)



0920-205 FRONT SPEAKER LH(DR1)



0920-206 FRONT SPEAKER RH(DR2)

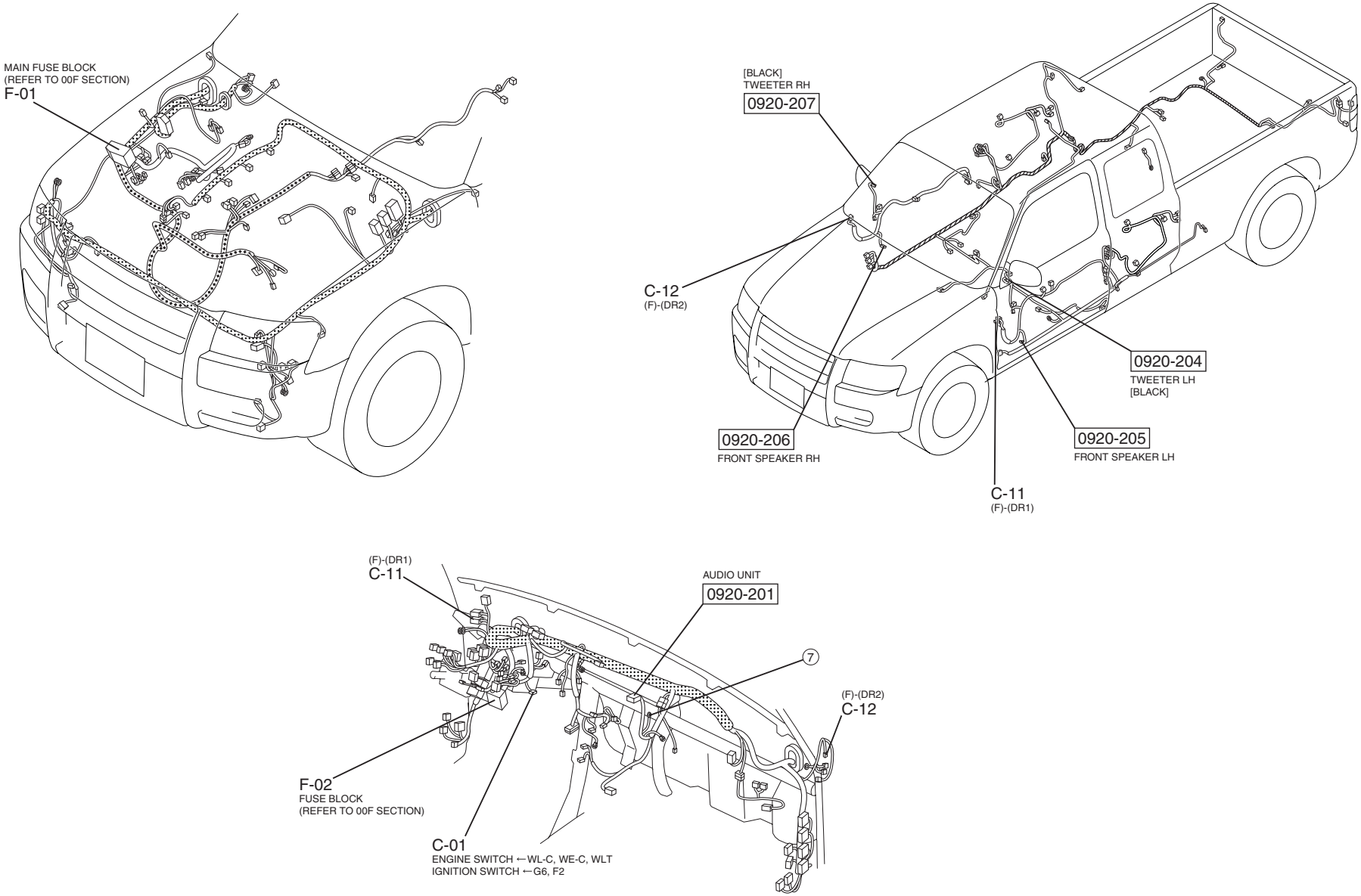


0920-207 TWEETER RH(DR2)



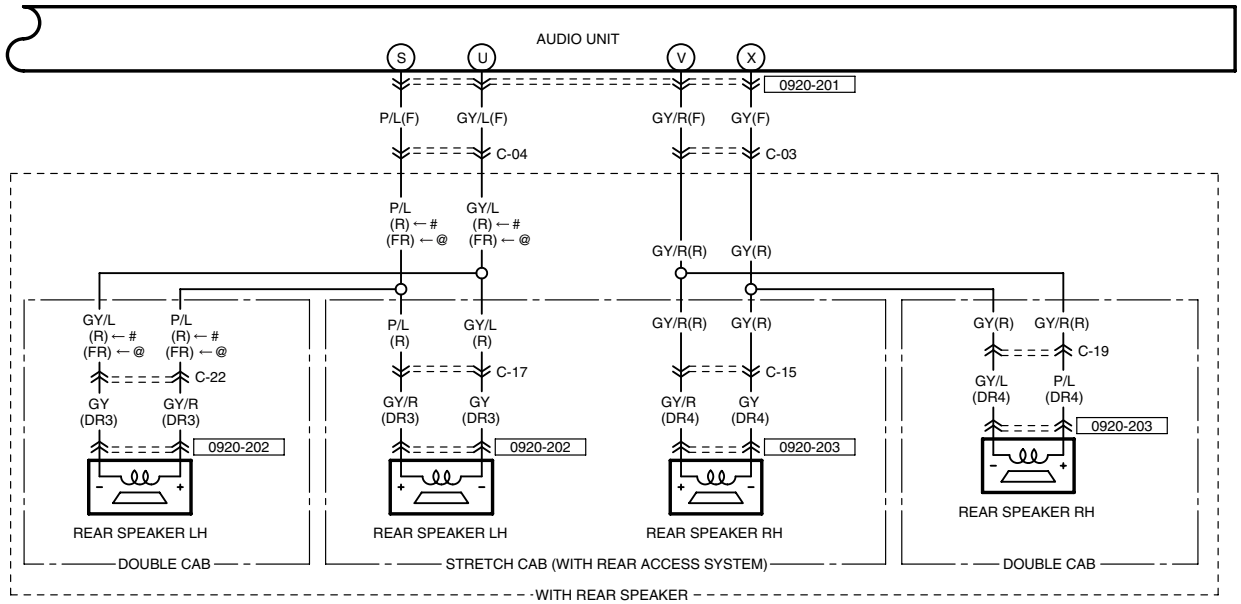
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HARNESS SYMBOL: (F) (E) (R)

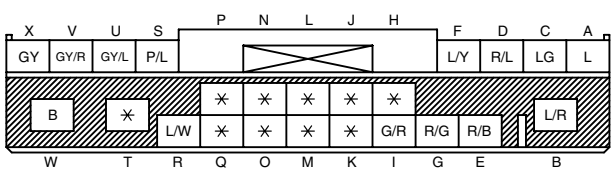


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✳ ...VACANT
...WITH AIR BAG SYSTEM
@ ...WITHOUT AIR BAG SYSTEM
※...DOUBLE CAB



0920-201 AUDIO UNIT(F)



0920-202 REAR SPEAKER LH(DR3)

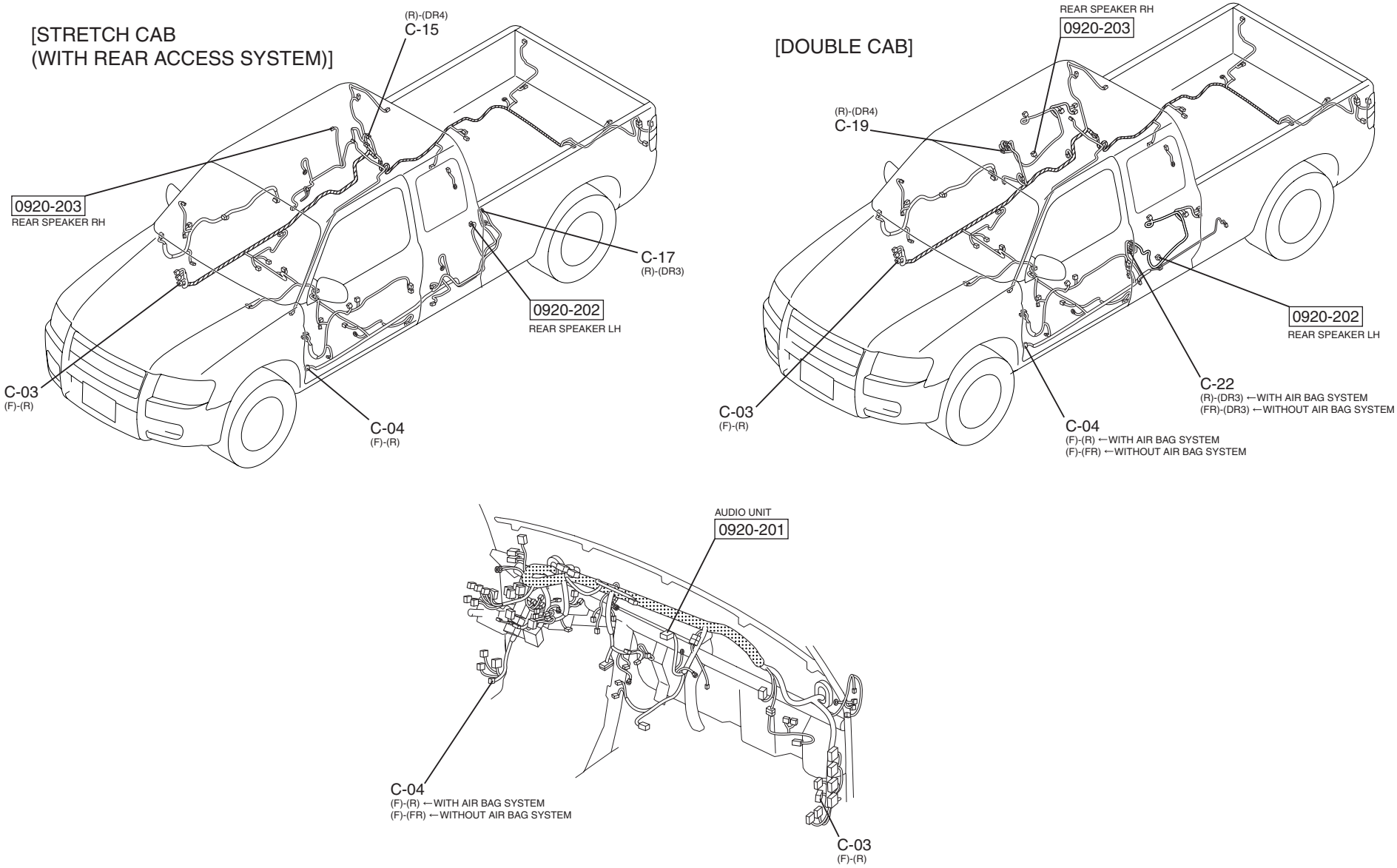


0920-203 REAR SPEAKER RH(DR4)

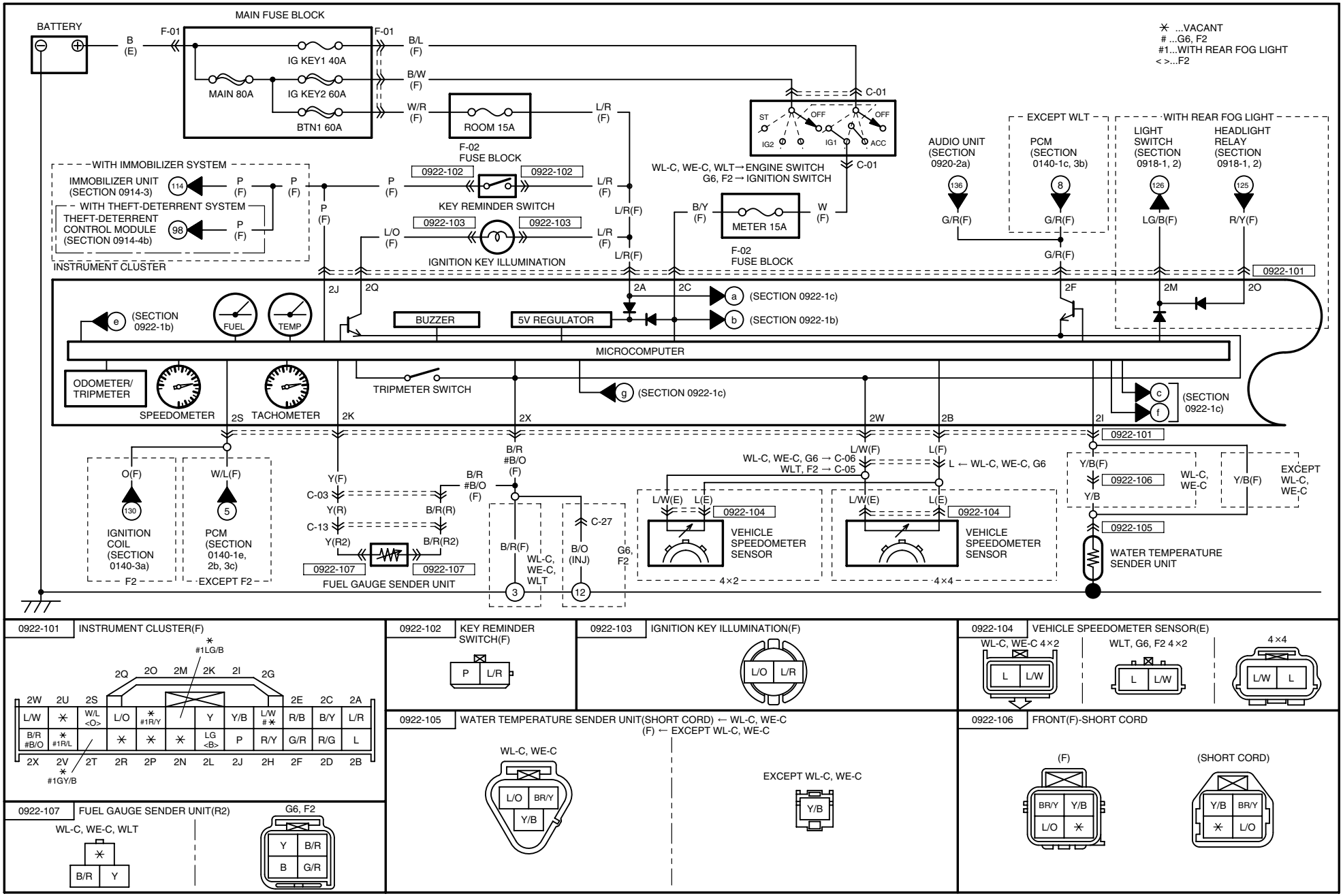


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HARNESS SYMBOL: (F) (E) (R)

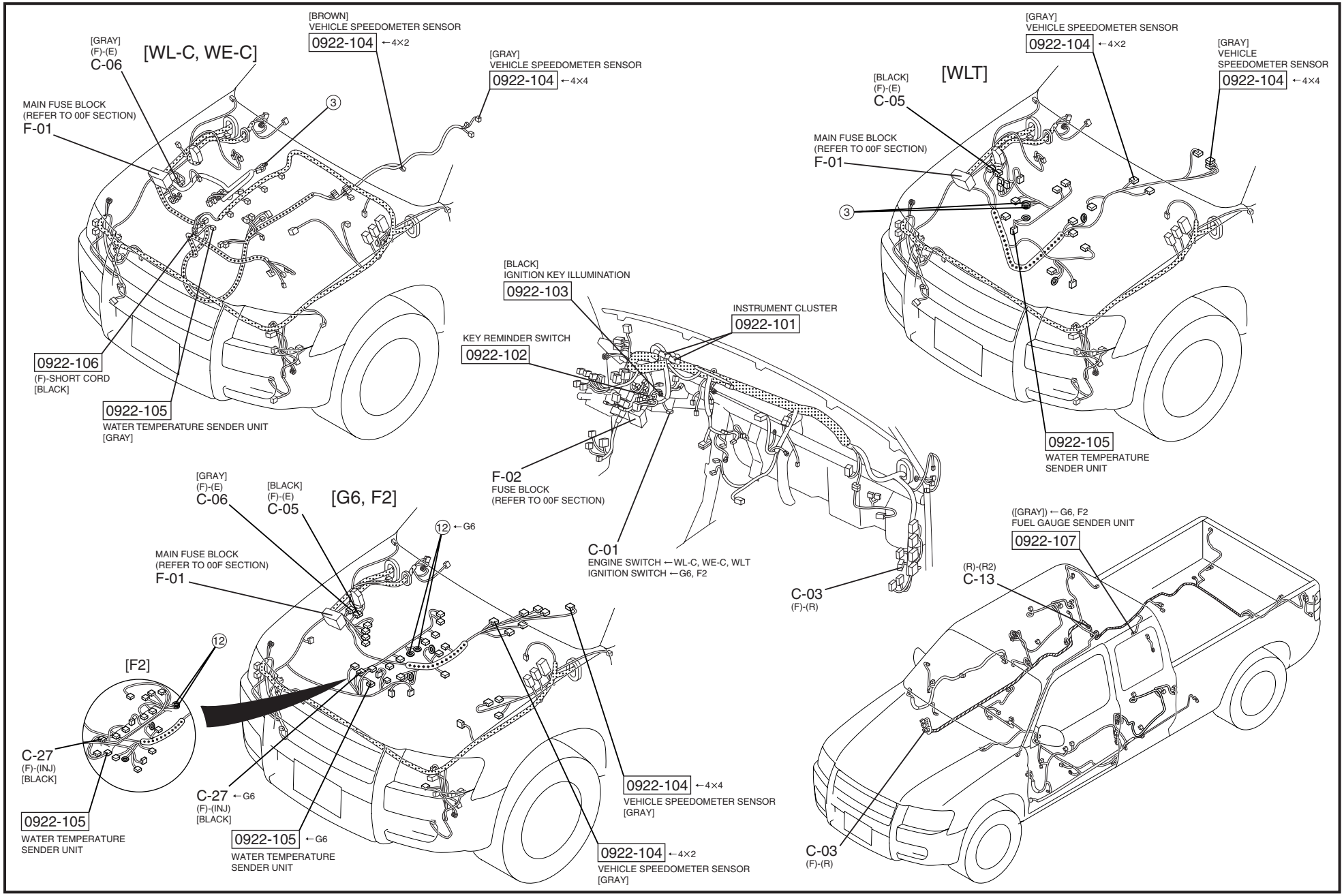


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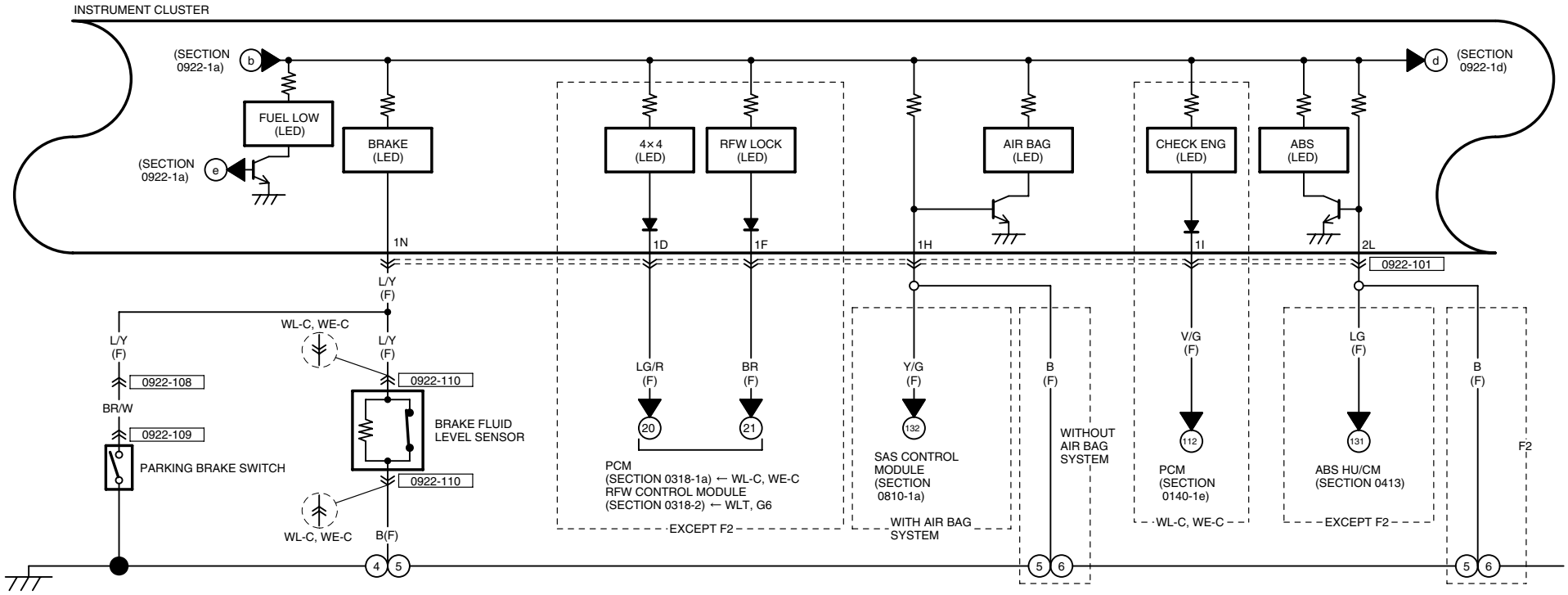
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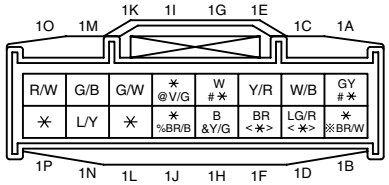


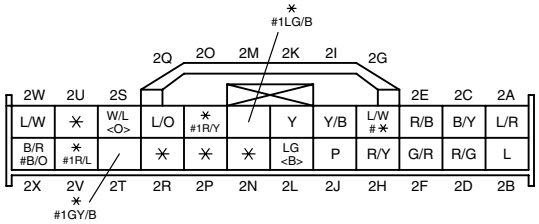
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✳ ...VACANT
@ ...WL-C, WE-C
% ...WITH IMMOBILIZER SYSTEM
...G6, F2
& ...WITH AIR BAG SYSTEM
< >...F2
※ ...WITH BUCKLE SWITCH
#1...WITH REAR FOG LIGHT

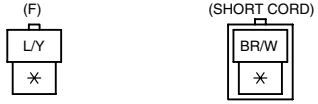


0922-101 INSTRUMENT CLUSTER(F)





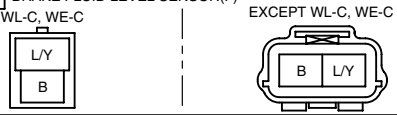
0922-108 FRONT(F)-SHORT CORD



0922-109 PARKING BRAKE SWITCH(SHORT CORD)

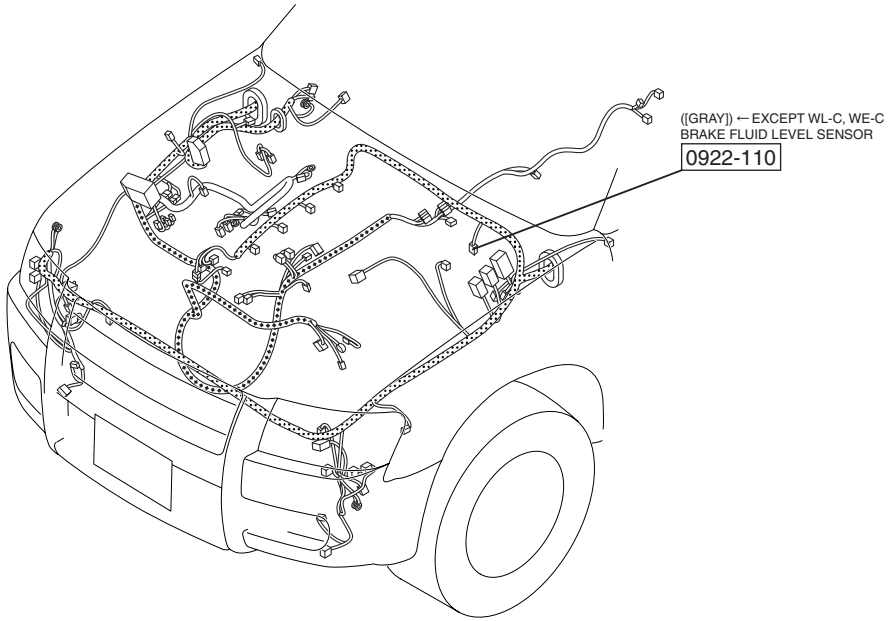


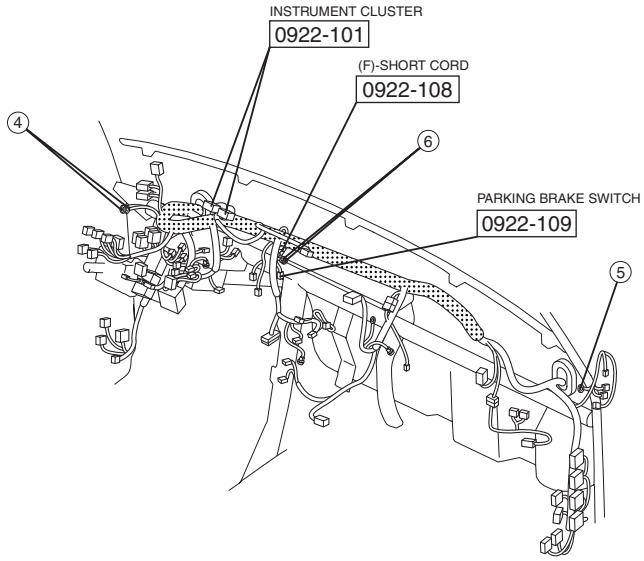
0922-110 BRAKE FLUID LEVEL SENSOR(F)



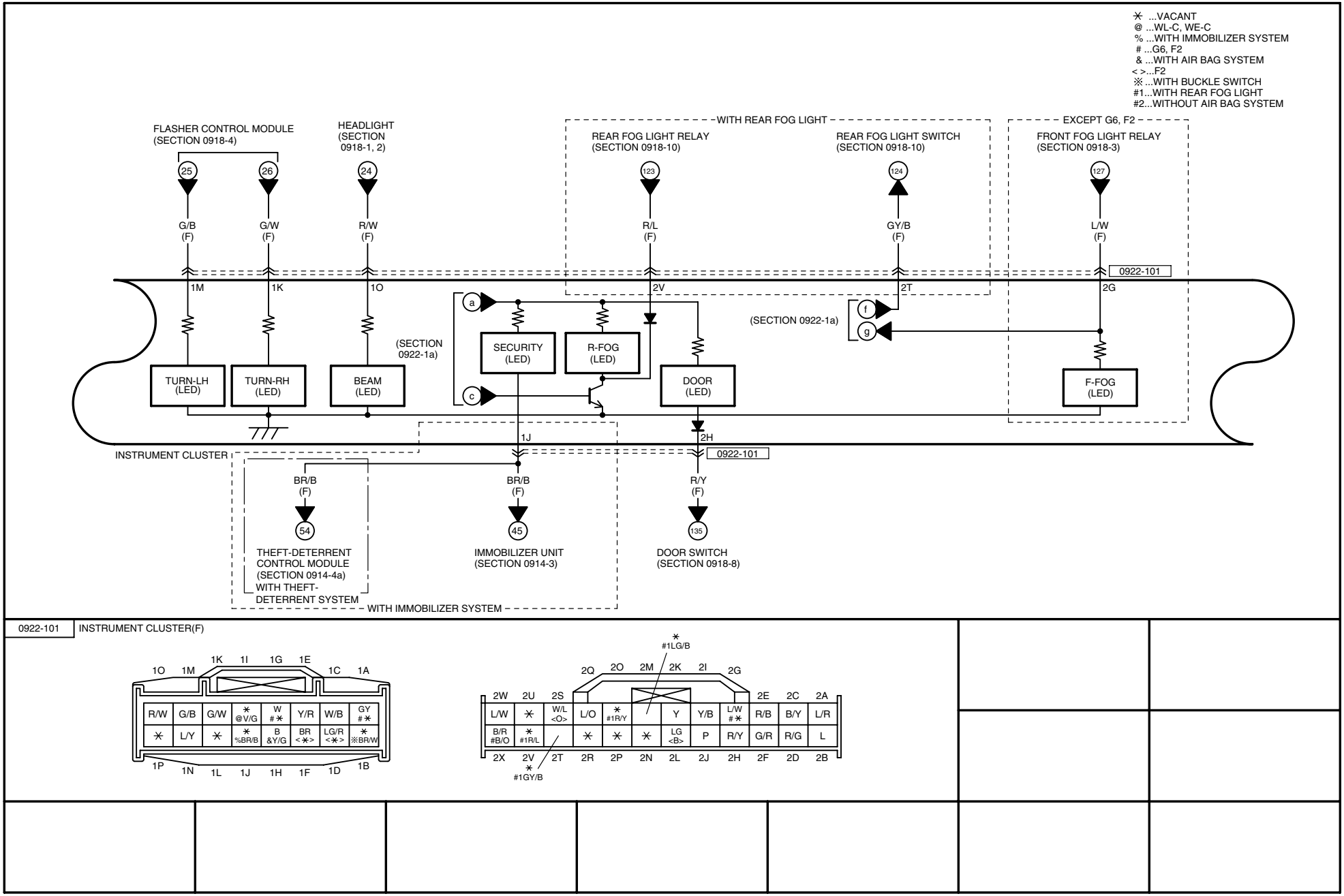
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HARNESS SYMBOL: (F) (E) (R)





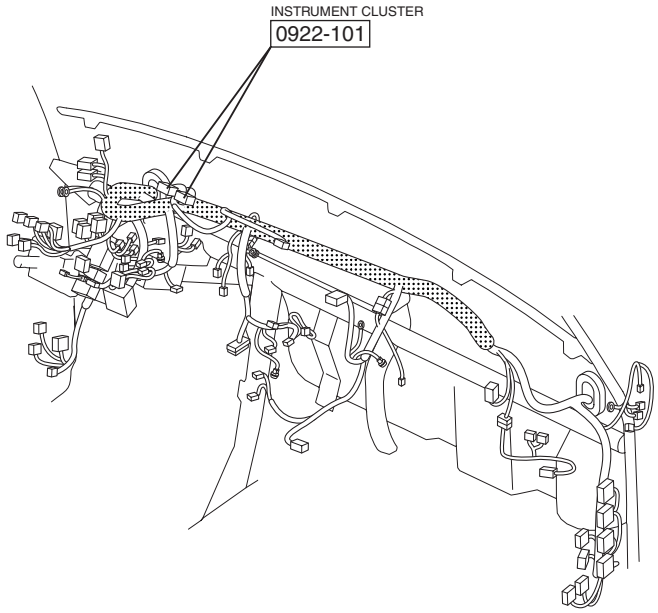
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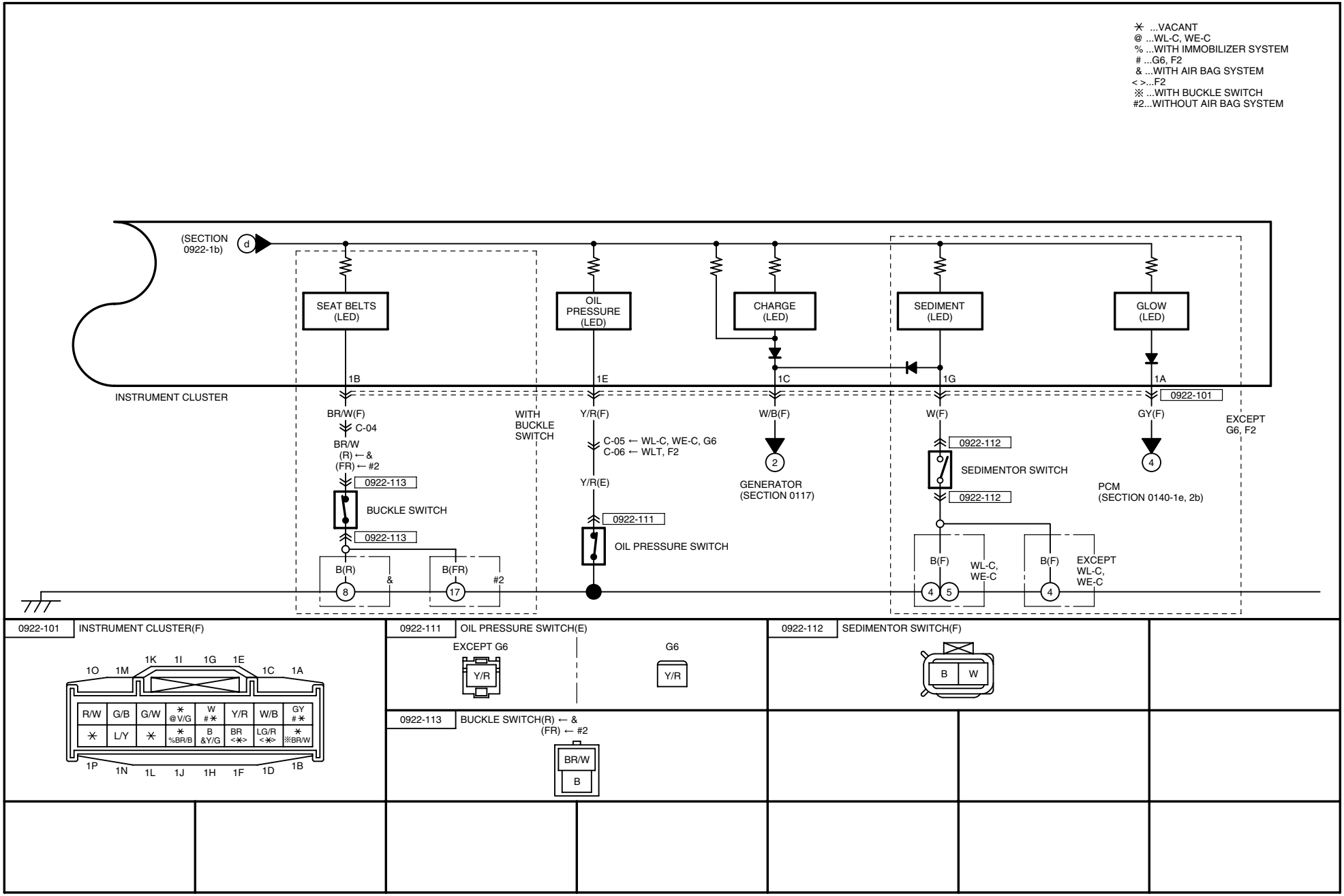
0922-101 INSTRUMENT CLUSTER(F)

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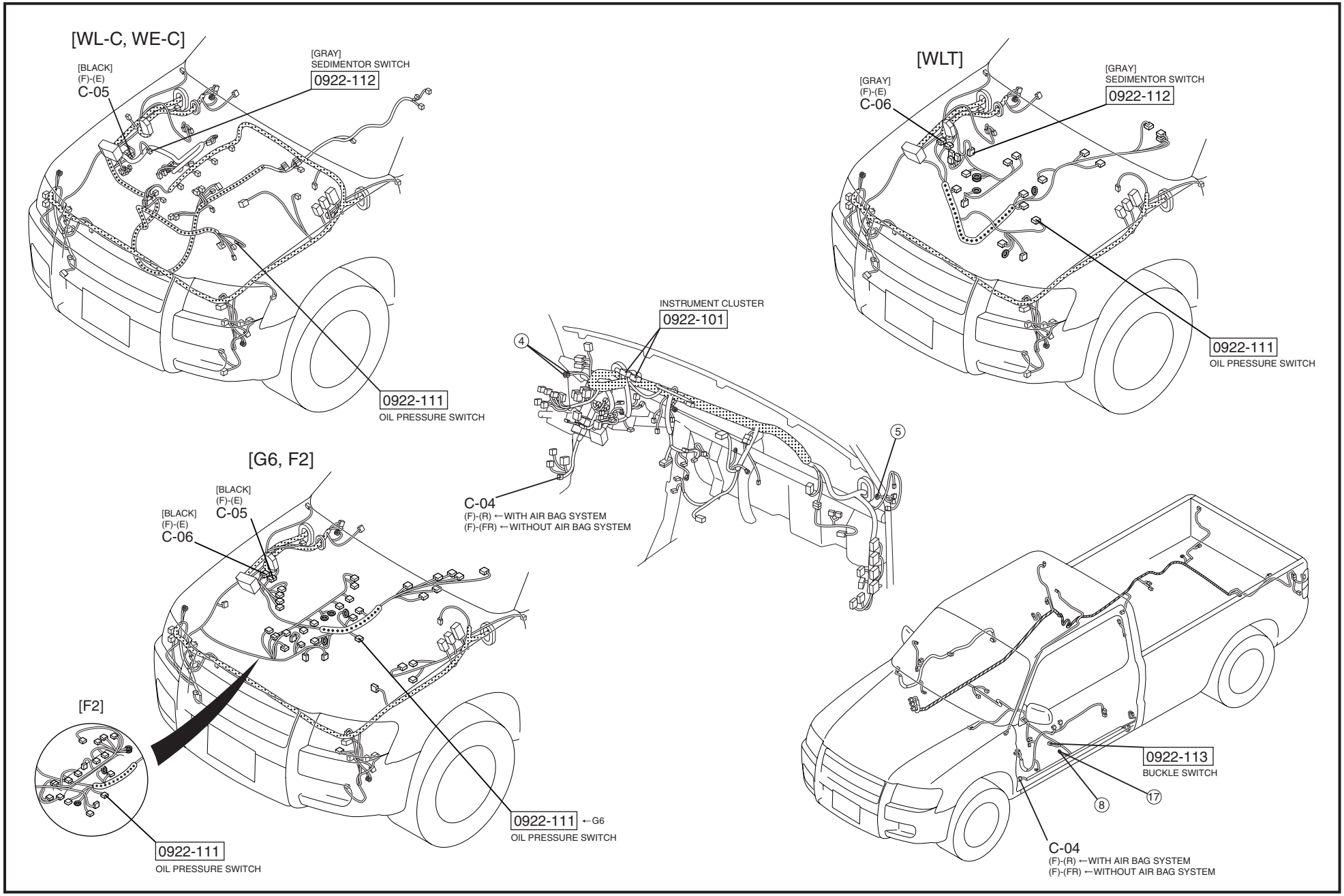


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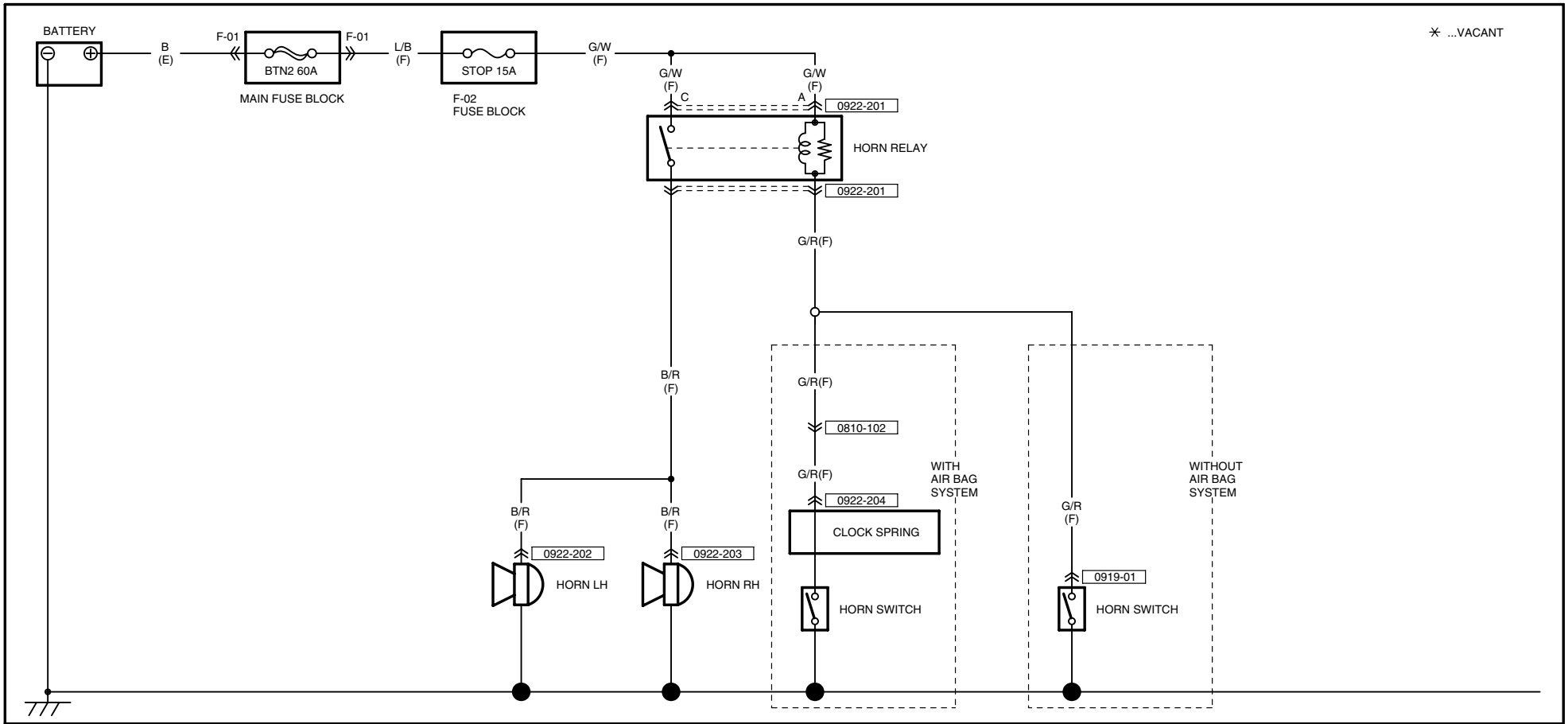


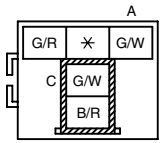
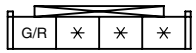
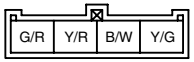
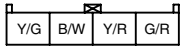
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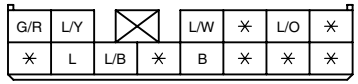
HARNESS SYMBOL: (F) (E) (R)



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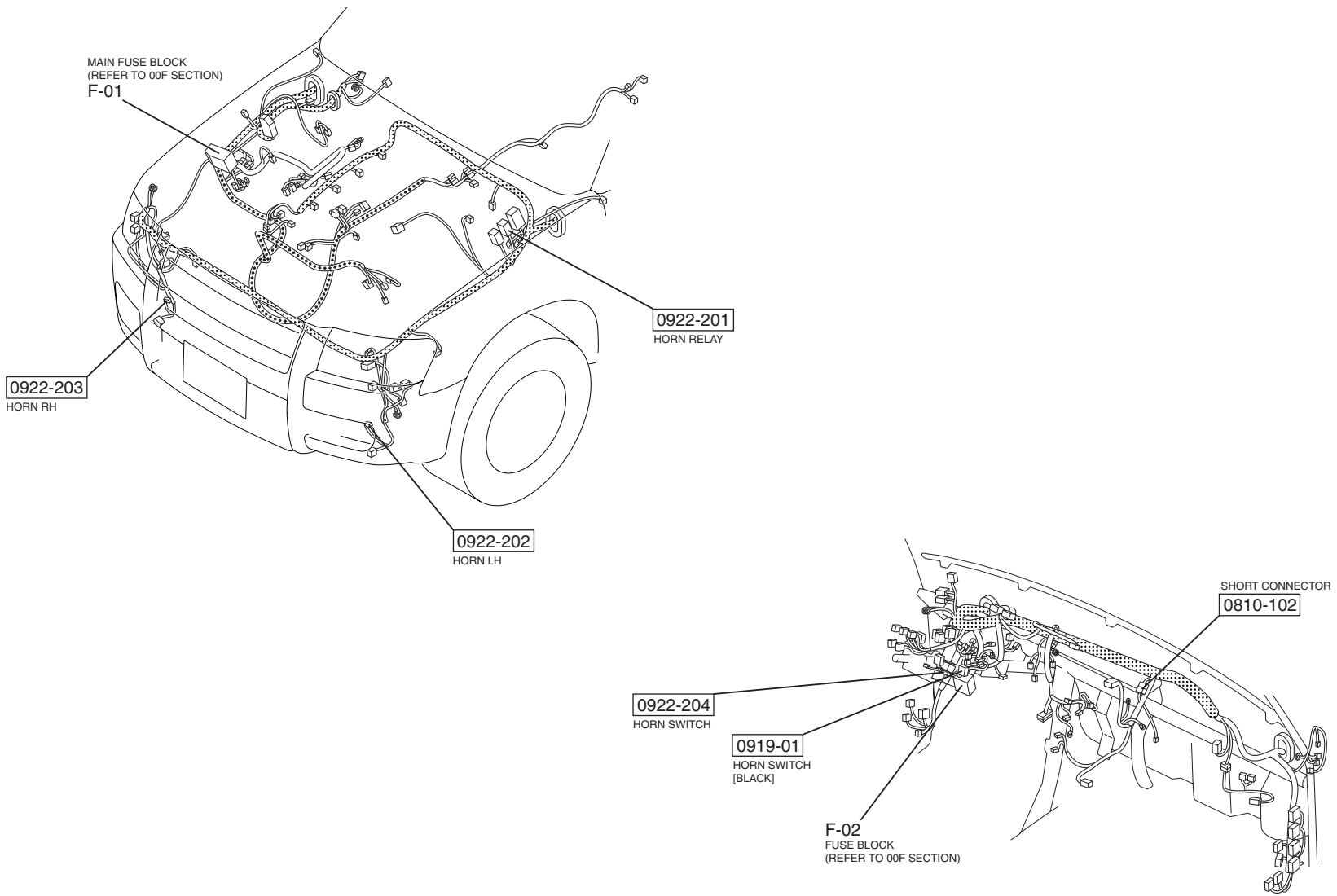


0922-201 HORN RELAY(F)	0922-202 HORN LH(F)	0922-203 HORN RH(F)	0922-204 HORN SWITCH(F)	0810-102 SHORT CONNECTOR(F)	
					

0919-01 HORN SWITCH(F)


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HARNESS SYMBOL: (F) (E) (R)



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ALPHABETICAL INDEX

4

4X4 INDICATOR SWITCH 64, 66

A

A/C AMPLIFIER 70
A/C RELAY 70
A/C SWITCH 70
ABBREVIATION 12
ABS HU/CM 68
ABS WHEEL-SPEED SENSOR 68
ACCELERATOR PEDAL
POSITION SENSOR 50
ACCESSORY SOCKET 126
AIR BAG MODULE 72
AUDIO UNIT 128

B

BACK-UP LIGHT 106
BACK-UP LIGHT SWITCH 106
BLOWER MOTOR 70
BLOWER RELAY 70
BLOWER UNIT 70
BONNET SWITCH 94
BOOST SENSOR 48
BRAKE FLUID LEVEL SENSOR 134
BRAKE LIGHT 108
BRAKE SWITCH 108
BUCKLE SWITCH 138

C

CAMSHAFT POSITION SENSOR 46, 56
CIGARETTE LIGHTER 126
CKP SENSOR 52
CLIMATE CONTROL UNIT 70
CLOCK SPRING 72
CLUTCH PEDAL POSITION SWITCH 42
CLUTCH SWITCH 60
COIL 92
CONDENSER 56
COMMON CONNECTOR LIST 22
CRANKSHAFT POSITION SENSOR 48
CTP SWITCH 60

D

DATA LINK CONNECTOR 30
DATA LINK CONNECTOR-2 32
DOOR KEY CYLINDER SWITCH 94
DOOR LOCK ACTUATOR 88
DOOR LOCK CONTROL MODULE 86
DOOR LOCK-LINK SWITCH 86, 96
DOOR SWITCH 114
DRIVER-SIDE AIR BAG MODULE 72
DRIVER-SIDE PRE-TENSIONER SEAT BELT 74
DRIVER-SIDE SIDE AIR BAG MODULE 74
DRIVER-SIDE SIDE AIR BAG SENSOR 74
DRL CONTROL MODULE 122

E

EGR CONTROL SOLENOID VALVE 46
EGR SOLENOID VALVE 46
EGR VALVE POSITION SENSOR 46
ELECTRICAL WIRING SCHEMATIC 18
ENGINE COOLANT
TEMPERATURE SENSOR 48, 52, 58
EXHAUST SHUTTER SOLENOID VALVE 50

F

FICD SOLENOID VALVE 52
FILAMENT 76
FLASHER CONTROL MODULE 104
FOG LIGHT
(FRONT) 102
(REAR) 118
FOG LIGHT RELAY
(FRONT) 102
(REAR) 118
FOG LIGHT SWITCH
(FRONT) 102
(REAR) 118
FRONT FOG LIGHT 102
FRONT FOG LIGHT RELAY 102
FRONT FOG LIGHT SWITCH 102
FRONT POWER WINDOW REGULATOR 78
FRONT SIDE TURN LIGHT 104
FRONT SPEAKER 128
FRONT TURN LIGHT 104
FUEL CUT VALVE 52
FUEL GAUGE SENDER UNIT 132
FUEL INJECTOR 44, 58
FUEL METERING VALVE 44
FUEL PRESSURE SENSOR 46
FUEL PUMP 36
FUEL PUMP RELAY 36
FUEL TEMPERATURE SENSOR 48
FUEL WARMER 34
FUSE BOX 20

G

G SENSOR 68
GENERAL INFORMATION 2
GENERATOR 38
GLOVE COMPARTMENT LIGHT 112
GLOW PLUG 42, 52
GLOW PLUG RELAY 42, 52
GROUND POINT 26

H

HAZARD WARNING SWITCH 104
HEADLIGHT 98, 100
HEADLIGHT LEVELING ACTUATOR 116
HEADLIGHT LEVELING SWITCH 116
HEADLIGHT RELAY 98, 100
HIGH-MOUNT BRAKE LIGHT 108
HORN 140
HORN RELAY 140
HORN SWITCH 140

I

IAC VALVE 58
IDLE SWITCH 48
IGNITER 56
IGNITION COIL 56
ILLUMINATION
A/C SWITCH 110
AUDIO UNIT 110
CONSOLE 112
HAZARD WARNING SWITCH 110
HEADLIGHT LEVELING SWITCH 112
HEATER CONTROL 110
IGNITION KEY 132
INSTRUMENT CLUSTER 110
REAR WINDOW DEFROSTER SWITCH 110
RFW MAIN SWITCH 112
SEAT WARMER SWITCH 112
WARM UP SWITCH 110
IMMOBILIZER UNIT 92

www.truck-freeworkshop.com

ALPHABETICAL INDEX

INSTRUMENT CLUSTER 132
INTAKE AIR TEMPERATURE SENSOR 44, 58
INTAKE SHUTTER SOLENOID VALVE 44
INTERIOR LIGHT 114

K

KEY REMINDER SWITCH 132
KEYLESS CONTROL MODULE 90

L

LICENSE PLATE LIGHT 120
LIGHT SWITCH 98, 100

M

MAGNETIC CLUTCH 70
MAIN RELAY 42, 56
MASS AIR FLOW SENSOR 44, 58

N

NEUTRAL SWITCH 42, 60

O

OIL PRESSURE SWITCH 138
OXYGEN SENSOR 58

P

PANEL LIGHT CONTROL SWITCH 112
PARKING BRAKE SWITCH 134
PARKING LIGHT 120
PASSENGER-SIDE AIR BAG MODULE 72
PASSENGER-SIDE PRE-TENSIONER SEAT BELT 74
PASSENGER-SIDE SIDE AIR BAG MODULE 74
PASSENGER-SIDE SIDE AIR BAG SENSOR 74
PCM 42, 52, 56, 62
POWER OUTER MIRROR 82
POWER OUTER MIRROR SWITCH 82
POWER STEERING PRESSURE SWITCH 60
POWER WINDOW MAIN SWITCH 78
POWER WINDOW REGULATOR
(FRONT) 78
(REAR) 80
POWER WINDOW SUBSWITCH 78
PRC SOLENOID VALVE 58
PRE-TENSIONER SEAT BELT 74
PURGE SOLENOID VALVE 58

R

REAR FOG LIGHT 118
REAR FOG LIGHT RELAY 118
REAR FOG LIGHT SWITCH 118
REAR POWER WINDOW REGULATOR 80
REAR SPEAKER 130
REAR TURN LIGHT 104
REAR WINDOW DEFROSTER RELAY 76
REAR WINDOW DEFROSTER SWITCH 76
REFRIGERANT PRESSURE SWITCH 70
RESISTOR 70
RFW CONTROL MODULE 66
RFW FREE SOLENOID 62, 66
RFW LOCK SOLENOID 62, 66
RFW MAIN SWITCH 62, 66
RFW SWITCH 64, 66

S

SAS CONTROL MODULE 72
SEAT WARMER SWITCH 84
SEAT WARMER UNIT 84
SEDIMENTOR SWITCH 138
SIDE AIR BAG MODULE 74
SIDE AIR BAG SENSOR 74
SIDE TURN LIGHT 104
SPEAKER
(FRONT) 128
(REAR) 130
STARTER 40
STARTER RELAY 40

T

TAILLIGHT 120
THEFT-DETERRENT CONTROL MODULE 94
THEFT-DETERRENT HORN 96
THEFT-DETERRENT HORN RELAY 96
THROTTLE POSITION SENSOR 58
TNS RELAY 98, 100
TRANSFER NEUTRAL SWITCH 64, 66
TURN LIGHT 104
TURN SWITCH 104
TWEETER 128

V

VARIABLE BOOST CONTROL SOLENOID VALVE 46
VARIABLE SWIRL CONTROL SOLENOID VALVE 46
VEHICLE IDENTIFICATION NUMBERS (VIN) 3
VEHICLE SPEEDOMETER SENSOR 132

W

WARM UP SWITCH 50
WATER TEMPERATURE SENDER UNIT 132
WINDOW DEFROSTER RELAY 76
WINDOW DEFROSTER SWITCH 76
WINDSHIELD WASHER MOTOR 124
WINDSHIELD WIPER AND WASHER SWITCH 124
WINDSHIELD WIPER MOTOR 124
WIRING COLOR CODE 9

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RANGER
EVEREST
Wiring Diagrams Supplement

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER / EVEREST and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

CONTENTS

TITLE	SECTION
GENERAL INFORMATION	00
ENGINE	01
SUSPENSION	02
DRIVELINE/AXLE	03
BRAKES	04
TRANSMISSION/TRANSAXLE	05
STEERING	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07
RESTRAINTS	08
BODY & ACCESSORIES	09
ALPHABETICAL INDEX	AI

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F1A9-30-06H

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

RANGER

MNB BS1D90*W
MNB BS1E90*W
MNB BS2D90*W
MNB BS2E90*W
MNB BSED10*W
MNB BSED90*W
MNB BSEE10*W
MNB BSEE90*W
MNB BSFD10*W
MNB BSFD90*W
MNB BSFE10*W
MNB BSFE90*W
MNB DS1D90*W
MNB DS1E90*W
MNB DS2D90*W
MNB DS2E90*W
MNB DSED10*W
MNB DSED90*W
MNB DSEE10*W
MNB DSEE90*W
MNB DSFD10*W
MNB DSFD90*W
MNB DSFE10*W
MNB DSFE90*W
MNB LS1D90*W
MNB LS1E90*W
MNB LS2D90*W
MNB LS2E90*W
MNB LSED10*W
MNB LSED90*W
MNB LSEE10*W
MNB LSEE90*W
MNB LSFD10*W
MNB LSFD90*W
MNB LSFE10*W
MNB LSFE90*W
MNB US1D90*W
MNB US1E90*W
MNB US2D90*W
MNB US2E90*W
MNB USED10*W
MNB USED90*W
MNB USEE10*W
MNB USEE90*W
MNB USFD10*W
MNB USFD90*W
MNB USFE10*W
MNB USFE90*W

EVEREST

MNB LS4D10*W
MNB LS4D90*W
MNB LS4E10*W
MNB LS4E90*W
MNB US4D10*W
MNB US4D90*W
MNB US4E10*W
MNB US4E90*W

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE.....2
VEHICLE IDENTIFICATION NUMBERS (VIN).....3

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 4
F FUSE BOX 6
C COMMON CONNECTOR LIST 8
G GROUND POINT.....12

DATA LINK CONNECTOR

D DATA LINK CONNECTOR.....16

01 ENGINE

19 STARTING SYSTEM.....18

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE
4X4 CONTROL SYSTEM.....20

05 TRANSMISSION/TRANSAXLE

13 AUTOMATIC TRANSMISSION
AUTOMATIC TRANSMISSION CONTROL SYSTEM ...24

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM
HEATER AND AIR CONDITIONER.....32
REAR HEATER AND AIR CONDITIONER.....34

09 BODY & ACCESSORIES

12 GLASS/WINDOWS/MIRRORS
REAR WINDOW DEFROSTER 36

14 SECURITY AND LOCKS
POWER DOOR LOCK SYSTEM 38
THEFT-DETERRENT SYSTEM..... 42
FUEL-FILLER LID OPENER..... 46

18 LIGHTING SYSTEMS
HEADLIGHT 48
LICENSE PLATE LIGHT 50
PARKING LIGHT..... 50
TAILLIGHT 50
FRONT FOG LIGHT 52
TURN AND HAZARD WARNING LIGHT..... 54
BACK-UP LIGHT 56
BRAKE LIGHT 58
HIGH-MOUNT BRAKE LIGHT..... 58
ILLUMINATION LIGHT
WITHOUT PANEL LIGHT CONTROL SYSTEM..... 60
WITH PANEL LIGHT CONTROL SYSTEM 66
INTERIOR LIGHT
EXCEPT 5 DOOR..... 64
5 DOOR 70

19 WIPER/WASHER SYSTEM
REAR WIPER AND WASHER..... 72

20 ENTERTAINMENT
ACCESSORY SOCKET..... 74
CIGARETTE LIGHTER..... 74

22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER..... 76

AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 84

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE

RANGER

M N B B S 1 D 1 0 6 W 1 2 3 4 5 6

Serial No.	
Plant	W=A. A. Thailand
Production year	6= 2006, 7= 2007, 8=2008...
No meaning	0
Engine type	1= WL-C (2.5 L-DI) 9= WE-C (3.0 L-DI)
Gross vehicle weight	D= 2268—2721 kg {5001—6000 lbs} E= 2722—3175 kg {6001—7000 lbs}
Body style	E= Double cab.-without box F= Double cab.-with box 1= Stretch cab. (with Rear Access System) -without box 2= Stretch cab. (with Rear Access System) -with box
Product sorce	S= Japan (for Thailand)
Air bag	B= Seatbelt only D= with Air bag (Driver side) L= with Air bag (Driver and Passenger) U= with Air bag (Driver, Passenger and Side air bag)
World manufacturer identification	MNB= FORD (Thailand)

EVEREST

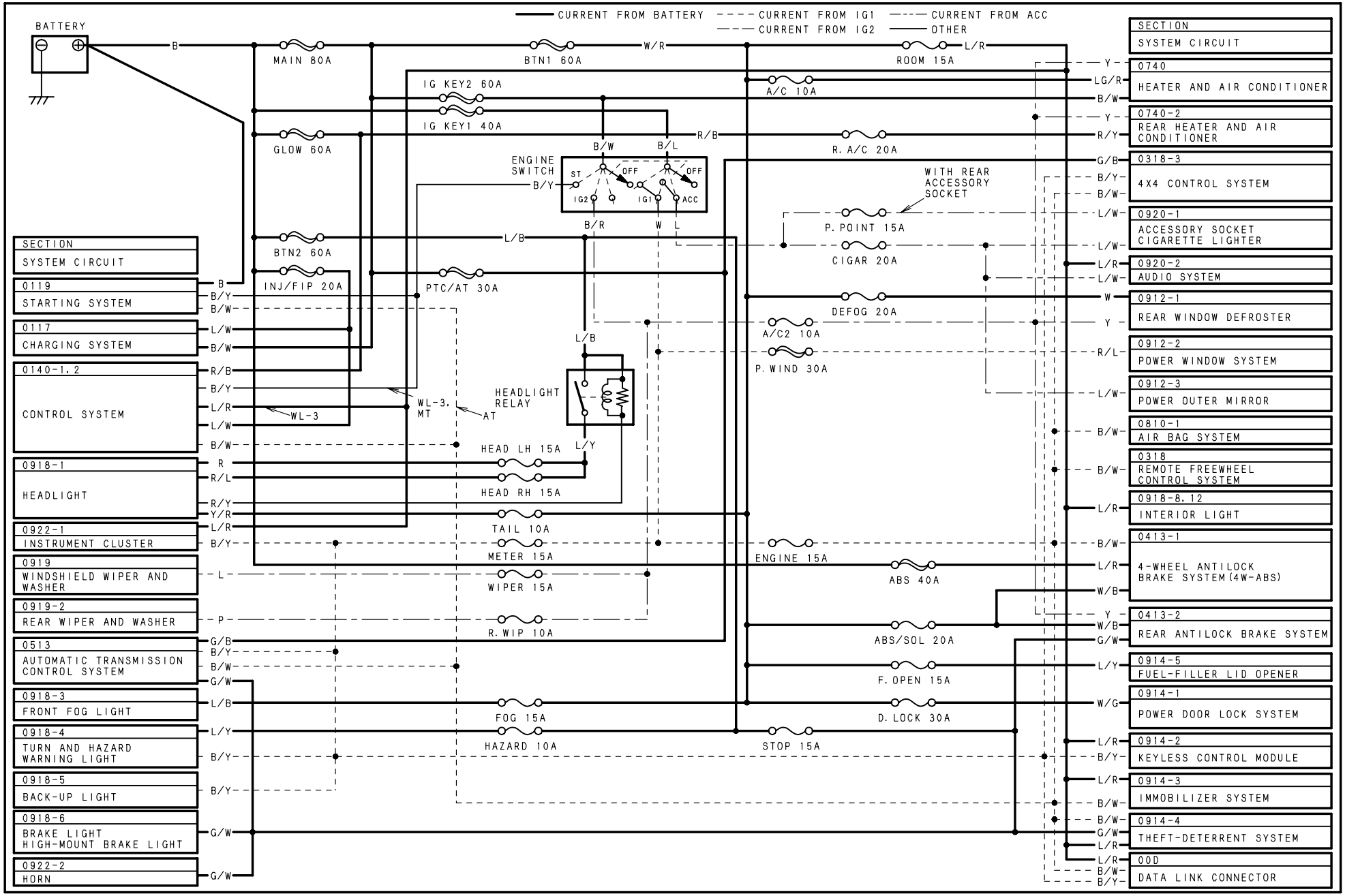
M N B L S 4 D 1 0 6 W 1 2 3 4 5 6

Serial No.	
Plant	W=A. A. Thailand
Production year	6= 2006, 7= 2007, 8=2008...
No meaning	0
Engine type	1= WL-C (2.5 L-DI) 9= WE-C (3.0 L-DI)
Gross vehicle weight	D= 2268—2721 kg {5001—6000 lbs} E= 2722—3175 kg {6001—7000 lbs}
Body style	4= New Wagon
Product sorce	S= Japan
Air bag	L= with Air bag (Driver and Passenger) U= with Air bag (Driver, Passenger and Side air bag)
World manufacturer identification	MNB= FORD (Thailand)

VEHICLE IDENTIFICATION NUMBERS (VIN)

RANGER	EVEREST
MNB BS1D90*W	MNB LS4D10*W
MNB BS1E90*W	MNB LS4D90*W
MNB BS2D90*W	MNB LS4E10*W
MNB BS2E90*W	MNB LS4E90*W
MNB BSED10*W	MNB US4D10*W
MNB BSED90*W	MNB US4D90*W
MNB BSEE10*W	MNB US4E10*W
MNB BSEE90*W	MNB US4E90*W
MNB BSFD10*W	
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MNB USFE90*W	

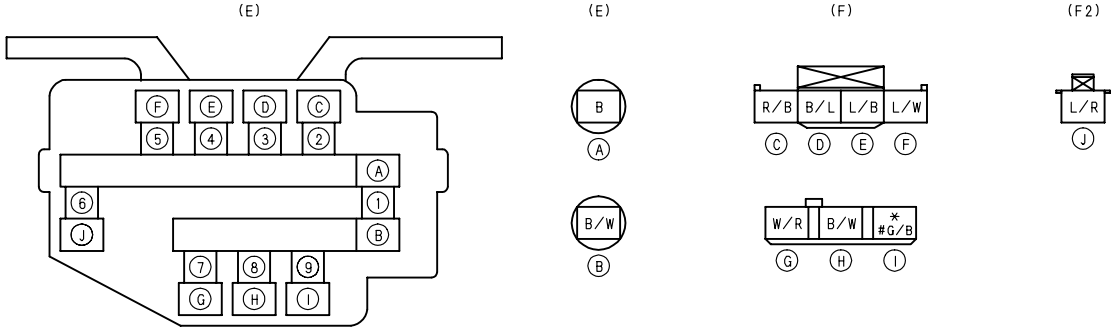
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F-01 MAIN FUSE BLOCK

✳ . . . VACANT
. . . AT

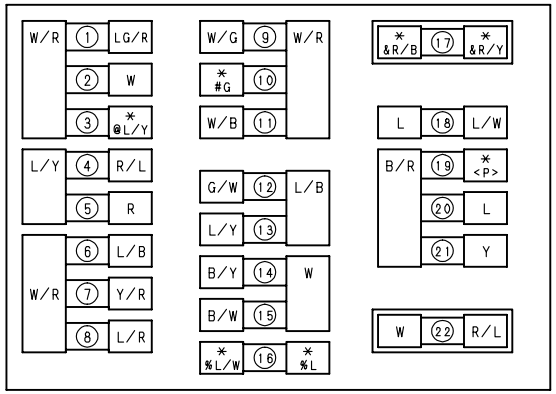


NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( ) IF EQUIPPED

F-02 FUSE BLOCK (F)



NOTE:SEEN FROM TERMINAL SIDE

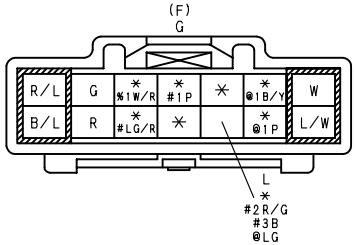
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(F. OPEN)	15A	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	(P. POINT)	15A
6	(FOG)	15A	17	(R. A/C)	20A
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	(R. WIP)	10A
9	(D. LOCK)	30A	20	WIPER	15A
10	(P. WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P. WIND)	30A

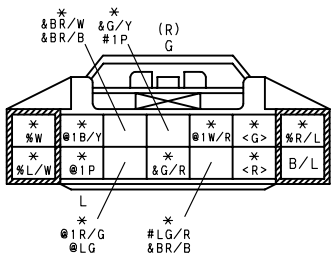
( ) IF EQUIPPED

✳ . . . VACANT
. . . NOT USED
@ . . . WITH FUEL-FILLER LID OPENER
% . . . WITH REAR ACCESSORY SOCKET
& . . . WITH REAR A/C
< >. . . WITH REAR WIPER AND WASHER

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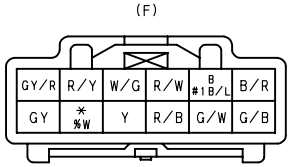
C-02 FRONT (F) -REAR (R)

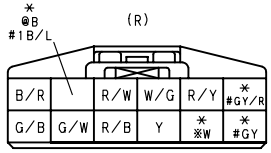




* . . . VACANT
\# . . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH REAR ABS
< >. . . WITH REAR POWER DOOR LOCK SYSTEM
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . NOT USED
@1. . . AT
#1. . . WITH REAR WIPER AND WASHER
#2. . . WITH PANEL LIGHT CONTROL SYSTEM
#3. . . WITHOUT PANEL LIGHT CONTROL SYSTEM
%1. . . 4X4 AT

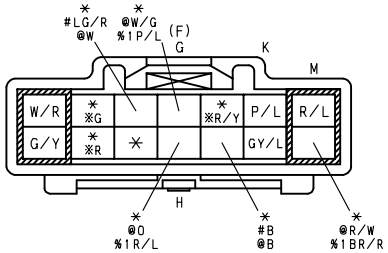
C-03 FRONT (F) -REAR (R)



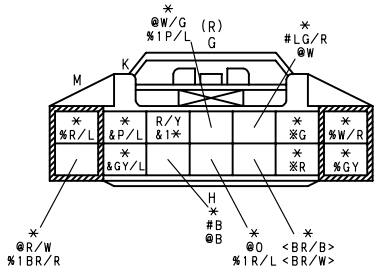


* . . . VACANT
\# . . . WITH REAR SPEAKER
@ . . . WITH HIGH-MOUNT BRAKE LIGHT
% . . . 4X4 AT
※ . . . 4X4
#1. . . WITH FUEL FILLER LID OPENER

C-04 FRONT (F) -REAR (R)

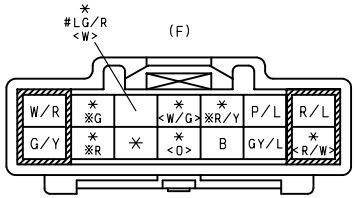


WITH AIR BAG SYSTEM

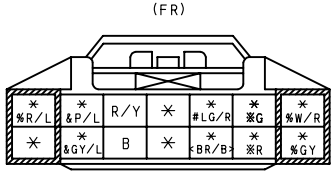


* . . . VACANT
\# . . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH REAR ABS
< >. . . NOT USED
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM
&1. . . WITH REAR A/C
%1. . . 5 DOOR WITH THEFT-DETERRENT SYSTEM

C-04 FRONT (F) -FLOOR (FR)



WITHOUT AIR BAG SYSTEM

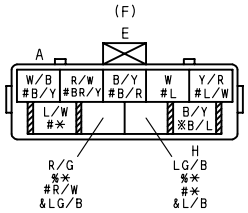


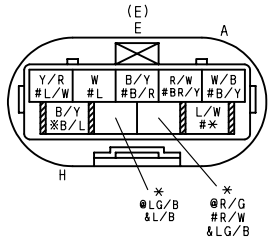
* . . . VACANT
\# . . . WITH THEFT-DETERRENT SYSTEM
< >. . . NOT USED
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM

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COMMON CONNECTOR LIST

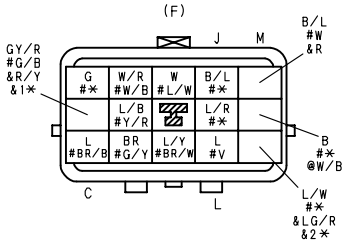
C-05 FRONT (F) -ENGINE (E)

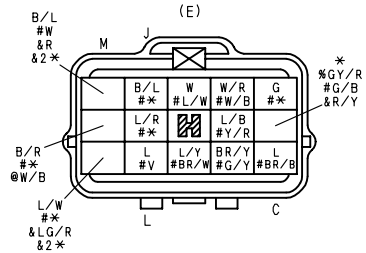




✳ . . . VACANT
. . . WL-3
@ . . . WITH RFW CONTROL SYSTEM
& . . . 4X4 AT
% . . . 4X2 AT
※ . . . AT

C-06 FRONT (F) -ENGINE (E)



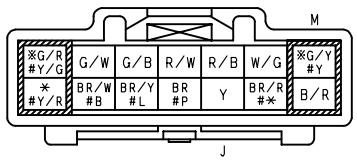


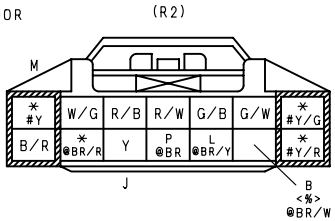
✳ . . . VACANT
. . . WL-3
% . . . WITH RFW CONTROL SYSTEM
& . . . 4X4 AT
&1. . . 4X2
@ . . . AT
&2. . . 4X2 AT

C-13 REAR (R) -REAR No. 2 (R2)

✳ . . . VACANT # . . . WITH REAR ABS
@ . . . WITH 4WABS % . . . BARE WIRE
< >. . . DOUBLE CAB WITH REAR ABS
※ . . . NOT USED

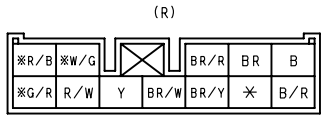
EXCEPT 5 DOOR

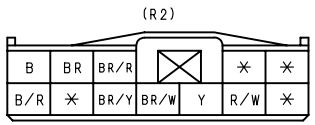




✳ . . . VACANT
※ . . . NOT USED

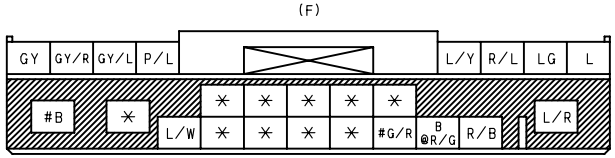
5 DOOR

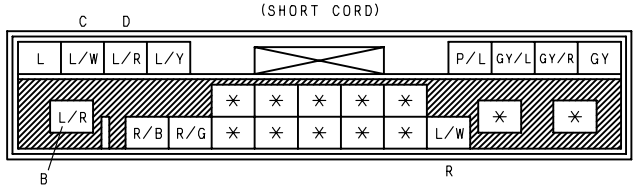




C-26 FRONT (F) -SHORT CORD

✳ . . . VACANT
. . . NOT USED
@ . . . WITH PANEL LIGHT CONTROL SYSTEM





C-28 FRONT (F) -REAR (R)

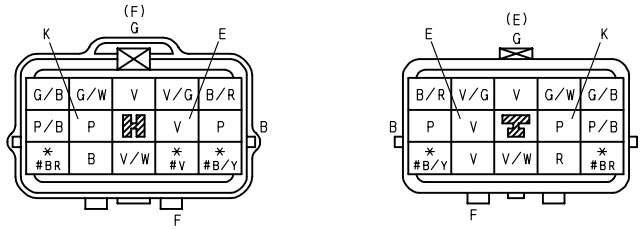


C-29 FRONT (F) -ENGINE (E)



C-30 FRONT (F) -ENGINE (E)

✳ . . . VACANT
. . . 4X4 AT



C-31 FRONT (F) -ENGINE (E)

✳ . . . VACANT



C-32 REAR (R) -REAR No. 4 (R4)

✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM

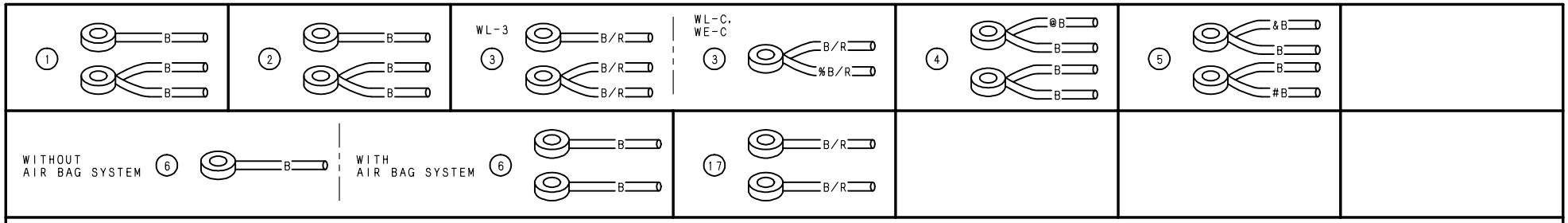


C-33 REAR (R) -REAR No. 4 (R4)

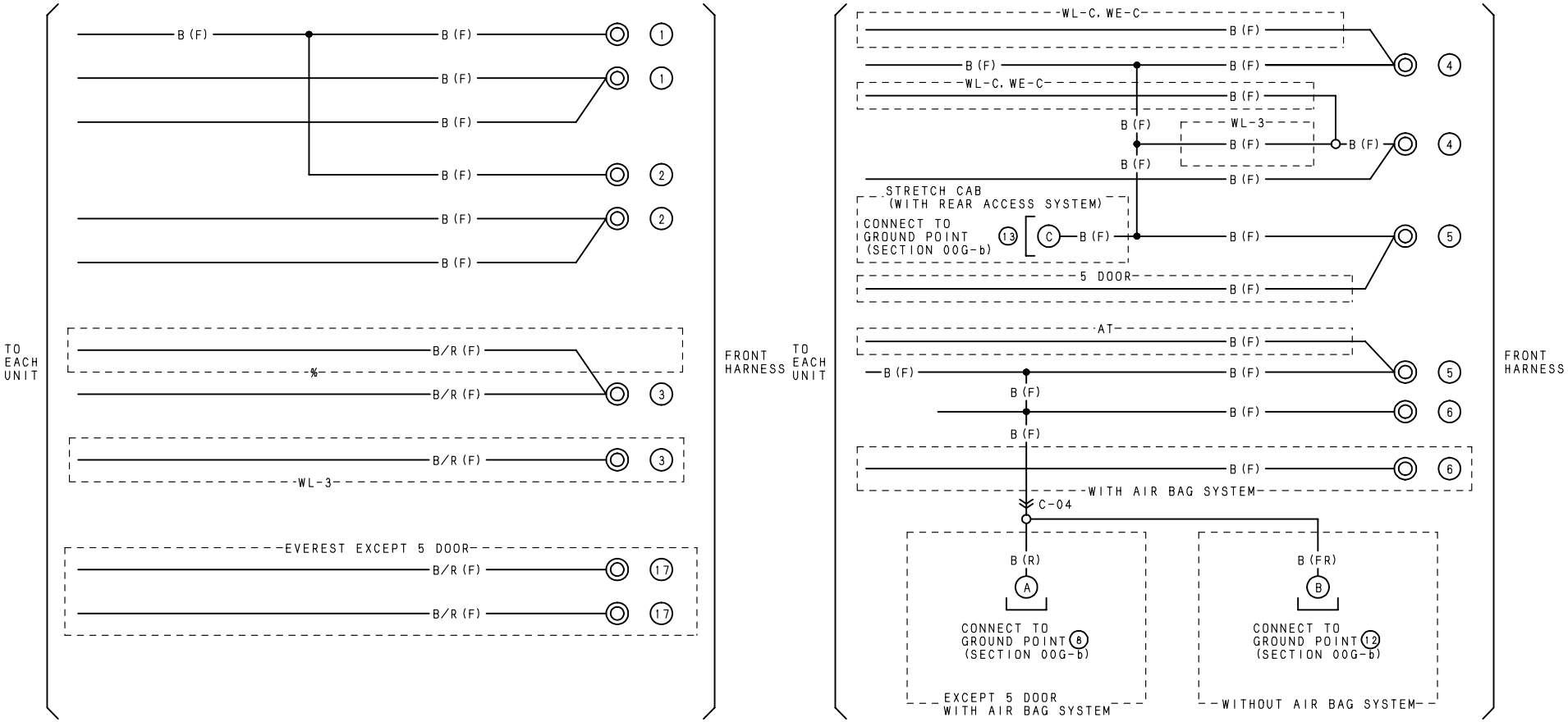
✳ . . . VACANT



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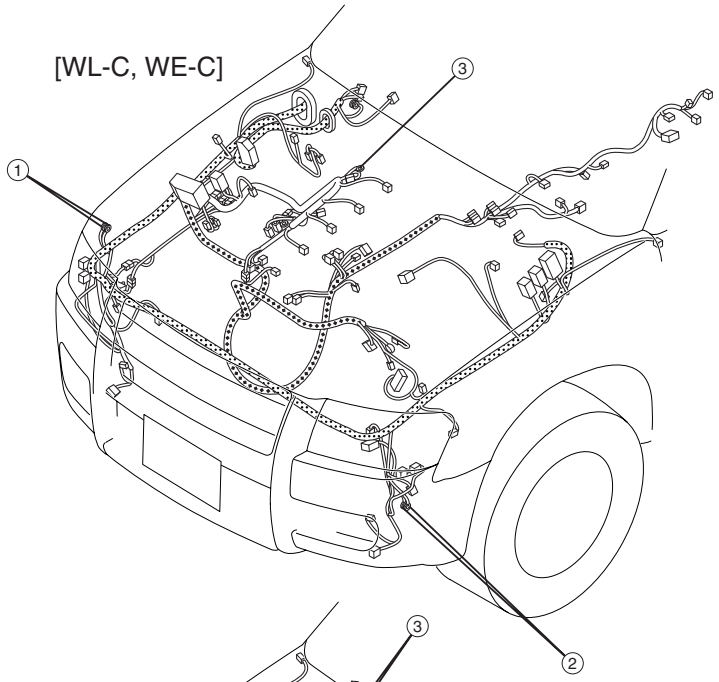
& . . . 5 DOOR @ . . . WL-C, WE-C # . . . AT
% . . . EXCEPT "EVEREST EXCEPT 5 DOOR WITHOUT IMMOBILIZER SYSTEM"



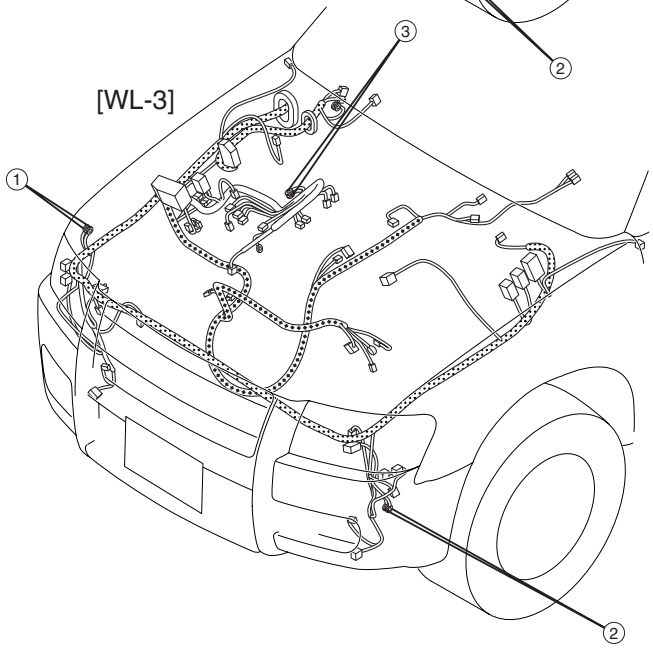
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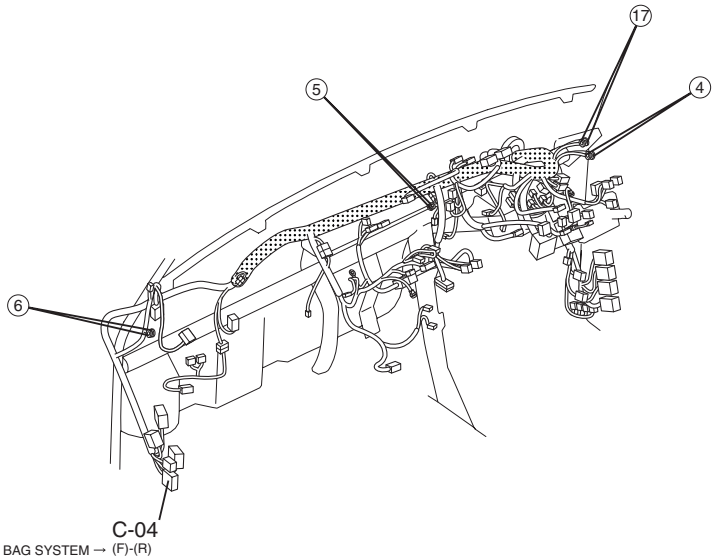
HARNESS SYMBOL: (F) (E) (R)

[WL-C, WE-C]

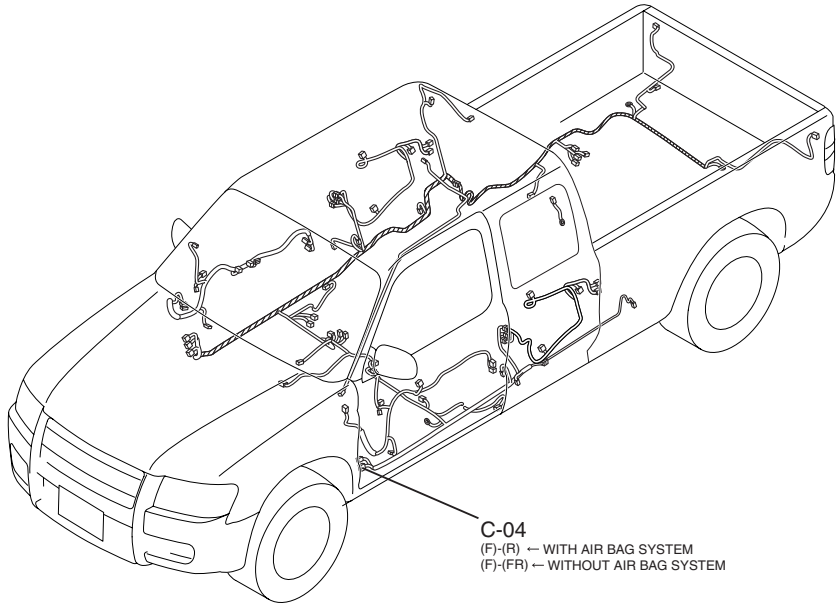


[WL-3]



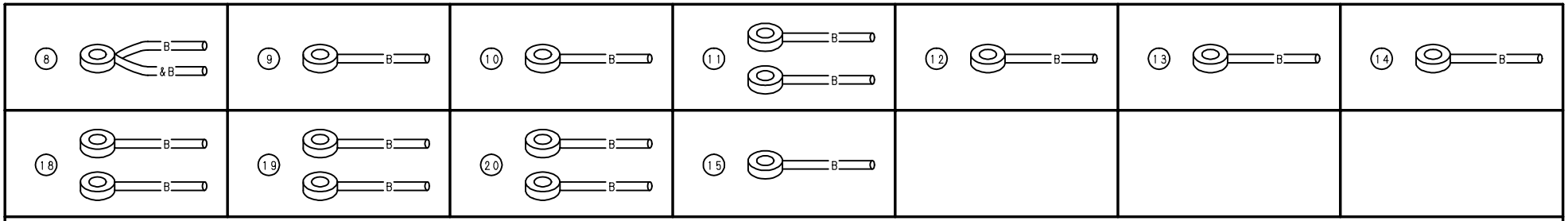


C-04
WITH AIR BAG SYSTEM → (F)-(R)
WITHOUT AIR BAG SYSTEM → (F)-(FR)

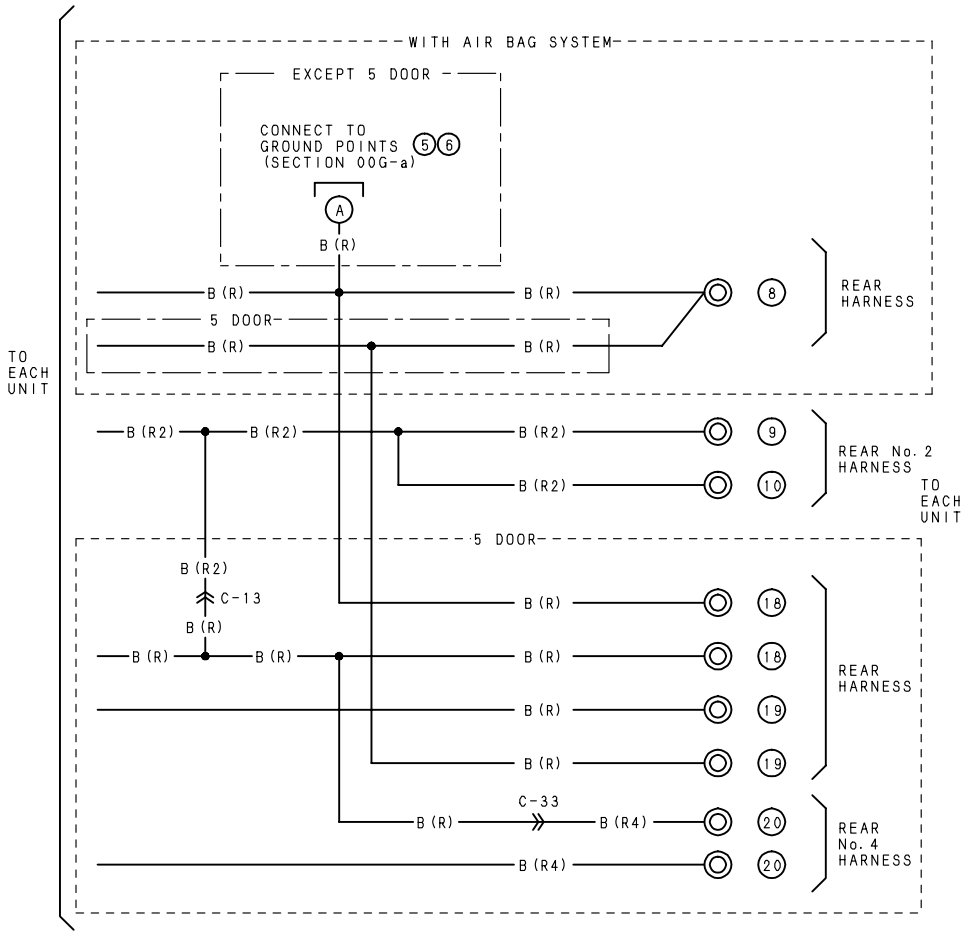


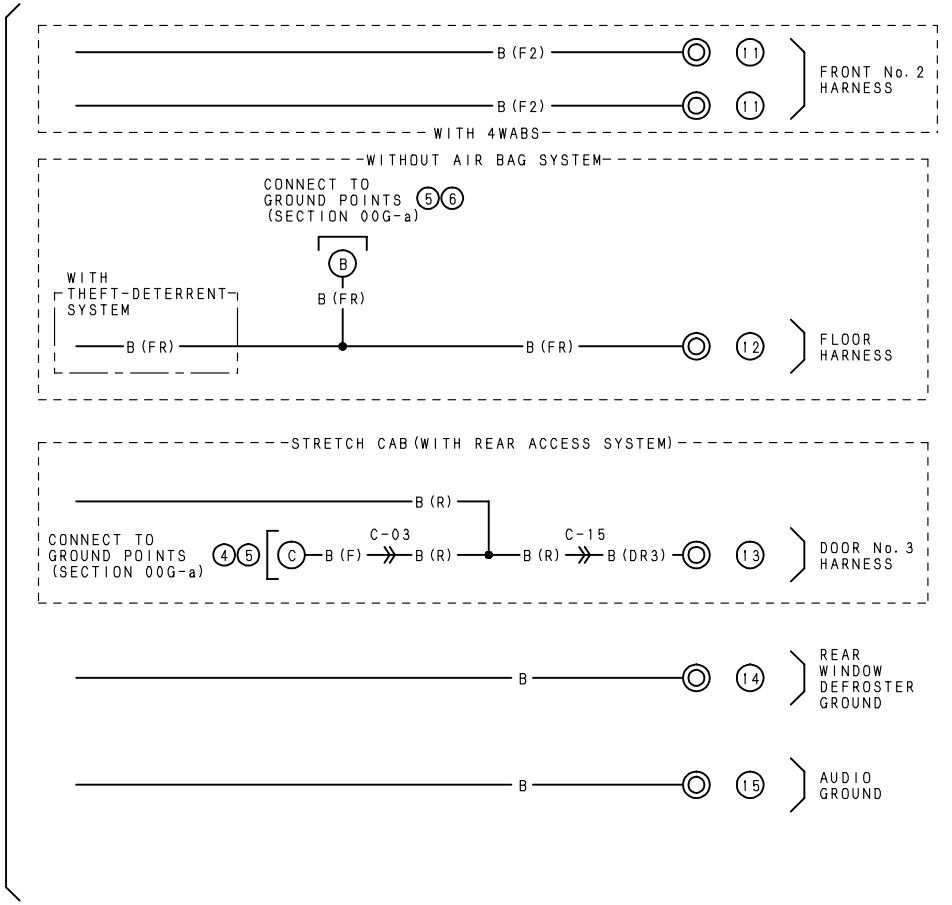
C-04
(F)-(R) ← WITH AIR BAG SYSTEM
(F)-(FR) ← WITHOUT AIR BAG SYSTEM

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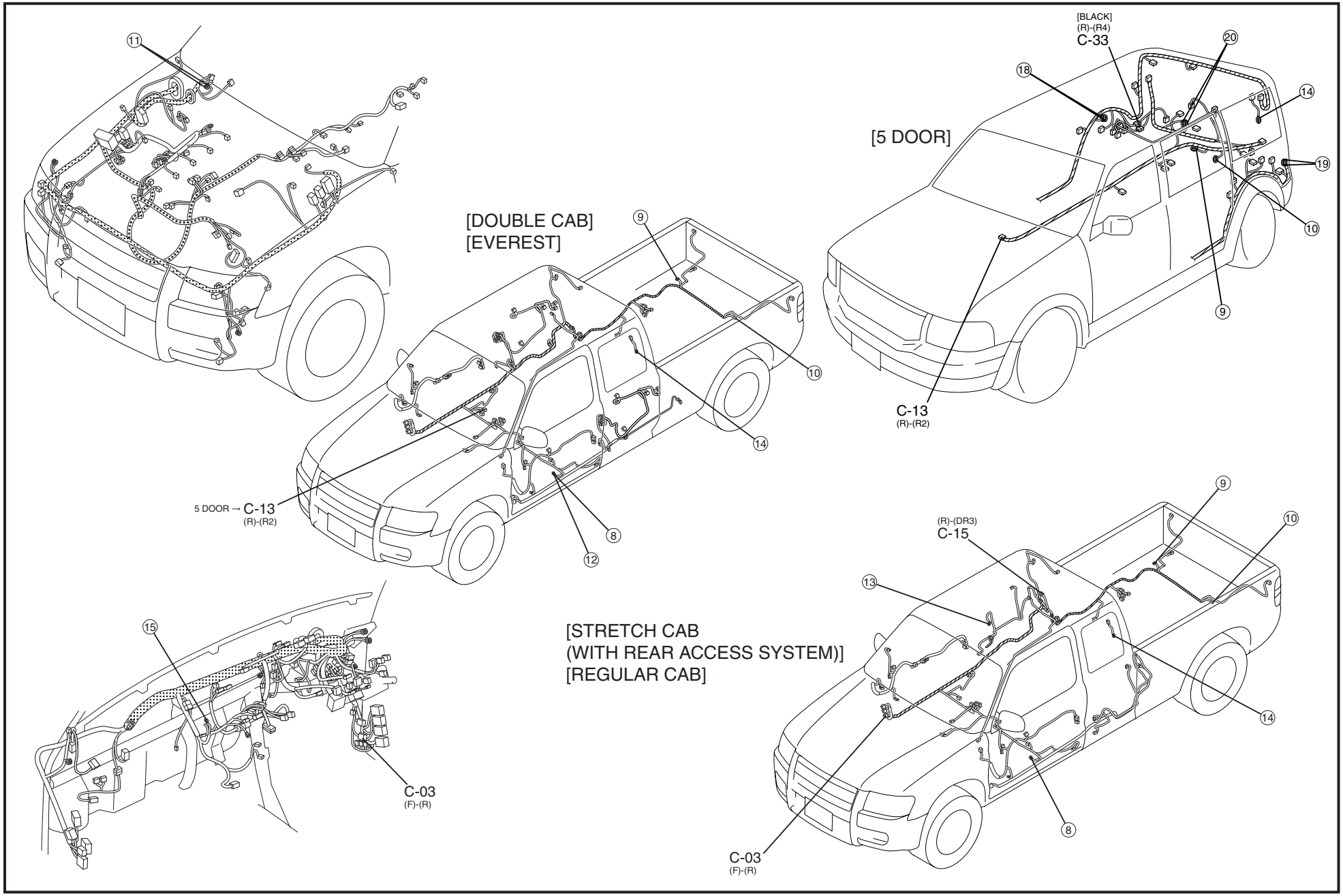
& . . . 5 DOOR

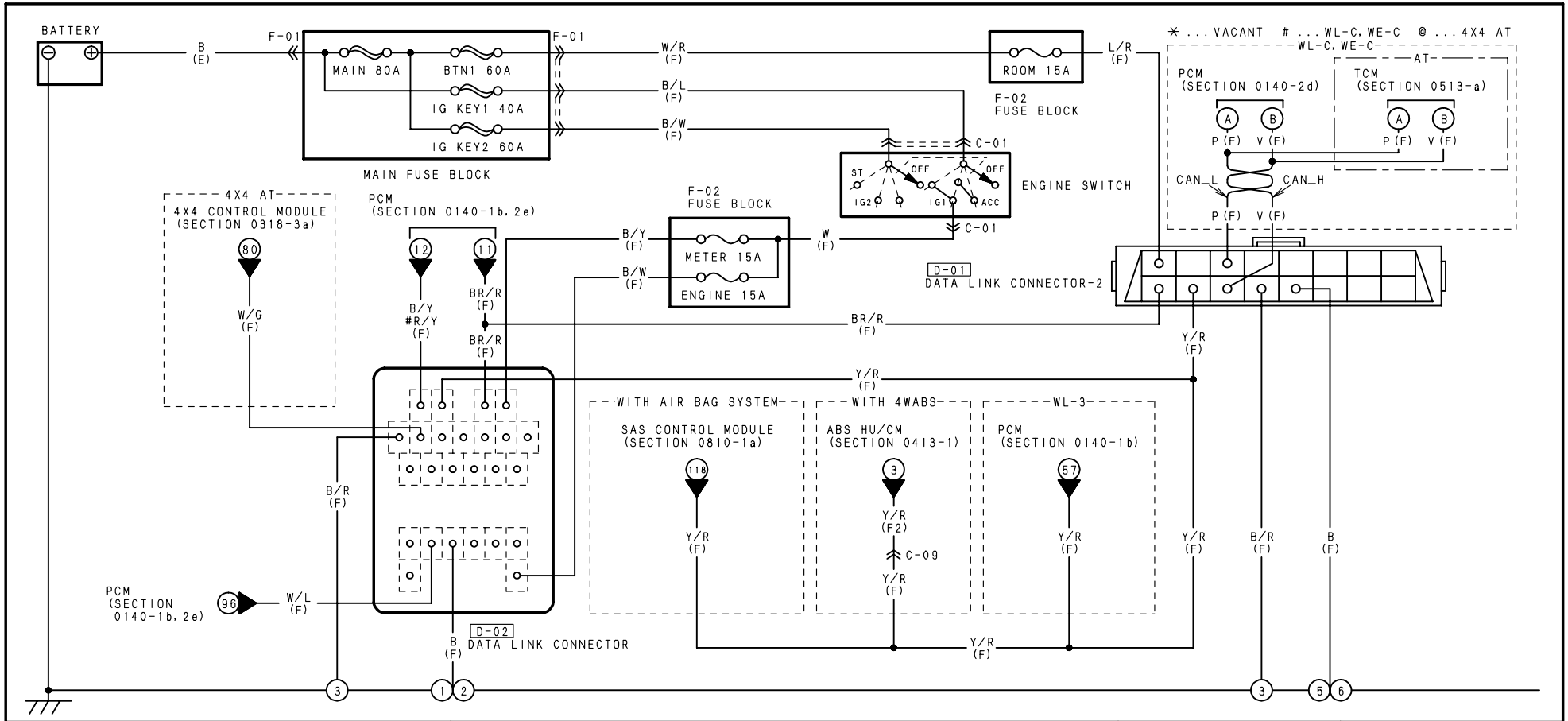




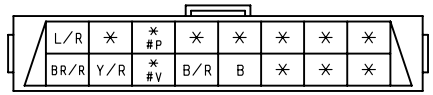
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



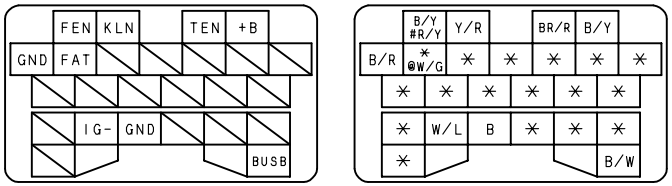


D-01 DATA LINK CONNECTOR-2 (F)



NOTE: SEEN FROM TERMINAL SIDE

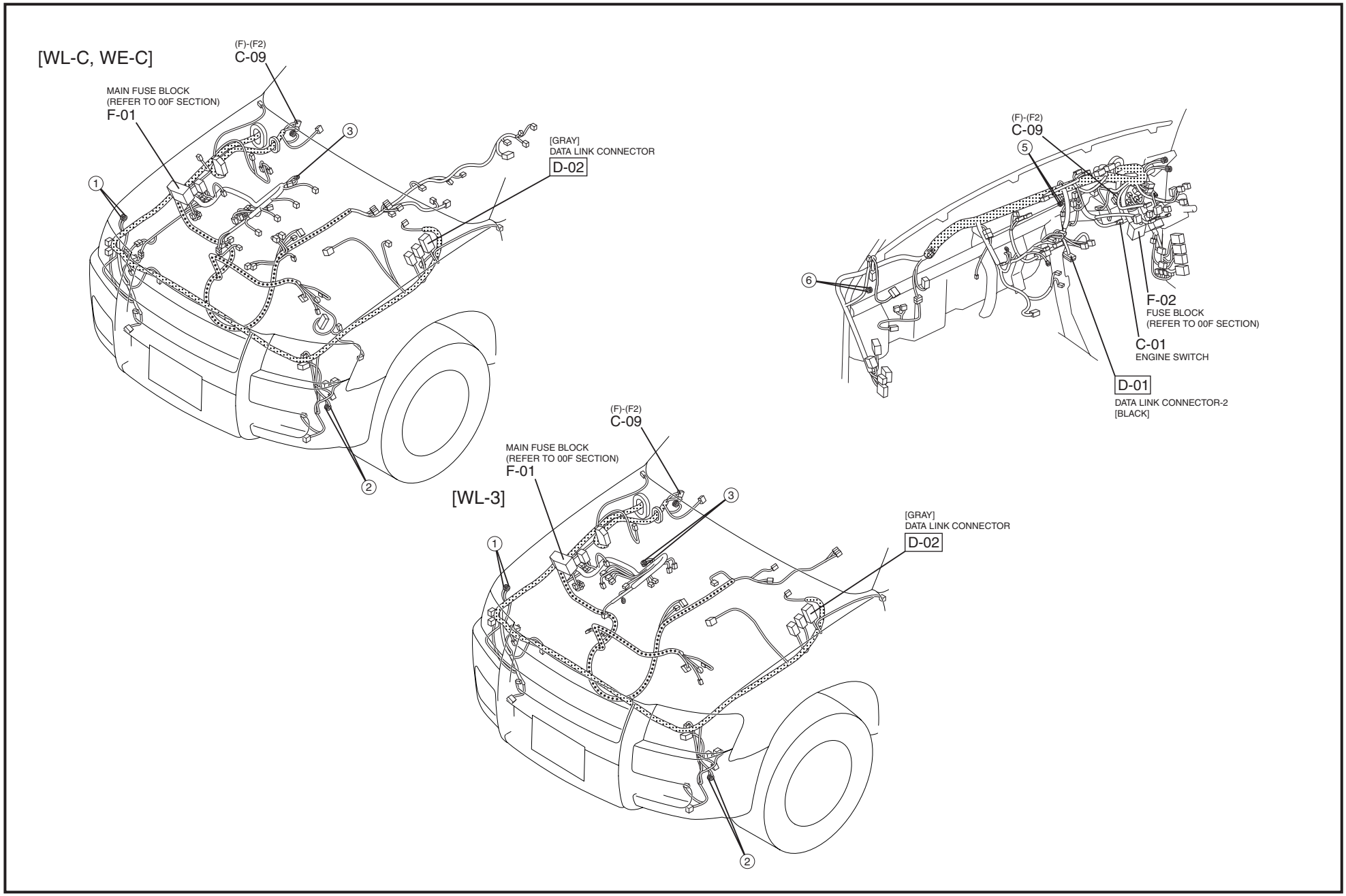
D-02 DATA LINK CONNECTOR (F)



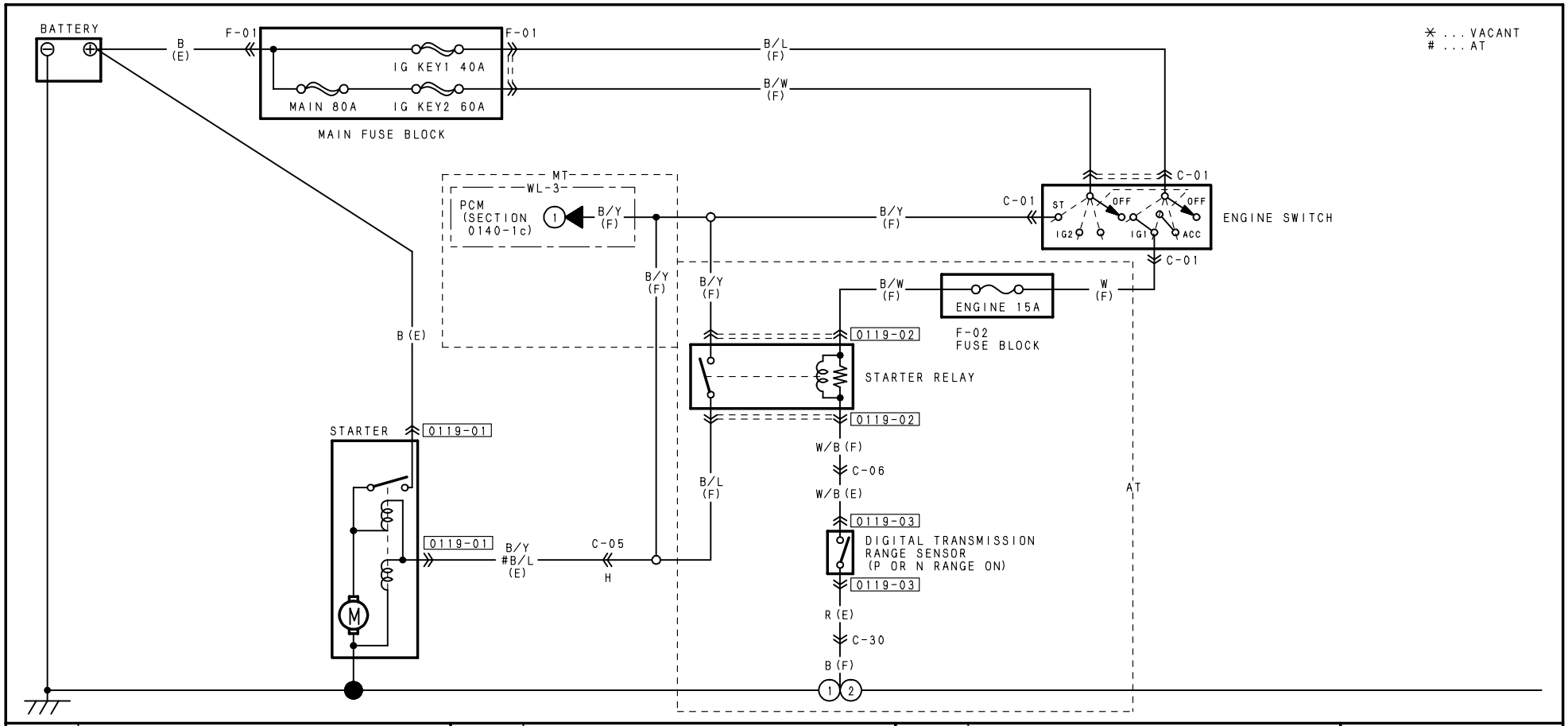
NOTE: SEEN FROM TERMINAL SIDE

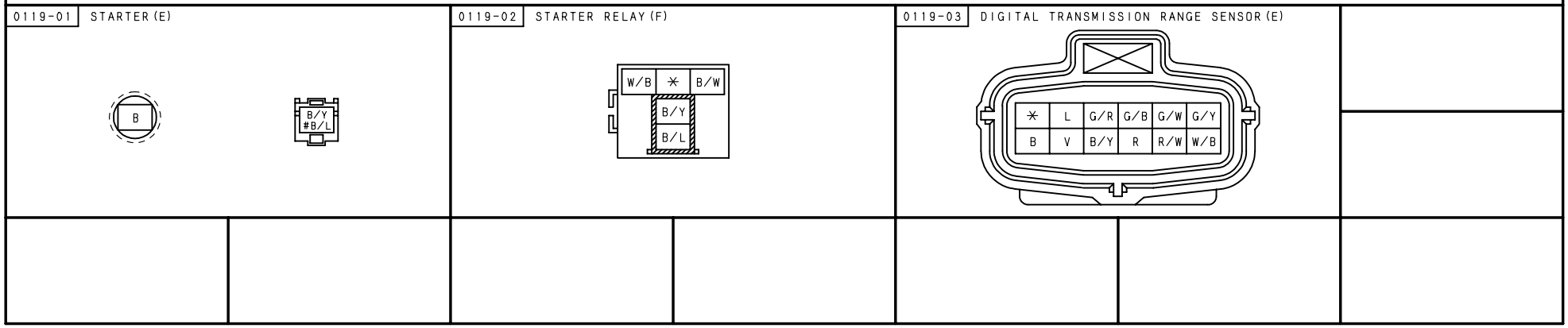
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HARNESS SYMBOL: (F) (E) (R)



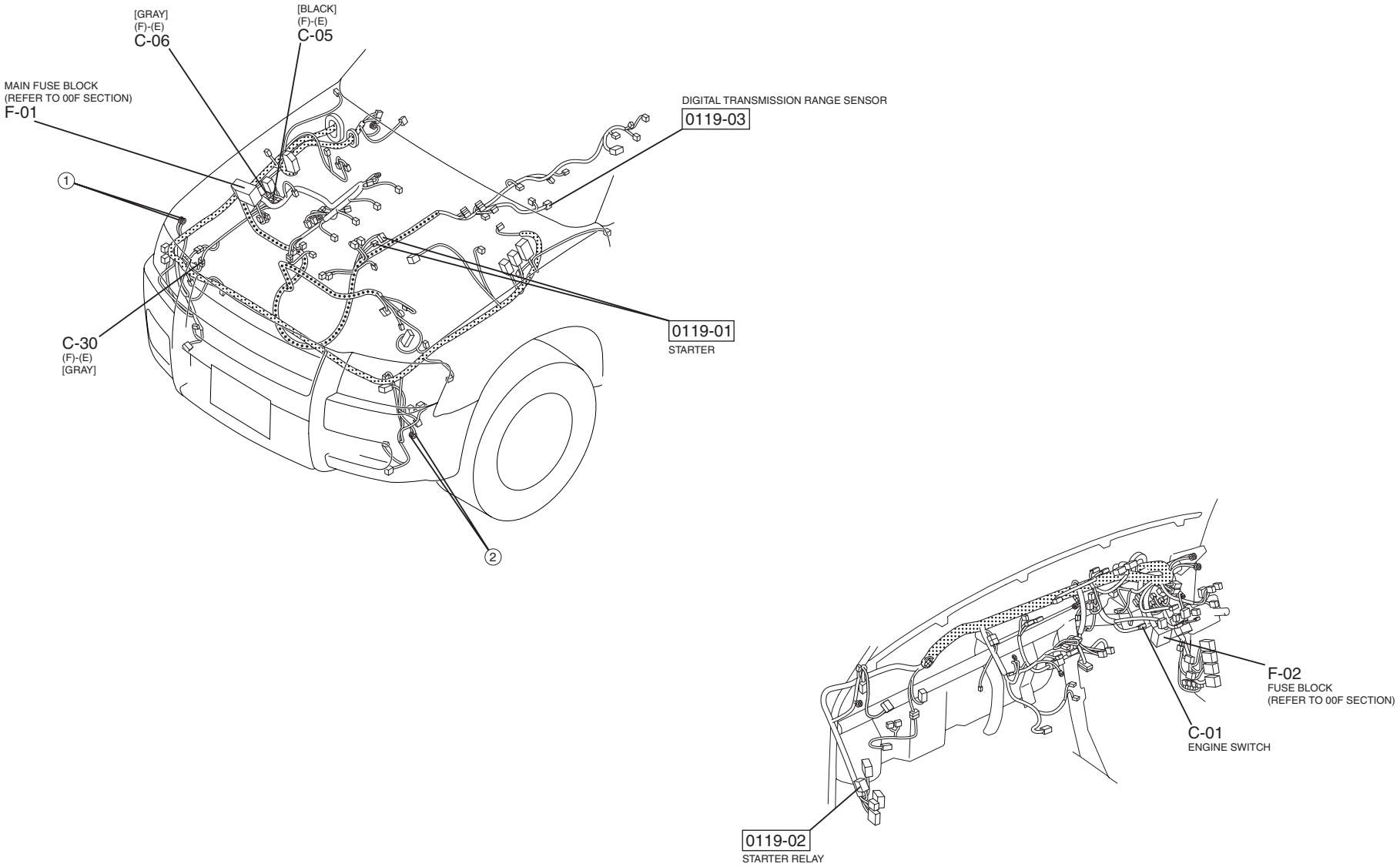
www.truck-freeworkshop.com



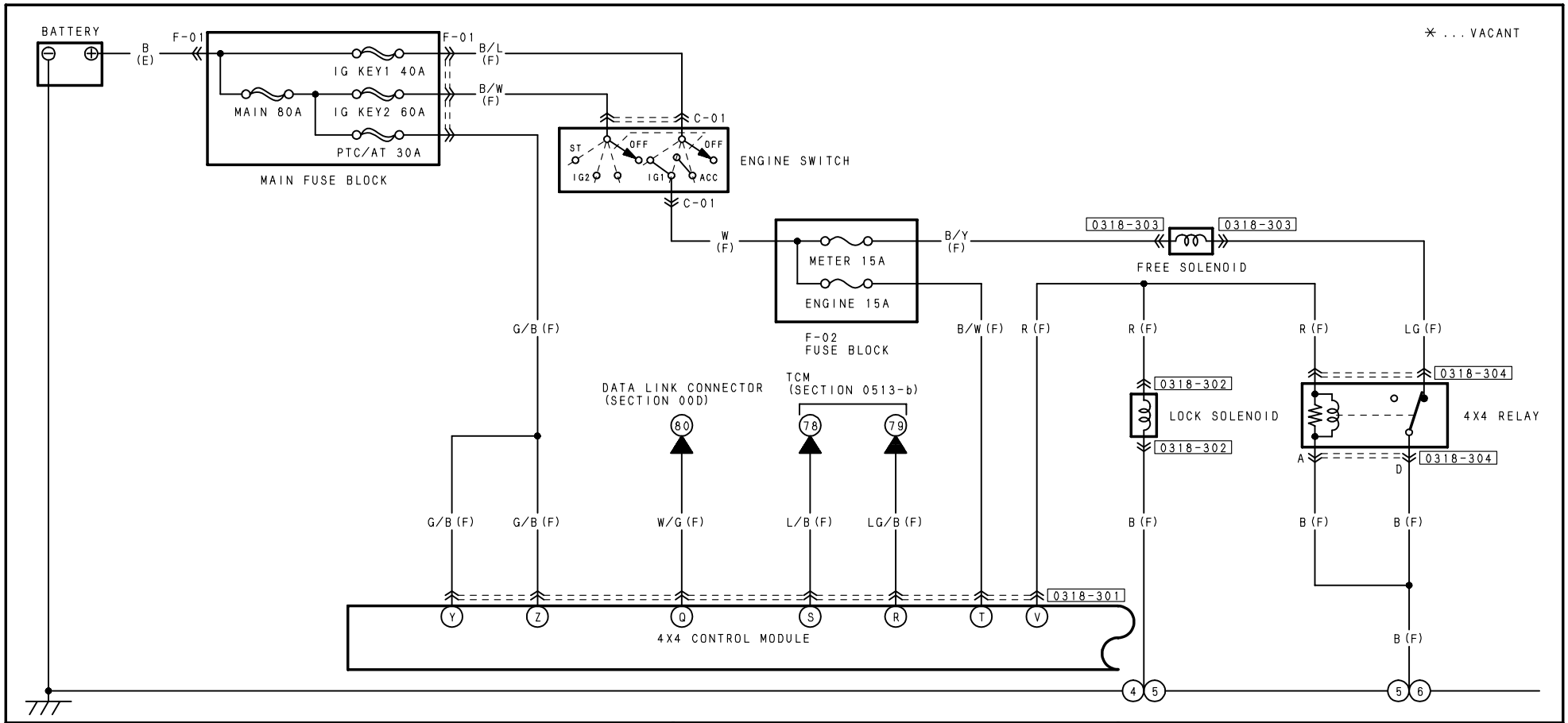


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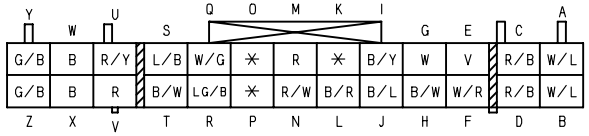
HARNESS SYMBOL: (F) (E) (R)



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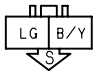
0318-301 4X4 CONTROL MODULE (F)



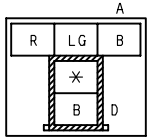
0318-302 LOCK SOLENOID (F)



0318-303 FREE SOLENOID (F)

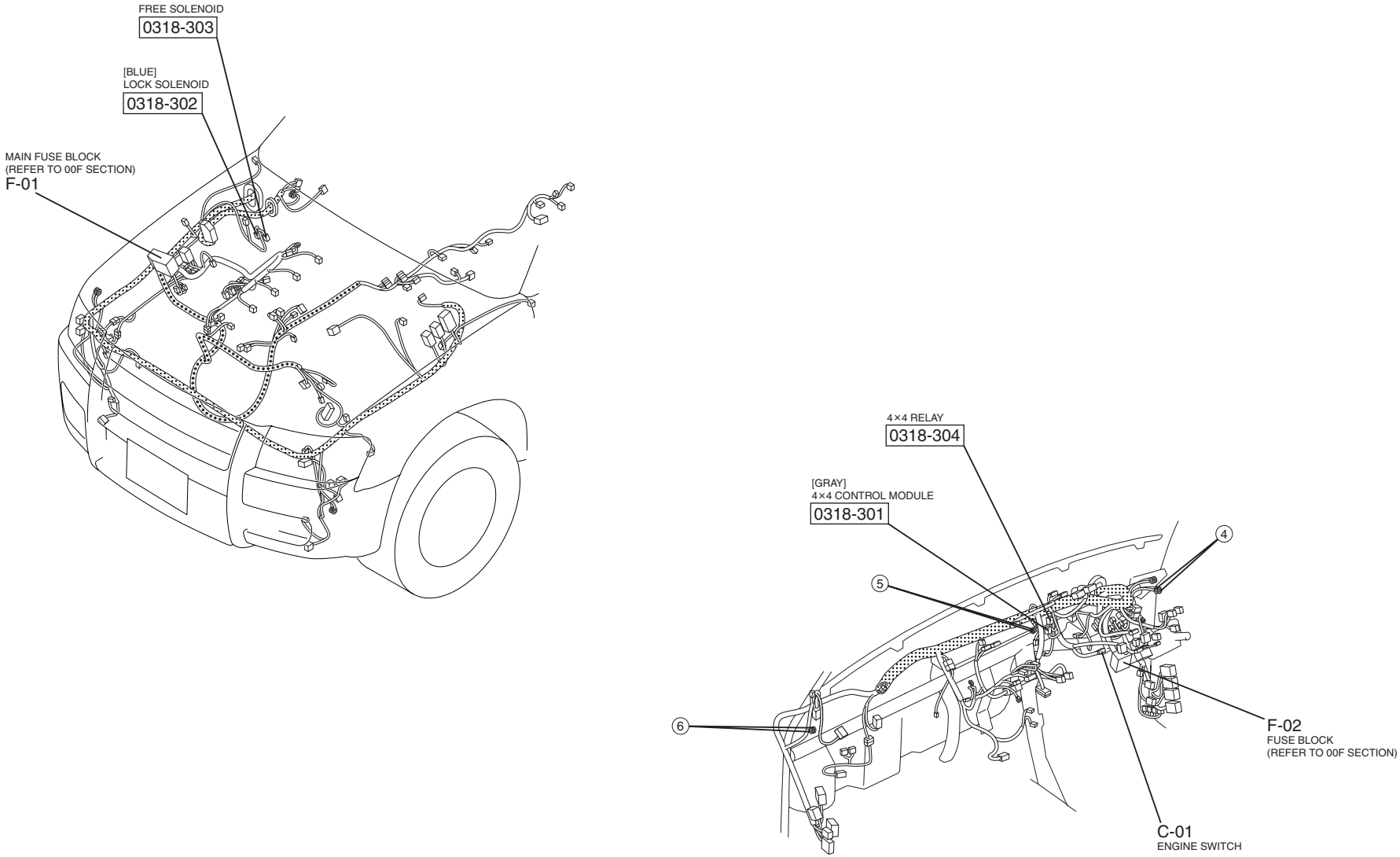


0318-304 4X4 RELAY (F)

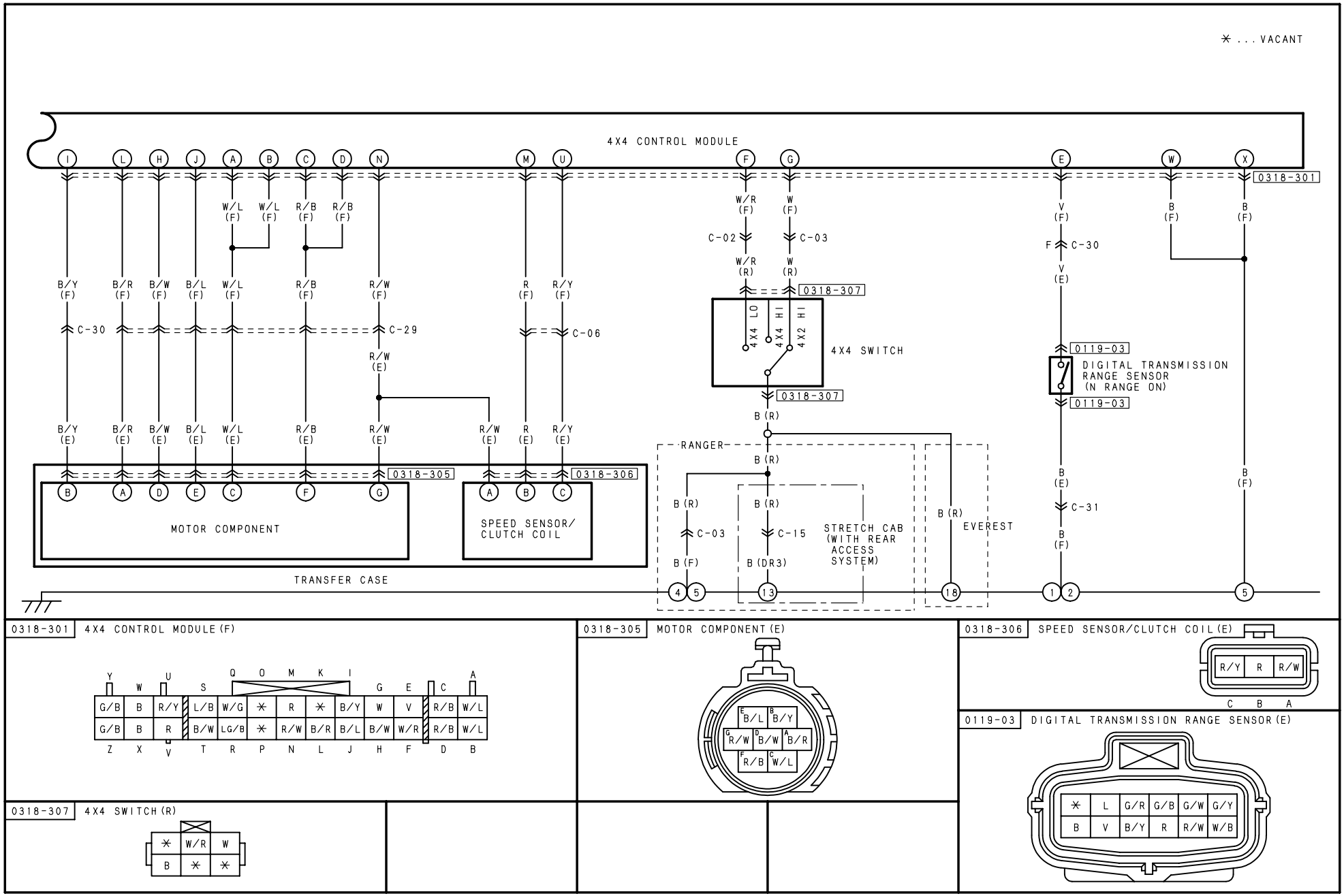


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HARNESS SYMBOL: (F) (E) (R)

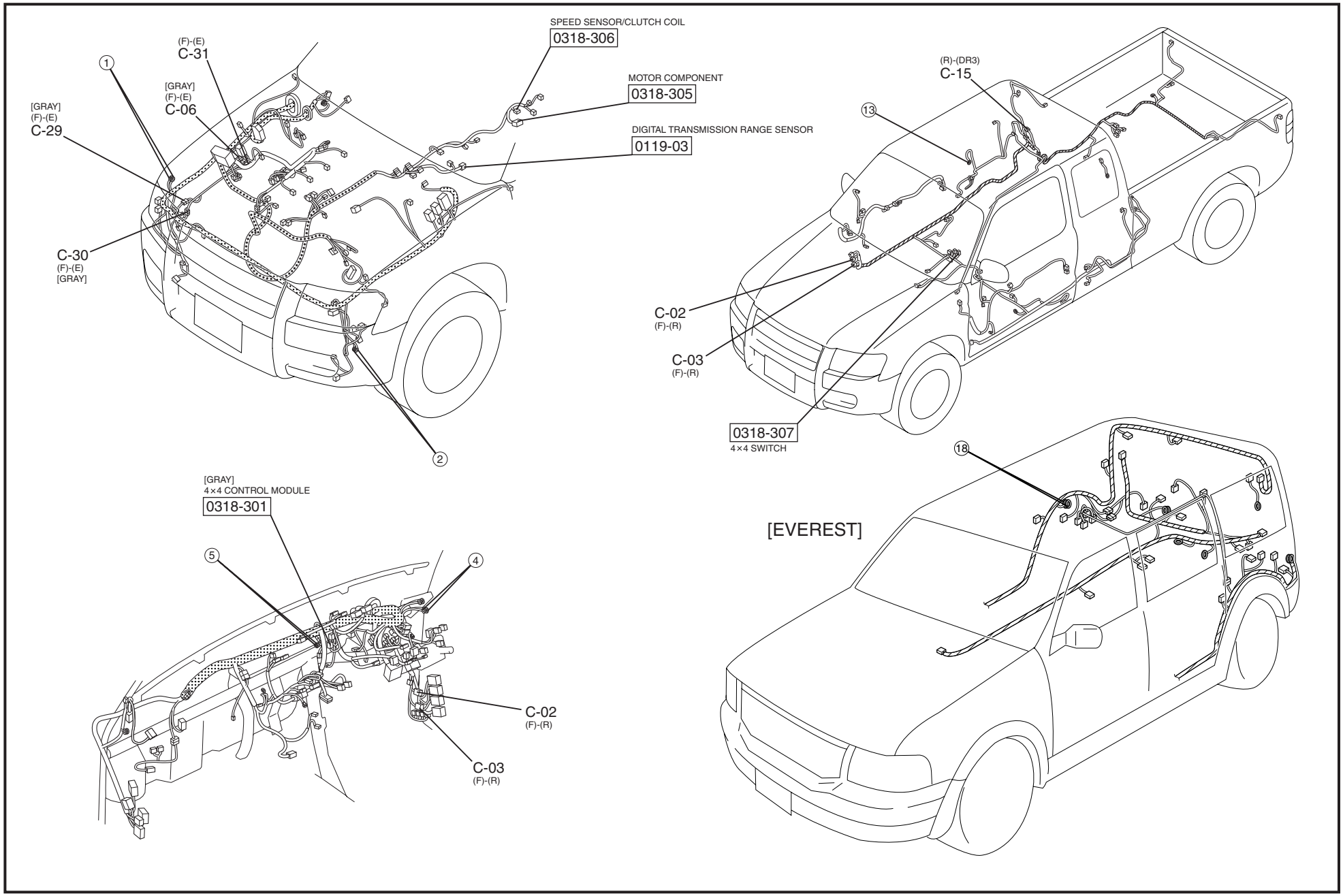


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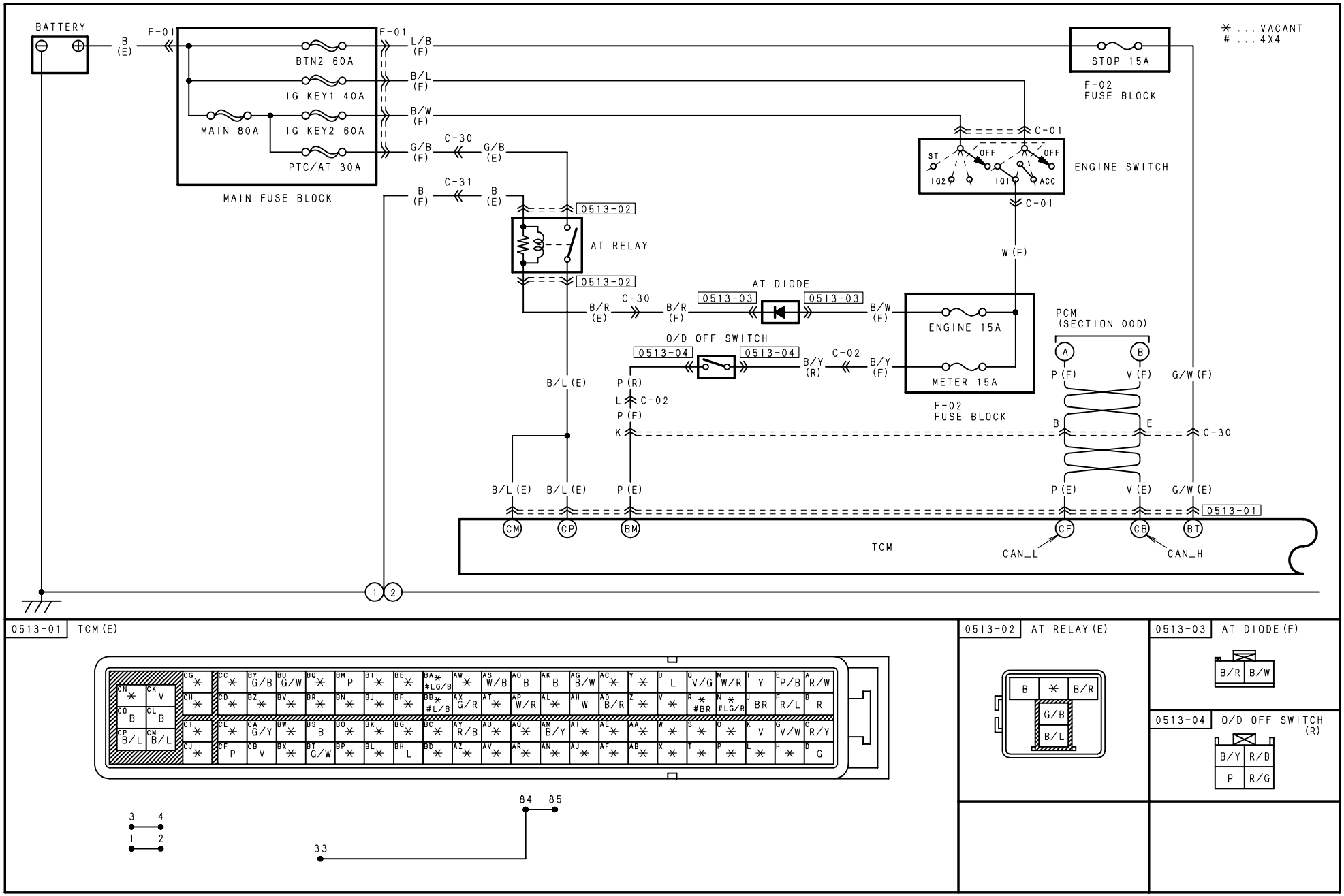


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HARNESS SYMBOL: (F) (E) (R)

