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Service Manual Trucks

Group **37**
Version **01**

Wiring diagram

FH12, FH16 RHD

To be inserted into the binders for FM, FH.

TSP104002

https://truckmanualshub.com/

Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to November 1998.

The products are under continuous development. Vehicles and components produced after the above date may therefore have different specifications and repair methods. When this is judged to have a significant bearing on this manual, supplementary service bulletins will be issued to cover the changes.

The new edition of this manual will update the changes.

In service procedures where the title incorporates an operation number, this is a reference to V.S.T. (Volvo Standard Times).

Service procedures which do not include an operation number in the title are for general information and no reference is made to V.S.T.

The following levels of observations, cautions and warnings are used in this Service Documentation:

Note: Indicates a situation, handling or circumstance which should be observed.

Important: Indicates a situation, handling or circumstance which should be emphasized so as not to lead to personal injury or damage to property.

Caution: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or damage to property.

Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury or major damage to property.

Danger: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

Volvo Truck Corporation
Göteborg, Sweden

Order number: TSP104002

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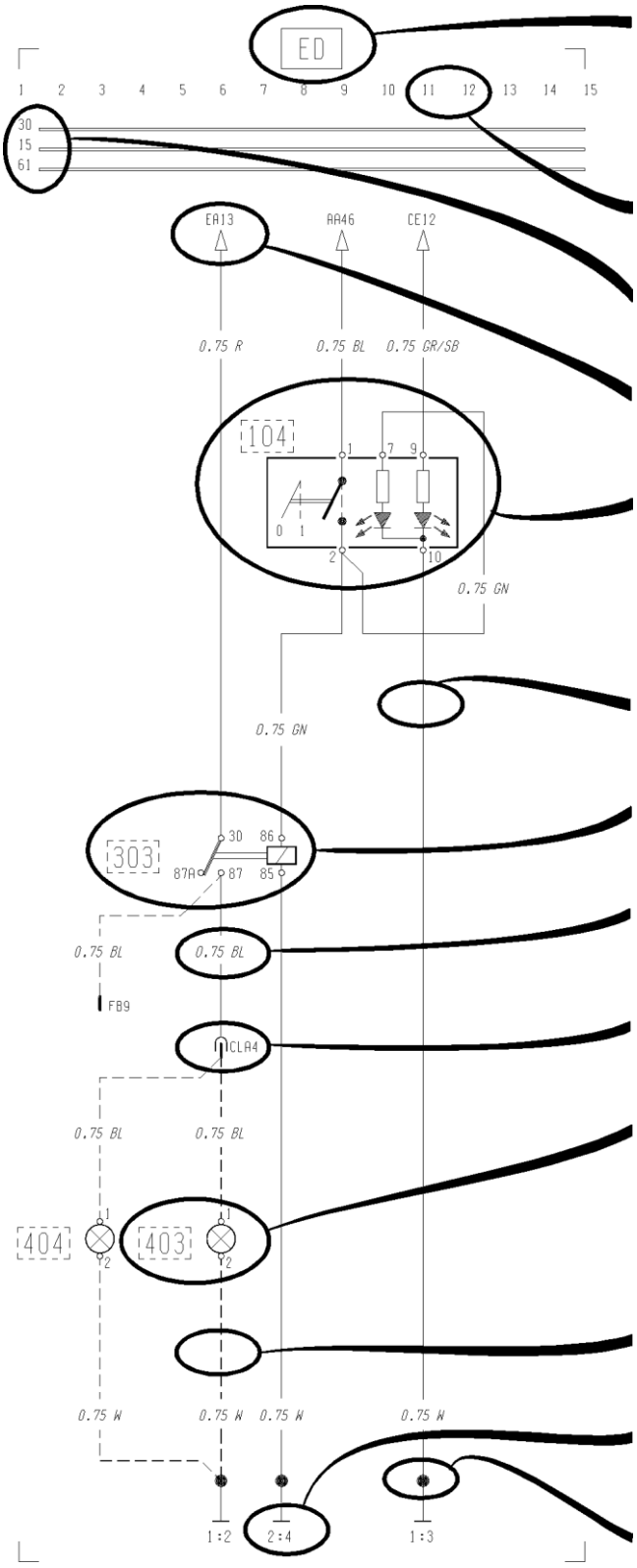
List of components 102

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Feedback

Example of wiring diagram



T3009608

Refer to the list of contents for the designation of the circuit diagram. If the circuit diagram designation is boxed in with broken lines this means that the circuit diagram is not standard on all market or vehicle models.

Seek column.

30 Voltage battery, kl.30.
15 Voltage with starting key in drive position, kl.15.
61 Voltage when alternator charges, kl.61.

Reference arrow (for circuit diagram EA, seek column 13).

Switch, comp. no. (104).

Single lines, cables.

Relay, comp. no. (303).

Cable area and colour (0.75 mm^2 blue).

Connector (CLA terminal 4).

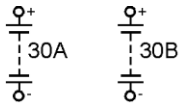
Bulb, comp. no. (403)
A broken line box round the component number shows that the component is not standard on all markets or vehicle models.

If the line is broken this means the cable is not standard on all markets or vehicle model.

Earth connection point no: 2. and earth terminal no: 4. (see diagram Earth Connections).

Joint sleeve.

Examples of symbols on wiring diagram



Battery



Connector



Junktion



Fuse



Joint sleeve

Cable

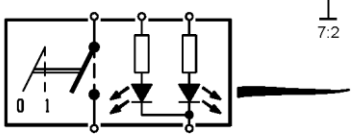


Twisted cables

Conductor on circuit card



Earth connection and cable



Switch

Switch, starting switch

Closing contakt



Closing contakt, pressure-regulated



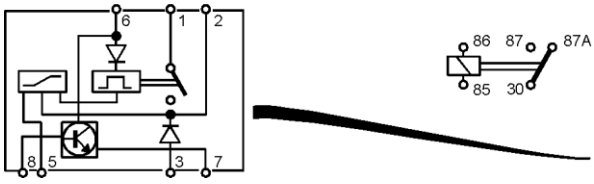
Break contakt, temperature-regulated



Closing contakt, time-regulated



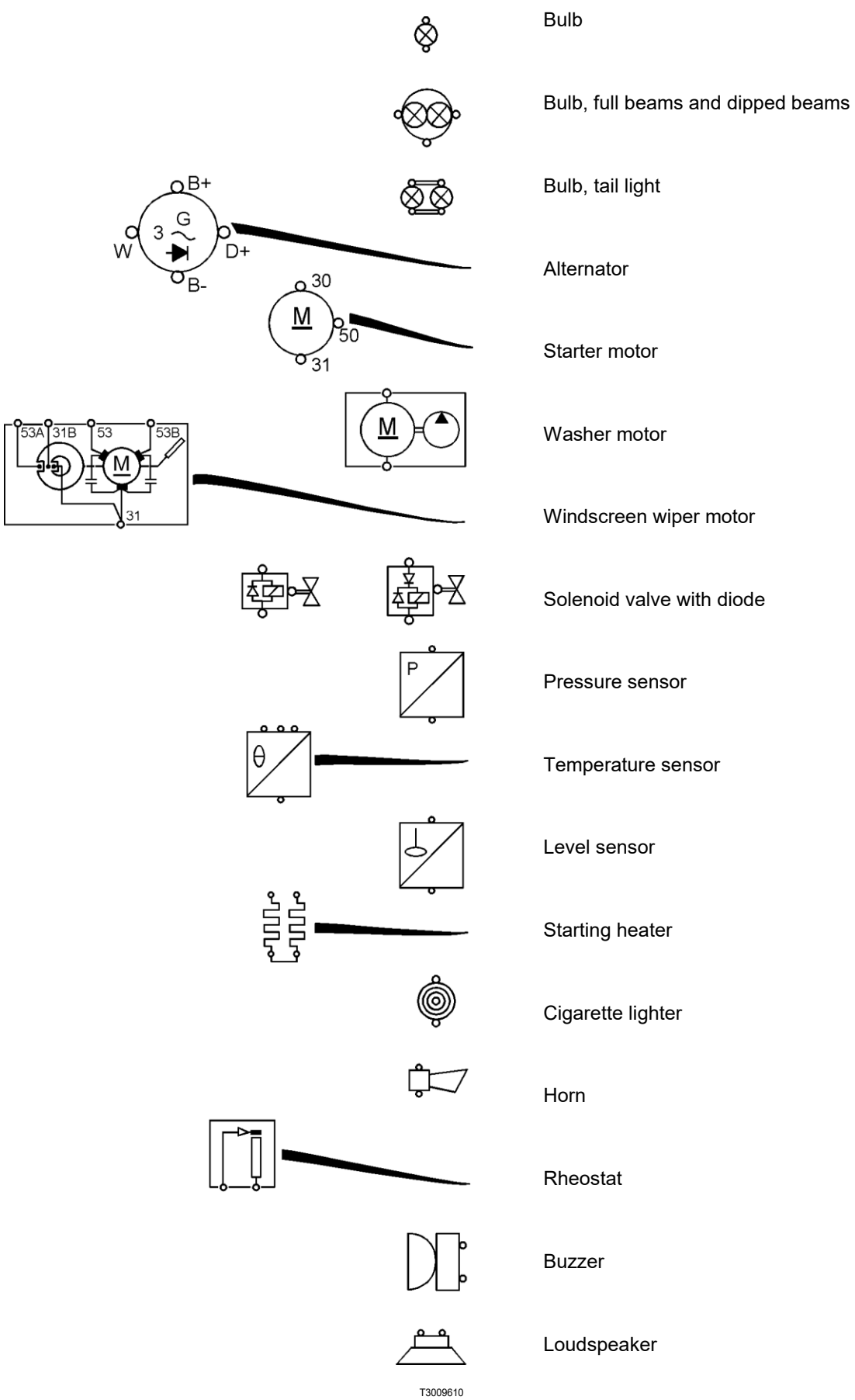
Slip contakt, horn



Relay

Relay with internal circuit diagram

T3009609


Bulb
Bulb, full beams and dipped beams
Bulb, tail light
B+
G
3
W
D+
B-
Alternator
30
M
50
31
Starter motor
M
Washer motor
53A
31B
53
53B
M
31
Windscreen wiper motor
Solenoid valve with diode
P
Pressure sensor
θ
Temperature sensor
Level sensor
Starting heater
Cigarette lighter
Horn
Rheostat
Buzzer
Loudspeaker
T3009610

Component wiring diagram index

AA Power supply, starting system, immobiliser ..... page 7

AC Vehicle ECU ..... page 8

BL Engine ECU, fuel injection system, preheating, FH12 ..... page 9

BN Engine ECU, fuel injection system, preheating, FH16 ..... page 10

CE Head light, parking light, dim-dip ..... page 11

CG Fog light, rear fog light ..... page 12

CH Spot light (STD) DRIVL2 ..... page 12

CI Spot light (EU) DRIVL2EC ..... page 12

CK Brake light ..... page 13

CL Trailer controlled exhaust brake ..... page 13

CN Direction indicator, hazard warning light ..... page 14

EA Reversing light, reversing warning alarm ..... page 14

ED Loading light, fifth wheel light ..... page 15

EJ Roof sign light, L1H1/L2H1 ..... page 15

EK Roof sign light, L2H2 ..... page 16

EN Beacon warning light ..... page 16

ER Interior light, L1H1/ L2H1, alarm clock/timer ..... page 17

ES Interior light, L2H2/L2H3, alarm clock/timer ..... page 18

EV Cigarette lighter ..... page 19

EX 12 V power supply ..... page 19

FA Horn ..... page 19

GA Wiper, washer ..... page 20

HA Climate unit ..... page 21

HB Cab heater, EBERSPÄCHER D1LCC, PH-CAB ..... page 22

HE Electrically heated and adjusted seat ..... page 23

HG Electrically heated mirrors ..... page 23

HH Electrically operated mirrors ..... page 24

HK Air dryer ..... page 24

HM Fuel filter heater ..... page 24

HO Water separator heater ..... page 24

HP Electrically cab tilt ..... page 25

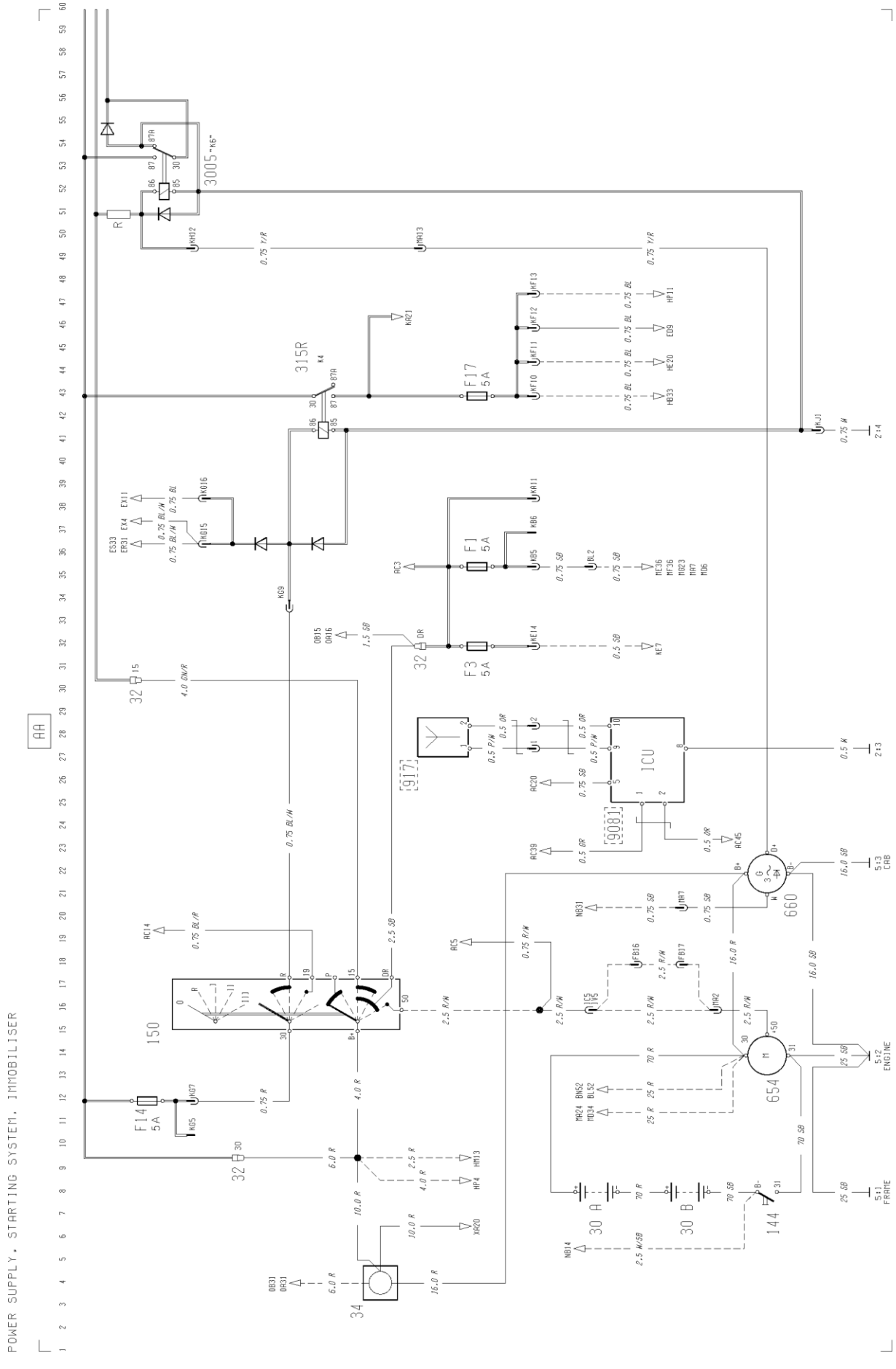
JA Radio ..... page 25

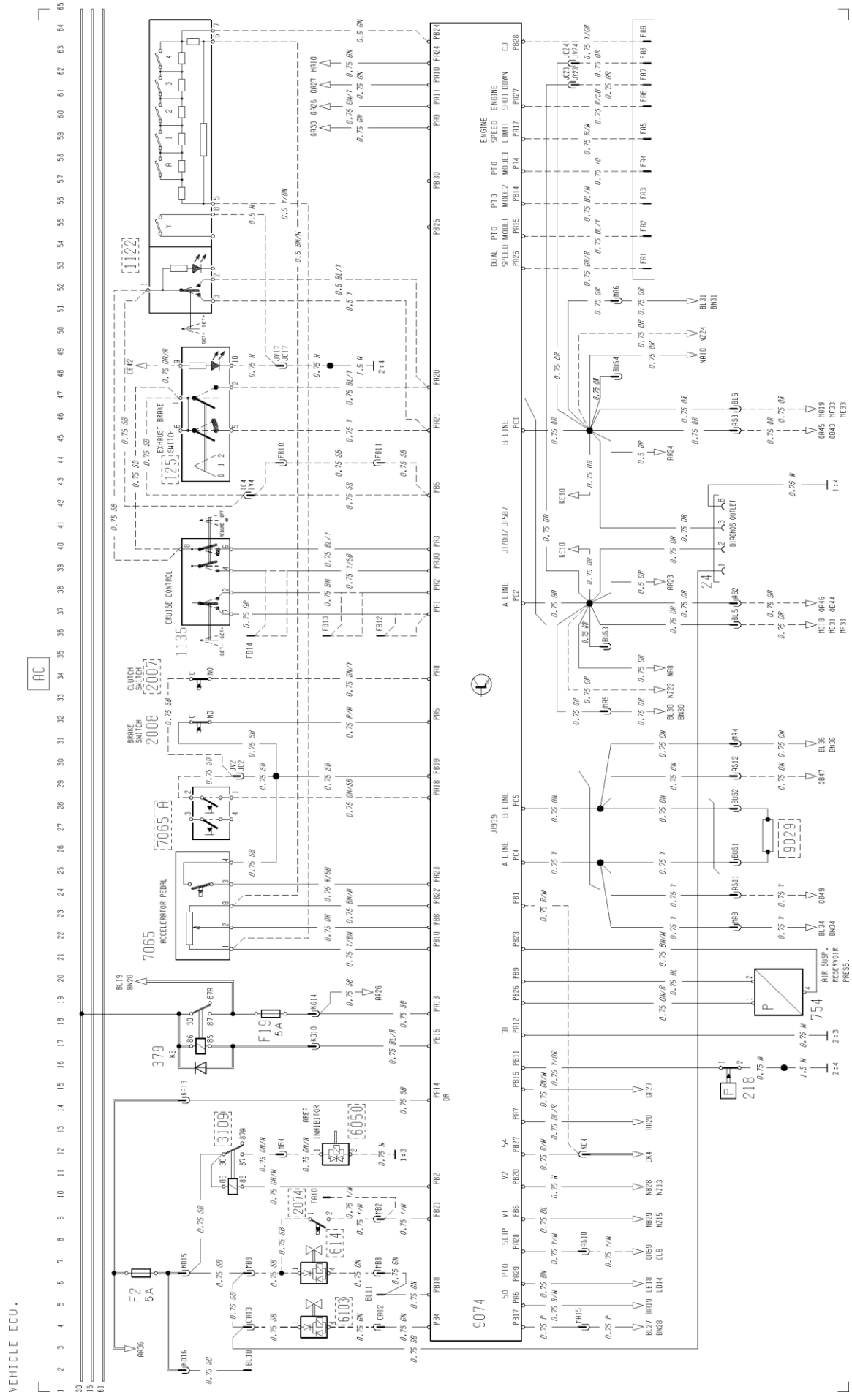
KA Electrically operated window winders ..... page 26

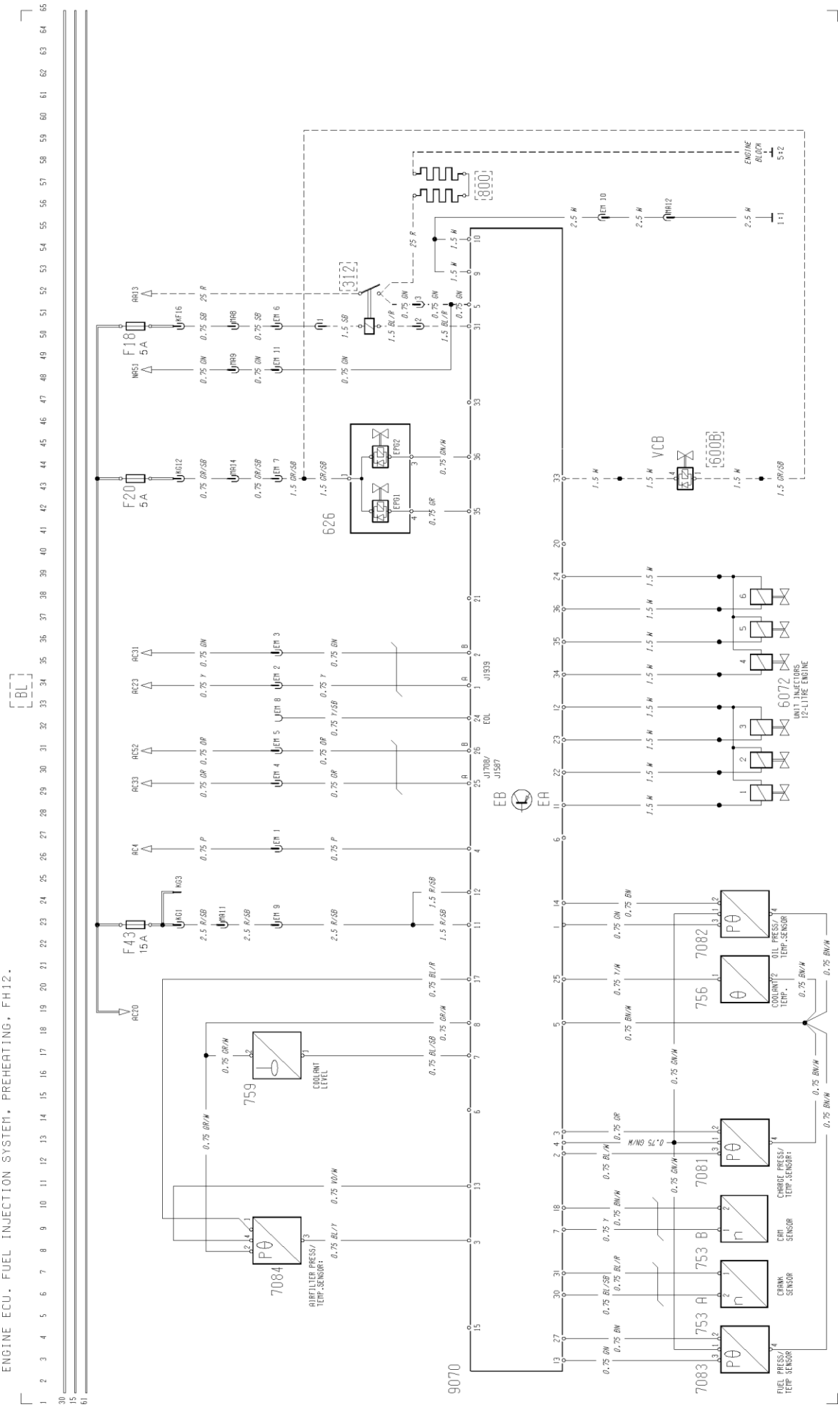
KB Electrically sunroof ..... page 26

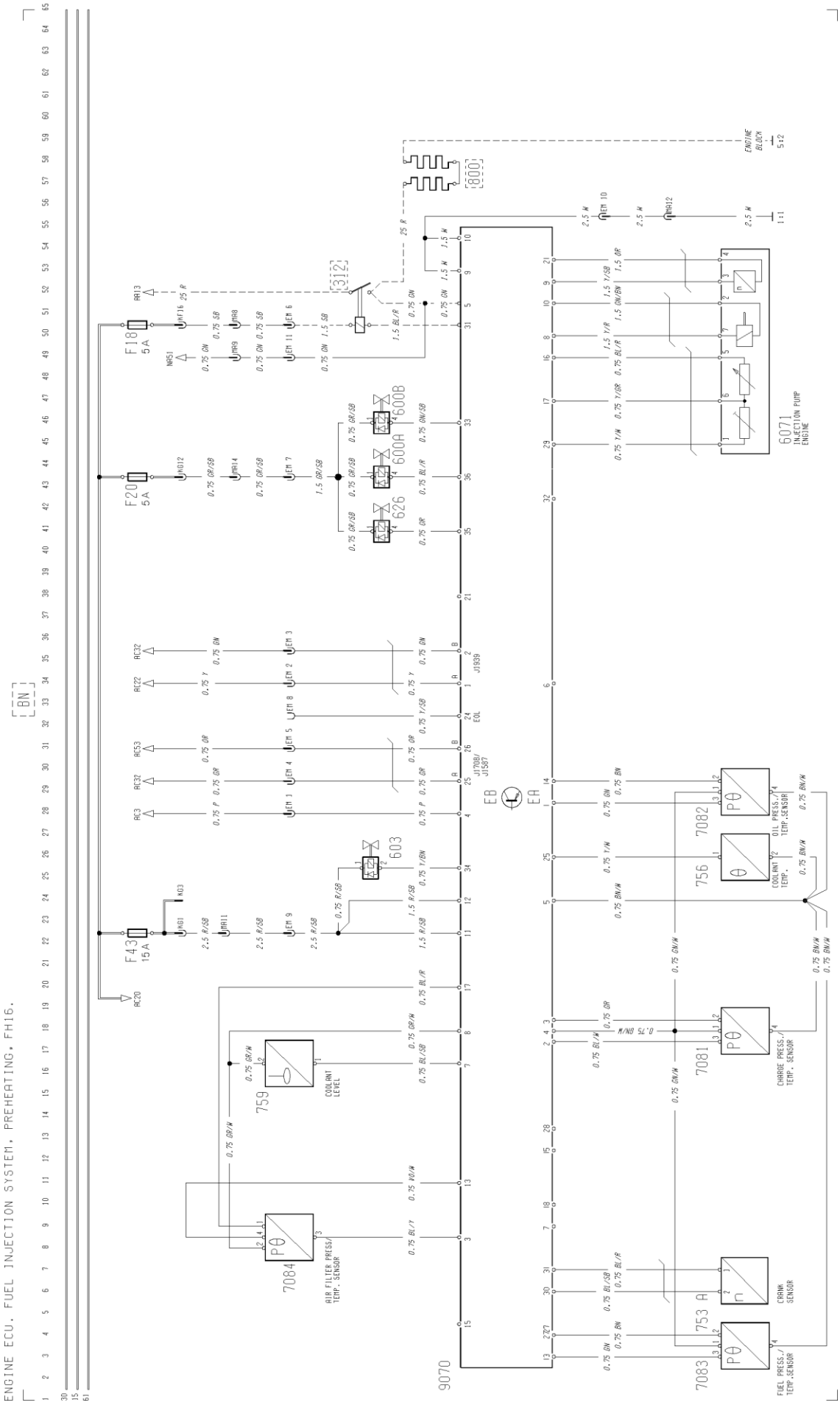
KE SRS, air-bag ..... page 27
KH Central door lock ..... page 27
LD Power take-off ..... page 28
LE Double power take-off ..... page 28
LG Differential lock ..... page 29
MA Bogie lift hydraulic, RADT-AR ..... page 29
MD Bogie lift hydraulic, with axle load limiter, RADT-AR ..... page 30
ME Air suspension, 6x2/6x4/8x2/8x4, SUSPL-EC ..... page 31
MF Air suspension, 4x2, SUSPL-EC ..... page 32
MG Rear air suspension, 4x2, TRACTOR, SUSPL-EC ..... page 33
NA Instrument LHS module ..... page 34
NB Instrument central module with tachograph ..... page 35
NC Instrument RHS module ..... page 36
NZ Instrument central module without tachograph ..... page 37
OA Basic ABS, D-version ..... page 38
OB ABS/ASR, D-version ..... page 39
PA Headlight level control ..... page 40
TA Refrigerator ..... page 40
TB Central lubrication system ..... page 40
XA Extra fuses, key switch relay ..... page 41
ZA Earth connections ..... page 42
ZB Earth connections ..... page 43

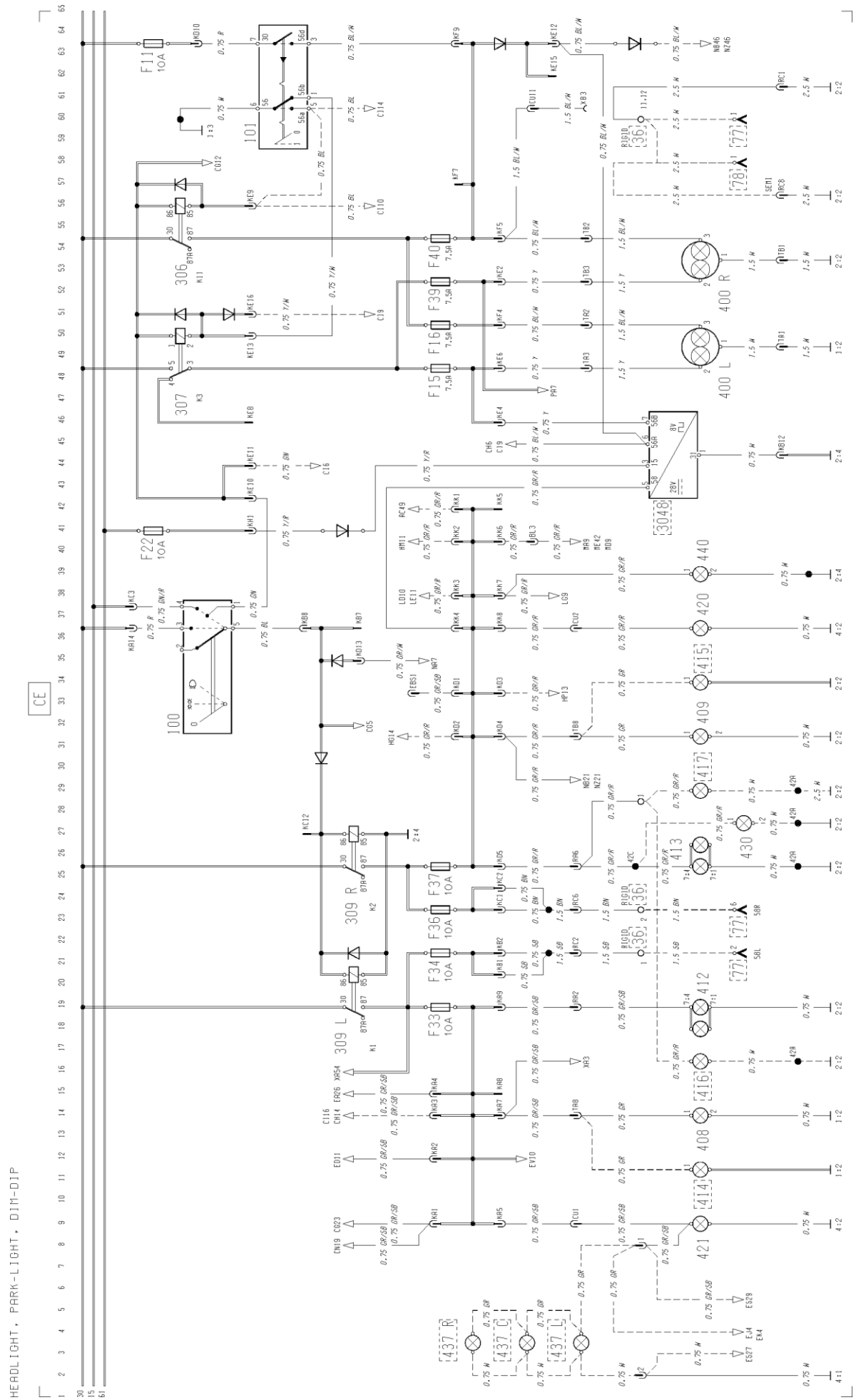
Component wiring diagrams

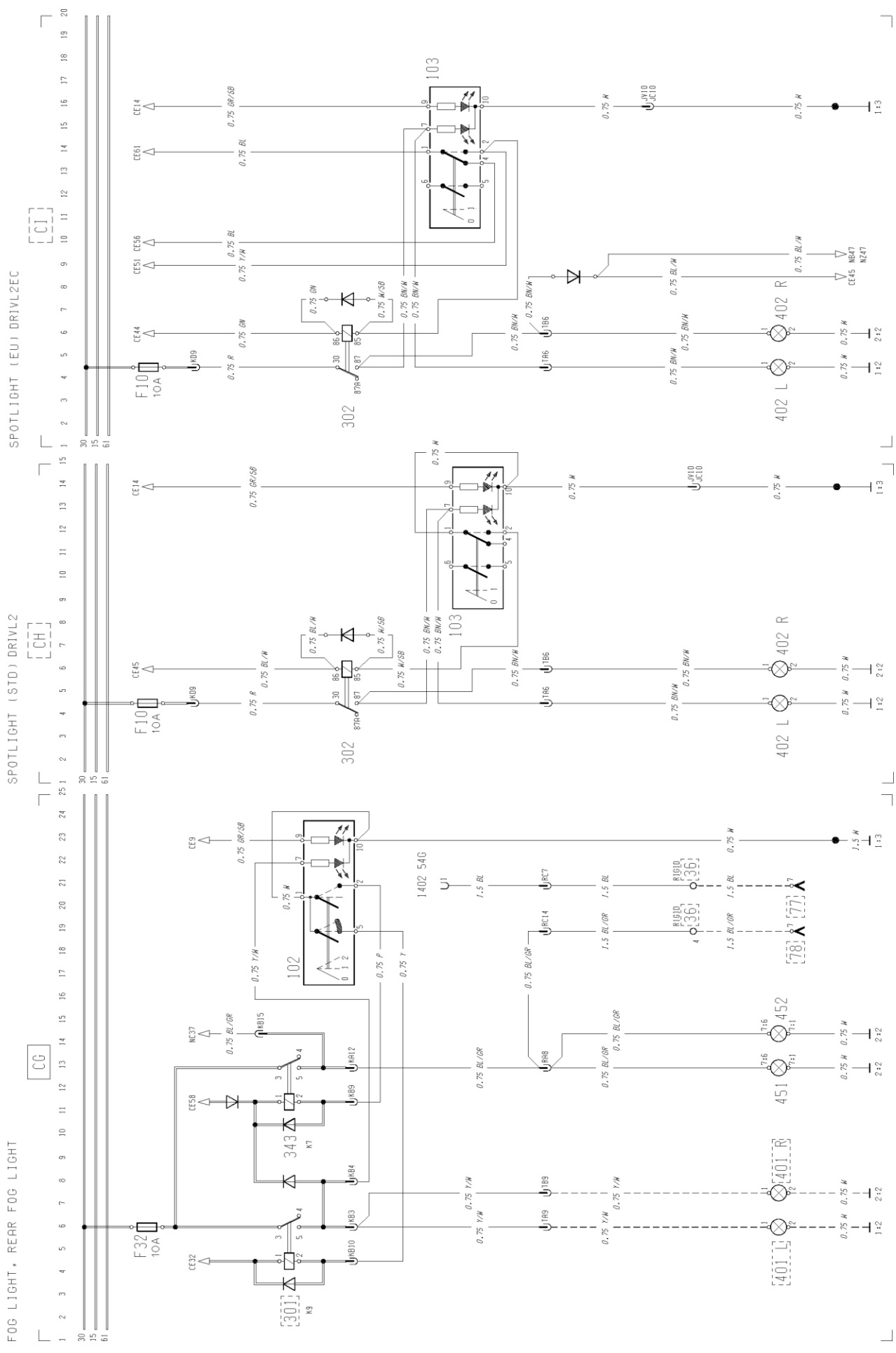



VEHICLE ECU.
AC
CRUISE CONTROL
1135
ACCELERATOR PEDAL
7065
CLUTCH SWITCH
2007
BRAKE SWITCH
2008
EXHAUST BRAKE SWITCH
1125
7065 A
379
K5
F19 5A
F2 5A
3109
6050
2074
6147
6103
9074
J1939
9029
754
218
1122
1135
DIAGNOS OUTLET
AIR SUSP. RESERVOIR PRESS.
ENGINE SPEED LIMIT
ENGINE SHUT DOWN
DUAL SPEED
PTO MODE1
PTO MODE2
PTO MODE3
A-LINE
B-LINE

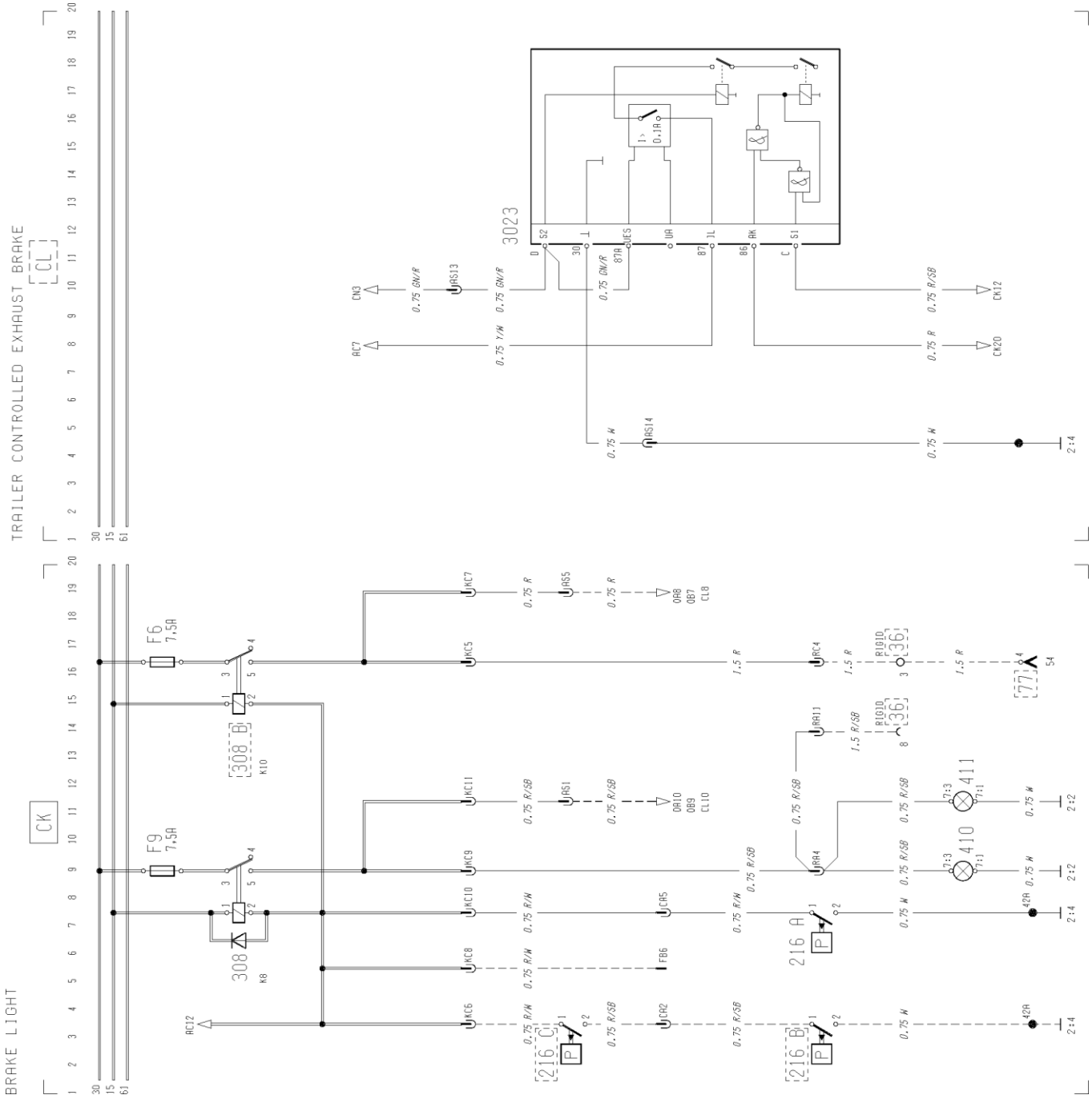

ENGINE ECU. FUEL INJECTION SYSTEM, PREHEATING, FH12.
F18 5A
F20 5A
F43 15A
626
5312
6008
6072
UNIT INJECTORS 12-LITRE ENGINE
VCB
EB
EA
9070
7084
AIRFILTER PRESS/ TEMP.SENSOR
759
COOLANT LEVEL
7083
FUEL PRESS/ TEMP.SENSOR
753 A
CRANK SENSOR
753 B
CAM SENSOR
7081
CHARGE PRESS/ TEMP.SENSOR
756
COOLANT TEMP.
7082
OIL PRESS/ TEMP.SENSOR

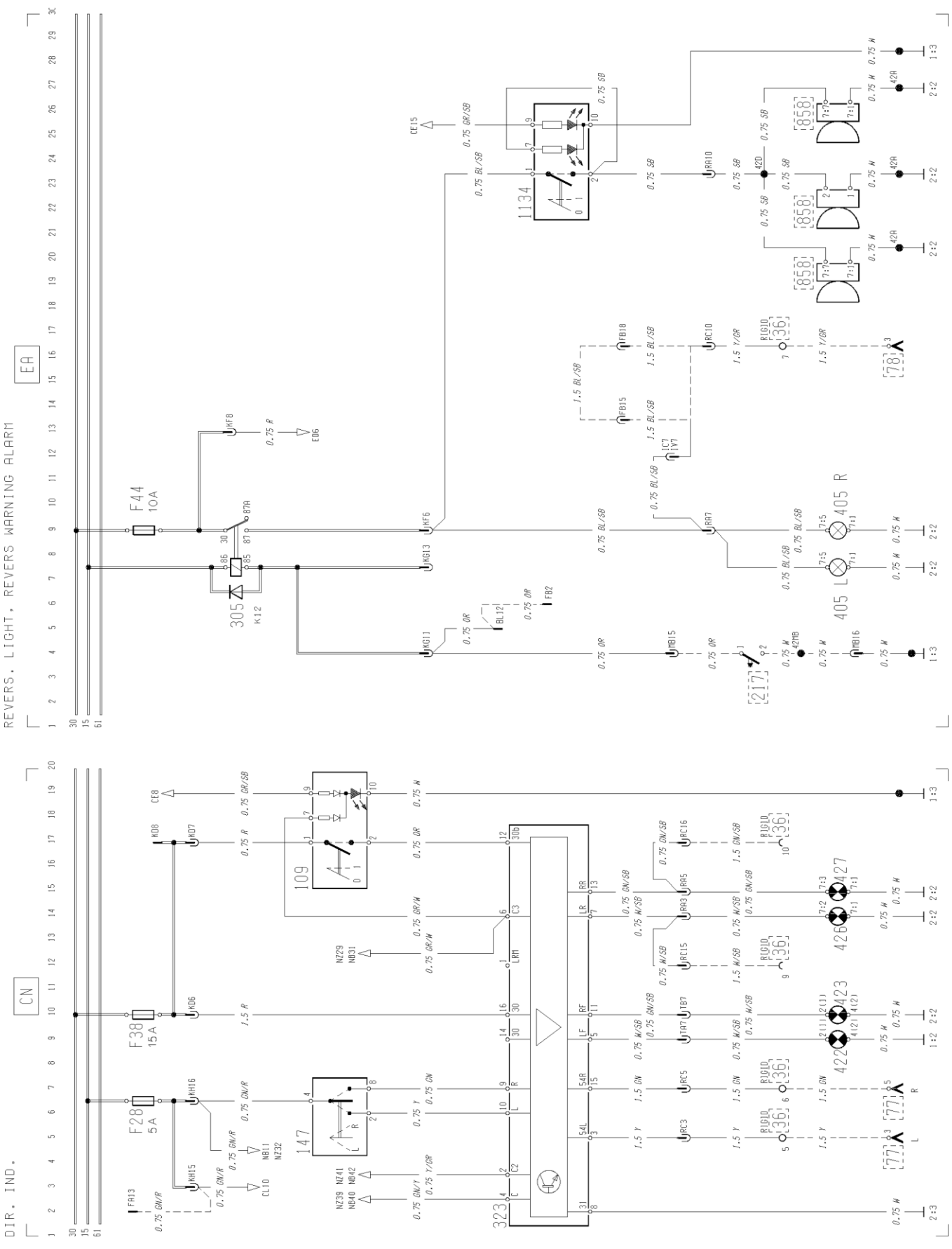

ENGINE ECU. FUEL INJECTION SYSTEM. PREHEATING. FH16.
F18 5A
F20 5A
F43 15A
626
600A
600B
603
5312
6071
INJECTION PUMP ENGINE
759
COOLANT LEVEL
7084
AIR FILTER PRESS./ TEMP. SENSOR
756
COOLANT TEMP.
7082
OIL PRESS./ TEMP.SENSOR
7081
CHARGE PRESS./ TEMP. SENSOR
753 A
CRANK SENSOR
7083
FUEL PRESS./ TEMP.SENSOR
9070
EB
EA
J1708/ J1587
J1939
EOL
ENGINE BLOCK

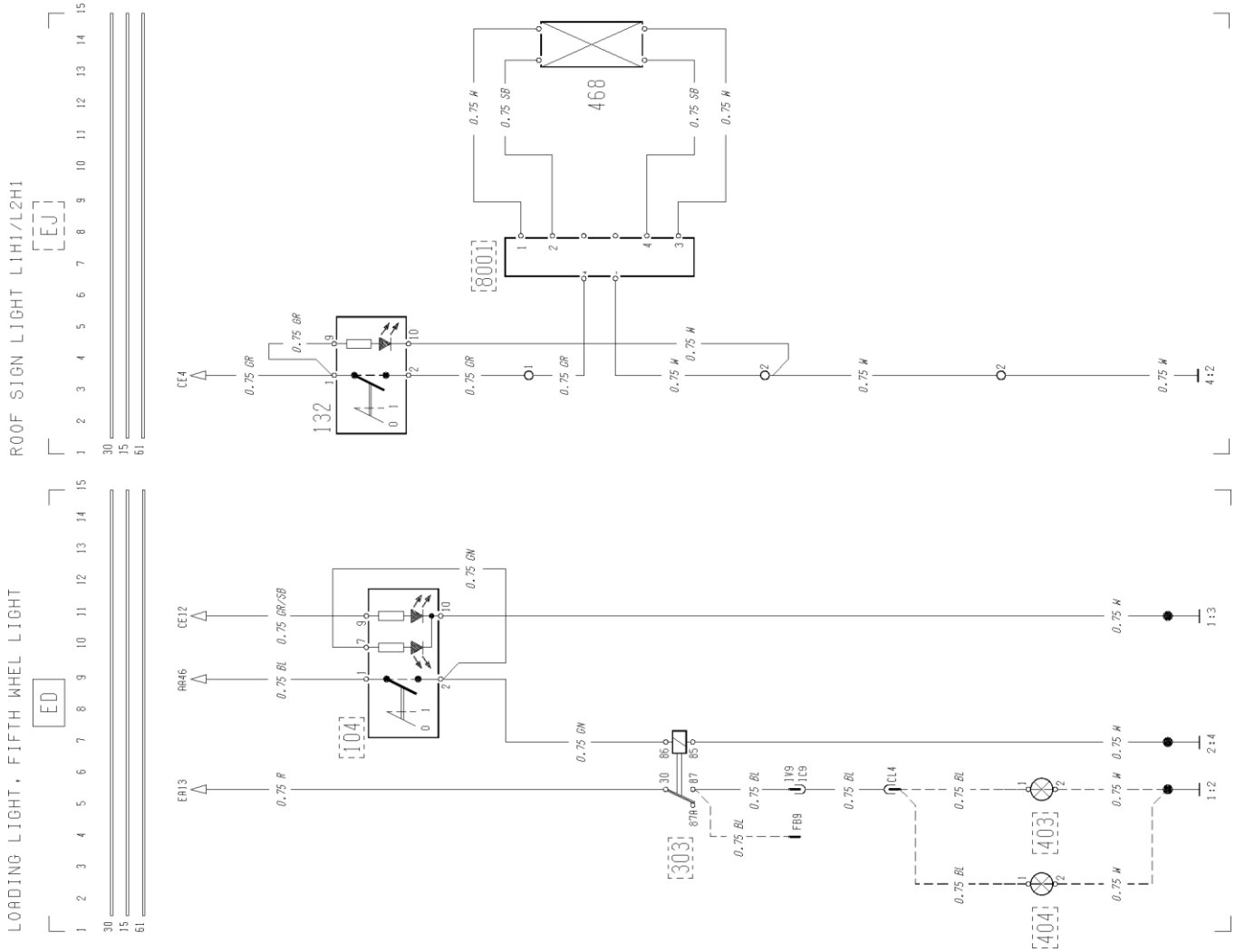

HEADLIGHT, PARK-LIGHT, DIM-DIP
CE
F11 10A
F22 10A
F34 10A
F36 10A
F37 10A
F33 10A
F15 7,5A
F16 7,5A
F39 7,5A
F40 7,5A
100
101
306
307
309 R
309 L
400 R
400 L
440
420
415
409
417
430
413
412
416
408
414
421
437 R
437 C
437 L
28V

