http... MENU ...com/

# FOREWORD

This workshop manual has been prepared to provide information on electrical circuits for the following Hino Vehicles.

Applicable for FC6J, FC9J, FD8J, GD8J, FG8J, GH8J, FL8J, FM8J, FM1A, FM2P, FT8J, GT8J, SG8J series, equipped with J05D-TI, J05E-TI, J08E-TI, A09C, P11C engine

As for maintenance items, refer to the Owner's Manual.
All information and specifications in this manual are based upon the latest product information available at the time of printing.
Hino Motors reserves the right to make changes at any time without prior notice.

Please note that the publications below have also been prepared as relevant service manuals for the components and systems in this vehicles.

| Manual Name | Pub. No. |
|---|---|
| Chassis Workshop Manual | S1-YFCE18K 1/3<br>S1-YFCE18K 2/3<br>S1-YFCE18K 3/3 |
| J05D-TI, J05E-TI Engine Workshop Manual | S5-YJ05E12D |
| J08E-TI Engine Workshop Manual | S5-YJ08E29E |
| A09C Engine Workshop Manual | S5-MA09E02A |
| P11C-TI Engine Workshop Manual | S5-YP11E07B |

Hino Motors, Ltd.

https://truckmanualshub.com/



HINO

## ELECTRIC WIRE

# WORKSHOP MANUAL

Hino Motors, Ltd.

All rights reserved. This manual may not be reproduced or copied in whole in part, without the written consent of Hino Motors, Ltd.

https://truckmanualshub.com/

# ELECTRIC WIRE

EL02-001

**DIAGRAM..... EL02-2**
HOW TO USE THIS CHAPTER .....EL02-2
CONTENTS AND QUICK REFERENCE.....EL02-7
WIRING DIAGRAM.....EL02-14
WIRE TO WIRE CONNECTOR.....EL02-190
JUNCITON CONNECTOR.....EL02-209
CONNECTOR LOCATION .....EL02-216
RELAY LOCATION.....EL02-336
FUSE AND RELAY BLOCK.....EL02-338
FUSIBLE LINK BLOCK.....EL02-348
WIRE TO WIRE BOX .....EL02-349
CONNECTOR INDEX.....EL02-351

https://truckmanualshub.com/

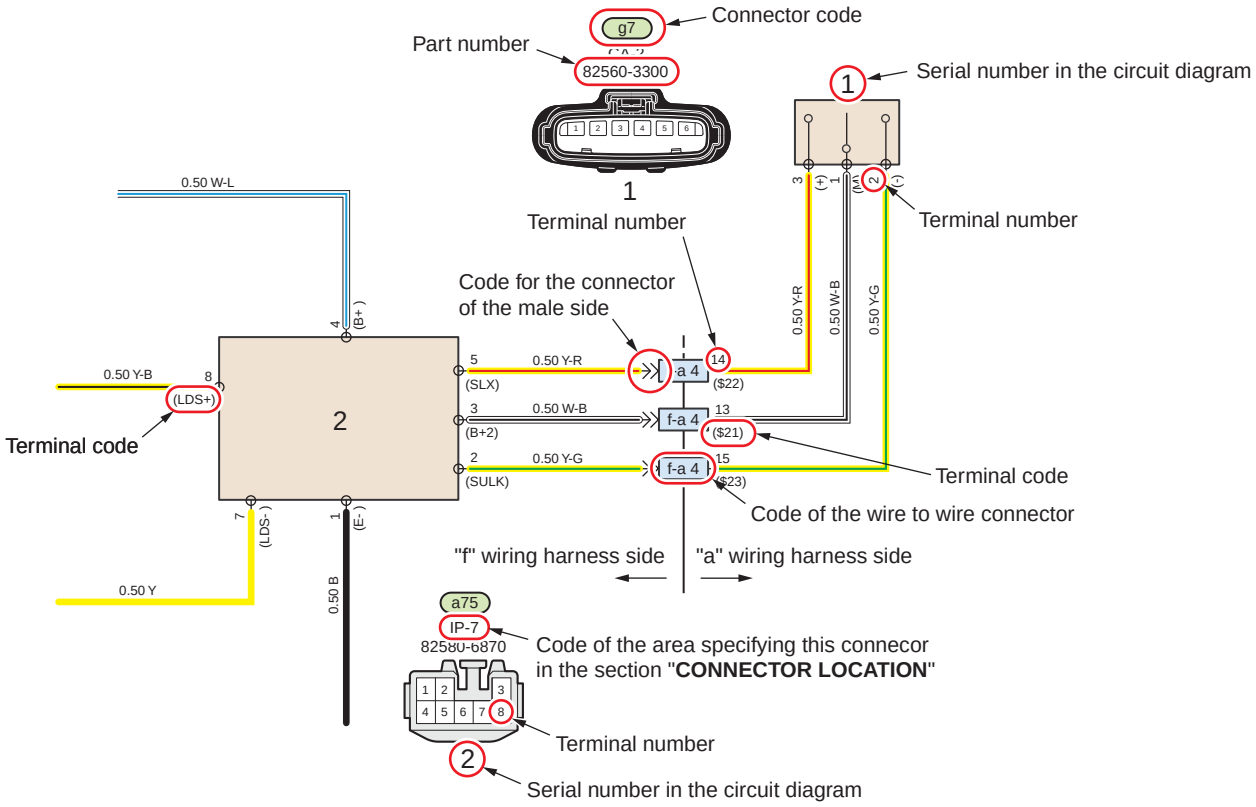
# DIAGRAM

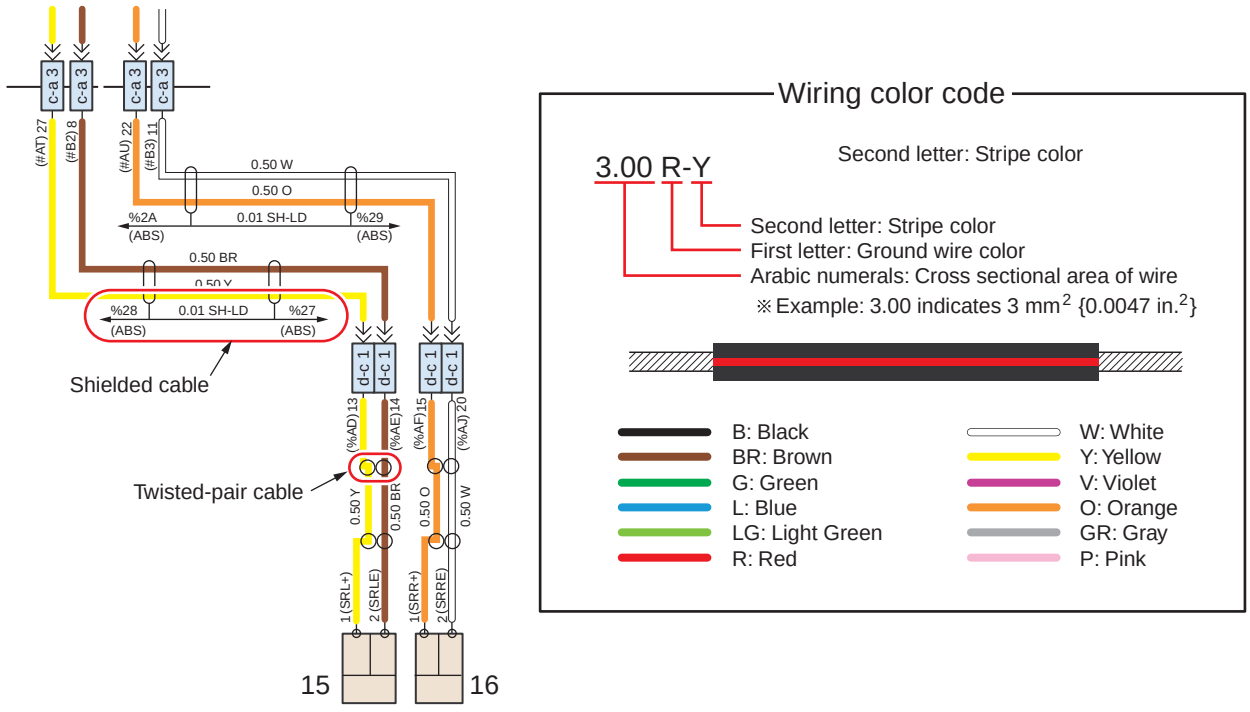
## HOW TO USE THIS CHAPTER

EN12Z1602J100001

### 1. WIRING DIAGRAM

**(EXAMPLE)**

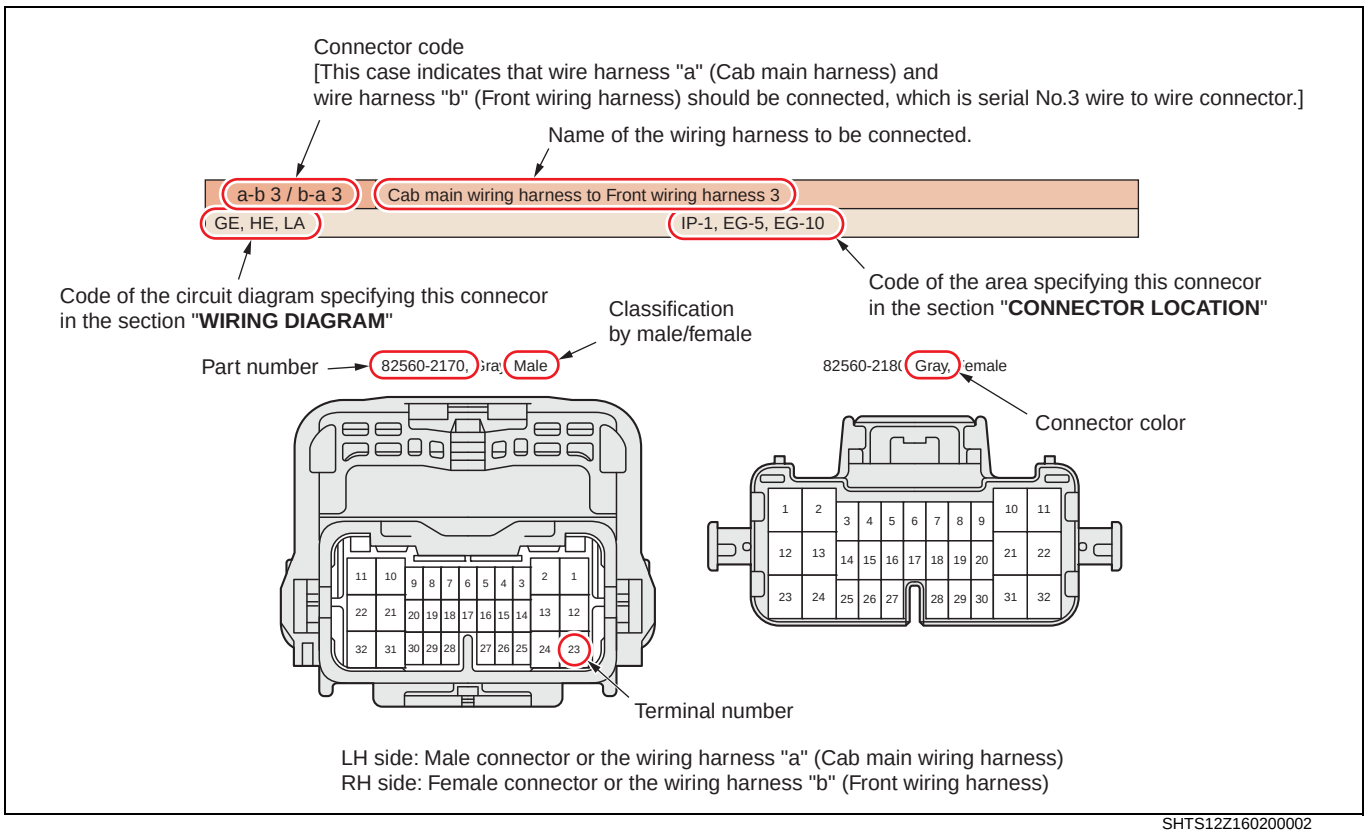



SHTS12Z160200001

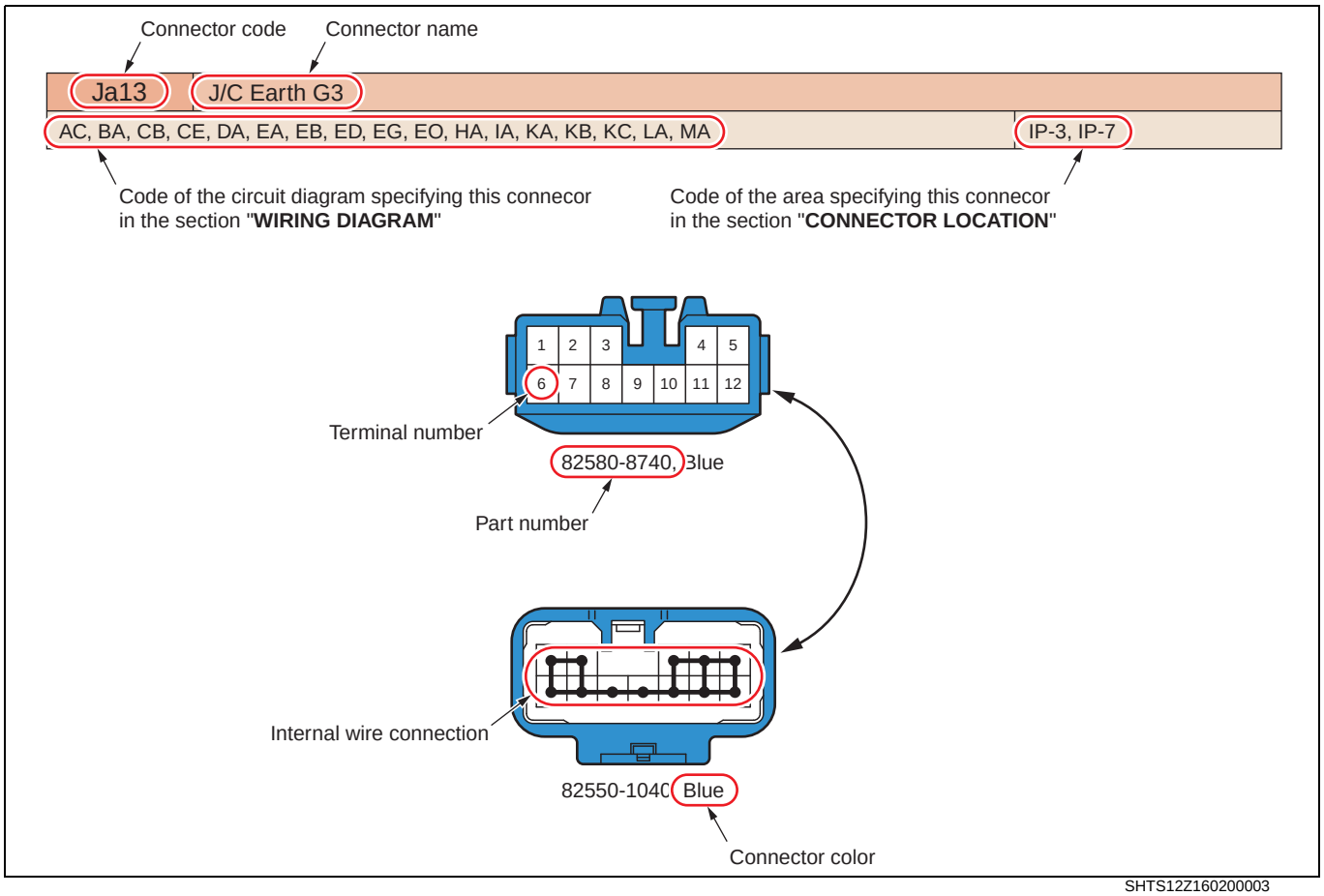
https://truckmanualshub.com/

## 2. WIRE TO WIRE CONNECTOR




SHTS12Z160200002

## 3. JUNCTION CONNECTOR




SHTS12Z160200003

https://truckmanualshub.com/

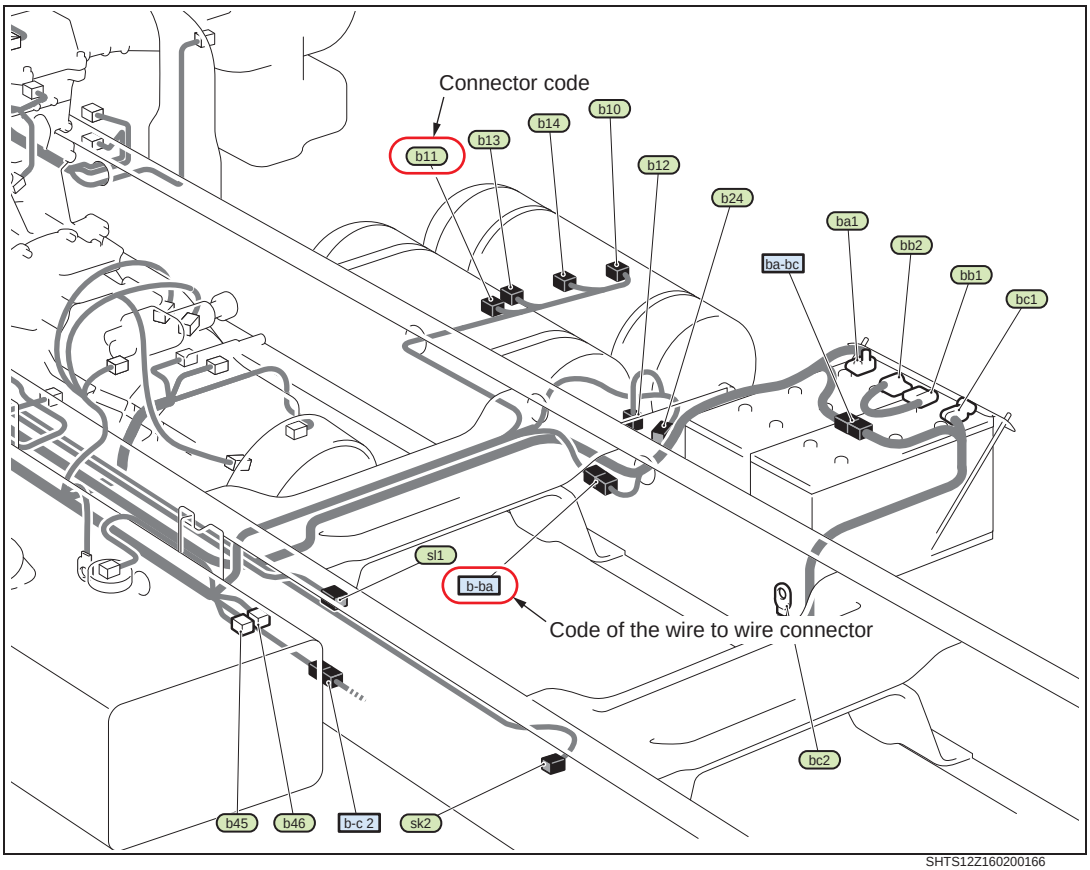
## 4. CONNECTOR LOCATION

**(EXAMPLE)**

Code of the area



**EG-26 ENGINE (3 of 3)] (Model: FM8J for Chile)**




SHTS12Z160200166

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b10 | Low pressure switch 1 | BB | ba1 | Battery (+) terminal (Battery 2) | AA |
| b11 | Low pressure switch 2 | BB | bb1 | Battery (+) terminal (Battery 1) | AA |
| b12 | Low pressure switch 3 | BB | bb2 | Battery (-) terminal (Battery 2) | AA |
| b13 | Air gauge sensor (Front) | BB | bc1 | Battery (-) terminal (Battery 1) | AA |
| b14 | Air gauge sensor (Rear) | BB | bc2 | Battery ground | AA, BA, MA |
| b24 | Exhaust brake magnetic valve | GE | sk2 | P.T.O. magnetic valve | KB |
| b45 | Dump up switch | KB | sl1 | P.T.O. accelerator sensor | GK |
| b46 | Service power (Tail) | AB | | | |

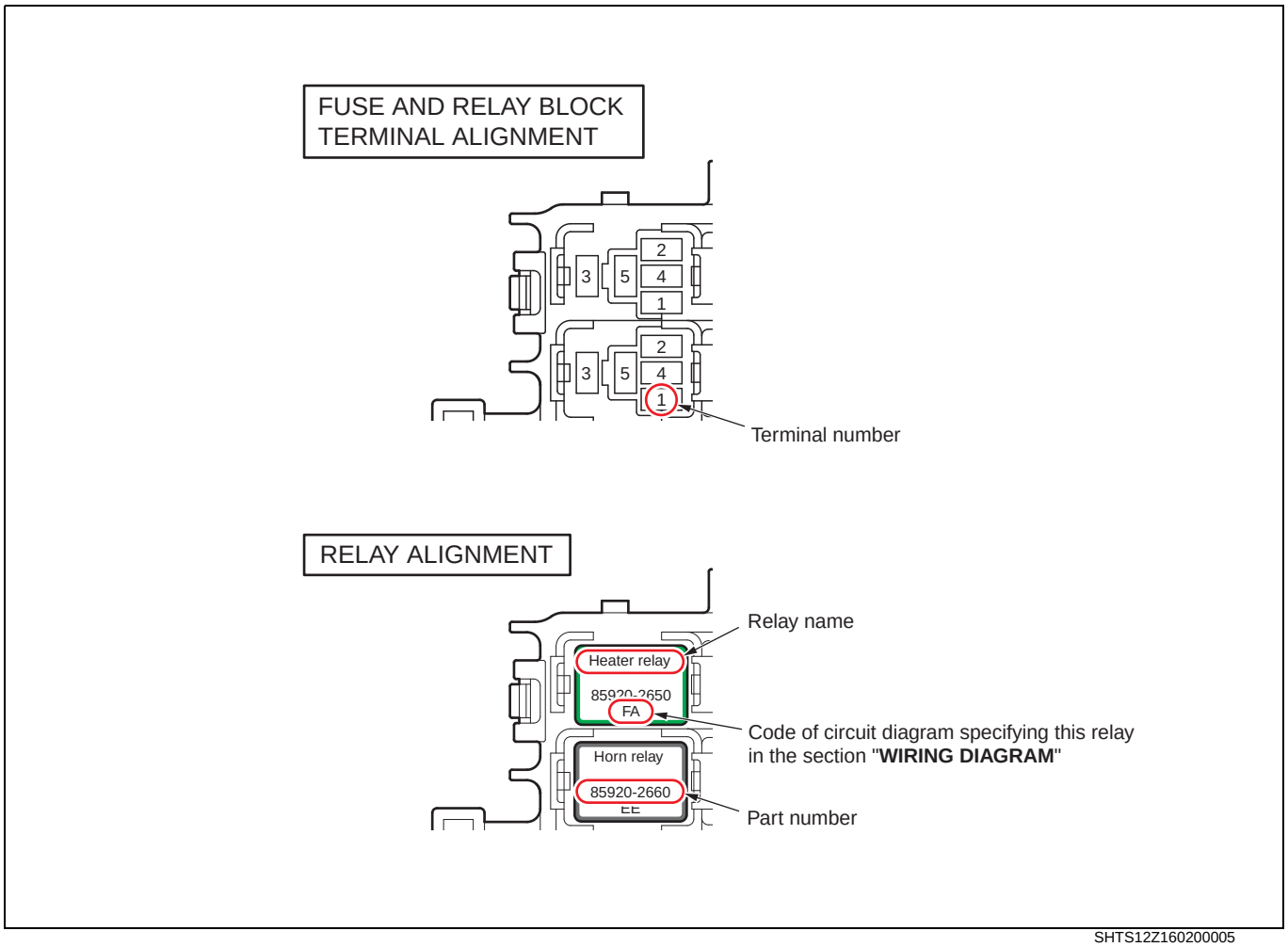
**WIRE TO WIRE CONNECTOR**

| No. | Name | No. | Name |
|---|---|---|---|
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | ba-bc | Battery cable-1 to Battery cable-3 |
| b-ba | Front wiring harness to Battery cable-1_1 | | |

SHTS12Z160200004

https://truckmanualshub.com/

## 5. FUSE AND RELAY BLOCK




SHTS12Z160200005

https://truckmanualshub.com/

## 6. CONNECTOR INDEX

**(EXAMPLE)**

EL02–192 ELECTRIC WIRE

# CONNECTOR INDEX

Code of the circuit diagram specifying this connector in the section "**WIRING DIAGRAM**"

## ELECTRICAL EQUIPMENT CONNECTOR

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| A | ABS diagnosis switch | a100 | 82560-4100 | HB |
| | | | | IP-4, 8 |

## WIRE TO WIRE CONNECTOR

| CONNECTOR No. | NAME | PART No. | | CIRCUIT OR AREA |
|---|---|---|---|---|
| | | MALE | FEMALE | |
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | 82560-2110 | 82560-2120 | AA, AB, AD, AG, BA, BG, BH, CA, CB, CE, CH, CI, GA, GB, GC, GE, HA, HB, HC, HE, IA, LA, LE, MA |
| | | | | IP-1, 5, EG-1, 2, 3, 5, 6, 10, 11, 16, 17 |

## JUNCTION CONNECTOR

| CONNECTOR No. | NAME | PART No. | CIRCUIT OR AREA |
|---|---|---|---|
| a606 | J/C ETC 14P | 82560-3790<br>25880-1170 | FA, IE |
| | | | IP-2 |

Code of the area specifying this connector in the section "**CONNECTOR LOCATION**"

SHTS12Z160200006

https://truckmanualshub.com/

# CONTENTS AND QUICK REFERENCE

EN12Z1602J100002

## WIRING DIAGRAM


| CODE | | CIRCUIT NAME | PAGE |
|---|---|---|---|
| A | A | POWER SUPPLY CIRCUIT | EL02-16 |
| | B | ETC. SPARE POWER SUPPLY CIRCUIT | EL02-18 |
| | C | 12V SPARE POWER SUPPLY CIRCUIT | EL02-19 |
| | D | ENGINE STARTING CIRCUIT (MODELS WITH MANUAL TRANSMISSION) | EL02-20 |
| | E | ENGINE STARTING CIRCUIT<br>(MODELS WITH AUTOMATIC TRANSMISSION) | EL02-22 |
| | H | CHARGING CIRCUIT | EL02-23 |
| B | A | METER CIRCUIT<br>[EXCEPT MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (1 of 3)] | EL02-24 |
| | B | METER CIRCUIT<br>[EXCEPT MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (2 of 3)] | EL02-28 |
| | C | METER CIRCUIT<br>[EXCEPT MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (3 of 3)] | EL02-34 |
| | D | METER CIRCUIT [MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (1 of 2)] | EL02-36 |
| | E | METER CIRCUIT [MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (2 of 2)] | EL02-38 |
| | F | HOUR METER CIRCUIT | EL02-40 |
| | G | TACHOGRAPH CIRCUIT | EL02-42 |
| | H | KIENZLE TACHOGRAPH CIRCUIT | EL02-43 |
| | I | DRIVE MASTER CIRCUIT | EL02-44 |
| C | A | HEADLIGHT CIRCUIT | EL02-46 |
| | B | TURN, STOP AND TAIL LIGHT CIRCUIT<br>[EXCEPT MODELS FOR AUSTRALIA AND IRELAND(1 of 2)] | EL02-48 |
| | C | TURN, STOP AND TAIL LIGHT CIRCUIT<br>[MODELS FOR IRELAND] | EL02-52 |
| | D | TURN, STOP AND TAIL LIGHT CIRCUIT<br>[EXCEPT MODELS FOR AUSTRALIA AND IRELAND (2 of 2)] | EL02-56 |
| | E | HEADLIGHT BEAM CONTROL CIRCUIT | EL02-58 |
| | F | BACKUP LIGHT CIRCUIT [MODELS WITH MANUAL TRANSMISSION (1 of 2)] | EL02-60 |
| | G | BACKUP LIGHT CIRCUIT [MODELS WITH AUTOMATIC TRANSMISSION (1 of 2)] | EL02-61 |
| | H | BACKUP LIGHT CIRCUIT (2 of 2) | EL02-62 |
| | I | FOG LIGHT CIRCUIT | EL02-64 |
| | J | HEADLIGHT AUTOLEVELING CIRCUIT | EL02-66 |
| | K | WORKING LIGHT CIRCUIT | EL02-68 |
| D | A | ROOM LIGHT CIRCUIT | EL02-70 |
| E | A | POWER DOOR LOCK CIRCUIT (MODELS FOR RIGHT-HAND DRIVE) | EL02-72 |
| | B | POWER DOOR LOCK CIRCUIT (MODELS FOR LEFT-HAND DRIVE) | EL02-73 |
| | C | WINDSHIELD WIPER AND WASHER CIRCUIT | EL02-74 |
| | D | POWER MIRROR CIRCUIT | EL02-75 |
| | E | HORN CIRCUIT | EL02-76 |
| | F | CIGARETTE LIGHTER CIRCUIT | EL02-76 |
| | G | SEAT BELT WARNING CIRCUIT | EL02-77 |
| | H | POWER WINDOW CIRCUIT (MODELS FOR RIGHT-HAND DRIVE) | EL02-78 |
| | I | POWER WINDOW CIRCUIT (MODELS FOR LEFT-HAND DRIVE) | EL02-80 |
| | J | RADIO/AUDIO CIRCUIT | EL02-82 |