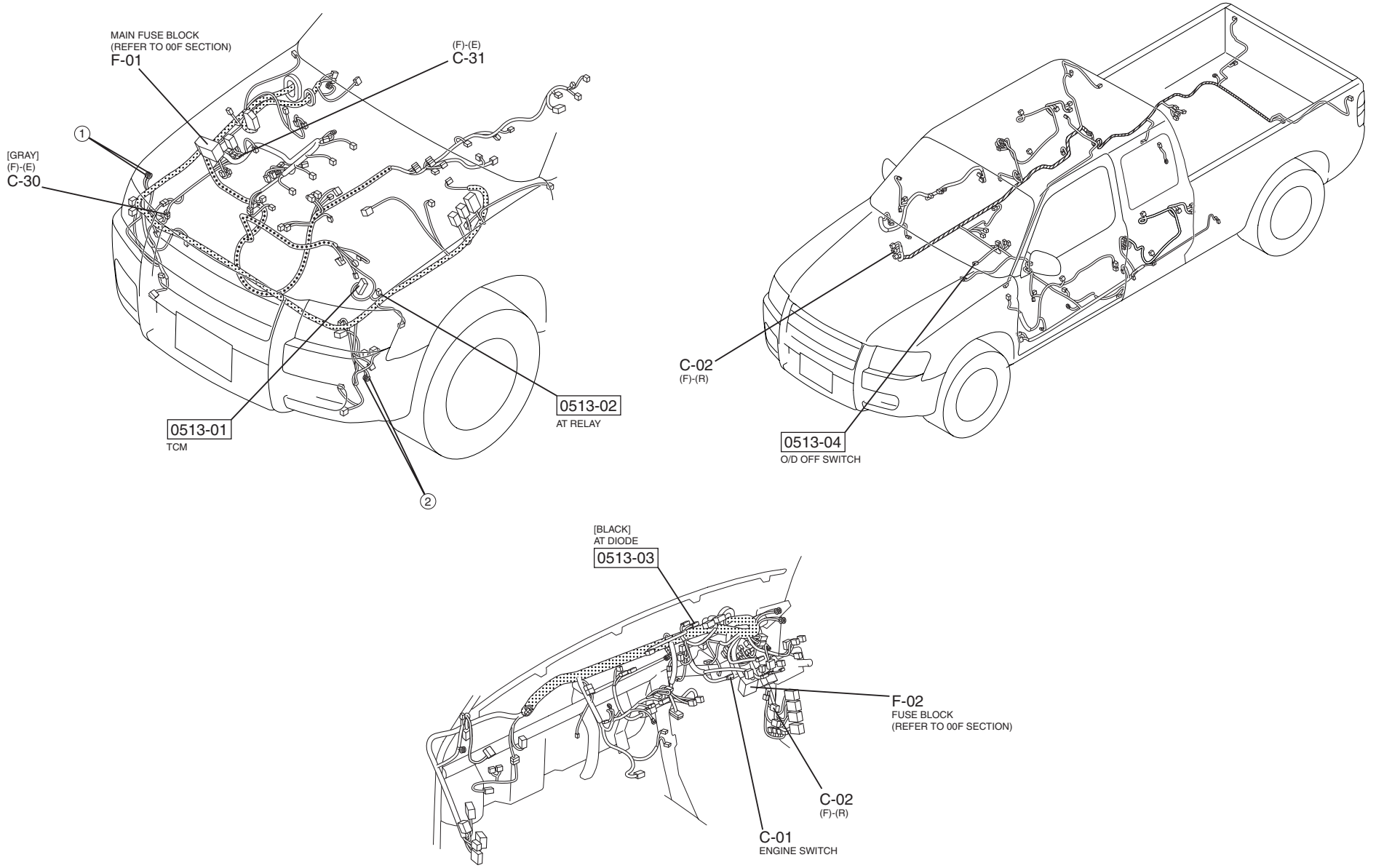


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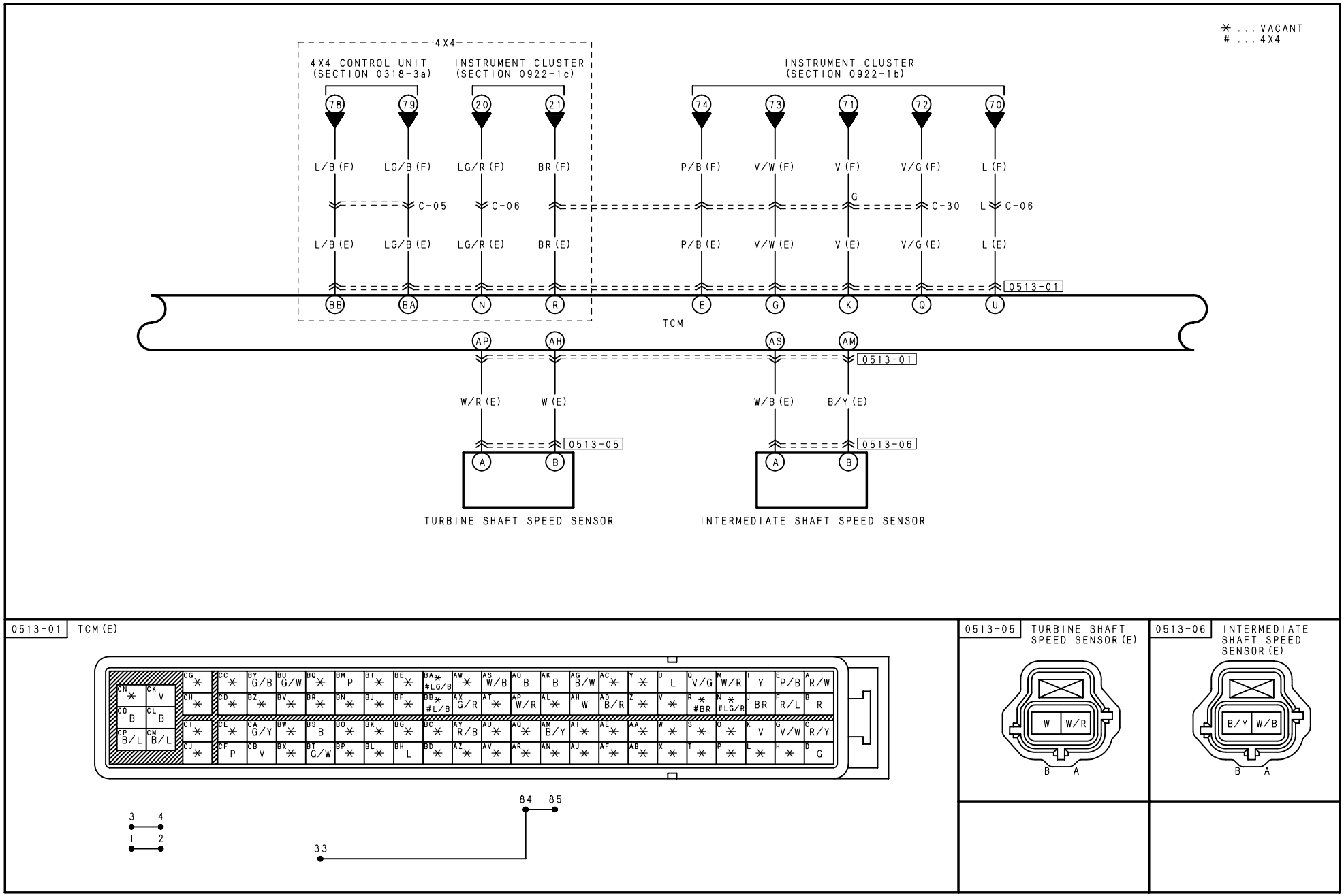


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HARNESS SYMBOL: (F) (E) (R)

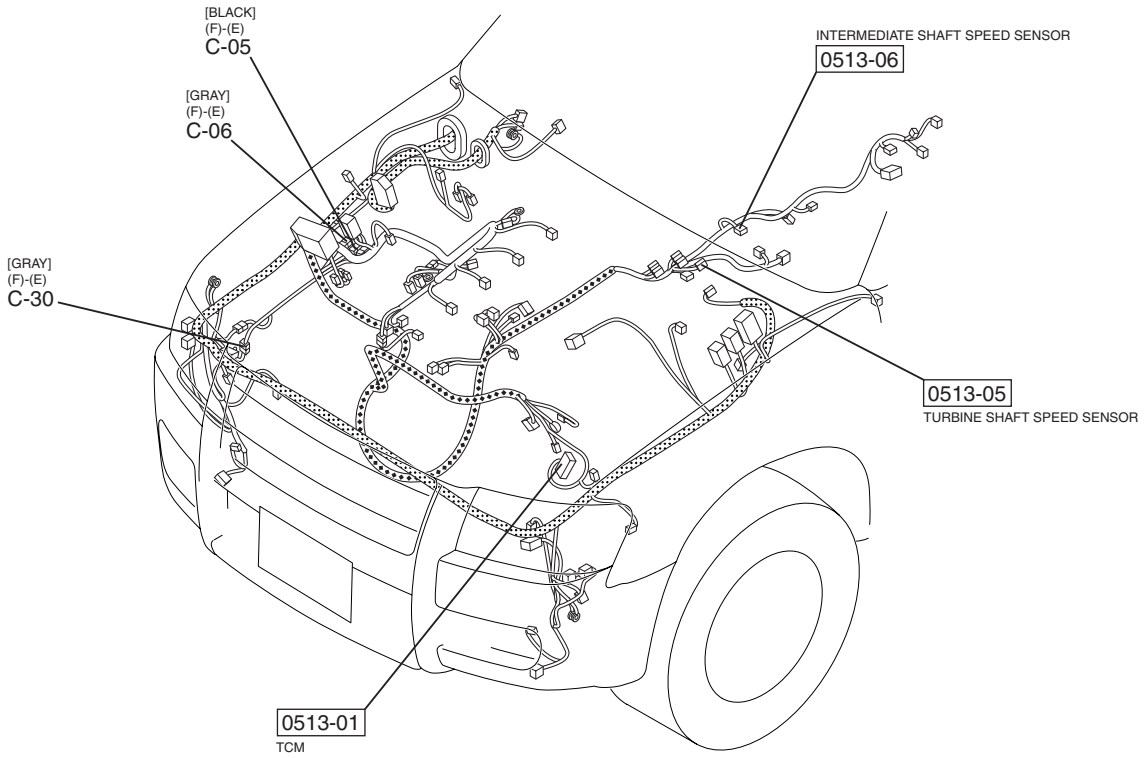


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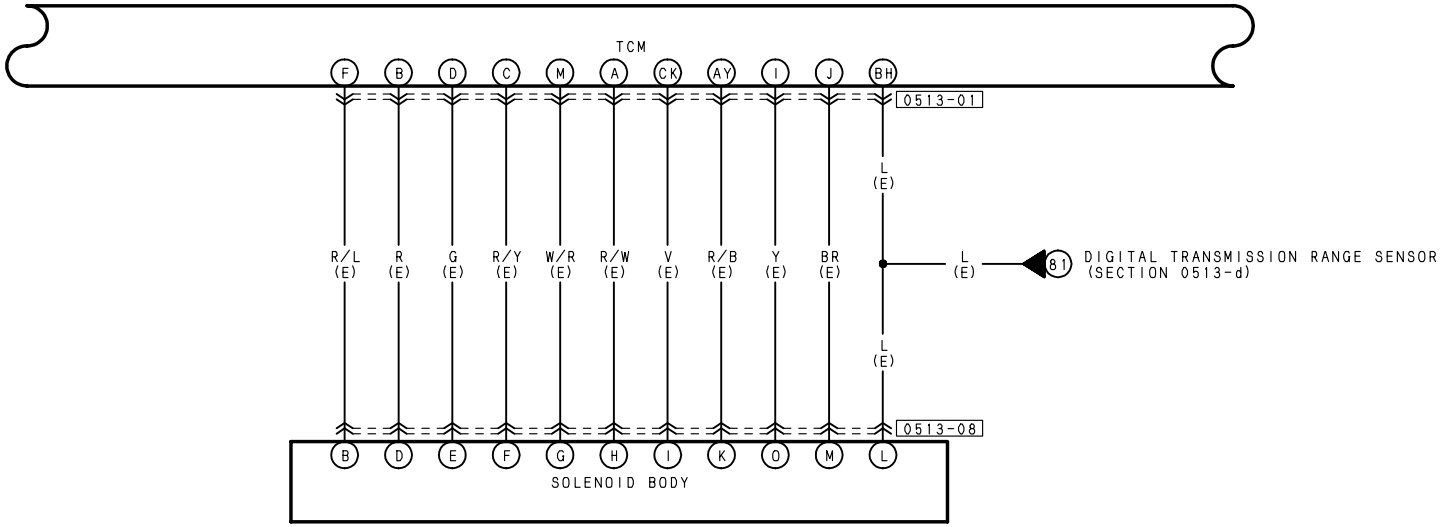
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HARNESS SYMBOL: (F) (E) (R)

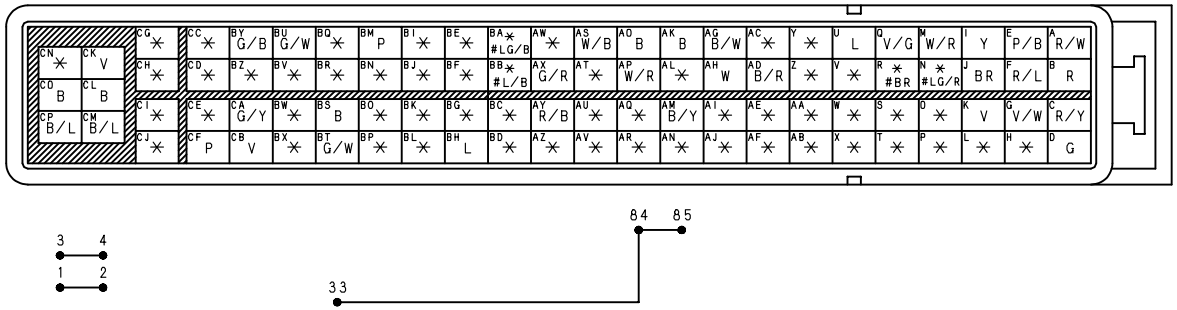


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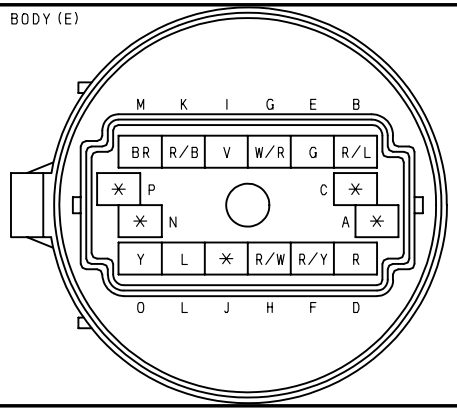
✳ . . . VACANT
. . . 4X4



0513-01 TCM (E)

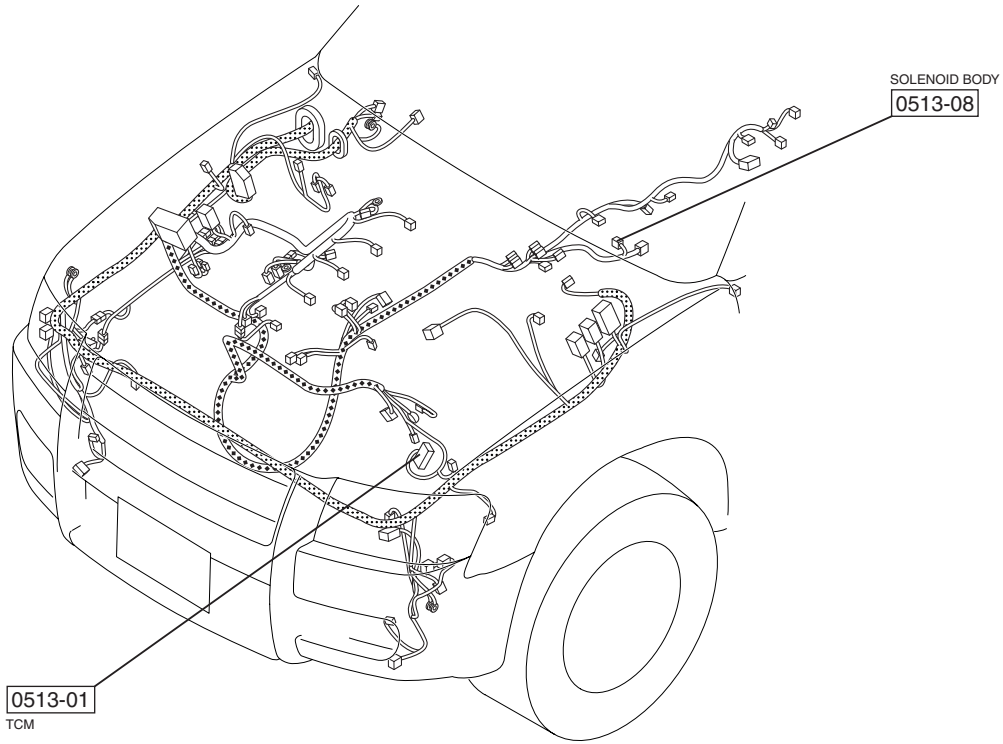


0513-08 SOLENOID BODY (E)

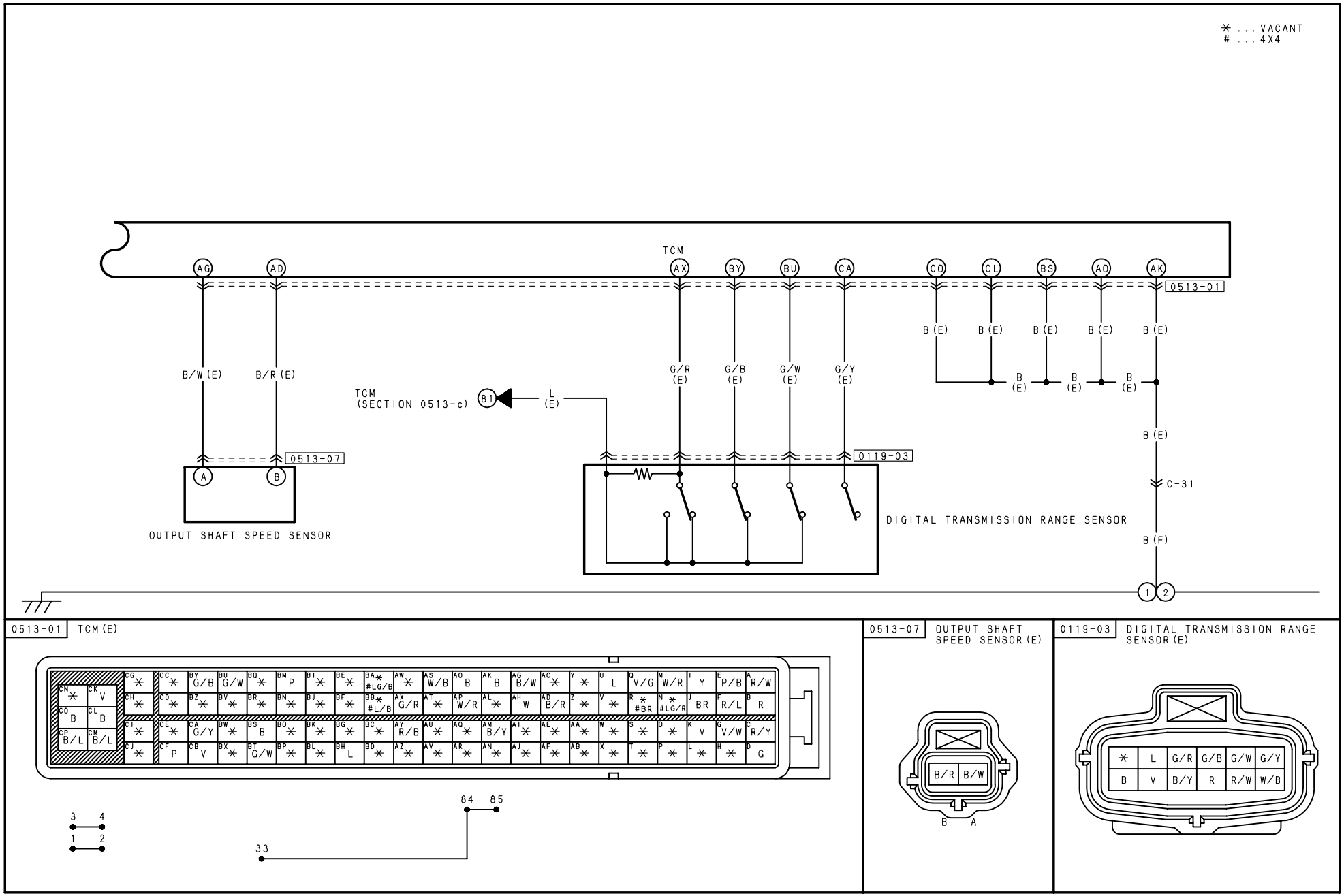


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HARNESS SYMBOL: (F) (E) (R)

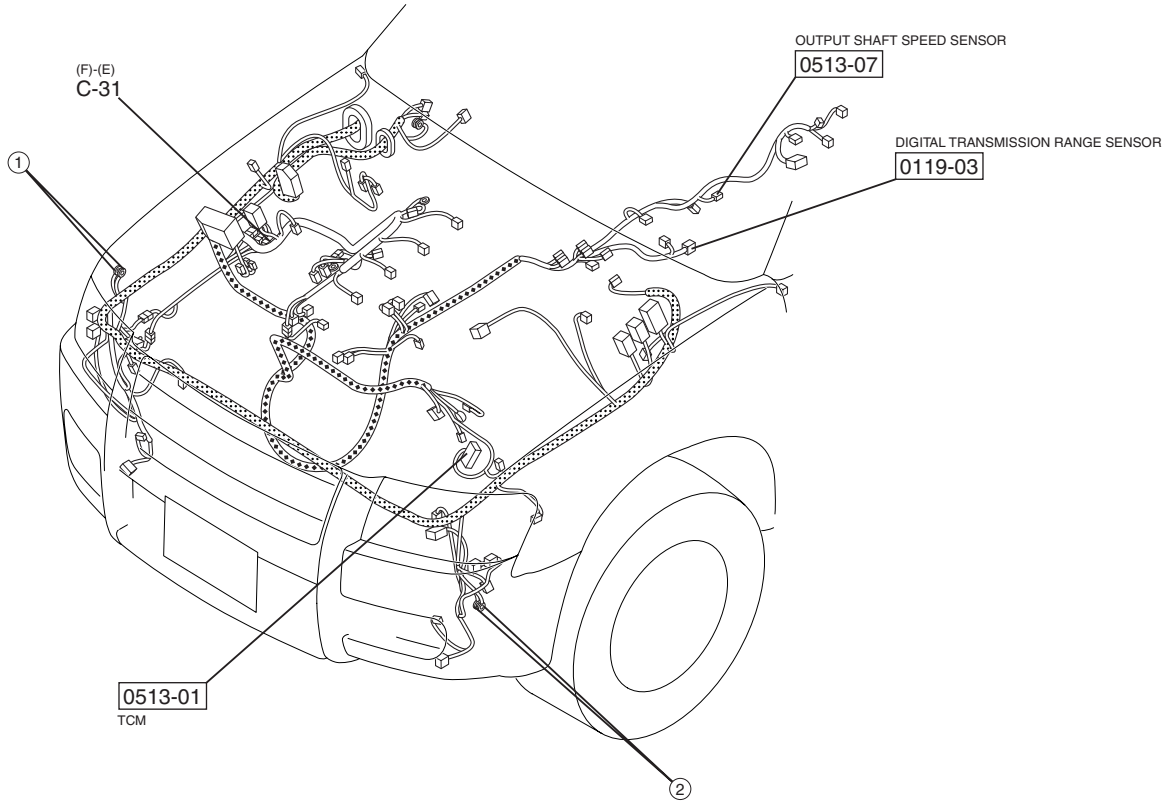


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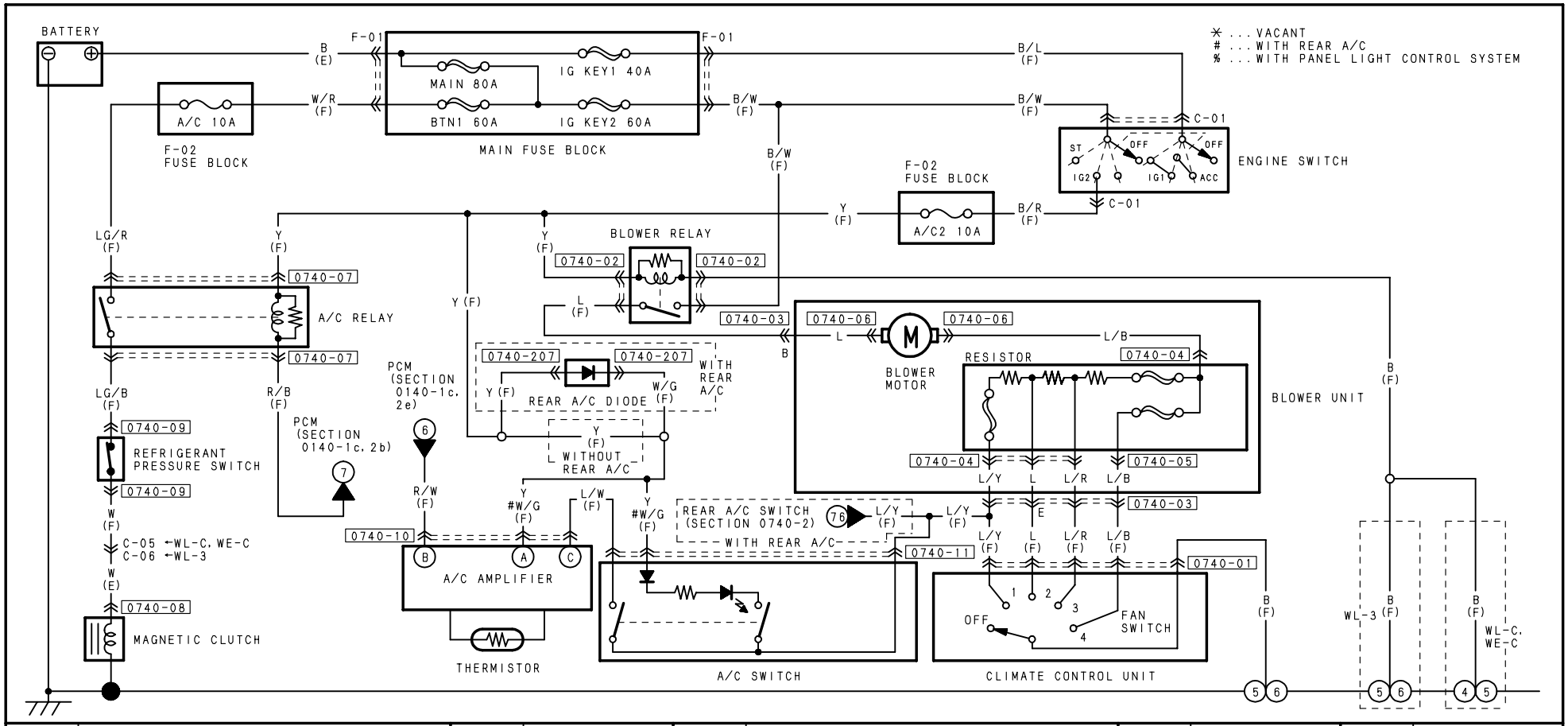


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HARNESS SYMBOL: (F) (E) (R)



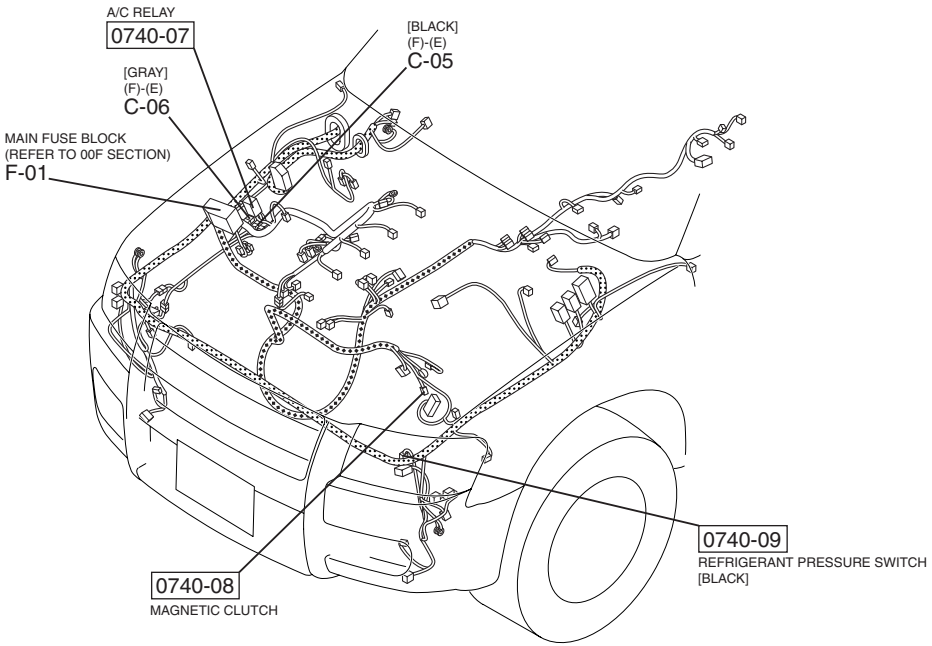
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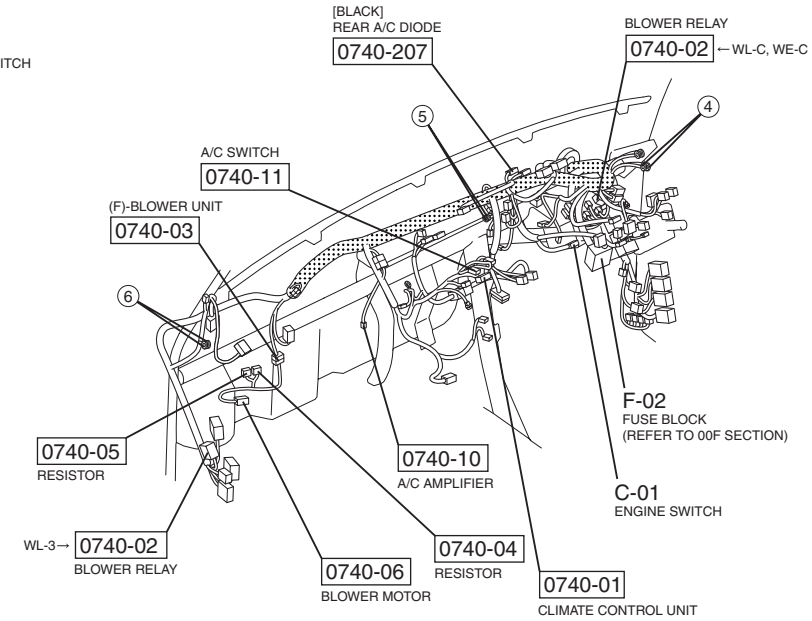


0740-01 CLIMATE CONTROL UNIT (F)	0740-02 BLOWER RELAY (F)	0740-03 FRONT (F) - BLOWER UNIT	0740-04 RESISTOR (SHORT CORD)	0740-05 RESISTOR (SHORT CORD)	
0740-06 BLOWER MOTOR (SHORT CORD)	0740-07 A/C RELAY (F)	0740-08 MAGNETIC CLUTCH (E)	0740-09 REFRIGERANT PRESSURE SWITCH (F)	0740-10 A/C AMPLIFIER (F)	0740-11 A/C SWITCH (F)
0740-207 REAR A/C DIODE (F)					

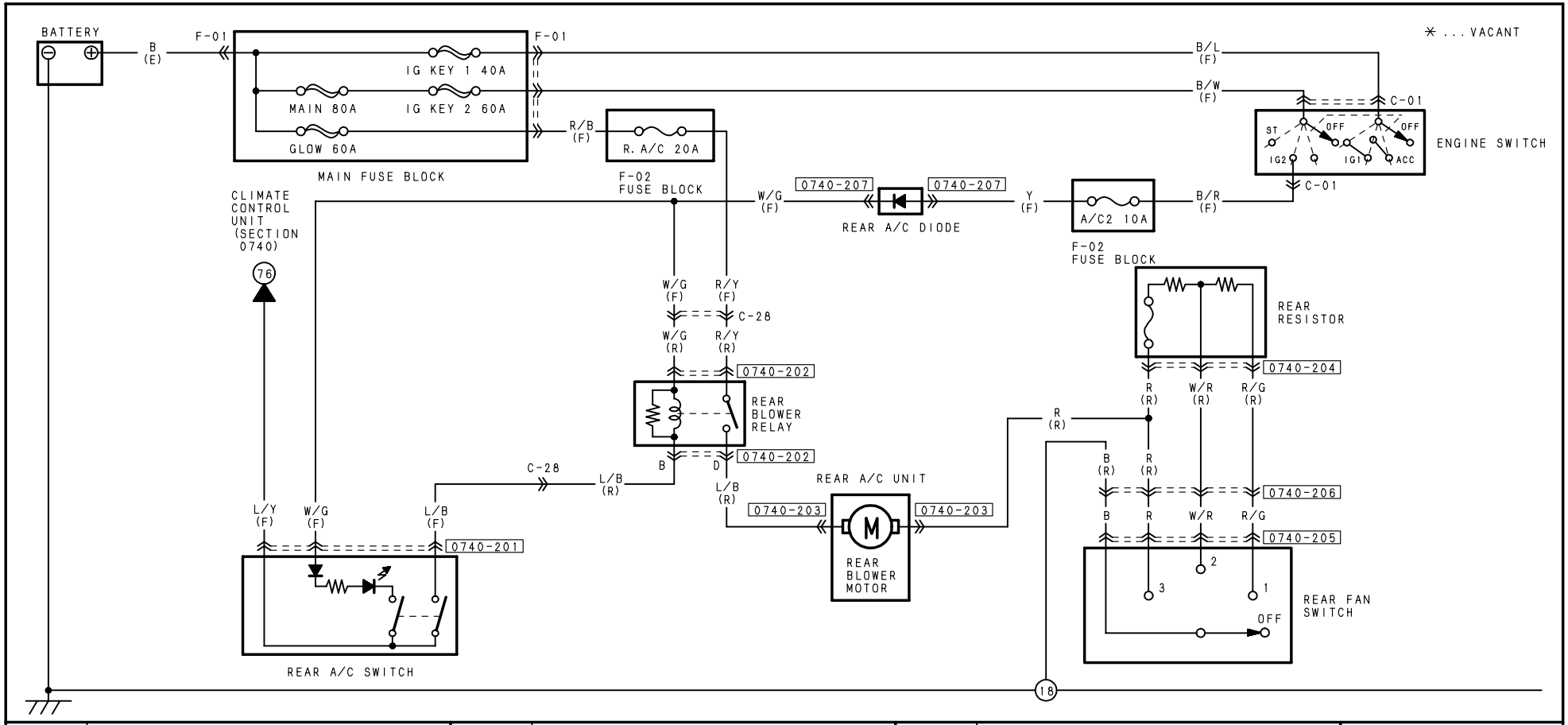
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HARNESS SYMBOL: (F) (E) (R)





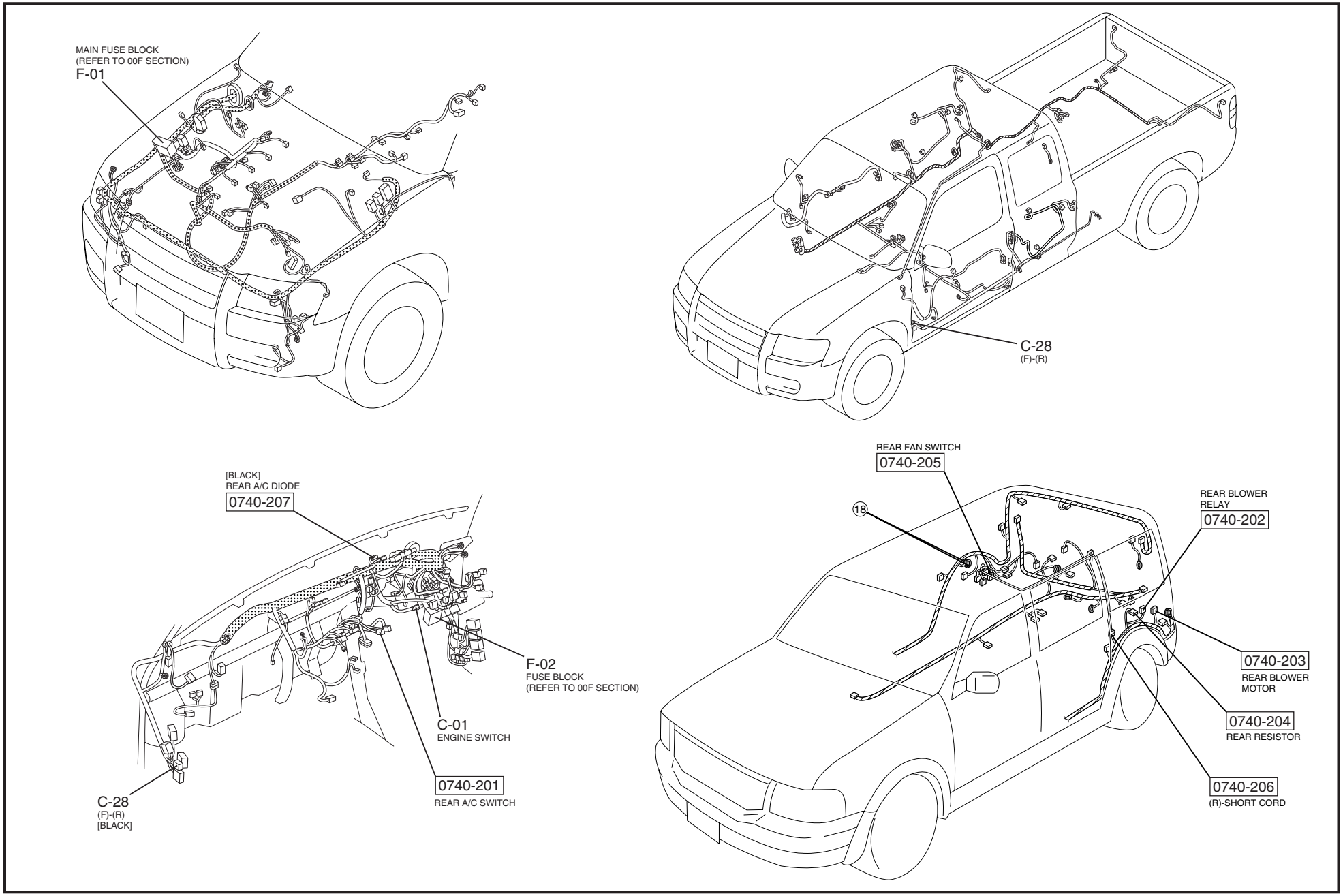
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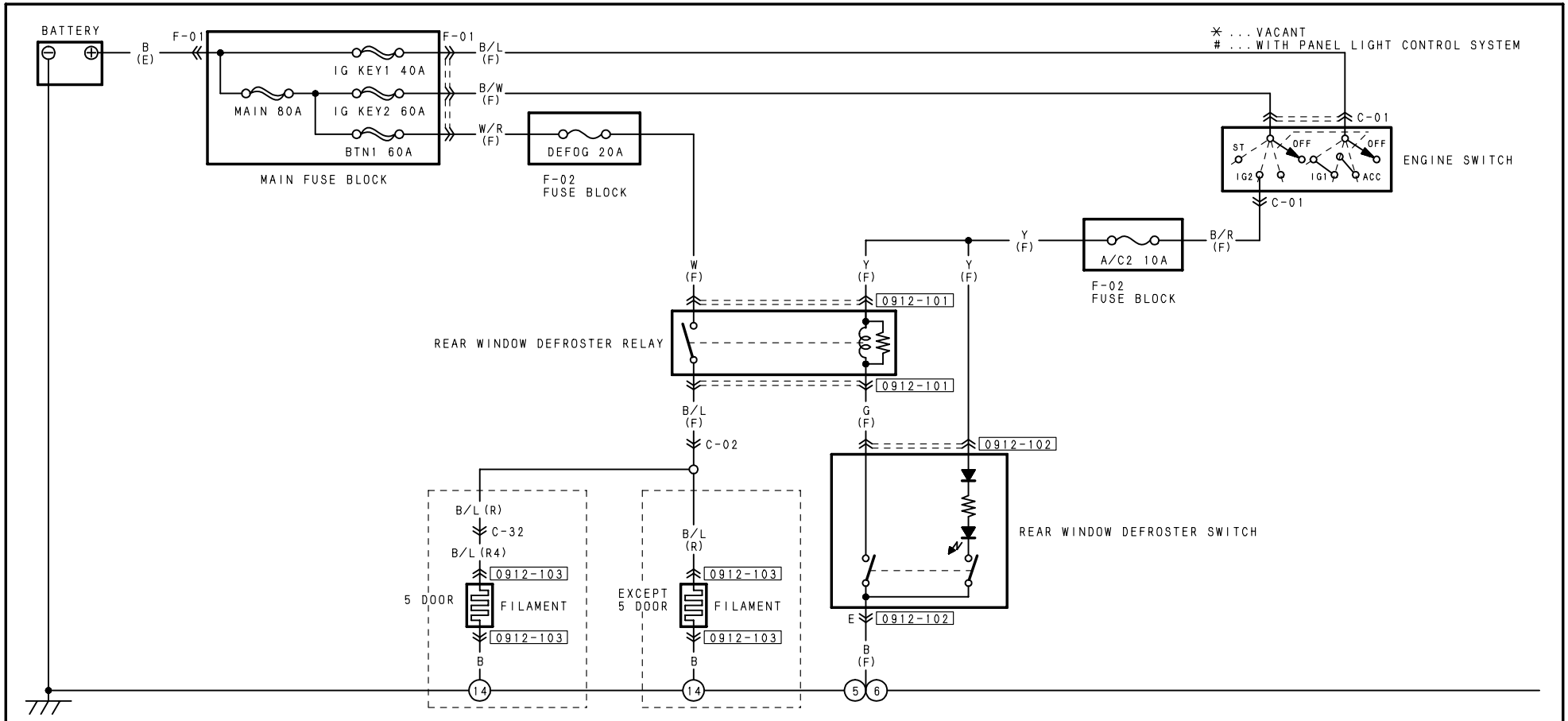
0740-201 REAR A/C SWITCH (F)	0740-202 REAR BLOWER RELAY (R)	0740-203 REAR BLOWER MOTOR (R)
0740-204 REAR RESISTOR (R)	0740-205 REAR FAN SWITCH (SHORT CORD)	0740-206 REAR (R) -SHORT CORD
0740-207 REAR A/C DIODE (F)		

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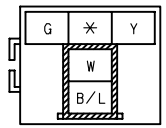
HARNESS SYMBOL: (F) (E) (R)



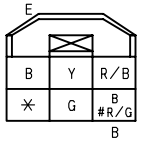
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0912-101 REAR WINDOW DEFROSTER RELAY (F)



0912-102 REAR WINDOW DEFROSTER SWITCH (F)

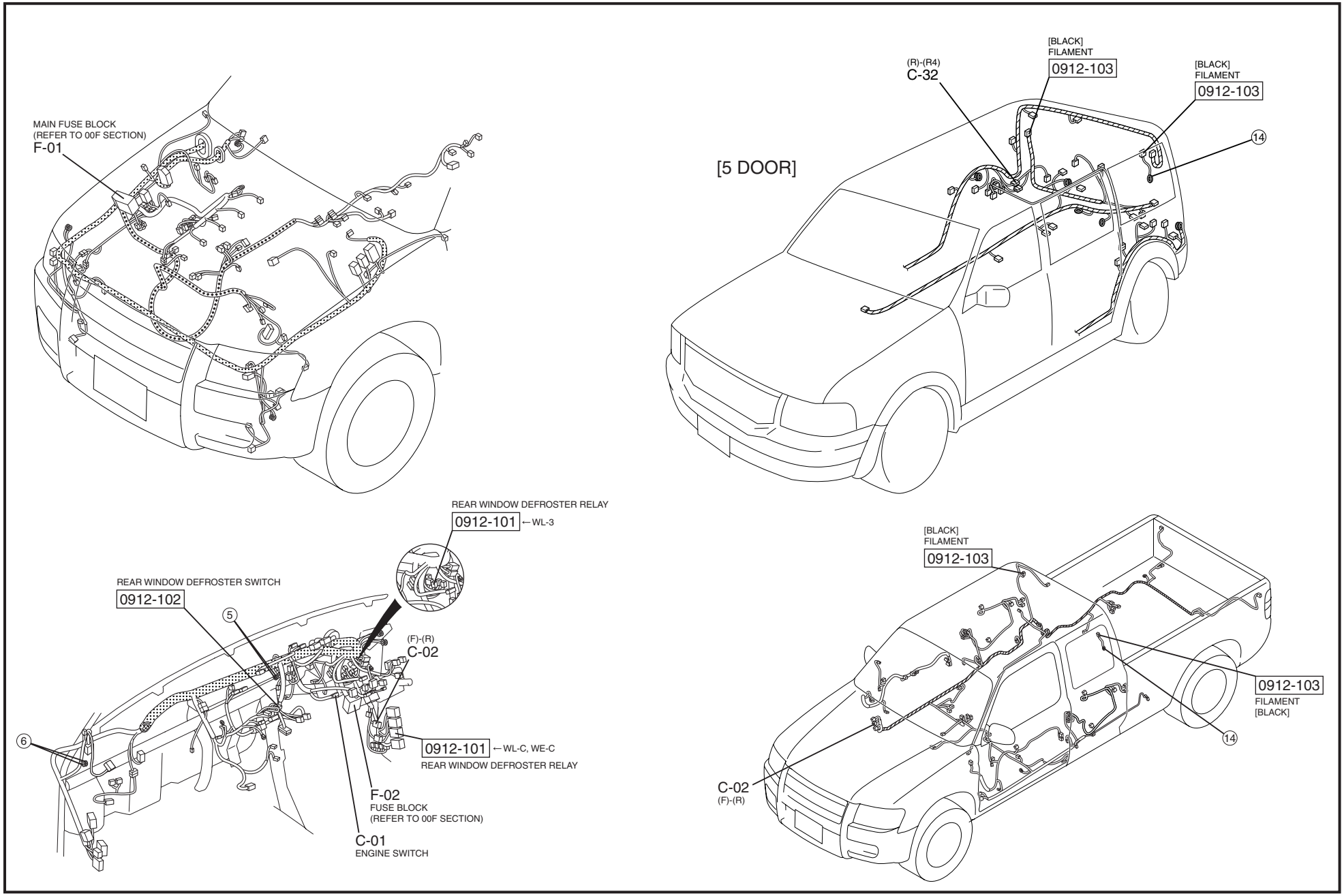


0912-103 FILAMENT

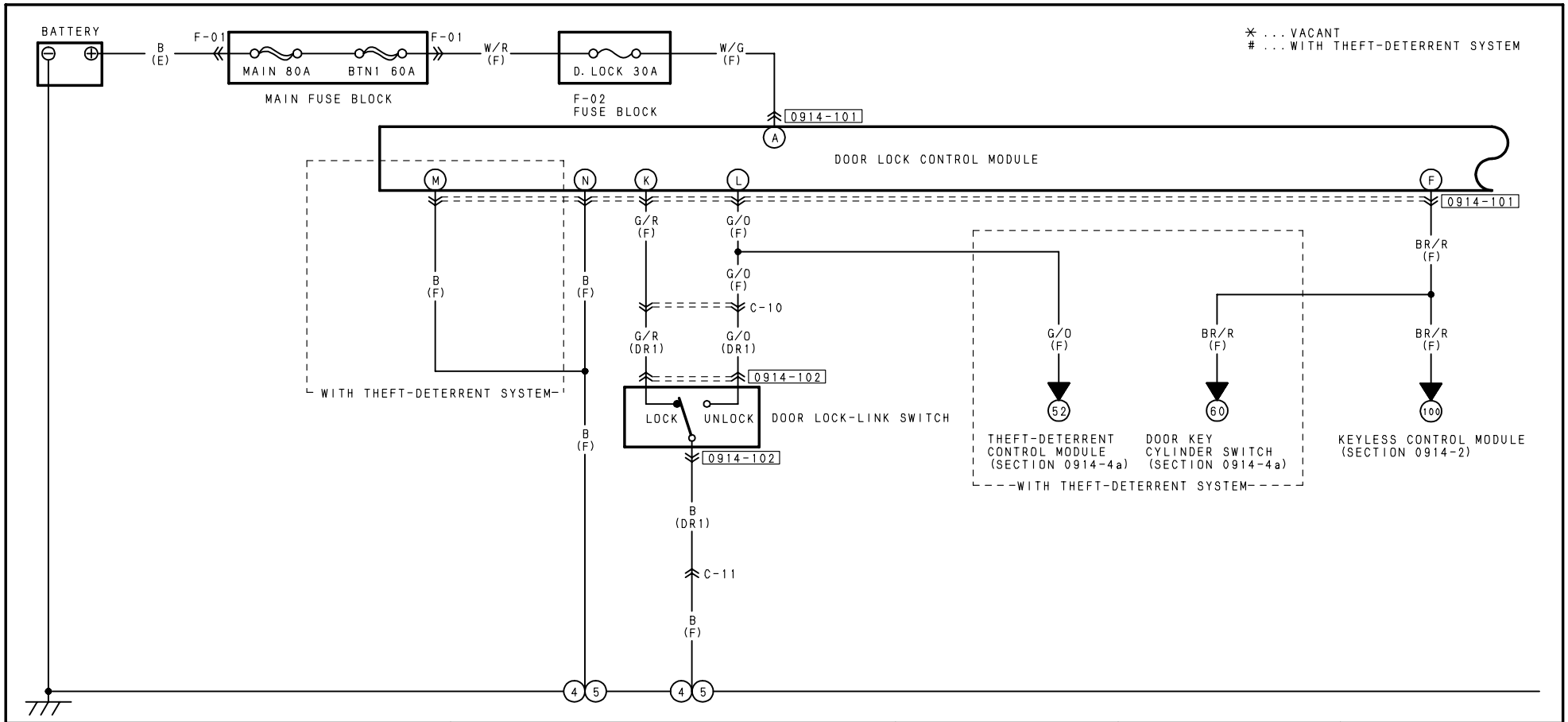


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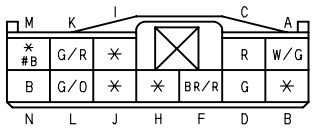
HARNESS SYMBOL: (F) (E) (R)



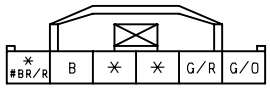
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0914-101 DOOR LOCK CONTROL MODULE (F)

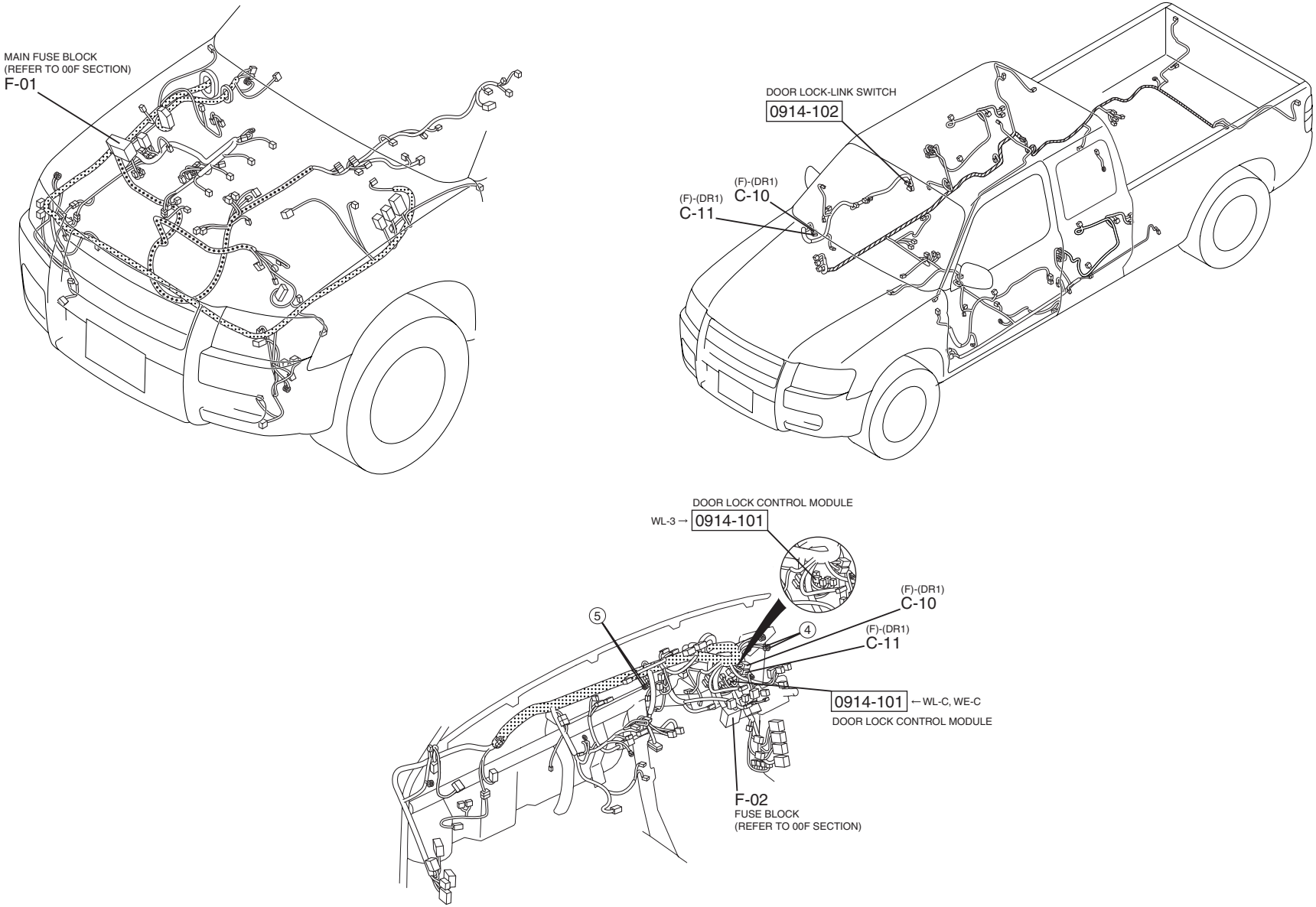


0914-102 DOOR LOCK-LINK SWITCH (DR1)

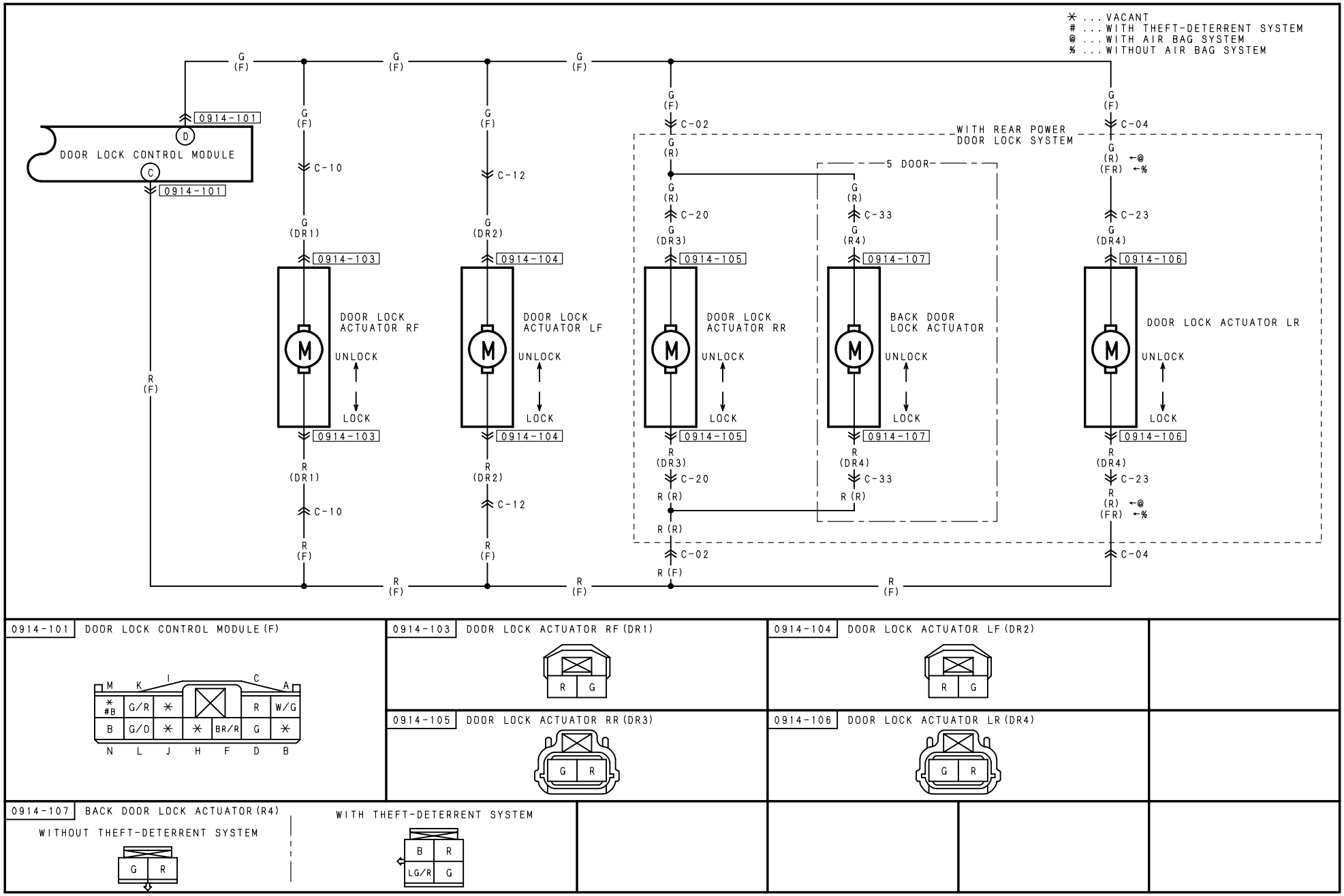


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HARNESS SYMBOL: (F) (E) (R)

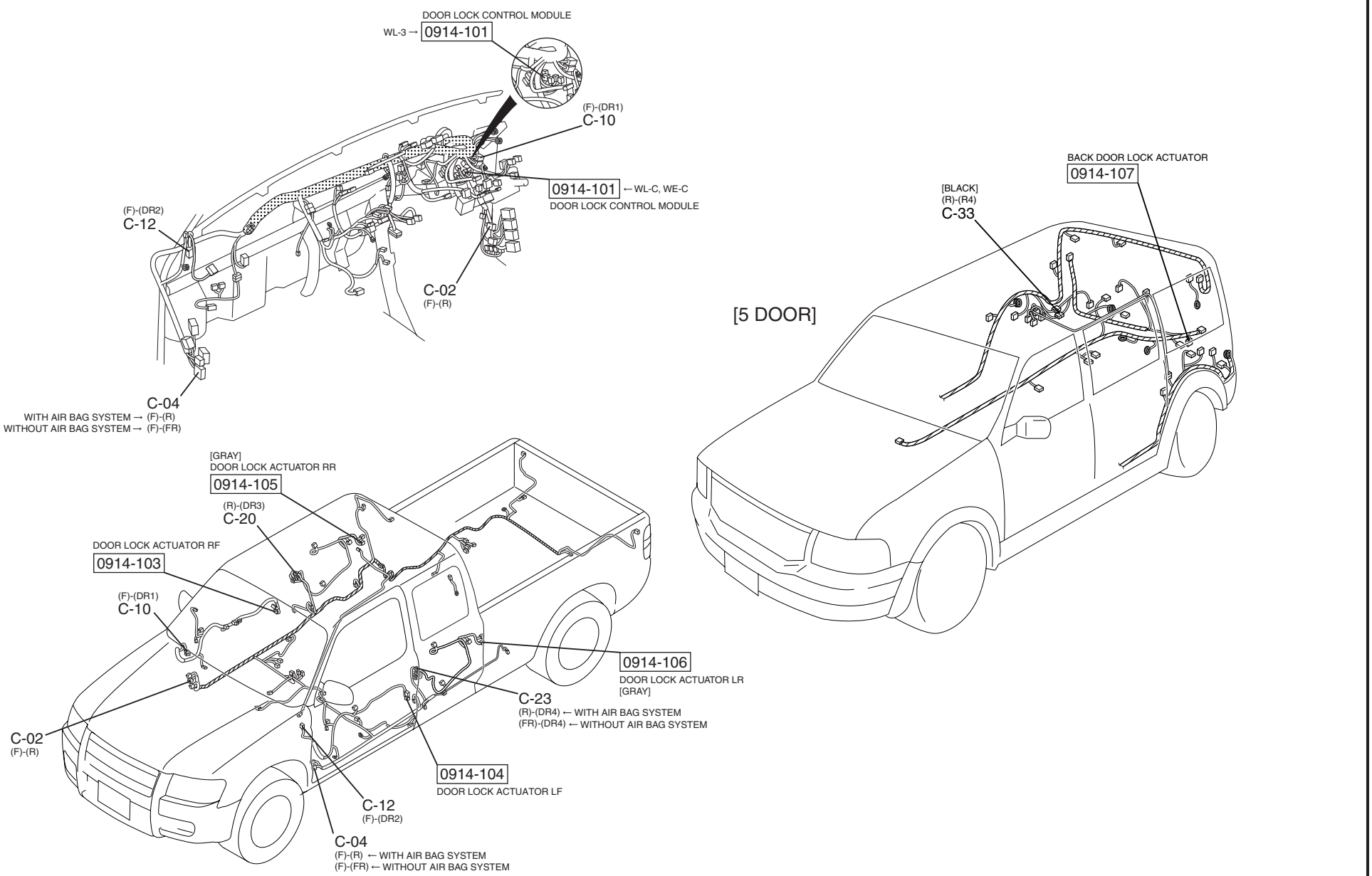


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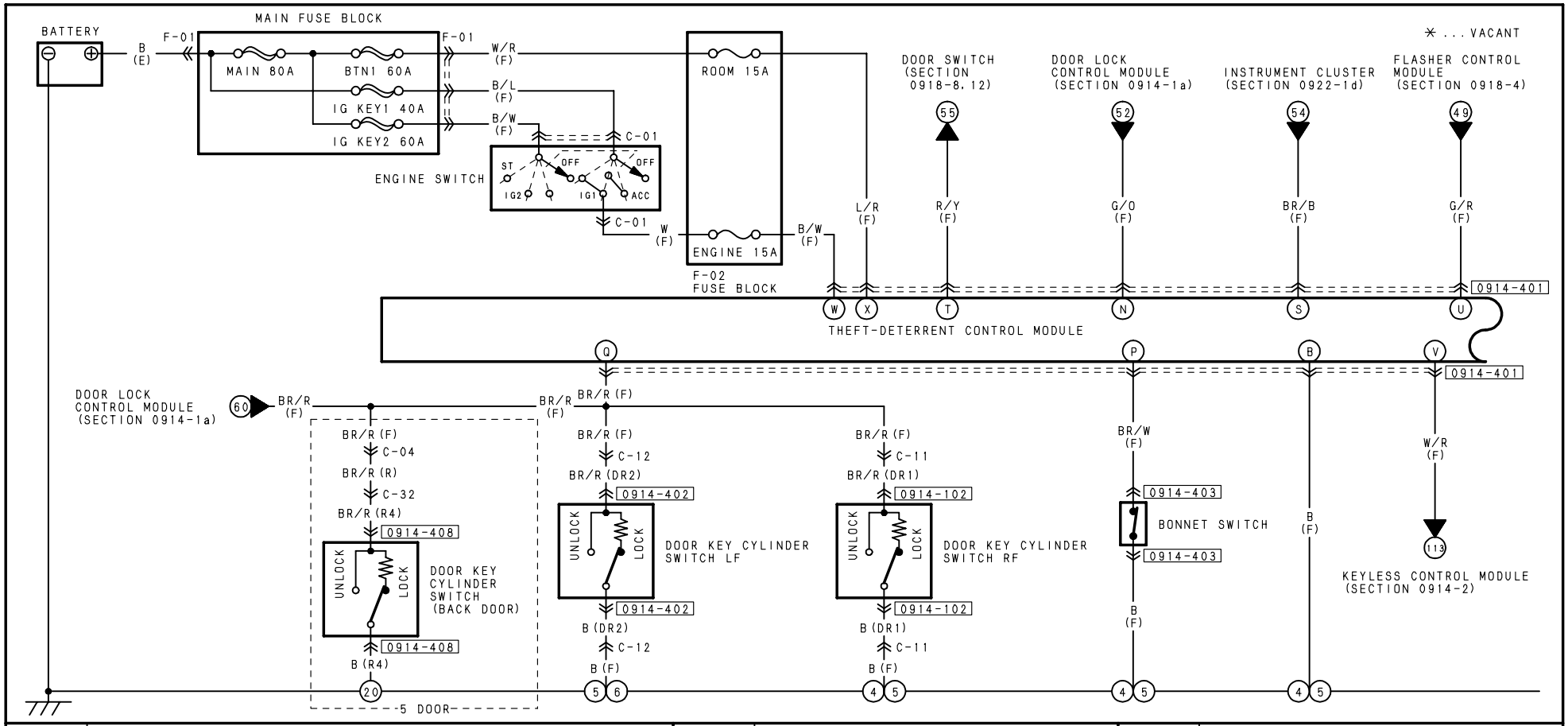


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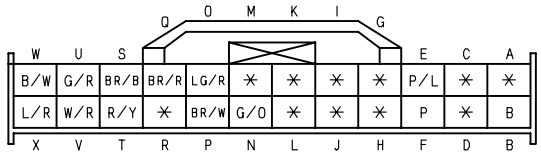
HARNESS SYMBOL: (F) (E) (R)



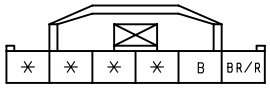
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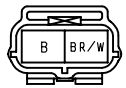
0914-401 THEFT-DETERRENT CONTROL MODULE (F)



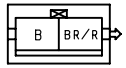
0914-402 DOOR KEY CYLINDER SWITCH LF (DR2)



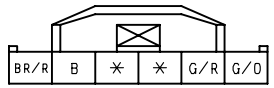
0914-403 BONNET SWITCH (F)



0914-408 DOOR KEY CYLINDER SWITCH (BACK DOOR) (R4)

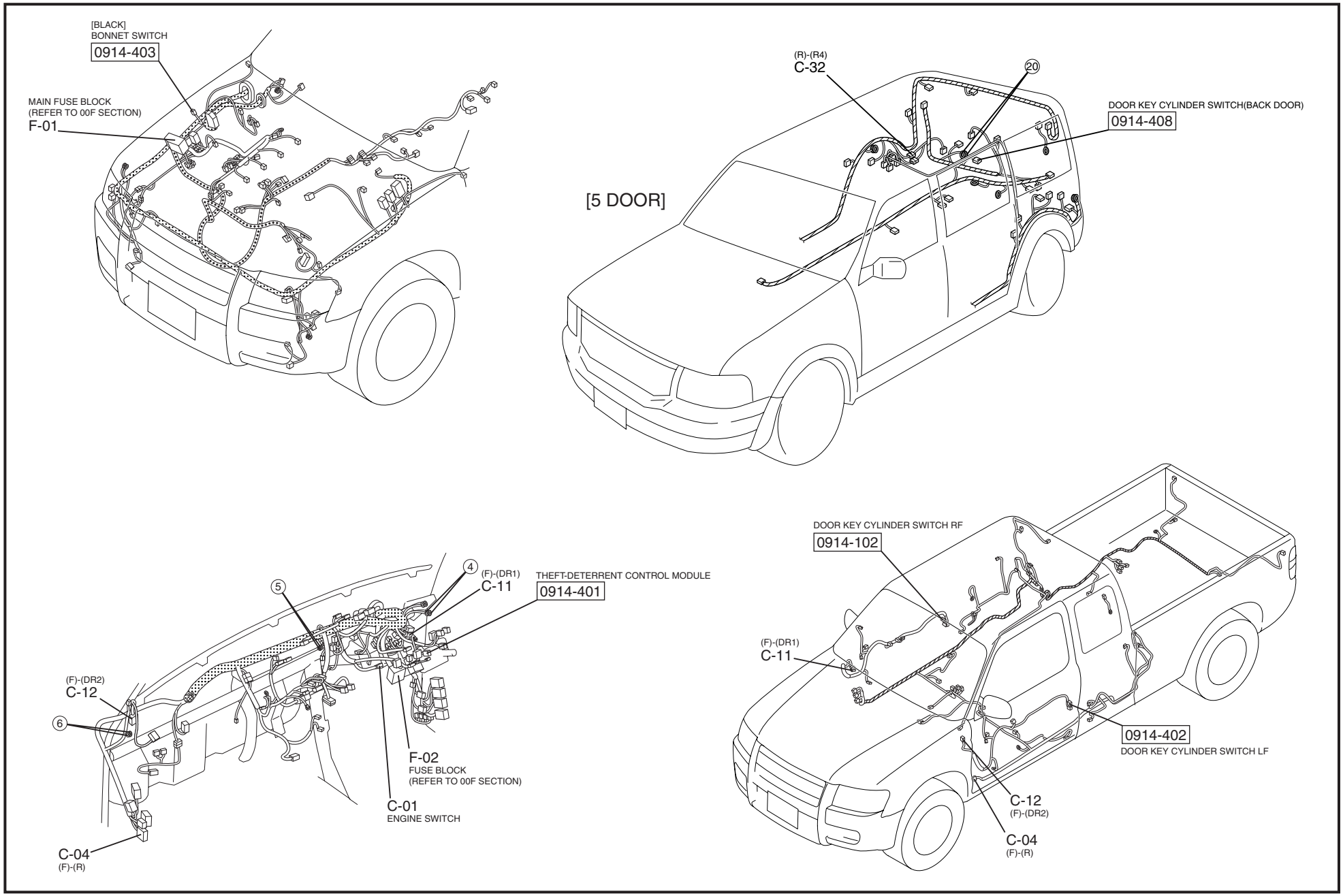


0914-102 DOOR KEY CYLINDER SWITCH RF (DR1)

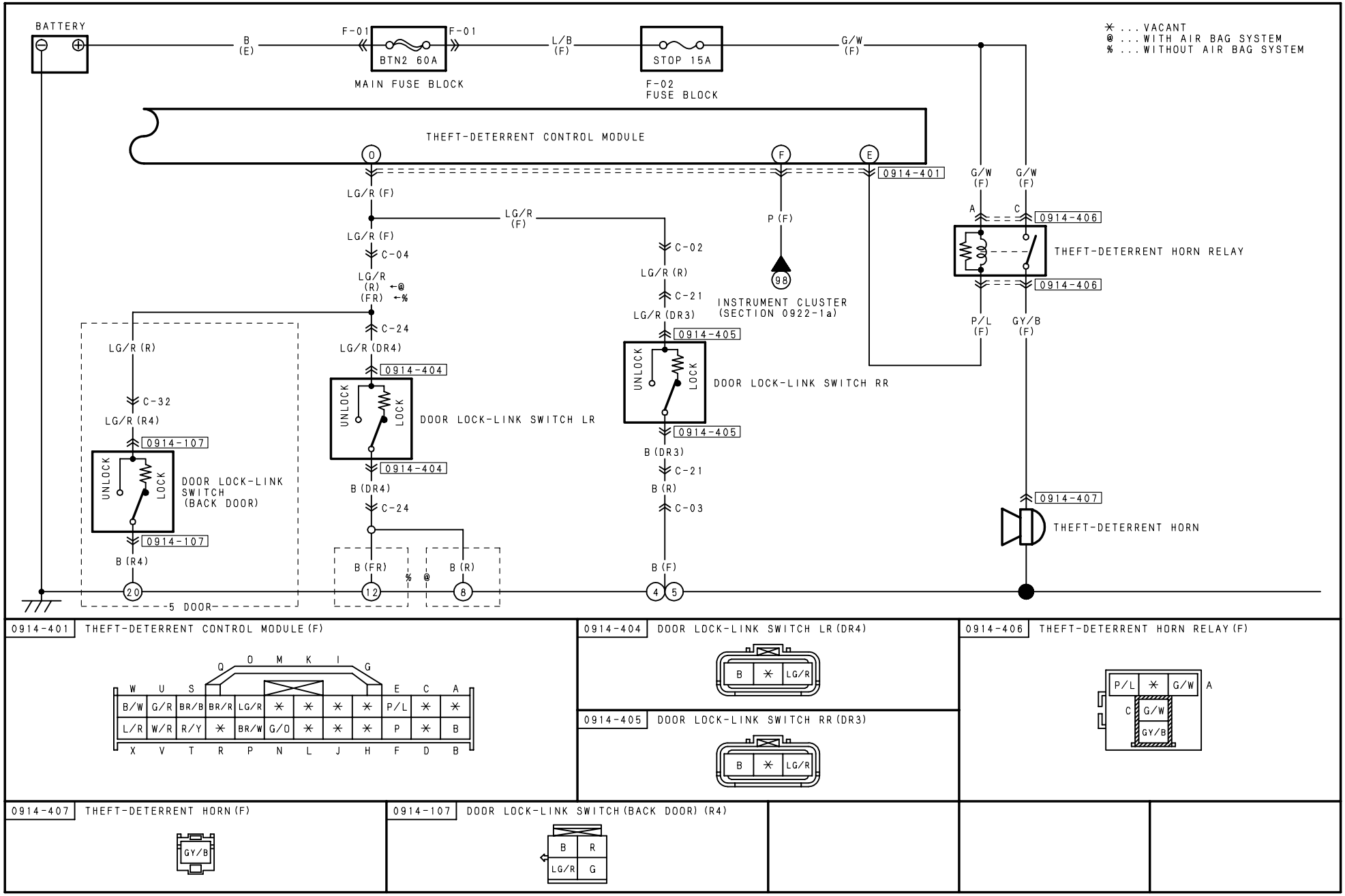


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HARNESS SYMBOL: (F) (E) (R)



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0914-401 THEFT-DETERRENT CONTROL MODULE (F)

0914-404 DOOR LOCK-LINK SWITCH LR (DR4)

0914-405 DOOR LOCK-LINK SWITCH RR (DR3)

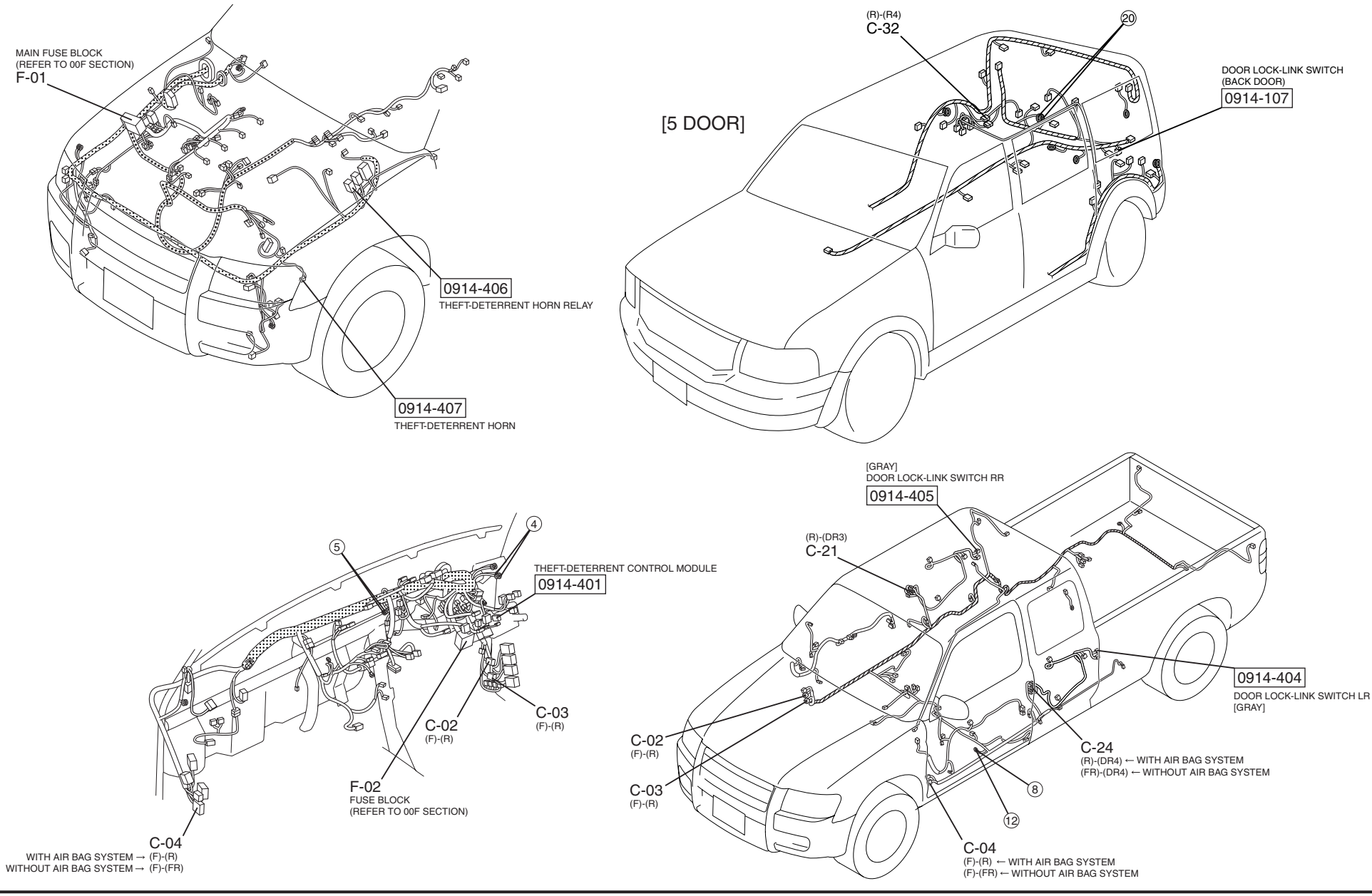
0914-406 THEFT-DETERRENT HORN RELAY (F)

0914-407 THEFT-DETERRENT HORN (F)

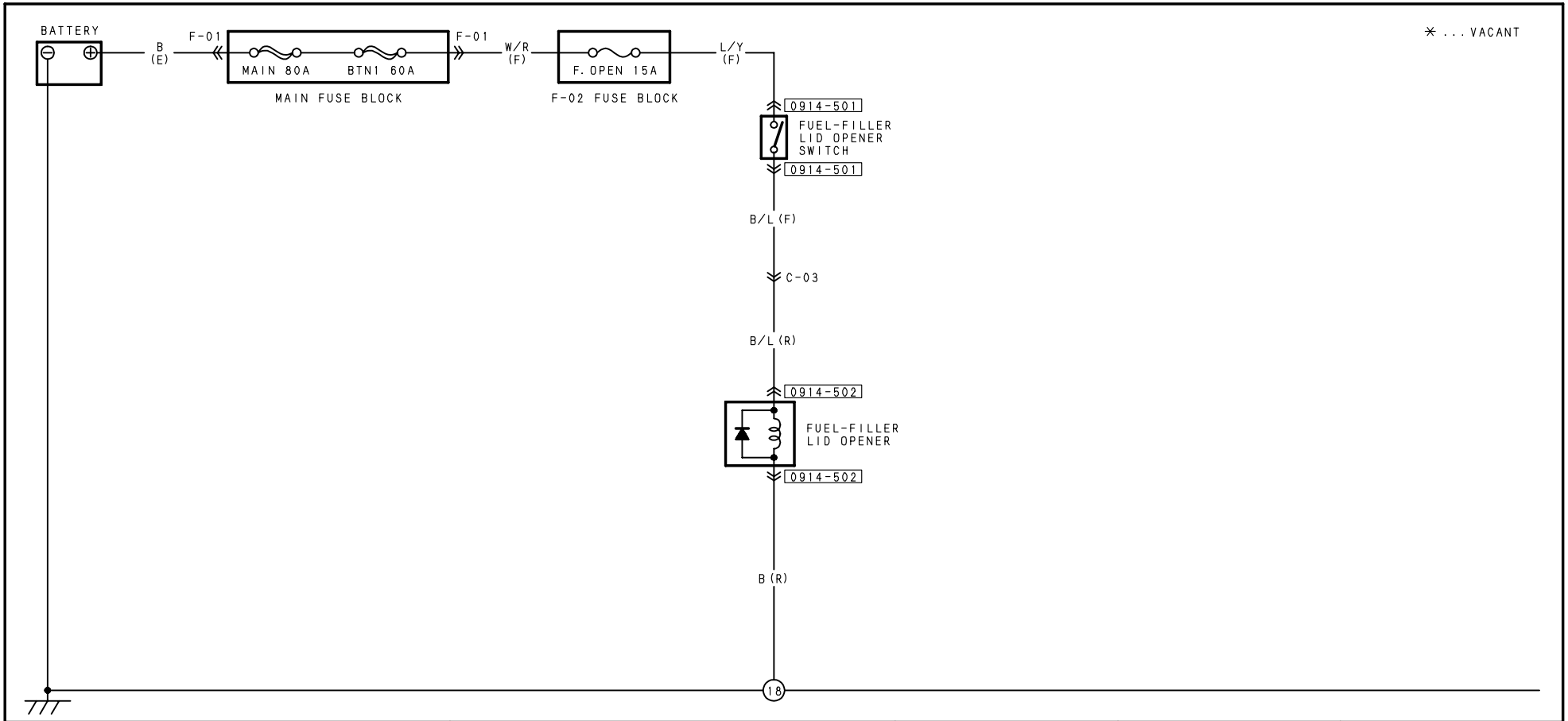
0914-107 DOOR LOCK-LINK SWITCH (BACK DOOR) (R4)

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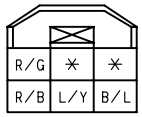
HARNESS SYMBOL: (F) (E) (R)



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0914-501 FUEL-FILLER LID OPENER SWITCH (F)

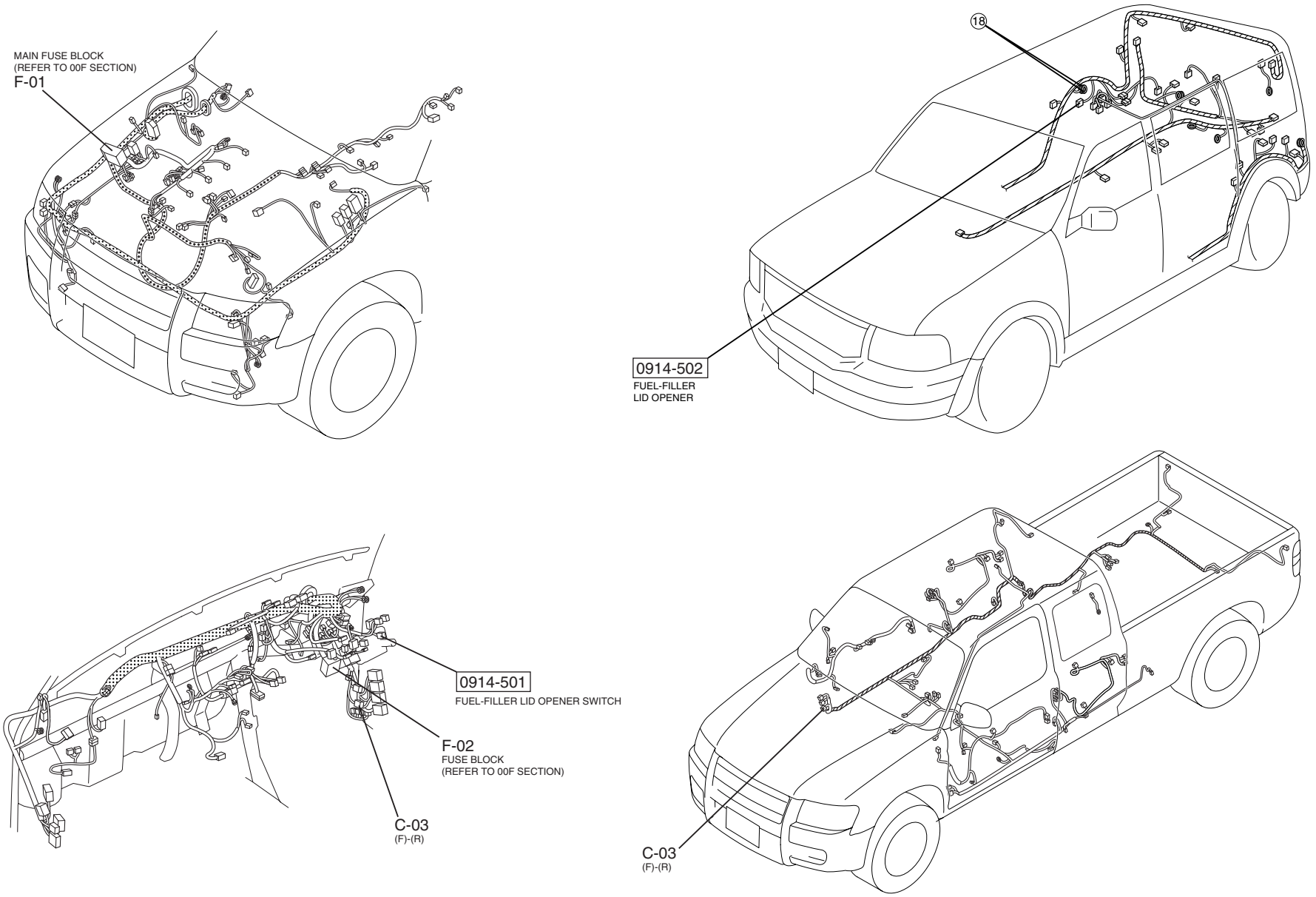


0914-502 FUEL-FILLER LID OPENER (R)

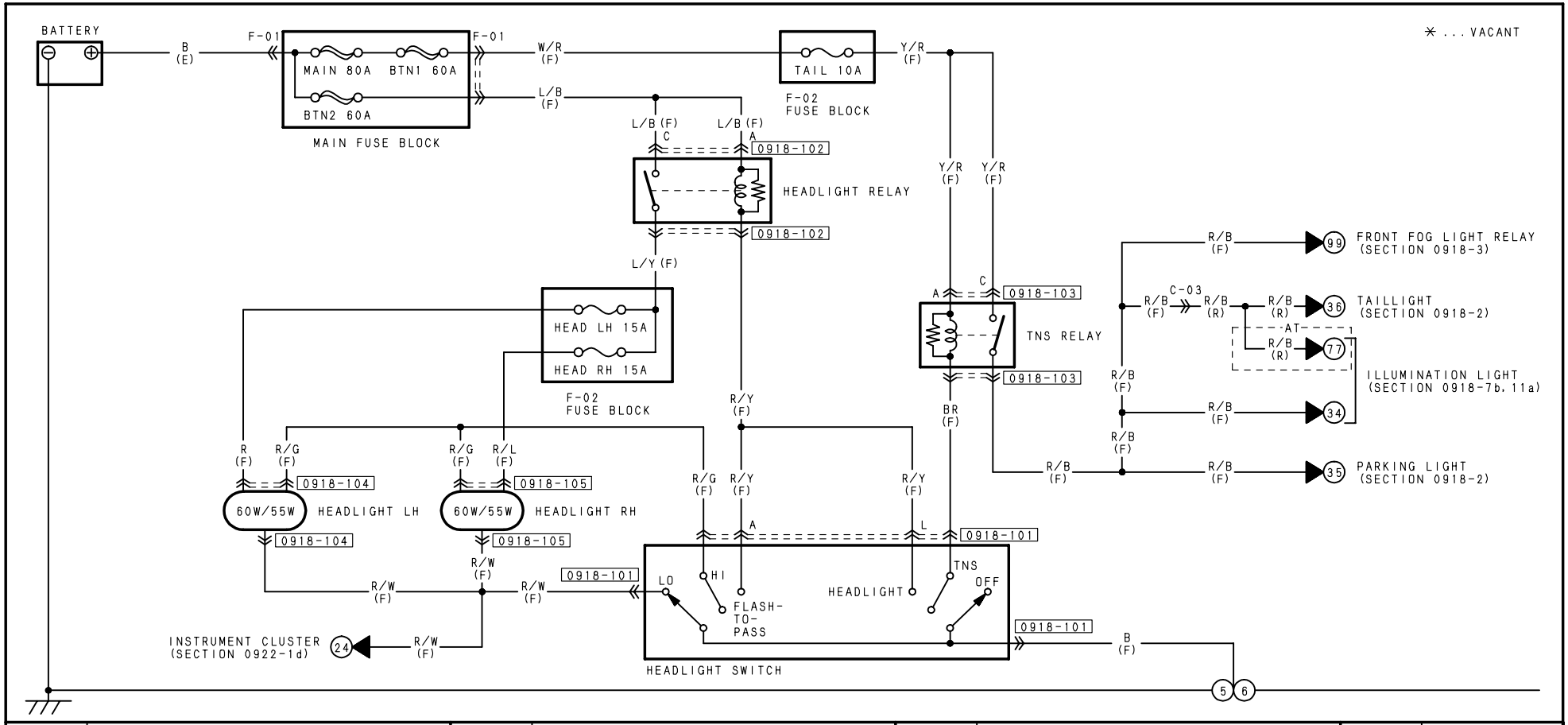


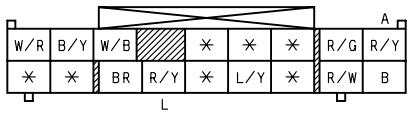
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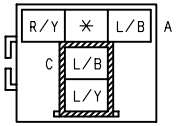
HARNESS SYMBOL: (F) (E) (R)

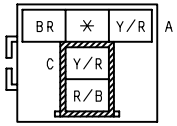


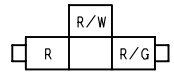
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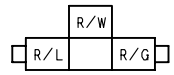






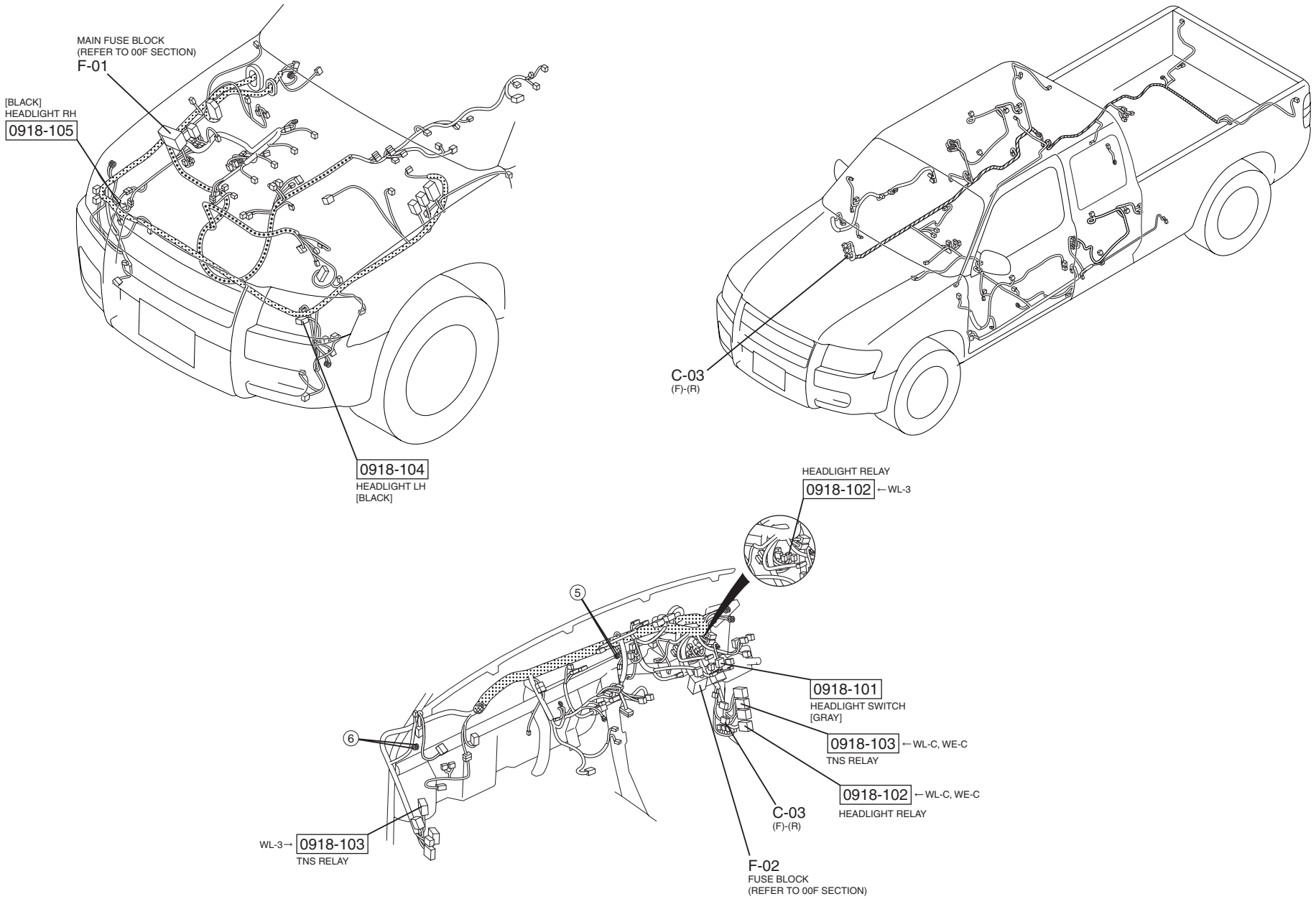






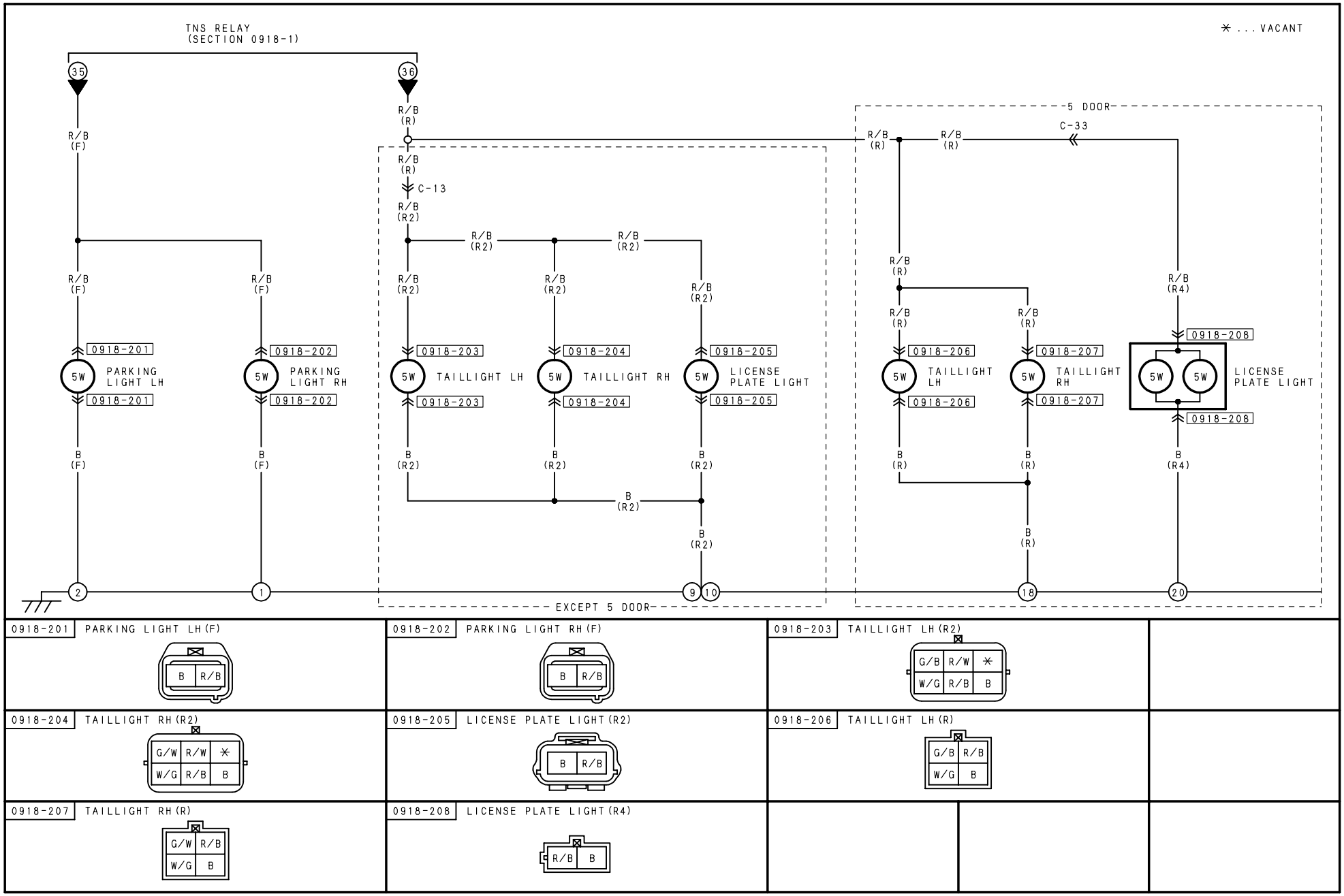
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HARNESS SYMBOL: (F) (E) (R)



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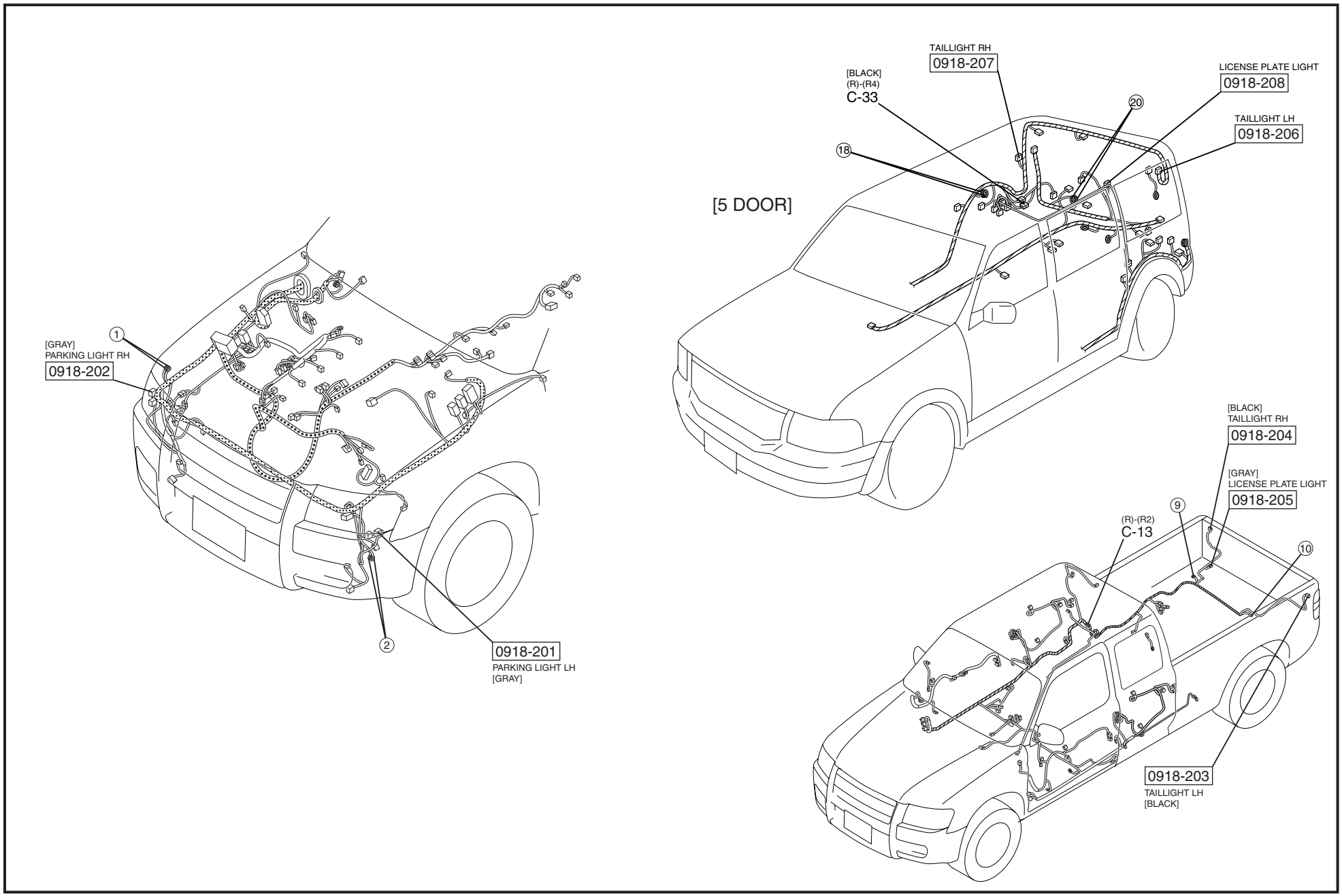
LICENSE PLATE LIGHT / PARKING LIGHT / TAILLIGHT



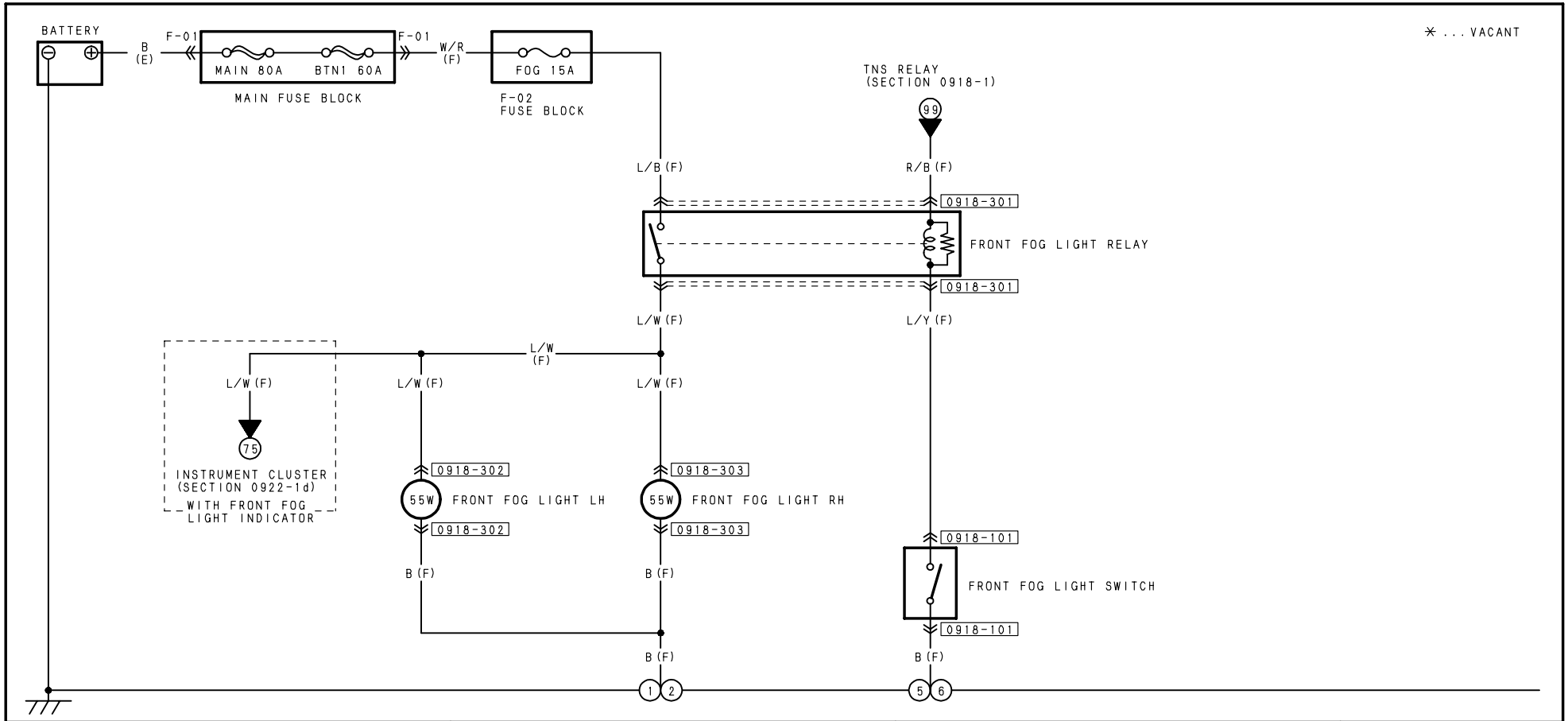
0918-201 PARKING LIGHT LH (F)	0918-202 PARKING LIGHT RH (F)	0918-203 TAILLIGHT LH (R2)
0918-204 TAILLIGHT RH (R2)	0918-205 LICENSE PLATE LIGHT (R2)	0918-206 TAILLIGHT LH (R)
0918-207 TAILLIGHT RH (R)	0918-208 LICENSE PLATE LIGHT (R4)	

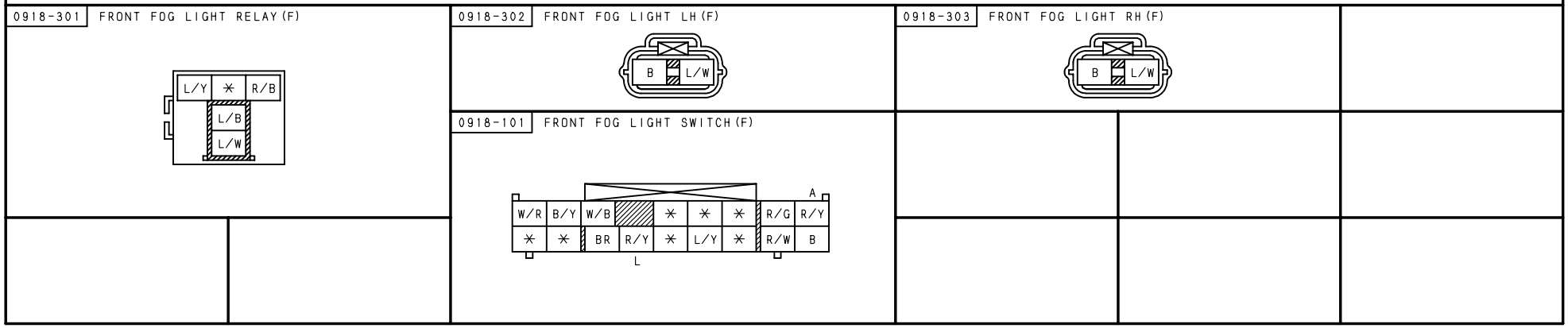
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HARNESS SYMBOL: (F) (E) (R)



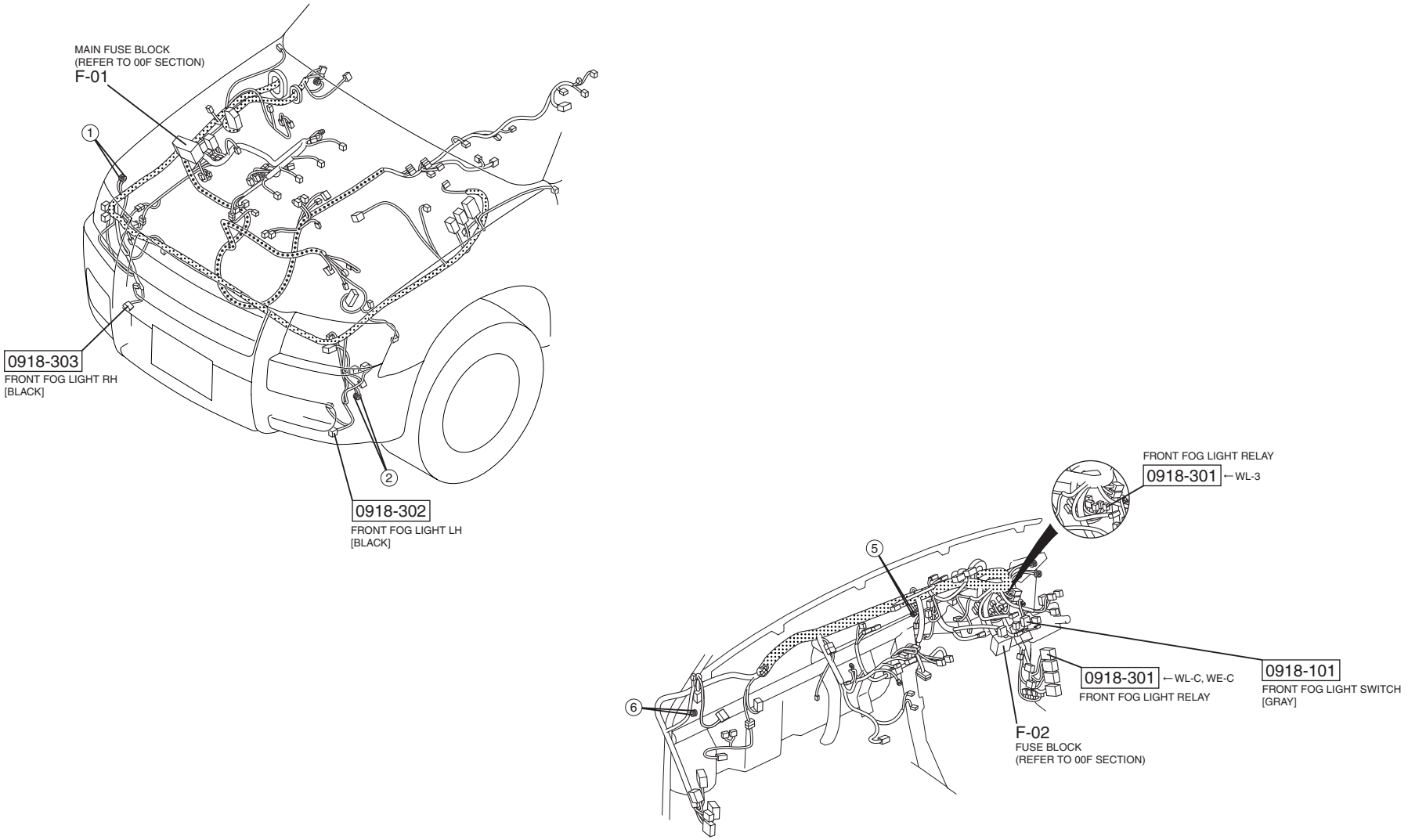
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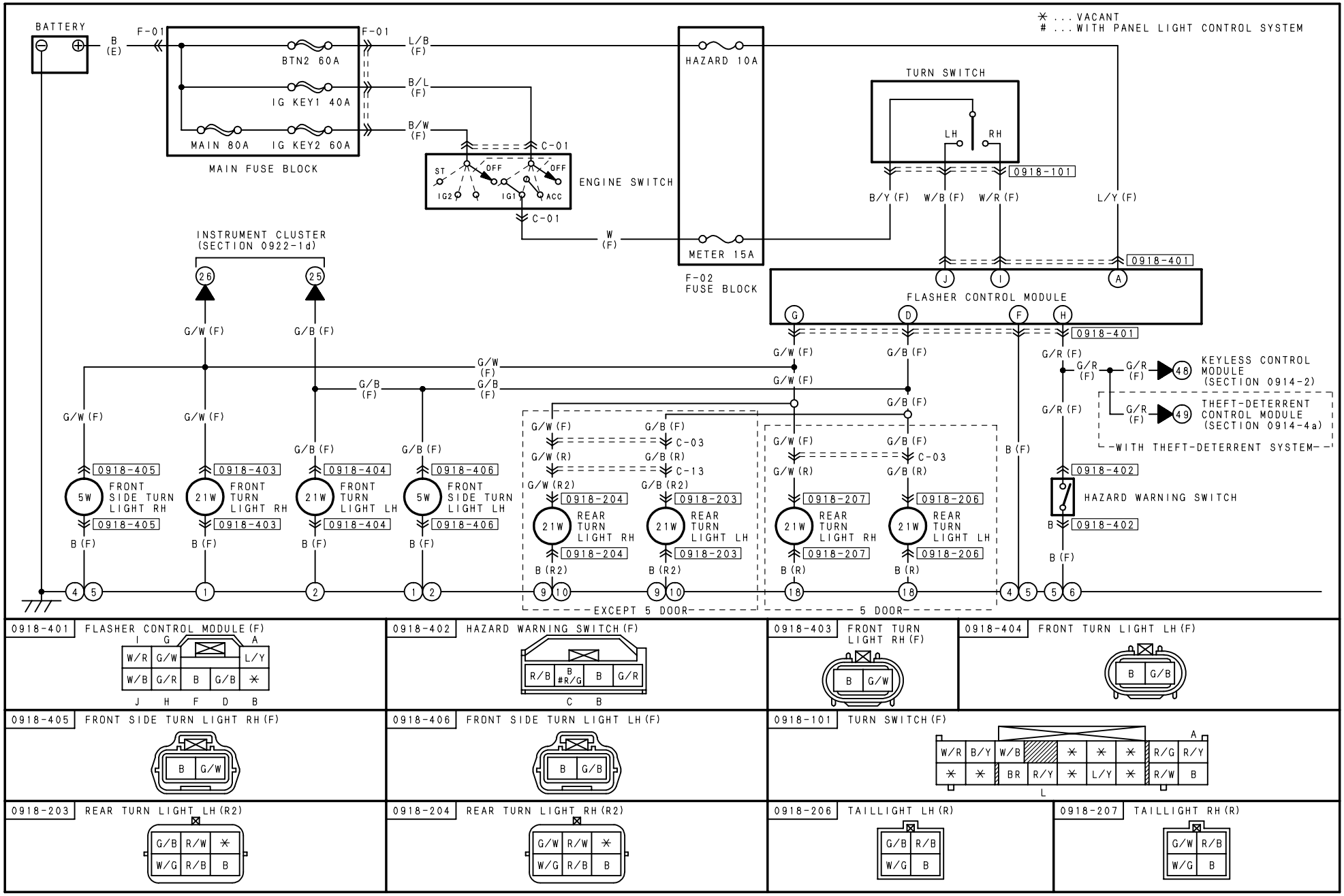


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HARNESS SYMBOL: (F) (E) (R)

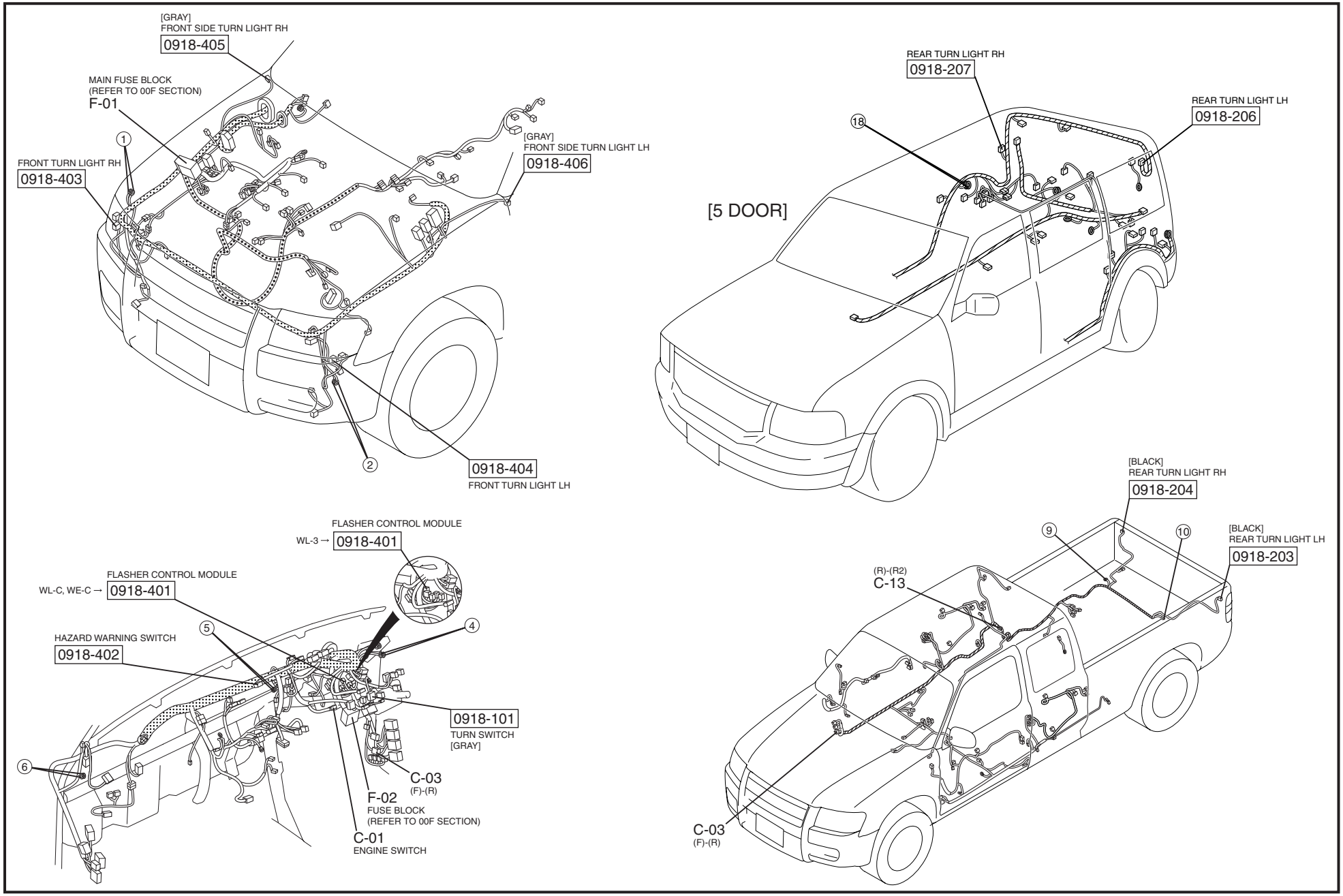


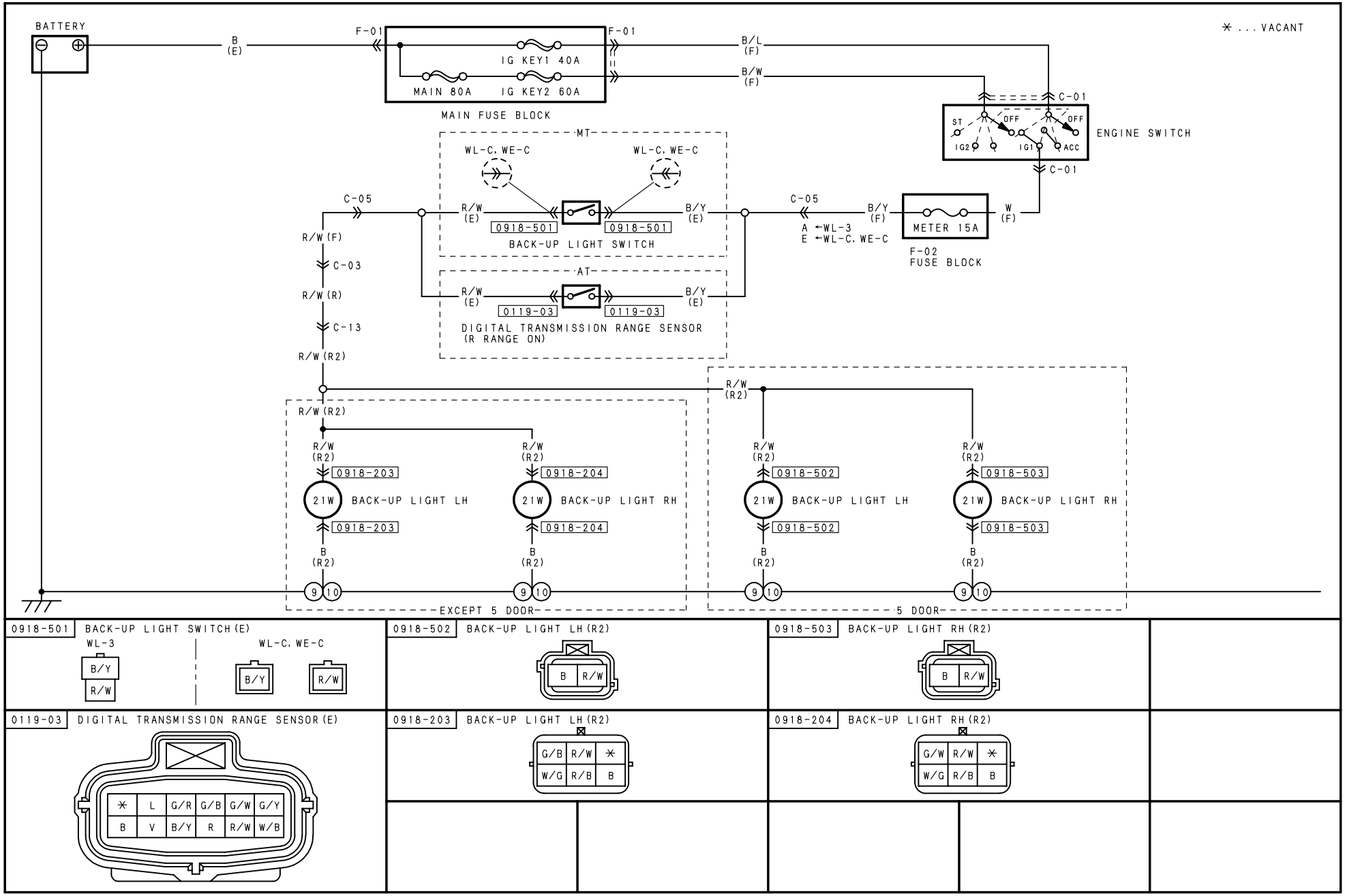
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HARNESS SYMBOL: (F) (E) (R)





0918-501 BACK-UP LIGHT SWITCH (E)

0918-502 BACK-UP LIGHT LH (R2)

0918-503 BACK-UP LIGHT RH (R2)

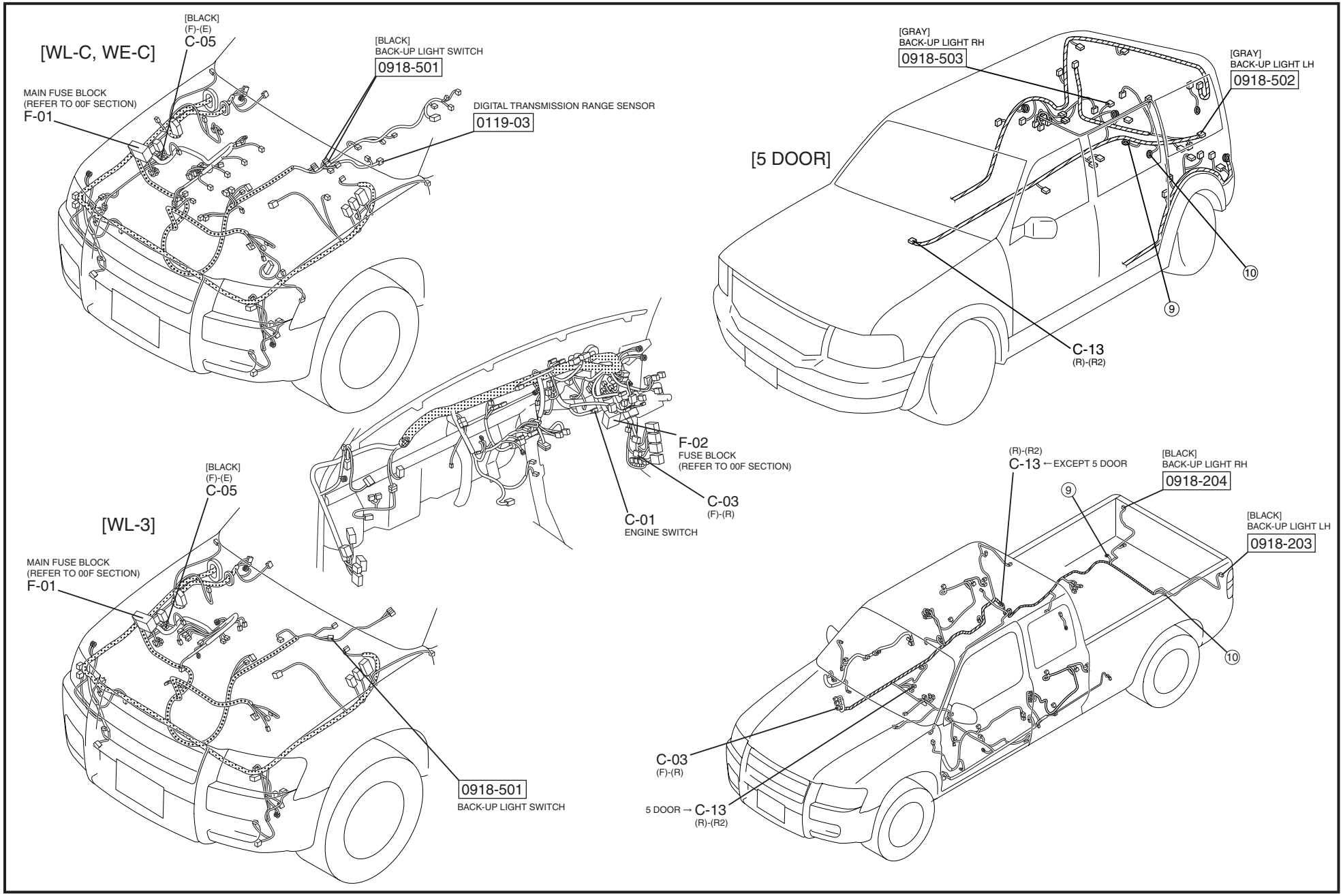
0119-03 DIGITAL TRANSMISSION RANGE SENSOR (E)

0918-203 BACK-UP LIGHT LH (R2)

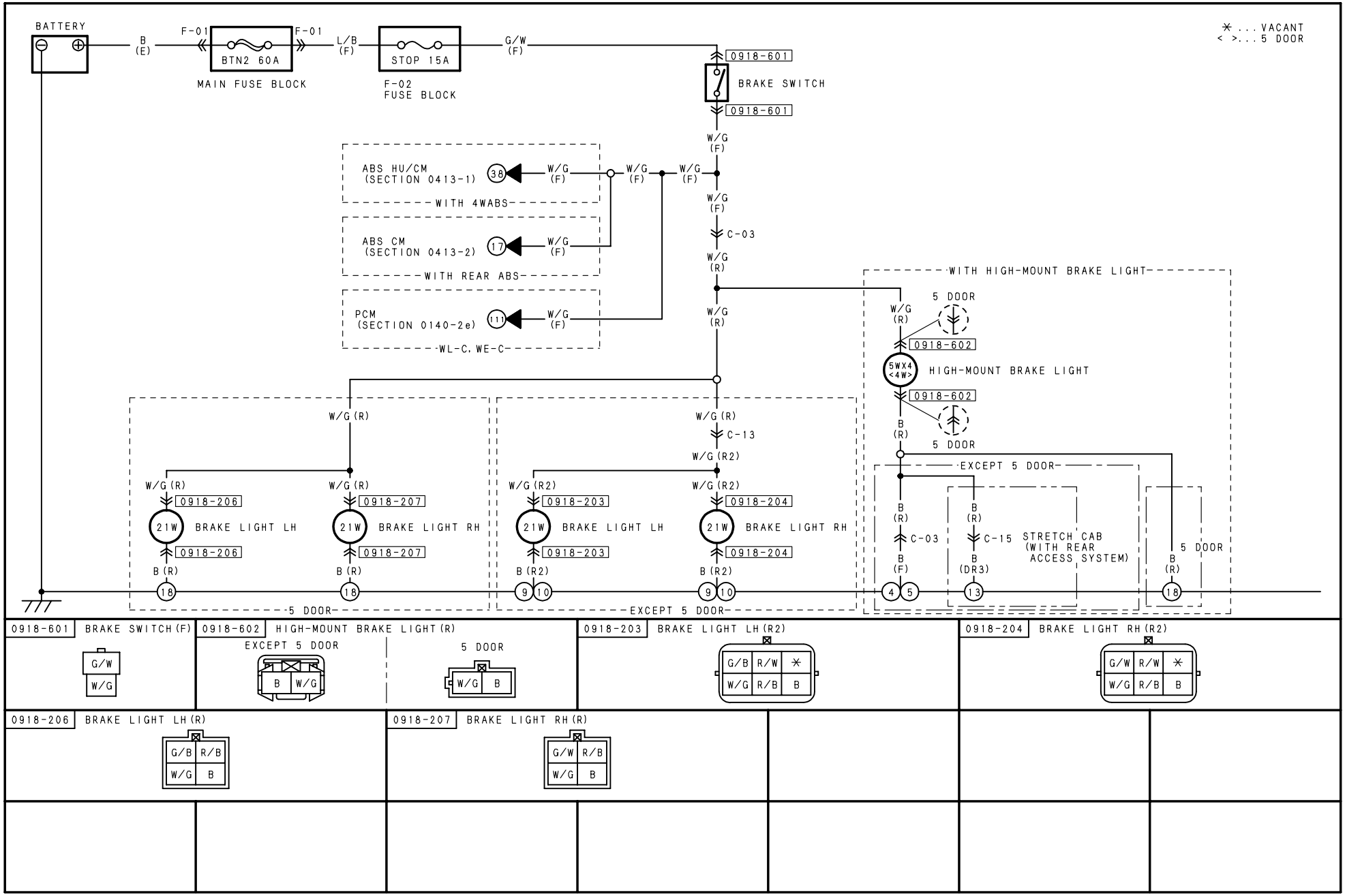
0918-204 BACK-UP LIGHT RH (R2)

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HARNESS SYMBOL: (F) (E) (R)



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0918-601 BRAKE SWITCH (F)

0918-602 HIGH-MOUNT BRAKE LIGHT (R)

EXCEPT 5 DOOR

5 DOOR

0918-203 BRAKE LIGHT LH (R2)

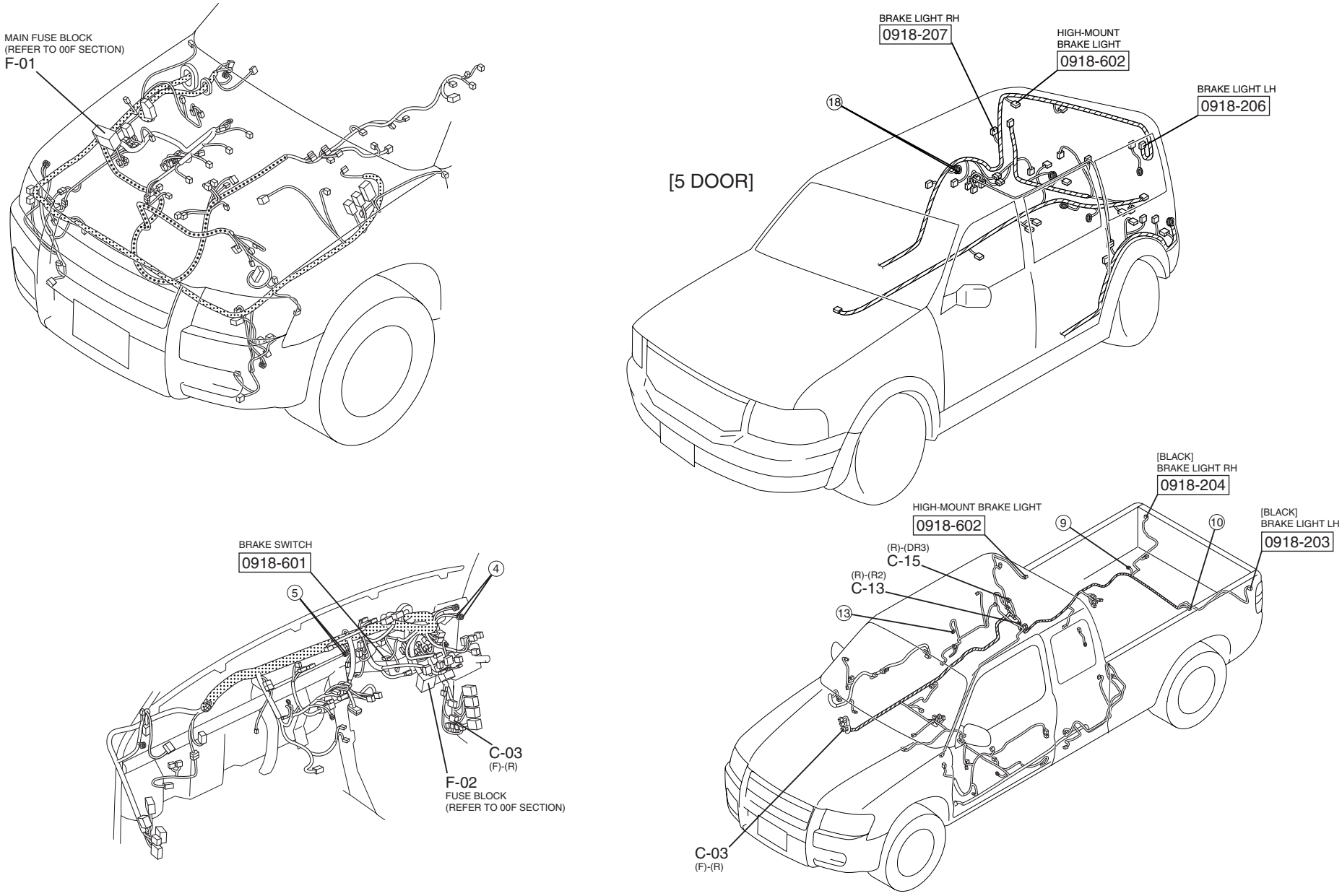
0918-204 BRAKE LIGHT RH (R2)

0918-206 BRAKE LIGHT LH (R)

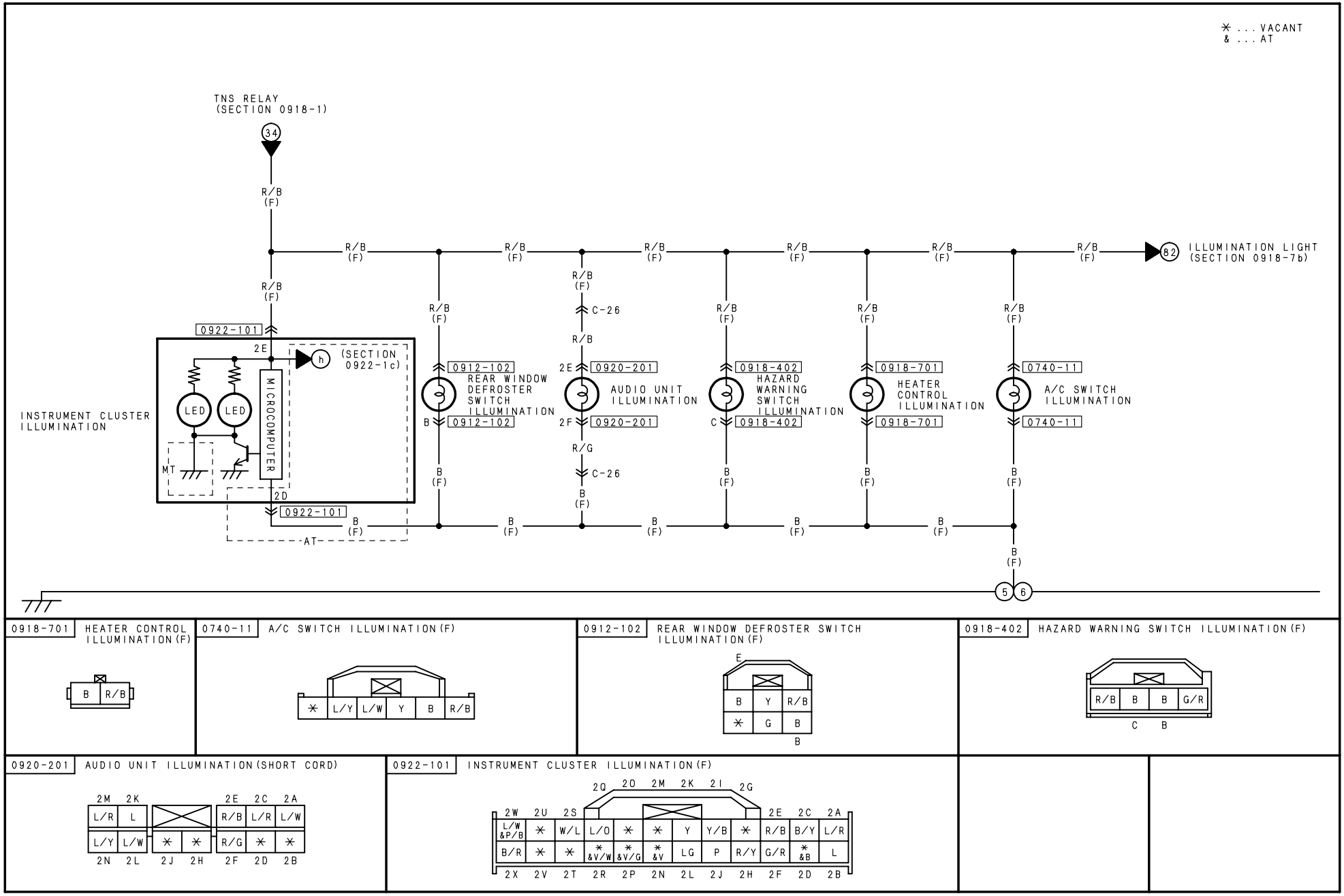
0918-207 BRAKE LIGHT RH (R)