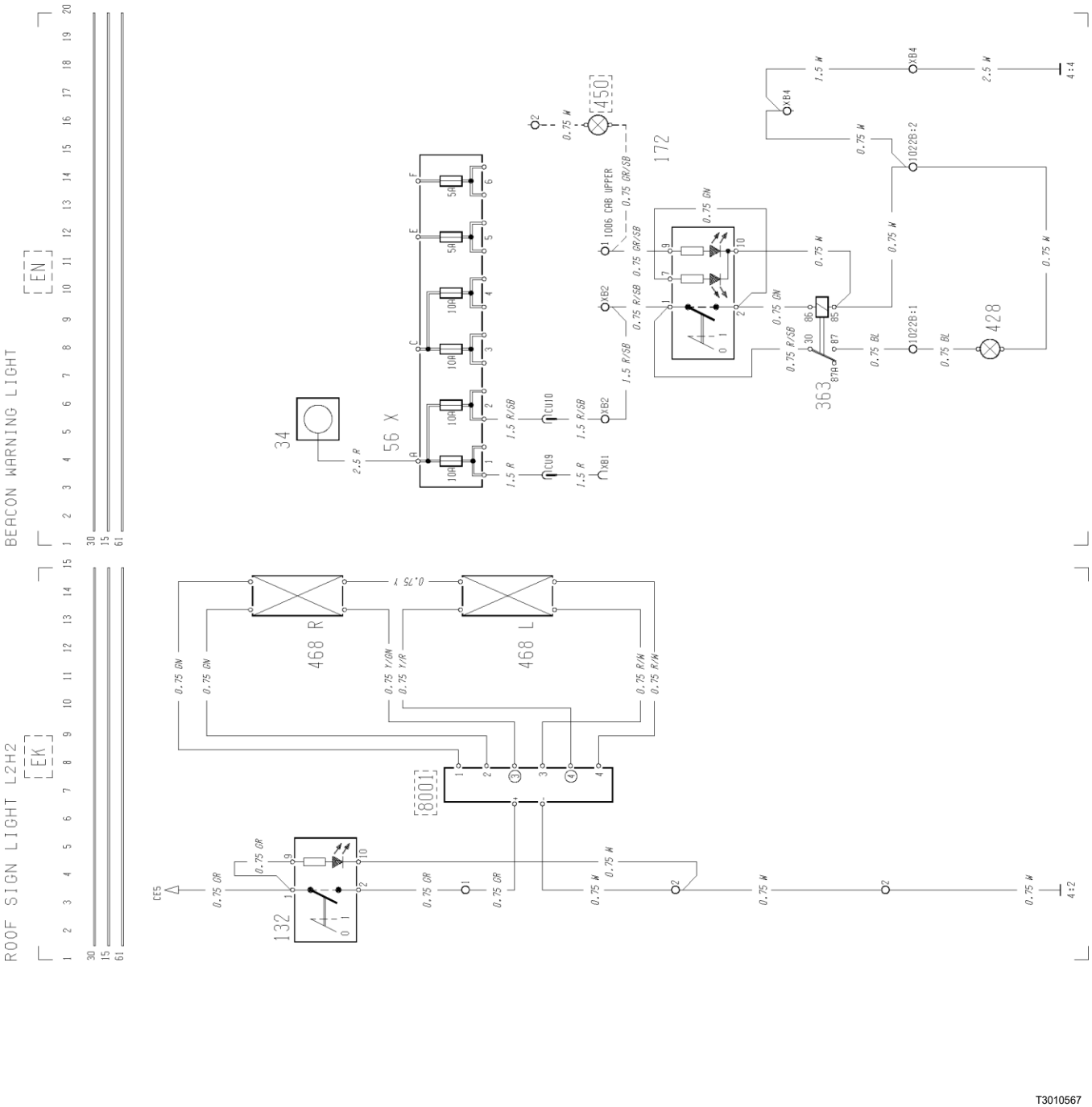

SPOTLIGHT (EU) DRIVL2EC
SPOTLIGHT (STD) DRIVL2
FOG LIGHT, REAR FOG LIGHT
F10 10A
F32 10A
302
103
102
343
451
452
402 L
402 R
401 L
401 R
1402 54G
0.75 GR/SB
0.75 BL
0.75 BL/W
0.75 Y/W
0.75 GN
0.75 R
0.75 W/SB
0.75 BN/W
0.75 W
0.75 P
0.75 T
0.75 BL/OR
0.75 Y/R
1.5 BL
1.5 BL/OR
1.5 W

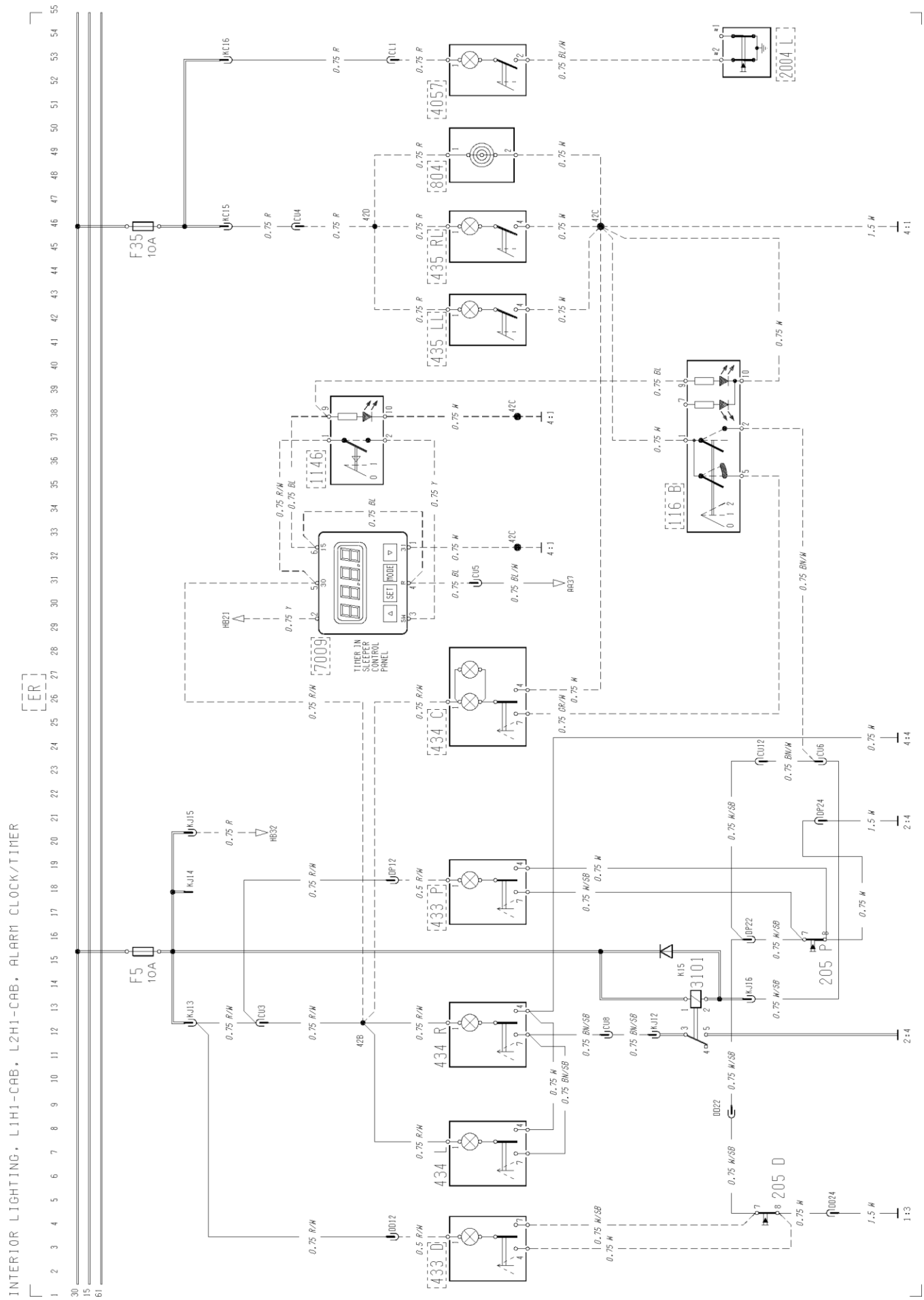
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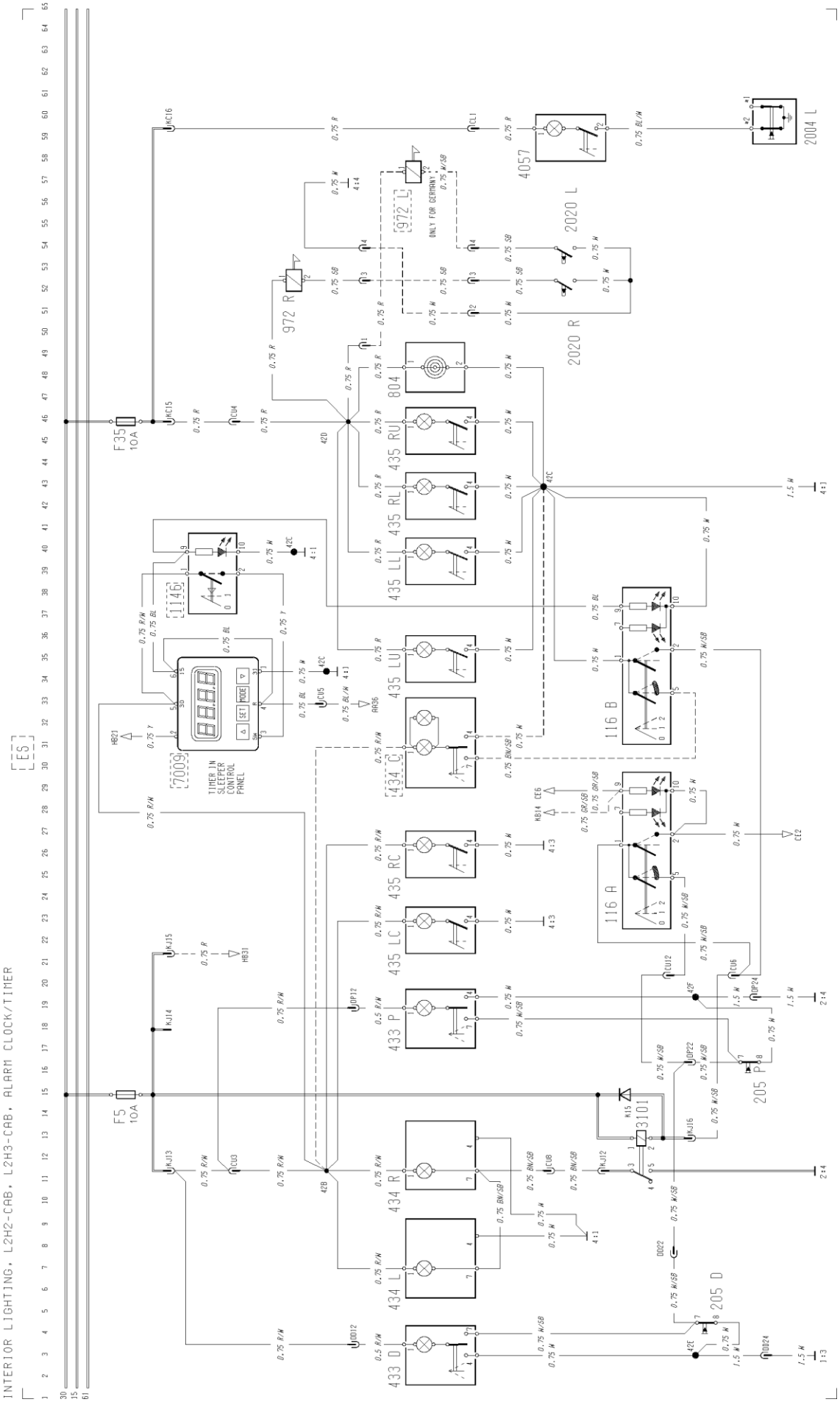


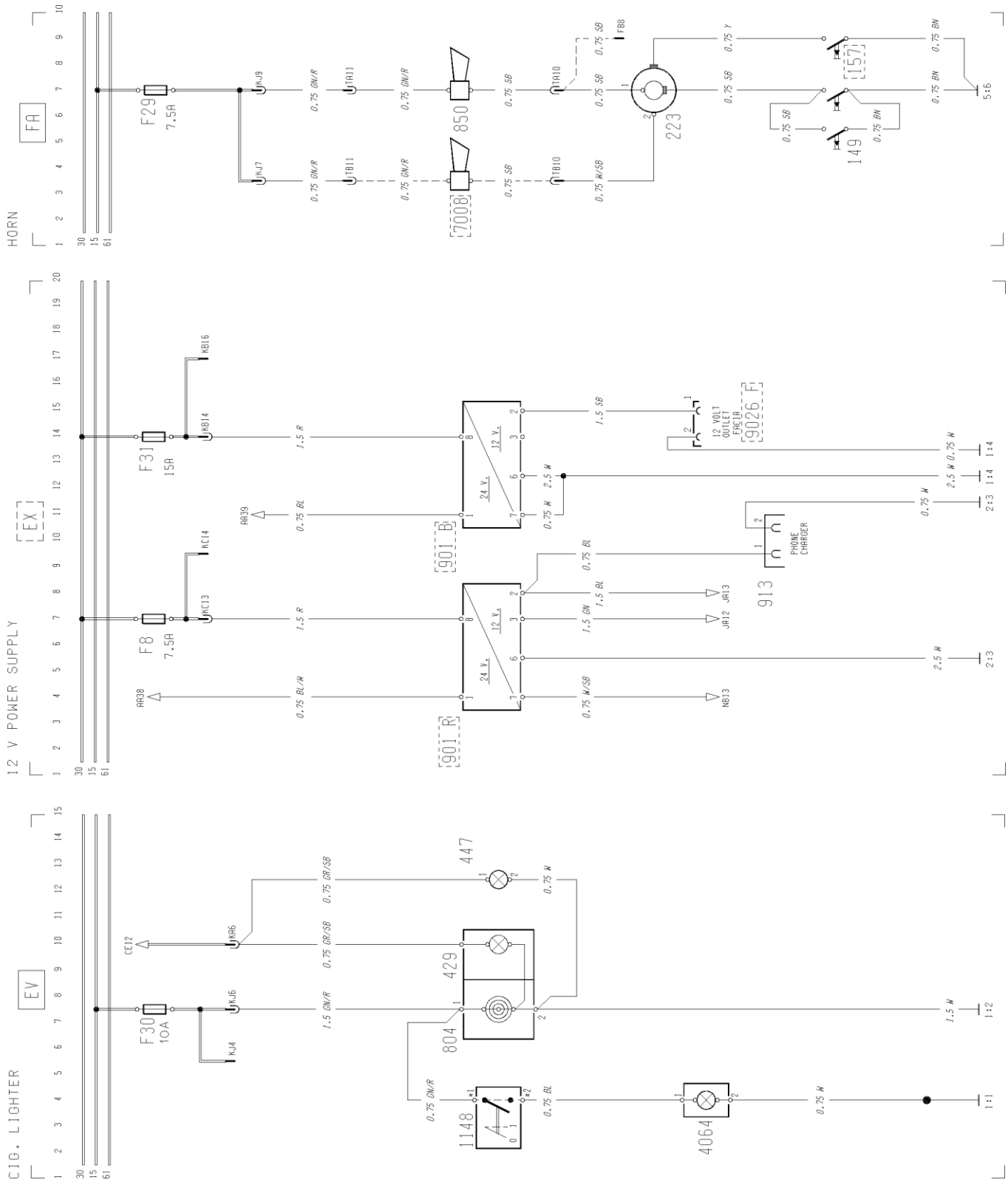

REVERS. LIGHT, REVERS WARNING ALARM
EA
DIR. IND.
CN
F44
10A
F38
15A
F28
5A
305
K12
109
147
323
1134
405 R
405 L
426
427
422
423
T3010565

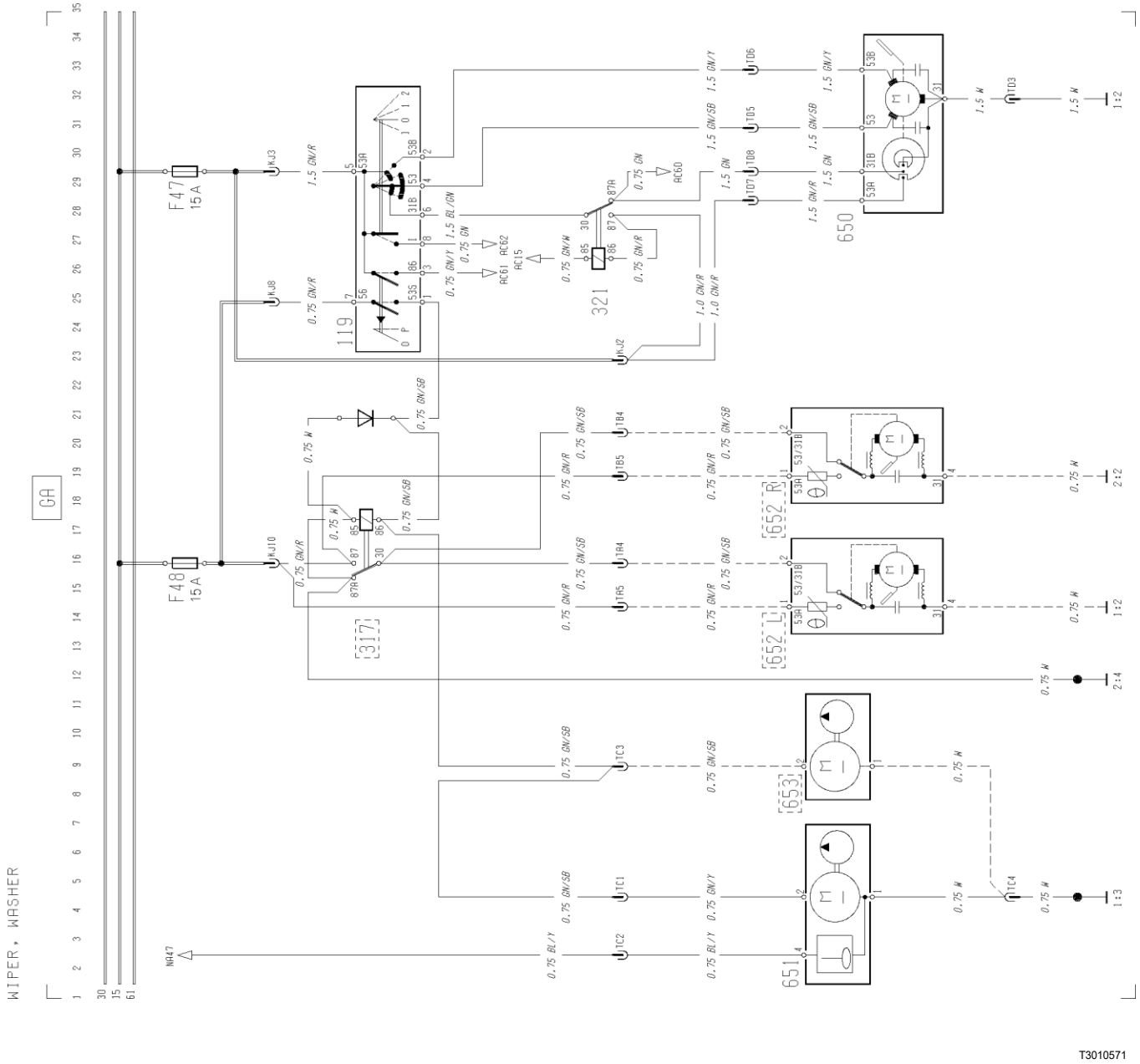

ROOF SIGN LIGHT L1H1/L2H1
LOADING LIGHT, FIFTH WHEL LIGHT
T3010566


BEACON WARNING LIGHT
EN
ROOF SIGN LIGHT L2H2
EK
34
56 X
468 R
468 L
180001
132
172
363
428
4450
1006 CAB UPPER
1022B:1
1022B:2
XB1
XB2
XB4
T3010567

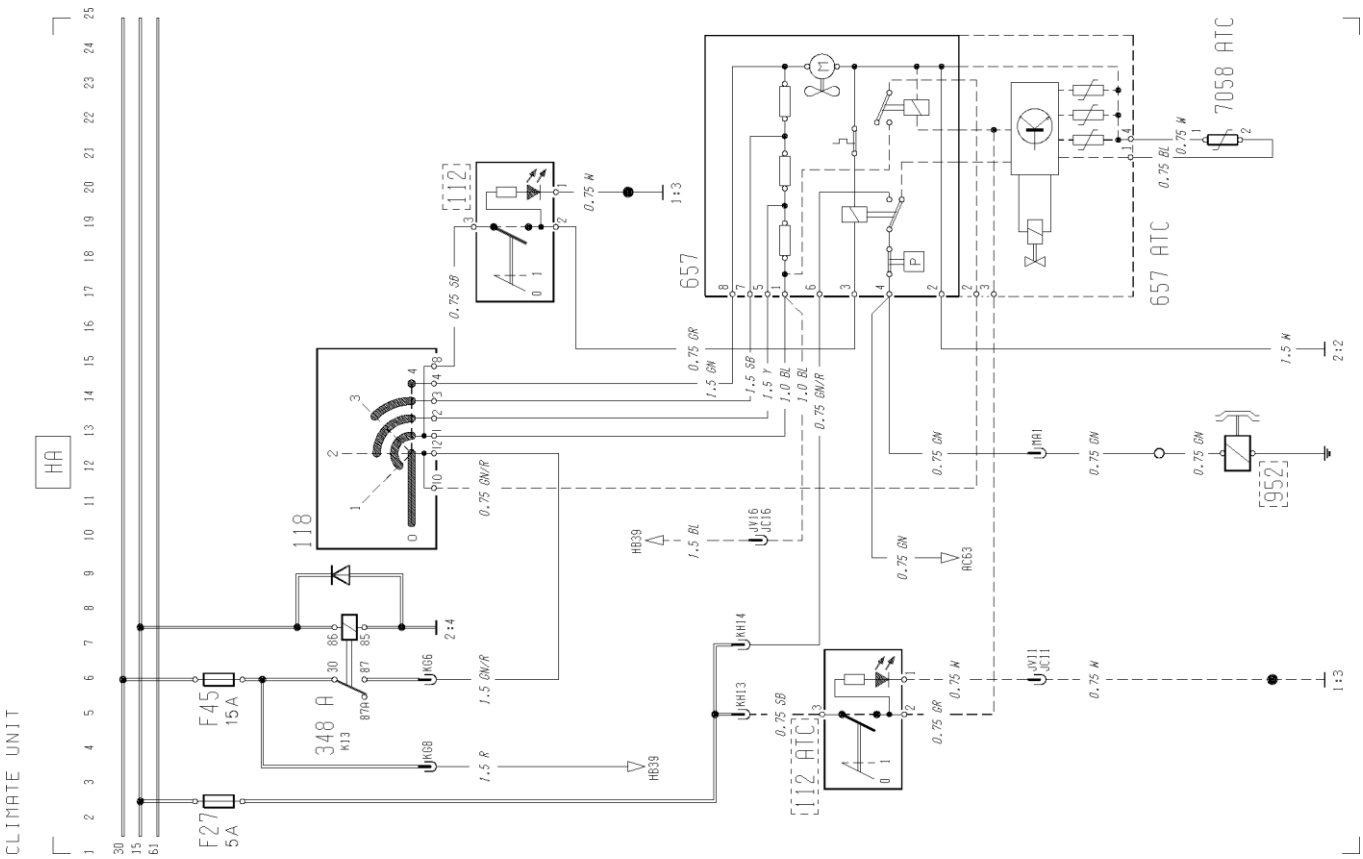

INTERIOR LIGHTING, L1H1-CAB, L2H1-CAB, ALARM CLOCK/TIMER
F35 10A
F5 10A
4057
8041
4351 R
4351 L
1146
1160
7009
TIMER IN SLEEPER CONTROL PANEL
4341 C
4331 P
4341 R
4341 L
4331 D
2004 L
205 P
205 D
3101
K15


INTERIOR LIGHTING, L2H2-CAB, L2H3-CAB, ALARM CLOCK/TIMER
E61
TIMER IN SLEEPER CONTROL PANEL
ONLY FOR GERMANY
F35 10A
F5 10A
2004 L
4057
2020 L
2020 R
972 R
972 L
804
435 RU
435 RL
435 LL
435 LU
434 C
116 B
116 A
435 RC
435 LC
433 P
434 R
434 L
433 D
205 P
205 D
3101

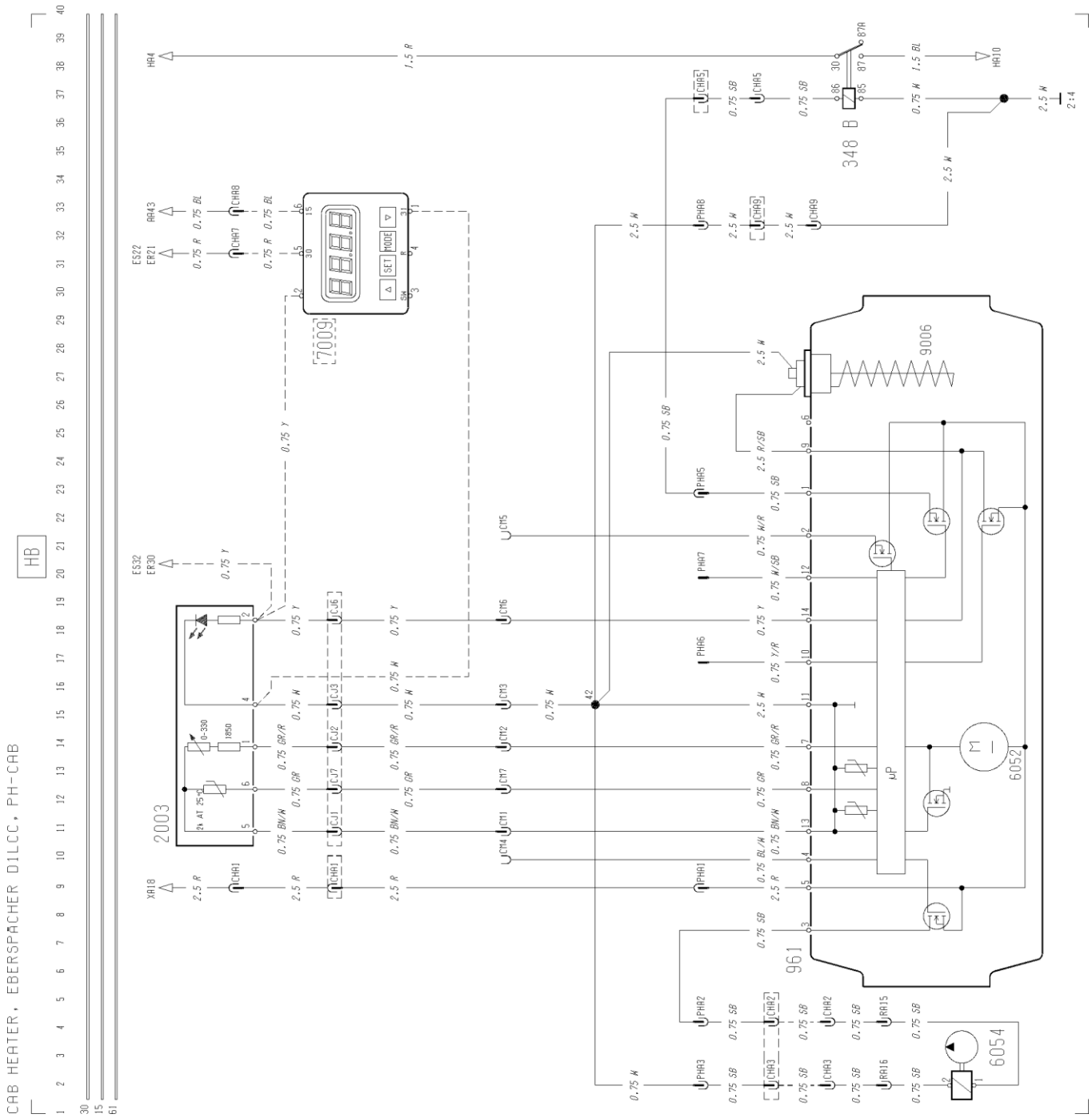

HORN
FA
F29
7.5A
850
7008
223
157
149
5:6
12 V POWER SUPPLY
EX
F31
15A
F8
7.5A
12 V.
24 V.
9026_F
12 VOLT OUTLET FACTA
913
PHONE CHARGER
9011_B
9011_R
CIG. LIGHTER
EV
F30
10A
447
429
804
1148
4064
T3010570


WIPER, WASHER
GA
F47
15A
F48
15A
119
321
650
651
652_R
652_L
653
317
T3010571

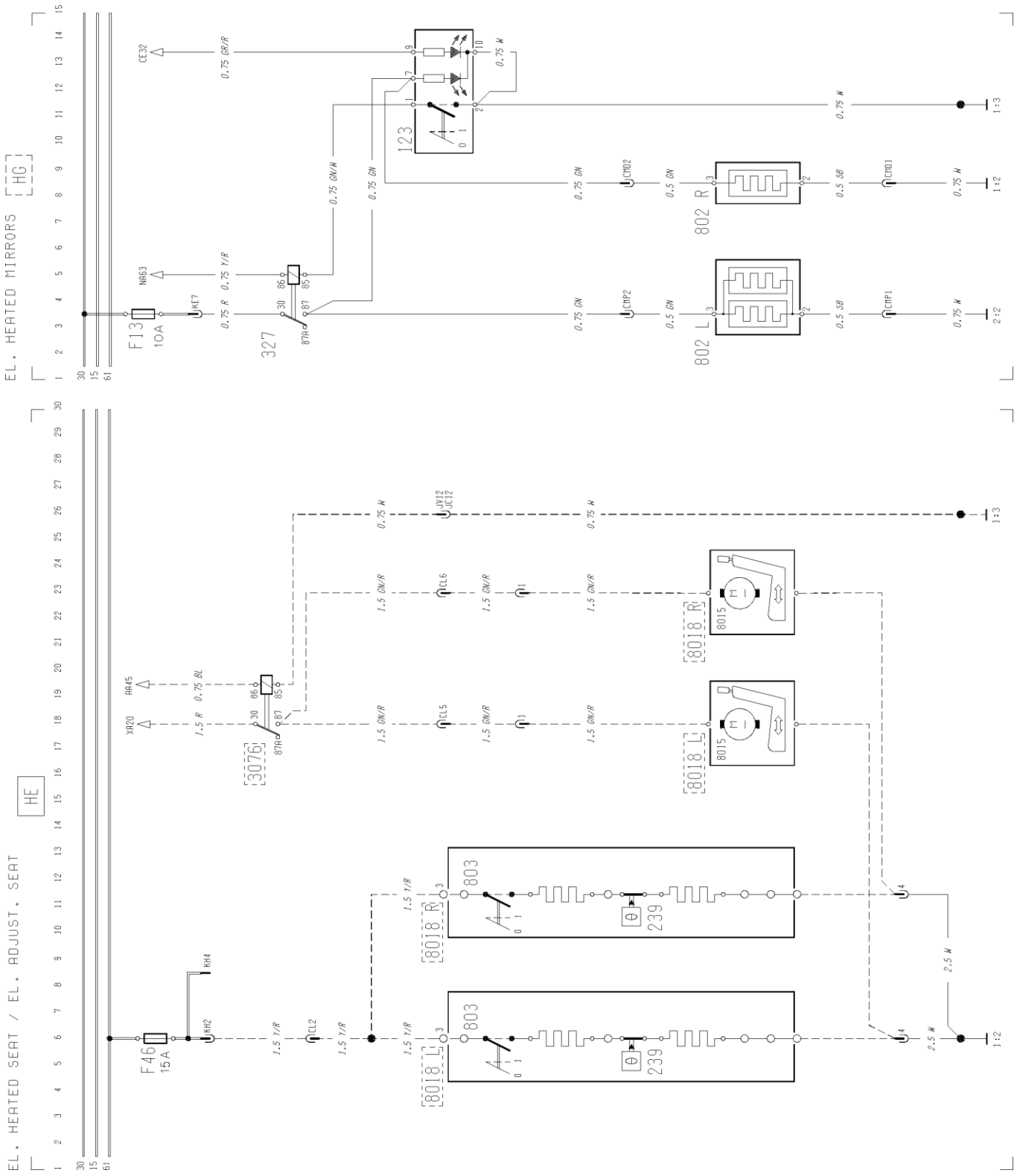
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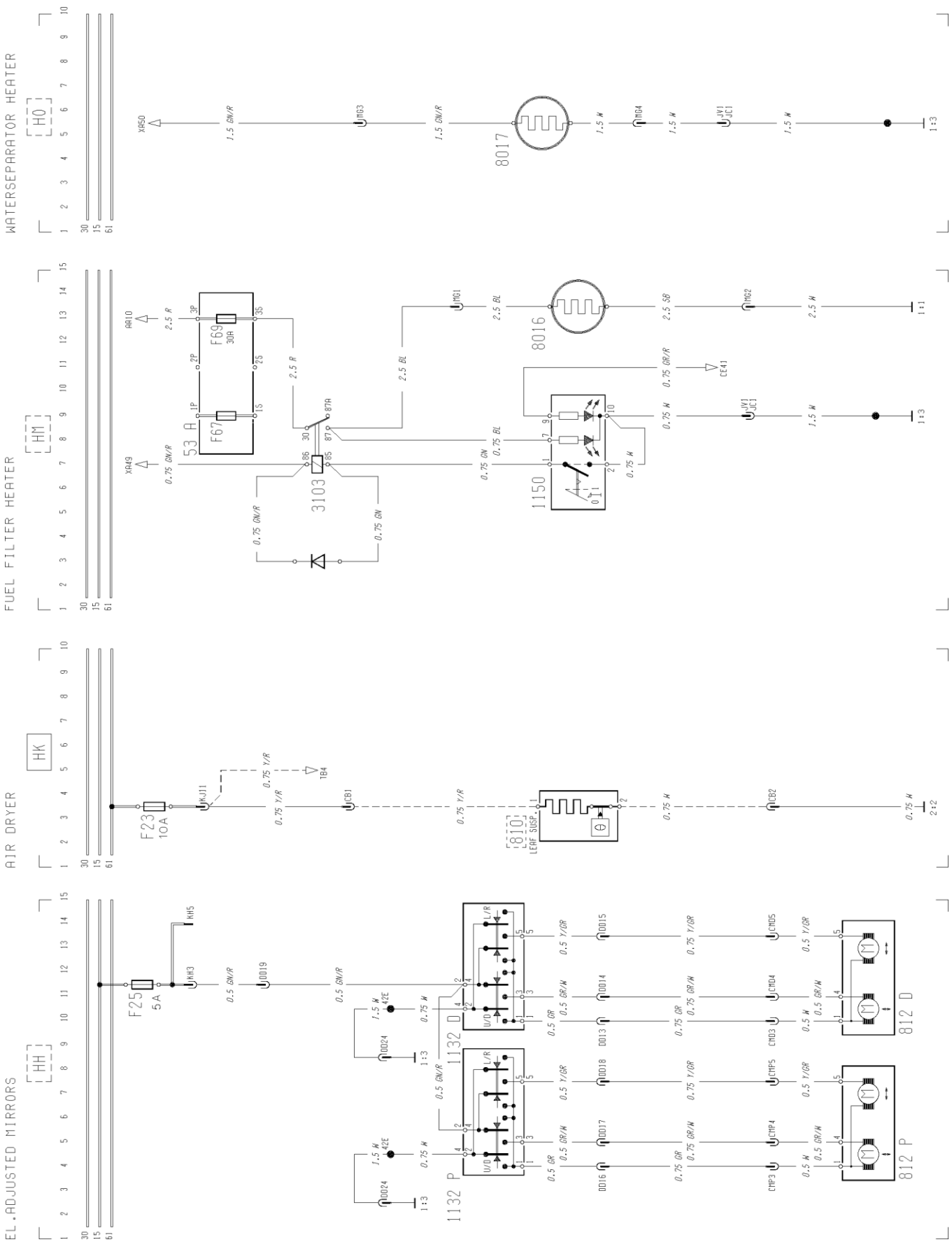
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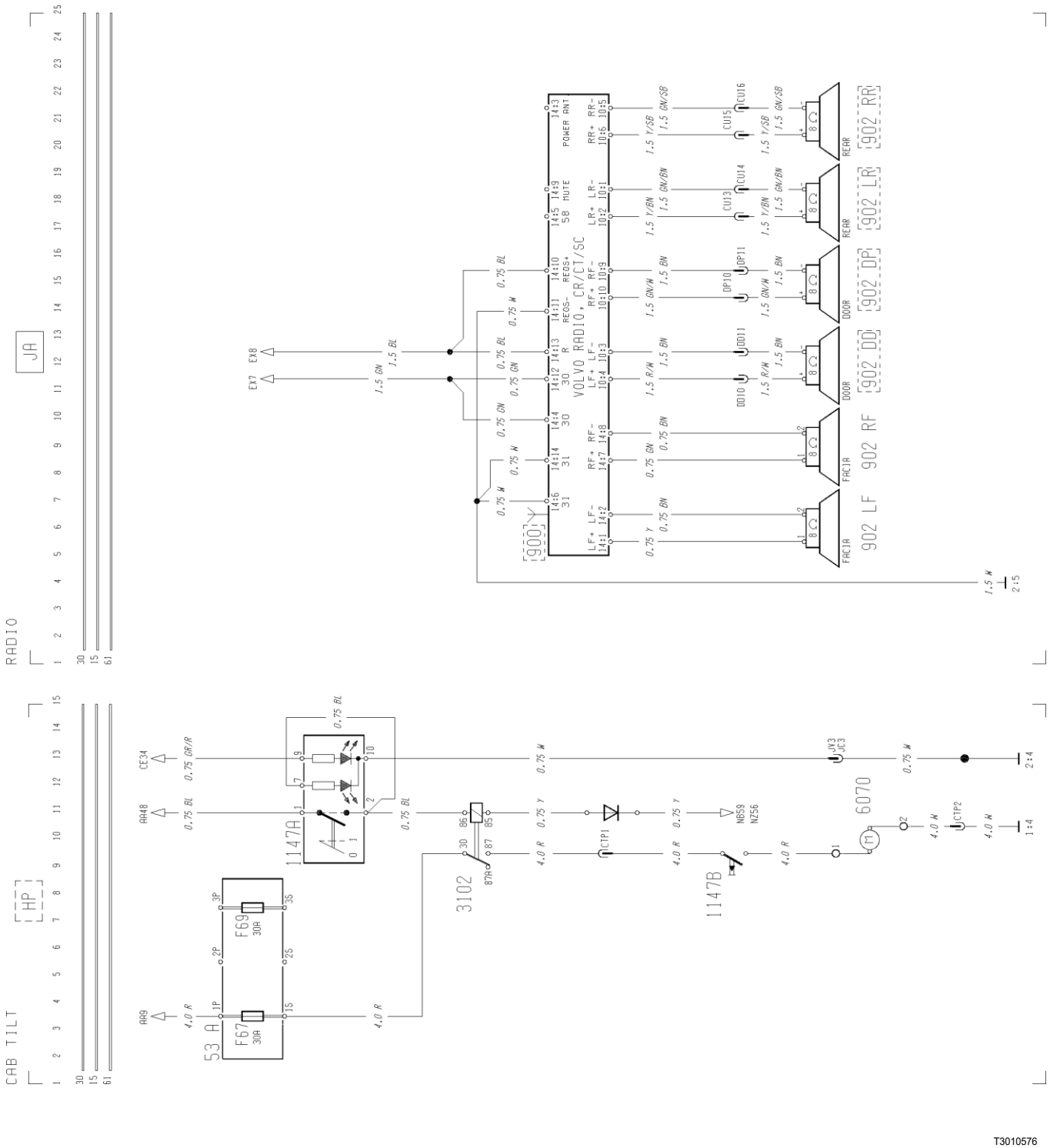

CAB HEATER, EBERSPÄCHER D1LCC, PH-CAB
HB
2003
7009
9006
6052
6054
961
348 B
μP
T3010573

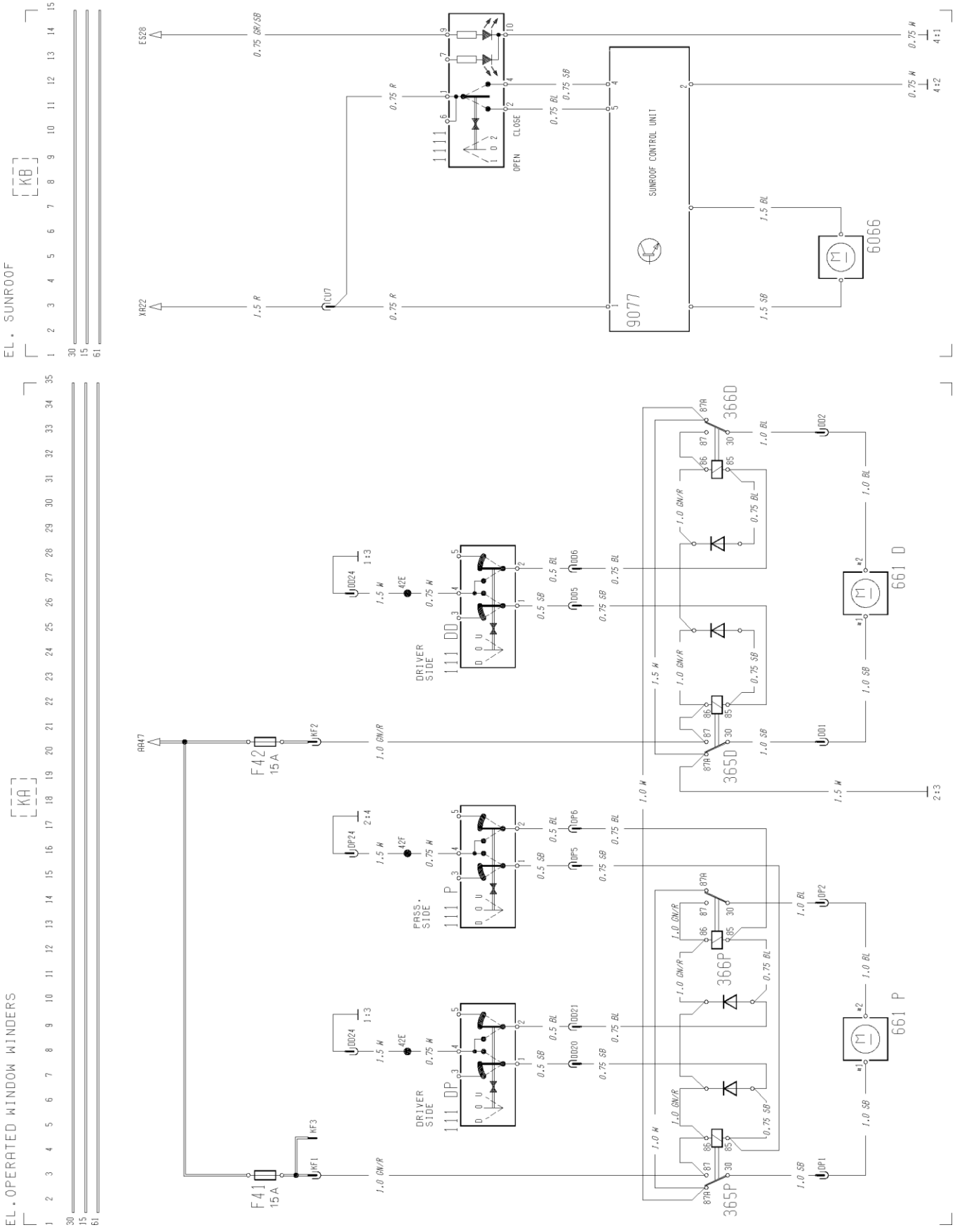
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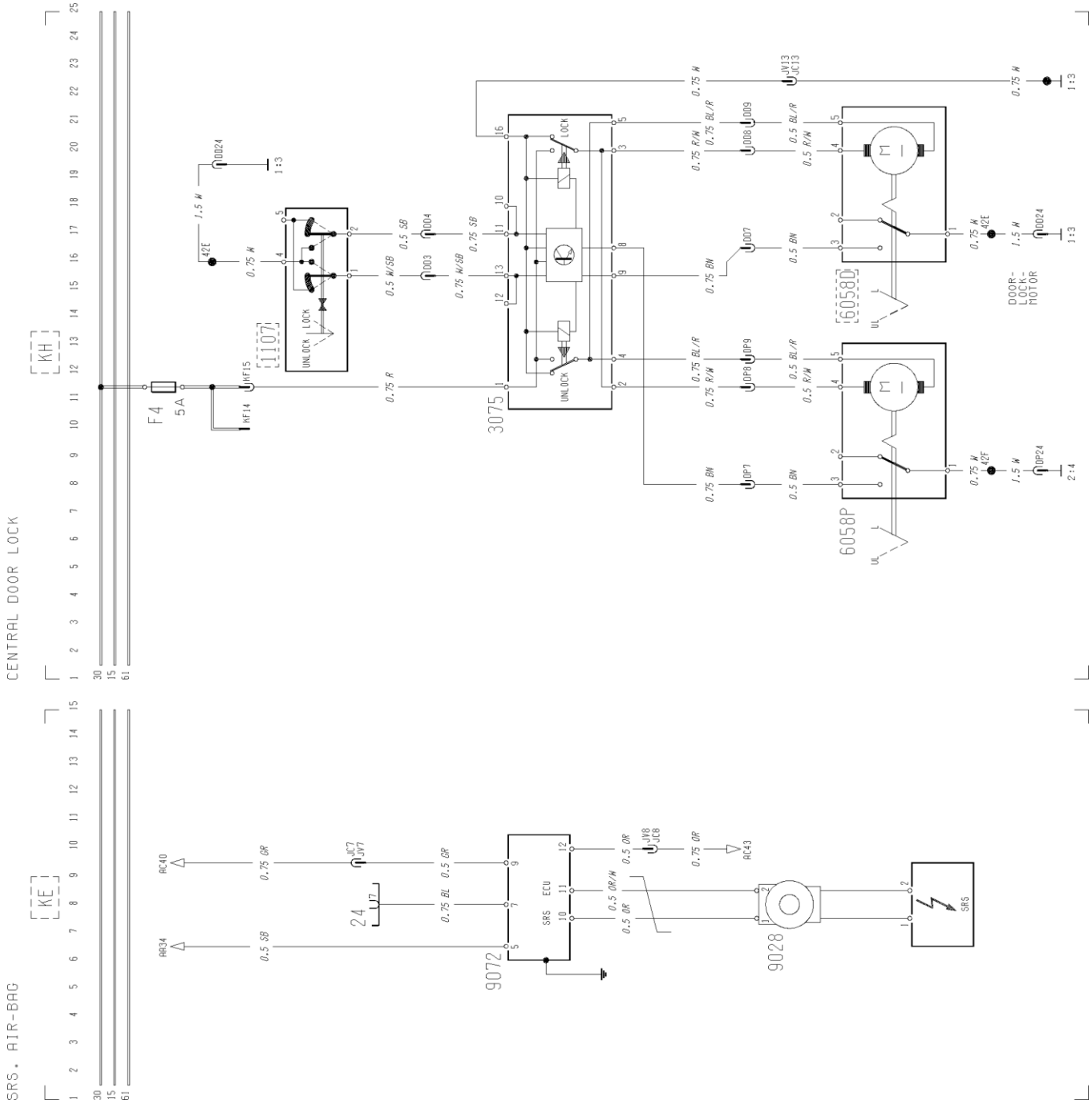
T3010574