https://truckmanualshub.com/


| CODE | | CIRCUIT NAME | PAGE |
|---|---|---|---|
| E | K | MIRROR HEATER CIRCUIT | EL02-83 |
| | L | KEYLESS ENTRY CIRCUIT | EL02-84 |
| | M | INTEGRATED UNIT CIRCUIT (1 of 2) | EL02-86 |
| | N | INTEGRATED UNIT CIRCUIT (2 of 2) | EL02-90 |
| | O | HEADLIGHT WASHER CIRCUIT | EL02-92 |
| | R | AIR BAG CIRCUIT | EL02-94 |
| F | A | AIR CONDITIONER CIRCUIT | EL02-96 |
| G | A | [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR CHILE AND THAILAND) | EL02-98 |
| | B | [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR THAILAND) | EL02-102 |
| | C | [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR IRELAND, HONG KONG AND SINGAPORE) | EL02-106 |
| | D | [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR AUSTRALIA, NEW ZEALAND, TAIWAN, MEXICO AND INDIA) | EL02-110 |
| | E | TICS CIRCUIT | EL02-114 |
| | F | COMMON RAIL CIRCUIT No.2 [EXHAUST BRAKE (MODELS WITH MANUAL TRANSMISSION)] | EL02-116 |
| | G | EXHAUST BRAKE CIRCUIT (MODELS FOR INDONESIA) | EL02-118 |
| | H | [J SERIES ENGINE] COMMON RAIL CIRCUIT No.2 [EXHAUST BRAKE (MODELS WITH AUTOMATIC TRANSMISSION)] | EL02-120 |
| | I | [P11C ENGINE] COMMON RAIL CIRCUIT No.2 (MODELS FOR THAILAND) | EL02-122 |
| | J | ENGINE STOP CIRCUIT | EL02-124 |
| | K | [J SERIES ENGINE] COMMON RAIL CIRCUIT No.3 (FS CRUISE) | EL02-126 |
| | L | [J SERIES ENGINE AND P11C] COMMON RAIL CIRCUIT No.4 (P.T.O.) | EL02-128 |
| | M | [A09C] COMMON RAIL CIRCUIT No.1 | EL02-130 |
| | N | [A09C] COMMON RAIL CIRCUIT No.2 | EL02-134 |
| | O | [A09C] COMMON RAIL CIRCUIT No.3 (EGR, VNT DRIVE CIRCUIT) | EL02-136 |
| | P | [A09C] COMMON RAIL CIRCUIT No.4 (P.T.O.) | EL02-138 |
| | Q | [A09C] COMMON RAIL CIRCUIT No.5 (ENGINE RETARDER) | EL02-140 |
| H | A | ABS+ES START CIRCUIT | EL02-142 |
| | B | ABS CIRCUIT (WABCO) | EL02-146 |
| | C | ES START CIRCUIT | EL02-148 |
| | D | BRAKE LOCK CIRCUIT | EL02-150 |
| | E | ELECTROMAGNETIC RETARDER CIRCUIT | EL02-152 |
| | F | INTER-AXLE DIFFERENTIAL LOCK CIRCUIT | EL02-154 |
| I | A | TRANSMISSION CONTROL CIRCUIT (MODELS WITH EATON FS6109/8209 TRANSMISSION) | EL02-156 |
| | B | TRANSMISSION CONTROL CIRCUIT (MODELS WITH ZF9S109 AND ZF9S1110/1310 TRANSMISSION) | EL02-158 |
| | C | ZF9S1310 TRANSMISSION POWER SHIFT CIRCUIT | EL02-159 |
| | D | AUTOMATIC TRANSMISSION CIRCUIT | EL02-160 |
| J | A | CAB TILT CIRCUIT (FOR SINGLE CAB) | EL02-162 |
| | B | CAB TILT CIRCUIT (FOR DOUBLE CAB) | EL02-163 |
| K | A | TRANSMISSION P.T.O. CONTROL CIRCUIT (MODELS WITH LX06S, LJ06S, MF06S, HK06S, ZF9S109 AND ZF9S1110/1310 TRANSMISSION) | EL02-164 |

https://truckmanualshub.com/


| CODE | | CIRCUIT NAME | PAGE |
|---|---|---|---|
| K | B | TRANSMISSION P.T.O. CONTROL CIRCUIT<br>[MODELS WITH EATON TRANSMISSION (EXCEPT TAIWAN)] | EL02-166 |
| | C | TRANSMISSION P.T.O. CONTROL CIRCUIT<br>[MODELS WITH EATON TRANSMISSION (FOR TAIWAN)] | EL02-167 |
| L | A | DIAGNOSIS MONITOR CIRCUIT | EL02-168 |
| | B | DIAGNOSIS CONNECTOR (16 PIN) CIRCUIT | EL02-170 |
| | C | CAN (CONTROLLER AREA NETWORK) CIRCUIT | EL02-172 |
| | D | TRANSFER CONTROL CIRCUIT | EL02-174 |
| | E | TRAILER CONNECTOR CIRCUIT | EL02-176 |
| | F | AIR DRYER HEATER CIRCUIT | EL02-178 |
| | G | VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.1 | EL02-180 |
| | H | VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.2 | EL02-182 |
| | I | VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.3 | EL02-184 |
| | J | VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.4 | EL02-186 |
| M | A | GROUND CIRCUIT | EL02-188 |

https://truckmanualshub.com/

## CONNECTOR LOCATION

- **CONTENTS**


| CODE | AREA | | SPECIFICATION | PAGE |
|---|---|---|---|---|
| IP-1 | INSTRUMENT PANEL | 1 of 4 | Models: Right-hand drive | EL02-216 |
| IP-2 | INSTRUMENT PANEL | 2 of 4 | Models: Right-hand drive | EL02-218 |
| IP-3 | INSTRUMENT PANEL | 3 of 4 | Models: Right-hand drive | EL02-220 |
| IP-4 | INSTRUMENT PANEL | 4 of 4 | Models: Right-hand drive | EL02-222 |
| IP-5 | INSTRUMENT PANEL | 1 of 4 | Models: Left-hand drive | EL02-224 |
| IP-6 | INSTRUMENT PANEL | 2 of 4 | Models: Left-hand drive | EL02-226 |
| IP-7 | INSTRUMENT PANEL | 3 of 4 | Models: Left-hand drive | EL02-228 |
| IP-8 | INSTRUMENT PANEL | 4 of 4 | Models: Left-hand drive | EL02-230 |
| CA-1 | CAB | — | Models: Right-hand drive (Single cab) | EL02-232 |
| CA-2 | CAB | — | Models: Left-hand drive | EL02-234 |
| CA-3 | CAB | — | Models: Right-hand drive (Double cab) | EL02-236 |
| EG-1 | ENGINE | 1 of 3 | Models: FC for Australia, New Zealand, Thailand | EL02-238 |
| EG-2 | ENGINE | 1 of 3 | Models: FC for Chile, Colombia, Ecuador, Philippines, Taiwan, Vietnam, Mexico | EL02-240 |
| EG-3 | ENGINE | 2 of 3 | Model: FC | EL02-242 |
| EG-4 | ENGINE | 3 of 3 | Model: FC | EL02-244 |
| EG-5 | ENGINE | 1 of 3 | Models: FD for Australia, Hong Kong, New Zealand, Singapore | EL02-246 |
| EG-6 | ENGINE | 1 of 3 | Models: FD for Taiwan, GD for Chile, Colombia, Ecuador | EL02-248 |
| EG-7 | ENGINE | 2 of 3 | Models: FD, GD | EL02-250 |
| EG-8 | ENGINE | 3 of 3 | Models: FD, GD | EL02-252 |
| EG-9 | ENGINE | 1 of 3 | Model: FD double cab | EL02-254 |
| EG-10 | ENGINE | 2 of 3 | Model: FD double cab | EL02-256 |
| EG-11 | ENGINE | 3 of 3 | Model: FD double cab | EL02-258 |
| EG-12 | ENGINE | 1 of 3 | Models: FG, GH for Australia, Hong Kong, New Zealand, Singapore, Thailand, Ireland | EL02-260 |
| EG-13 | ENGINE | 1 of 3 | Model: FG for Indonesia | EL02-262 |
| EG-14 | ENGINE | 1 of 3 | Models: FG, GH for Chile, Colombia, Ecuador, Philippines, Taiwan, Vietnam, Mexico | EL02-264 |
| EG-15 | ENGINE | 2 of 3 | Models: FG, GH with manual transmission | EL02-266 |
| EG-16 | ENGINE | 2 of 3 | Models: FG, GH with automatic transmission | EL02-268 |
| EG-17 | ENGINE | 3 of 3 | Models: FG for Indonesia, Philippines, Thailand, Vietnam | EL02-270 |
| EG-18 | ENGINE | 3 of 3 | Models: FG, GH except Indonesia, Thailand | EL02-272 |
| EG-19 | ENGINE | 1 of 3 | Models: FG, FT, GT double cab | EL02-274 |
| EG-20 | ENGINE | 2 of 3 | Models: FG, FT, GT double cab | EL02-276 |
| EG-21 | ENGINE | 3 of 3 | Model: FG double cab | EL02-278 |
| EG-22 | ENGINE | 3 of 3 | Models: FT, GT double cab | EL02-280 |
| EG-23 | ENGINE | 1 of 3 | Models: FL, FM8J for Australia, New Zealand, Thailand, Mexico | EL02-282 |
| EG-24 | ENGINE | 1 of 3 | Models: FL, FM8J for Indonesia | EL02-284 |
| EG-25 | ENGINE | 1 of 3 | Models: FL, FM for Chile, Vietnam | EL02-286 |
| EG-26 | ENGINE | 1 of 3 | Model: FM2P for Indonesia | EL02-288 |
| EG-27 | ENGINE | 1 of 3 | Model: FM2P for Thailand | EL02-290 |
| EG-28 | ENGINE | 1 of 3 | Model: FM2P for Vietnam | EL02-292 |

https://truckmanualshub.com/

| CODE | AREA | | SPECIFICATION | PAGE |
|---|---|---|---|---|
| EG-29 | ENGINE | 2 of 3 | Models: FM for Australia, New Zealand | EL02-294 |
| EG-30 | ENGINE | 2 of 3 | Models: FL for Australia, Vietnam, FM8J for Chile, Indonesia, Thailand, India (Except tractor) | EL02-296 |
| EG-31 | ENGINE | 2 of 3 | Models: FM8J tractor | EL02-298 |
| EG-32 | ENGINE | 2 of 3 | Models: FM2P for Thailand, Vietnam (Except tractor) | EL02-300 |
| EG-33 | ENGINE | 2 of 3 | Models: FM2P (Tractor) | EL02-302 |
| EG-34 | ENGINE | 3 of 3 | Models: FL, FM8J, FM2P | EL02-304 |
| EG-35 | ENGINE | 1 of 3 | Model: FM1A | EL02-306 |
| EG-36 | ENGINE | 2 of 3 | Model: FM1A (Except tractor) | EL02-308 |
| EG-37 | ENGINE | 2 of 3 | Model: FM1A (Tractor) | EL02-310 |
| EG-38 | ENGINE | 3 of 3 | Model: FM1A | EL02-312 |
| EG-39 | ENGINE | 1 of 3 | Model: FM1A for Australia, New Zealand | EL02-314 |
| EG-40 | ENGINE | 2 of 3 | Model: FM1A for Australia, New Zealand | EL02-316 |
| EG-41 | ENGINE | 3 of 3 | Model: FM1A for Australia, New Zealand | EL02-318 |
| EG-42 | ENGINE | 1 of 3 | Models: FT, GT single cab | EL02-320 |
| EG-43 | ENGINE | 2 of 3 | Models: FT, GT single cab | EL02-322 |
| EG-44 | ENGINE | 3 of 3 | Models: FT, GT single cab | EL02-324 |
| EG-45 | ENGINE | 1 of 3 | Model: SG | EL02-326 |
| EG-46 | ENGINE | 2 of 3 | Model: SG | EL02-328 |
| EG-47 | ENGINE | 3 of 3 | Model: SG | EL02-329 |
| RR-1 | REAR | — | Models: FC, FD, GD, FG, GH | EL02-330 |
| RR-2 | REAR | — | Models: FL, FM (Except tractor) | EL02-332 |
| RR-3 | REAR | — | Model: FM tractor | EL02-334 |
| RR-4 | REAR | — | Model: SG | EL02-335 |

https://truckmanualshub.com/

- **QUICK REFERENCE**

| STEERING POSITION | DESTINATION | MODEL | SPECIFICATION | INSTRUMENT PANEL | CAB | ENGINE | REAR |
|---|---|---|---|---|---|---|---|
| Right | Australia | FC | — | IP-1, 2, 3, 4 | CA-1 | EG-1, 3, 4 | RR-1 |
| | | FD, GD | Single cab | IP-1, 2, 3, 4 | CA-1 | EG-5, 7, 8 | RR-1 |
| | | | Double cab | IP-1, 2, 3, 4 | CA-3 | EG-9, 10, 11 | RR-1 |
| | | FG, GH | Single cab (Manual transmission) | IP-1, 2, 3, 4 | CA-1 | EG-12, 15, 18 | RR-1 |
| | | | Double cab (Manual transmission) | IP-1, 2, 3, 4 | CA-3 | EG-19, 20, 21 | RR-1 |
| | | | Automatic transmission | IP-1, 2, 3, 4 | CA-1 | EG-12, 16, 18 | RR-1 |
| | | FL | — | IP-1, 2, 3, 4 | CA-1 | EG-23, 29, 31 | RR-2 |
| | | FM | — | IP-1, 2, 3, 4 | CA-1 | EG-23, 27, 31 | RR-2 |
| | | FM1A | — | IP-1, 2, 3, 4 | CA-1 | EG-39, 40, 41 | RR-2 |
| | | FT, GT | Single cab | IP-1, 2, 3, 4 | CA-1 | EG-36, 37, 38 | RR-1 |
| | | | Double cab | IP-1, 2, 3, 4 | CA-3 | EG-19, 20, 22 | RR-1 |
| | Hong Kong | FD | — | IP-1, 2, 3, 4 | CA-1 | EG-5, 7, 8 | RR-1 |
| | | FG, GH | — | IP-1, 2, 3, 4 | CA-1 | EG-12, 15, 18 | RR-1 |
| | Indonesia | FG | — | IP-1, 2, 3, 4 | CA-1 | EG-13, 15, 17 | RR-1 |
| | | FL, FM8J | — | IP-1, 2, 3, 4 | CA-1 | EG-24, 29, 31 | RR-2 |
| | | FM2P | — | IP-1, 2, 3, 4 | CA-1 | EG-26, 33, 34 | RR-3 |
| | | SG | — | IP-1, 2, 3, 4 | CA-1 | EG-39, 40, 41 | RR-4 |
| | Ireland | GH | — | IP-1, 2, 3, 4 | CA-1 | EG-12, 15, 18 | RR-3 |
| | New Zealand | FC | — | IP-1, 2, 3, 4 | CA-1 | EG-1, 3, 4 | RR-1 |
| | | FD, GD | Single cab | IP-1, 2, 3, 4 | CA-1 | EG-5, 7, 8 | RR-1 |
| | | | Double cab | IP-1, 2, 3, 4 | CA-3 | EG-9, 10, 11 | RR-1 |
| | | FG, GH | Single cab (Manual transmission) | IP-1, 2, 3, 4 | CA-1 | EG-12, 15, 18 | RR-1 |
| | | | Double cab (Manual transmission) | IP-1, 2, 3, 4 | CA-3 | EG-19, 20, 21 | RR-1 |
| | | | Automatic transmission | IP-1, 2, 3, 4 | CA-1 | EG-12, 16, 18 | RR-1 |
| | | FM | — | IP-1, 2, 3, 4 | CA-1 | EG-23, 27, 31 | RR-2 |
| | | FM1A | — | IP-1, 2, 3, 4 | CA-1 | EG-39, 40, 41 | RR-2 |
| | | GT | Single cab | IP-1, 2, 3, 4 | CA-1 | EG-36, 37, 38 | RR-1 |
| | | | Double cab | IP-1, 2, 3, 4 | CA-3 | EG-19, 20, 22 | RR-1 |
| | Singapore | FD | — | IP-1, 2, 3, 4 | CA-1 | EG-5, 7, 8 | RR-1 |
| | | GH | — | IP-1, 2, 3, 4 | CA-1 | EG-12, 15, 18 | RR-1 |
| | Thailand | FC | — | IP-1, 2, 3, 4 | CA-1 | EG-1, 3, 4 | RR-1 |
| | | FG | — | IP-1, 2, 3, 4 | CA-1 | EG-12, 15, 17 | RR-1 |
| | | FL, FM8J | Except tractor | IP-1, 2, 3, 4 | CA-1 | EG-23, 29, 31 | RR-2 |
| | | | Tractor | IP-1, 2, 3, 4 | CA-1 | EG-23, 30, 31 | RR-3 |
| | | FM1A | Except tractor | IP-1, 2, 3, 4 | CA-1 | EG-32, 33, 35 | RR-2 |
| | | | Tractor | IP-1, 2, 3, 4 | CA-1 | EG-32, 34, 35 | RR-3 |
| | | FM2P | Except tractor | IP-1, 2, 3, 4 | CA-1 | EG-27, 32, 34 | RR-2 |
| | | | Tractor | IP-1, 2, 3, 4 | CA-1 | EG-27, 33, 34 | RR-3 |
| | India | FL, FM | — | IP-1, 2, 3, 4 | CA-1 | EG-23, 30, 34 | RR-2 |
| Left | Chile | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | GD | — | IP-5, 6, 7, 8 | CA-2 | EG-6, 7, 8 | RR-1 |
| | | GH | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 18 | RR-1 |
| | | FM | — | IP-5, 6, 7, 8 | CA-2 | EG-25, 29, 31 | RR-2 |

https://truckmanualshub.com/

| STEERING POSITION | DESTINATION | MODEL | SPECIFICATION | INSTRUMENT PANEL | CAB | ENGINE | REAR |
|---|---|---|---|---|---|---|---|
| Left | Colombia | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | GD | — | IP-5, 6, 7, 8 | CA-2 | EG-6, 7, 8 | RR-1 |
| | | FG | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 18 | RR-1 |
| | Ecuador | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | GD | — | IP-5, 6, 7, 8 | CA-2 | EG-6, 7, 8 | RR-1 |
| | | GH | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 18 | RR-1 |
| | Mexico | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | FG, GH | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 18 | RR-1 |
| | Philippines | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | FG | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 17 | RR-1 |
| | Taiwan | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | FD | — | IP-5, 6, 7, 8 | CA-2 | EG-6, 7, 8 | RR-1 |
| | | FG, GH | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 18 | RR-1 |
| | Vietnam | FC | — | IP-5, 6, 7, 8 | CA-2 | EG-2, 3, 4 | RR-1 |
| | | FG | — | IP-5, 6, 7, 8 | CA-2 | EG-14, 15, 17 | RR-1 |
| | | FL | — | IP-5, 6, 7, 8 | CA-2 | EG-25, 30, 34 | RR-2 |
| | | FM2P | — | IP-5, 6, 7, 8 | CA-2 | EG-28, 32, 34 | RR-2 |

https://truckmanualshub.com/

# WIRING DIAGRAM

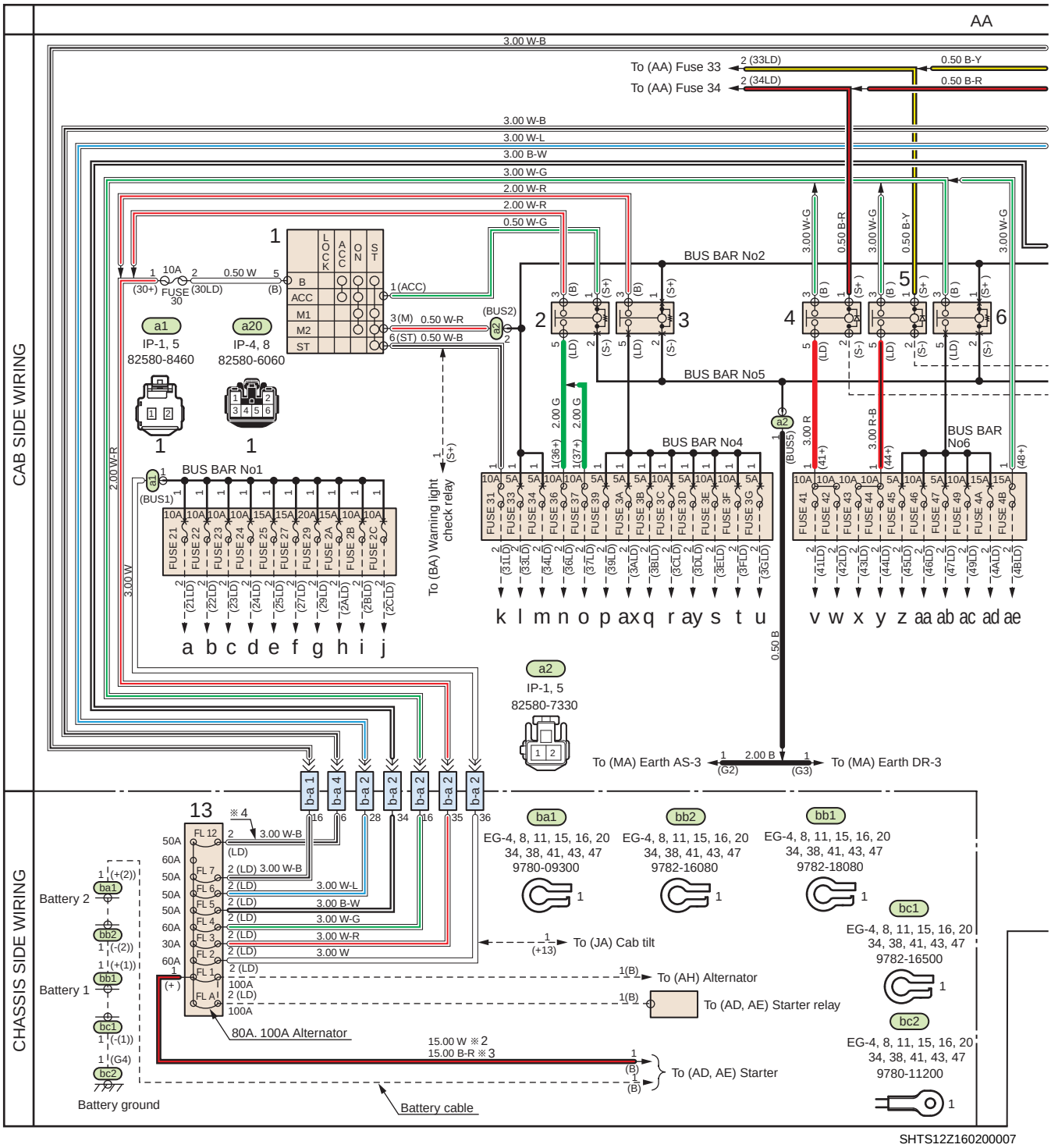
EN12Z1602J100003

**NOTICE**
**There is a case that the circuit diagrams in this section are different from that for your vehicle due to the model or specification.**

| WIRING HARNESS CODE | |
|---|---|
| **CODE** | **NAME** |
| a | Cab main wiring harness |
| b | Front wiring harness |
| c | Intermediate wiring harness |
| d | Rear wiring harness |
| e | Intermediate+rear wiring harness |
| f | Door (RH) wiring harness |
| g | Door (LH) wiring harness |
| h | Roof wiring harness |
| i | Floor wiring harness |
| j | Rear door (RH) wiring harness |
| k | Rear door (LH) wiring harness |
| | |
| ba | Battery cable 1 (Starter to Battery) |
| bb | Battery cable 2 (Battery to Battery) |
| bc | Battery cable 3 (Battery to Ground) |
| | |
| ea | Engine wiring harness 1 (J05D, J05E, J08E) |
| eb | Engine wiring harness 2 |
| ec | Engine wiring harness 3 |
| ed | Engine wiring harness 1 (A09C) |
| ee | Engine wiring harness (P11C) |
| | |
| ia | Injector sub wiring harness (J05D, J05E, J08E) |
| ib | Injector sub wiring harness (A09C) |
| ic | Injector sub wiring harness (P11C) |
| id | Link-up connector |
| | |
| sa | Air tank sub wiring harness |
| sb | Automatic transmission sub wiring harness |
| sc | Brake lock sub wiring harness |
| sd | Brake lock (Buzzer) sub wiring harness |
| se | Brake lock (Pressure switch) sub wiring harness |
| sf | Floor panel sub wiring harness |
| sg | Fuel tank sub wiring harness |
| sh | Headlight sub wiring harness |
| si | Side turn signal light sub wiring harness |
| sj | Pre-heating sub wiring harness |
| sk | Transmission P.T.O. sub wiring harness |
| sl | Working accelerator control sub wiring harness |
| sm | Air flow sensor sub wiring harness |

https://truckmanualshub.com/

https://truckmanualshub.com/



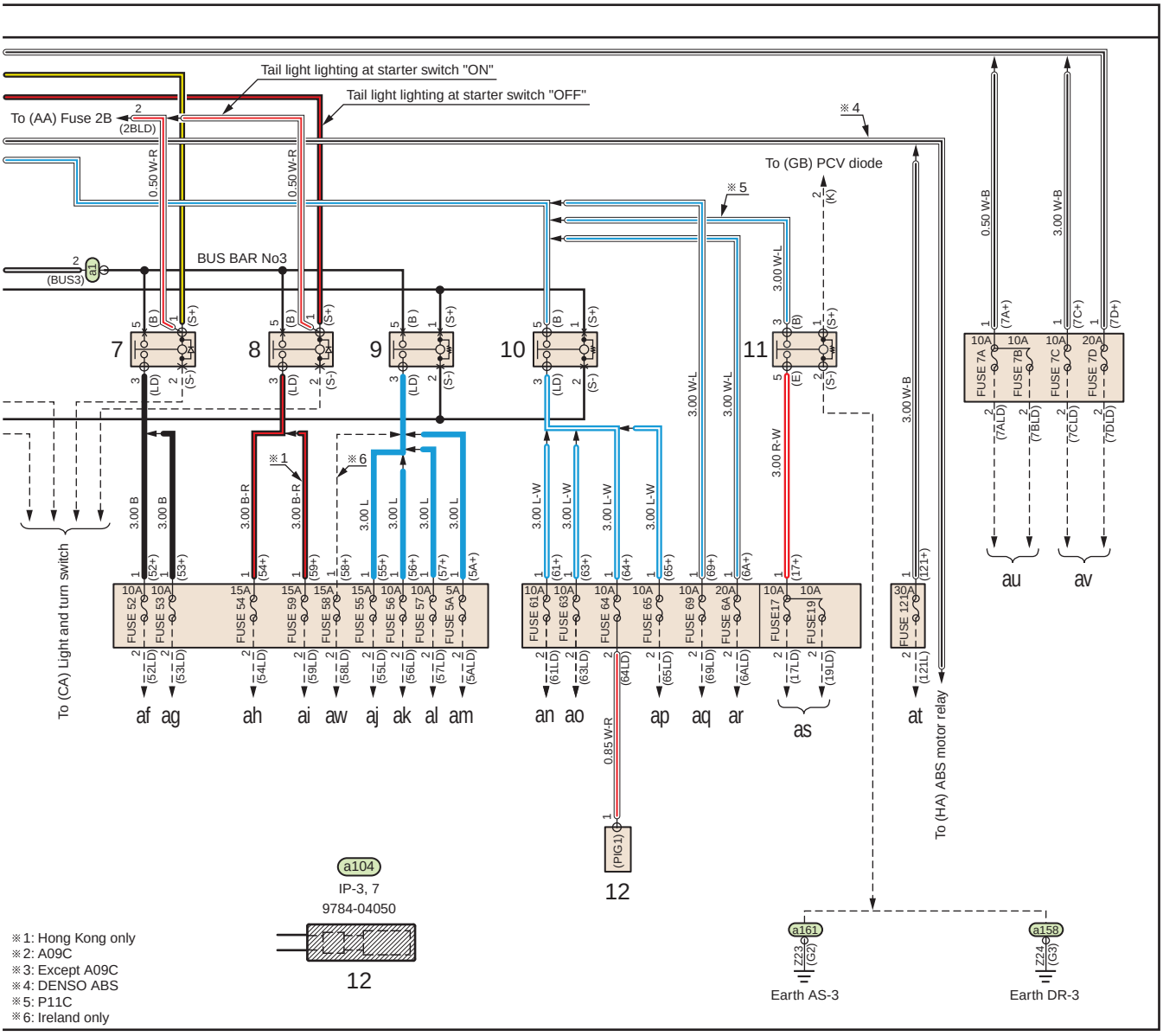

SHTS12Z160200007

**AA. POWER SUPPLY CIRCUIT**

1. Starter switch
2. Power accessory relay
3. Power relay No.1
4. Headlight relay (Main)
5. Headlight relay (Dimmer)
6. Power relay No.2
7. Tail light relay No.1
8. Tail light relay No.2
9. Power relay No.3
10. Power relay No.4
11. PCV relay
12. Service power (Ignition)
13. Fusible link block

a. To (GB, GC, GD) Common rail (Actuator), (GJ) Engine stop motor
b. To (GA, GB, GC, GD) Common rail (Main), (GE) TICS (Main)
c. To (BA, BD) Meter, (BG) Tachograph, (BI) Drive master, (EJ) Radio (+B)
d. To (CB) Turn signal flasher, (EM) Integrated unit
e. To (DA) Dome light, (EA, EB) Power door lock, (EL) Keyless entry, (EM) Integrated unit, (GC) Common rail, (JA, JB) Cab tilt, (LB) Diagnosis connector (16 pin)
f. To (HB) ABS (WABCO)
g. To (EH, EI) Power window
h. To (AB, AC) Spare power source (+B), (CK) Spot light
i. To (AA) Tail light relay (Excitation), (CB) Parking light
j. To (HA) ABS+ES start, (HC) ES start, (ID) Automatic transmission
k. To (AD, AE) Starter, (GA, GB, GC, GD) Common rail, (GE) TICS
l. To (AA) Tail light relay No.1 (Excitation)