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HARNESS SYMBOL: (F) (E) (R)



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0918-701 HEATER CONTROL ILLUMINATION (F)

0740-11 A/C SWITCH ILLUMINATION (F)

0912-102 REAR WINDOW DEFROSTER SWITCH ILLUMINATION (F)

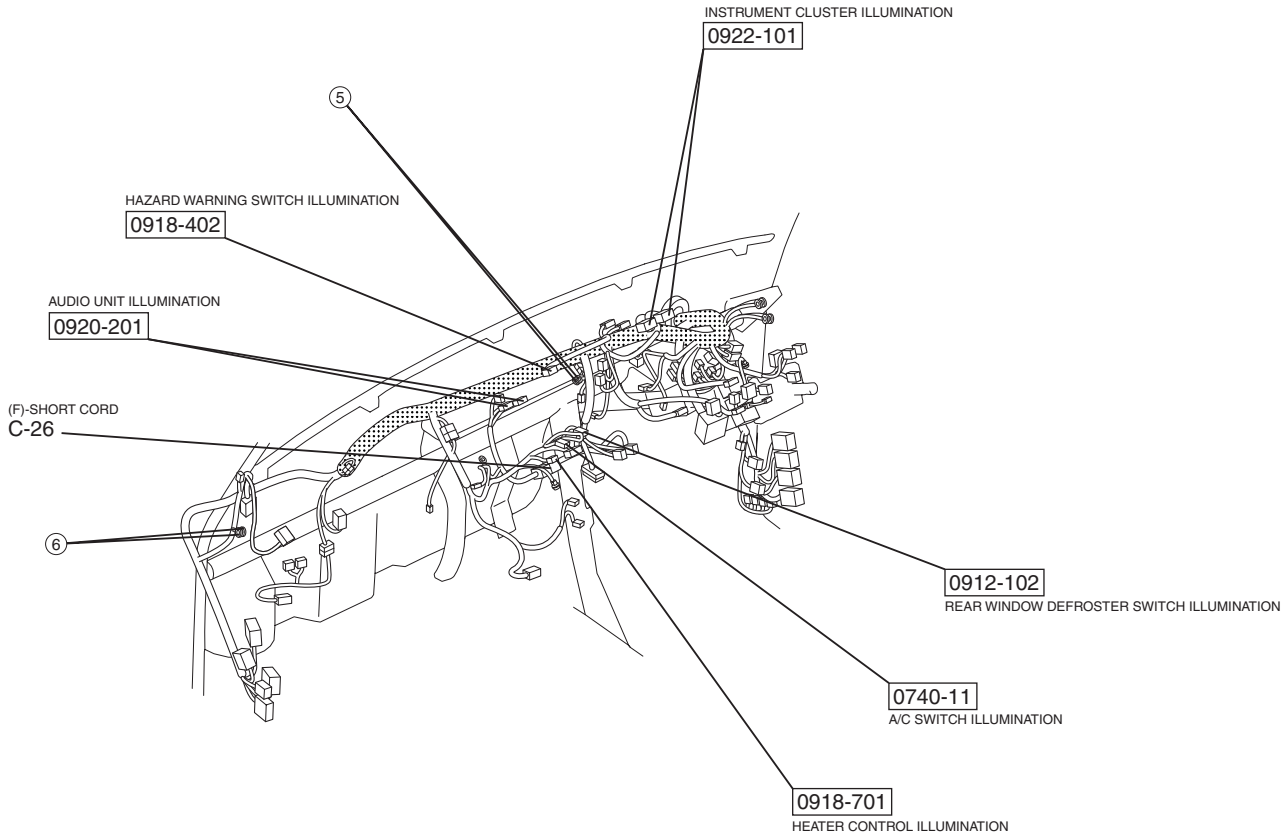
0918-402 HAZARD WARNING SWITCH ILLUMINATION (F)

0920-201 AUDIO UNIT ILLUMINATION (SHORT CORD)

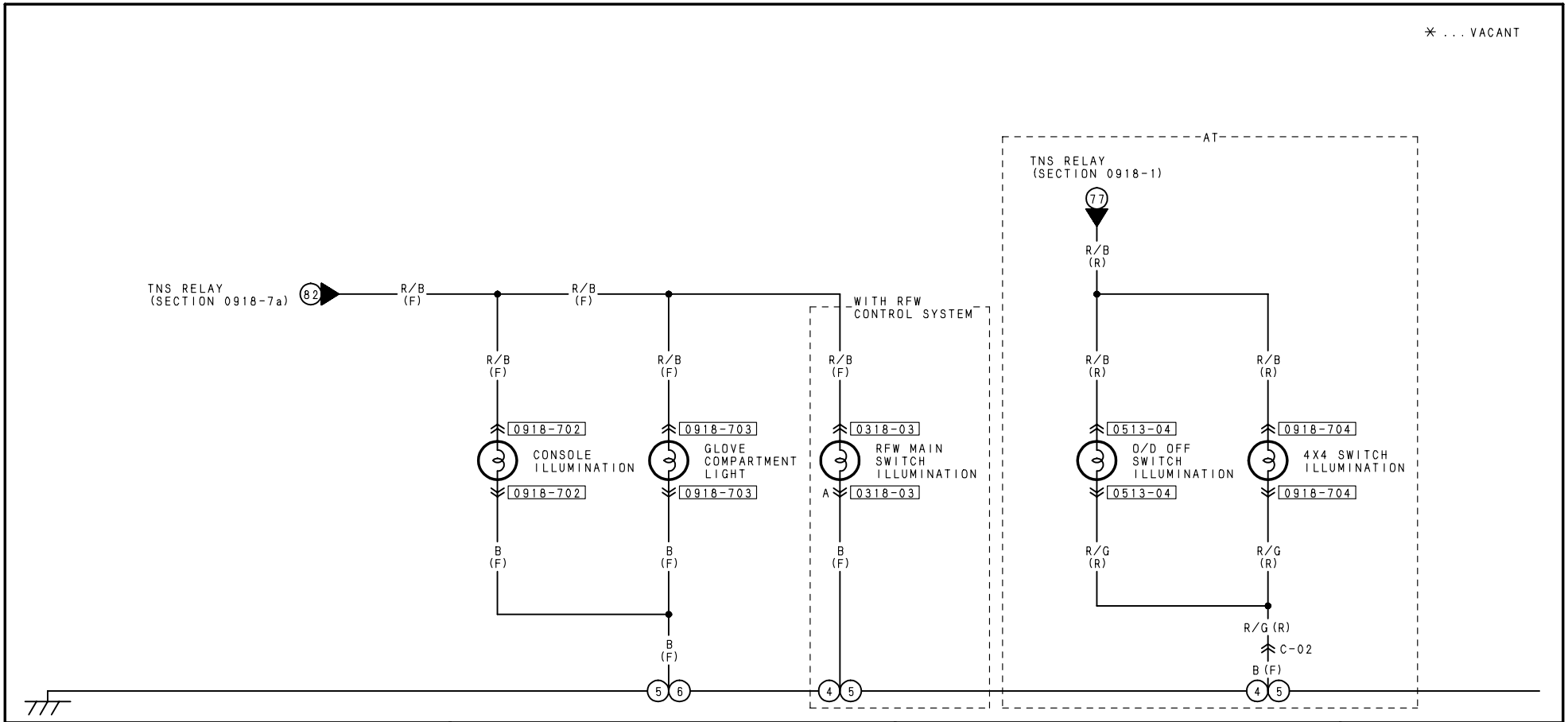
0922-101 INSTRUMENT CLUSTER ILLUMINATION (F)

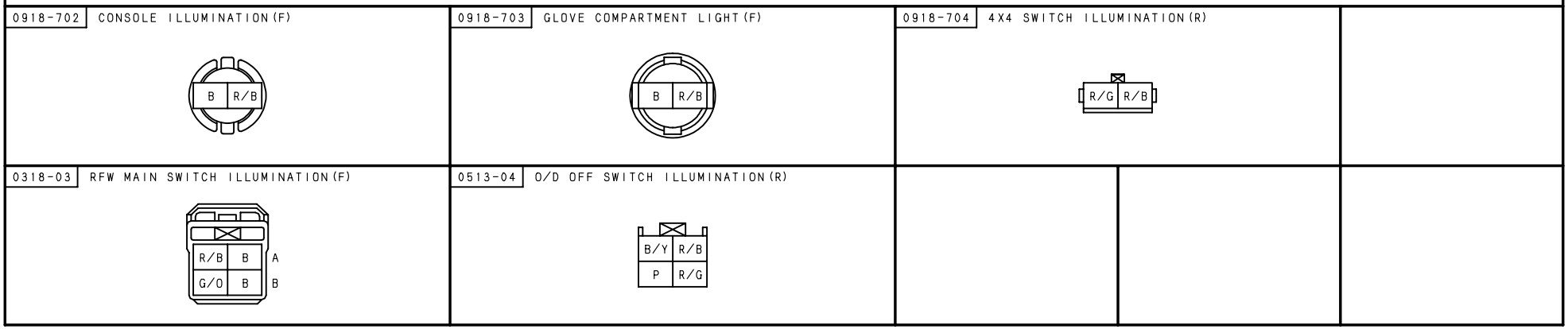
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HARNESS SYMBOL: (F) (E) (R)



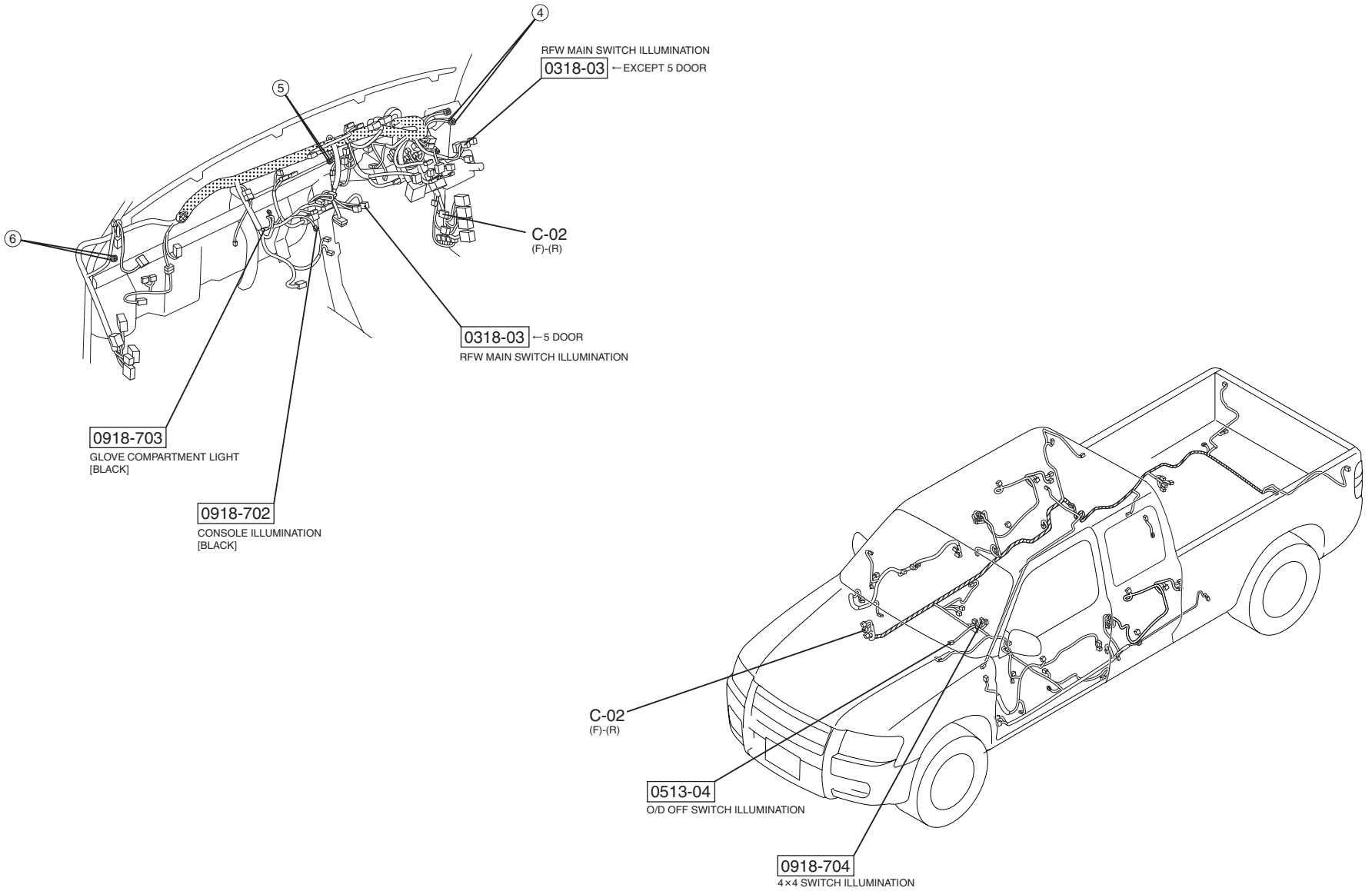
www.truck-freeworkshop.com



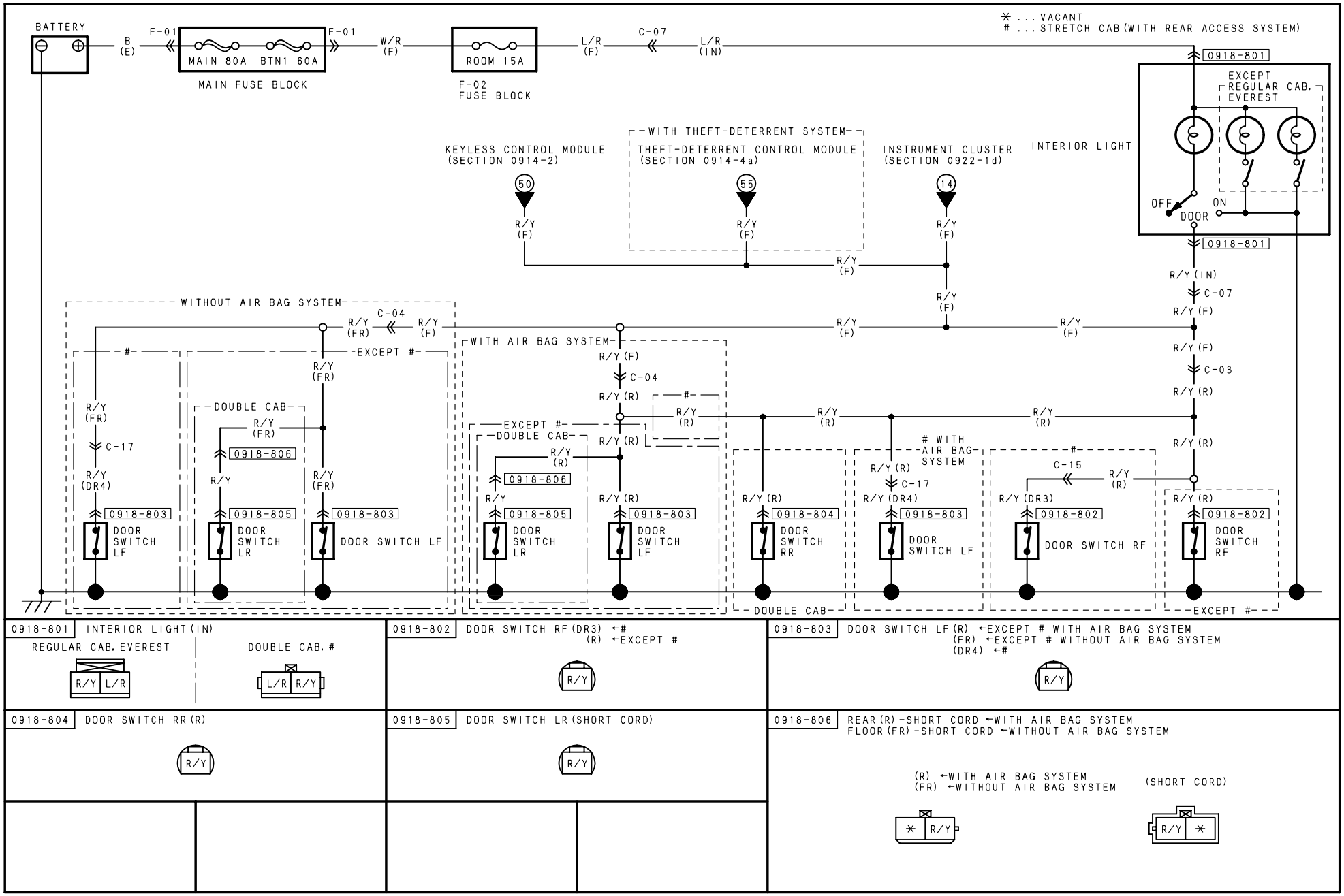


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HARNESS SYMBOL: (F) (E) (R)

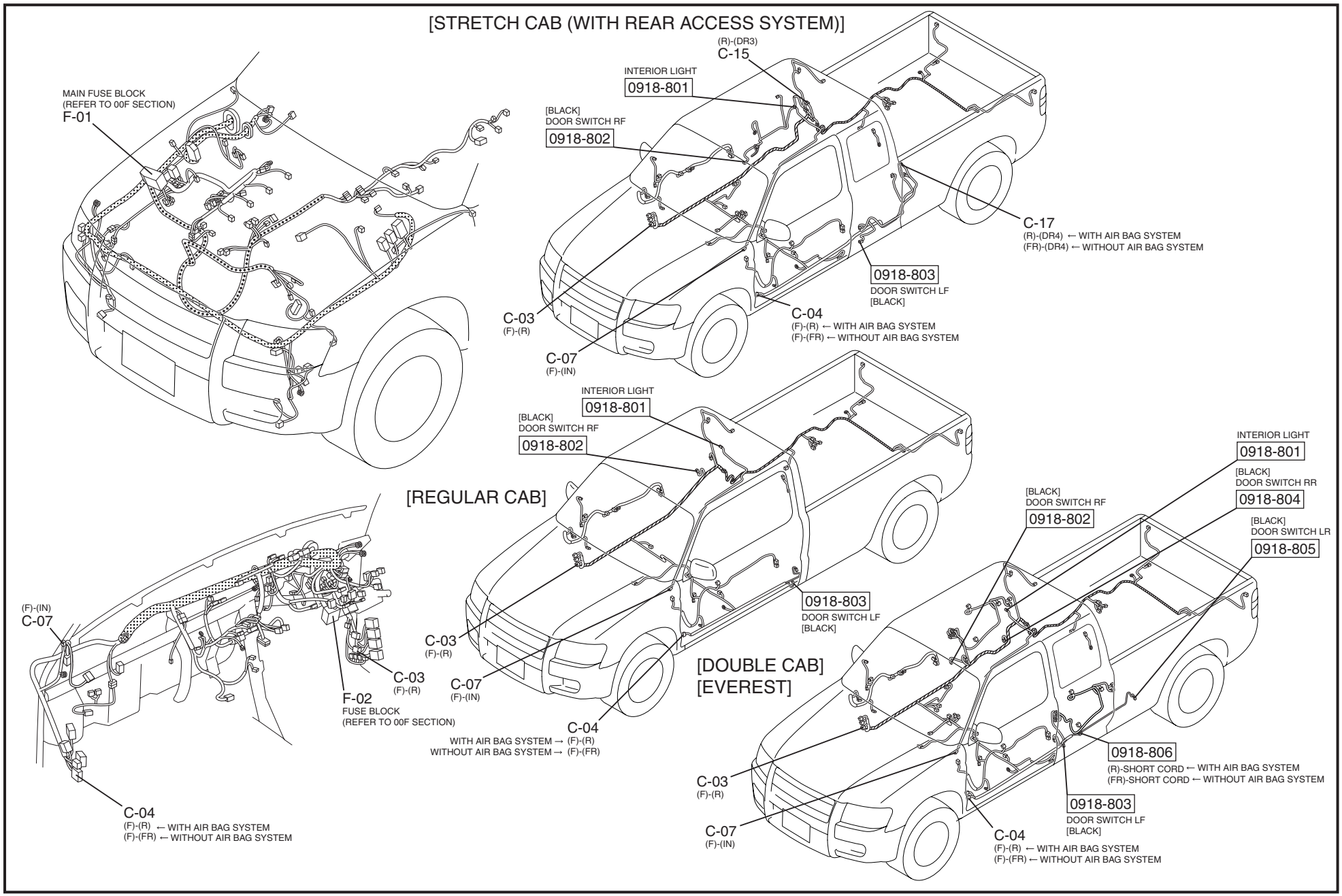


INTERIOR LIGHT (EXCEPT 5 DOOR)



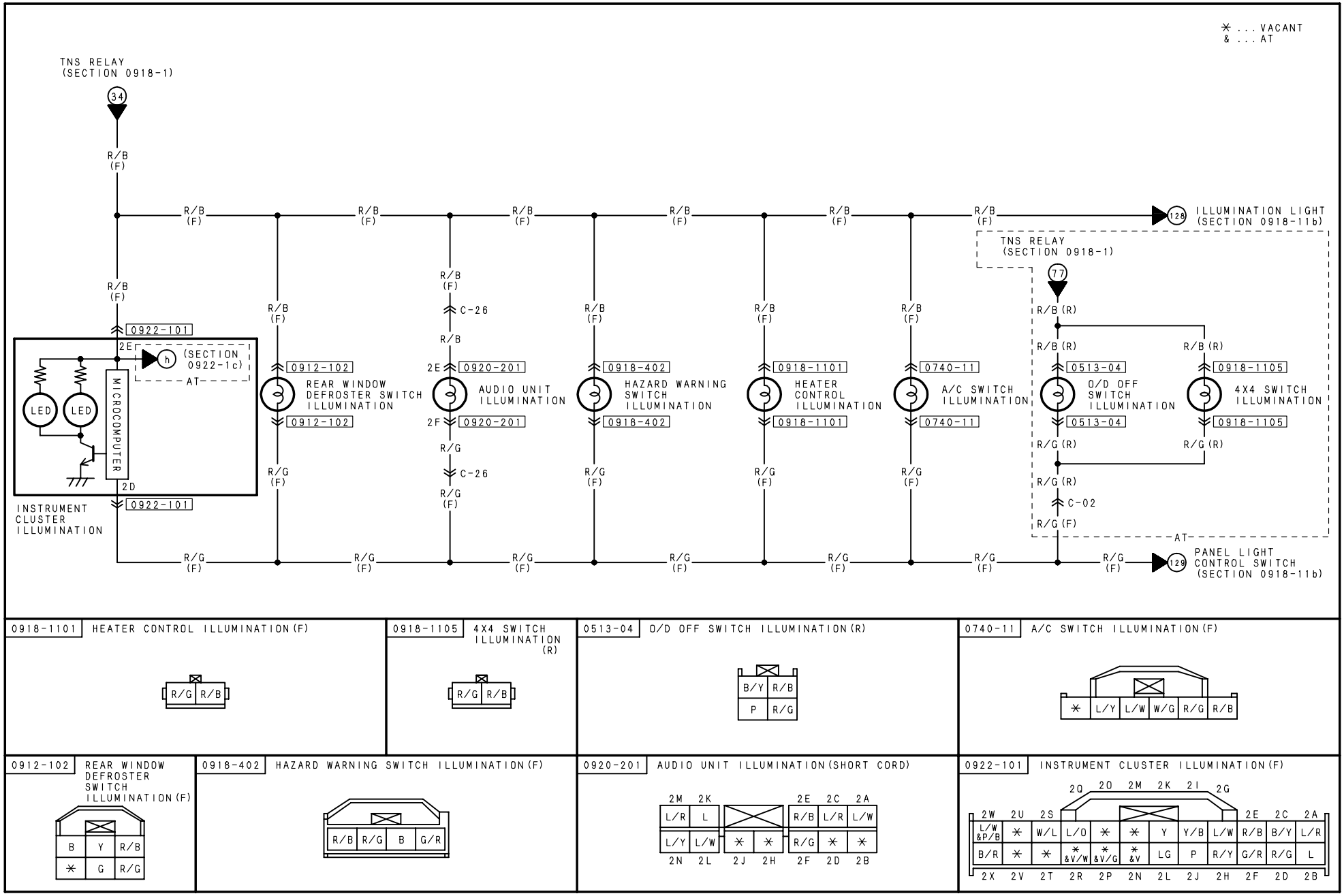
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HARNESS SYMBOL: (F) (E) (R)



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ILLUMINATION LIGHT (WITH PANEL LIGHT CONTROL SYSTEM)



0918-1101 HEATER CONTROL ILLUMINATION (F)

0918-1105 4X4 SWITCH ILLUMINATION (R)

0513-04 O/D OFF SWITCH ILLUMINATION (R)

0740-11 A/C SWITCH ILLUMINATION (F)

0912-102 REAR WINDOW DEFROSTER SWITCH ILLUMINATION (F)

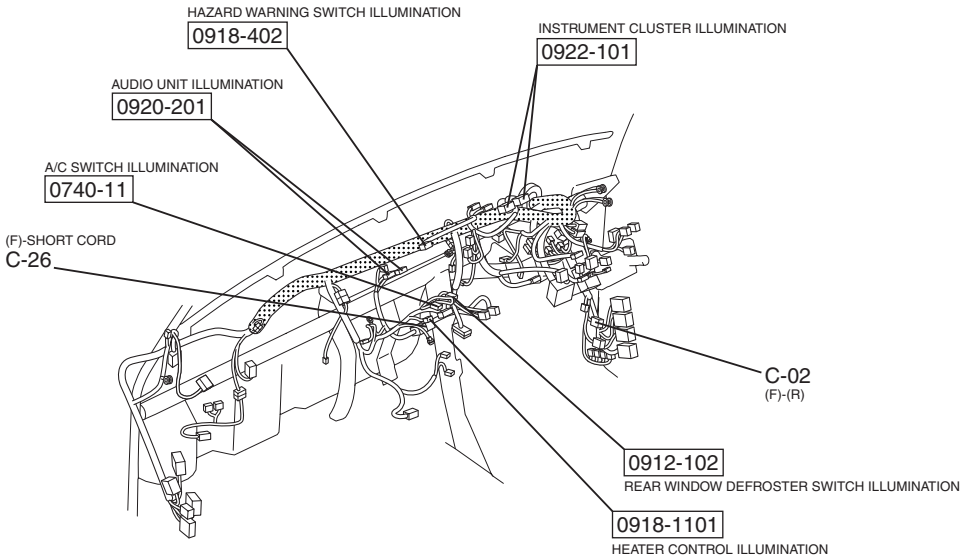
0918-402 HAZARD WARNING SWITCH ILLUMINATION (F)

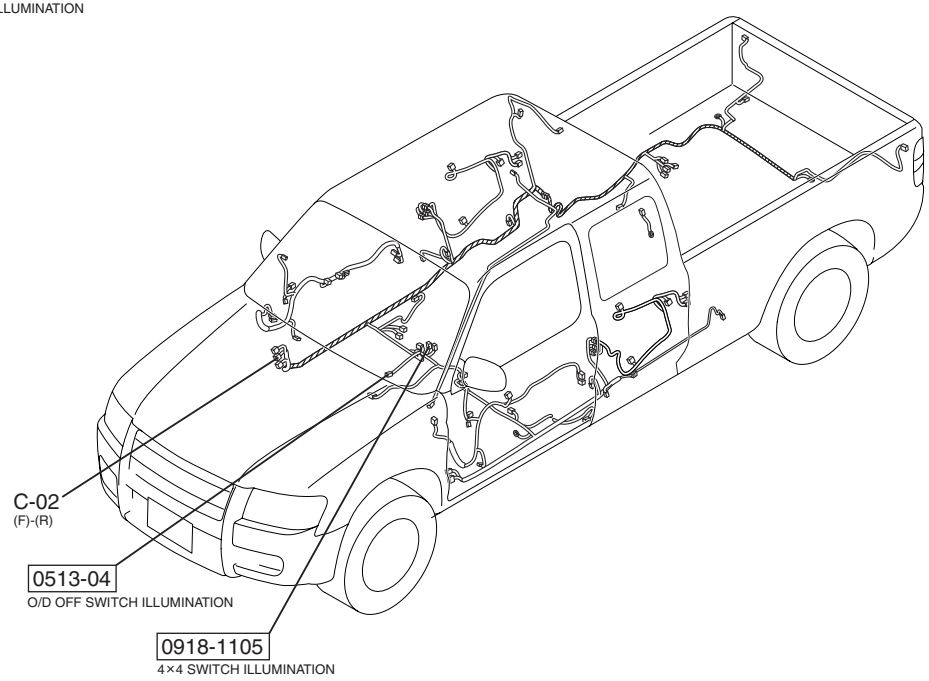
0920-201 AUDIO UNIT ILLUMINATION (SHORT CORD)

0922-101 INSTRUMENT CLUSTER ILLUMINATION (F)

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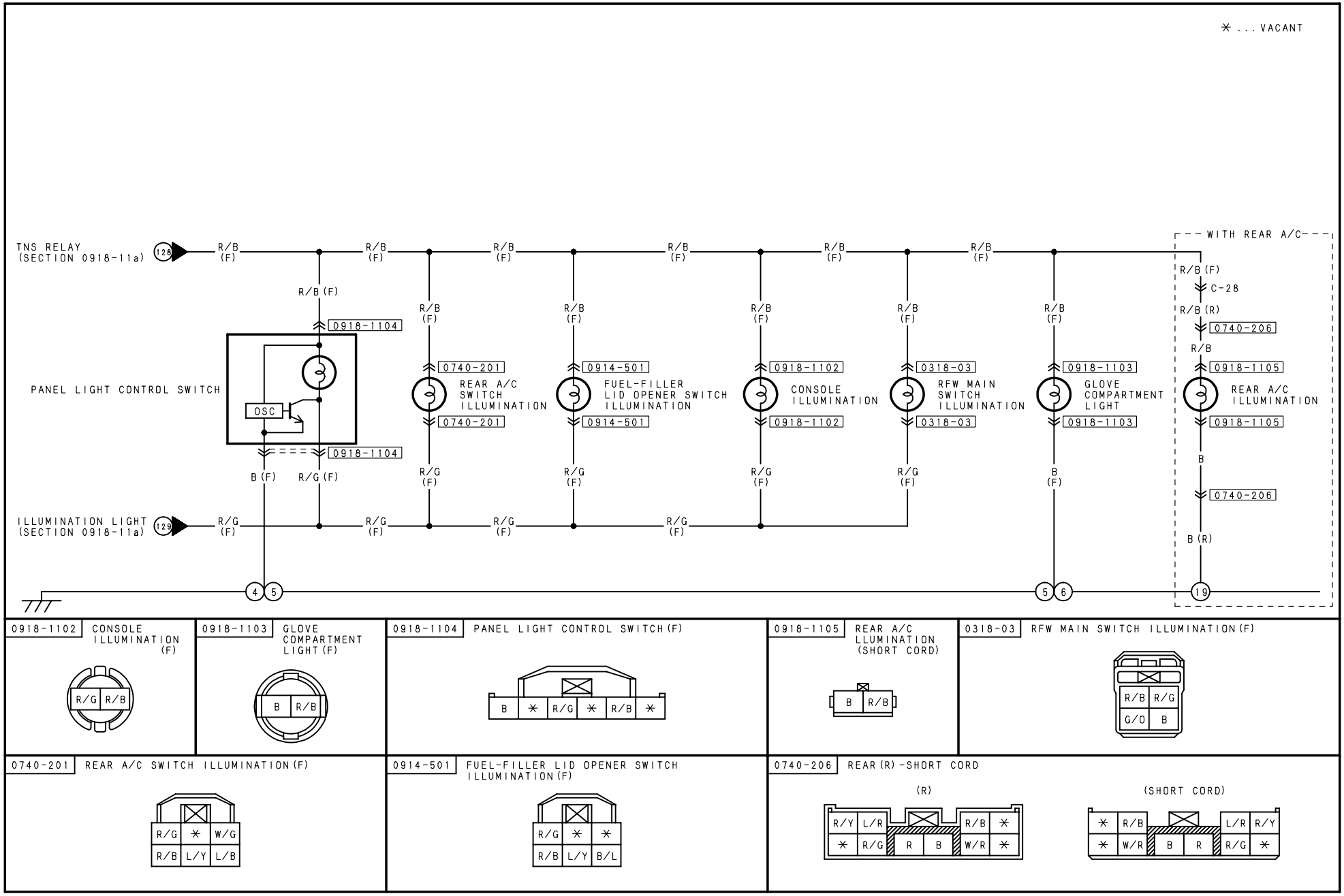
HARNESS SYMBOL: (F) (E) (R)



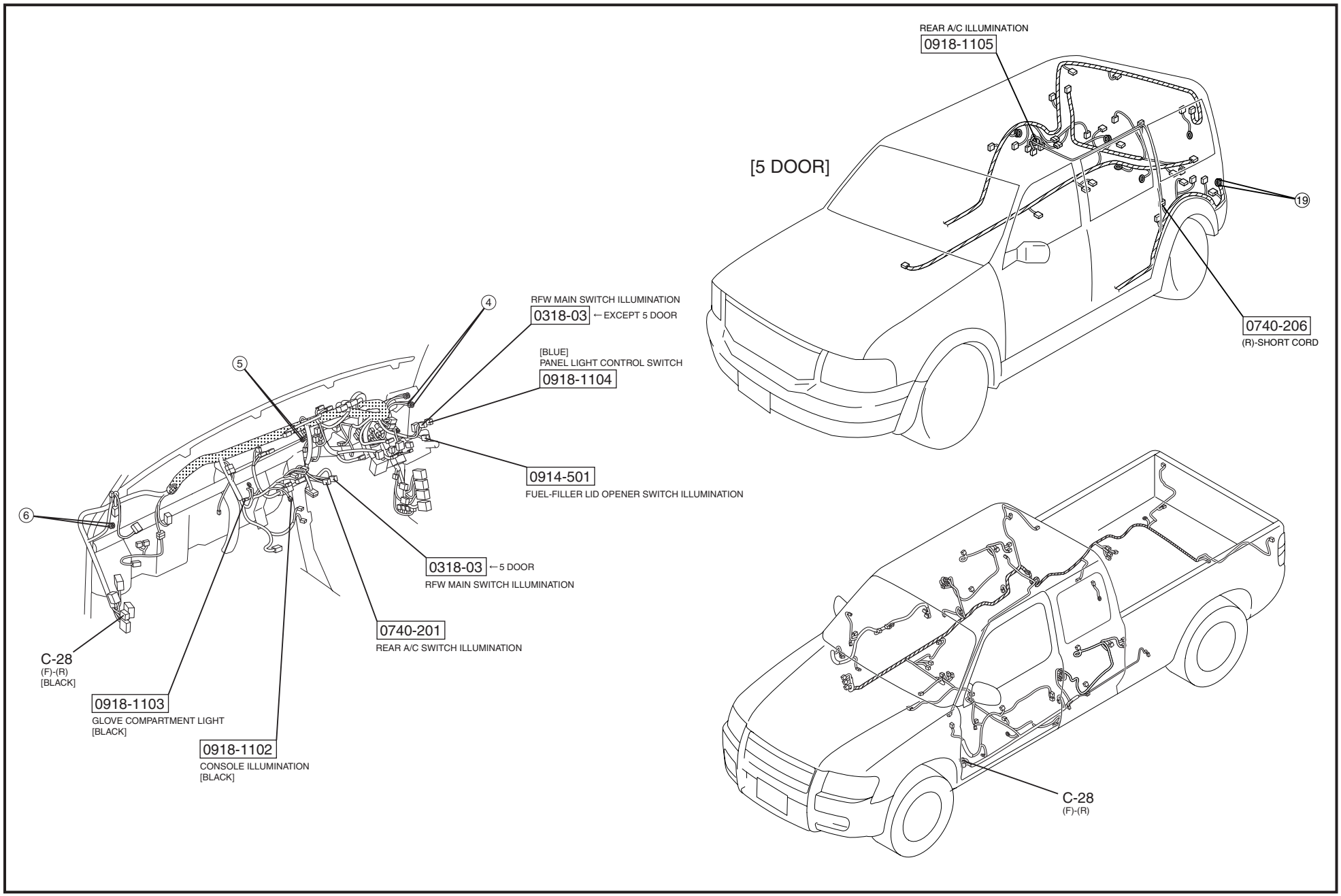


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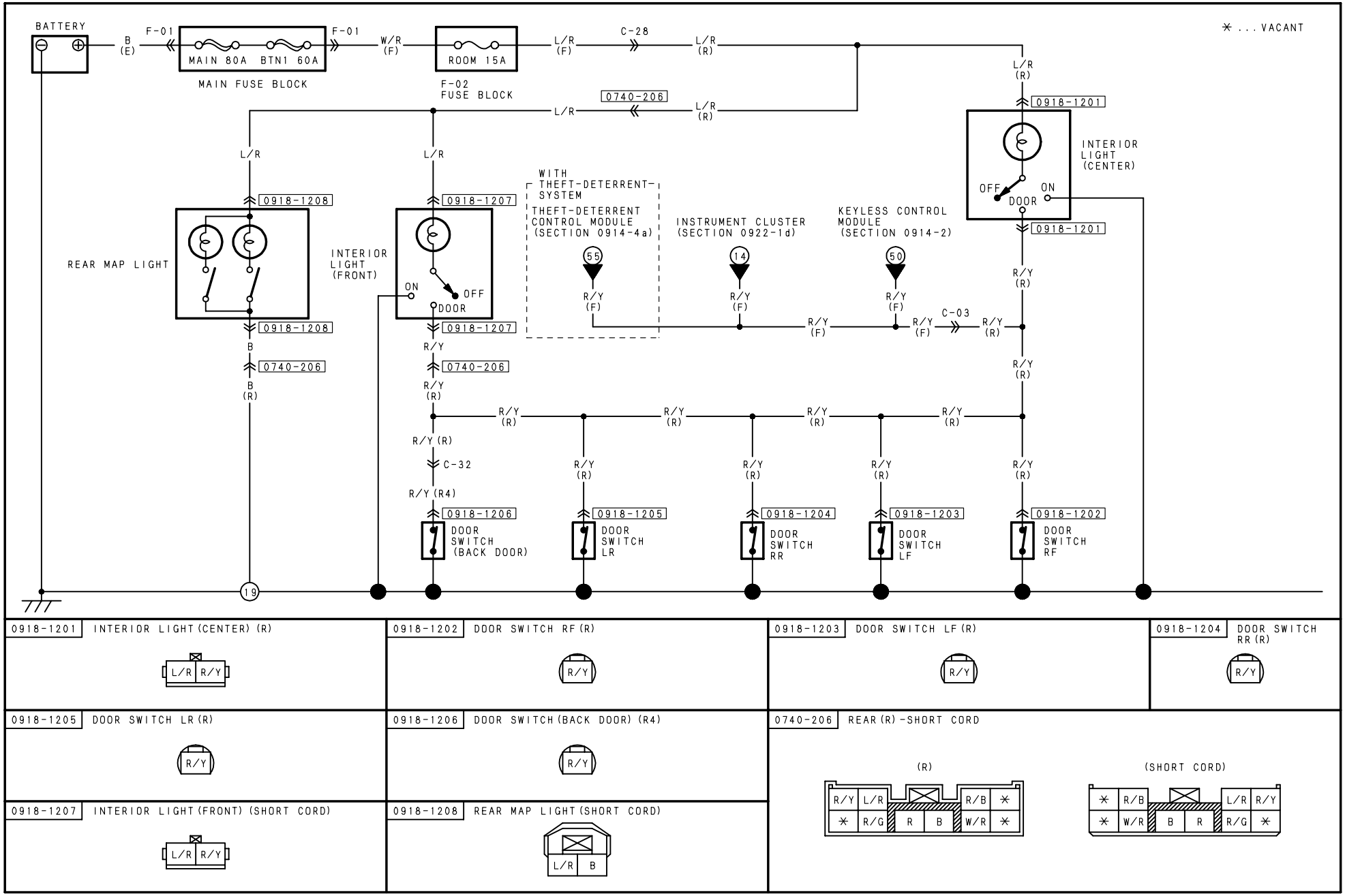
ILLUMINATION LIGHT (WITH PANEL LIGHT CONTROL SYSTEM)



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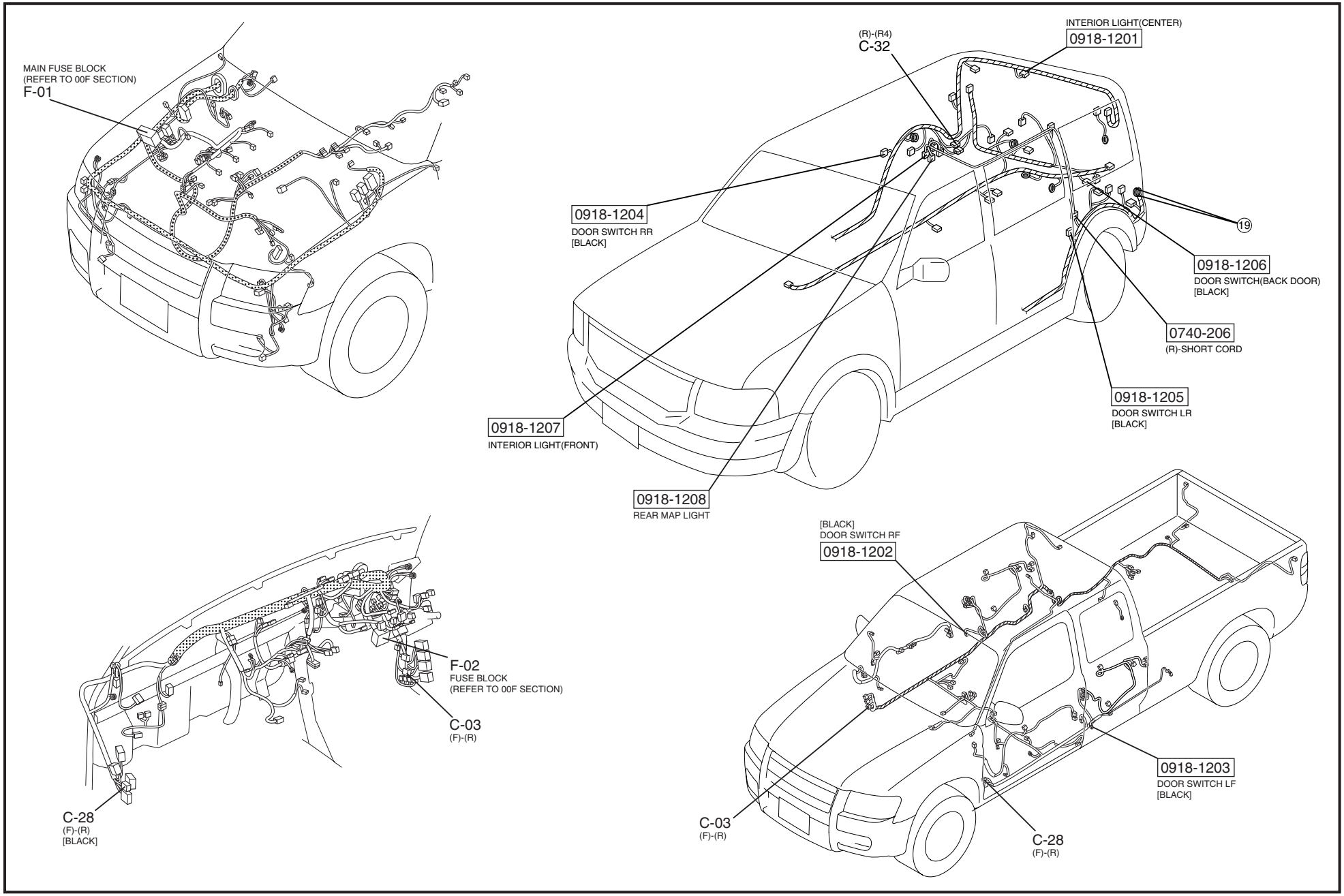
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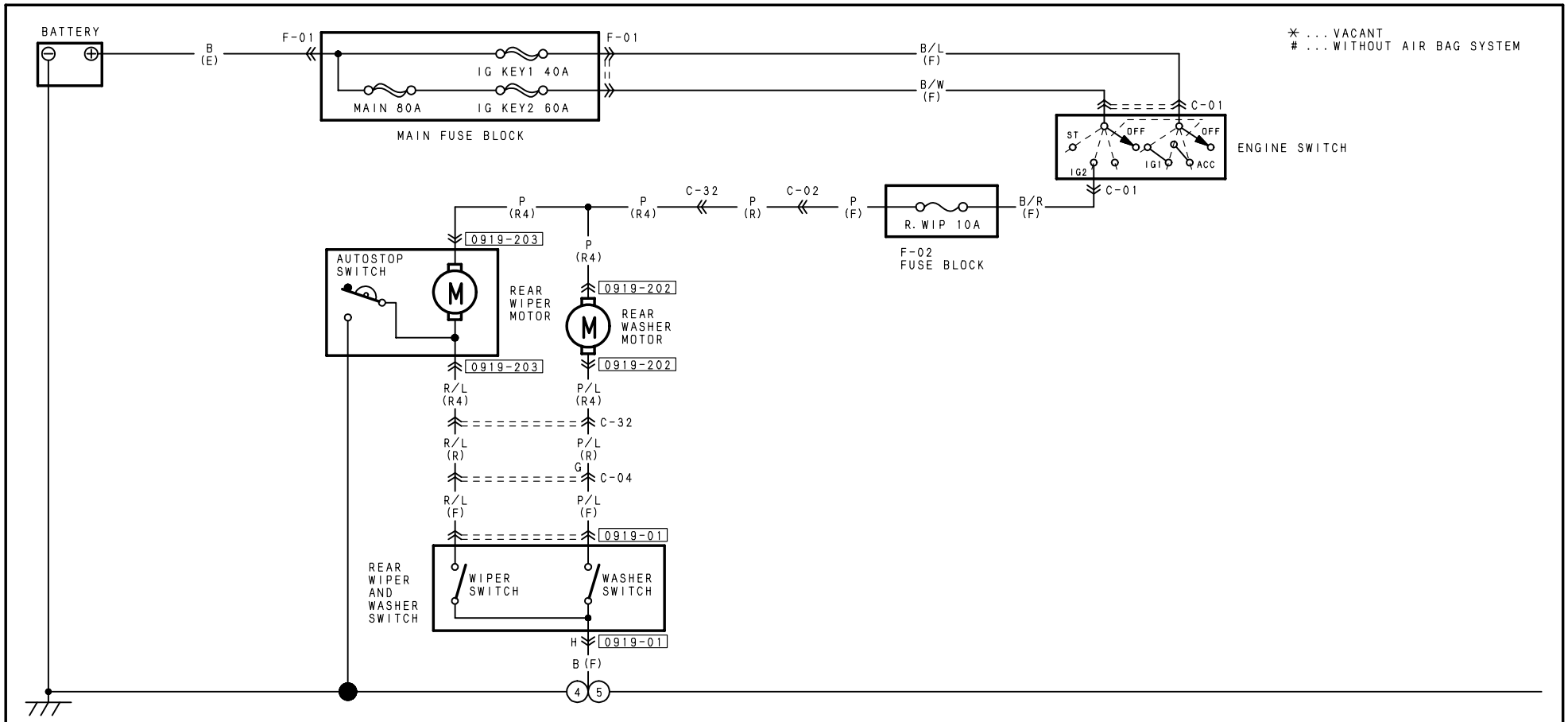
0918-1201 INTERIOR LIGHT (CENTER) (R)	0918-1202 DOOR SWITCH RF (R)	0918-1203 DOOR SWITCH LF (R)	0918-1204 DOOR SWITCH RR (R)
0918-1205 DOOR SWITCH LR (R)	0918-1206 DOOR SWITCH (BACK DOOR) (R4)	0740-206 REAR (R) -SHORT CORD	
0918-1207 INTERIOR LIGHT (FRONT) (SHORT CORD)	0918-1208 REAR MAP LIGHT (SHORT CORD)		

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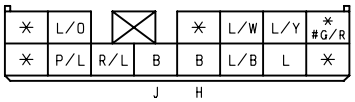
HARNESS SYMBOL: (F) (E) (R)



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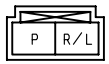
0919-01 REAR WIPER AND WASHER SWITCH (F)



0919-202 REAR WASHER MOTOR (R4)

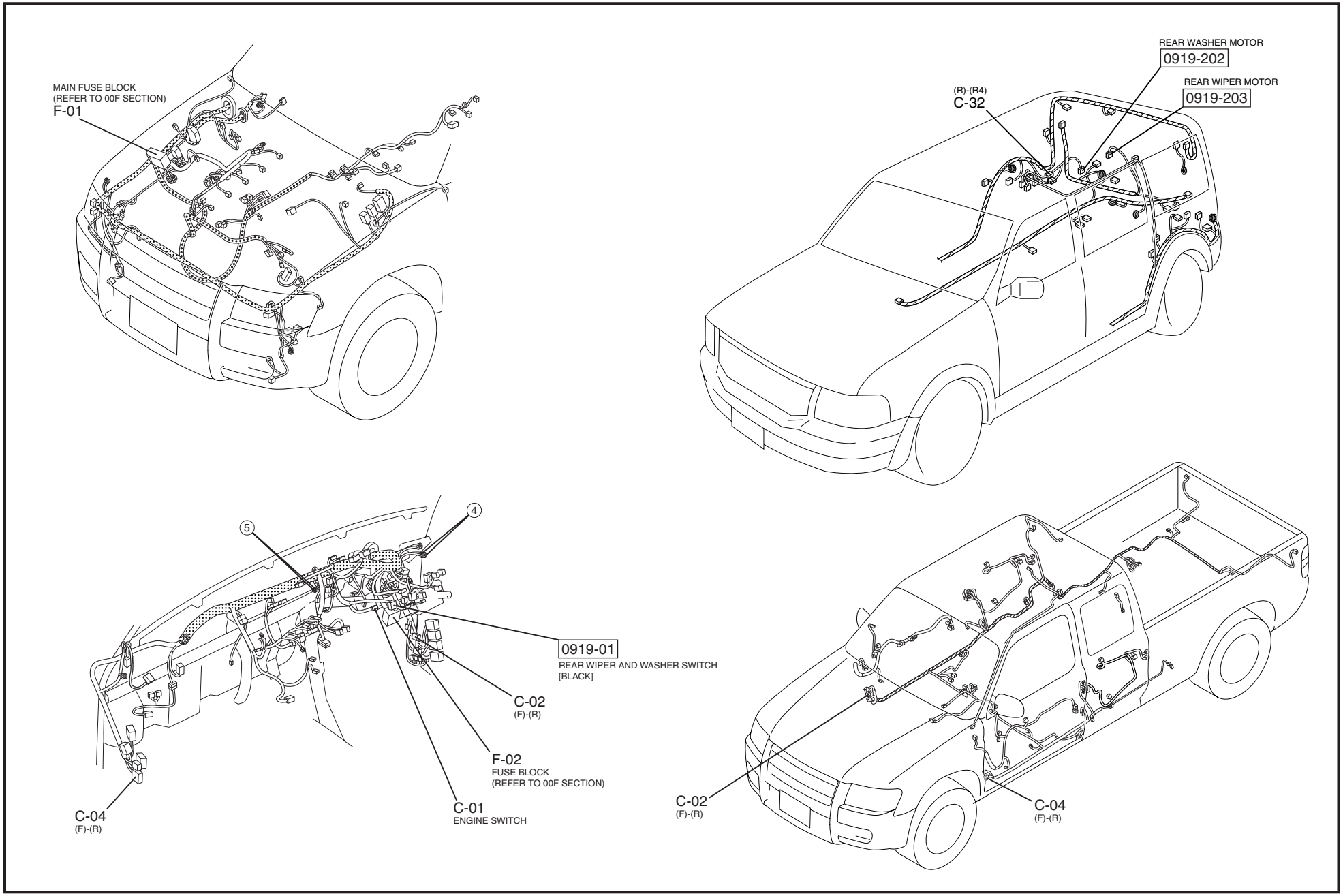


0919-203 REAR WIPER MOTOR (R4)



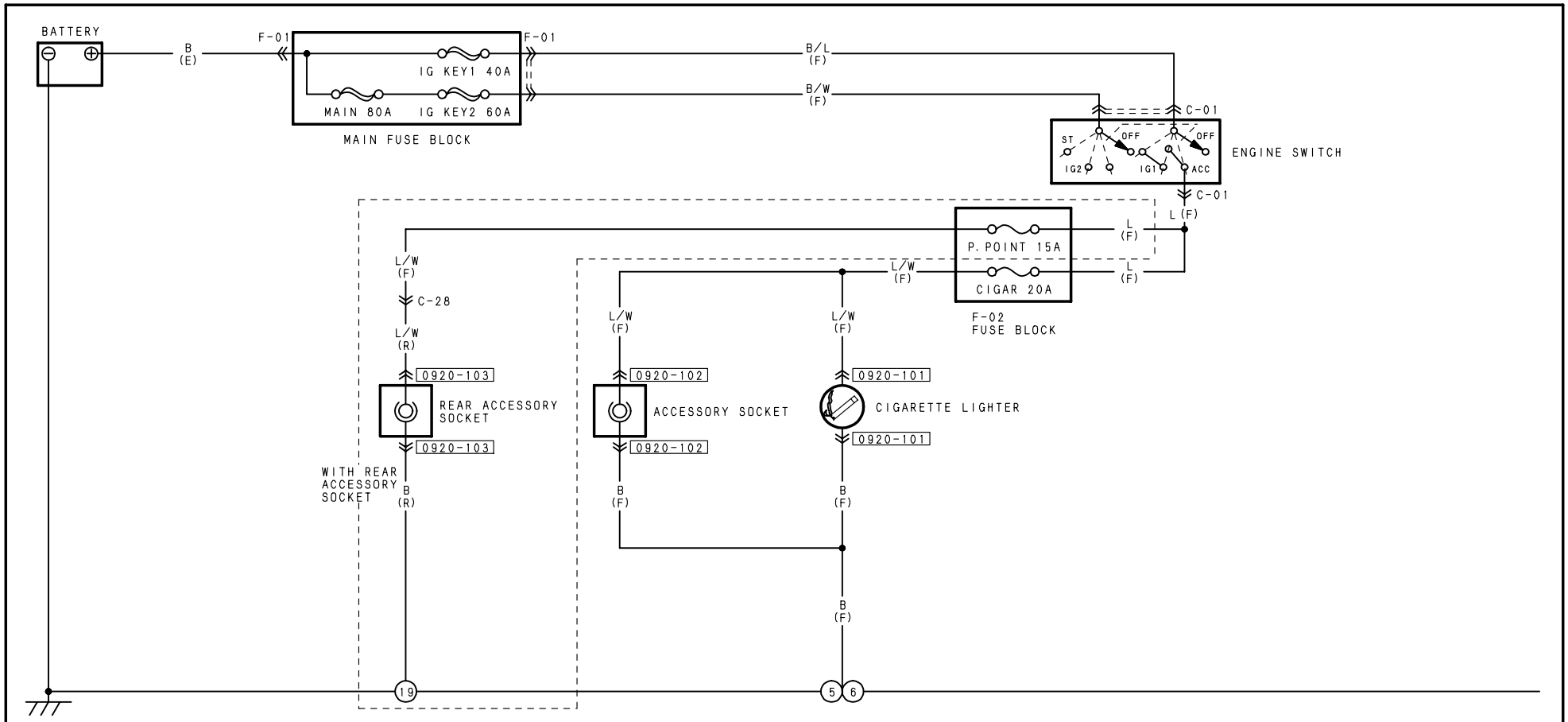
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HARNESS SYMBOL: (F) (E) (R)



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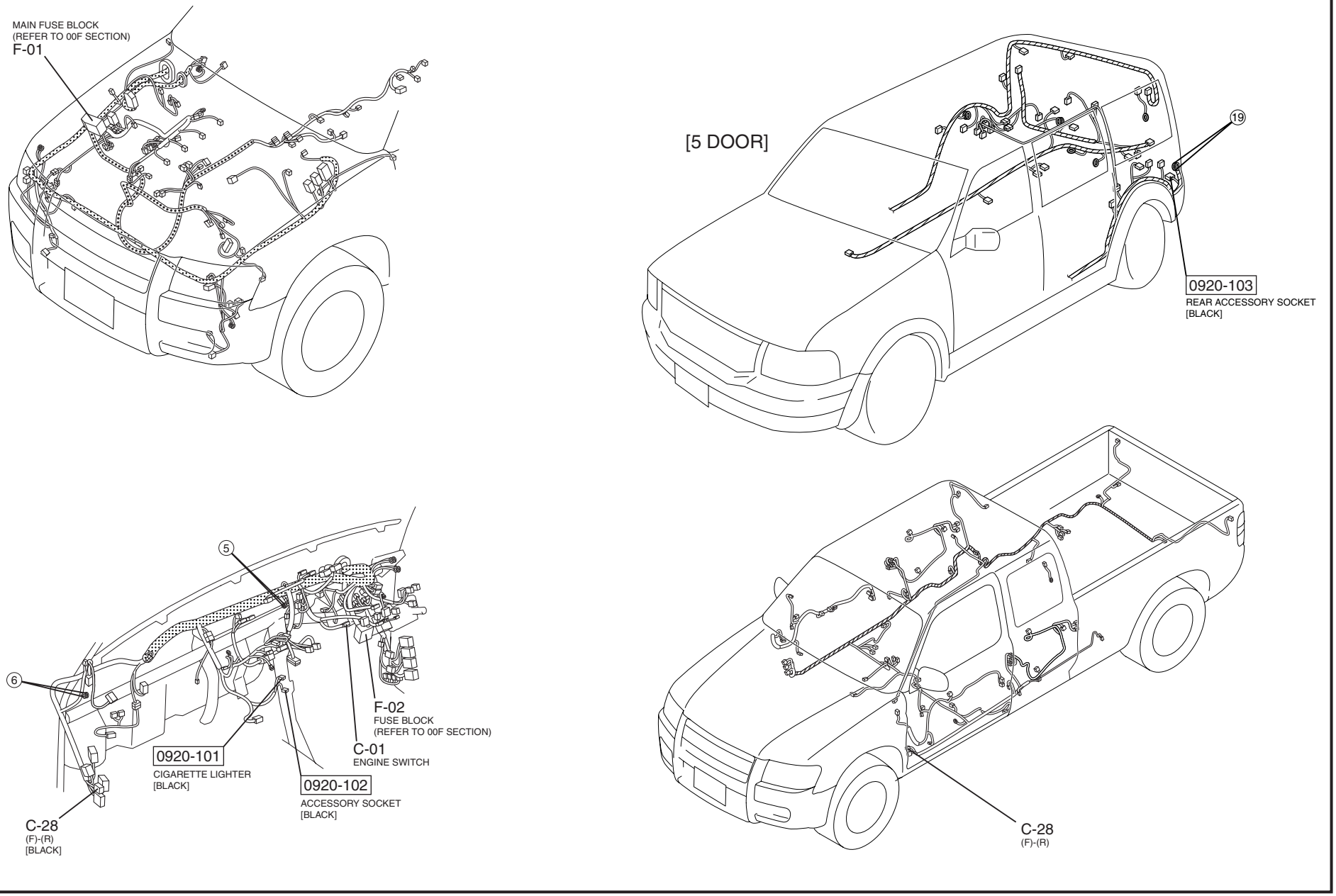
ACCESSORY SOCKET / CIGARETTE LIGHTER



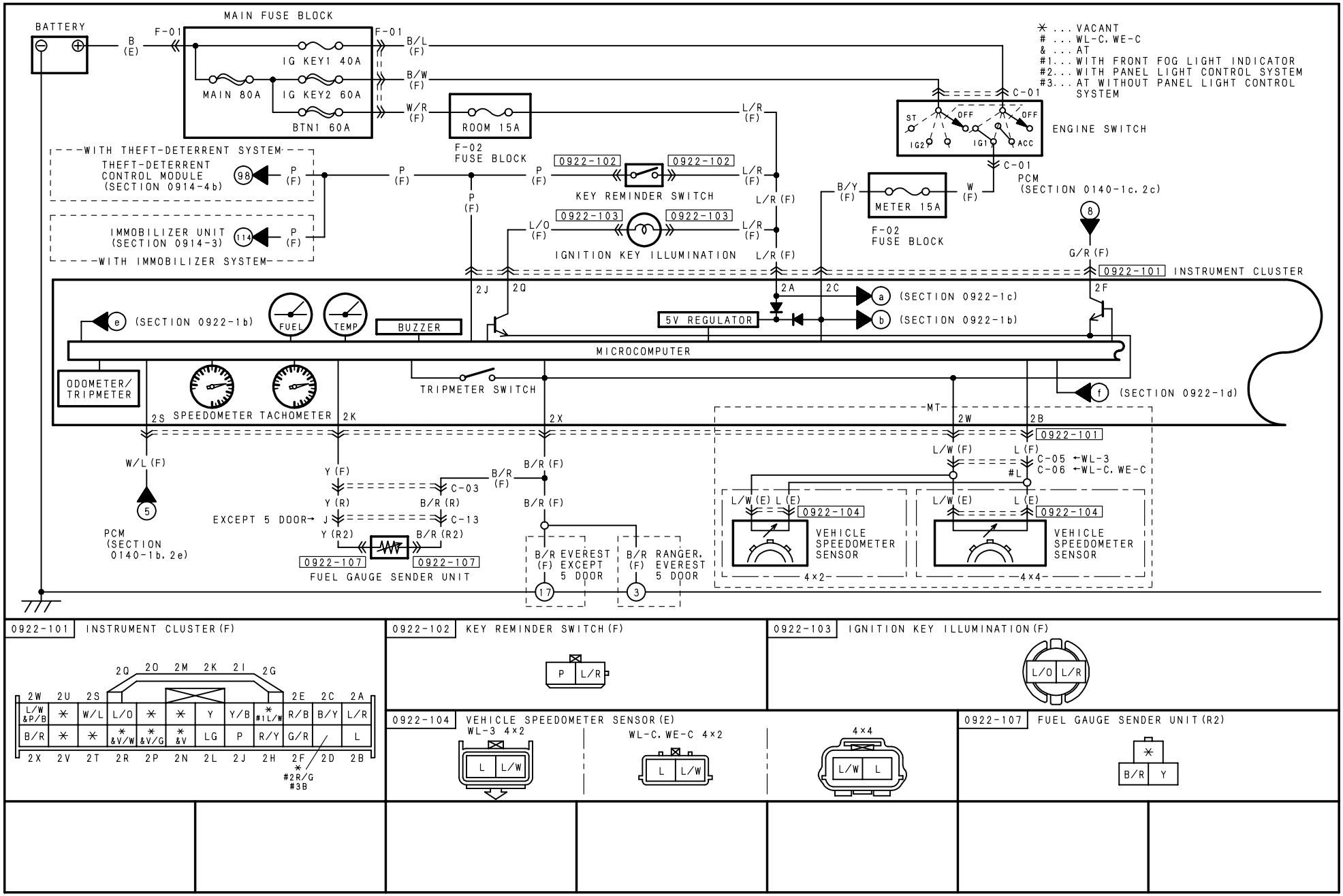
0920-101 CIGARETTE LIGHTER (F)	0920-102 ACCESSORY SOCKET (F)	0920-103 REAR ACCESSORY SOCKET (R)
L/W / B	L/W / B	L/W / * / B

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HARNESS SYMBOL: (F) (E) (R)



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0922-101 INSTRUMENT CLUSTER (F)

0922-102 KEY REMINDER SWITCH (F)

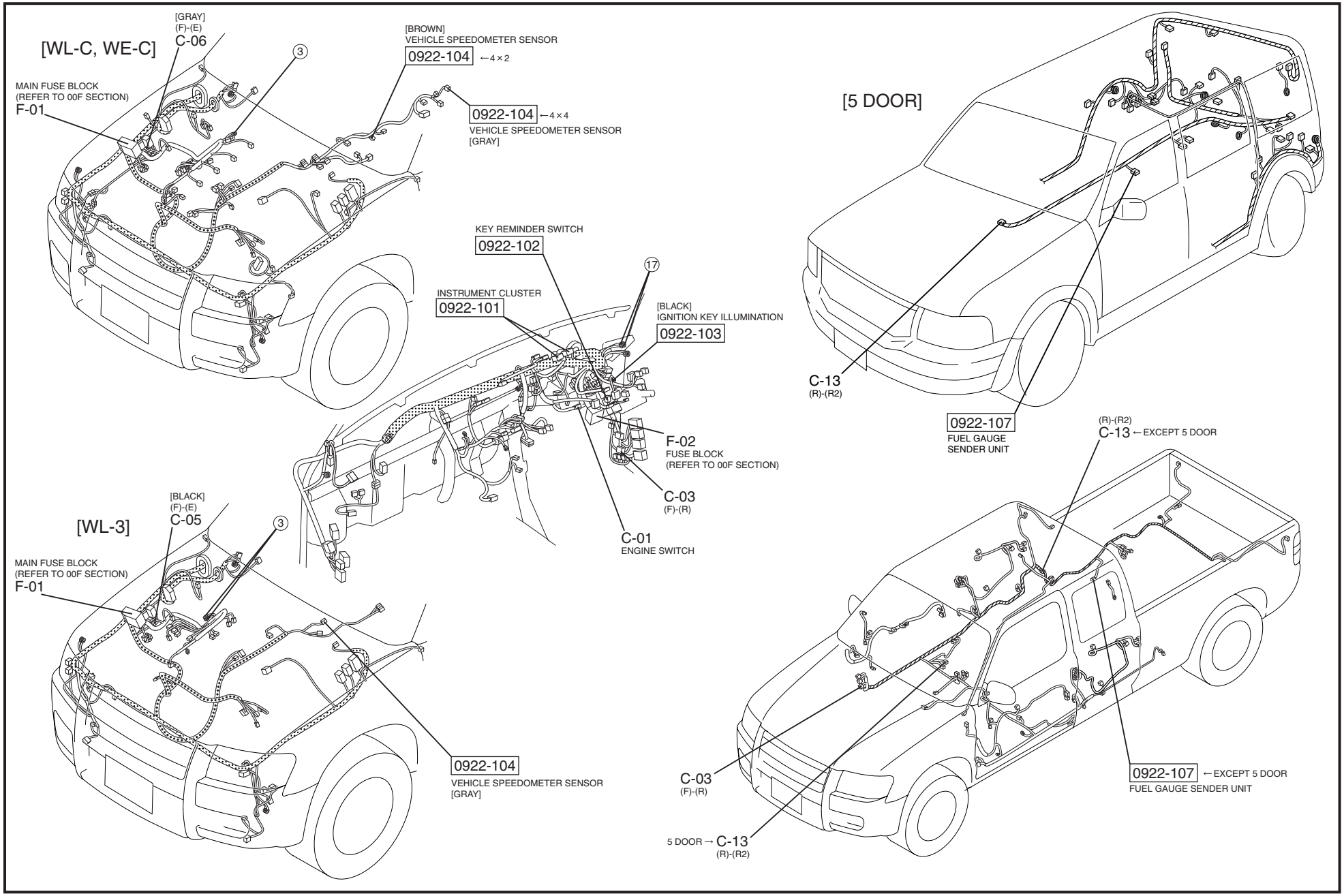
0922-103 IGNITION KEY ILLUMINATION (F)

0922-104 VEHICLE SPEEDOMETER SENSOR (E)

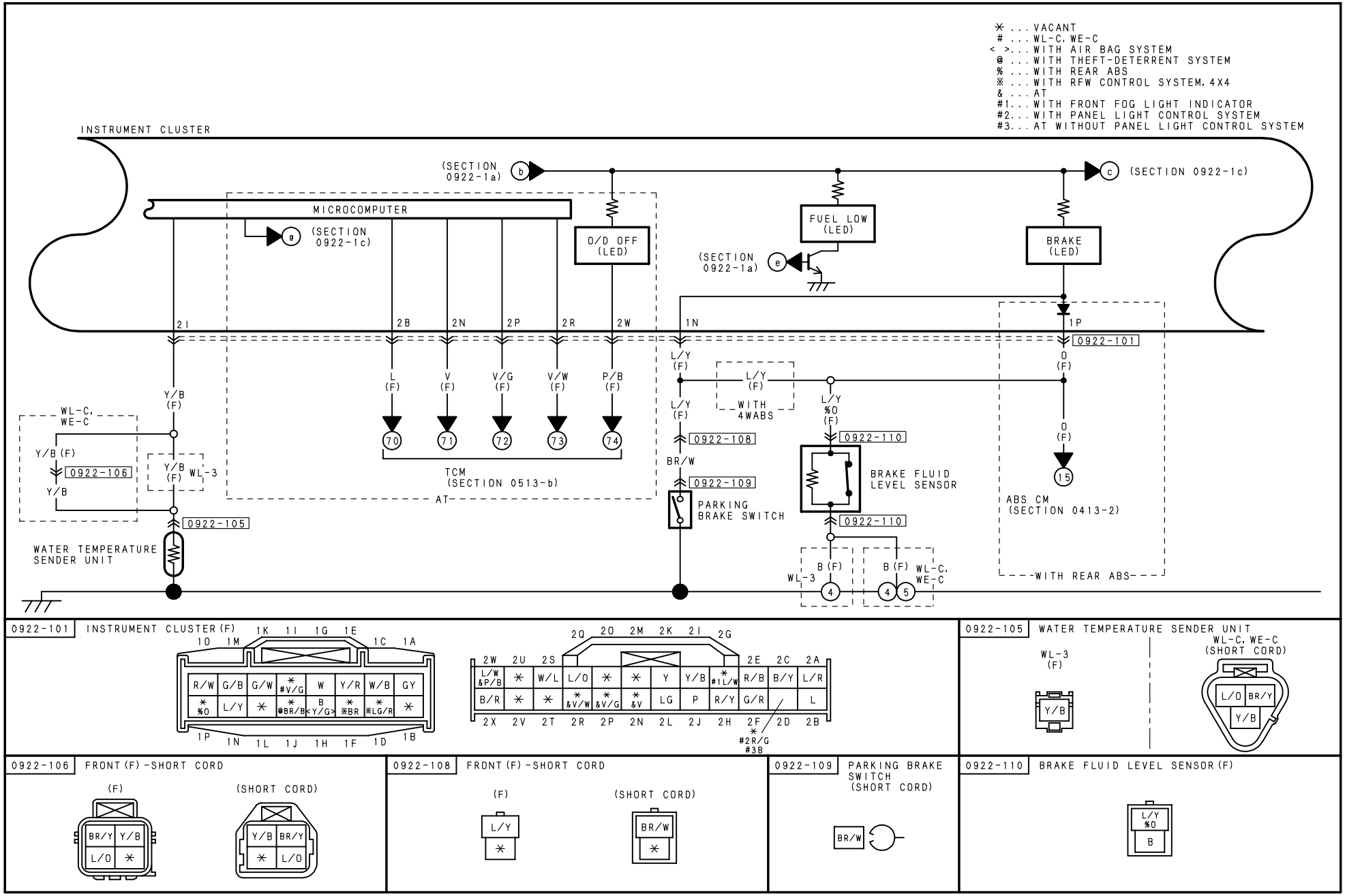
0922-107 FUEL GAUGE SENDER UNIT (R2)

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HARNESS SYMBOL: (F) (E) (R)

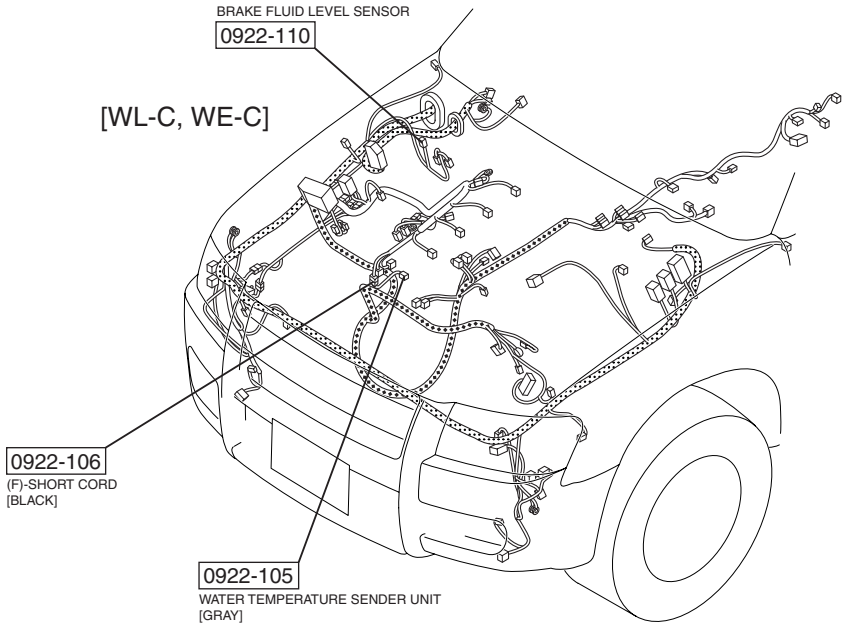


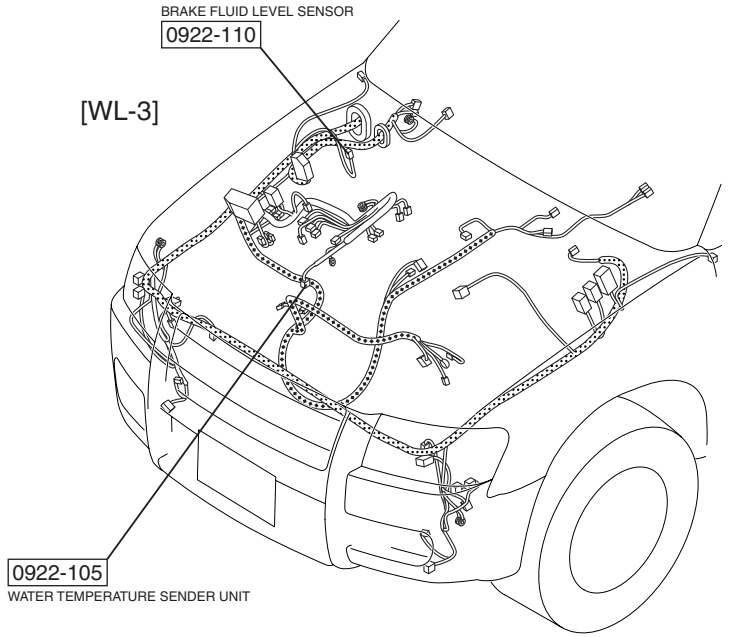
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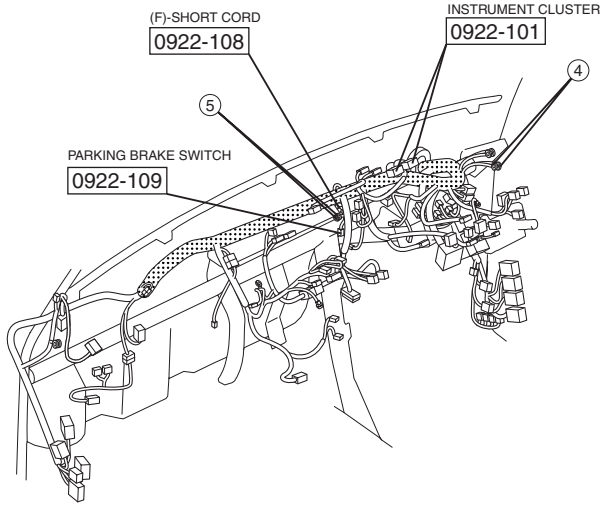


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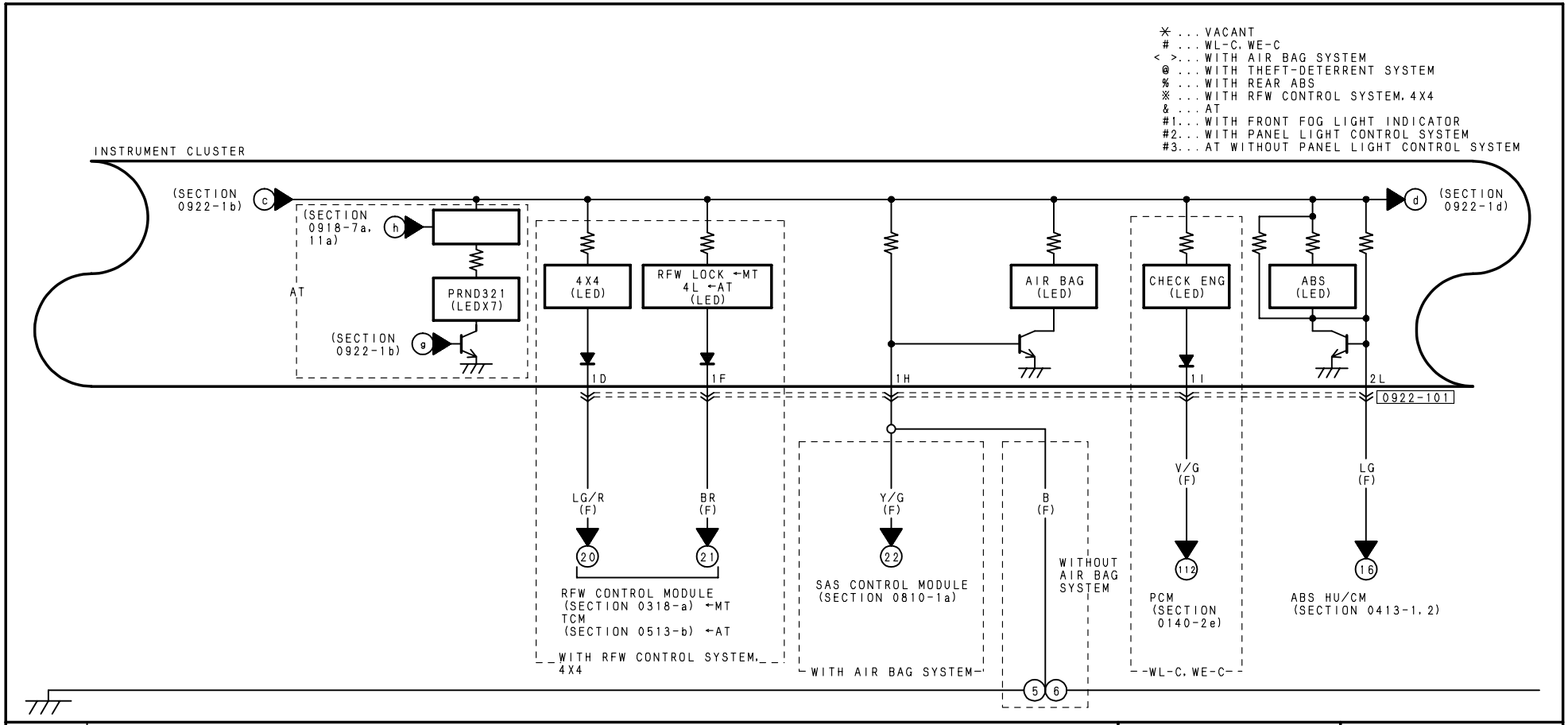
HARNESS SYMBOL: (F) (E) (R)



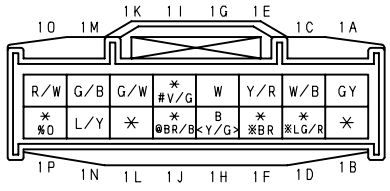


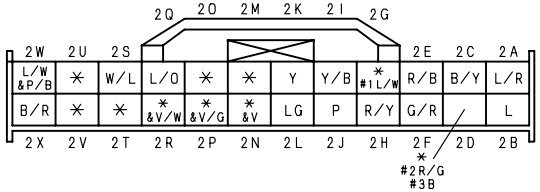


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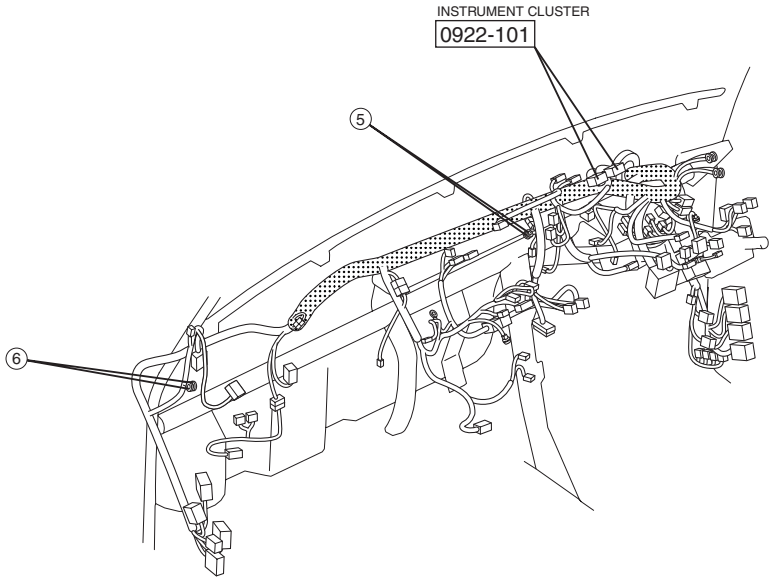
0922-101 INSTRUMENT CLUSTER (F)



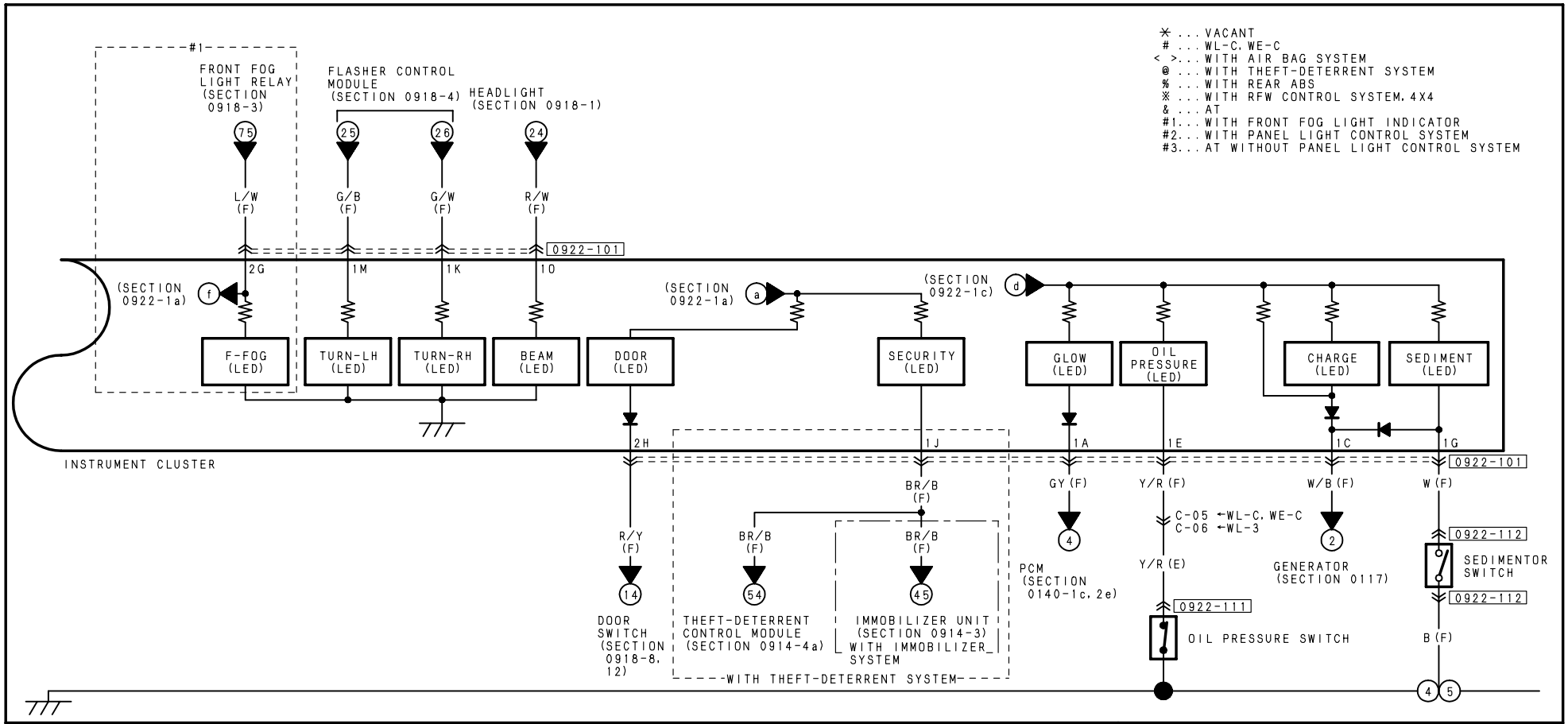


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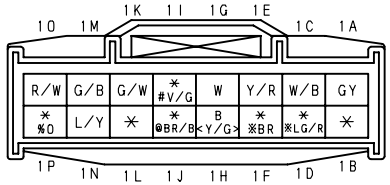
HARNESS SYMBOL: (F) (E) (R)

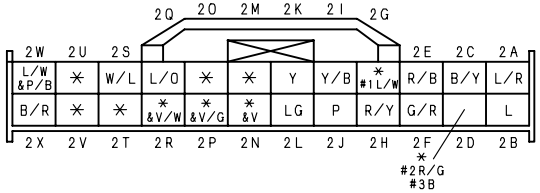


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0922-101 INSTRUMENT CLUSTER (F)

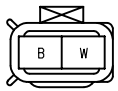




0922-111 OIL PRESSURE SWITCH (E)

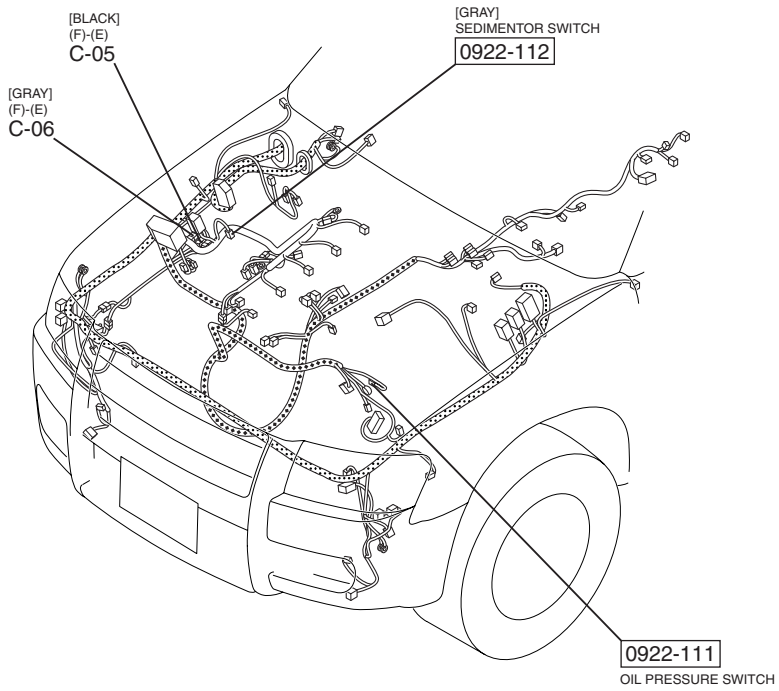


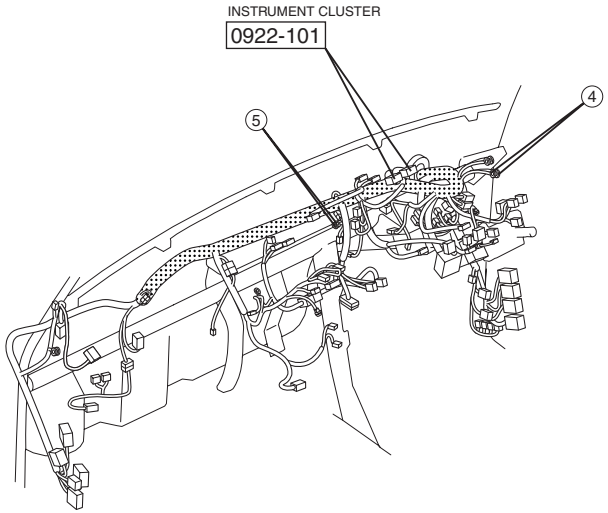
0922-112 SEDIMENTOR SWITCH (F)



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HARNESS SYMBOL: (F) (E) (R)





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ALPHABETICAL INDEX

4
- 4X4 CONTROL MODULE 20
- 4X4 RELAY 20
- 4X4 SWITCH 22

A
- A/C AMPLIFIER 32
- A/C DIODE 32, 34
- A/C RELAY 32
- A/C SWITCH 32, 34
- ACCESSORY SOCKET 74
- AT DIODE 24
- AT RELAY 24

B
- BACK-UP LIGHT 56
- BACK-UP LIGHT SWITCH 56
- BACK DOOR LOCK ACTUATOR 40
- BLOWER MOTOR 32, 34
- BLOWER RELAY 32, 34
- BLOWER UNIT 32
- BONNET SWITCH 42
- BRAKE FLUID LEVEL SENSOR 78
- BRAKE LIGHT 58
- BRAKE SWITCH 58

C
- CIGARETTE LIGHTER 74
- CLIMATE CONTROL UNIT 32
- COMMON CONNECTOR LIST 8

D
- DATA LINK CONNECTOR 16
- DATA LINK CONNECTOR-2 16
- DIGITAL TRANSMISSION RANGE SENSOR 18, 22, 30, 56
- DOOR KEY CYLINDER SWITCH 42
- DOOR LOCK-LINK SWITCH 38, 44
- DOOR LOCK ACTUATOR 40
- DOOR LOCK CONTROL MODULE 38
- DOOR SWITCH 64, 70

E
- ELECTRICAL WIRING SCHEMATIC 4

F
- FAN SWITCH 34
- FILAMENT 36
- FLASHER CONTROL MODULE 54
- FOG LIGHT 52
- FOG LIGHT RELAY 52
- FOG LIGHT SWITCH 52
- FREE SOLENOID 20
- FRONT FOG LIGHT 52
- FRONT FOG LIGHT RELAY 52
- FRONT FOG LIGHT SWITCH 52
- FRONT SIDE TURN LIGHT 54
- FRONT TURN LIGHT 54
- FUEL-FILLER LID OPENER 46
- FUEL-FILLER LID OPENER SWITCH 46
- FUEL GAUGE SENDER UNIT 76
- FUSE BOX 6

G
- GENERAL INFORMATION 2
- GLOVE COMPARTMENT LIGHT 62, 68
- GROUND POINT 12

H
- HAZARD WARNING SWITCH 54
- HEADLIGHT 48
- HEADLIGHT RELAY 48
- HEADLIGHT SWITCH 48
- HIGH-MOUNT BRAKE LIGHT 58

I
- ILLUMINATION
  - 4X4 SWITCH 62, 66
  - A/C SWITCH 60, 66
  - AUDIO UNIT 60, 66
  - CONSOLE 62, 68
  - FUEL-FILLER LID OPENER SWITCH 68
  - HAZARD WARNING SWITCH 60, 66
  - HEATER CONTROL 60, 66
  - IGNITION KEY 76
  - INSTRUMENT CLUSTER 60, 66
  - O/D OFF SWITCH 62, 66
  - REAR A/C 68
  - REAR A/C SWITCH 68
  - REAR WINDOW DEFROSTER SWITCH 60, 66
  - RFW MAIN SWITCH 62, 68
- INSTRUMENT CLUSTER 76
- INTERIOR LIGHT 64, 70
- INTERMEDIATE SHAFT SPEED SENSOR 26

K
- KEY REMINDER SWITCH 76

L
- LICENSE PLATE LIGHT 50
- LOCK SOLENOID 20

M
- MAGNETIC CLUTCH 32
- MAP LIGHT 70
- MOTOR COMPONENT 22

O
- O/D OFF SWITCH 24
- OIL PRESSURE SWITCH 82
- OUTPUT SHAFT SPEED SENSOR 30

P
- PANEL LIGHT CONTROL SWITCH 68
- PARKING BRAKE SWITCH 78
- PARKING LIGHT 50

R
- REAR A/C DIODE 32, 34
- REAR A/C SWITCH 34
- REAR ACCESSORY SOCKET 74
- REAR BLOWER MOTOR 34
- REAR BLOWER RELAY 34
- REAR FAN SWITCH 34
- REAR MAP LIGHT 70
- REAR RESISTOR 34
- REAR TURN LIGHT 54
- REAR WASHER MOTOR 72
- REAR WINDOW DEFROSTER RELAY 36
- REAR WINDOW DEFROSTER SWITCH 36
- REAR WIPER AND WASHER SWITCH 72
- REAR WIPER MOTOR 72
- REFRIGERANT PRESSURE SWITCH 32
- RESISTOR 32, 34

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ALPHABETICAL INDEX

S

SEDIMENTOR SWITCH 82
SIDE TURN LIGHT 54
SOLENOID BODY 28
SPEED SENSOR 22
STARTER 18
STARTER RELAY 18

T

TAILLIGHT 50
TCM 24
THEFT-DETERRENT CONTROL MODULE 42
THEFT-DETERRENT HORN 44
THEFT-DETERRENT HORN RELAY 44
TNS RELAY 48
TURBINE SHAFT SPEED SENSOR 26
TURN LIGHT 54
TURN SWITCH 54

V

VEHICLE IDENTIFICATION NUMBERS (VIN) 3
VEHICLE SPEEDOMETER SENSOR 76

W

WASHER MOTOR 72
WATER TEMPERATURE
SENDER UNIT 78
WINDOW DEFROSTER RELAY 36
WINDOW DEFROSTER SWITCH 36
WIPER AND WASHER SWITCH 72
WIPER MOTOR 72

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RANGER
EVEREST
WIRING DIAGRAMS SUPPLEMENT

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER / EVEREST and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

CONTENTS

TITLE	SECTION
GENERAL INFORMATION	00
ENGINE	01
SUSPENSION	02
DRIVELINE/AXLE	03
BRAKES	04
TRANSMISSION/TRANSAXLE	05
STEERING	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07
RESTRAINTS	08
BODY & ACCESSORIES	09
ALPHABETICAL INDEX	AI

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F1B1-20-06I

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

RANGER

MNA BS1D90*W
MNA BS1E90*W
MNA BS2D90*W
MNA BS2E90*W
MNA BSAD90*W
MNA BSAE90*W
MNA BSBD90*W
MNA BSBE90*W
MNA BSED10*W
MNA BSED90*W
MNA BSEE10*W
MNA BSEE90*W
MNA BSFD10*W
MNA BSFD90*W
MNA BSFE10*W
MNA BSFE90*W
MNA DS1D90*W
MNA DS1E90*W
MNA DS2D90*W
MNA DS2E90*W
MNA DSAD90*W
MNA DSAE90*W
MNA DSBD90*W
MNA DSBE90*W
MNA DSED10*W
MNA DSED90*W
MNA DSEE10*W
MNA DSEE90*W
MNA DSFD10*W
MNA DSFD90*W
MNA DSFE10*W
MNA DSFE90*W
MNA LS1D90*W
MNA LS1E90*W
MNA LS2D90*W
MNA LS2E90*W
MNA LSAD90*W
MNA LSAE90*W
MNA LSBD90*W
MNA LSBE90*W
MNA LSED10*W
MNA LSED90*W
MNA LSEE10*W
MNA LSEE90*W
MNA LSFD10*W
MNA LSFD90*W
MNA LSFE10*W
MNA LSFE90*W
MNA US1D90*W
MNA US1E90*W
MNA US2D90*W
MNA US2E90*W
MNA USAD90*W
MNA USAE90*W
MNA USBD90*W
MNA USBE90*W
MNA USED10*W
MNA USED90*W
MNA USEE10*W
MNA USEE90*W
MNA USFD10*W
MNA USFD90*W
MNA USFE10*W
MNA USFE90*W
MNB BSED10*W
MNB BSED90*W
MNB BSEE10*W
MNB BSEE90*W
MNB BSFD10*W
MNB BSFD90*W
MNB BSFE10*W
MNB BSFE90*W
MNB DSED10*W
MNB DSED90*W
MNB DSEE10*W
MNB DSEE90*W
MNB DSFD10*W
MNB DSFD90*W
MNB DSFE10*W
MNB DSFE90*W
MNB LSED10*W
MNB LSED90*W
MNB LSEE10*W
MNB LSEE90*W
MNB LSFD10*W
MNB LSFD90*W
MNB LSFE10*W
MNB LSFE90*W
MNB USED10*W
MNB USED90*W
MNB USEE10*W
MNB USEE90*W
MNB USFD10*W
MNB USFD90*W
MNB USFE10*W
MNB USFE90*W

EVEREST

MNB LS4D10*W
MNB LS4D90*W
MNB LS4E10*W
MNB LS4E90*W
MNB US4D10*W
MNB US4D90*W
MNB US4E10*W
MNB US4E90*W

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE 2
VEHICLE IDENTIFICATION NUMBERS (VIN) 3

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 4
F FUSE BOX 6
C COMMON CONNECTOR LIST 8
G GROUND POINT 12

DATA LINK CONNECTOR

D DATA LINK CONNECTOR 16

01 ENGINE

19 STARTING SYSTEM 18

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE
4X4 CONTROL SYSTEM 20

05 TRANSMISSION/TRANSAXLE

13 AUTOMATIC TRANSMISSION
AUTOMATIC TRANSMISSION CONTROL SYSTEM ... 24

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM
HEATER AND AIR CONDITIONER 32
REAR HEATER AND AIR CONDITIONER 34

09 BODY & ACCESSORIES

12 GLASS/WINDOWS/MIRRORS
REAR WINDOW DEFROSTER 36

14 SECURITY AND LOCKS
POWER DOOR LOCK SYSTEM 38
IMMOBILIZER SYSTEM 42
THEFT-DETERRENT SYSTEM 44
FUEL-FILLER LID OPENER 48

18 LIGHTING SYSTEMS
HEADLIGHT 50
LICENSE PLATE LIGHT 52
PARKING LIGHT 52
TAILLIGHT 52
TURN AND HAZARD WARNING LIGHT 56
BACK-UP LIGHT 58
BRAKE LIGHT 60
HIGH-MOUNT BRAKE LIGHT 60
ILLUMINATION LIGHT 62
INTERIOR LIGHT
5 DOOR 66

19 WIPER/WASHER SYSTEM
REAR WIPER AND WASHER 68

20 ENTERTAINMENT
ACCESSORY SOCKET 70
CIGARETTE LIGHTER 70
AUDIO SYSTEM
5 DOOR 72

22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER 76

AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 86

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE

RANGER

Ⓐ M N B B S 1 D 1 0 6 Ⓐ 1 2 3 4 5 6 Ⓐ

Serial No.		
Algeria: Others:	Plant	Ⓐ mark W=A. A. Thailand
Model Yesr Production year		7= 2007, 8=2008, 9=2009... 6= 2006, 7=2007, 8=2008...
Gulf: Algeria: Others:	Check Digit Plant No meaning	0 to 9, X W= A. A. Thailand 0
Engine type		6= F2E (2.2 EGI) 1= WL-C (2.5 L-DI) 9= WE-C (3.0 L-DI) 2= WL-3 (2.5 L Diesel-Emission Turbo) 4= WL-Turbo (2.5L Diesel turbo) 7= G6E (2.6 EGI)
Gross vehicle weight	Gulf only 1= 2=	Other D= 2268—2721 kg {5001—6000 lbs} E= 2722—3175 kg {6001—7000 lbs}
Body style	Gulf only 8= 3= 2=	Others A= Regular cab.-without box B= Regular cab.-with box E= Double cab.-without box F= Double cab.-with box 1= Stretch cab. (with Rear Access System) -without box 2= Stretch cab. (with Rear Access System) -with box
Product sorce		M= Thailand (for Europe (L.H.D.)) S= Japan (for Australia, General (R.H.D.), General (L.H.D.), Gulf)
Air bag		B= Seatbelt only D= with Air bag (Driver side) L= with Air bag (Driver and Passenger) U= with Air bag (Driver, Passenger and Side air bag)
World manufacturer identification		WF0=FORD (European (L.H.D.)) MNA=FORD (Australian) MNB=FORD (General (R.H.D.)) MNC=FORD (General (L.H.D.), Gulf)

Ⓐ : This mark is used only for Algerian model, in order to identify the manufacturer.

EVEREST

M N B L S 4 D 1 0 6 W 1 2 3 4 5 6

Serial No.	
Plant	W=A. A. Thailand
Production year	6= 2006, 7= 2007, 8=2008...
No meaning	0
Engine type	7= G6E (2.6 EGI) 1= WL-C (2.5 L-DI) 9= WE-C (3.0 L-DI)
Gross vehicle weight	D= 2268—2721 kg {5001—6000 lbs} E= 2722—3175 kg {6001—7000 lbs}
Body style	4= New Wagon
Product sorce	S= Japan
Air bag	L= with Air bag (Driver and Passenger) U= with Air bag (Driver, Passenger and Side air bag)
World manufacturer identification	MNB= FORD (General (R.H.D.)) MNC= FORD (General (L.H.D.))

VEHICLE IDENTIFICATION NUMBERS (VIN)

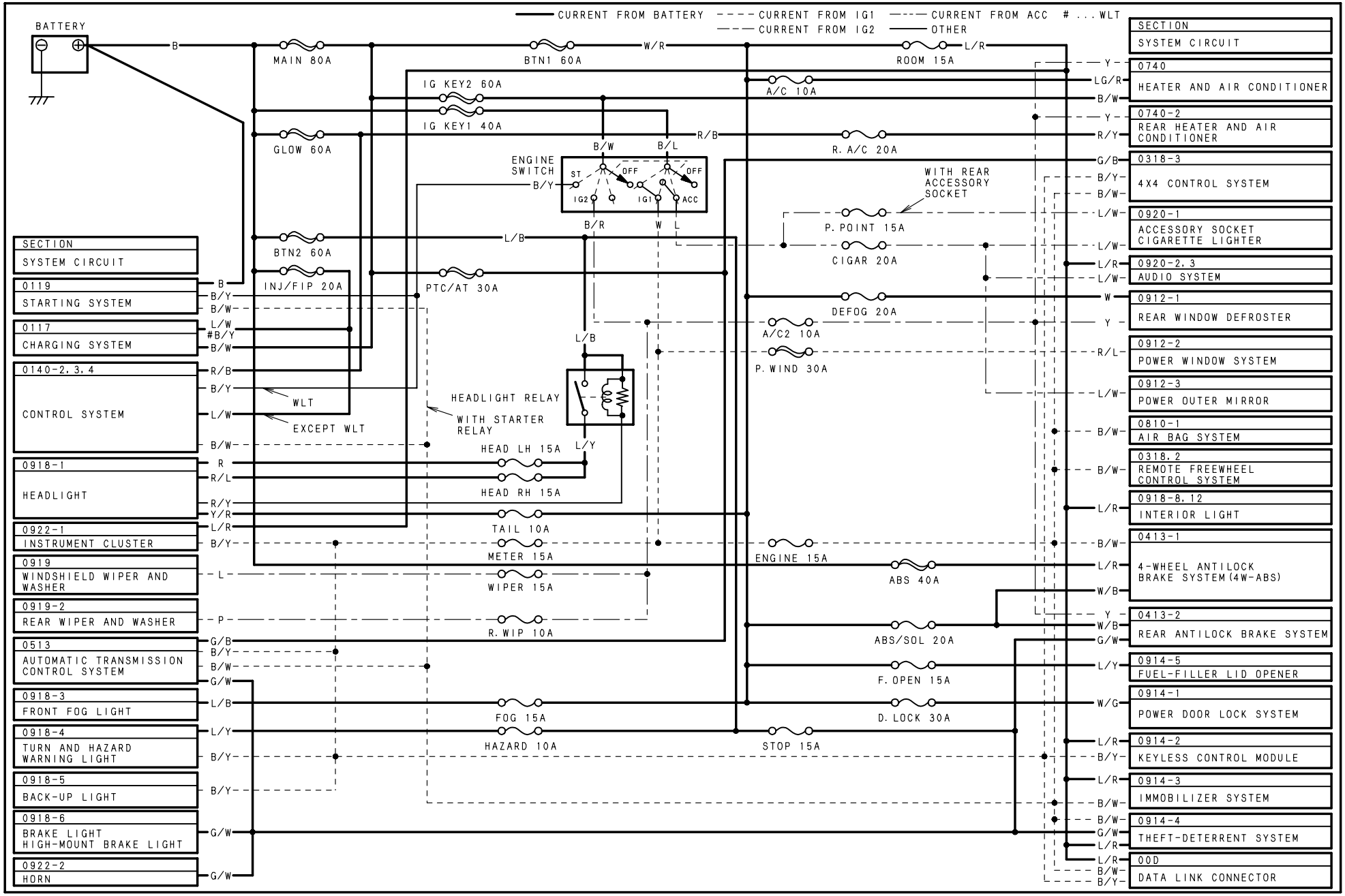
RANGER

MNA BS1D90*W
MNA BS1E90*W
MNA BS2D90*W
MNA BS2E90*W
MNA BSAD90*W
MNA BSAE90*W
MNA BSBD90*W
MNA BSBE90*W
MNA BSED10*W
MNA BSED90*W
MNA BSEE10*W
MNA BSEE90*W
MNA BSFD10*W
MNA BSFD90*W
MNA BSFE10*W
MNA BSFE90*W
MNA DS1D90*W
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MNB USFE90*W

EVEREST

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MNB LS4D90*W
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MNB US4E10*W
MNB US4E90*W

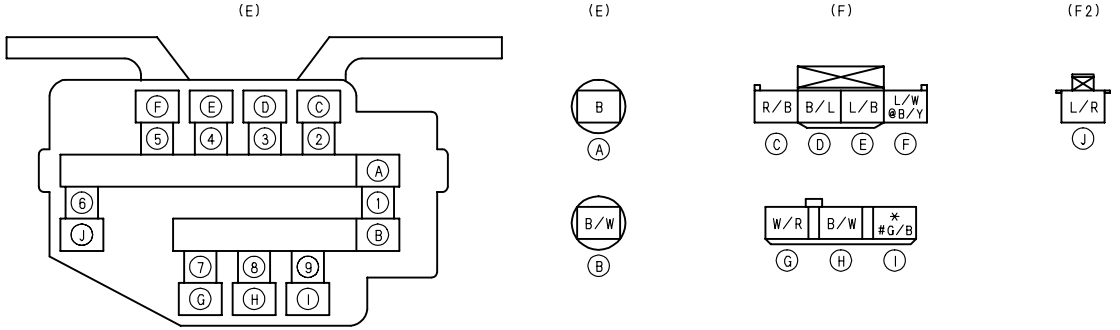
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F-01 MAIN FUSE BLOCK

✳ . . . VACANT
. . . AT
@ . . . WLT

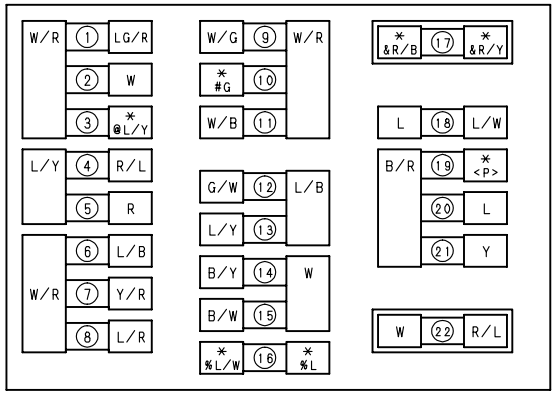


NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( ) IF EQUIPPED

F-02 FUSE BLOCK (F)



NOTE:SEEN FROM TERMINAL SIDE

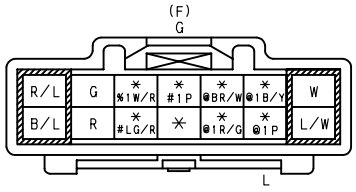
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(F. OPEN)	15A	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	(P. POINT)	15A
6	(FOG)	15A	17	(R. A/C)	20A
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	(R. WIP)	10A
9	(D. LOCK)	30A	20	WIPER	15A
10	(P. WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P. WIND)	30A

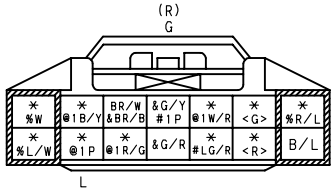
( ) IF EQUIPPED

✳ . . . VACANT
. . . NOT USED
@ . . . WITH FUEL-FILLER LID OPENER
% . . . WITH REAR ACCESSORY SOCKET
& . . . WITH REAR A/C
< >. . . WITH REAR WIPER AND WASHER

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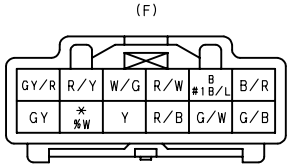
C-02 FRONT (F) -REAR (R)

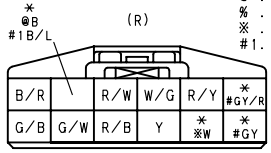




✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
@ . . . WITH BUCKLE SWITCH
< >. . . WITH REAR POWER DOOR LOCK SYSTEM
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . NOT USED
@1. . . AT
#1. . . WITH REAR WIPER AND WASHER
%1. . . 4X4 AT

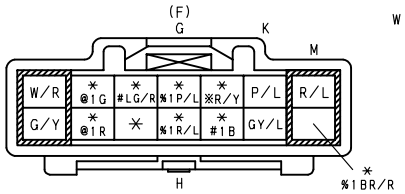
C-03 FRONT (F) -REAR (R)



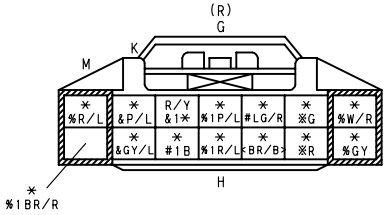


✳ . . . VACANT
. . . WITH REAR SPEAKER
@ . . . EXCEPT 5 DOOR WITH HIGH-MOUNT BRAKE LIGHT
% . . . 4X4 AT
※ . . . 4X4
#1. . . WITH FUEL FILLER LID OPENER

C-04 FRONT (F) -REAR (R)

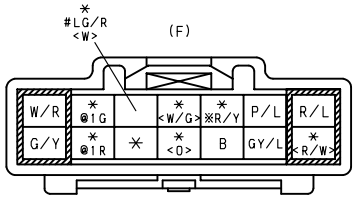


WITH AIR BAG SYSTEM

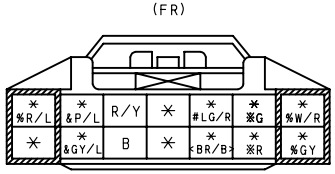


✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
#1. . . EXCEPT 5 DOOR
< >. . . NOT USED
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM
&1. . . WITH REAR A/C
%1. . . WITH REAR WIPER AND WASHER
@1. . . EXCEPT 5 DOOR MT

C-04 FRONT (F) -FLOOR (FR)



WITHOUT AIR BAG SYSTEM



✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM
< >. . . NOT USED
% . . . WITH REAR POWER WINDOW SYSTEM
& . . . WITH REAR SPEAKER
※ . . . WITH REAR POWER DOOR LOCK SYSTEM
@1. . . EXCEPT 5 DOOR MT

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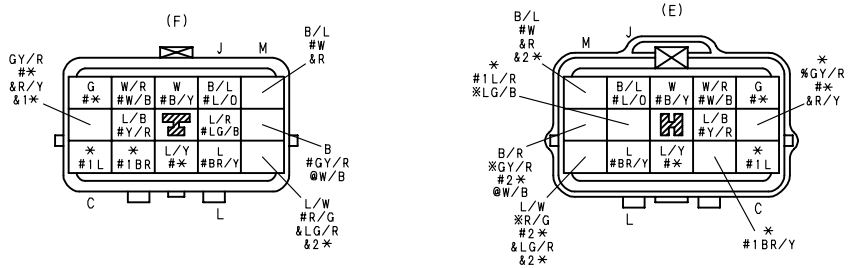
COMMON CONNECTOR LIST

C-05 FRONT (F) - ENGINE (E)



* . . . VACANT
. . . WLT
@ . . . WITH RFW CONTROL SYSTEM
& . . . 4X4 AT
% . . . 4X2 AT
※ . . . AT
#1 . . . WITH STARTER RELAY

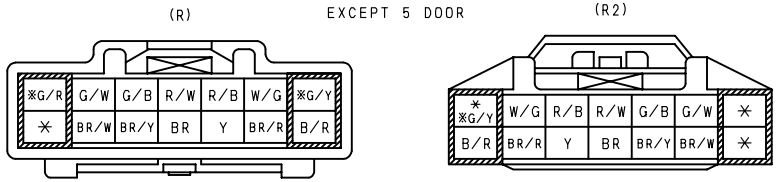
C-06 FRONT (F) - ENGINE (E)



* . . . VACANT
. . . WLT
#1 . . . WL-C, WE-C
#2 . . . WLT 4X2
% . . . WL-C, WE-C WITH RFW CONTROL SYSTEM
& . . . 4X4 AT
&1 . . . 4X2
&2 . . . 4X2 AT
@ . . . AT
※ . . . WLT WITH RFW CONTROL SYSTEM

C-13 REAR (R) - REAR No. 2 (R2)

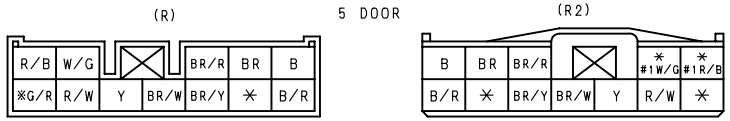
* . . . VACANT
% . . . BARE WIRE
※ . . . NOT USED



EXCEPT 5 DOOR

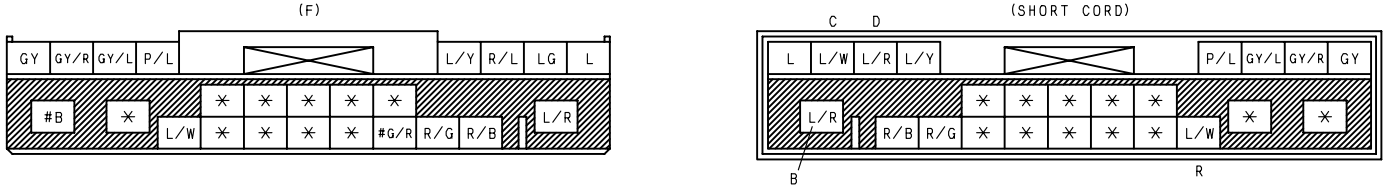
* . . . VACANT
※ . . . NOT USED
#1 . . . INDIA MODEL

5 DOOR



C-26 FRONT (F) - SHORT CORD

* . . . VACANT
. . . NOT USED



C-28 FRONT (F) - REAR (R)

(F)

W/G			L/B
L/R	L/W	R/Y	R/B

(R)

L/B			W/G
R/B	R/Y	L/W	L/R

C-29 FRONT (F) - ENGINE (E)

(F)

B/W	R/B	B/L
B/R	W/L	R/W

(E)

B/L	R/B	B/W
R/W	W/L	B/R

C-30 FRONT (F) - ENGINE (E)

(F)

G/B	G/W	V	V/G	B/R	
P/B	P		V	P	B
✳ #BR	B @R	V/W	✳ #V	✳ #B/Y	

K, G, E, F

(E)

B/R	V/G	V	G/W	G/B	
P	V		P	P/B	B
✳ #B/Y	V	V/W	R	✳ #BR	

E, G, K, F

✳ . . . VACANT
. . . 4X4 AT
@ . . . WITH STARTER CUT SYSTEM

C-31 FRONT (F) - ENGINE (E)

(F)

B	Y/B

(E)

Y/B	B

C-32 REAR (R) - REAR No. 4 (R4)

✳ . . . VACANT
. . . WITH THEFT-DETERRENT SYSTEM

(R)

P			LG/R	BR/R
R/L	P/L	B/L	✳	R/Y

(R4)

✳ #BR/R	✳ #LG/R			P
R/Y	✳	B/L	P/L	R/L

C-33 REAR (R) - REAR No. 4 (R4)

✳ . . . VACANT

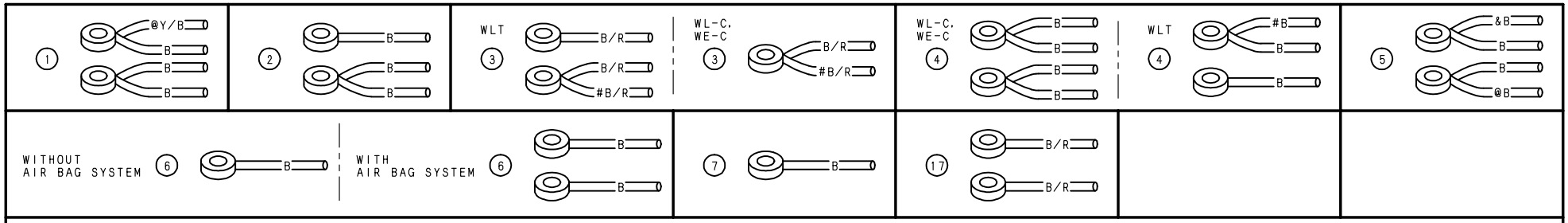
(R)

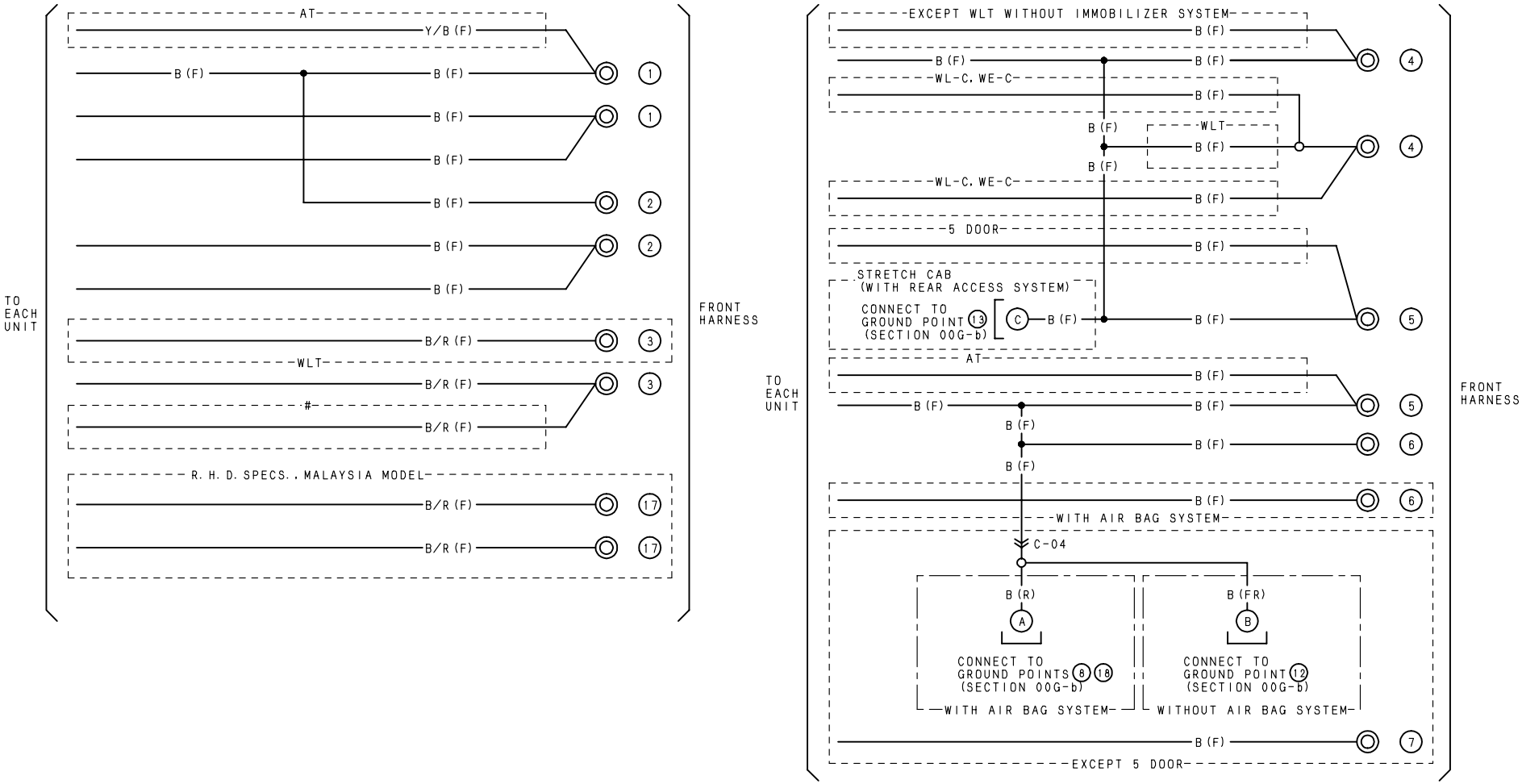
R/B			B
R	G	✳	✳

(R4)

B			R/B
✳	✳	G	R

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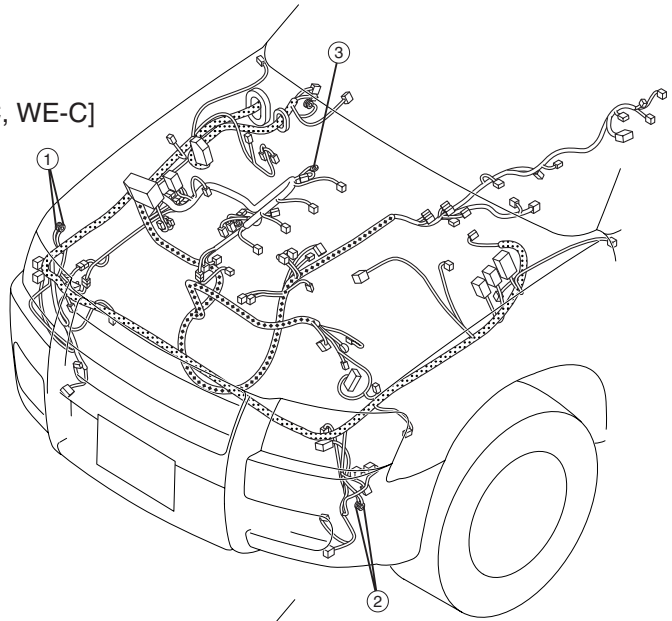


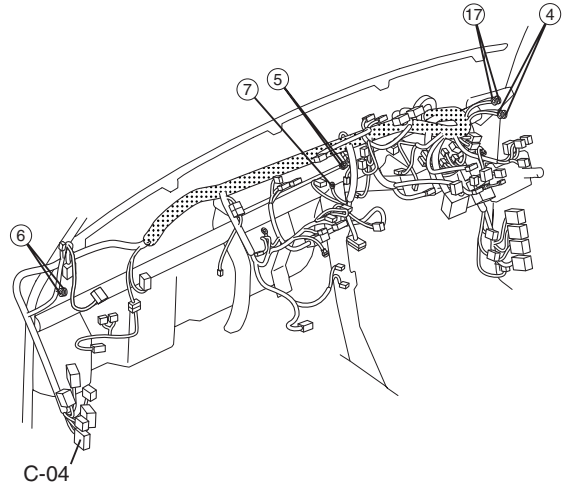


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HARNESS SYMBOL: (F) (E) (R)

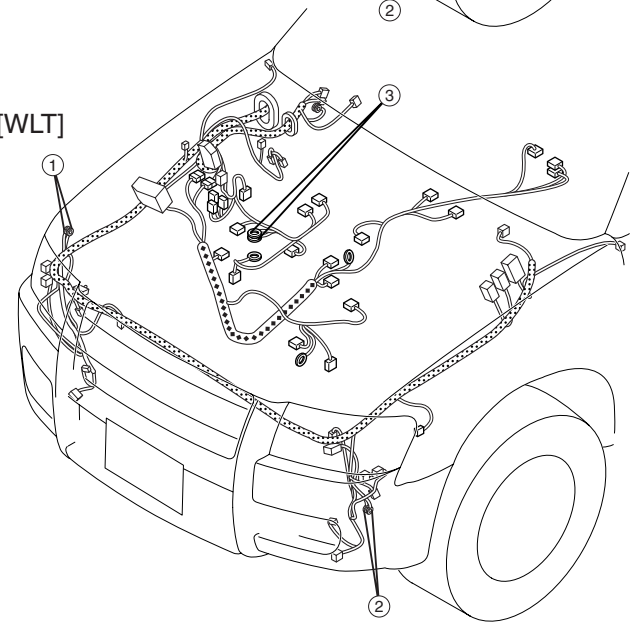
[WL-C, WE-C]

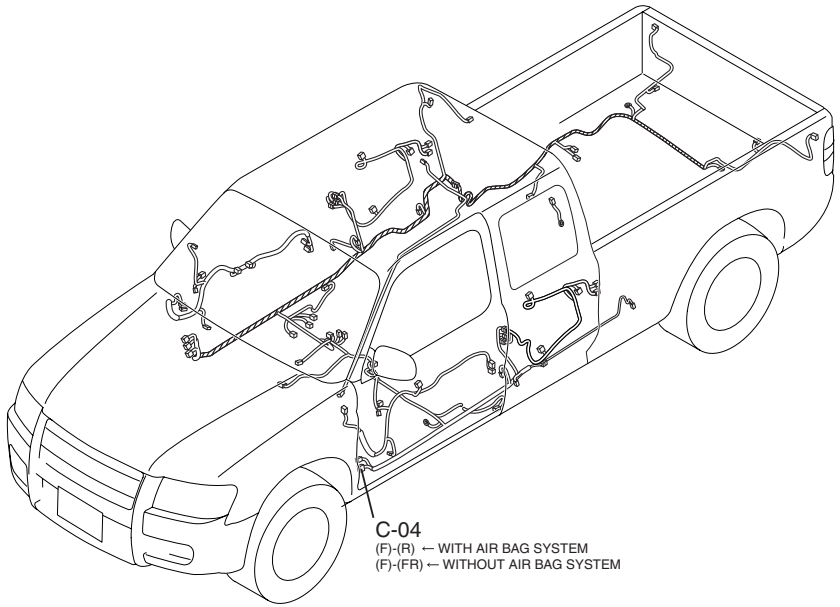




C-04
WITH AIR BAG SYSTEM → (F)-(R)
WITHOUT AIR BAG SYSTEM → (F)-(FR)

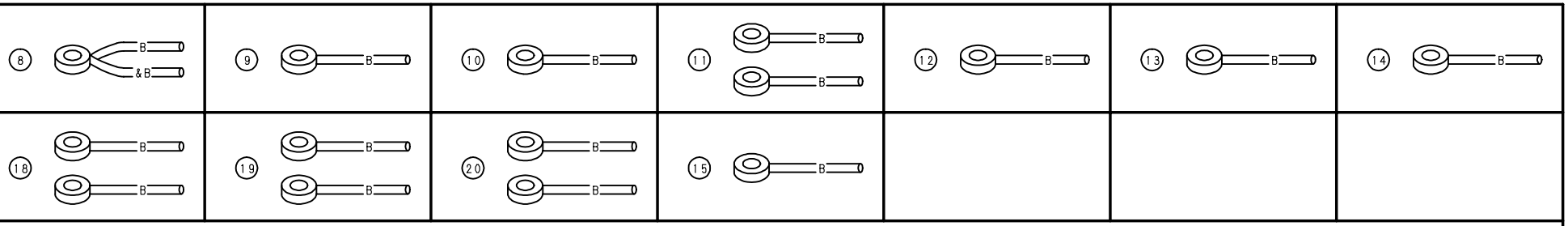
[WLT]

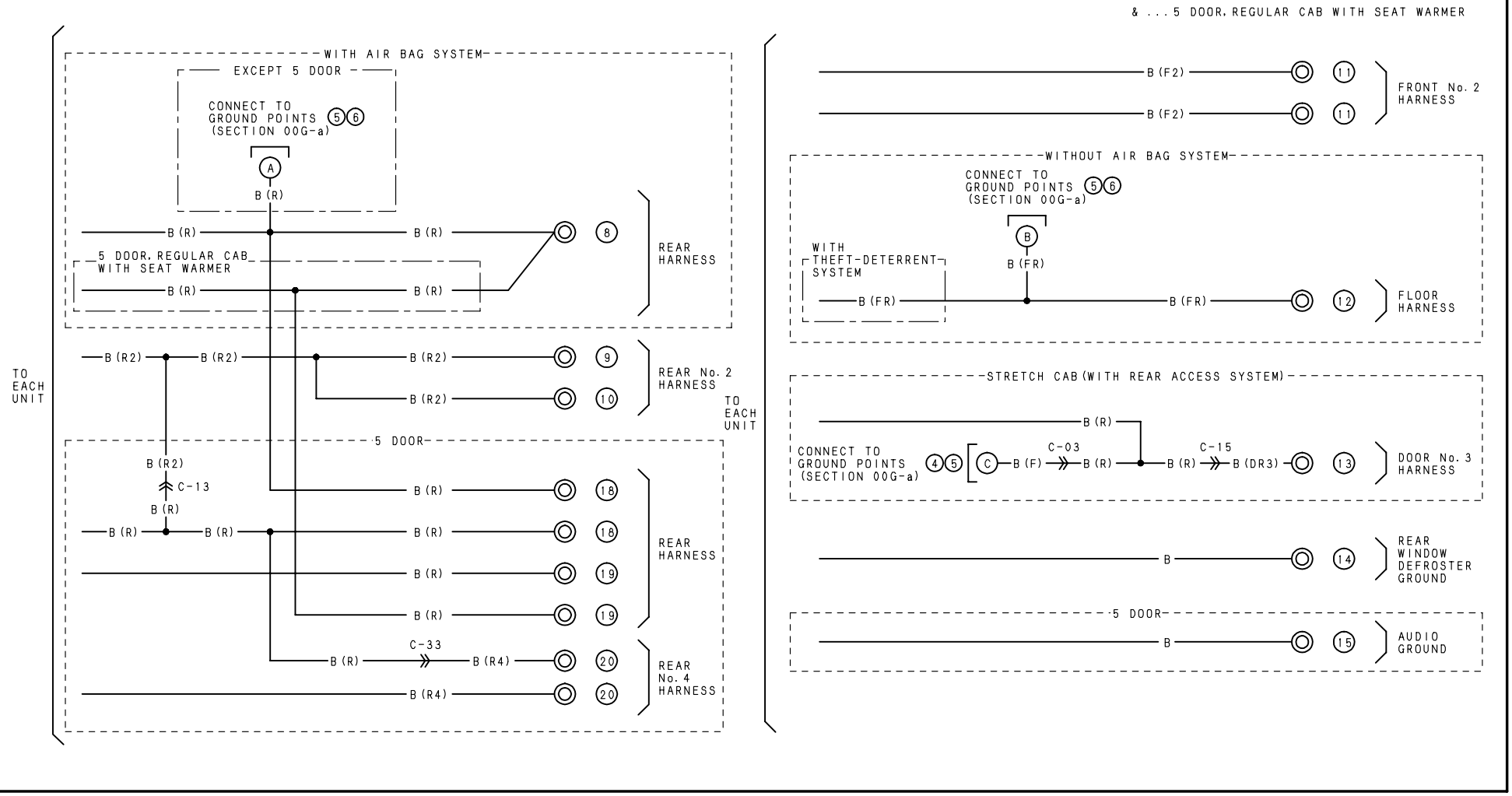




C-04
(F)-(R) ← WITH AIR BAG SYSTEM
(F)-(FR) ← WITHOUT AIR BAG SYSTEM

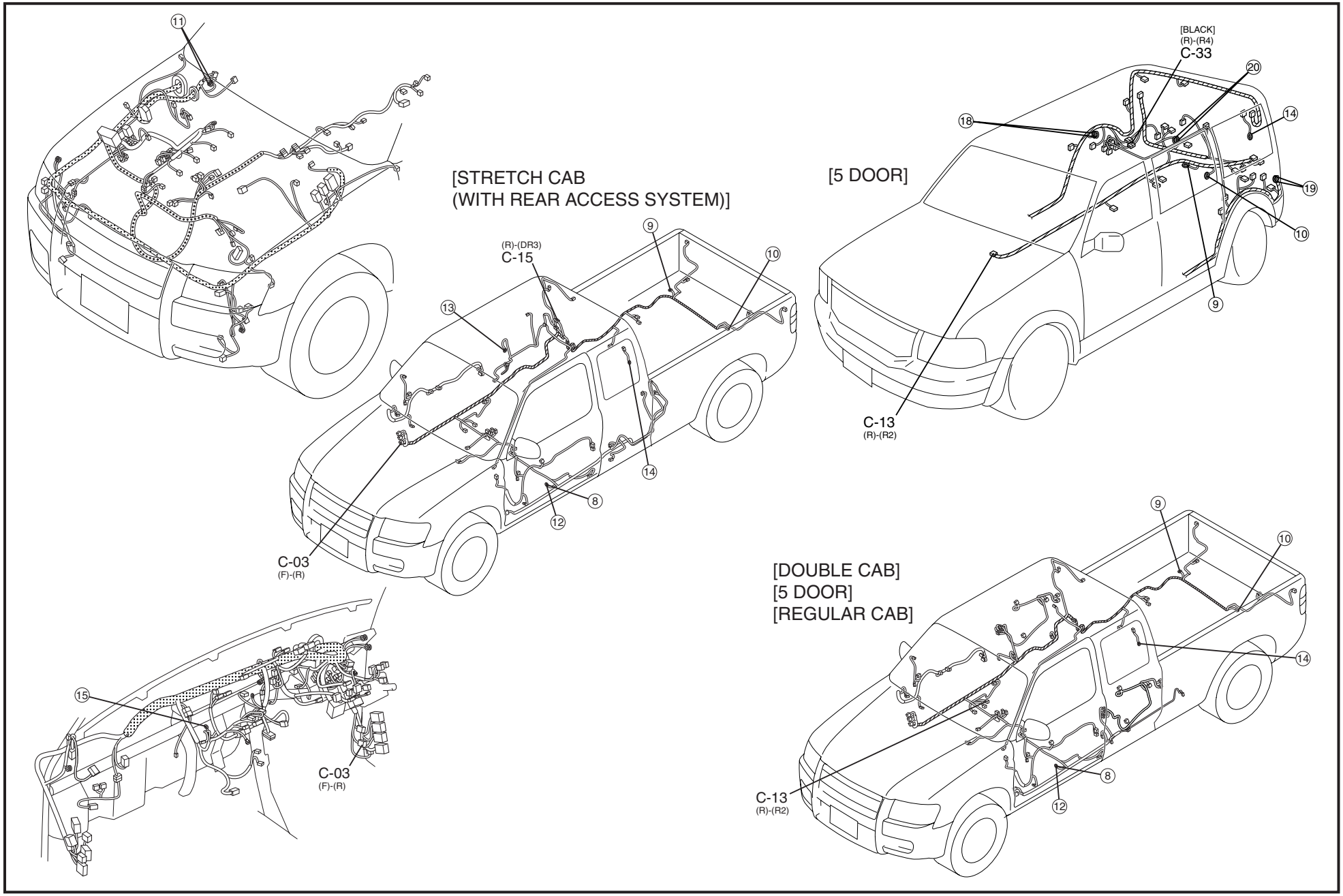
www.truck-freeworkshop.com

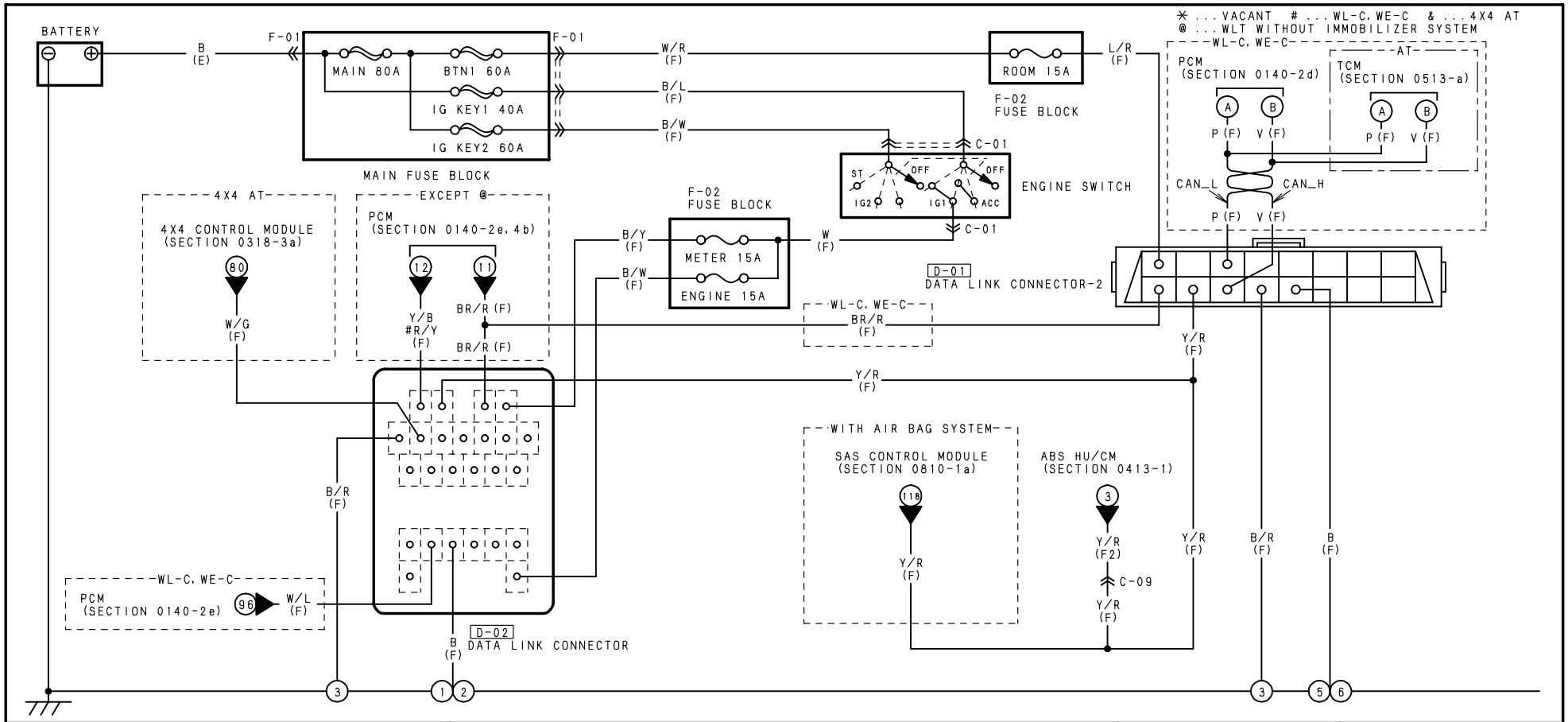




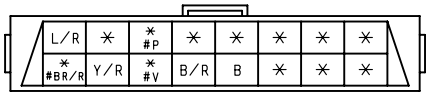
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