WATERSEPARATOR HEATER
FUEL FILTER HEATER
AIR DRYER
EL.ADJUSTED MIRRORS
T3010575

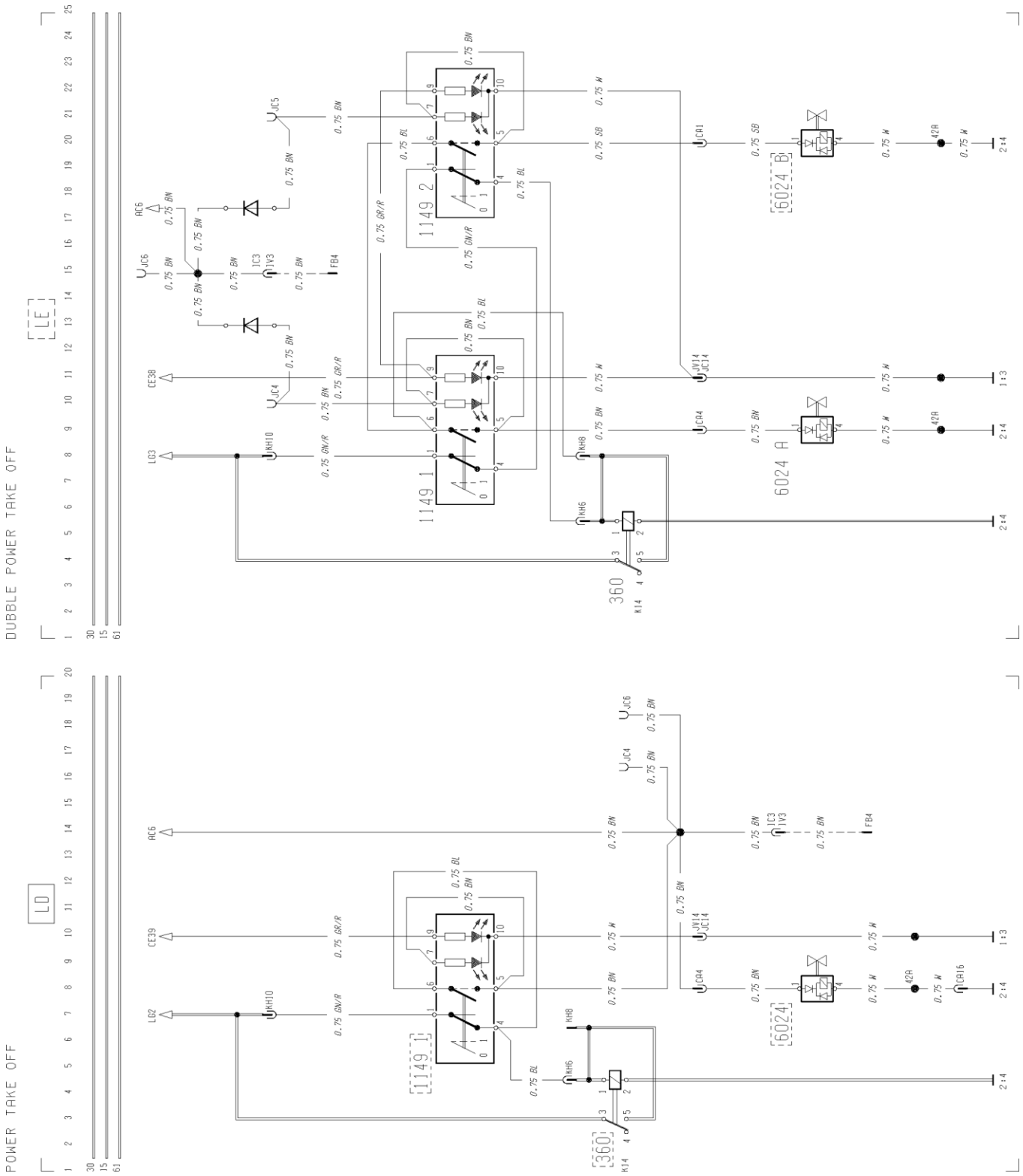

RADIO
JA
CAB TILT
HP
VOLVO RADIO, CR/CT/SC
902 LF
902 RF
902 DD
902 DP
902 LR
902 RR
FACIA
DOOR
REAR
POWER ANT
MUTE
53 A
F67
F69
30A
1147A
1147B
3102
6070
CTP1
CTP2
NB59
NZ56
T3010576


EL. SUNROOF
EL. OPERATED WINDOW WINDERS
SUNROOF CONTROL UNIT
DRIVER SIDE
PASS. SIDE
OPEN
CLOSE
F41 15A
F42 15A
T3010577

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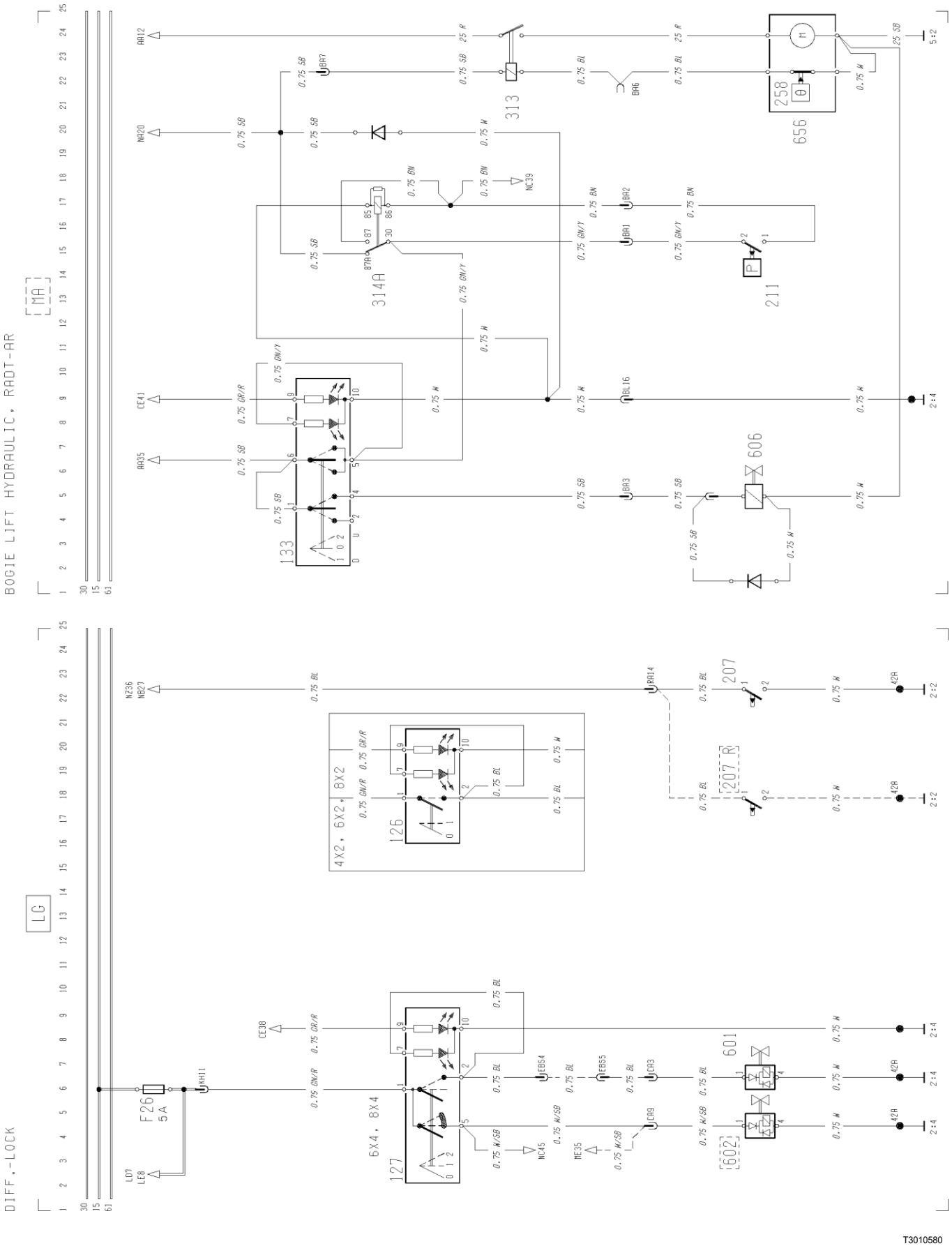


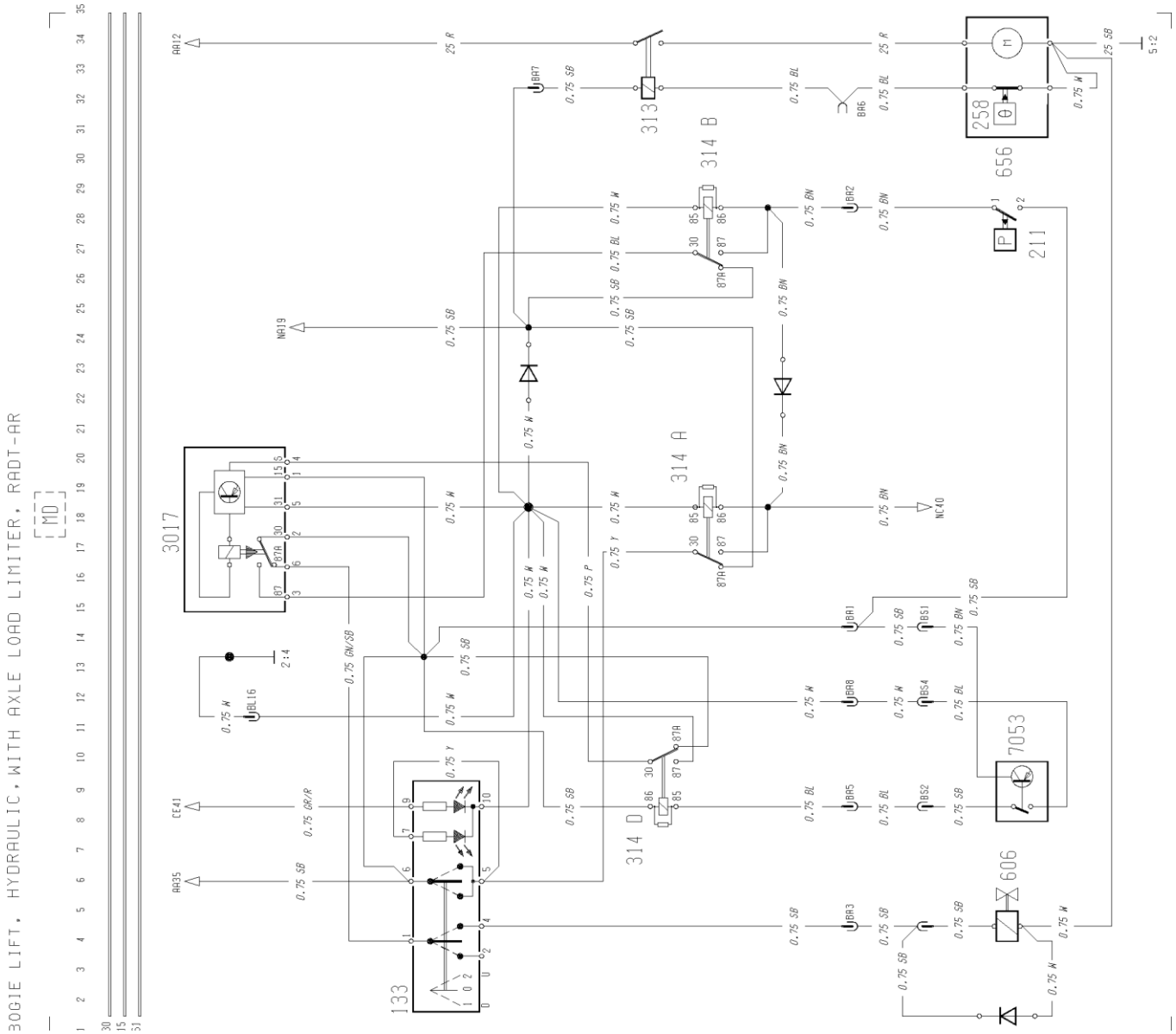
T3010578

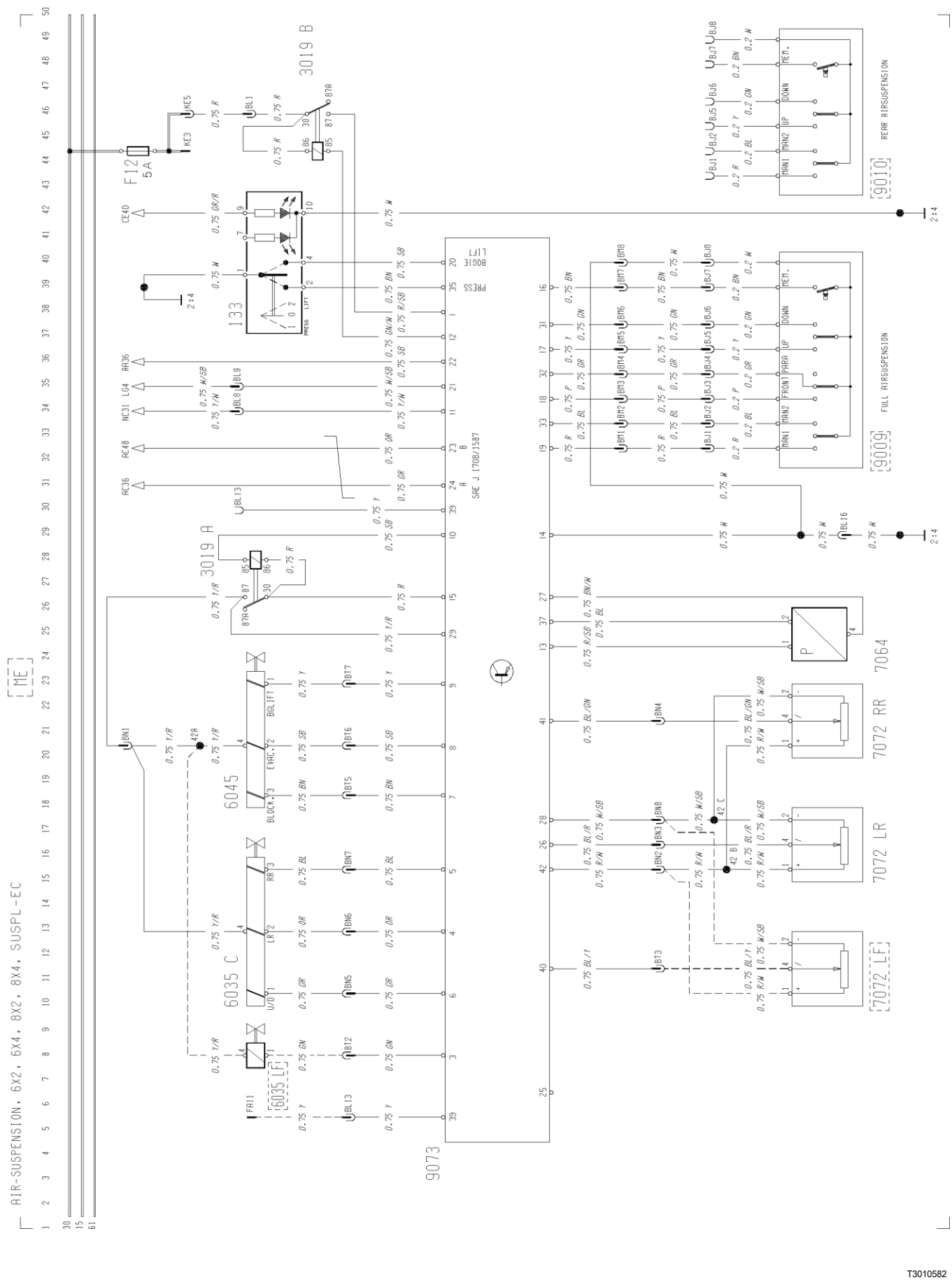

DUBBLE POWER TAKE OFF
POWER TAKE OFF
LE
LD
6024 A
6024 B
1149 1
1149 2
360
HC6
JC6
JC5
JC4
JC3
1V3
FB4
CE38
CE39
LG3
LG2
KH10
KH8
KH6
JV14
JC14
JCR4
JCH1
JCH16
42R
0.75 BN
0.75 BL
0.75 GR/R
0.75 GN/R
0.75 W
0.75 SB

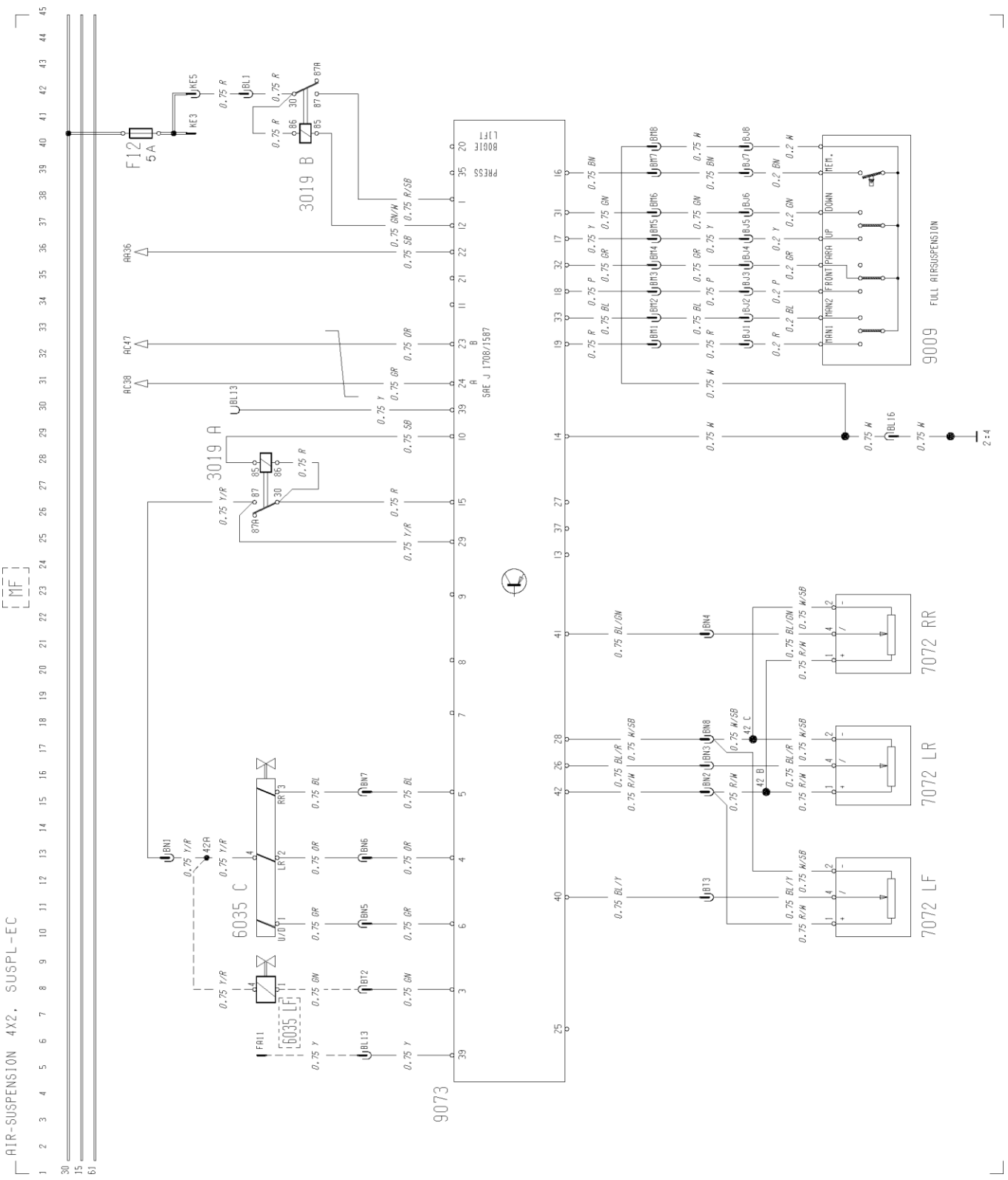
T3010579

https://truckmanualshub.com/

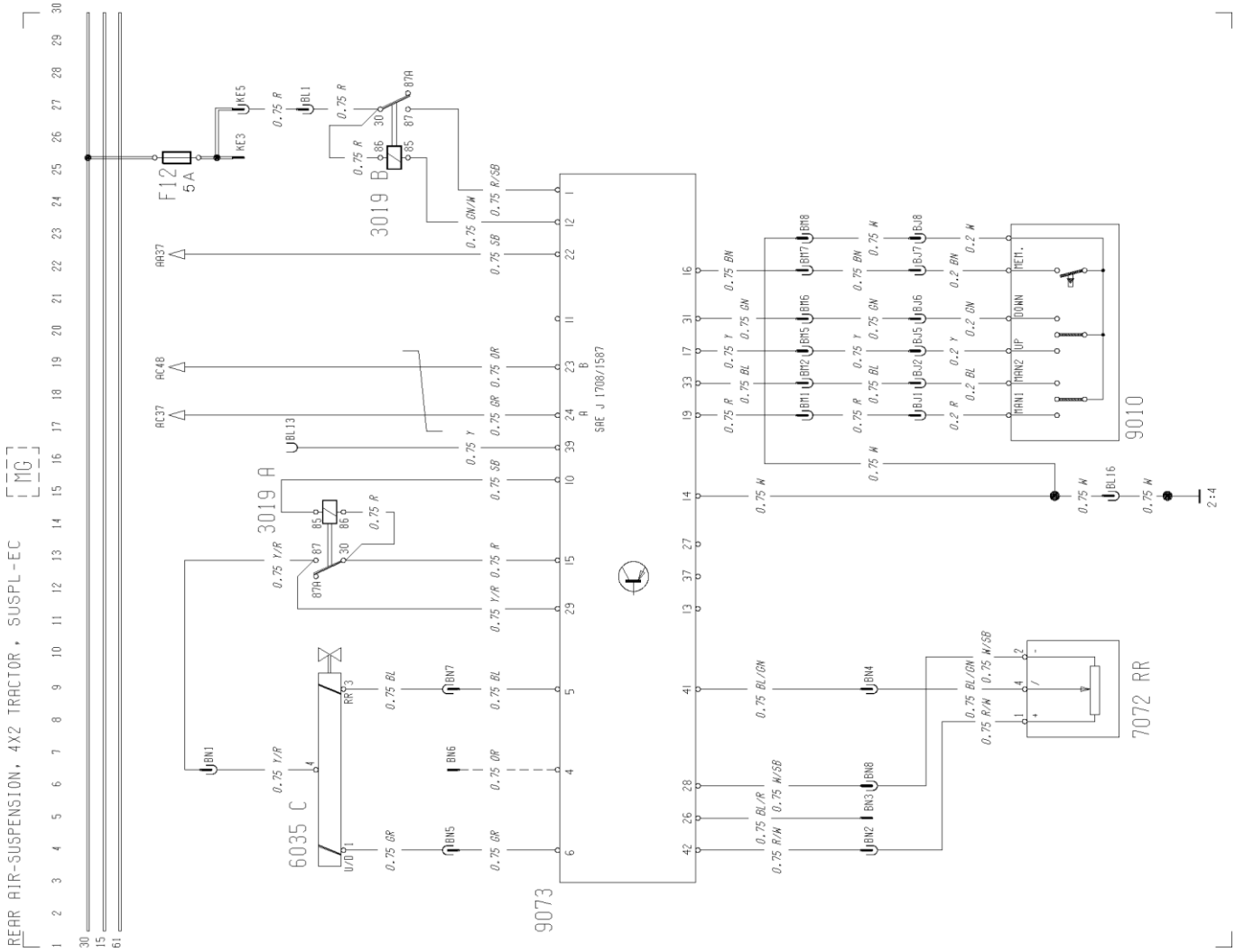


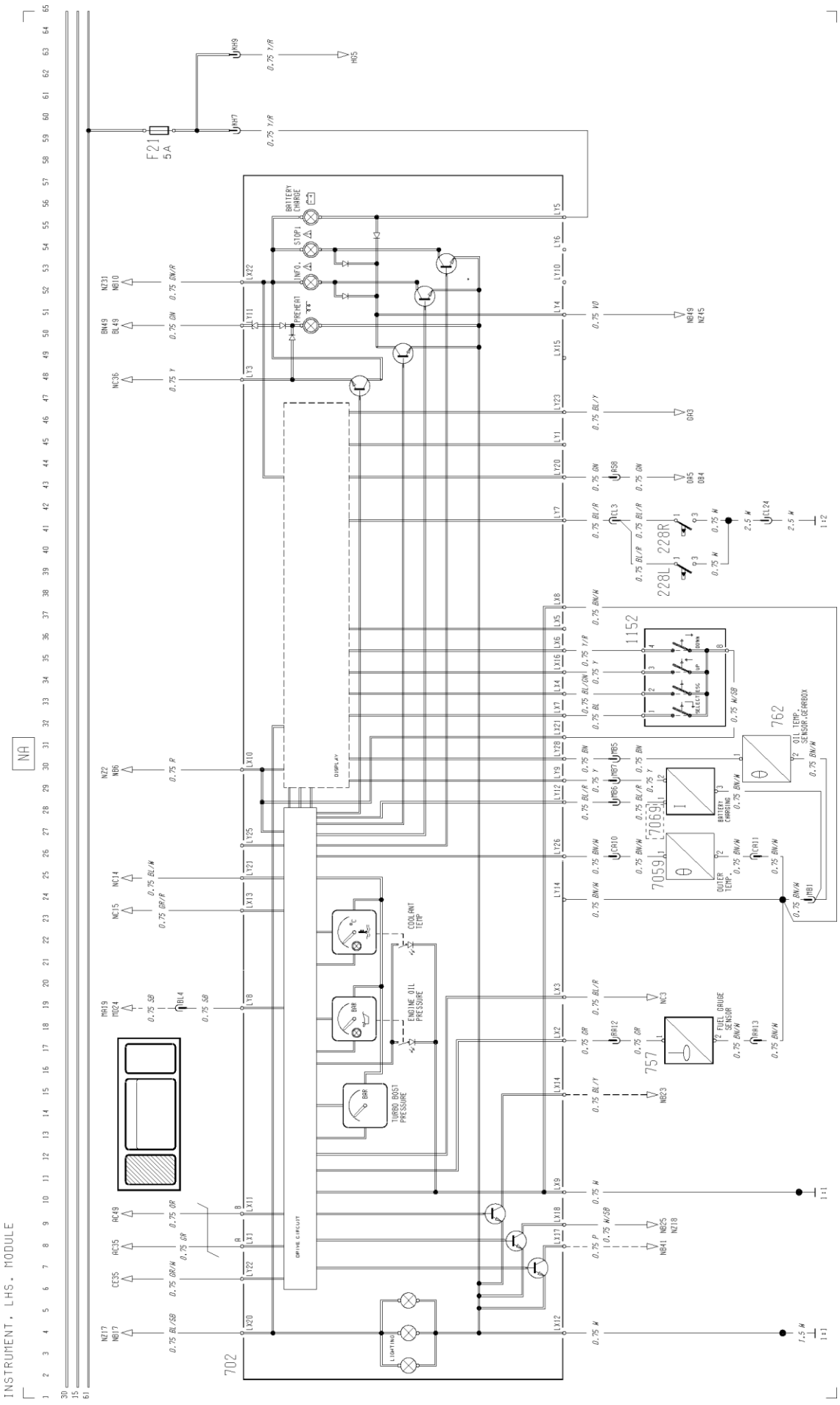

BOGIE LIFT, HYDRAULIC, WITH AXLE LOAD LIMITER, RADT-AR
[MD1]
3017
313
314 B
314 A
314 D
133
258
656
211
7053
606
T3010581


AIR-SUSPENSION, 6X2, 6X4, 8X2, 8X4, SUSPL-EC
[ME]
F12 5A
3019 B
3019 A
133
6045
6035 C
6035_LF
7072 RR
7064
7072 LR
7072_LF
9073
9010
REAR AIRSUSPENSION
9009
FULL AIRSUSPENSION
SAE J 1708/1587
T3010582

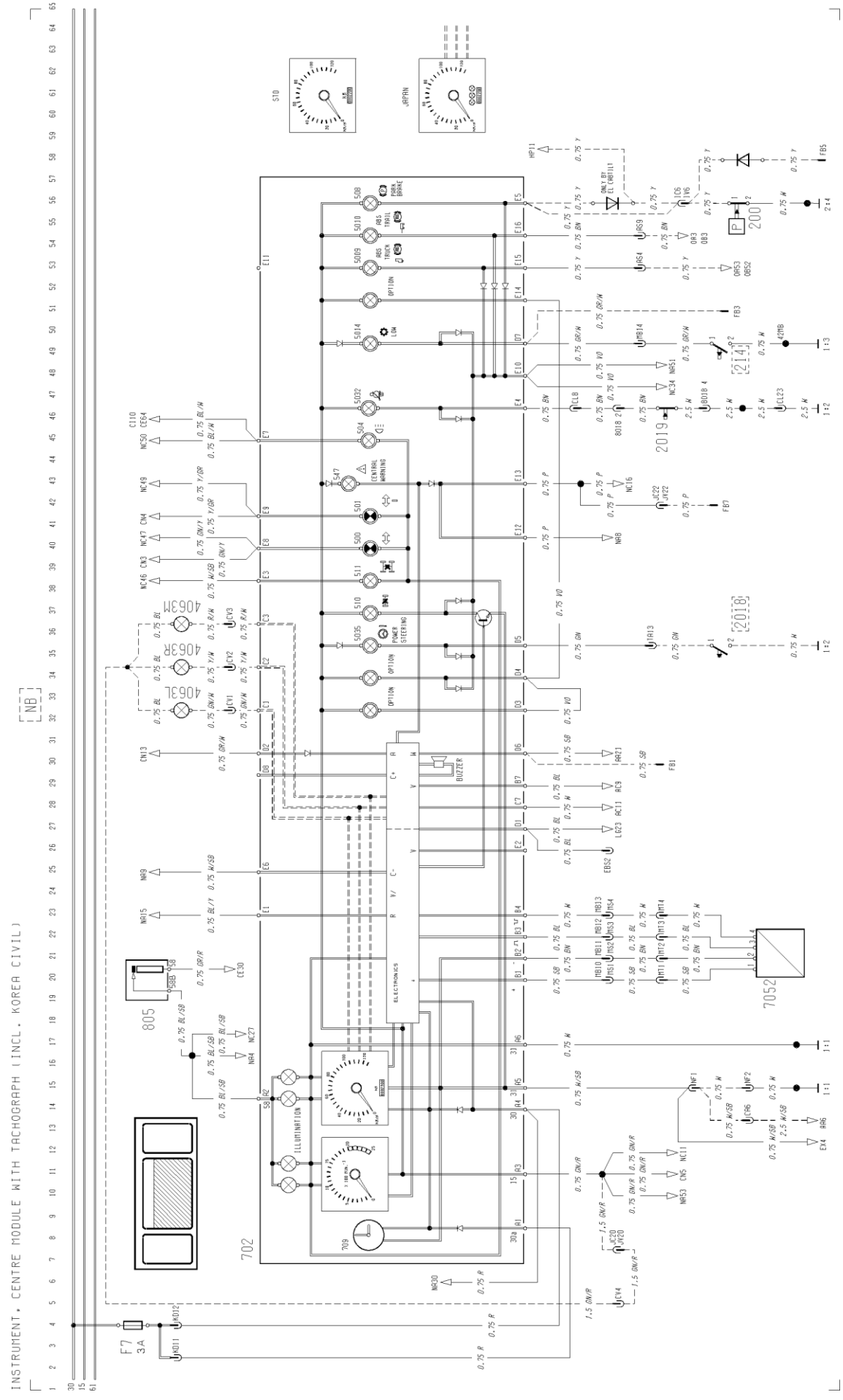

AIR-SUSPENSION 4X2, SUSPL-EC
MF
F12
5A
3019 B
3019 A
6035 C
6035 LF
7072 RR
7072 LR
7072 LF
9073
9009
FULL AIRSUSPENSION
SAE J 1708/1587
T3010583

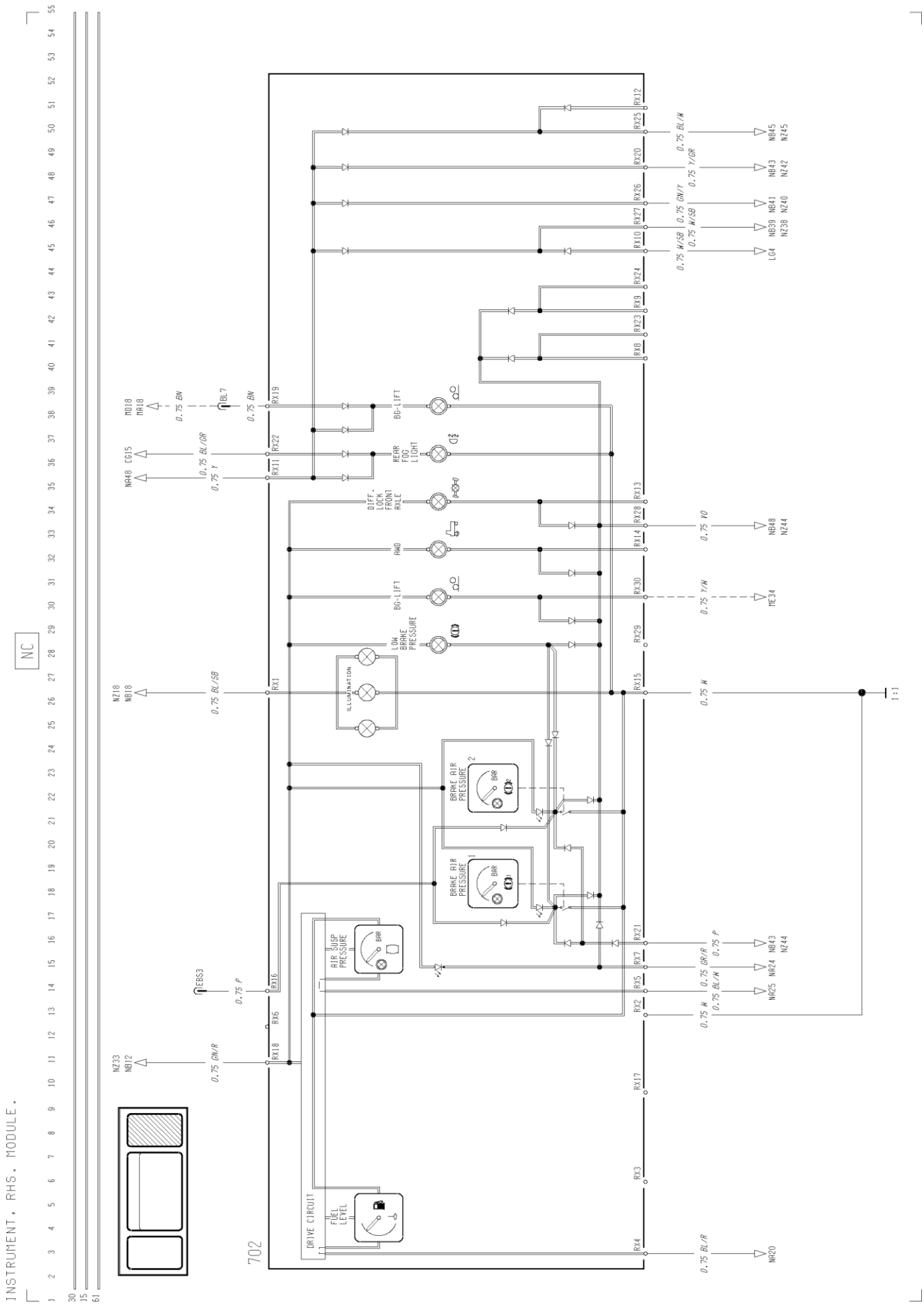
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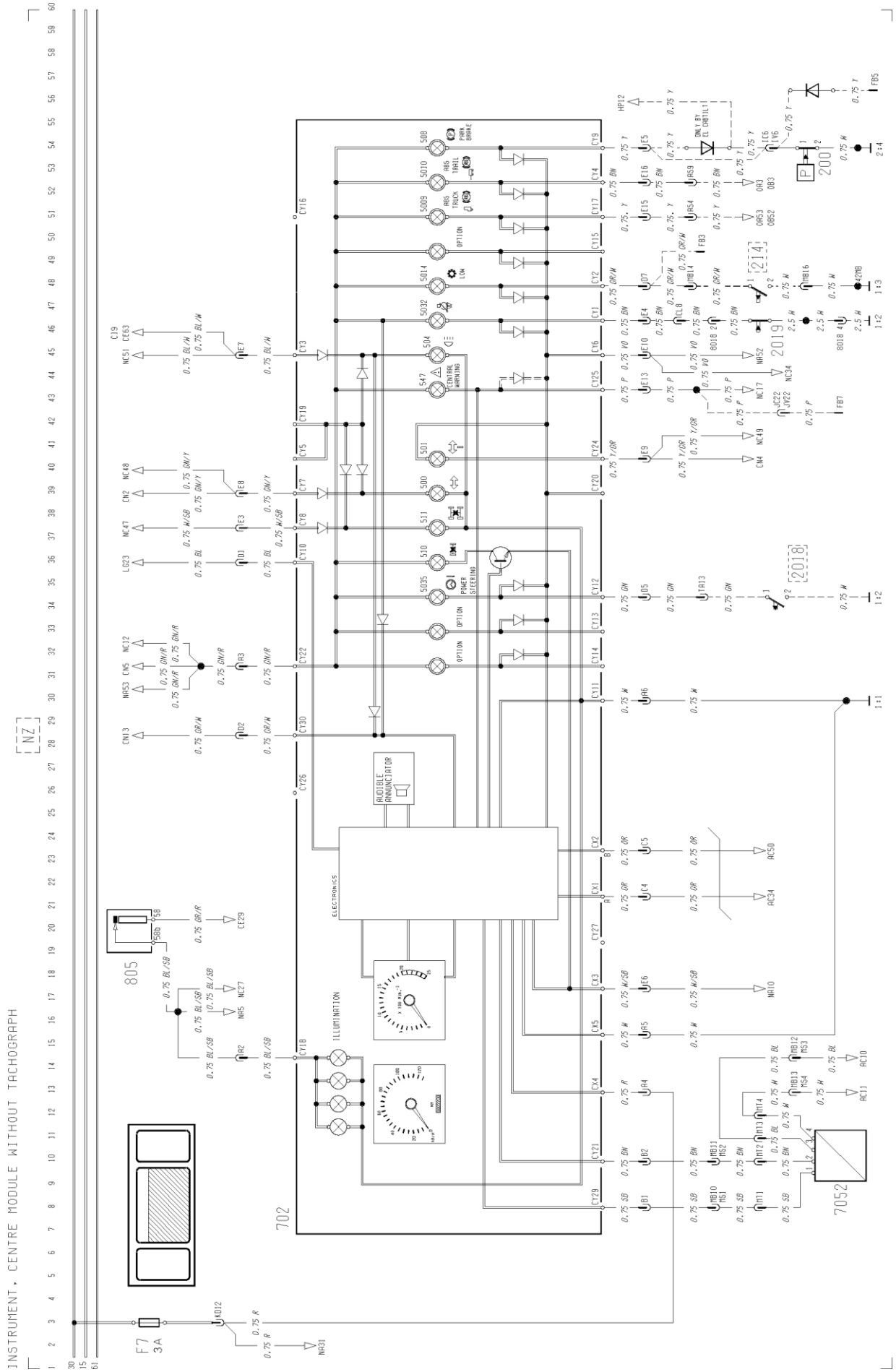


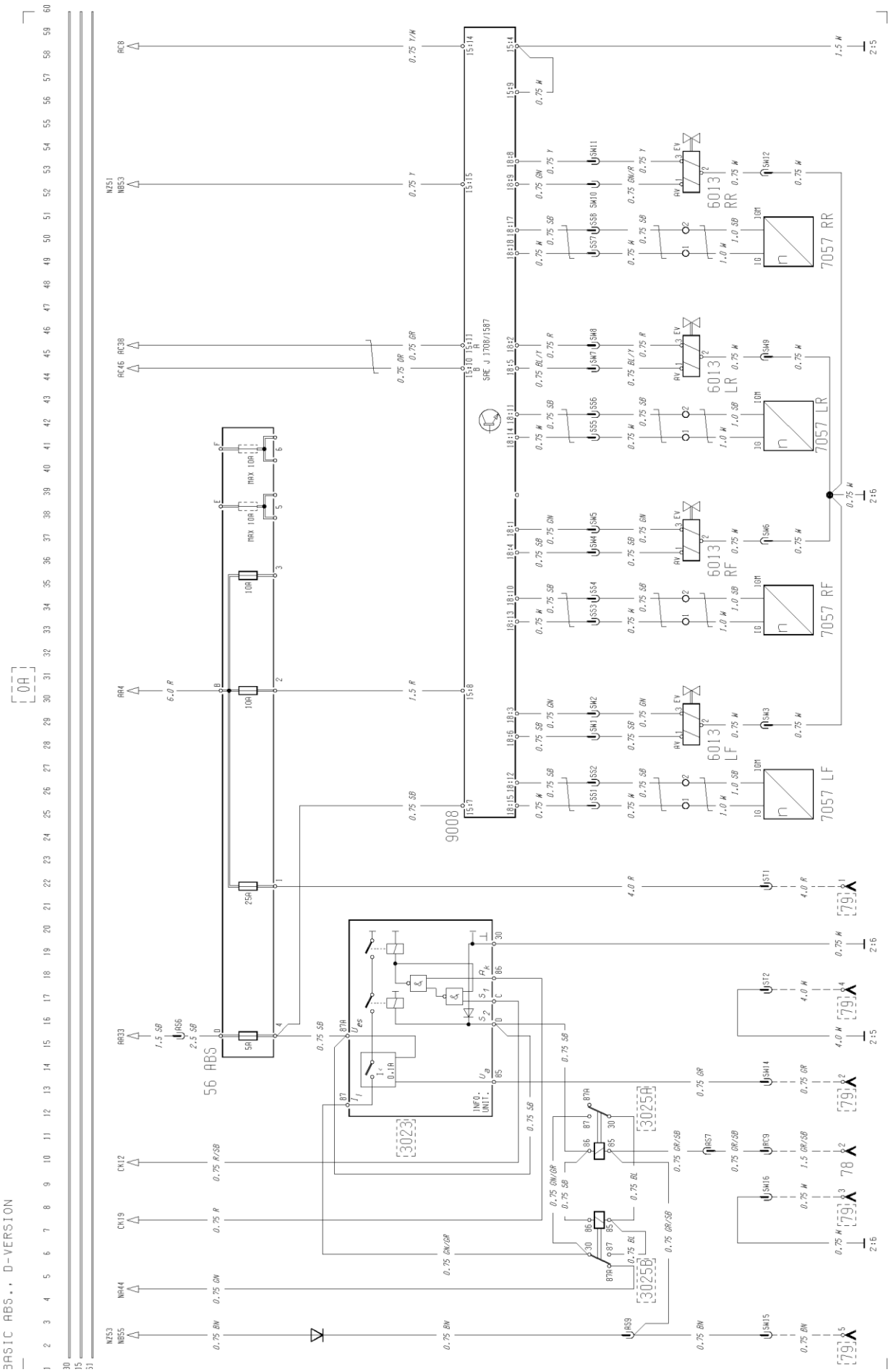

INSTRUMENT, LHS. MODULE
NA
F21
5A
BATTERY CHARGE
STOP!
INFO.
PREHEAT
DISPLAY
DRIVING CIRCUIT
LIGHTING
COOLANT TEMP
ENGINE OIL PRESSURE
TURBO BOOST PRESSURE
FUEL GAUGE SENSOR
OUTER TEMP.
BATTERY CHARGING
OIL TEMP. SENSOR/GEARBOX
SELECT/DSG
UP
DOWN
228L
228R
1152
762
757
7059
7069
702

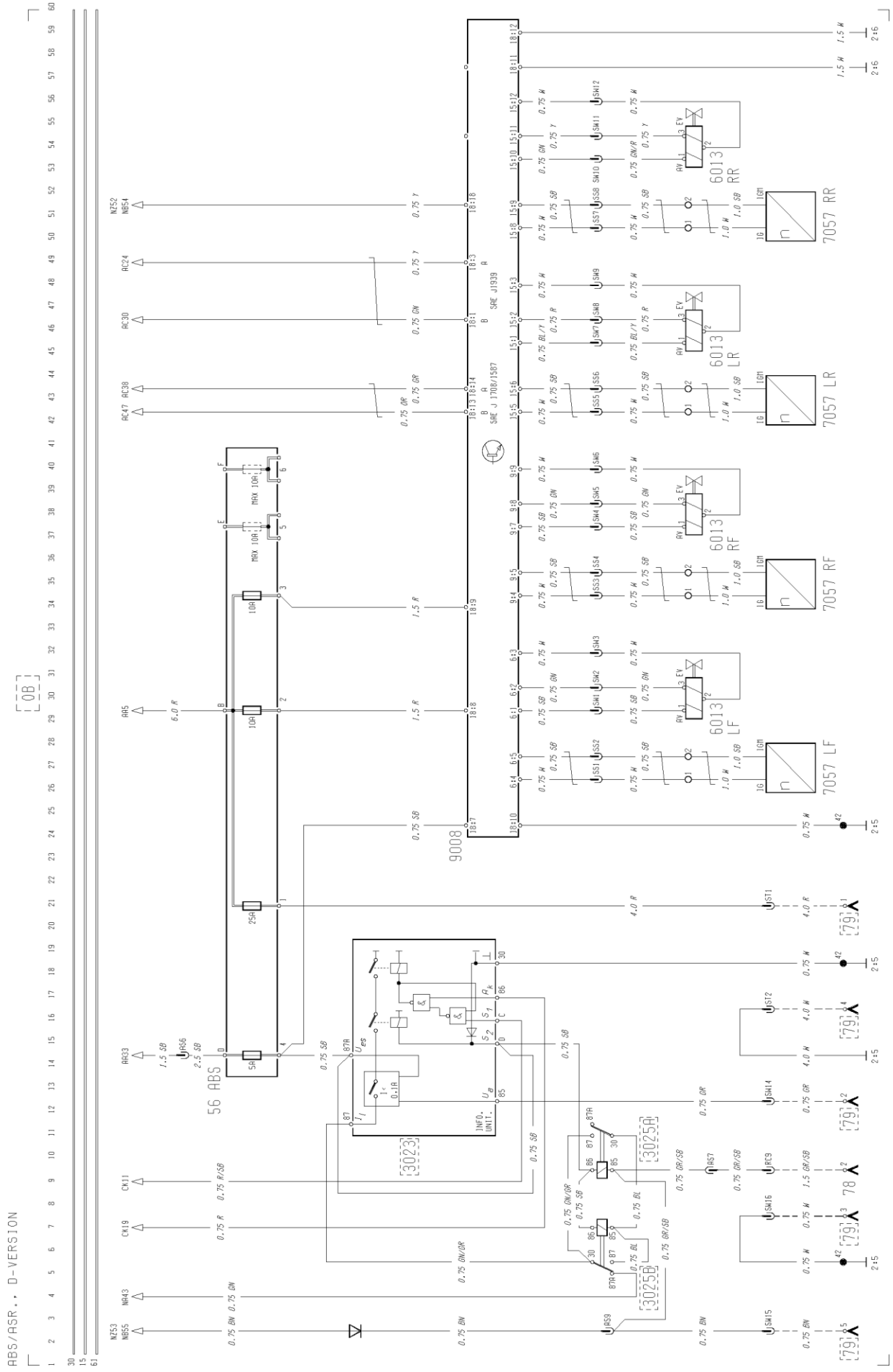
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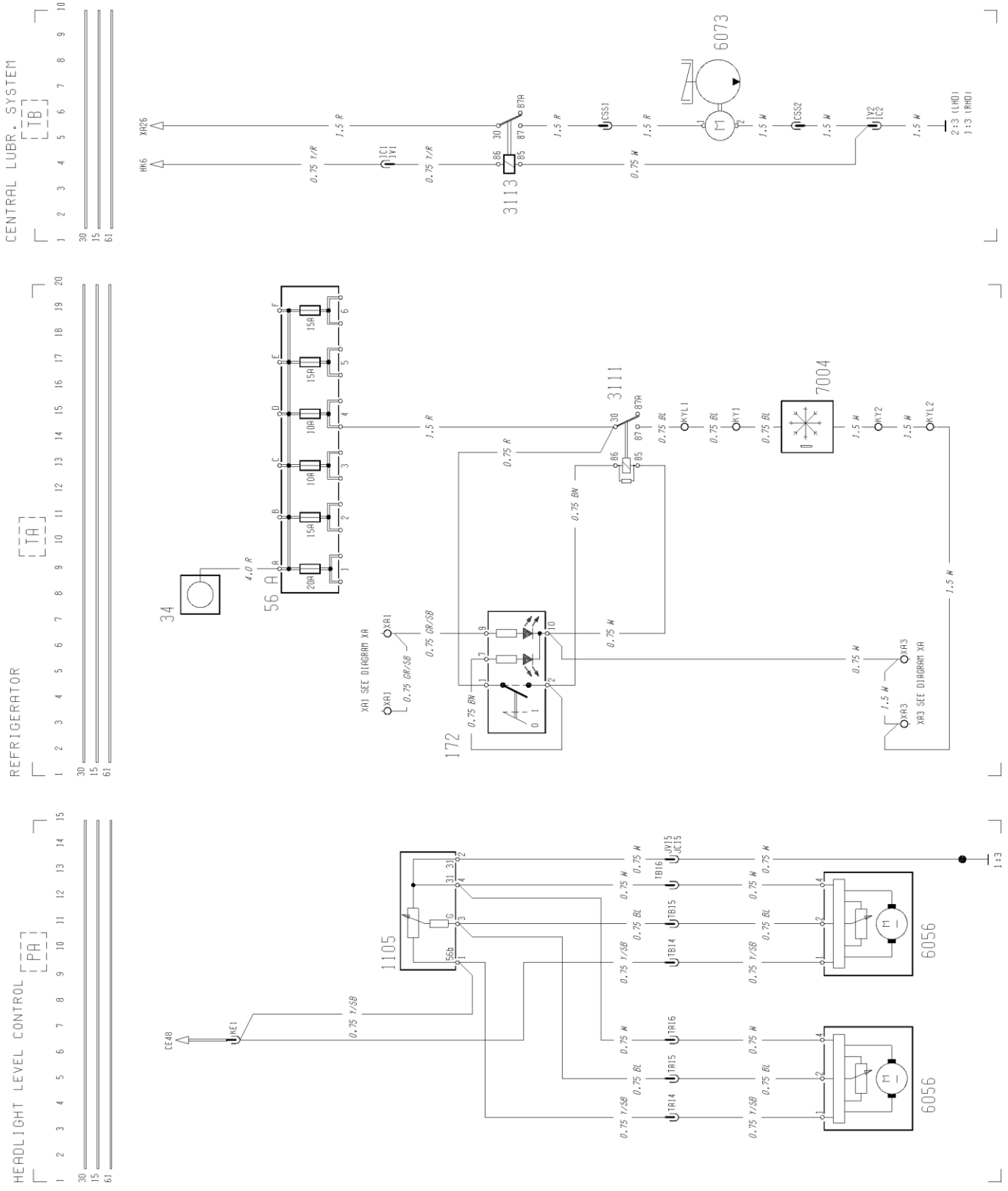