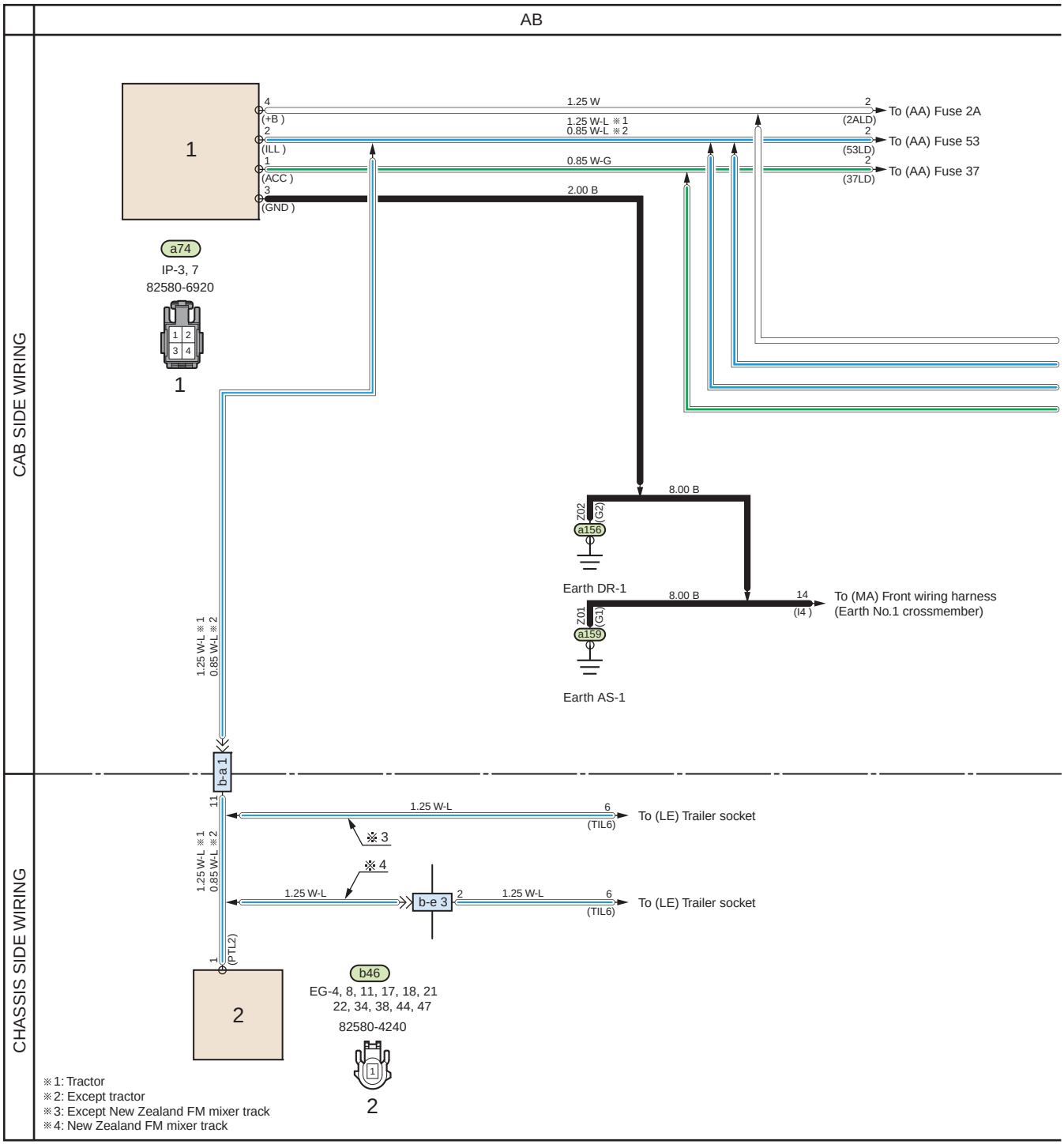
https://truckmanualshub.com/




SHTS12Z160200008

m. To (AA) Tail light relay No.2 (Excitation)
n. To (BI) Drive master, (EF) Cigarette lighter, (EJ) Radio (ACC), (EL) Keyless entry
o. To (AB, AC) Spare power source (ACC)
p. To (GA, GB, GC, GD) Common rail, (GE) TICS, (LG) VCS ECU
q. To (HC) ES start controller
r. To (BA, BD) Meter, (BC) Buzzer cancel switch, (BG) Tachograph
s. To (HA) ABS+ES start, (HB) ABS (WABCO)
t. To (AH) Alternator
u. To (GJ) Engine stop motor relay,
v. To (CA) Headlight RH (Main)
w. To (CA) Headlight LH (Main)
x. To (CA) Headlight RH (Dimmer), (EO) Headlight washer
y. To (CA) Headlight LH (Dimmer)
z. To (EE) Horn
aa. To (EC, EM) Wiper, (EO) Washer pump motor
ab. To (GG) Exhaust brake
ac. To (CB) Stop light relay, (EM) Integrated unit
ad. To (FA) Air conditioner relay
ae. To (FA) Blower motor
af. To (CB, EM) Tail light, clearance light, (CF, CH) License plate light
ag. To (AB, AC) Spare power source (ILL), (LE) Trailer socket
ah. To (BA, BD) Meter, (BF) Hour meter, (BG) Tachograph, (CB) Trailer socket, (CE) Headlight leveling, (CI) Fog light, (EJ) Radio (ILL), (EO) Headlight washer switch, (FA) Air conditioner switch (IND+), (GK) Cruise main switch
ai. To (EO) Headlight washer pump motor
aj. To (AD) Neutral switch, (BF) Hour meter, (CJ) Autoleveling, (EH, EI) Power window, (EM) Integrated unit, (EO) Headlight washer, (HD) Brake lock, (LA) Diagnosis monitor
ak. To (ED) Power mirror
al. To (CF, CG, CH, ID) Backup light, (HF) Inter-axle differential lock, (IA, IB) Lo-Hi indicator light relay
am. To (HE) Electromagnetic retarder
an. To (GE) TICS (Actuator)
ao. To (CG, ID) Automatic transmission, (LD) Transfer control
ap. To (KA, KB, KC, LD) Transmission P.T.O.
aq. To (FA) Air conditioner condenser relay
ar. To (EH) Rear power window
as. To (GB) PCV relay
at. To (HA) ABS solenoid relay
au. To (LG) VCS ECU
av. To (GM, GO) Common rail
aw. To (EK) Mirror heater
ax. To (ER) Air bag ECU
ay. To (ER) Air bag ECU

https://truckmanualshub.com/

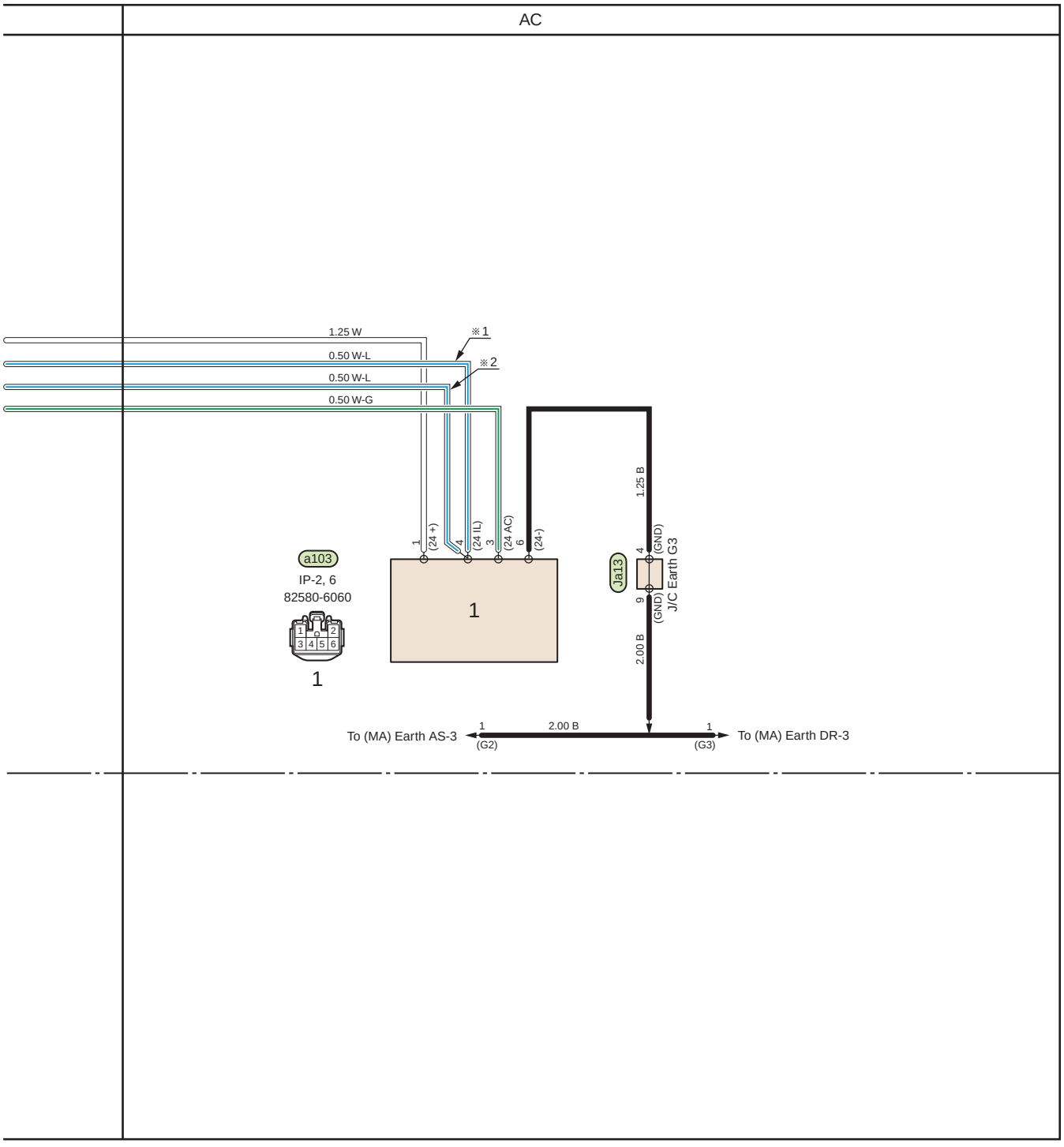



SHTS12Z160200009

**AB. ETC. SPARE POWER SUPPLY CIRCUIT**

1. ETC. spare power supply connector
2. Service power (Tail)

https://truckmanualshub.com/

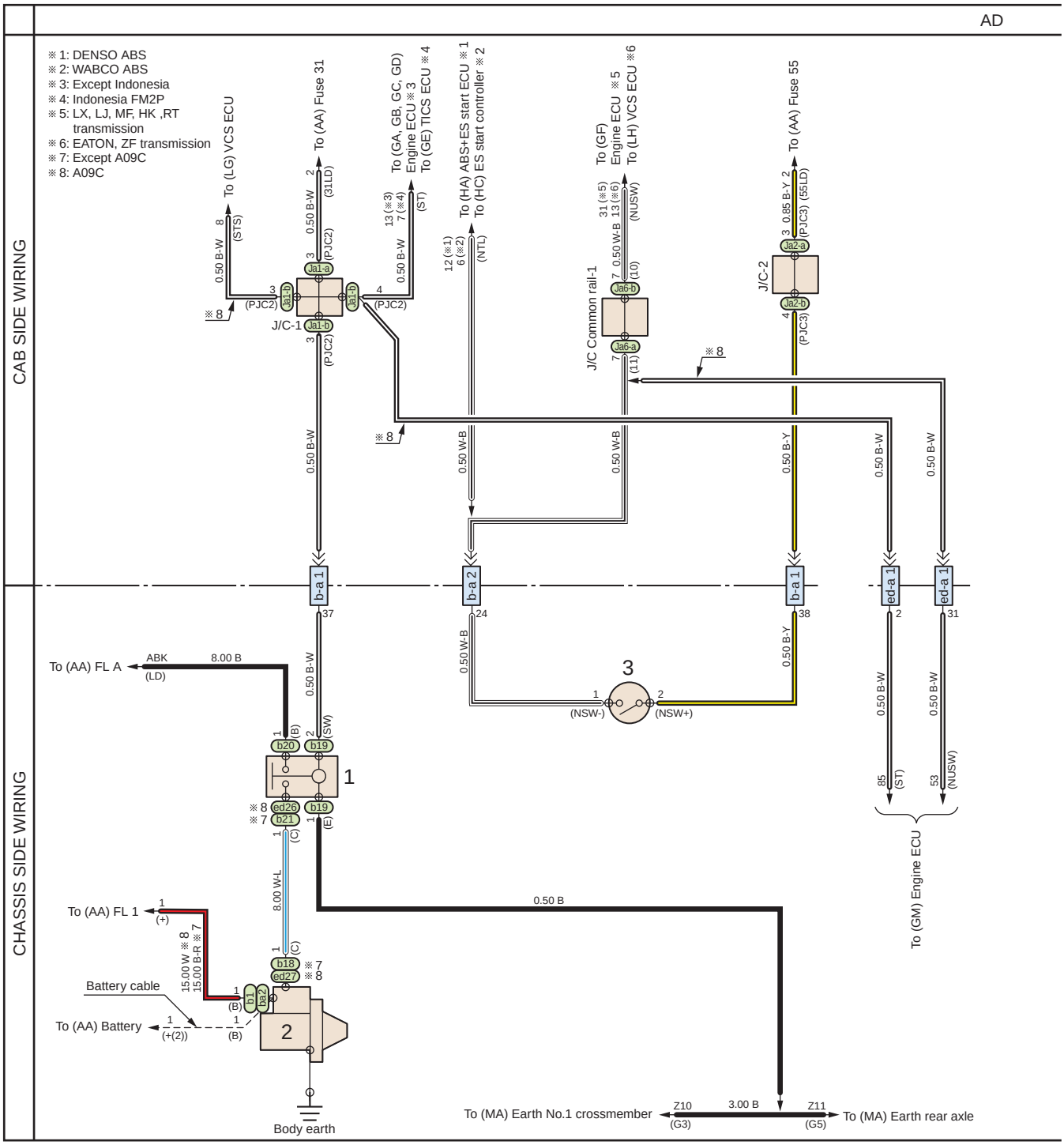



SHTS12Z160200010

**AC. 12V SPARE POWER SUPPLY CIRCUIT**

1. DC/DC converter (12V)

https://truckmanualshub.com/




**AD. ENGINE STARTING CIRCUIT (MODELS WITH MANUAL TRANSMISSION)**

1. Starter relay
2. Starter
3. Neutral switch

https://truckmanualshub.com/

※7
b20 b21
EG-1, 2, 5, 6, 10, 12, 13, 14
20, 23, 24, 25, 26, 28, 32
33, 36, 37, 40, 42, 45
9806-06050


1

※8
ed26
EG-36, 37, 40
9806-06050


1

b19
EG-1, 2, 5, 6, 10, 12, 13, 14
20, 23, 24, 25, 26, 28, 32
33, 36, 37, 40, 42, 45
82580-6600


1

b1
EG-1, 2, 5, 6, 9, 12, 13
14, 19, 29, 30, 31, 32
36, 37, 40, 42, 46
28181-1100


2

ba2
EG-3, 7, 10, 12, 13
14, 19, 29, 30, 31
36, 37, 40, 42, 46
7003-1733-02


2

※7
b18
EG-1, 2, 5, 6, 9, 12, 13
14, 19, 29, 30, 31
32, 33, 42, 46
82580-6730


2

※8
ed27
EG-36, 37, 40
82580-6730


2

※5
b50
EG-3, 7, 11, 15, 21, 22
29, 30, 36, 40, 43
82580-7180

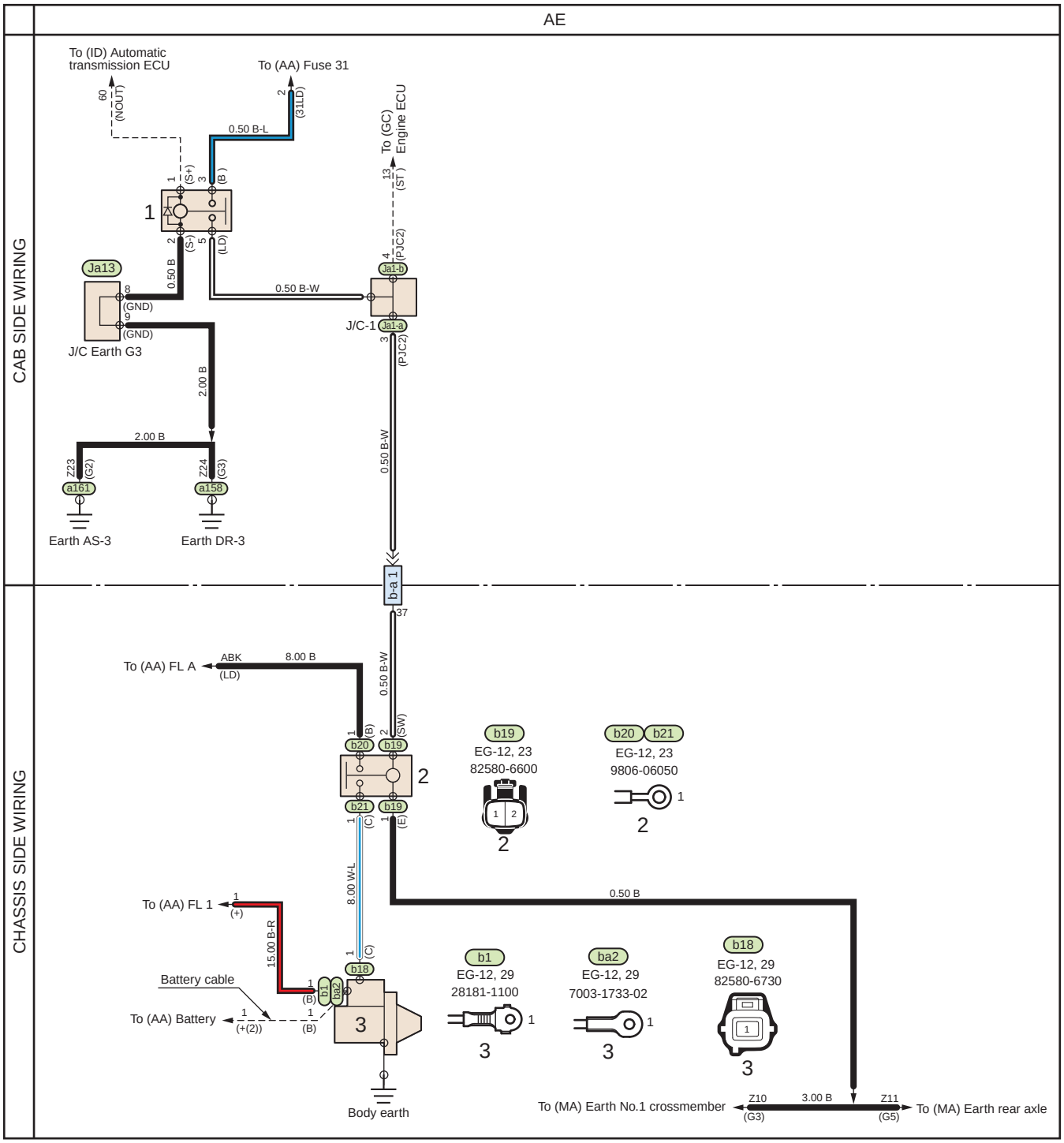

3

※6
b49
EG-15, 30, 31, 32
33, 36, 37, 46
82560-1340


3

SHTS12Z160200012

https://truckmanualshub.com/

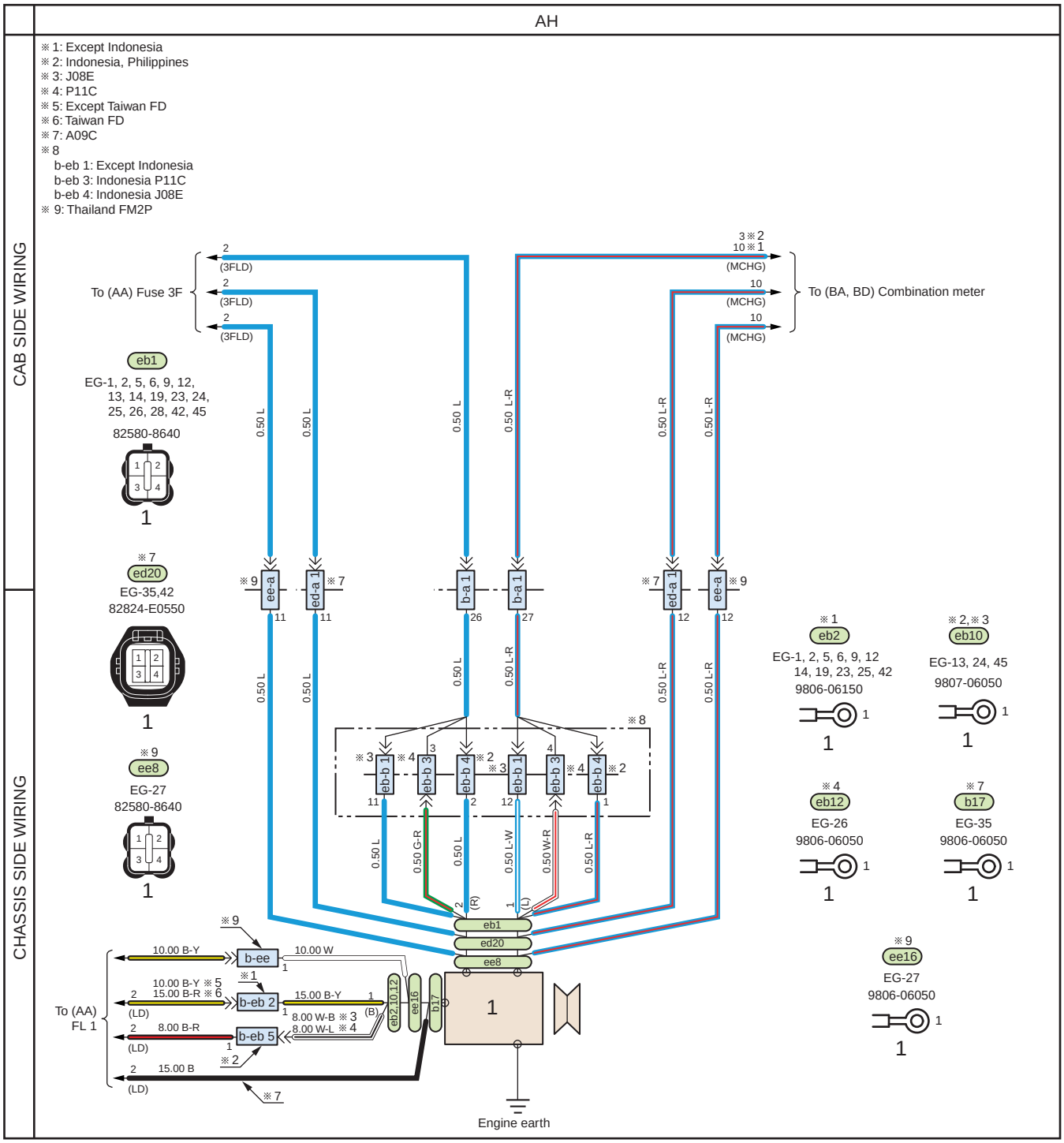



SHTS12Z160200013

**AE. ENGINE STARTING CIRCUIT (MODELS WITH AUTOMATIC TRANSMISSION)**

1. Automatic transmission neutral relay
2. Starter relay
3. Starter

https://truckmanualshub.com/

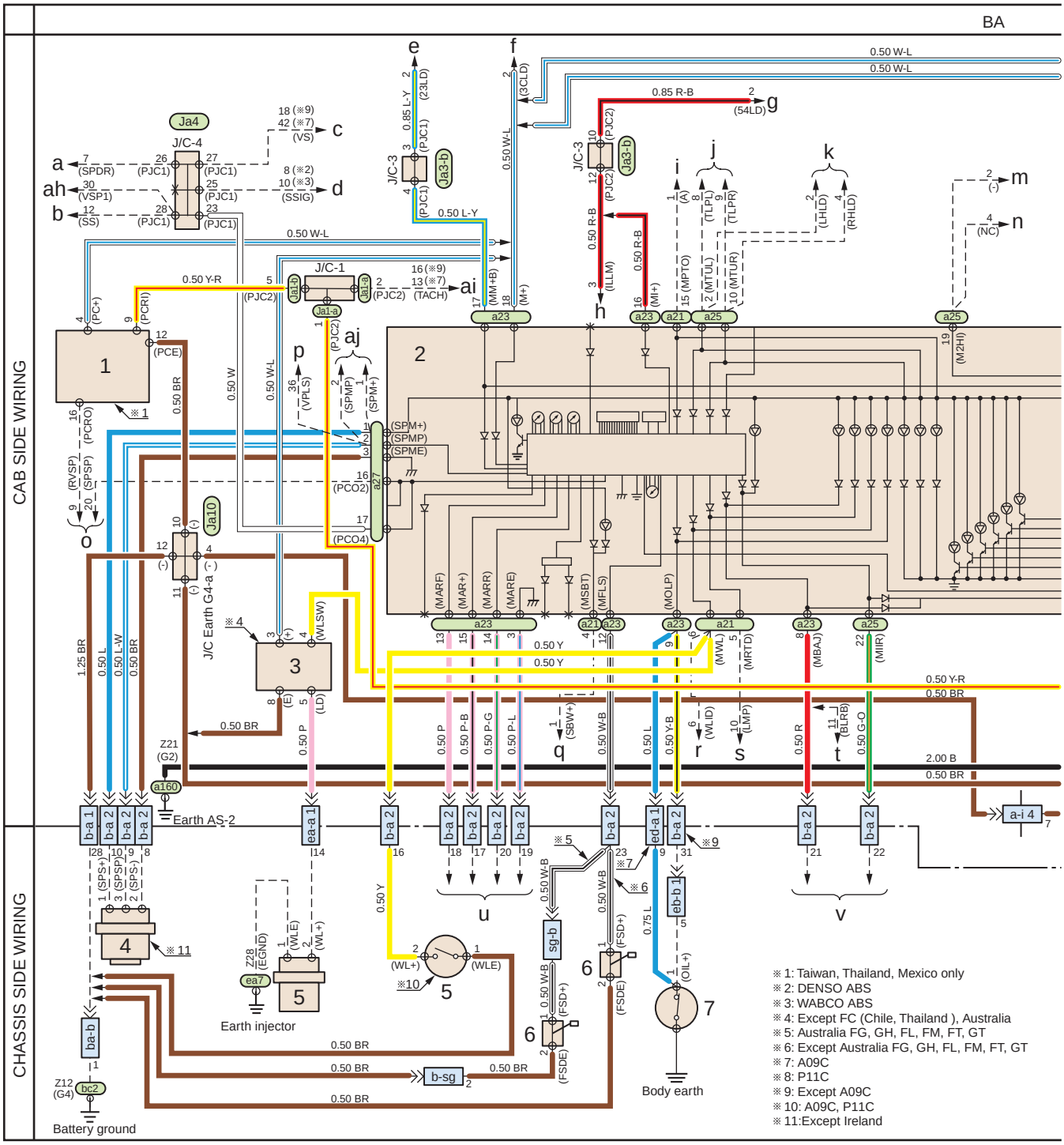



SHTS12Z160200014

**AH. CHARGING CIRCUIT**

1. Alternator

https://truckmanualshub.com/



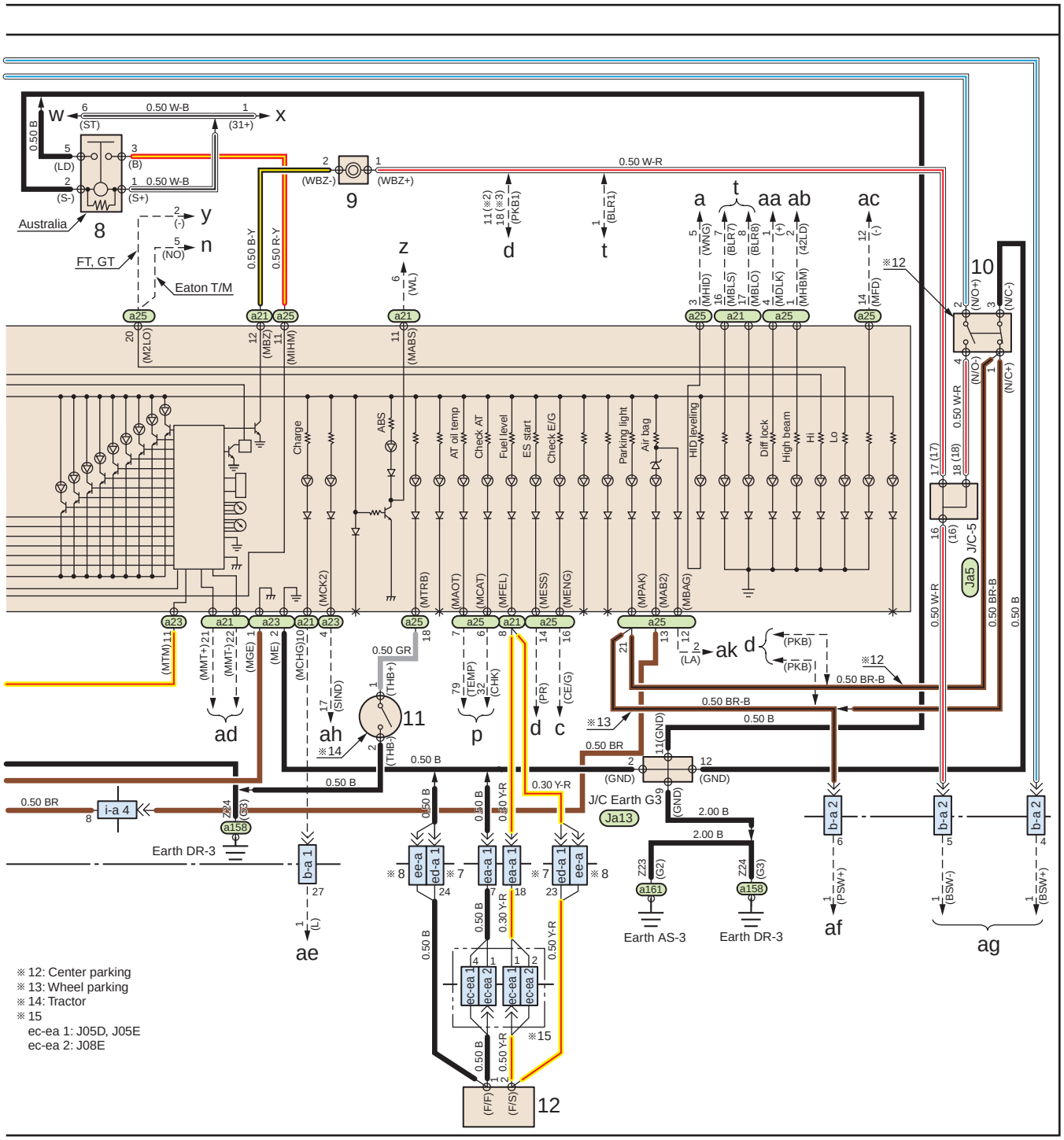

SHTS12Z160200015

**BA. METER CIRCUIT [EXCEPT MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (1 of 3)]**

1. Pulse adjust computer
2. Combination meter
3. Coolant level warning relay
4. Vehicle speed sensor
5. Coolant level switch
6. Fuel gauge sender unit
7. Oil pressure switch
8. Warning light check relay
9. Warning buzzer
10. Parking brake switch
11. Trailer hand brake switch
12. Fuel filter level sensor

a. To (CJ) Autoleveling ECU
b. To (LD) Transfer control ECU
c. To (GA, GB, GC, GD, GM) Engine ECU
d. To (HA) ABS+ES start ECU (DENSO ABS),
   To (HC) ES start controller (WABCO ABS)
e. To (AA) Fuse 23
f. To (AA) Fuse 3C
g. To (AA) Fuse 54
h. To (EJ) Radio/Audio unit
i. To (KA) P.T.O. diode
j. To (EM) Integrated unit

https://truckmanualshub.com/



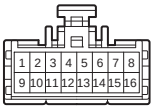

SHTS12Z160200016

k. To (CB) Turn signal flasher
m. To (LD) High detection switch
n. To (IA) Lo-Hi indicator light relay
o. To (BG) Digital tachograph
p. To (ID) Automatic transmission ECU
q. To (EG) Seat belt switch
r. To (EN) Integrated unit
s. To (HE) Retarder ECU (Control unit)
t. To (HD) Brake lock relay
u. To (BB) Air gauge sensor
v. To (BB) METER CIRCUIT (2 of 3)
w. To (AA) Starter switch
x. To (AA) Fuse 31
y. To (LD) Low detection switch
z. To (HA) ABS+ES start ECU,
To (HB) ABS ECU (18 pin)
aa. To (HF) Differential lock switch
ab. To (CA) HEADLIGHT CIRCUIT (Fuse 42)
ac. To (LD) 4WD detection switch
ad. To (LC) J/C CAN
ae. To (AH) Alternator
af. To (BC) Spring brake switch
ag. To (BC) Buzzer cancel switch
ah. To (LG) VCS ECU
ai. To (GA, GB, GC, GD) Engine ECU, (LH) VCS ECU
aj. To (BH) KIENZLE tachograph
ak. To (ER) Air bag ECU

https://truckmanualshub.com/

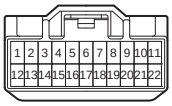
CONNECTORS FOR CIRCUIT "BA"

a81
IP-2, 5
82580-7960



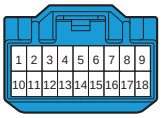

1

a21
IP-4, 8
82560-2470



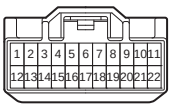

2

a23
IP-4, 8
82560-2230



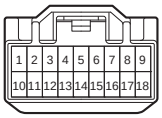

2

a25
IP-4, 8
82560-2470



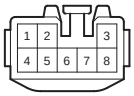

2

a27
IP-4, 8
82560-2230




2

a76
IP-3, 7
82580-6870




3

b23
EG-3, 7, 11, 15, 21
22, 29, 30, 31, 32
33, 36, 37, 40, 44
82560-3570




4

※4
ea6
EG-3, 7, 10, 15, 16
20, 29, 30, 31, 43
82580-7180




5

※7
b8
EG-32, 33, 36, 37
82580-6600




5

SHTS12Z160200017

https://truckmanualshub.com/

※1: Australia FT, GT
※2: Australia, New Zealand fuel tank capacity 200L
※3: Australia fuel tank capacity 400L
※4: Except FM1A
※5: FM1A
※6: FM2P
※7: FM1A, FM2P