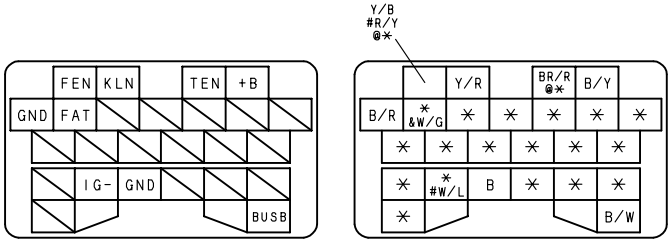


D-01 DATA LINK CONNECTOR-2 (F)



NOTE: SEEN FROM TERMINAL SIDE

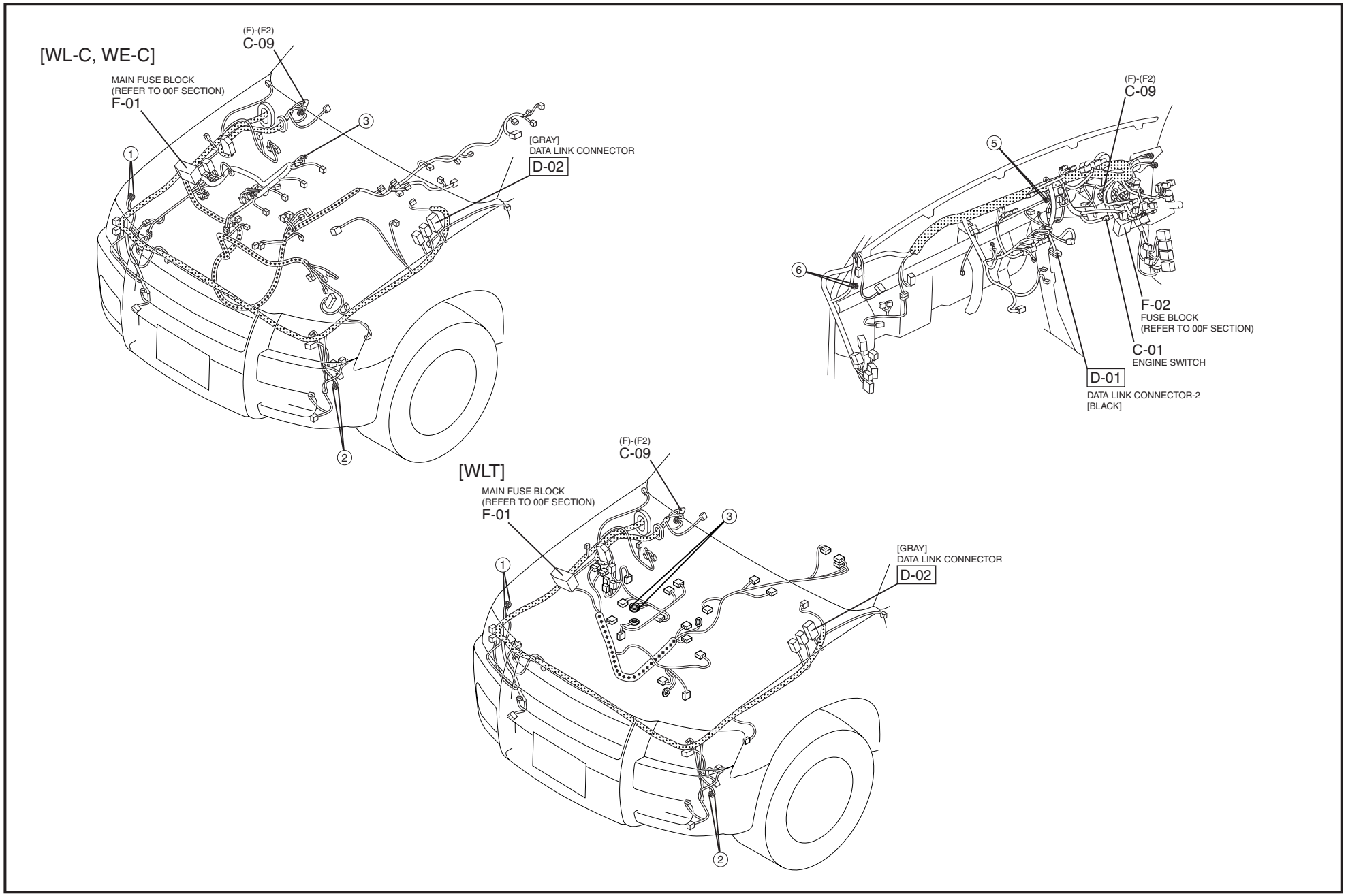
D-02 DATA LINK CONNECTOR (F)



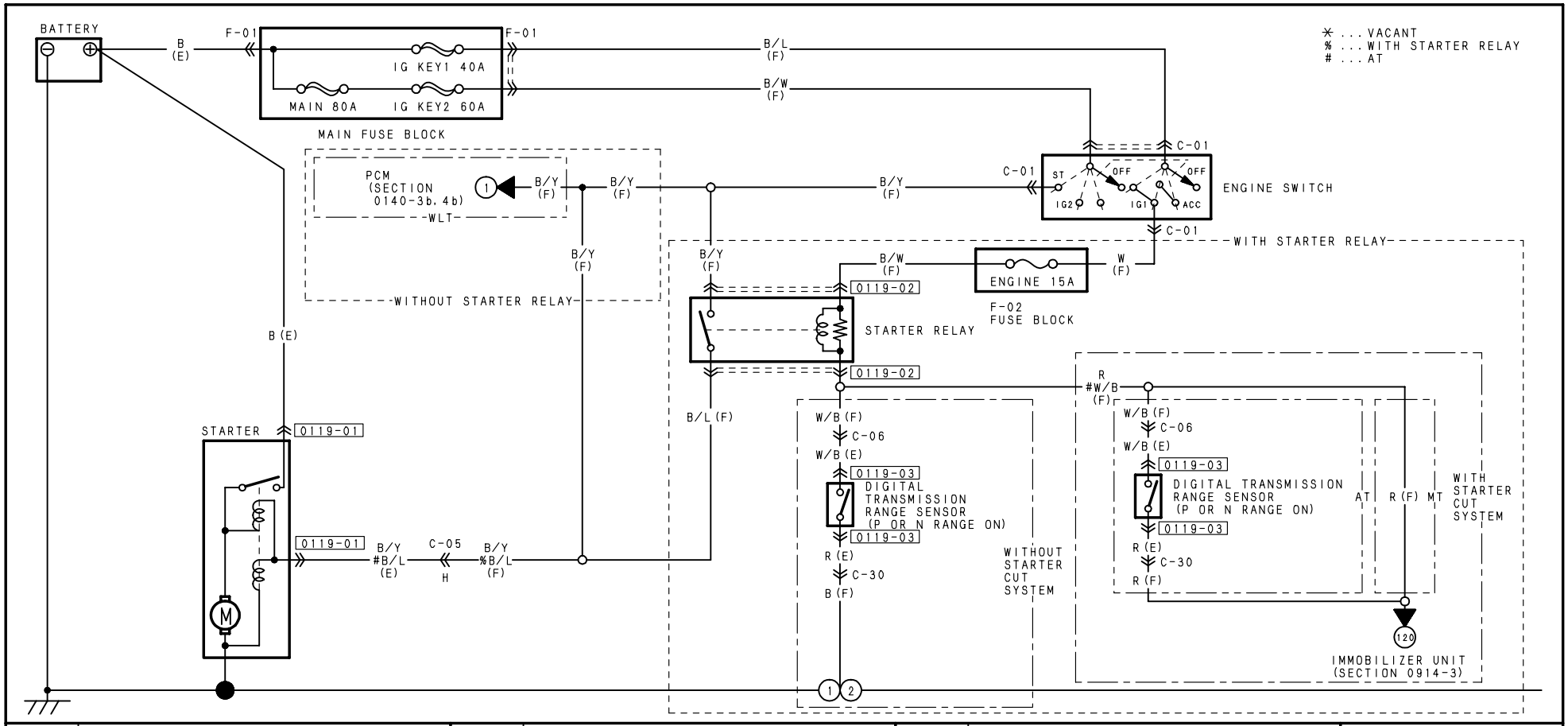
NOTE: SEEN FROM TERMINAL SIDE

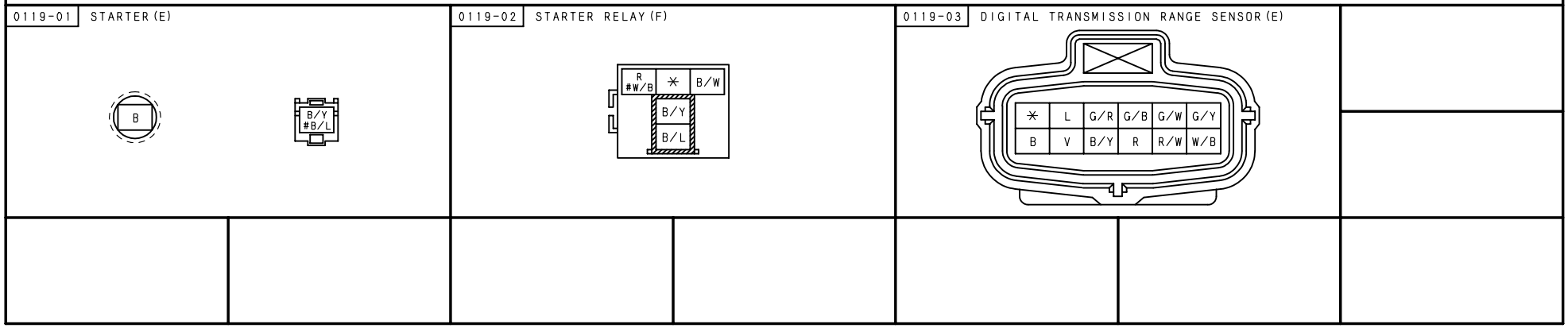
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



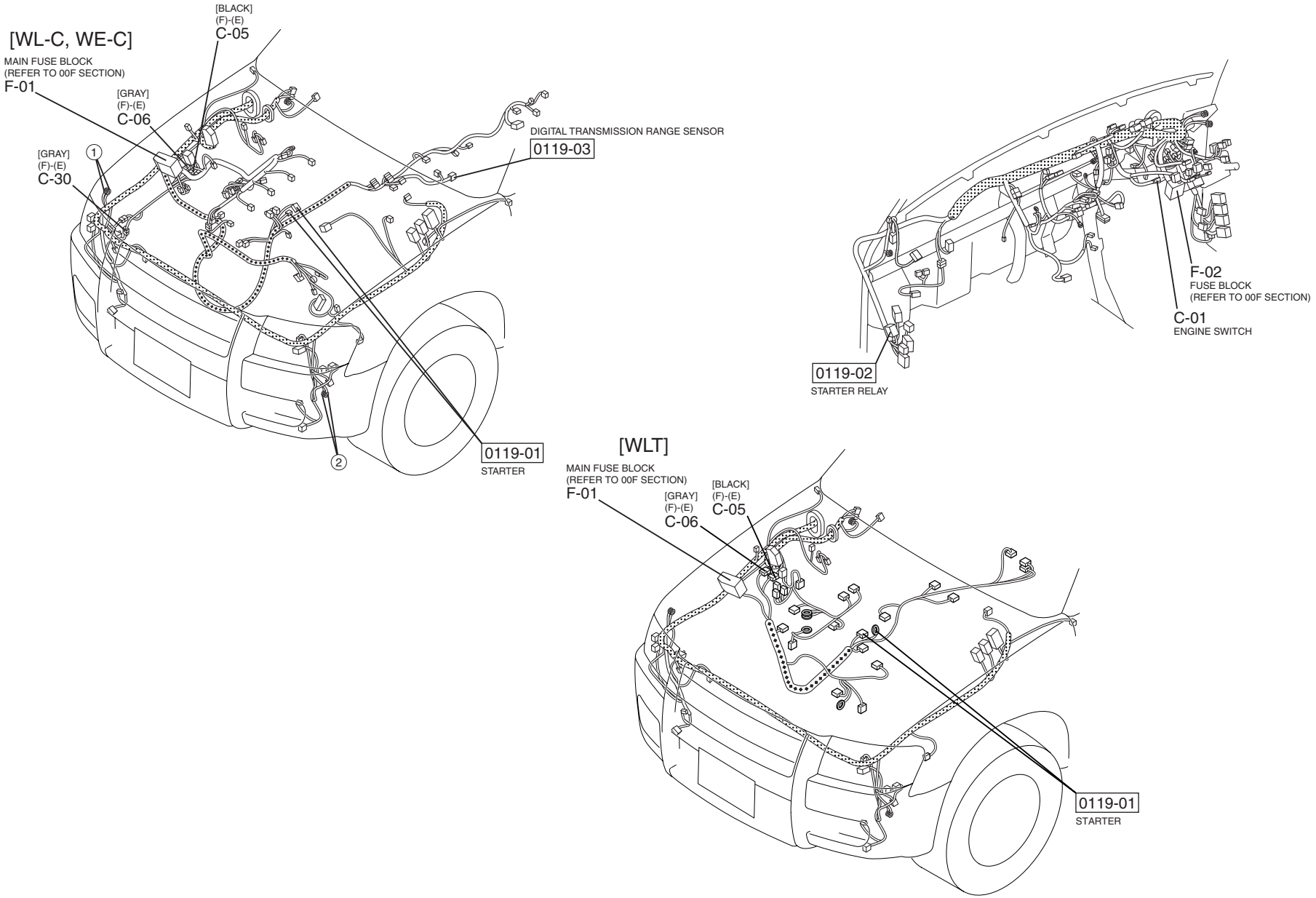
www.truck-freeworkshop.com



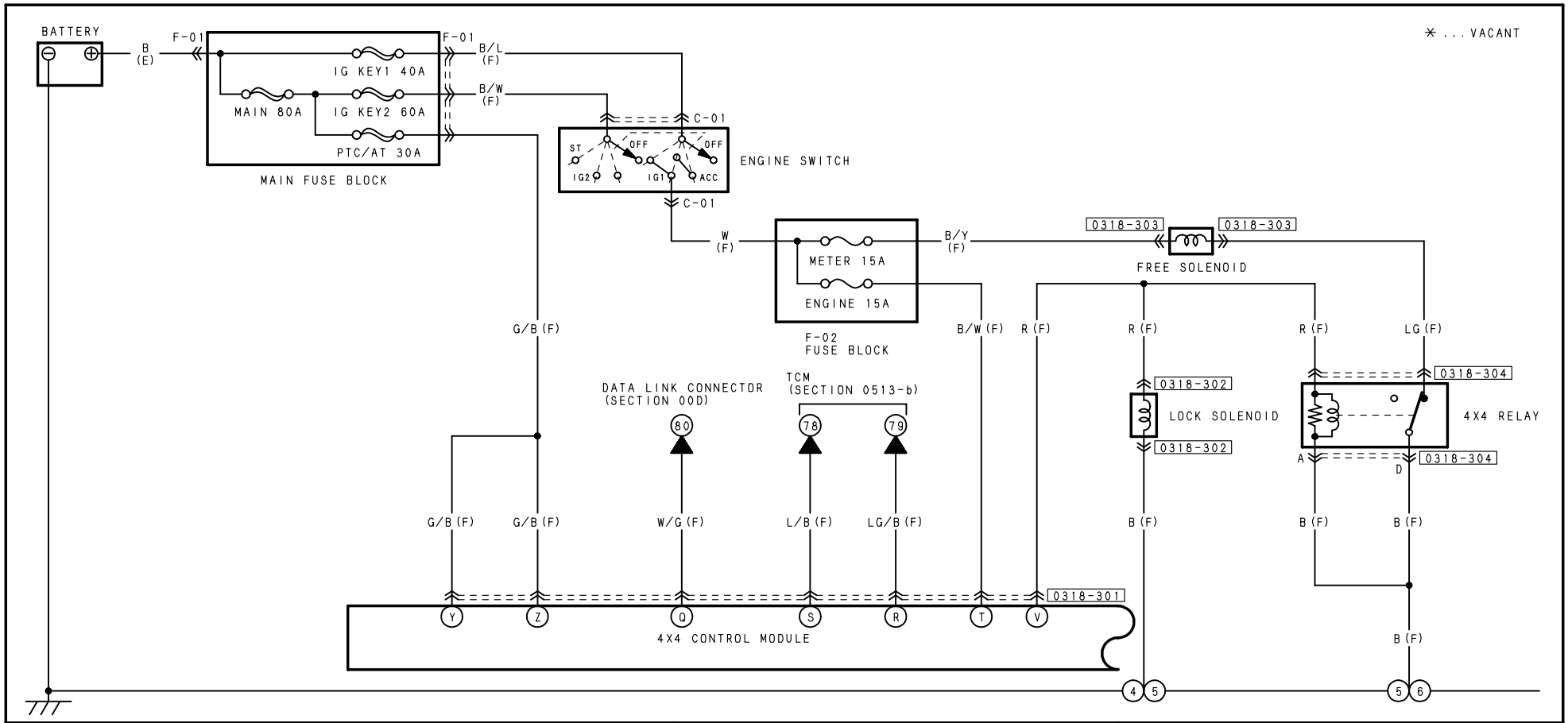


www.truck-freeworkshop.com

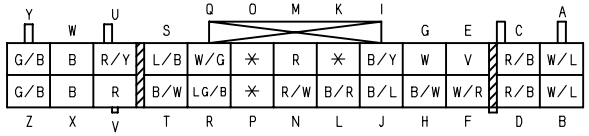
HARNESS SYMBOL: (F) (E) (R)



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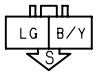
0318-301 4X4 CONTROL MODULE (F)



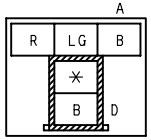
0318-302 LOCK SOLENOID (F)



0318-303 FREE SOLENOID (F)

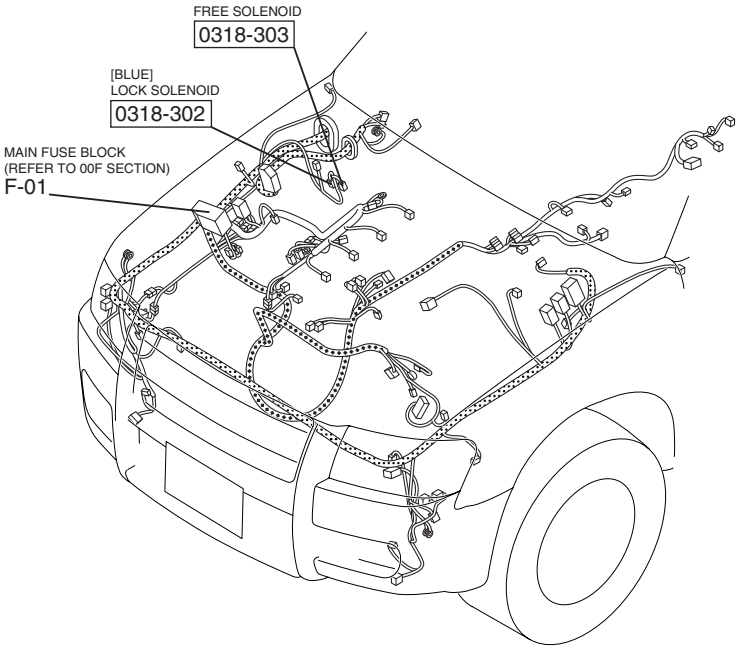


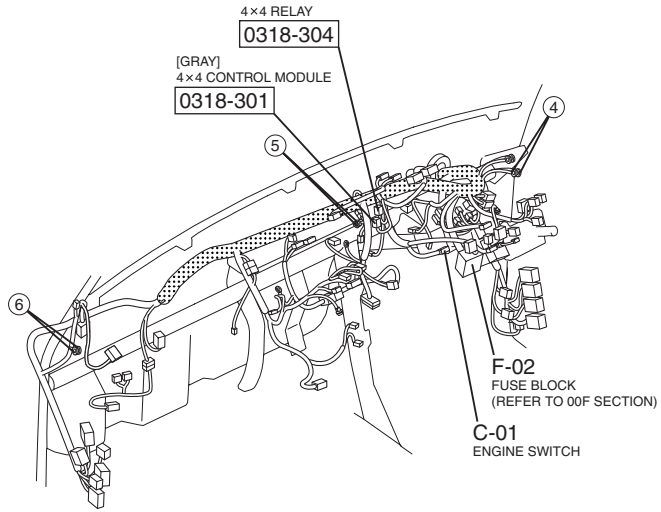
0318-304 4X4 RELAY (F)



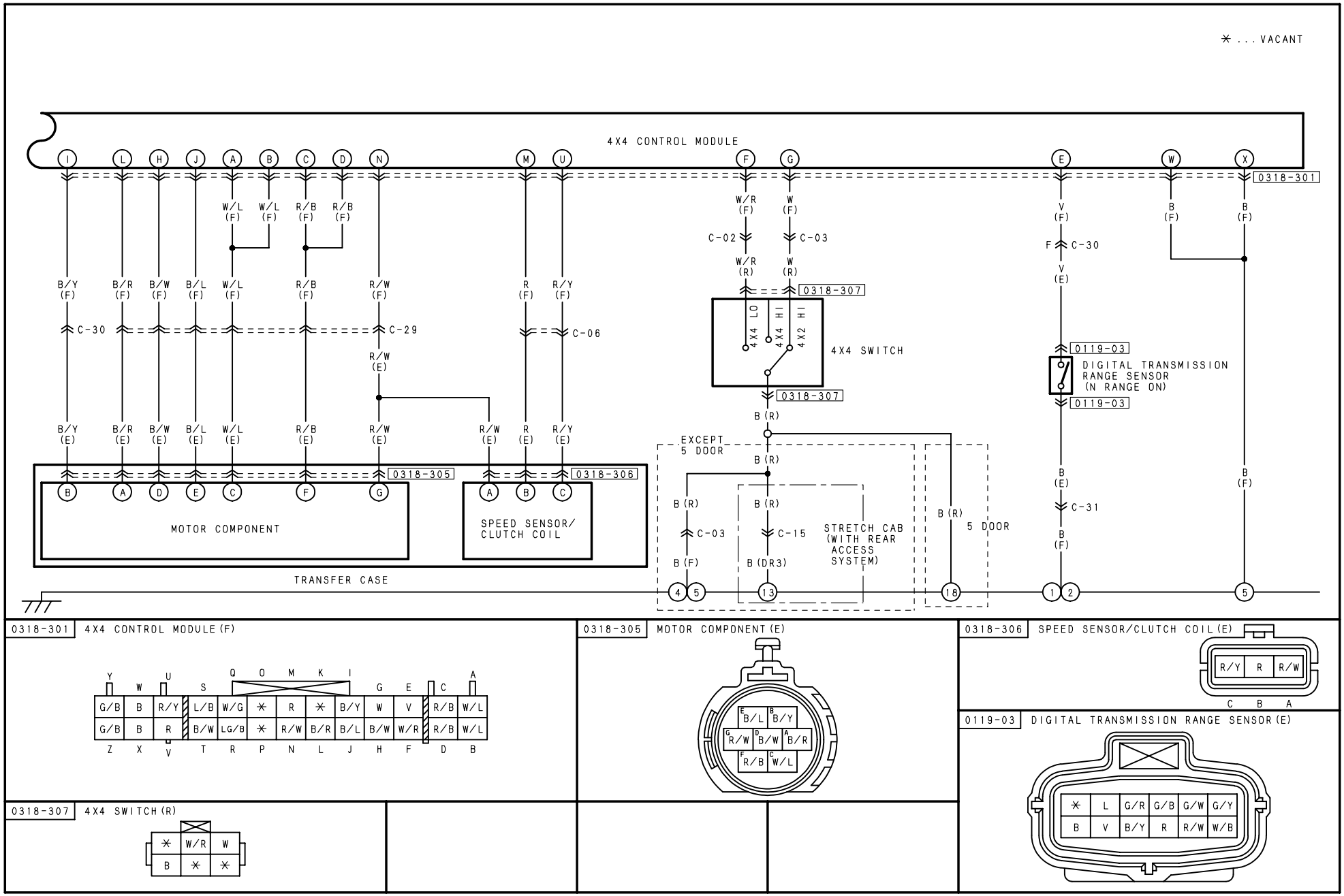
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HARNESS SYMBOL: (F) (E) (R)





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0318-301 4X4 CONTROL MODULE (F)

0318-305 MOTOR COMPONENT (E)

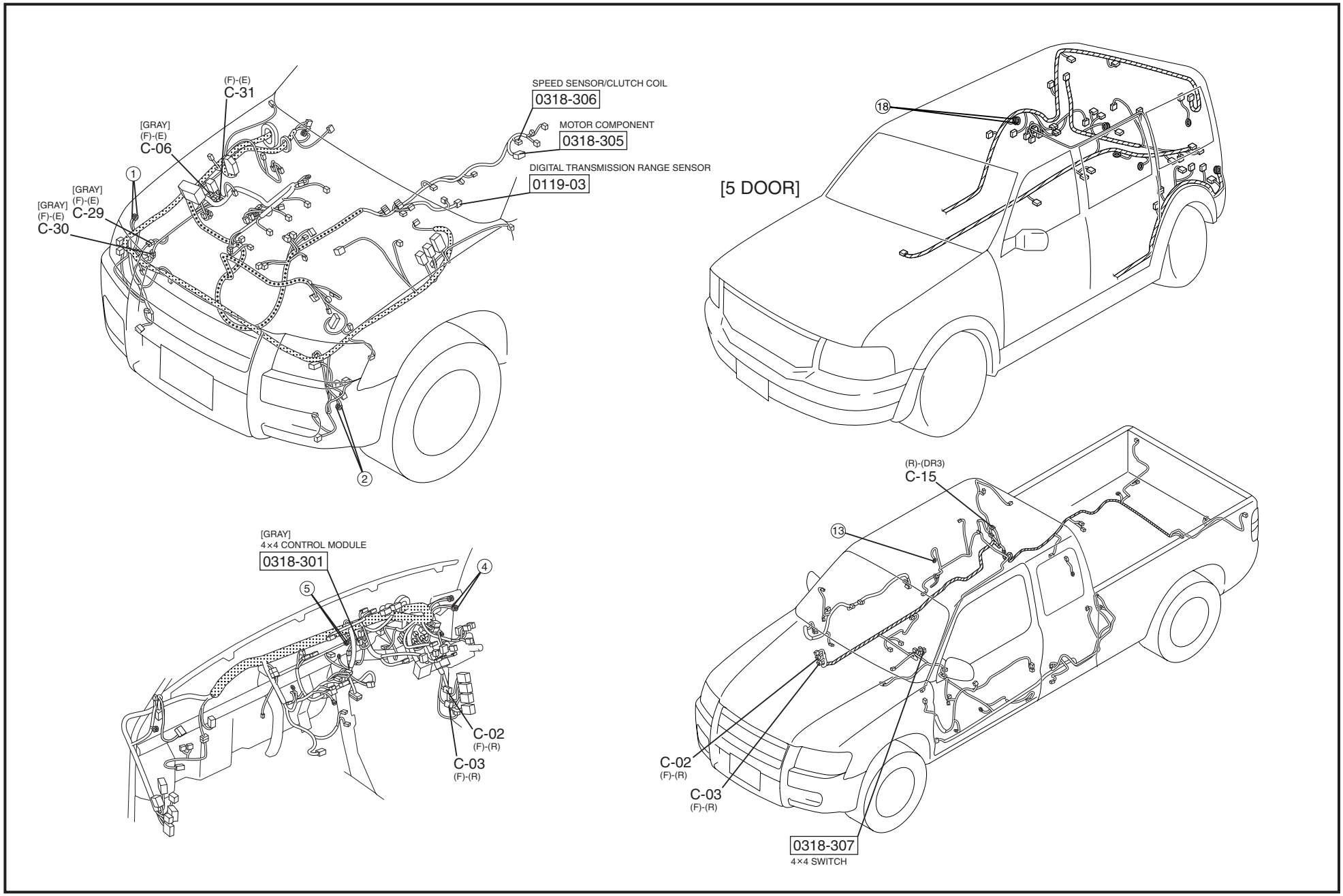
0318-306 SPEED SENSOR/CLUTCH COIL (E)

0119-03 DIGITAL TRANSMISSION RANGE SENSOR (E)

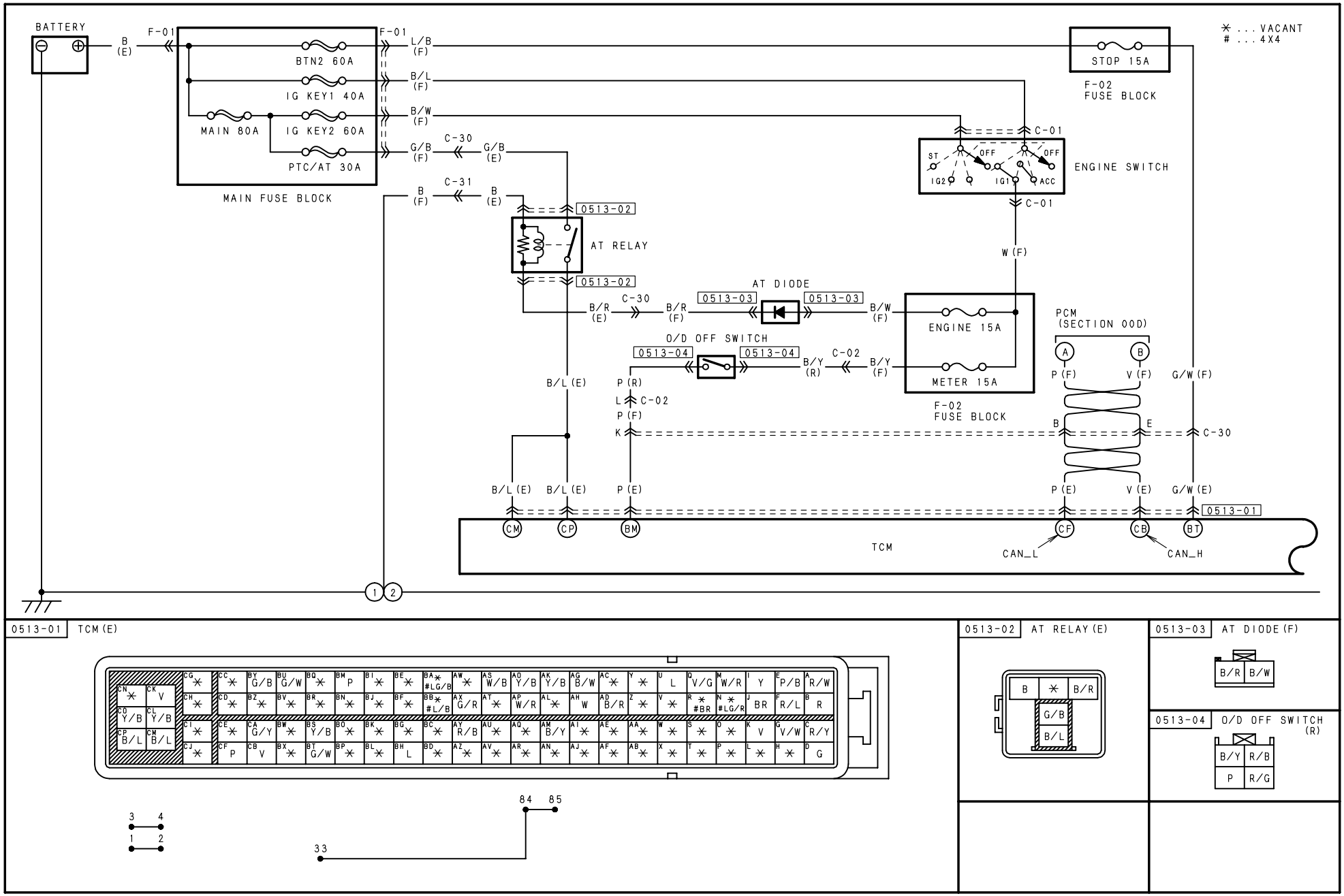
0318-307 4X4 SWITCH (R)

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HARNESS SYMBOL: (F) (E) (R)

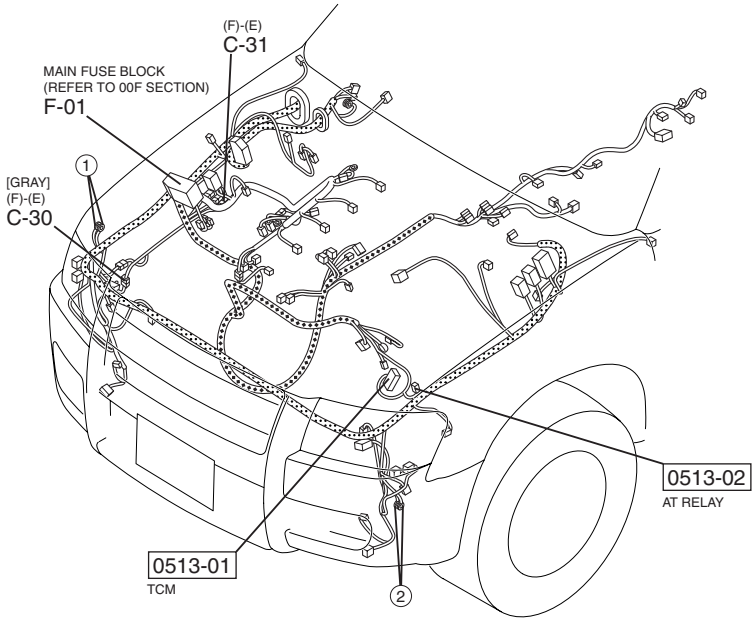


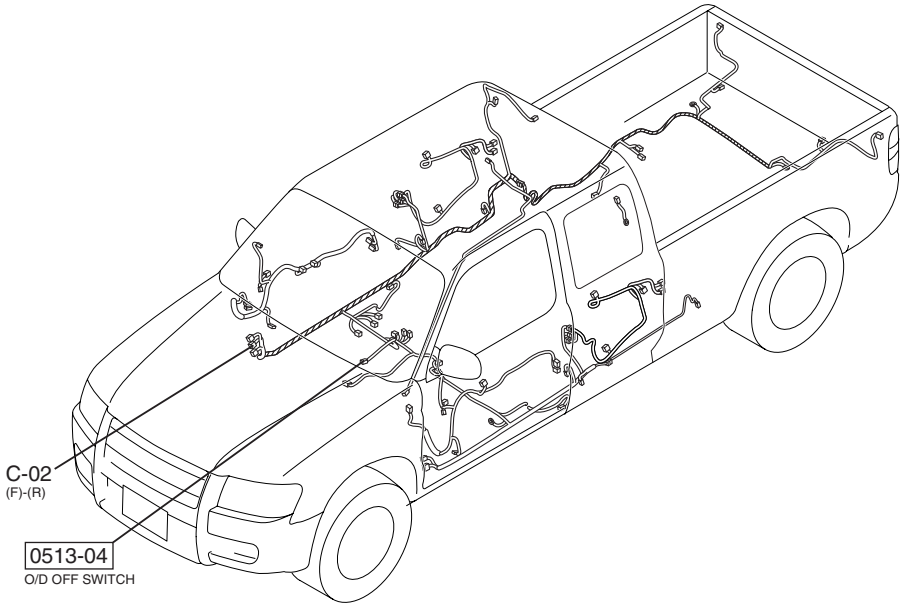
www.truck-freeworkshop.com

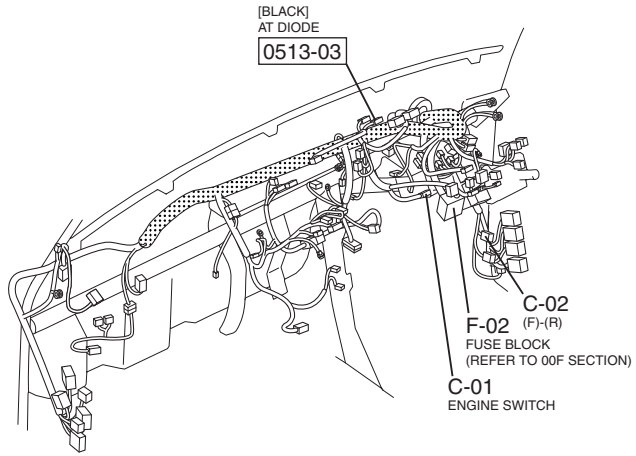


www.truck-freeworkshop.com

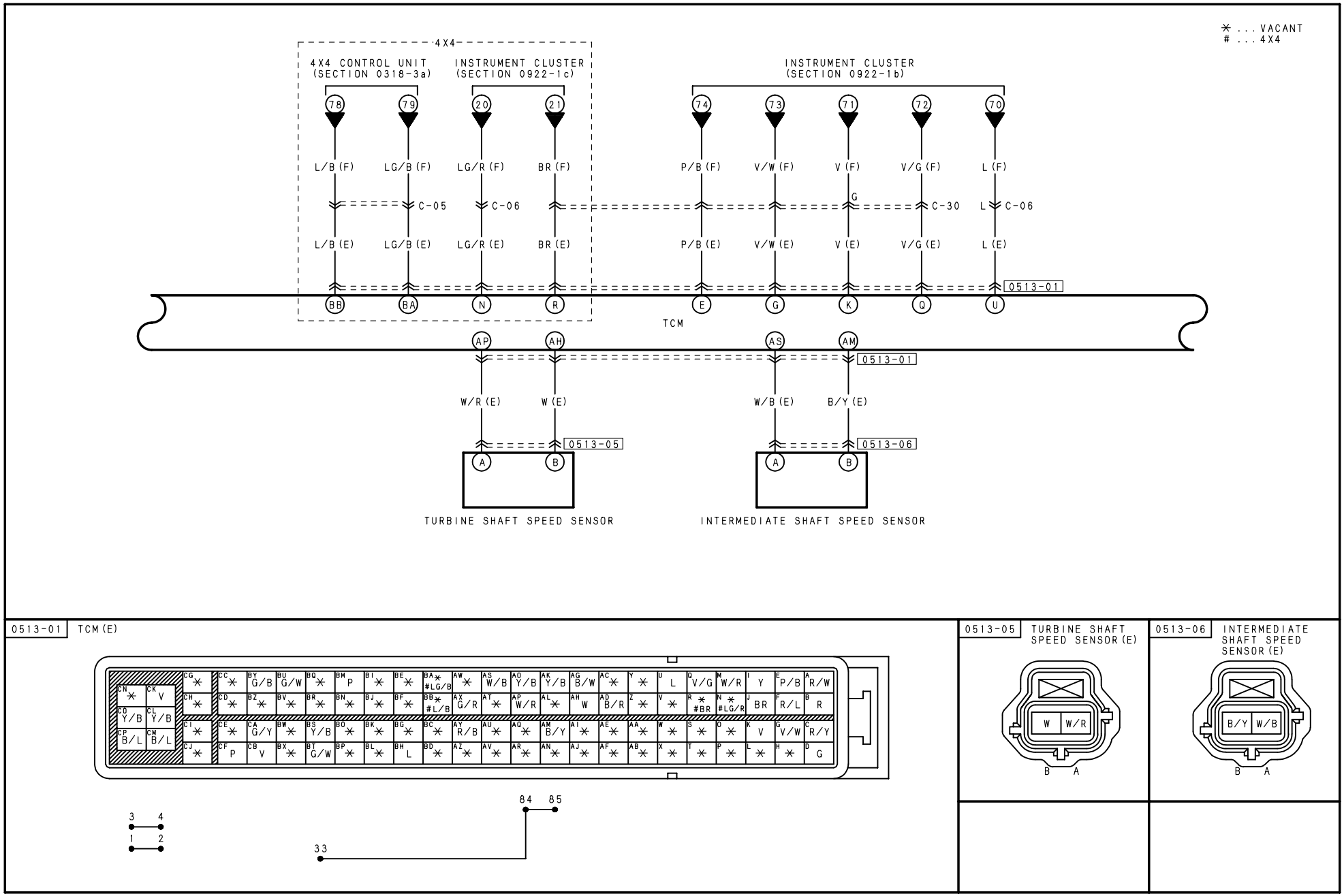
HARNESS SYMBOL: (F) (E) (R)







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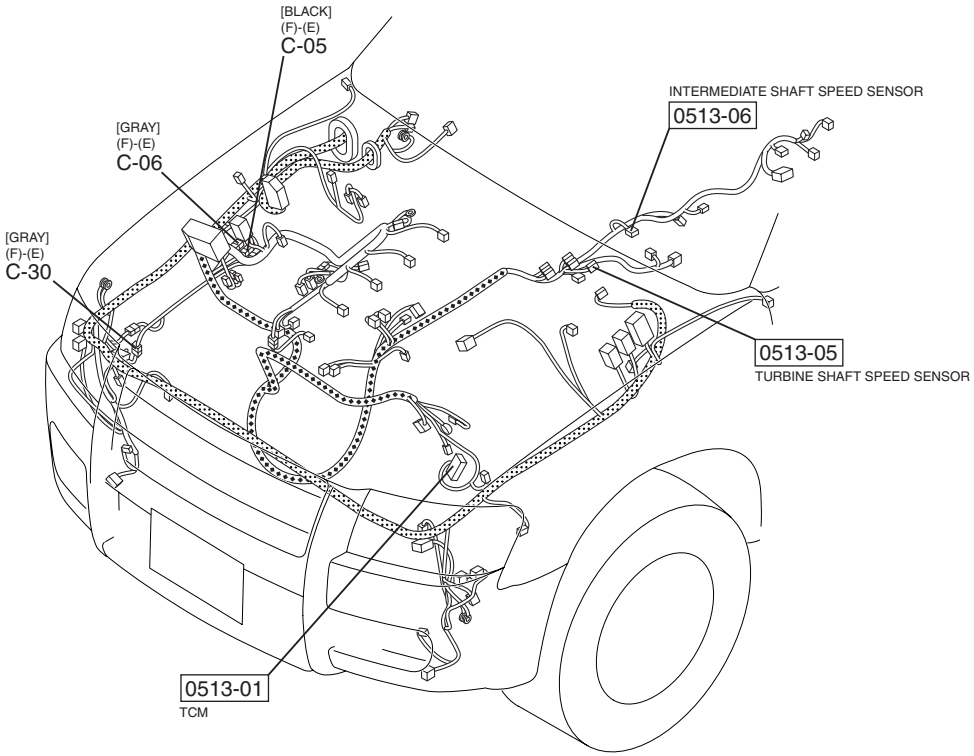
0513-01 TCM (E)

0513-05 TURBINE SHAFT SPEED SENSOR (E)

0513-06 INTERMEDIATE SHAFT SPEED SENSOR (E)

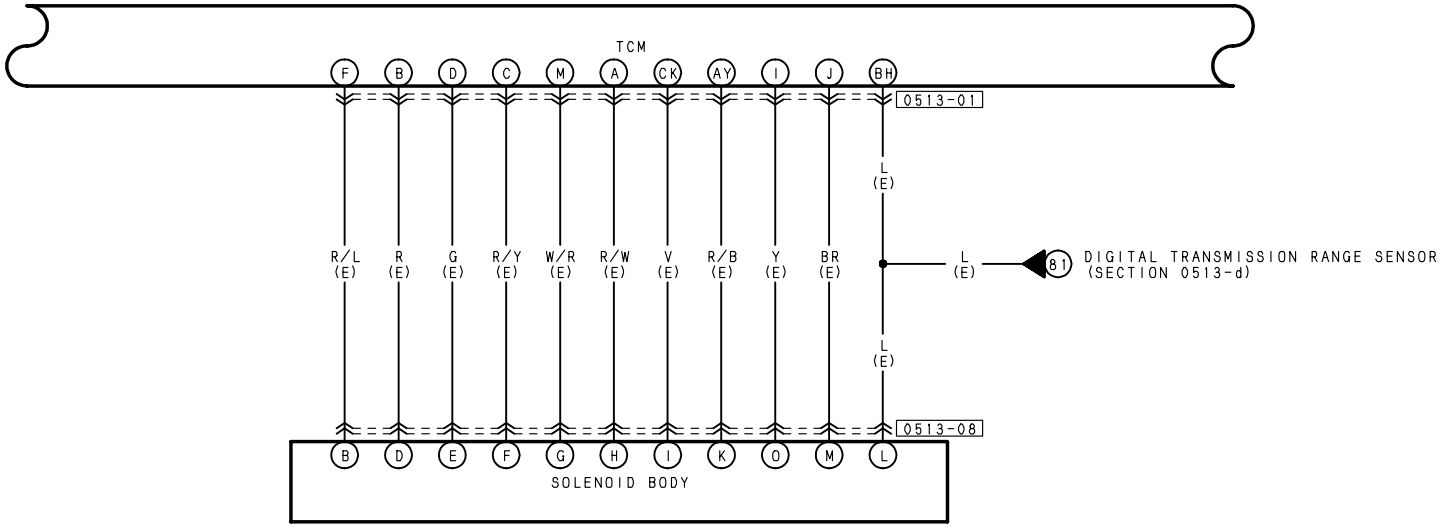
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

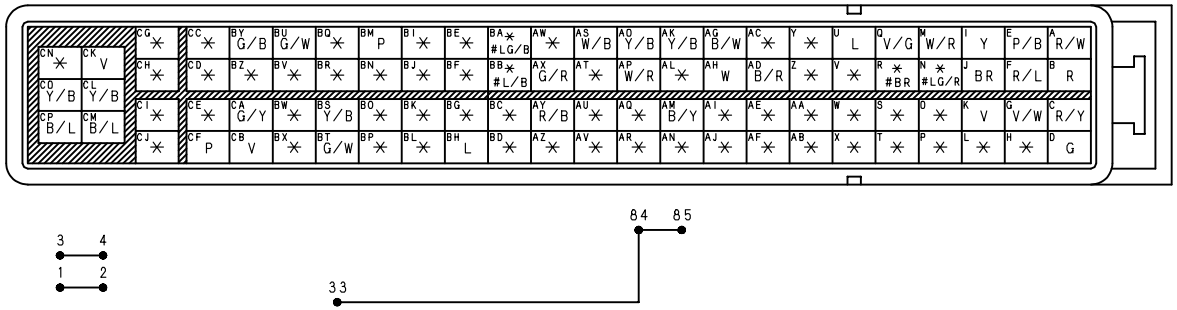


www.truck-freeworkshop.com

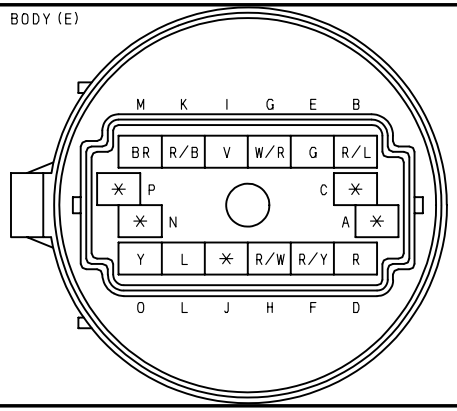
✳ . . . VACANT
. . . 4X4



0513-01 TCM (E)

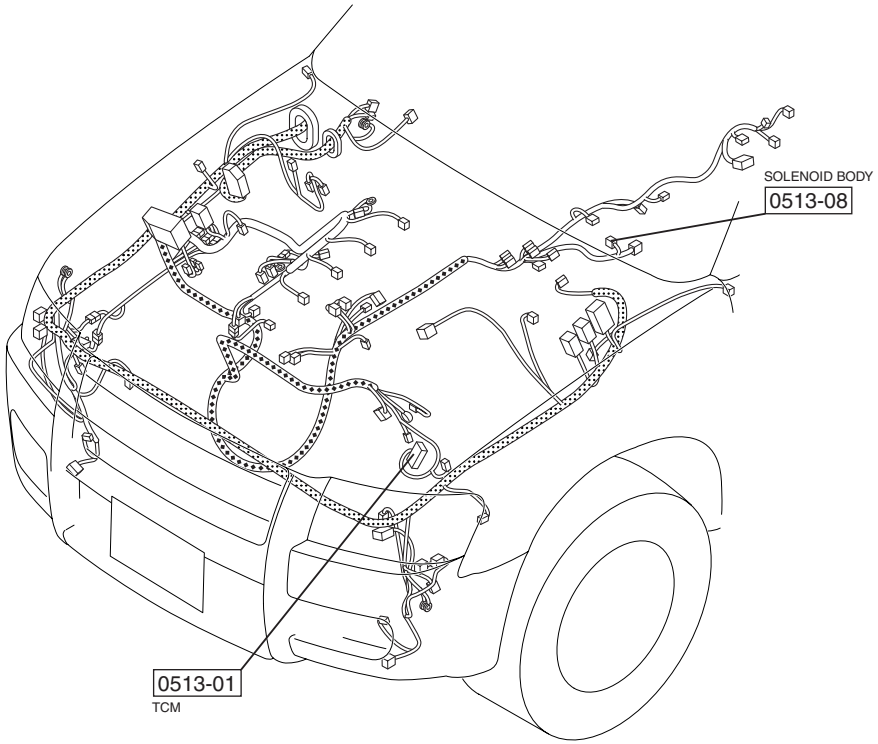


0513-08 SOLENOID BODY (E)

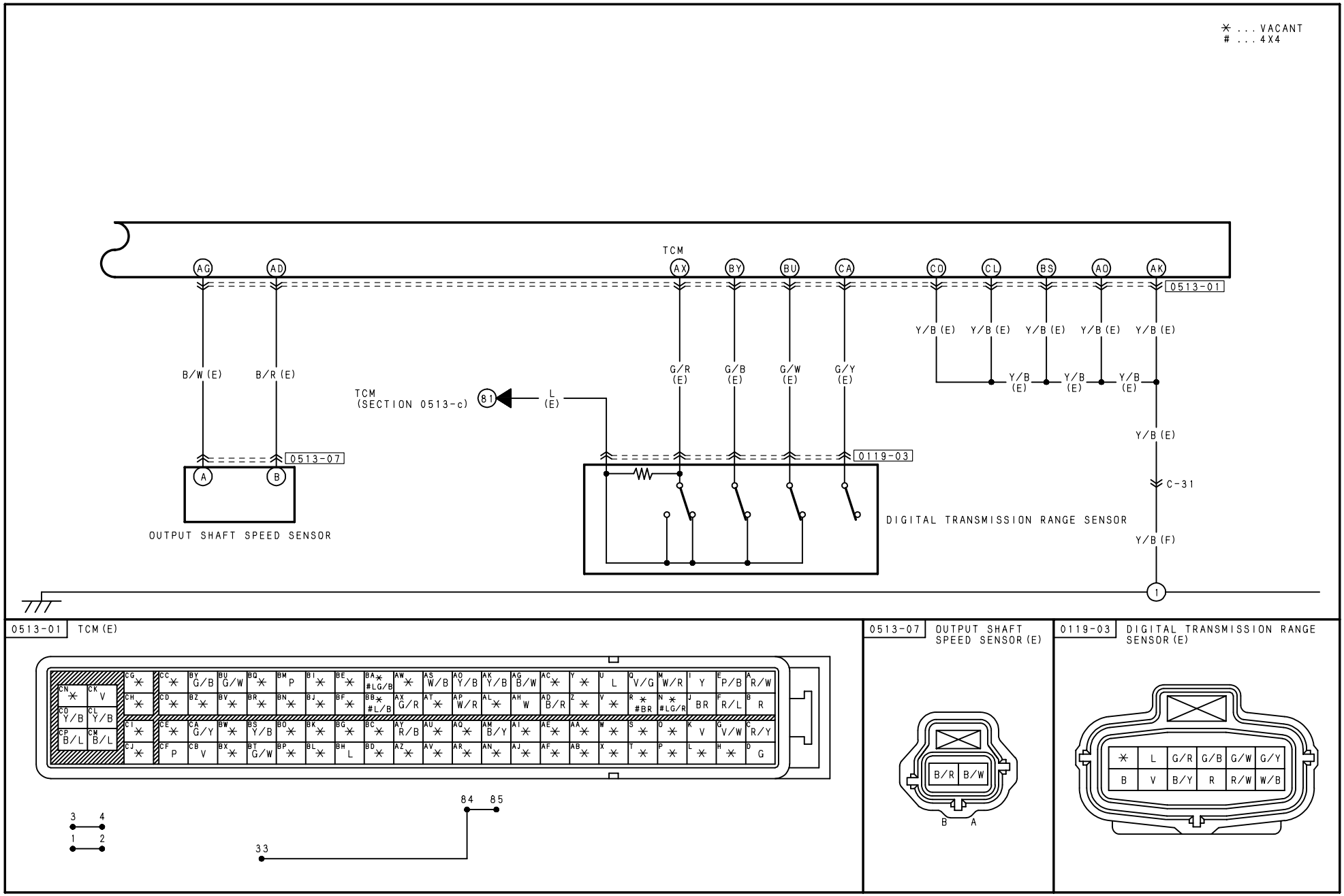


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HARNESS SYMBOL: (F) (E) (R)

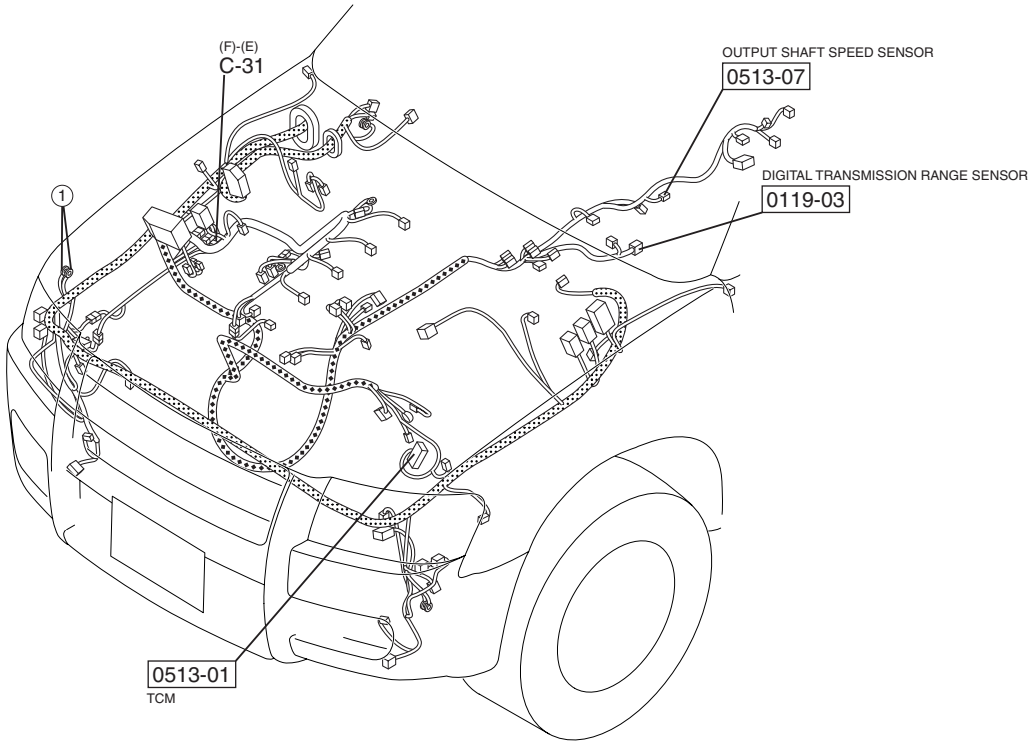


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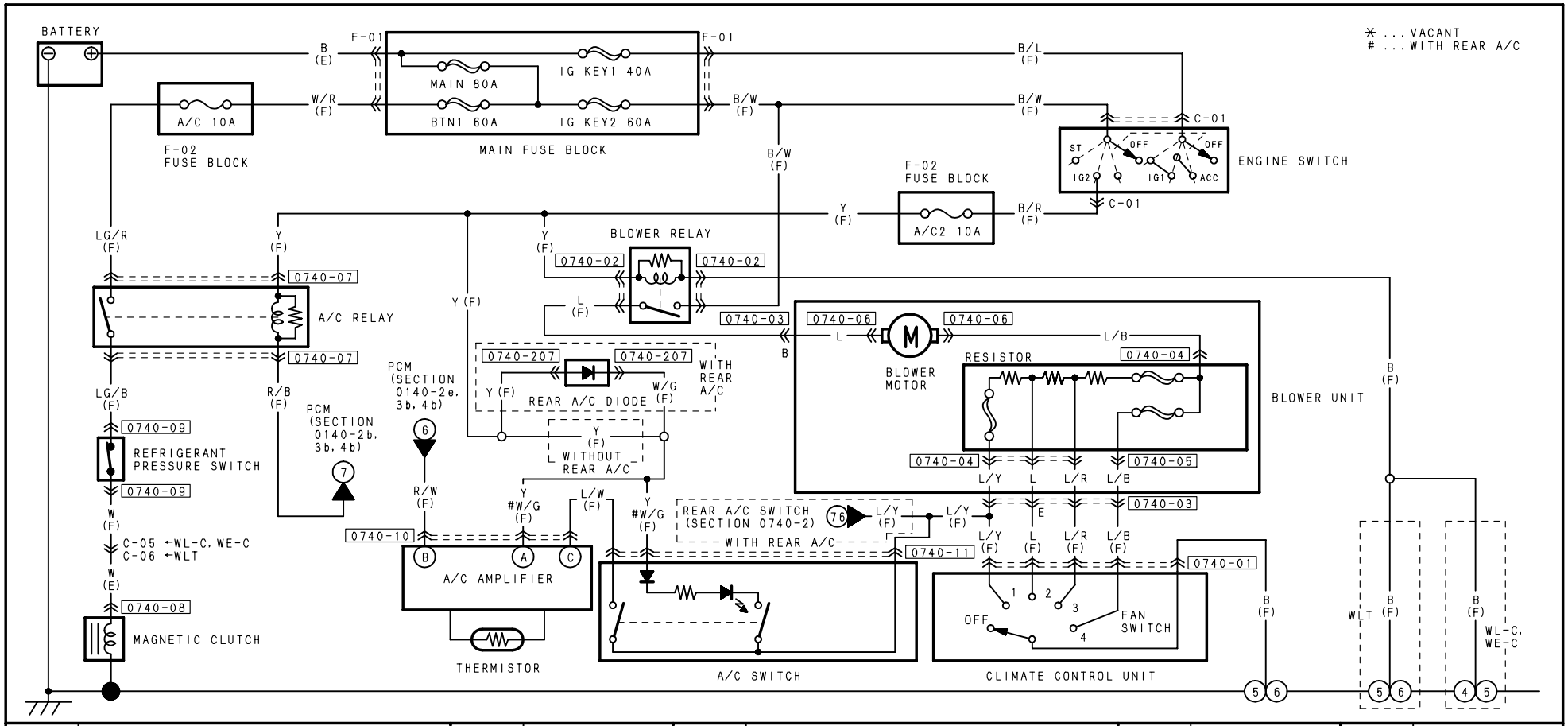


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HARNESS SYMBOL: (F) (E) (R)



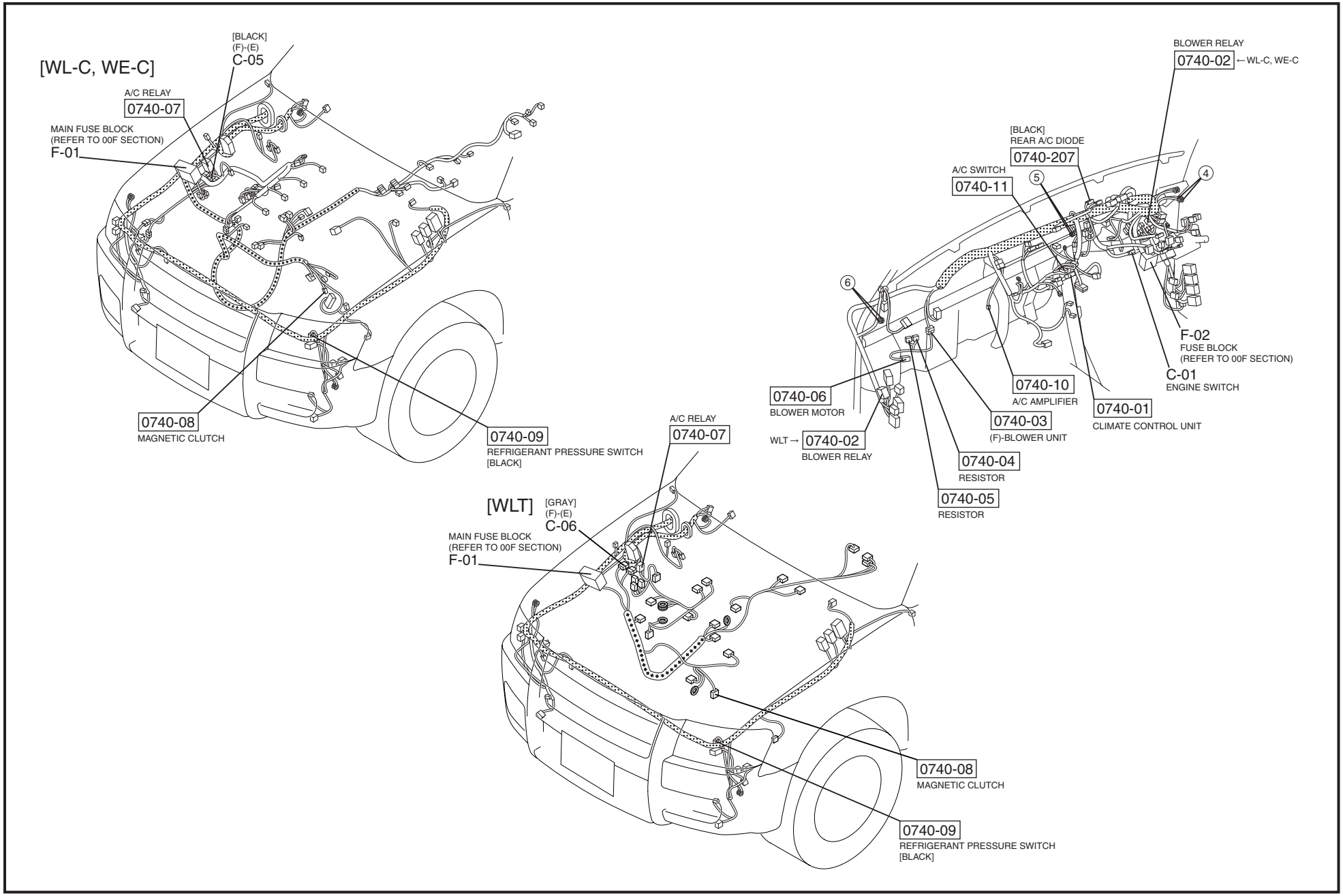
www.truck-freeworkshop.com



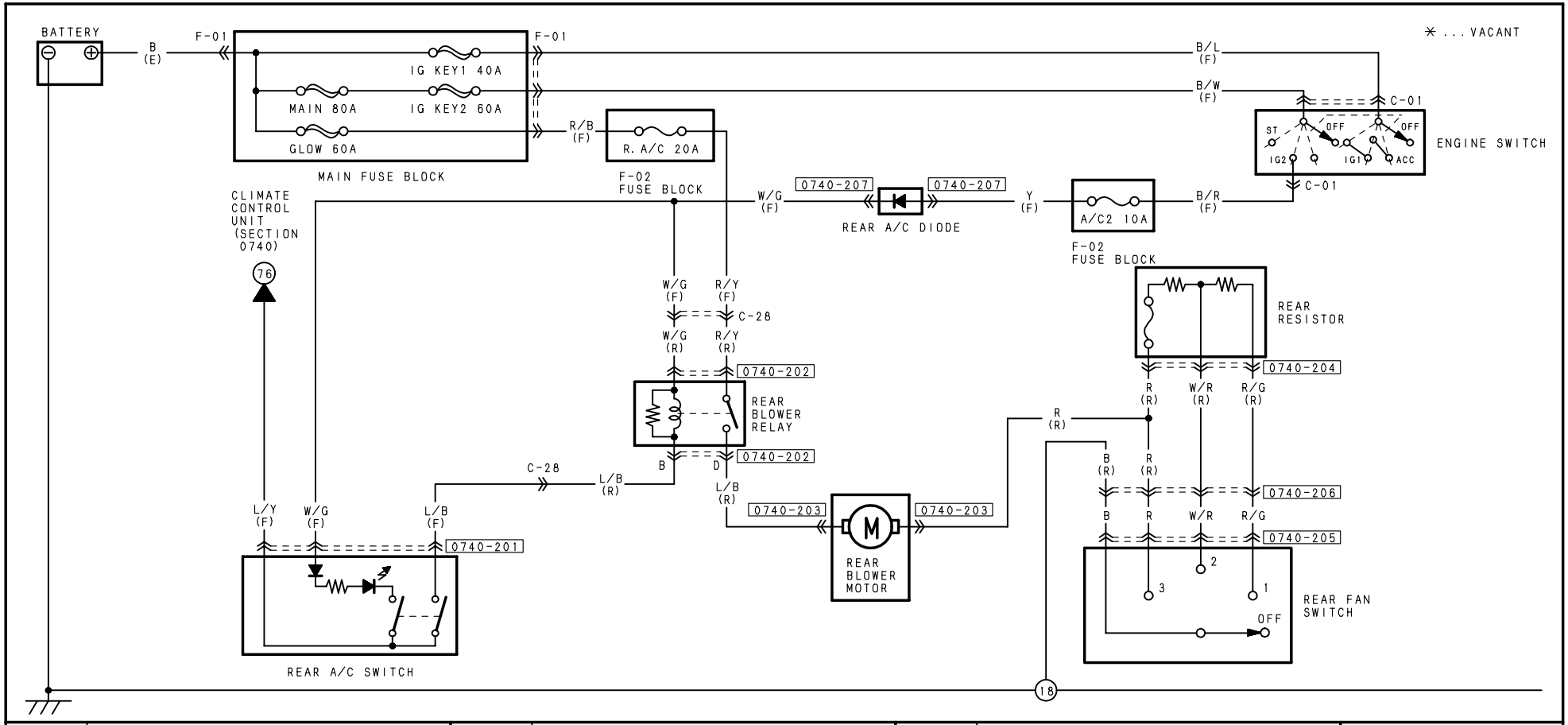
0740-01 CLIMATE CONTROL UNIT (F)	0740-02 BLOWER RELAY (F)	0740-03 FRONT (F) - BLOWER UNIT		0740-04 RESISTOR (SHORT CORD)	0740-05 RESISTOR (SHORT CORD)
		(F)	(BLOWER UNIT)		
0740-06 BLOWER MOTOR (SHORT CORD)	0740-07 A/C RELAY (F)	0740-08 MAGNETIC CLUTCH (E)	0740-09 REFRIGERANT PRESSURE SWITCH (F)	0740-10 A/C AMPLIFIER (F)	0740-11 A/C SWITCH (F)
0740-207 REAR A/C DIODE (F)					

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HARNESS SYMBOL: (F) (E) (R)



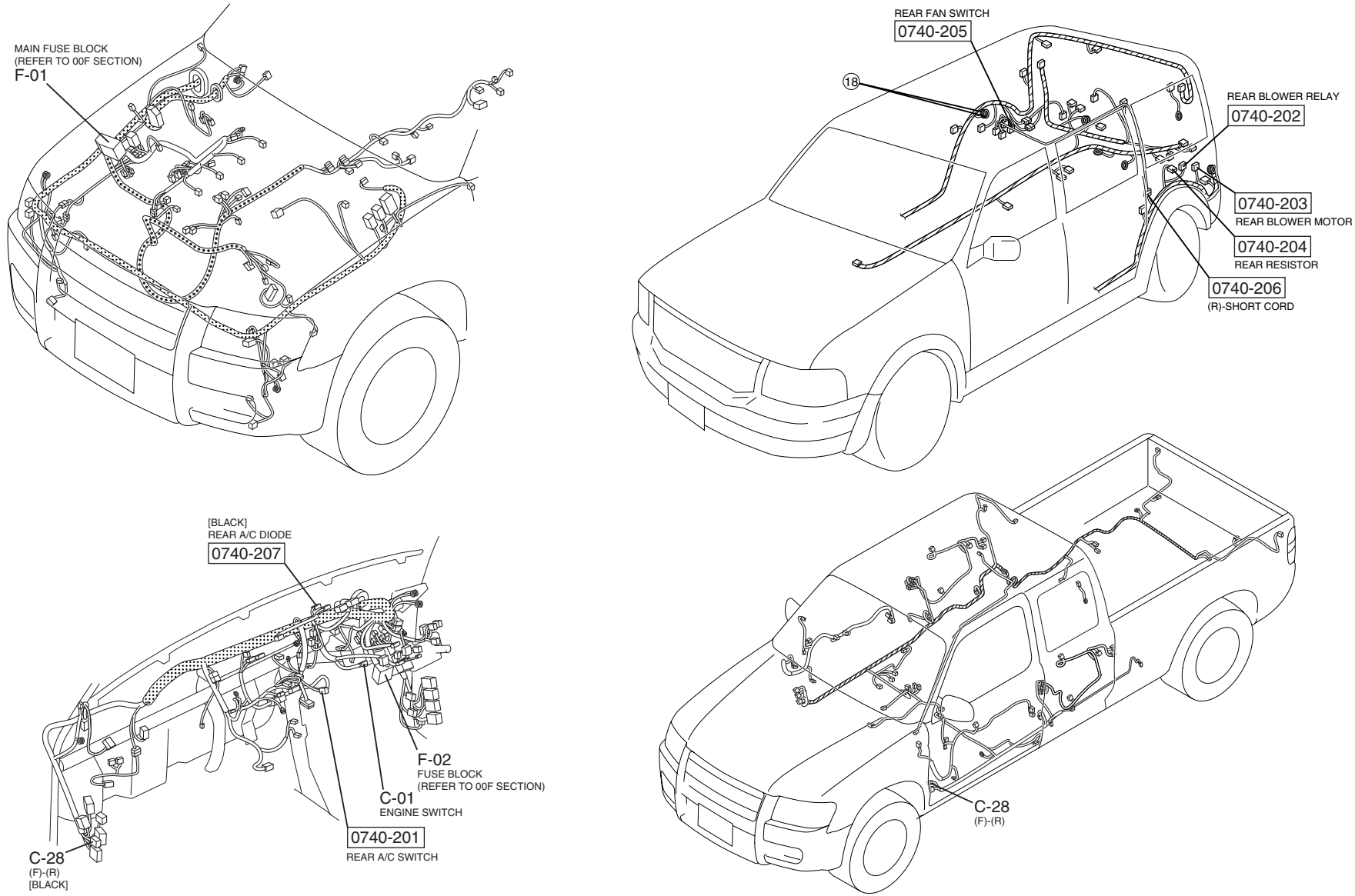
www.truck-freeworkshop.com



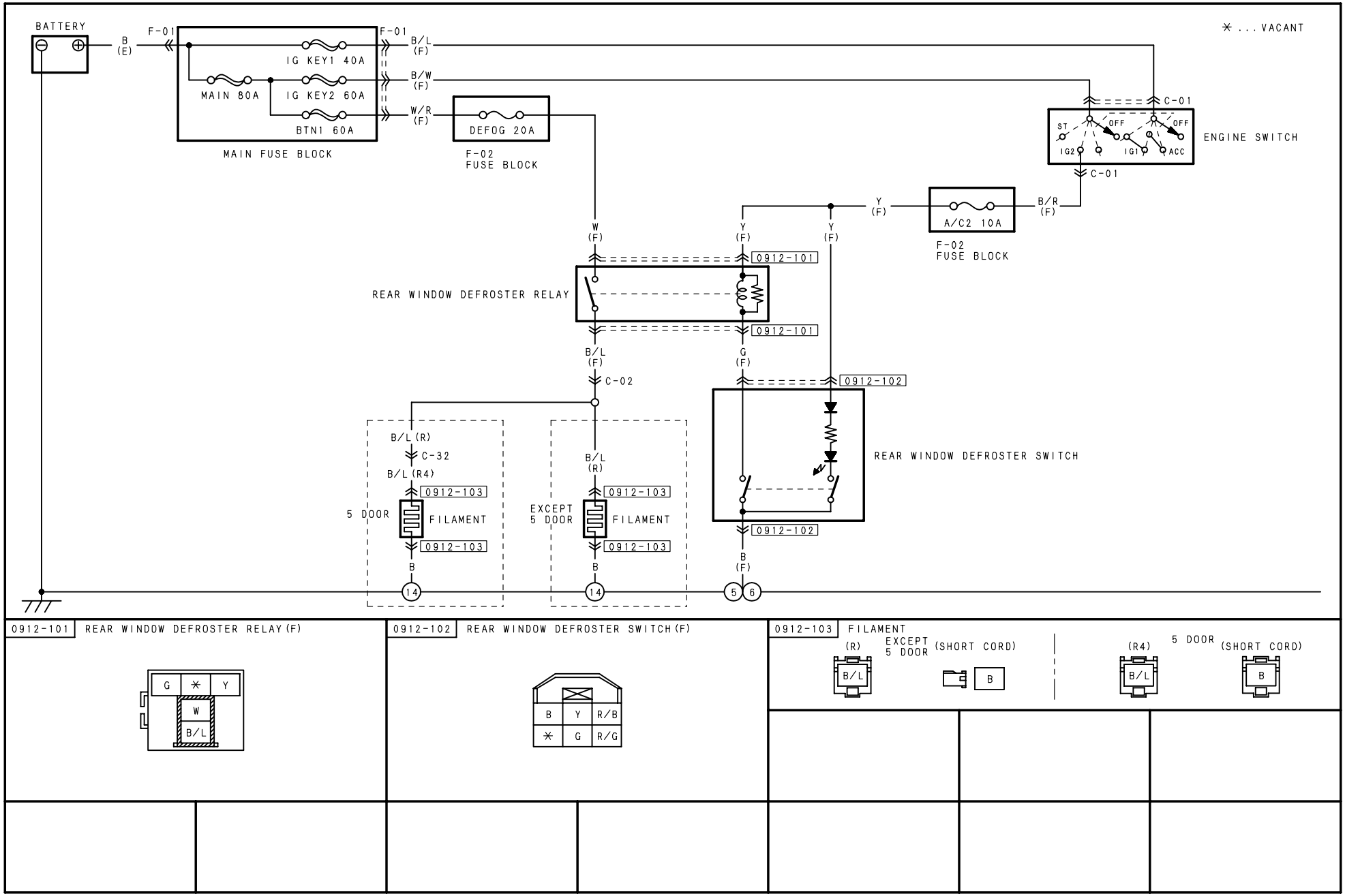
0740-201 REAR A/C SWITCH (F)	0740-202 REAR BLOWER RELAY (R)	0740-203 REAR BLOWER MOTOR (R)	
0740-204 REAR RESISTOR (R)	0740-205 REAR FAN SWITCH (SHORT CORD)	0740-206 REAR (R) -SHORT CORD	
0740-207 REAR A/C DIODE (F)			

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HARNESS SYMBOL: (F) (E) (R)



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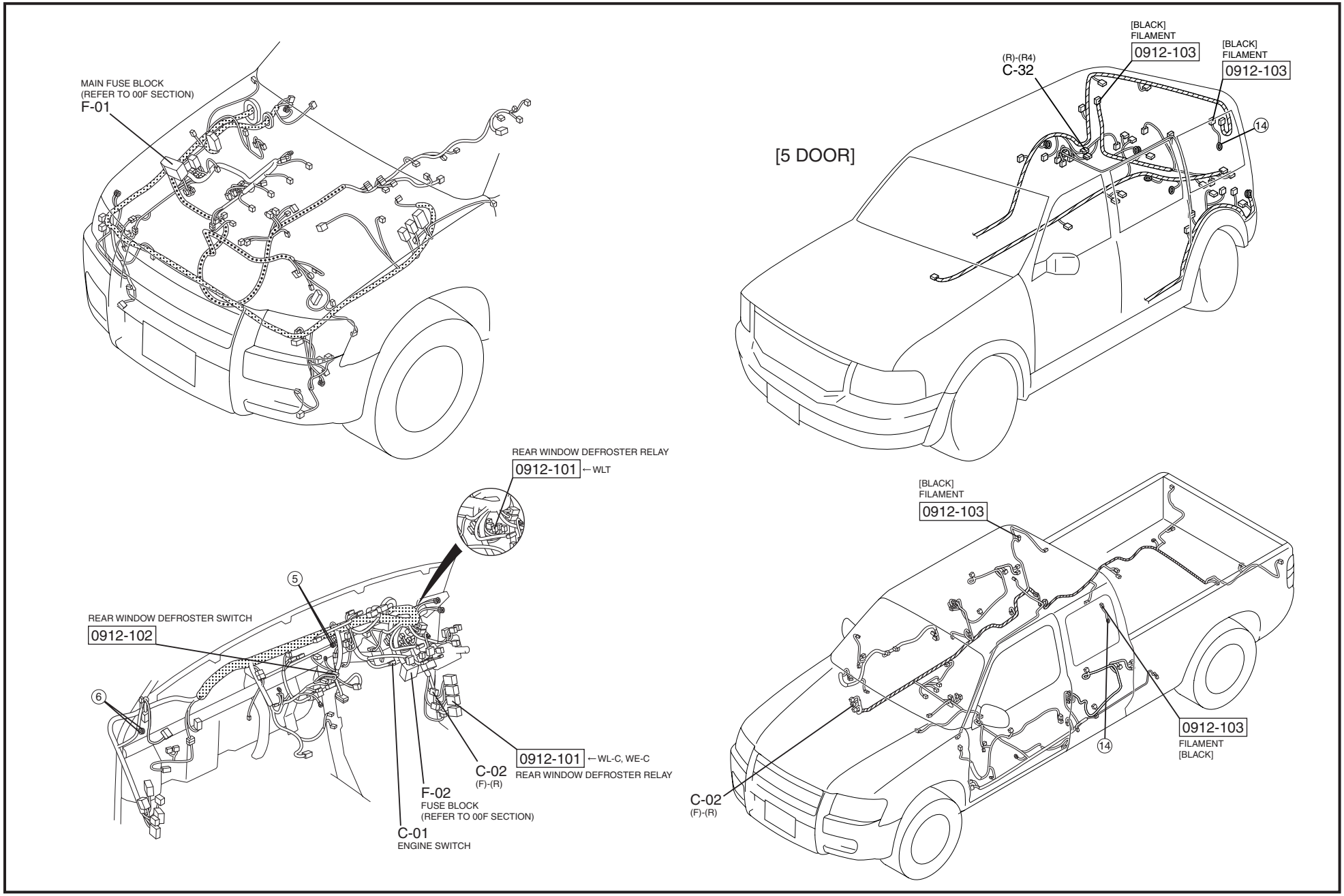
0912-101 REAR WINDOW DEFROSTER RELAY (F)

0912-102 REAR WINDOW DEFROSTER SWITCH (F)

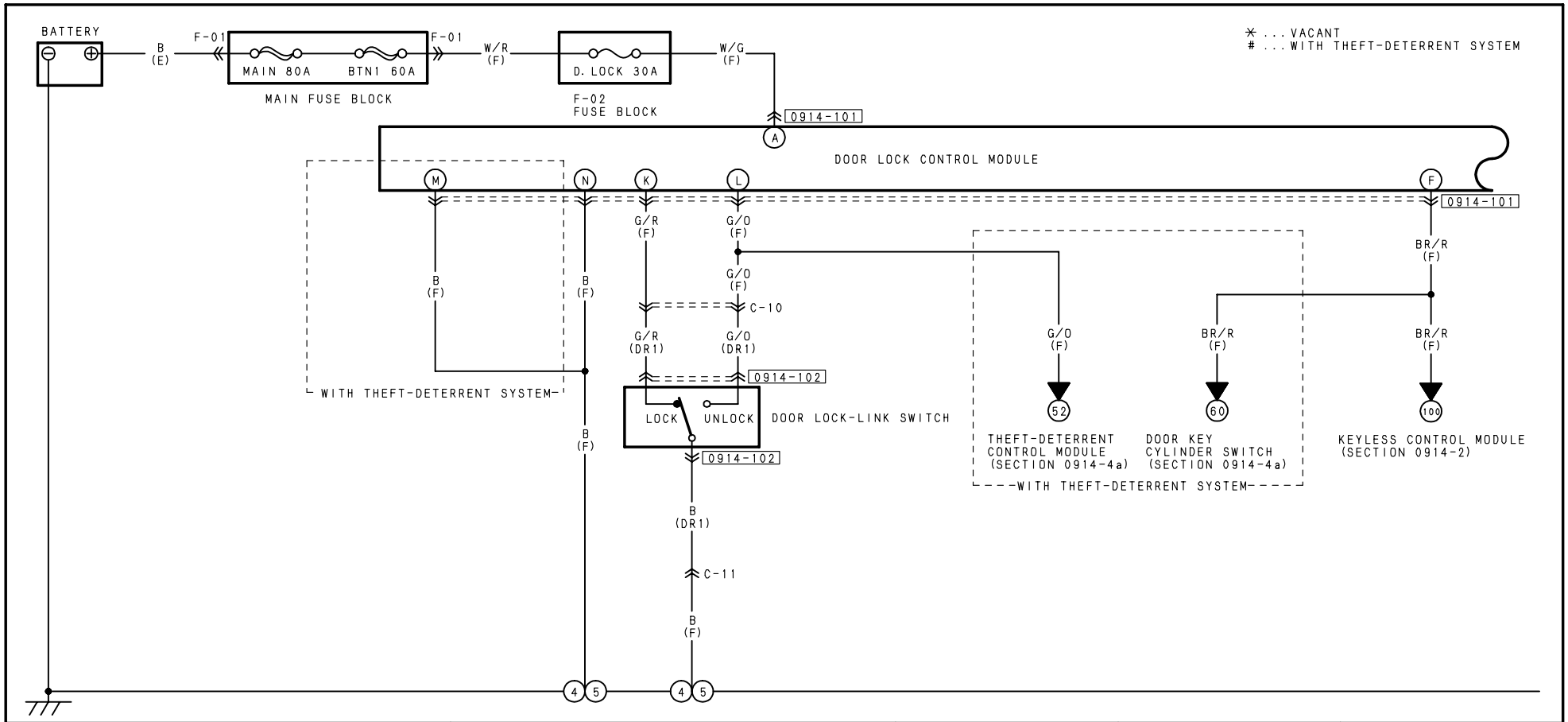
0912-103 FILAMENT

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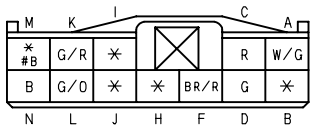
HARNESS SYMBOL: (F) (E) (R)



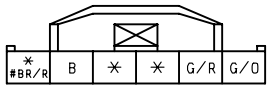
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0914-101 DOOR LOCK CONTROL MODULE (F)

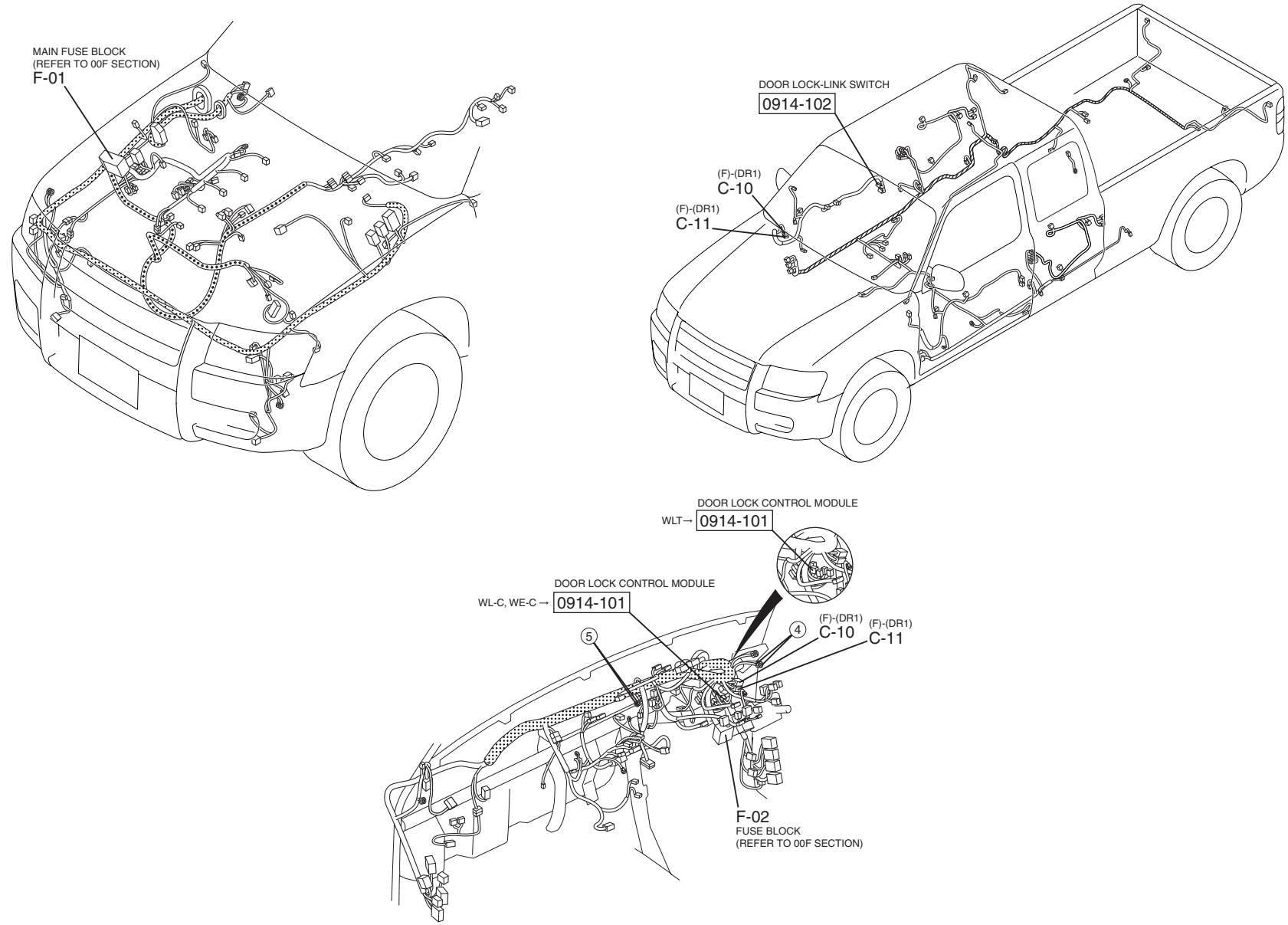


0914-102 DOOR LOCK-LINK SWITCH (DR1)

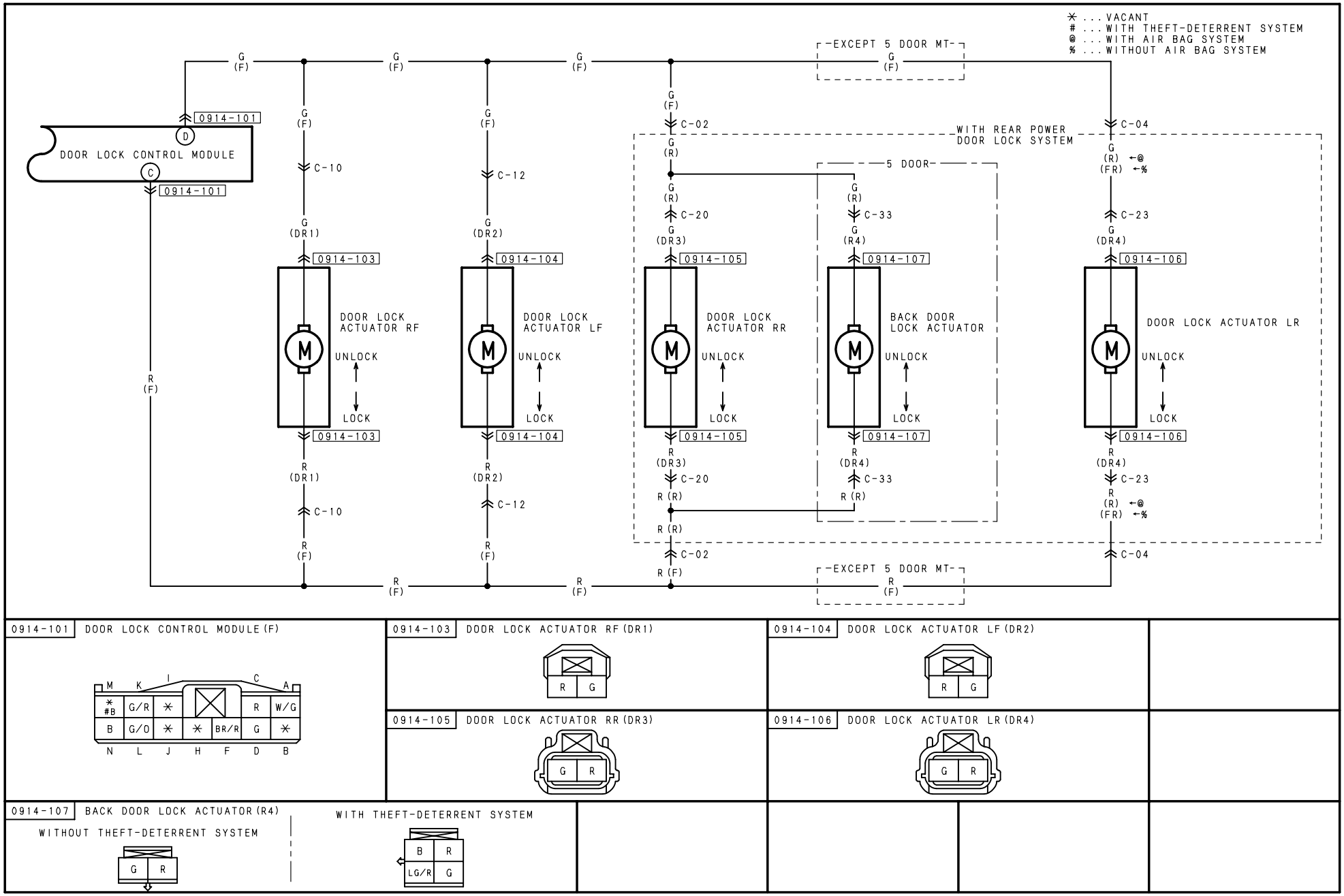


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HARNESS SYMBOL: (F) (E) (R)



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0914-101 DOOR LOCK CONTROL MODULE (F)

0914-103 DOOR LOCK ACTUATOR RF (DR1)

0914-104 DOOR LOCK ACTUATOR LF (DR2)

0914-105 DOOR LOCK ACTUATOR RR (DR3)

0914-106 DOOR LOCK ACTUATOR LR (DR4)

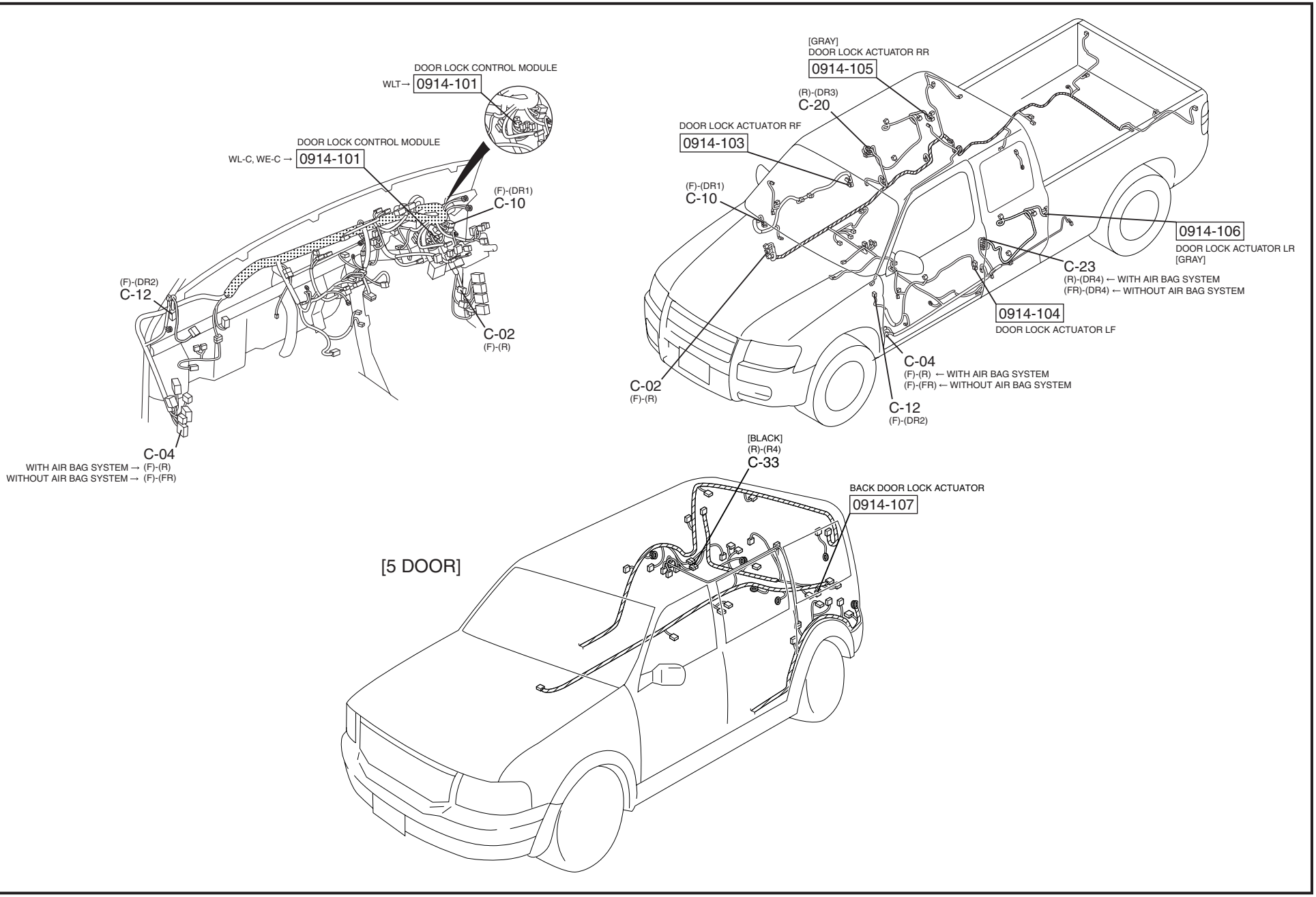
0914-107 BACK DOOR LOCK ACTUATOR (R4)

WITHOUT THEFT-DETERRENT SYSTEM

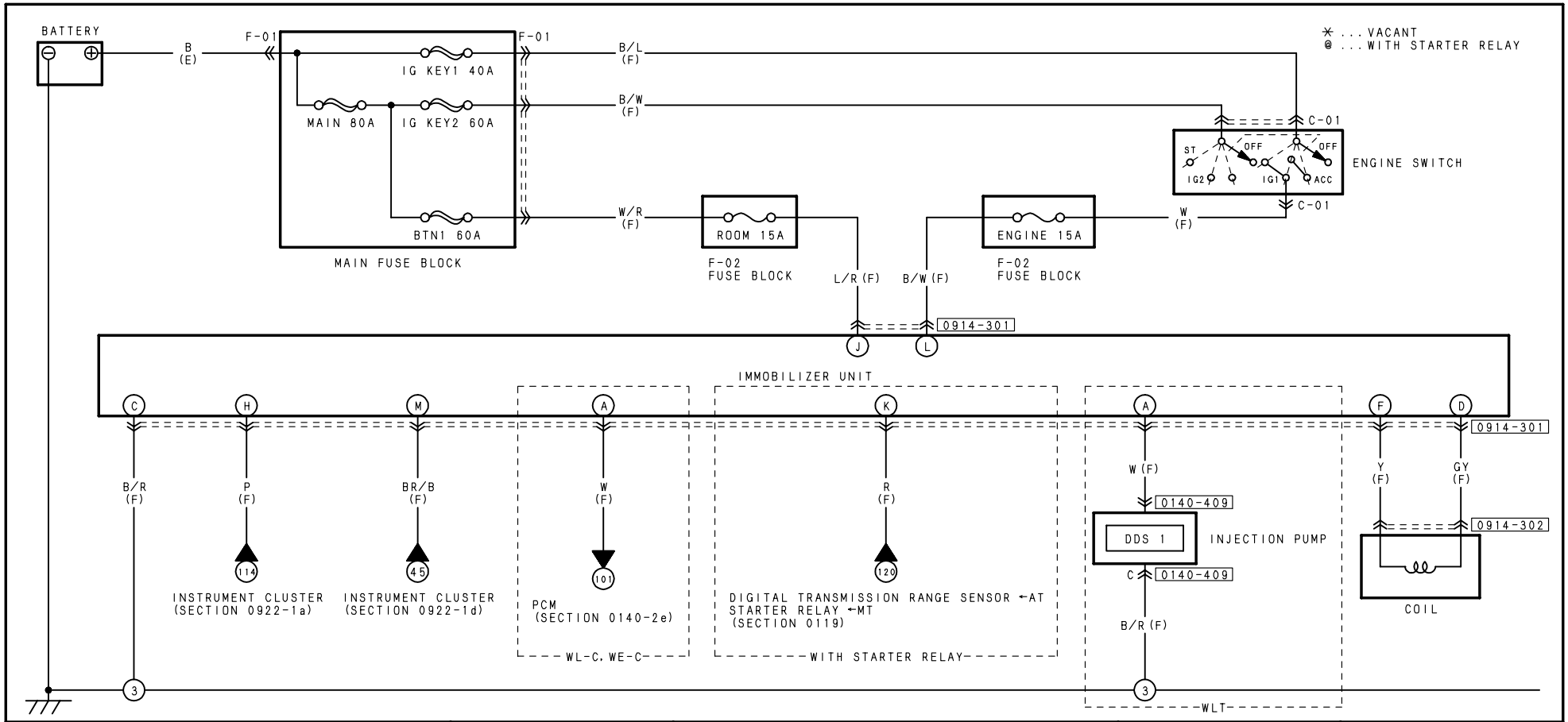
WITH THEFT-DETERRENT SYSTEM

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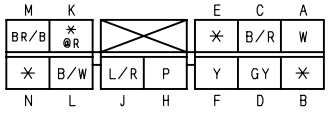
HARNESS SYMBOL: (F) (E) (R)



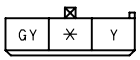
www.truck-freeworkshop.com



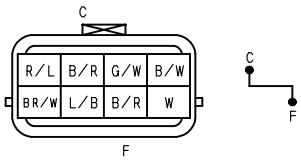
0914-301 IMMOBILIZER UNIT (F)



0914-302 COIL (F)

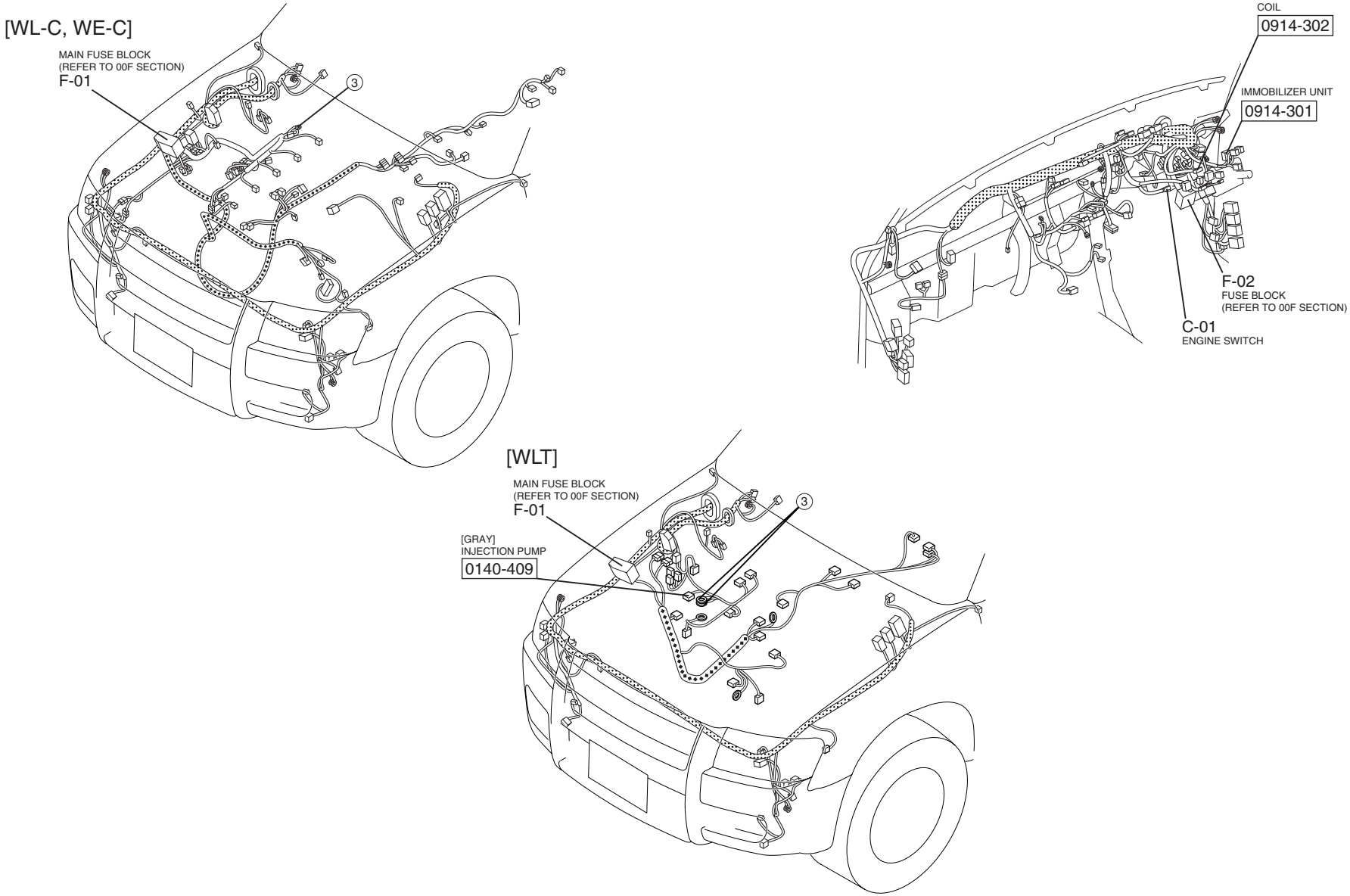


0140-409 INJECTION PUMP (F)

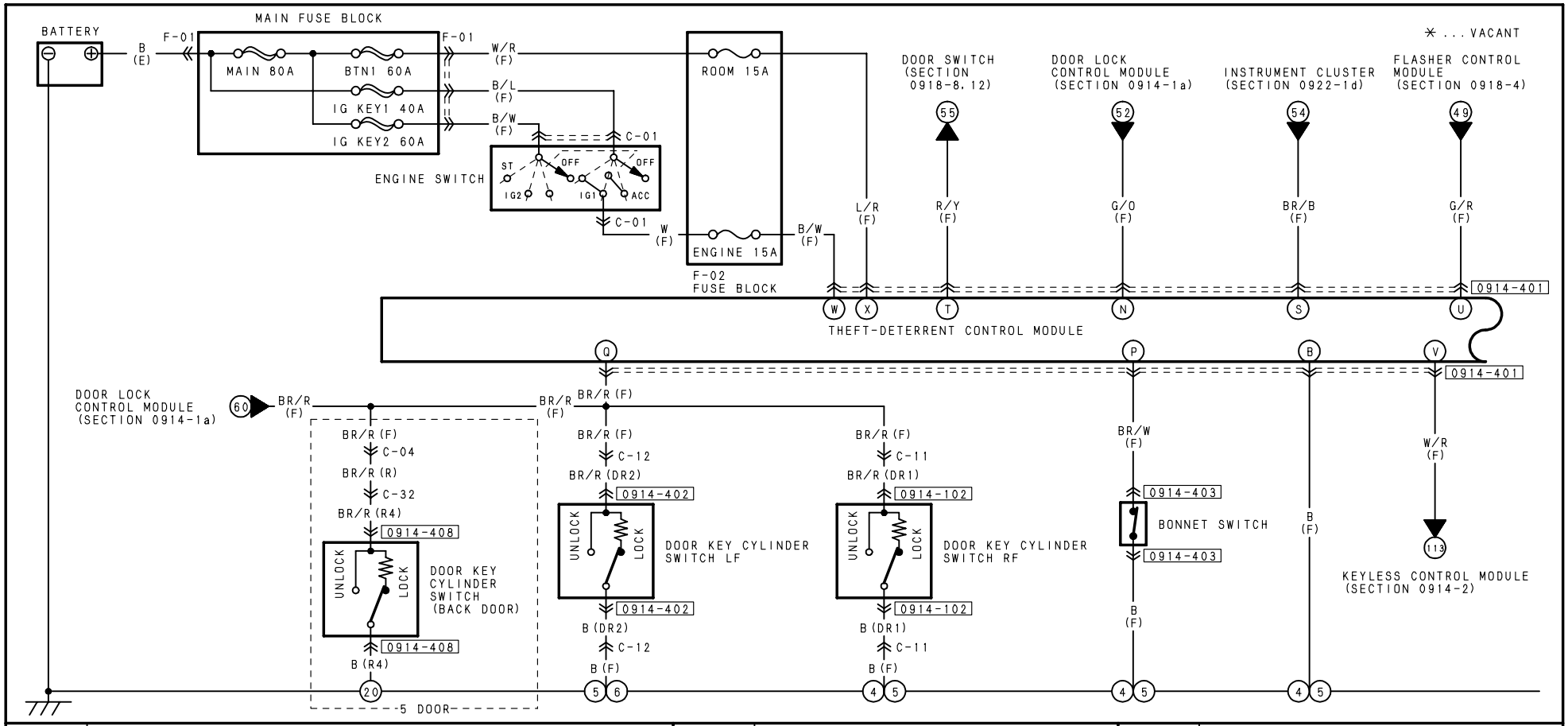


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HARNESS SYMBOL: (F) (E) (R)



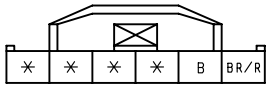
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0914-401 THEFT-DETERRENT CONTROL MODULE (F)

	Q	O	M	K	I	G						
W	U	S							E	C	A	
B/W	G/R	BR/B	BR/R	LG/R	*	*	*	*	P/L	*	*	
L/R	W/R	R/Y	*	BR/W	G/O	*	*	*	P	*	B	
X	V	T	R	P	N	L	J	H	F	D	B	

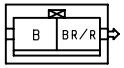
0914-402 DOOR KEY CYLINDER SWITCH LF (DR2)



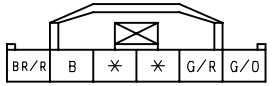
0914-403 BONNET SWITCH (F)



0914-408 DOOR KEY CYLINDER SWITCH (BACK DOOR) (R4)

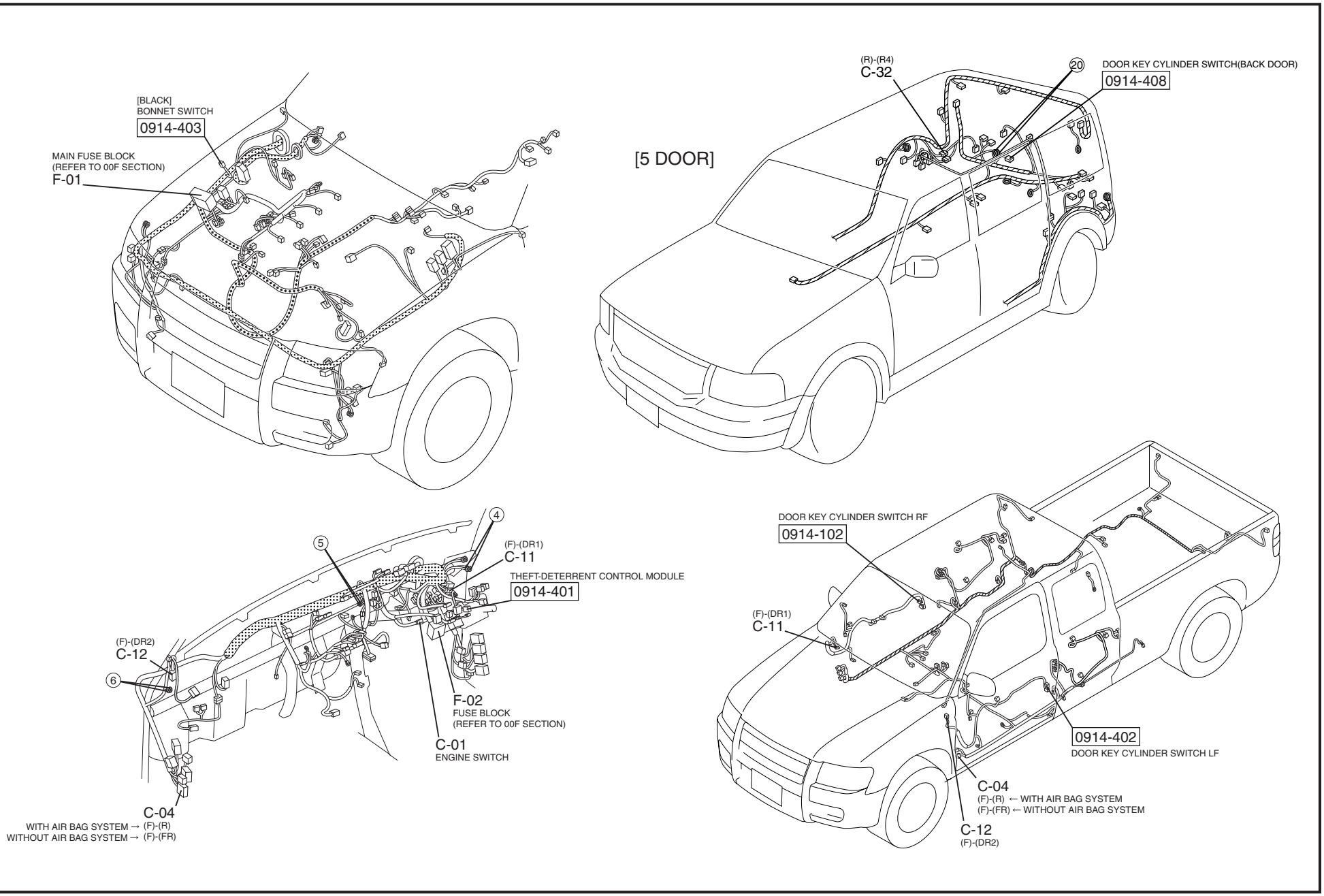


0914-102 DOOR KEY CYLINDER SWITCH RF (DR1)

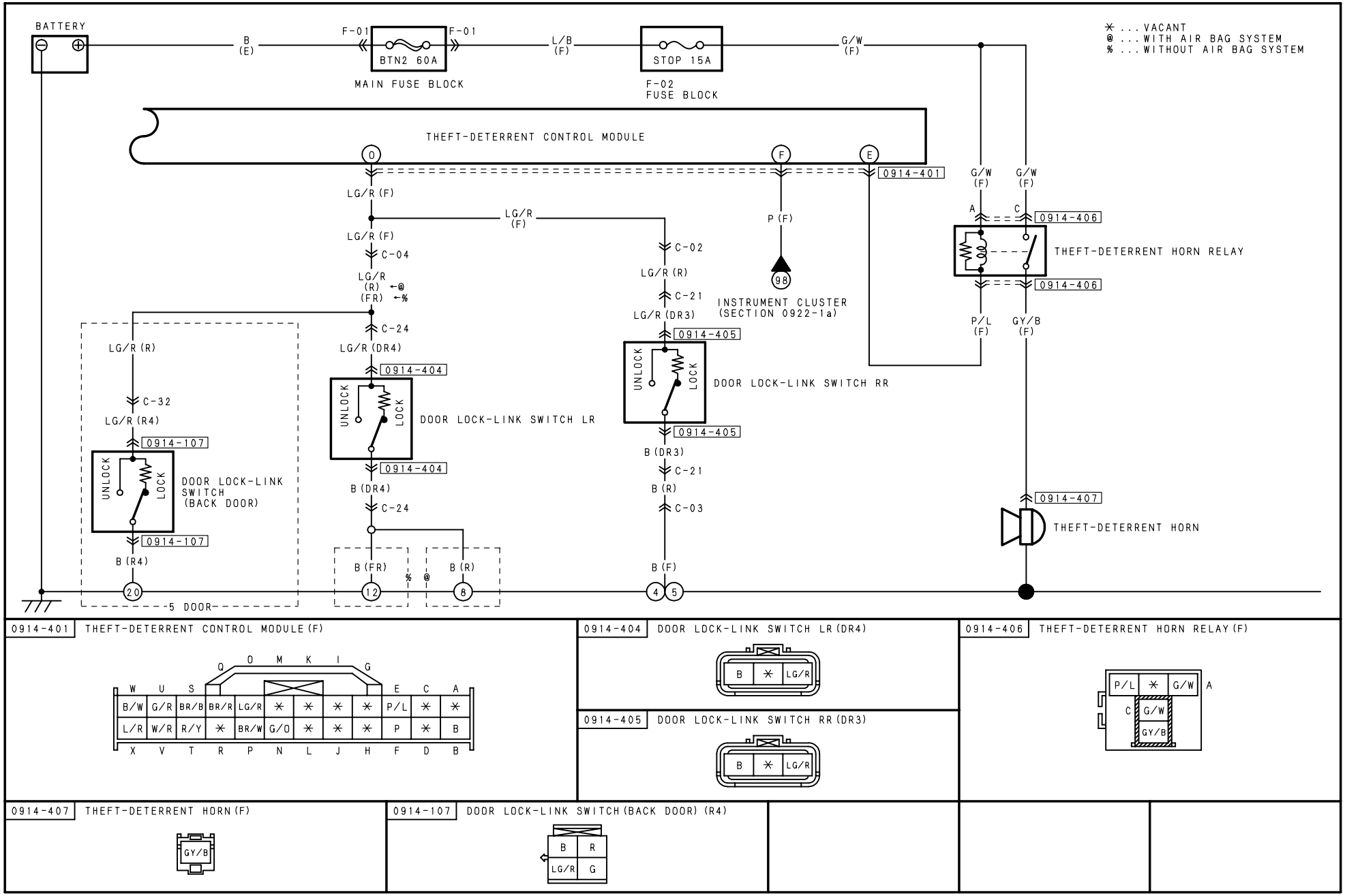


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HARNESS SYMBOL: (F) (E) (R)



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0914-401 THEFT-DETERRENT CONTROL MODULE (F)

0914-404 DOOR LOCK-LINK SWITCH LR (DR4)

0914-405 DOOR LOCK-LINK SWITCH RR (DR3)

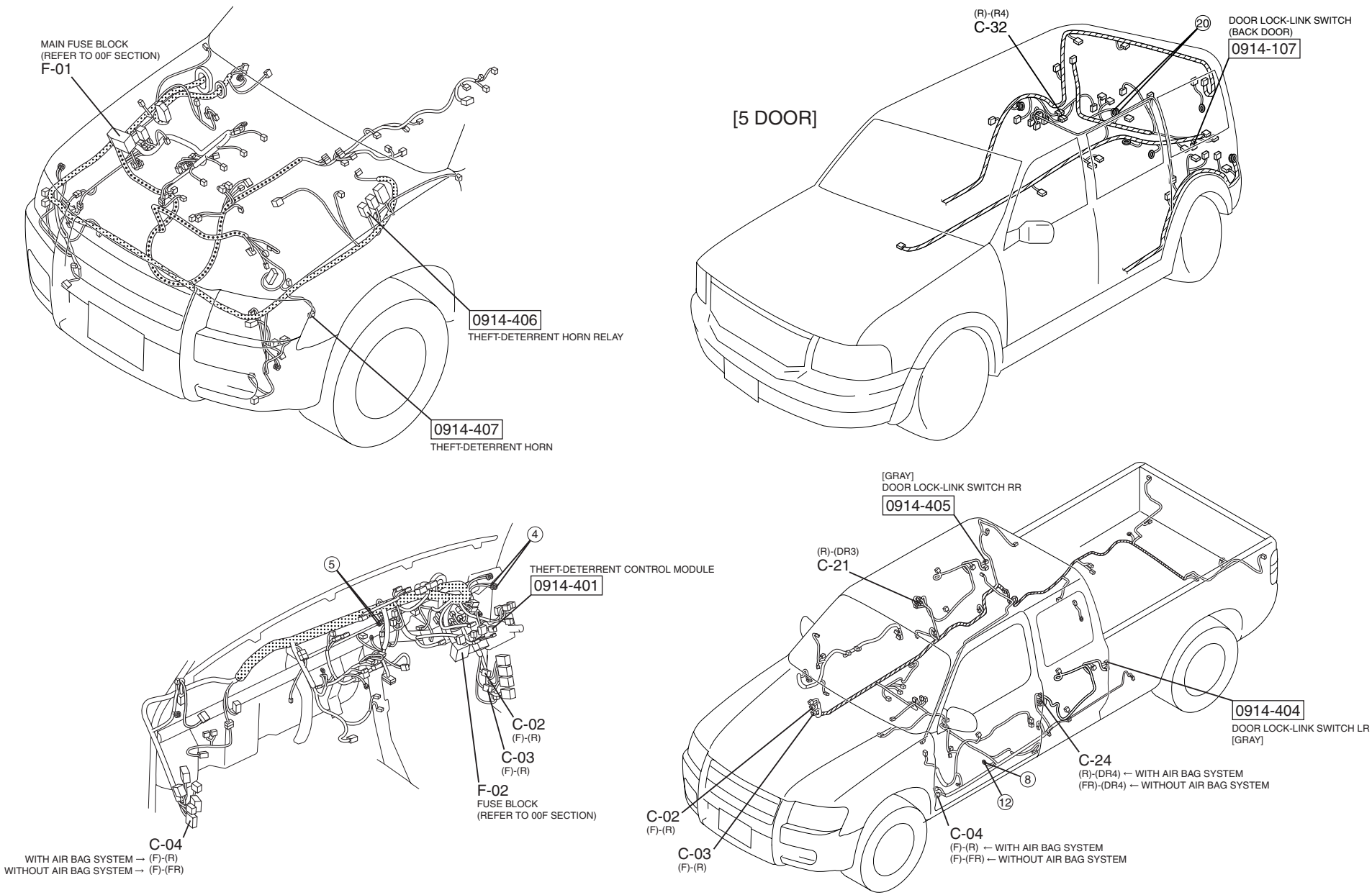
0914-406 THEFT-DETERRENT HORN RELAY (F)

0914-407 THEFT-DETERRENT HORN (F)

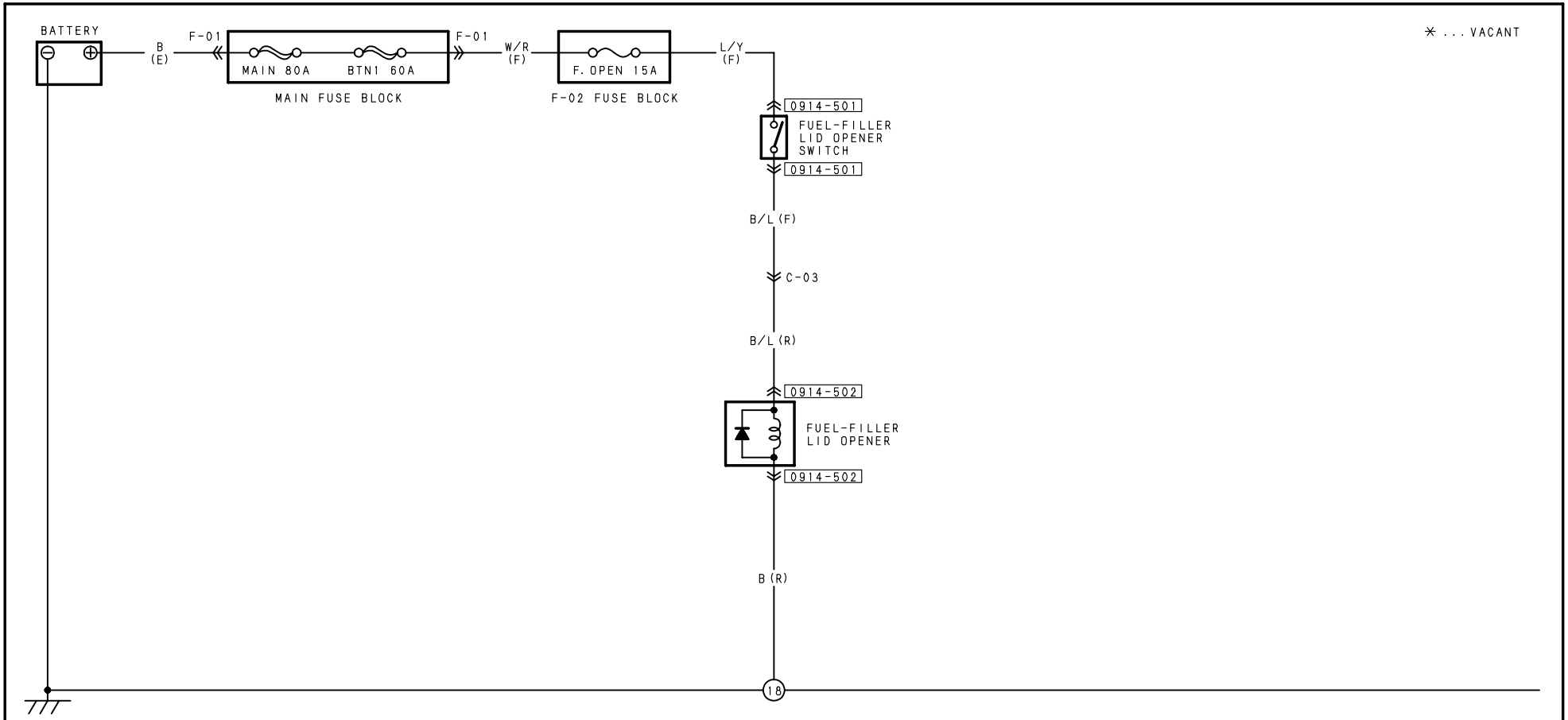
0914-107 DOOR LOCK-LINK SWITCH (BACK DOOR) (R4)

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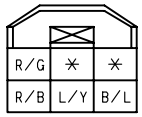
HARNESS SYMBOL: (F) (E) (R)



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0914-501 FUEL-FILLER LID OPENER SWITCH (F)

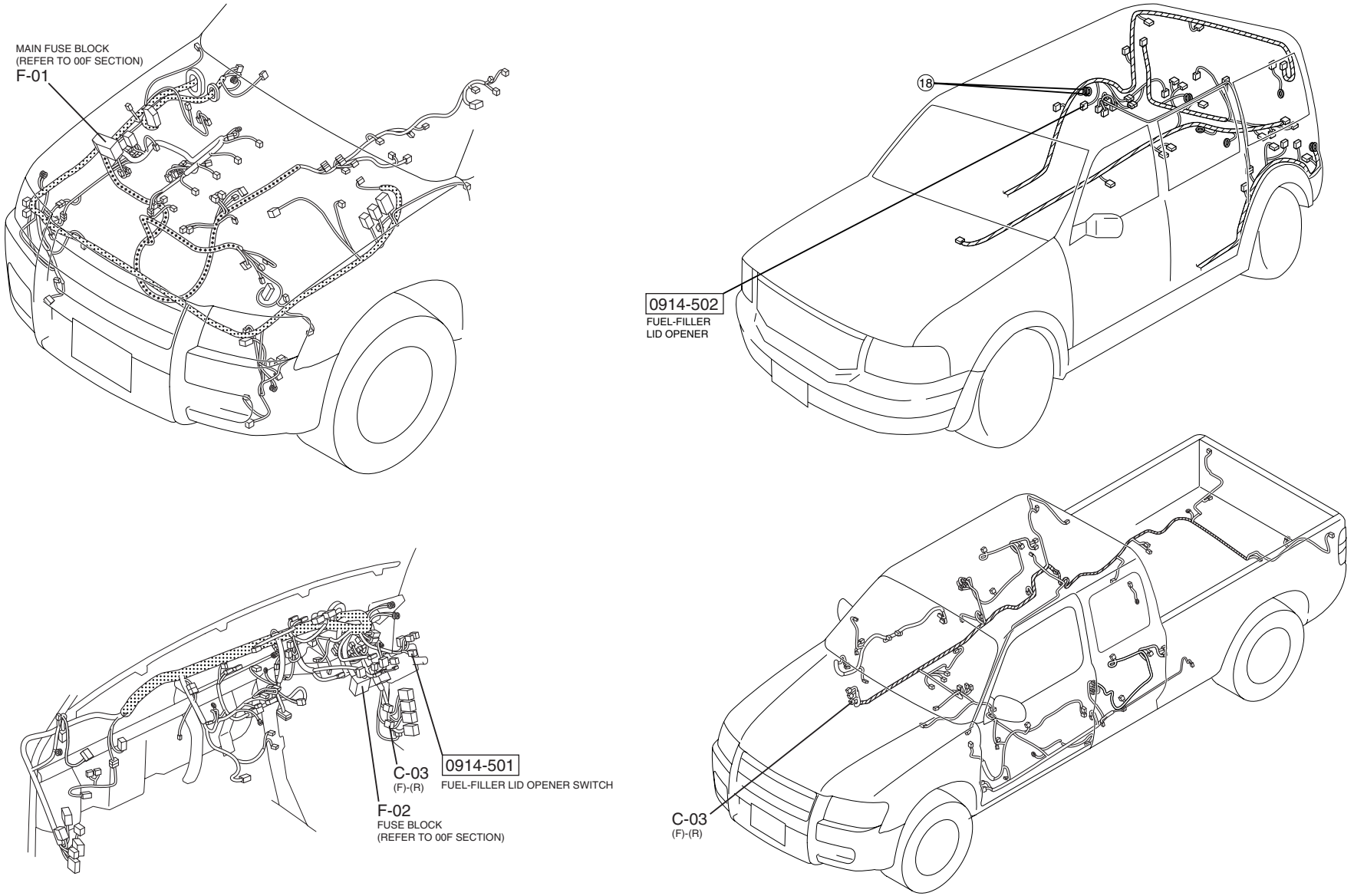


0914-502 FUEL-FILLER LID OPENER (R)

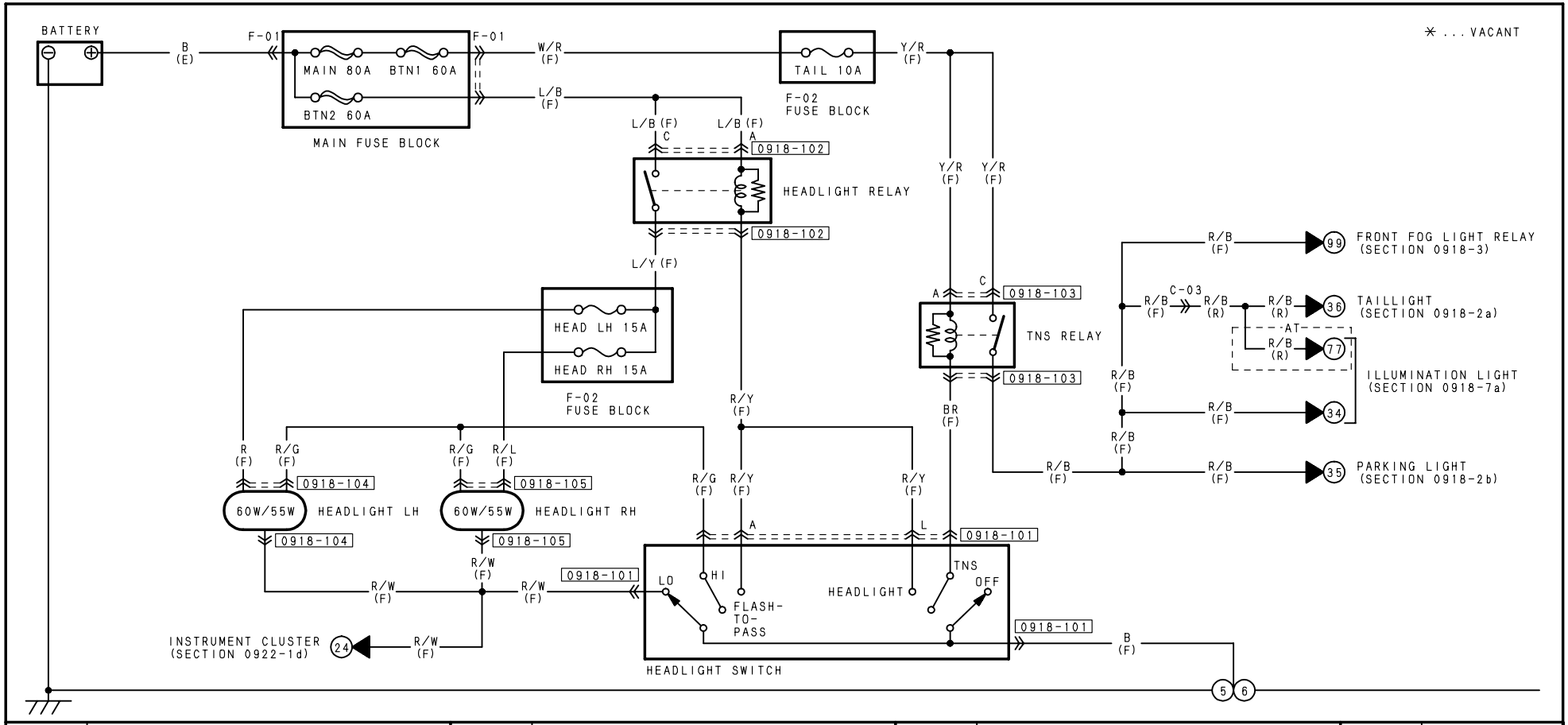


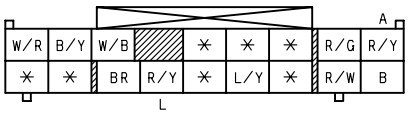
www.truck-freeworkshop.com

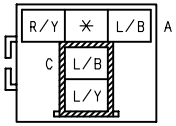
HARNESS SYMBOL: (F) (E) (R)