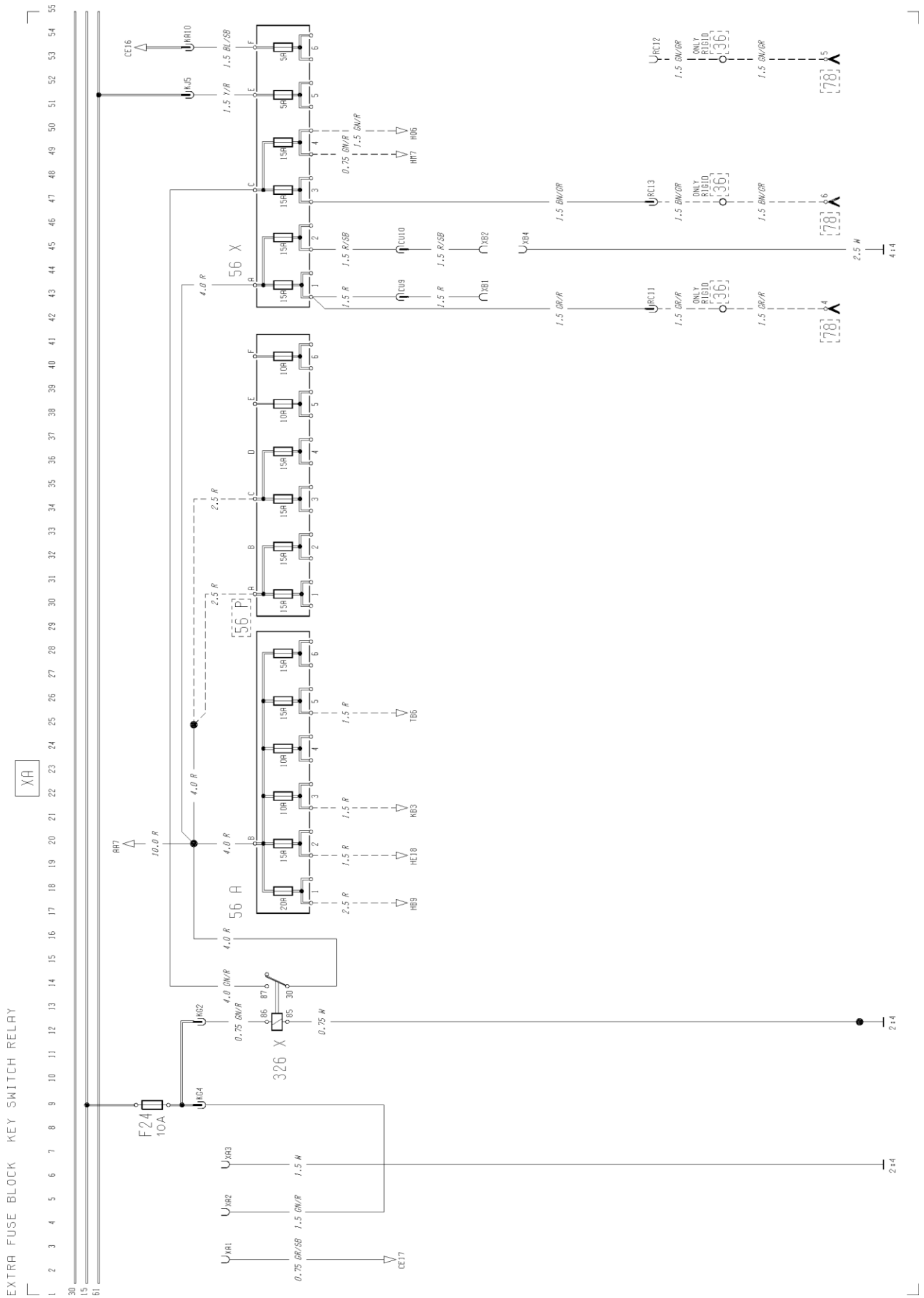

INSTRUMENT, RHS. MODULE.
NC
702
DRIVE CIRCUIT
FUEL LEVEL
AIR SUSP PRESSURE
BRAKE AIR PRESSURE 1
BRAKE AIR PRESSURE 2
ILLUMINATION
LOW BRAKE PRESSURE
DIFF. LOCK FRONT AXLE
REAR FOG LIGHT
BG-LIFT
AWD
EBS3
0.75 BN
0.75 BL/OR
0.75 Y
0.75 BL/SB
0.75 GN/R
0.75 P
0.75 W
0.75 BL/R
0.75 BL/W
0.75 Y/GR
0.75 GN/Y
0.75 W/SB
0.75 VO
0.75 Y/W

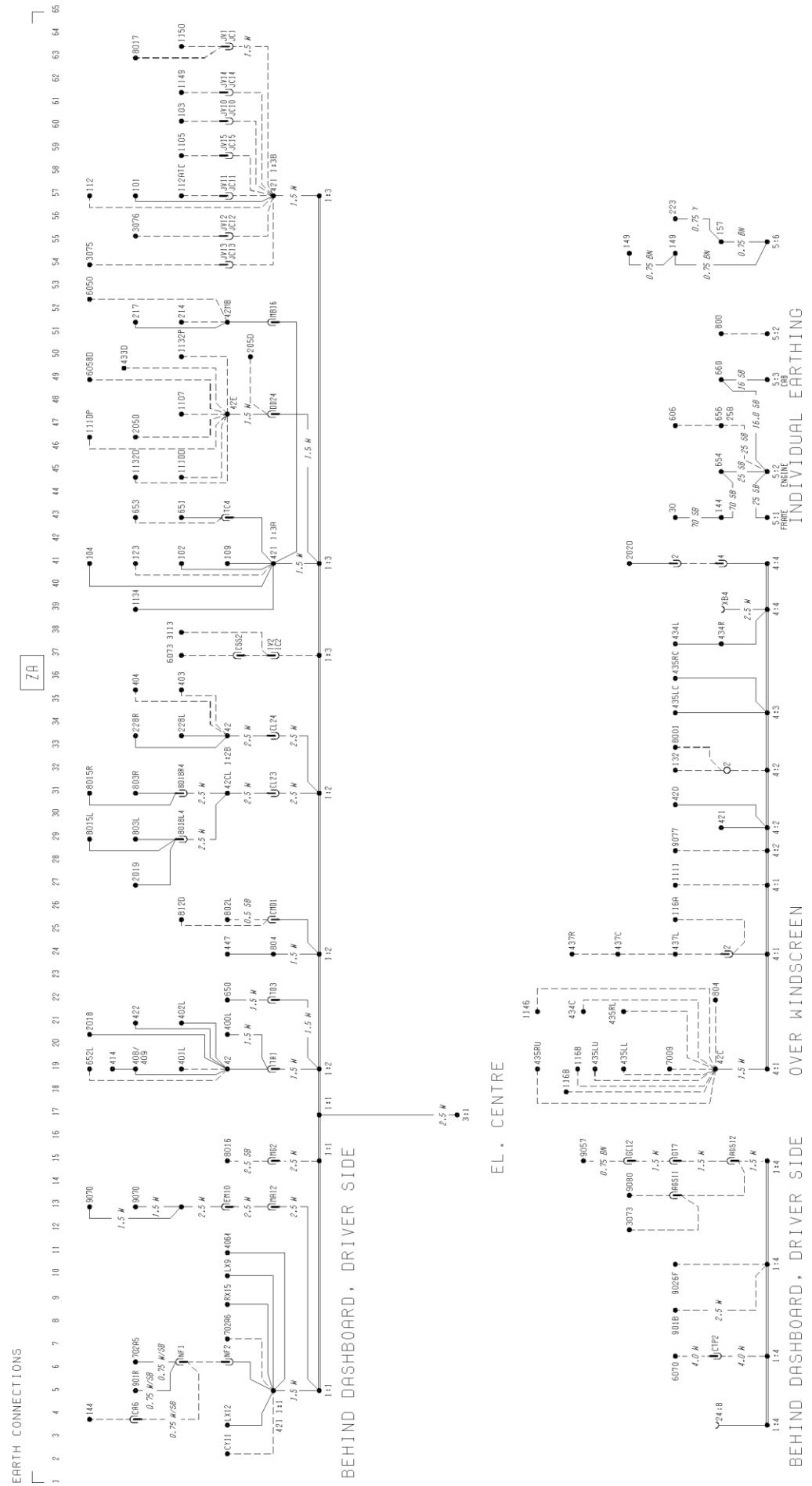

INSTRUMENT, CENTRE MODULE WITHOUT TACHOGRAPH
ELECTRONICS
AUDIBLE ANNUNCIATOR
ILLUMINATION
POWER STEERING
CENTRAL WARNING
ONLY BY EL CAB TILT
805
702
7052
2019
2018
2014
200
F7 3A

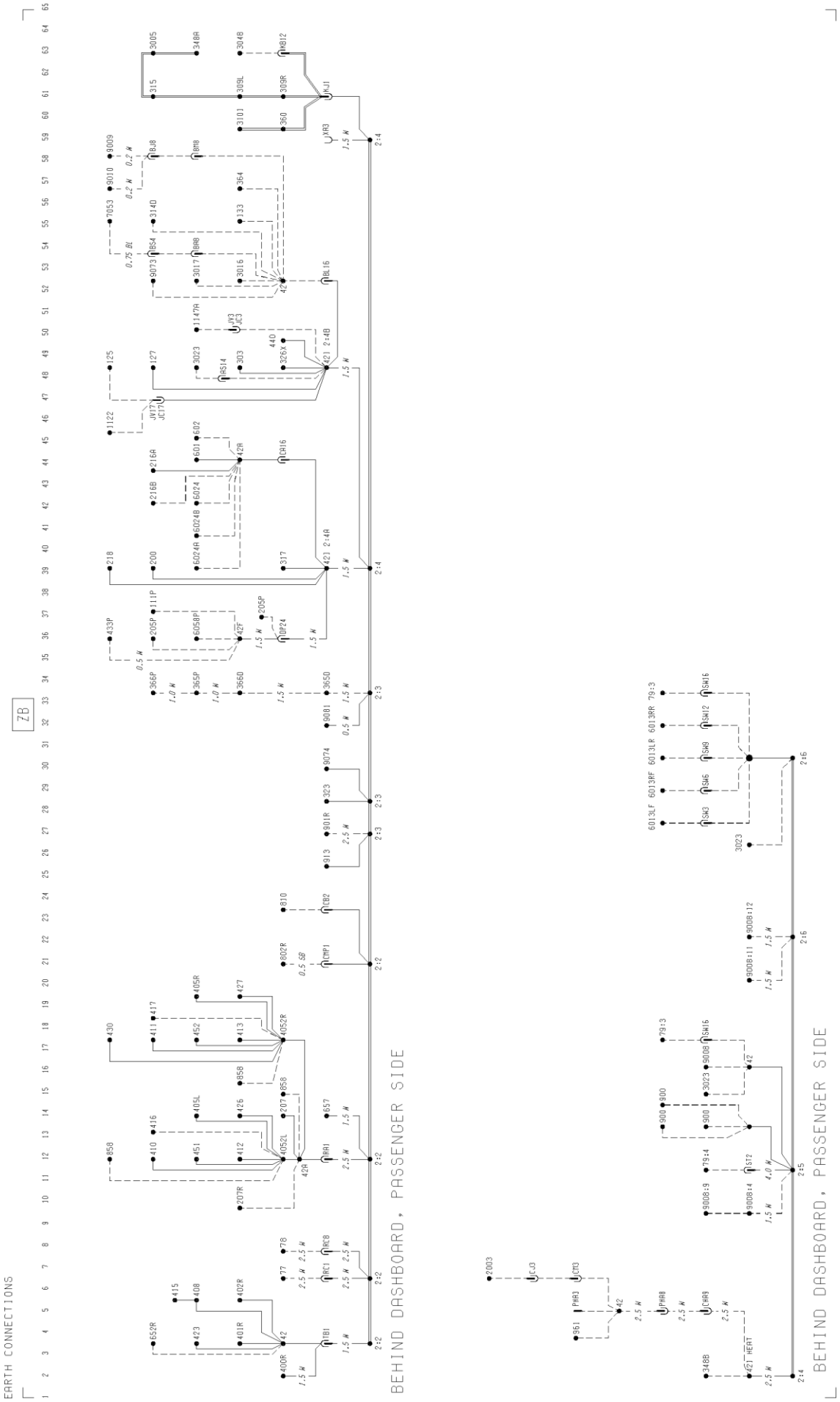

BASIC ABS.. D-VERSION
56 ABS
9008
7057 LF
7057 RF
7057 LR
7057 RR
6013 LF
6013 RF
6013 LR
6013 RR
INFO. UNIT.
[30023]
[30025A]
[30025B]
[79]
[78]


ABS/ASR.. D-VERSION
56 ABS
7057 RF
7057 LF
7057 RR
7057 LR
6013 RF
6013 LF
6013 RR
6013 LR
9008
30023
30025A
30025B
SAE J1939
SAE J 1708/1587


CENTRAL LUBR. SYSTEM
TB
REFRIGERATOR
TA
HEADLIGHT LEVEL CONTROL
PA
XA26
HH6
0.75 Y/R
1.5 R
3113
6073
1.5 W
0.75 W
2:3 (LHD)
1:3 (RHD)
56 A
4.0 R
20A
15A
10A
34
3111
7004
KYL1
KYL2
KY1
KY2
0.75 BL
0.75 BN
0.75 GR/SB
XA1 SEE DIAGRAM XA
XA3 SEE DIAGRAM XA
172
1105
56b
CE48
KE1
0.75 Y/SB
TB16
TB15
TB14
TA16
TA15
TA14
6056
1:3
T3010591


EXTRA FUSE BLOCK KEY SWITCH RELAY
XA
F24
10A
56 X
56 A
56 P
326 X
ONLY RIGID
136
4.0 R
2.5 R
10.0 R
1.5 R
1.5 R/SB
1.5 GR/R
1.5 BN/GR
1.5 GN/GR
1.5 Y/R
1.5 BL/SB
0.75 GN/R
0.75 W
2.5 W
4.0 GN/R
1.5 GR/SB
1.5 W
1.5 GN/R
CE16
CE17
HM5
HM6
HM7
HB9
HE18
KB3
TB6
RA7
RC12
RC13
RC11
CU10
CU9
XB2
XB1
XB4
XA3
XA2
XA1
XG2
XG4
4:4
5:6
5:5
5:4
5:3
5:2
5:1
10A
15A
20A
30
15
61

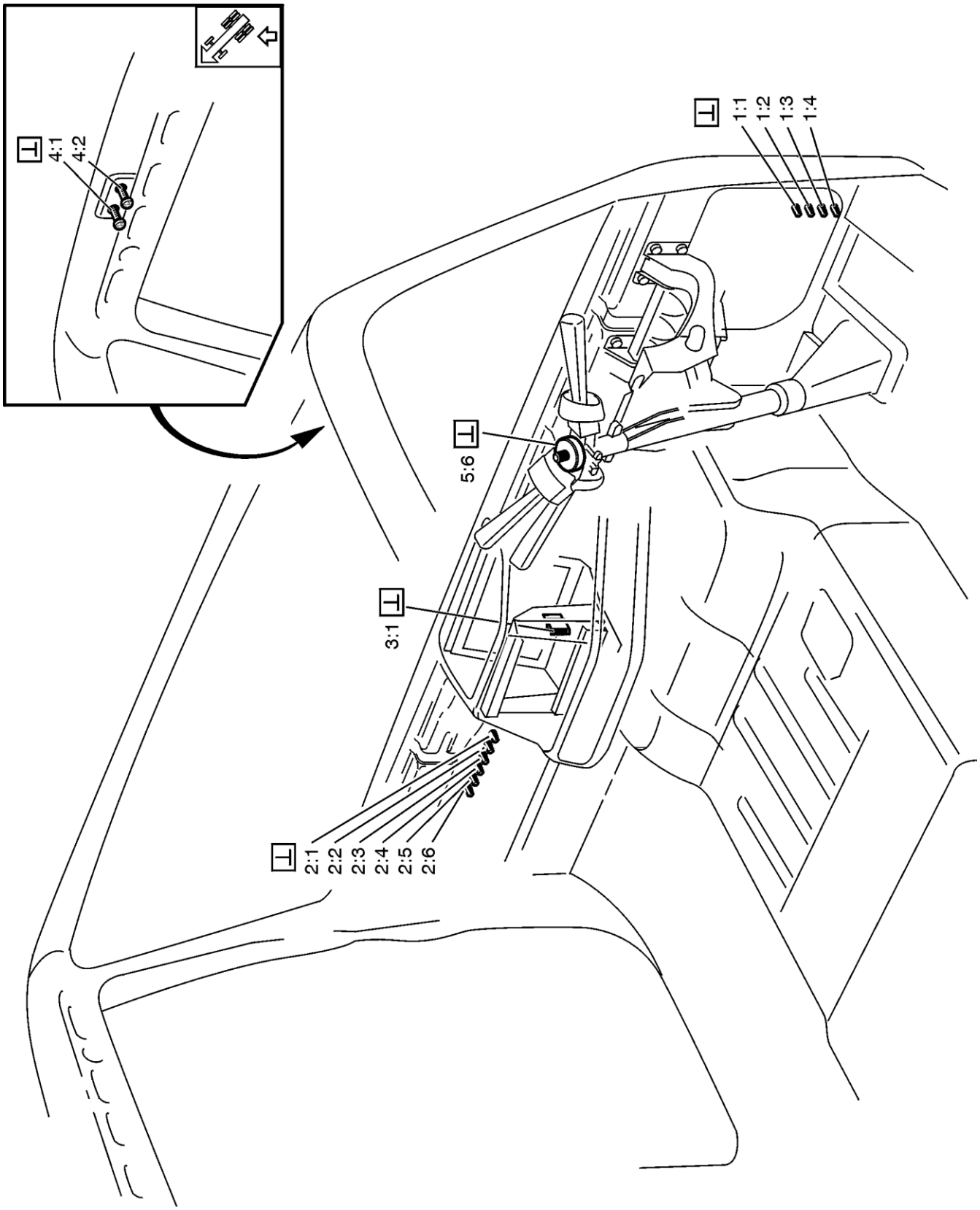

EARTH CONNECTIONS
ZA
BEHIND DASHBOARD, DRIVER SIDE
EL. CENTRE
OVER WINDSCREEN
BEHIND DASHBOARD, DRIVER SIDE
INDIVIDUAL EARTHING


EARTH CONNECTIONS
ZB
BEHIND DASHBOARD, PASSENGER SIDE
BEHIND DASHBOARD, PASSENGER SIDE

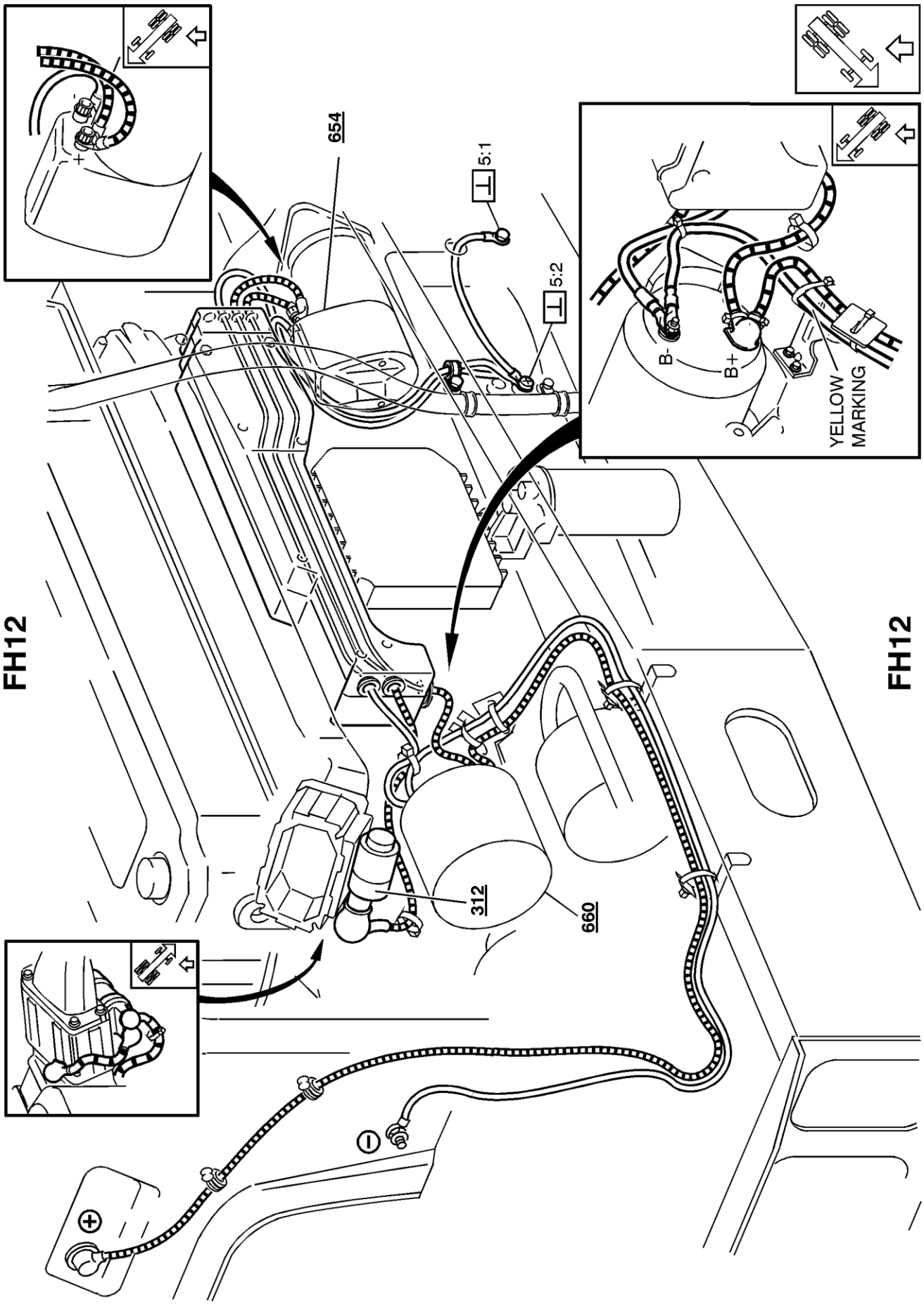
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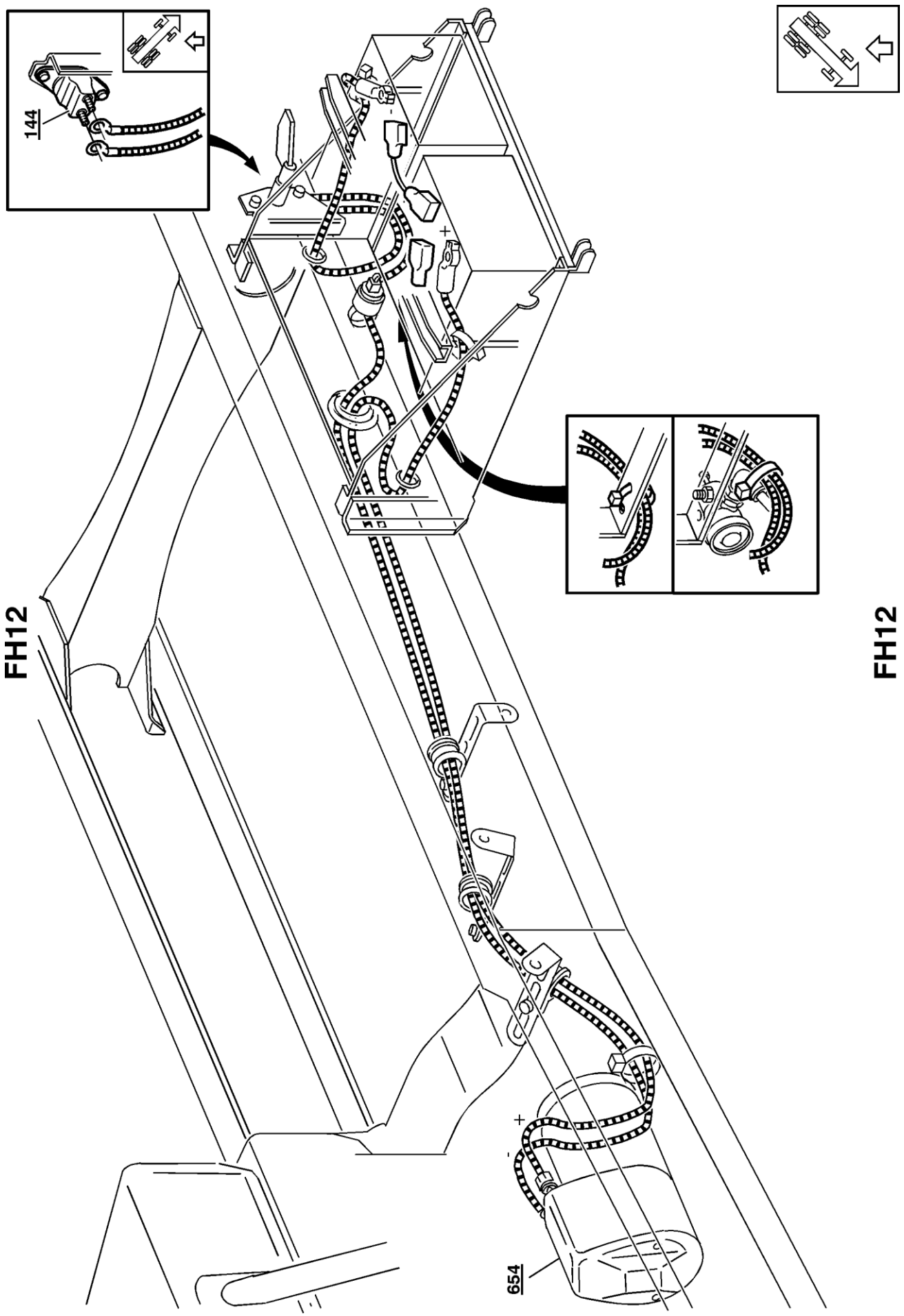
-	Earth connections	page 45
-	Battery cables	page 46
650	Windscreen wiper motor	page 79
1000	Cable harness, instruments	page 50
1002	Cable harness, tachograph (CABLE-EC)	page 55
1006	Cable harness, cab, upper	page 56
1007	Cable harness, cab, lower	page 58
1017	Cable harness, engine/cab heater	page 60
1020	Cable harness, cowl	page 61
1030	Cable harness, engine	page 62
1037	Cable harness, bogie lift	page 65
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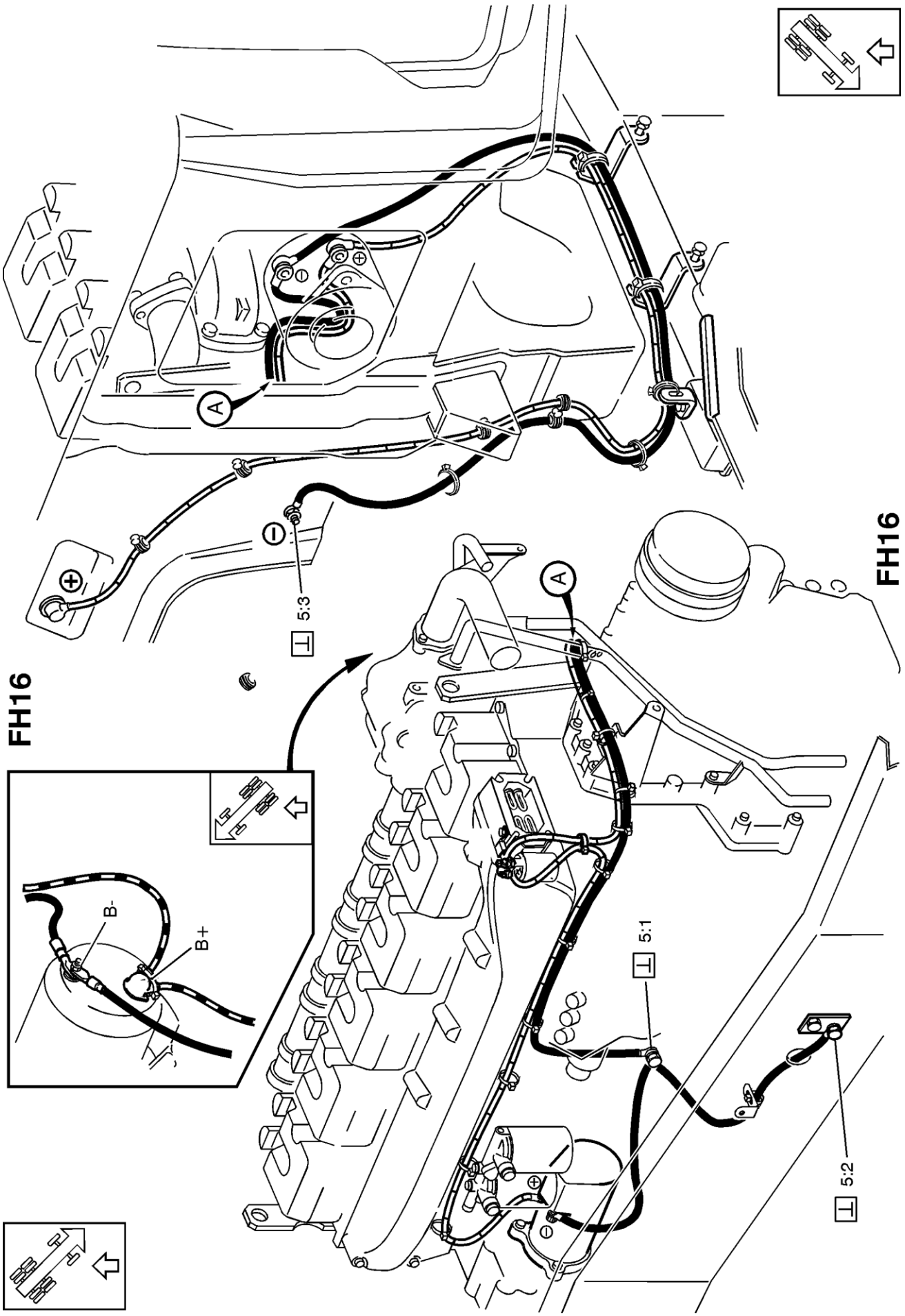
Illustrations



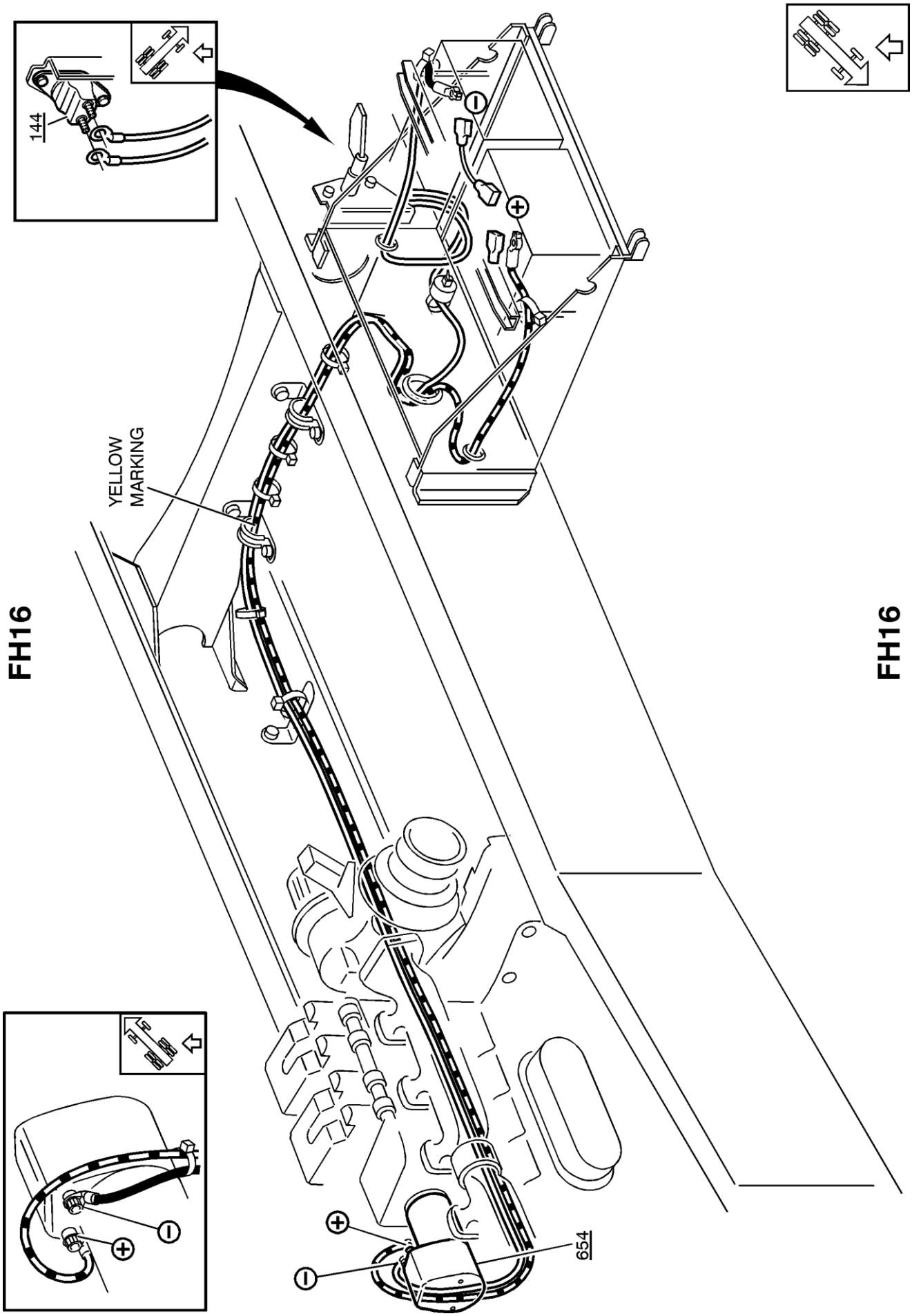
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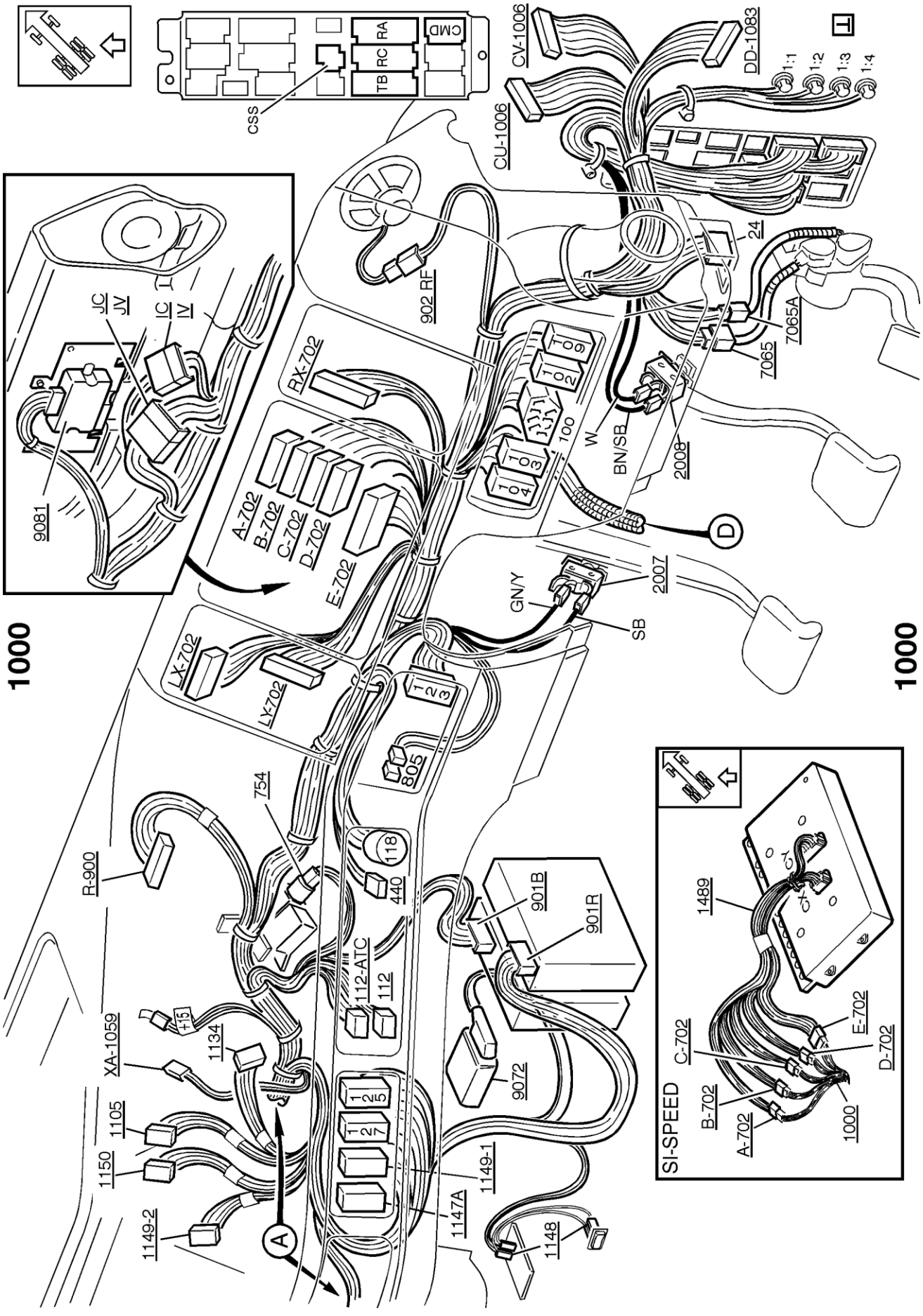

654
5:1
5:2
B-
B+
YELLOW MARKING
312
660
FH12
FH12


144
FH12
FH12
654

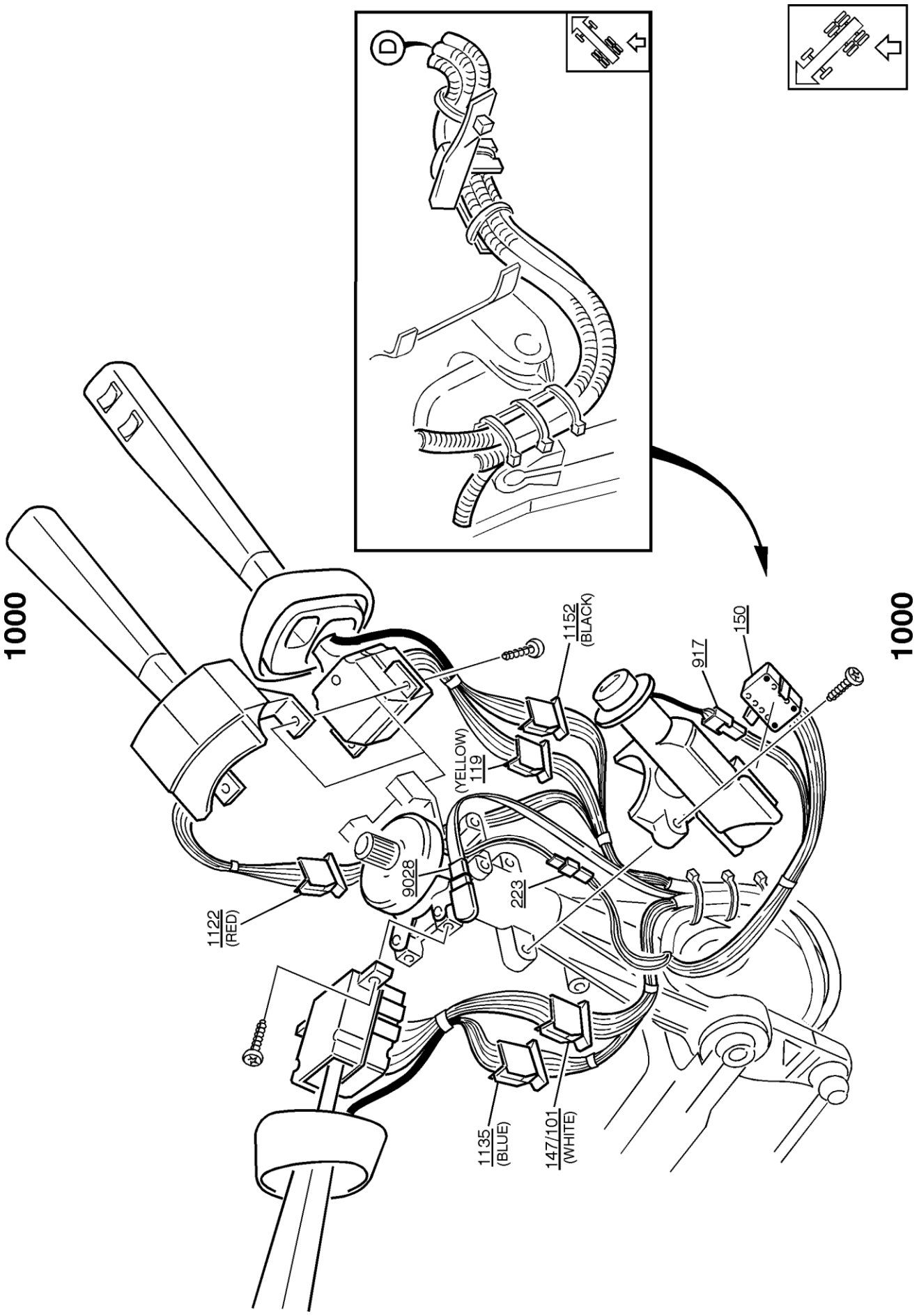

FH16
FH16
A
A
B-
B+
5:1
5:2
5:3

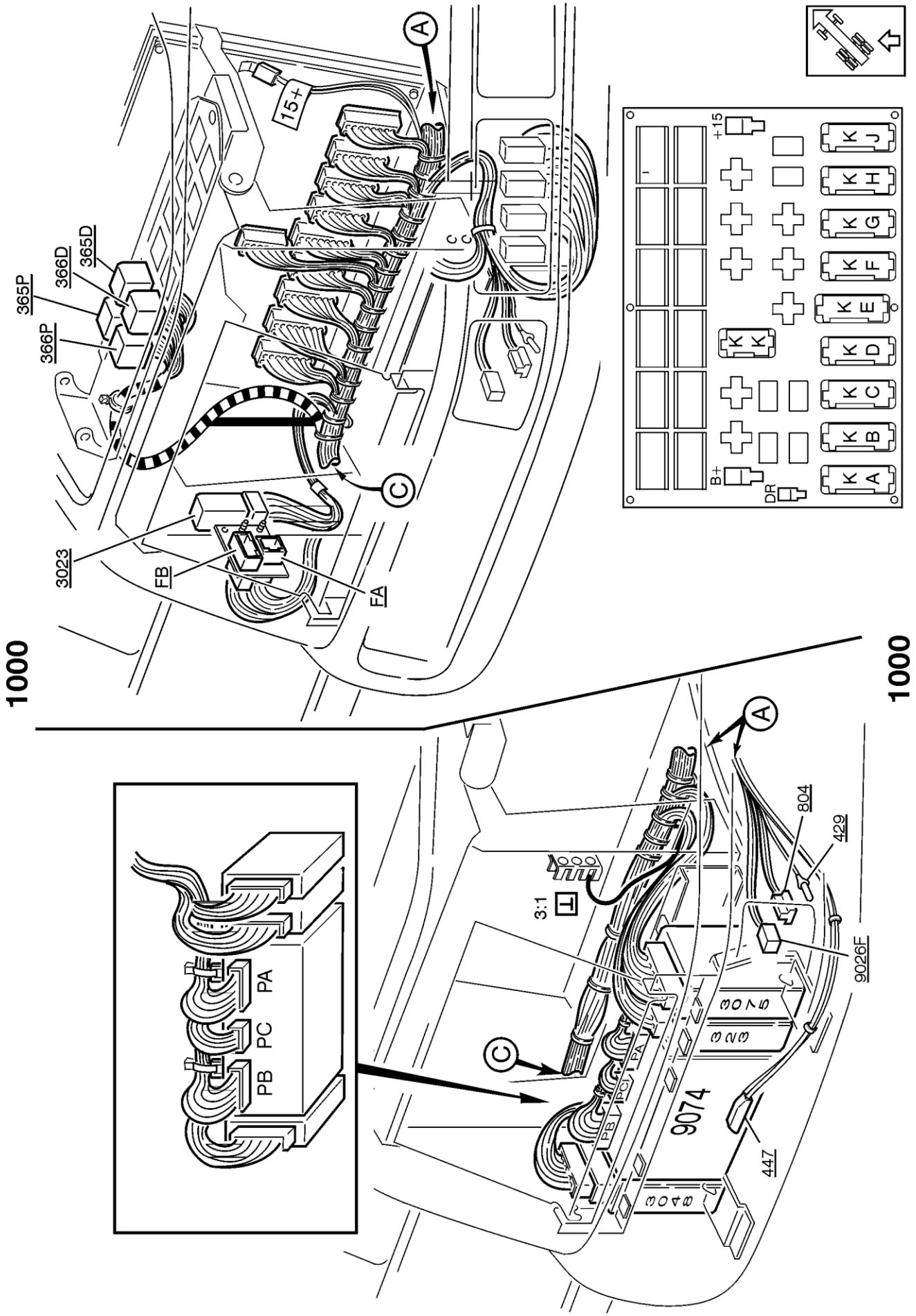
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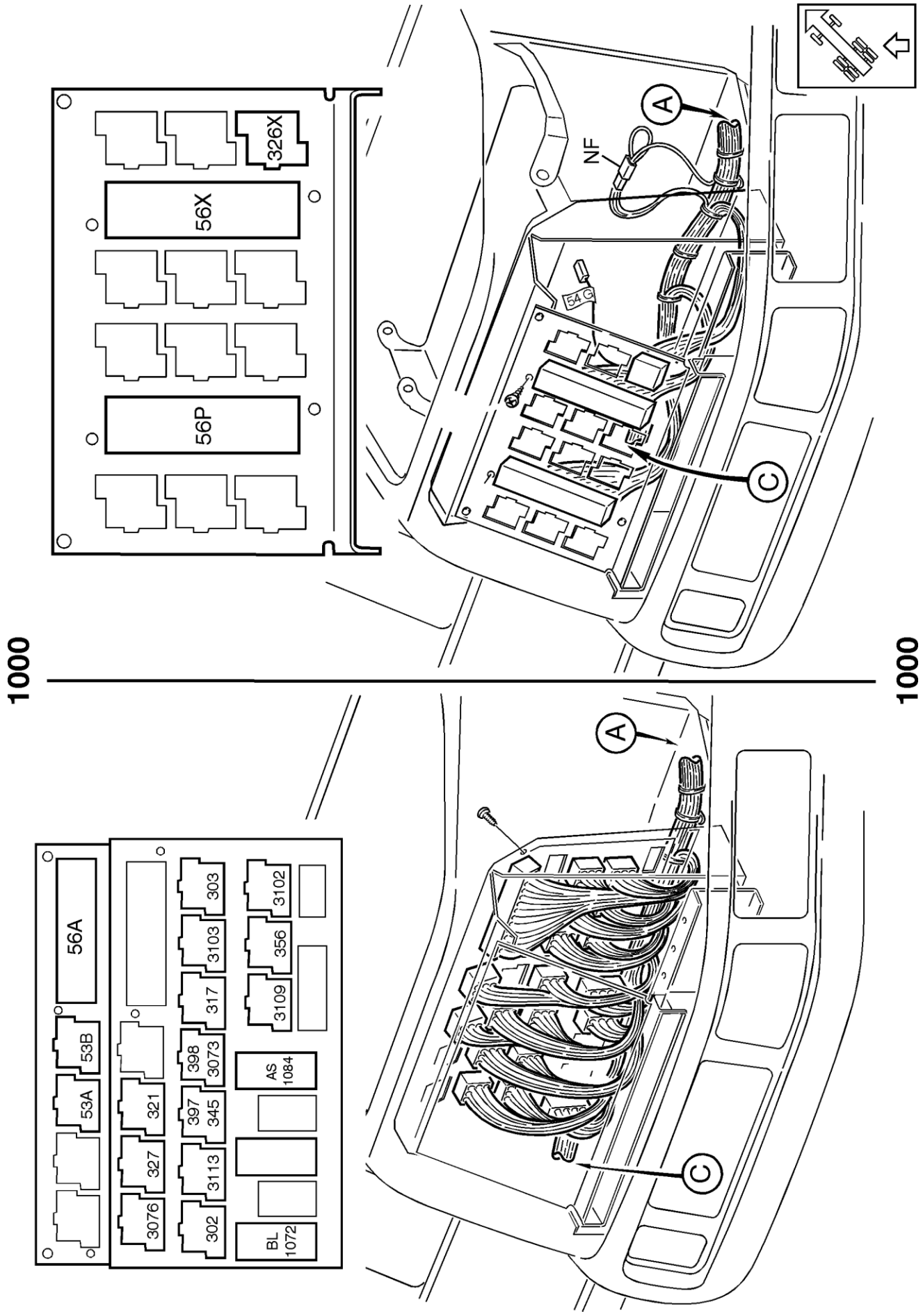