b55
EG-4, 8, 11, 17, 18, 21, 22, 29 30, 31, 32, 33, 36, 37, 44
82580-5440




6

※1
b138
EG-22, 44
82580-6600




6

※2
sg1
EG-18, 29, 30, 40
82580-5440




6

※3
sg2
EG-18, 29, 30
82580-6600




6

※4
eb5
EG-1, 2, 5, 6, 9, 12, 14 19, 23, 25, 42
82580-6830




7

※5
ed23
EG-35, 39
82580-6830



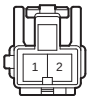

7

※6
ee11
EG-27
82580-6830




7

a11
IP-4, 8
82580-6390




9

a71
IP-3, 7
82560-3030




10

a105
IP-3
82580-6820




11

※4
ec1
EG-3, 7, 10, 15, 16 20, 29, 30, 31, 43
82580-9420




12

※5
ed14
EG-35, 39
82580-9420




12

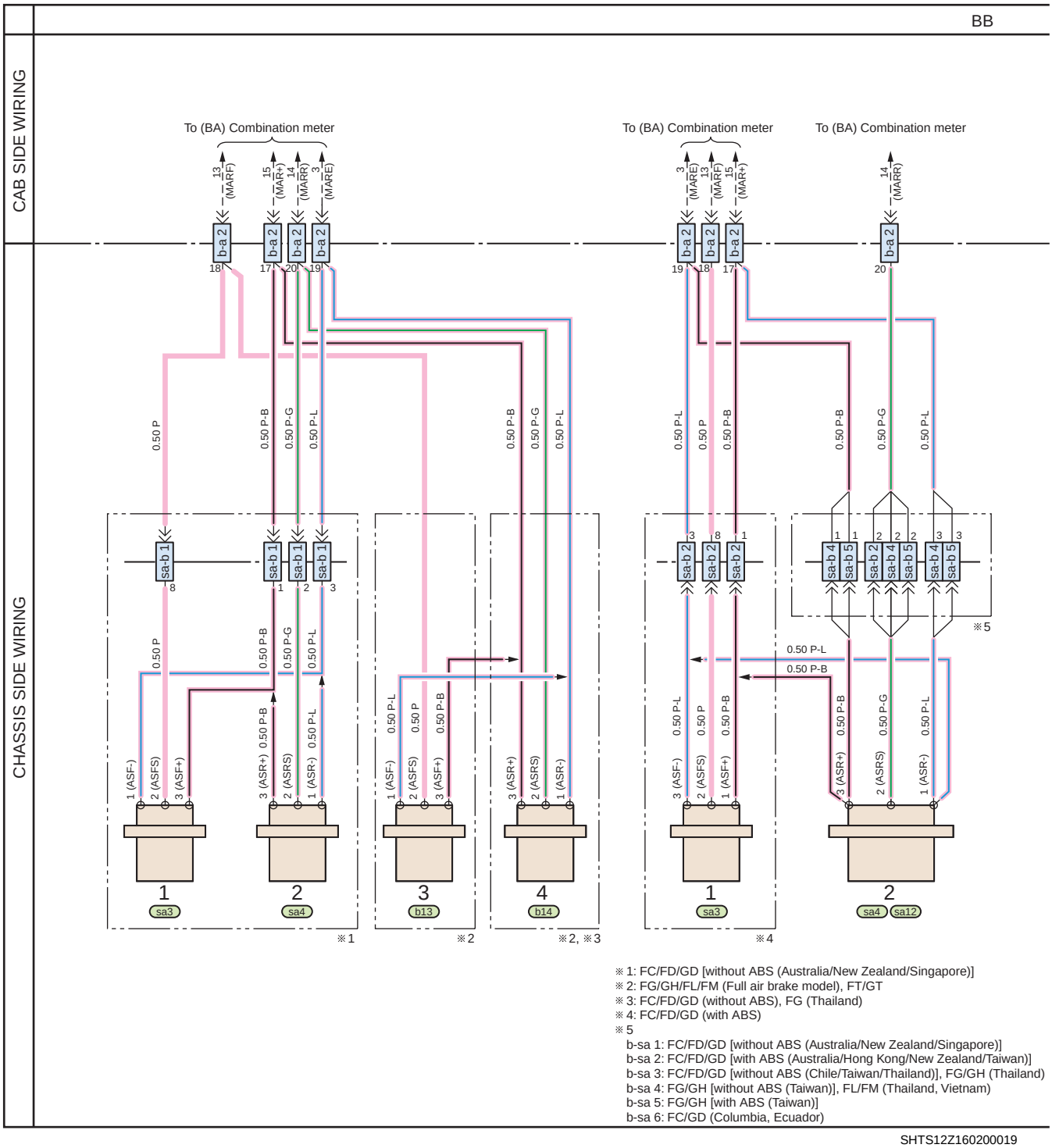
※6
ee12
EG-27
82580-9420




12

SHTS12Z160200018

https://truckmanualshub.com/

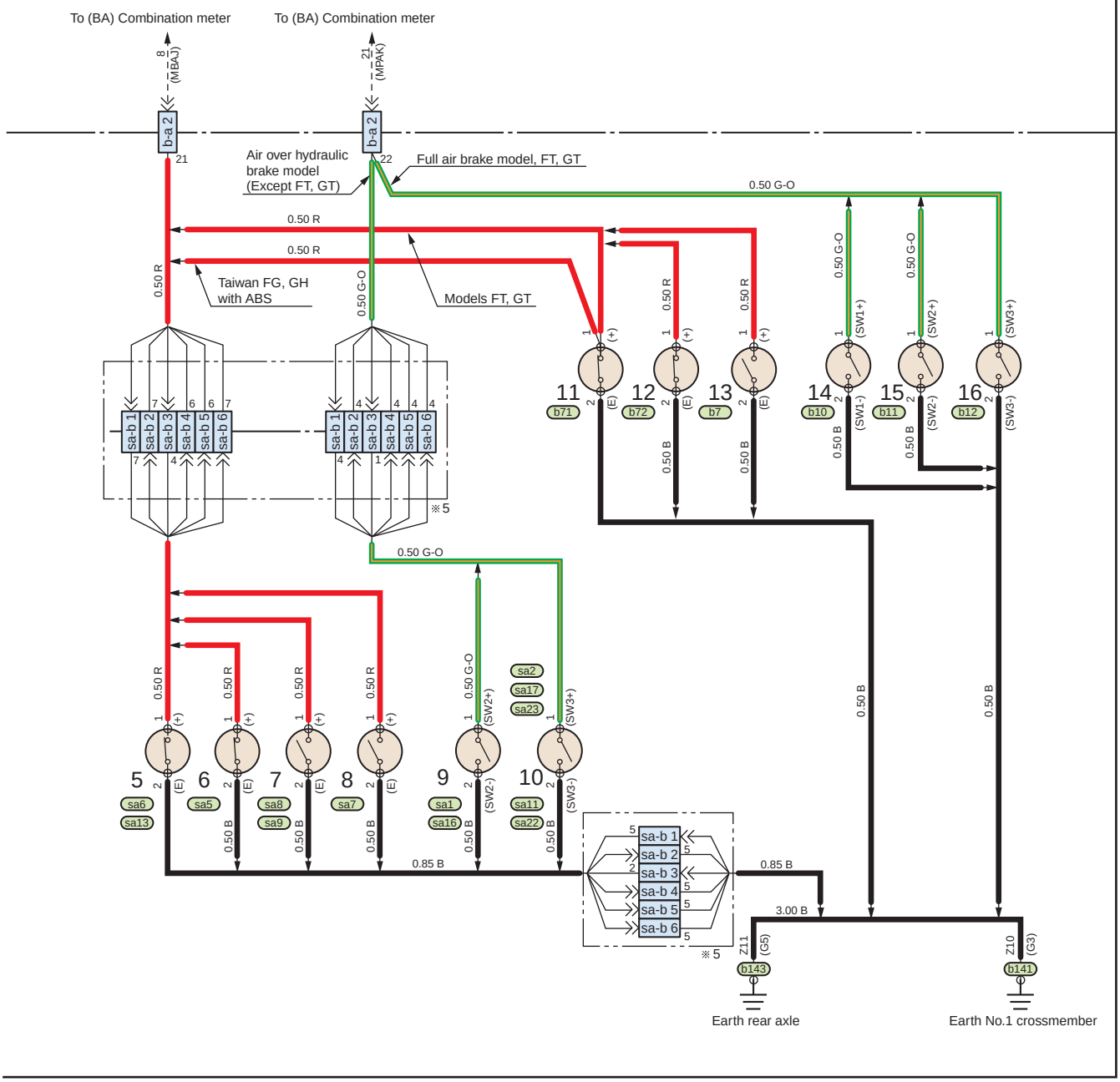



SHTS12Z160200019

**BB. METER CIRCUIT [EXCEPT MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (2 of 3)]**

1. Air gauge sensor [Front (On air tank W/H)]
2. Air gauge sensor [Rear or Wet (On air tank W/H)]
3. Air gauge sensor [Front (On front W/H)]
4. Air gauge sensor [Rear (On front W/H)]
5. Brake adjust switch (Rear or Rear RH)
6. Brake adjust switch (Front)
7. Brake fluid level switch (On air tank W/H)
8. Brake adjust switch (Rear LH)
9. Low pressure switch 2 (Front)
10. Low pressure switch 3 (Rear or Wet)
11. Brake adjust switch (Front)
12. Brake adjust switch [Rear (On front W/H)]
13. Brake fluid level switch (On front W/H)
14. Low pressure switch 1
15. Low pressure switch 2
16. Low pressure switch 3

https://truckmanualshub.com/




SHTS12Z160200020

https://truckmanualshub.com/

CONNECTORS FOR CIRCUIT "BB"

| Destination | Model | Brake | ABS | A/T W/H | F/L | L/P1 | LP2(Fr) | LP3(Rr) | LP3(Wet) |
|---|---|---|---|---|---|---|---|---|---|
| Australia | FC | Air over | LESS | b–sa 1 | sa8 | | sa1 | sa2 | |
| | | Air over | WITH | b–sa 2 | sa8 | | sa1 | sa2 | |
| | FD/GD | Air over | LESS | b–sa 1 | sa8 | | sa1 | sa2 | |
| | | Air over | WITH | b–sa 2 | sa8 | | sa1 | sa2 | |
| | FG/GH | Full air | LESS | | | b10 | b11 | b12 | |
| | | Full air | WITH | | | b10 | b11 | b12 | |
| | FL/FM | Full air | LESS | | | b10 | b11 | b12 | |
| | | Full air | WITH | | | b10 | b11 | b12 | |
| | FT/GT | Air over | LESS | | b7 | | b11 | b12 | |
| | | Air over | WITH | | b7 | | b11 | b12 | |
| Chile | FC | Air over | LESS | b–sa 3 | sa8 | | | | sa11 |
| | GD | Air over | LESS | b–sa 3 | sa8 | | | | sa11 |
| | FG/GH | Full air | LESS | | | b10 | b11 | b12 | |
| | FM | Full air | LESS | | | b10 | b11 | b12 | |
| Colombia | FC | Air over | LESS | b–sa 6 | sa8 | | | | sa11 |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | GD | Air over | LESS | b–sa 6 | sa8 | | | | sa11 |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | FG | Full air | LESS | | | | | | |
| | | Full air | WITH | | | | | | |
| Ecuador | FC | Air over | LESS | b–sa 6 | sa8 | | | | sa11 |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | GD | Air over | LESS | b–sa 6 | sa8 | | | | sa11 |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | GH | Full air | LESS | | | b10 | b11 | b12 | |
| | | Full air | WITH | | | b10 | b11 | b12 | |
| Hong Kong | FD | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa2 | |
| | FG/GH | Full air | WITH | | | b10 | b11 | b12 | |
| Ireland | GH | Full air | WITH | | | b10 | b11 | b12 | |
| India | FL/FM | Full air | WITH | | | | sa16 | sa17 | |
| Mexico | FC | Air over | LESS | b–sa 3 | sa8 | | | | |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | FG/GH | Full air | LESS | | | | sa16 | sa17 | |
| | | Full air | WITH | | | | sa16 | sa17 | |
| New Zealand | FC | Air over | LESS | b–sa 1 | sa8 | | sa16 | sa23 | |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | FD/GD | Air over | LESS | b–sa 1 | sa8 | | sa16 | sa23 | |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | FG/GH | Full air | LESS | | | b10 | b11 | b12 | |
| | | Full air | WITH | | | b10 | b11 | b12 | |
| | FM | Full air | LESS | | | b10 | b11 | b12 | |
| | | Full air | WITH | | | b10 | b11 | b12 | |
| | GT | Air over | LESS | | b7 | | b11 | b12 | |
| | | Air over | WITH | | b7 | | b11 | b12 | |
| Singapore | FD | Air over | LESS | b–sa 1 | sa8 | | sa1 | sa2 | |
| | GH | Full air | LESS | | | b10 | b11 | b12 | |
| Taiwan | FC | Air over | LESS | b–sa 3 | sa8 | | | | sa22 |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | FD | Air over | LESS | b–sa 3 | sa8 | | | | sa22 |
| | | Air over | WITH | b–sa 2 | sa8 | | sa16 | sa17 | |
| | FG/GH | Air over | LESS | b–sa 4 | sa9 | | | | sa22 |
| | | Air over | WITH | b–sa 5 | sa9 | | | | sa22 |
| | | Full air | LESS | | | | b11 | b12 | |
| | | Full air | WITH | | | | b11 | b12 | |
| Thailand | FC | Air over | LESS | b–sa 3 | sa8 | | | | sa11 |
| | FG | Air over | LESS | b–sa 3 | sa8 | | | | sa11 |
| | FL/FM/GY | Air over | LESS | b–sa 4 | sa9 | | | | sa11 |

A/T = Air tank
F/L = Brake fluid level switch
L/P = Low pressure switch

https://truckmanualshub.com/

| Destination | Model | Brake | ABS | A/G(Fr) | A/G(Rr) | A/G(Wet) | B/A(Fr) | B/A(Rr) | B/A(RrRH) | B/A(RrLH) |
|---|---|---|---|---|---|---|---|---|---|---|
| Australia | FC | Air over | LESS | sa3 | sa4 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FD/GD | Air over | LESS | sa3 | sa4 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FG/GH | Full air | LESS | b13 | b14 | | | | | |
| | | Full air | WITH | b13 | b14 | | | | | |
| | FL/FM | Full air | LESS | b13 | b14 | | | | | |
| | | Full air | WITH | b13 | b14 | | | | | |
| | FT/GT | Air over | LESS | b13 | b14 | | b71 | b72 | | |
| | | Air over | WITH | b13 | b14 | | b71 | b72 | | |
| Chile | FC | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | GD | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | FG/GH | Full air | LESS | b13 | b14 | | | | | |
| | FM | Full air | LESS | b13 | b14 | | | | | |
| Colombia | FC | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | GD | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FG | Full air | LESS | | | | | | | |
| | | Full air | WITH | | | | | | | |
| Ecuador | FC | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | GD | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | GH | Full air | LESS | b13 | b14 | | | | | |
| | | Full air | WITH | b13 | b14 | | | | | |
| Hong Kong | FD | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FG/GH | Full air | WITH | b13 | b14 | | | | | |
| Ireland | GH | Full air | WITH | b13 | b14 | | | | | |
| India | FL/FM | Full air | WITH | sa3 | b14 | | | | | |
| Mexico | FC | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | b14 | | sa5 | sa13 | | |
| | FG/GH | Full air | LESS | sa3 | b14 | | | | | |
| | | Full air | WITH | sa3 | b14 | | | | | |
| New Zealand | FC | Air over | LESS | sa3 | sa4 | | sa5 | sa13 | | |
| | | Air over | LESS | sa3 | sa4 | | sa5 | sa13 | | |
| | FD/GD | Air over | LESS | sa3 | sa4 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FG/GH | Full air | LESS | b13 | b14 | | | | | |
| | | Full air | WITH | b13 | b14 | | | | | |
| | FM | Full air | LESS | b13 | b14 | | | | | |
| | | Full air | WITH | b13 | b14 | | | | | |
| | GT | Air over | LESS | b13 | b14 | | b71 | b72 | | |
| | | Air over | WITH | b13 | b14 | | b71 | b72 | | |
| Singapore | FD | Air over | LESS | sa3 | sa4 | | sa5 | sa13 | | |
| | GH | Full air | LESS | b13 | b14 | | | | | |
| Taiwan | FC | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FD | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | | Air over | WITH | sa3 | sa4 | | sa5 | sa13 | | |
| | FG/GH | Air over | LESS | | | sa12 | sa5 | sa13 | | |
| | | Air over | WITH | | | sa12 | b71 | | sa6 | sa7 |
| | | Full air | LESS | b13 | b14 | | | | | |
| | | Full air | WITH | b13 | b14 | | | | | |
| Thailand | FC | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | FG | Air over | LESS | | b14 | | sa5 | sa13 | | |
| | FL/FM/GY | Air over | LESS | | | sa12 | sa5 | sa13 | | |

https://truckmanualshub.com/

CONNECTORS FOR CIRCUIT "BB"

sa3
EG-4, 8, 11, 41
82560-3190


1

sa4
EG-4, 8, 11, 41
82560-3190


2

sa12
EG-18, 34, 38
82560-3190


2

b13
EG-18, 21, 22, 34, 41, 44
82560-3190


3

b14
EG-4, 8, 17, 18, 21, 22, 34, 44
82560-3190


4

sa6
EG-18
82580-9250


5

sa13
EG-4, 8, 11, 17, 18, 34, 38
82580-9250


5

sa5
EG-4, 8, 11, 17, 18, 34, 38, 41
82590-9250


6

sa8
EG-4, 8, 11, 17
82580-9250


7

sa9
EG-18, 34, 38, 41
82580-9240


7

sa7
EG-18
82580-9250


8

sa1
EG-4, 8, 11
82560-3610


9

https://truckmanualshub.com/

sa16
EG-4, 8, 11
82560-3590


9

sa2
EG-4, 8, 11
82560-3610


10

sa11
EG-4, 8, 17, 34, 38
82560-3610


10

sa17
EG-4, 8, 11, 41
82560-3590


10

sa22
EG-4, 8, 18
82560-3590


10

sa23
EG-4, 8
82560-3590


10

b71
EG-18, 22, 44
82580-9250


11

b72
EG-22, 44
82580-9250


12

b7
EG-22, 44
82580-9240


13

b10
EG-18, 21, 34
82560-3610


14

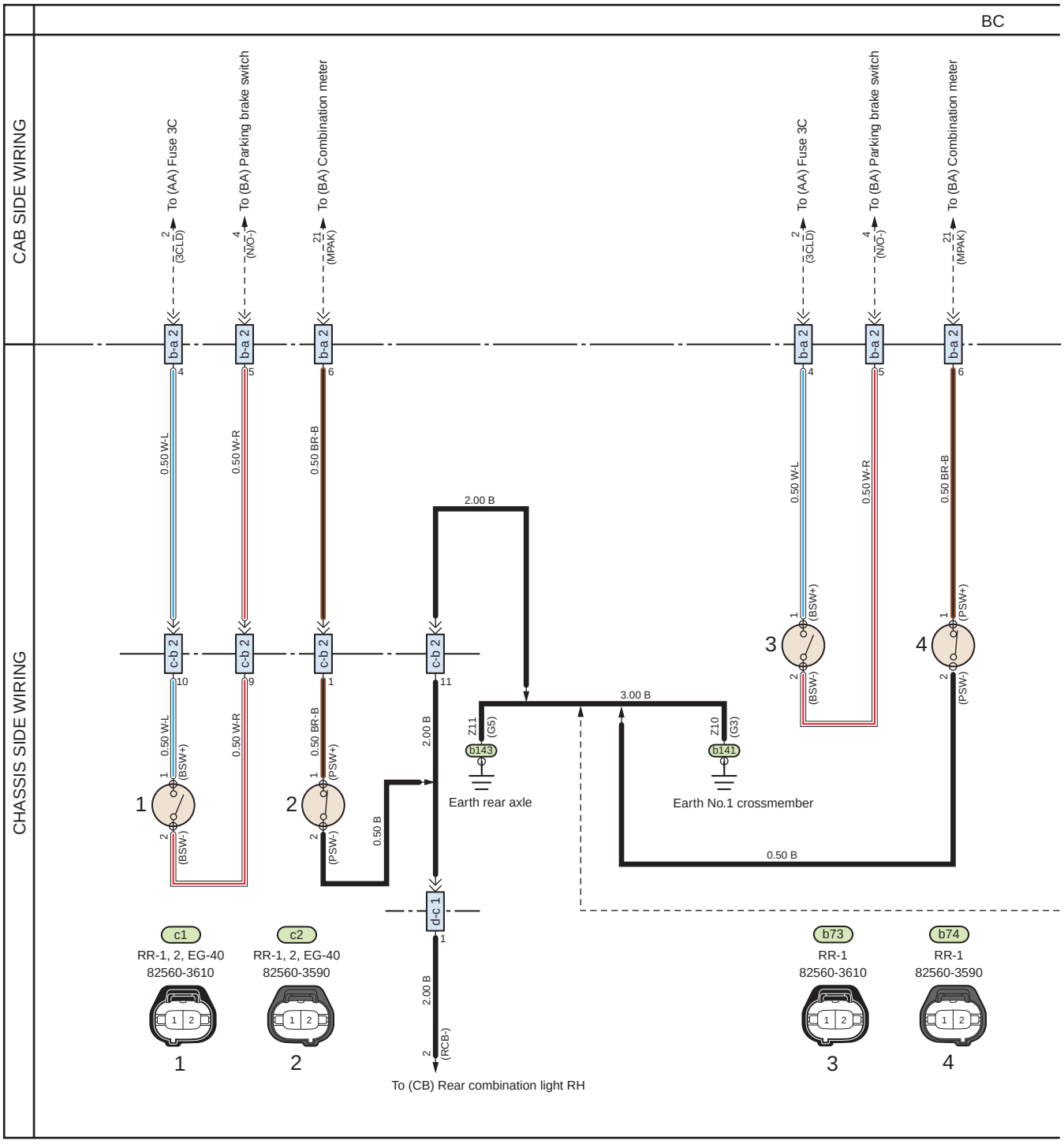
b11
EG-18, 21, 22, 34, 44
82560-3610


15

b12
EG-18, 21, 22, 34, 44
82560-3610


16

https://truckmanualshub.com/

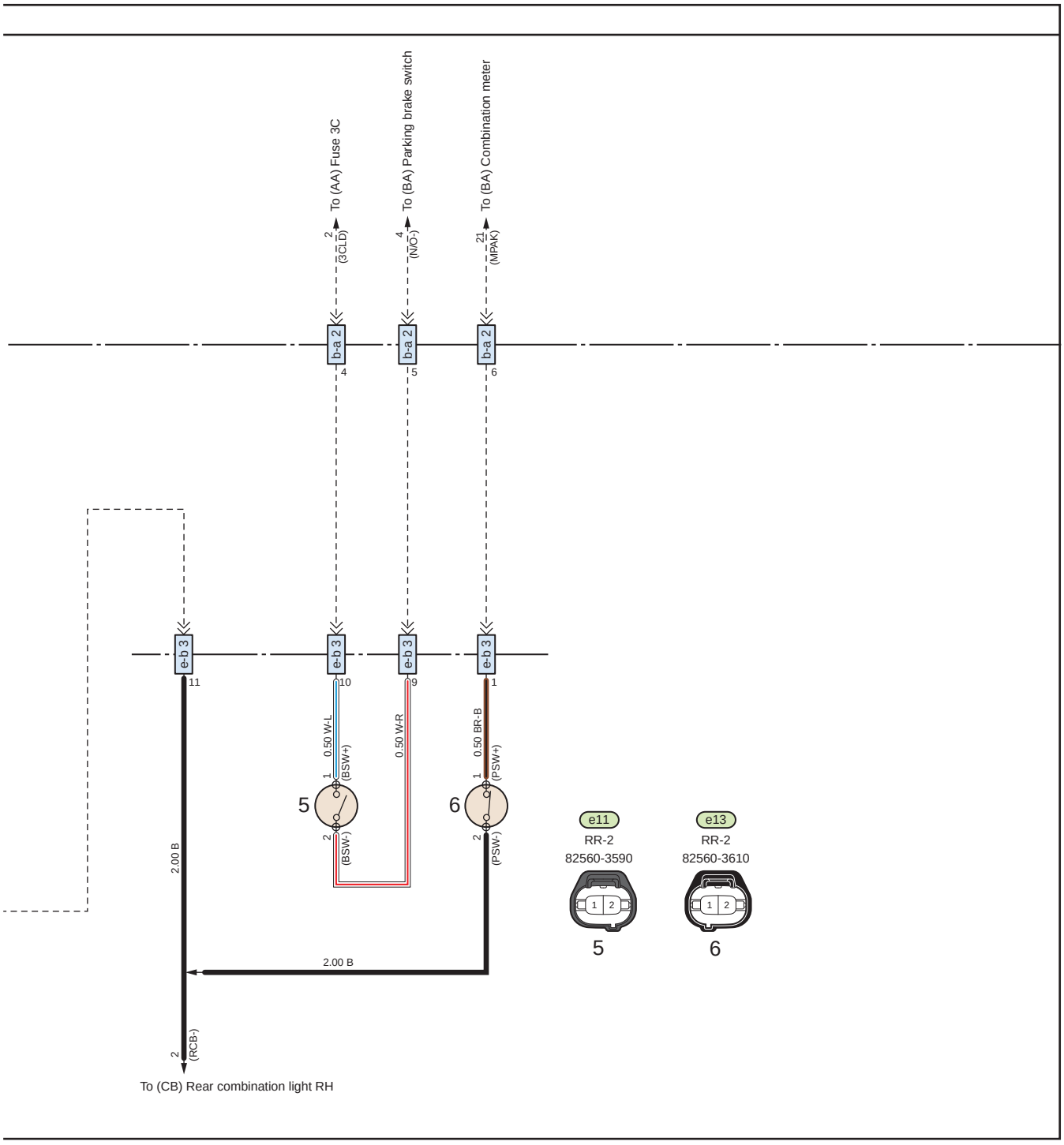



SHTS12Z160200025

**BC. METER CIRCUIT [EXCEPT MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (3 of 3)]**

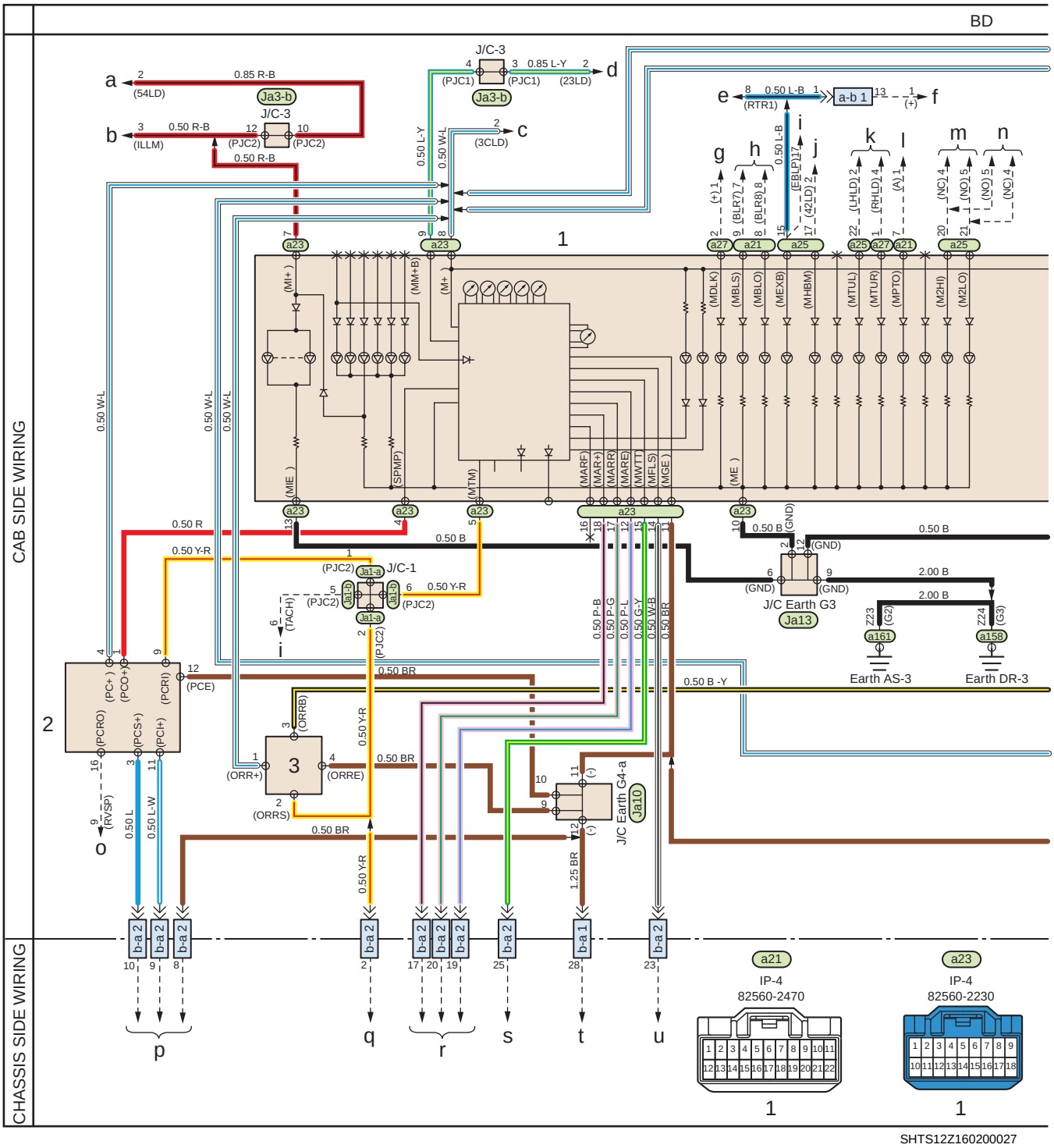
1. Buzzer cancel switch (Except Models FT, GT and New Zealand FM mixer truck)
2. Spring brake switch (Except Models FT, GT and New Zealand FM mixer truck)
3. Buzzer cancel switch (Models FT, GT)
4. Spring brake switch (Models FT, GT)
5. Buzzer cancel switch (New Zealand FM mixer truck)
6. Spring brake switch (New Zealand FM mixer truck)

https://truckmanualshub.com/




SHTS12Z160200026

https://truckmanualshub.com/

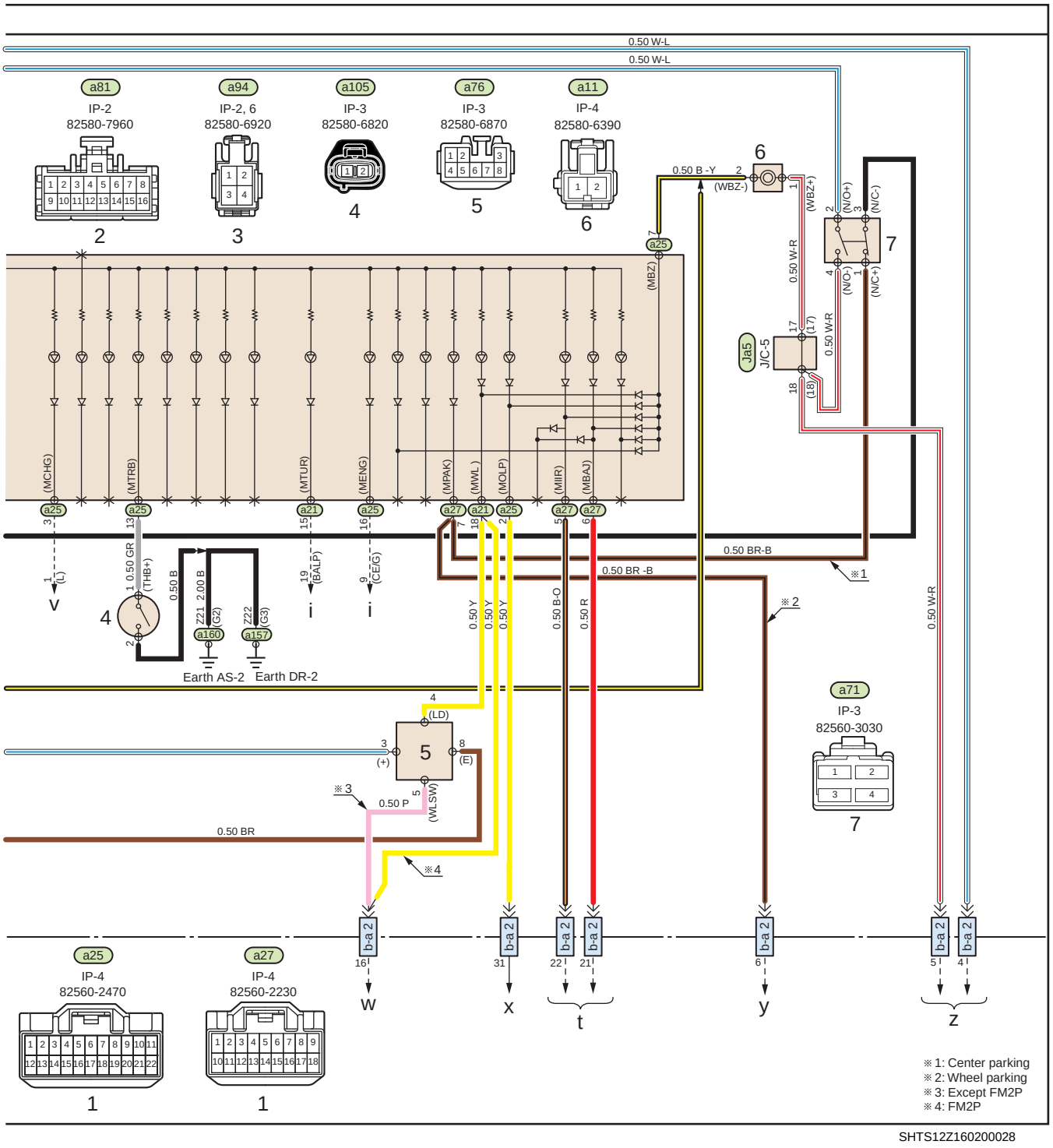



**BD. METER CIRCUIT [MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (1 of 2)]**

1. Combination meter
2. Pulse adjust computer
3. Over run relay
4. Trailer hand brake switch
5. Coolant level warning relay
6. Warning buzzer
7. Parking brake switch

a. To (AA) Fuse 54
b. To (EJ) Radio/Audio unit
c. To (AA) Fuse 3C
d. To (AA) Fuse 23
e. To (GG) Wiper and retarder switch
f. To (GG) Exhaust brake magnetic valve
g. To (HF) Differential lock magnetic valve
h. To (HD) Brake lock relay
i. To (GE) TICS ECU
j. To (CA) HEADLIGHT CIRCUIT (Fuse 42)
k. To (CB) Turn signal flasher
l. To (KA) P.T.O. diode
m. To (IA) Lo-Hi indicator light relay (EATON)