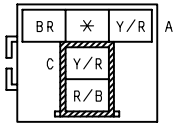


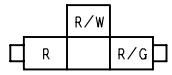
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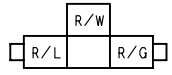






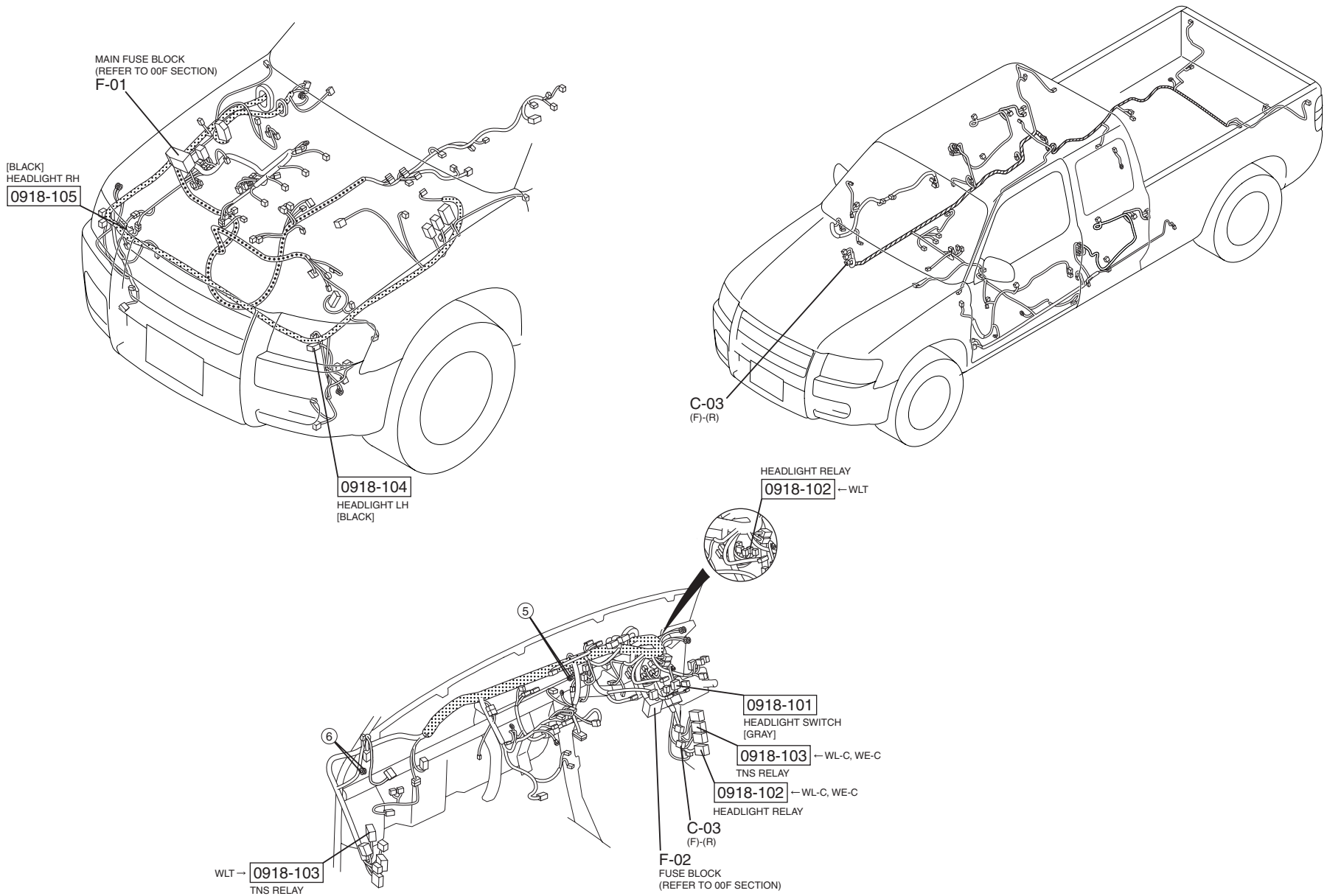






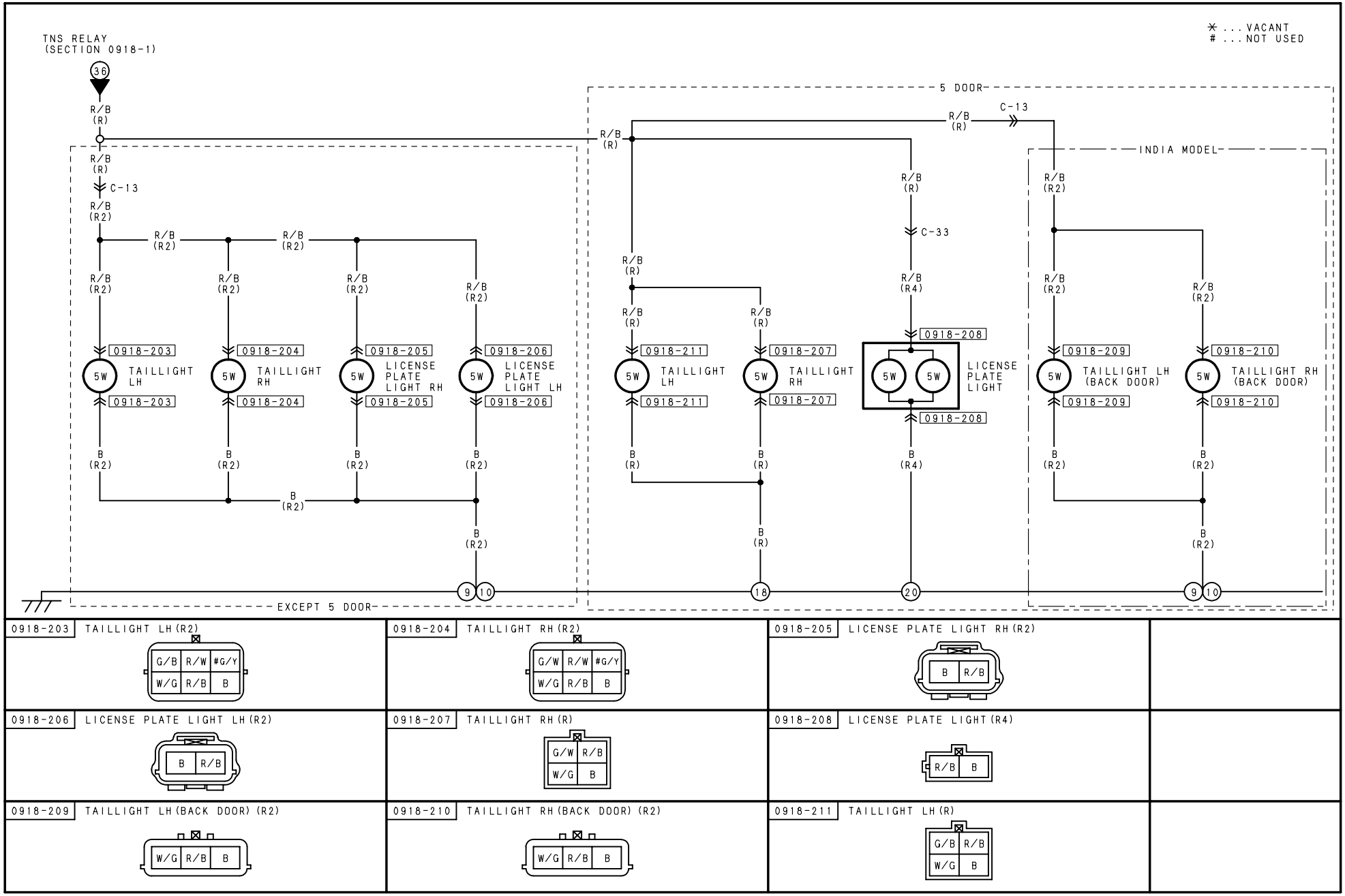
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HARNESS SYMBOL: (F) (E) (R)



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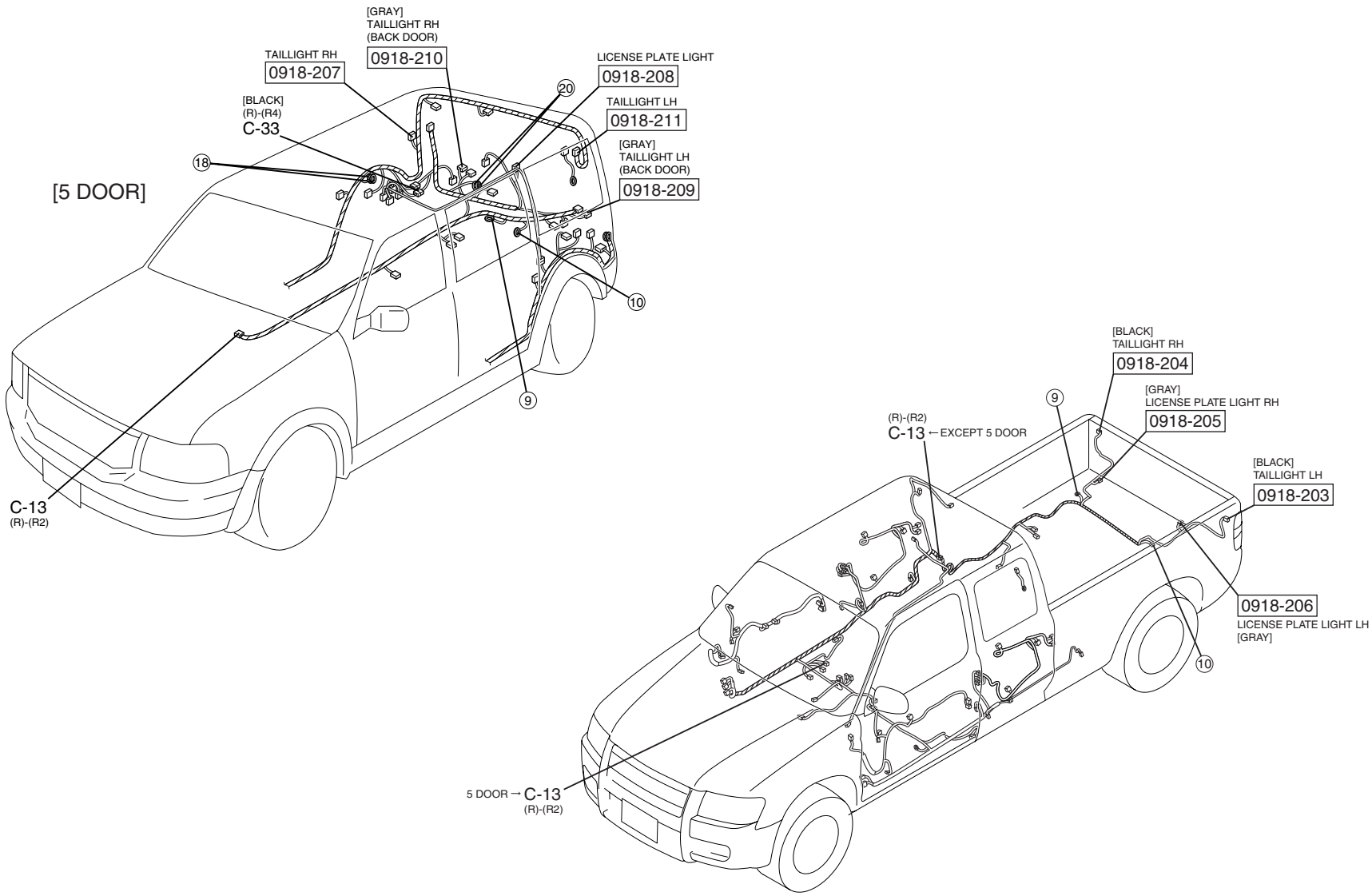
LICENSE PLATE LIGHT / PARKING LIGHT / TAILLIGHT



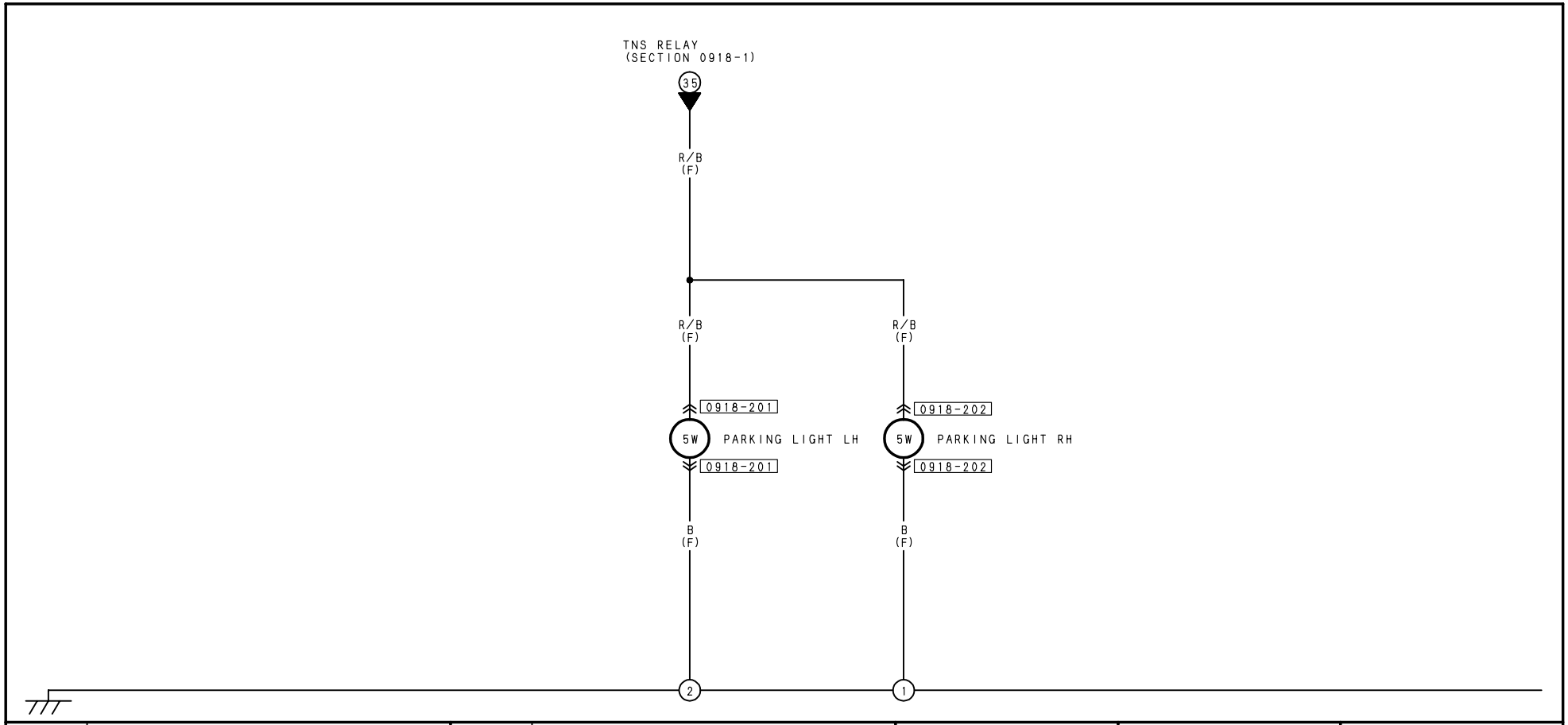
0918-203 TAILLIGHT LH (R2) G/B R/W #G/Y W/G R/B B	0918-204 TAILLIGHT RH (R2) G/W R/W #G/Y W/G R/B B	0918-205 LICENSE PLATE LIGHT RH (R2) B R/B
0918-206 LICENSE PLATE LIGHT LH (R2) B R/B	0918-207 TAILLIGHT RH (R) G/W R/B W/G B	0918-208 LICENSE PLATE LIGHT (R4) R/B B
0918-209 TAILLIGHT LH (BACK DOOR) (R2) W/G R/B B	0918-210 TAILLIGHT RH (BACK DOOR) (R2) W/G R/B B	0918-211 TAILLIGHT LH (R) G/B R/B W/G B

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HARNESS SYMBOL: (F) (E) (R)



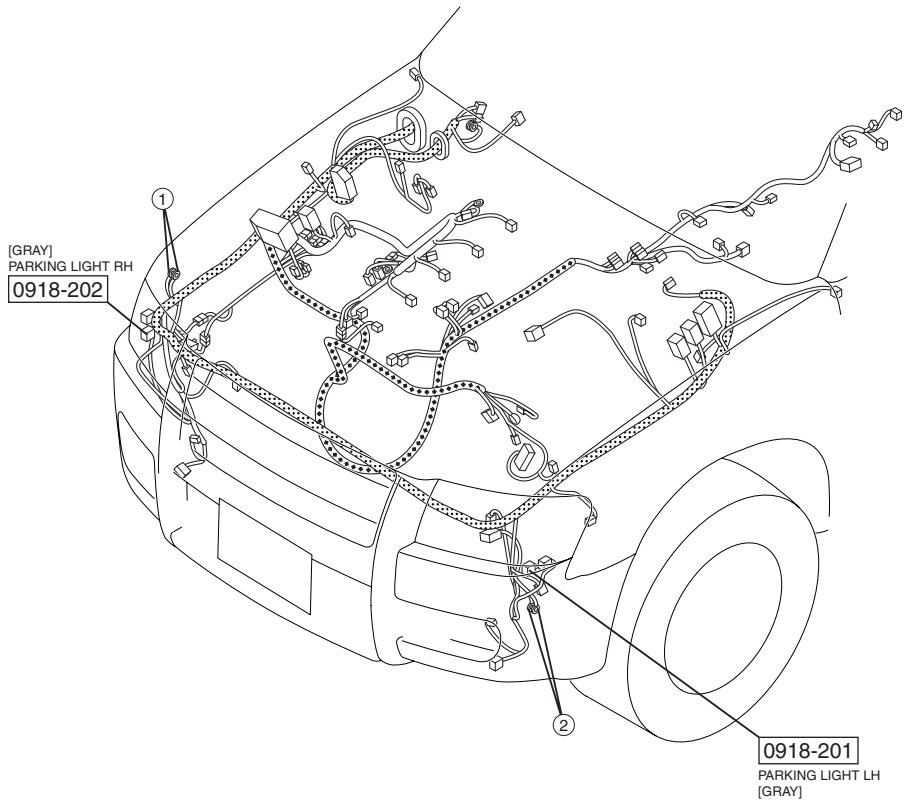
www.truck-freeworkshop.com



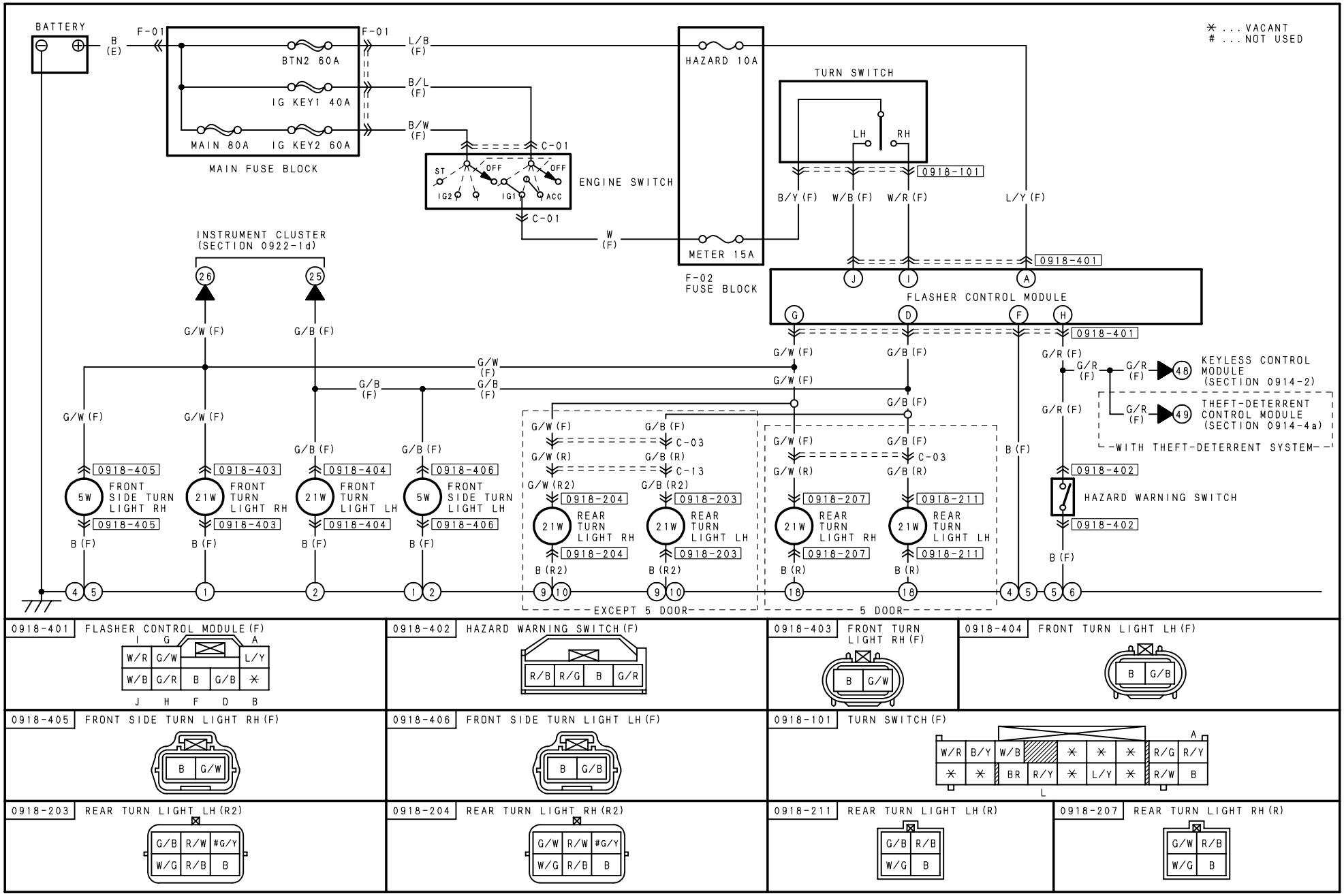
0918-201 PARKING LIGHT LH (F)		0918-202 PARKING LIGHT RH (F)				
						

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HARNESS SYMBOL: (F) (E) (R)

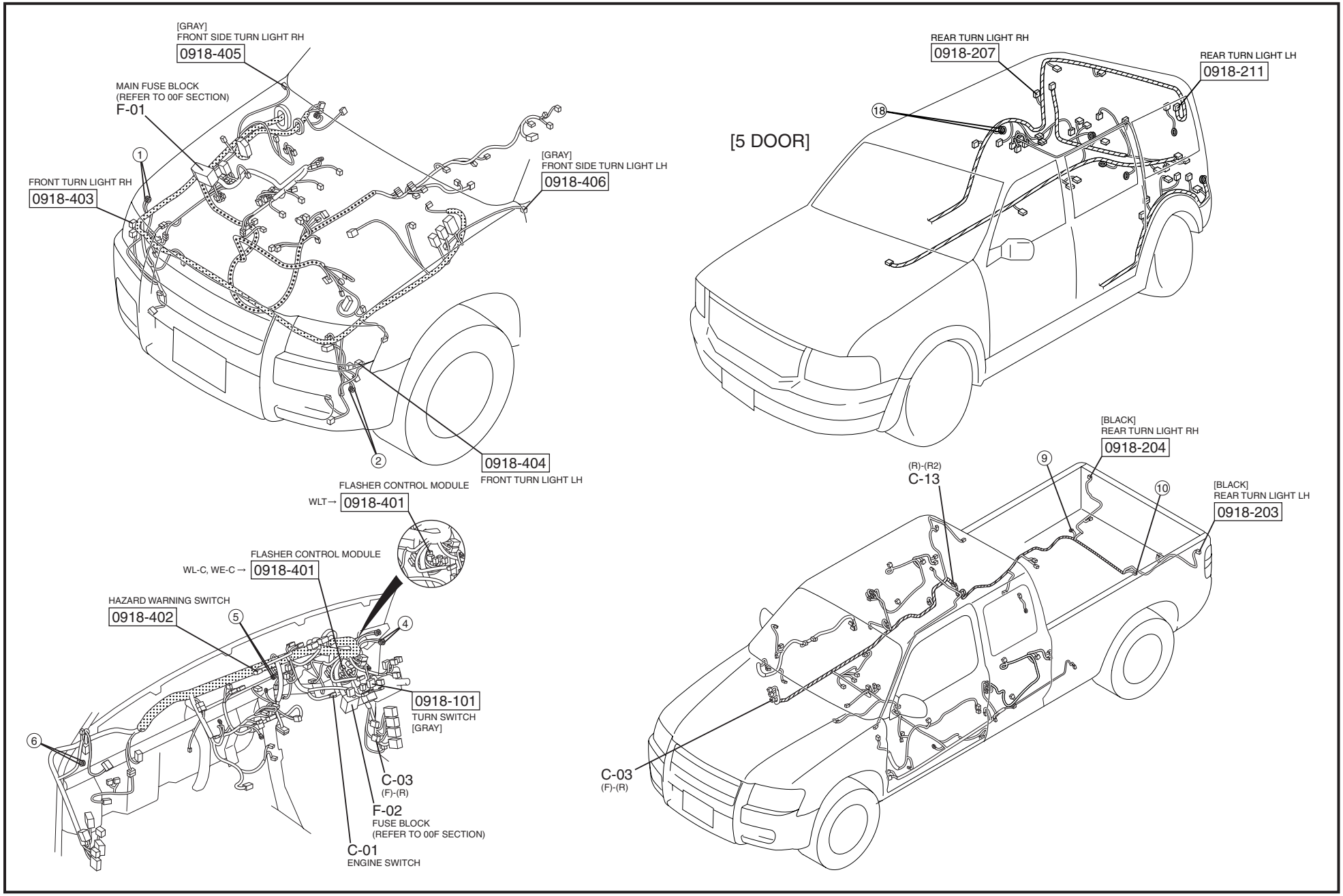


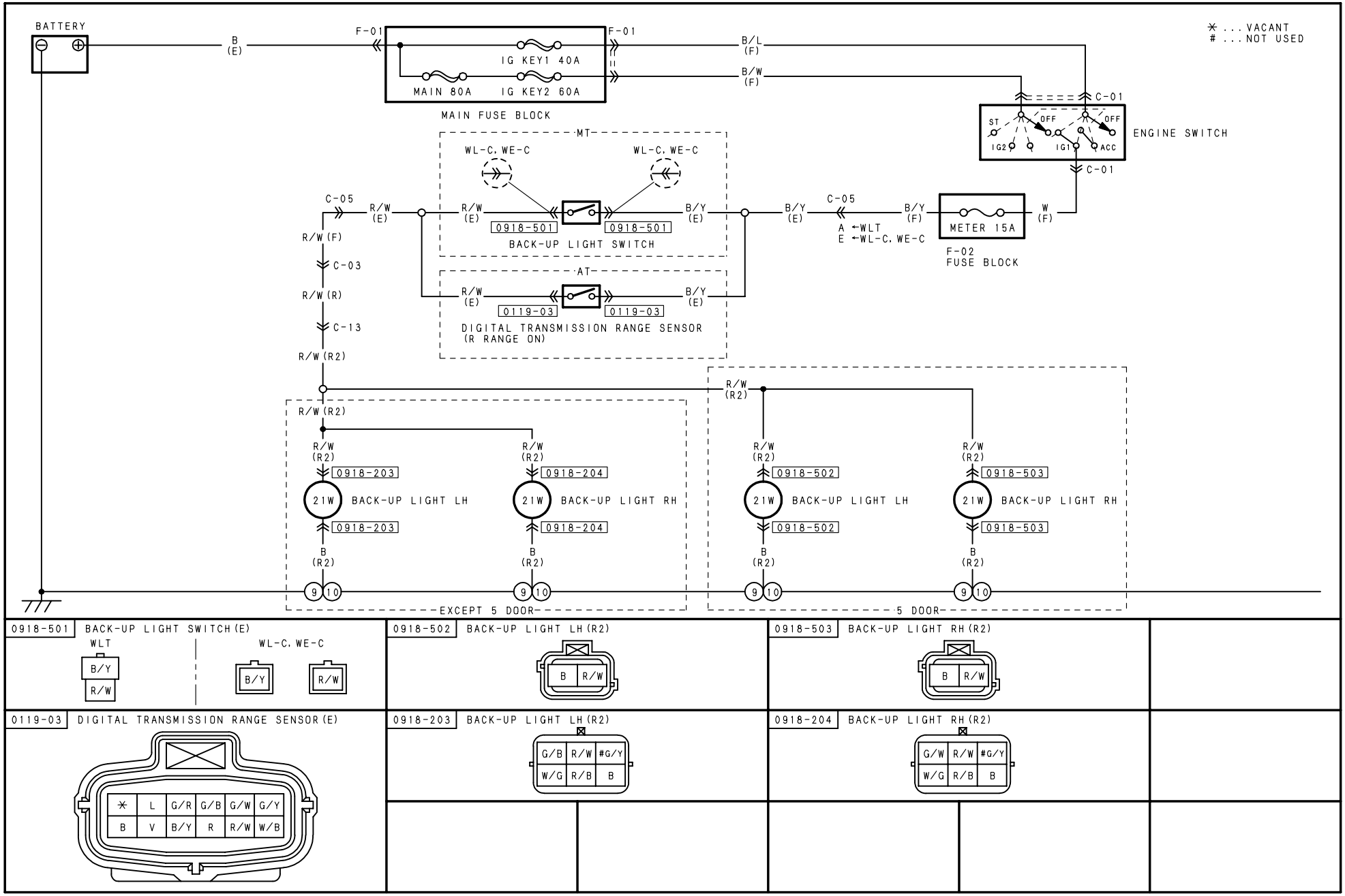
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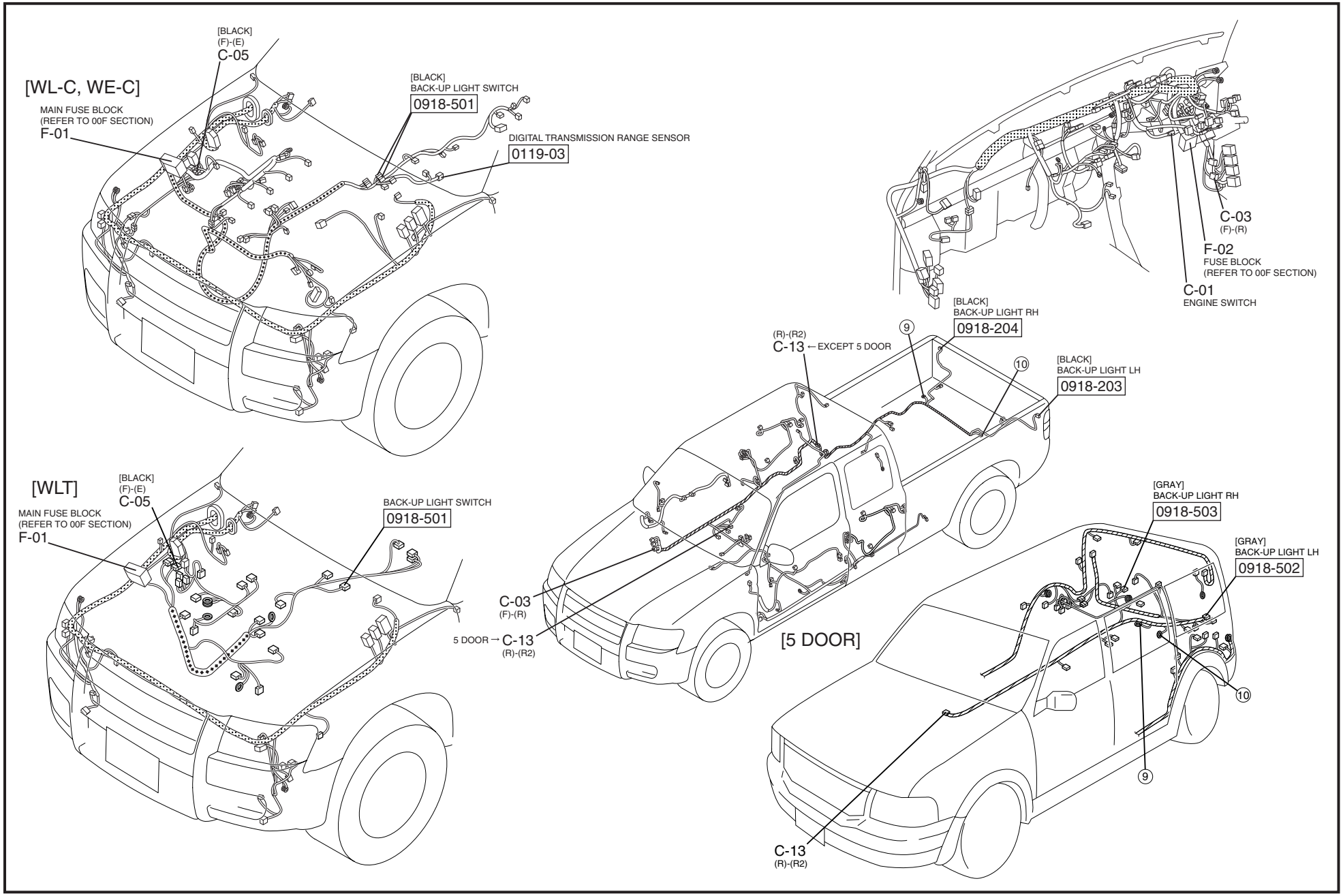
HARNESS SYMBOL: (F) (E) (R)



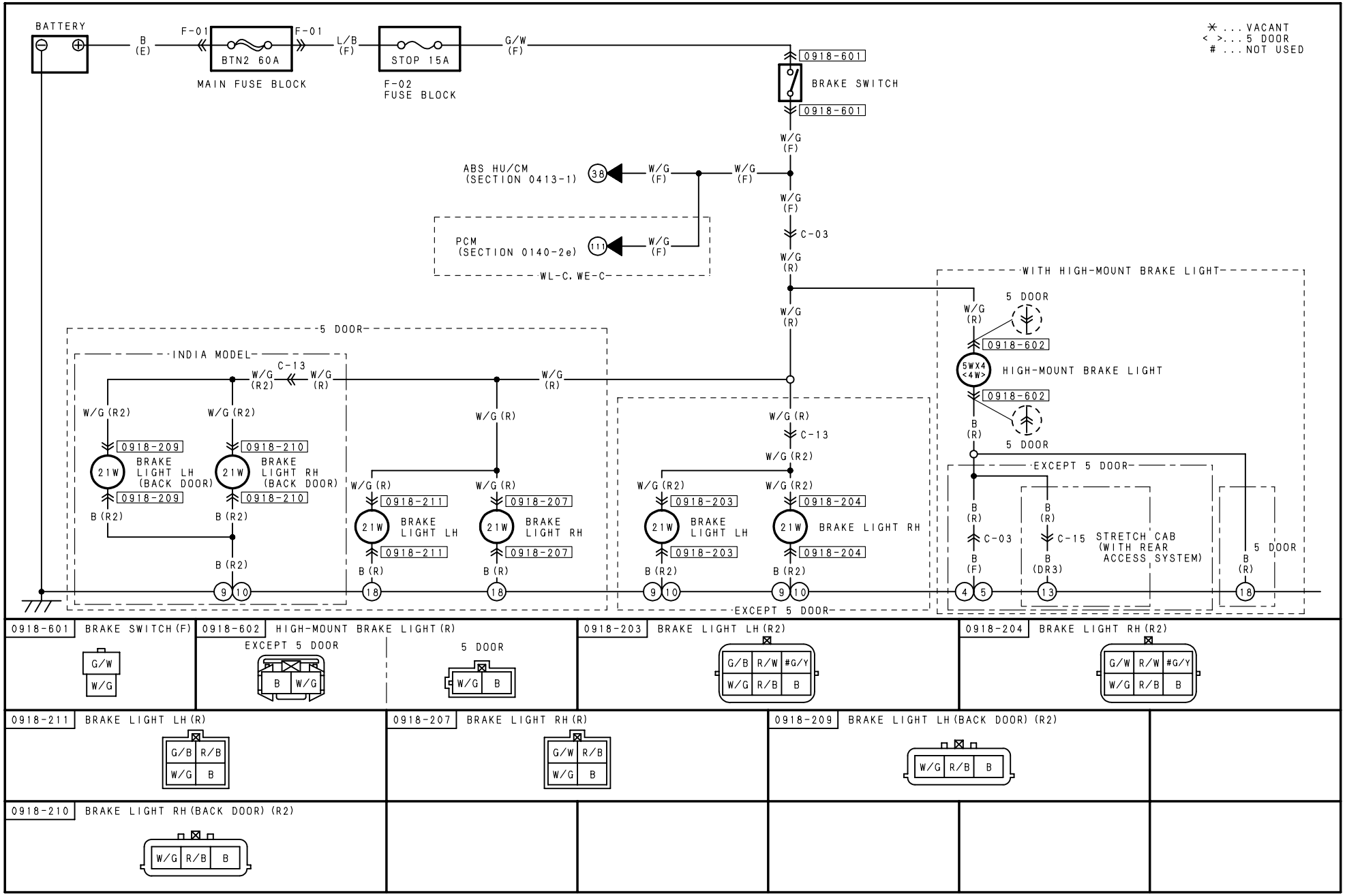

BATTERY
B (E)
F-01
IG KEY1 40A
MAIN 80A
IG KEY2 60A
F-01
MAIN FUSE BLOCK
B/L (F)
B/W (F)
C-01
ST
OFF
IG2
IG1
ACC
ENGINE SWITCH
C-01
W (F)
METER 15A
F-02
FUSE BLOCK
B/Y (F)
A ←WLT
E ←WL-C, WE-C
B/Y (E)
C-05
MT
WL-C, WE-C
WL-C, WE-C
R/W (E)
R/W (E)
0918-501
0918-501
B/Y (E)
BACK-UP LIGHT SWITCH
C-05
R/W (E)
R/W (F)
C-03
R/W (R)
C-13
R/W (R2)
AT
R/W (E)
0119-03
0119-03
B/Y (E)
DIGITAL TRANSMISSION RANGE SENSOR
(R RANGE ON)
R/W (R2)
R/W (R2)
R/W (R2)
0918-203
21W
BACK-UP LIGHT LH
0918-203
R/W (R2)
0918-204
21W
BACK-UP LIGHT RH
0918-204
B (R2)
B (R2)
9
10
9
10
EXCEPT 5 DOOR
R/W (R2)
R/W (R2)
0918-502
21W
BACK-UP LIGHT LH
0918-502
R/W (R2)
0918-503
21W
BACK-UP LIGHT RH
0918-503
B (R2)
B (R2)
9
10
9
10
5 DOOR
✳ . . . VACANT
. . . NOT USED
0918-501 BACK-UP LIGHT SWITCH (E)
WLT
B/Y
R/W
WL-C, WE-C
B/Y
R/W
0918-502 BACK-UP LIGHT LH (R2)
B
R/W
0918-503 BACK-UP LIGHT RH (R2)
B
R/W
0119-03 DIGITAL TRANSMISSION RANGE SENSOR (E)
✳ L G/R G/B G/W G/Y
B V B/Y R R/W W/B
0918-203 BACK-UP LIGHT LH (R2)
G/B R/W #G/Y
W/G R/B B
0918-204 BACK-UP LIGHT RH (R2)
G/W R/W #G/Y
W/G R/B B

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HARNESS SYMBOL: (F) (E) (R)



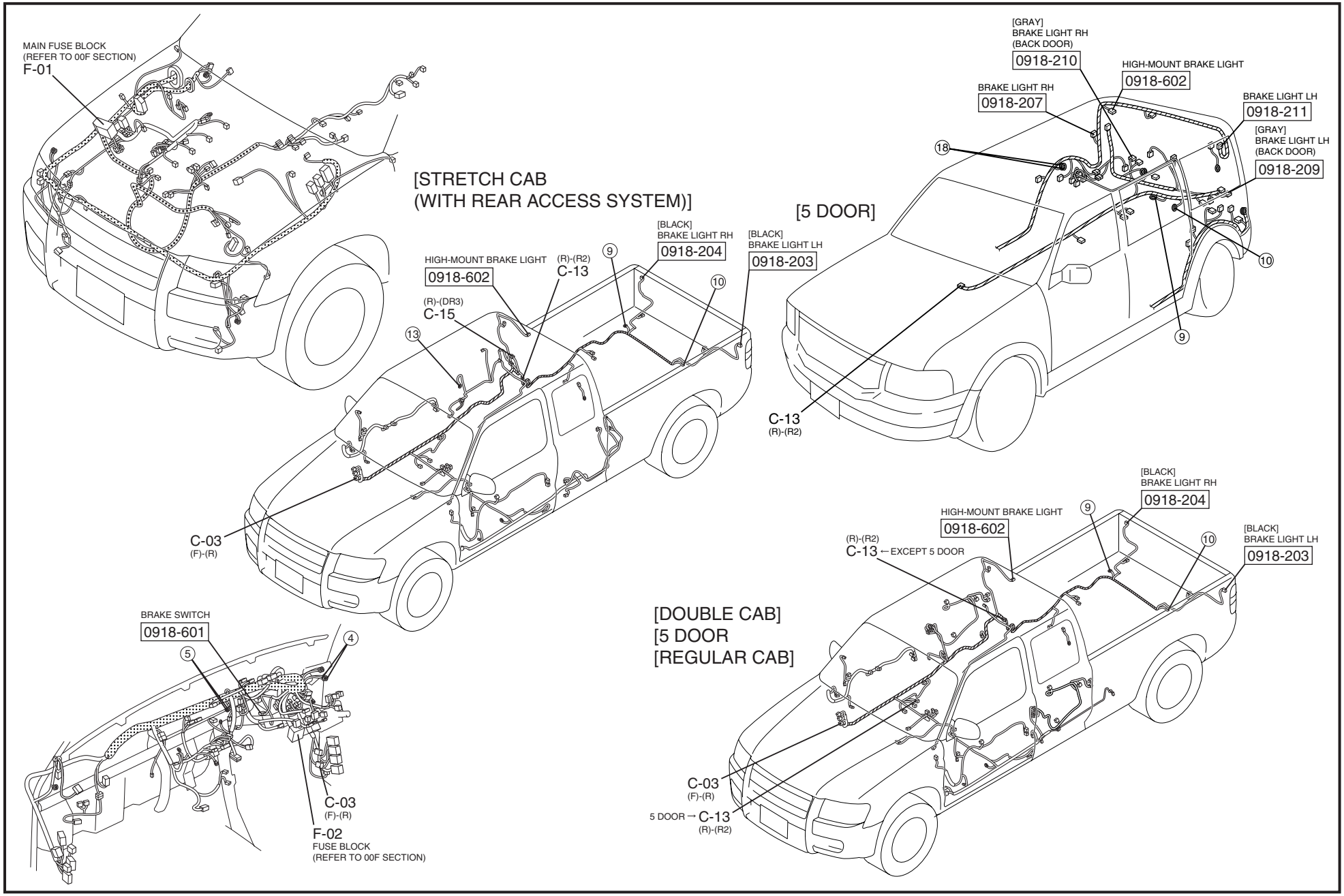
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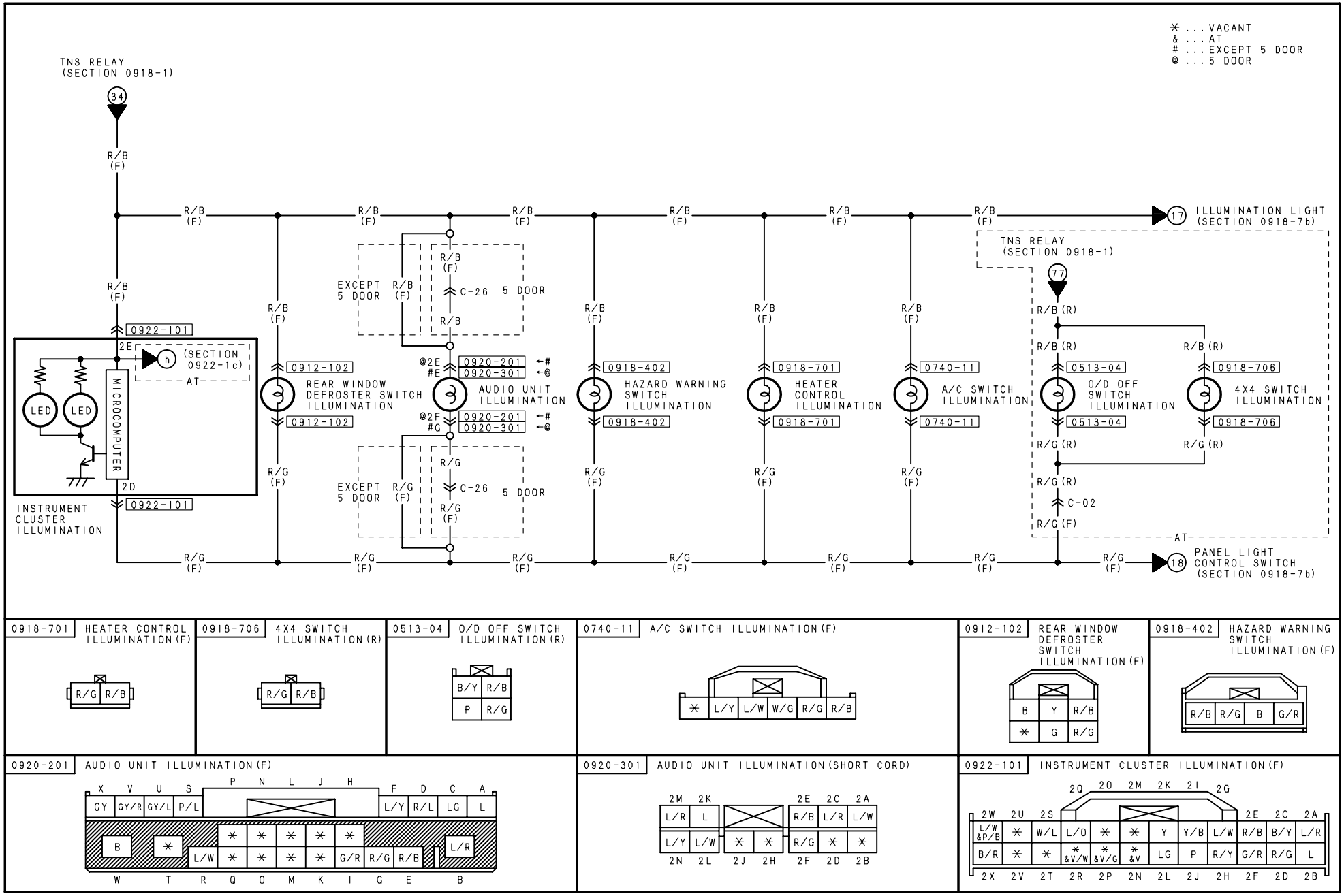
0918-601 BRAKE SWITCH (F)	0918-602 HIGH-MOUNT BRAKE LIGHT (R) EXCEPT 5 DOOR 5 DOOR	0918-203 BRAKE LIGHT LH (R2)	0918-204 BRAKE LIGHT RH (R2)
0918-211 BRAKE LIGHT LH (R)	0918-207 BRAKE LIGHT RH (R)	0918-209 BRAKE LIGHT LH (BACK DOOR) (R2)	
0918-210 BRAKE LIGHT RH (BACK DOOR) (R2)			

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HARNESS SYMBOL: (F) (E) (R)

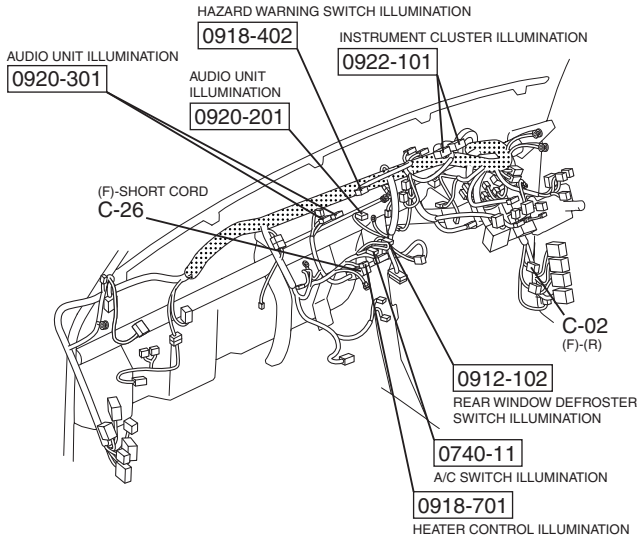


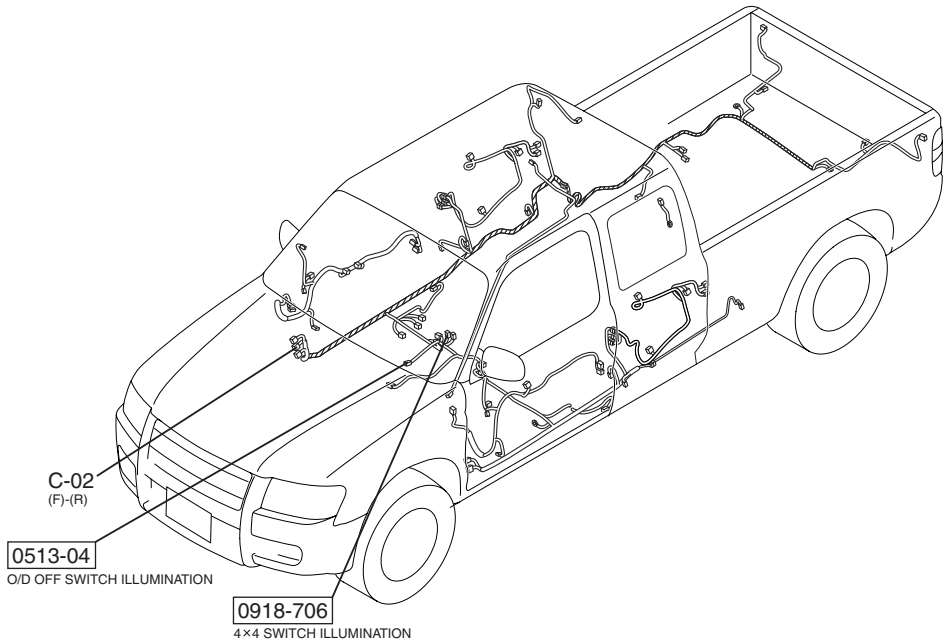
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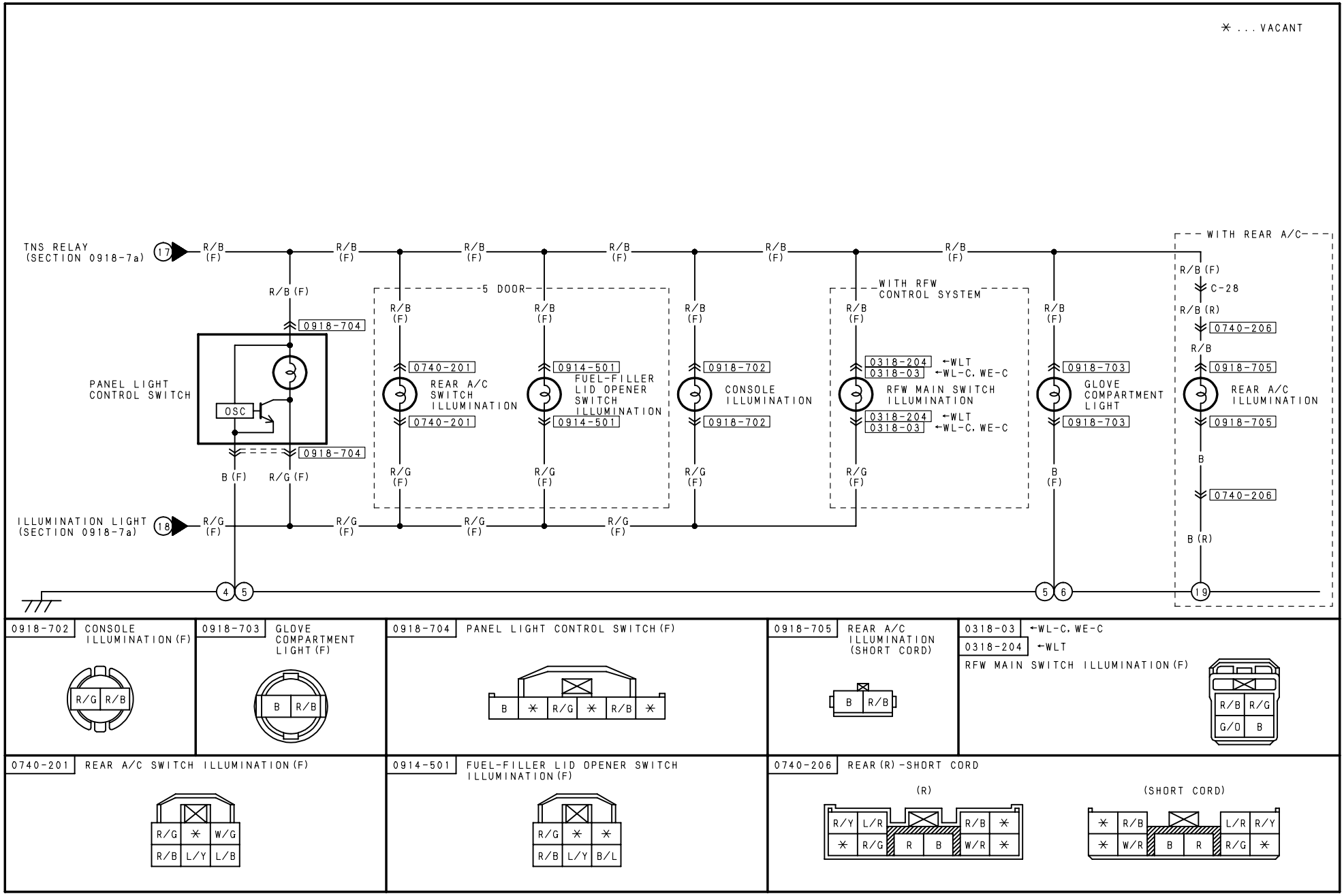
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HARNESS SYMBOL: (F) (E) (R)





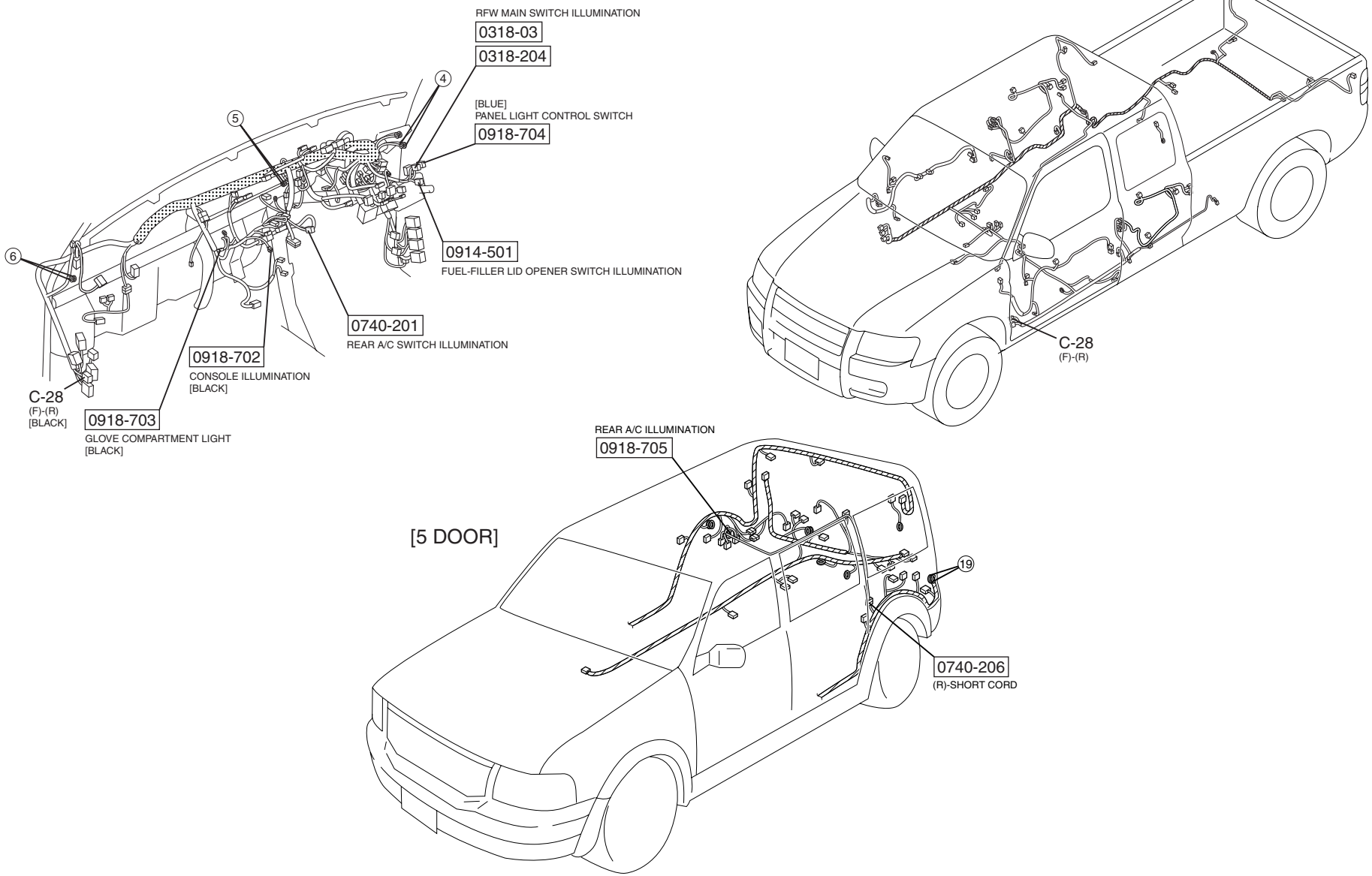
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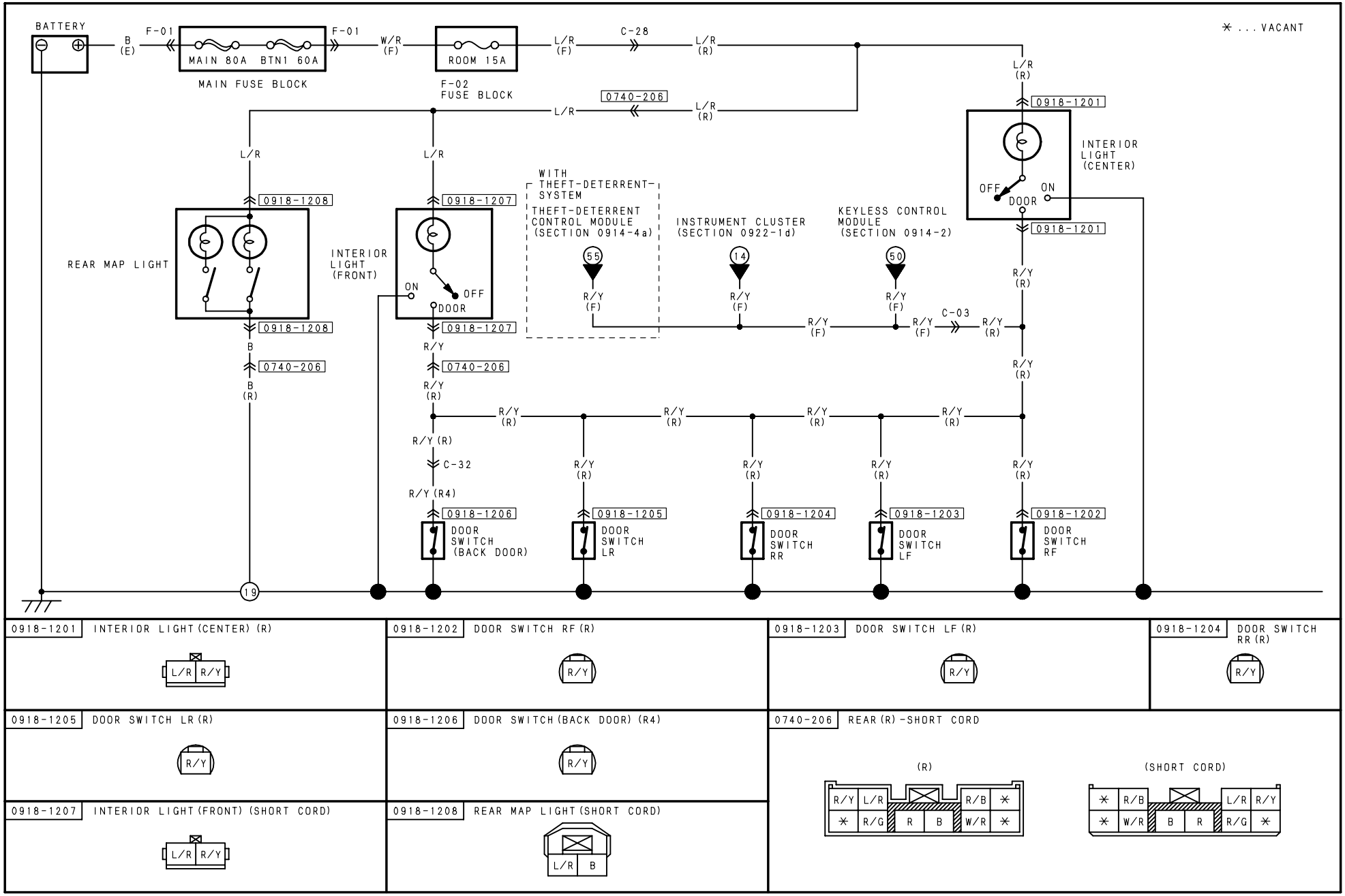
0918-702 CONSOLE ILLUMINATION (F)	0918-703 GLOVE COMPARTMENT LIGHT (F)	0918-704 PANEL LIGHT CONTROL SWITCH (F)	0918-705 REAR A/C ILLUMINATION (SHORT CORD)	0318-03 ←WL-C, WE-C 0318-204 ←WLT RFW MAIN SWITCH ILLUMINATION (F)
0740-201 REAR A/C SWITCH ILLUMINATION (F)	0914-501 FUEL-FILLER LID OPENER SWITCH ILLUMINATION (F)	0740-206 REAR (R) -SHORT CORD		

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HARNESS SYMBOL: (F) (E) (R)



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✳ . . . VACANT

0918-1201 INTERIOR LIGHT (CENTER) (R)

0918-1202 DOOR SWITCH RF (R)

0918-1203 DOOR SWITCH LF (R)

0918-1204 DOOR SWITCH RR (R)

0918-1205 DOOR SWITCH LR (R)

0918-1206 DOOR SWITCH (BACK DOOR) (R4)

0740-206 REAR (R) -SHORT CORD

(R)

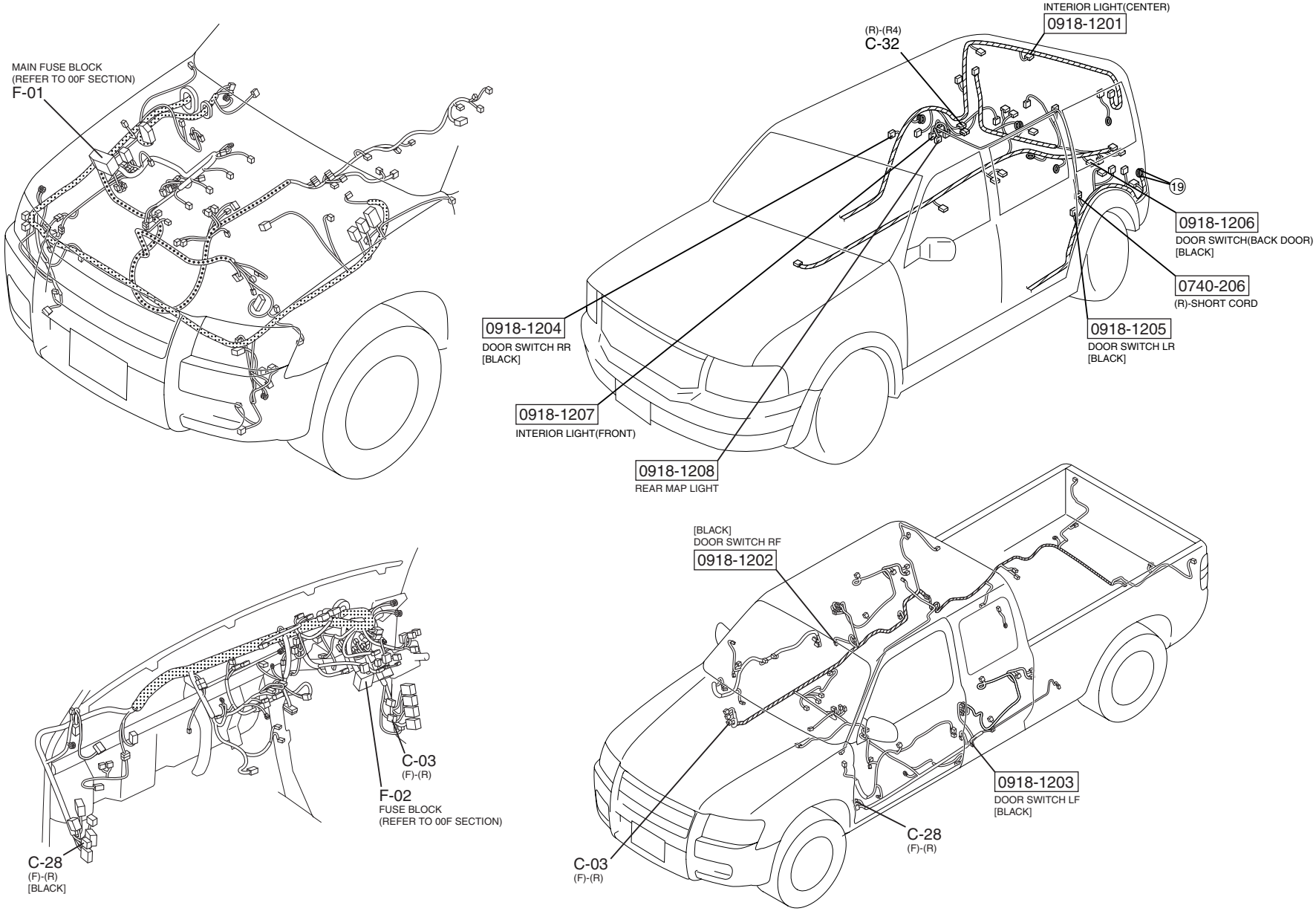
(SHORT CORD)

0918-1207 INTERIOR LIGHT (FRONT) (SHORT CORD)

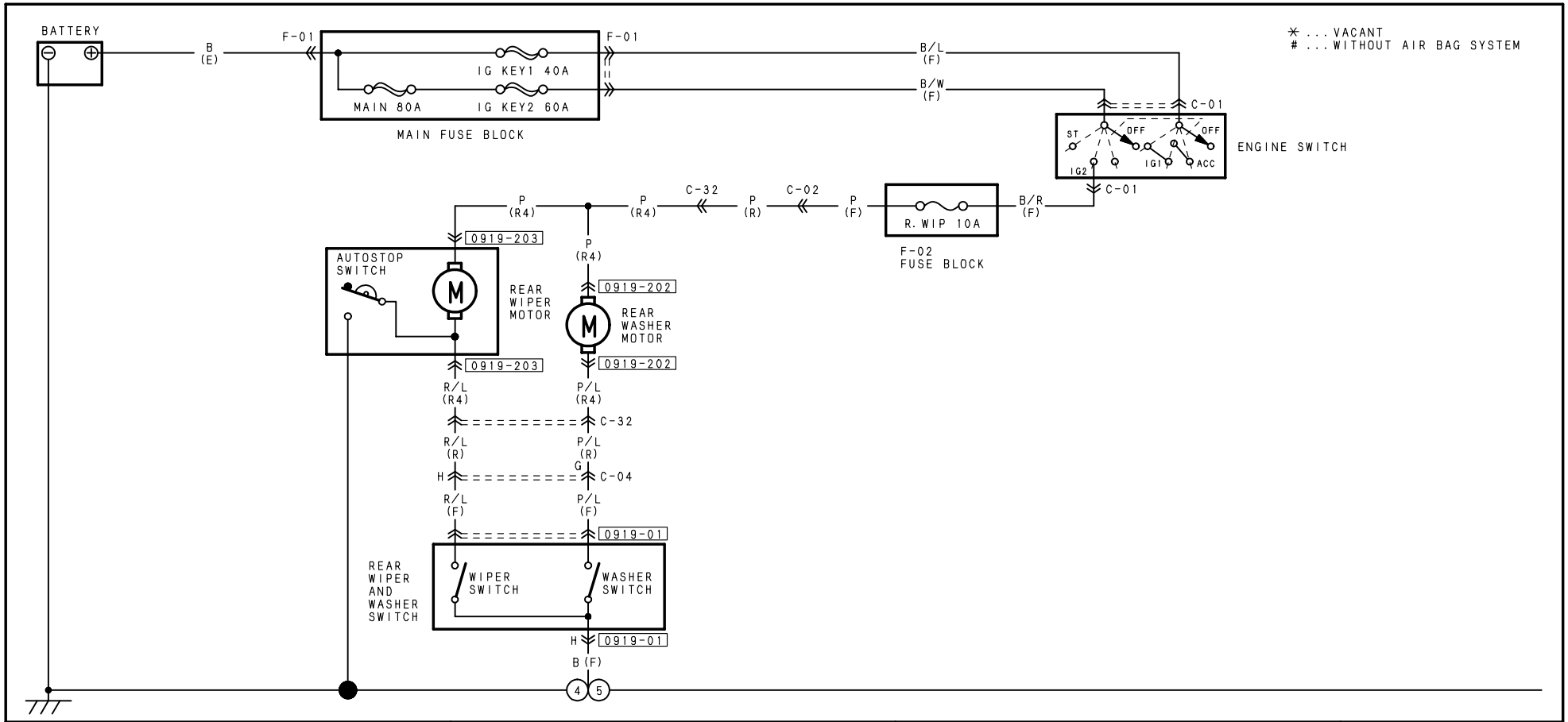
0918-1208 REAR MAP LIGHT (SHORT CORD)

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HARNESS SYMBOL: (F) (E) (R)



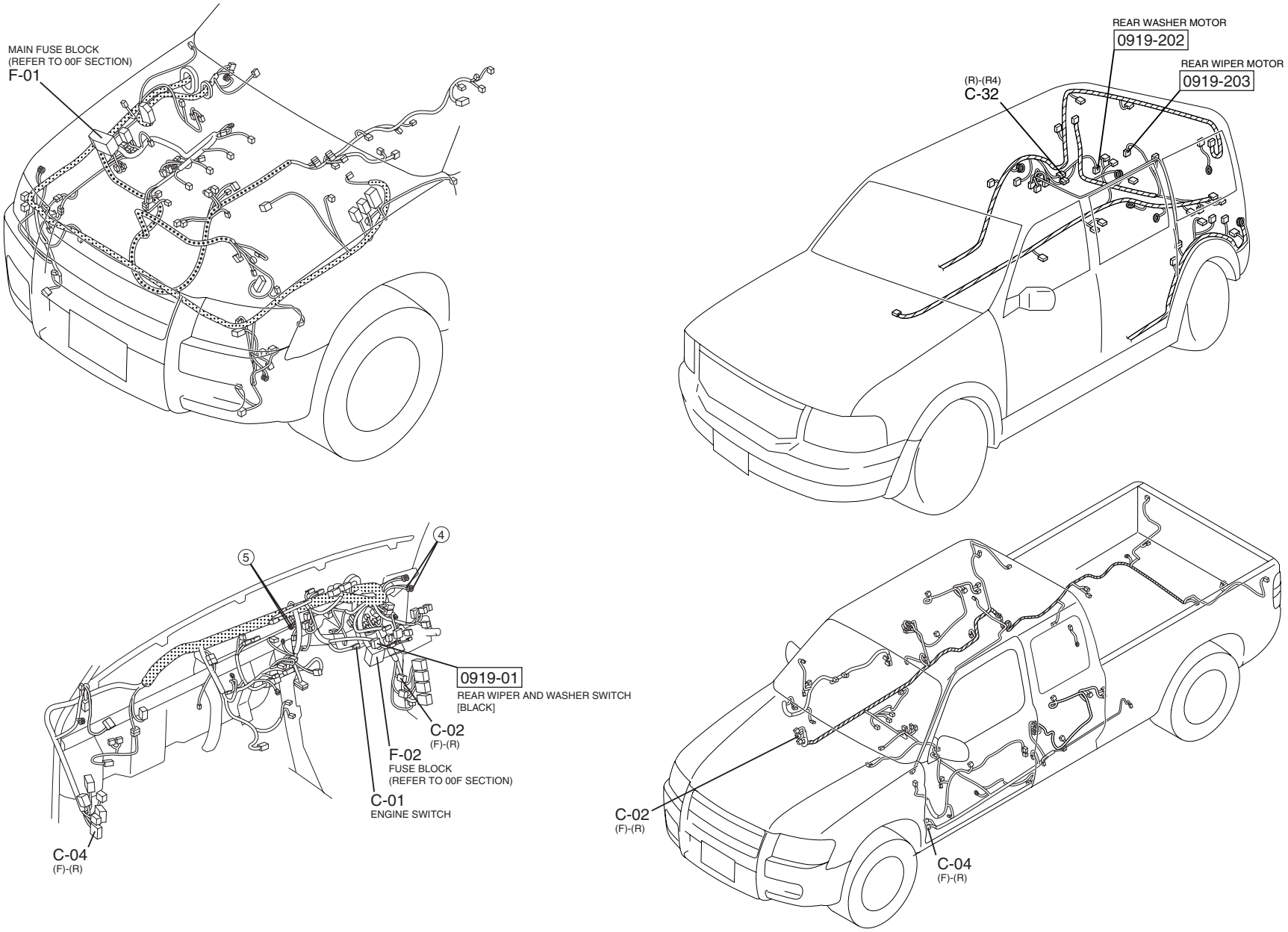
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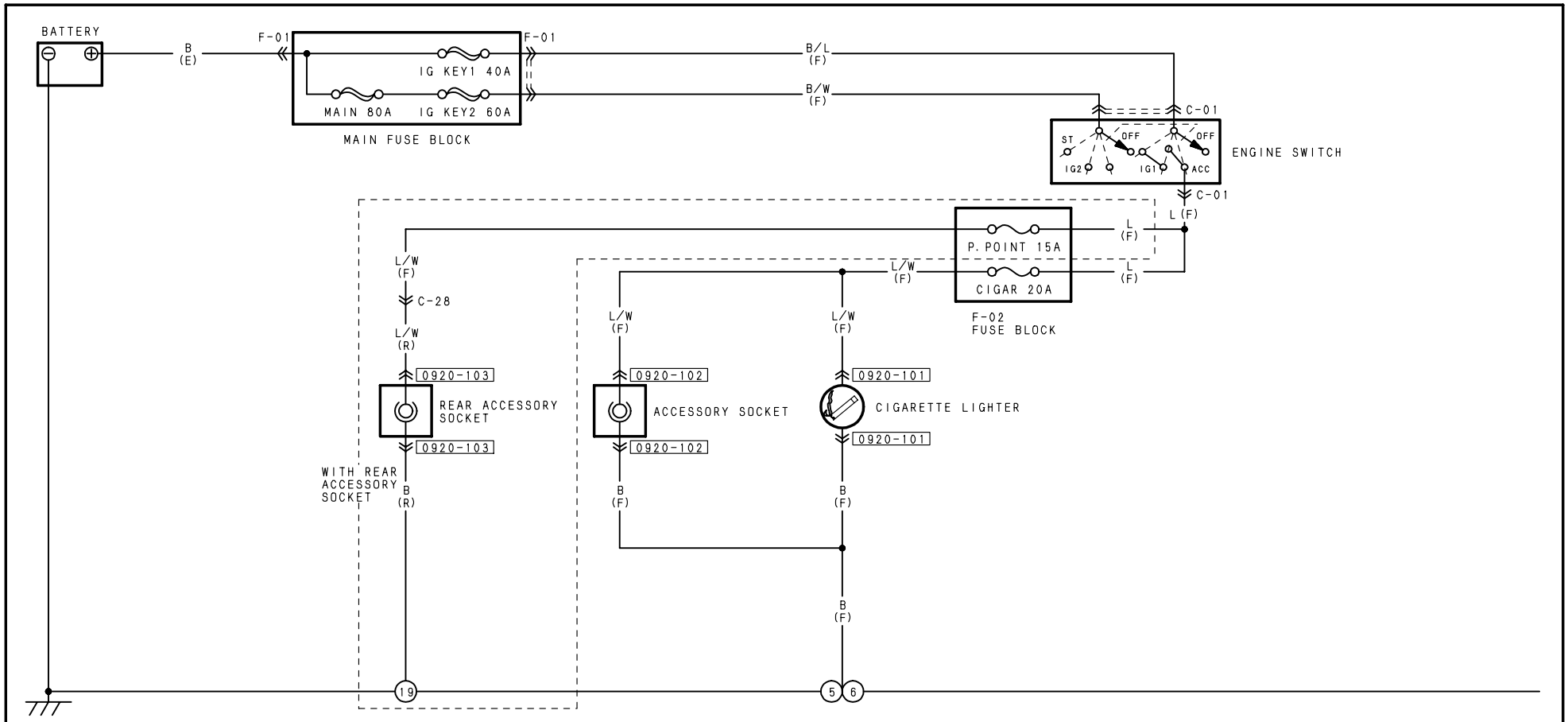
0919-01 REAR WIPER AND WASHER SWITCH (F)		0919-202 REAR WASHER MOTOR (R4)		0919-203 REAR WIPER MOTOR (R4)		
* L/O	* L/W L/Y * #G/R	P/L		P R/L		
* P/L R/L B	B L/B L *	P				
J	H					

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HARNESS SYMBOL: (F) (E) (R)



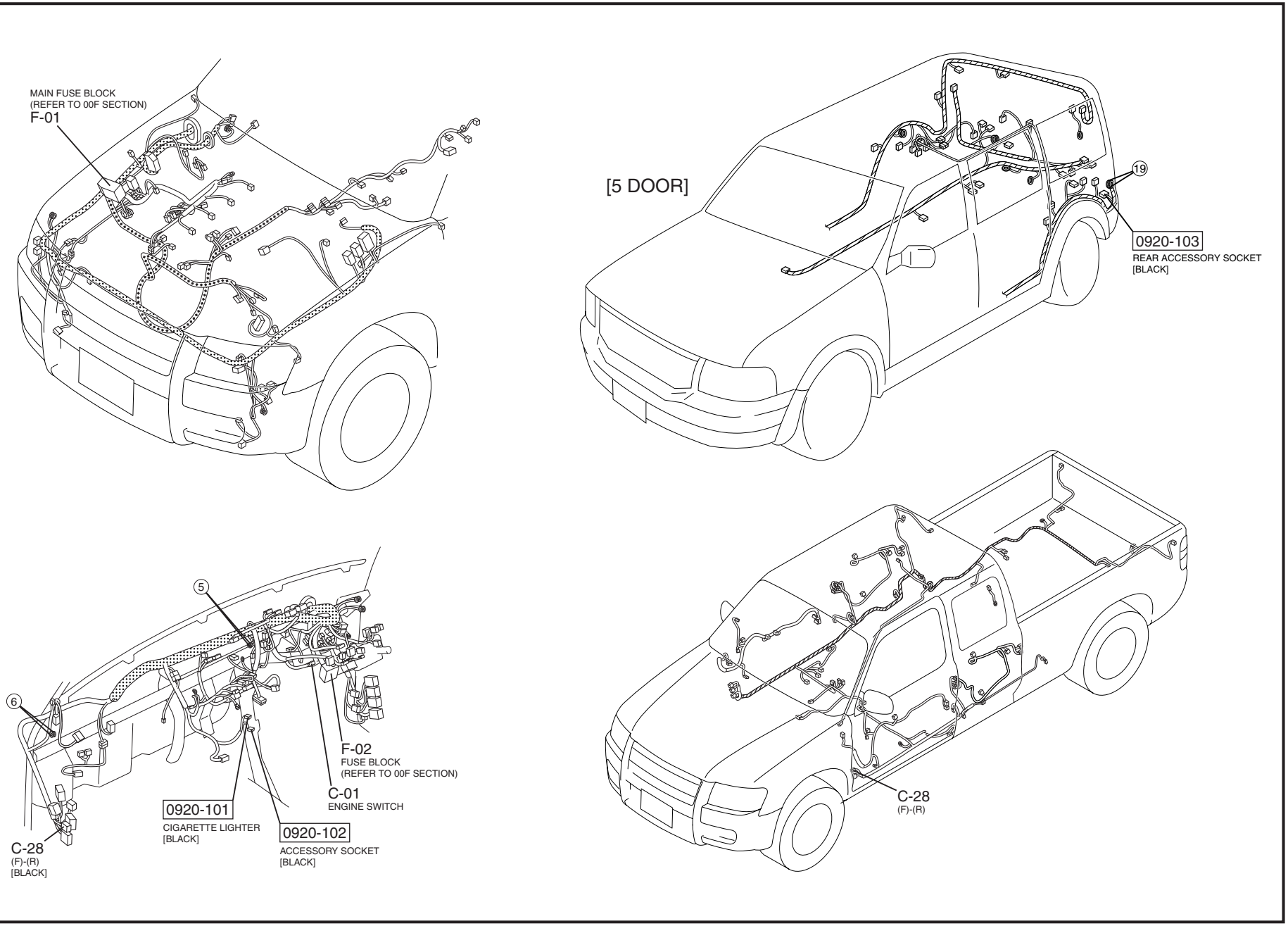
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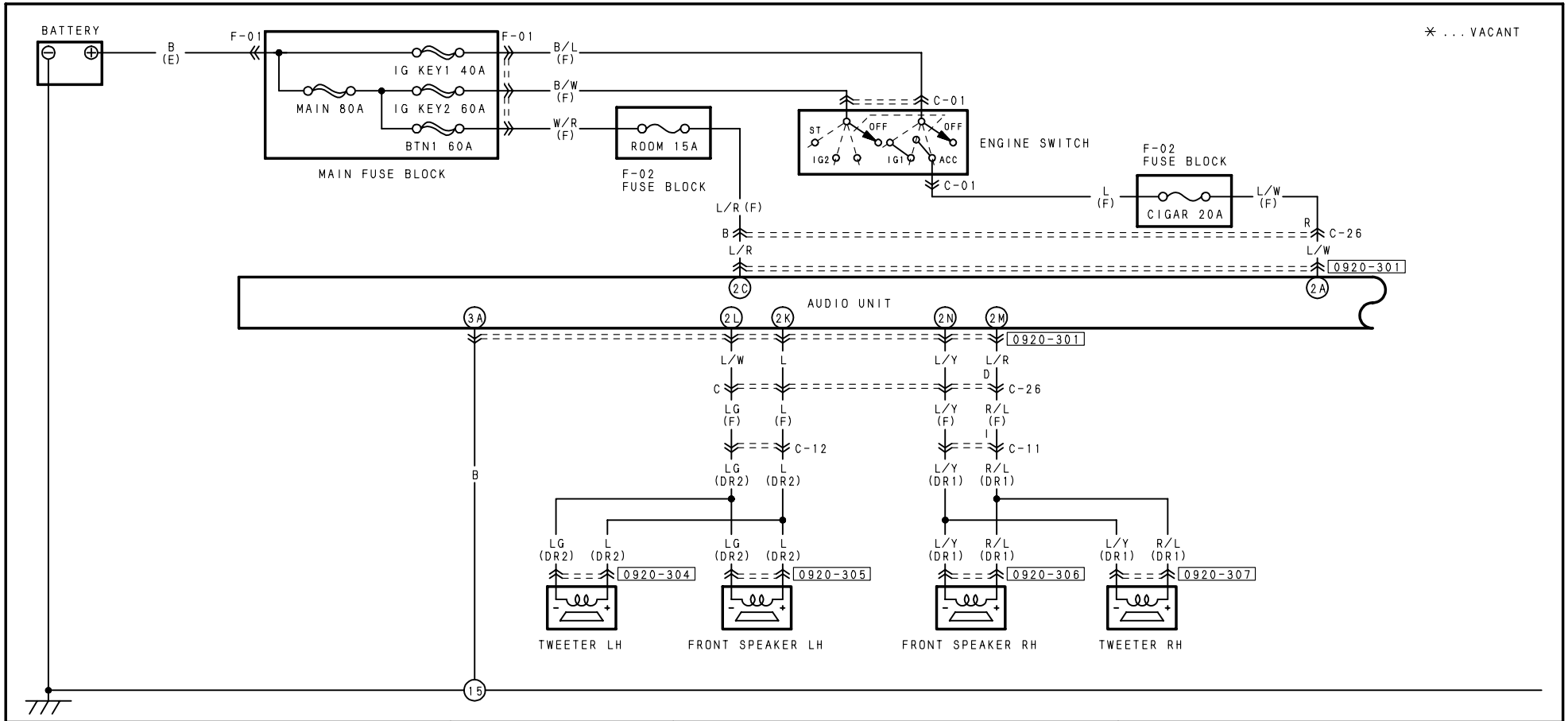
0920-101 CIGARETTE LIGHTER (F)	0920-102 ACCESSORY SOCKET (F)	0920-103 REAR ACCESSORY SOCKET (R)
L/W / B	L/W / B	L/W / * / B

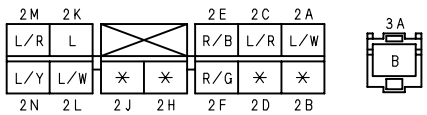
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



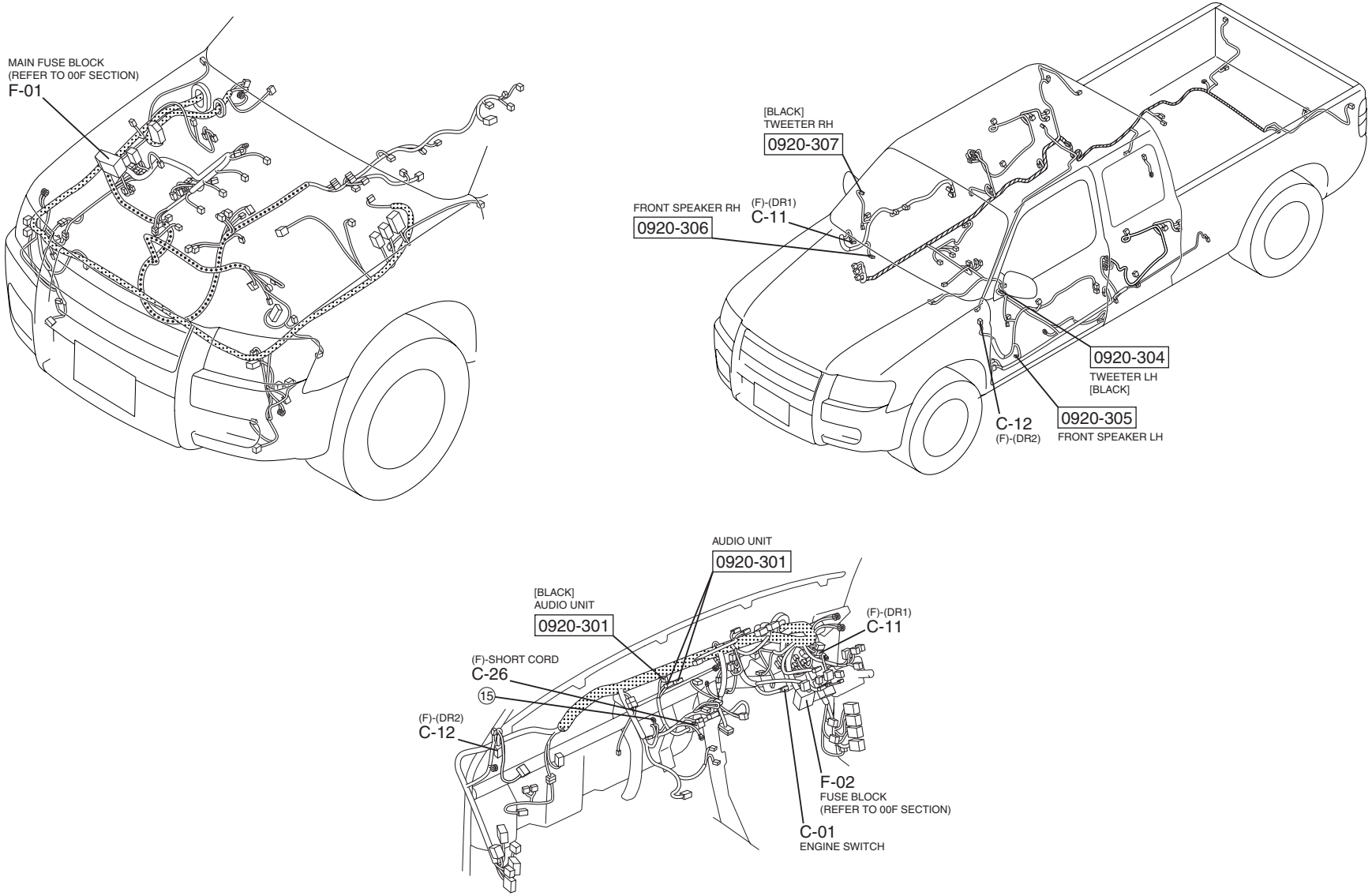
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0920-301 AUDIO UNIT (SHORT CORD)	0920-304 TWEETER LH (DR2)	0920-305 FRONT SPEAKER LH (DR2)	0920-306 FRONT SPEAKER RH (DR1)
			
	0920-307 TWEETER RH (DR1)		
			

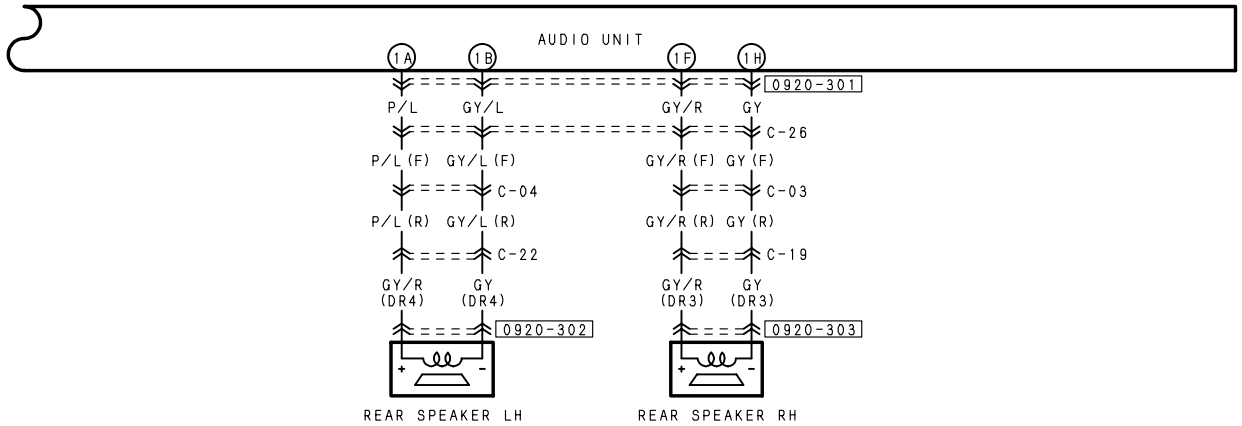
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

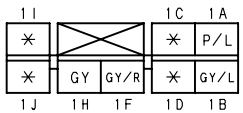


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✳ . . . VACANT



0920-301 AUDIO UNIT (SHORT CORD)



0920-302 REAR SPEAKER LH (DR4)

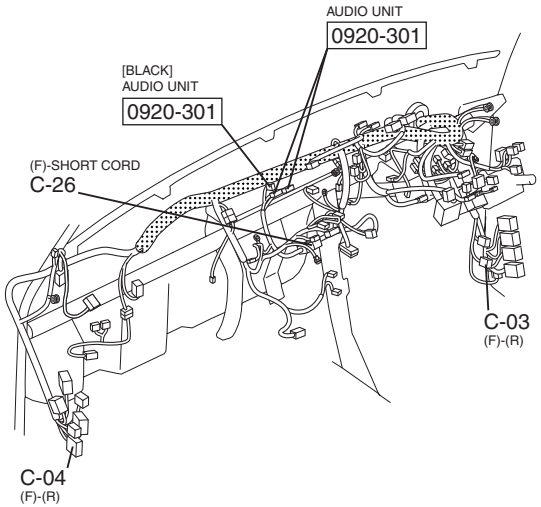


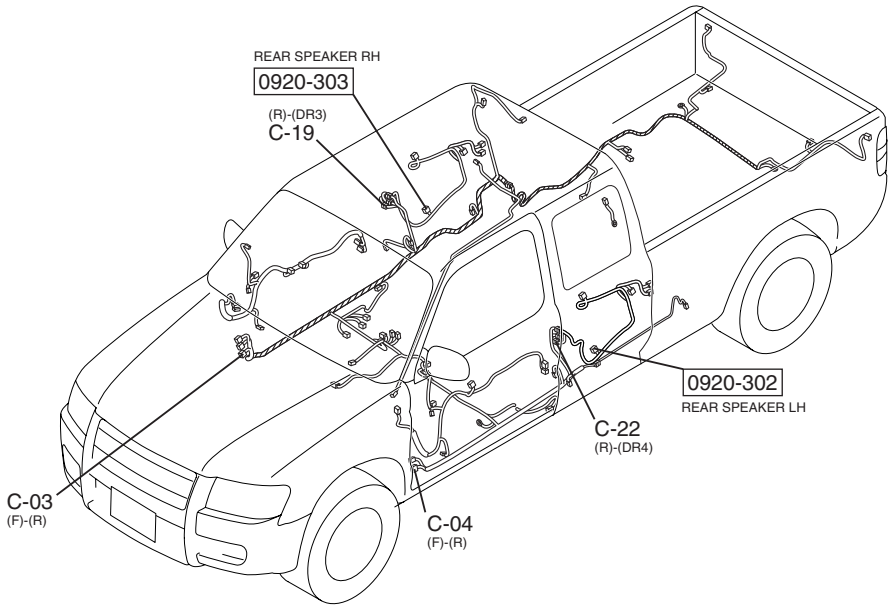
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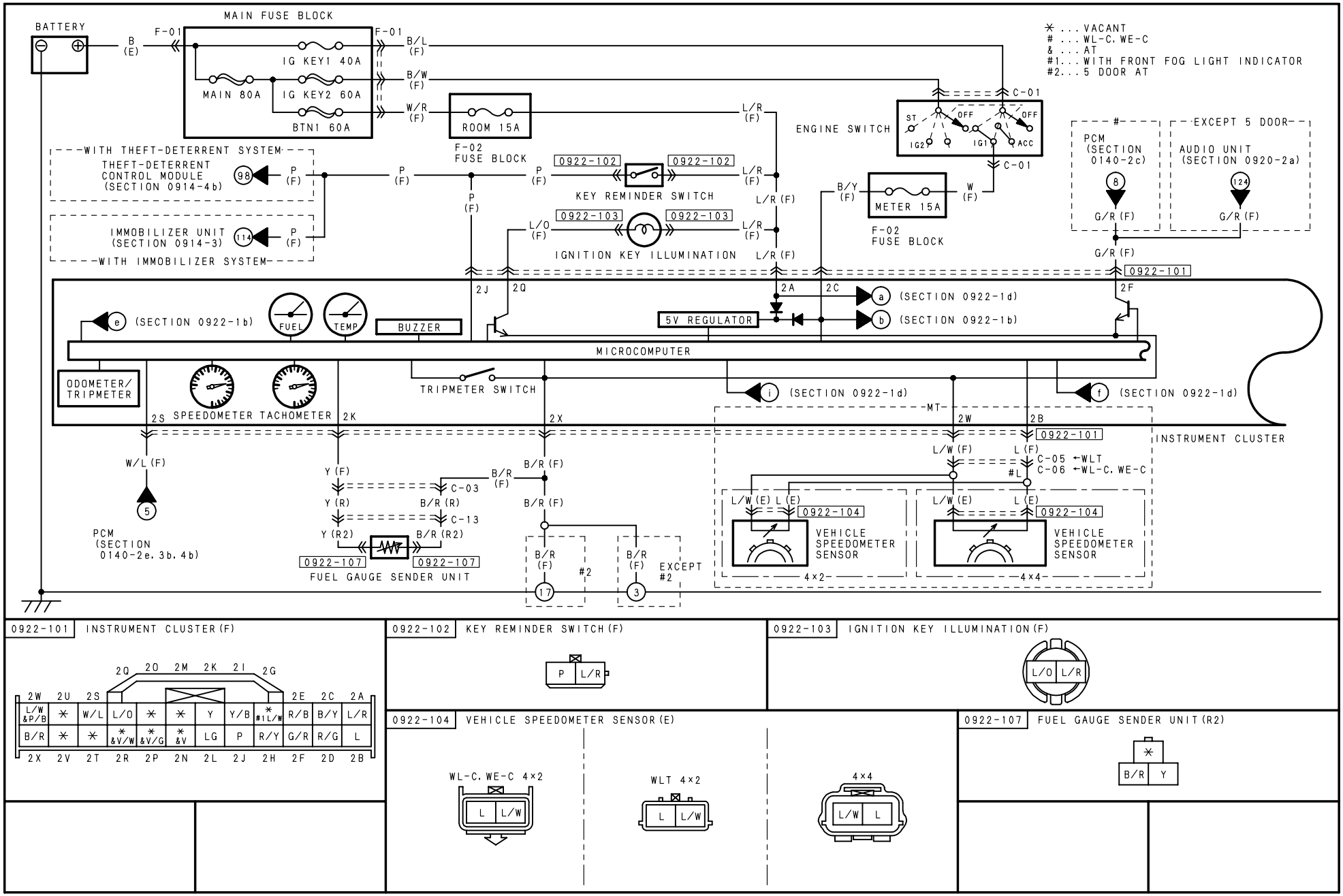
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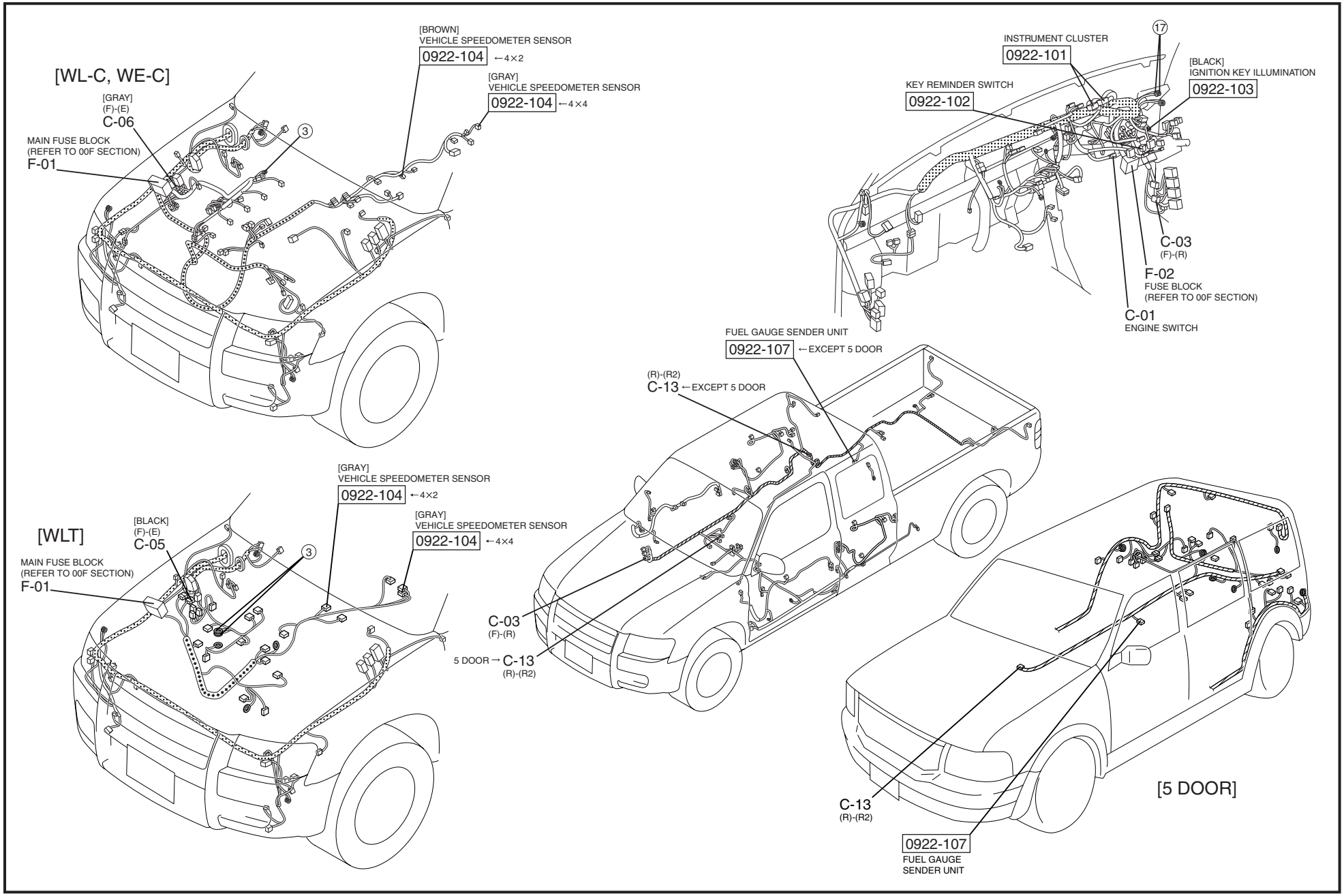


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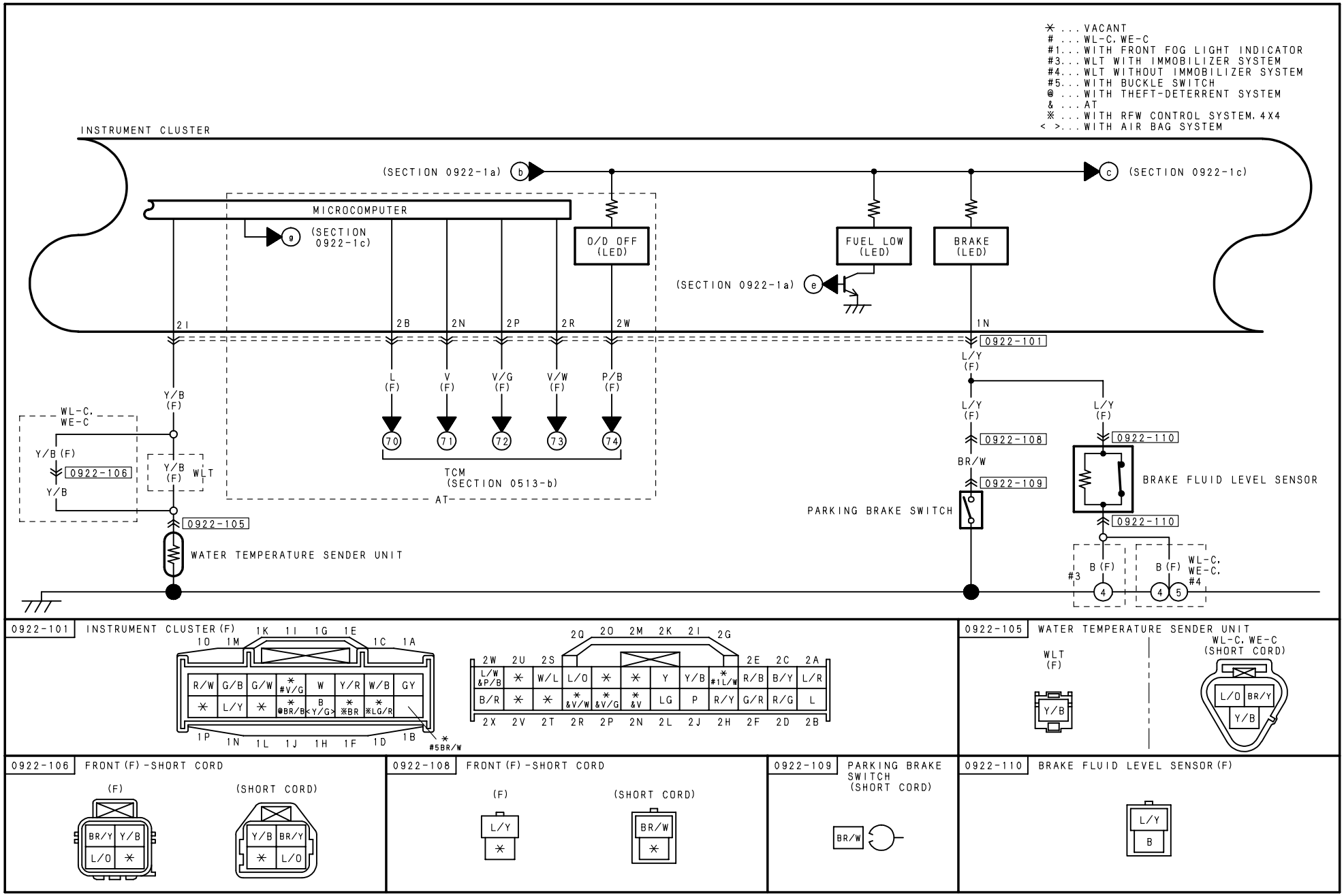


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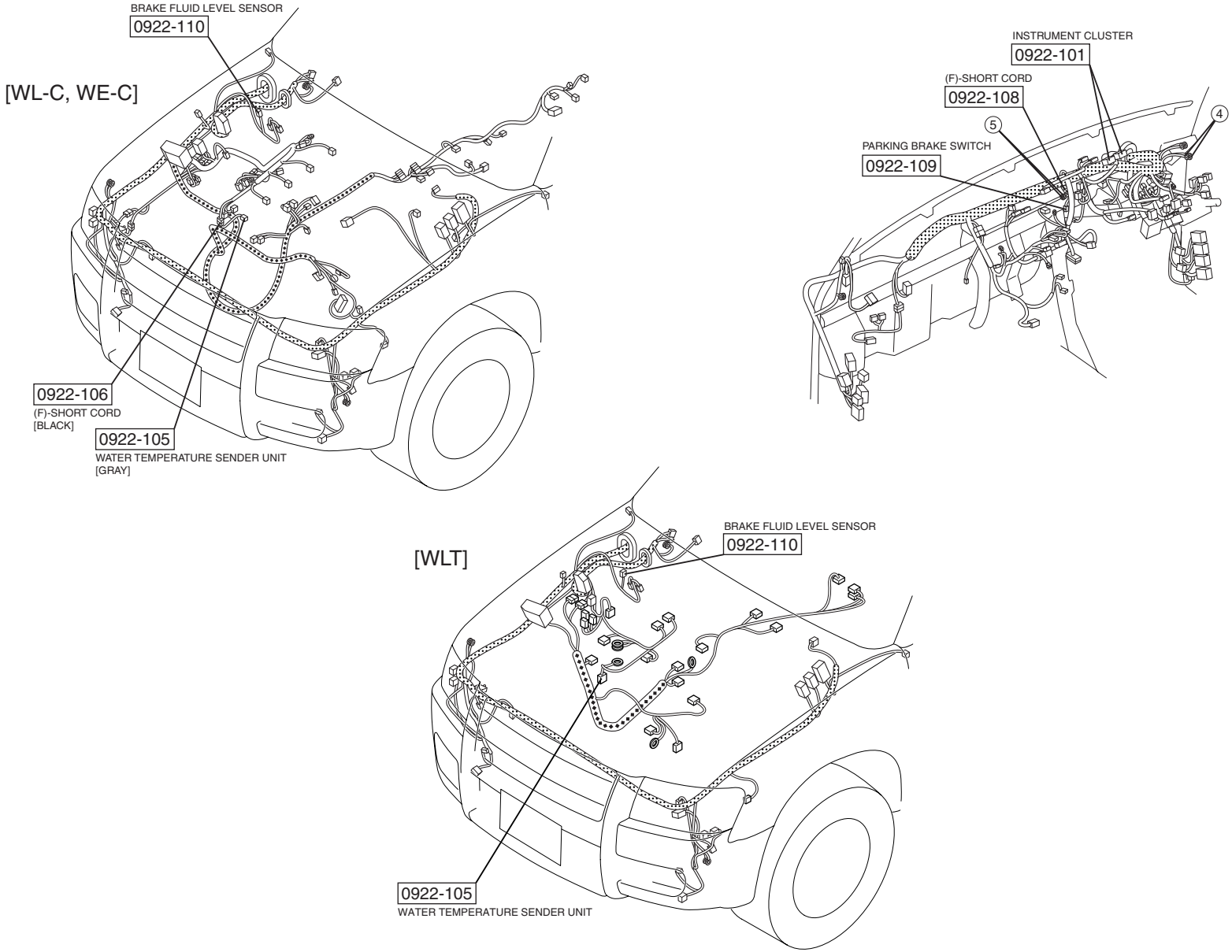


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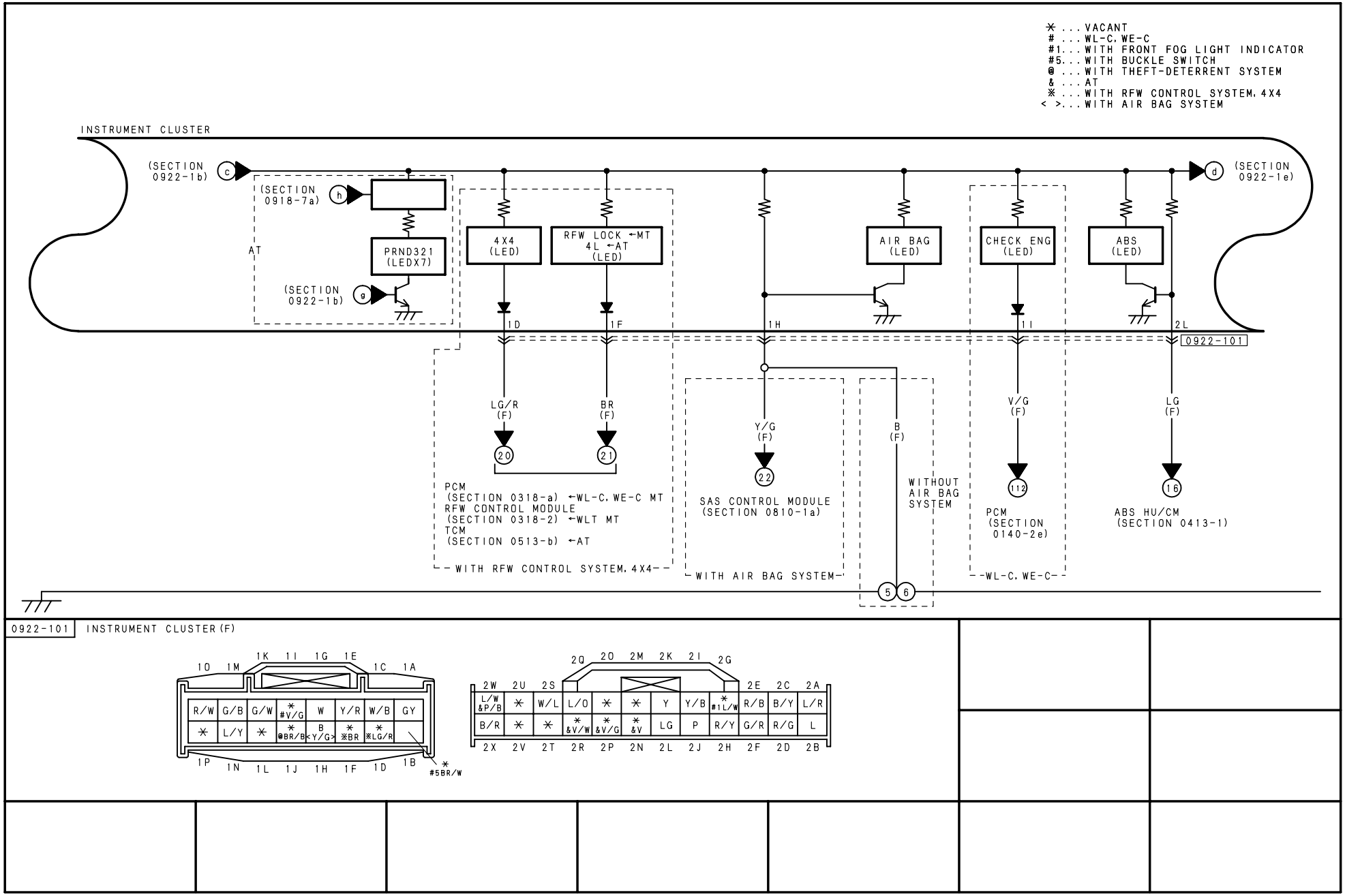


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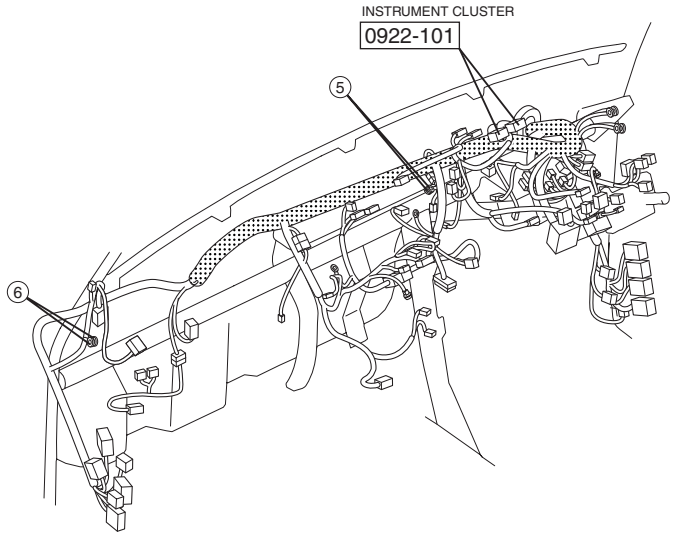


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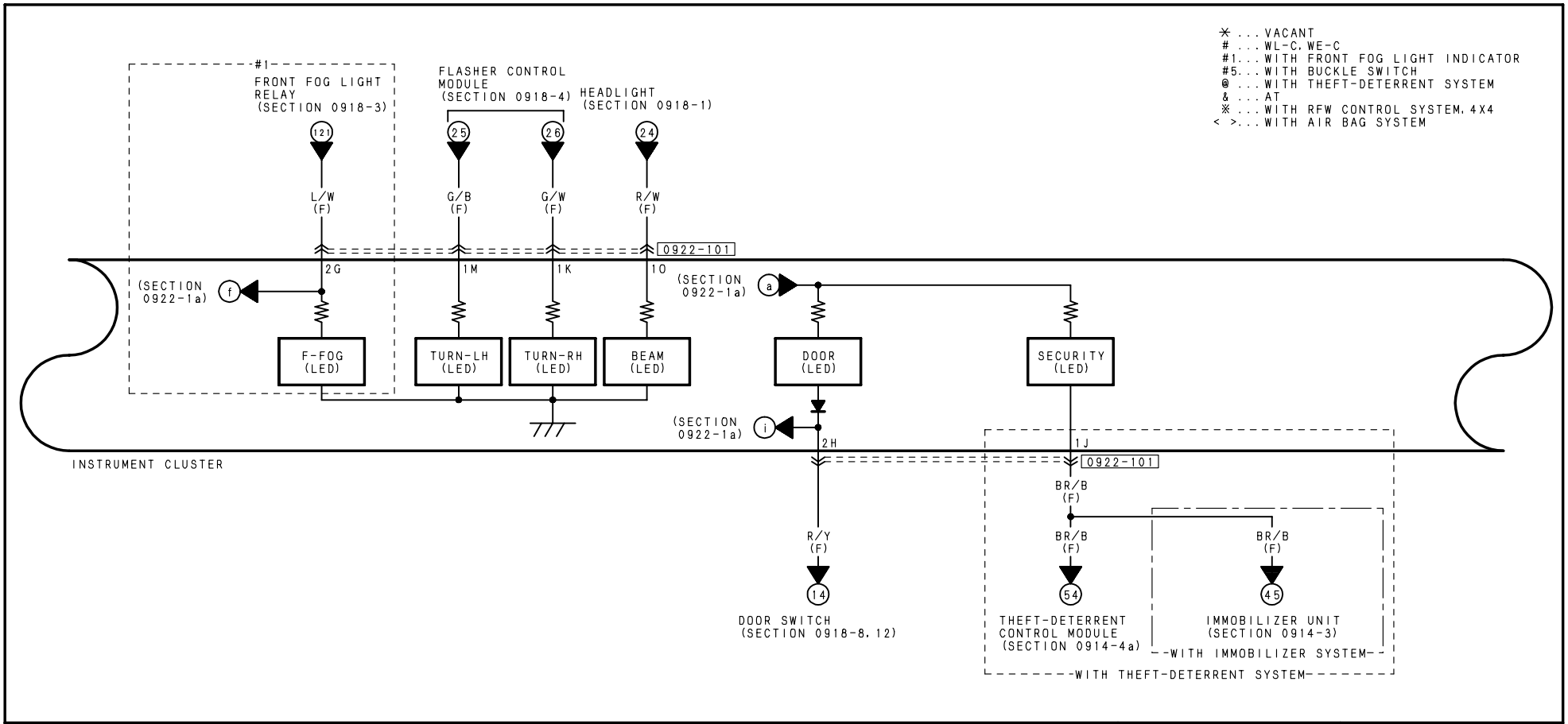


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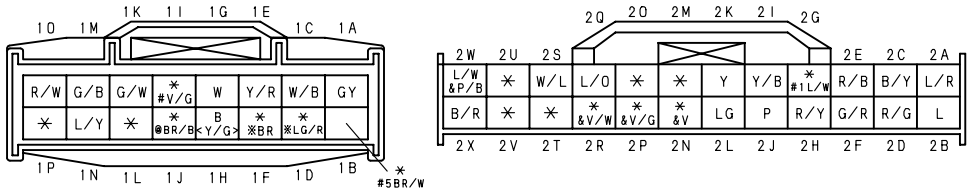
HARNESS SYMBOL: (F) (E) (R)



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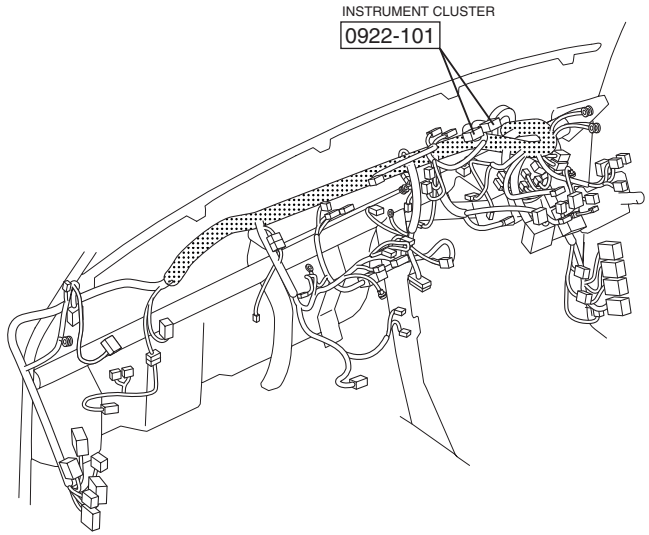


0922-101 INSTRUMENT CLUSTER (F)

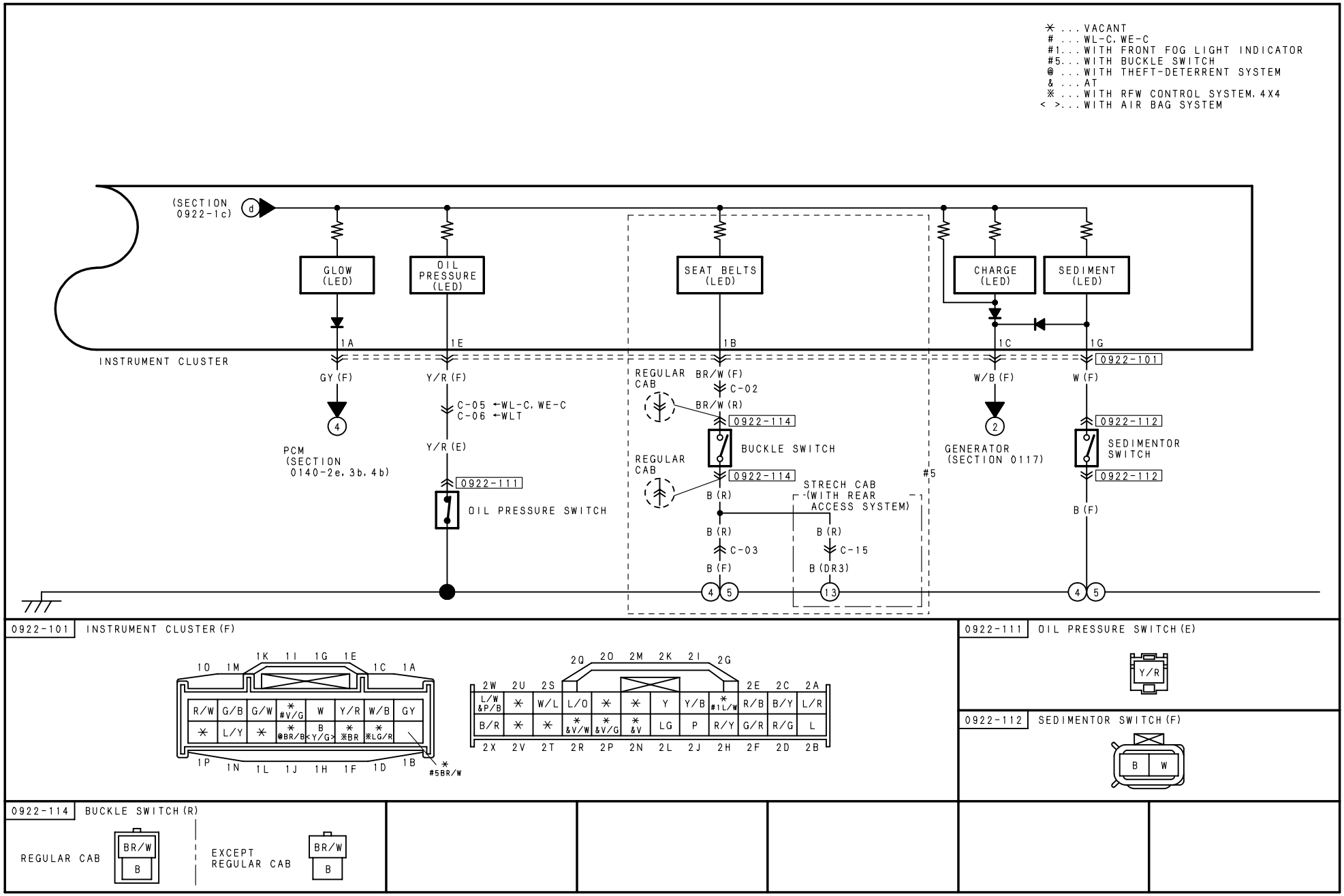


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HARNESS SYMBOL: (F) (E) (R)



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0922-101 INSTRUMENT CLUSTER (F)

0922-111 OIL PRESSURE SWITCH (E)

0922-112 SEDIMENTOR SWITCH (F)

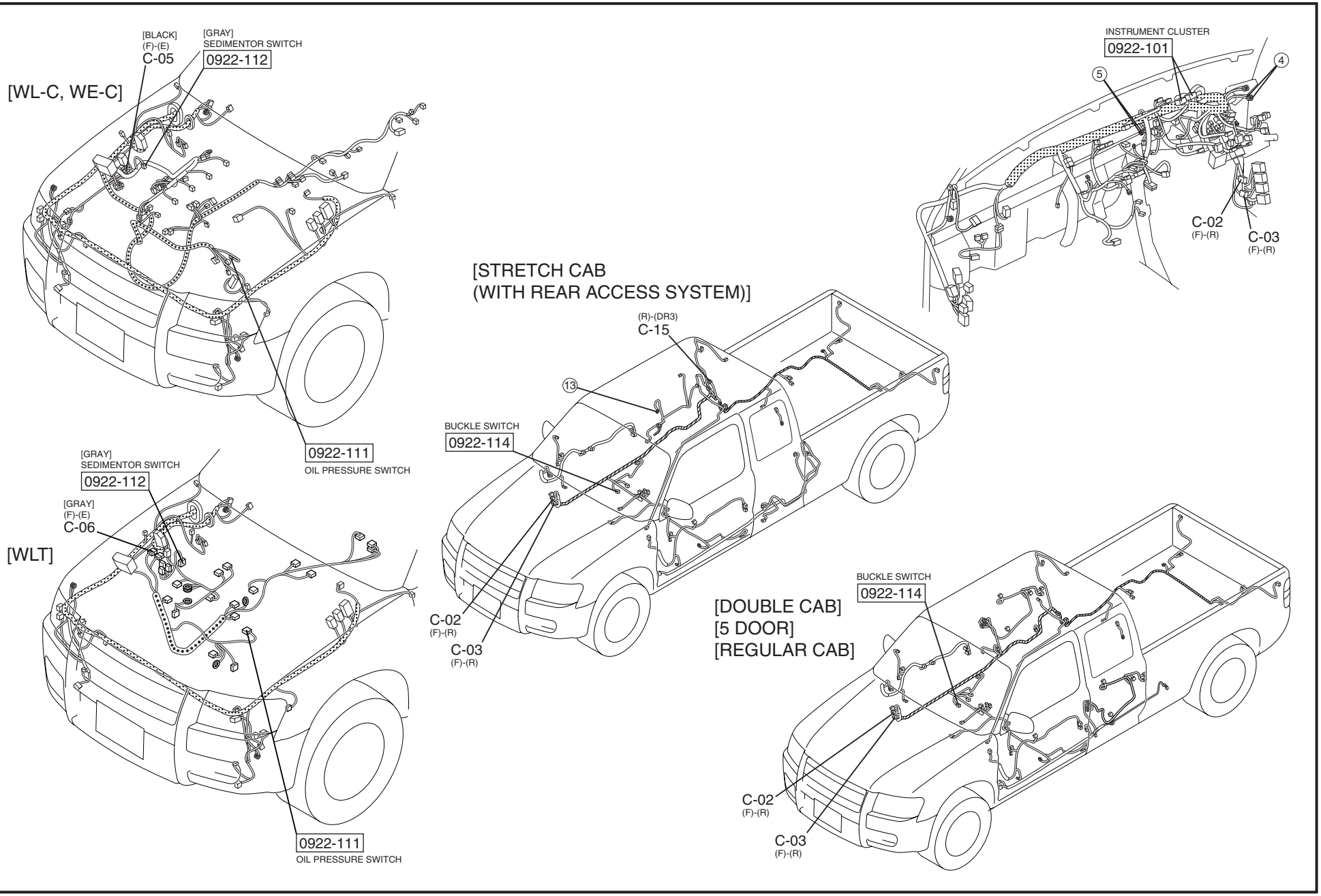
0922-114 BUCKLE SWITCH (R)

REGULAR CAB

EXCEPT REGULAR CAB

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HARNESS SYMBOL: (F) (E) (R)



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ALPHABETICAL INDEX

4
- 4X4 CONTROL MODULE 20
- 4X4 RELAY 20
- 4X4 SWITCH 22

A
- A/C AMPLIFIER 32
- A/C DIODE 32, 34
- A/C RELAY 32
- A/C SWITCH 32, 34
- ACCESSORY SOCKET 70
- AUDIO UNIT 72
- AT DIODE 24
- AT RELAY 24

B
- BACK-UP LIGHT 58
- BACK-UP LIGHT SWITCH 58
- BACK DOOR LOCK ACTUATOR 40
- BLOWER MOTOR 32, 34
- BLOWER RELAY 32, 34
- BLOWER UNIT 32
- BONNET SWITCH 44
- BRAKE FLUID LEVEL SENSOR 78
- BRAKE LIGHT 60
- BRAKE SWITCH 60
- BUCKLE SWITCH 84

C
- CIGARETTE LIGHTER 70
- CLIMATE CONTROL UNIT 32
- CLUTCH COIL 22
- COIL 42
- COMMON CONNECTOR LIST 8

D
- DATA LINK CONNECTOR 16
- DATA LINK CONNECTOR-2 16
- DIGITAL TRANSMISSION RANGE SENSOR 18, 22, 30, 58
- DOOR KEY CYLINDER SWITCH 44
- DOOR LOCK-LINK SWITCH 38, 46
- DOOR LOCK ACTUATOR 40
- DOOR LOCK CONTROL MODULE 38
- DOOR SWITCH 66

E
- ELECTRICAL WIRING SCHEMATIC 4

F
- FAN SWITCH 34
- FILAMENT 36
- FLASHER CONTROL MODULE 56
- FREE SOLENOID 20
- FRONT SIDE TURN LIGHT 56
- FRONT SPEAKER 72
- FRONT TURN LIGHT 56
- FUEL-FILLER LID OPENER 48
- FUEL-FILLER LID OPENER SWITCH 48
- FUEL GAUGE SENDER UNIT 76
- FUSE BOX 6

G
- GENERAL INFORMATION 2
- GLOVE COMPARTMENT LIGHT 64
- GROUND POINT 12

H
- HAZARD WARNING SWITCH 56
- HEADLIGHT 50
- HEADLIGHT RELAY 50
- HEADLIGHT SWITCH 50
- HIGH-MOUNT BRAKE LIGHT 60

I
- ILLUMINATION
  - 4X4 SWITCH 62
  - A/C SWITCH 62
  - AUDIO UNIT 62
  - CONSOLE 64
  - FUEL-FILLER LID OPENER SWITCH 64
  - HAZARD WARNING SWITCH 62
  - HEATER CONTROL 62
  - IGNITION KEY 76
  - INSTRUMENT CLUSTER 62
  - O/D OFF SWITCH 62
  - REAR A/C 64
  - REAR A/C SWITCH 64
  - REAR WINDOW DEFROSTER SWITCH 62
  - RFW MAIN SWITCH 64
- IMMOBILIZER UNIT 42
- INJECTION PUMP 42
- INSTRUMENT CLUSTER 76
- INTERIOR LIGHT 66
- INTERMEDIATE SHAFT SPEED SENSOR 26

K
- KEY REMINDER SWITCH 76

L
- LICENSE PLATE LIGHT 52
- LOCK SOLENOID 20

M
- MAGNETIC CLUTCH 32
- MAP LIGHT 66
- MOTOR COMPONENT 22

O
- O/D OFF SWITCH 24
- OIL PRESSURE SWITCH 84
- OUTPUT SHAFT SPEED SENSOR 30

P
- PANEL LIGHT CONTROL SWITCH 64
- PARKING BRAKE SWITCH 78
- PARKING LIGHT 54

R
- REAR A/C DIODE 32, 34
- REAR A/C SWITCH 34
- REAR ACCESSORY SOCKET 70
- REAR BLOWER MOTOR 34
- REAR BLOWER RELAY 34
- REAR FAN SWITCH 34
- REAR MAP LIGHT 66
- REAR RESISTOR 34
- REAR SPEAKER 74
- REAR TURN LIGHT 56
- REAR WASHER MOTOR 68
- REAR WINDOW DEFROSTER RELAY 36
- REAR WINDOW DEFROSTER SWITCH 36
- REAR WIPER AND WASHER SWITCH 68

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ALPHABETICAL INDEX

REAR WIPER MOTOR 68
REFRIGERANT PRESSURE SWITCH 32
RESISTOR 32, 34

S

SEDIMENTOR SWITCH 84
SIDE TURN LIGHT 56
SOLENOID BODY 28
SPEED SENSOR 22
SPEAKER
(FRONT) 72
(REAR) 74
STARTER 18
STARTER RELAY 18

T

TAILLIGHT 52
TCM 24
THEFT-DETERRENT CONTROL MODULE 44
THEFT-DETERRENT HORN 46
THEFT-DETERRENT HORN RELAY 46
TNS RELAY 50
TURBINE SHAFT SPEED SENSOR 26
TURN LIGHT 56
TURN SWITCH 56
TWEETER 72

V

VEHICLE IDENTIFICATION NUMBERS (VIN) 3
VEHICLE SPEEDOMETER SENSOR 76

W

WASHER MOTOR 68
WATER TEMPERATURE
SENDER UNIT 78
WINDOW DEFROSTER RELAY 36
WINDOW DEFROSTER SWITCH 36
WIPER AND WASHER SWITCH 68
WIPER MOTOR 68

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RANGER
EVEREST
WIRING DIAGRAMS SUPPLEMENT

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER / EVEREST and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.
As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Ford dealers. This manual should be kept up-to-date.

Ford Motor Company reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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Ford Motor Company

APPLICATION:
This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) shown on the following page.