1000
1000
CSS
CMD
RA
RC
TB
CV-1006
CU-1006
DD-1083
1:1
1:2
1:3
1:4
902 RF
24
7065A
7065
2008
W
BN/SB
100
RX-702
A-702
B-702
C-702
D-702
E-702
LX-702
LX-702
9081
JC
JV
IC
IV
GN/Y
SB
2007
805
754
R-900
118
440
112-ATC
112
901B
901R
9072
XA-1059
+15
1134
1105
1150
1149-2
1149-1
1147A
1148
A
D
SI-SPEED
1489
C-702
B-702
A-702
E-702
D-702
1000

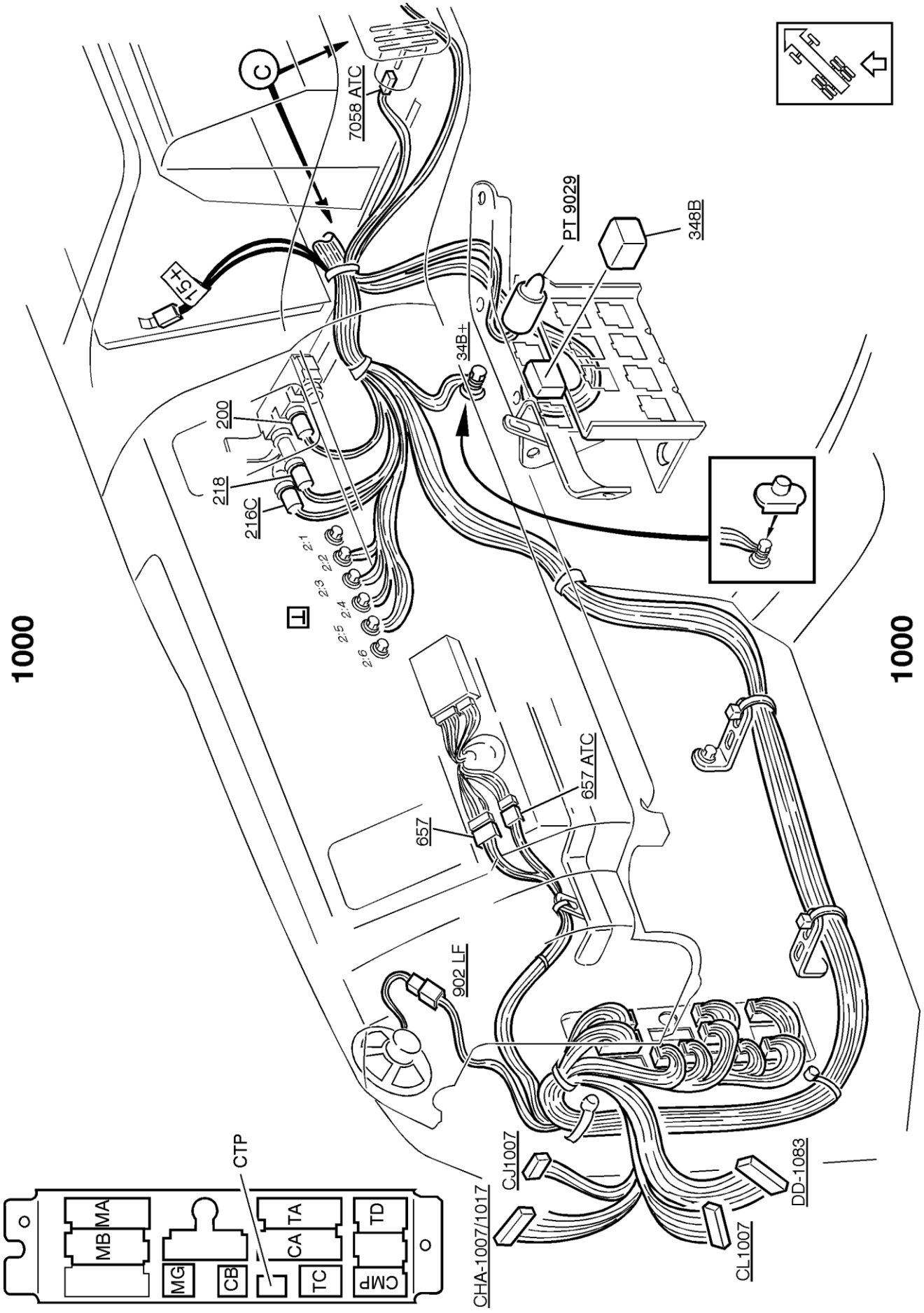
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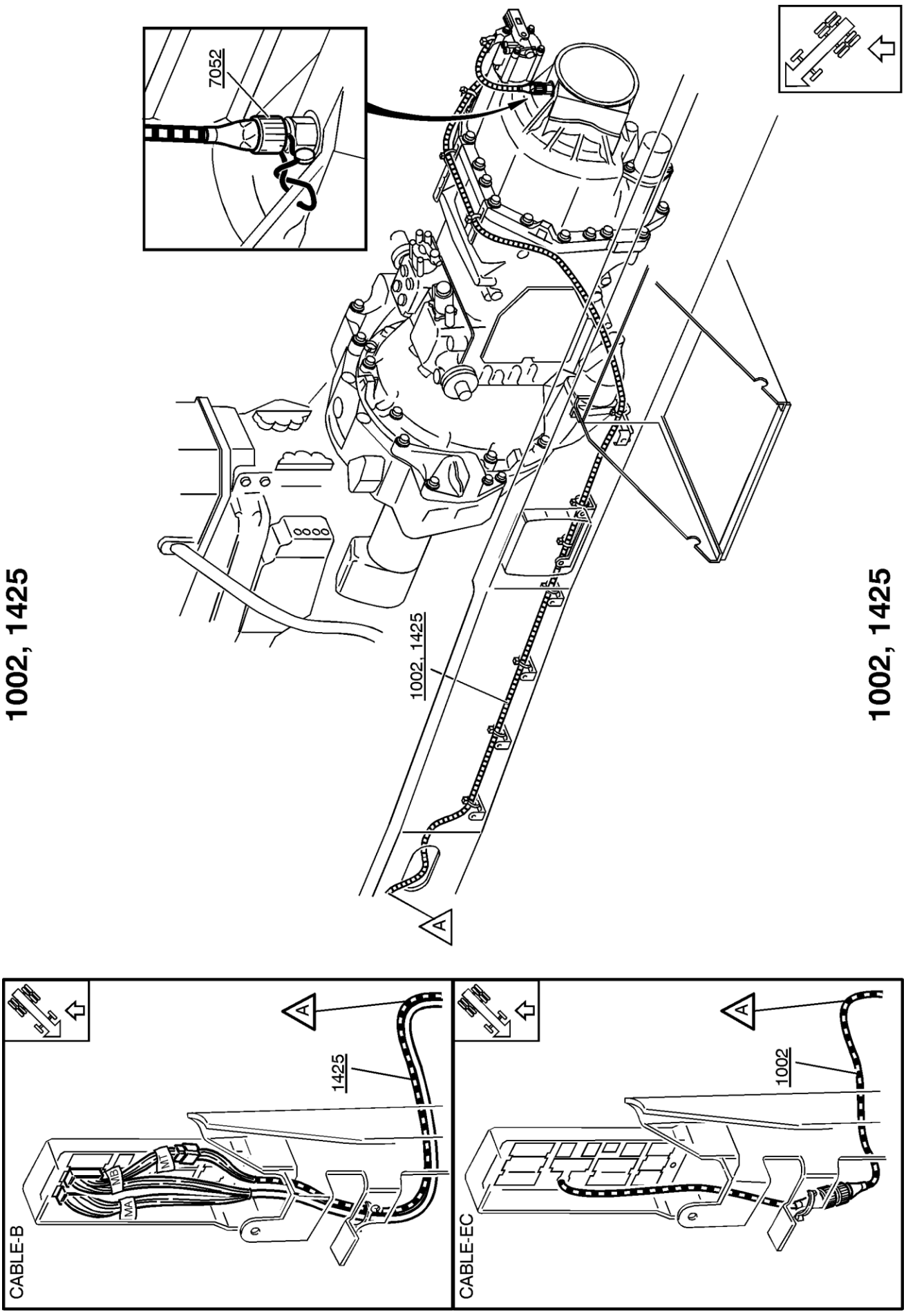

1000
1000
15+
365P
366D
365D
366P
3023
FB
FA
A
C
+15
B+
DR
K A
K B
K C
K D
K E
K F
K G
K H
K J
3:1
804
429
9026F
9074
447
PA
PC
PB

https://truckmanualshub.com/

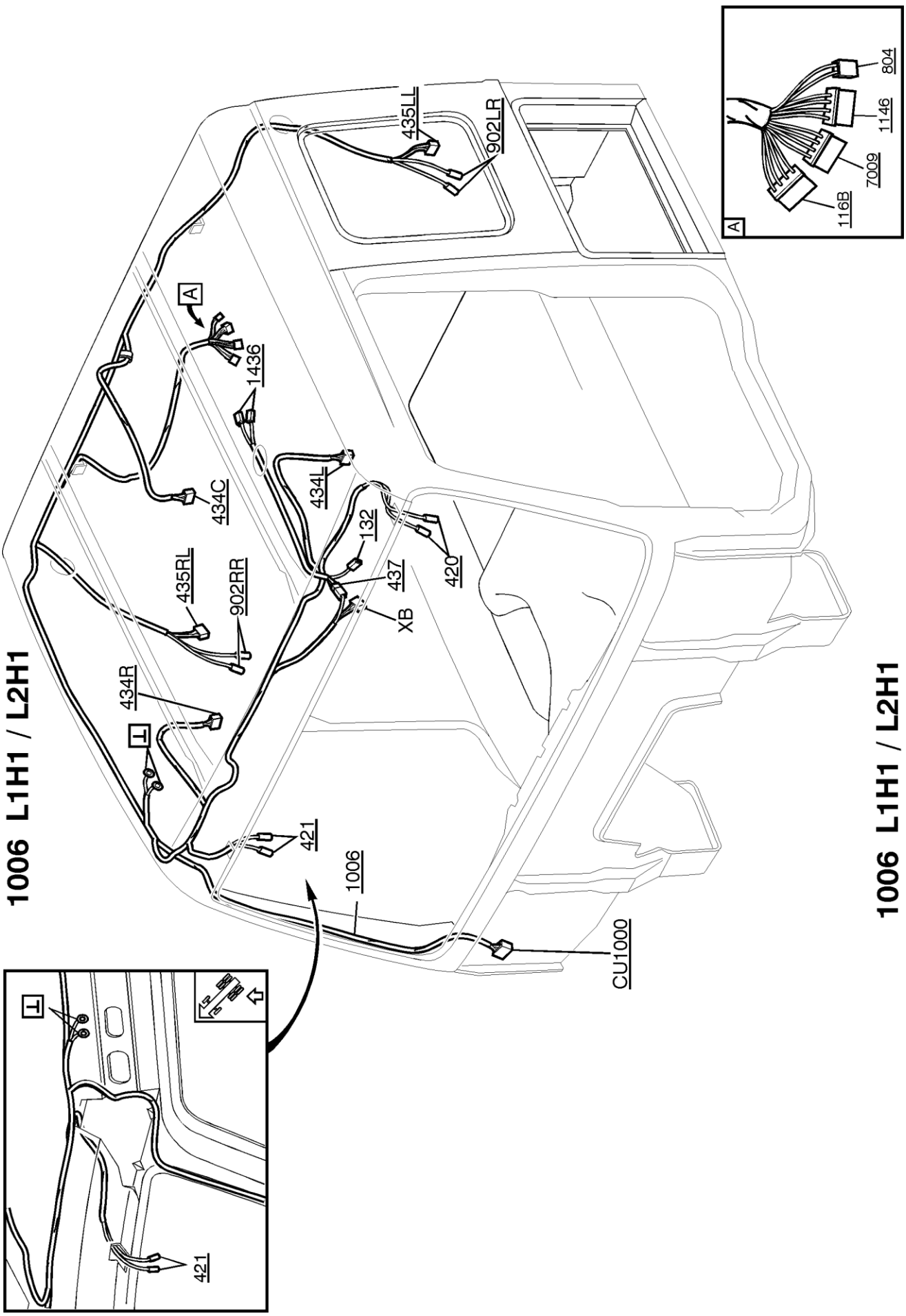


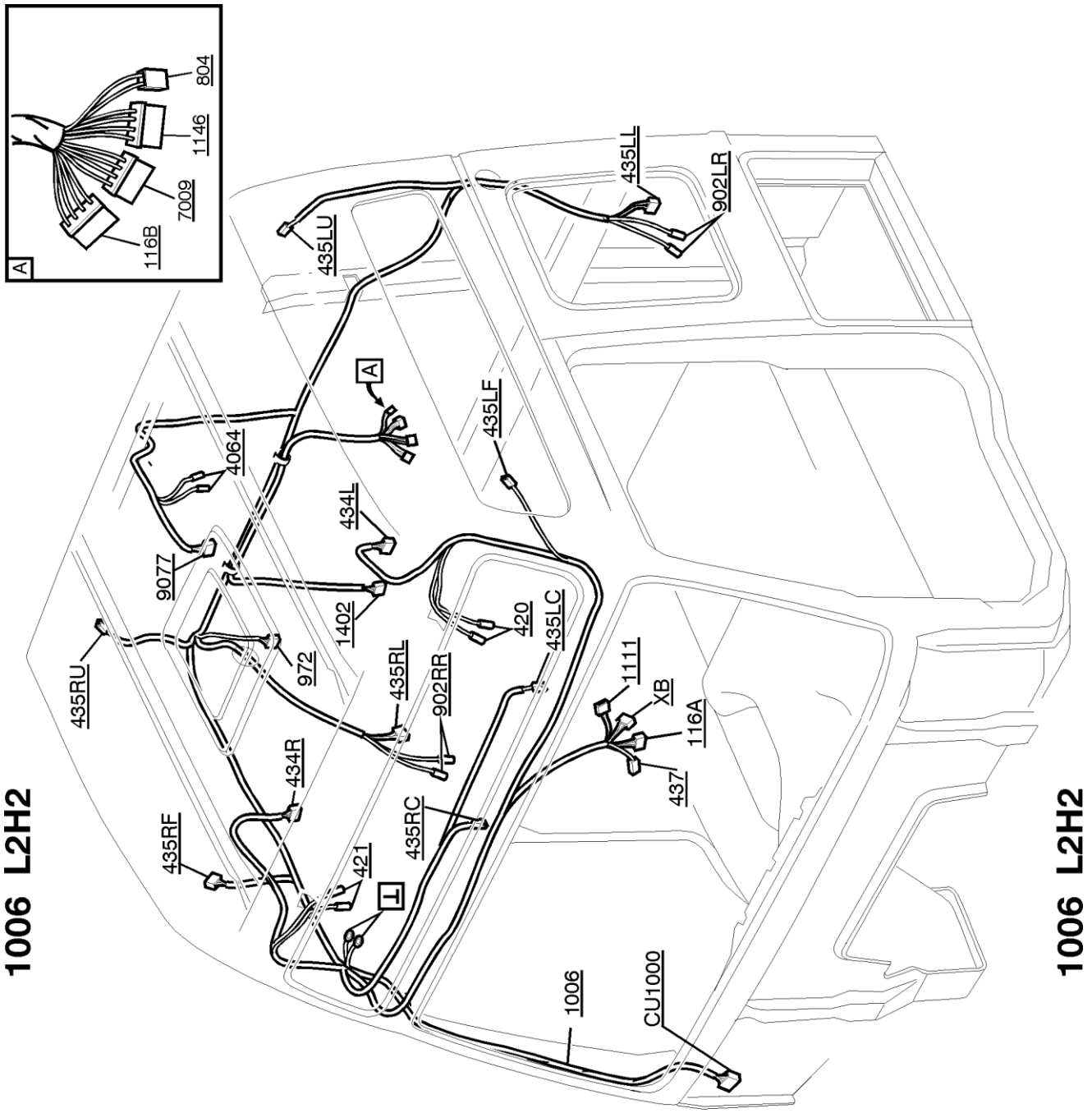

1000
1000
7058 ATC
15+
PT 9029
348B
34B+
200
218
216C
2:1
2:2
2:3
2:4
2:5
2:6
657
657 ATC
902 LF
CHA-1007/1017
CJ1007
CL1007
DD-1083
CTP
MA
MB
MG
CB
CA
TA
TC
CMP
TD

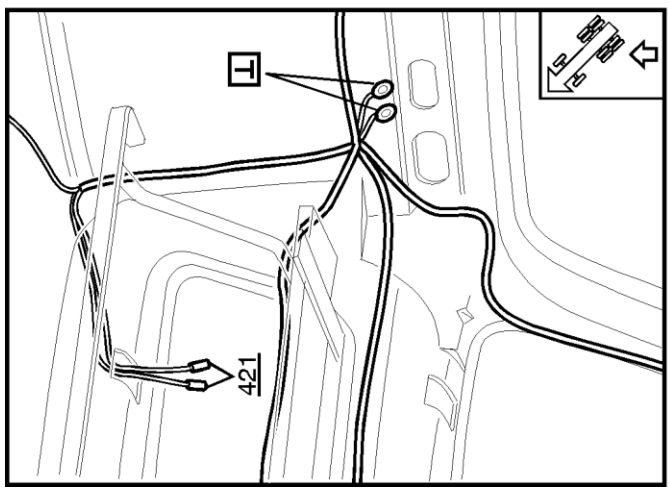
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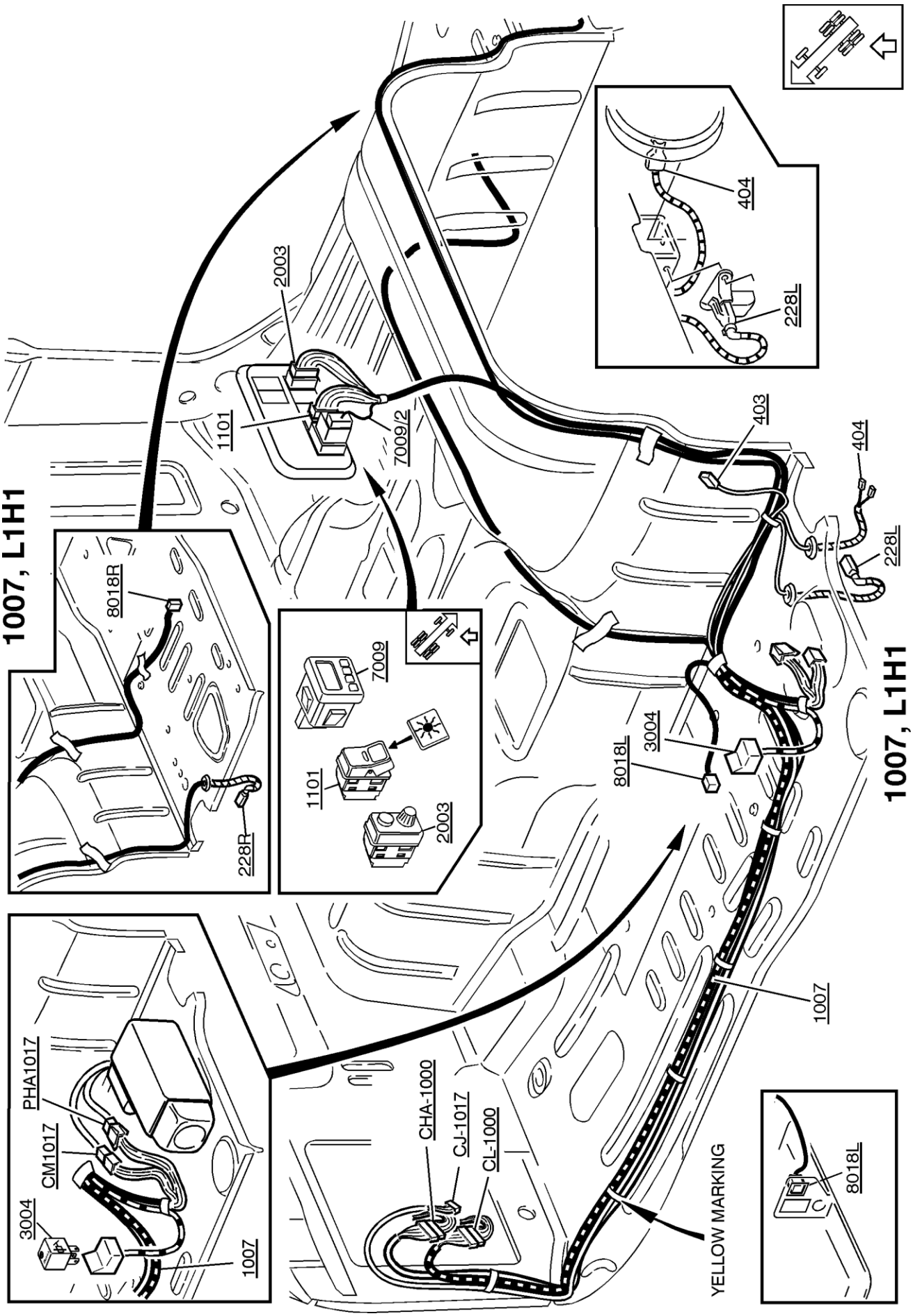

1002, 1425
7052
1002, 1425
A
1002, 1425
CABLE-B
1425
A
MA
MB
MC
CABLE-EC
1002
A

https://truckmanualshub.com/

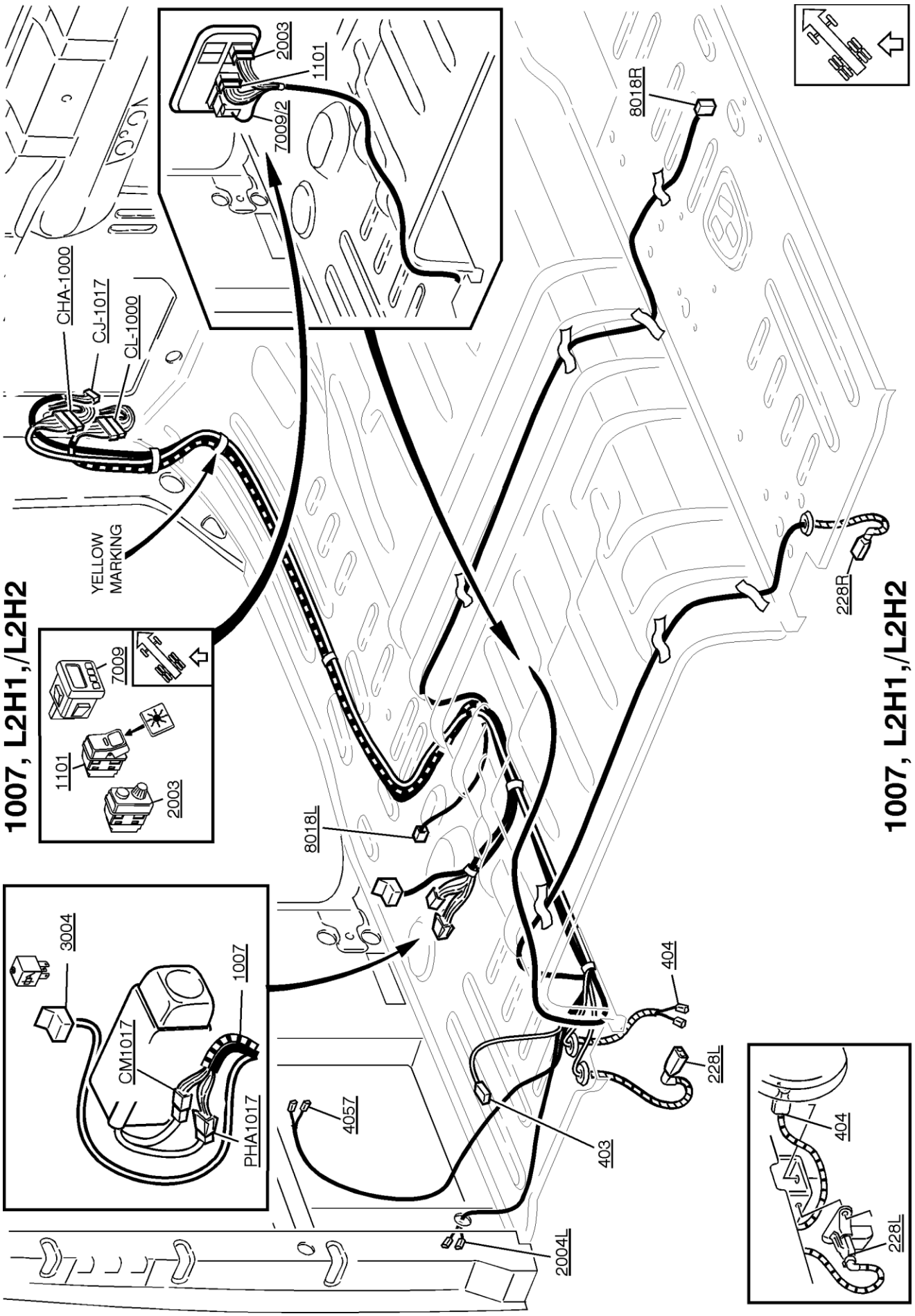


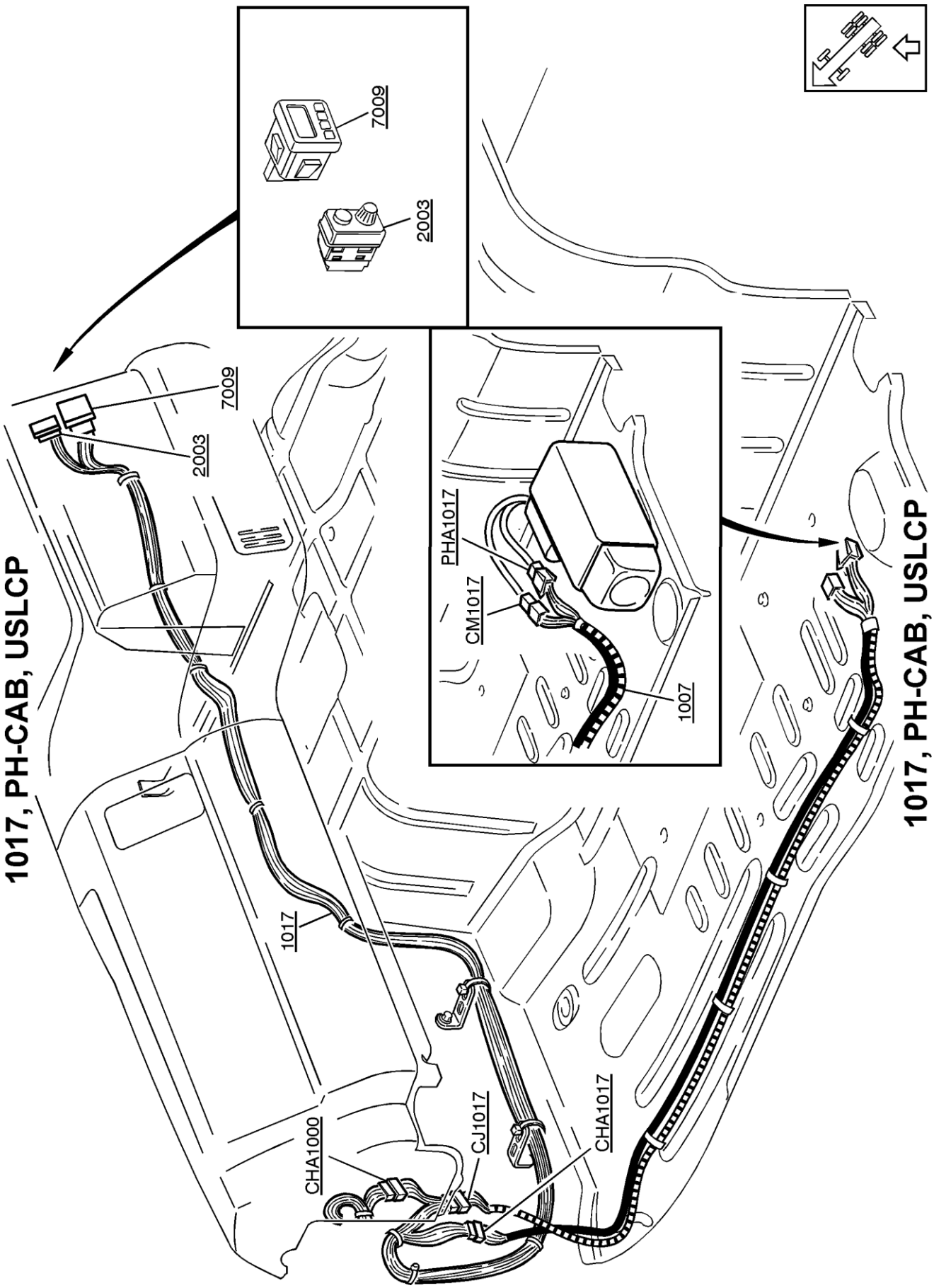

1006 L2H2
1006 L2H2
A
804
1146
7009
116B
435LU
435LL
902LR
435LF
4064
434L
9077
1402
420
435LC
435RU
972
435RL
902RR
1111
XB
116A
437
434R
435RF
435RC
421
1006
CU1000


421

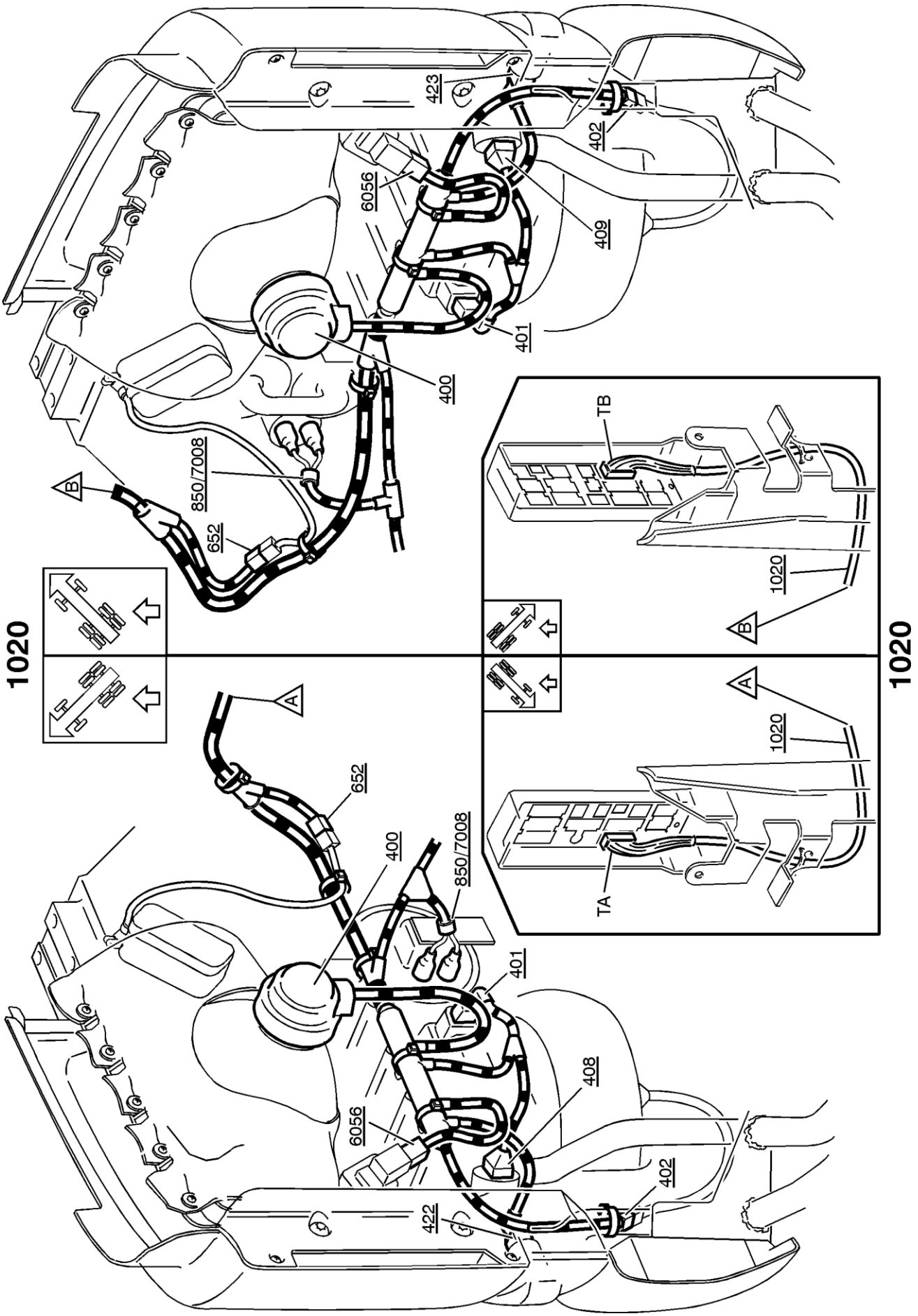

1007, L1H1
8018R
228R
7009
1101
2003
2003
1101
7009/2
404
228L
403
404
228L
8018L
3004
1007, L1H1
PHA1017
CM1017
3004
1007
CHA-1000
CJ-1017
CL-1000
1007
YELLOW MARKING
8018L

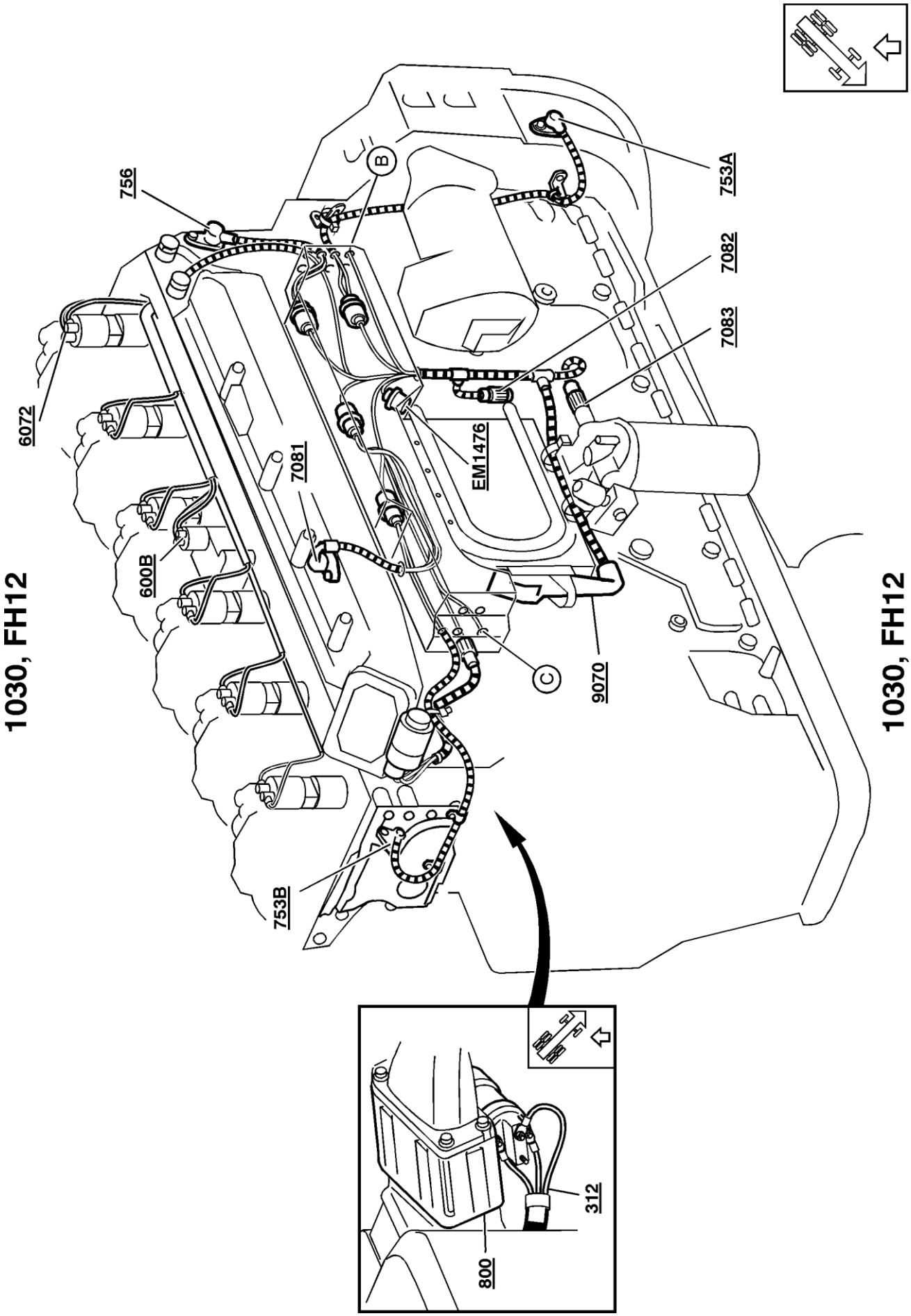
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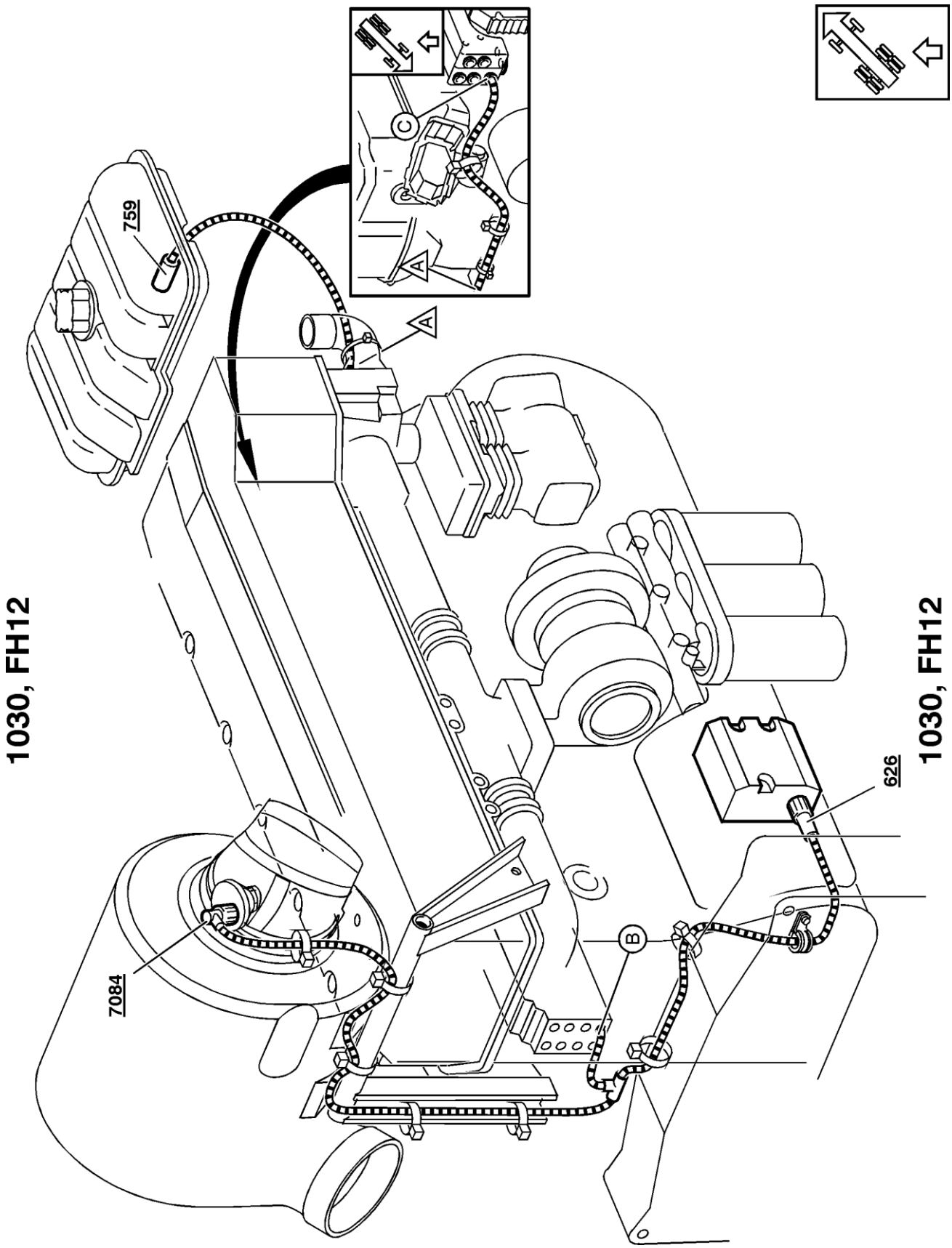

1007, L2H1,/L2H2
1007, L2H1,/L2H2
YELLOW MARKING
CHA-1000
CJ-1017
CL-1000
2003
1101
7009/2
8018R
228R
7009
1101
2003
8018L
3004
CM1017
1007
PHA1017
4057
403
404
228L
2004L
404
228L


1017, PH-CAB, USLCP
7009
2003
1017
CHA1000
CJ1017
CHA1017
PHA1017
CM1017
1007
1017, PH-CAB, USLCP

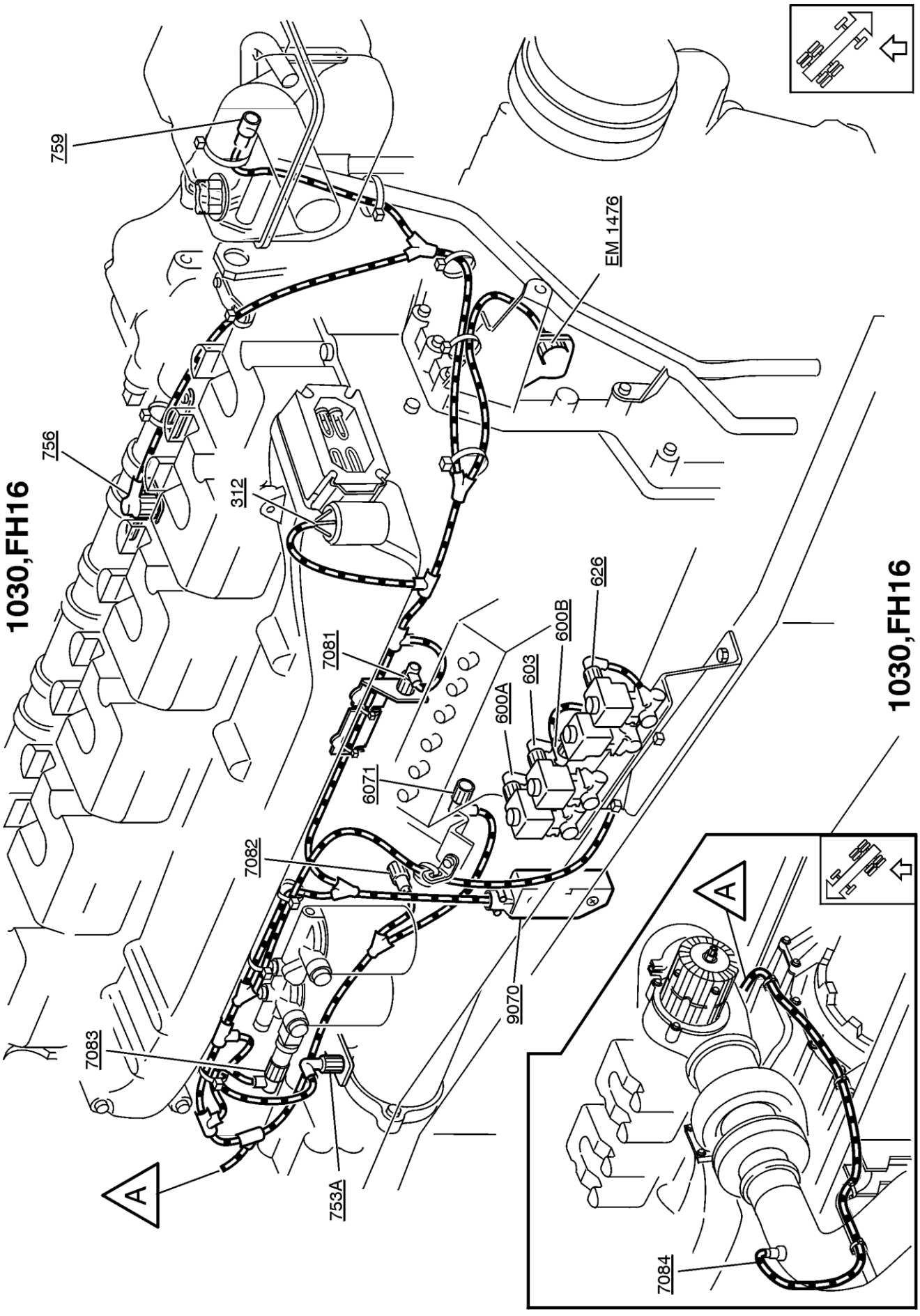
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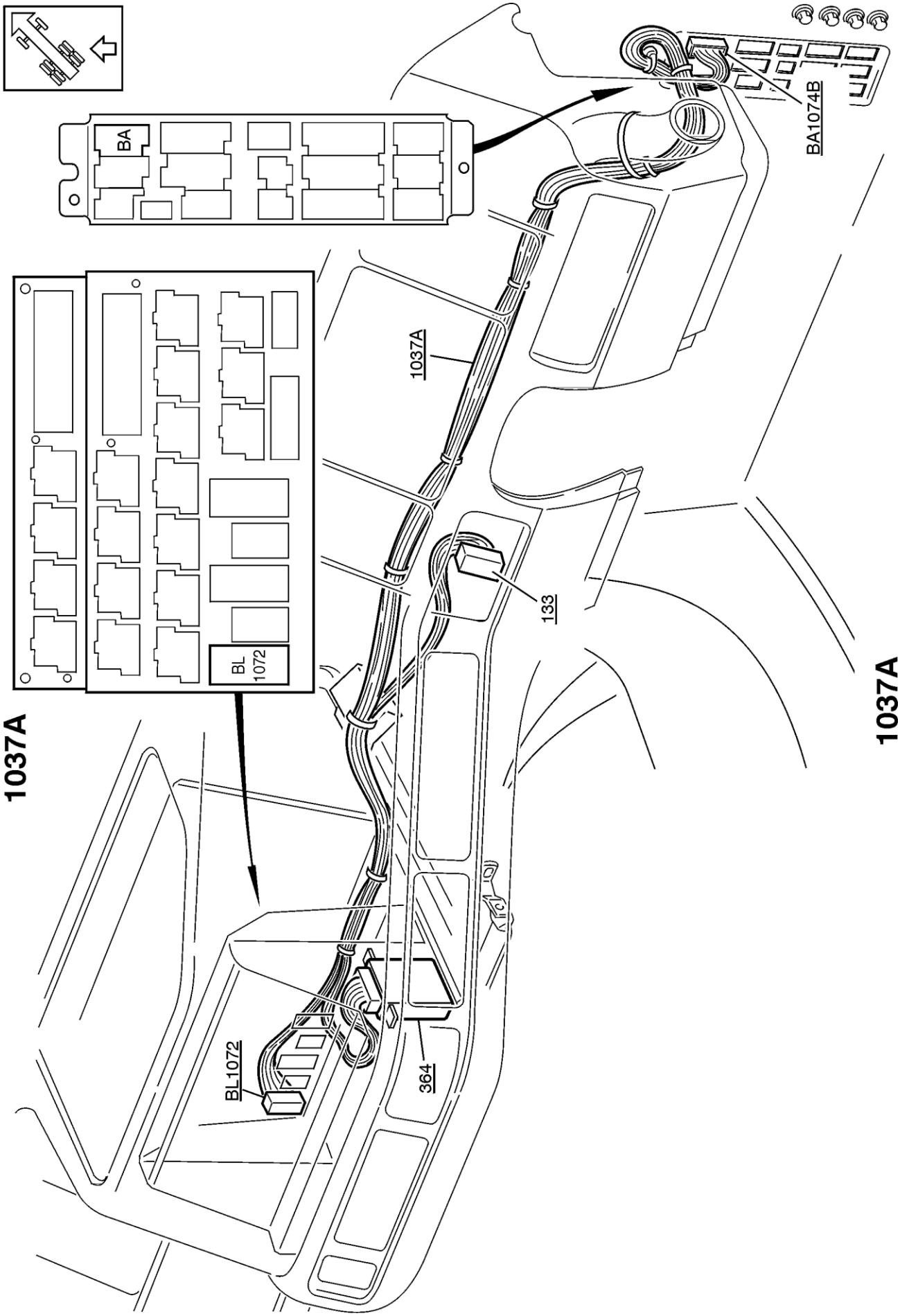