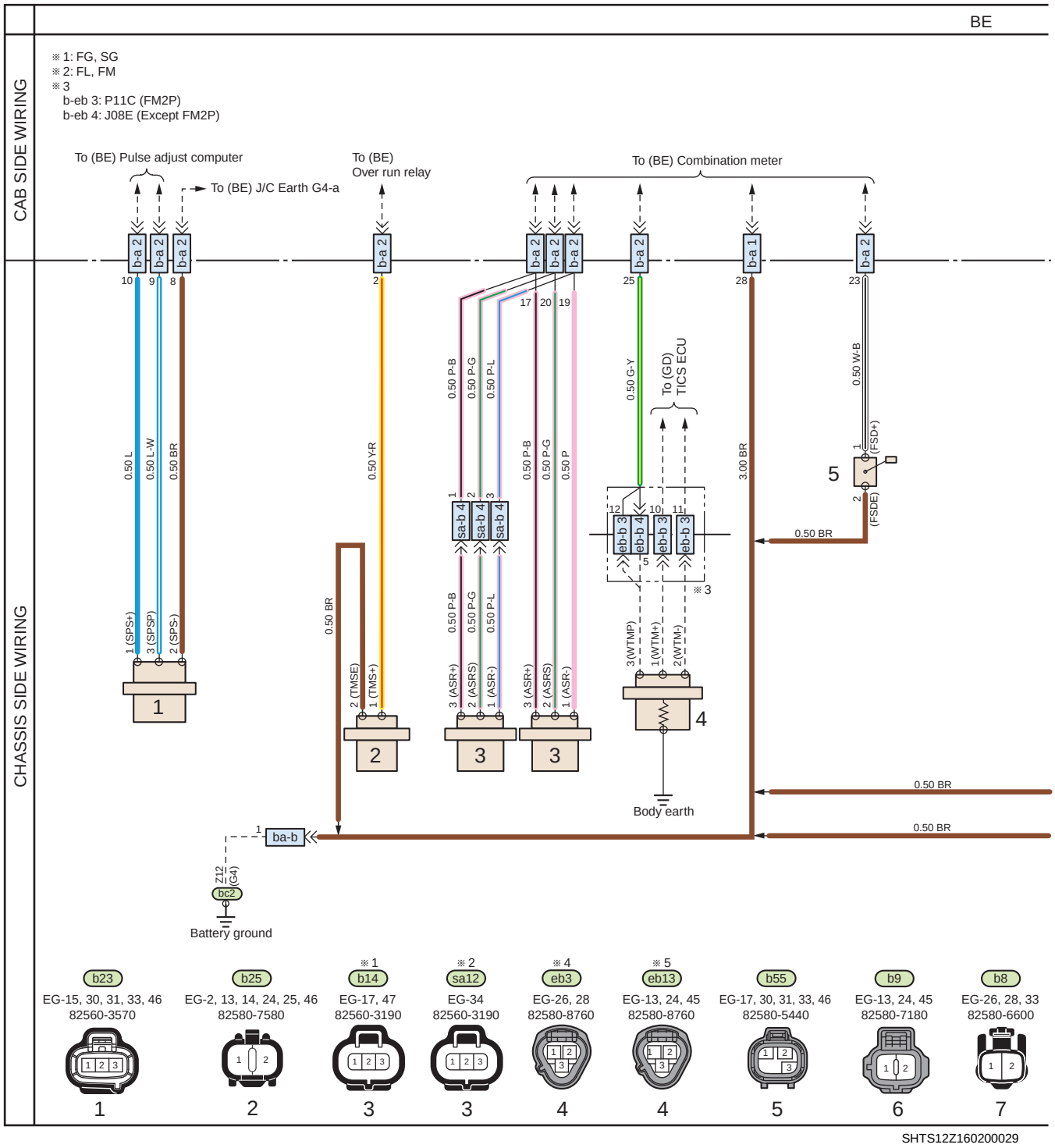
https://truckmanualshub.com/




SHTS12Z160200028

n. To (IB) Lo-Hi indicator light relay (ZF)
o. To (BG) Digital tachograph
p. To (BE) Vehicle speed sensor
q. To (BE) Tachometer sensor
r. To (BE) Air gauge sensor
s. To (BE) Coolant temperature gauge sender unit
t. To (BE) METER CIRCUIT (2/2)
u. To (BE) Fuel gauge sender unit
v. To (AH) Alternator
w. To (BE) Coolant level switch
x. To (BE) Oil pressure switch
y. To (BC) Spring brake switch
z. To (BC) Buzzer cancel switch

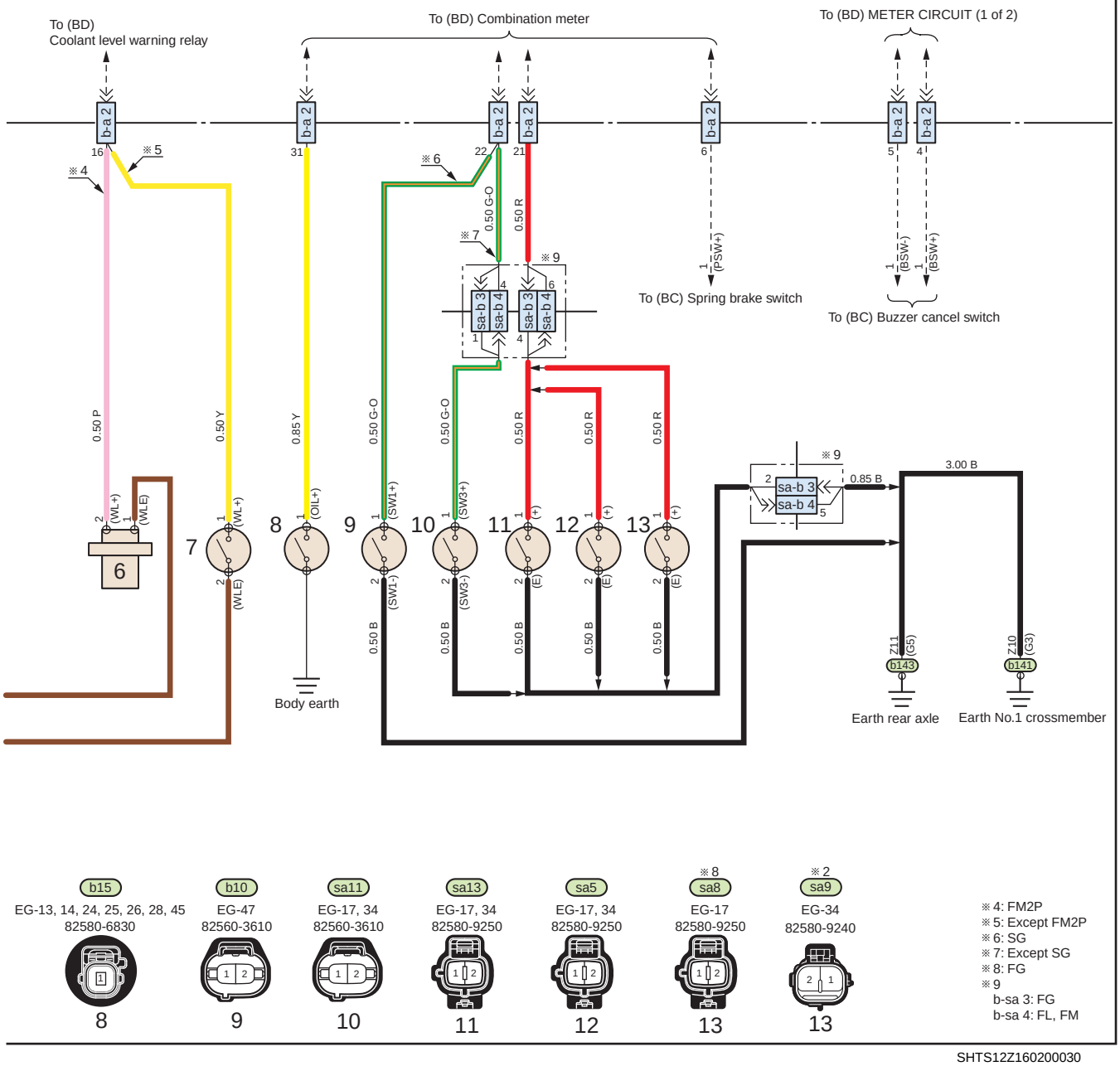
https://truckmanualshub.com/




**BE. METER CIRCUIT [MODELS FOR INDONESIA, PHILIPPINES, VIETNAM (2 of 2)]**

1. Vehicle speed sensor
2. Tachometer sensor
3. Air gauge sensor
4. Coolant temperature gauge sender unit
5. Fuel gauge sender unit
6. Coolant level switch (Except FM2P)
7. Coolant level switch (FM2P)
8. Oil pressure switch
9. Low pressure switch 1
10. Low pressure switch 3
11. Brake adjust switch (Rear)
12. Brake adjust switch (Front)
13. Brake fluid level switch

https://truckmanualshub.com/

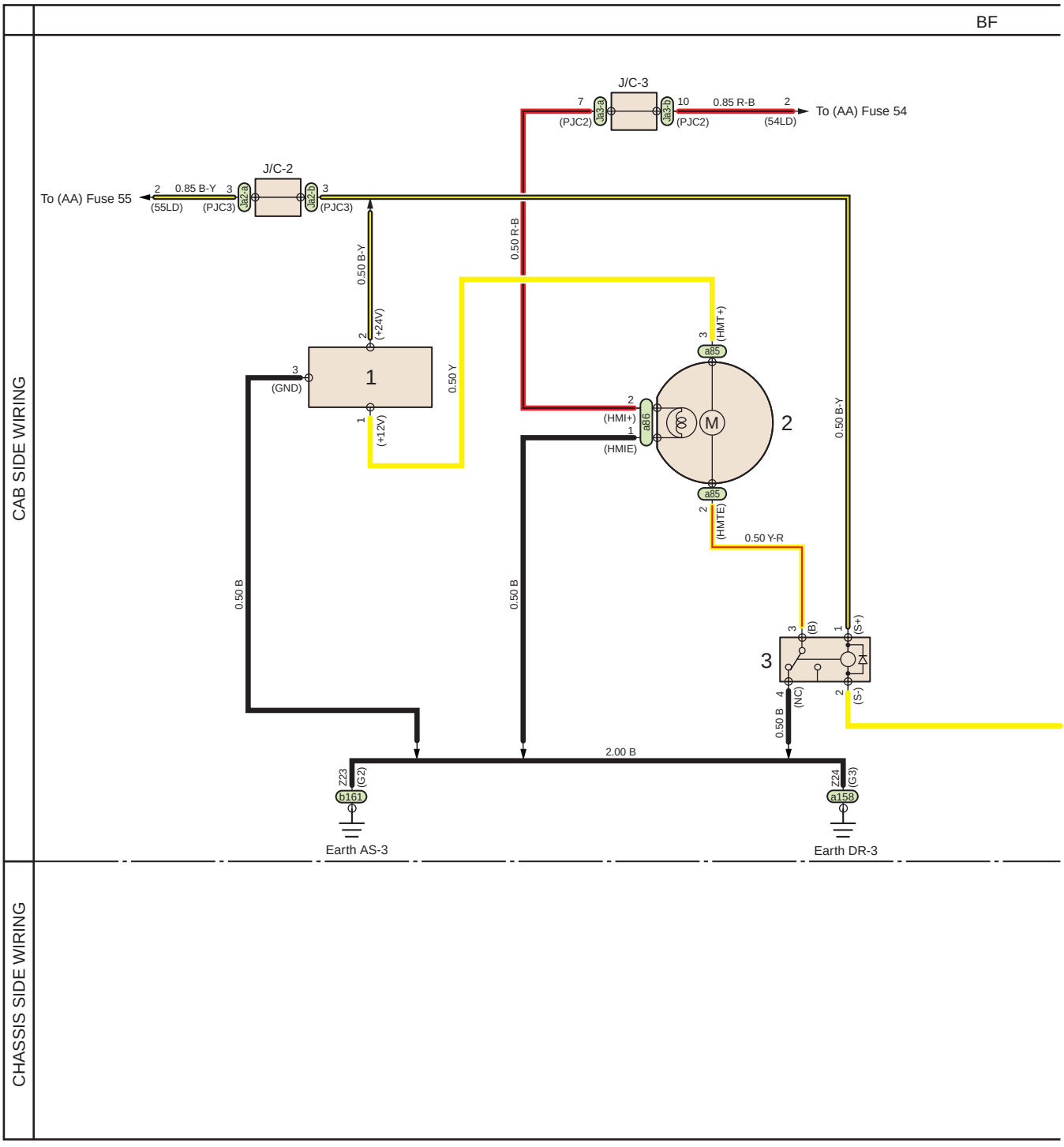



| b15 | b10 | sa11 | sa13 | sa5 | ※8 sa8 | ※2 sa9 |
|---|---|---|---|---|---|---|
| EG-13, 14, 24, 25, 26, 28, 45 | EG-47 | EG-17, 34 | EG-17, 34 | EG-17, 34 | EG-17 | EG-34 |
| 82580-6830 | 82560-3610 | 82560-3610 | 82580-9250 | 82580-9250 | 82580-9250 | 82580-9240 |
| 8 | 9 | 10 | 11 | 12 | 13 | 13 |

※4: FM2P
※5: Except FM2P
※6: SG
※7: Except SG
※8: FG
※9
b-sa 3: FG
b-sa 4: FL, FM

SHTS12Z160200030

https://truckmanualshub.com/

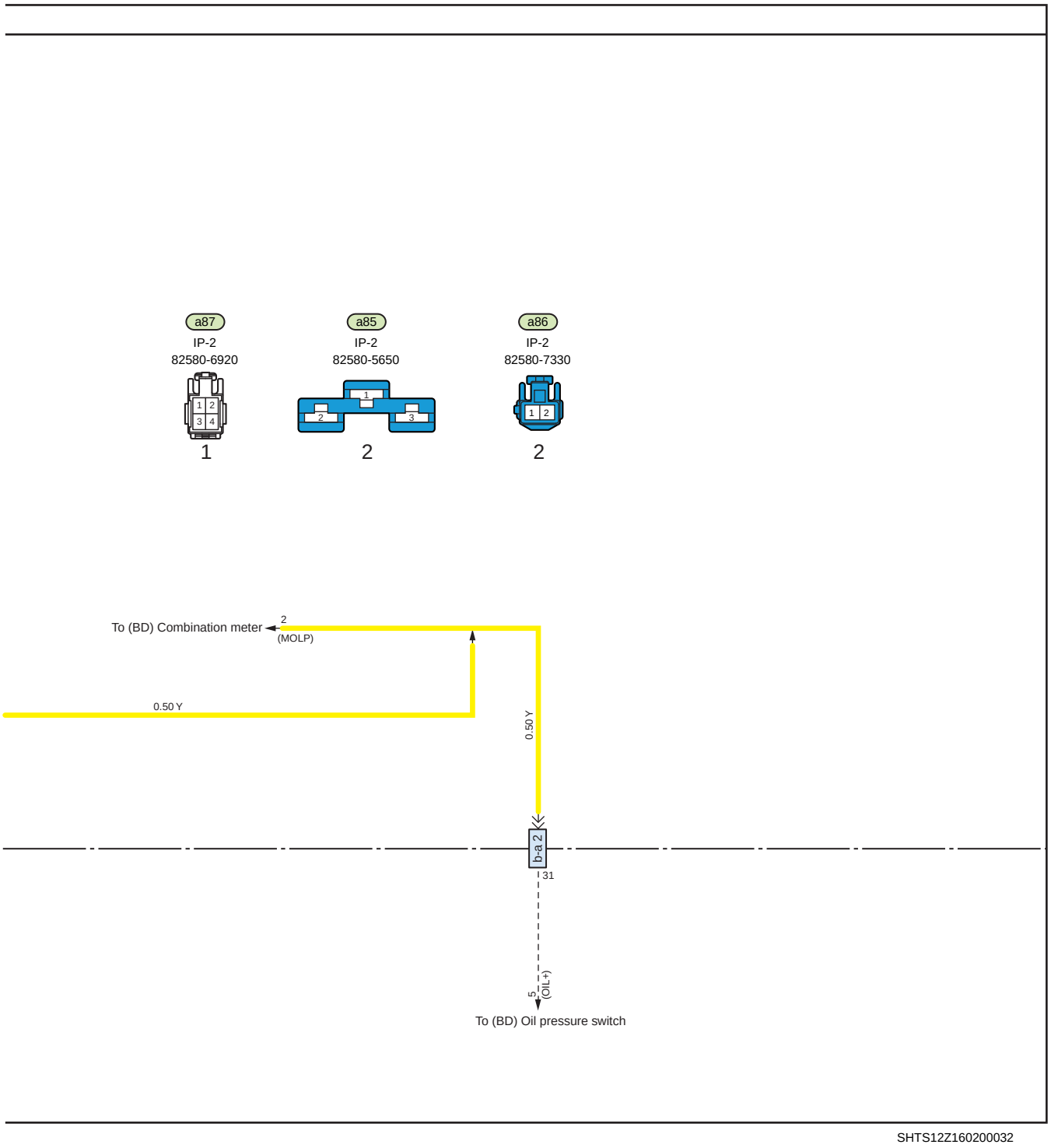



SHTS12Z160200031

**BF. HOUR METER CIRCUIT**

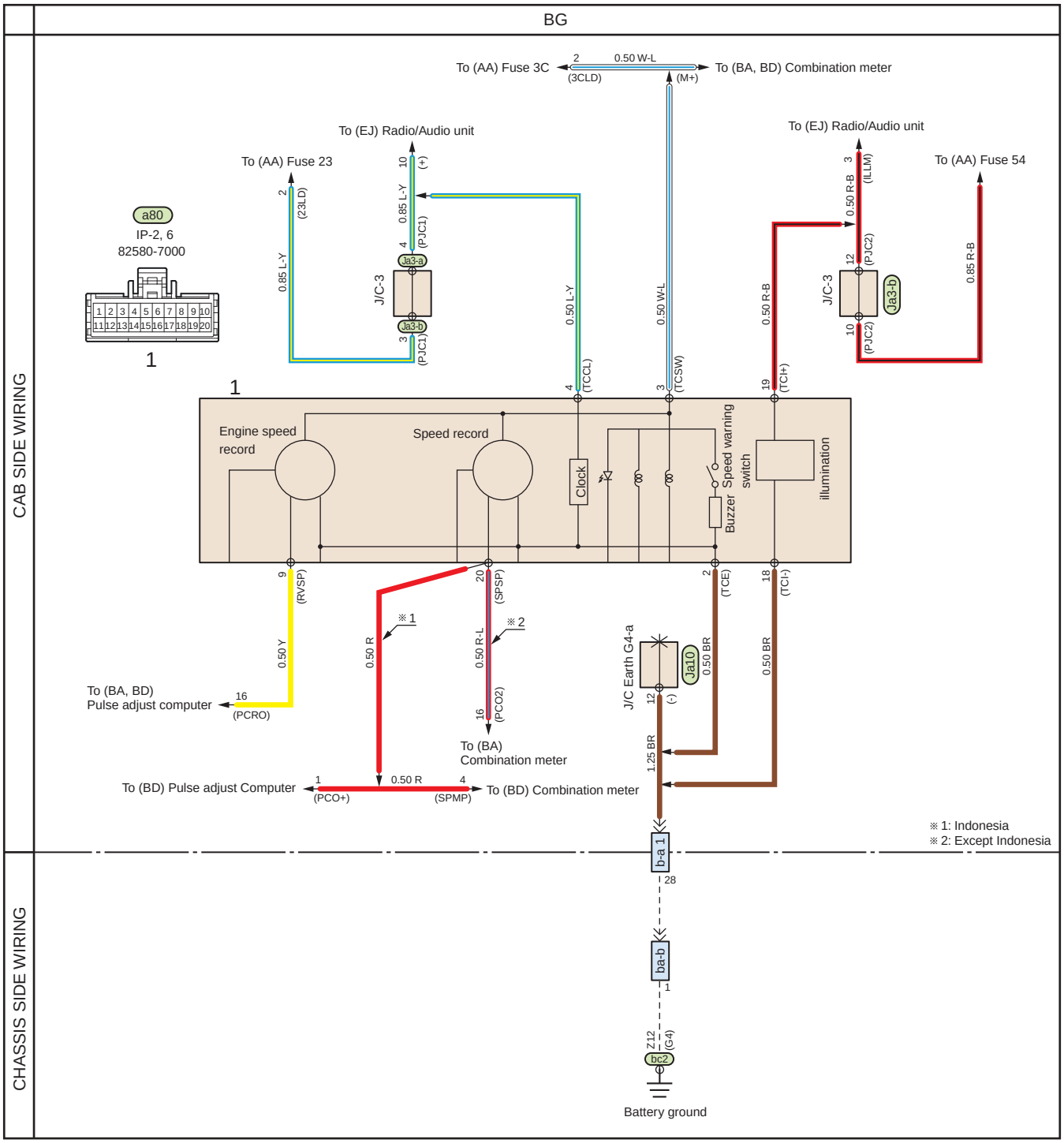
1. DC/DC converter (Hour meter)
2. Hour meter
3. Hour meter relay