CONTENTS

TITLE	SECTION
GENERAL INFORMATION	00
ENGINE	01
SUSPENSION	02
DRIVELINE/AXLE	03
BRAKES	04
TRANSMISSION/TRANSAXLE	05
STEERING	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07
RESTRAINTS	08
BODY & ACCESSORIES	09
ALPHABETICAL INDEX	AI

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VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)

RANGER

MNC BS319**W
MNC BS329**W
MNC BSED10*W
MNC BSED1W*
MNC BSEE10*W
MNC BSEE1W*
MNC BSFD10*W
MNC BSFD1W*
MNC BSFE10*W
MNC BSFE1W*
MNC DS319**W
MNC DS329**W
MNC DSED10*W
MNC DSED1W*
MNC DSEE10*W
MNC DSEE1W*
MNC DSFD10*W
MNC DSFD1W*
MNC DSFE10*W
MNC DSFE1W*
MNC LS319**W
MNC LS329**W
MNC LSED10*W
MNC LSED1W*
MNC LSEE10*W
MNC LSEE1W*
MNC LSFD10*W
MNC LSFD1W*
MNC LSFE10*W
MNC LSFE1W*
MNC US319**W
MNC US329**W
MNC USED10*W
MNC USED1W*
MNC USEE10*W
MNC USEE1W*
MNC USFD10*W
MNC USFD1W*
MNC USFE10*W
MNC USFE1W*
WF0 DMED10*W
WF0 DMED90*W
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WF0 DMEE90*W
WF0 DMFD10*W
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WF0 DMFE10*W
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WF0 LMED10*W
WF0 LMED90*W
WF0 LMEE10*W
WF0 LMEE90*W
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WF0 LMFE10*W
WF0 LMFE90*W
WF0 UMED10*W
WF0 UMED90*W
WF0 UMEE10*W
WF0 UMEE90*W
WF0 UMFD10*W
WF0 UMFD90*W
WF0 UMFE10*W
WF0 UMFE90*W

EVEREST

MNC LS4D10*W
MNC LS4D70*W
MNC LS4D90*W
MNC LS4E10*W
MNC LS4E70*W
MNC LS4E90*W
MNC US4D10*W
MNC US4D70*W
MNC US4D90*W
MNC US4E10*W
MNC US4E70*W
MNC US4E90*W

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SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS
VEHICLE IDENTIFICATION NUMBER (VIN) CODE.....2
VEHICLE IDENTIFICATION NUMBERS (VIN).....3

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC 4
F FUSE BOX 6
C COMMON CONNECTOR LIST 8
G GROUND POINT.....12

DATA LINK CONNECTOR

D DATA LINK CONNECTOR.....16

01 ENGINE

19 STARTING SYSTEM.....20
40 CONTROL SYSTEM
G6, F2.....22

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE
4X4 CONTROL SYSTEM.....28

05 TRANSMISSION/TRANSAXLE

13 AUTOMATIC TRANSMISSION
AUTOMATIC TRANSMISSION CONTROL SYSTEM ...32

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM
HEATER AND AIR CONDITIONER.....40
REAR HEATER AND AIR CONDITIONER.....42

09 BODY & ACCESSORIES

12 GLASS/WINDOWS/MIRRORS
REAR WINDOW DEFROSTER 44
POWER WINDOW SYSTEM..... 46
POWER OUTER MIRROR 50
14 SECURITY AND LOCKS
POWER DOOR LOCK SYSTEM 52
KEYLESS CONTROL MODULE..... 56
IMMOBILIZER SYSTEM..... 58
THEFT-DETERRENT SYSTEM..... 60
FUEL-FILLER LID OPENER..... 66
18 LIGHTING SYSTEMS
HEADLIGHT
WITHOUT DRL SYSTEM 68
WITH DRL SYSTEM..... 70
TURN AND HAZARD WARNING LIGHT..... 72
BACK-UP LIGHT 76
BRAKE LIGHT 78
HIGH-MOUNT BRAKE LIGHT..... 78
ILLUMINATION LIGHT..... 80
LICENSE PLATE LIGHT 86
PARKING LIGHT..... 86
TAILLIGHT 86
DAYTIME RUNNING LIGHT (DRL) SYSTEM..... 88
INTERIOR LIGHT
5 DOOR 90
19 WIPER/WASHER SYSTEM
REAR WIPER AND WASHER..... 92
20 ENTERTAINMENT
ACCESSORY SOCKET..... 94
CIGARETTE LIGHTER..... 94
AUDIO SYSTEM
5 DOOR 96
22 INSTRUMENTATION/DRIVER INFO.
INSTRUMENT CLUSTER..... 100

AI ALPHABETICAL INDEX

ALPHABETICAL INDEX 110

Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

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VEHICLE IDENTIFICATION NUMBER (VIN) CODE

RANGER

Ⓐ M N B B S 1 D 1 0 6 Ⓐ 1 2 3 4 5 6 Ⓐ

Serial No.		
Plant	Algeria:	Ⓐ mark
	Others:	W=A. A. Thailand
Model Yesr Production year		7= 2007, 8=2008, 9=2009... 6= 2006, 7=2007, 8=2008...
Check Digit	Gulf:	0 to 9, X
Plant	Algeria:	W= A. A. Thailand
No meaning	Others:	0
Engine type		6= F2E (2.2 EGI) 1= WL-C (2.5 L-DI) 9= WE-C (3.0 L-DI) 2= WL-3 (2.5 L Diesel-Emission Turbo) 4= WL-Turbo (2.5L Diesel turbo) 7= G6E (2.6 EGI)
Gross vehicle weight	Gulf only	Other
	1=	D= 2268—2721 kg {5001—6000 lbs}
	2=	E= 2722—3175 kg {6001—7000 lbs}
Body style	Gulf only	Others
	8=	A= Regular cab.-without box B= Regular cab.-with box
	3=	E= Double cab.-without box F= Double cab.-with box
	2=	1= Stretch cab. (with Rear Access System) -without box 2= Stretch cab. (with Rear Access System) -with box
Product sorce		M= Thailand (for Europe (L.H.D.)) S= Japan (for Australia, General (R.H.D.), General (L.H.D.), Gulf)
Air bag		B= Seatbelt only D= with Air bag (Driver side) L= with Air bag (Driver and Passenger) U= with Air bag (Driver, Passenger and Side air bag)
World manufacturer identification		WF0=FORD (European (L.H.D.)) MNA=FORD (Australian) MNB=FORD (General (R.H.D.)) MNC=FORD (General (L.H.D.), Gulf)

Ⓐ : This mark is used only for Algerian model, in order to identify the manufacturer.

EVEREST

M N B L S 4 D 1 0 6 W 1 2 3 4 5 6

Serial No.	
Plant	W=A. A. Thailand
Production year	6= 2006, 7= 2007, 8=2008...
No meaning	0
Engine type	7= G6E (2.6 EGI) 1= WL-C (2.5 L-DI) 9= WE-C (3.0 L-DI)
Gross vehicle weight	D= 2268—2721 kg {5001—6000 lbs} E= 2722—3175 kg {6001—7000 lbs}
Body style	4= New Wagon
Product sorce	S= Japan
Air bag	L= with Air bag (Driver and Passenger) U= with Air bag (Driver, Passenger and Side air bag)
World manufacturer identification	MNB= FORD (General (R.H.D.)) MNC= FORD (General (L.H.D.))

VEHICLE IDENTIFICATION NUMBERS (VIN)

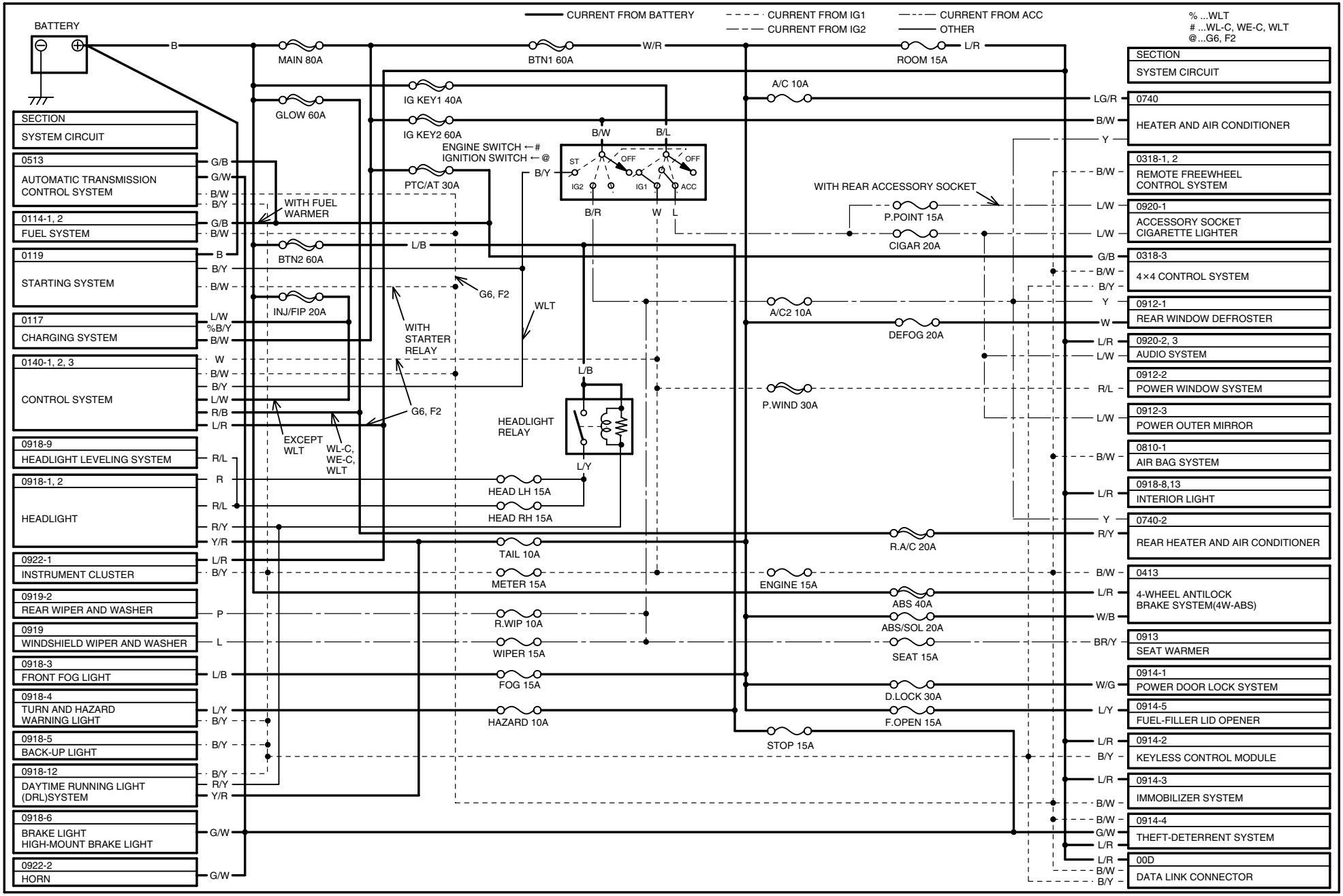
RANGER

MNC BS319W**
MNC BS329W**
MNC BSED10*W
MNC BSED1W*
MNC BSEE10*W
MNC BSEE1W*
MNC BSFD10*W
MNC BSFD1W*
MNC BSFE10*W
MNC BSFE1W*
MNC DS319W**
MNC DS329W**
MNC DSED10*W
MNC DSED1W*
MNC DSEE10*W
MNC DSEE1W*
MNC DSFD10*W
MNC DSFD1W*
MNC DSFE10*W
MNC DSFE1W*
MNC LS319W**
MNC LS329W**
MNC LSED10*W
MNC LSED1W*
MNC LSEE10*W
MNC LSEE1W*
MNC LSFD10*W
MNC LSFD1W*
MNC LSFE10*W
MNC LSFE1W*
MNC US319W**
MNC US329W**
MNC USED10*W
MNC USED1W*
MNC USEE10*W
MNC USEE1W*
MNC USFD10*W
MNC USFD1W*
MNC USFE10*W
MNC USFE1W*
WF0 DMED10*W
WF0 DMED90*W
WF0 DMEE10*W
WF0 DMEE90*W
WF0 DMFD10*W
WF0 DMFD90*W
WF0 DMFE10*W
WF0 DMFE90*W
WF0 LMED10*W
WF0 LMED90*W
WF0 LMEE10*W
WF0 LMEE90*W
WF0 LMFD10*W
WF0 LMFD90*W
WF0 LMFE10*W
WF0 LMFE90*W
WF0 UMED10*W
WF0 UMED90*W
WF0 UMEE10*W
WF0 UMEE90*W
WF0 UMFD10*W
WF0 UMFD90*W
WF0 UMFE10*W
WF0 UMFE90*W

EVEREST

MNC LS4D10*W
MNC LS4D70*W
MNC LS4D90*W
MNC LS4E10*W
MNC LS4E70*W
MNC LS4E90*W
MNC US4D10*W
MNC US4D70*W
MNC US4D90*W
MNC US4E10*W
MNC US4E70*W
MNC US4E90*W

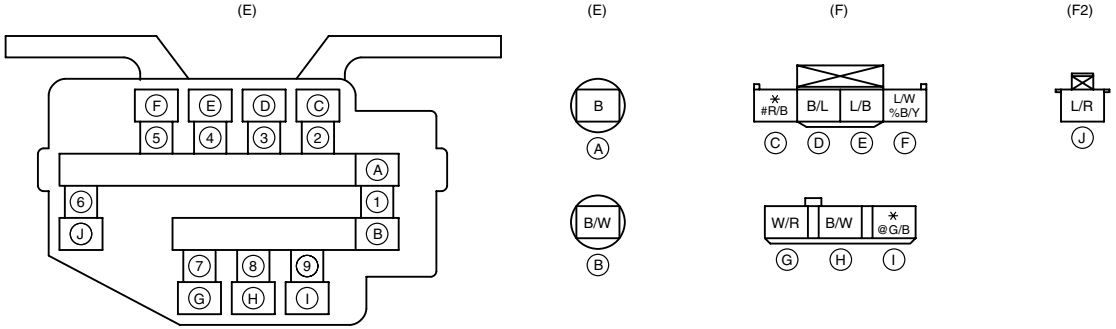
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F-01 MAIN FUSE BLOCK

✳...VACANT
...WL-C, WE-C, WLT, G6 5 DOOR
% ...WLT
@ ...WITH FUEL WARMER, AT

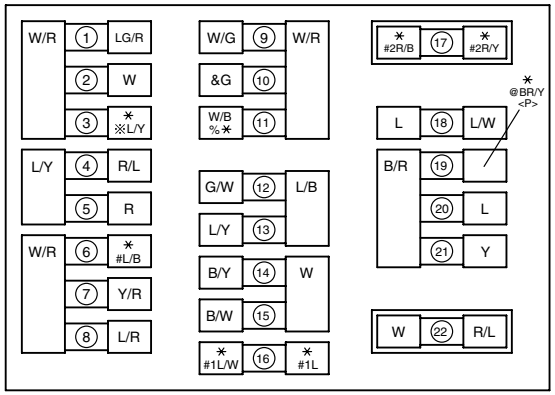


NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	80A	6	(ABS)	40A
2	(GLOW)	60A	7	BTN1	60A
3	IG KEY1	40A	8	IG KEY2	60A
4	BTN2	60A	9	(PTC/AT)	30A
5	(INJ/FIP)	20A			

( )IF EQUIPPED

F-02 FUSE BLOCK(F)



NOTE:SEEN FROM TERMINAL SIDE

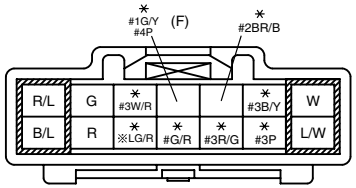
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	(A/C)	10A	12	STOP	15A
2	(DEFOG)	20A	13	HAZARD	10A
3	(F.OPEN)	15A	14	METER	15A
4	HEAD RH	15A	15	ENGINE	15A
5	HEAD LH	15A	16	(P.POINT)	15A
6	(FOG)	15A	17	(R.A/C)	20A
7	TAIL	10A	18	CIGAR	20A
8	ROOM	15A	19	@1 (SEAT) @2 (R.WIP)	@1 15A @2 10A
9	(D.LOCK)	30A	20	WIPER	15A
10	(P.WIND)	30A	21	(A/C2)	10A
11	(ABS/SOL)	20A	22	(P.WIND)	30A

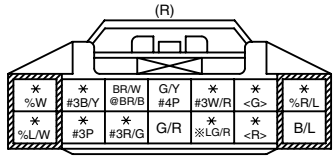
✳...VACANT
...WL-C, WE-C, WLT, G6
% ...F2
@ ...WITH SEAT WARMER
& ...NOT USED
※ ...WITH FUEL FILLER LID OPENER
#1 ...WITH REAR ACCESSORY SOCKET
#2 ...WITH REAR A/C
< > ...WITH REAR WIPER AND WASHER
@1 ...EXCEPT 5 DOOR
@2 ...5 DOOR

( )IF EQUIPPED

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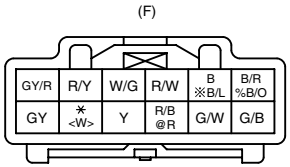
C-02 FRONT(F)-REAR(R)

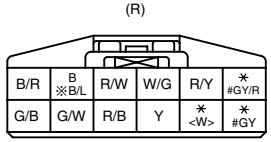




⁎...VACANT
...G6, F2
< >...WITH REAR POWER DOOR LOCK SYSTEM
% ...WITH REAR POWER WINDOW SYSTEM
@ ...REGULAR CAB
#1...WITH REAR FOG LIGHT
#2...WITH SEAT WARMER
#3...AT
#4...WITH REAR WIPER AND WASHER
※...WITH THEFT-DETERRENT SYSTEM

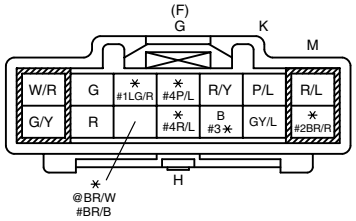
C-03 FRONT(F)-REAR(R)



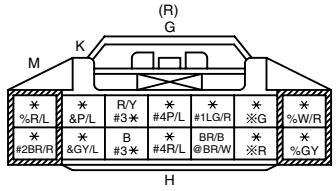


⁎...VACANT
...WITH REAR SPEAKER
@ ...WITH DRL SYSTEM
% ...G6, F2
※...5 DOOR
< >...4×4 AT

C-04 FRONT(F)-REAR(R)

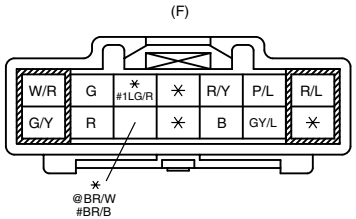


WITH AIR BAG SYSTEM

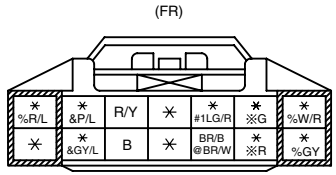


⁎...VACANT
...WITH SEAT WARMER
@ ...WITH BUCKLE SWITCH
% ...WITH REAR POWER WINDOW SYSTEM
& ...WITH REAR SPEAKER
※...WITH REAR POWER DOOR LOCK SYSTEM
#1...WITH THEFT-DETERRENT SYSTEM
#2...5 DOOR WITH THEFT-DETERRENT SYSTEM
#3...5 DOOR
#4...WITH REAR WIPER AND WASHER

C-04 FRONT(F)-FLOOR(FR)



WITHOUT AIR BAG SYSTEM

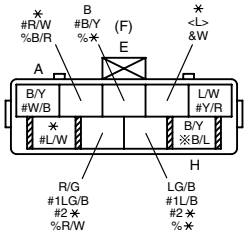


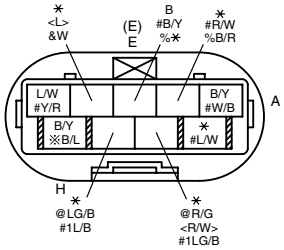
⁎...VACANT
...WITH SEAT WARMER
@ ...WITH BUCKLE SWITCH
% ...WITH REAR POWER WINDOW SYSTEM
& ...WITH REAR SPEAKER
※...WITH REAR POWER DOOR LOCK SYSTEM
#1...WITH THEFT-DETERRENT SYSTEM

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COMMON CONNECTOR LIST

C-05 FRONT(F)-ENGINE(E)

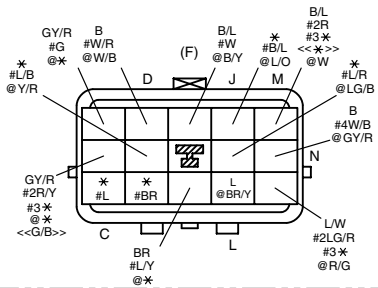


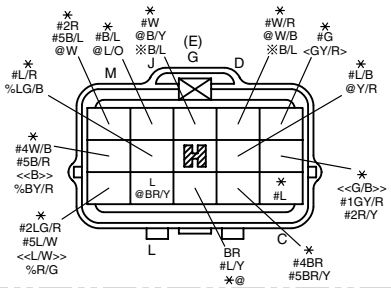


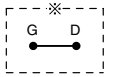
✳...VACANT
@ ...WITH RFW CONTROL SYSTEM
...WL-C, WE-C, G6
% ...WLT
< >...WLT, F2
& ...WL-C, WE-C
※...WITH STARTER RELAY
#1 ...4×4 AT
#2 ...4×2 AT

C-06 FRONT(F)-ENGINE(E)

EXCEPT F2



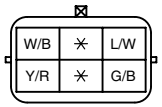




✳...VACANT
% ...WLT WITH RFW CONTROL SYSTEM
...WL-C, WE-C
@ ...WLT
※...WITH SPEED LIMITER
< >...G6 WITH RFW CONTROL SYSTEM
<< >>...G6
#1...WL-C, WE-C WITH RFW CONTROL SYSTEM
#2...4×4 AT
#3...4×2 AT
#4...AT
#5...WL-C, WE-C MT

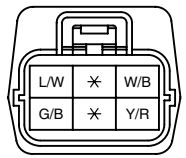
✳...VACANT

(F)



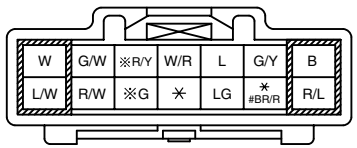
F2

(E)

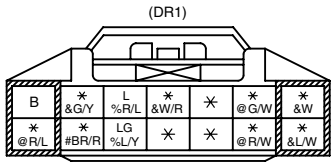


C-11 FRONT(F)-DOOR No.1(DR1)

(F)



(DR1)



✳...VACANT
...WITH THEFT-DETERRENT SYSTEM
@ ...WITH POWER WINDOW SYSTEM
& ...WITH REAR POWER WINDOW SYSTEM
% ...WITHOUT POWER DOOR LOCK SYSTEM, WITHOUT POWER WINDOW SYSTEM, WITHOUT POWER OUTER MIRROR
※...NOT USED

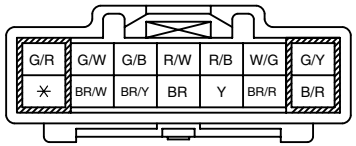
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C-13 REAR(R)-REAR No.2(R2)

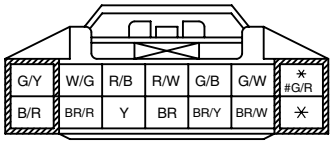
EXCEPT 5 DOOR

✳...VACANT
...G6, F2

(R)



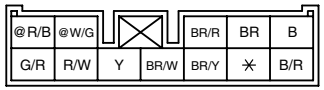
(R2)



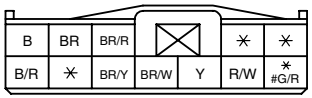
5 DOOR

✳...VACANT
...G6, F2
@ ...NOT USED

(R)



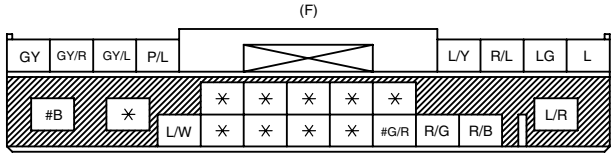
(R2)



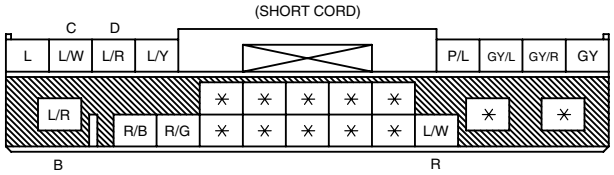
C-26 FRONT(F)-SHORT CORD

✳...VACANT
...NOT USED

(F)



(SHORT CORD)



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COMMON CONNECTOR LIST

C-28 FRONT(F)-REAR(R)

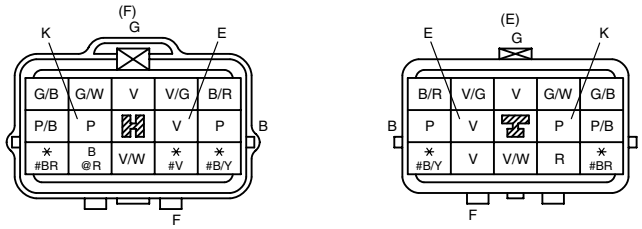


C-29 FRONT(F)-ENGINE(E)



C-30 FRONT(F)-ENGINE(E)

✳ ...VACANT
...4×4 AT
@ ...WITH STARTER CUT SYSTEM



C-31 FRONT(F)-ENGINE(E)

✳ ...VACANT
...NOT USED



C-32 REAR(R)-REAR No.4(R4)

✳ ...VACANT
...WITH THEFT-DETERRENT SYSTEM



C-33 REAR(R)-REAR No.4(R4)

✳ ...VACANT



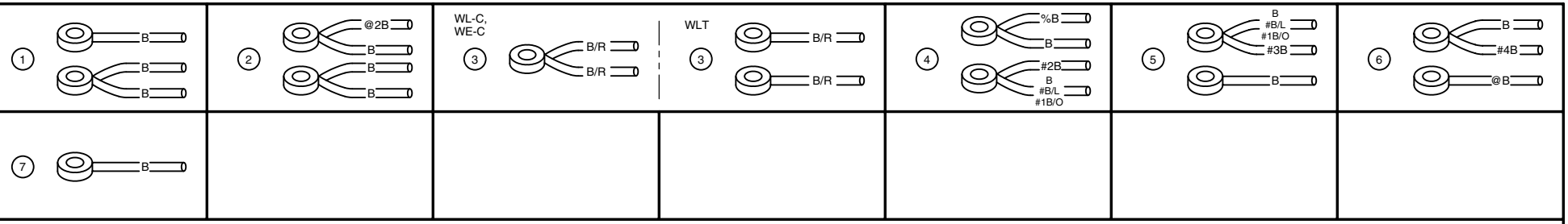
C-34 SHORT CONNECTOR(F)

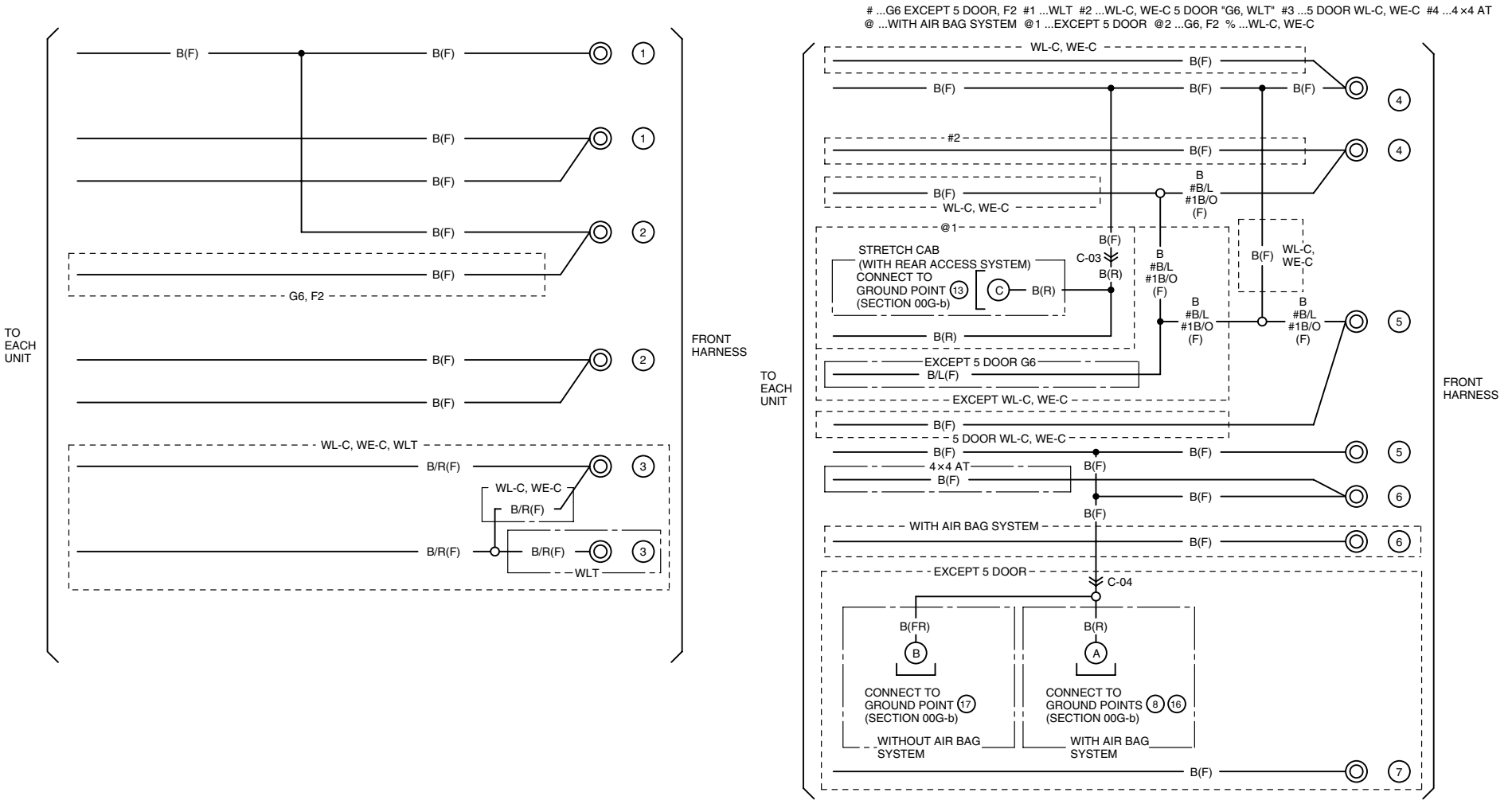
✳ ...VACANT



11

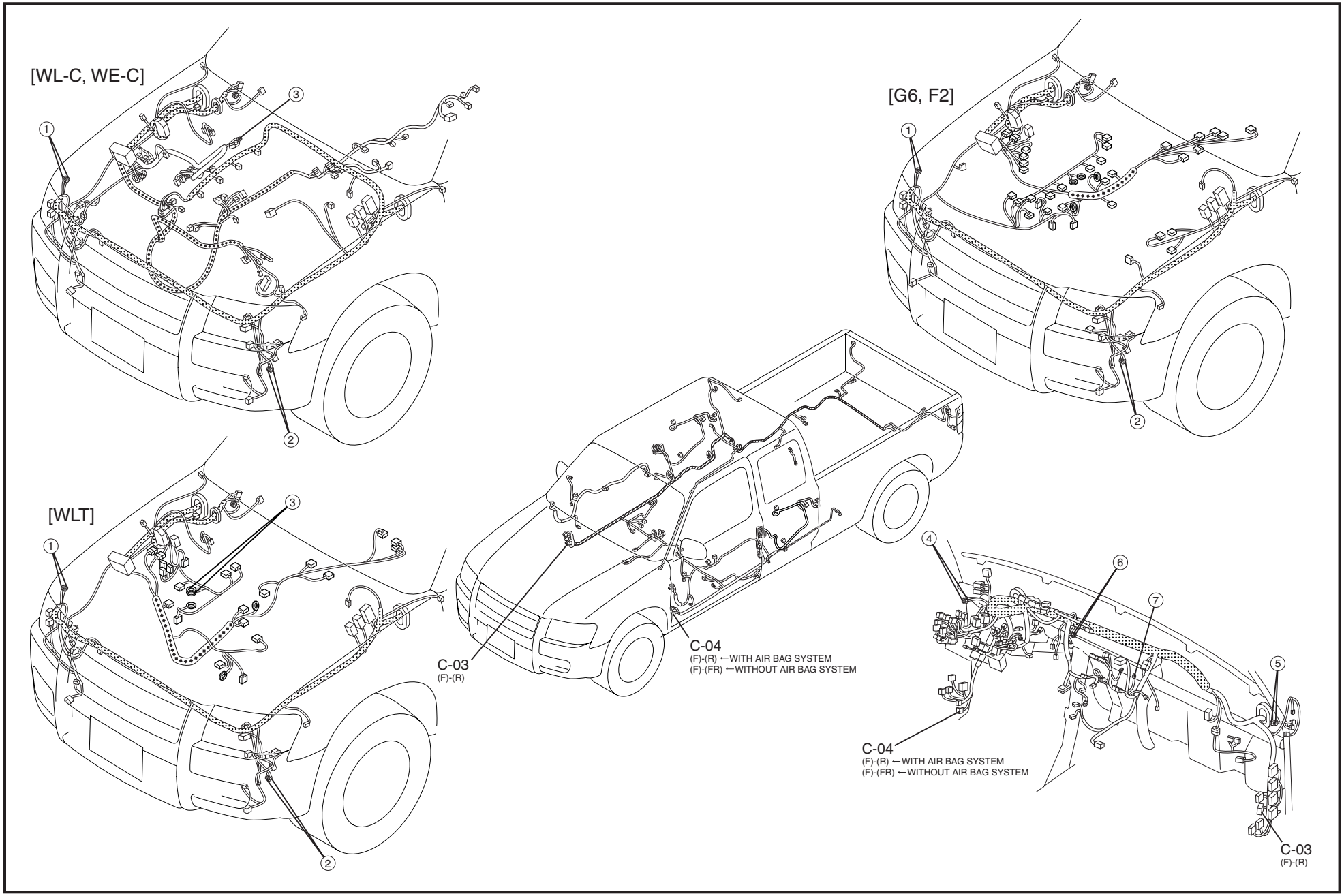
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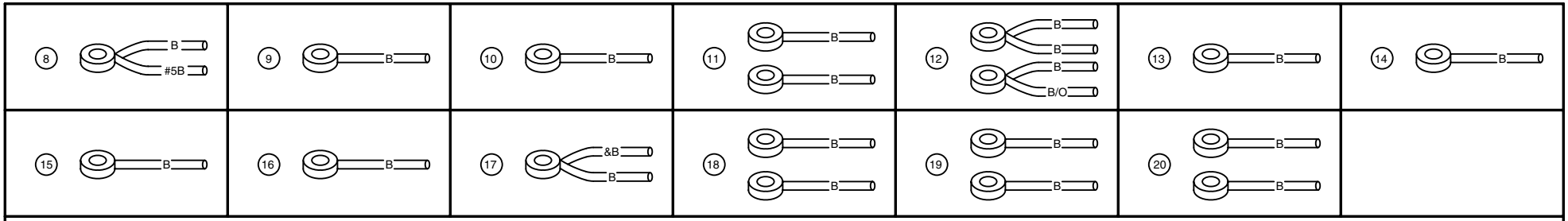


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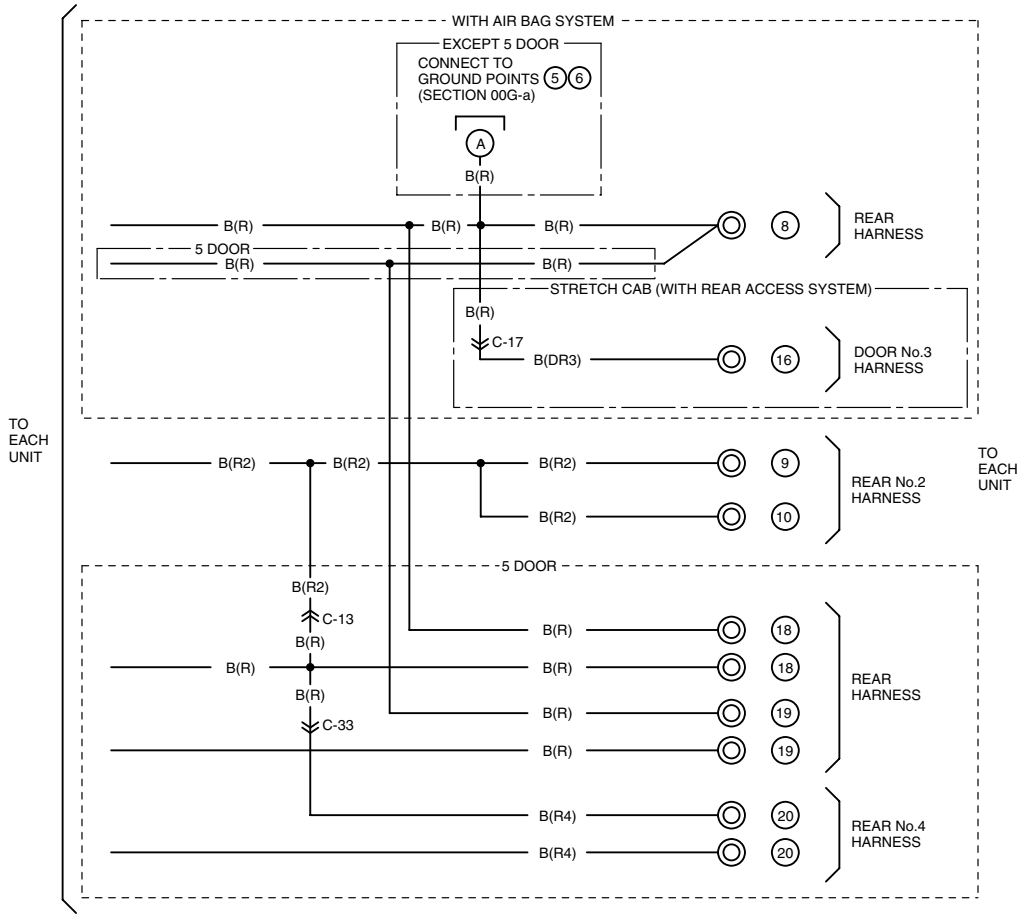
HARNESS SYMBOL: (F) (E) (R)

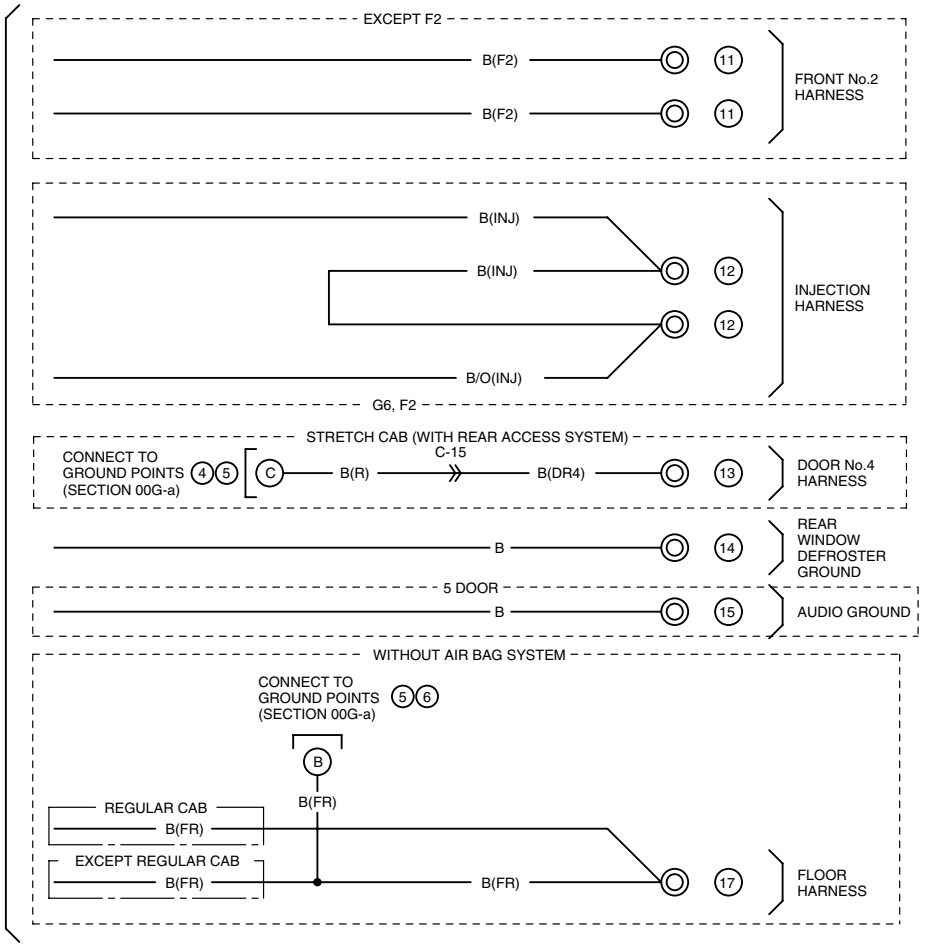


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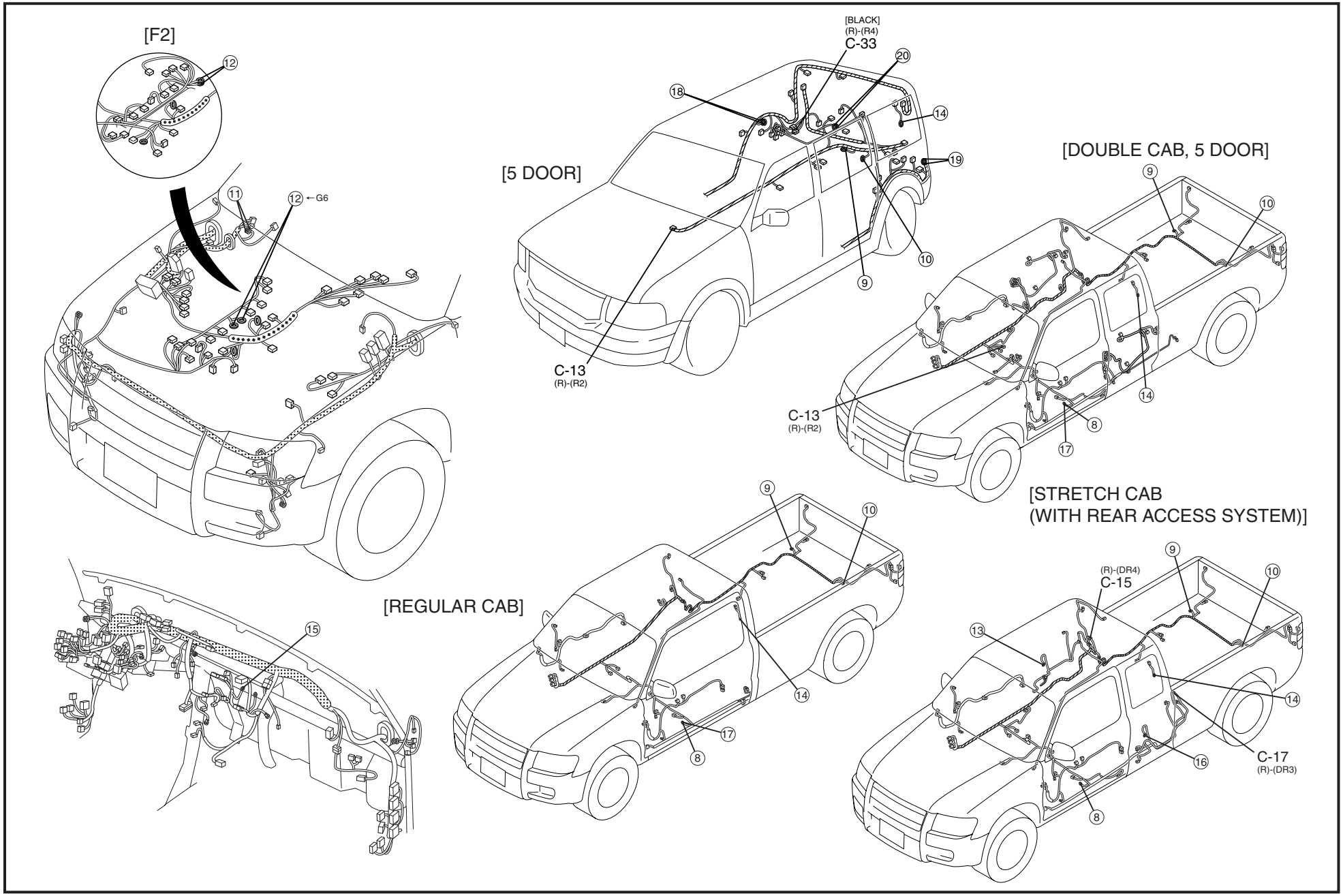
& ...REGULAR CAB
#5 ...5 DOOR



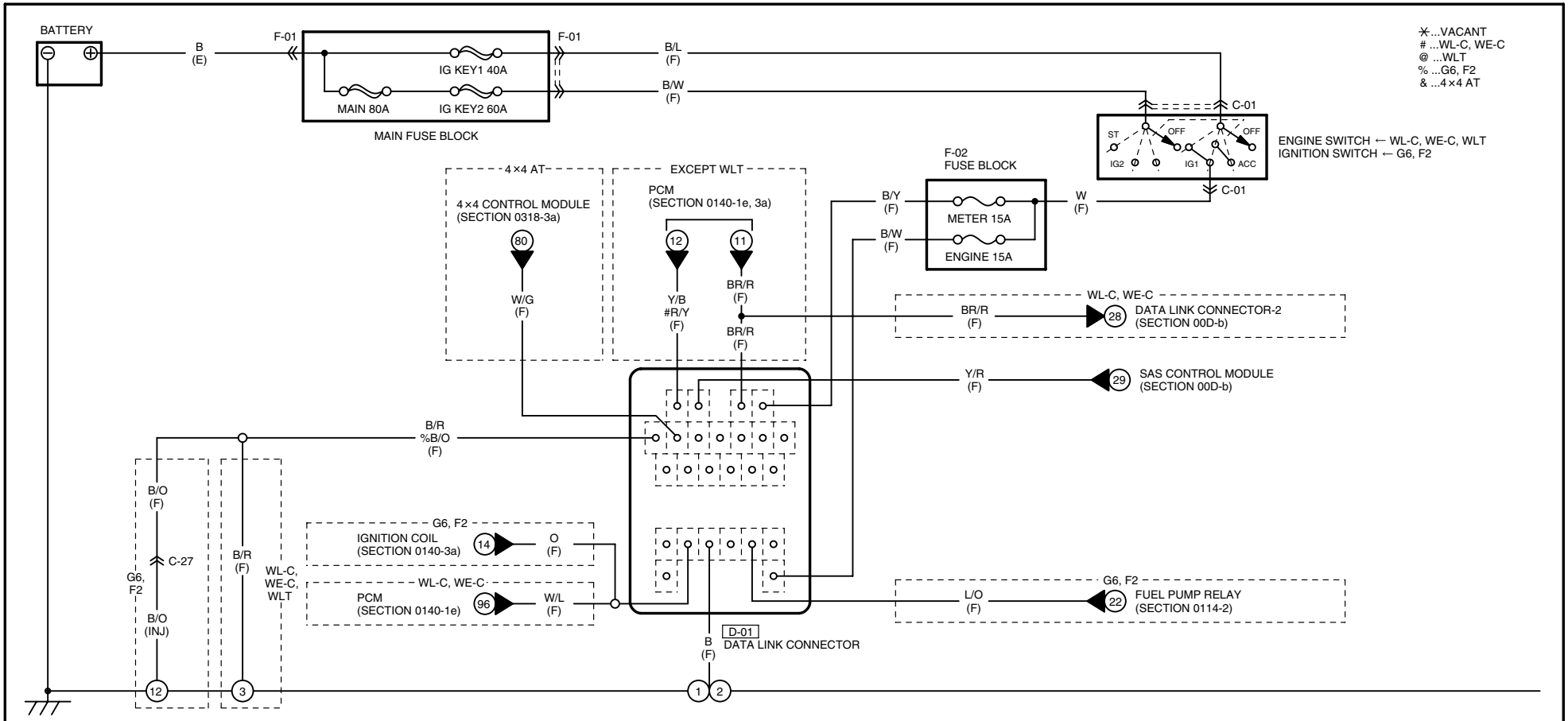


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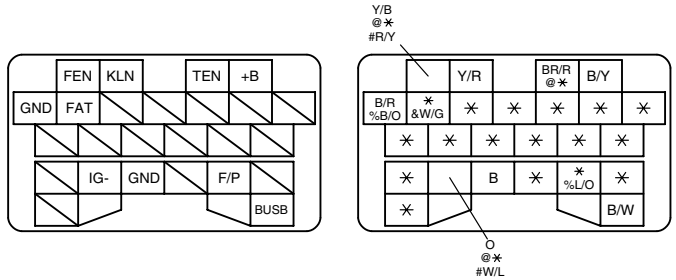
HARNESS SYMBOL: (F) (E) (R)



DATA LINK CONNECTOR



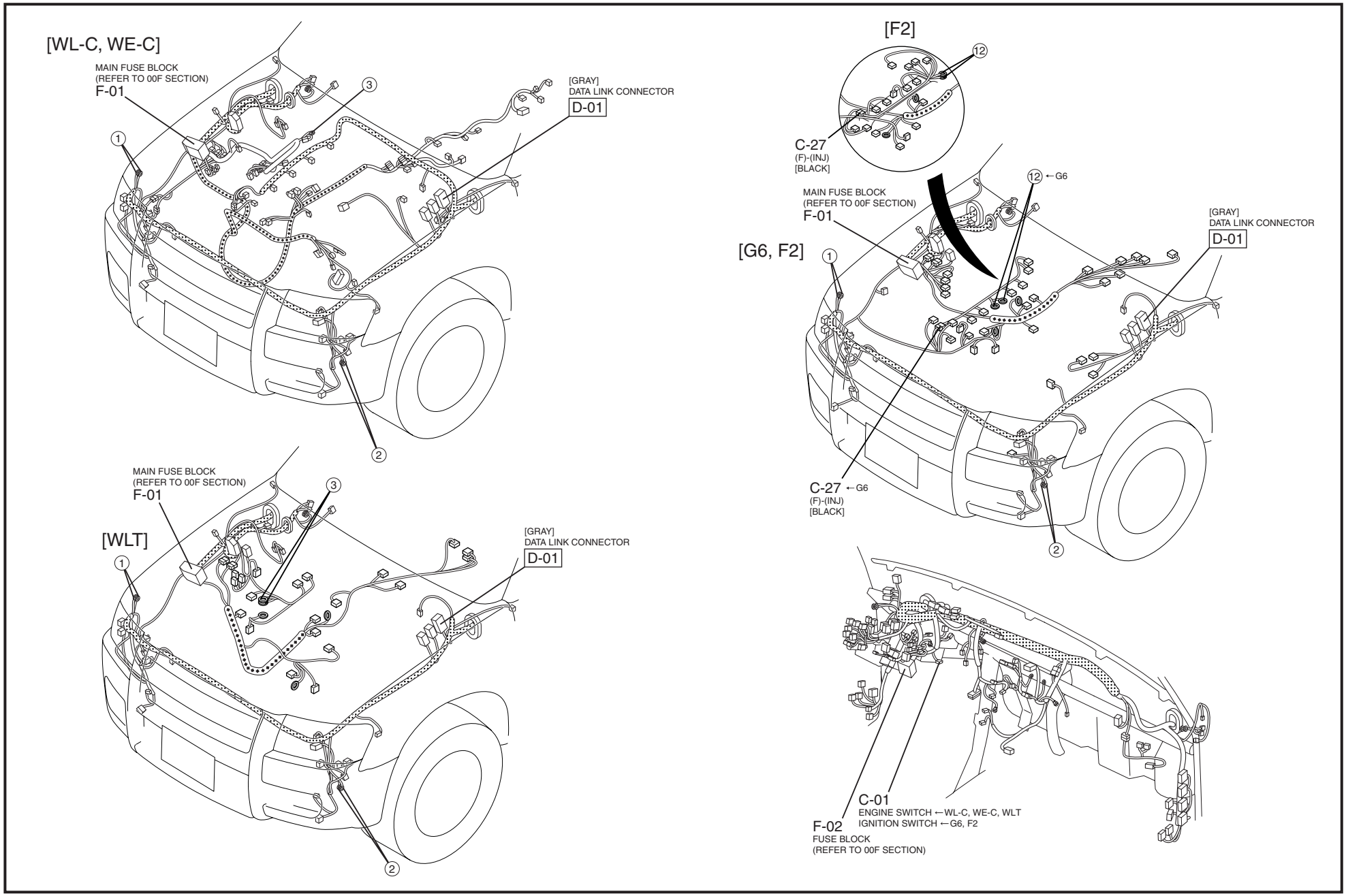
D-01 DATA LINK CONNECTOR(F)

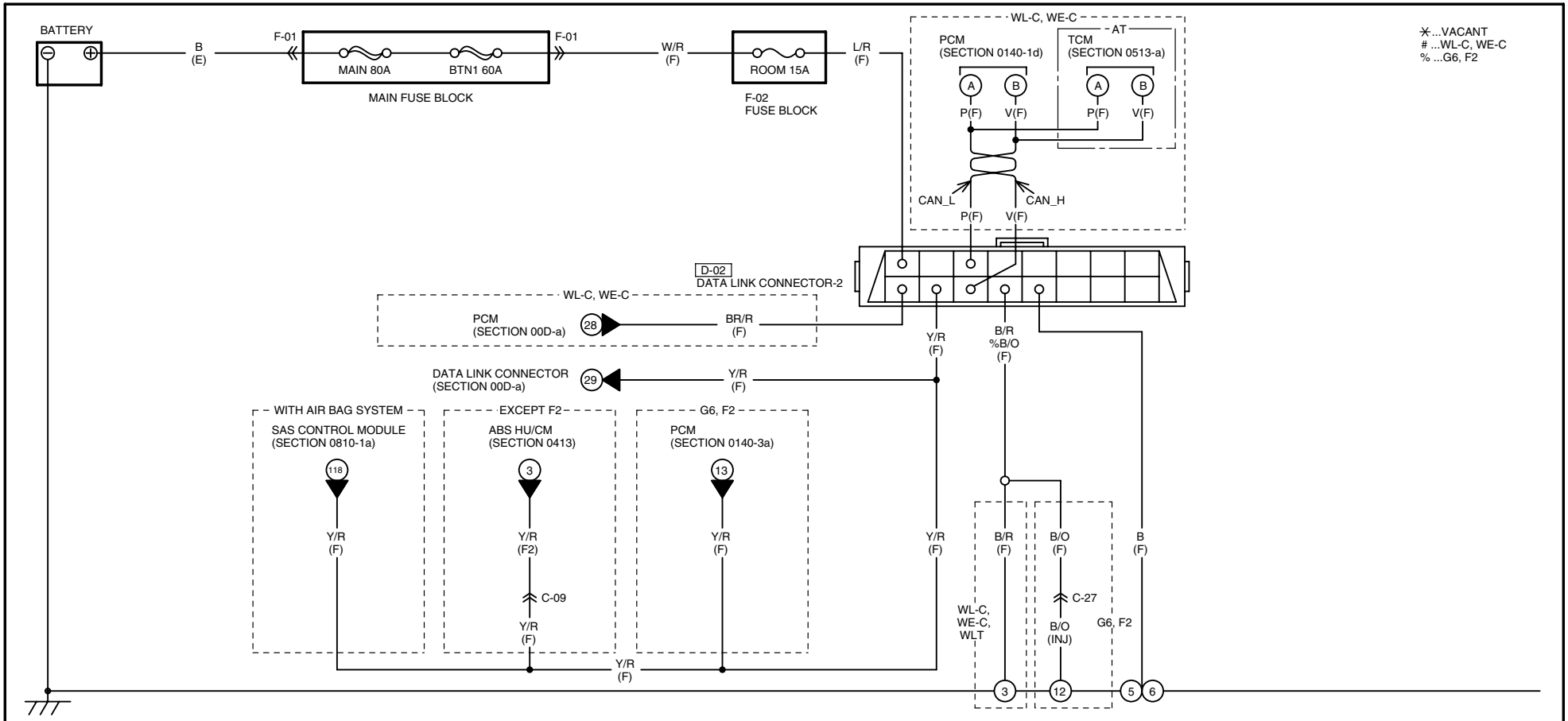


NOTE:SEEN FROM TERMINAL SIDE

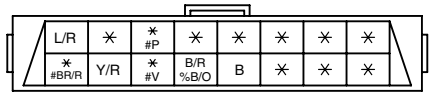
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HARNESS SYMBOL: (F) (E) (R)





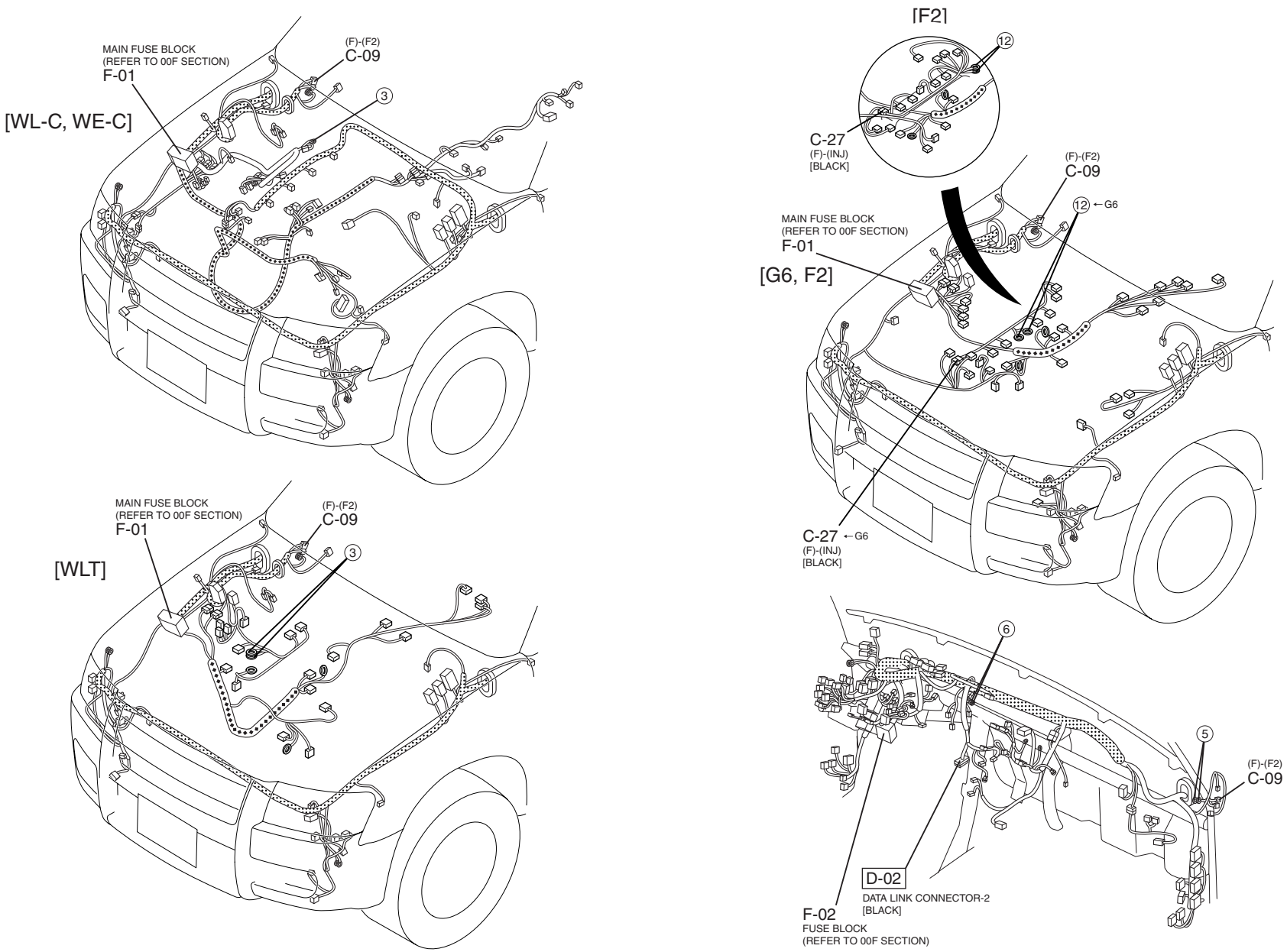
D-02 DATA LINK CONNECTOR-2(F)



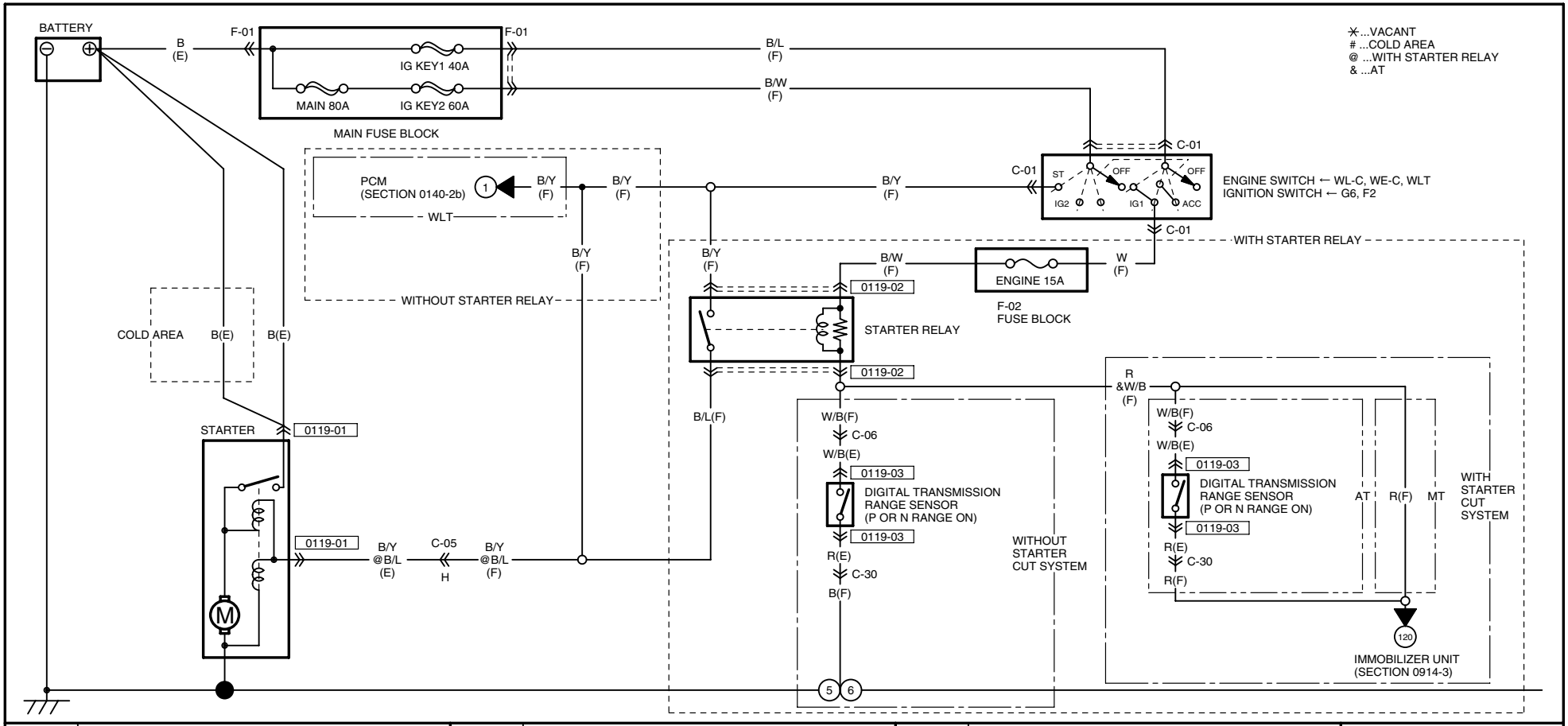
NOTE:SEEN FROM TERMINAL SIDE

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HARNESS SYMBOL: (F) (E) (R)



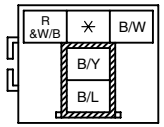
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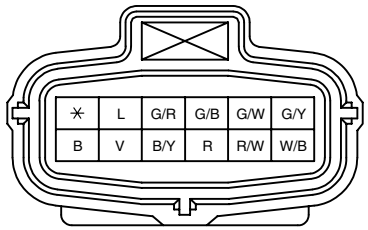
0119-01 STARTER(E)



0119-02 STARTER RELAY(F)

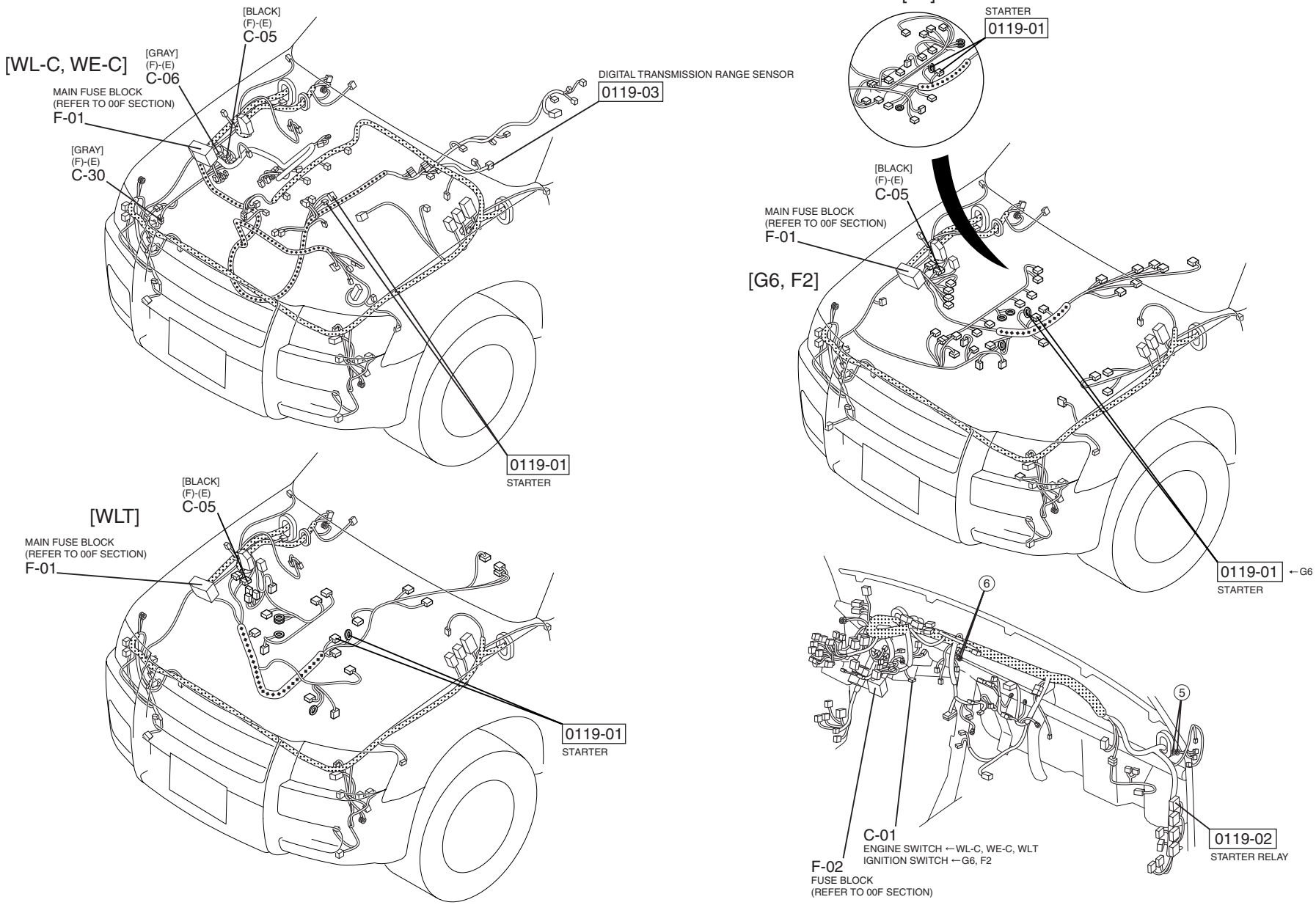


0119-03 DIGITAL TRANSMISSION RANGE SENSOR(E)

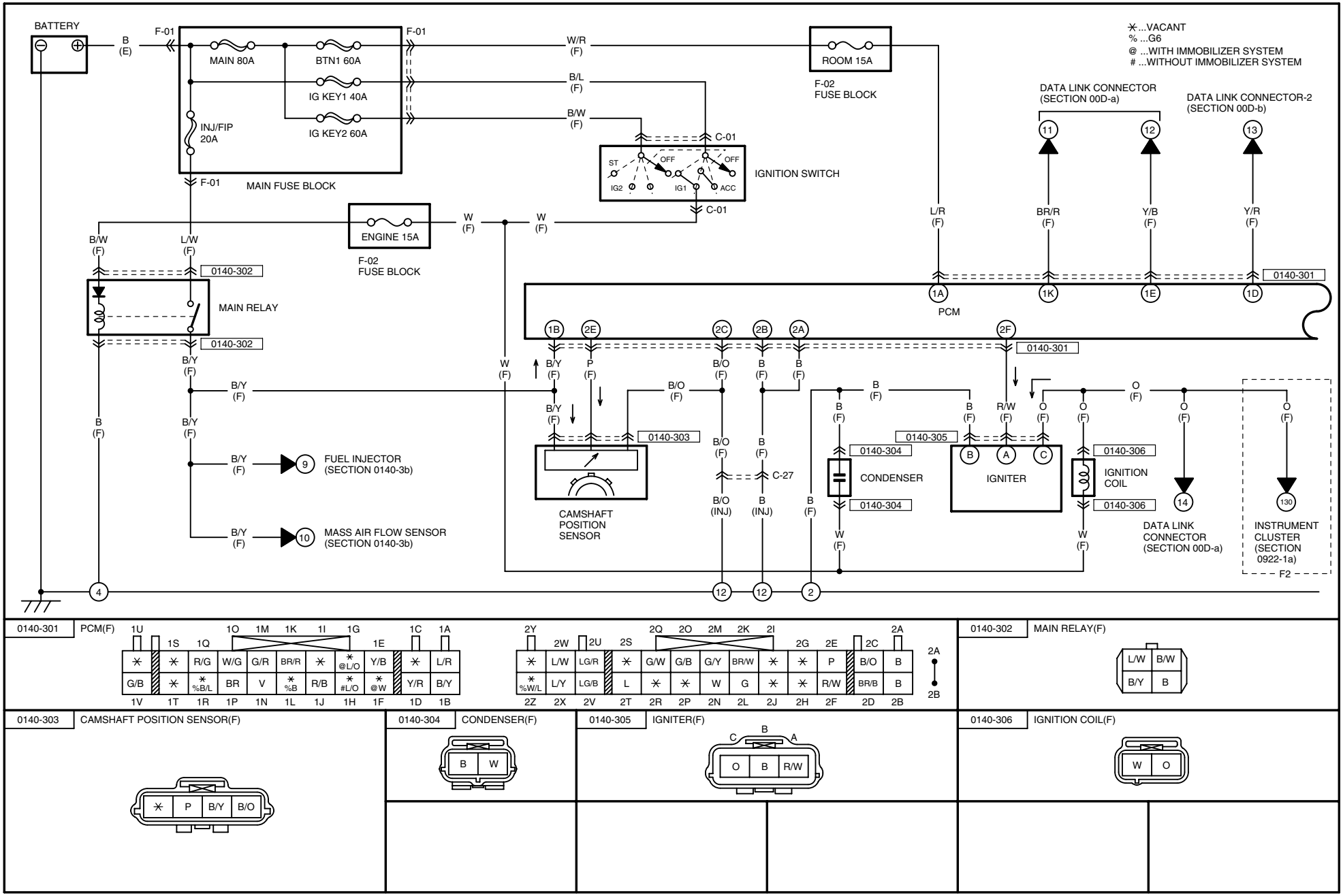


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HARNESS SYMBOL: (F) (E) (R)



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0140-301 PCM(F)

1U	1S	1Q	1O	1M	1K	1I	1G	1E	1C	1A
✳	✳	R/G	W/G	G/R	BR/R	✳	✳@L/O	Y/B	✳	L/R
G/B	✳	✳%B/L	BR	V	✳%B	R/B	✳#L/O	✳@W	Y/R	B/Y
1V	1T	1R	1P	1N	1L	1J	1H	1F	1D	1B

2Y	2W	2U	2S	2Q	2O	2M	2K	2I	2G	2E	2C	2A
✳	L/W	LG/R	✳	G/W	G/B	G/Y	BR/W	✳	✳	P	B/O	B
✳%W/L	L/Y	LG/B	L	✳	✳	W	G	✳	✳	R/W	BR/B	B
2Z	2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B

2A — 2B

0140-302 MAIN RELAY(F)

L/W	B/W
B/Y	B

0140-303 CAMSHAFT POSITION SENSOR(F)

✳	P	B/Y	B/O

0140-304 CONDENSER(F)

B	W

0140-305 IGNITER(F)

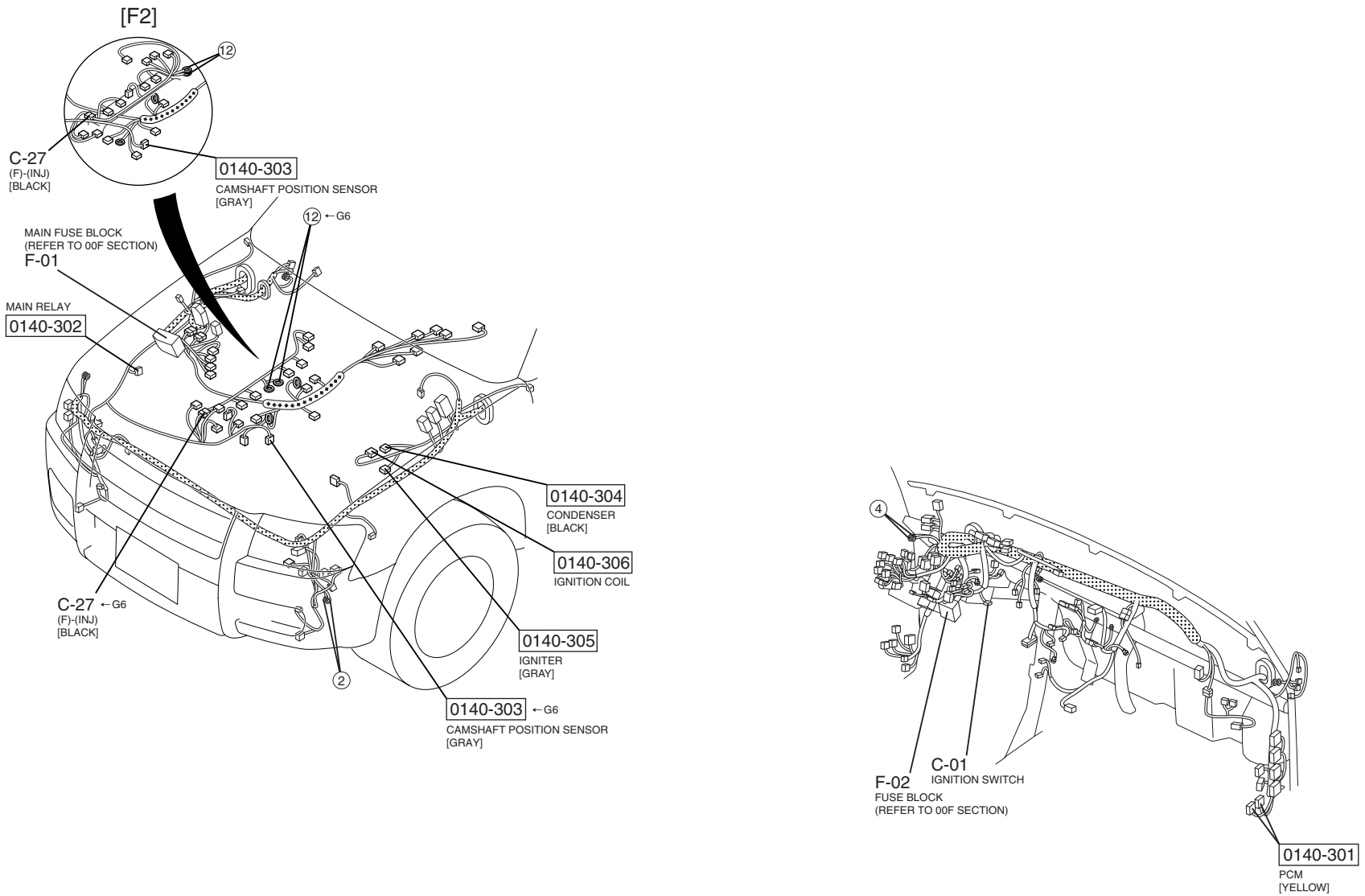
C	B	A
O	B	R/W

0140-306 IGNITION COIL(F)

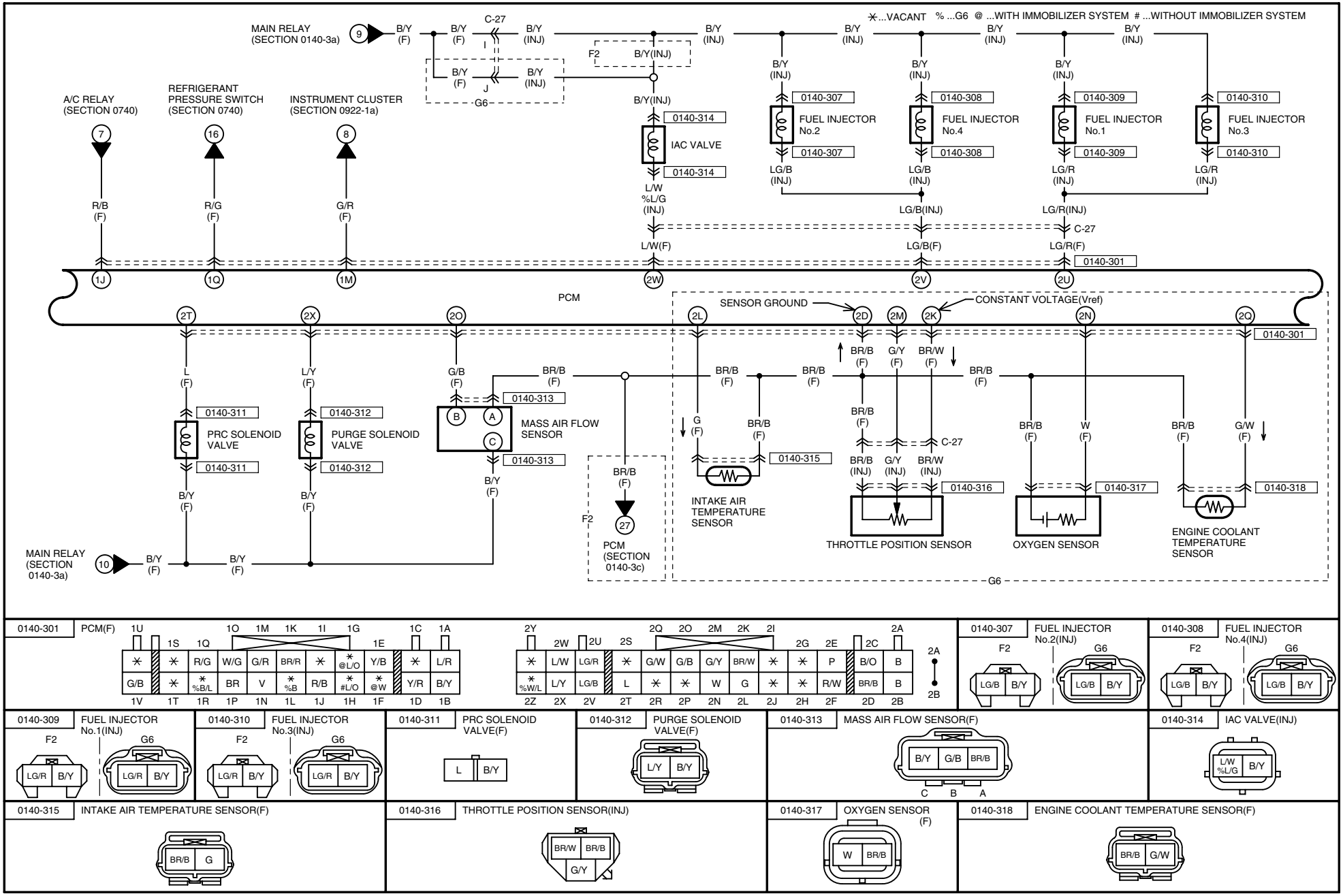
W	O

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HARNESS SYMBOL: (F) (E) (R)

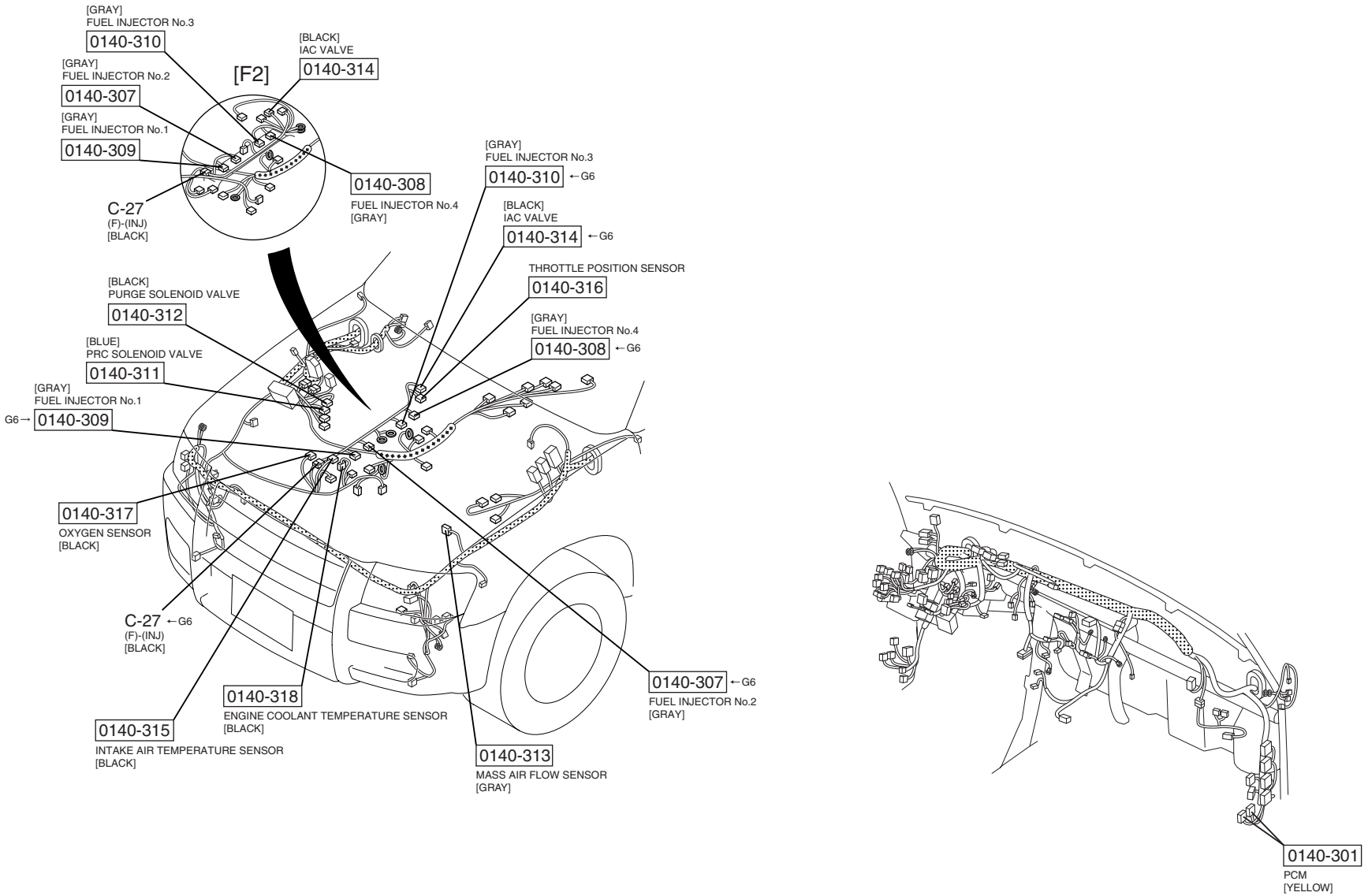


www.truck-freeworkshop.com

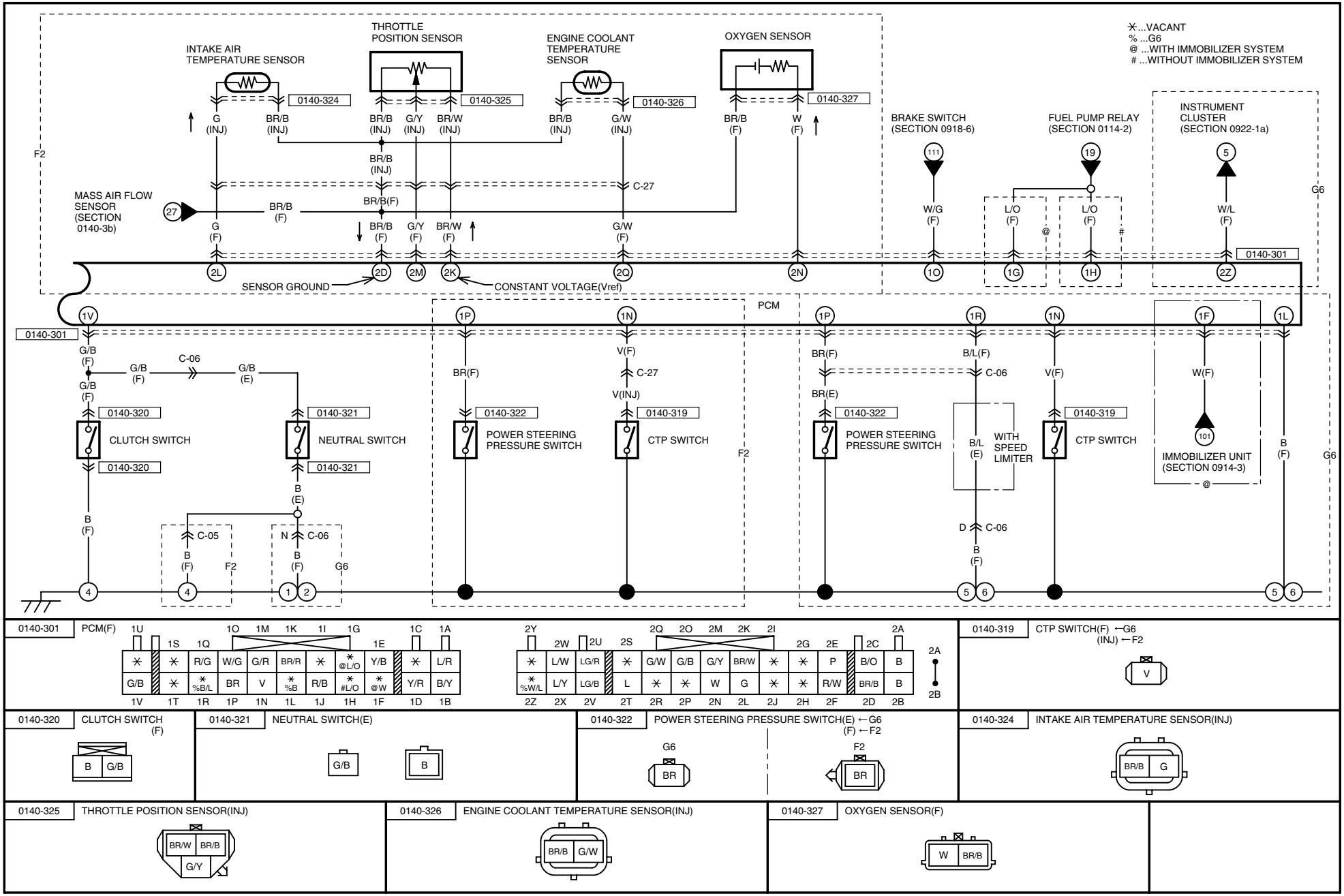


www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

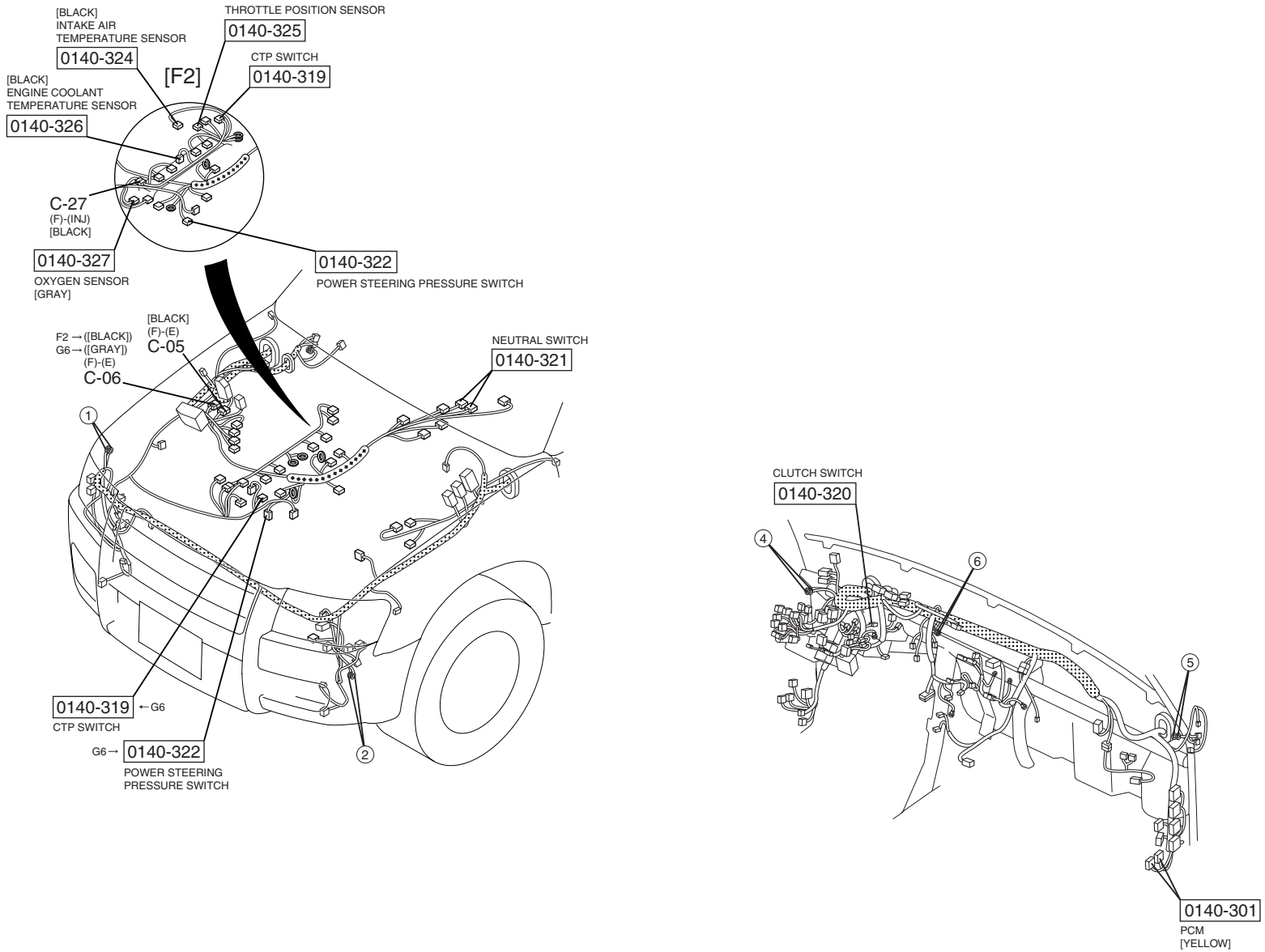


www.truck-freeworkshop.com

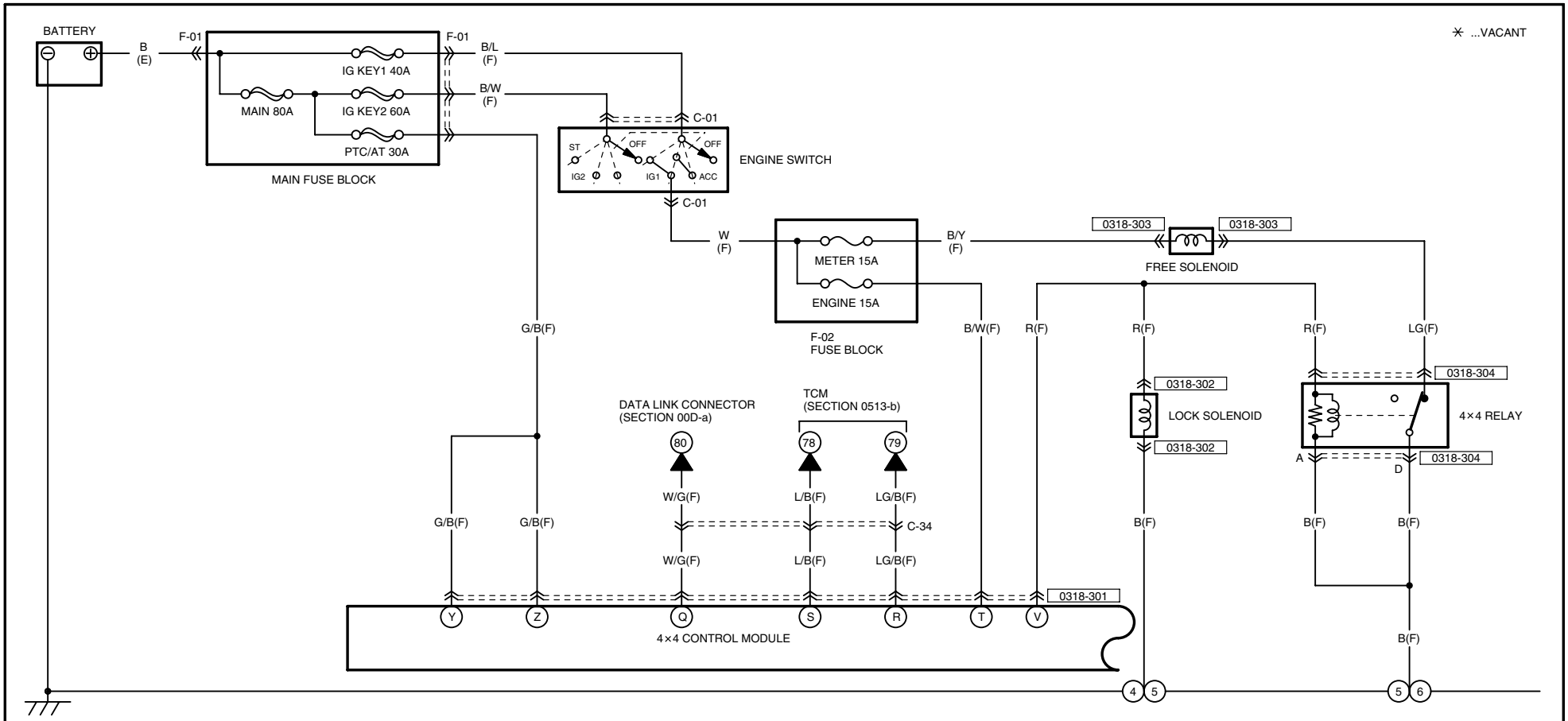


www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



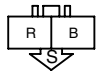
www.truck-freeworkshop.com



0318-301 4×4 CONTROL MODULE(F)

Y	W	U	S	Q	O	M	K	I	G	E	C	A
G/B	B	R/Y	L/B	W/G	✳	R	✳	B/Y	W	V	R/B	W/L
G/B	B	R	B/W	LG/B	✳	R/W	B/R	B/L	B/W	W/R	R/B	W/L
Z	X	V	T	R	P	N	L	J	H	F	D	B

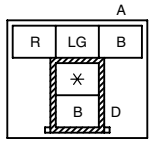
0318-302 LOCK SOLENOID(F)



0318-303 FREE SOLENOID(F)

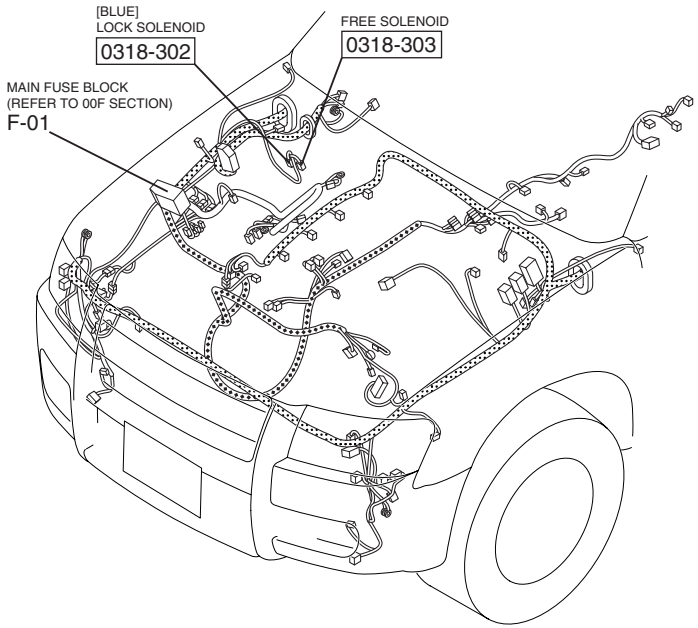


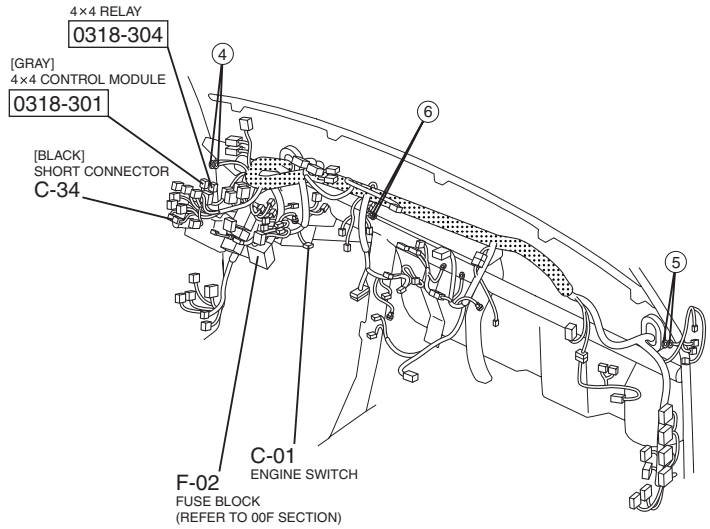
0318-304 4×4 RELAY(F)



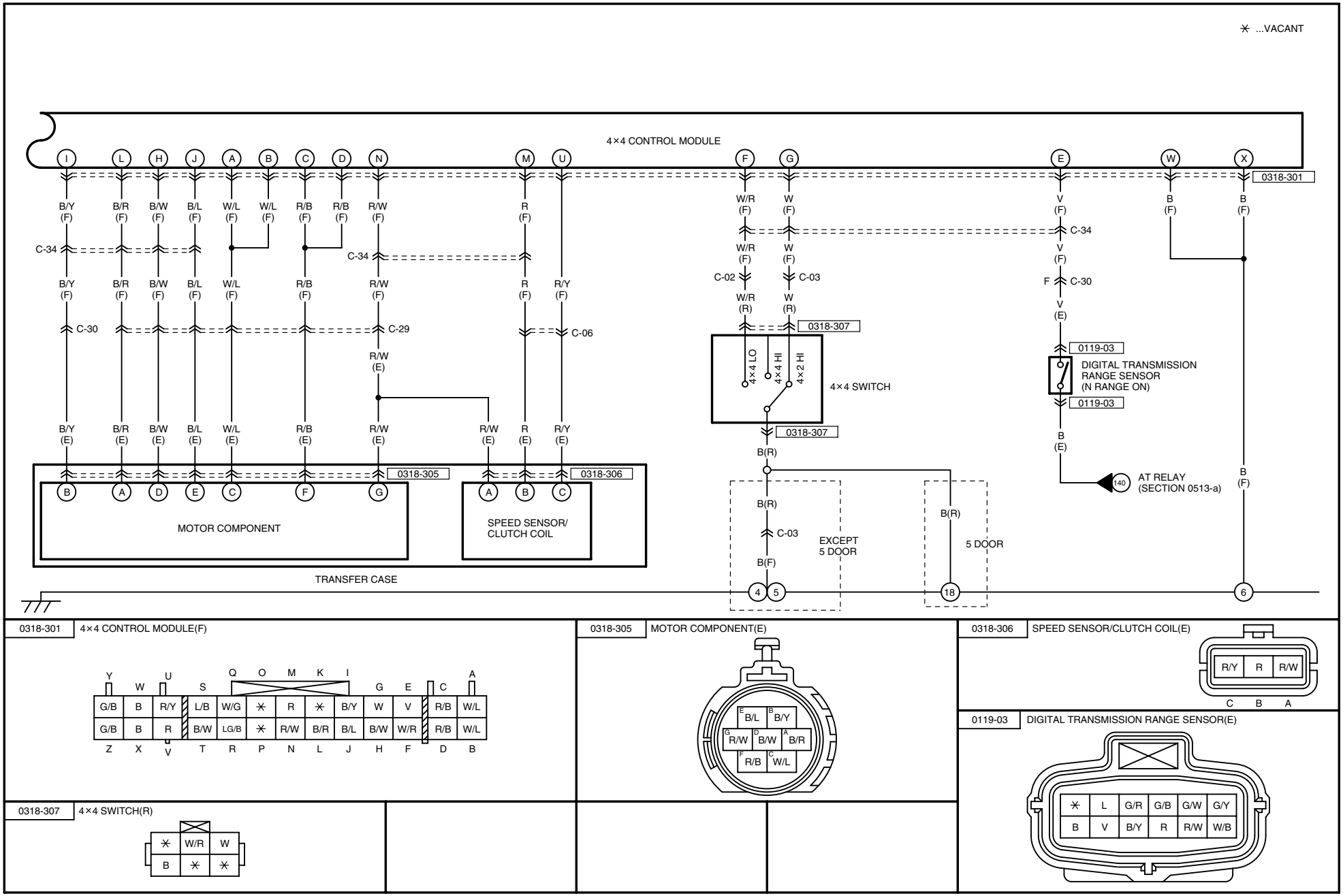
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HARNESS SYMBOL: (F) (E) (R)





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0318-301 4×4 CONTROL MODULE(F)

0318-305 MOTOR COMPONENT(E)

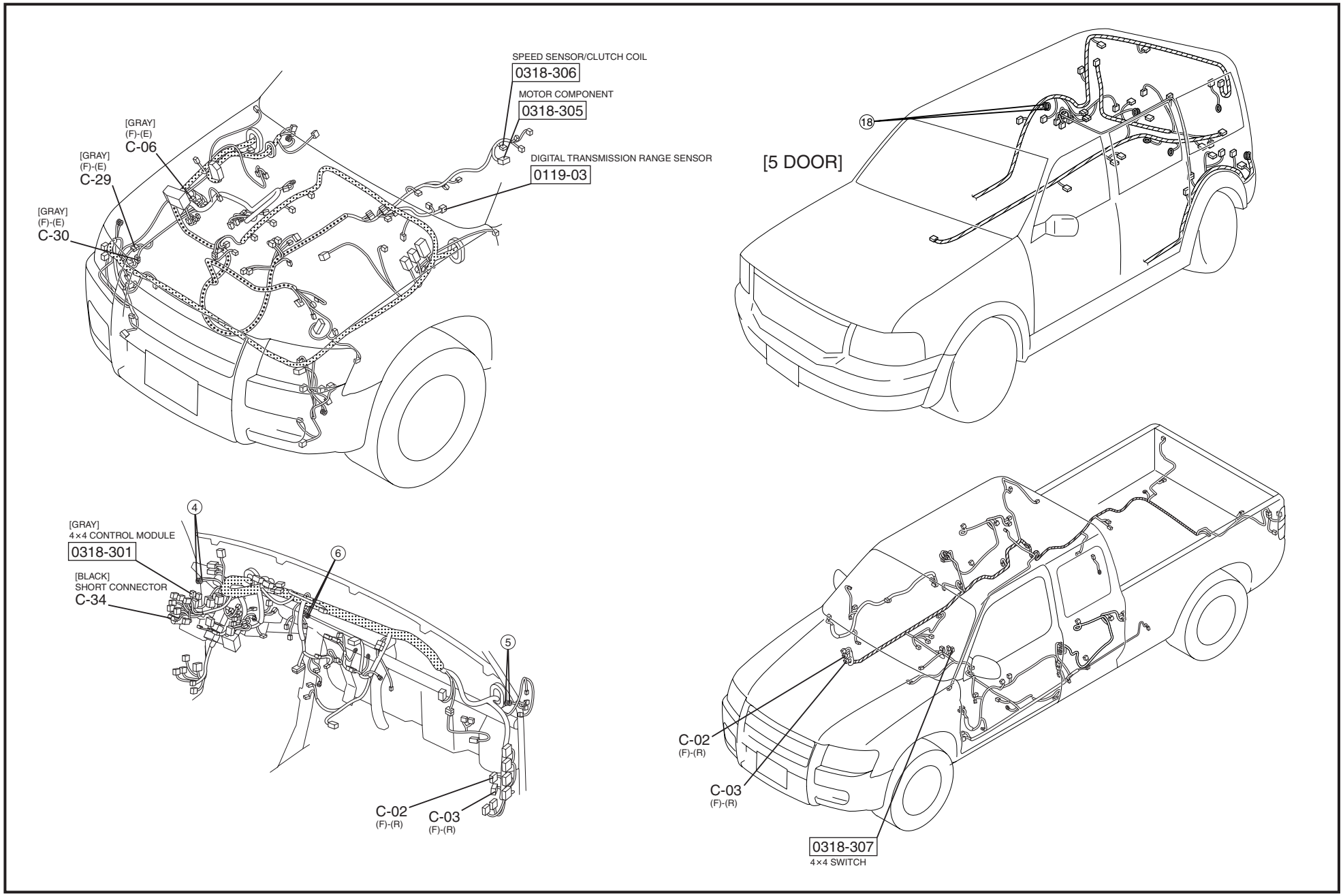
0318-306 SPEED SENSOR/CLUTCH COIL(E)

0119-03 DIGITAL TRANSMISSION RANGE SENSOR(E)

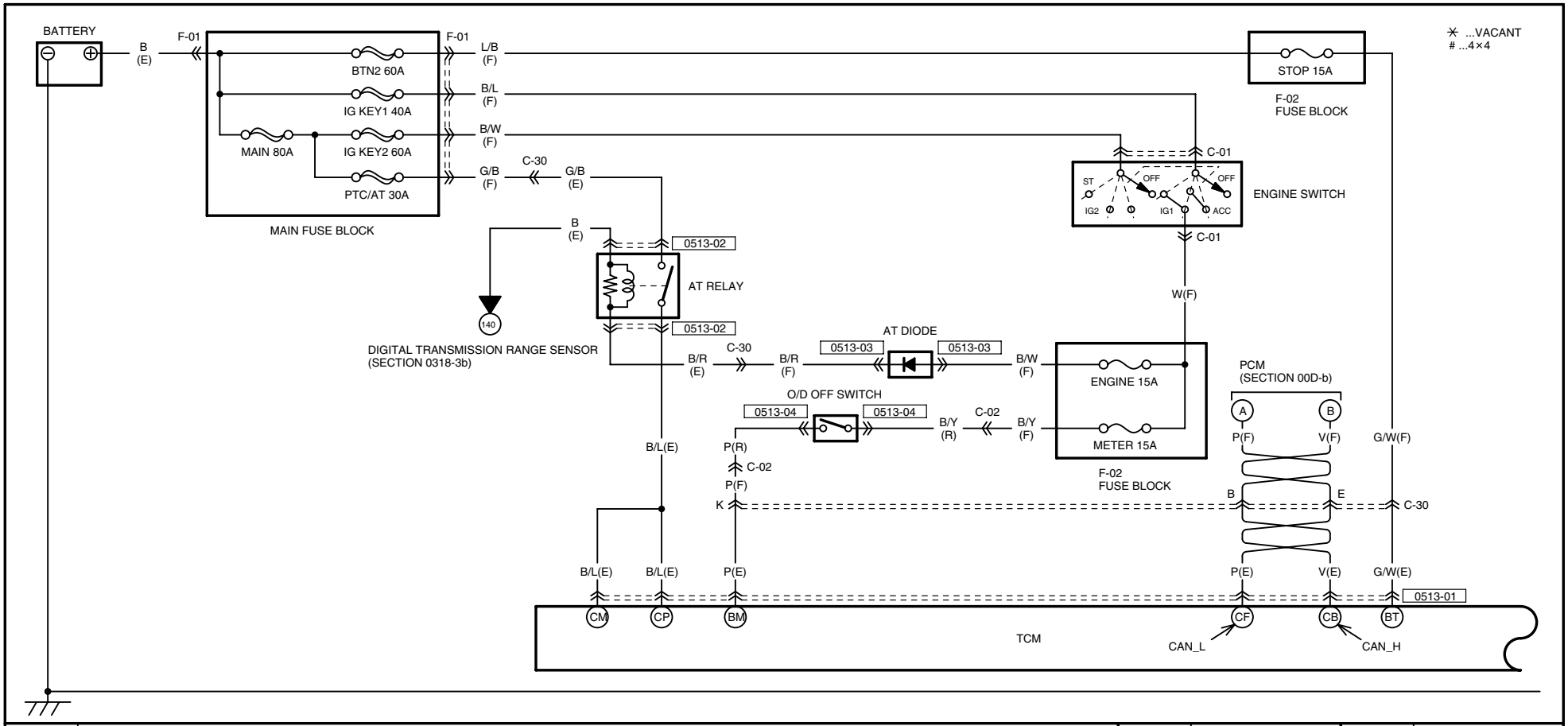
0318-307 4×4 SWITCH(R)

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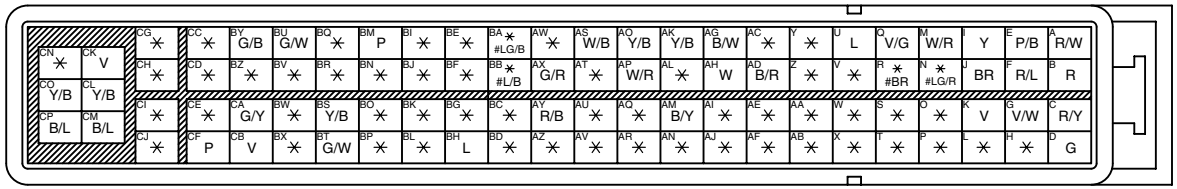
HARNESS SYMBOL: (F) (E) (R)



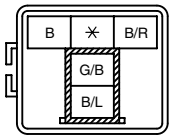
www.truck-freeworkshop.com



0513-01 TCM(E)



0513-02 AT RELAY(E)



0513-03 AT DIODE(F)

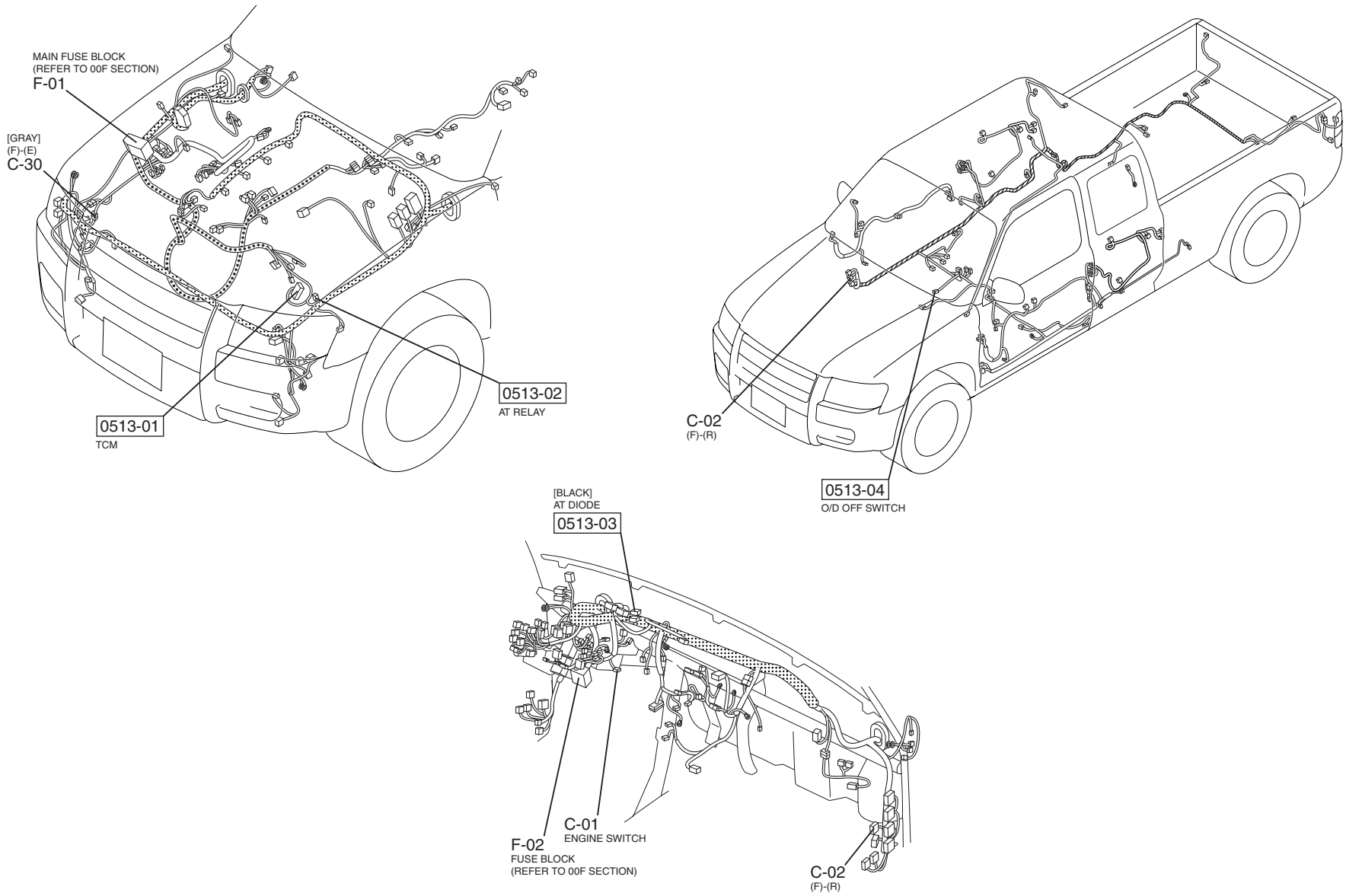


0513-04 O/D OFF SWITCH(R)

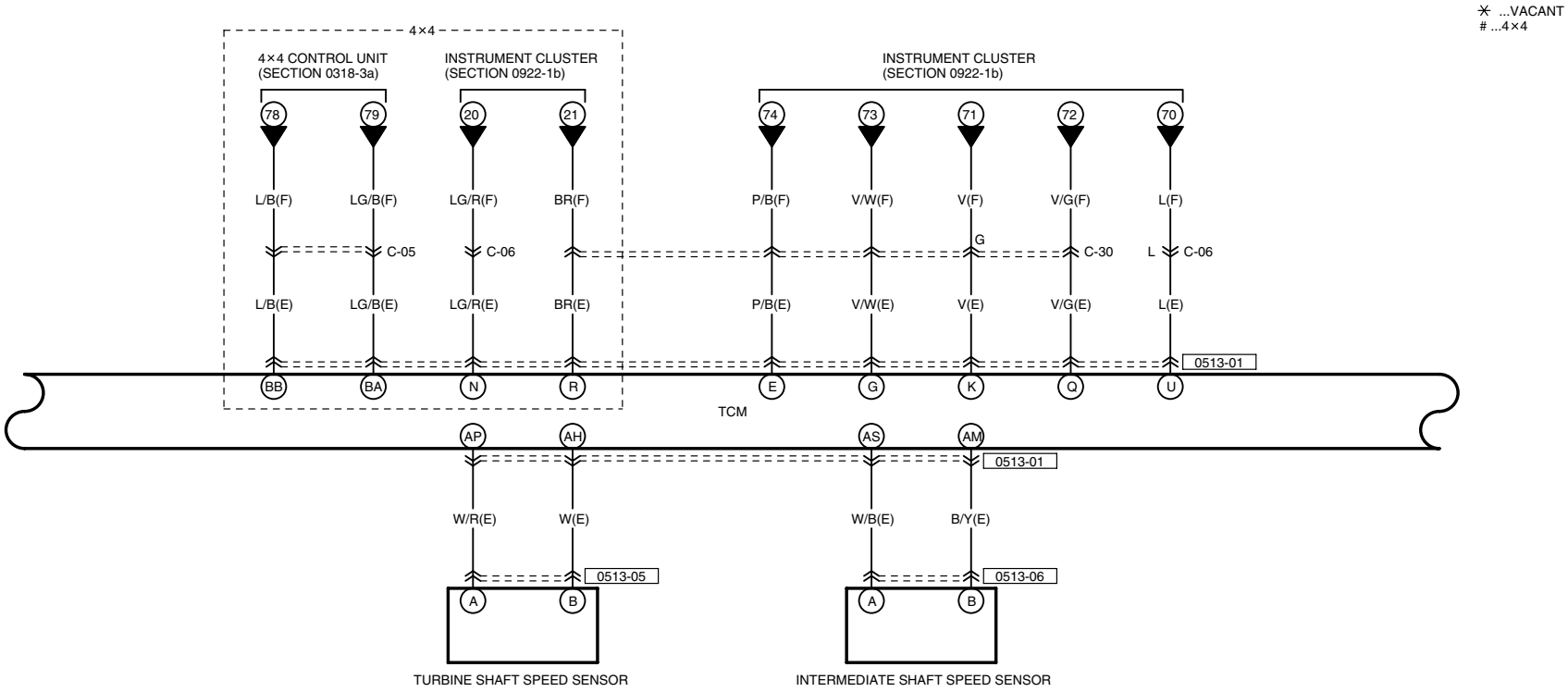


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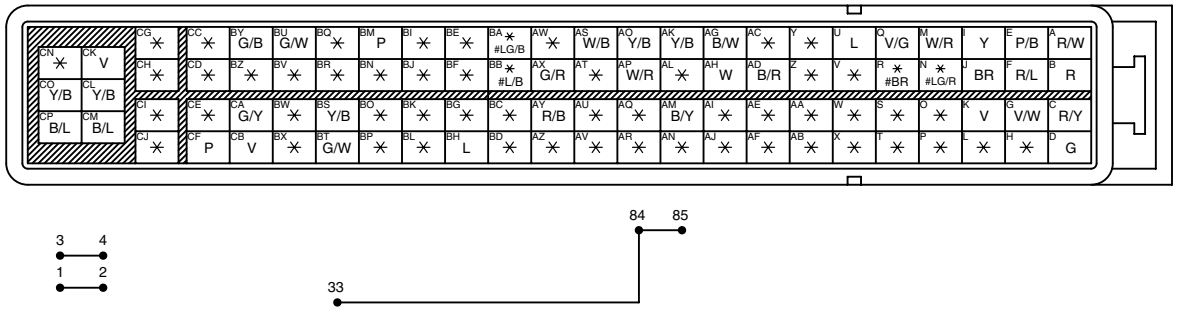
HARNESS SYMBOL: (F) (E) (R)



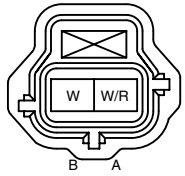
www.truck-freeworkshop.com



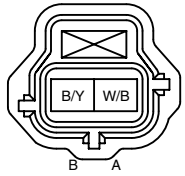
0513-01 TCM(E)



0513-05 TURBINE SHAFT SPEED SENSOR(E)

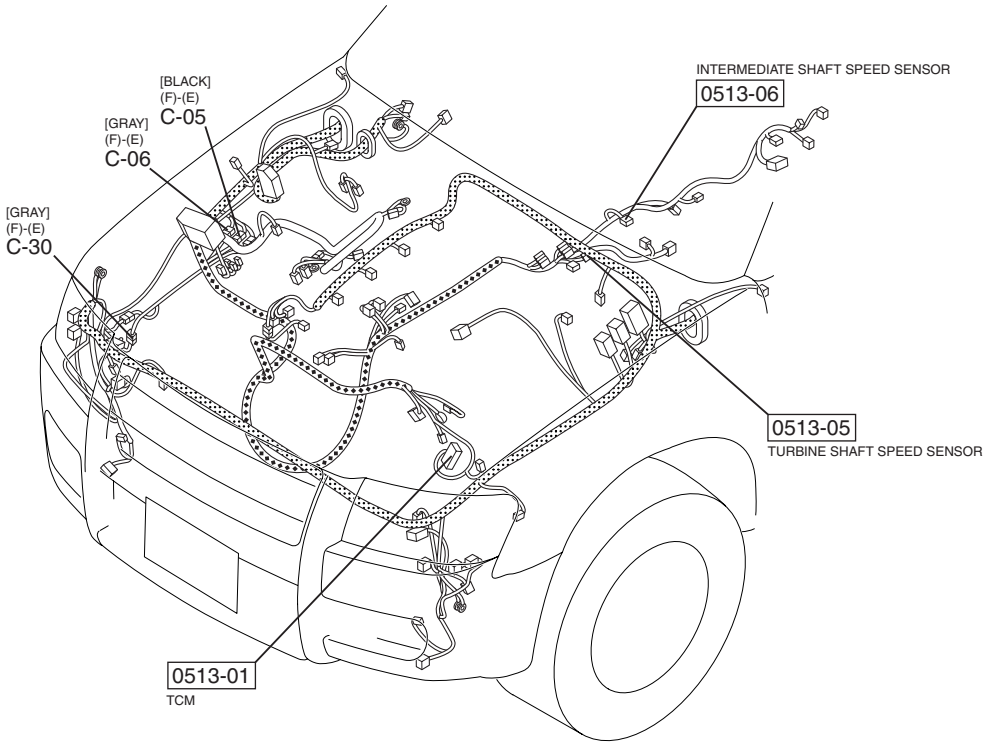


0513-06 INTERMEDIATE SHAFT SPEED SENSOR(E)



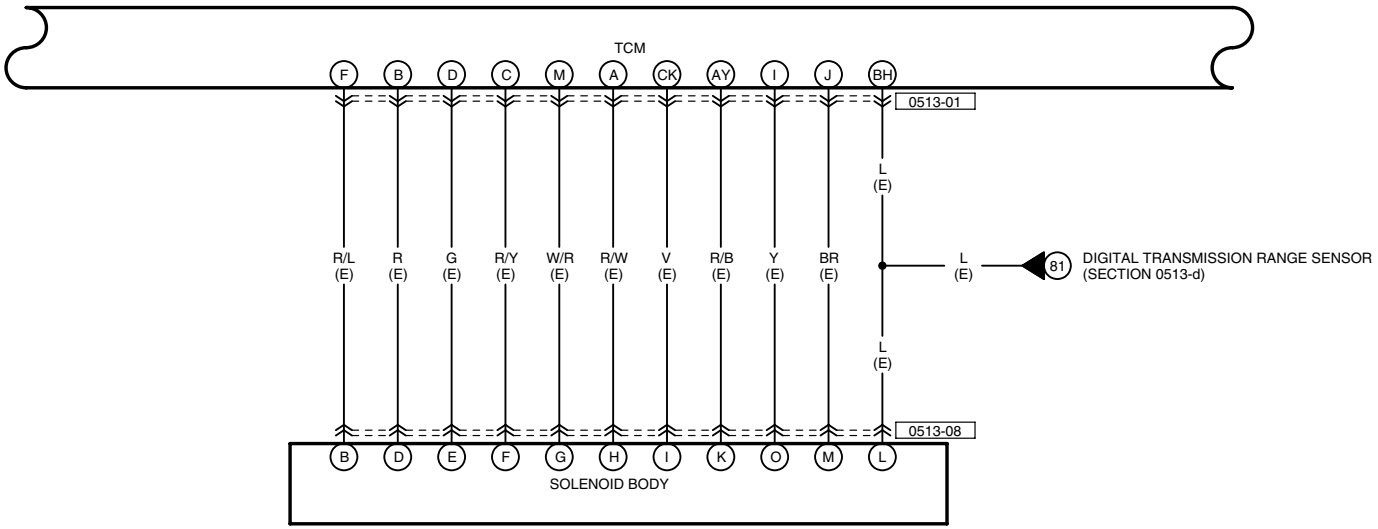
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

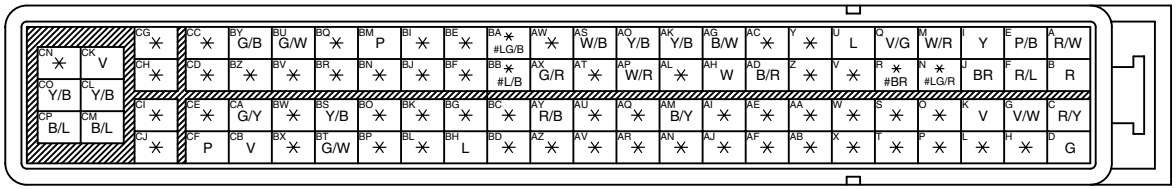


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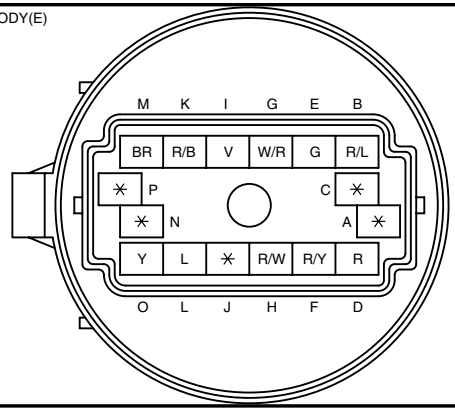
✳ ...VACANT
...4×4



0513-01 TCM(E)

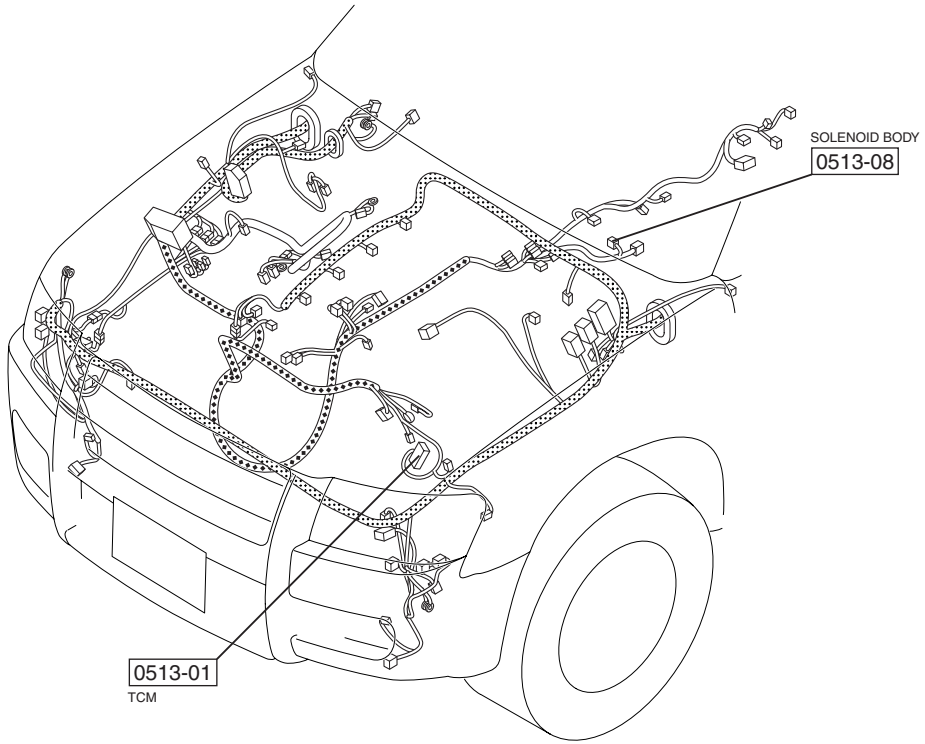


0513-08 SOLENOID BODY(E)

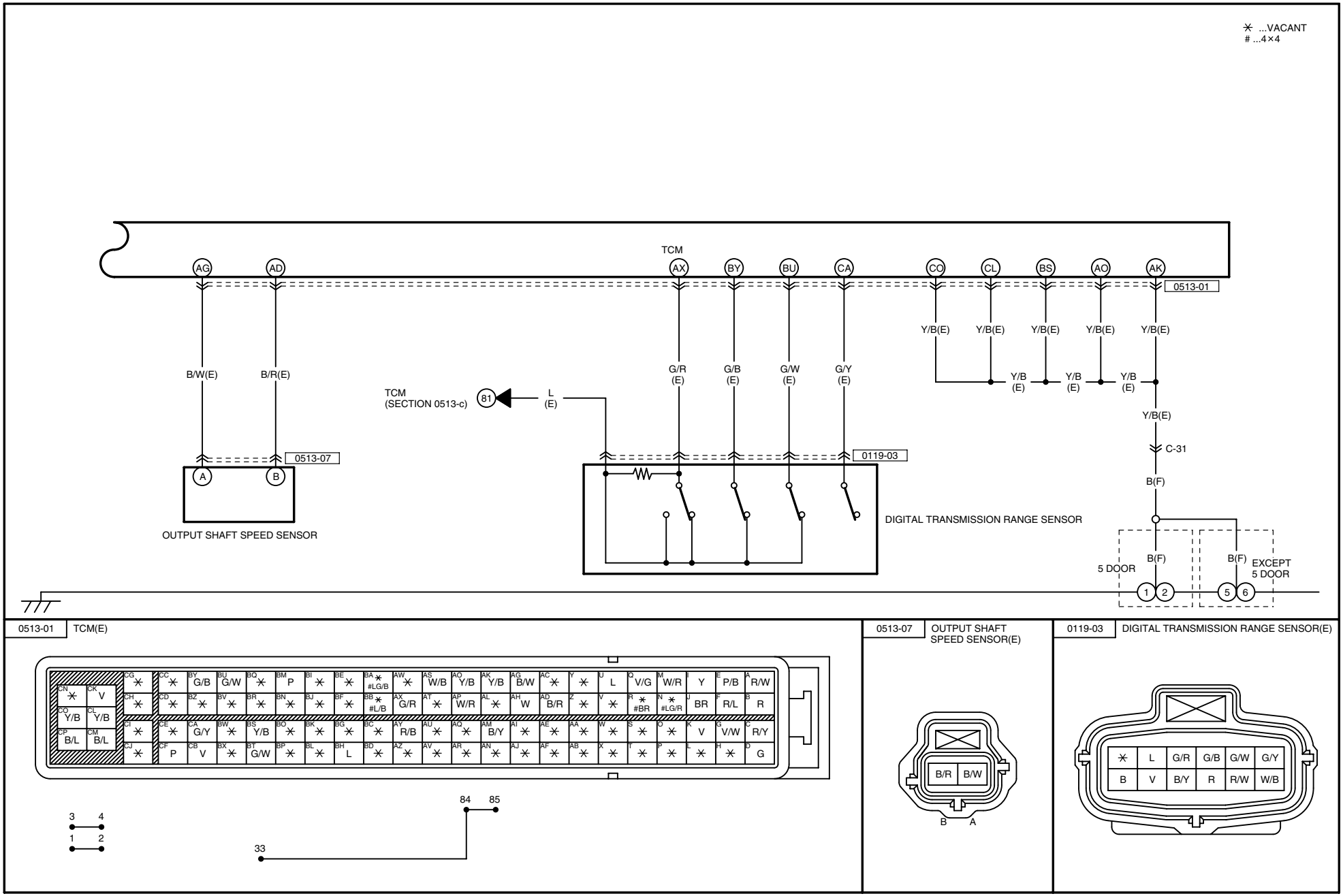


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HARNESS SYMBOL: (F) (E) (R)