1020
1020
423
402
6056
409
401
400
850/7008
652
B
TB
1020
B
A
652
400
850/7008
1020
A
TA
401
408
6056
402
422

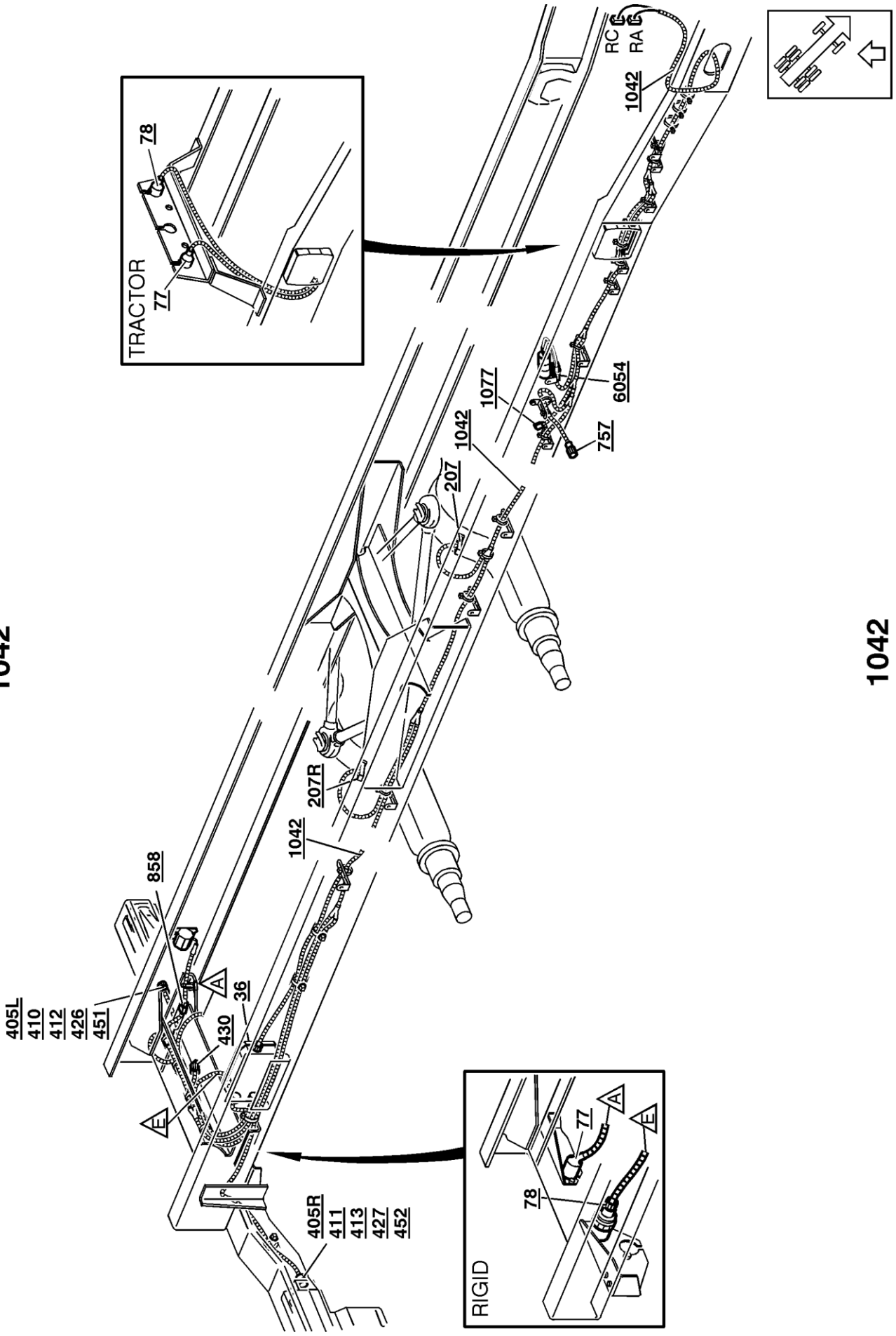

1030, FH12
1030, FH12
756
753A
7082
7083
6072
7081
EM1476
600B
9070
753B
312
800


759
A
C
A
1030, FH12
626
B
7084
1030, FH12

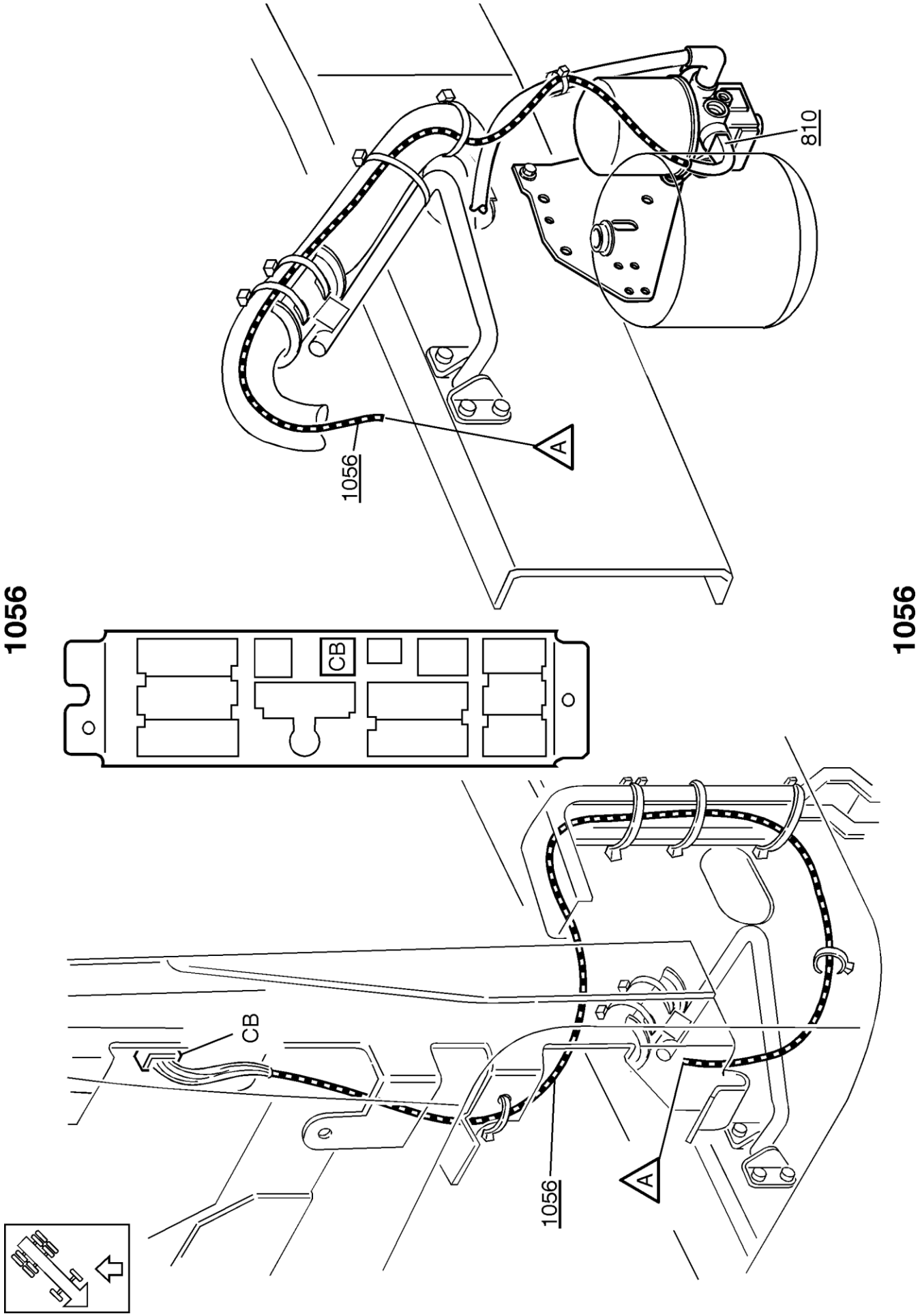
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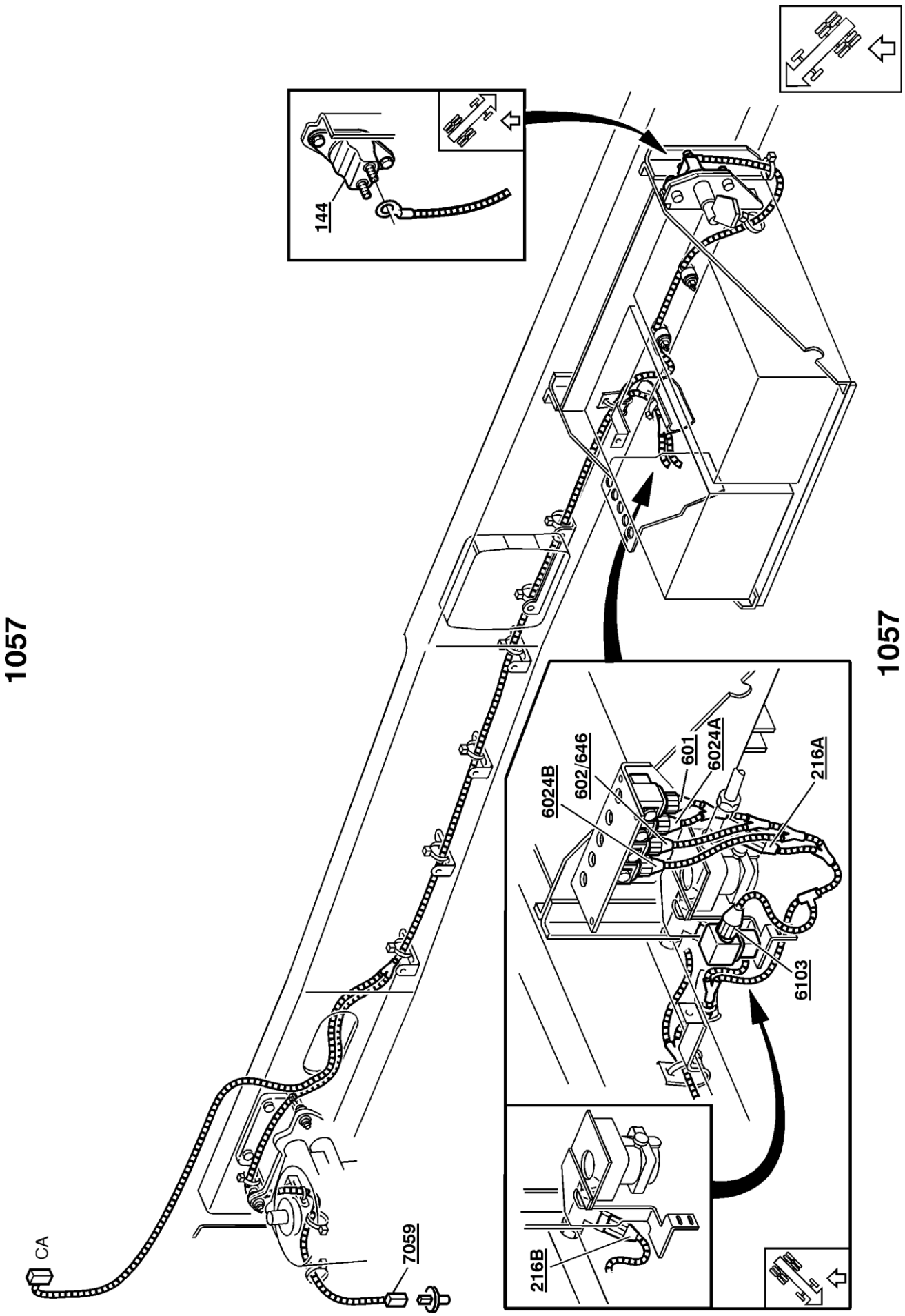

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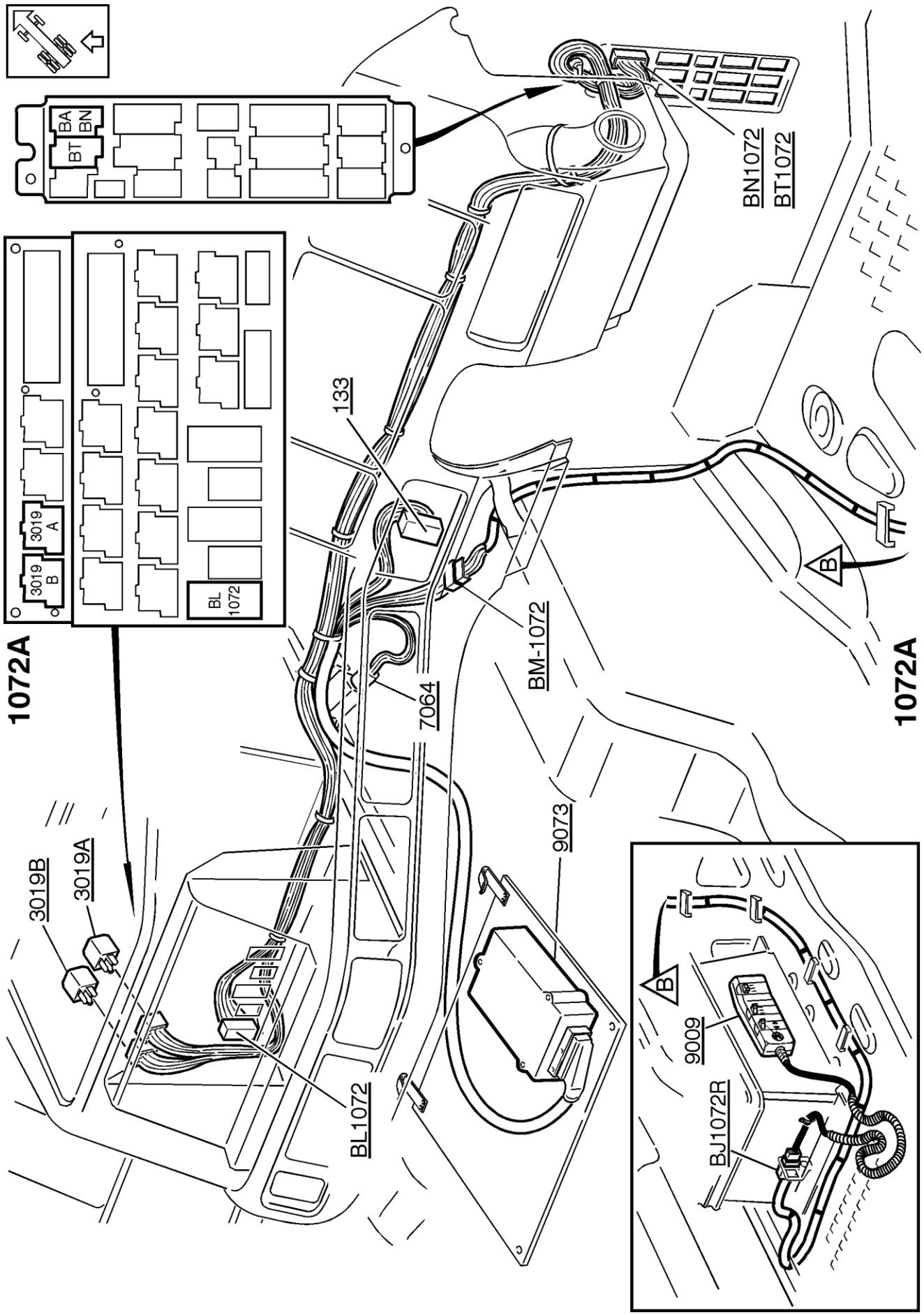

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TRACTOR
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77
RIGID
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77
A
E
RC
RA
1042
1077
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757
207
1042
207R
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405L
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405R
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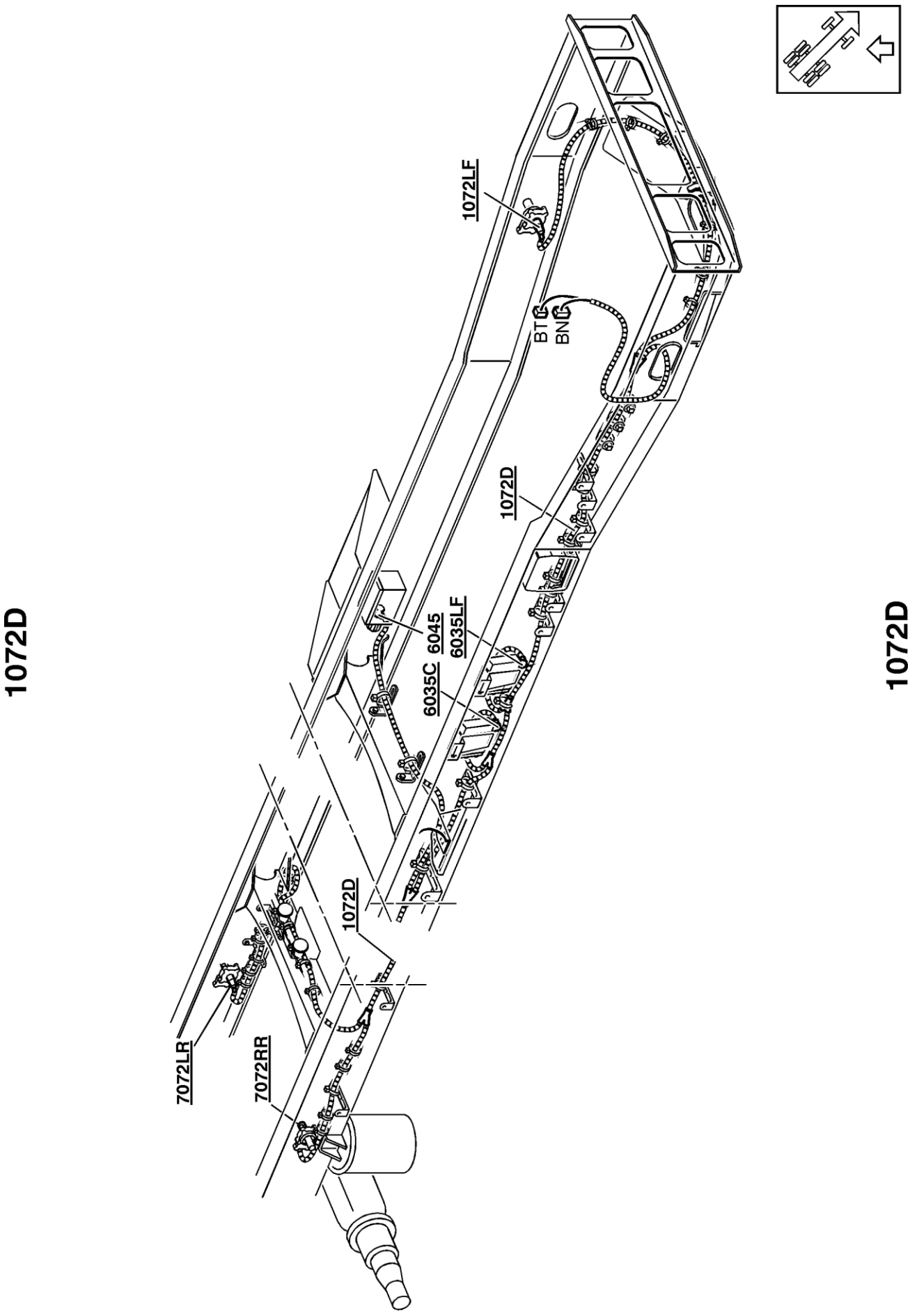


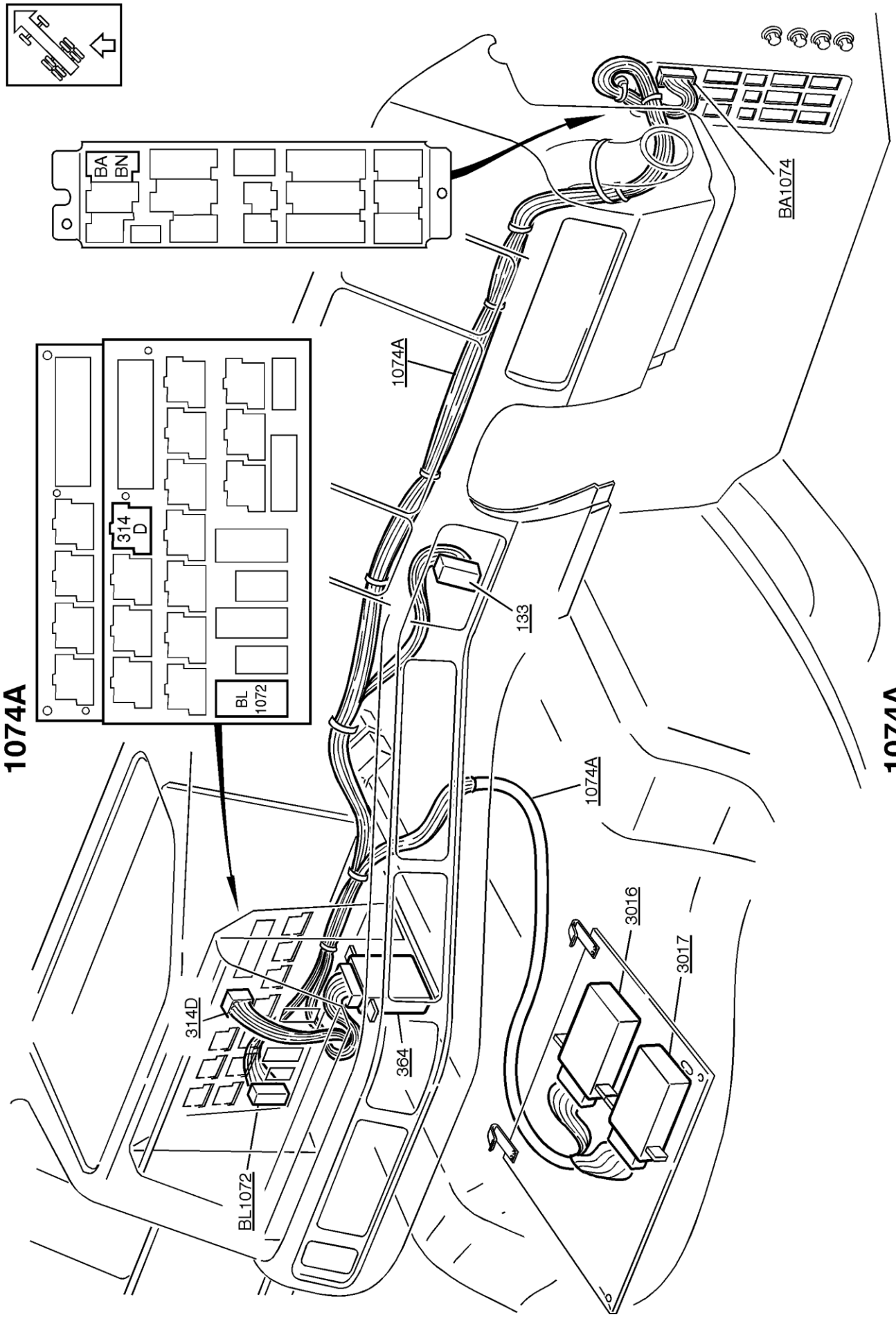
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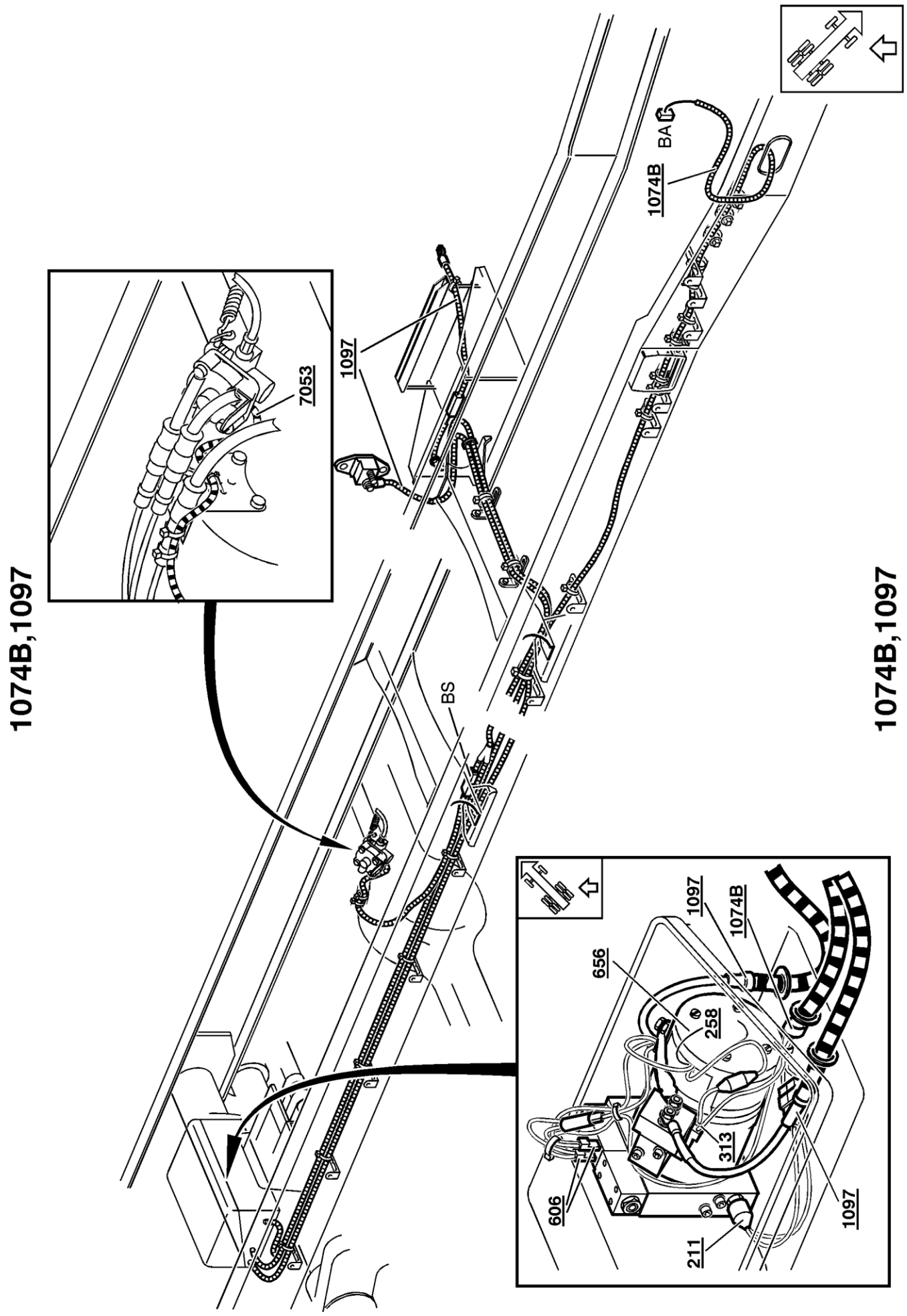



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BJ1072R
1072A

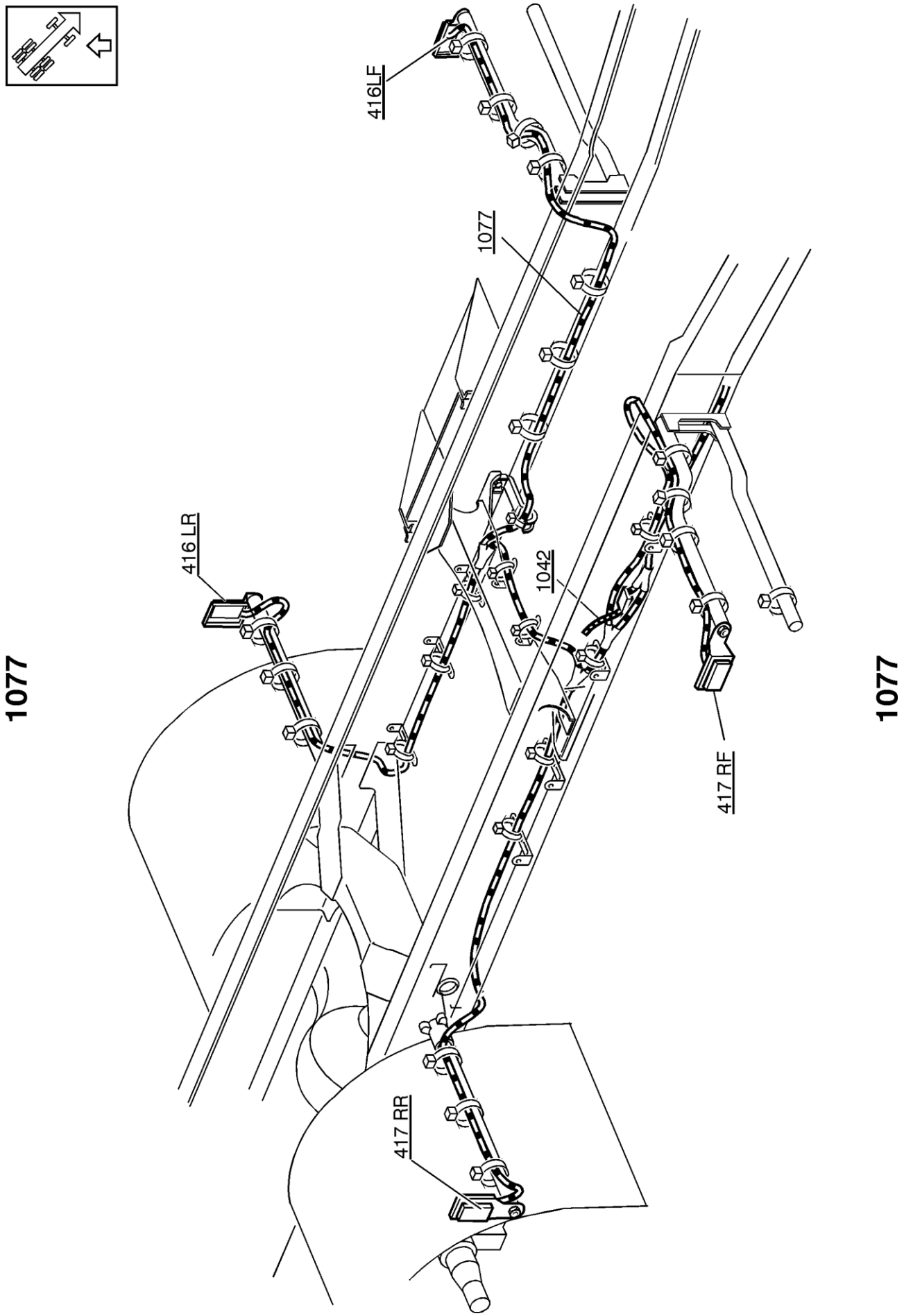
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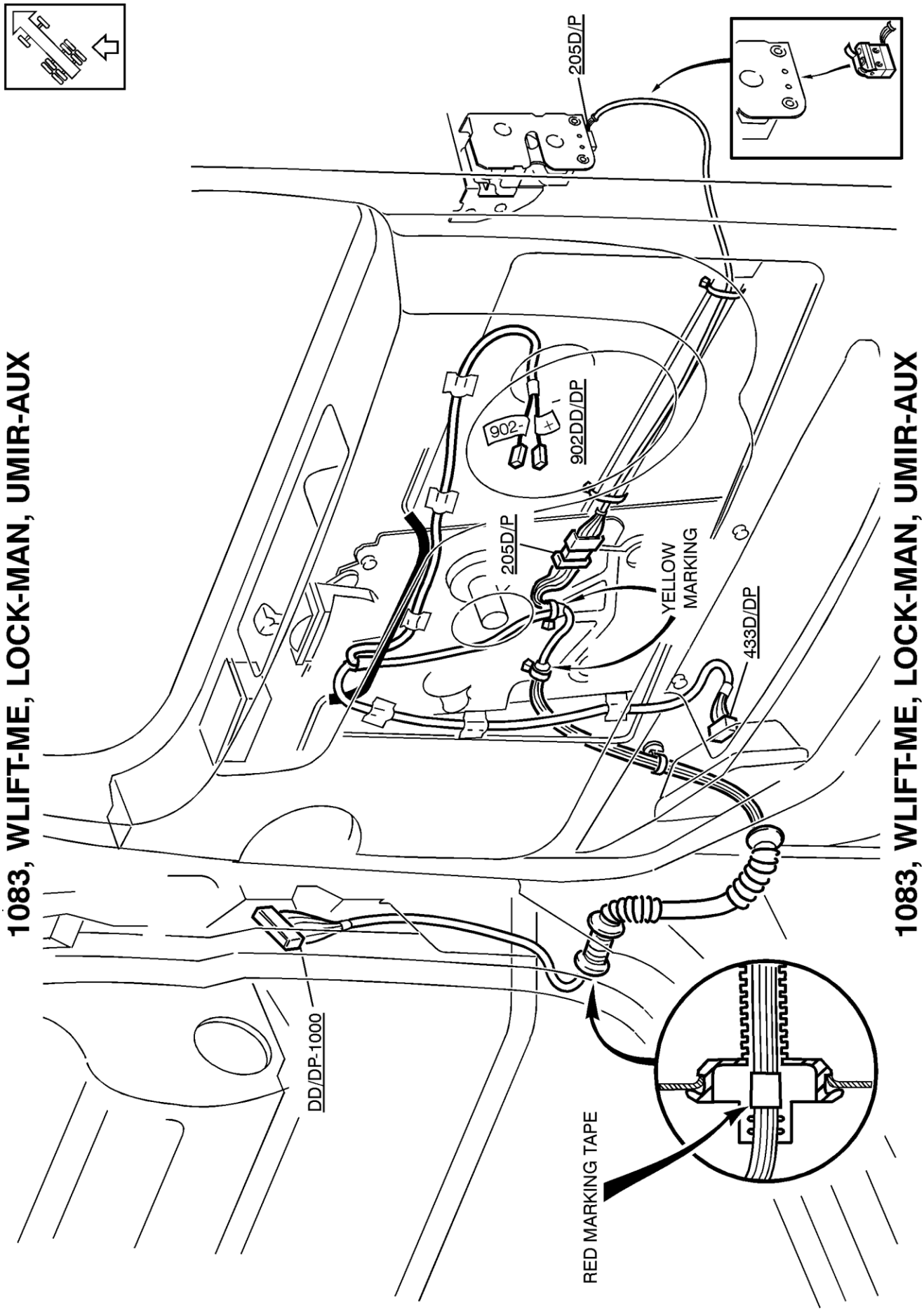


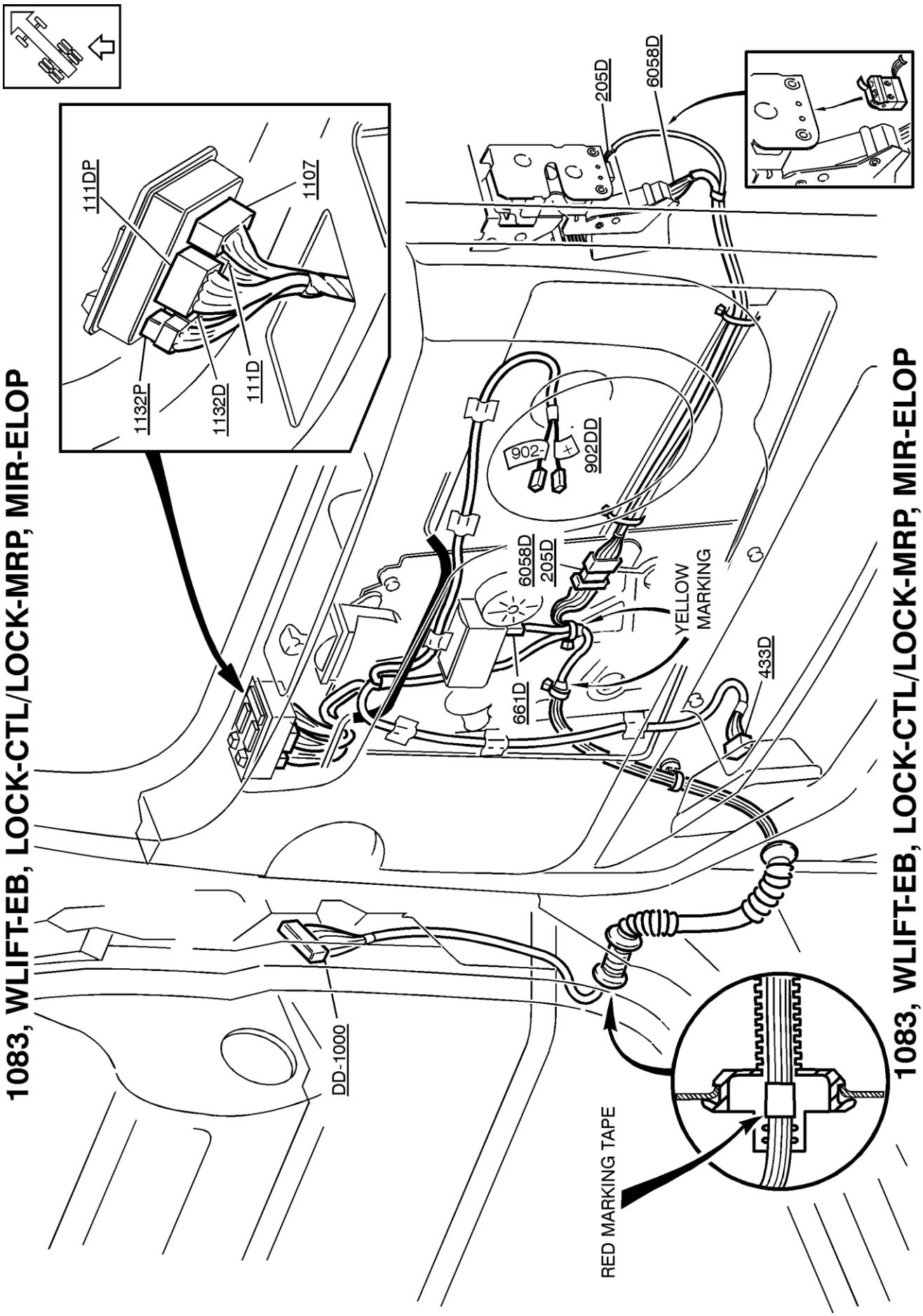

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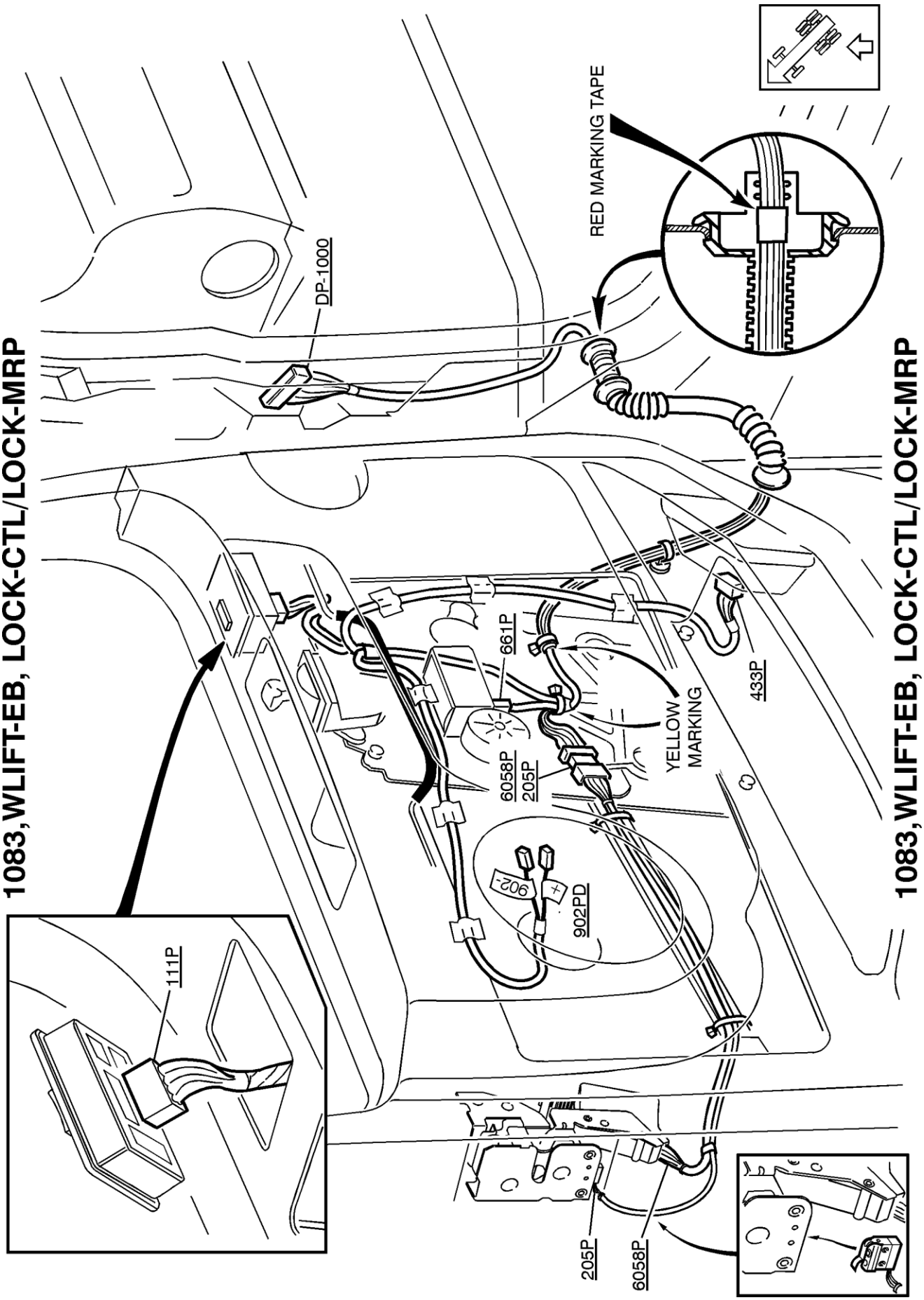

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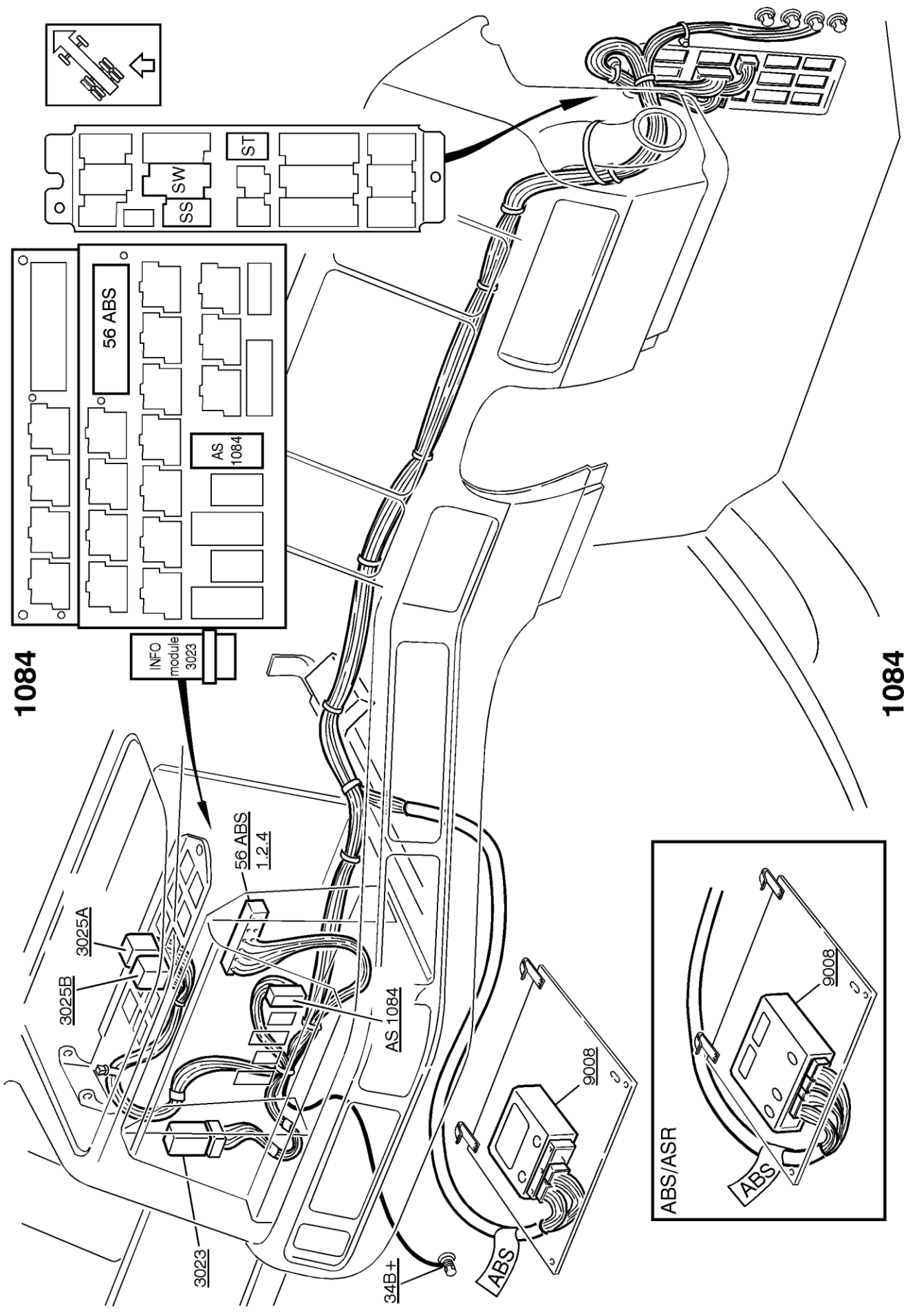
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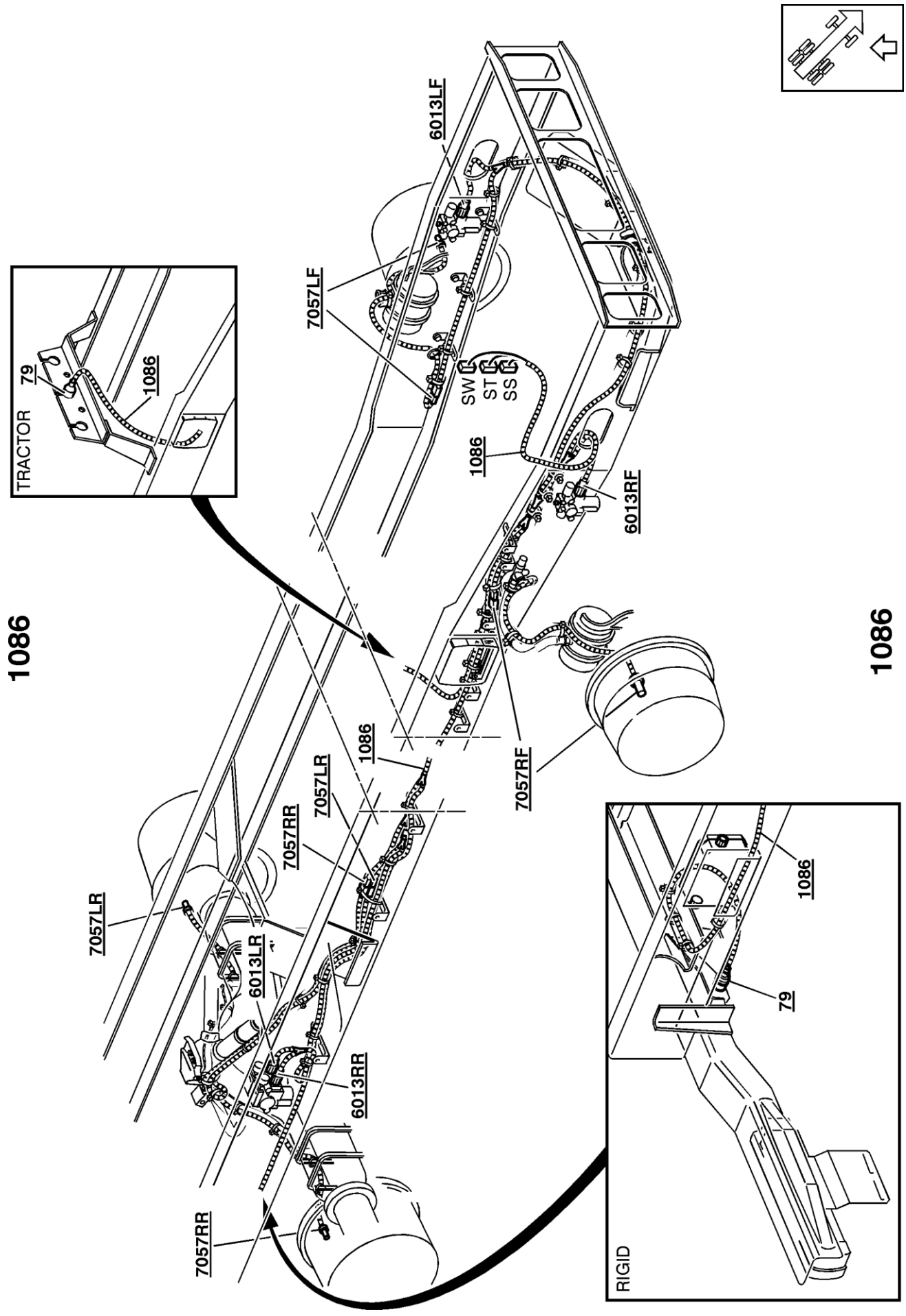