https://truckmanualshub.com/




SHTS12Z160200032

https://truckmanualshub.com/

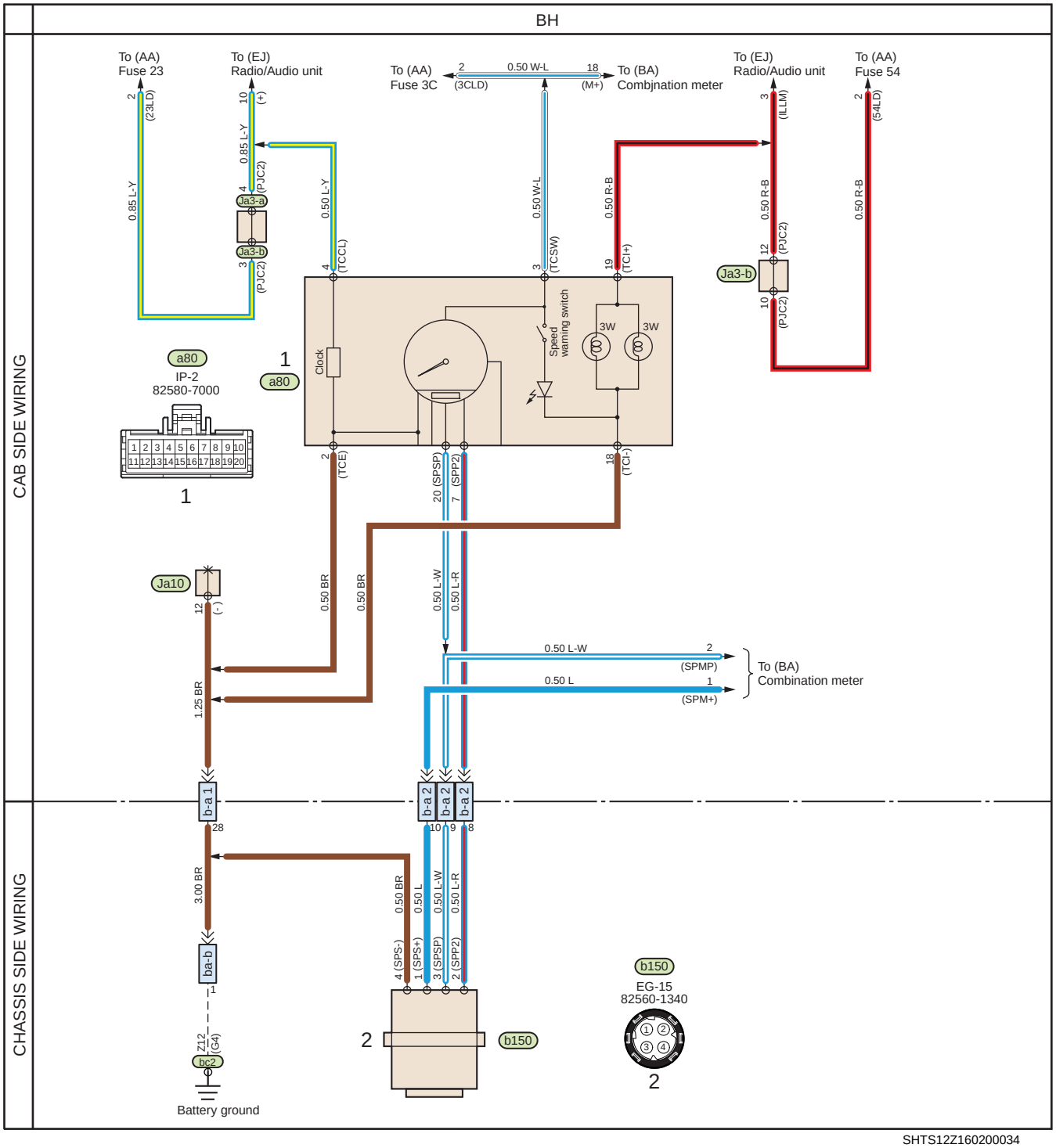



SHTS12Z160200033

**BG. TACHOGRAPH CIRCUIT**

1. Digital tachograph

https://truckmanualshub.com/

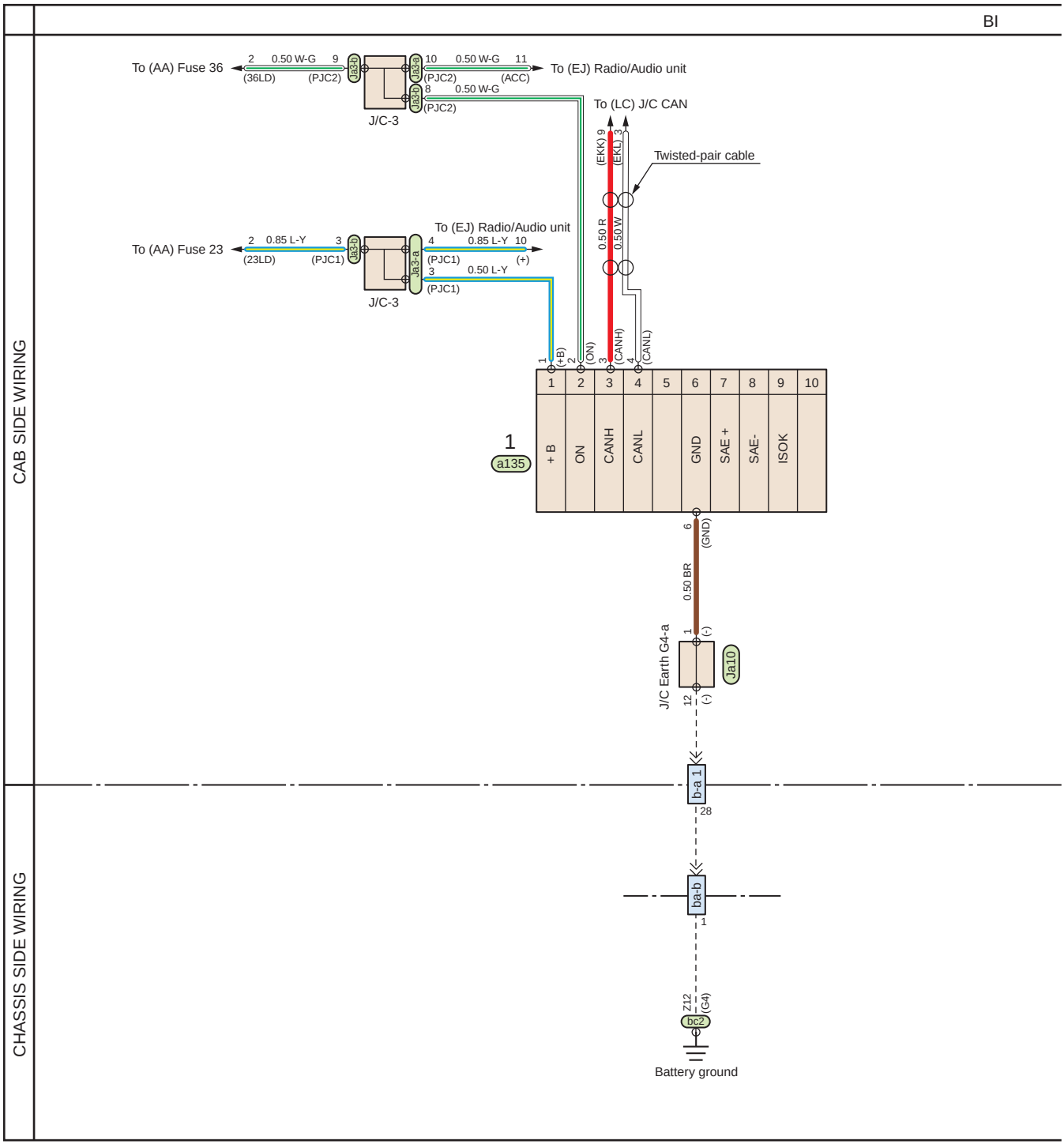



SHTS12Z160200034

**BH. KIENZLE TACHOGRAPH CIRCUIT**

1. KIENZLE tachograph
2. Speed sensor

https://truckmanualshub.com/

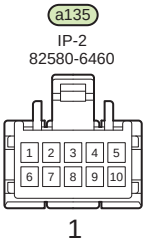



SHTS12Z160200035

**BI. DRIVE MASTER CIRCUIT**

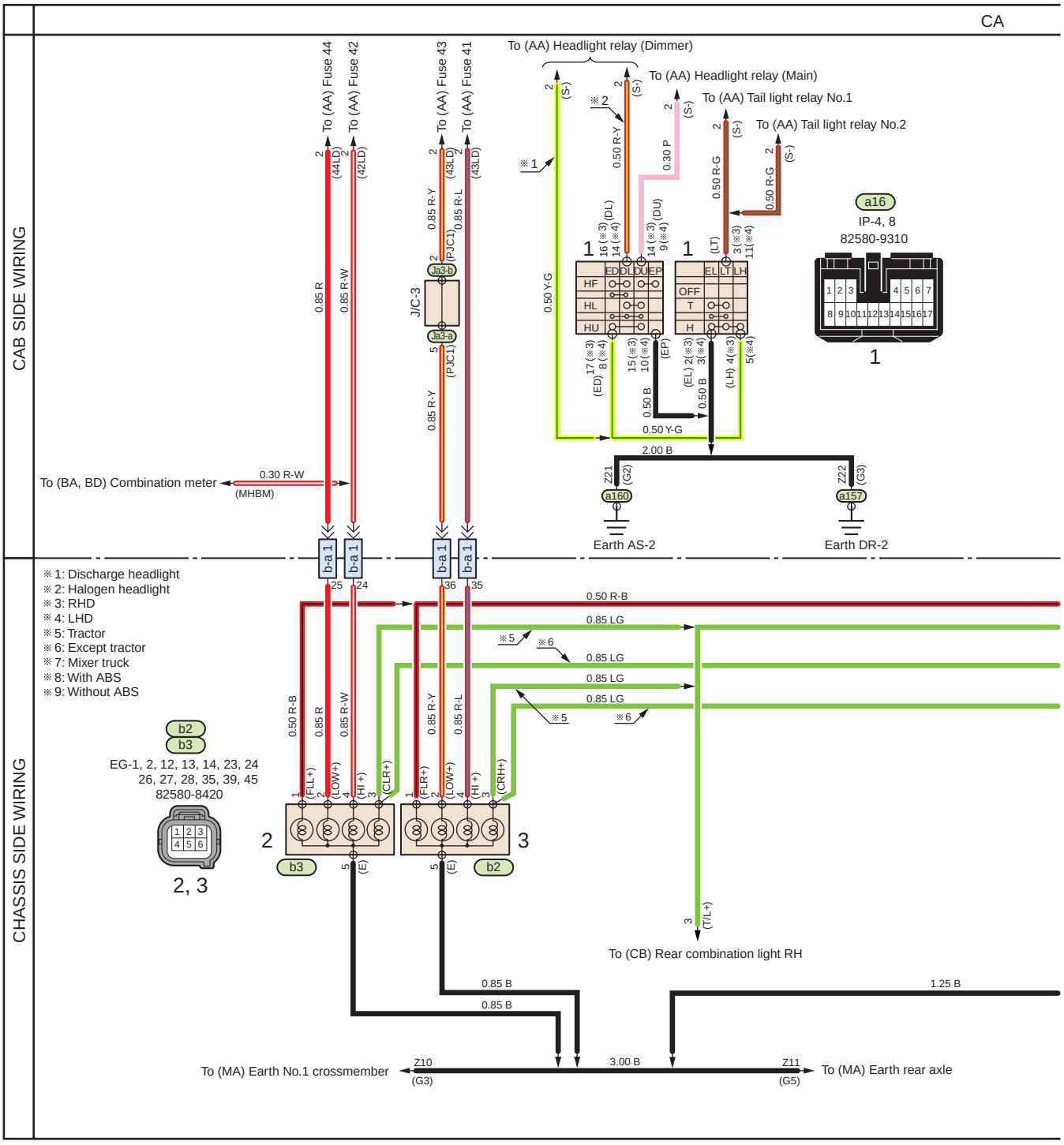
1. Drive master unit

https://truckmanualshub.com/




SHTS12Z160200036

https://truckmanualshub.com/

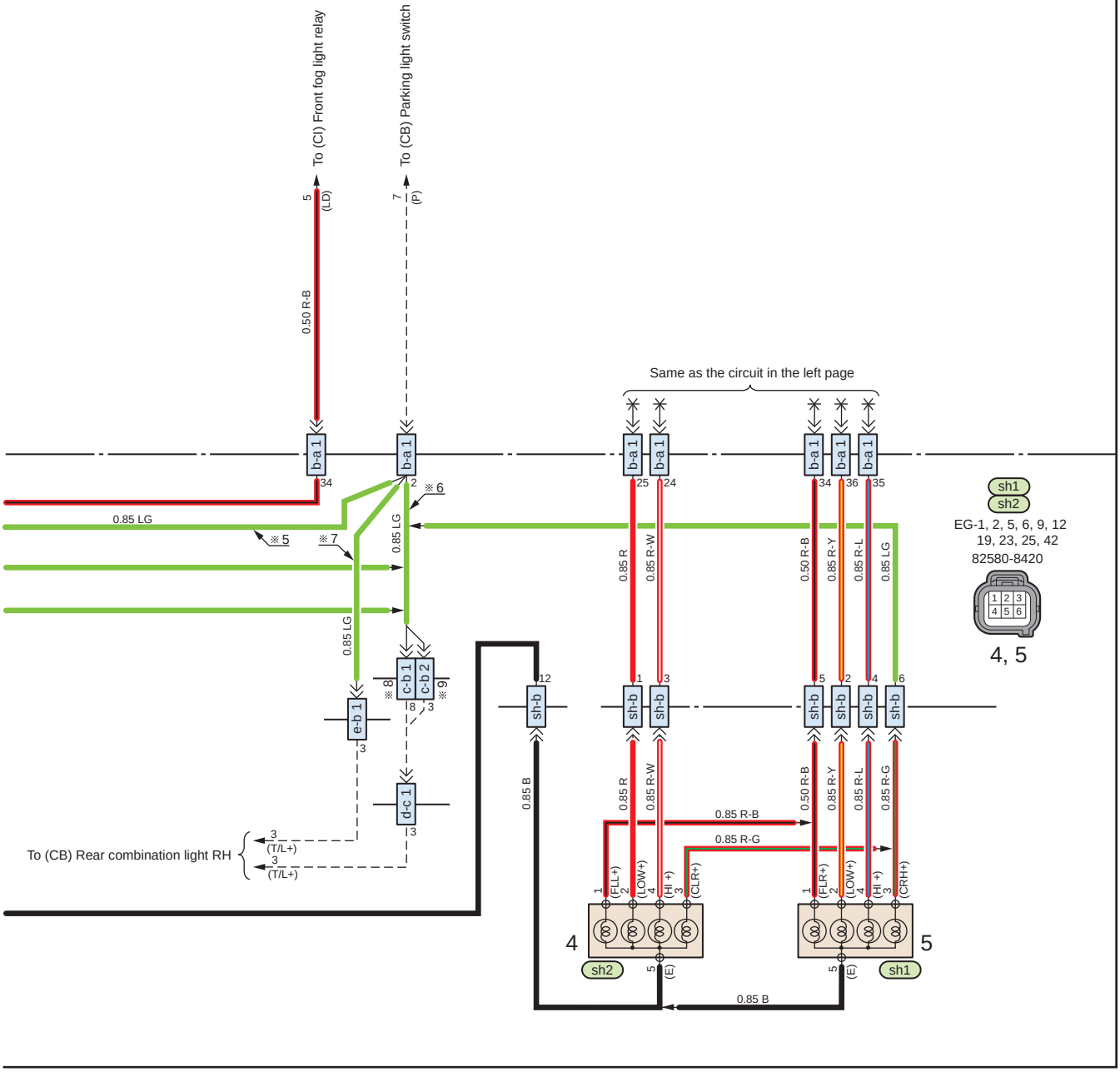



SHTS12Z160200037

**CA. HEADLIGHT CIRCUIT**

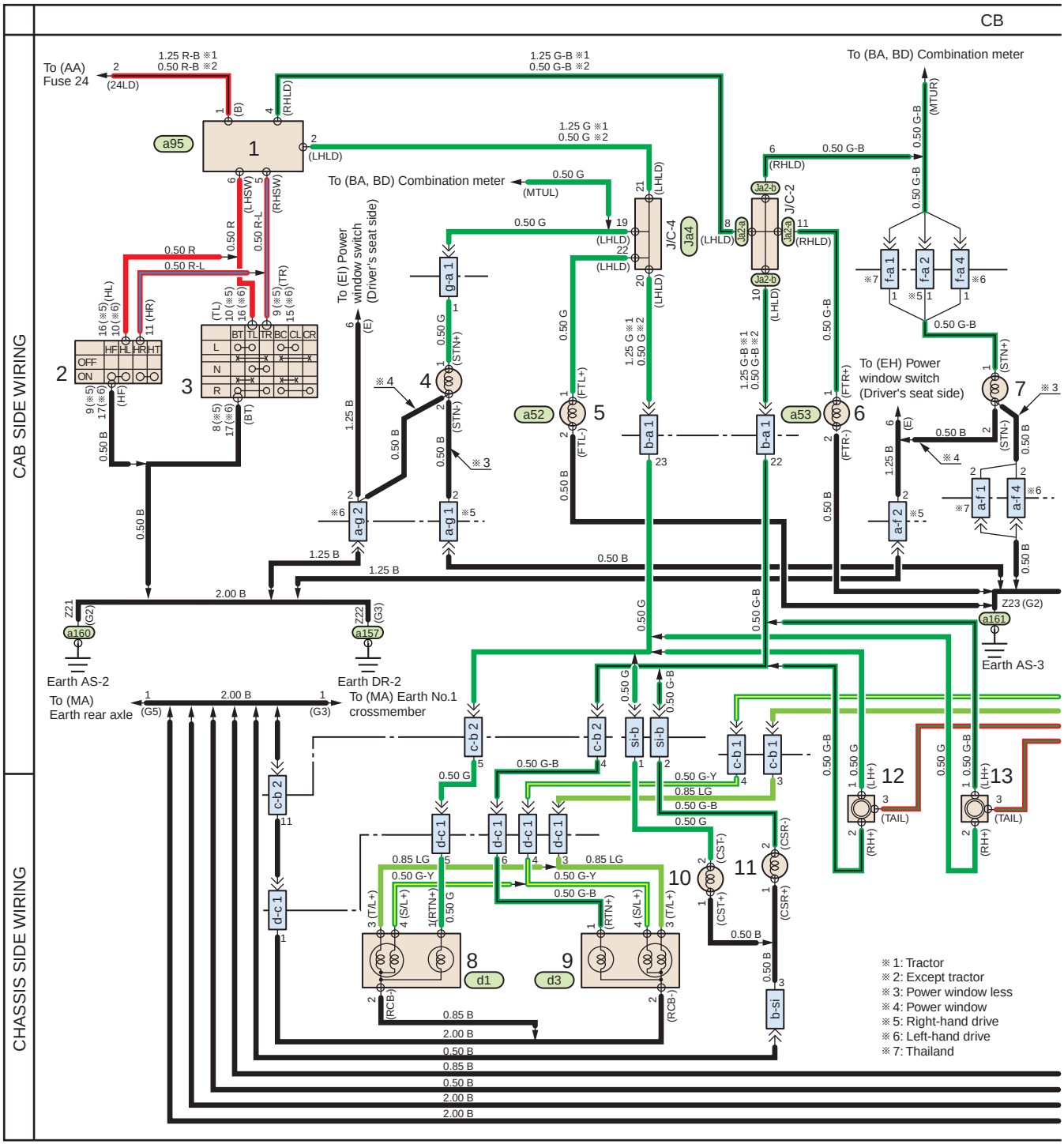
1. Light and turn switch
2. Headlight LH (Indonesia, Taiwan, Thailand)
3. Headlight RH (Indonesia, Taiwan, Thailand)
4. Headlight LH (Australia, Chile, Colombia, Ecuador, Hong Kong, Ireland, New Zealand, Philippines, Singapore, Vietnam)
5. Headlight RH (Australia, Chile, Colombia, Ecuador, Hong Kong, Ireland, New Zealand, Philippines, Singapore, Vietnam)

https://truckmanualshub.com/




SHTS12Z160200038

https://truckmanualshub.com/

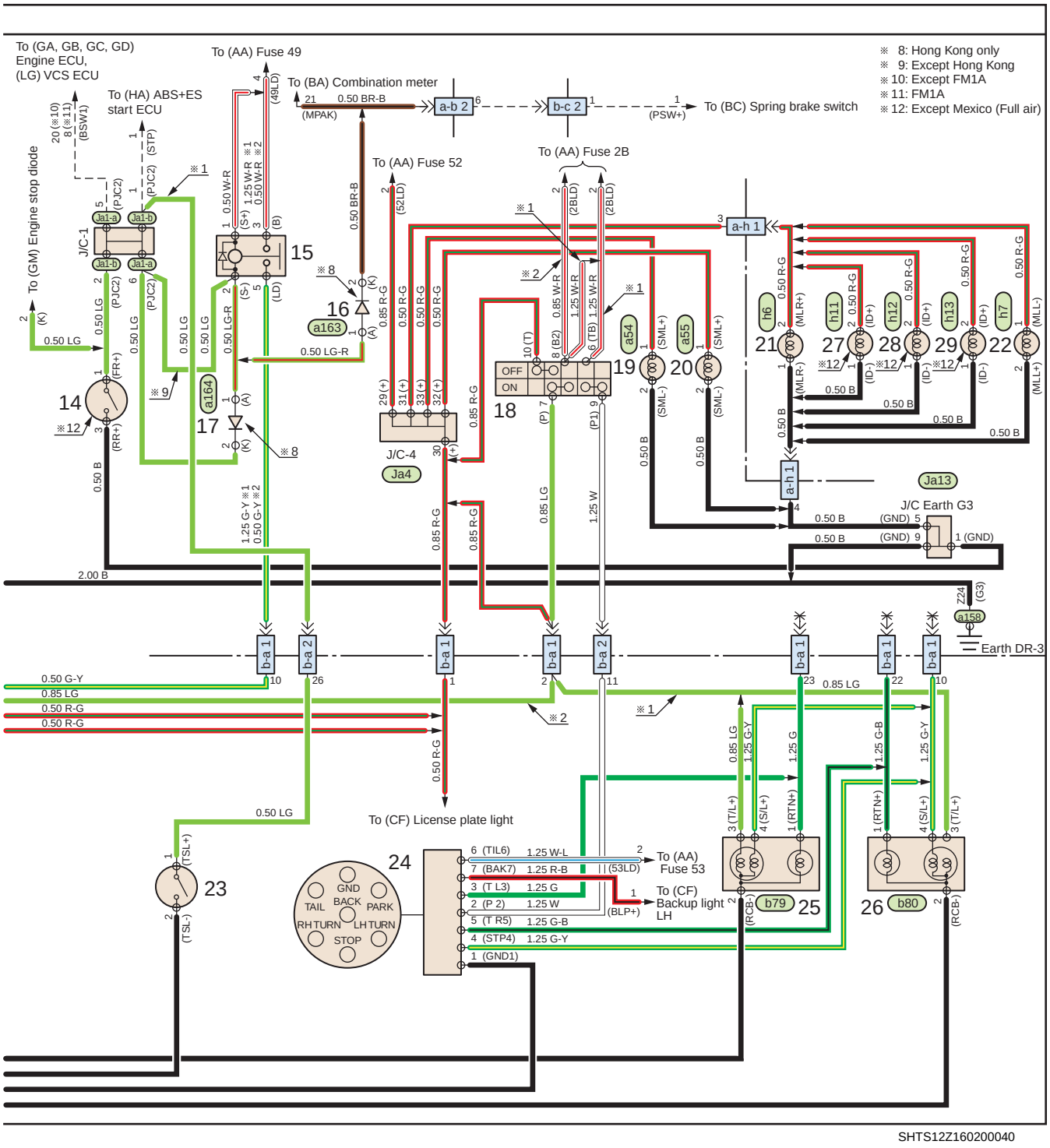



SHTS12Z160200039

**CB. TURN, STOP AND TAIL LIGHT CIRCUIT [EXCEPT MODELS FOR AUSTRALIA AND IRELAND (1 of 2)]**

1. Turn signal flasher
2. Wiper and retarder switch
3. Light and turn switch
4. Side turn signal light (Front LH)
5. Turn signal light (Front LH)
6. Turn signal light (Front RH)
7. Side turn signal light (Front RH)
8. Rear combination light LH (Except Tractor)
9. Rear combination light RH (Except Tractor)
10. Side turn signal light (Mid LH)
11. Side turn signal light (Mid RH)
12. Left turn buzzer
13. Right turn buzzer
14. Stop light switch
15. Stop light relay
16. Hong Kong diode 1
17. Hong Kong diode 2
18. Parking light switch
19. Side marker light LH
20. Side marker light RH
21. Front endout marker light LH
22. Front endout marker light RH
23. Trailer stop light switch
24. Trailer socket
25. Rear combination light LH (Tractor)
26. Rear combination light RH (Tractor)

https://truckmanualshub.com/




27. Indicator light LH
28. Indicator light center
29. Indicator light RH

https://truckmanualshub.com/

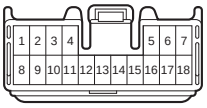
CONNECTORS FOR CIRCUIT "CB"

a95
IP-1, 6
82580-6060



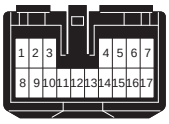

1

a18
IP-4, 8
82580-9320




2

a16
IP-4, 8
82580-9310




3

f2
g2
CA-1, 2, 3
82580-7580




4, 7

a52
a53
CA-1, 2, 3
82580-7660




5, 6

d1
d3
RR-1, 2
82580-8350




8, 9

si2
EG-4, 18
82580-7660




10

si1
EG-4, 18
82580-7660




11

b102
EG-3
82580-7140




12

SHTS12Z160200041

https://truckmanualshub.com/

b101
EG-4
82580-7140




13

a12
IP-4, 8
82560-3030




14

a163
a164
IP-4
82560-2030




16, 17

a3
IP-4, 8
82560-2900




18

a54
a55
CA-1
82560-1670




19, 20

h6
h7
CA-1, 2, 3
82580-8100




21, 22

h11
h12
h13
CA-2
82580-8100




27, 28, 29

b68
EG-31, 33, 37, 47
82560-3610




23

(FM)
b66
EG-31, 33, 37
82580-2780




24

(SG)
b67
EG-46
82580-6040




24

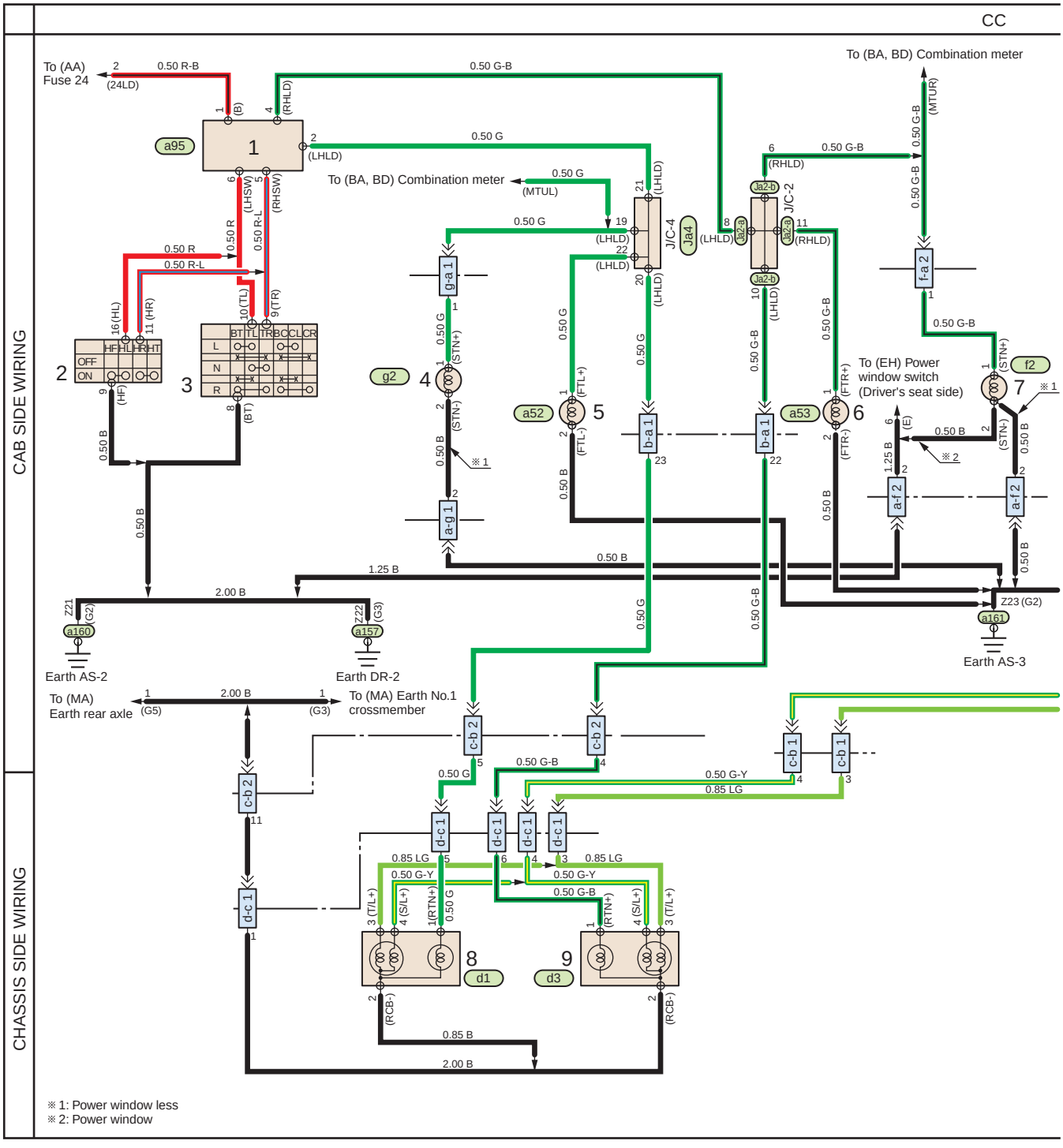
b79
b80
RR-3, 4
82580-8350




25, 26

SHTS12Z160200042

https://truckmanualshub.com/

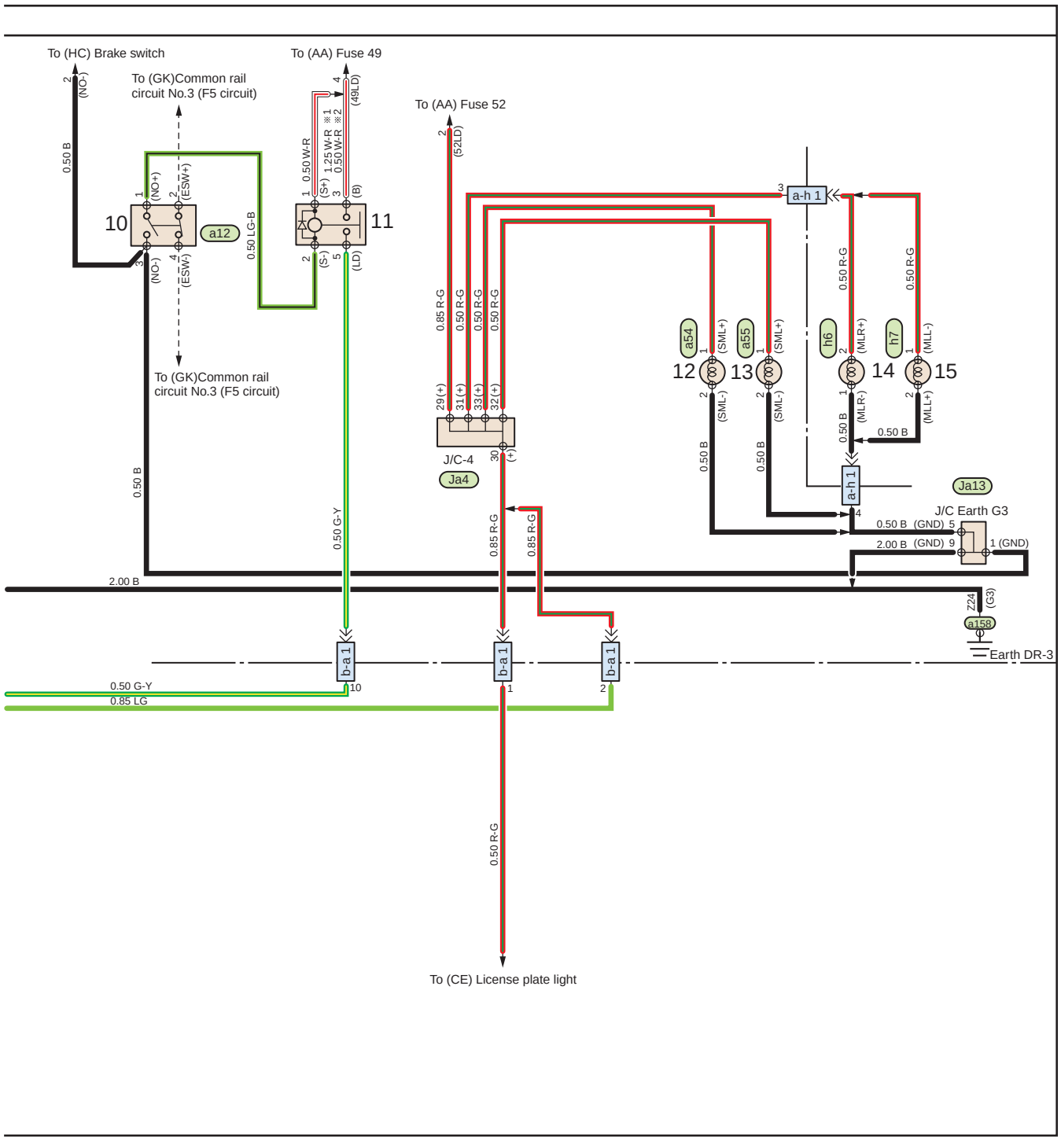



SHTS12Z160200043

## CC. TURN, STOP AND TAIL LIGHT CIRCUIT [MODELS FOR IRELAND]

1. Turn signal flasher
2. Wiper and retarder switch
3. Light and turn switch
4. Side turn signal light (Front LH)
5. Turn signal light (Front LH)
6. Turn signal light (Front RH)
7. Side turn signal light (Front RH)
8. Rear combination light LH
9. Rear combination light RH
10. Stop light switch
11. Stop light relay
12. Side marker light LH
13. Side marker light RH
14. Front endout marker light LH
15. Front endout marker light RH

https://truckmanualshub.com/




SHTS12Z160200044

https://truckmanualshub.com/

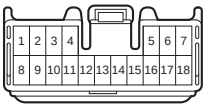
CONNECTORS FOR CIRCUIT "CC"