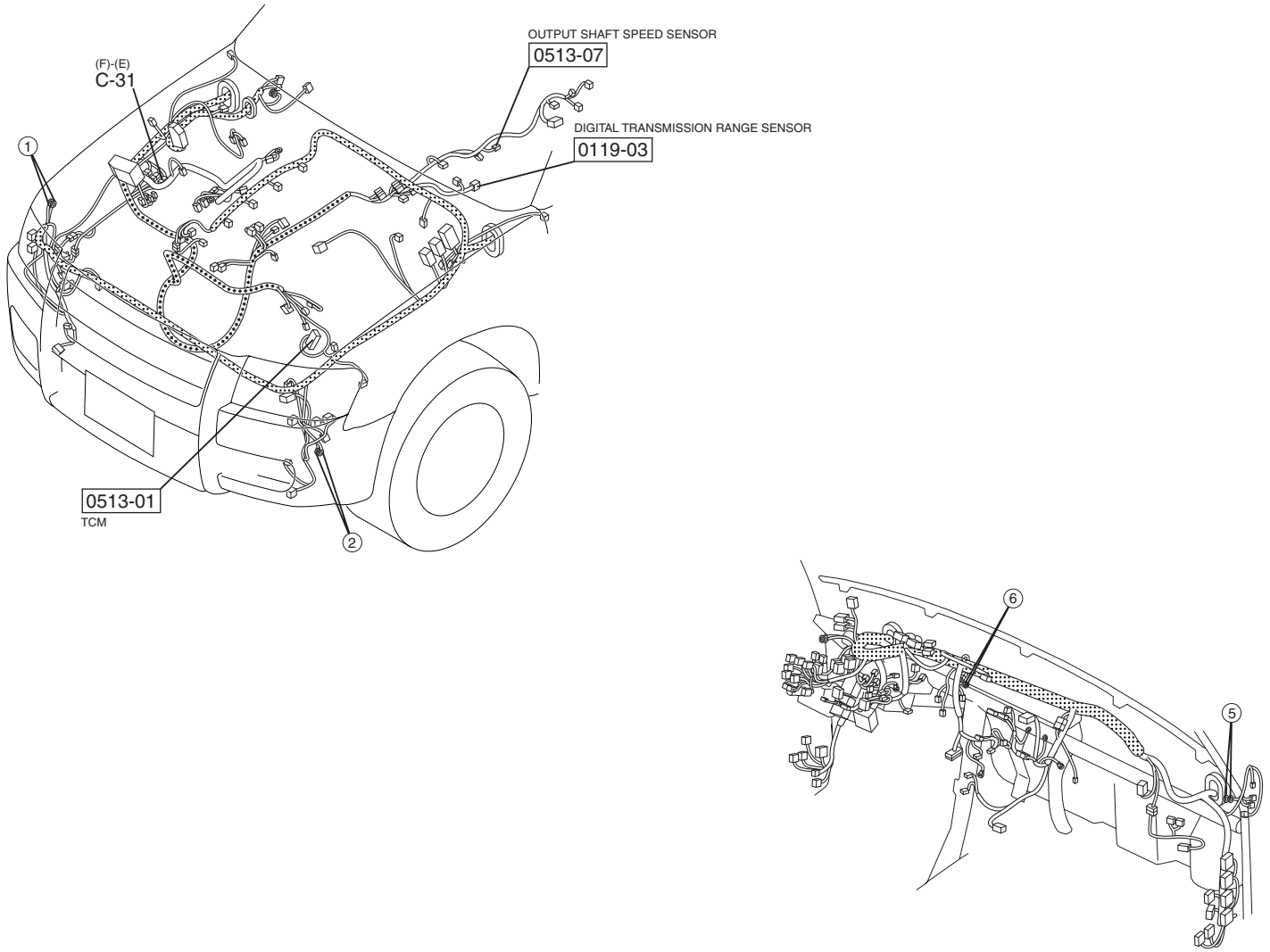


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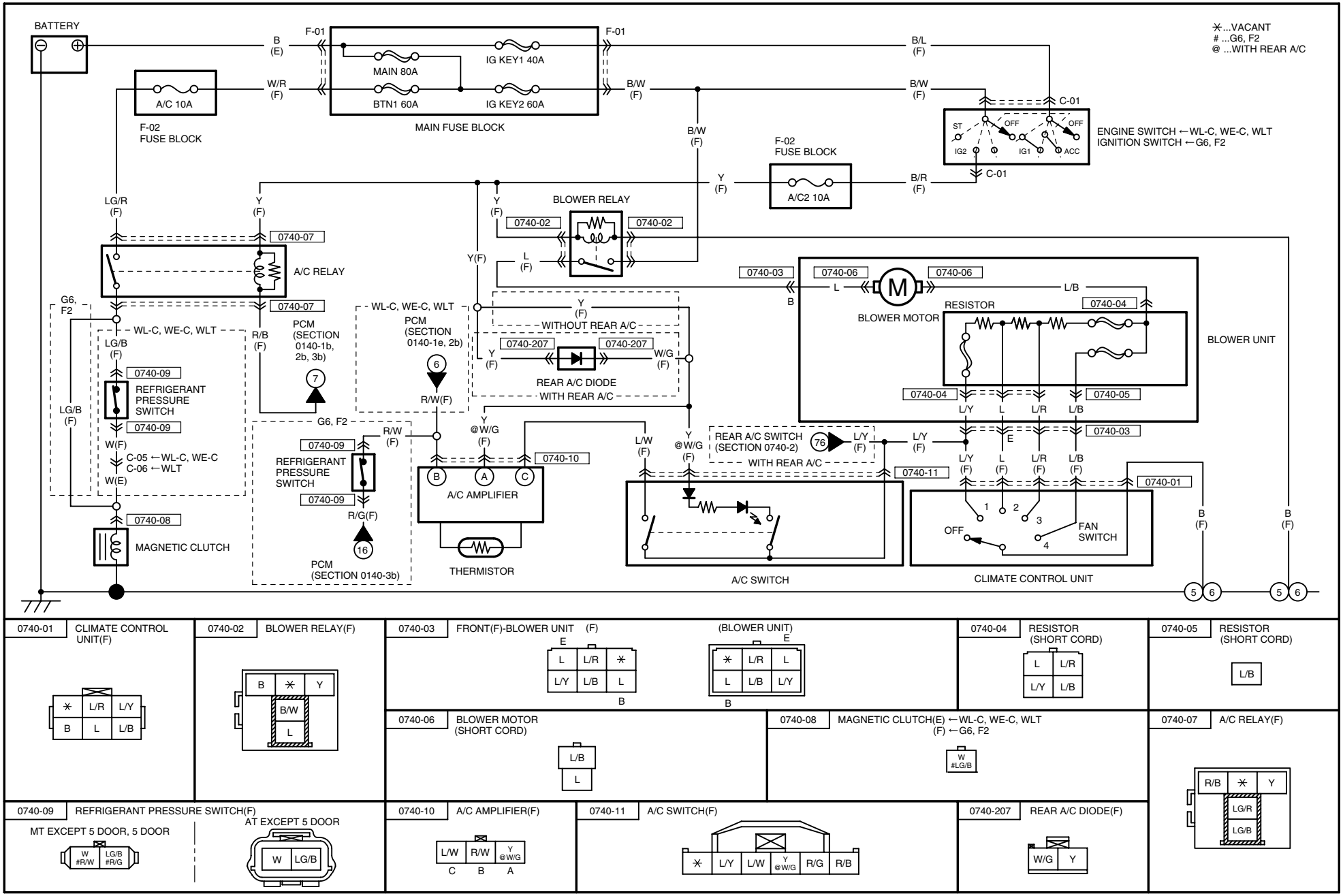


www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



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0740-01 CLIMATE CONTROL UNIT(F)

0740-02 BLOWER RELAY(F)

0740-03 FRONT(F)-BLOWER UNIT (F)

(BLOWER UNIT)

0740-04 RESISTOR (SHORT CORD)

0740-05 RESISTOR (SHORT CORD)

0740-06 BLOWER MOTOR (SHORT CORD)

0740-08 MAGNETIC CLUTCH(E) ←WL-C, WE-C, WLT
(F) ←G6, F2

0740-07 A/C RELAY(F)

0740-09 REFRIGERANT PRESSURE SWITCH(F)

MT EXCEPT 5 DOOR, 5 DOOR

AT EXCEPT 5 DOOR

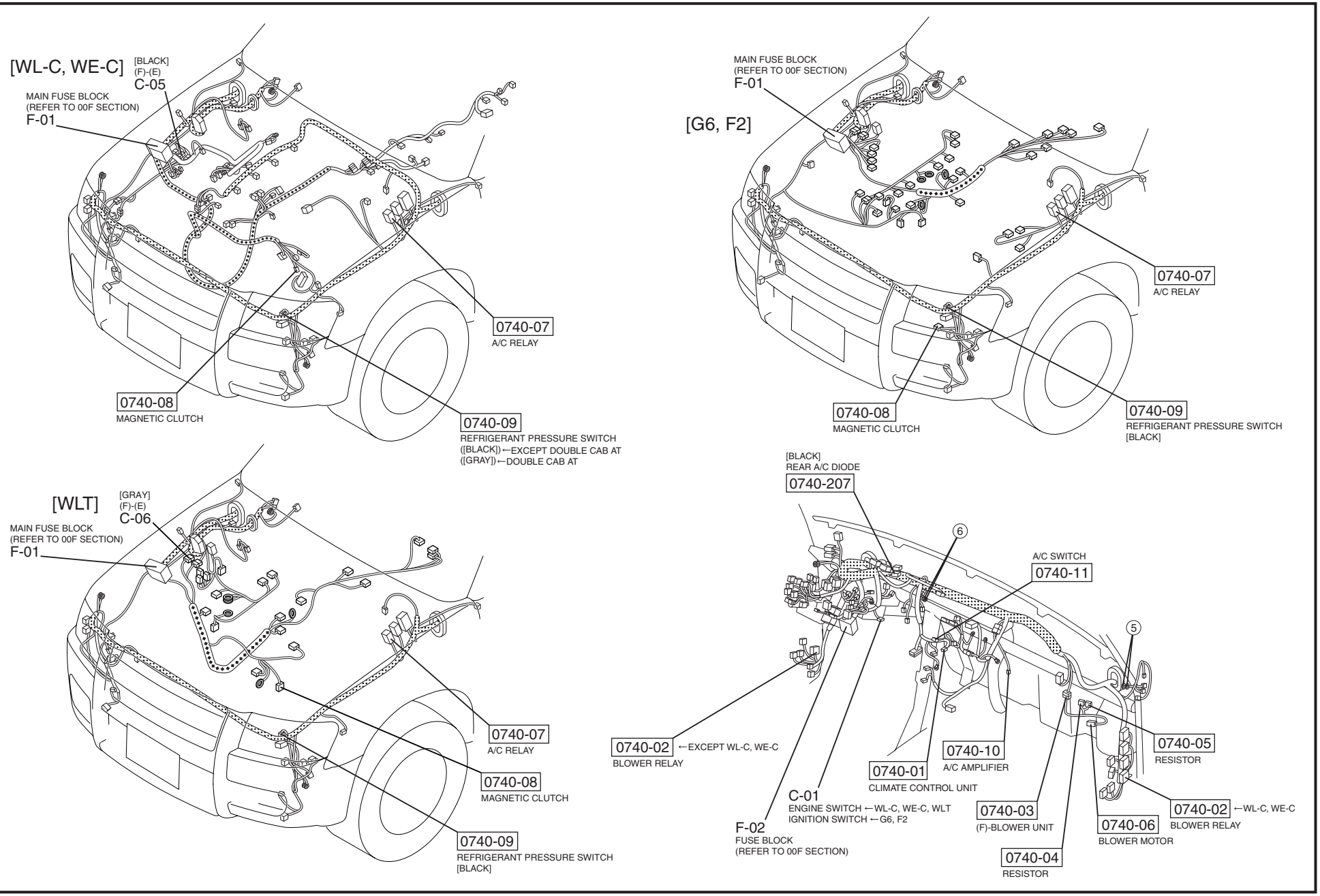
0740-10 A/C AMPLIFIER(F)

0740-11 A/C SWITCH(F)

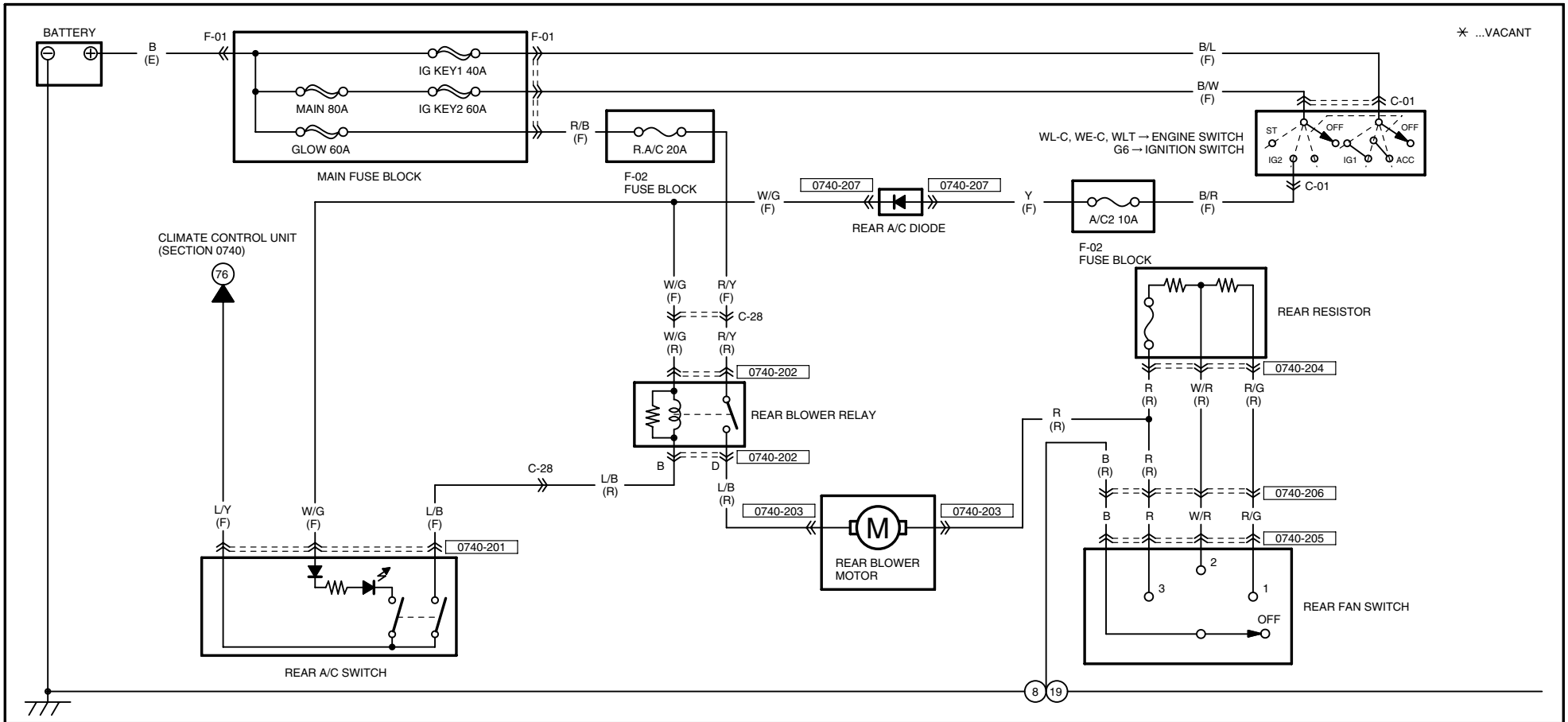
0740-207 REAR A/C DIODE(F)

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HARNESS SYMBOL: (F) (E) (R)



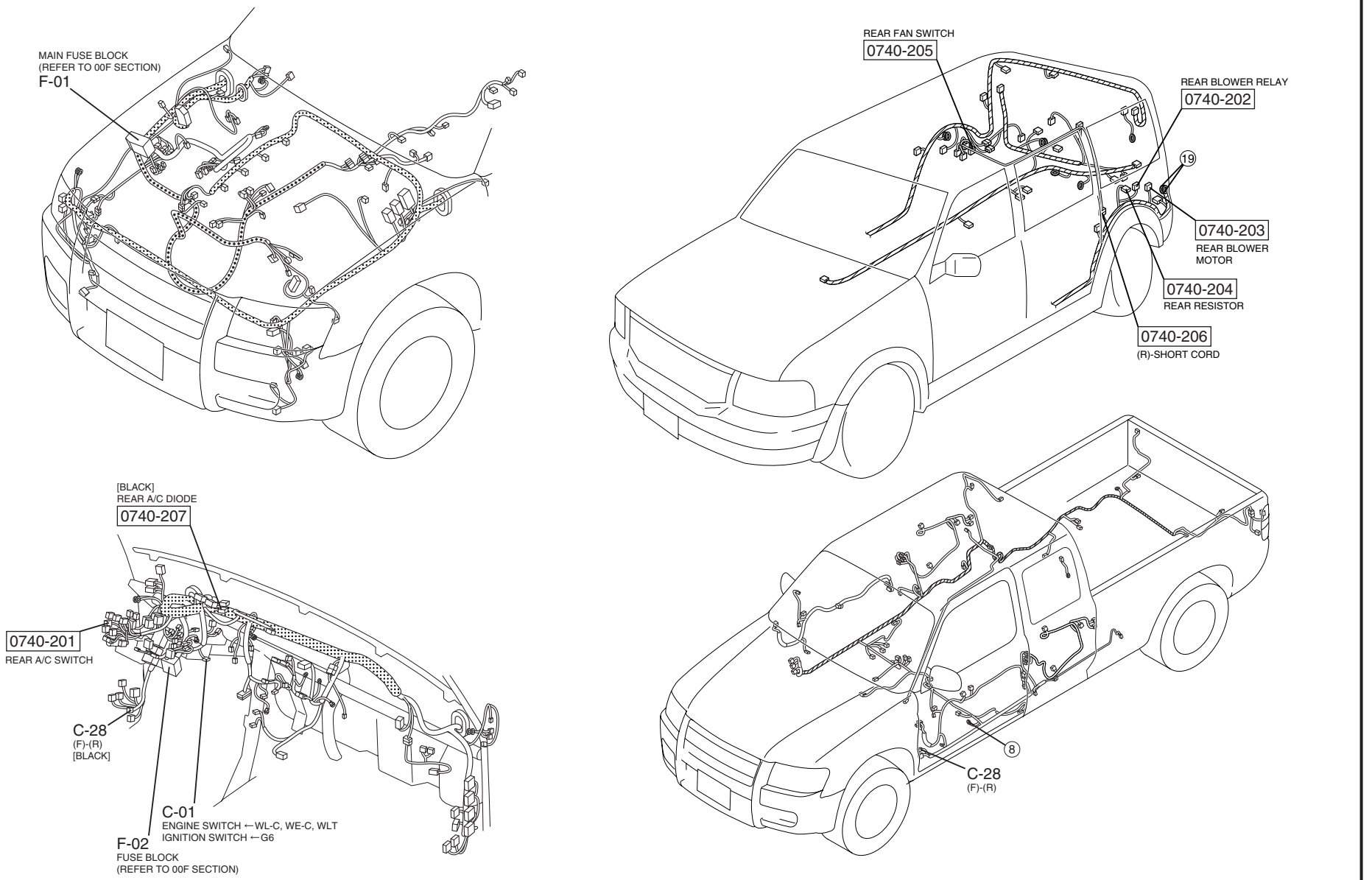
www.truck-freeworkshop.com



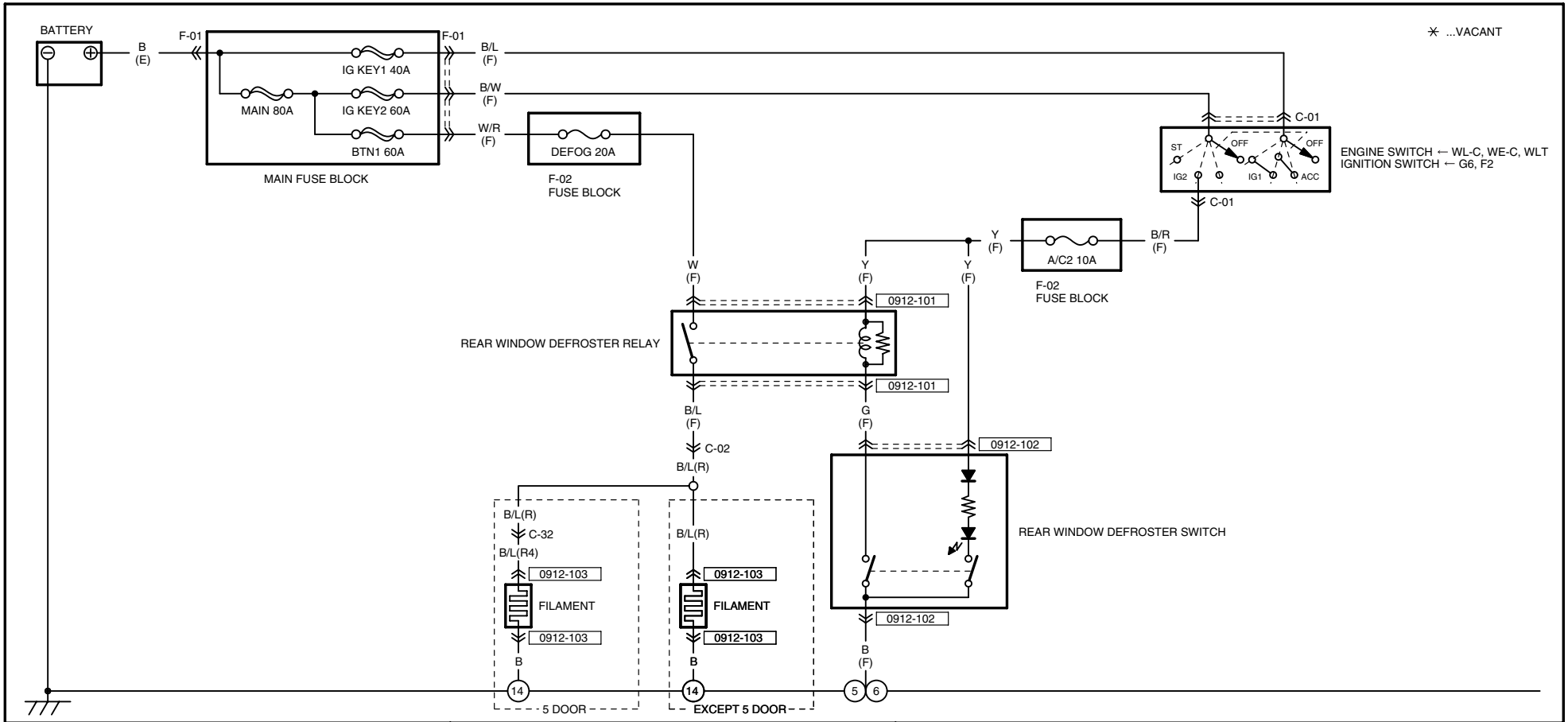
0740-201 REAR A/C SWITCH(F)	0740-202 REAR BLOWER RELAY(R)	0740-203 REAR BLOWER MOTOR(R)	
0740-204 REAR RESISTOR(R)	0740-205 REAR FAN SWITCH (SHORT CORD)	0740-206 REAR(R)-SHORT CORD	
0740-207 REAR A/C DIODE(F)			

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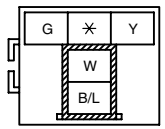
HARNESS SYMBOL: (F) (E) (R)



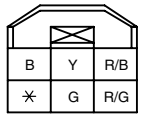
REAR WINDOW DEFROSTER



0912-101	REAR WINDOW DEFROSTER RELAY(F)



0912-102	REAR WINDOW DEFROSTER SWITCH(F)



0912-103	FILAMENT

EXCEPT 5 DOOR

(R)



(SHORT CORD)



5 DOOR

(R4)

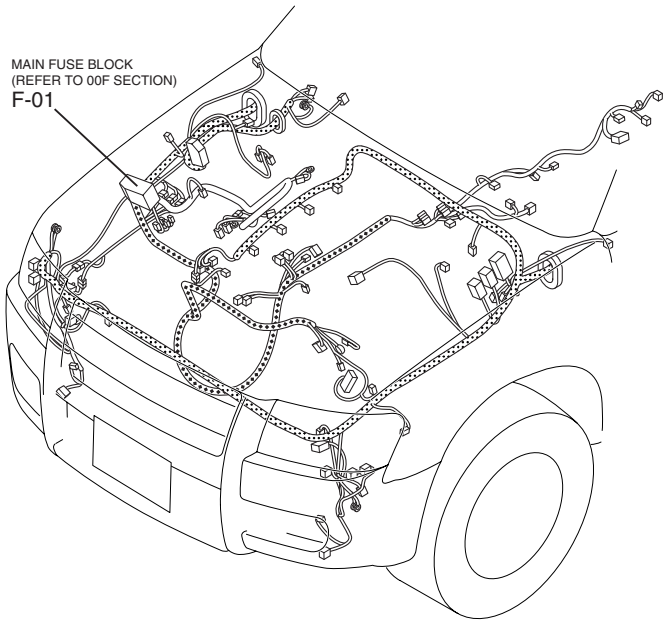


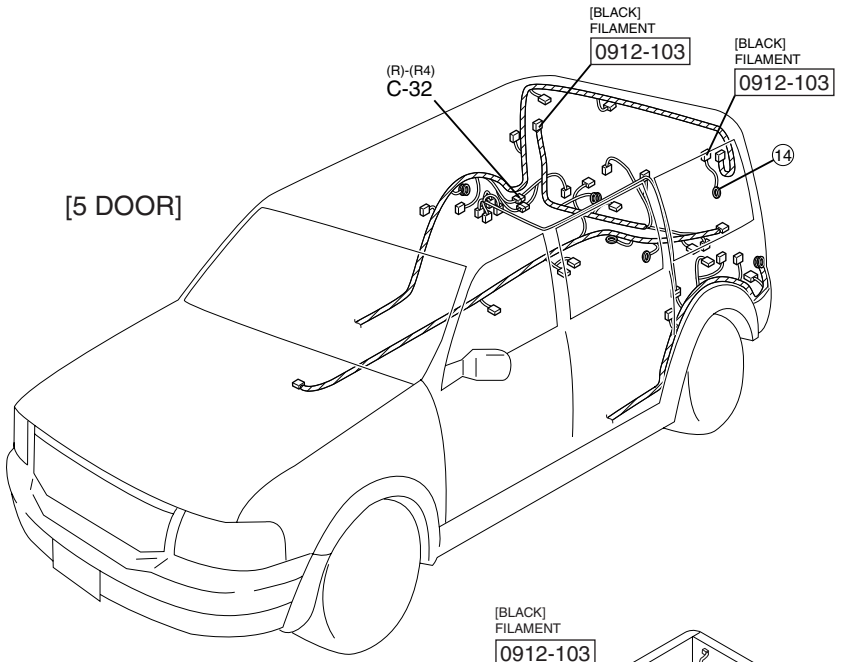
(SHORT CORD)

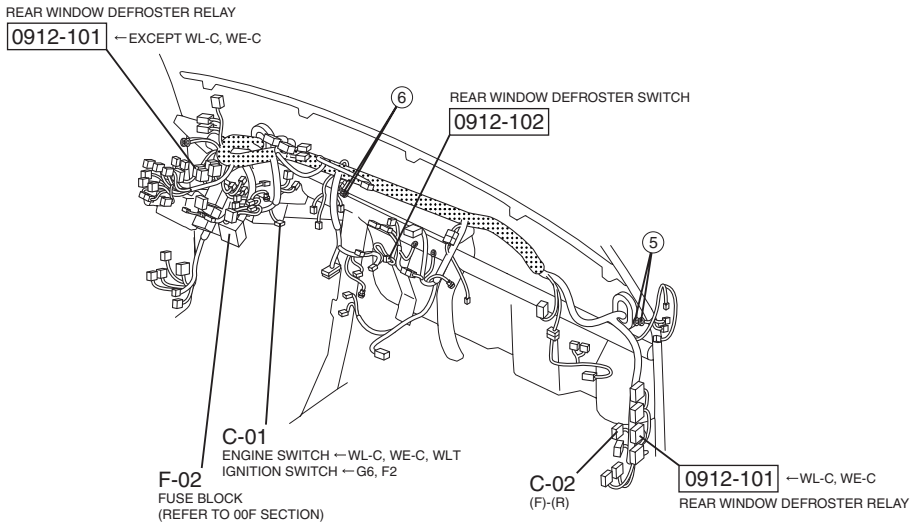


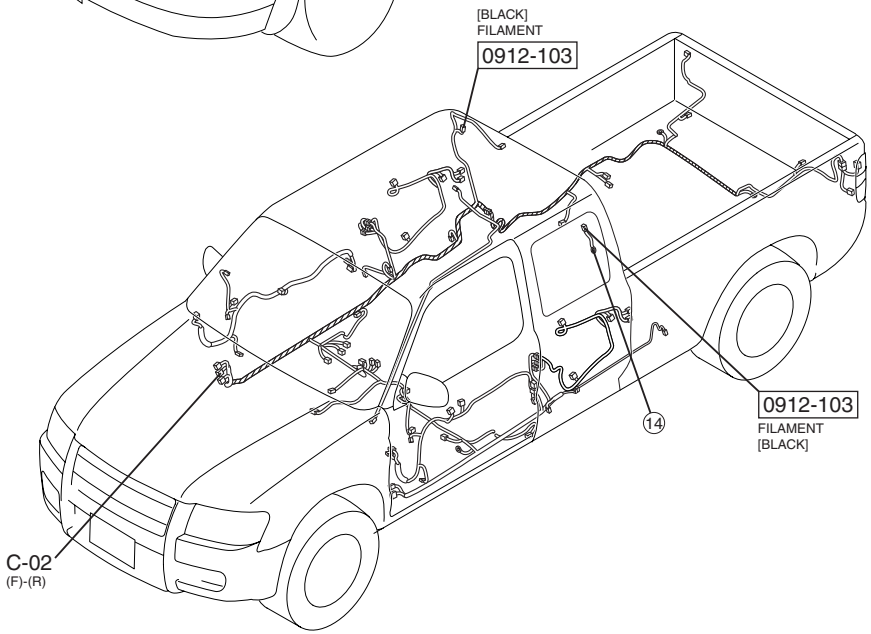
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

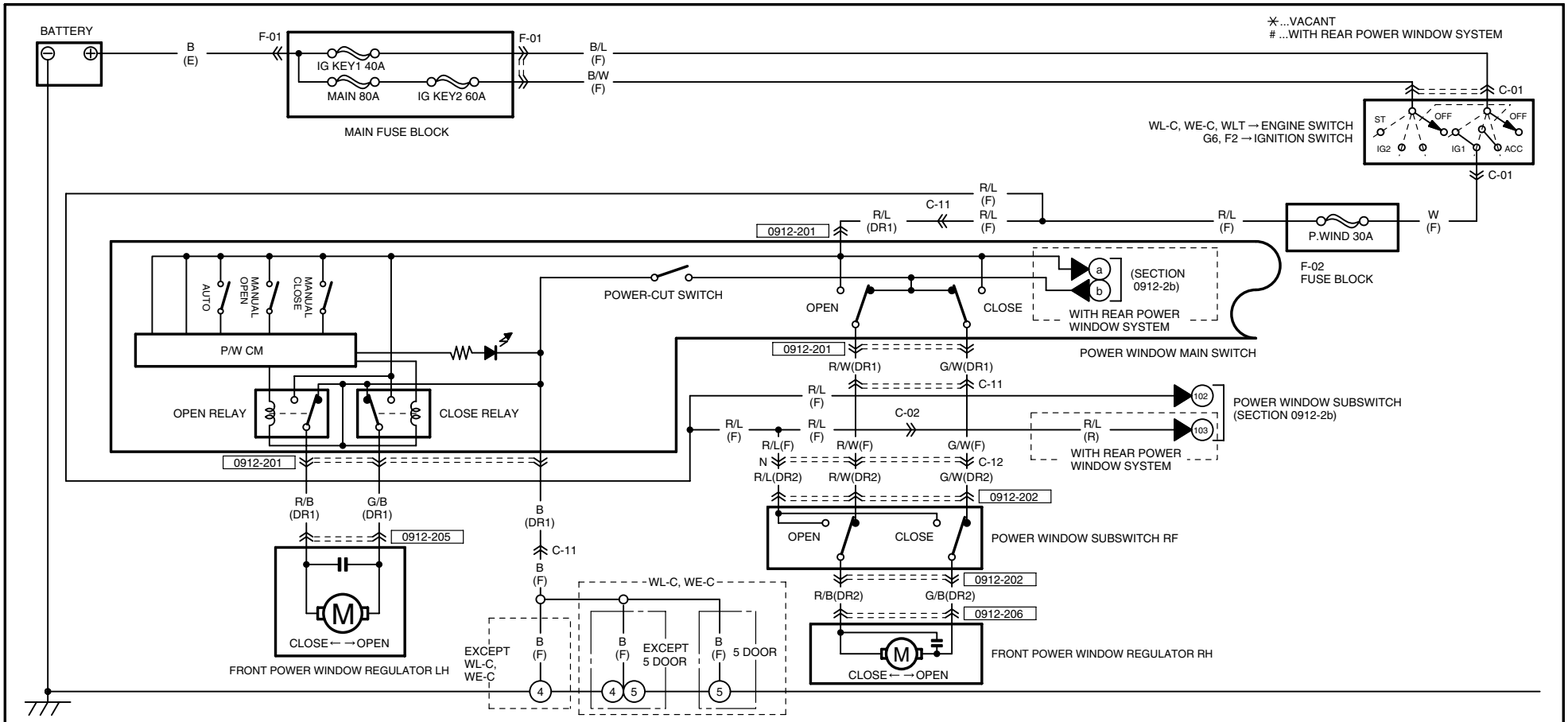








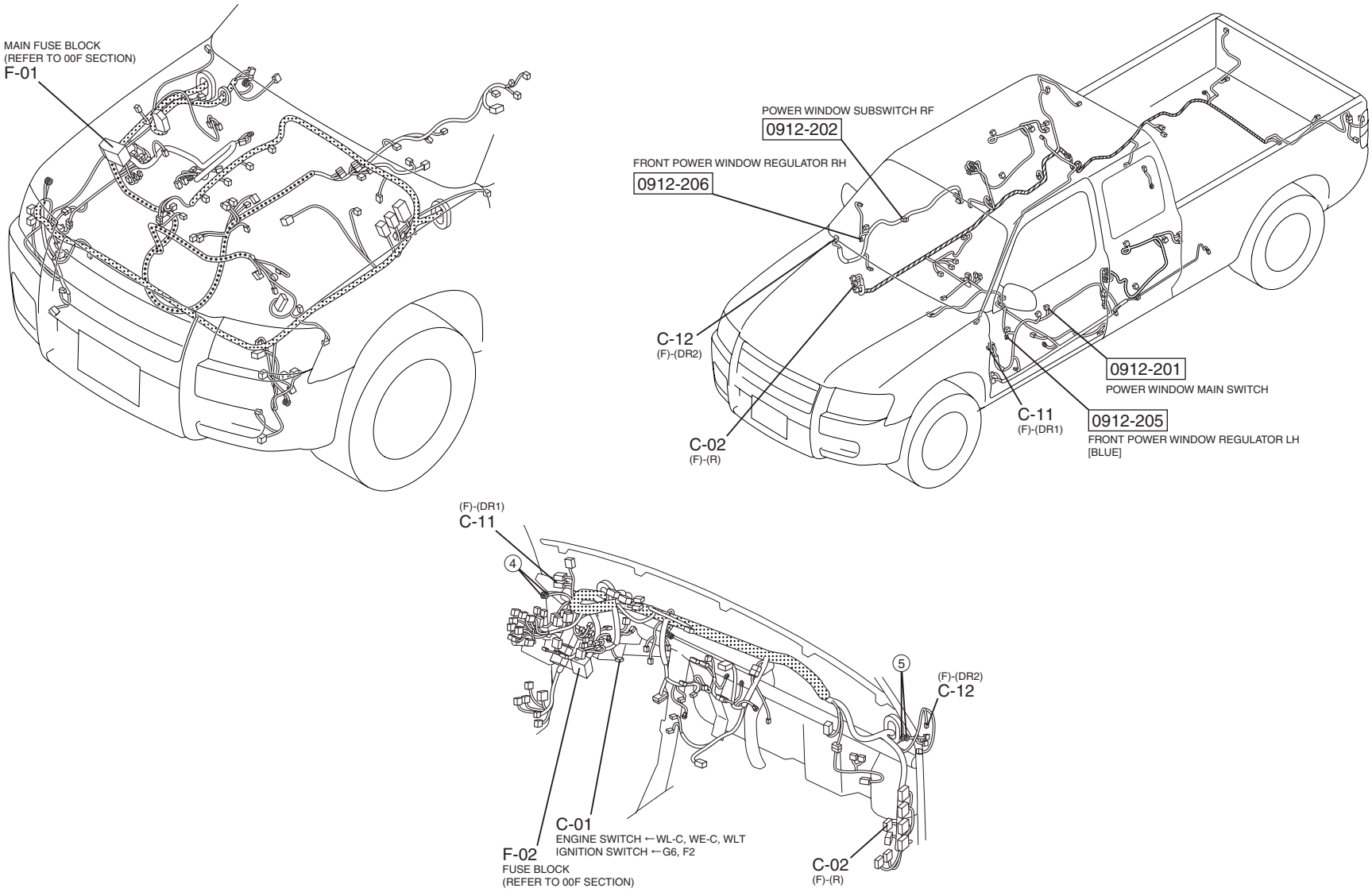
www.truck-freeworkshop.com



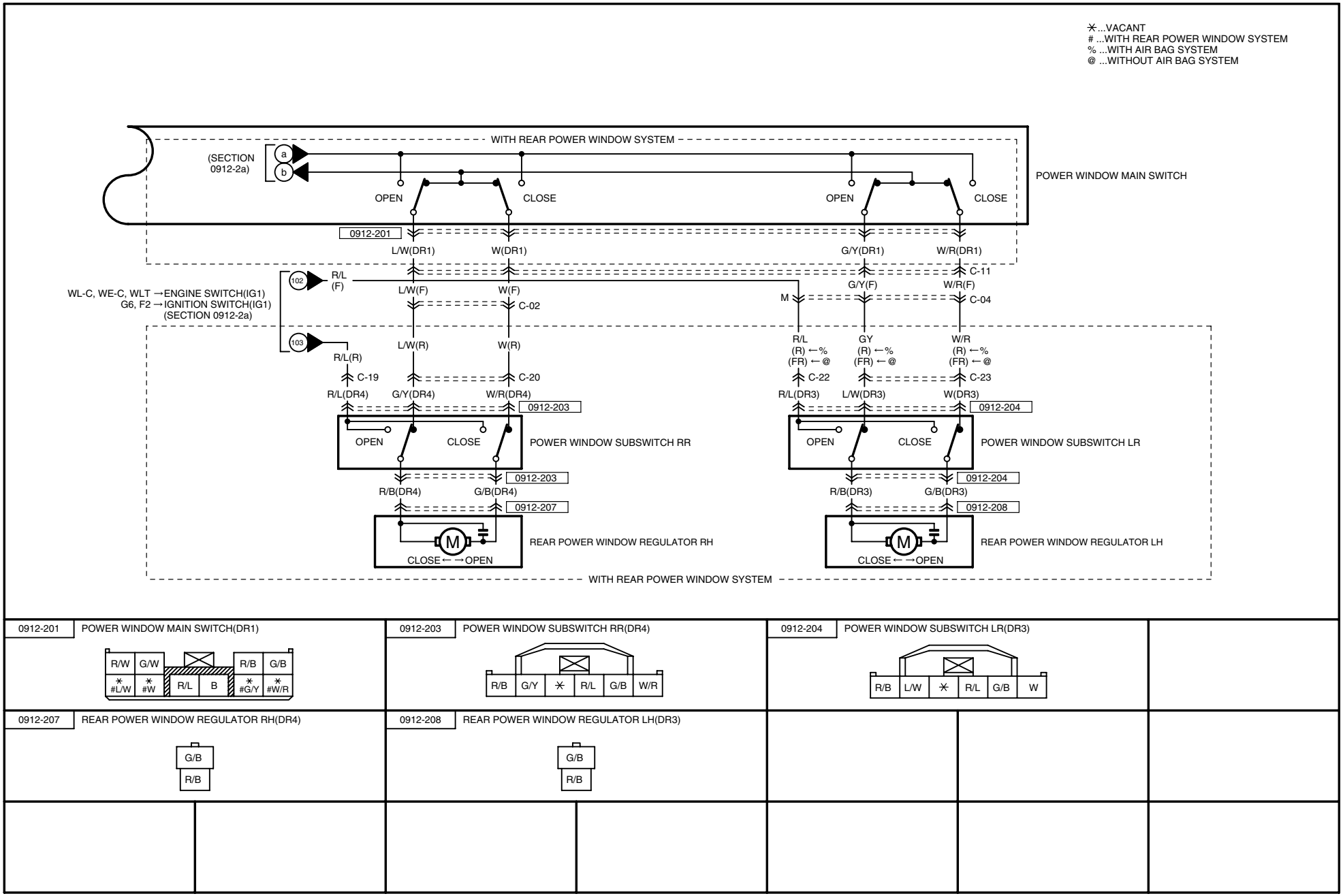
0912-201 POWER WINDOW MAIN SWITCH(DR1)	0912-202 POWER WINDOW SUBSWITCH RF(DR2)	0912-205 FRONT POWER WINDOW REGULATOR LH(DR1)	
0912-206 FRONT POWER WINDOW REGULATOR RH(DR2)			

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HARNESS SYMBOL: (F) (E) (R)



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0912-201 POWER WINDOW MAIN SWITCH(DR1)

0912-203 POWER WINDOW SUBSWITCH RR(DR4)

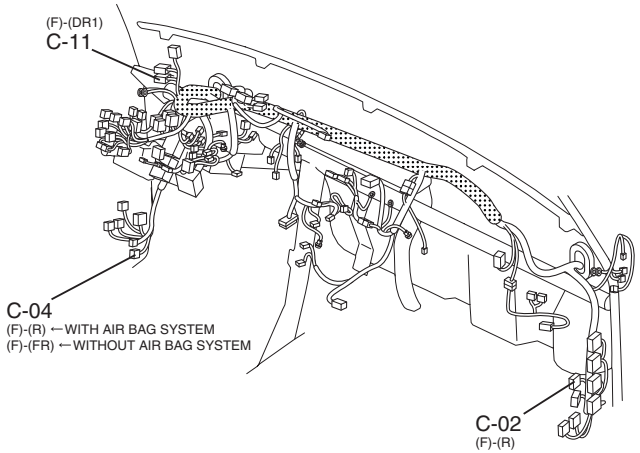
0912-204 POWER WINDOW SUBSWITCH LR(DR3)

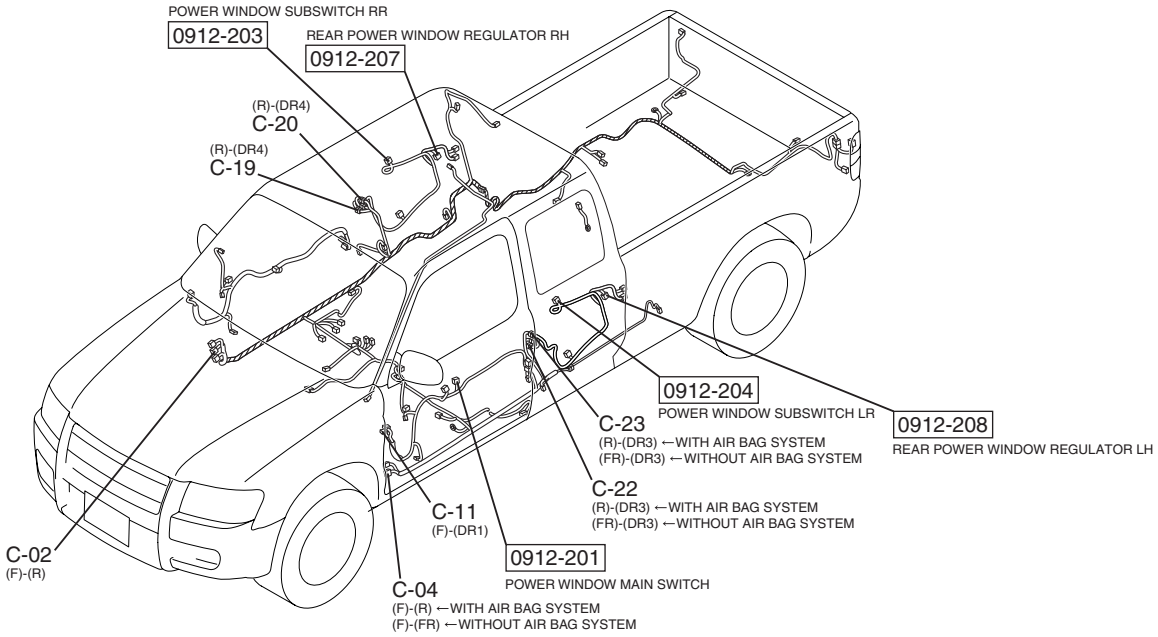
0912-207 REAR POWER WINDOW REGULATOR RH(DR4)

0912-208 REAR POWER WINDOW REGULATOR LH(DR3)

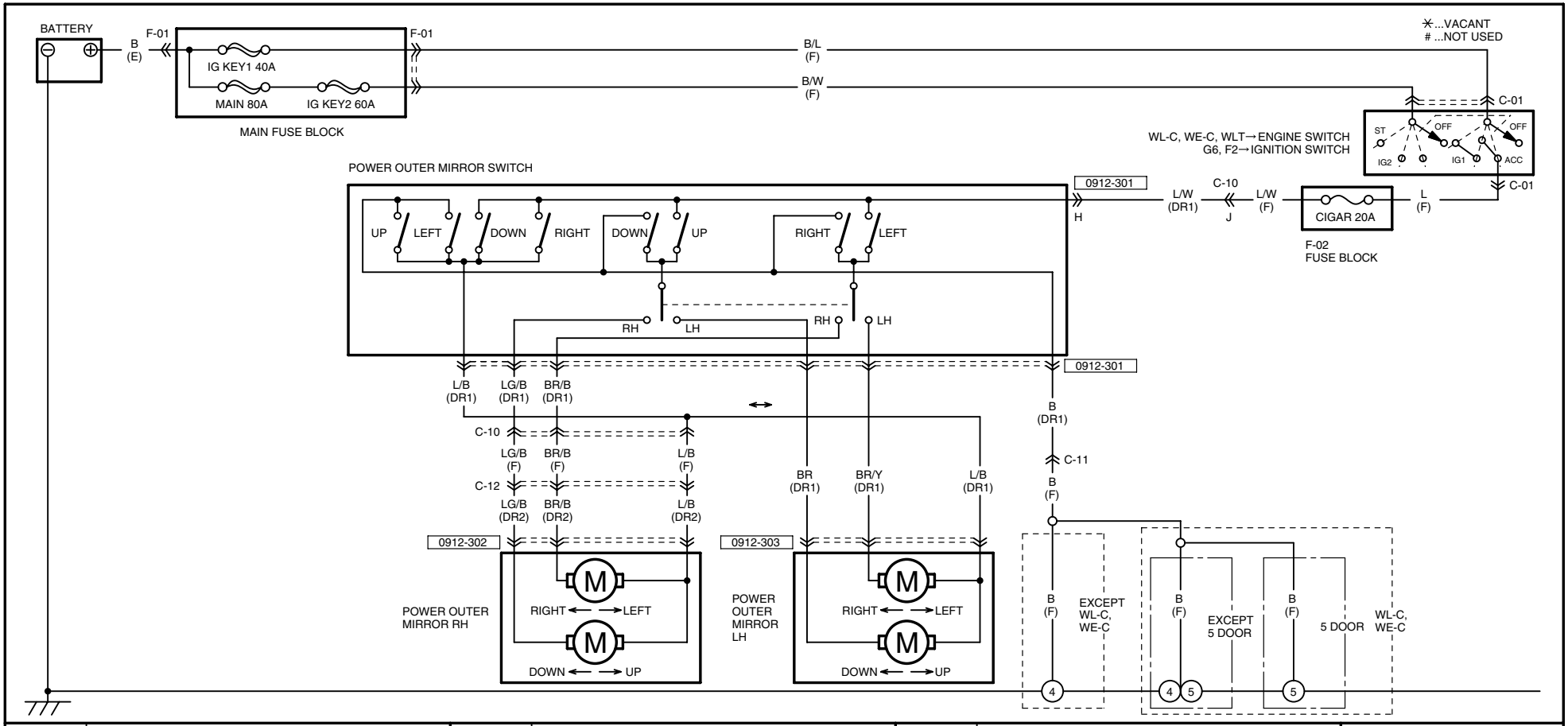
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

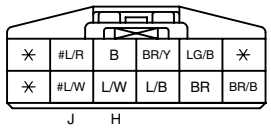




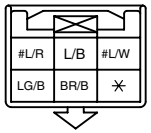
www.truck-freeworkshop.com



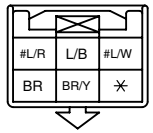
0912-301 POWER OUTER MIRROR SWITCH(DR1)



0912-302 POWER OUTER MIRROR RH(DR2)

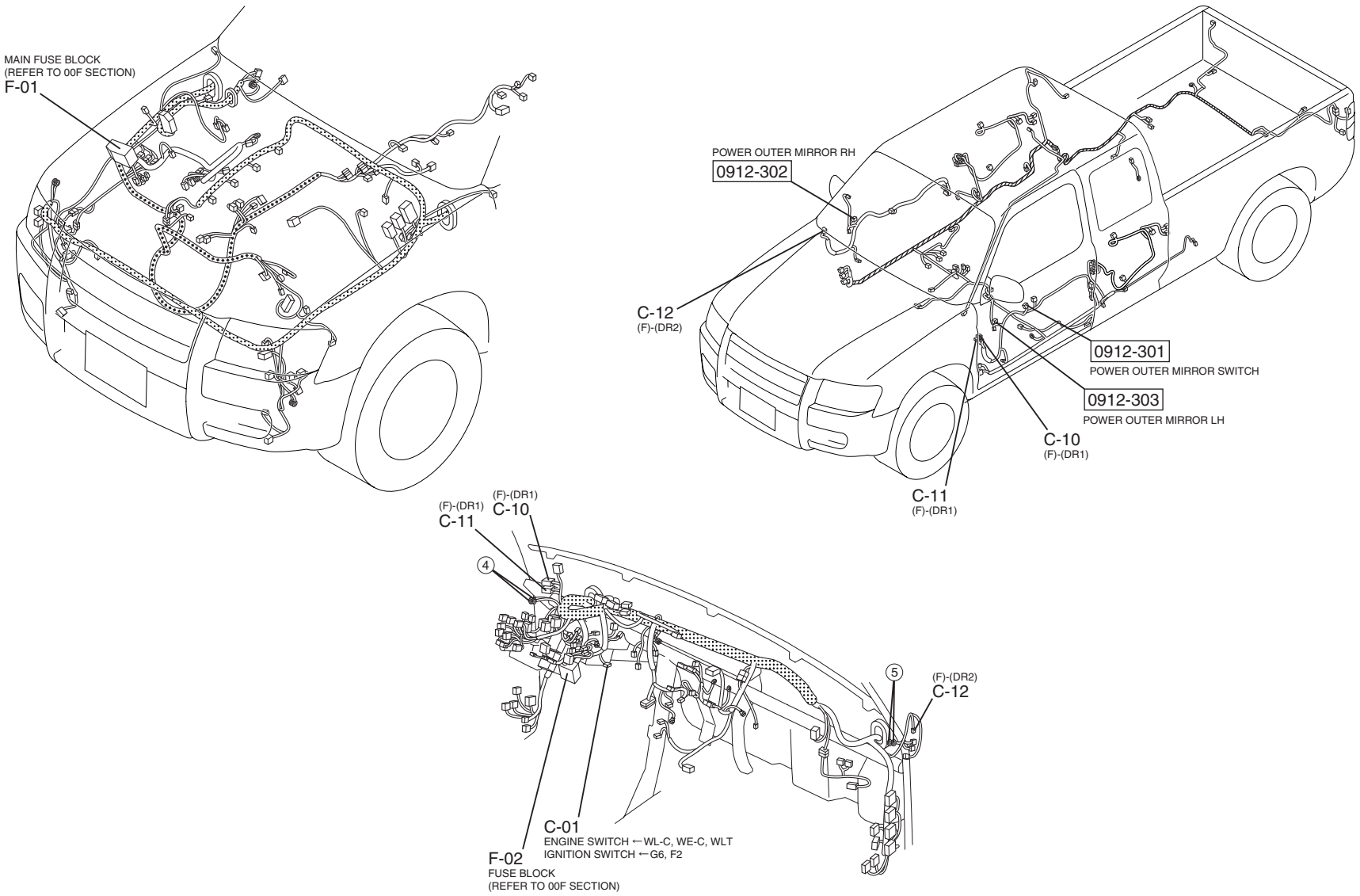


0912-303 POWER OUTER MIRROR LH(DR1)

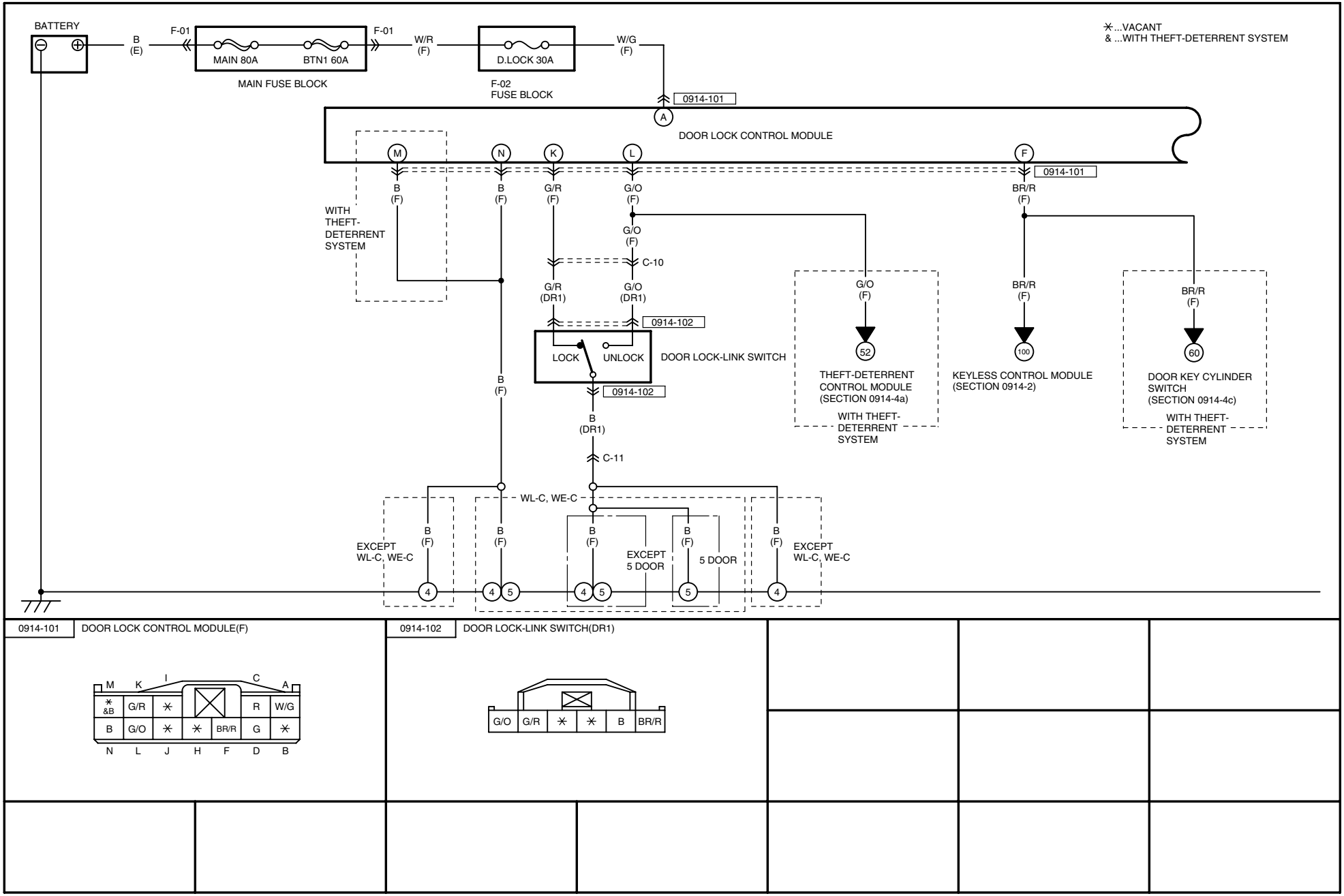


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HARNESS SYMBOL: (F) (E) (R)



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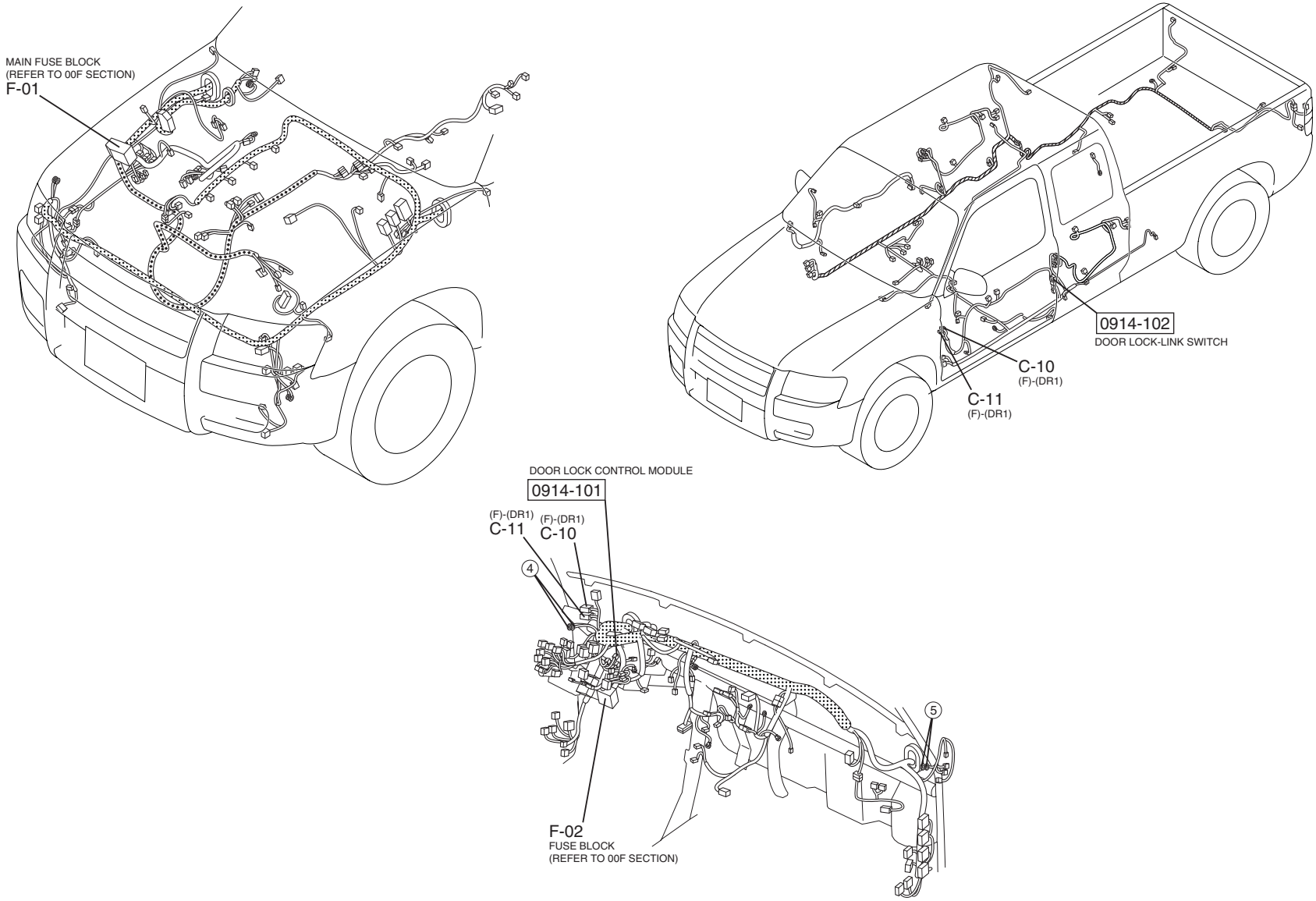


0914-101 DOOR LOCK CONTROL MODULE(F)

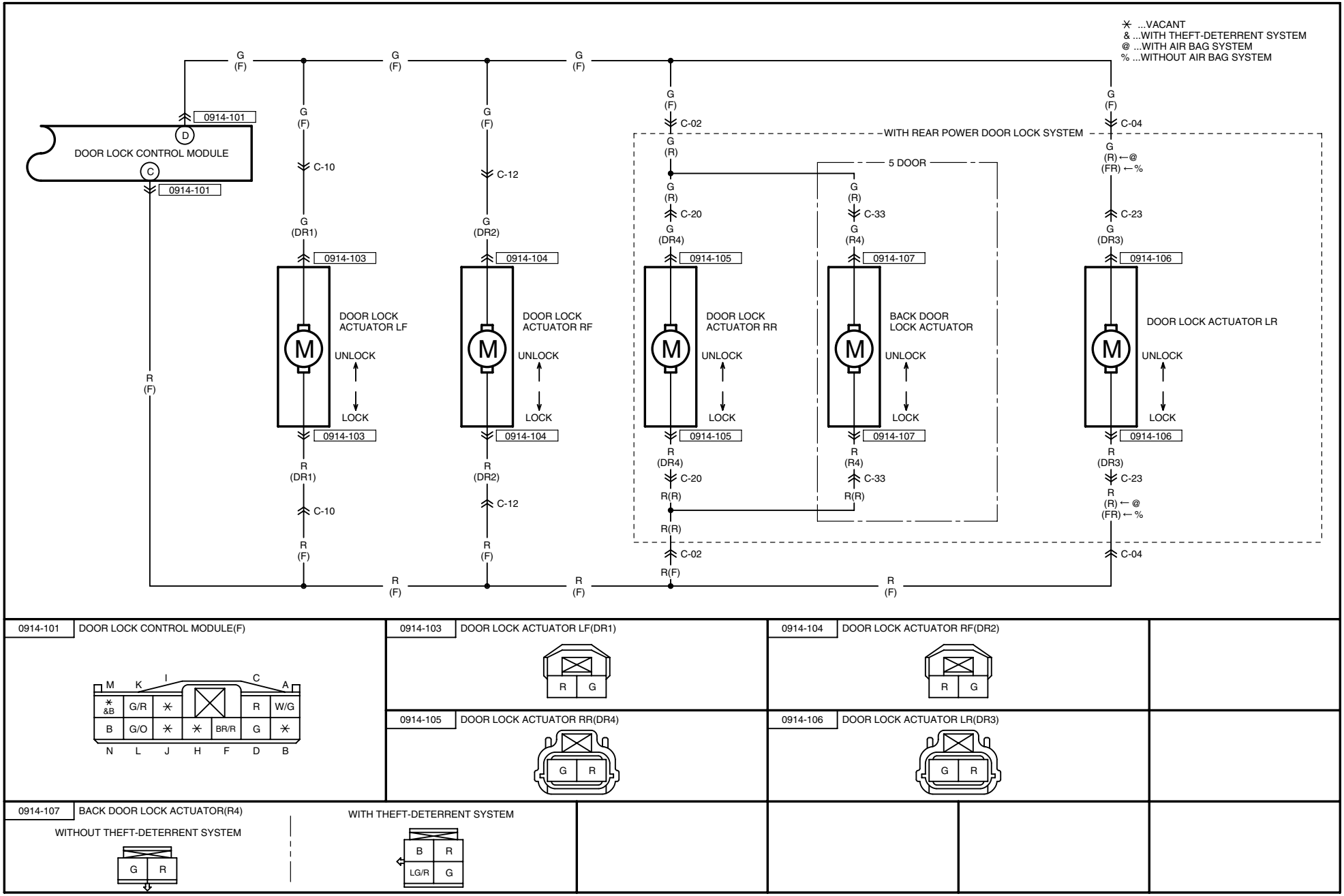
0914-102 DOOR LOCK-LINK SWITCH(DR1)

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HARNESS SYMBOL: (F) (E) (R)



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0914-101 DOOR LOCK CONTROL MODULE(F)

0914-103 DOOR LOCK ACTUATOR LF(DR1)

0914-104 DOOR LOCK ACTUATOR RF(DR2)

0914-105 DOOR LOCK ACTUATOR RR(DR4)

0914-106 DOOR LOCK ACTUATOR LR(DR3)

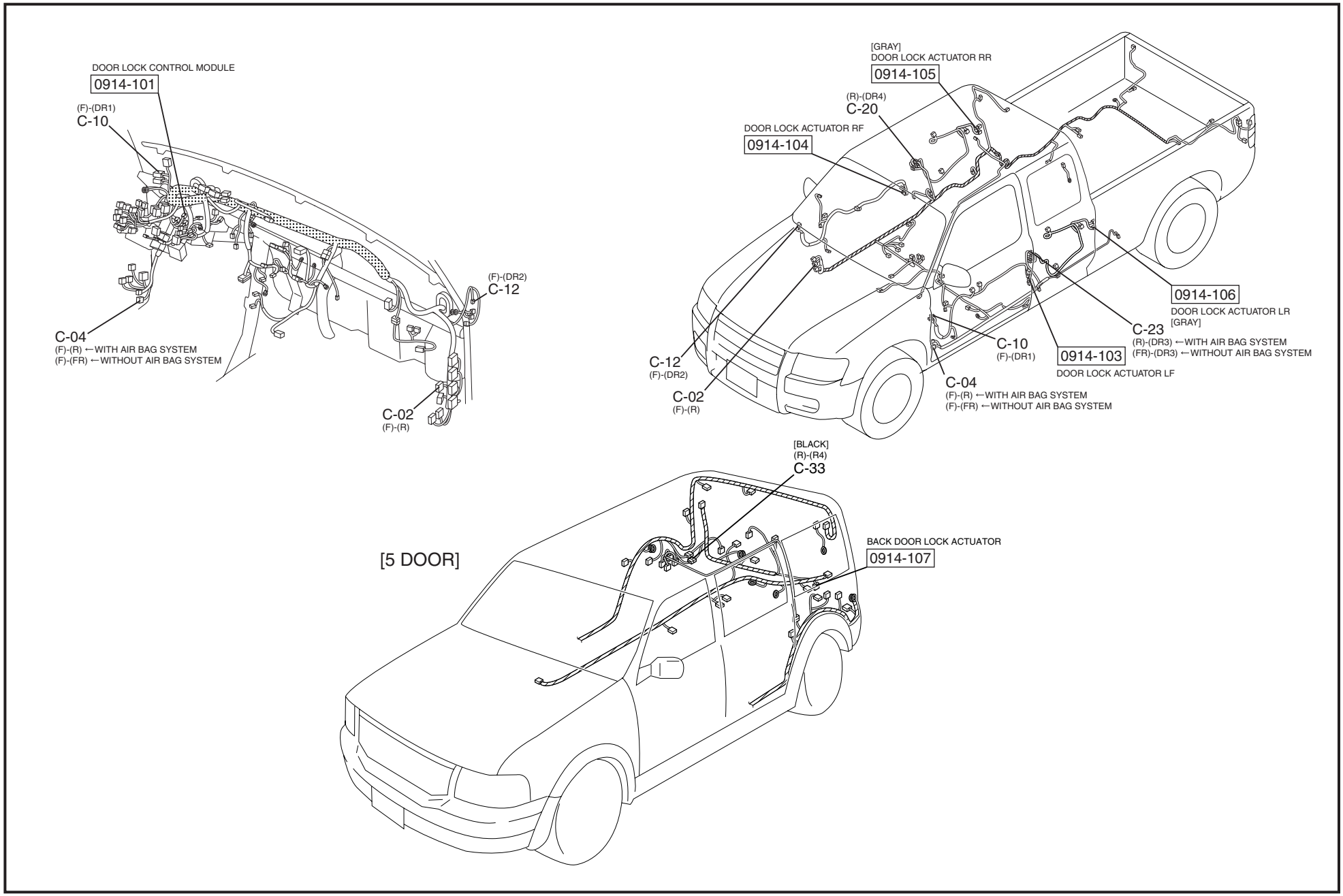
0914-107 BACK DOOR LOCK ACTUATOR(R4)

WITHOUT THEFT-DETERRENT SYSTEM

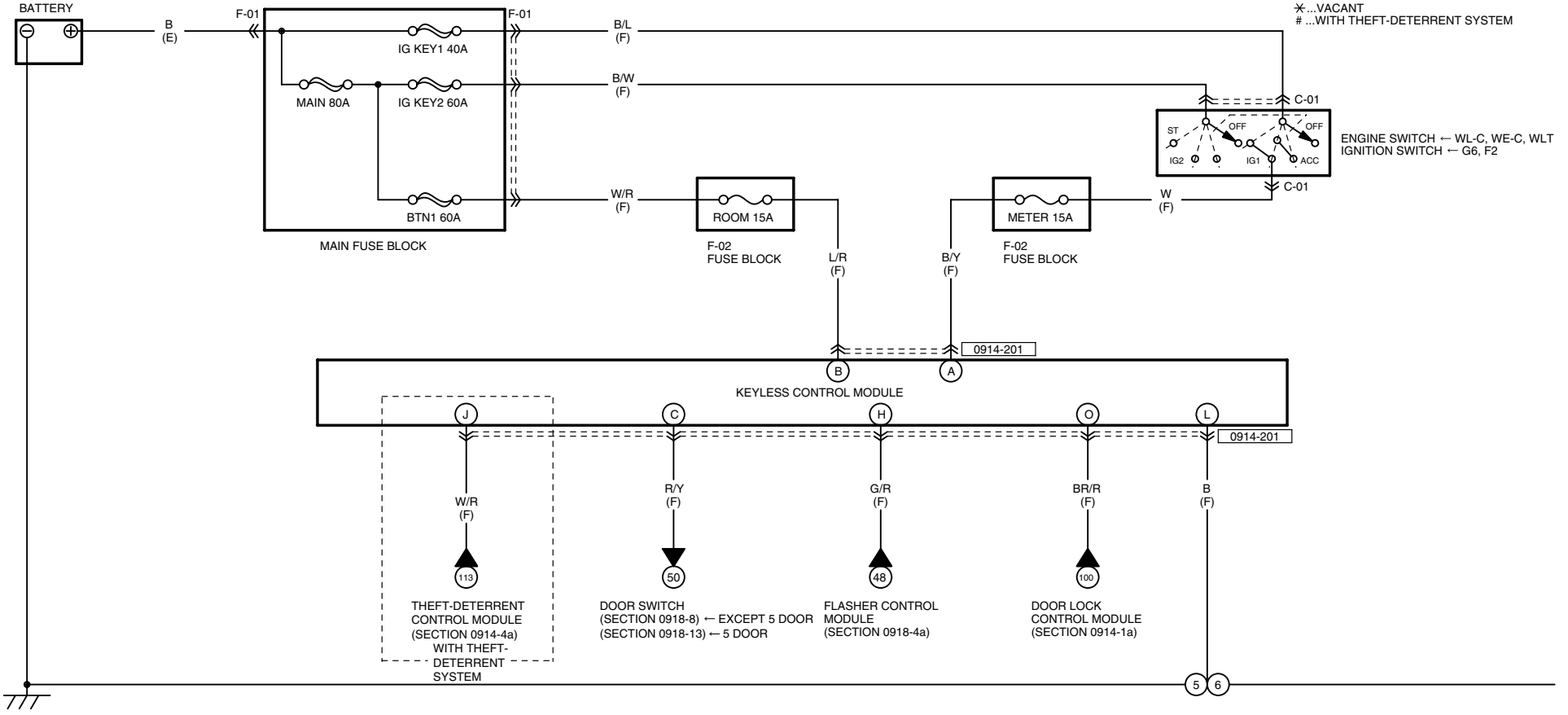
WITH THEFT-DETERRENT SYSTEM

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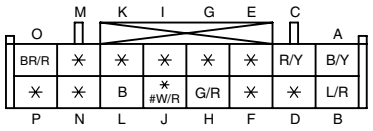
HARNESS SYMBOL: (F) (E) (R)



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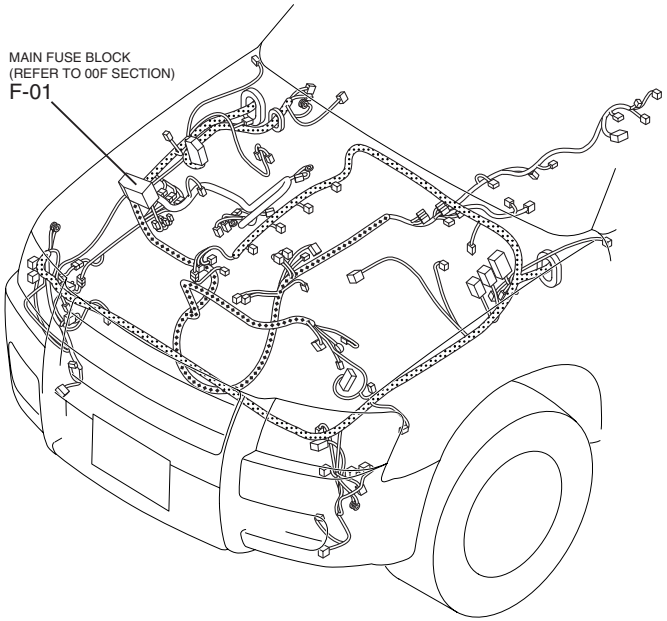


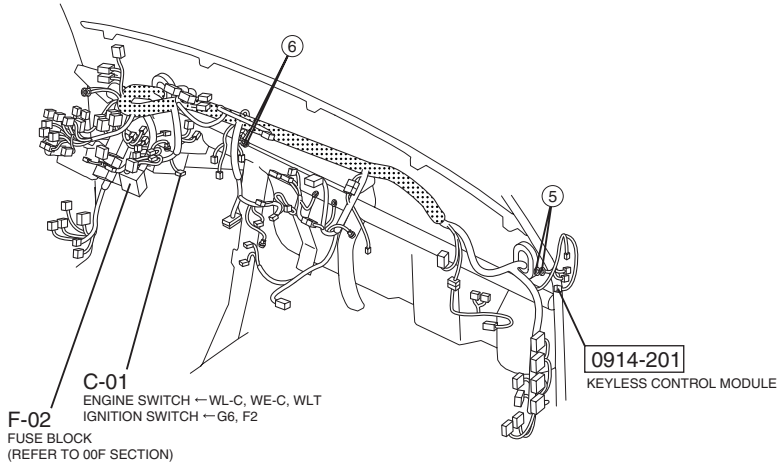
0914-201 KEYLESS CONTROL MODULE(F)



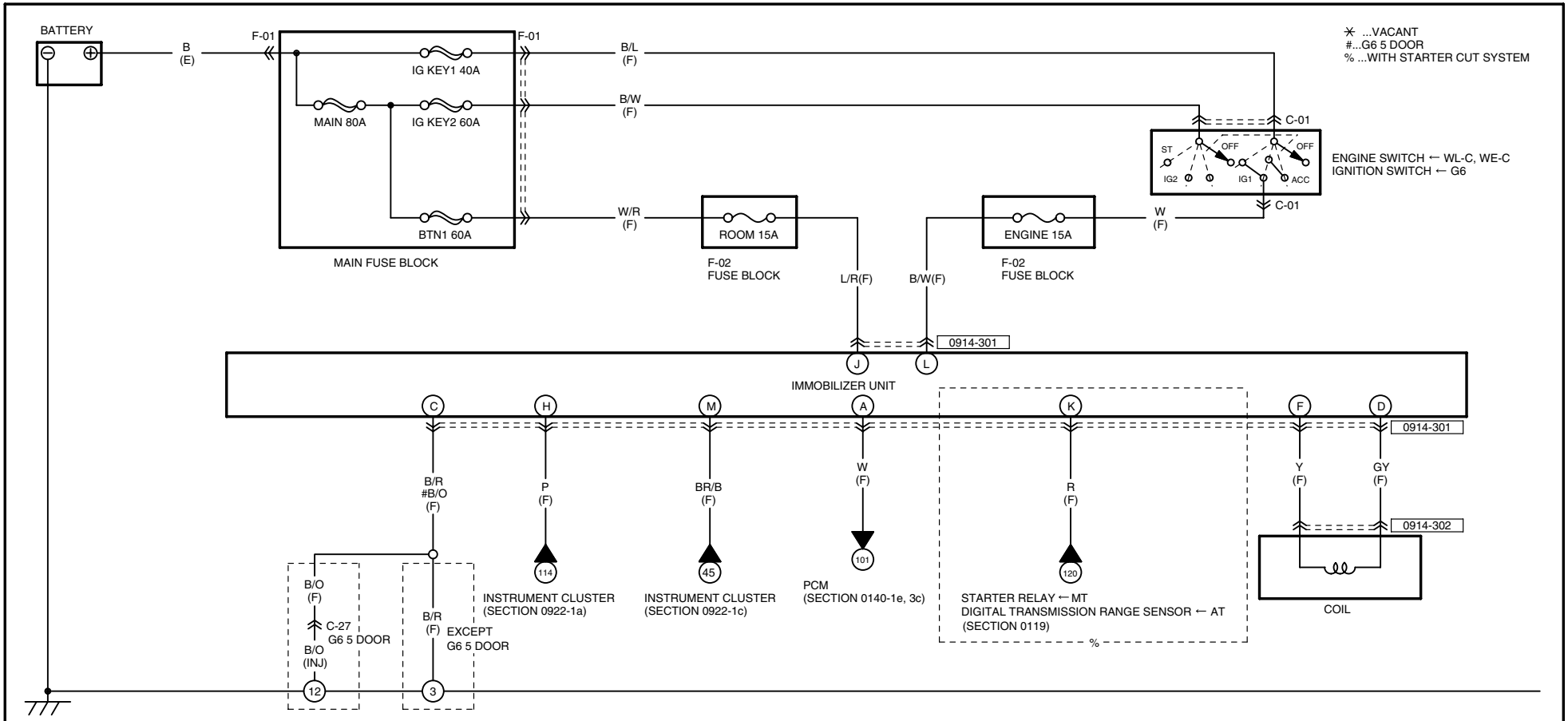
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)

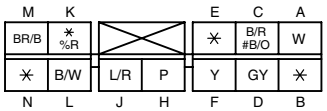




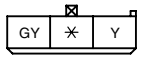
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0914-301 IMMOBILIZER UNIT(F)

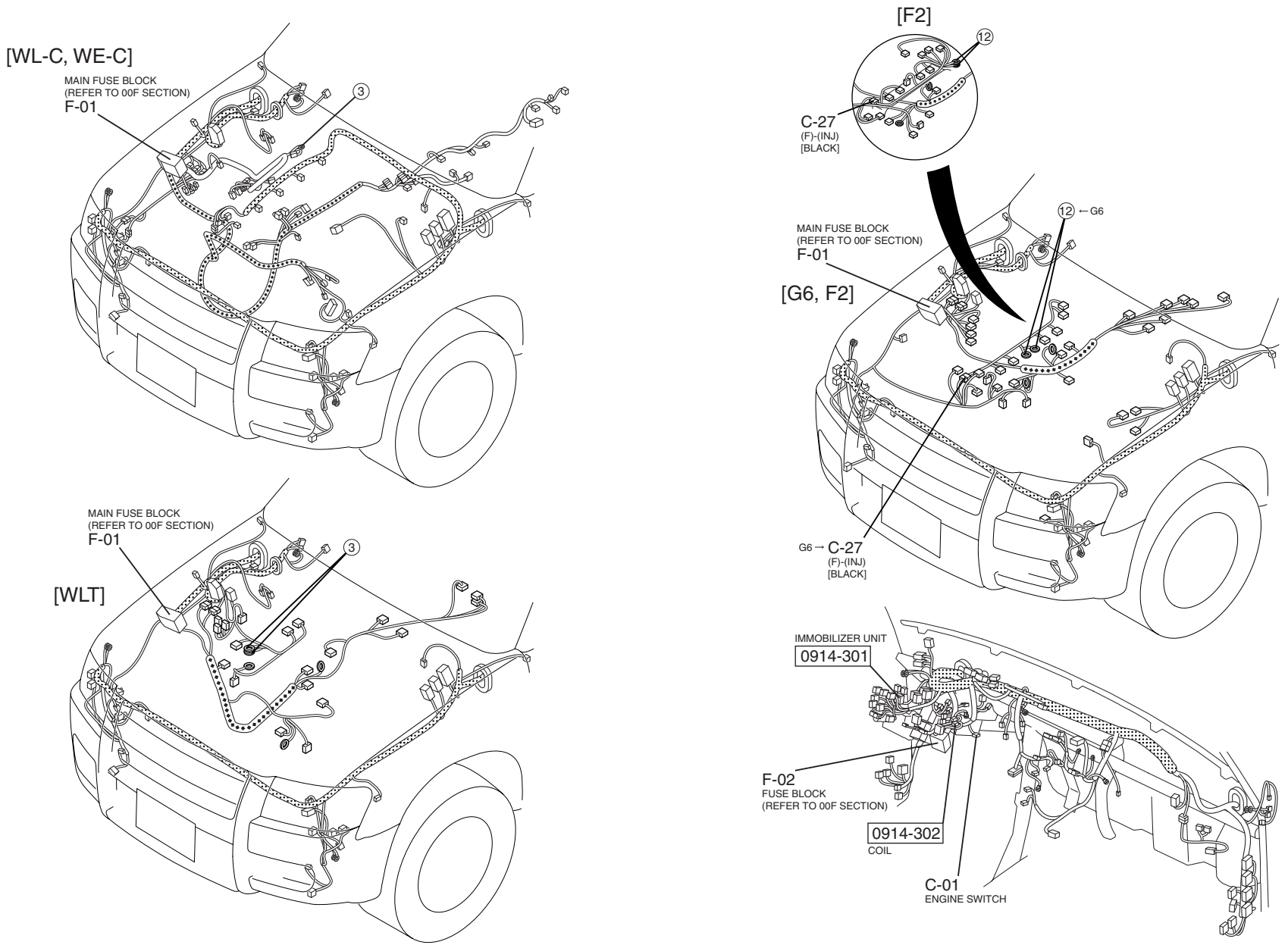


0914-302 COIL(F)

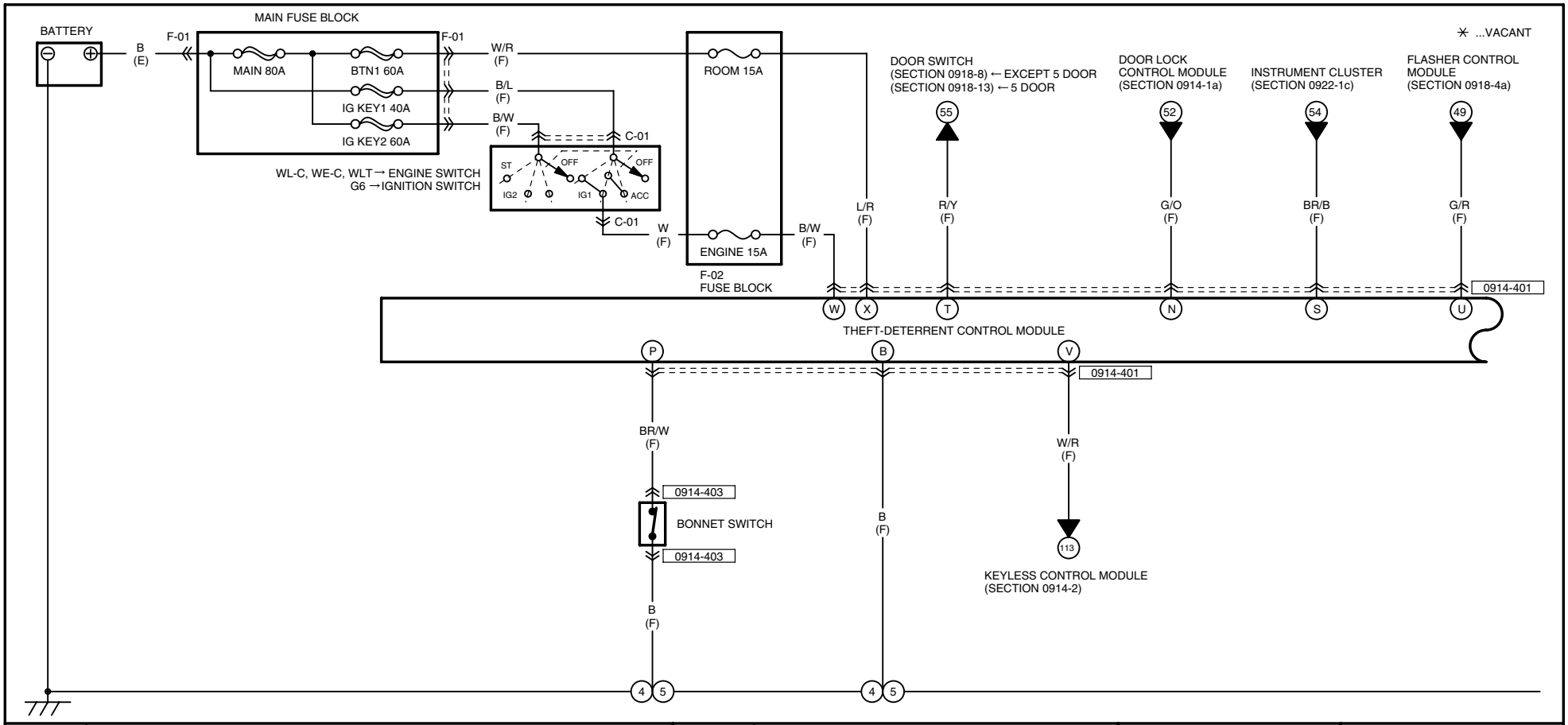


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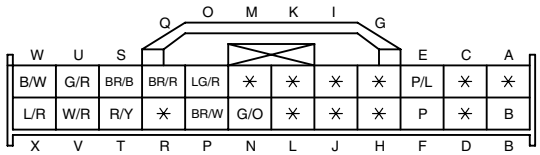
HARNESS SYMBOL: (F) (E) (R)



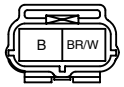
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0914-401 THEFT-DETERRENT CONTROL MODULE(F)

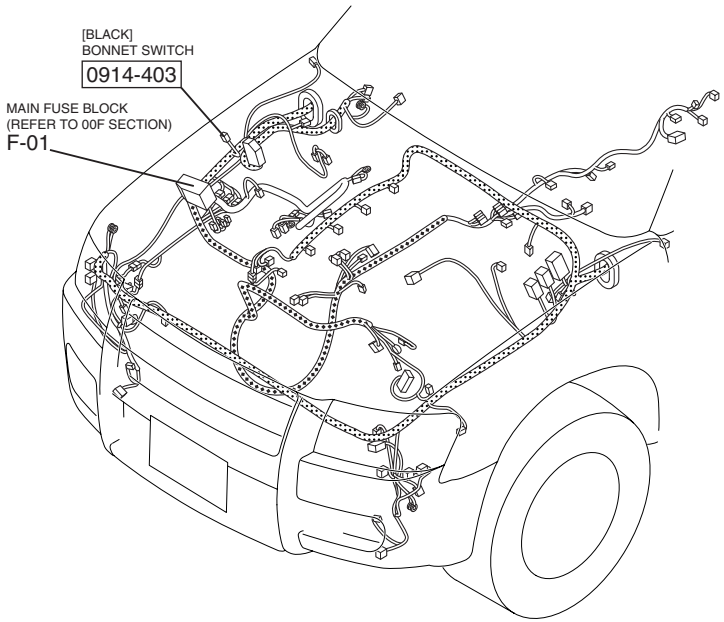


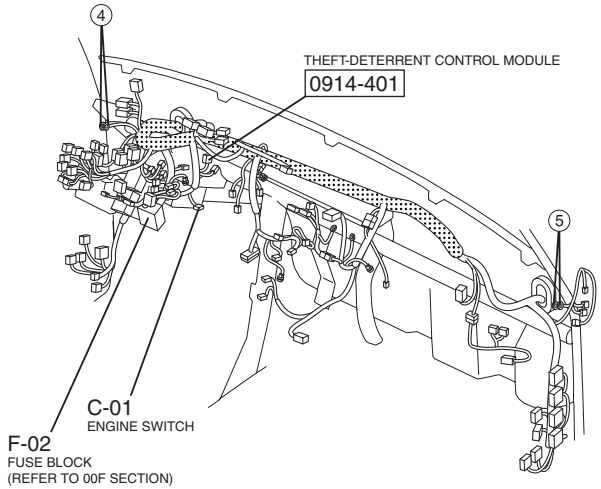
0914-403 BONNET SWITCH(F)



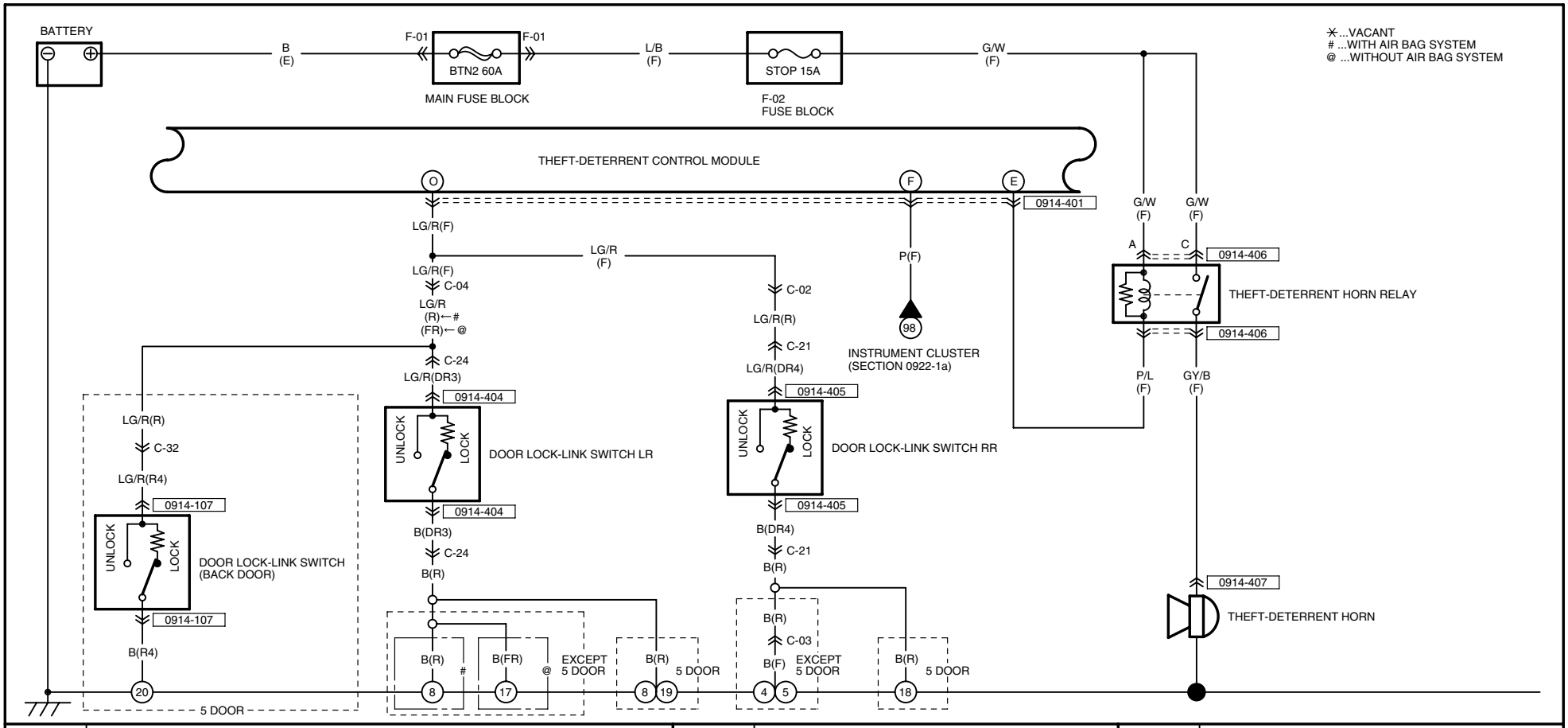
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HARNESS SYMBOL: (F) (E) (R)

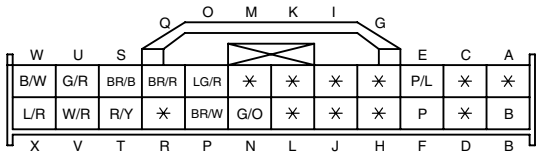




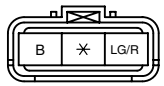
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0914-401 THEFT-DETERRENT CONTROL MODULE(F)



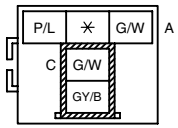
0914-404 DOOR LOCK-LINK SWITCH LR(DR3)



0914-405 DOOR LOCK-LINK SWITCH RR(DR4)



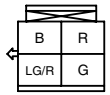
0914-406 THEFT-DETERRENT HORN RELAY(F)



0914-407 THEFT-DETERRENT HORN(F)

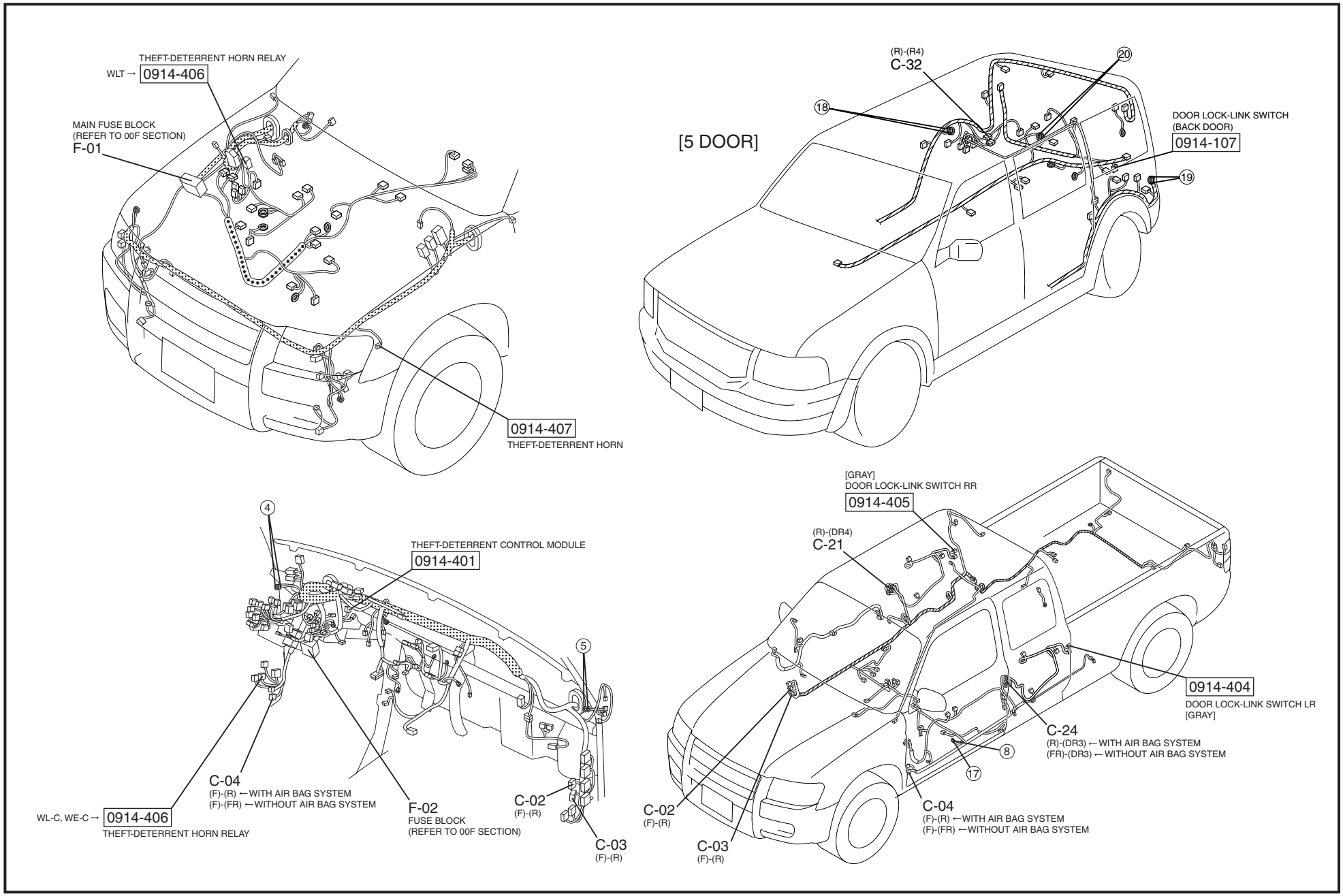


0914-107 DOOR LOCK-LINK SWITCH(BACK DOOR)(R4)

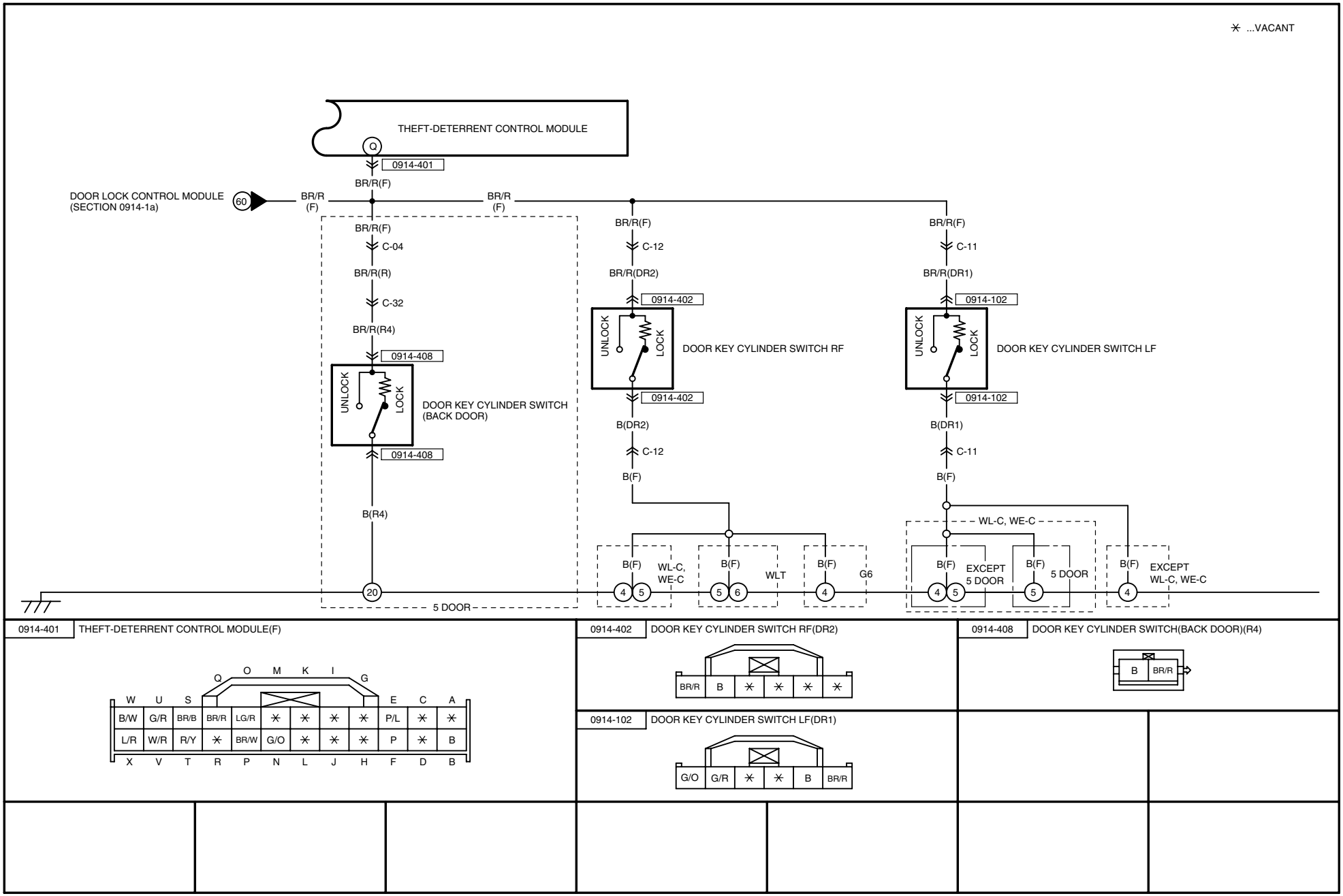


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HARNESS SYMBOL: (F) (E) (R)



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0914-401 THEFT-DETERRENT CONTROL MODULE(F)

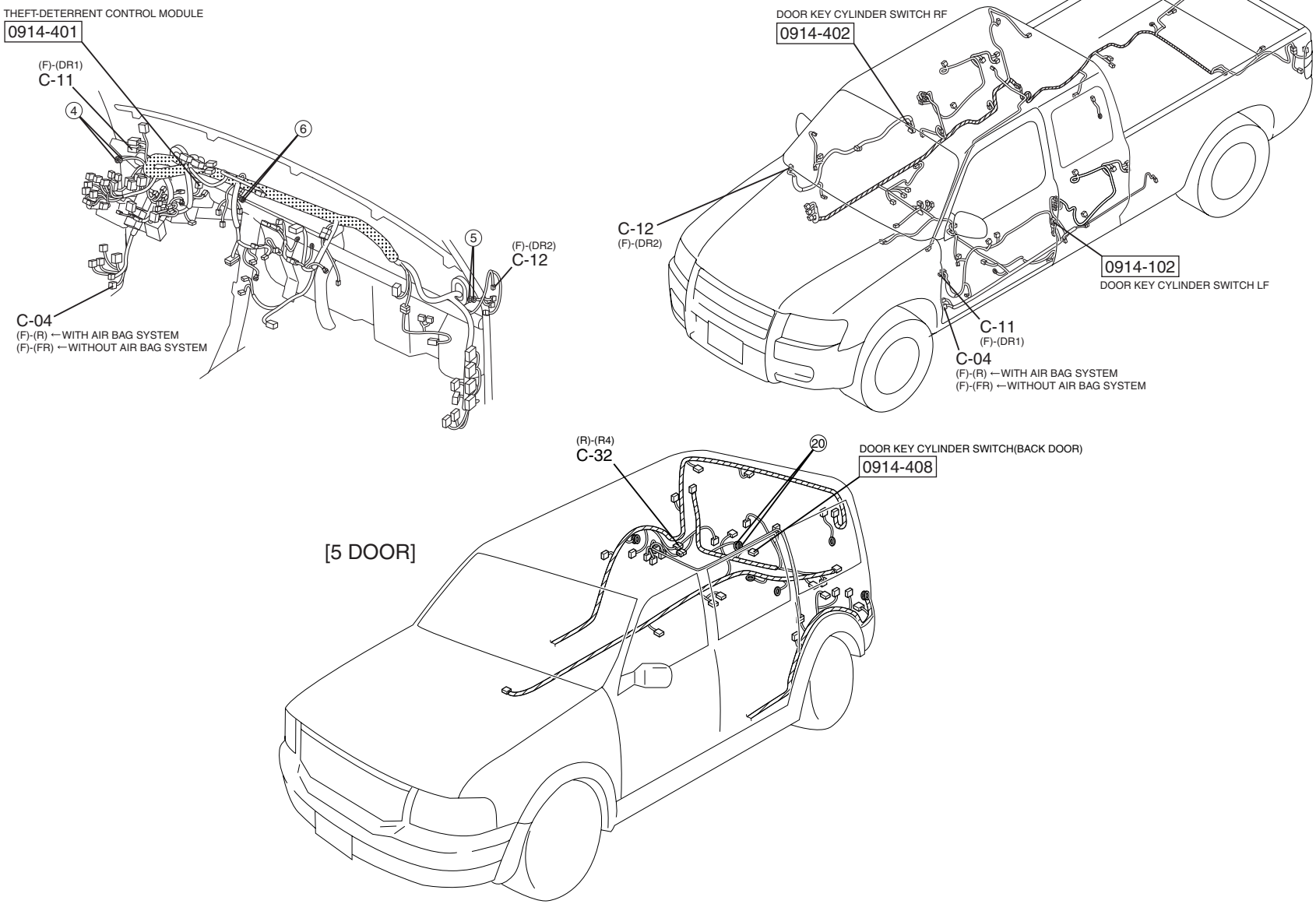
0914-402 DOOR KEY CYLINDER SWITCH RF(DR2)

0914-408 DOOR KEY CYLINDER SWITCH(BACK DOOR)(R4)

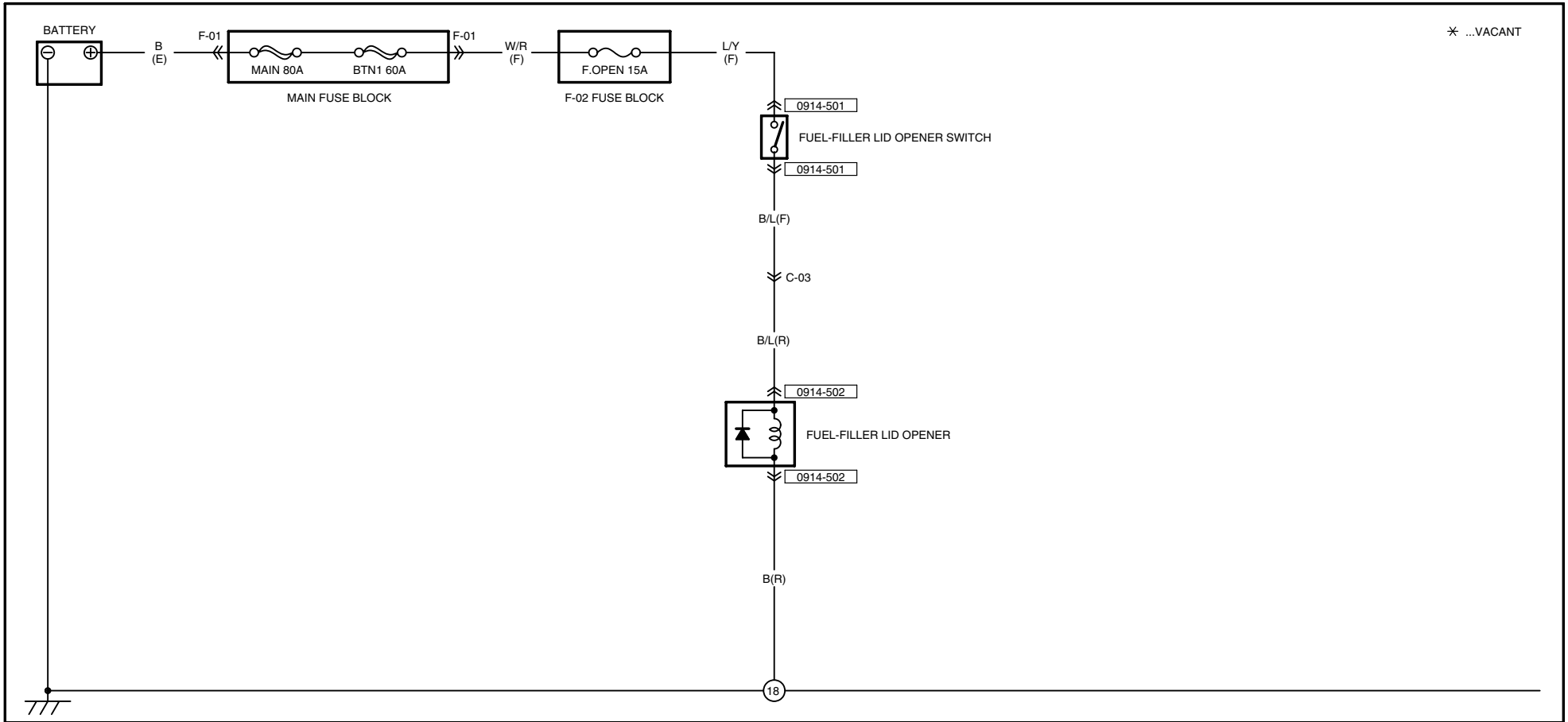
0914-102 DOOR KEY CYLINDER SWITCH LF(DR1)

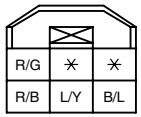
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HARNESS SYMBOL: (F) (E) (R)



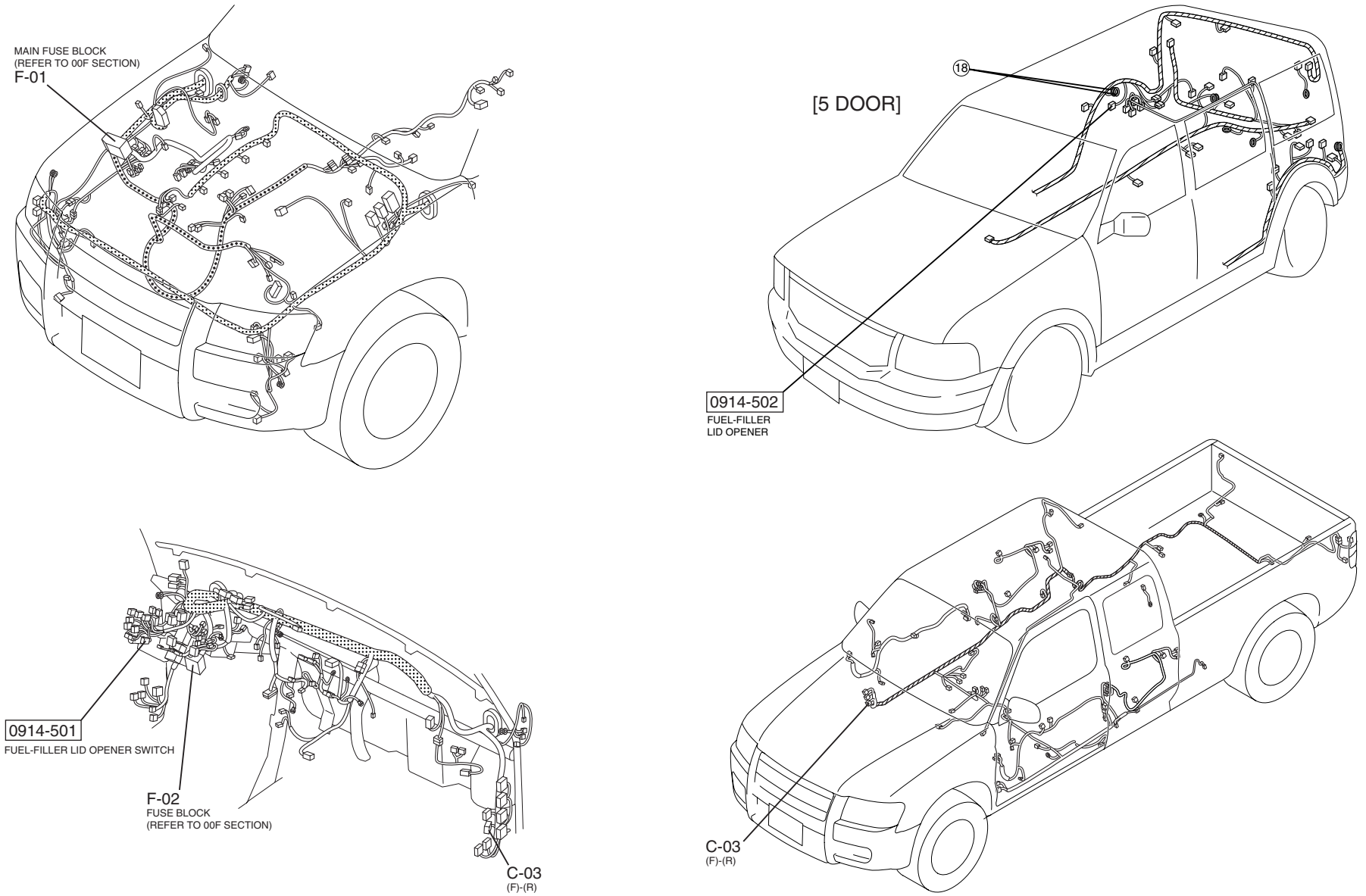
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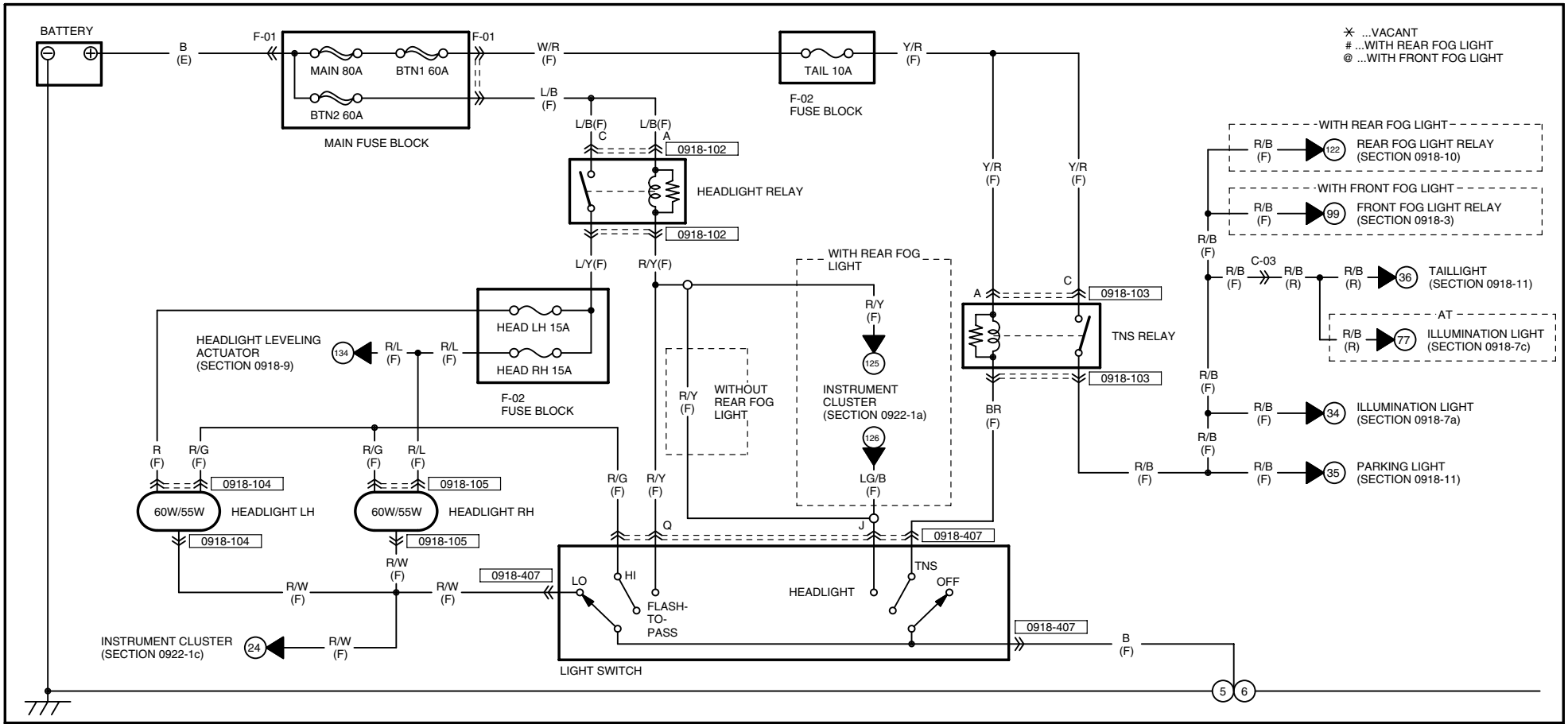
0914-501 FUEL-FILLER LID OPENER SWITCH(F)	0914-502 FUEL-FILLER LID OPENER(R)			
				

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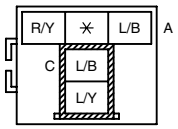
HARNESS SYMBOL: (F) (E) (R)



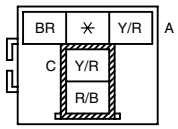
www.truck-freeworkshop.com



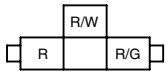
0918-102	HEADLIGHT RELAY(F)



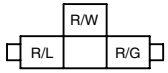
0918-103	TNS RELAY(F)



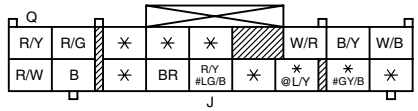
0918-104	HEADLIGHT LH(F)



0918-105	HEADLIGHT RH(F)

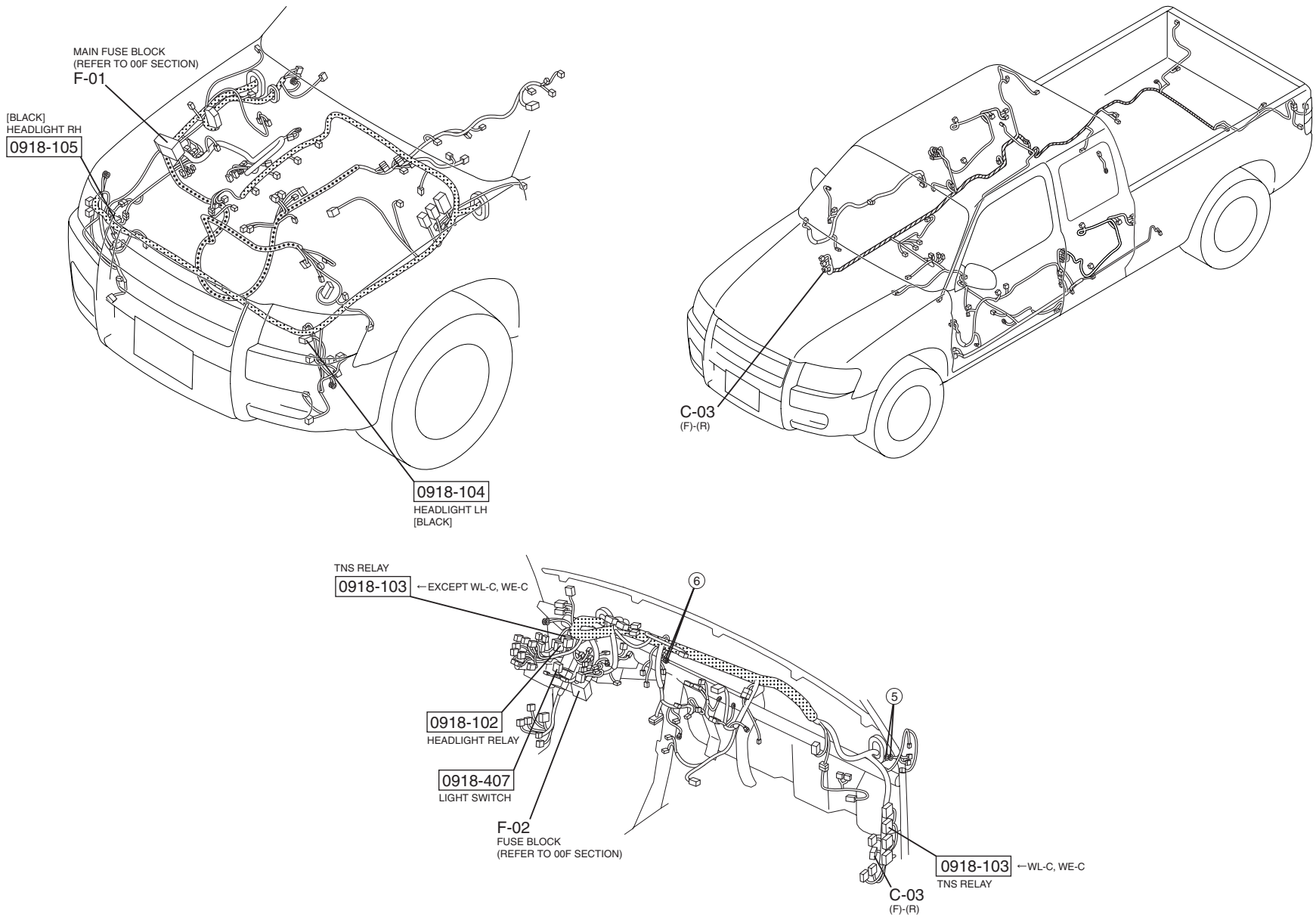


0918-407	LIGHT SWITCH(F)

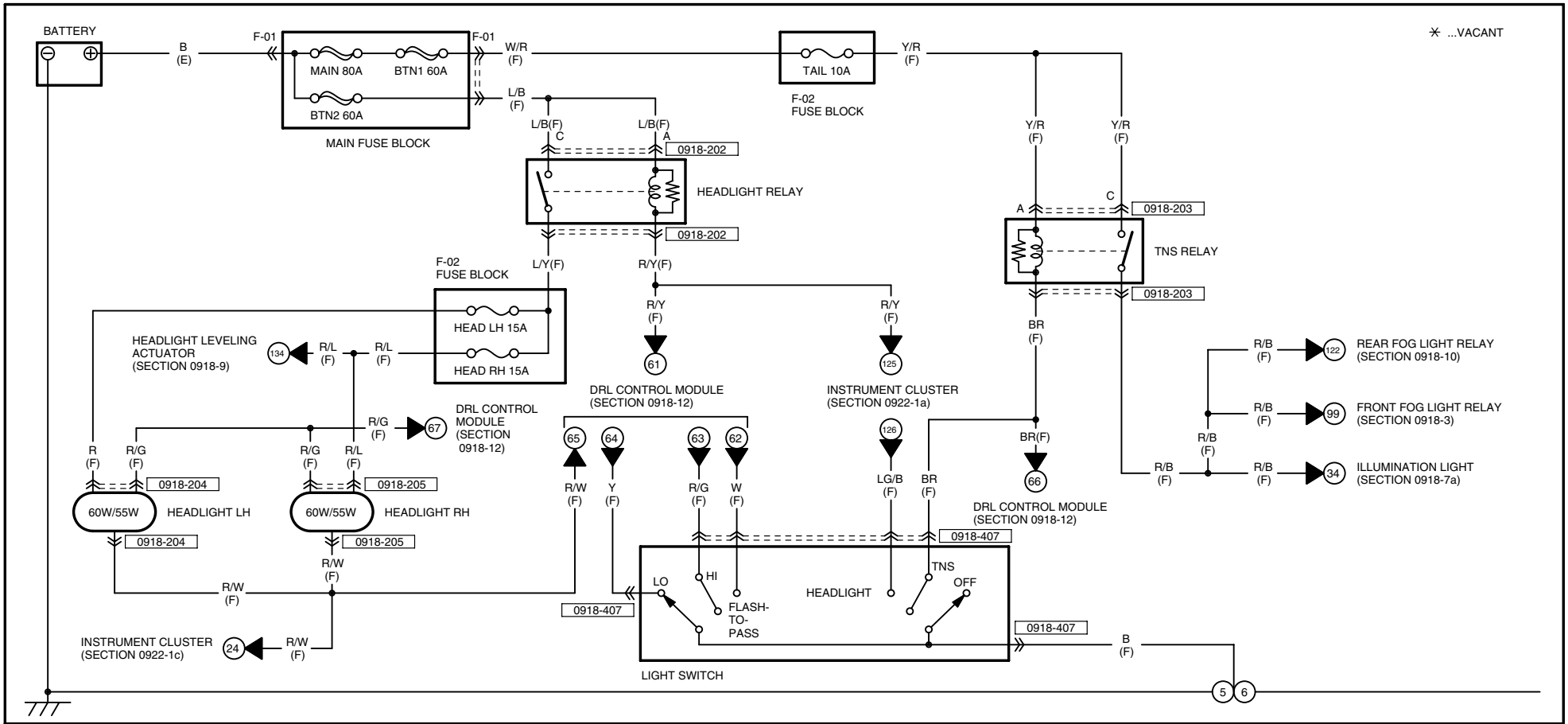


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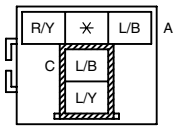
HARNESS SYMBOL: (F) (E) (R)



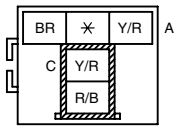
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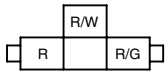
0918-202 HEADLIGHT RELAY(F)



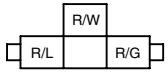
0918-203 TNS RELAY(F)



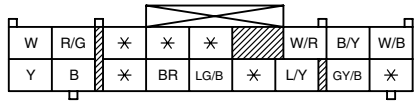
0918-204 HEADLIGHT LH(F)



0918-205 HEADLIGHT RH(F)

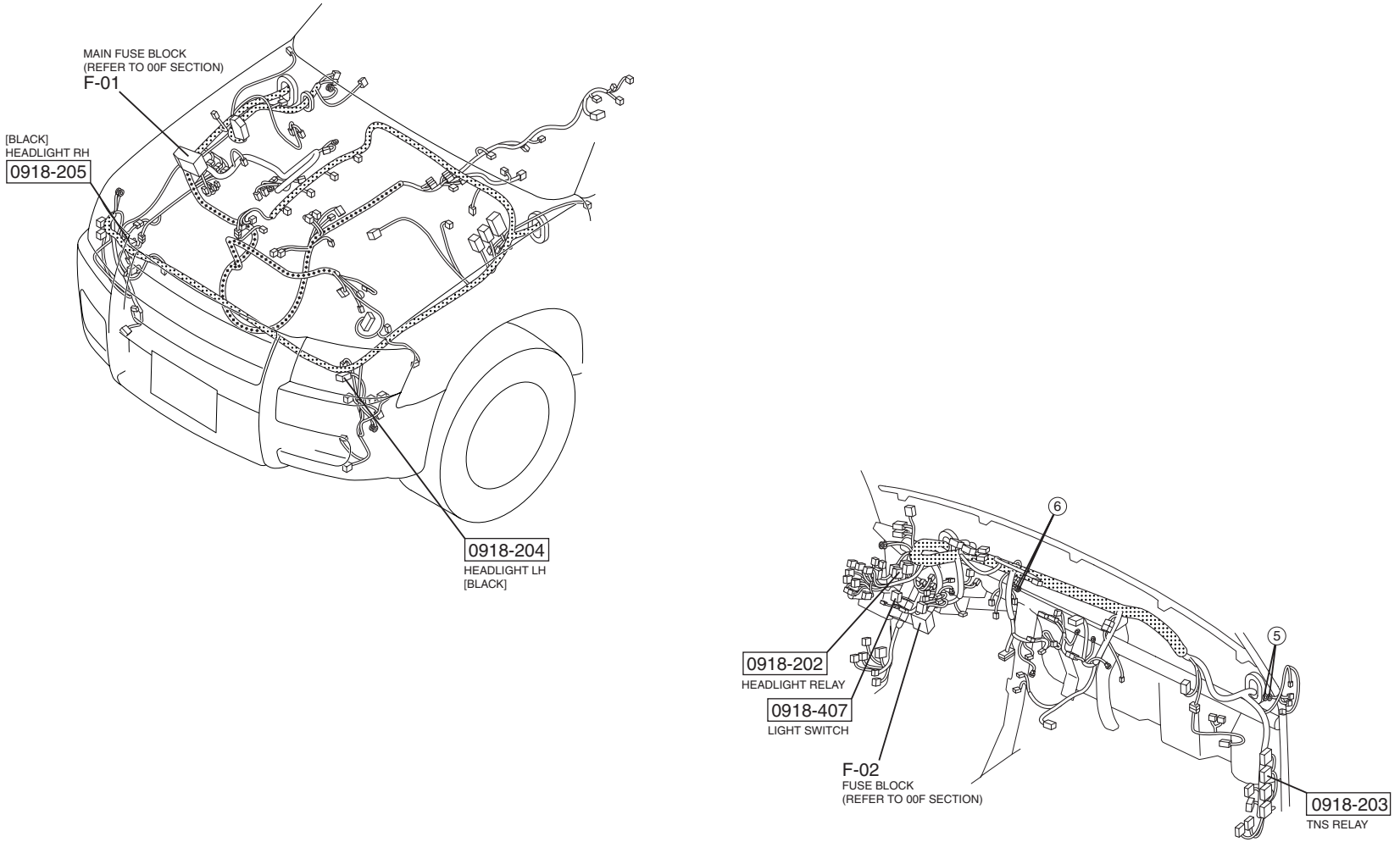


0918-407 LIGHT SWITCH(F)

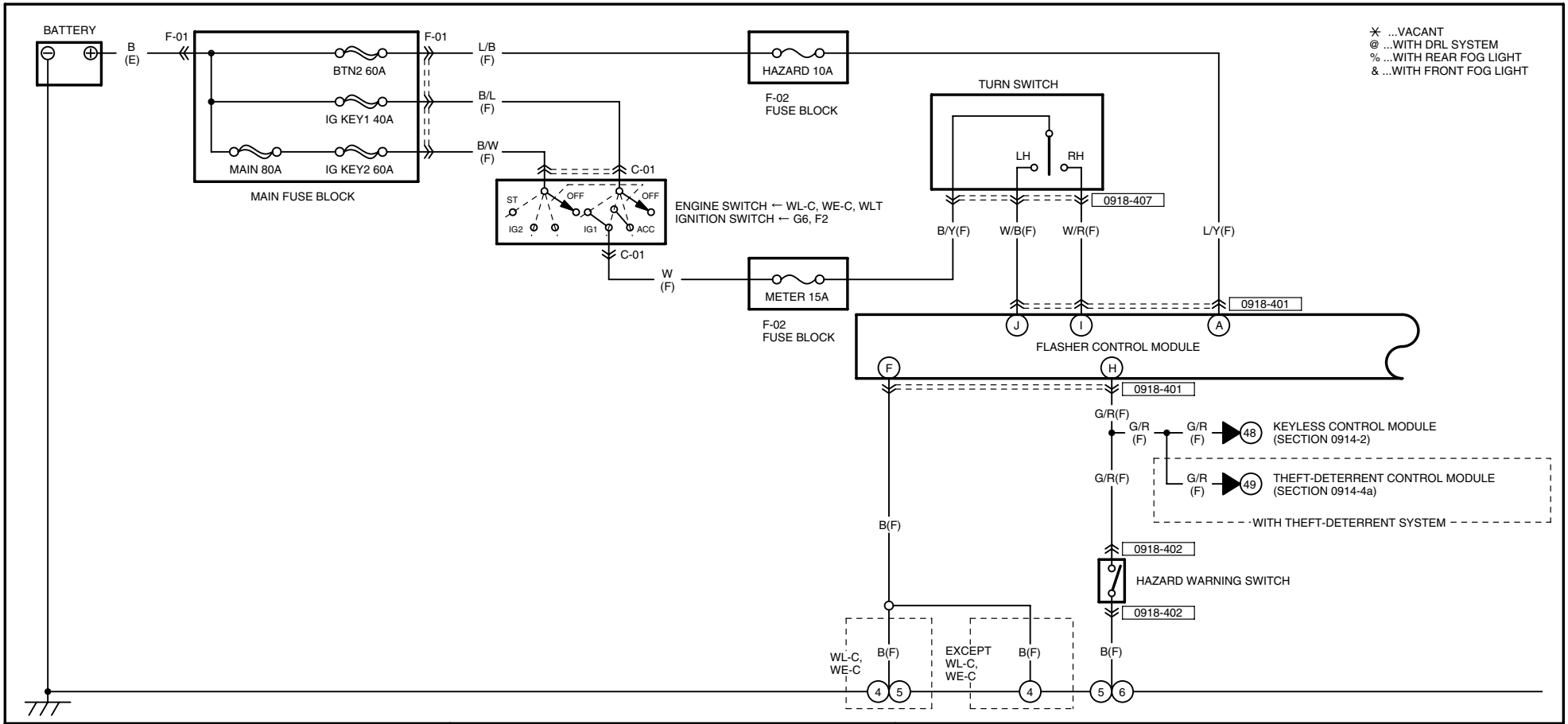


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HARNESS SYMBOL: (F) (E) (R)



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0918-401 FLASHER CONTROL MODULE(F)

I	G			A
W/R	G/W			L/Y
W/B	G/R	B	G/B	✳
J	H	F	D	B

0918-402 HAZARD WARNING SWITCH(F)

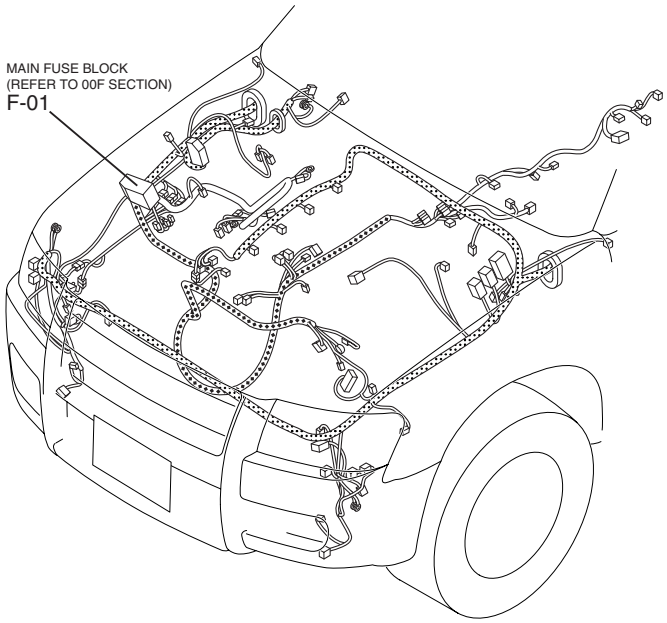
R/B	R/G	B	G/R

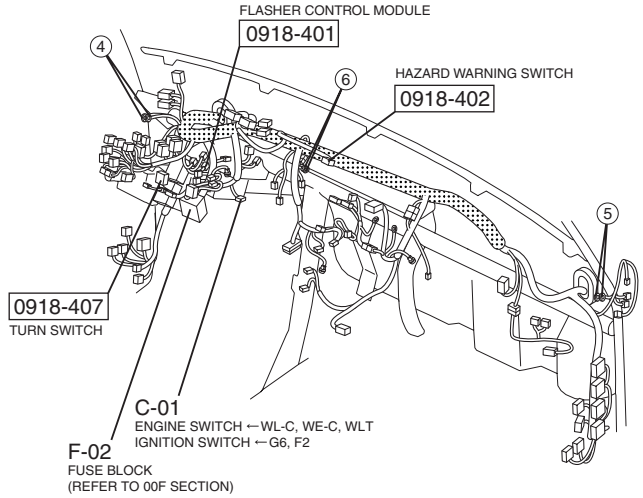
0918-407 TURN SWITCH(F)

Q								
R/Y @W	R/G	✳	✳	✳		W/R	B/Y	W/B
R/W @Y	B	✳	BR	R/Y %LG/B	✳	✳ &L/Y	✳ %GY/B	✳
				J				

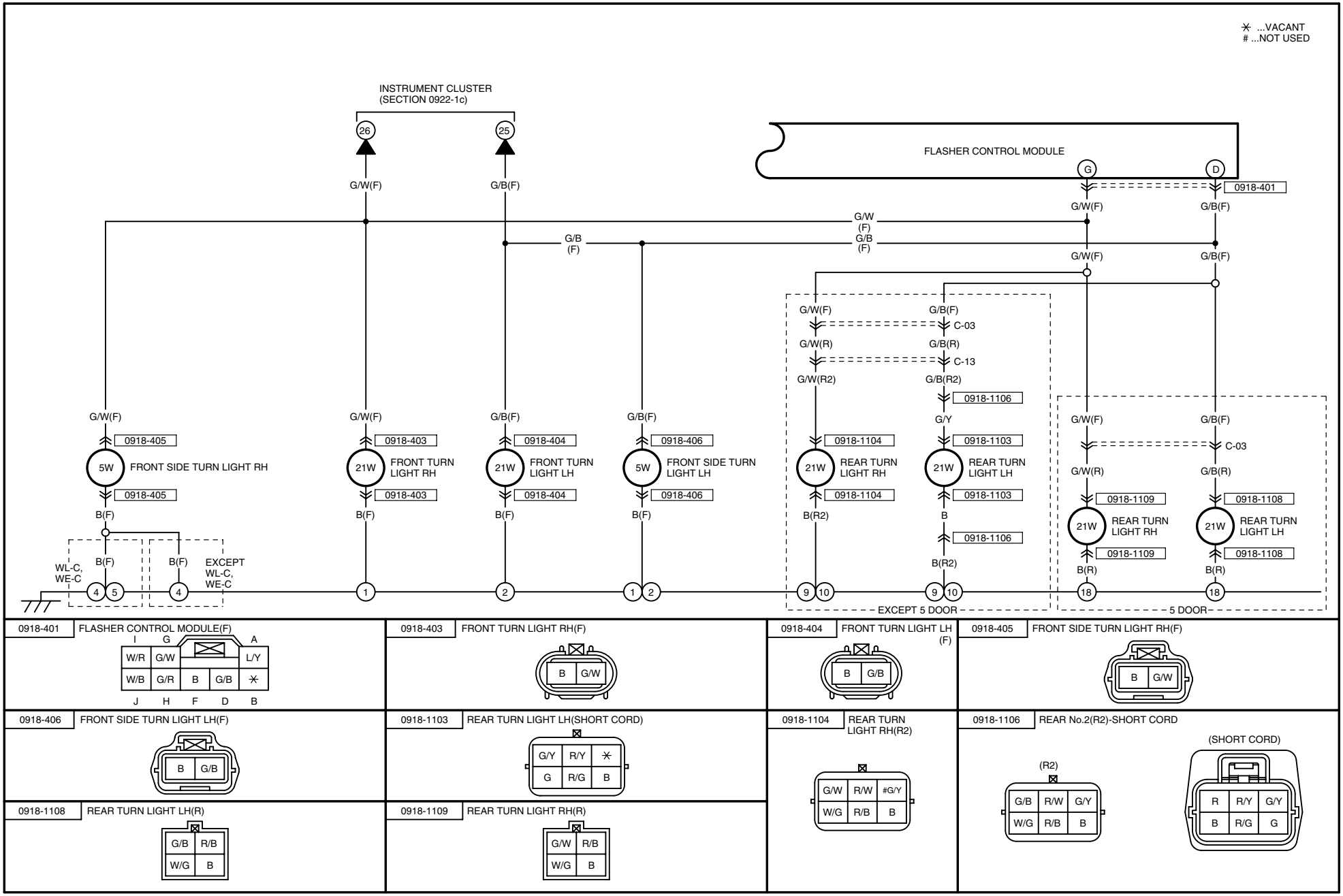
www.truck-freeworkshop.com

HARNESS SYMBOL: (F) (E) (R)