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416 LR
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417 RF
417 RR
1077
1077

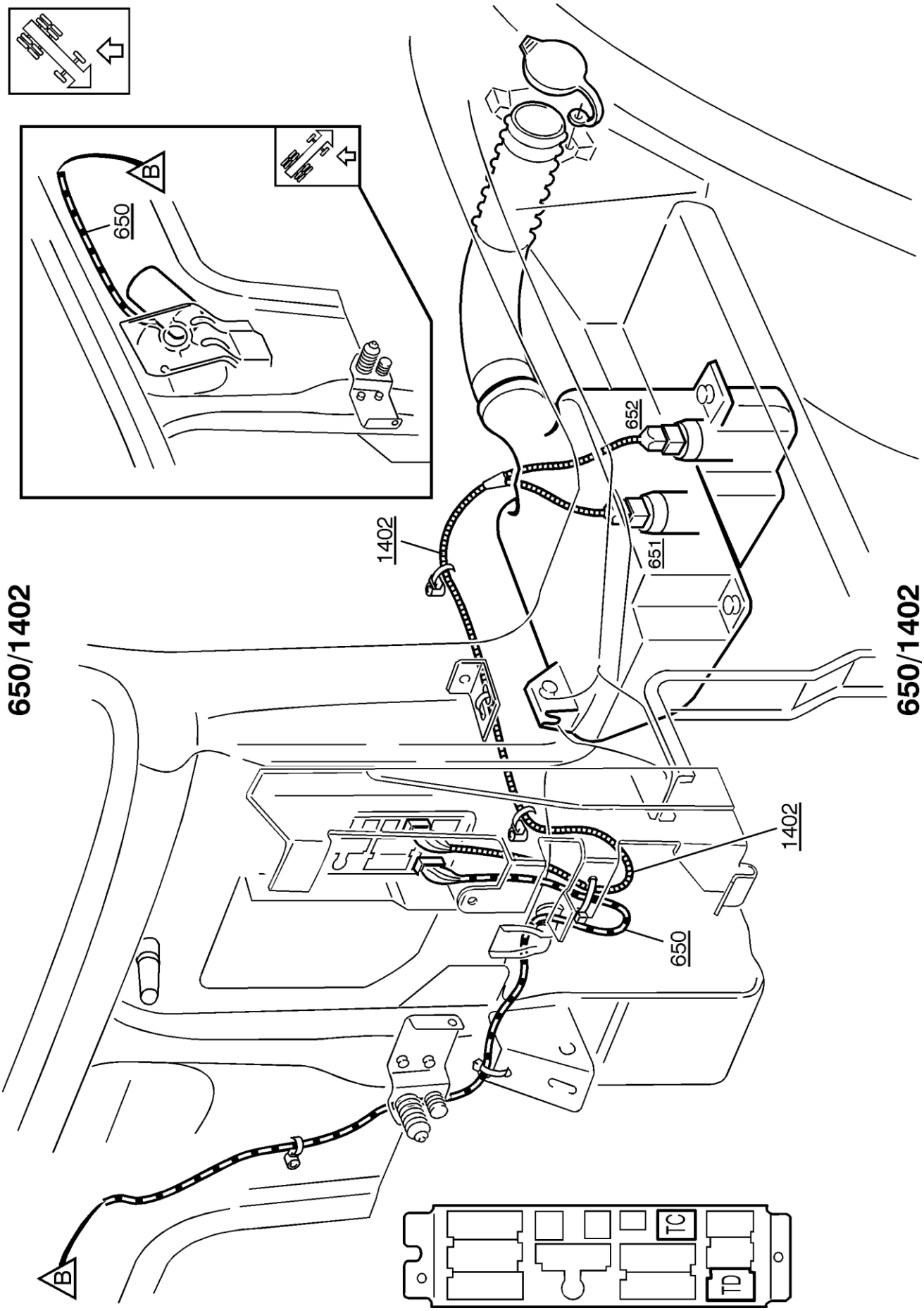

1083, WLIFT-ME, LOCK-MAN, UMIR-AUX
205D/P
902-
+
902DD/DP
205D/P
YELLOW MARKING
433D/DP
DD/DP-1000
RED MARKING TAPE
1083, WLIFT-ME, LOCK-MAN, UMIR-AUX


1083, WLIFT-EB, LOCK-CTL/LOCK-MRP, MIR-ELOP
111DP
1107
1132P
1132D
111D
205D
6058D
902-
+
902DD
6058D
205D
661D
YELLOW MARKING
433D
DD-1000
RED MARKING TAPE
1083, WLIFT-EB, LOCK-CTL/LOCK-MRP, MIR-ELOP

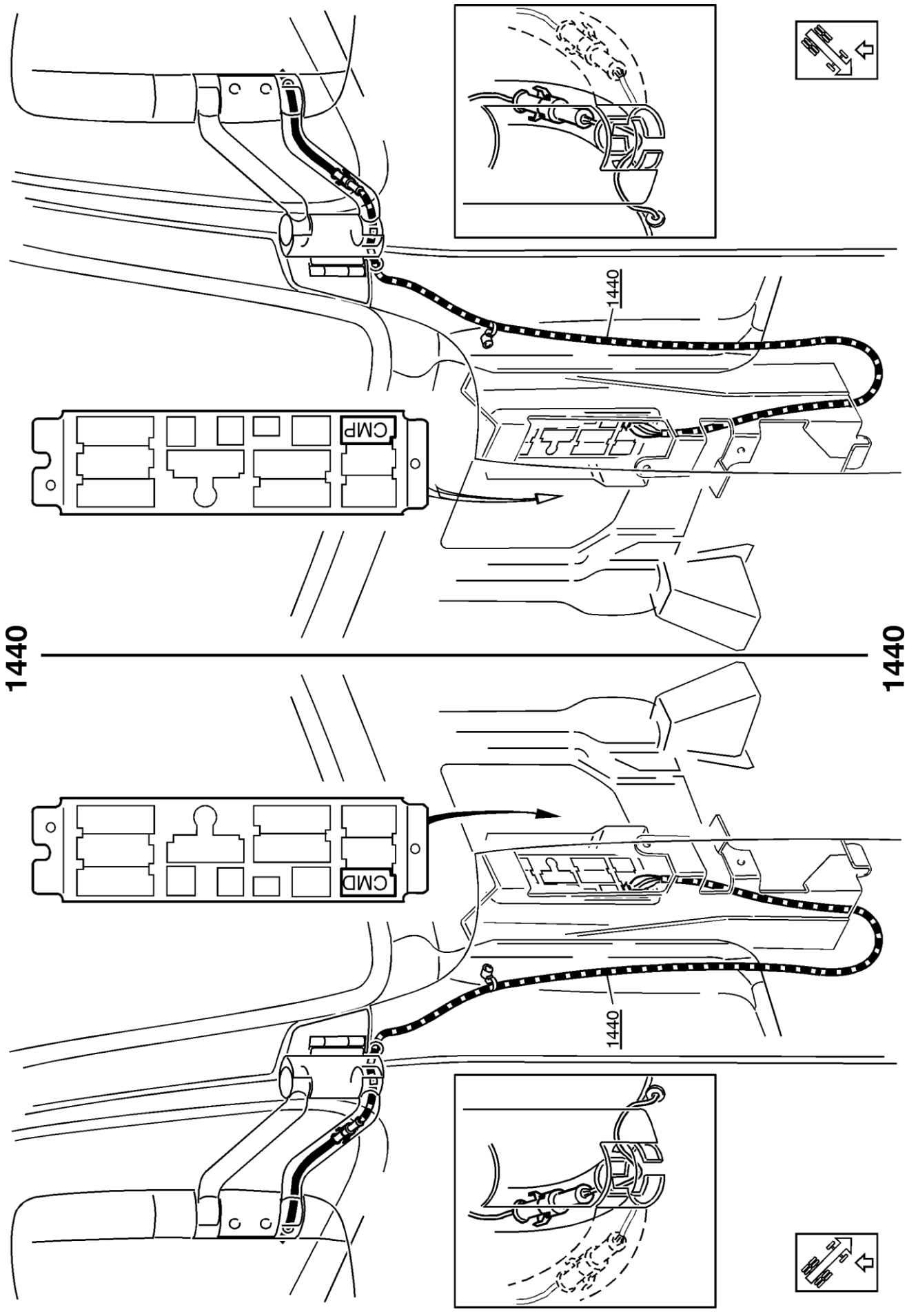

1083,WLIFT-EB, LOCK-CTL/LOCK-MRP
1083,WLIFT-EB, LOCK-CTL/LOCK-MRP
RED MARKING TAPE
DP-1000
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661P
6058P
205P
902-
902+
902PD
YELLOW MARKING
433P
205P
6058P

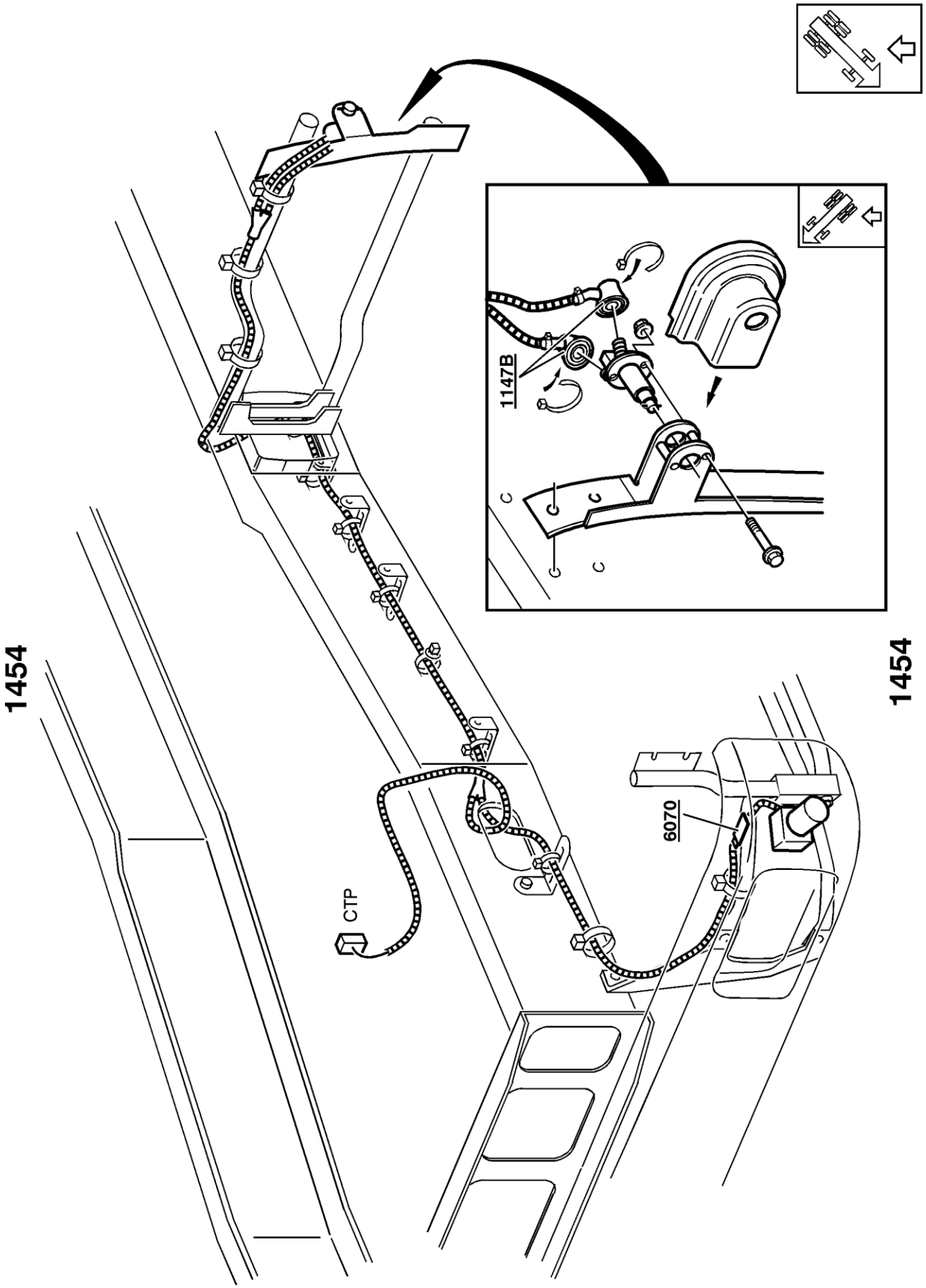

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SW
SS
ST
56 ABS
AS 1084
INFO module 3023
56 ABS 1.2.4
3025A
3025B
AS 1084
9008
3023
34B+
ABS
ABS/ASR
9008
ABS

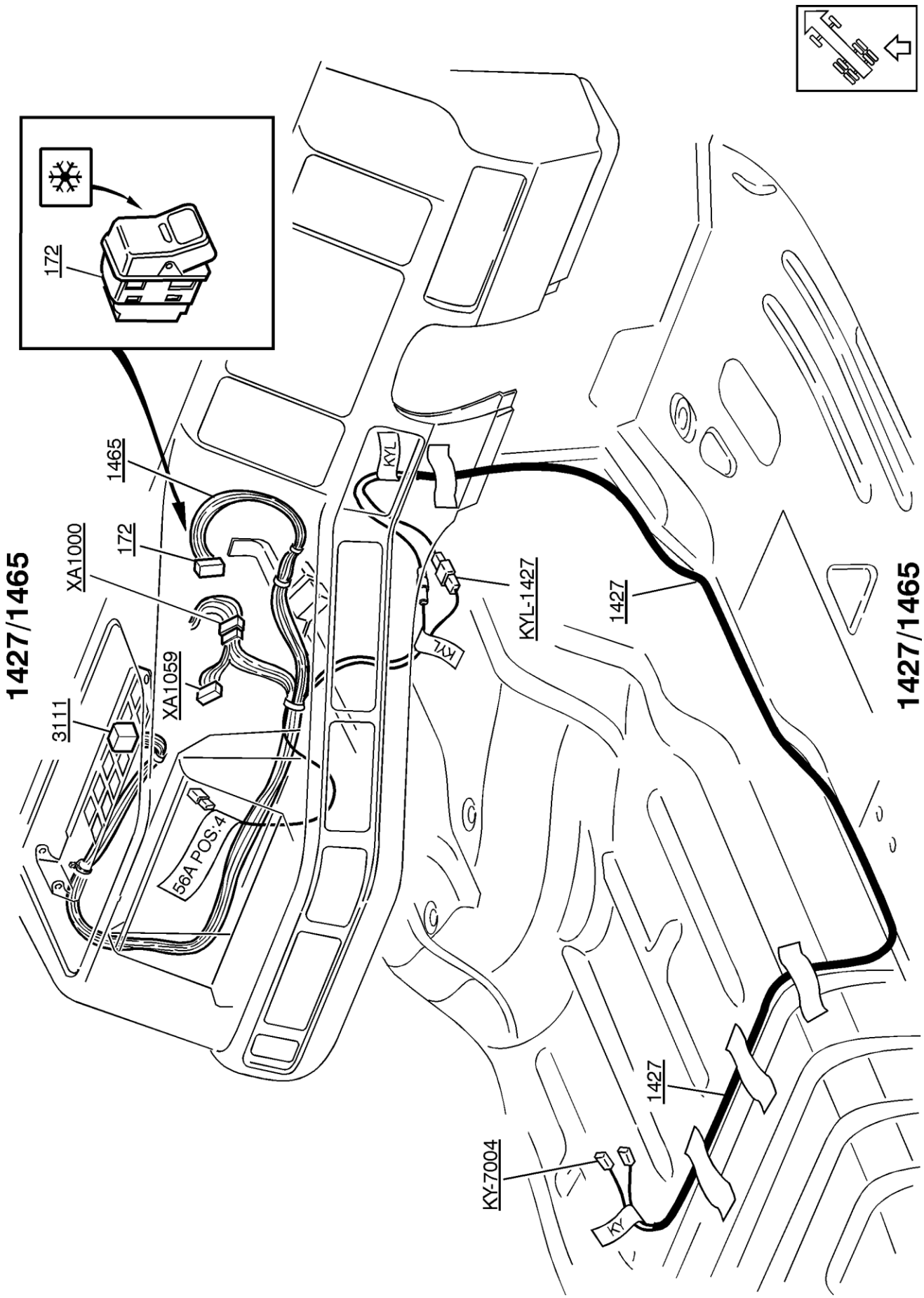

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7057LF
SW
ST
SS
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6013RF
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RIGID
1086
79

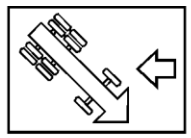

650/1402
650/1402
650
651
652
1402
1402
650
B
B
TC
TD

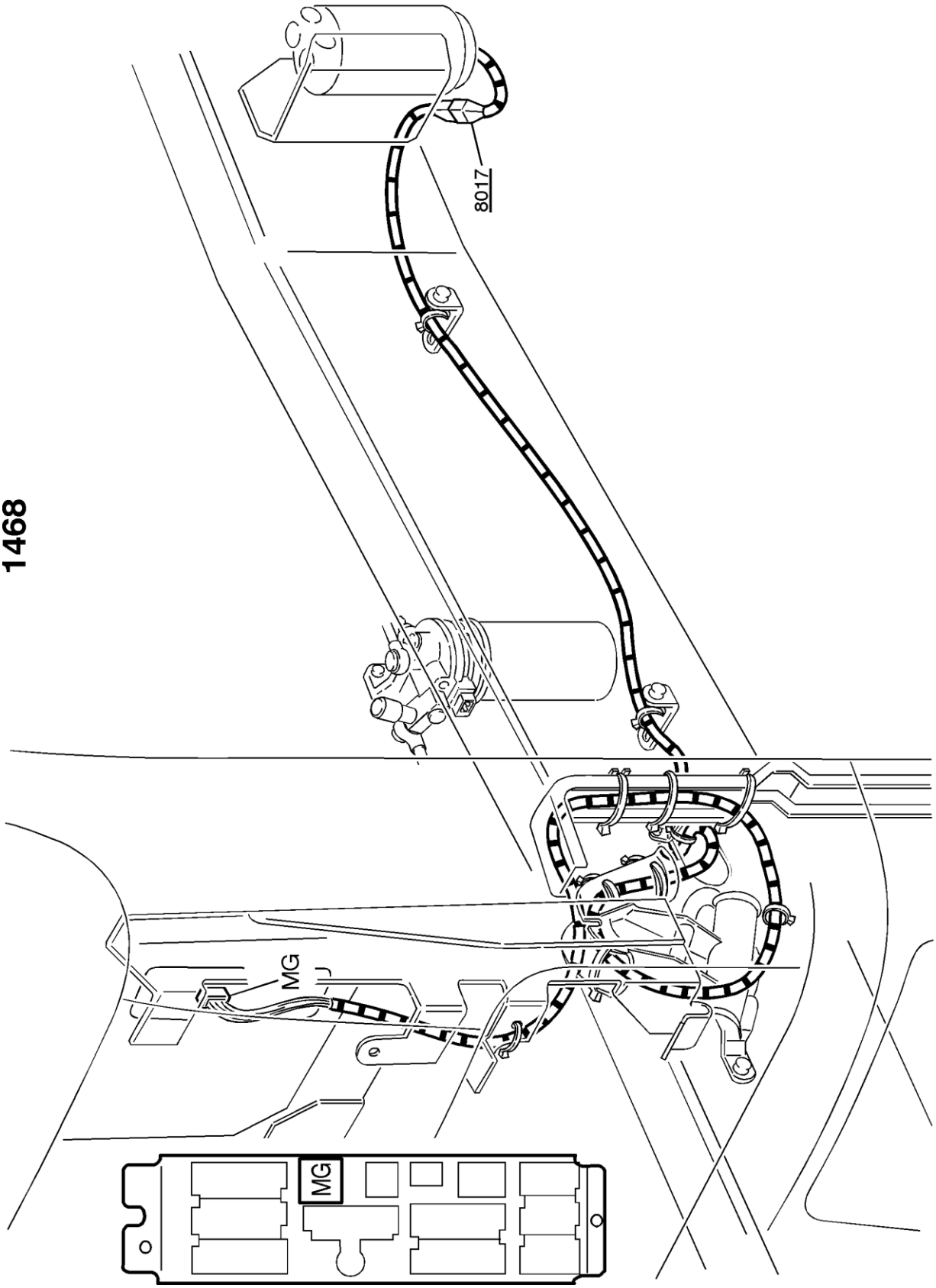
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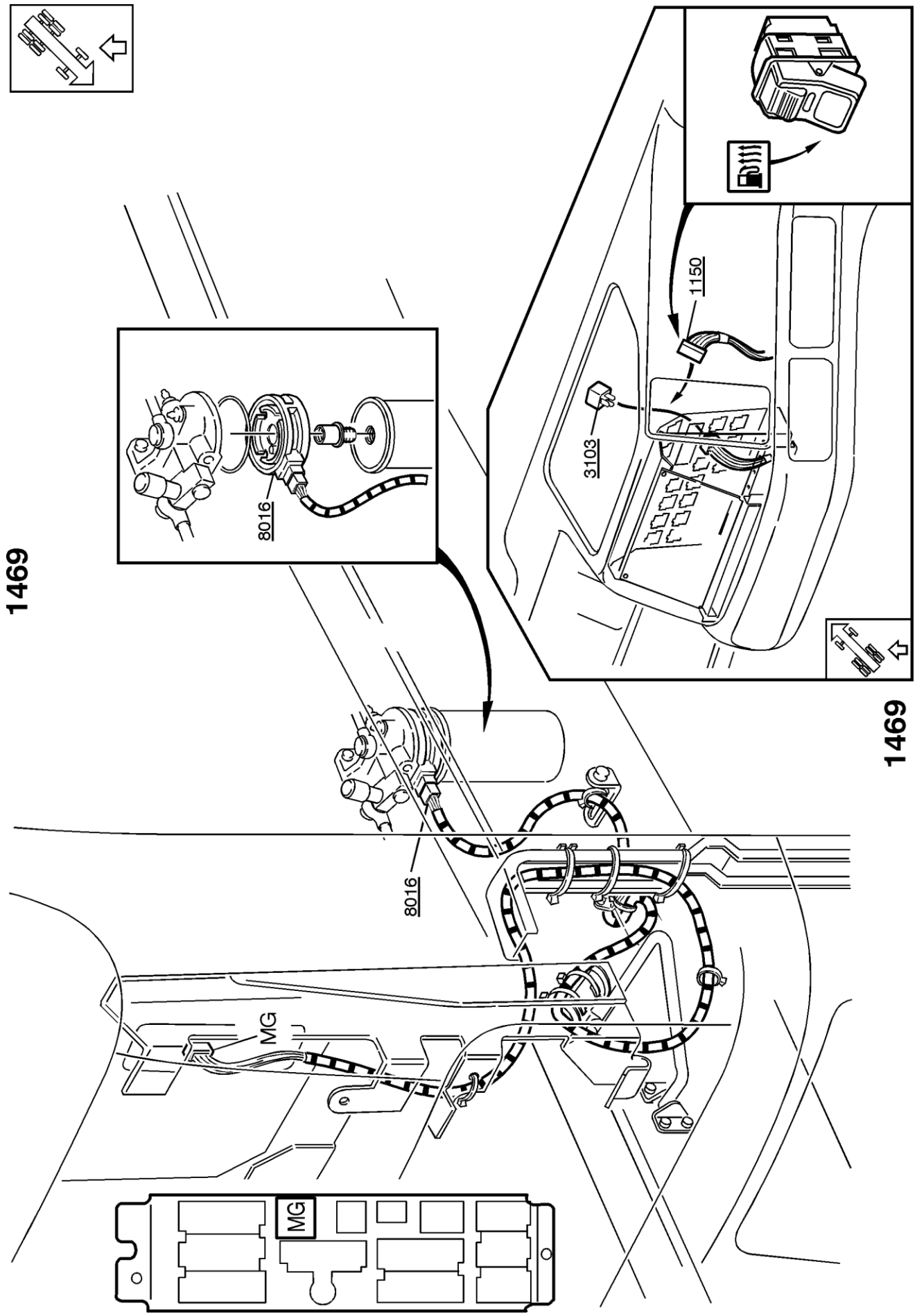

1454
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6070
CTP


1427/1465
172
1465
XA1000
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XA1059
3111
56A POS:4
KYL
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KY-7004
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KY
1427/1465

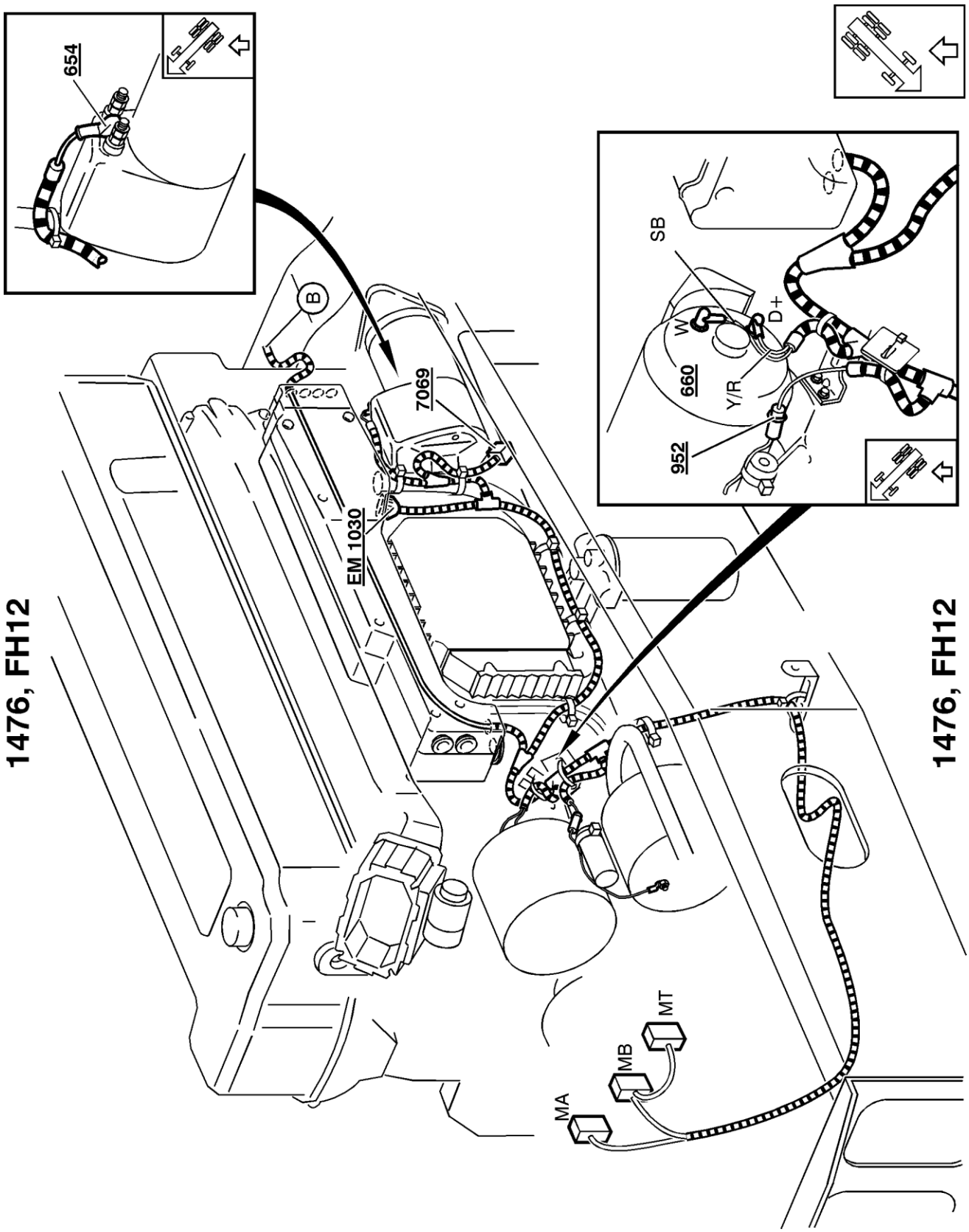


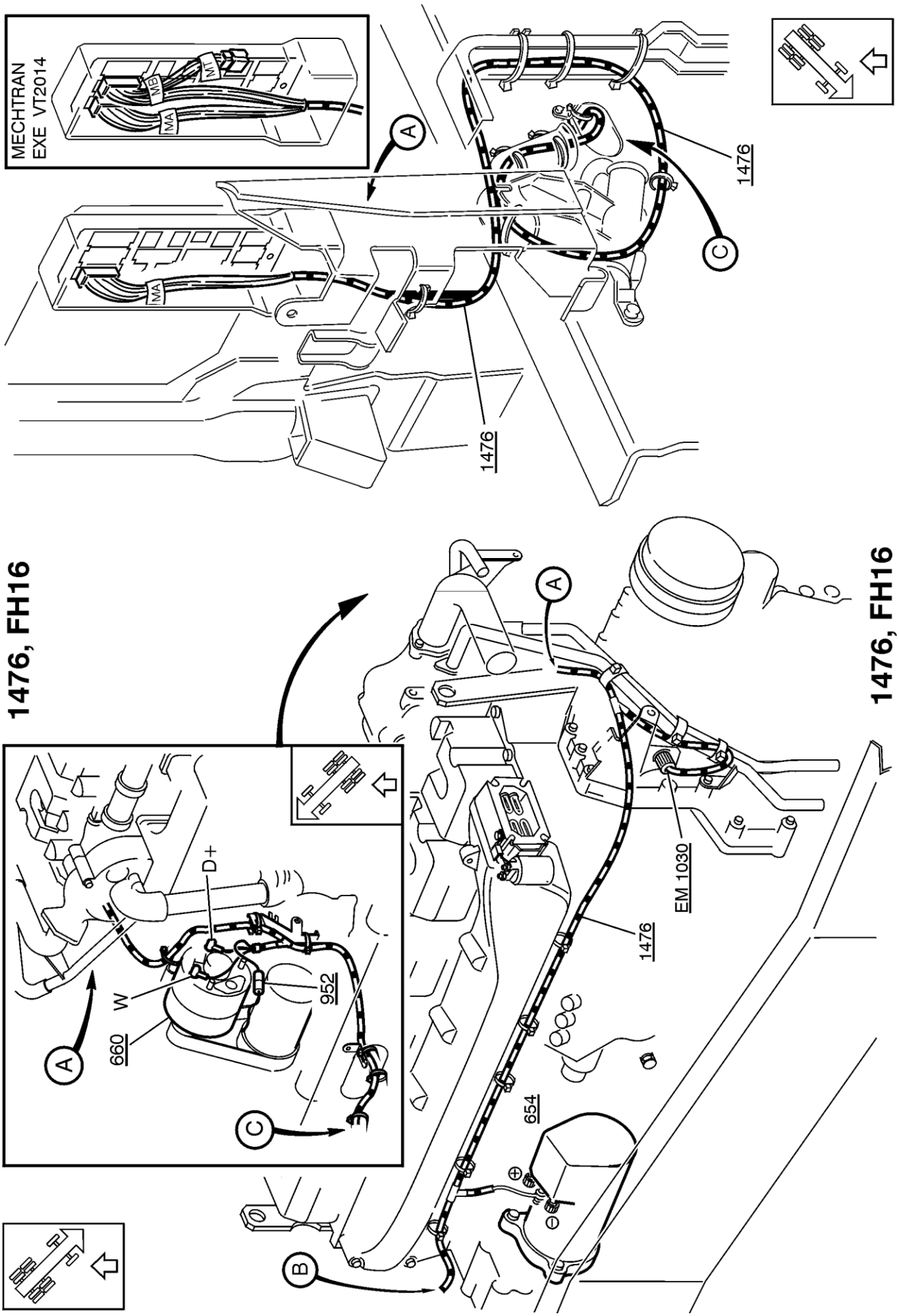

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MG
MG

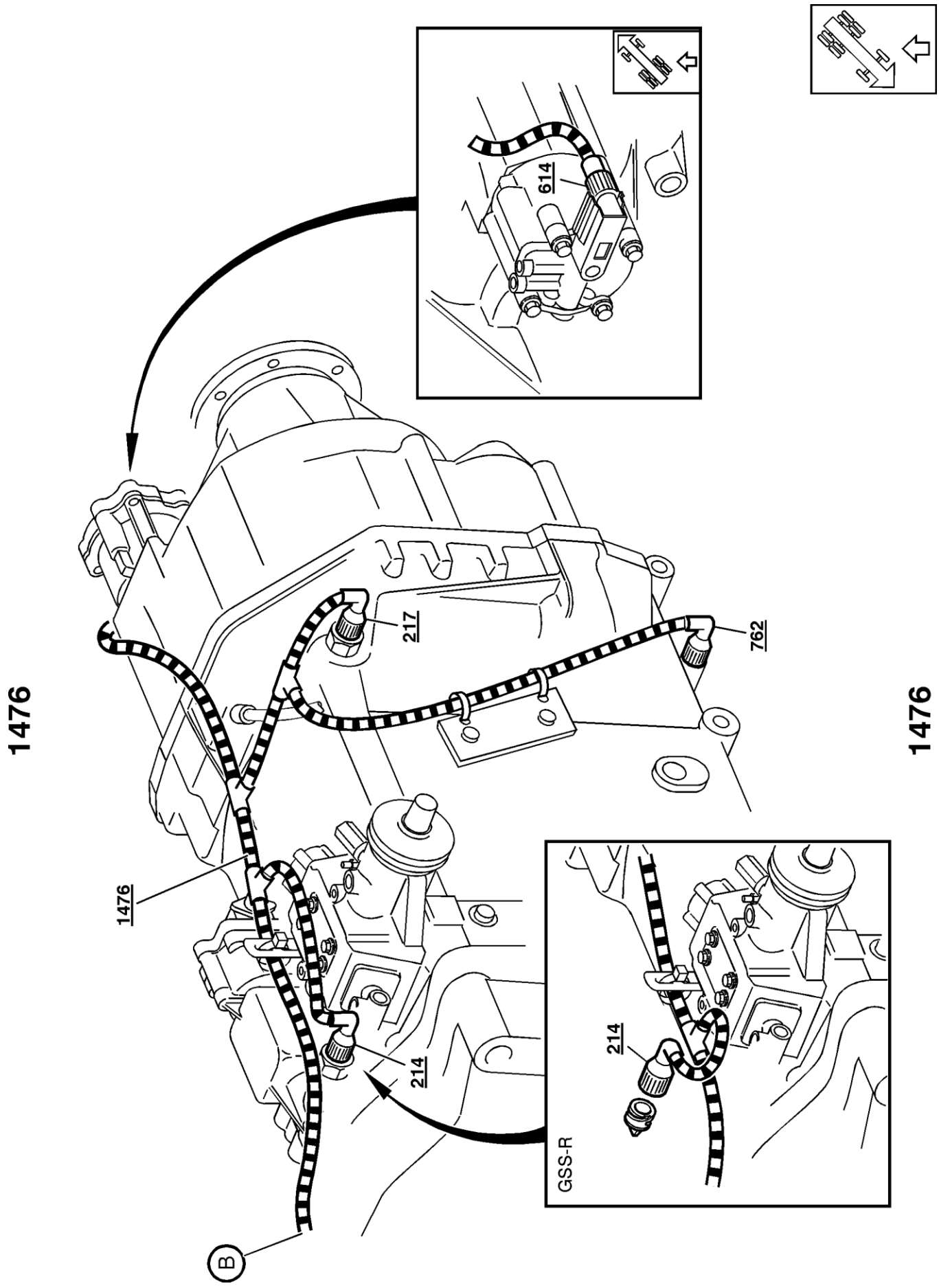
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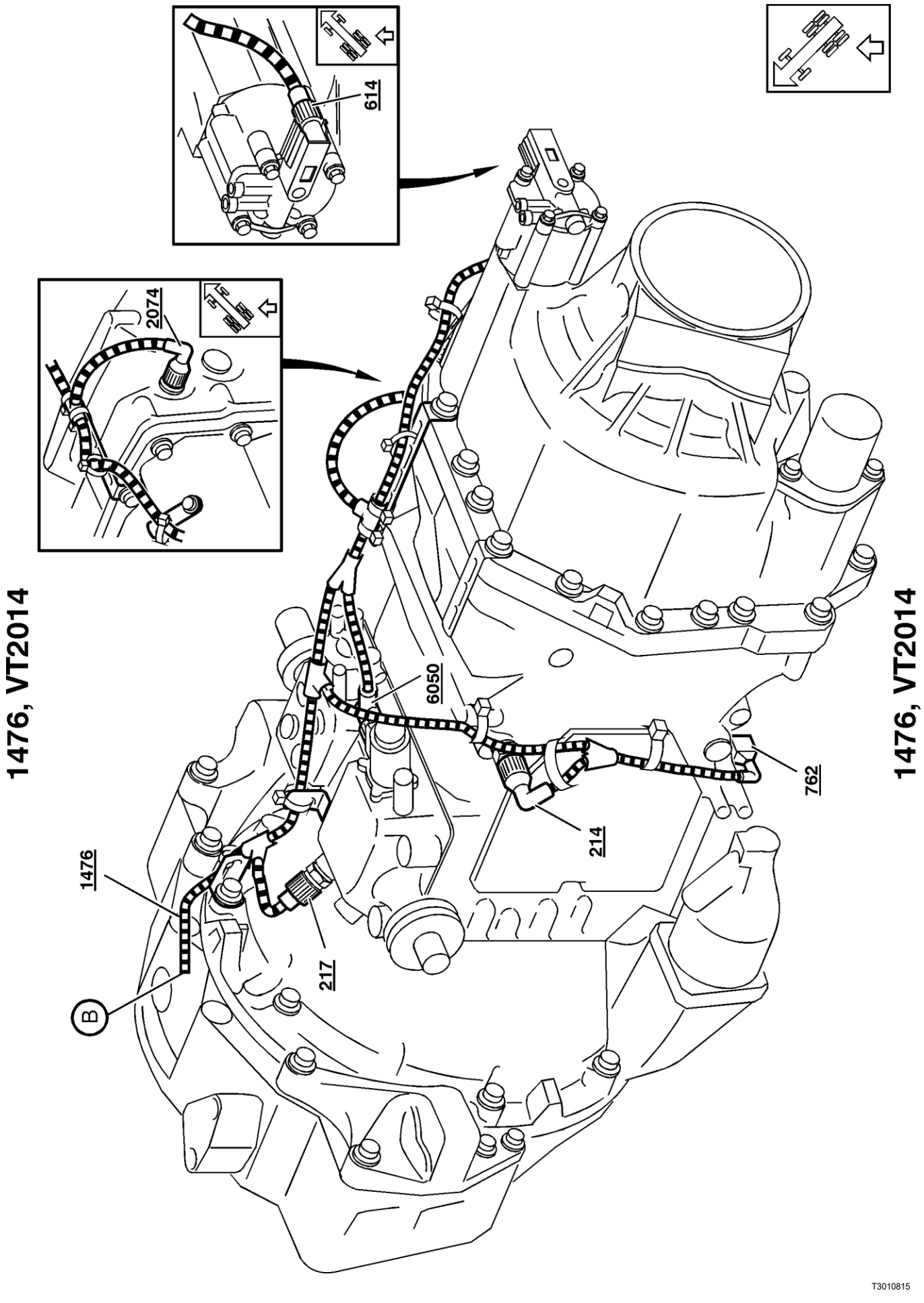


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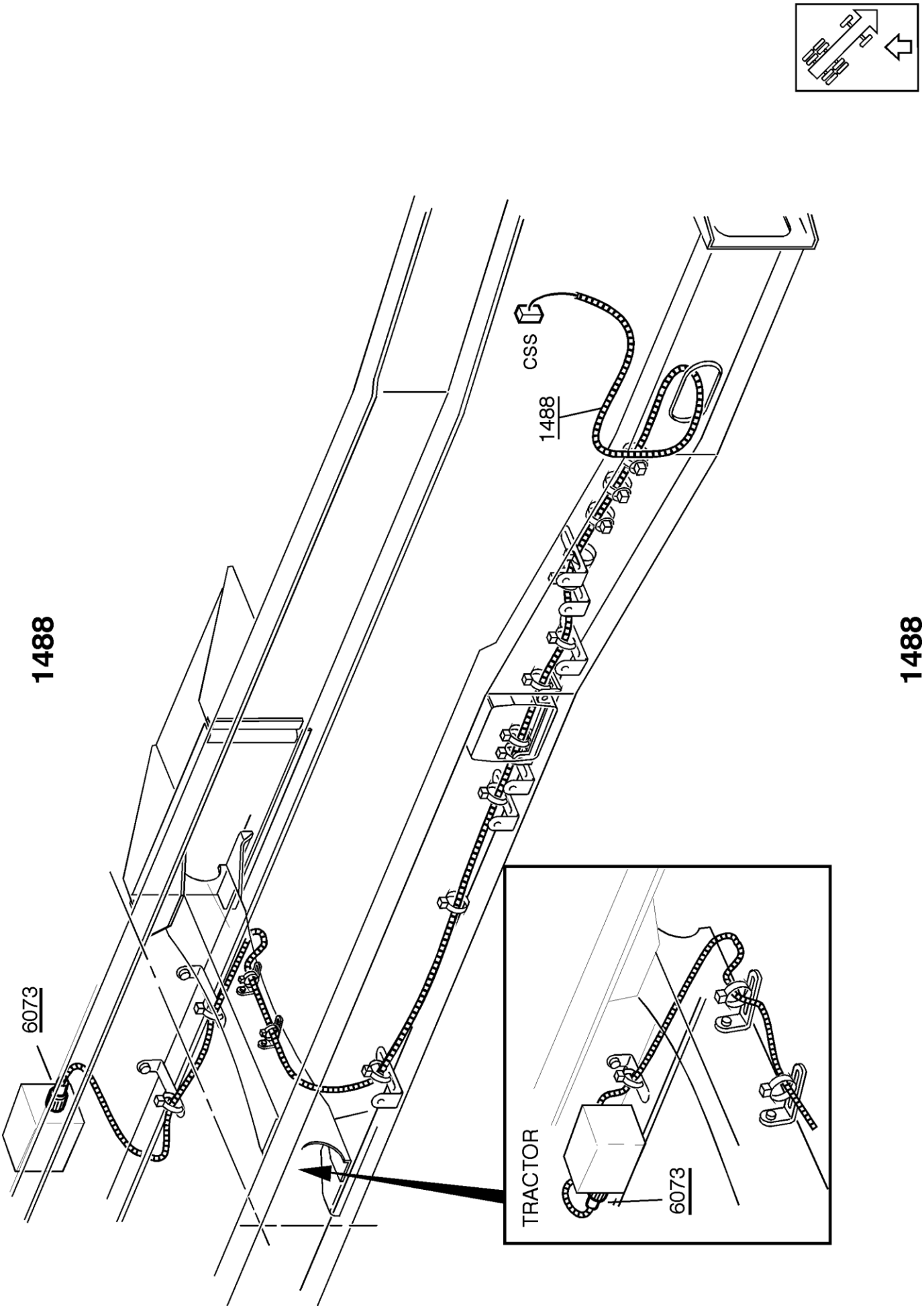



MECHTRAN
EXE VT2014
MB
MA
MA
A
C
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1476, FH16
A
D+
W
660
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C
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EM 1030
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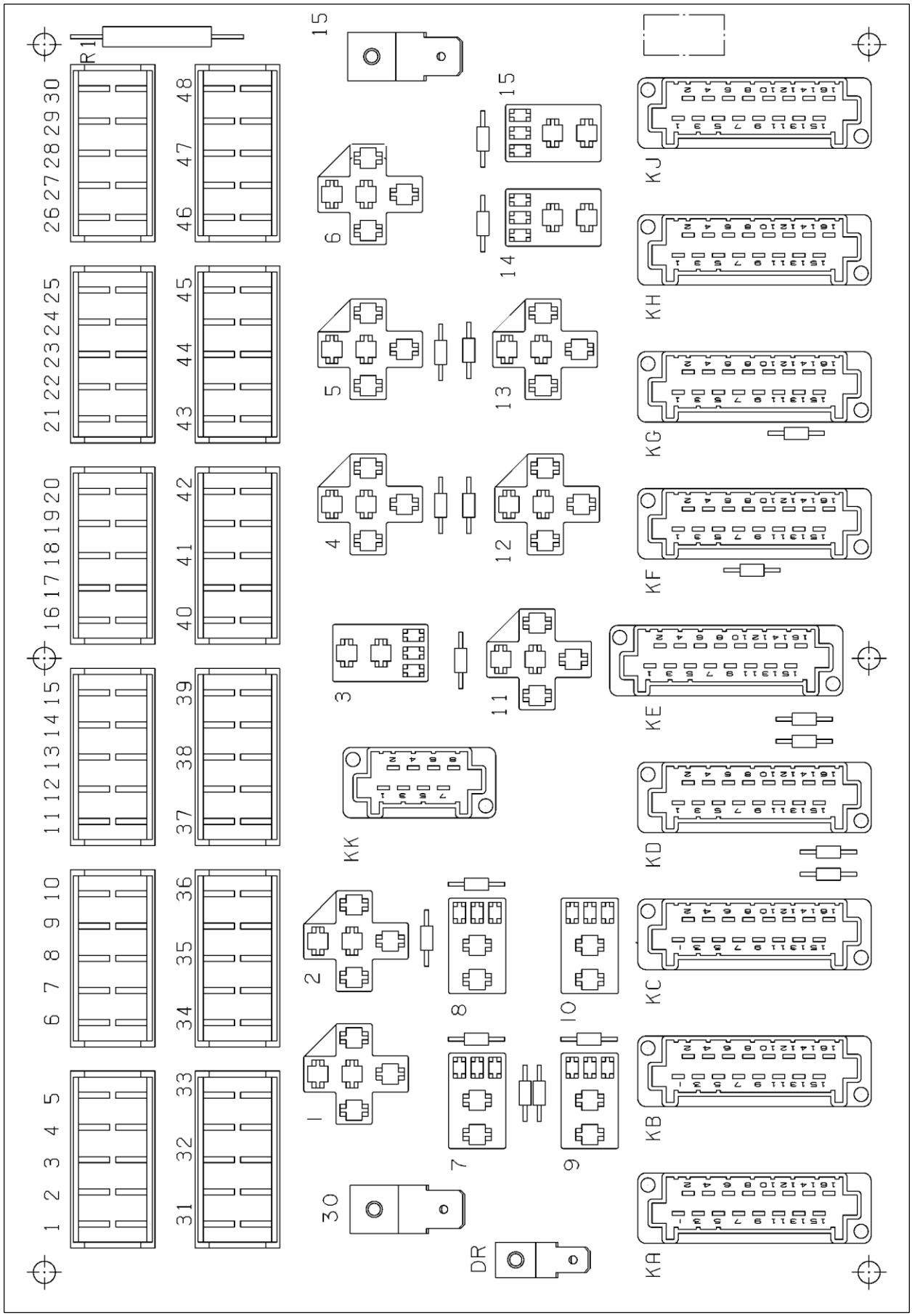