a95
IP-1
82580-6060



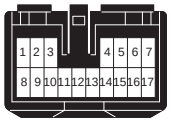

1

a18
IP-4
82580-9320




2

a16
IP-4
82580-9310




3

f2
g2
CA-1
82580-7580




4, 7

a52
a53
CA-1
82580-7660




5, 6

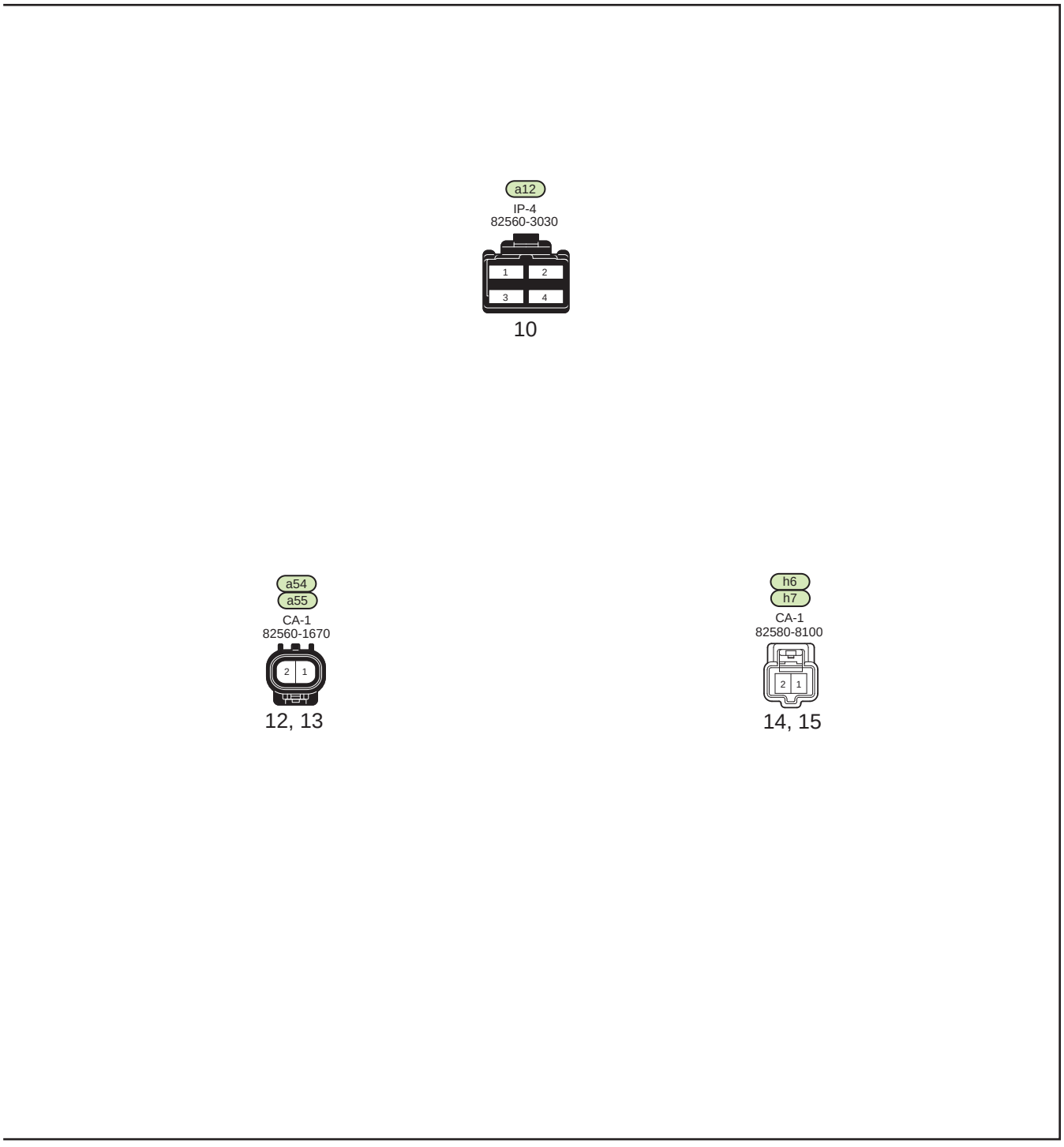
d1
d3
RR-1
82580-8350




8, 9

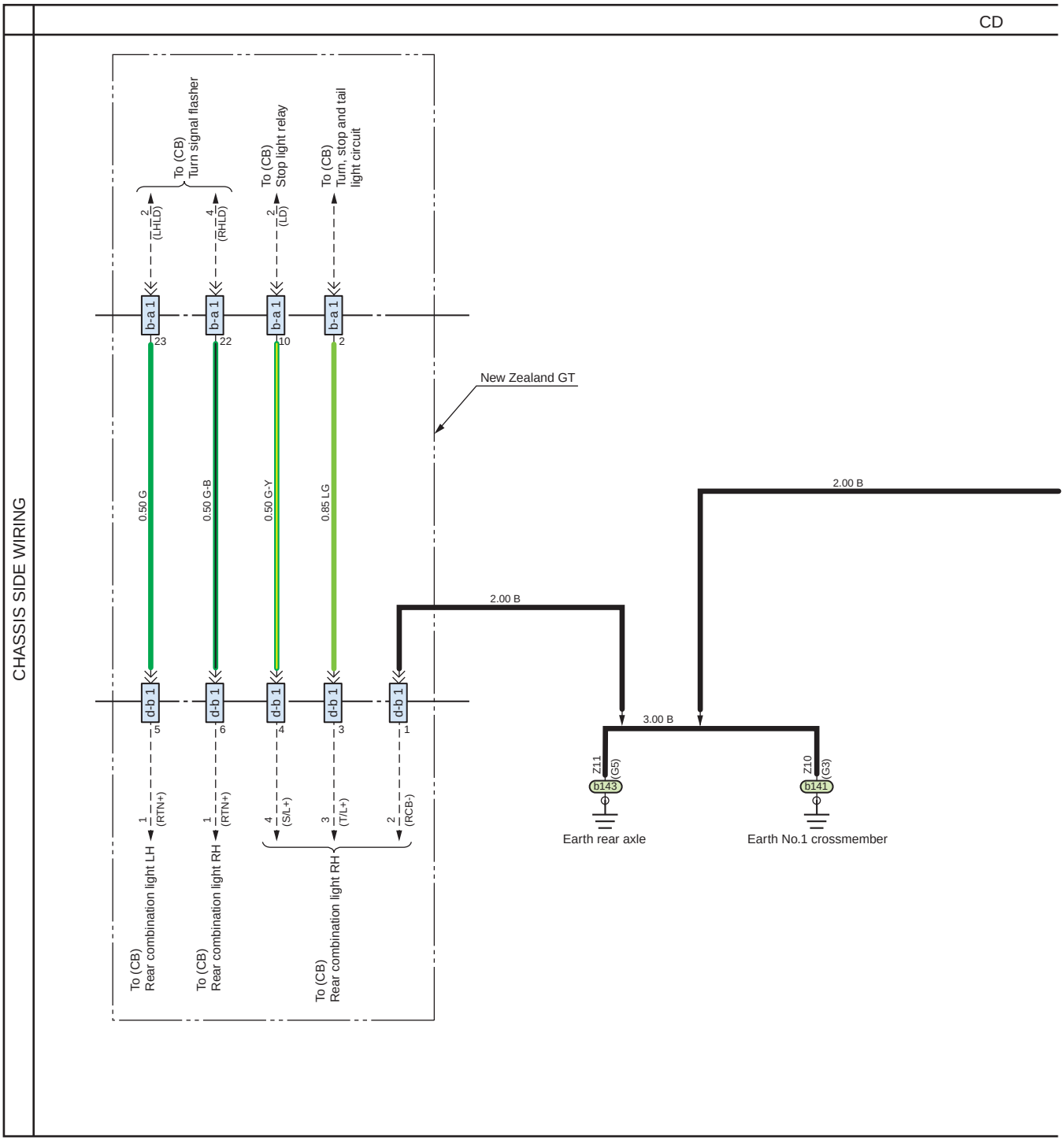
SHTS12Z160200045

https://truckmanualshub.com/




SHTS12Z160200046

https://truckmanualshub.com/

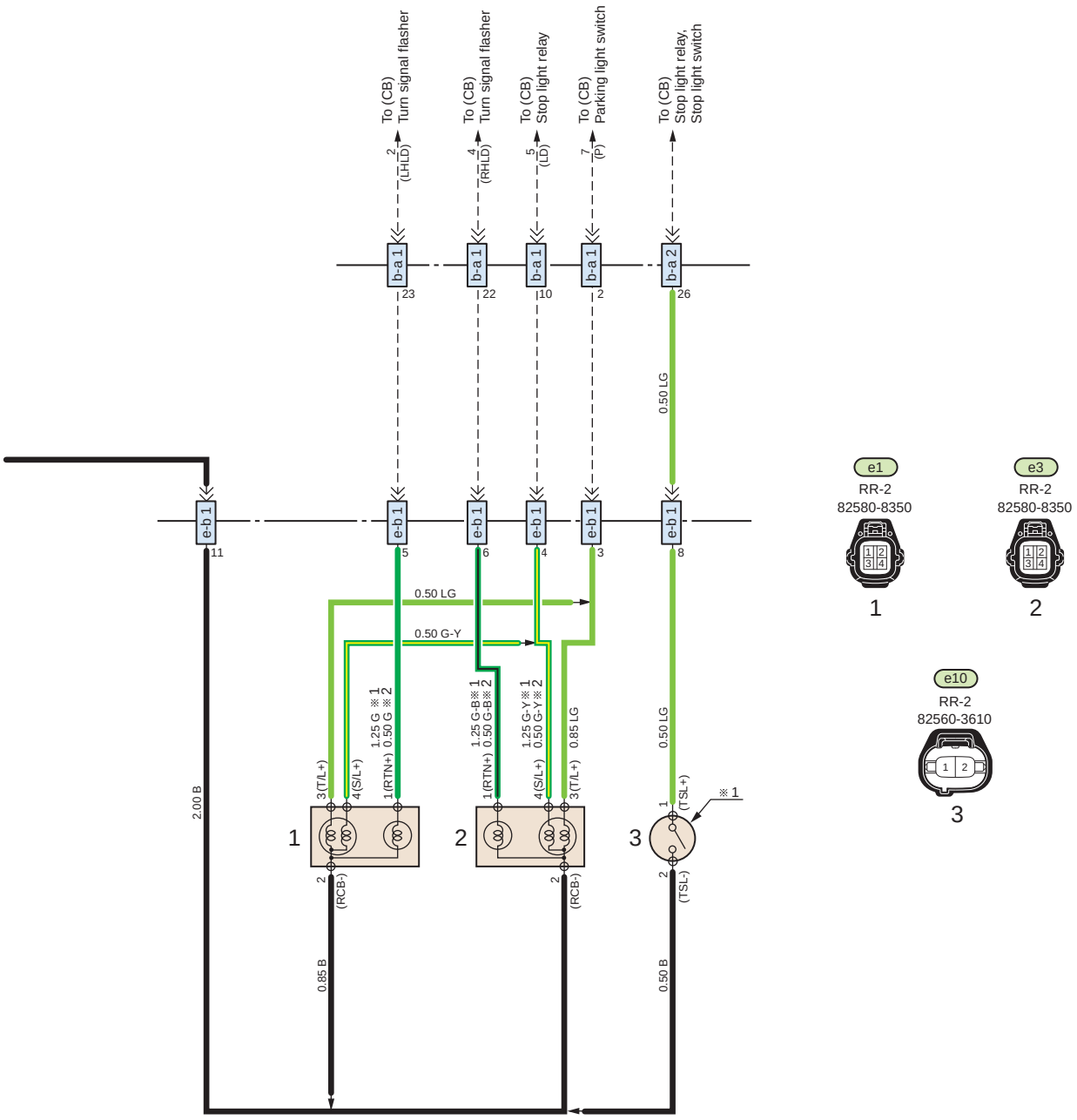



**CD. TURN, STOP AND TAIL LIGHT CIRCUIT [EXCEPT MODELS FOR AUSTRALIA AND IRELAND (2 of 2)]**

1. Rear combination light LH
2. Rear combination light RH
3. Trailer stop light switch

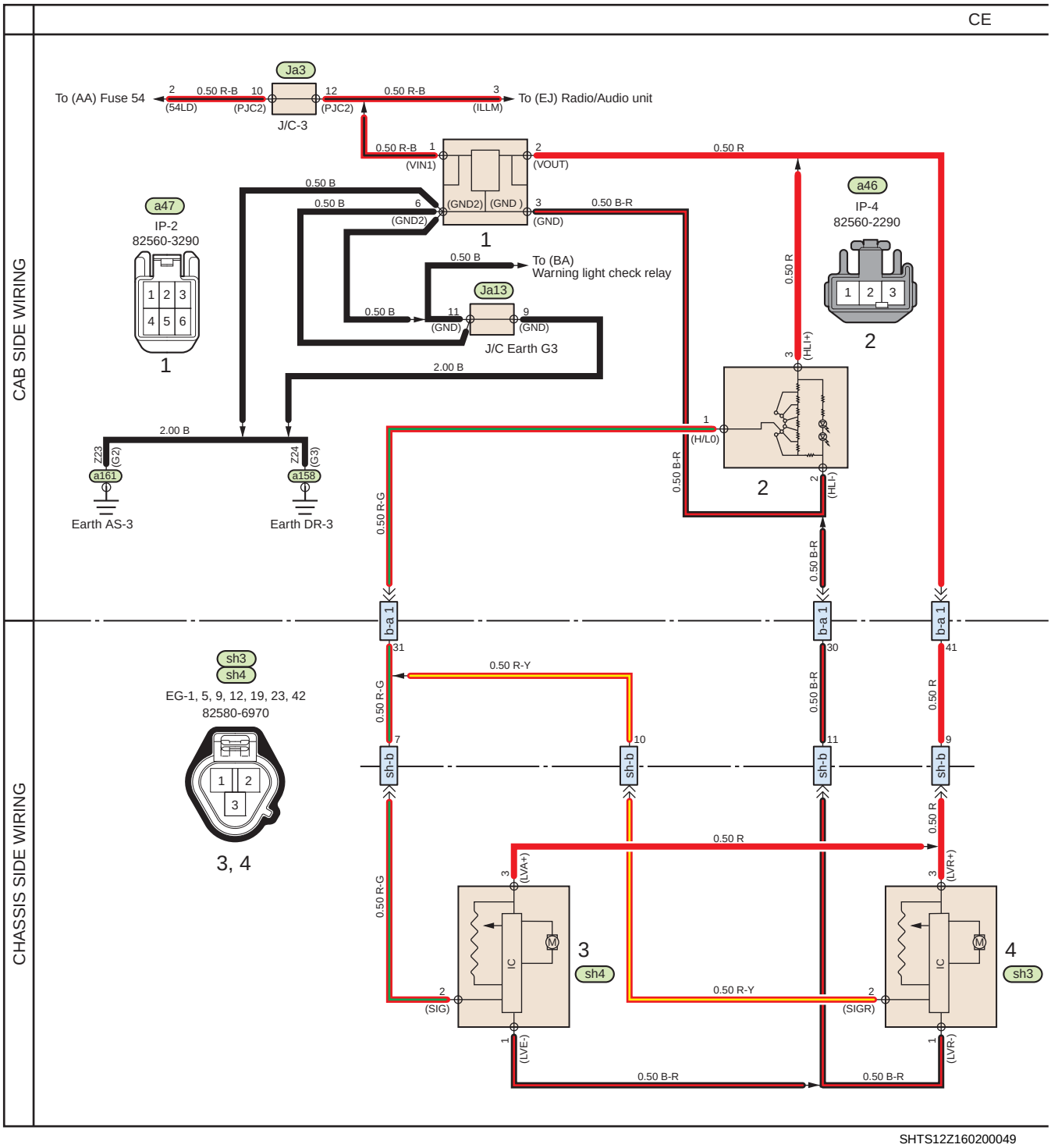
https://truckmanualshub.com/

※1: FM mixer truck (New Zealand)
※2: FM mixer truck (Indonesia, Thailand)




SHTS12Z160200048

https://truckmanualshub.com/

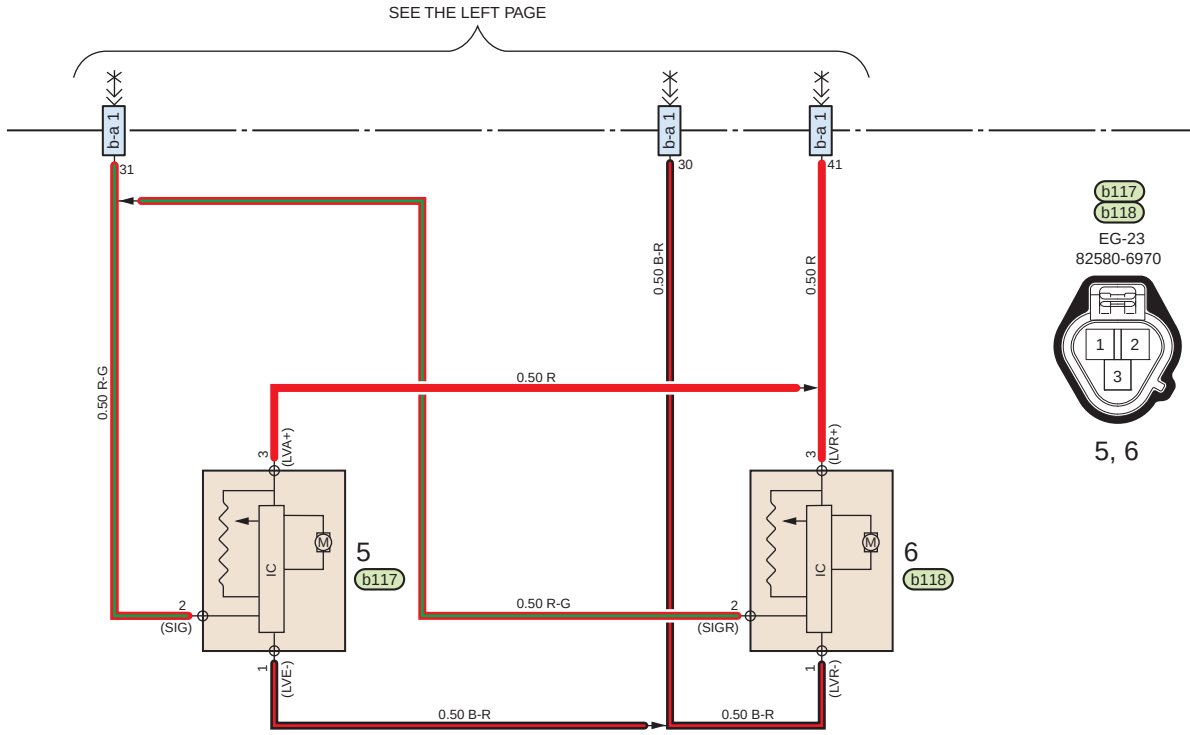



SHTS12Z160200049

**CE. HEADLIGHT BEAM CONTROL CIRCUIT**

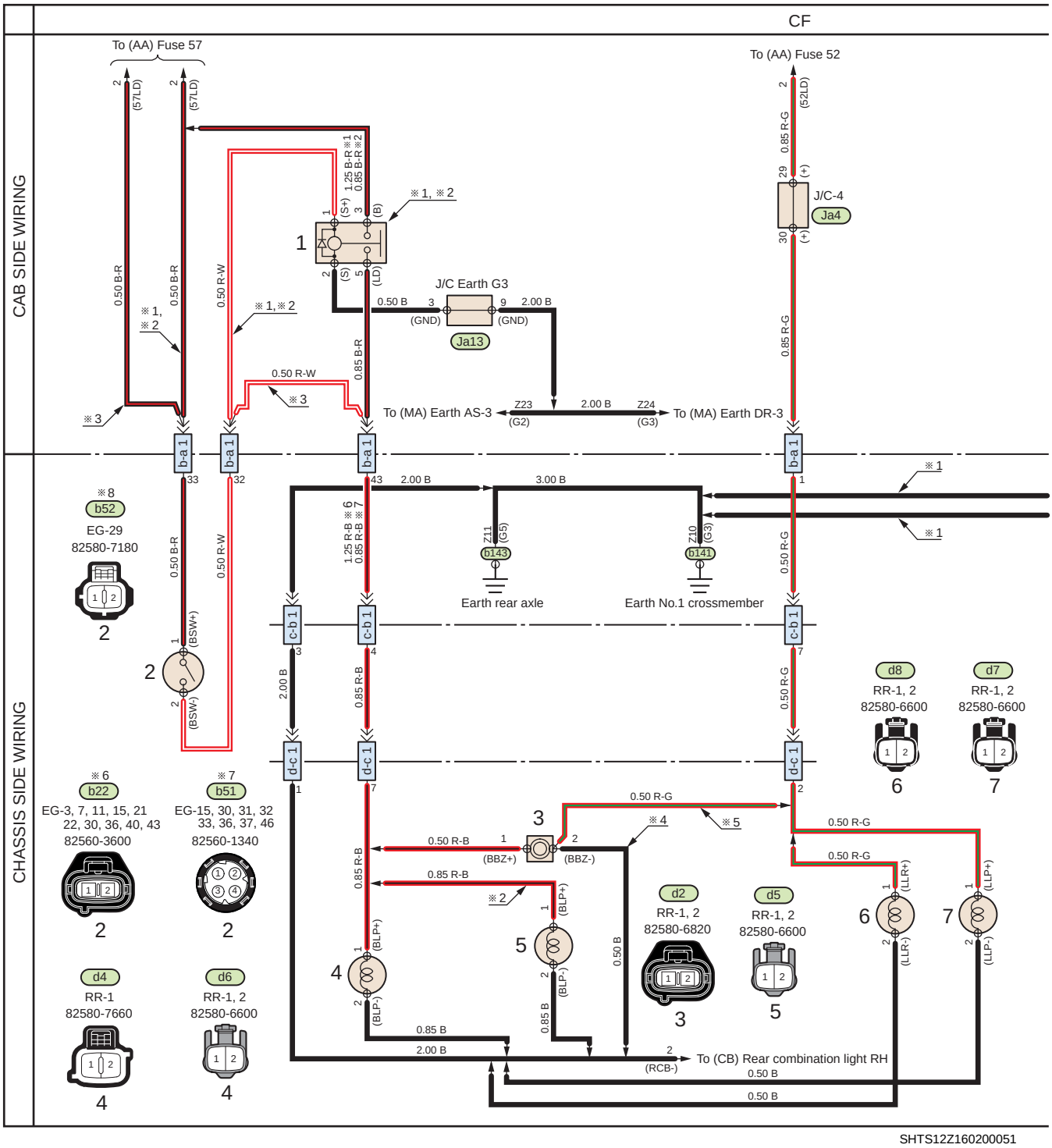
1. DC/DC converter
2. Headlight beam control switch
3. Headlight beam control actuator LH (On headlight W/H)
4. Headlight beam control actuator RH (On headlight W/H)
5. Headlight beam control actuator LH (On front W/H)
6. Headlight beam control actuator RH (On front W/H)

https://truckmanualshub.com/




SHTS12Z160200050

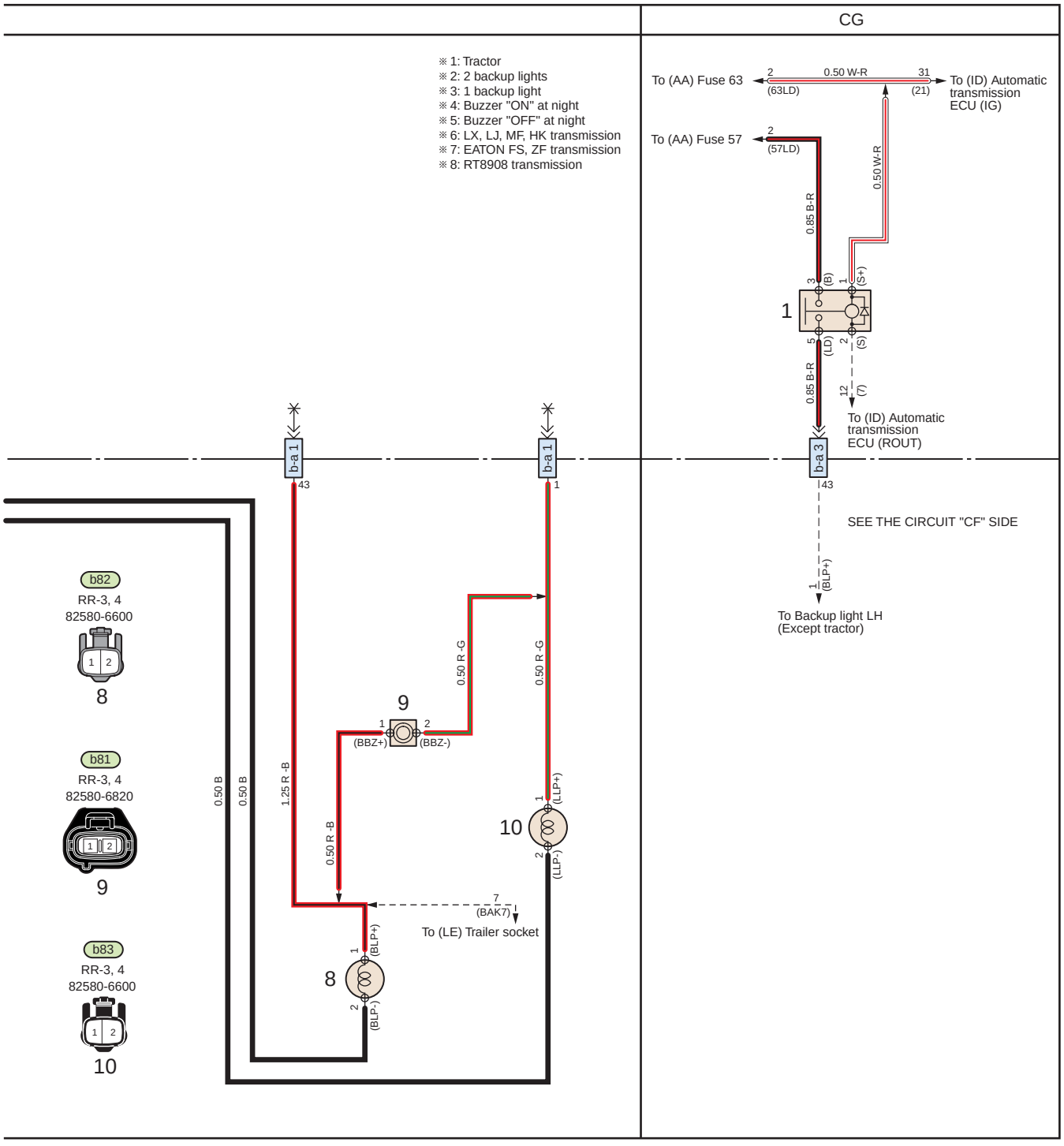
https://truckmanualshub.com/




**CF. BACKUP LIGHT CIRCUIT [MODELS WITH MANUAL TRANSMISSION (1 of 2)]**

1. Backup light relay
2. Backup light switch
3. Back buzzer (Except tractor)
4. Backup light 1 (Except tractor)
5. Backup light 2
6. License plate light 2
7. License plate light 1 (Except tractor)
8. Backup light (Tractor)
9. Back buzzer (Tractor)
10. License plate light 1(Tractor)

https://truckmanualshub.com/



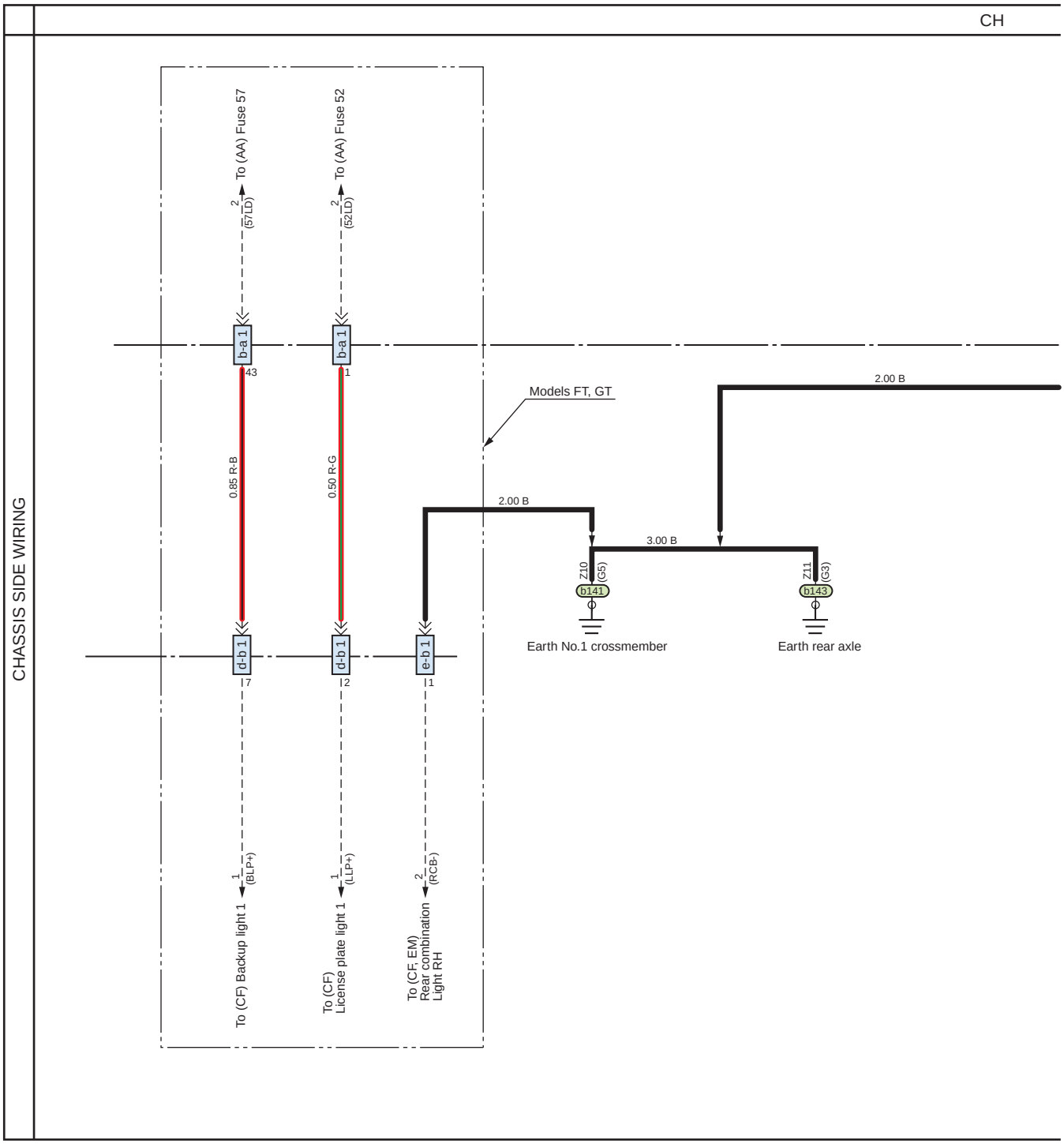

SHTS12Z160200052

.