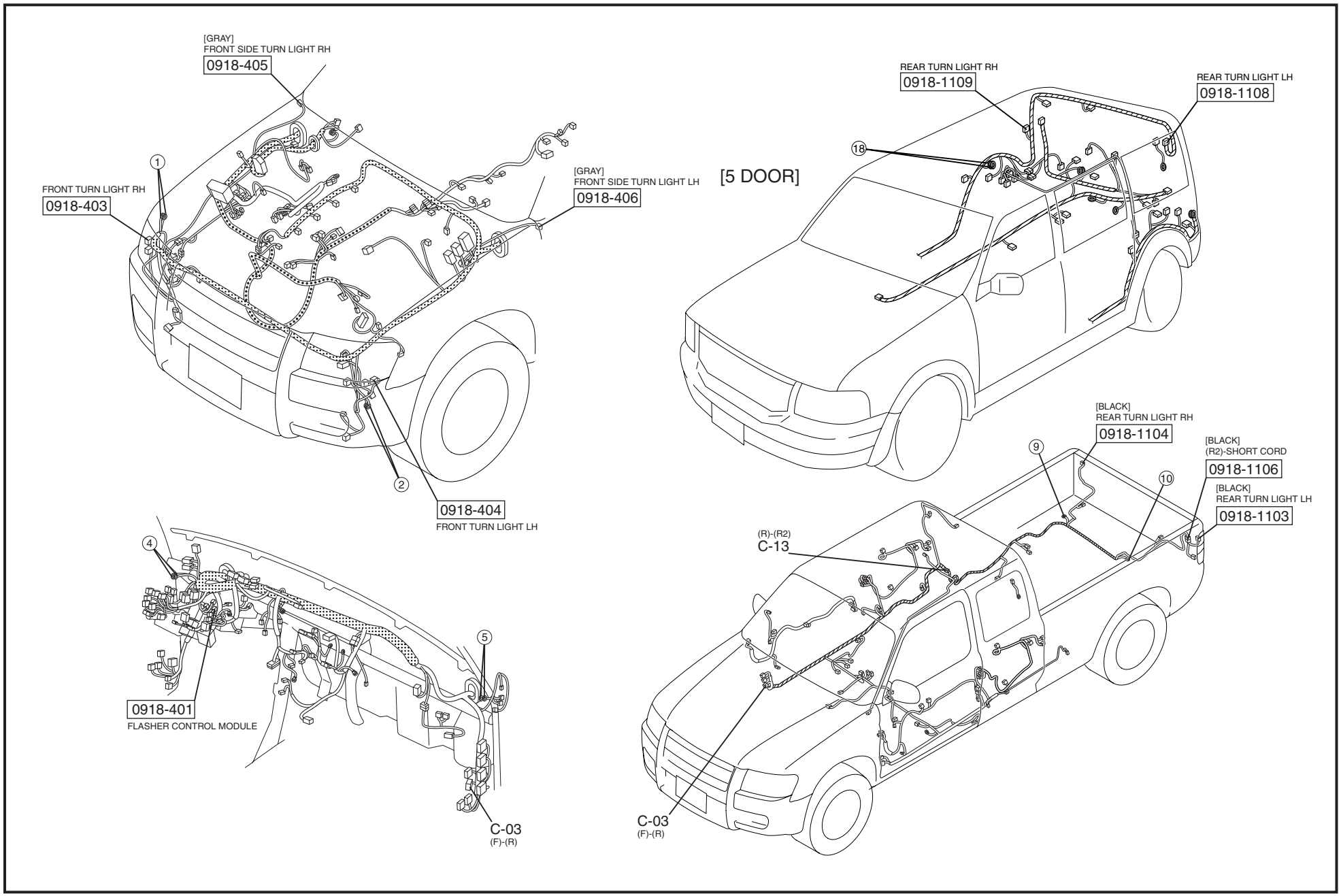


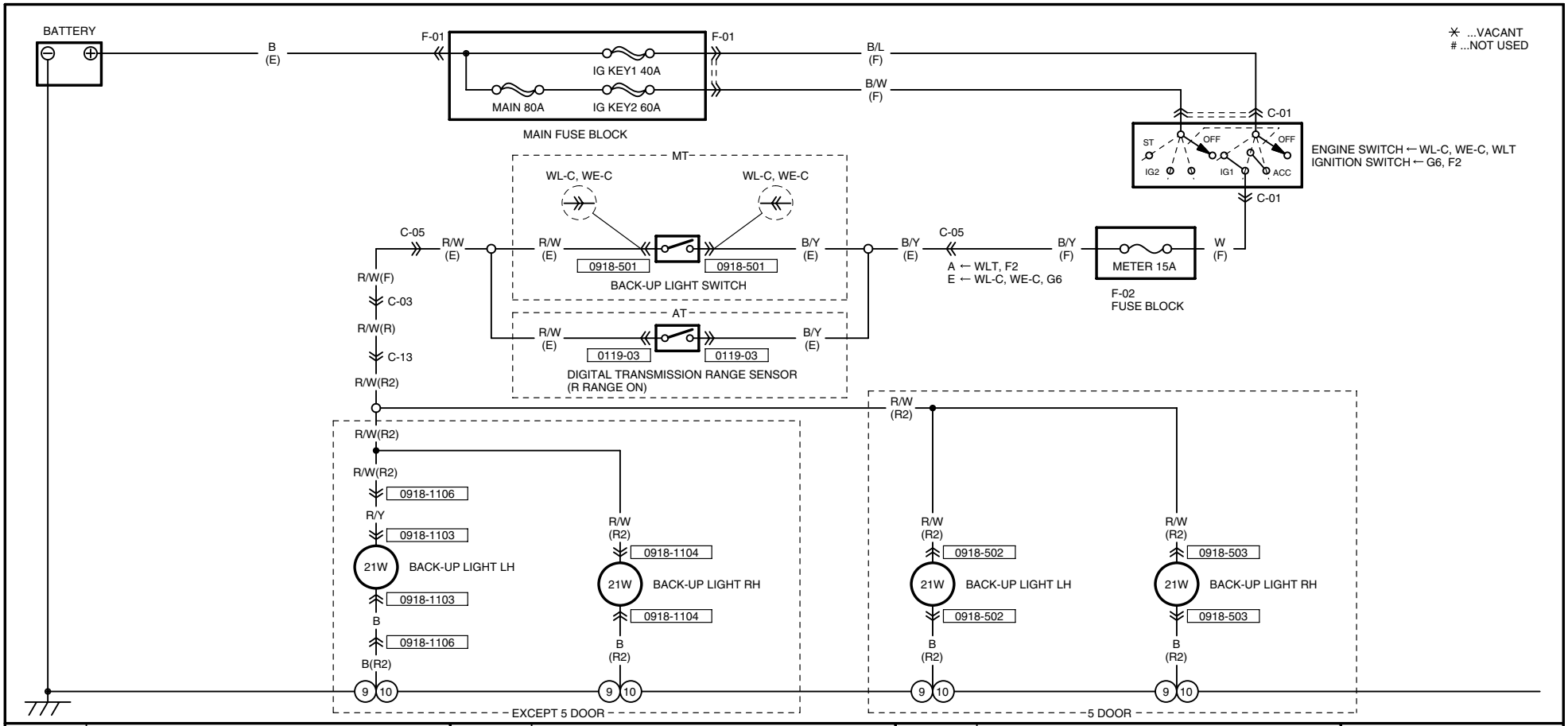
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HARNESS SYMBOL: (F) (E) (R)





0918-501 BACK-UP LIGHT SWITCH(E)

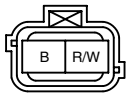
EXCEPT WL-C, WE-C



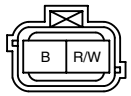
WL-C, WE-C



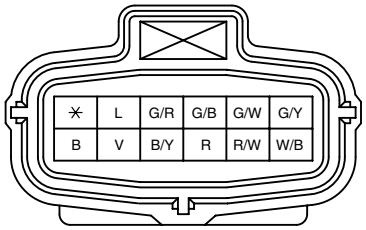
0918-502 BACK-UP LIGHT LH(R2)



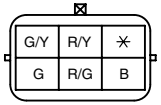
0918-503 BACK-UP LIGHT RH(R2)



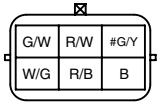
0119-03 DIGITAL TRANSMISSION RANGE SENSOR(E)



0918-1103 BACK-UP LIGHT LH(SHORT CORD)

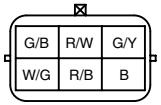


0918-1104 BACK-UP LIGHT RH(R2)



0918-1106 REAR No.2(R2)-SHORT CORD

(R2)

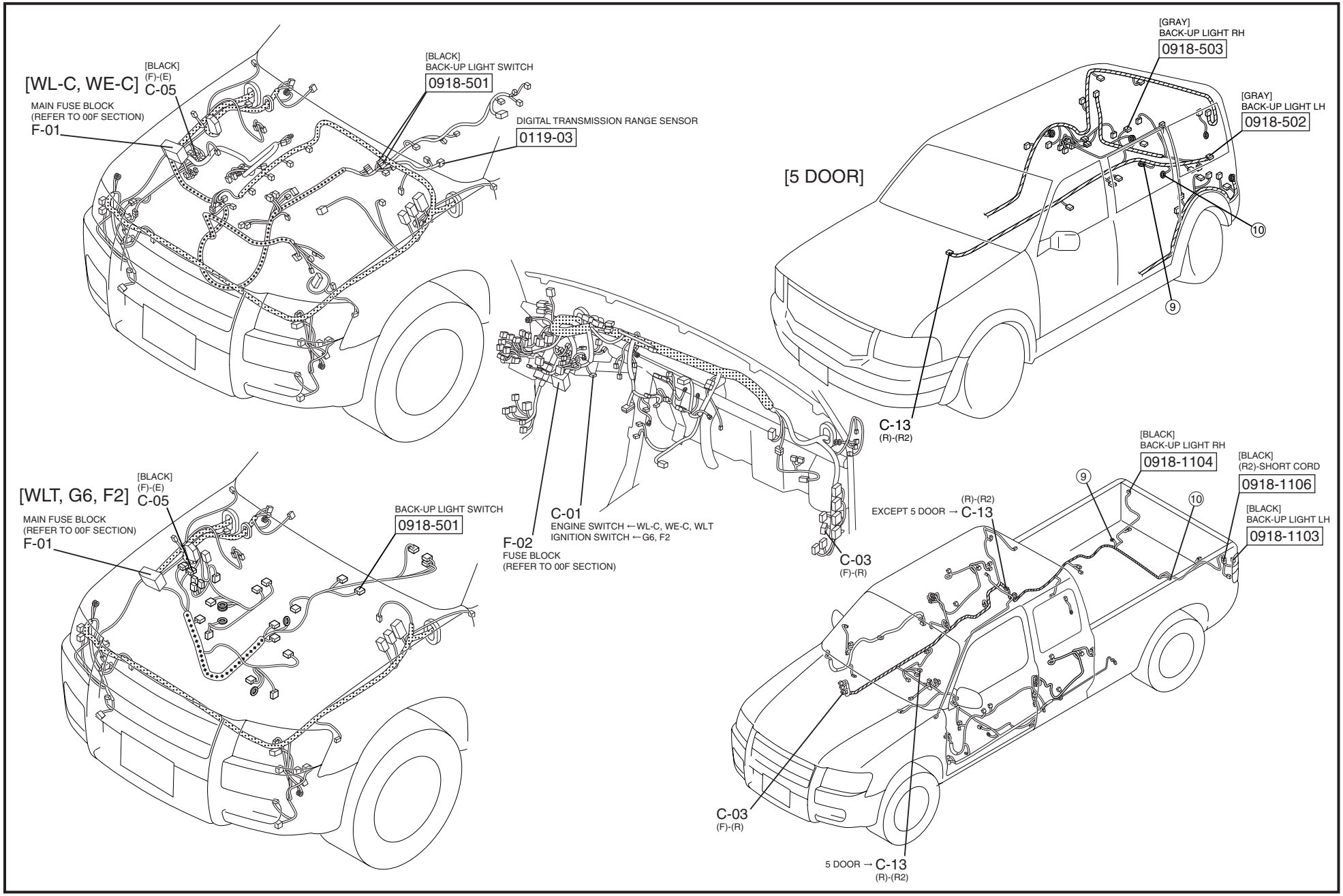


(SHORT CORD)

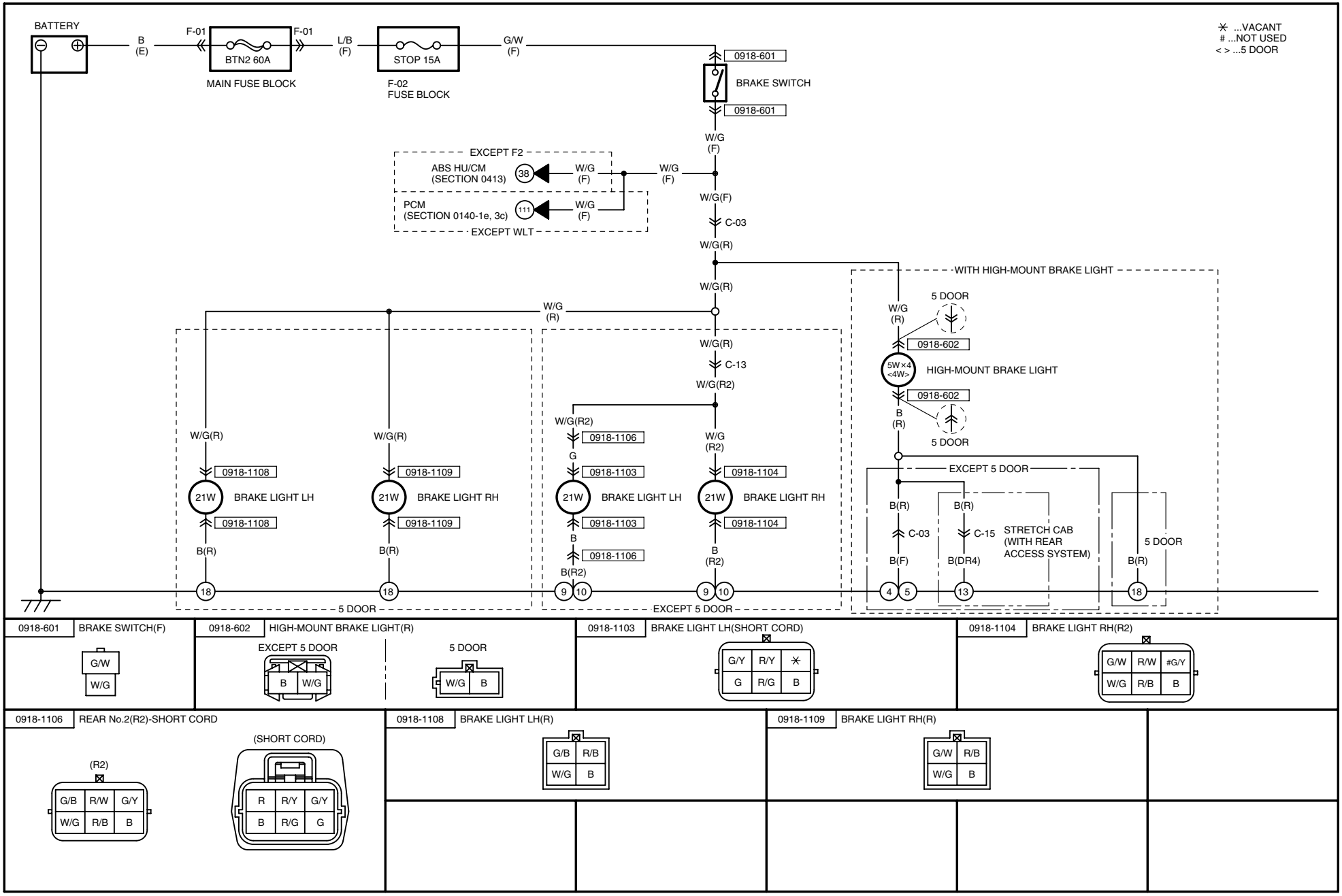


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HARNESS SYMBOL: (F) (E) (R)



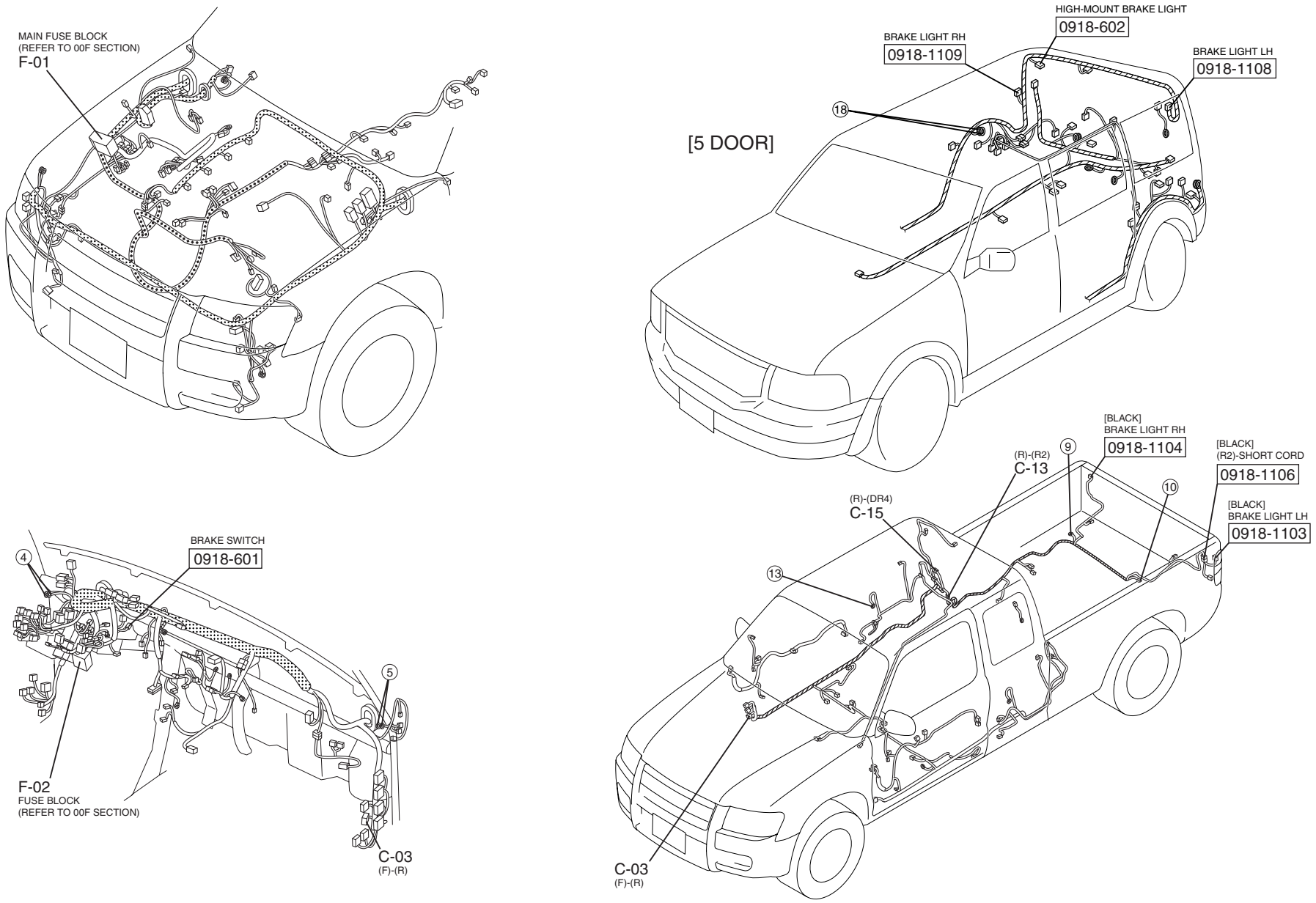
www.truck-freeworkshop.com



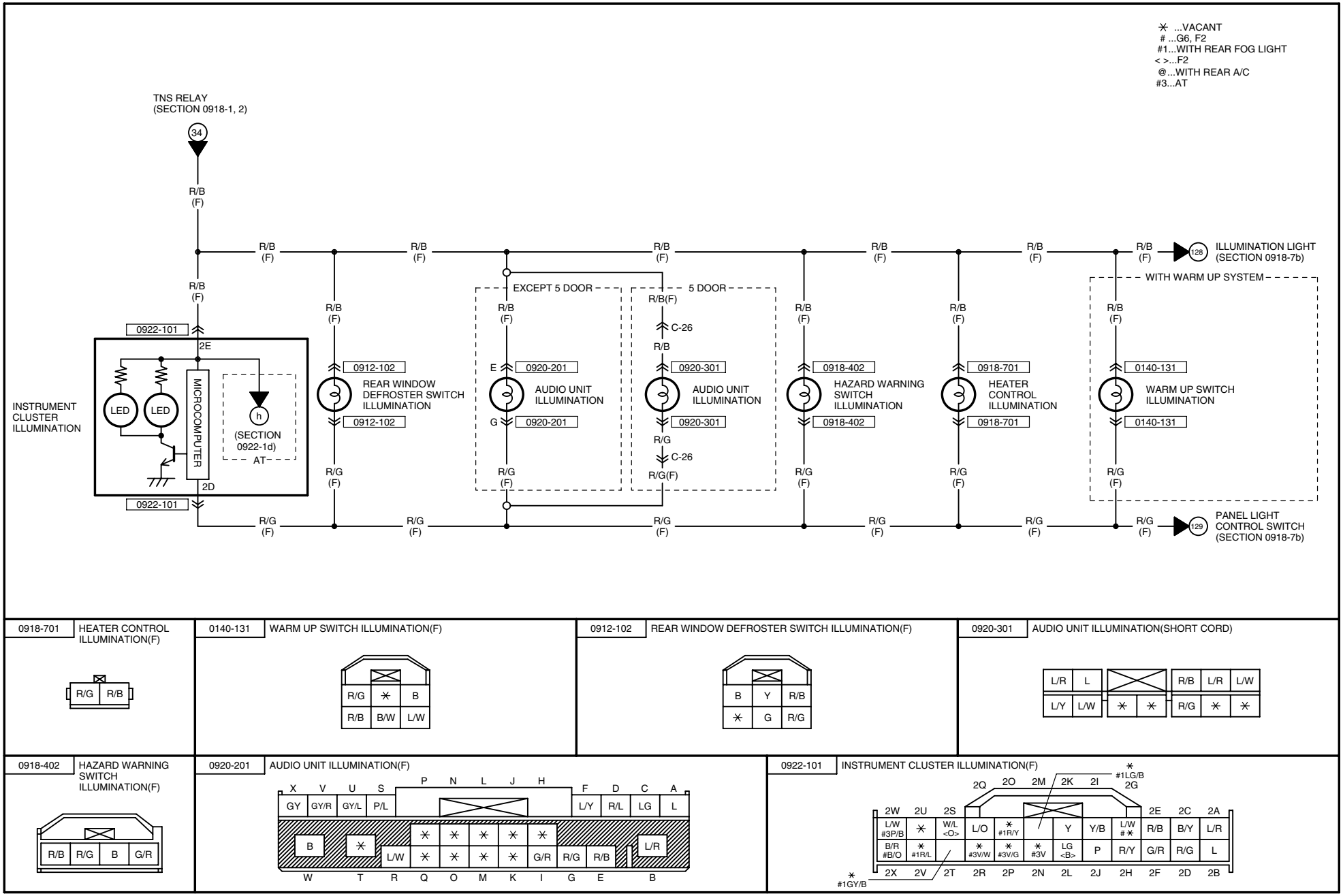
0918-601 BRAKE SWITCH(F) G/W W/G	0918-602 HIGH-MOUNT BRAKE LIGHT(R) EXCEPT 5 DOOR: B | W/G 5 DOOR: W/G | B	0918-1103 BRAKE LIGHT LH(SHORT CORD) G/Y | R/Y | * G | R/G | B	0918-1104 BRAKE LIGHT RH(R2) G/W | R/W | #G/Y W/G | R/B | B
0918-1106 REAR No.2(R2)-SHORT CORD (R2): G/B | R/W | G/Y; W/G | R/B | B (SHORT CORD): R | R/Y | G/Y; B | R/G | G	0918-1108 BRAKE LIGHT LH(R) G/B | R/B W/G | B	0918-1109 BRAKE LIGHT RH(R) G/W | R/B W/G | B	

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HARNESS SYMBOL: (F) (E) (R)



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0918-701 HEATER CONTROL ILLUMINATION(F)

0140-131 WARM UP SWITCH ILLUMINATION(F)

0912-102 REAR WINDOW DEFROSTER SWITCH ILLUMINATION(F)

0920-301 AUDIO UNIT ILLUMINATION(SHORT CORD)

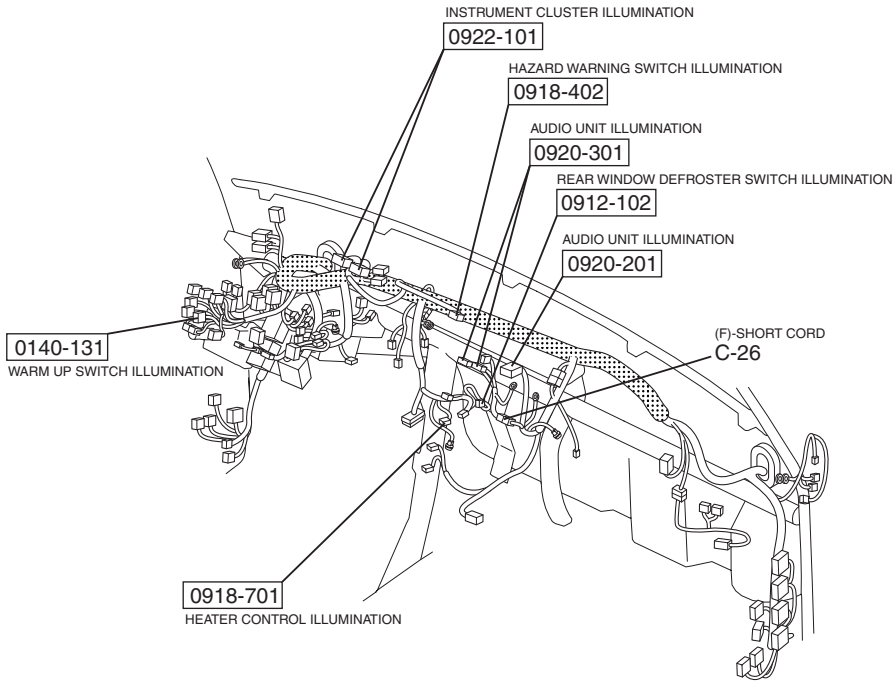
0918-402 HAZARD WARNING SWITCH ILLUMINATION(F)

0920-201 AUDIO UNIT ILLUMINATION(F)

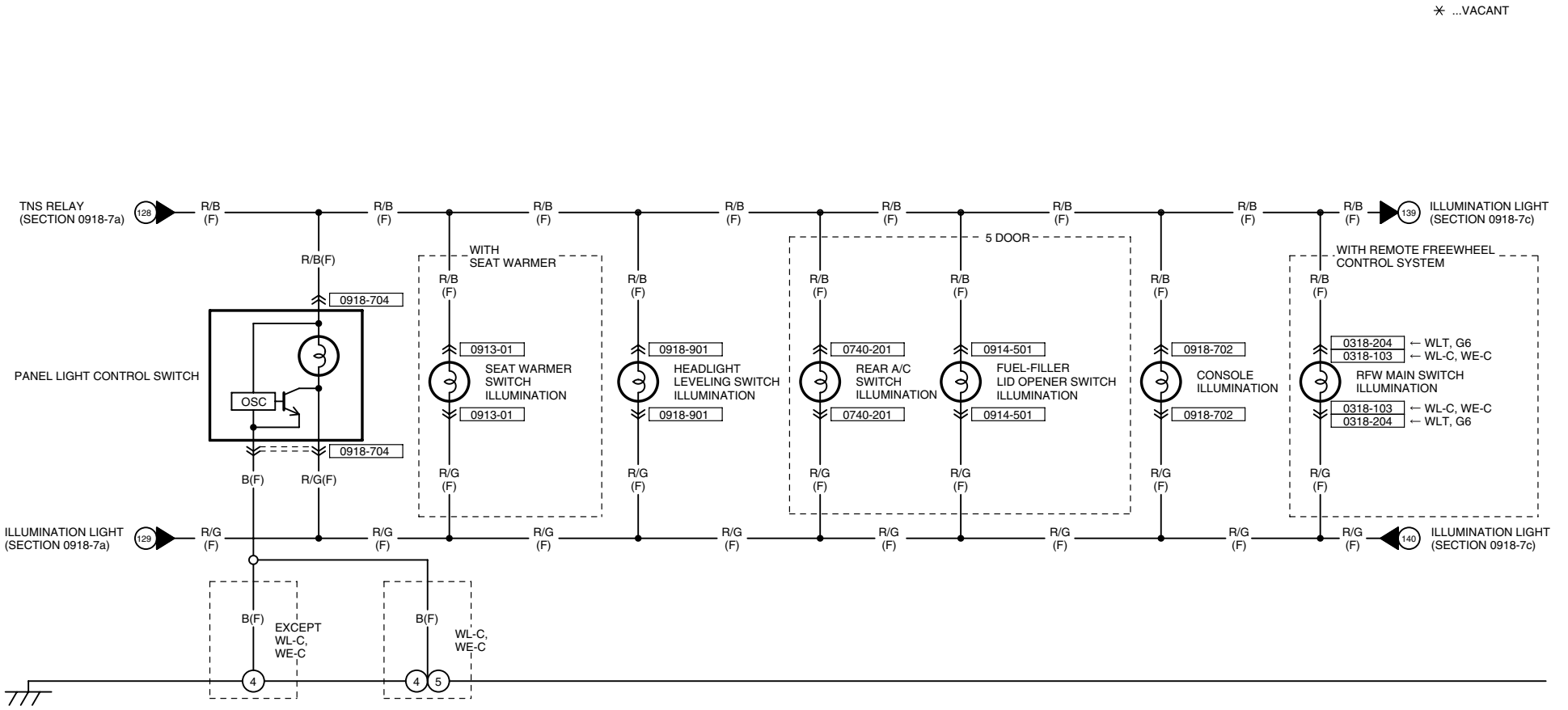
0922-101 INSTRUMENT CLUSTER ILLUMINATION(F)

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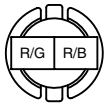
HARNESS SYMBOL: (F) (E) (R)



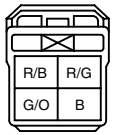
www.truck-freeworkshop.com



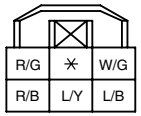
0918-702 CONSOLE ILLUMINATION(F)



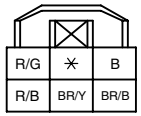
0318-103 ← WL-C, WE-C
0318-204 ← WLT, G6
RFW MAIN SWITCH ILLUMINATION(F)



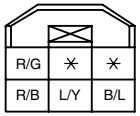
0740-201 REAR A/C SWITCH ILLUMINATION(F)



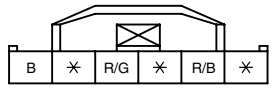
0913-01 SEAT WARMER SWITCH ILLUMINATION(F)



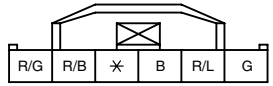
0914-501 FUEL-FILLER LID OPENER SWITCH ILLUMINATION(F)



0918-704 PANEL LIGHT CONTROL SWITCH(F)

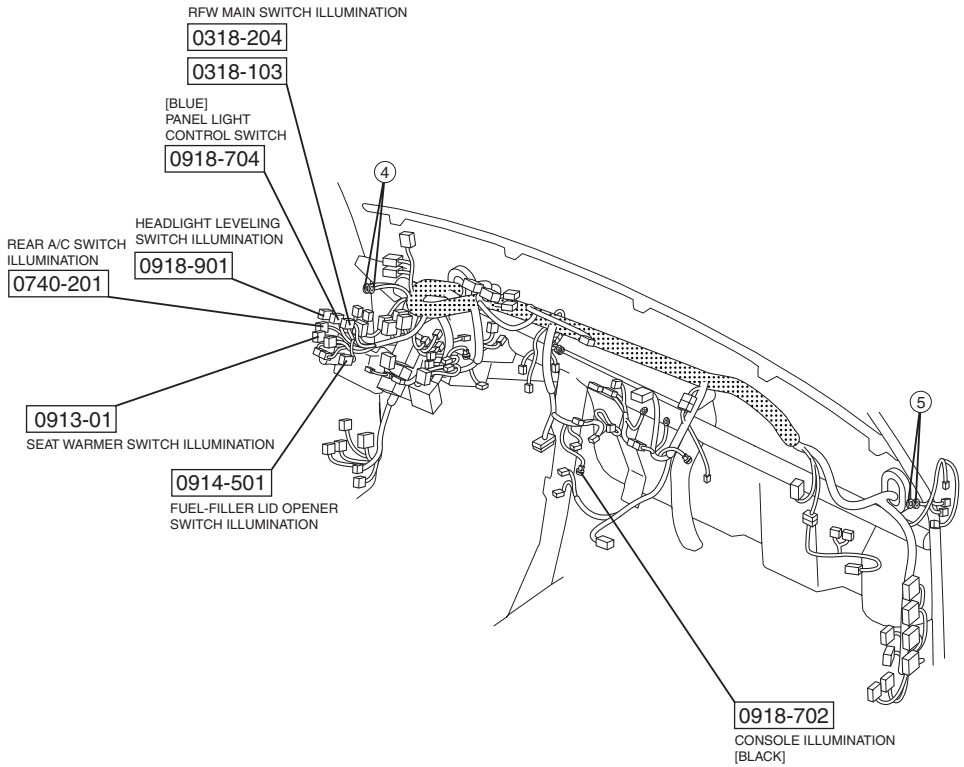


0918-901 HEADLIGHT LEVELING SWITCH ILLUMINATION(F)

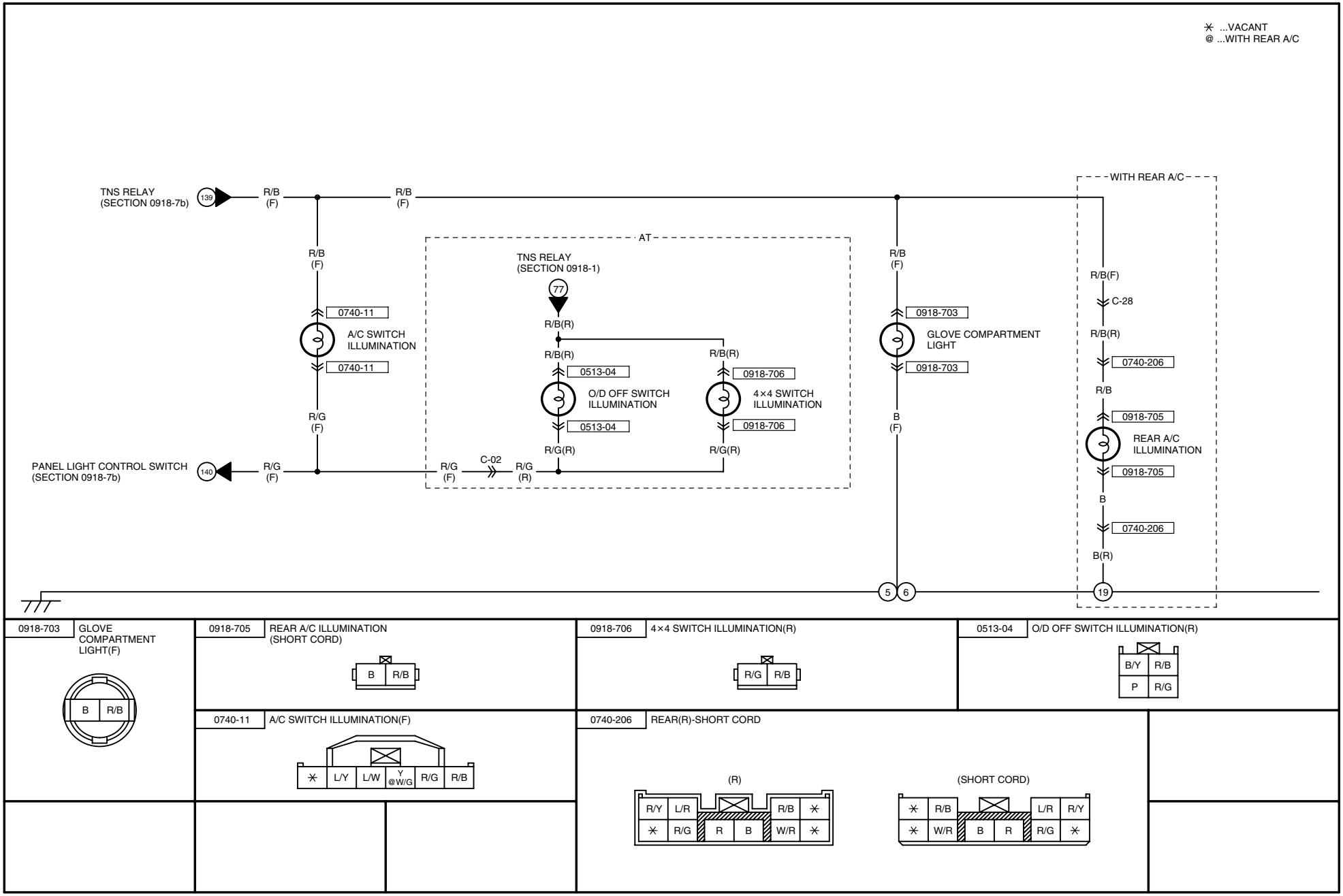


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HARNESS SYMBOL: (F) (E) (R)

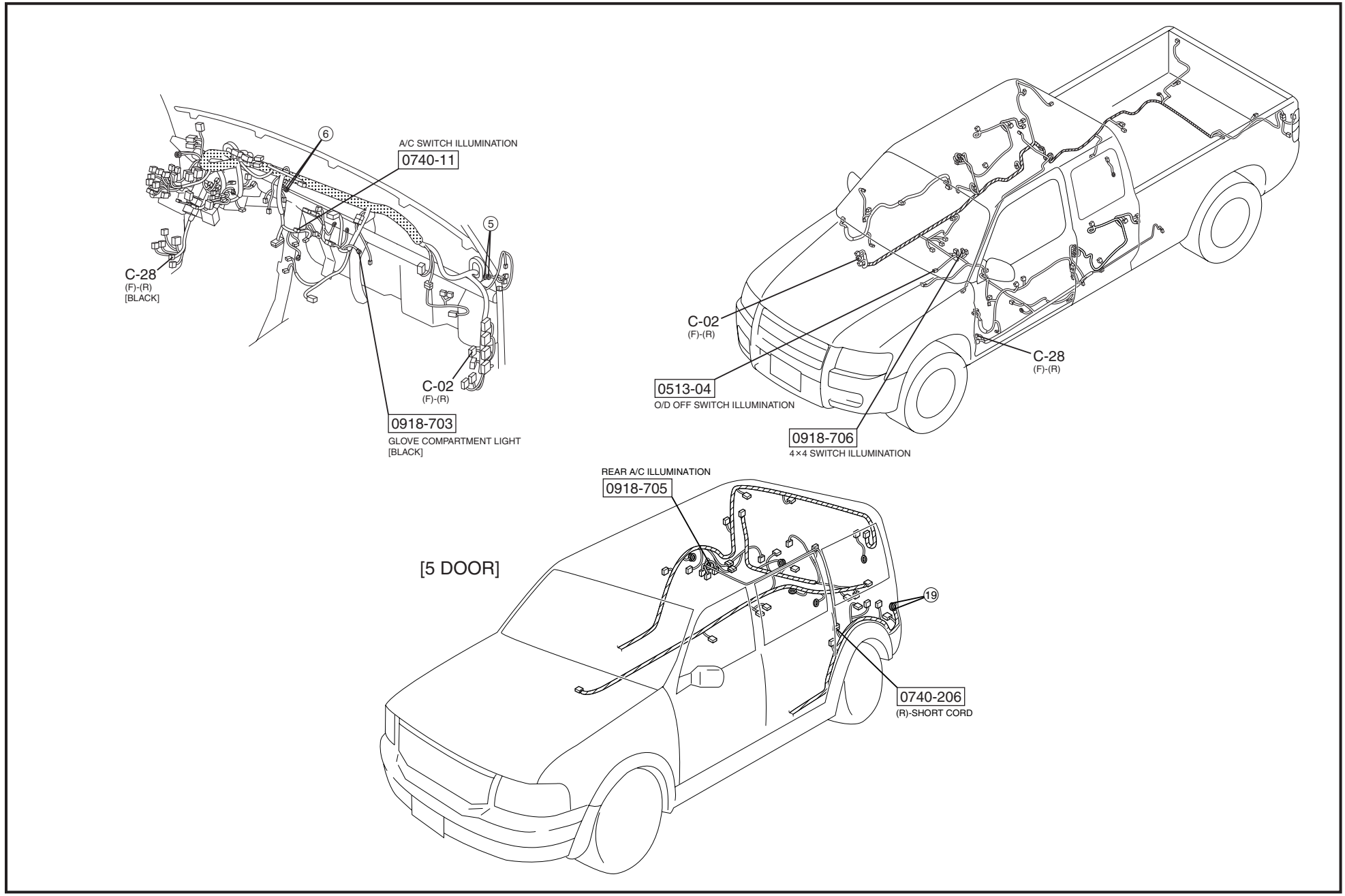


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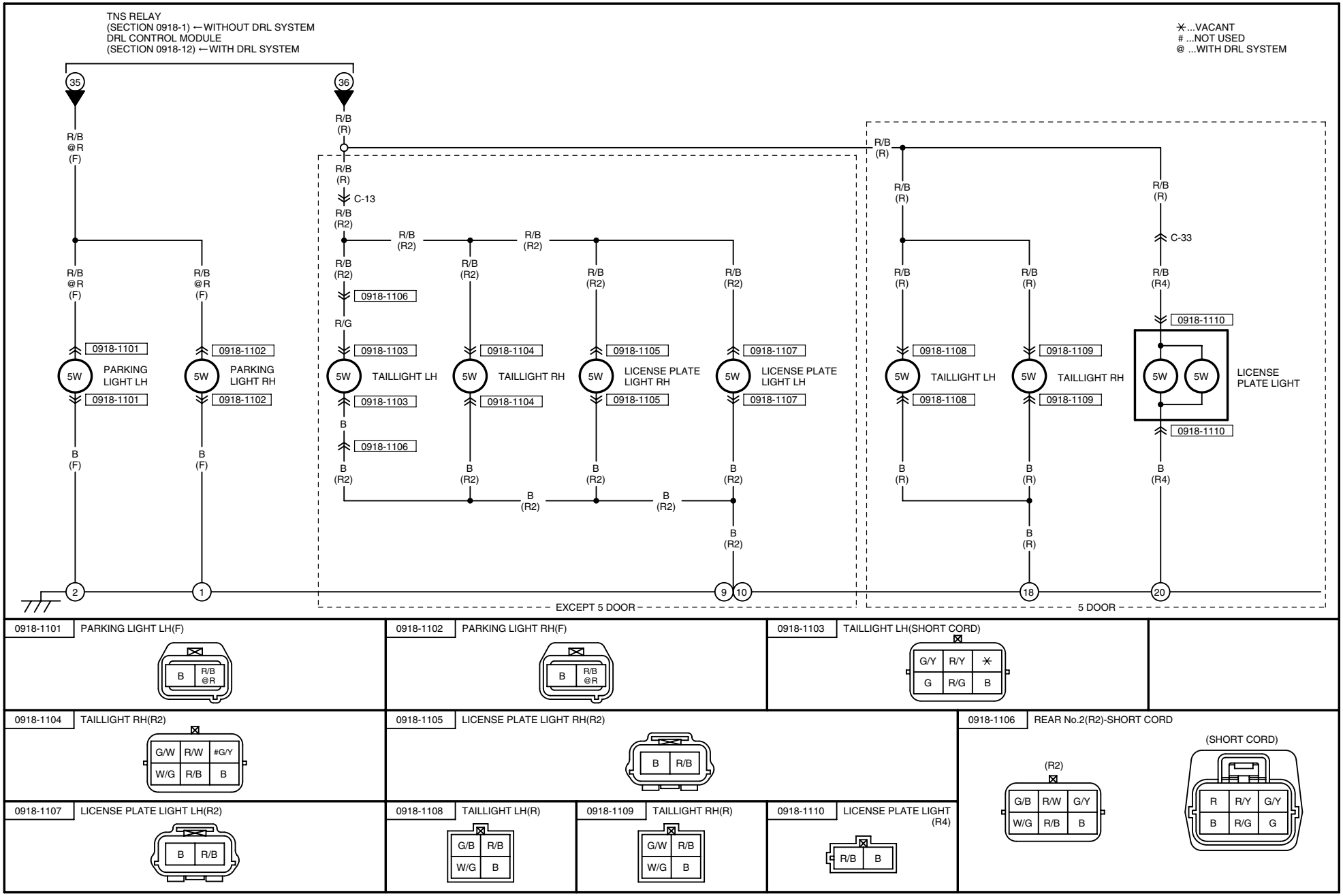
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HARNESS SYMBOL: (F) (E) (R)



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LICENSE PLATE LIGHT / PARKING LIGHT / TAILLIGHT



0918-1101 PARKING LIGHT LH(F)

0918-1102 PARKING LIGHT RH(F)

0918-1103 TAILLIGHT LH(SHORT CORD)

0918-1104 TAILLIGHT RH(R2)

0918-1105 LICENSE PLATE LIGHT RH(R2)

0918-1106 REAR No.2(R2)-SHORT CORD

(R2)

(SHORT CORD)

0918-1107 LICENSE PLATE LIGHT LH(R2)

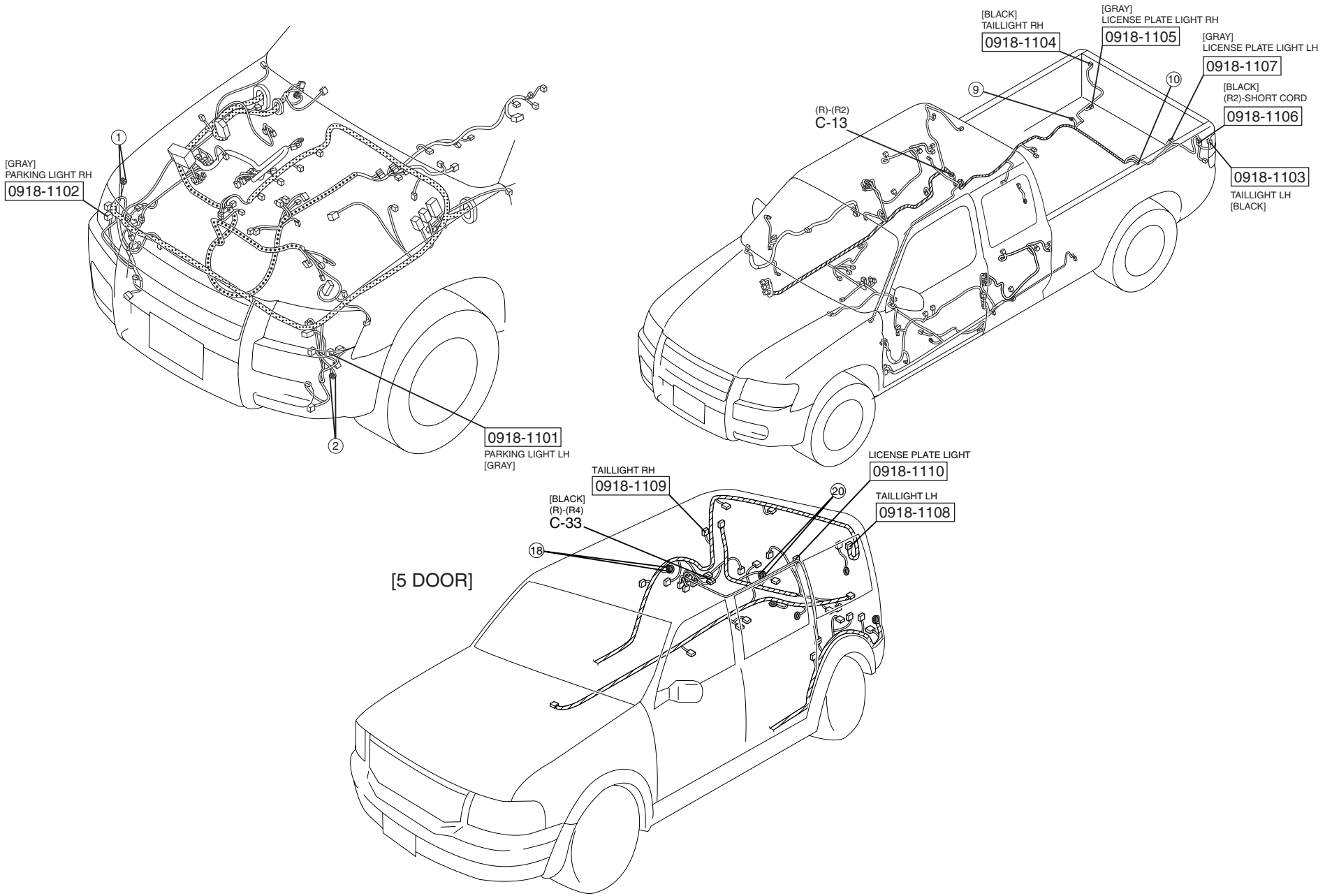
0918-1108 TAILLIGHT LH(R)

0918-1109 TAILLIGHT RH(R)

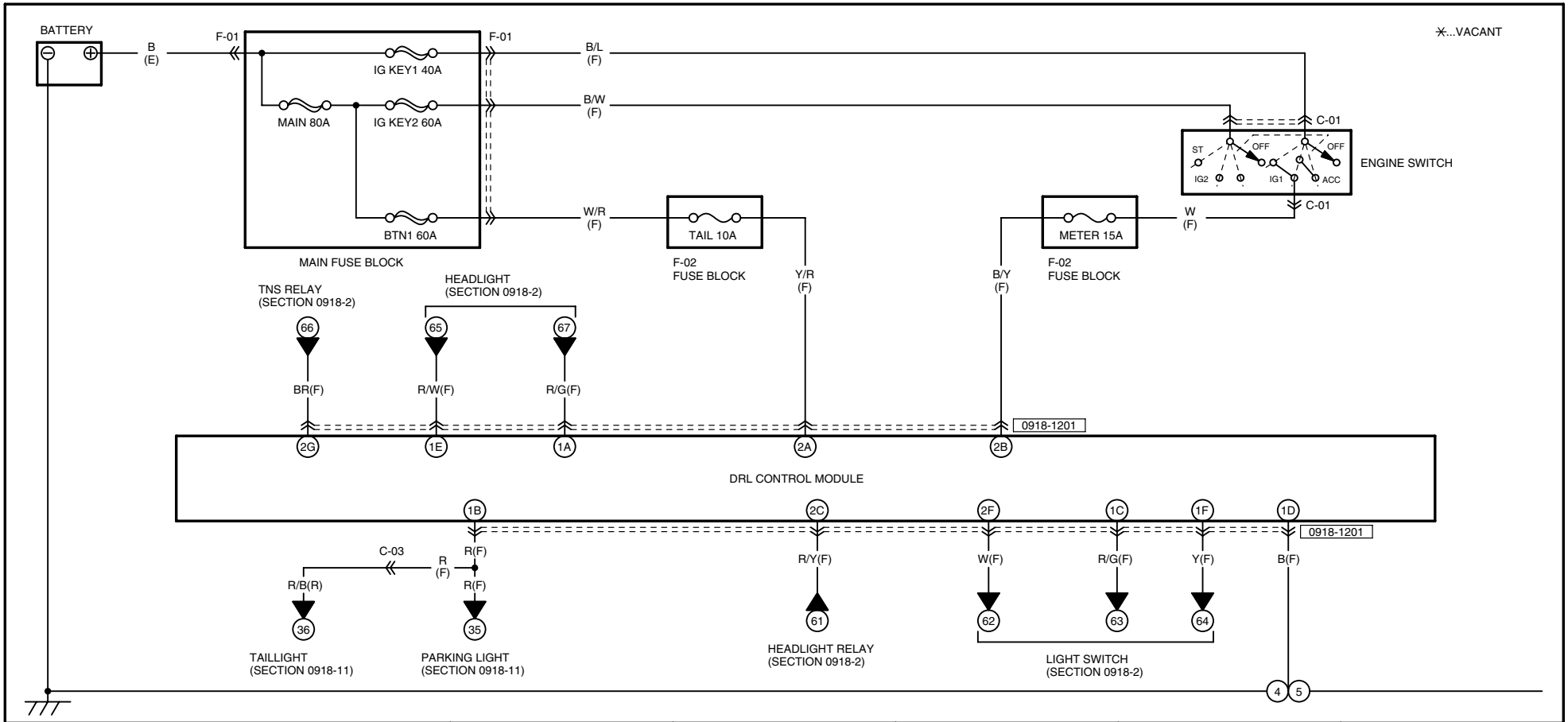
0918-1110 LICENSE PLATE LIGHT (R4)

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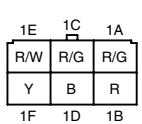
HARNESS SYMBOL: (F) (E) (R)

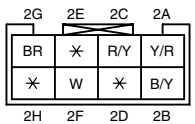


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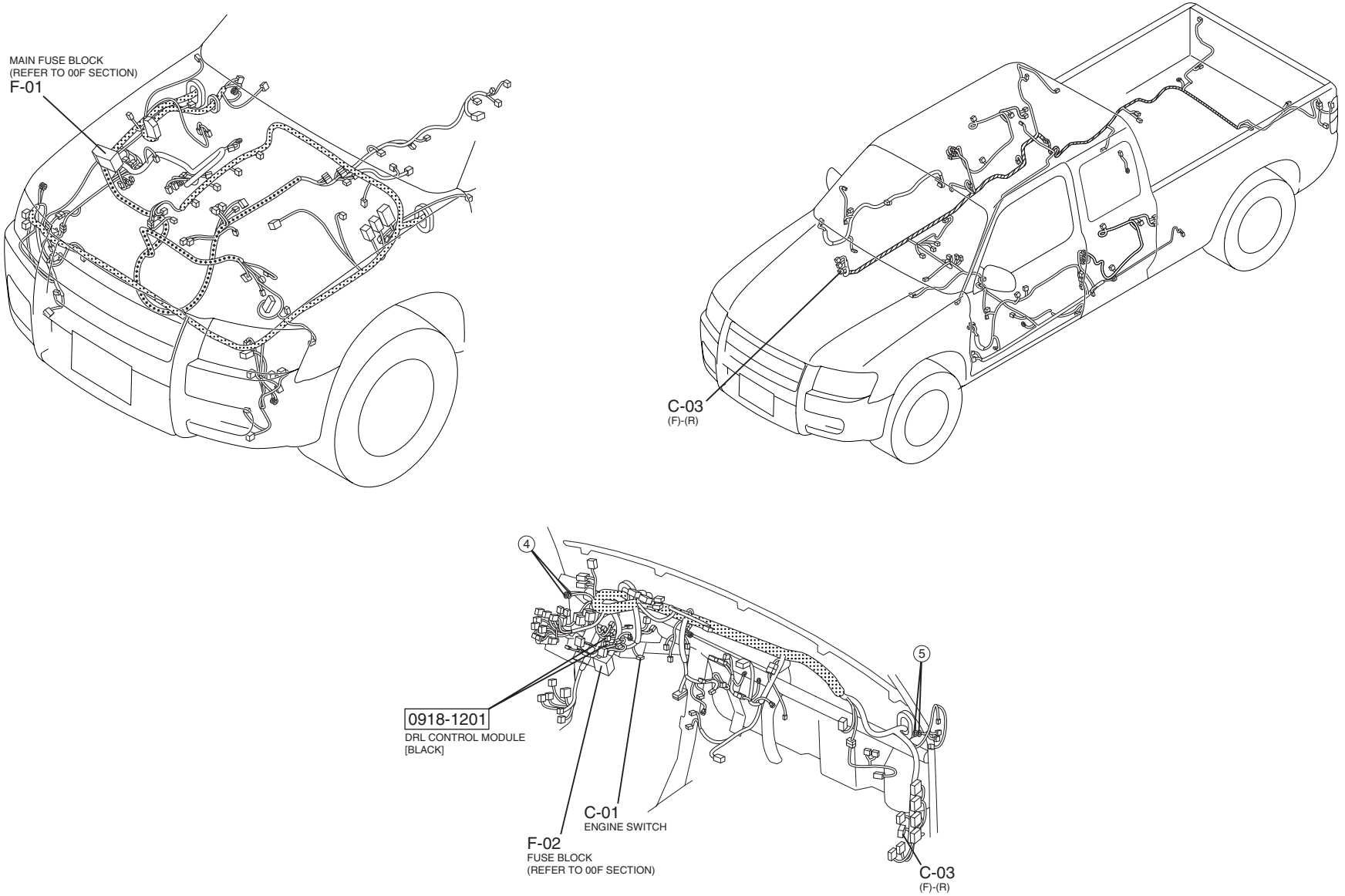
0918-1201 DRL CONTROL MODULE(F)



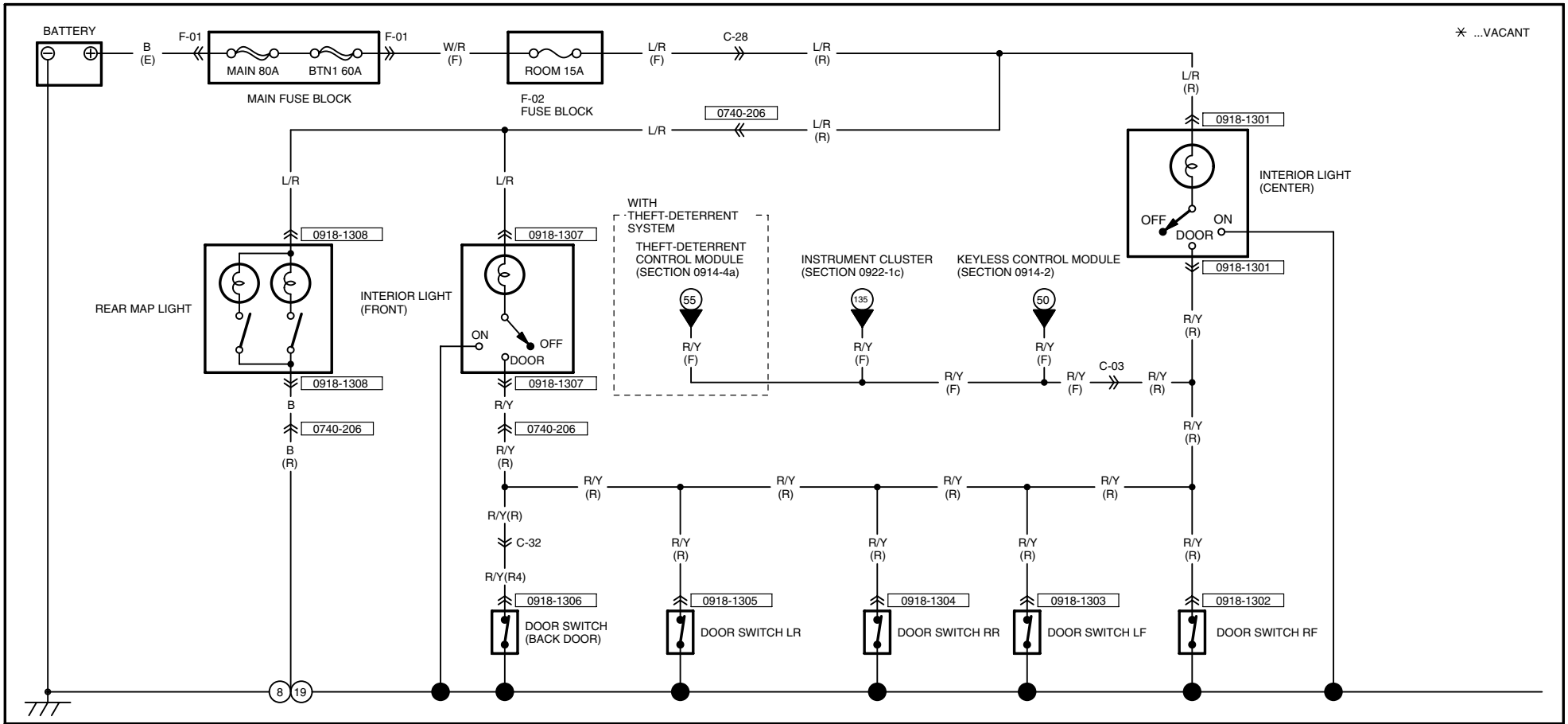


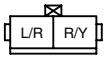
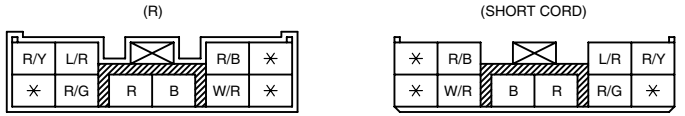
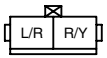
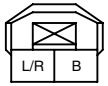
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HARNESS SYMBOL: (F) (E) (R)



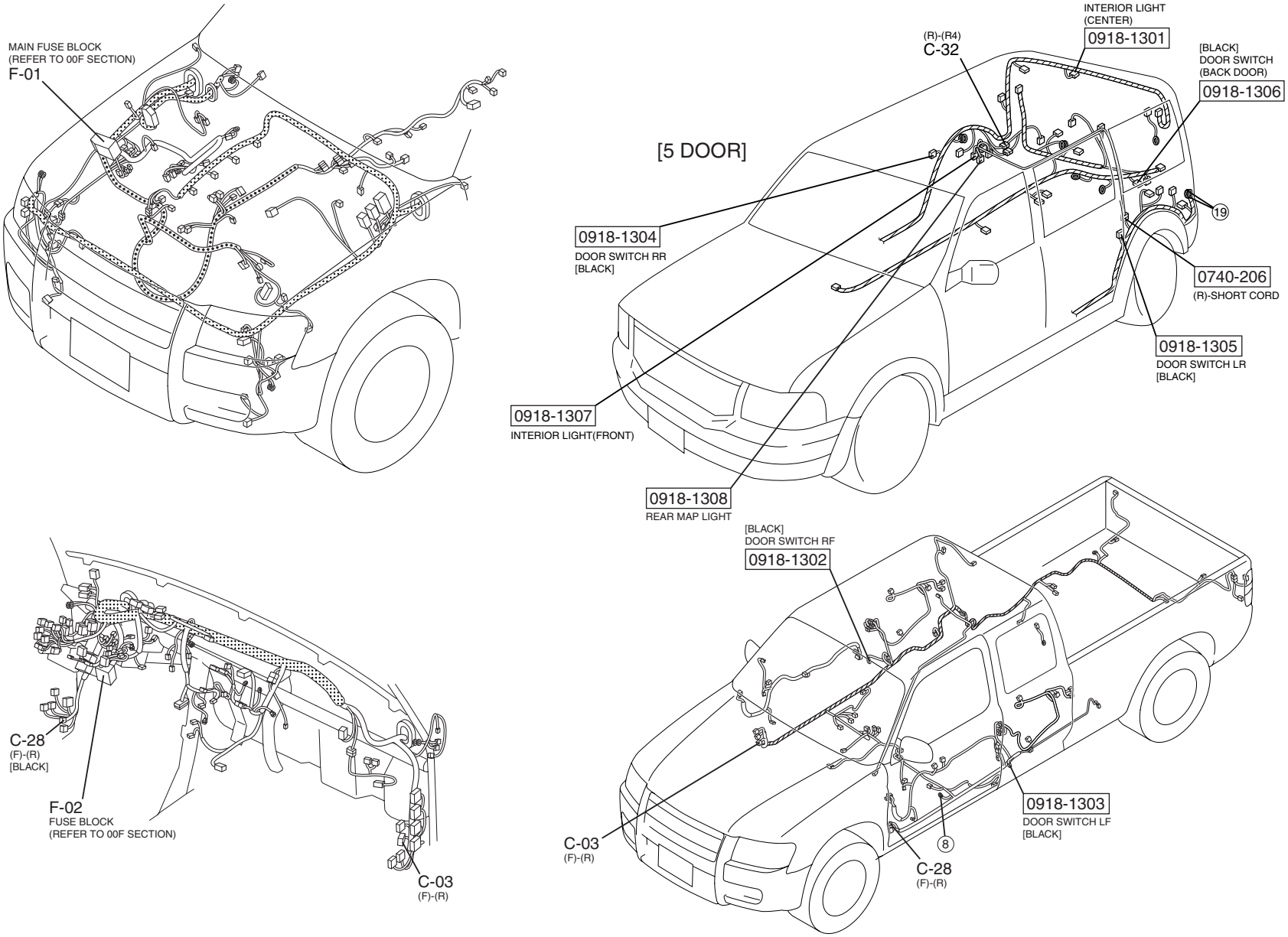
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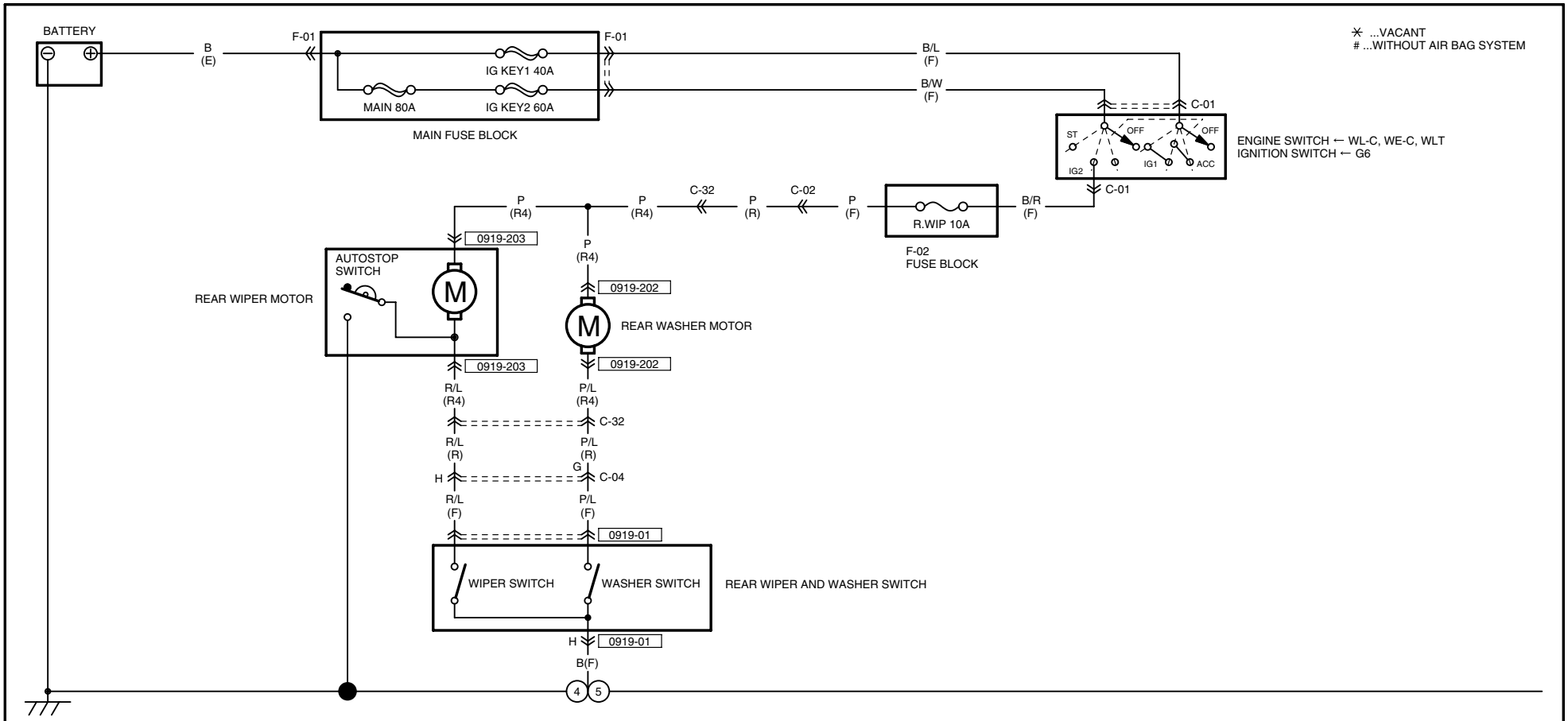
0918-1301 INTERIOR LIGHT(CENTER)(R) 	0918-1302 DOOR SWITCH RF(R) 	0918-1303 DOOR SWITCH LF(R) 	0918-1304 DOOR SWITCH RR(R) 
0918-1305 DOOR SWITCH LR(R) 	0918-1306 DOOR SWITCH(BACK DOOR)(R4) 	0740-206 REAR(R)-SHORT CORD 	
0918-1307 INTERIOR LIGHT(FRONT)(SHORT CORD) 	0918-1308 REAR MAP LIGHT(SHORT CORD) 		

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HARNESS SYMBOL: (F) (E) (R)



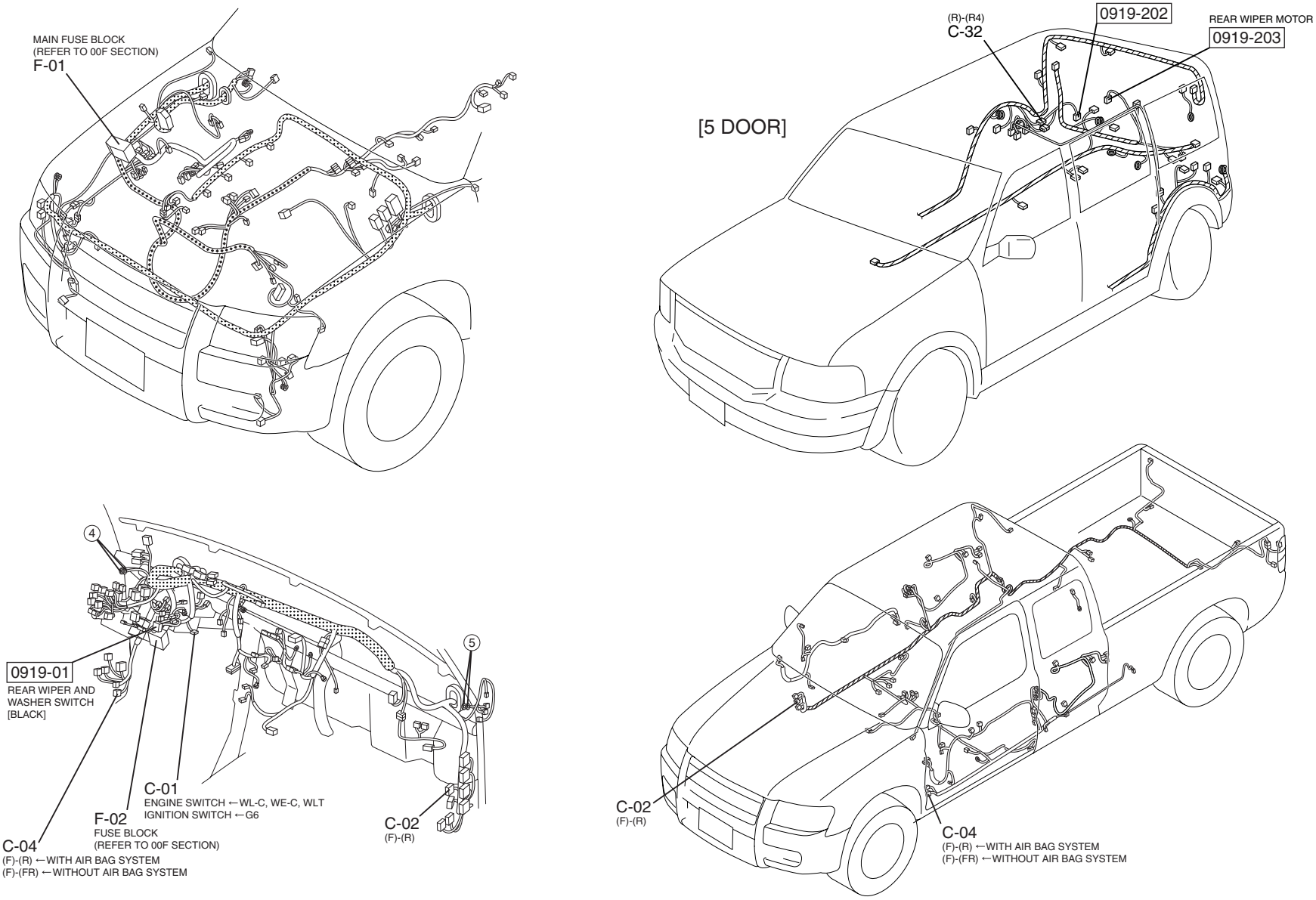
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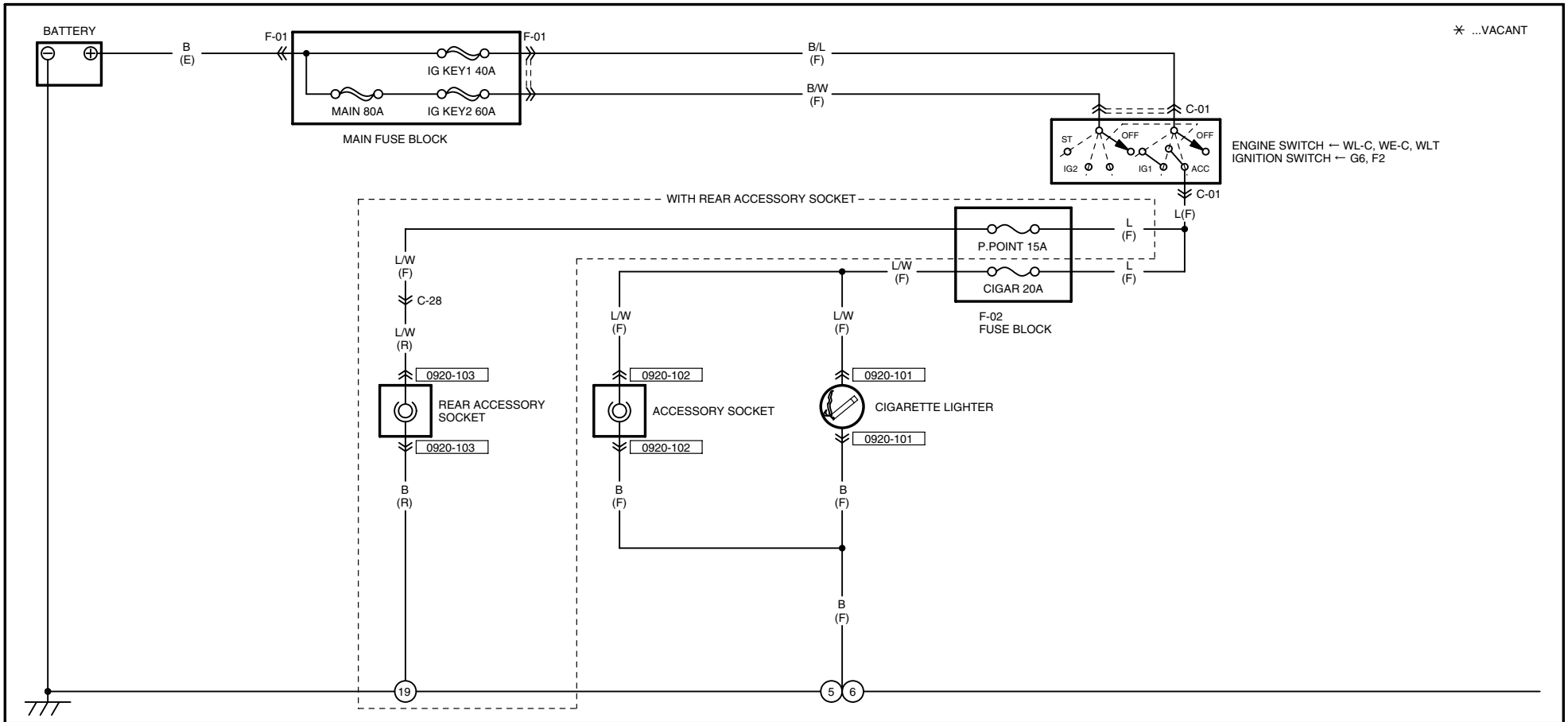
0919-01 REAR WIPER AND WASHER SWITCH(F)	0919-202 REAR WASHER MOTOR(R4)	0919-203 REAR WIPER MOTOR(R4)	
✳ #G/R, L/Y, ✳, L/W, ✳, L/O, ✳ ✳, L, L/B, B, B, R/L, P/L, ✳ J H	P/L P	P, R/L	

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HARNESS SYMBOL: (F) (E) (R)



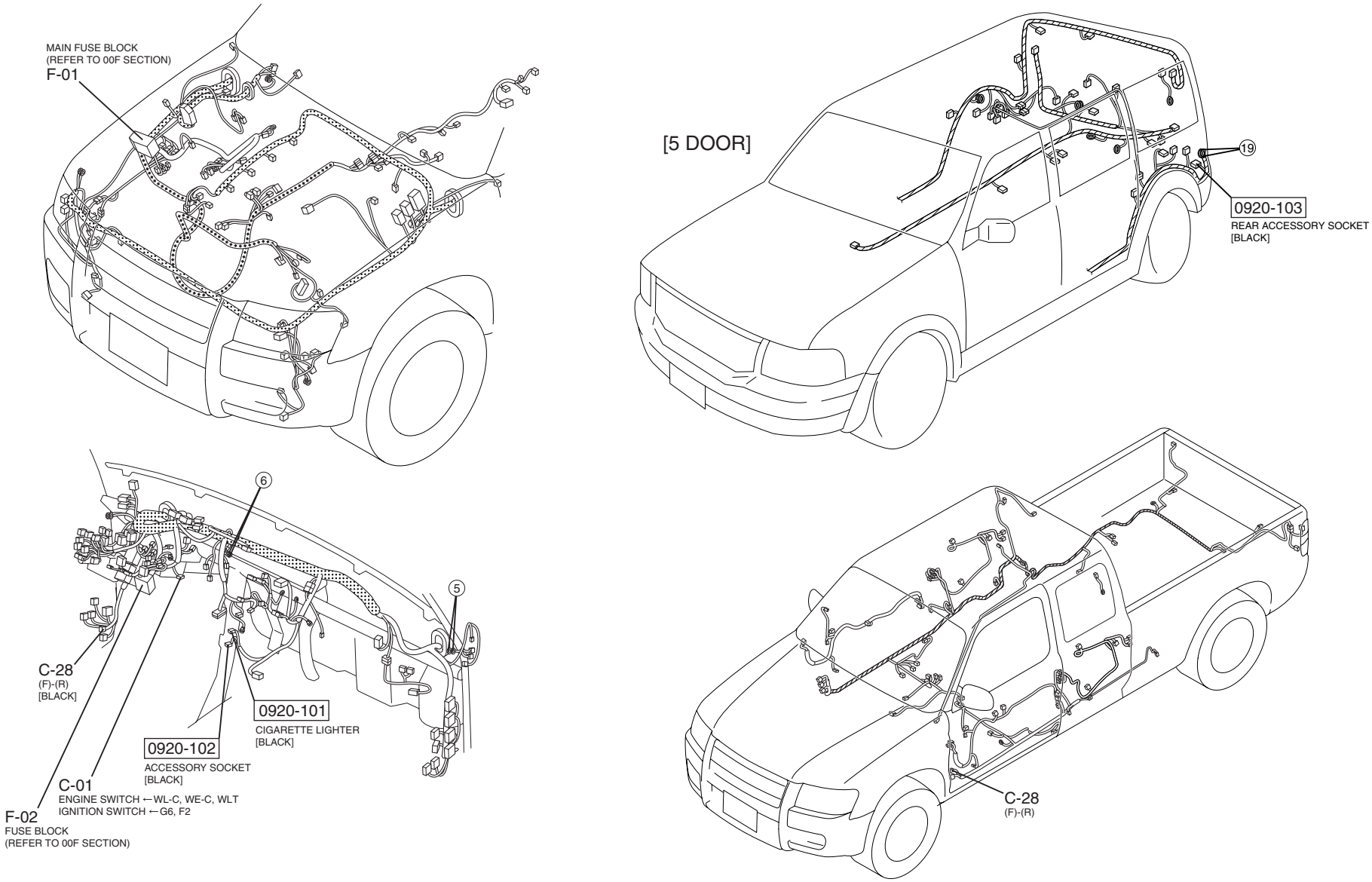
www.truck-freeworkshop.com



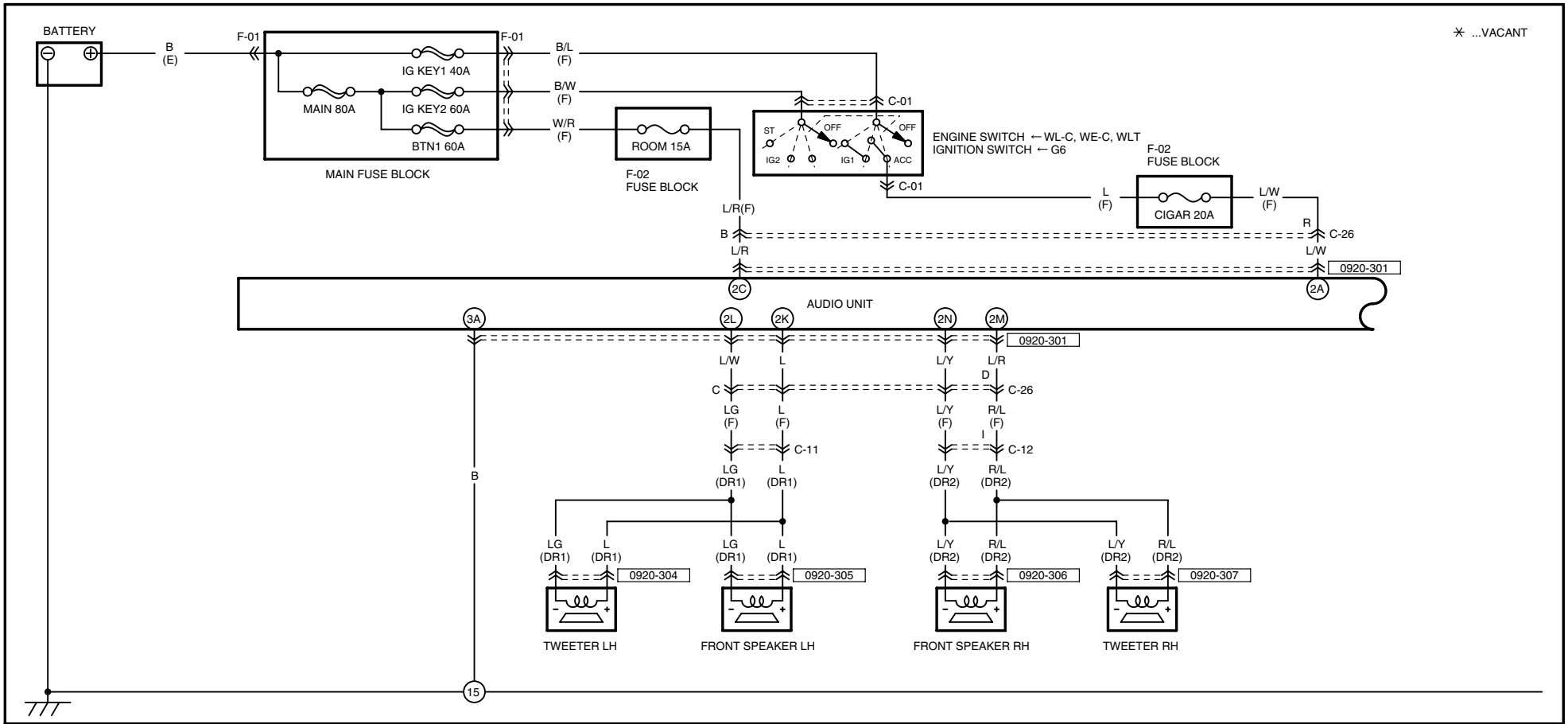
0920-101 CIGARETTE LIGHTER(F)	0920-102 ACCESSORY SOCKET(F)	0920-103 REAR ACCESSORY SOCKET(R)	
L/W / B	L/W / B	L/W ✳ / B	

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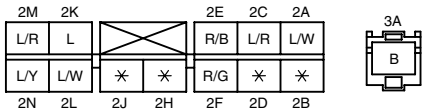
HARNESS SYMBOL: (F) (E) (R)



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0920-301	AUDIO UNIT(SHORT CORD)



0920-304	TWEETER LH(DR1)



0920-305	FRONT SPEAKER LH(DR1)



0920-306	FRONT SPEAKER RH(DR2)

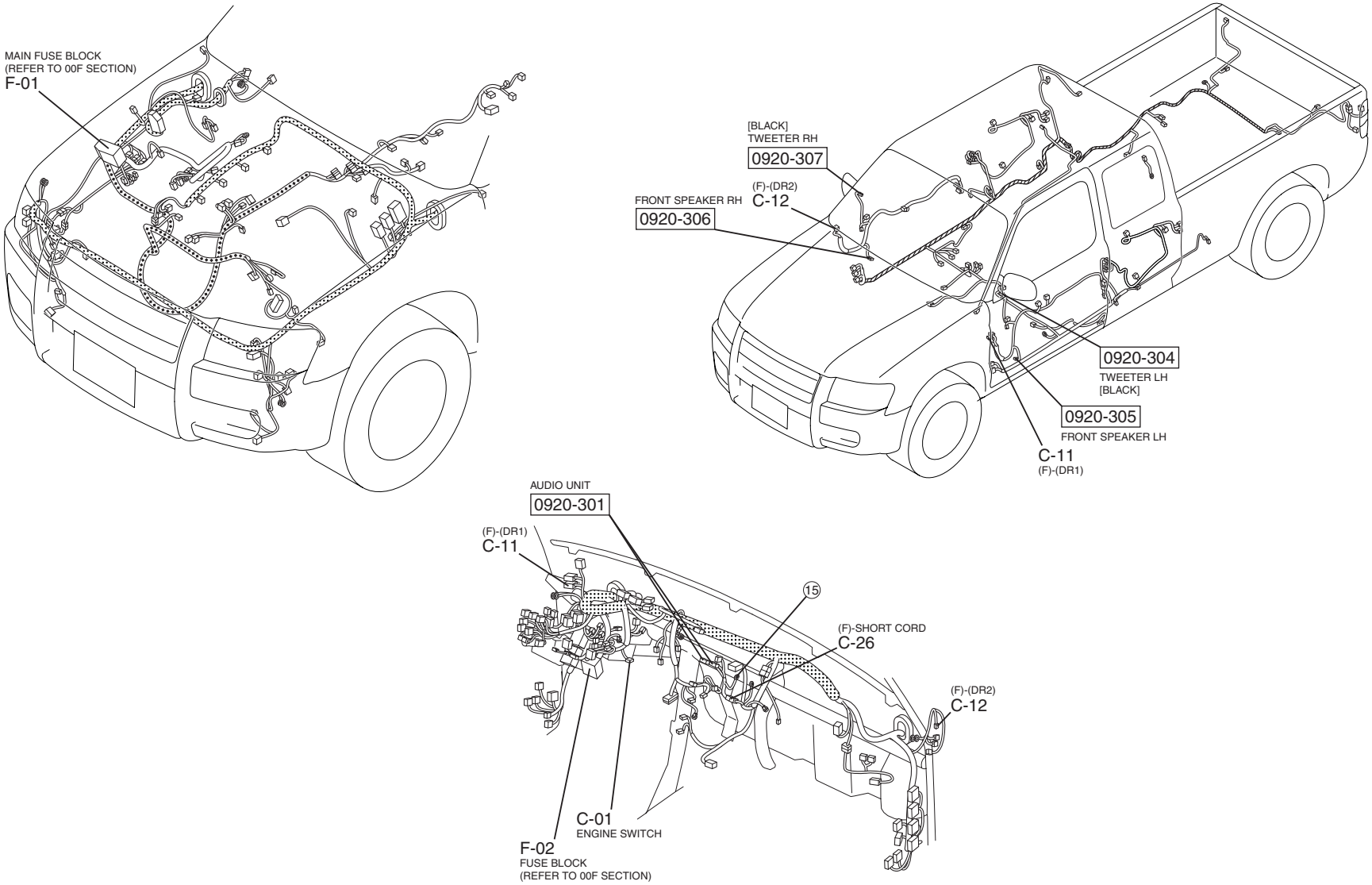


0920-307	TWEETER RH(DR2)



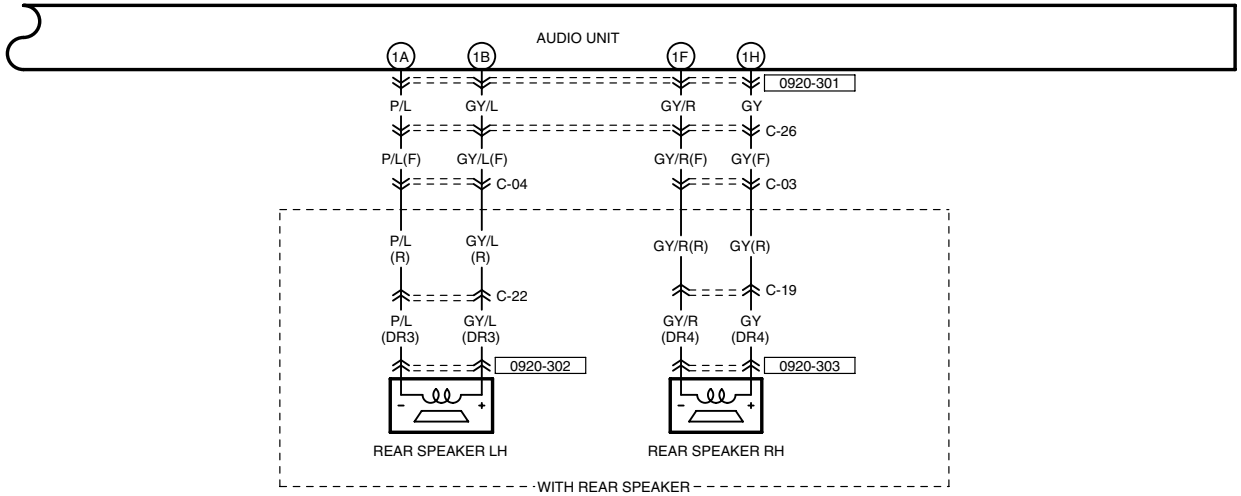
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HARNESS SYMBOL: (F) (E) (R)

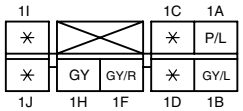


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✳ ...VACANT



0920-301 AUDIO UNIT(SHORT CORD)



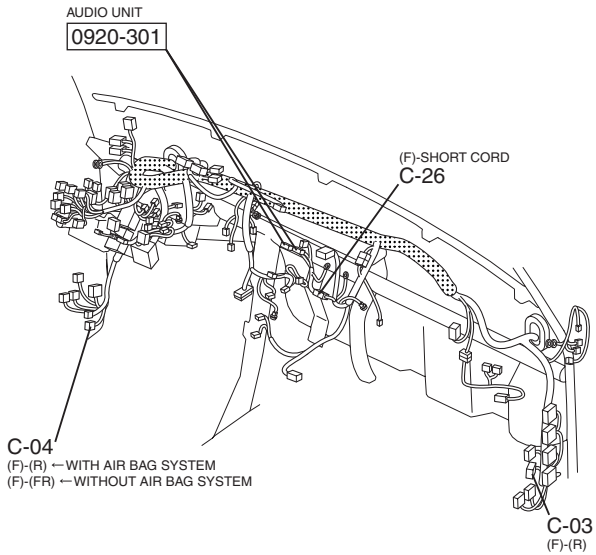
0920-302 REAR SPEAKER LH(DR3)

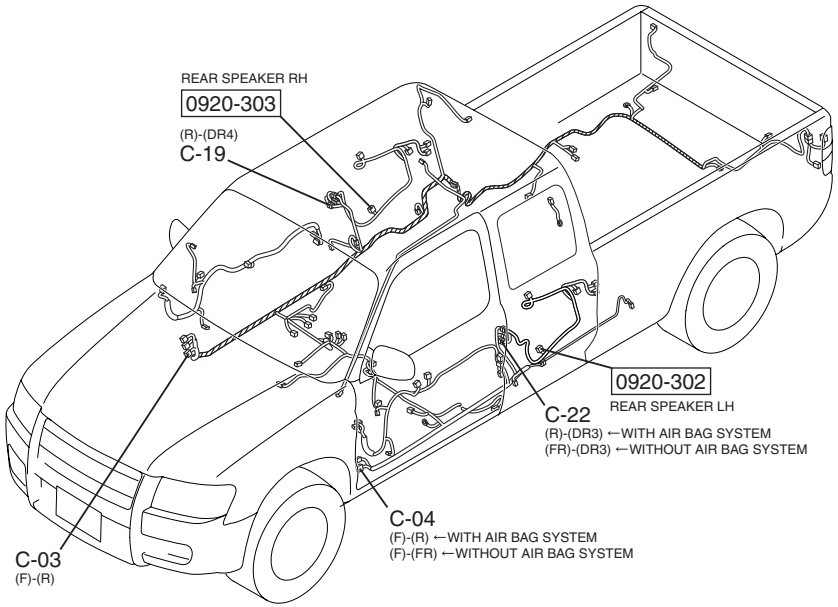


0920-303 REAR SPEAKER RH(DR4)

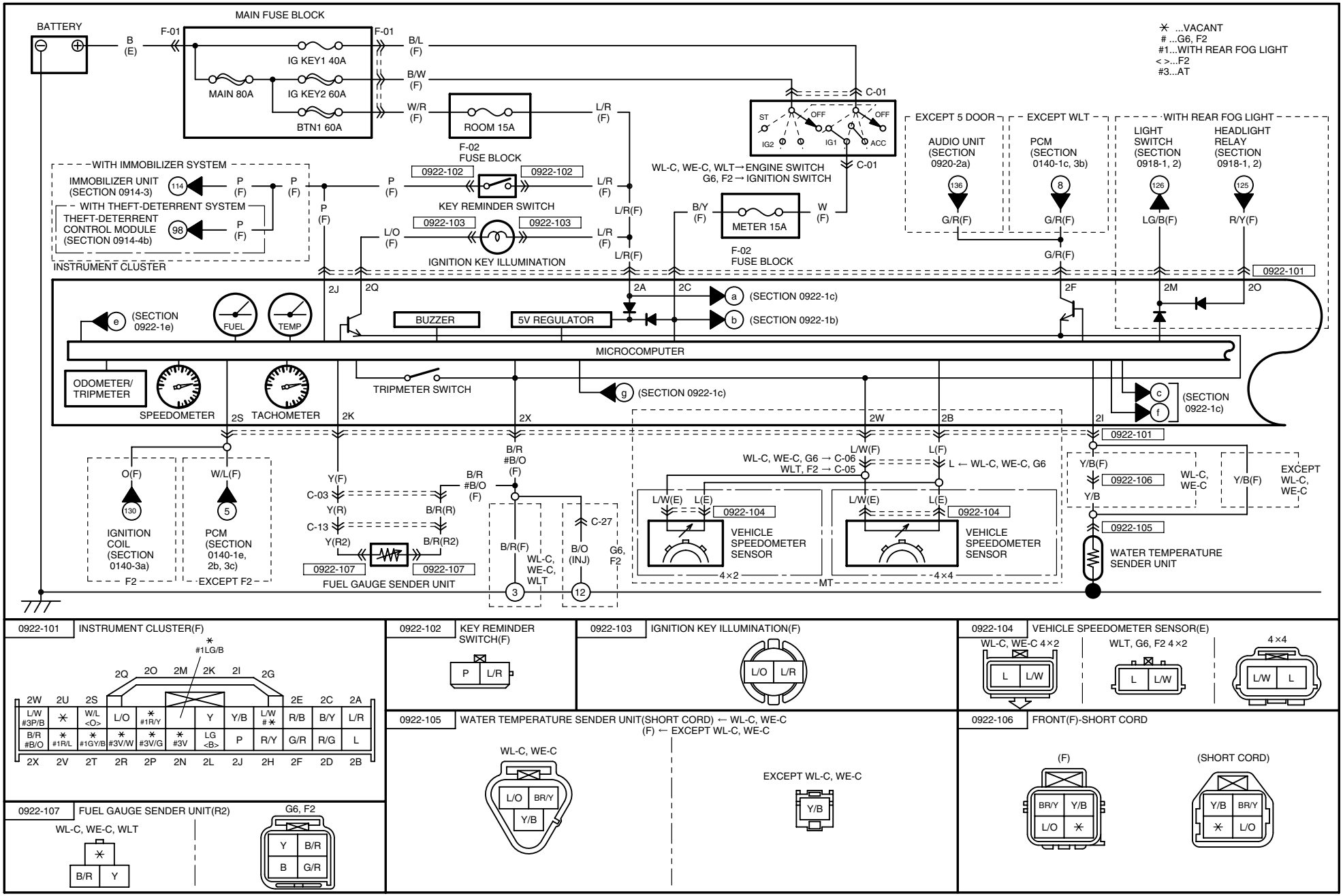


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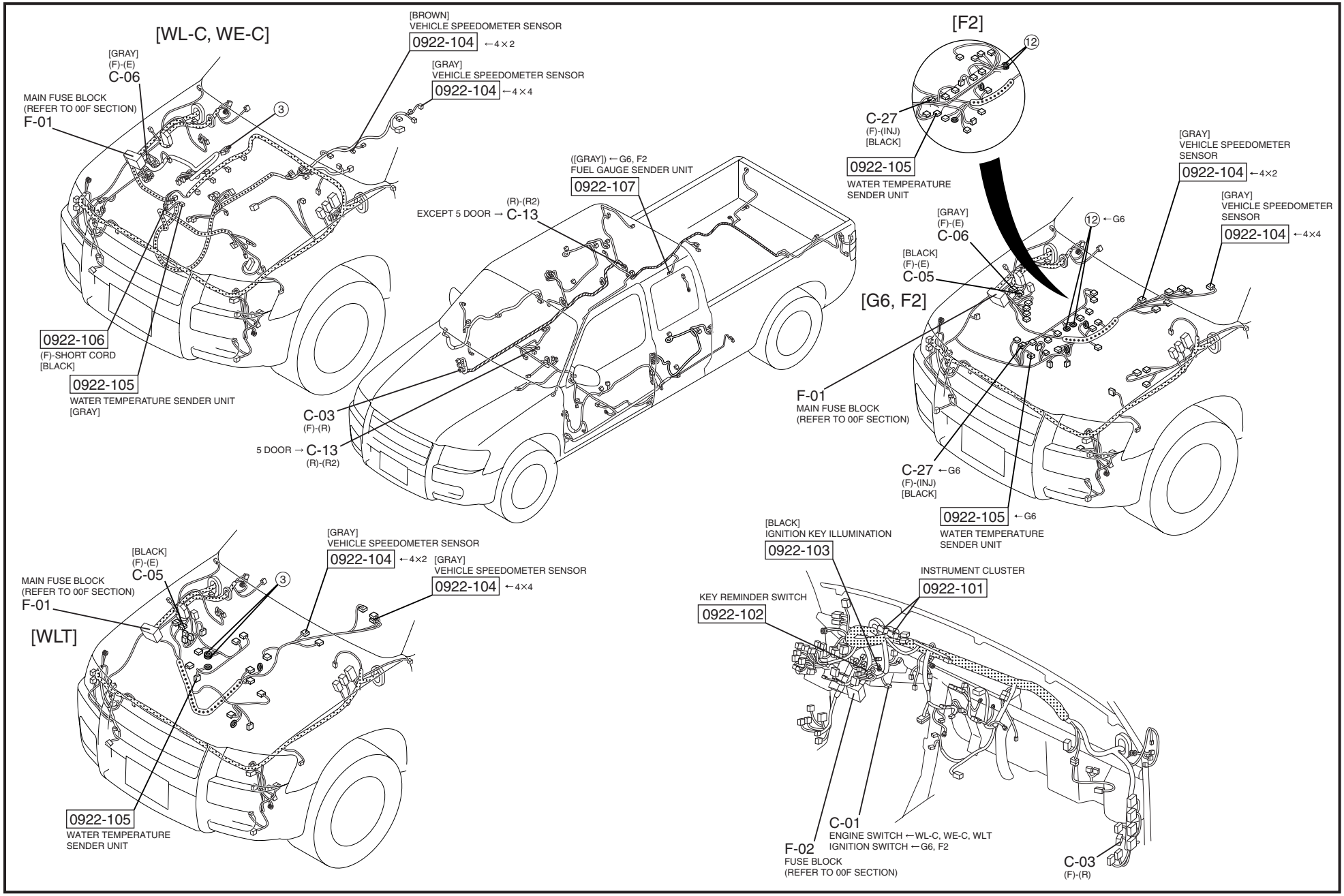


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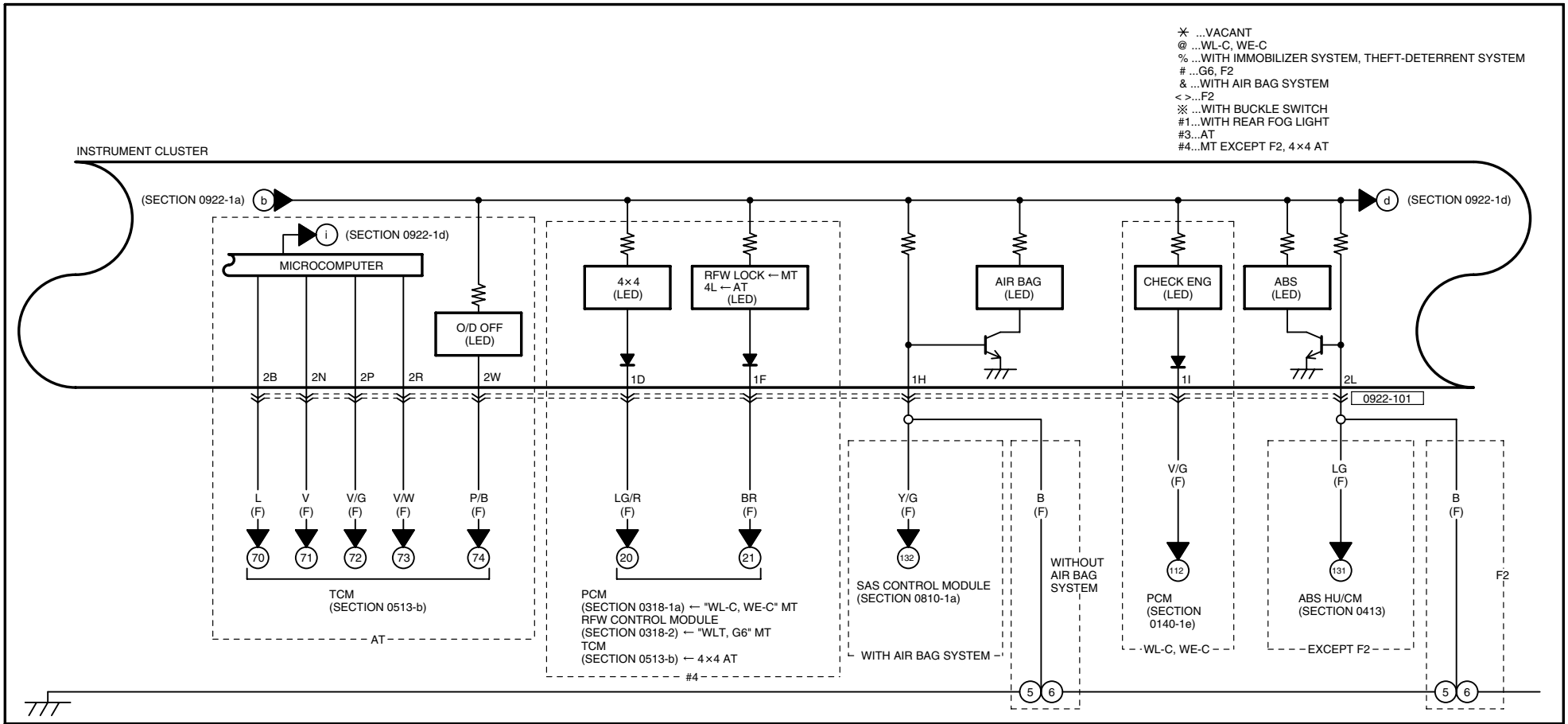


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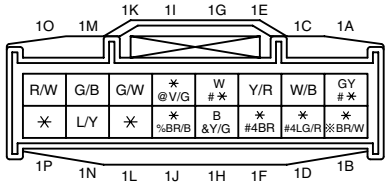
HARNESS SYMBOL: (F) (E) (R)

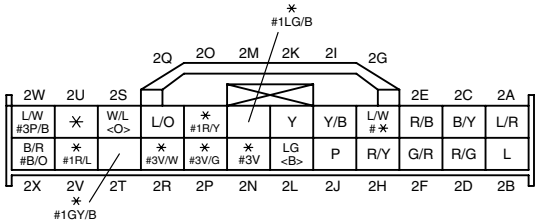


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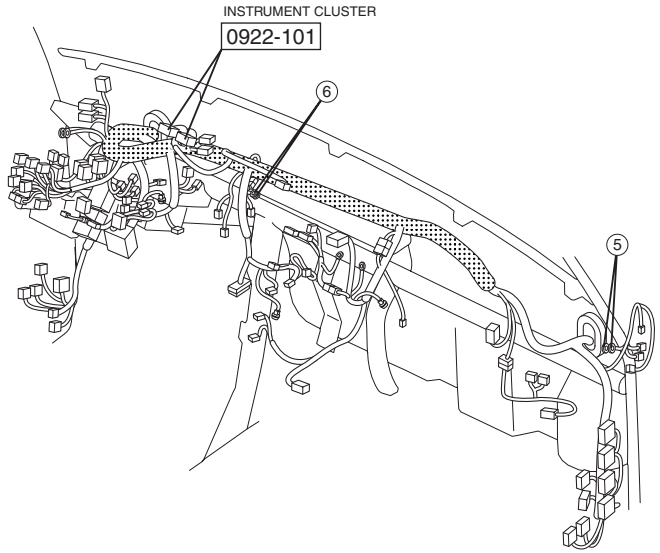
0922-101 INSTRUMENT CLUSTER(F)



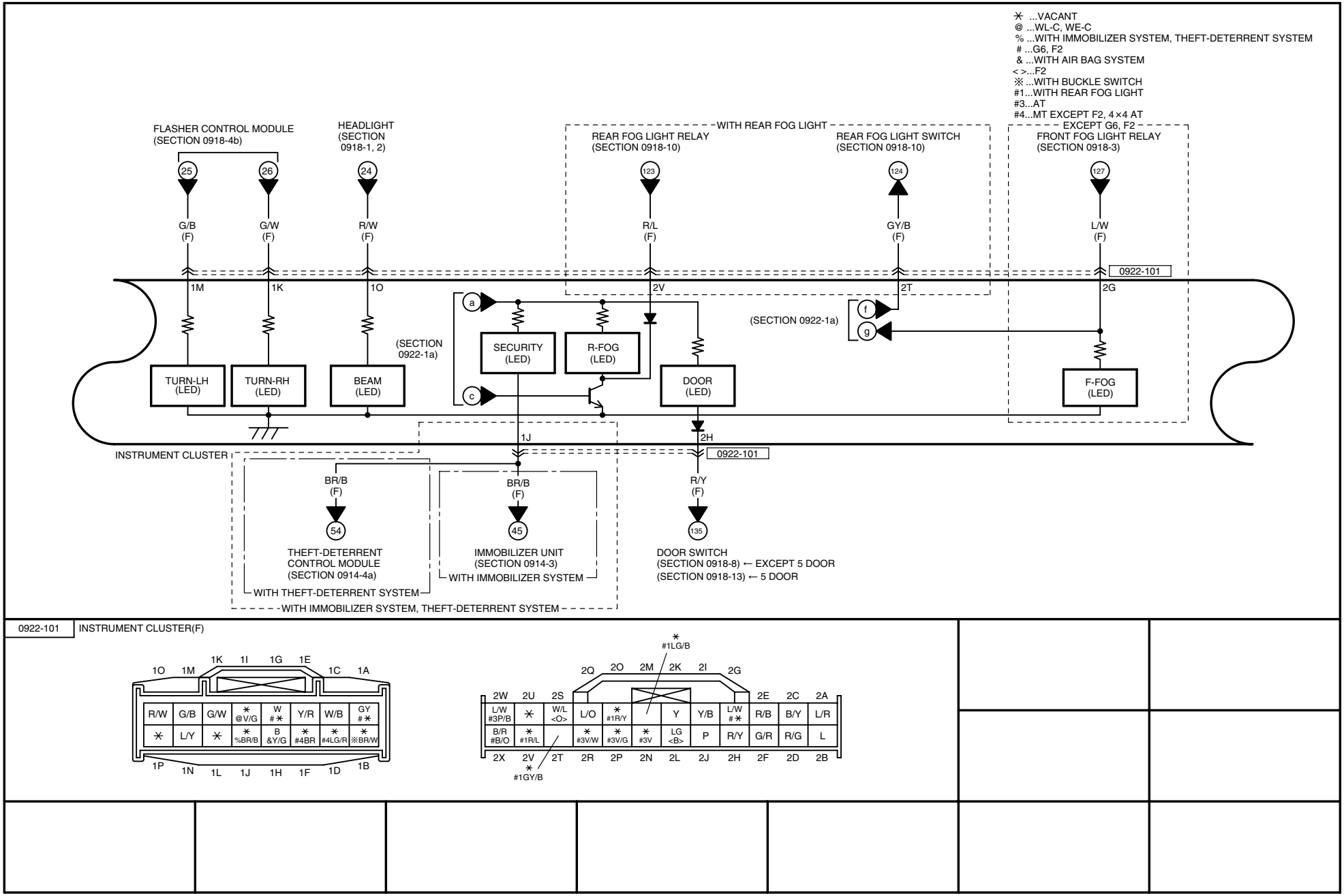


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HARNESS SYMBOL: (F) (E) (R)



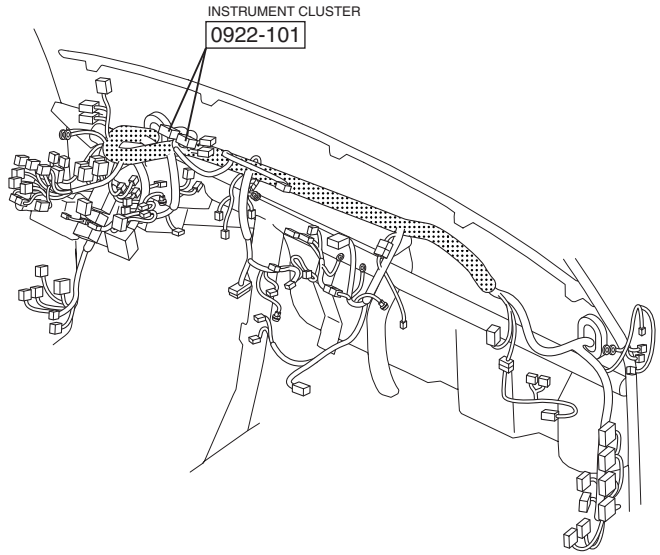
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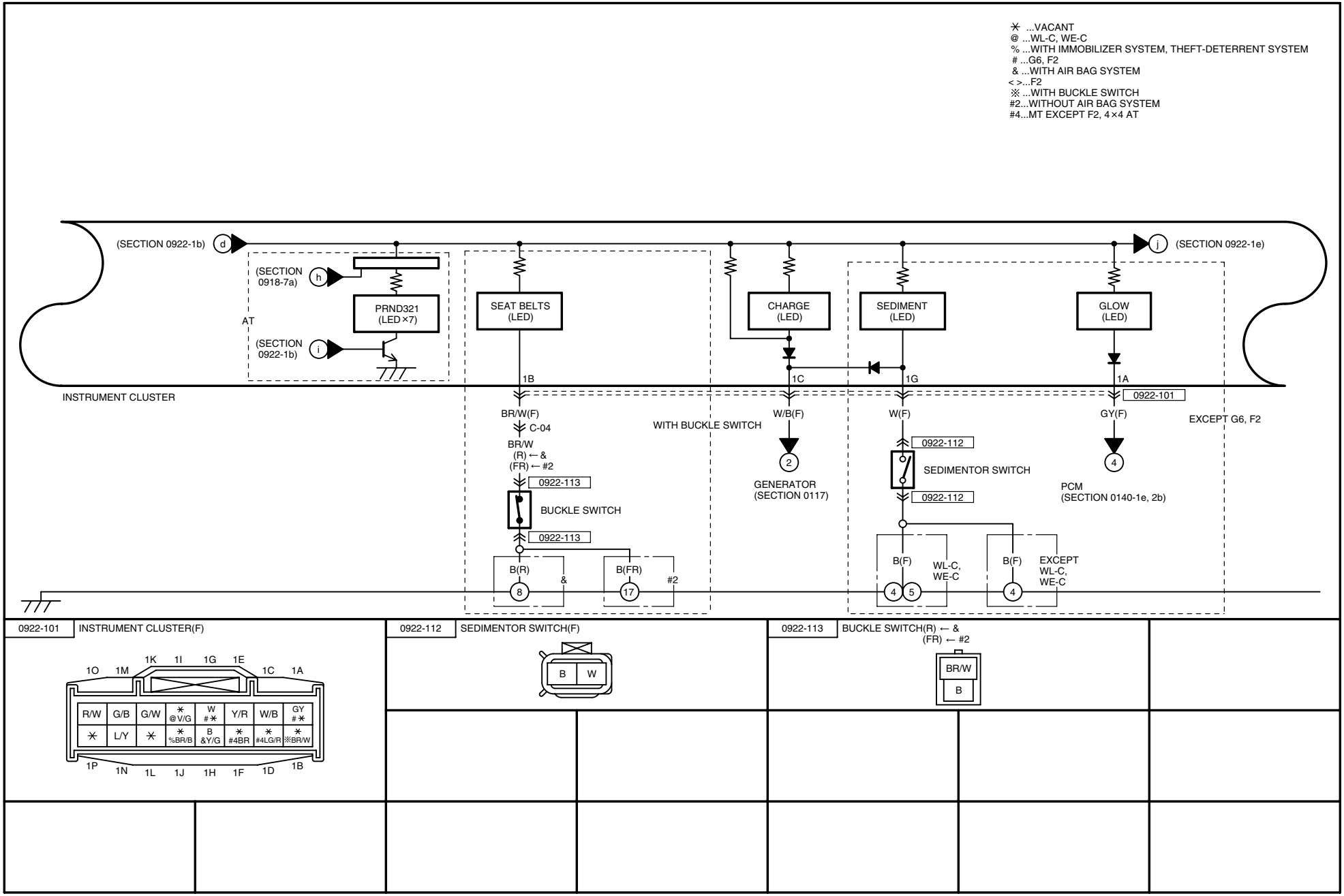
0922-101 INSTRUMENT CLUSTER(F)

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HARNESS SYMBOL: (F) (E) (R)



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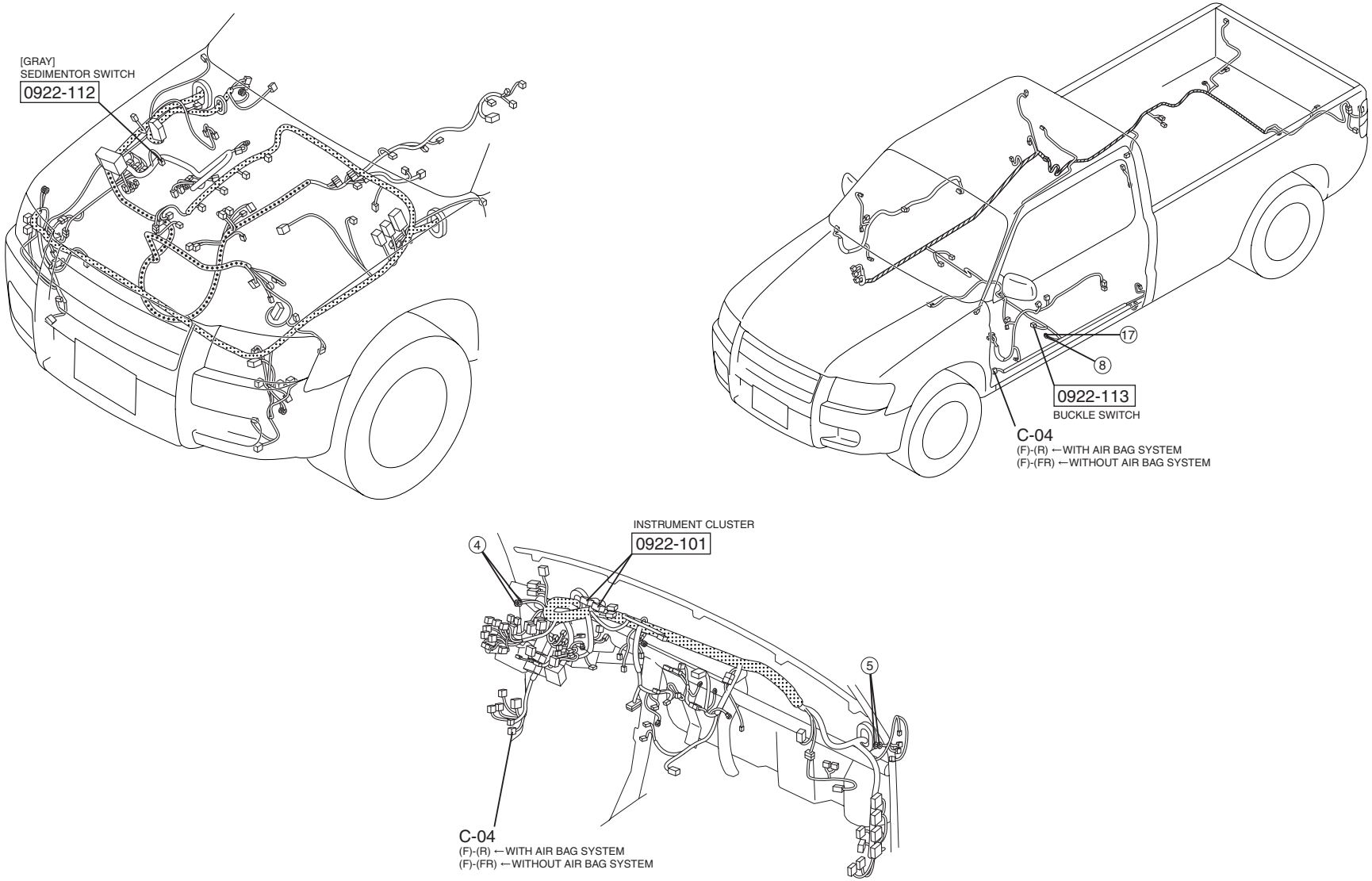
0922-101 INSTRUMENT CLUSTER(F)

0922-112 SEDIMENTOR SWITCH(F)

0922-113 BUCKLE SWITCH(R) ← & (FR) ← #2

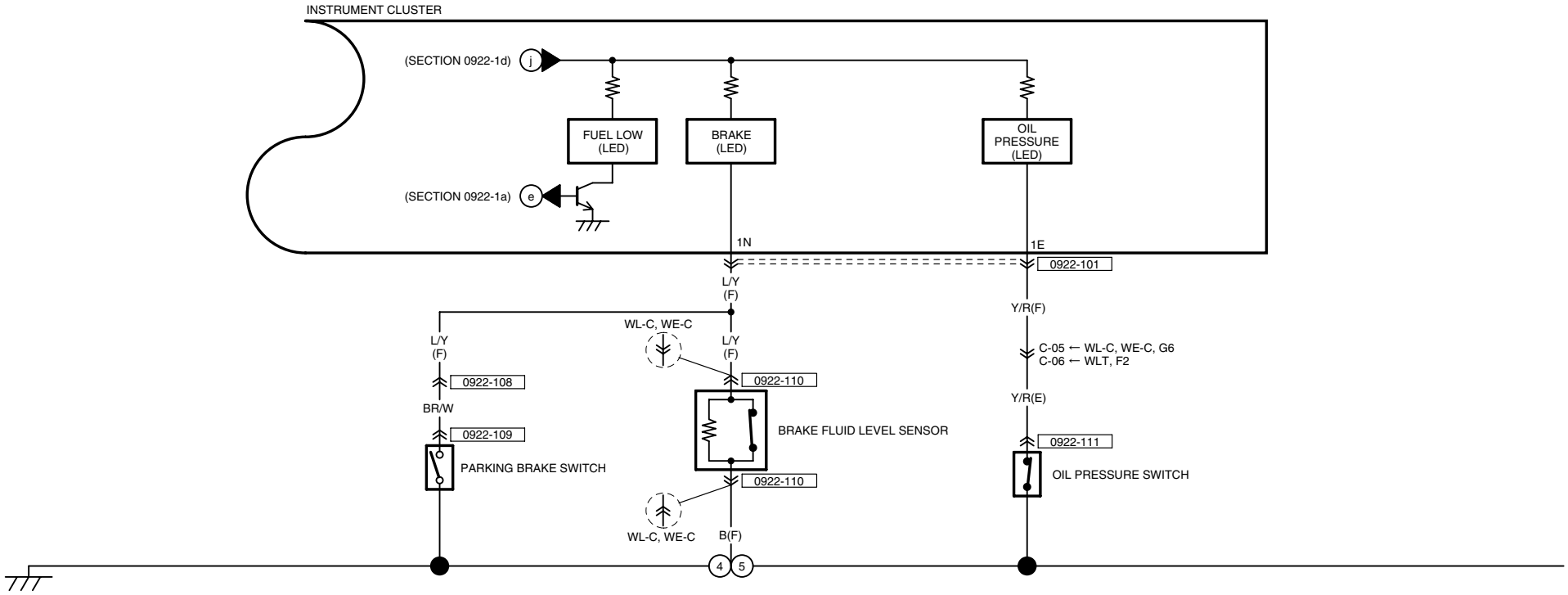
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HARNESS SYMBOL: (F) (E) (R)

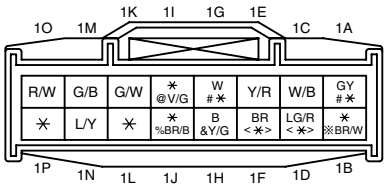


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✳ ...VACANT
@ ...WL-C, WE-C
% ...WITH IMMOBILIZER SYSTEM, THEFT-DETERRENT SYSTEM
...G6, F2
& ...WITH AIR BAG SYSTEM
< >...F2
※ ...WITH BUCKLE SWITCH



0922-101 INSTRUMENT CLUSTER(F)



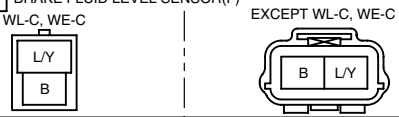
0922-108 FRONT(F)-SHORT CORD



0922-109 PARKING BRAKE SWITCH(SHORT CORD)



0922-110 BRAKE FLUID LEVEL SENSOR(F)

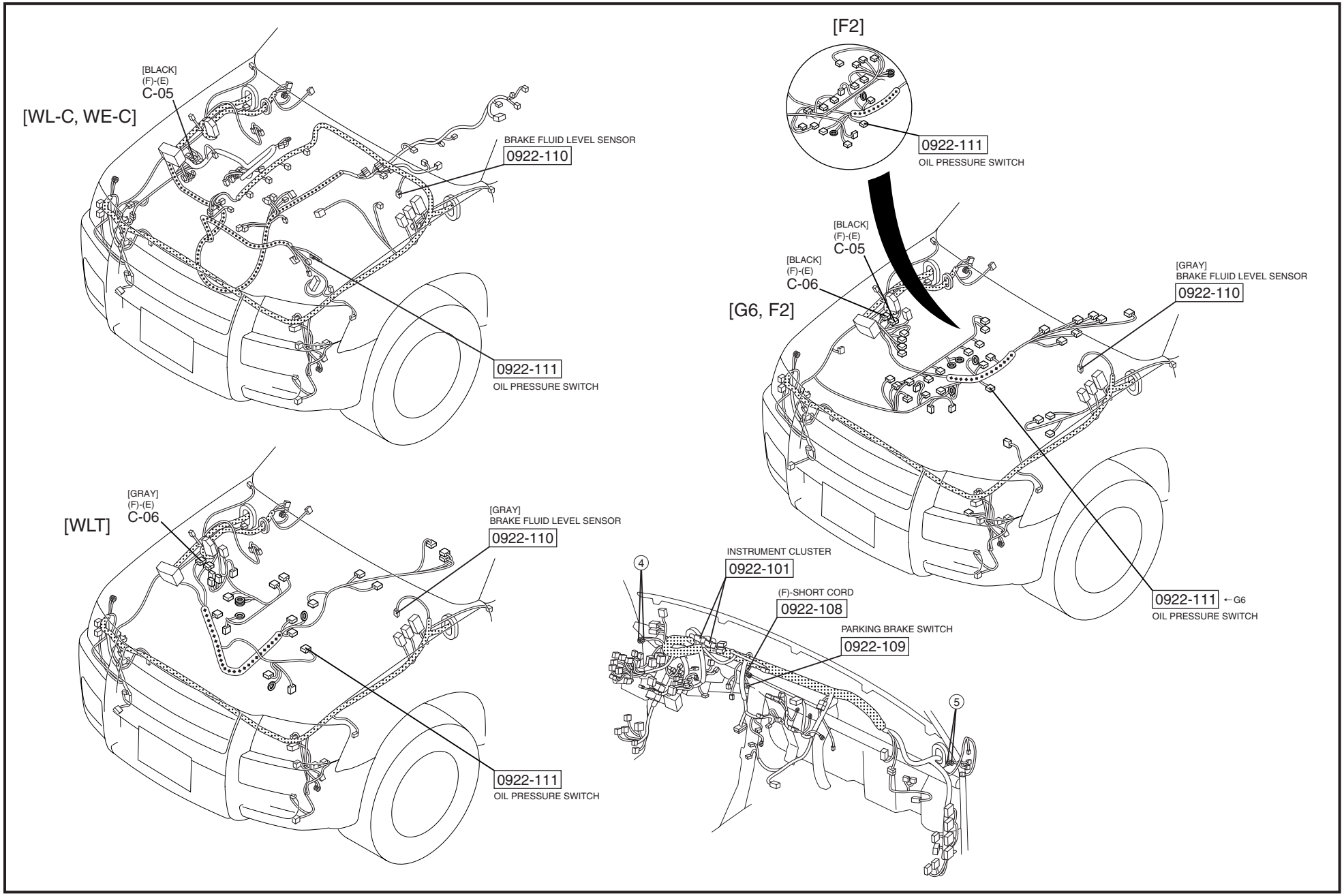


0922-111 OIL PRESSURE SWITCH(E)



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HARNESS SYMBOL: (F) (E) (R)



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ALPHABETICAL INDEX

4
- 4X4 CONTROL MODULE 28
- 4X4 RELAY 28
- 4X4 SWITCH 30

A
- A/C AMPLIFIER 40
- A/C DIODE 40, 42
- A/C RELAY 40
- A/C SWITCH 40, 42
- ACCESSORY SOCKET 94
- AT DIODE 32
- AT RELAY 32
- AUDIO UNIT 96

B
- BACK-UP LIGHT 76
- BACK-UP LIGHT SWITCH 76
- BACK DOOR LOCK ACTUATOR 54
- BLOWER MOTOR 40, 42
- BLOWER RELAY 40, 42
- BLOWER UNIT 40
- BONNET SWITCH 60
- BRAKE FLUID LEVEL SENSOR 108
- BRAKE LIGHT 78
- BRAKE SWITCH 78
- BUCKLE SWITCH 106

C
- CAMSHAFT POSITION SENSOR 22
- CIGARETTE LIGHTER 94
- CLIMATE CONTROL UNIT 40
- CLUTCH COIL 30
- CLUTCH SWITCH 26
- COIL 58
- COMMON CONNECTOR LIST 8
- CONDENSER 22
- CTP SWITCH 26

D
- DATA LINK CONNECTOR 16
- DATA LINK CONNECTOR-2 18
- DIGITAL TRANSMISSION RANGE SENSOR 20, 30, 38, 76
- DOOR KEY CYLINDER SWITCH 64
- DOOR LOCK-LINK SWITCH 52, 62
- DOOR LOCK ACTUATOR 54
- DOOR LOCK CONTROL MODULE 52
- DOOR SWITCH 90
- DRL CONTROL MODULE 88

E
- ELECTRICAL WIRING SCHEMATIC 4
- ENGINE COOLANT TEMPERATURE SENSOR 24, 26

F
- FAN SWITCH 42
- FILAMENT 44
- FLASHER CONTROL MODULE 72
- FREE SOLENOID 28
- FRONT POWER WINDOW REGULATOR 46
- FRONT SIDE TURN LIGHT 74
- FRONT SPEAKER 96
- FRONT TURN LIGHT 74
- FUEL-FILLER LID OPENER 66
- FUEL-FILLER LID OPENER SWITCH 66
- FUEL GAUGE SENDER UNIT 100
- FUEL INJECTOR 24
- FUSE BOX 6

G
- GENERAL INFORMATION 2
- GLOVE COMPARTMENT LIGHT 84
- GROUND POINT 12

H
- HAZARD WARNING SWITCH 72
- HEADLIGHT 68, 70
- HEADLIGHT RELAY 68, 70
- HIGH-MOUNT BRAKE LIGHT 78

I
- IAC VALVE 24
- IGNITER 22
- IGNITION COIL 22
- ILLUMINATION
  - 4X4 SWITCH 84
  - A/C SWITCH 84
  - AUDIO UNIT 80
  - CONSOLE 82
  - FUEL-FILLER LID OPENER SWITCH 82
  - HAZARD WARNING SWITCH 80
  - HEADLIGHT LEVELING SWITCH 82
  - HEATER CONTROL 80
  - IGNITION KEY 100
  - INSTRUMENT CLUSTER 80
  - O/D OFF SWITCH 84
  - REAR A/C 84
  - REAR A/C SWITCH 82
  - REAR WINDOW DEFROSTER SWITCH 80
  - RFW MAIN SWITCH 82
  - SEAT WARMER SWITCH 82
  - WARM UP SWITCH 80
- IMMOBILIZER UNIT 58
- INSTRUMENT CLUSTER 100
- INTAKE AIR TEMPERATURE SENSOR 24, 26
- INTERIOR LIGHT 90
- INTERMEDIATE SHAFT SPEED SENSOR 34

K
- KEY REMINDER SWITCH 100
- KEYLESS CONTROL MODULE 56

L
- LICENSE PLATE LIGHT 86
- LIGHT SWITCH 68, 70
- LOCK SOLENOID 28

M
- MAGNETIC CLUTCH 40
- MAIN RELAY 22
- MAP LIGHT 90
- MASS AIR FLOW SENSOR 24
- MOTOR COMPONENT 30

N
- NEUTRAL SWITCH 26

O
- O/D OFF SWITCH 32
- OIL PRESSURE SWITCH 108
- OUTPUT SHAFT SPEED SENSOR 38
- OXYGEN SENSOR 24, 26

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ALPHABETICAL INDEX

P

PANEL LIGHT CONTROL SWITCH 82
PARKING BRAKE SWITCH 108
PARKING LIGHT 86
PCM 22
POWER OUTER MIRROR 50
POWER OUTER MIRROR SWITCH 50
POWER STEERING PRESSURE SWITCH 26
POWER WINDOW MAIN SWITCH 46
POWER WINDOW REGULATOR
(FRONT) 46
(REAR) 48
POWER WINDOW SUBSWITCH 46
PRC SOLENOID VALVE 24
PURGE SOLENOID VALVE 24

R

REAR A/C DIODE 40, 42
REAR A/C SWITCH 42
REAR ACCESSORY SOCKET 94
REAR BLOWER MOTOR 42
REAR BLOWER RELAY 42
REAR FAN SWITCH 42
REAR MAP LIGHT 90
REAR POWER WINDOW REGULATOR 48
REAR RESISTOR 42
REAR SPEAKER 98
REAR TURN LIGHT 74
REAR WASHER MOTOR 92
REAR WINDOW DEFROSTER RELAY 44
REAR WINDOW DEFROSTER SWITCH 44
REAR WIPER AND WASHER SWITCH 92
REAR WIPER MOTOR 92
REFRIGERANT PRESSURE SWITCH 40
RESISTOR 40, 42

S

SEDIMENTOR SWITCH 106
SIDE TURN LIGHT 74
SOLENOID BODY 36
SPEAKER
(FRONT) 96
(REAR) 98
SPEED SENSOR 30
STARTER 20
STARTER RELAY 20

T

TAILLIGHT 86
TCM 32
THEFT-DETERRENT CONTROL MODULE 60
THEFT-DETERRENT HORN 62
THEFT-DETERRENT HORN RELAY 62
THROTTLE POSITION SENSOR 24, 26
TNS RELAY 68, 70
TURBINE SHAFT SPEED SENSOR 34
TURN LIGHT 74
TURN SWITCH 72
TWEETER 96

V

VEHICLE IDENTIFICATION NUMBERS (VIN) 3
VEHICLE SPEEDOMETER SENSOR 100

W

WASHER MOTOR 92
WATER TEMPERATURE
SENDER UNIT 100
WINDOW DEFROSTER RELAY 44
WINDOW DEFROSTER SWITCH 44
WIPER AND WASHER SWITCH 92
WIPER MOTOR 92