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214
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GSS-R
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T3010817


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1476, VT2014
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6050
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B
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Circuit card electrical centre



T3009908

Fuses on circuit card electrical centre

FI Air suspension/Hydralic bogielift (kl.DR) ..... (AA36)

F2 Range-,area-inhibitors, compressor control ..... (AC7)

F3 SRS airbag, Immobiliser ..... (AA32)

F4 Central door lock ..... (KH8)

F5 Interior light, timer ..... (ER16)(ES15)

F6 Brake light trailer ..... (CK17)

F7 Instrumentation (kl.30) ..... (NB4)(NZ3)

F8 Voltage divider for radio ..... (EX7)

F9 Brake light truck ..... (CK9)

F10 Spotlight ..... (CH5)(CI4)

F11 Fullbeam flash ..... (CE64)

F12 Air suspension (kl.30) ..... (ME45)(MF41)(MG26)

F13 El. heated rearview mirrors . (HG4)

F14 Preheating, relay ”radiopos.” (AA12)

F15 Dipped beam lhs ..... (CE49)

F16 Fullbeam lhs, fullbeam ind. lamp ..... (CE51)

F17 Radiopos. startswitch ..... (AA43)

F18 Cooling fan control, preheat relay ..... (BL51)(BN51)

F19 Vehicle ECU ..... (AC19)

F20 Engine solenoid valves ..... (BL44)(BN44)

F21 Instrumentation, el. heated mirror relay (kl.61) ..... (NA60)

F22 DRL (day running light/Dim-dip) ..... (CE41)

F23 El. heated airdryer ..... (HK5)

F24 Extra equipment ”XA”, relay bodybuilder fusebox (kl.15) . (XA9)

F25 El. adjustable mirrors ..... (HH5)

F26 Differential lock, power take off .. (LG6)

F27 Electronic climate control ..... (HA3)

F28 Direction indicator, Instrumentation (kl.15) ..... (CN7)

F29 Horn, solenoid valve for airhorn . (FA7)

F30 Cigarette lighter, centre section storagelamp ..... (EV8)

F31 Voltage divider for 12V. outlets ..... (EX14)

F32 Foglight, rear foglight ..... (CG6)

F33 Park. light truck lhs ..... (CE19)

F34 Park. light trailer lhs ..... (CE22)

F35 Bedlamps, luggage comp. lamp, bedlock ..... (ER46)(ES46)

F36 Park. light trailer rhs ..... (CE24)

F37 Park. light truck rhs ..... (CE26)

F38 Direction indicator, hazard warning light (kl.30) ..... (CN10)

F39 Dipped beam rhs ..... (CE53)

F40 Fullbeam rhs ..... (CE55)

F41 El. window winder, passenger side ..... (KA22)

F42 El. window winder, driver side ..... (KA4)

F43 Engine ECU ..... (BL23)(BN23)

F44 Revers light, revers warning alarm ..... (EA9)

F45 Fan, climate unit ..... (HA6)

F46 El heated seat, park. heater ..... (HE6)

F47 Windscreen wiper ..... (GA30)

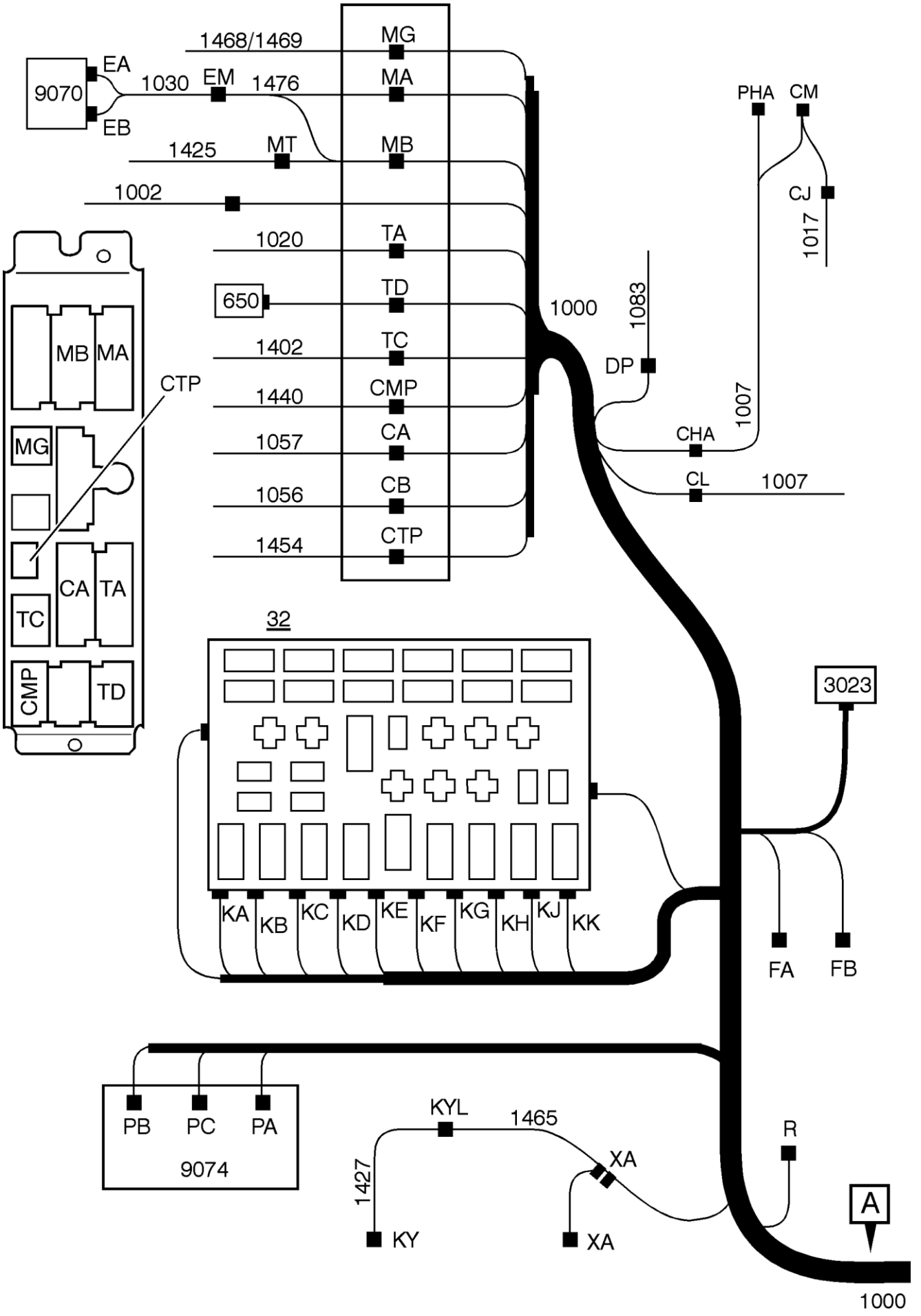
F48 Headlamp wiper, windscreen and headlamp washer ..... (GA16)

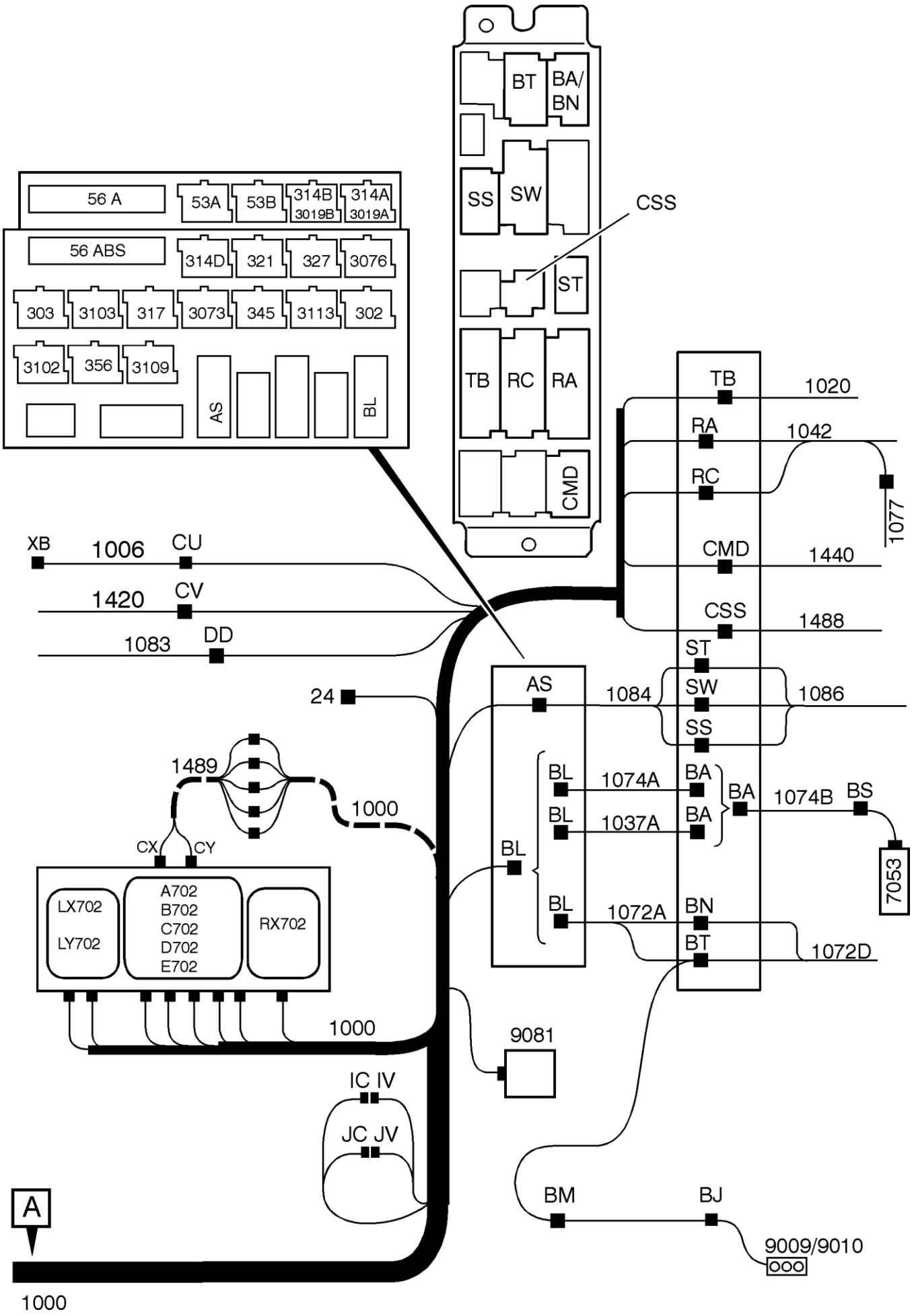
Relays on circuit card electrical centre

301 Relay, fog lights”9” ..... (CG5)
305 Relay, reversing lights”12” ..... (EA7)
306 Relay, full beams”11” ..... (CE55)
307 Relay, dipped beams”3” ..... (CE48)
308 Relay, brake lights truck”8” ..... (CK8)
308B Relay, brake lights trailer”10”..... (CK15)
309L Relay, parking lights lhs”1” ..... (CE19)
309R Relay, parking lights rhs”2”..... (CE26)
315R Relay, starting switch”4” ..... (AA42)
343 Relay, rear fog lights”7” ..... (CG12)
348A Relay, fan,climate unit”13” ..... (HA6)
360 Relay, power take off inhibitor”14” ..... (LD3)(LE4)
379 Relay, fuel injection”5” ..... (AC17)
3005 Alternator-controlled relay”6” ..... (AA52)
3101 Relay, interior lamps”15” ..... (ER13)(ES13)

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T3011347

List of connectors

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A5 (NZ16)
A6 (NB17)
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AS2 (AC38)
AS3 (AC46)
AS4 (NB53)
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AS5 (CK19)
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AS7 (OA11)
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LX7	(NA33)	MB11	(NZ10)	PB10	(AC22)
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LX12	(ZA4)	MB15	(EA4)	PB19	(AC30)
LX13	(NA24)	MB16	(EA4)	PB20	(AC11)
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LX18	(NA9)	MG2	(ZA15)	PB26	(AC19)
LX20	(NA4)	MG3	(HO6)	PB27	(AC12)
LX21	(NA32)	MG4	(H06)	PB28	(AC64)
LX22	(NA53)	MS1	(NB18)	PC1	(AC46)
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LY5	(NA56)	MS3	(NB24)	PHA1	(HB9)
LY6	(NA54)	MS4	(NB25)	PHA2	(HB4)
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LY8	(NA19)	MT1	(NZ8)	PHA3	(ZB5)
LY9	(NA30)	MT2	(NB21)	PHA5	(HB23)
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LY11	(NA51)	MT3	(NB22)	PHA7	(HB20)
LY12	(NA29)	MT3	(NZ11)	PHA8	(HB33)
LY14	(NA24)	MT4	(NB23)	PHA8	(ZB5)
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LY23	(NA47)	NF2	(NB15)	RA4	(CK9)
LY25	(NA27)	NF2	(ZA6)	RA5	(CN15)
LY26	(NA26)	PA1	(AC37)	RA6	(CE26)
LY28	(NA31)	PA2	(AC38)	RA7	(EA9)
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TB1 (ZB4)
TB2 (CE55)
TB3 (CE53)
TB4 (GA21)
TB5 (GA19)
TB6 (CH6)
TB6 (CI6)
TB7 (CN10)
TB8 (CE32)
TB9 (CG8)
TB10 (FA4)
TB11 (FA4)
TB14 (PA10)
TB15 (PA11)
TB16 (PA13)
TC1 (GA5)
TC2 (GA3)
TC3 (GA9)
TC4 (GA5)
TC4 (ZA43)
TD3 (GA32)
TD3 (ZA22)
TD5 (GA31)
TD6 (GA33)
TD7 (GA29)
TD8 (GA30)
XA1 (TA4)
XA1 (TA7)
XA1 (XA3)
XA2 (XA5)
XA3 (TA3)
XA3 (TA6)
XA3 (XA7)
XA3 (ZB59)
XB1 (EN4)
XB1 (XA43)
XB2 (EN10)
XB2 (EN6)
XB2 (XA45)
XB3 (CE61)
XB4 (EN17)
XB4 (EN18)
XB4 (XA45)
XB4 (ZA39)

List of components

24	Connector, socket/diagnostics (AC39)
24	Connector, socket/diagnostics (KE8)
24: 8	Connector, socket/diagnostics (ZA4)
30	Battery (ZA43)
30 A	Battery (AA8)
30 B	Battery (AA8)
32	Circuit card, electrical centre (AA10)
32	Circuit card, electrical centre (AA31)
32	Circuit card, electrical centre (AA32)
34	Connector (AA4)
34	Connector (EN6)
34	Connector (TA8)
36	Connector, tail lamp junction box (CE22)
36	Connector, tail lamp junction box (CE24)
36	Connector, tail lamp junction box (CE60)
36	Connector, tail lamp junction box (CG19)
36	Connector, tail lamp junction box (CG21)
36	Connector, tail lamp junction box (CK14)
36	Connector, tail lamp junction box (CK17)
36	Connector, tail lamp junction box (CN5)
36	Connector, tail lamp junction box (CN7)
36	Connector, tail lamp junction box (CN12)
36	Connector, tail lamp junction box (CN17)
36	Connector, tail lamp junction box (EA17)
36	Connector, tail lamp junction box (XA43)
36	Connector, tail lamp junction box (XA47)
36	Connector, tail lamp junction box (XA53)
42	Joint sleeve (ZA19)
42	Joint sleeve (ZB4)
42	Joint sleeve (ZB5)
42	Joint sleeve (ZB16)
42	Joint sleeve (ZA34)
42	Joint sleeve (ZB53)
42 A	Joint sleeve (ZB12)
42 A	Joint sleeve (ZB44)
42 C	Joint sleeve (ZA19)
42 CL 1:2B	Joint sleeve (ZA31)
42 E	Joint sleeve (ZA48)
42 F	Joint sleeve (ZB36)
42 I 1:1	Joint sleeve (ZA5)
42 I 1:3A	Joint sleeve (ZA41)
42 I 1:3B	Joint sleeve (ZA57)
42 I 2:4A	Joint sleeve (ZB39)
42 I 2:4B	Joint sleeve (ZB49)
42 I HEAT	Joint sleeve (ZB2)
42 MB	Joint sleeve (ZA52)
53 A	Fuse holder 3–unit (HM9)
53 A	Fuse holder 3–unit (HP4)
56 A	Fuse holder 6–unit (TA9)
56 A	Fuse holder 6–unit (XA18)
56 P	Fuse holder, 6–unit (XA31)
56 X	Fuse holder, 6–unit (EN4)
56 X	Fuse holder, 6–unit (XA44)
56 ABS	Fuse holder, 6–unit (OA14)
56 ABS	Fuse holder, 6–unit (OB12)
77	Plug socket, 7-unit (CE22)
77	Plug socket, 7–unit (CE24)
77	Plug socket, 7–unit (CE60)
77	Plug socket, 7–unit (CG21)
77	Plug socket, 7–unit (CK17)
77	Plug socket, 7–unit (CN5)
77	Plug socket, 7–unit (CN7)
77	Plug socket, 7–unit (ZB7)
78	Extra plug socket, 7–unit (CE58)
78	Extra plug socket, 7–unit (CG19)
78	Extra plug socket, 7–unit (EA17)
78	Extra plug socket, 7–unit (OA11)
78	Extra plug socket, 7–unit (OB10)
78	Extra plug socket, 7–unit (XA43)
78	Extra plug socket, 7–unit (XA47)
78	Extra plug socket, 7–unit (XA53)
78	Extra plug socket, 7–unit (ZB8)
79	Plug socket, ABS/EBS (OA3)
79	Plug socket, ABS/EBS (OA9)
79	Plug socket, ABS/EBS (OA14)
79	Plug socket, ABS/EBS (OA18)
79	Plug socket, ABS/EBS (OA22)
79	Plug socket, ABS/EBS (OB3)
79	Plug socket, ABS/EBS (OB8)
79	Plug socket, ABS/EBS (OB13)
79	Plug socket, ABS/EBS (OB17)
79	Plug socket, ABS/EBS (OB21)
79:3	Plug socket, ABS/EBS (ZB18)
79:3	Plug socket, ABS/EBS (ZB34)
79:4	Plug socket, ABS/EBS (ZB12)
100	Switch, headlights (CE36)
101	Switch, full beams and dipped beams (CE61)
101	Switch, full beams and dipped beams (ZA57)
102	Switch, fog lights (CG21)
102	Switch, fog lights (ZA41)
103	Switch, spot lights (CH11)
103	Switch, spot lights (CI13)
103	Switch, spot lights (ZA60)
104	Switch, loading lights (ED9)
104	Switch, loading lights (ZA41)
109	Switch, hazard warning lights (CN17)
109	Switch, hazard warning lights (ZA41)
111 DD	Switch, window winder (KA26)
111 DP	Switch, window winder (KA7)
111 P	Switch, window winder (KA15)
111 DD	Switch, window winder (ZA45)
111 DP	Switch, window winder (ZA47)
111 P	Switch, window winder (ZB37)
112	Switch, air conditioning (HA19)
112	Switch, air conditioning (ZA57)
112 ATC	Switch, air conditioning (HA5)
112 ATC	Switch, air conditioning (ZA57)
116 A	Switch, interior light (ES27)
116 A	Switch, interior light (ZA26)
116 B	Switch, interior light (ER37)
116 B	Switch, interior light (ES35)
116 B	Switch, interior light (ZA18)
116 B	Switch, interior light (ZA19)
118	Switch, fan (HA13)
119	Switch, windscreen wiper (GA25)
123	Switch, heated rearview mirror (HG12)
123	Switch, heated rearview mirror (ZA41)
125	Switch, exhaust brake (AC46)
125	Switch, exhaust brake (ZB49)
126	Switch, diff. lock wheels, rear (LG18)
127	Switch, diff. lock inter axles (LG6)
127	Switch, diff. lock inter axles (ZB49)
132	Switch, roof sign light (EJ4)
132	Switch, roof sign light (EK4)
132	Switch, roof sign light (ZA32)
133	Switch, bogie lift (MA5)
133	Switch, bogie lift (MD4)
133	Switch, bogie lift (ME40)
133	Switch, bogie lift (ZB55)
144	Switch, battery master switch (AA8)

144	Switch, battery master switch (ZA4)
144	Switch, battery master switch (ZA43)
147	Switch, direction indicators (CN7)
149	Switch, horn (FA6)
149	Switch, horn (ZA55)
150	Switch, starting switch (AA15)
157	Switch, air horn (FA9)
157	Switch, air horn (ZA55)
172	Switch, extra (EN10)
172	Switch, extra (TA5)
1105	Switch, levelling control, headlights (PA10)
1105	Switch, levelling control, headlights (ZA59)
1107	Switch, door lock (KH16)
1107	Switch, door lock (ZA48)
1111	Switch, roof hatch (KB11)
1111	Switch, roof hatch (ZA27)
1122	Switch, retarder (AC52)
1122	Switch, retarder (ZB46)
1132 D	Switch, el. operated rearview mirror (HH11)
1132 D	Switch, el. operated rearview mirror (ZA45)
1132 P	Switch, el. operated rearview mirror (HH5)
1132 P	Switch, el. operated rearview mirror (ZA50)
1134	Switch, reverse warner (EA24)
1134	Switch, reverse warner (ZA39)
1135	Switch, cruise control (AC40)
1146	Switch, snooze function/radio (ER37)
1146	Switch, snooze function/radio (ES39)
1146	Switch, snooze function/radio (ZA22)
1147 A	Switch, cab tilt pump (HP11)
1147 A	Switch, cab tilt pump (ZB50)
1147 B	Switch, cab tilt pump (HP10)
1148	Switch, storage compartment lighting (EV4)
1149	Switch, PTO (ZA62)
1149 1	Switch, PTO (LD7)
1149 1	Switch, PTO (LE8)
1149 2	Switch, PTO (LE19)
1150	Switch, fuel filter heater (HM7)
1150	Switch, fuel filter heater (ZA64)
1152	Switch, multi-function display (NA33)
200	Break contact, warning light, parking brake (NB56)
200	Break contact, warning light, parking brake (NZ54)
200	Break contact, warning light, parking brake (ZB39)
205 D	Break contact, interior light (ER5)
205 D	Break contact, interior light (ES5)
205 D	Break contact, interior light (ZA47)
205 D	Break contact, interior light (ZA50)
205 P	Break contact, interior light (ER16)
205 P	Break contact, interior light (ES17)
205 P	Break contact, interior light (ZB36)
207	Closing contact, indicator light, diff. lock, rear wheels (LG23)
207	Closing contact, indicator light, diff. lock, rear wheels (ZB14)
207 R	Closing contact, indicator light, diff. lock, rear wheels (LG18)
207 R	Closing contact, indicator light, diff. lock, rear wheels (ZB10)
211	Closing contact, indicator light, bogie lift (MA16)
211	Closing contact, indicator light, bogie lift (MD29)
214	Closing contact, indicator light, low split (NB50)
214	Closing contact, indicator light, low split (NZ48)
214	Closing contact, indicator light, low split (ZA52)
216 A	Closing contact, brake lights (CK8)
216 A	Closing contact, brake lights (ZB44)
216 B	Closing contact, brake lights (CK4)
216 B	Closing contact, brake lights (ZB42)
216 C	Closing contact, brake lights (CK4)
217	Closing contact, reversing lights (EA4)
217	Closing contact, reversing lights (ZA52)
218	Break contact, exh-pressure governor (AC16)
218	Break contact, exh-pressure governor (ZB39)
223	Slip contact, horn (FA7)
223	Slip contact, horn (ZA56)
228 L	Closing contact, cab lock (NA40)
228 L	Closing contact, cab lock (ZA34)
228 R	Closing contact, cab lock (NA42)
228 R	Closing contact, cab lock (ZA34)
258	Break contact, thermal, bogie lift (ZA47)
2003	Thermostat, parking heater (HB11)
2003	Thermostat, parking heater (ZB7)
2004 L	Break contact, lighting luggage compartment (ER53)
2004 L	Break contact, lighting luggage compartment (ES60)
2007	Break contact, clutch pedal (AC34)
2008	Break contact, brake pedal (AC32)
2018	Contact, oil pressure, power steering (NB36)
2018	Contact, oil pressure, power steering (NZ35)
2018	Contact, oil pressure, power steering (ZA21)
2019	Contact, lock, seat belt (NB47)
2019	Contact, lock, seat belt (NZ47)
2019	Contact, lock, seat belt (ZA27)
2020 L	Contact, bunk lock (ES54)
2020 L	Contact, bunk lock (ZA41)
2020 R	Contact, bunk lock (ES53)
2074	Contact, low range (AC9)
301	Relay, fog lights (CG5)
302	Relay, spot lights (CH5)
302	Relay, spot lights (CI5)
303	Relay, loading lights (ED6)
303	Relay, loading lights (ZB49)
305	Relay, reversing lights (EA8)
306	Relay, full beams (CE55)
307	Relay, dipped beams (CE48)
308	Relay, brake lights (CK8)
308 B	Relay, brake lights (CK15)
309 L	Relay, parking lights (CE19)
309 L	Relay, parking lights (ZB61)
309 R	Relay, parking lights (CE26)
309 R	Relay, parking lights (ZB61)
312	Relay, starting heater (BL51)
312	Relay, starting heater (BN51)
313	Relay, bogie lift motor (MA23)
313	Relay, bogie lift motor (MD33)
314 A	Relay, bogie lift (MD17)
314 A	Relay, bogie lift (MA15)
314 B	Relay, bogie lift (MD27)
314 D	Relay, bogie lift (MD9)
314 D	Relay, bogie lift (ZB55)
315 R	Relay, starting switch (AA42)
315 R	Relay, starting switch (ZB61)
317	Relay, headlamp wiper (GA16)
317	Relay, headlamp wiper (ZB39)
321	Relay, interval wipe (GA27)
323	Relay, flasher unit (CN3)
323	Relay, flasher unit (ZB29)
326 X	Relay, extra fuse holder (XA13)
326 X	Relay, extra fuse holder (ZB49)
327	Relay, heated rearview mirror (HG4)
343	Relay, fog lights, rear (CG12)
348 A	Relay, fan (HA6)
348 A	Relay, fan (ZB63)
348 B	Relay, fan (HB37)
348 B	Relay, fan (ZB2)

360	Relay, engage inhibitor, power take-off (LD3)
360	Relay, engage inhibitor, power take-off (LE4)
360	Relay, engage inhibitor, power take-off (ZB60)
363	Relay, extra equipment (EN8)
365 D	Relay, electrical window winder, up (KA20)
365 D	Relay, electrical window winder, up (ZB34)
365 P	Relay, electrical window winder, up (KA3)
365 P	Relay, electrical window winder, up (ZB34)
366 D	Relay, electrical window winder, down (KA32)
366 D	Relay, electrical window winder, down (ZB34)
366 P	Relay, electrical window winder, down (KA13)
366 P	Relay, electrical window winder, down (ZB34)
379	Relay, injection pump (AC17)
3005	Alternator-controlled relay (AA52)
3005	Alternator-controlled relay (ZB63)
3016	Relay, control device, bogie lift with axle-load limiter (MD25)
3016	Relay, control device, bogie lift with axle-load limiter (ZB53)
3017	Time relay, axle-load limiter (MD16)
3017	Time relay, axle-load limiter (ZB53)
3019 A	Relay box, air suspension (ME26)
3019 A	Relay box, air suspension (MF26)
3019 A	Relay box, air suspension (MG13)
3019 B	Relay box, air suspension (ME45)
3019 B	Relay box, air suspension (MF41)
3019 B	Relay box, air suspension (MG26)
3023	Relay, information ABS (CL12)
3023	Relay, information ABS (OA13)
3023	Relay, information ABS (OB12)
3023	Relay, information ABS (ZB15)
3023	Relay, information ABS (ZB27)
3023	Relay, information ABS (ZB49)
3025A	Relay, indicator lamp ABS (OA11)
3025A	Relay, indicator lamp ABS (OB10)
3025B	Relay, indicator lamp ABS (OA6)
3025B	Relay, indicator lamp ABS (OB6)
3075	Relay, central lock (KH12)
3075	Relay, central lock (ZA54)
3076	Relay, adjustable seat (HE18)
3076	Relay, adjustable seat (ZA55)
3101	Relay, interior lighting (ER12)
3101	Relay, interior lighting (ES12)
3101	Relay, interior lighting (ZB60)
3102	Relay, cab tilt pump (HP10)
3102A	Relay, cab tilt pump (NB56)
3102A	Relay, cab tilt pump (NZ54)
3103	Relay, fuel filter heater (HM7)
3109	Relay, range restriction (AC11)
3111	Relay, refrigerator (TA13)
3113	Relay, Central lubrication system (TB4)
3113	Relay, Central lubrication system (ZA38)
400 L	Bulb, full beams and dipped beams (CE49)
400 L	Bulb, full beams and dipped beams (ZA21)
400 R	Bulb, full beams and dipped beams (CE53)
400 R	Bulb, full beams and dipped beams (ZB2)
401 L	Bulb, fog lights (CG6)
401 L	Bulb, fog lights (ZA19)
401 R	Bulb, fog lights (CG8)
401 R	Bulb, fog lights (ZB4)
402 L	Bulb, spot lights (CH5)
402 L	Bulb, spot lights (CI5)
402 L	Bulb, spot lights (ZA21)
402 R	Bulb, spot lights (CH6)
402 R	Bulb, spot lights (CI6)
402 R	Bulb, spot lights (ZB6)
403	Bulb, loading light (ED6)
403	Bulb, loading light (ZA36)
404	Bulb, fifth wheel light (ED3)
404	Bulb, fifth wheel light (ZA36)
405 L	Bulb, reversing lights (EA8)
405 L	Bulb, reversing lights (ZB14)
405 R	Bulb, reversing lights (EA9)
405 R	Bulb, reversing lights (ZB20)
408	Bulb, parking light, left front (CE14)
408	Bulb, parking light, left front (ZB6)
408/409	Bulb, parking light, left front (ZA19)
409	Bulb, parking light, right front (CE32)
410	Bulb, brake light, left (CK9)
410	Bulb, brake light, left (ZB12)
411	Bulb, brake light, right (CK12)
411	Bulb, brake light, right (ZB18)
412	Bulb, tail light, left (CE18)
412	Bulb, tail light, left (ZB12)
413	Bulb, tail light, right (CE26)
413	Bulb, tail light, right (ZB18)
414	Bulb, side marker light, left, front (CE12)
414	Bulb, side marker light, left, front (ZA19)
415	Bulb, side marker light, right, front (CE34)
415	Bulb, side marker light, right, front (ZB6)
416	Bulb, side marker light, left, centre (CE17)
416	Bulb, side marker light, left, centre (ZB13)
417	Bulb, side marker light, right, centre (CE29)
417	Bulb, side marker light, right, centre (ZB19)
420	Bulb, position light, roof, left (CE37)
420	Bulb, position light, roof, left (ZA31)
421	Bulb, position light, roof, right (CE9)
421	Bulb, position light, roof, right (ZA30)
422	Bulb, dir. indicator, left, front (CN9)
422	Bulb, dir. indicator, left, front (ZA21)
423	Bulb, dir. indicator, right, front (CN10)
423	Bulb, dir. indicator, right, front (ZB4)
426	Bulb, dir. indicator, left, rear (CN14)
426	Bulb, dir. indicator, left, rear (ZB14)
427	Bulb, dir. indicator, right, rear (CN15)
427	Bulb, dir. indicator, right, rear (ZB20)
428	Bulb, rotating warning lamp (EN8)
429	Bulb, cigarette lighter lighting (EV10)
430	Bulb, licence plate light (CE28)
430	Bulb, licence plate light (ZB18)
433 D	Bulb, instep light (ER4)
433 D	Bulb, instep light (ES4)
433 D	Bulb, instep light (ZA50)
433 P	Bulb, instep light (ER19)
433 P	Bulb, instep light (ES19)
433 P	Bulb, instep light (ZB36)
434 C	Bulb, interior light (ER26)
434 C	Bulb, interior light (ES31)
434 C	Bulb, interior light (ZA22)
434 L	Bulb, interior light (ER8)
434 L	Bulb, interior light (ZA38)
434 R	Bulb, interior light (ER13)
434 R	Bulb, interior light (ZA38)
435 LC	Bulb, bunk light (ES23)
435 LC	Bulb, bunk light (ZA35)
435 LL	Bulb, bunk light (ER43)
435 LL	Bulb, bunk light (ES40)
435 LL	Bulb, bunk light (ZA19)
435 LU	Bulb, bunk light (ES36)
435 LU	Bulb, bunk light (ZA19)
435 RC	Bulb, bunk light (ES27)
435 RC	Bulb, bunk light (ZA36)
435 RL	Bulb, bunk light (ER46)
435 RL	Bulb, bunk light (ES43)

435 RL	Bulb, bunk light (ZA22)
435 RU	Bulb, bunk light (ES46)
435 RU	Bulb, bunk light (ZA19)
437 C	Bulb, identification light, front (CE3)
437 C	Bulb, identification light, front (ZA24)
437 L	Bulb, identification light, front (CE3)
437 L	Bulb, identification light, front (ZA24)
437 R	Bulb, identification light, front (CE3)
437 R	Bulb, identification light, front (ZA24)
440	Bulb, heater control light (CE39)
440	Bulb, heater control light (ZB50)
447	Bulb, ashtray light (EV13)
447	Bulb, ashtray light (ZA24)
450	Bulb, roof sign light (EN16)
451	Bulb, rear fog light, left (CG13)
451	Bulb, rear fog light, left (ZB12)
452	Bulb, rear fog light, right (CG15)
452	Bulb, rear fog light, right (ZB18)
468	Fluorescent tube, roof lighting (EJ14)
468 L	Fluorescent tube, roof lighting (EK14)
468 R	Fluorescent tube, roof lighting (EK14)
4052 L	Combination lamp, rear (ZB12)
4052 R	Combination lamp, rear (ZB18)
4057	Lighting, storage compartment (ER53)
4057	Lighting, storage compartment (ES60)
4063L	Bulb, speed warning (NB33)
4063M	Bulb, speed warning (NB37)
4063R	Bulb, speed warning (NB35)
4064	Bulb, storage tray light (EV4)
4064	Bulb, storage tray light (ZA11)
500	Indicator light, dir. indicator, tractor (NB40)
500	Indicator light, dir. indicator, tractor (NZ39)
501	Indicator light, dir. indicator, trailer 1 (NB42)
501	Indicator light, dir. indicator, trailer 1 (NZ41)
504	Indicator light, full beams (NB46)
504	Indicator light, full beams (NZ46)
508	Warning light, parking brake (NB56)
508	Warning light, parking brake (NZ54)
510	Indicator light, diff. lock, rear wheels (NB37)
510	Indicator light, diff. lock, rear wheels (NZ36)
511	Indicator light, diff. lock, inter-axles (NB39)
511	Indicator light, diff. lock, inter-axles (NZ38)
547	Central warning for indicator and warning lights (NB43)
547	Central warning for indicator and warning lights (NZ44)
5009	Indicator lamp, vehicle, ABS (NB53)
5009	Indicator lamp, vehicle, ABS (NZ51)
5010	Indicator lamp, trailer, ABS (NB55)
5010	Indicator lamp, trailer, ABS (NZ53)
5014	Indicator lamp, split (NB50)
5014	Indicator lamp, split (NZ48)
5032	Warning lamp, seat belt (NB47)
5032	Warning lamp, seat belt (NZ47)
5035	Warning lamp, steering servo circuit 2 (PSS-DUAL) (NB36)
5035	Warning lamp, steering servo circuit 2 (PSS-DUAL) (NZ35)
600 A	Solenoid valve, exhaust brake (BN44)
600 B	Solenoid valve, exhaust brake (BN46)
601	Solenoid valve, diff. lock, rear wheels (LG7)
601	Solenoid valve, diff. lock, rear wheels (ZB44)
602	Solenoid valve, diff. lock inter axles (LG5)
602	Solenoid valve, diff. lock inter axles (ZB45)
603	Solenoid valve, engine shut-down (BN26)
606	Solenoid valve, bogie lift, up (MA5)
606	Solenoid valve, bogie lift, up (MD5)
606	Solenoid valve, bogie lift, up (ZA47)
614	Solenoid valve, range inhibitor (AC7)
626	Solenoid valve, exh. pressure governor (BL44)
626	Solenoid valve, exh. pressure governor (BN41)
650	Windscreen wiper motor (GA29)
650	Windscreen wiper motor (ZA22)
651	Windscreen washer motor (GA3)
651	Windscreen washer motor (ZA43)
652 L	Headlamp wiper motor (GA15)
652 L	Headlamp wiper motor (ZA19)
652 R	Headlamp wiper motor (GA19)
652 R	Headlamp wiper motor (ZB4)
653	Headlamp washer motor (GA9)
653	Headlamp washer motor (ZA43)
654	Starter motor (AA14)
654	Starter motor (ZA45)
656	Bogie lift motor (MA23)
656	Bogie lift motor (MD33)
657	Fan (heater) (HA17)
657	Fan (heater) (ZB14)
657 ATC	Fan (heater) (HA17)
660	Alternator with charging regulator (AA22)
660	Alternator with charging regulator (ZA49)
661 D	Window winder motor (KA26)
661 P	Window winder motor (KA8)
6013 LF	Solenoid control valve, ABS (OA29)
6013 LF	Solenoid control valve, ABS (OB31)
6013 LF	Solenoid control valve, ABS (ZB28)
6013 LR	Solenoid control valve, ABS (OA45)
6013 LR	Solenoid control valve, ABS (OB46)
6013 LR	Solenoid control valve, ABS (ZB31)
6013 RF	Solenoid control valve, ABS (OA37)
6013 RF	Solenoid control valve, ABS (OB38)
6013 RF	Solenoid control valve, ABS (ZB29)
6013 RR	Solenoid control valve, ABS (OA53)
6013 RR	Solenoid control valve, ABS (OB54)
6013 RR	Solenoid control valve, ABS (ZB32)
6024	Solenoid valve, pto (LD6)
6024	Solenoid valve, pto (ZB42)
6024 A	Solenoid valve, pto (LE8)
6024 A	Solenoid valve, pto (ZB39)
6024 B	Solenoid valve, pto (LE18)
6024 B	Solenoid valve, pto (ZB41)
6035 C	Solenoid valve, level control, electronic (ME13)
6035 C	Solenoid valve, level control, electronic (MF13)
6035 C	Solenoid valve, level control, electronic (MG7)
6035 LF	Solenoid valve, level control, electronic (ME8)
6035 LF	Solenoid valve, level control, electronic (MF8)
6045	Solenoid valve, trailing axle (ME21)
6050	Solinoid valve,range restriction (AC12)
6050	Solinoid valve,range restriction (ZA53)
6052	Fan motor, parking heater (HB13)
6054	Fuel pump, parking heater (HB2)
6056	Motor, levelling control, headlights (PA4)
6056	Motor, levelling control, headlights (PA10)
6058 D	Motor, door lock (KH17)
6058 D	Motor, door lock (ZA49)
6058 P	Motor, door lock (KH8)
6058 P	Motor, door lock (ZB36)
6066	Motor, el. operated roof hatch (KB4)
6070	Motor, cab tilt pump (HP10)
6070	Motor, cab tilt pump (ZA7)
6071	Injection pump (BN45)
6072	Unit injectors, UI (BL29)
6073	Pump, chassis lubrication, automatic (TB6)
6073	Pump, chassis lubrication, automatic (ZA37)

6103	Solenoid valve, compressor (AC4)
702	Combined instrument (NA4)
702	Combined instrument (NB7)
702	Combined instrument (NC3)
702	Combined instrument (NZ15)
702 A5	Combined instrument (ZA6)
702 A6	Combined instrument (ZA7)
709	Combined instrument (NB8)
753 A	Engine, speed sensor (BL6)
753 A	Engine, speed sensor (BN6)
753 B	Engine, speed sensor (BL9)
754	Pressure sensor air (AC19)
756	Temperature sensor, coolant (BL21)
756	Temperature sensor, coolant (BN26)
757	Fuel gauge sensor (NA18)
759	Level indicator, coolant (BL17)
759	Level indicator, coolant (BN17)
7004	Refrigerator (TA15)
7008	Air-operated horn (FA4)
7009	Alarm clock/timer (ER30)
7009	Alarm clock/timer (ES32)
7009	Alarm clock/timer (HB30)
7009	Alarm clock/timer (ZA19)
7052	Sensor, speedometer (NB21)
7052	Sensor, speedometer (NZ10)
7053	Inductive sensor, bogie lift (MD9)
7053	Inductive sensor, bogie lift (ZB55)
7057 LF	Sensor, wheel speed (OA26)
7057 LF	Sensor, wheel speed (OB27)
7057 LR	Sensor, wheel speed (OA42)
7057 LR	Sensor, wheel speed (OB43)
7057 RF	Sensor, wheel speed (OA34)
7057 RF	Sensor, wheel speed (OB35)
7057 RR	Sensor, wheel speed (OA50)
7057 RR	Sensor, wheel speed (OB51)
7058 ATC	Sensor, inner temperature (HA22)
7059	Sensor, outer temperature (NA26)
7064	Sensor, air pressure-air suspension (ME25)
7065	Sensor, accelerator pedal (AC22)
7065 A	Sensor, accelerator pedal (AC28)
7069	Sensor, battery charging (NA29)
7072 LF	Sensor, level control (ME11)
7072 LF	Sensor, level control (MF11)
7072 LR	Sensor, level control (ME16)
7072 LR	Sensor, level control (MF16)
7072 RR	Sensor, level control (ME21)
7072 RR	Sensor, level control (MF21)
7072 RR	Sensor, level control (MG8)
7081	Sensor, boost pressure and boost temperature (BL13)
7081	Sensor, boost pressure and boost temperature (BN13)
7082	Sensor, oil pressure and oil temperature (BL23)
7082	Sensor, oil pressure and oil temperature (BN29)
7083	Sensor, fuel pressure and fuel pump (BL3)
7083	Sensor, fuel pressure and fuel pump (BN3)
7084	Sensor, air filter pressure and air filter temperature (BL8)
7084	Sensor, air filter pressure and air filter temperature (BN8)
800	Starting heater (BL57)
800	Starting heater (BN57)
800	Starting heater (ZA51)
802 L	Heated rearview mirror (HG4)
802 L	Heated rearview mirror (ZA27)
802 R	Heated rearview mirror (HG9)
802 R	Heated rearview mirror (ZB21)
803	Heated seat (HE7)
803	Heated seat (HE12)
803 L	Heated seat (ZA29)
803 R	Heated seat (ZA31)
804	Cigarette lighter (ER49)
804	Cigarette lighter (ES49)
804	Cigarette lighter (EV8)
804	Cigarette lighter (ZA22)
804	Cigarette lighter (ZA24)
805	Rheostat (NB20)
805	Rheostat (NZ20)
810	Heated air dryer (HK4)
810	Heated air dryer (ZB24)
812 D	El. operated rearview mirror (HH10)
812 D	El. operated rearview mirror (ZA26)
812 L	El. operated rearview mirror (ZA26)
812 P	El. operated rearview mirror (HH4)
850	Horn (FA7)
858	Buzzer, reverse warner (EA20)
858	Buzzer, reverse warner (EA23)
858	Buzzer, reverse warner (EA27)
858	Buzzer, reverse warner (ZB12)
858	Buzzer, reverse warner (ZB15)
858	Buzzer, reverse warner (ZB16)
8001	Inductor, sign lighting (EJ8)
8001	Inductor, sign lighting (EK8)
8001	Inductor, sign lighting (ZA33)
8015 L	El. operated seat (ZA29)
8015 R	El. operated seat (ZA31)
8016	Fuel filter heater (HM14)
8016	Fuel filter heater (ZA15)
8017	Water separator (HO6)
8017	Water separator (ZA63)
8018 2	El. connected seat (NB47)
8018 2	El. connected seat (NZ47)
8018 4	El. connected seat (NB47)
8018 4	El. connected seat (NZ47)
8018 L	El. connected seat (HE6)
8018 L	El. connected seat (HE18)
8018 L4	El. connected seat (ZA29)
8018 R	El. connected seat (HE12)
8018 R	El. connected seat (HE23)
8018 R4	El. connected seat (ZA31)
900	Radio (JA7)
900	Radio (ZB14)
901 B	Voltage converter (EX11)
901 B	Voltage converter (ZA9)
901 R	Voltage converter (EX4)
901 R	Voltage converter (ZA5)
901 R	Voltage converter (ZB27)
902 DD	Loudspeaker (JA12)
902 DP	Loudspeaker (JA15)
902 LF	Loudspeaker (JA6)
902 LR	Loudspeaker (JA18)
902 RF	Loudspeaker (JA9)
902 RR	Loudspeaker (JA21)
913	Mobile telephone (EX10)
913	Mobile telephone (ZB26)
917	Aerial (AA28)
952	Magnetic clutch, air conditioning (HA13)
961	Engine/cab heater (HB8)
961	Engine/cab heater (ZB4)
972 L	Lock, bunk (ES58)
9006	Glow plug, parking heater (HB29)
9006	Glow plug, parking heater (ZE28)
9008	Control unit, ABS (OA26)

9008	Control unit, ABS (OB25)
9008	Control unit, ABS (ZB16)
9008:4	Control unit, ABS (ZB10)
9008:9	Control unit, ABS (ZB10)
9008:11	Control unit, ABS (ZB20)
9008:12	Control unit, ABS (ZB22)
9009	Control box, air suspension, rigids (ME33)
9009	Control box, air suspension, rigids (MF33)
9009	Control box, air suspension, rigids (ZB58)
9010	Control box, air suspension, tractors (ME44)
9010	Control box, air suspension, tractors (MG18)
9010	Control box, air suspension, tractors (ZB57)
9026 F	Socket, 12 V (EX14)
9026 F	Socket, 12 V (ZA11)
9028	Contact roller, air bag (KE8)
9029	Termination resistor, comm. bus (AC27)
9070	Control unit, unit injector (BL5)
9070	Control unit, unit injector (BN5)
9070	Control unit, unit injector (ZA13)
9072	Control unit, air bag (KE7)
9073	Control unit, air suspension (ME6)
9073	Control unit, air suspension (MF6)
9073	Control unit, air suspension (MG4)
9073	Control unit, air suspension (ZB53)
9074	Control unit, Vehicle ECU (AC4)
9074	Control unit, Vehicle ECU (ZB30)
9077	Control unit, sun roof (ZA29)
9081	Control unit, electronic immobiliser (AA26)
9081	Control unit, electronic immobiliser (ZB32)

Abbreviations

ABS	Antilock brake system
ATC	Automatic temperature control
CABLE-B	Tachograph cable, basic
CABLE-EC	Tachograph cable, European Comunity
DRIVL2	Two driving lamps
DRIVL2EC	Two driving lamps with dipped beam
DRL	Day running light
EXE	Except
FSS-AIR	Front spring system, air
FSS-LEAF	Front spring system, leaf
GSS-R	Range gear shifting
HYDRTRAN	Hydralic transmission
L1H1	Short cab
L2H1	Long cab
L2H2	Long high cab (Globetrotter)
LF	Left front
LHS	Left hand side
LR	Left rear
LOCK-CTL	Central door locking
LOCK-MAN	Manual door locking
LOCK-MRP	Manual door locking plus remote control of passenger door
MECHTRAN	Mechanical transmission
MIR-ELOP	El. heated and operated exterior mirror
PH-CAB	Cab parking heater
PTO	Power take off
RADT-AR	6x2, leaf spring
RF	Right front
RHS	Right hand side
RIGID	Plattform or tipper truck
RR	Right rear
RSS-AIR	Rear spring system, air
SI-SPEED	Speedometer
SLCP-BAS	Basic version sleeper control panel
SLCP-LUX	Luxury version sleeper control panel
SUSPL-EC	Air suspension, electronic control system levelling device
TRACTOR	Semi-trailer tractor
UMIR-AUX	Without exterior mirror features
USLCP	Without sleeper control panel
VT2014	Volvo transmission 2200NM 14 speed
WLIFT-EB	Electrical window lift, both doors
WLIFT-ME	Manual window lift

Cable colour code

BL	Blue
BN	Brown
GN	Green
GR	Grey
I	Ivory
LBL	Light blue
LBN	Light brown
OR.....	Orange
P.....	Pink
PU	Purple
R	Red
SB	Black
VO	Violet
W	White
Y	Yellow

Note: If a cable har two colours, this is written out like the following example: Y/R = Yellow/Red.

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One of our objectives is that workshop personnel should have access to correct and appropriate service manuals where it concerns fault tracing, repairs and maintenance of Volvo trucks.
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