**CG. BACKUP LIGHT CIRCUIT [MODELS WITH AUTOMATIC TRANSMISSION (1 of 2)]**

1. Automatic transmission backup light relay

https://truckmanualshub.com/



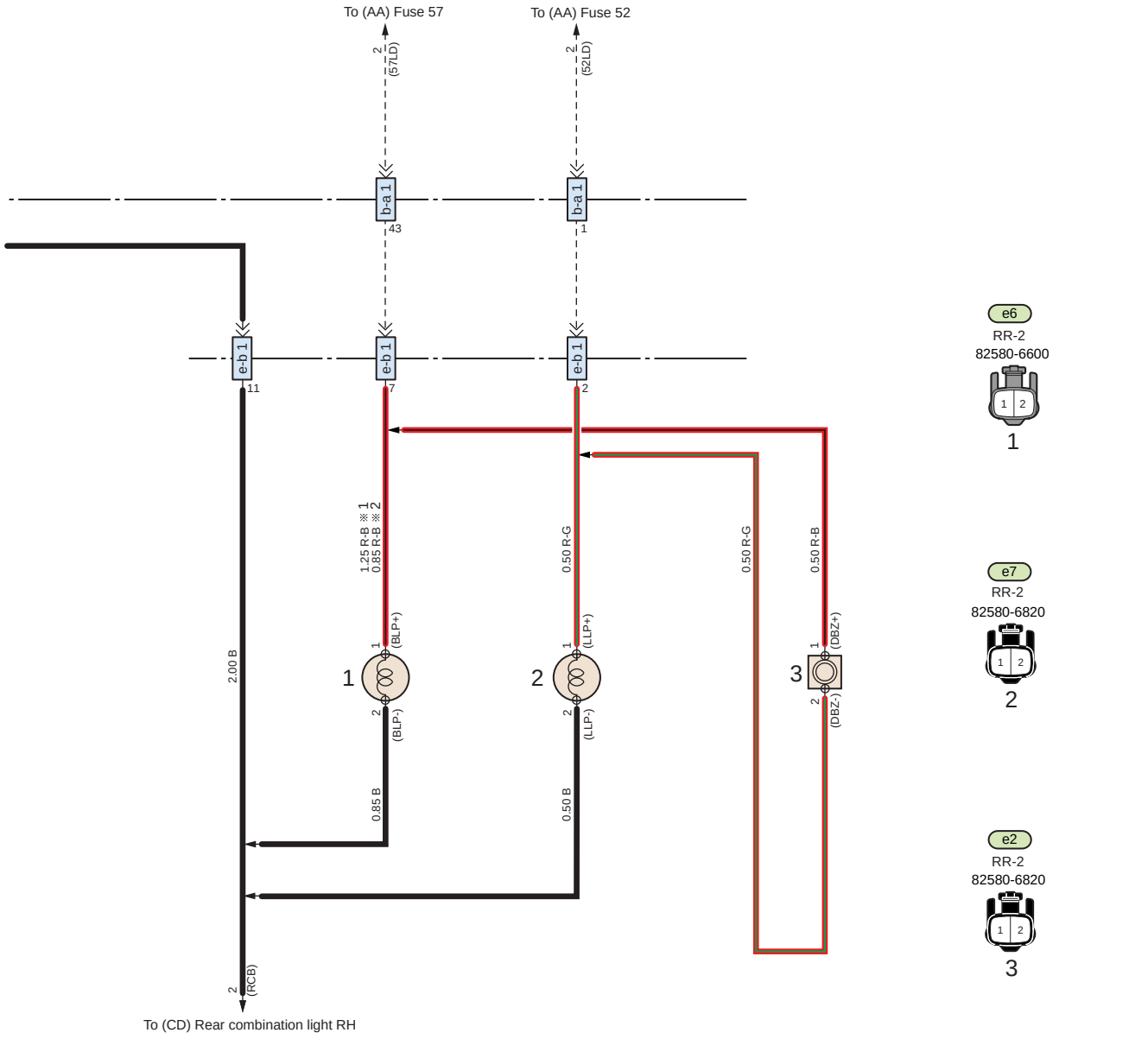

SHTS12Z160200053

**CH. BACKUP LIGHT CIRCUIT (2 of 2)**

1. Backup light
2. License plate light
3. Back buzzer

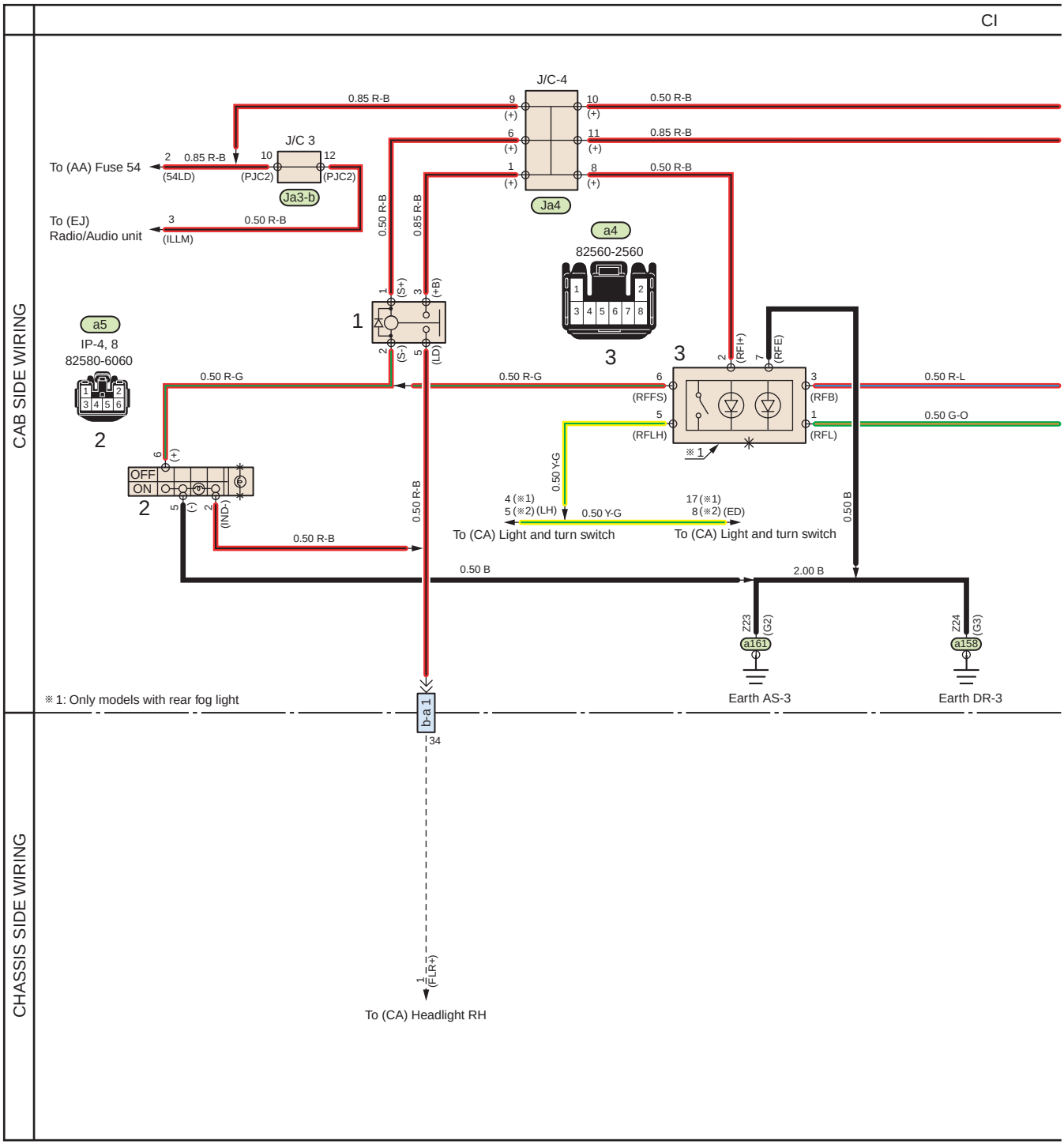
https://truckmanualshub.com/

※1: FM mixer truck (New Zealand)
※2: FM mixer truck (Indonesia, Thailand)




SHTS12Z160200054

https://truckmanualshub.com/

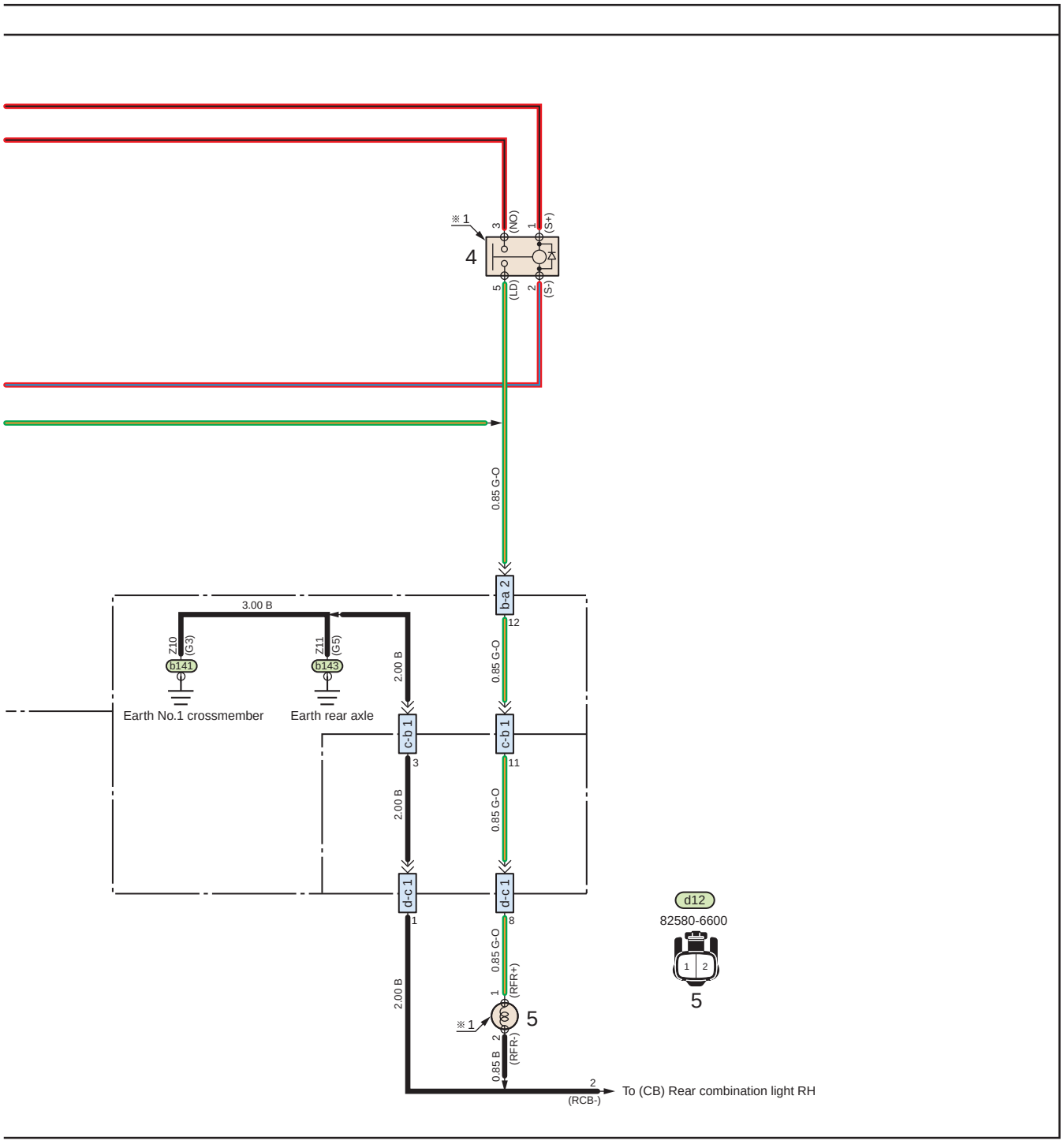



SHTS12Z160200055

**CI. FOG LIGHT CIRCUIT**

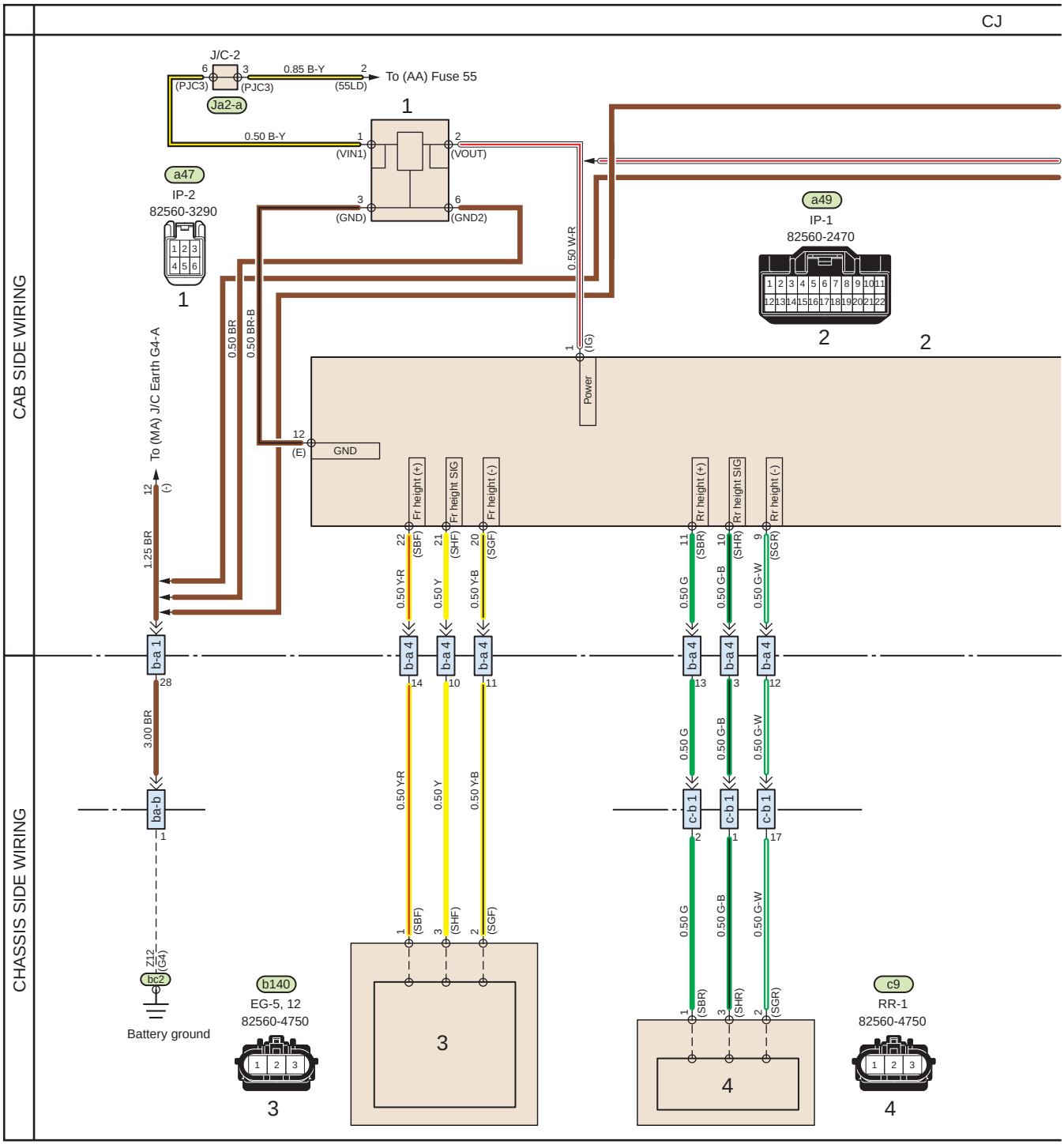
1. Front fog light relay
2. Front fog light switch
3. Rear fog light switch
4. Rear fog light relay
5. Rear fog light

https://truckmanualshub.com/




SHTS12Z160200056

https://truckmanualshub.com/

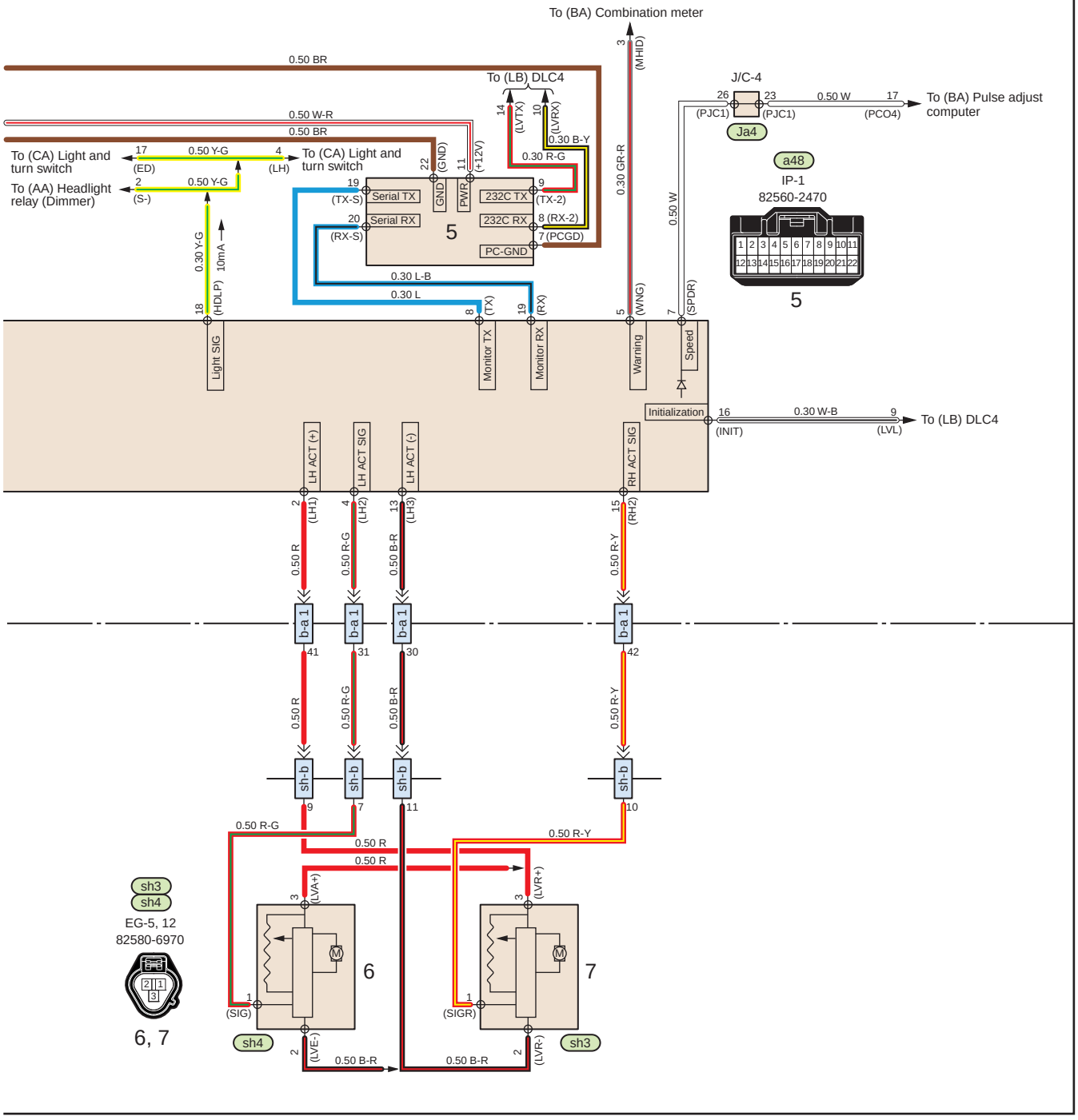



SHTS12Z160200057

**CJ. HEADLIGHT AUTOLEVELING CIRCUIT**

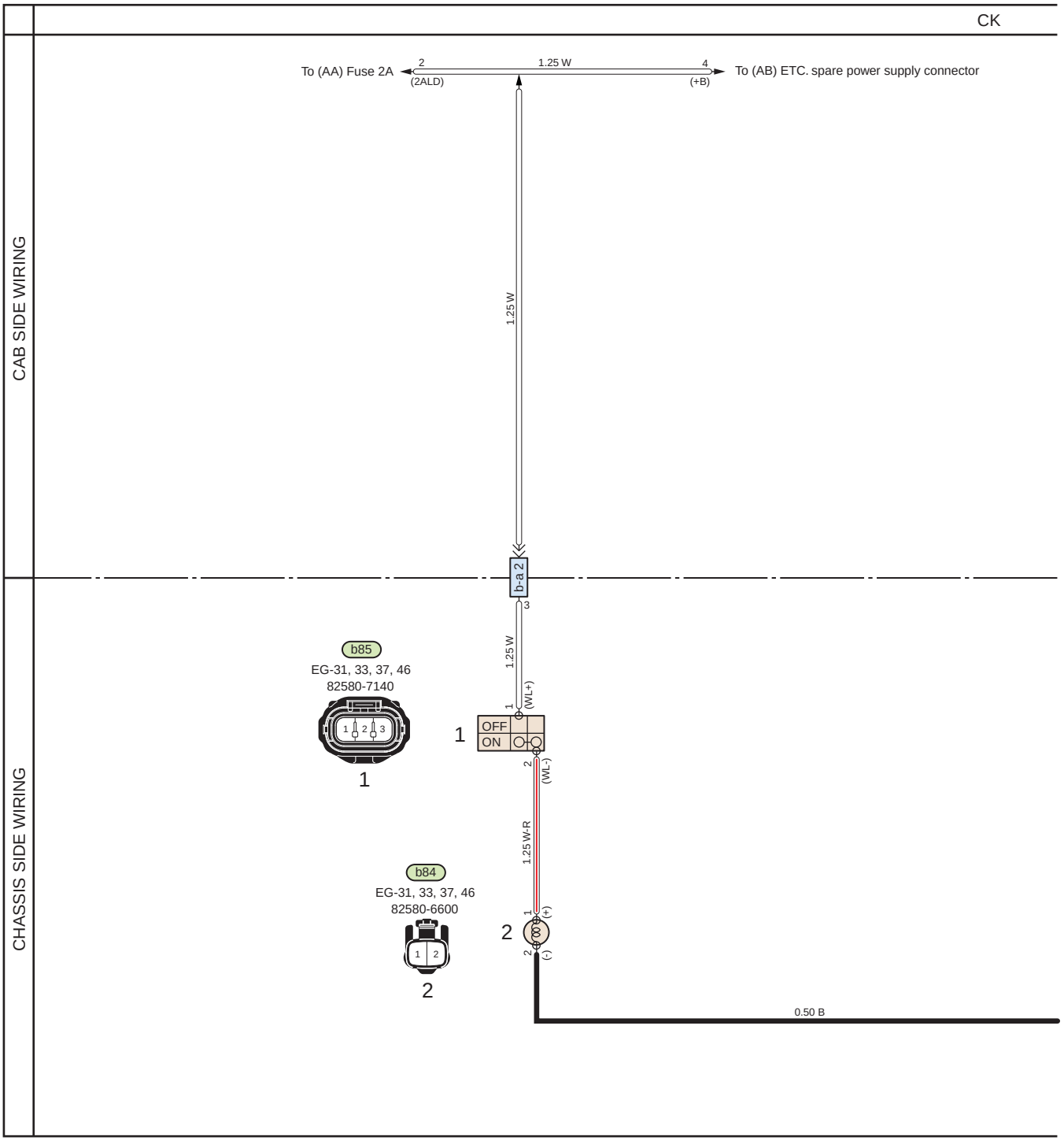
1. DC/DC converter (Leveling)
2. Autoleveling ECU
3. Vehicle height sensor (Front)
4. Vehicle height sensor (Rear)
5. Interface ECU
6. Headlight beam control actuator LH
7. Headlight beam control actuator RH

https://truckmanualshub.com/




SHTS12Z160200058

https://truckmanualshub.com/

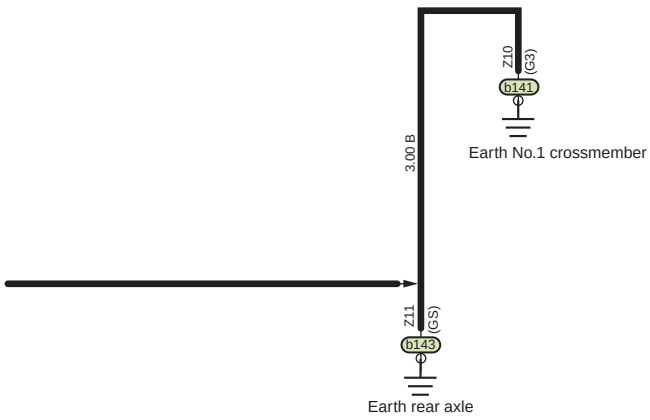



SHTS12Z160200059

**CK. WORKING LIGHT CIRCUIT**

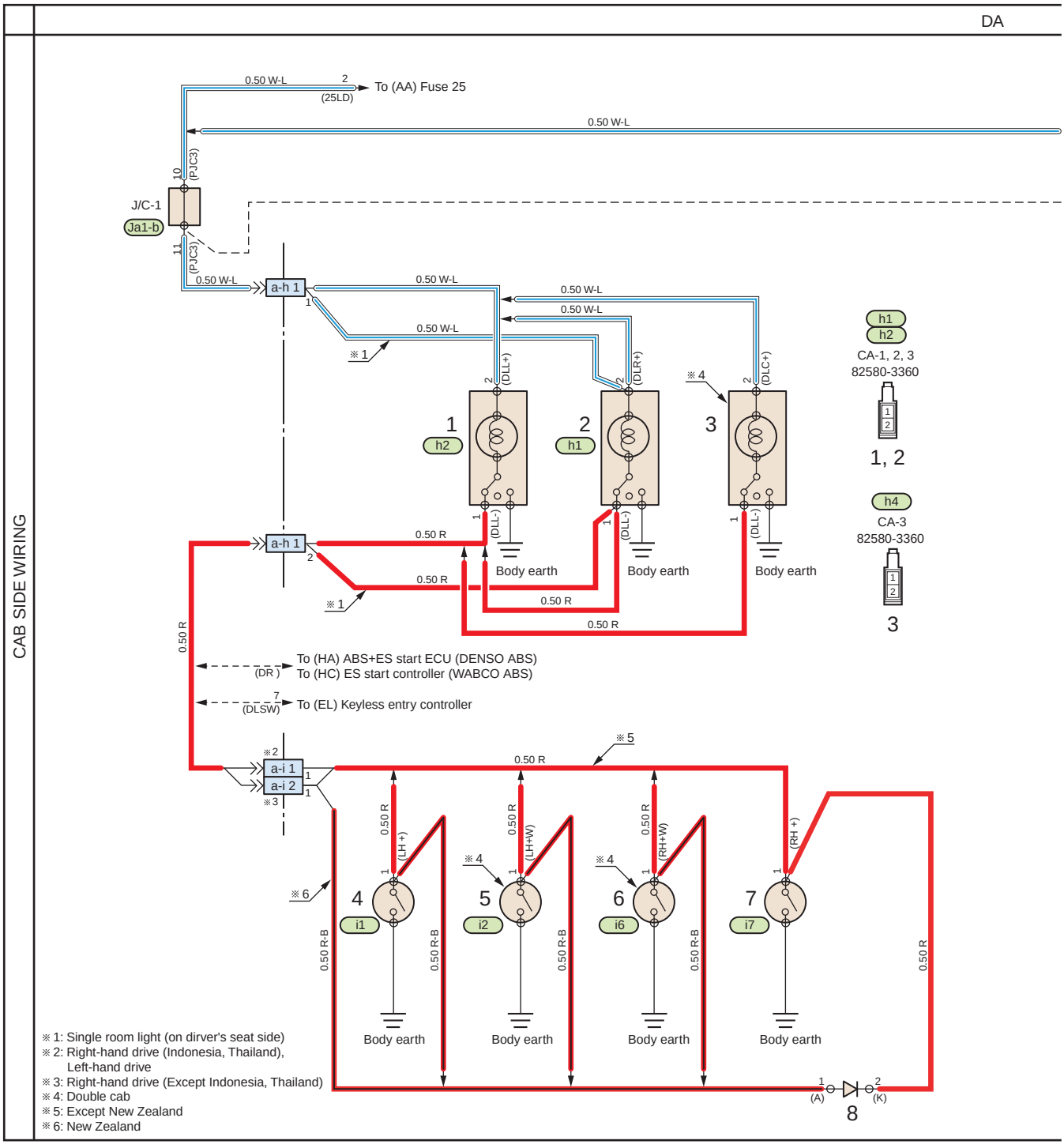
1. Spot light switch
2. Spot light

https://truckmanualshub.com/




SHTS12Z160200060

https://truckmanualshub.com/



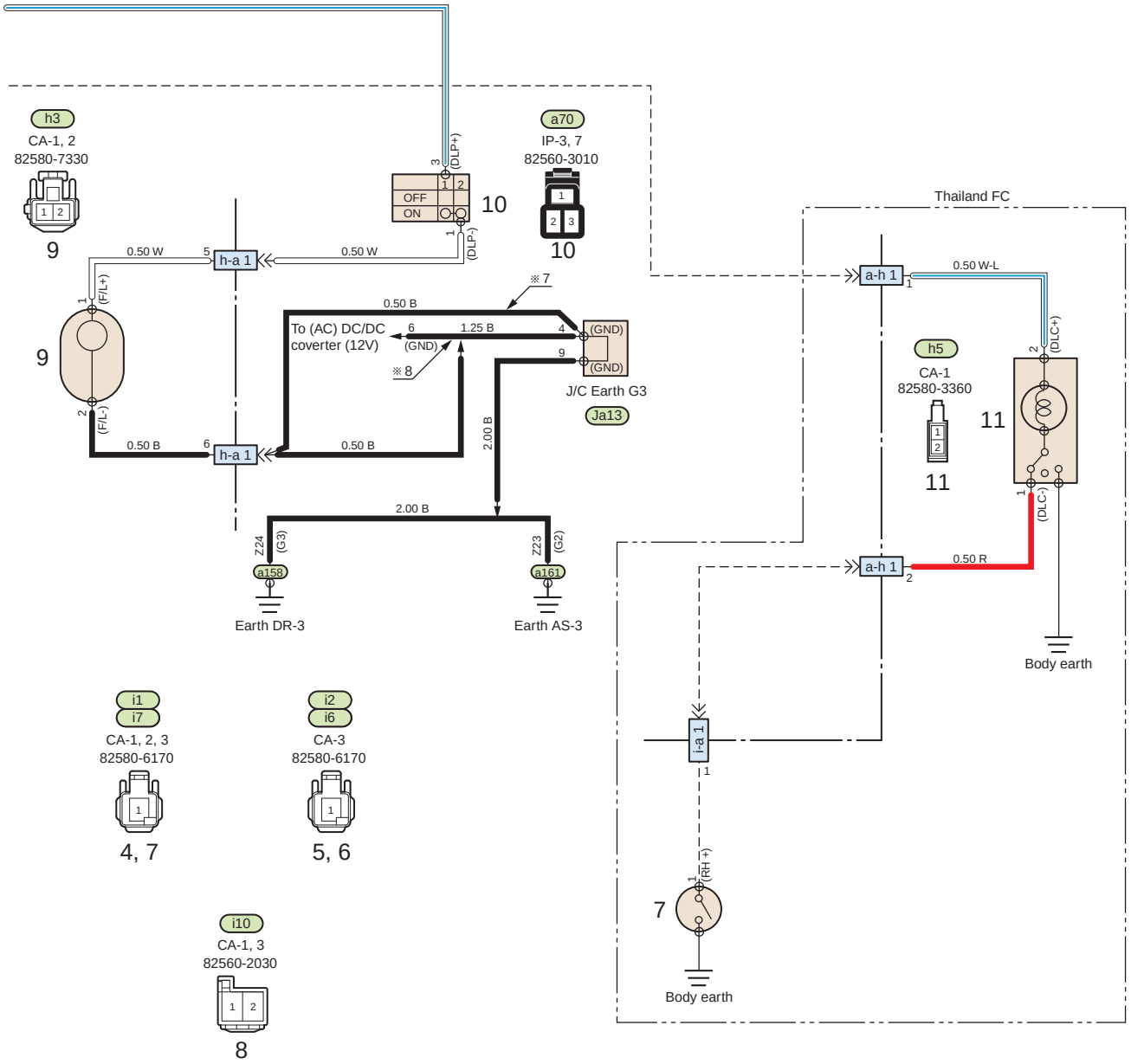

SHTS12Z160200061

**DA. ROOM LIGHT CIRCUIT**

1. Dome light (Front LH)
2. Dome light (Front RH)
3. Dome light (Rear)
4. Courtesy switch (Front LH)
5. Courtesy switch (Rear LH)
6. Courtesy switch (Rear RH)
7. Courtesy switch (Front RH)
8. Dome light diode
9. Fluorescent light
10. Fluorescent light switch
11. Dome light (Center)

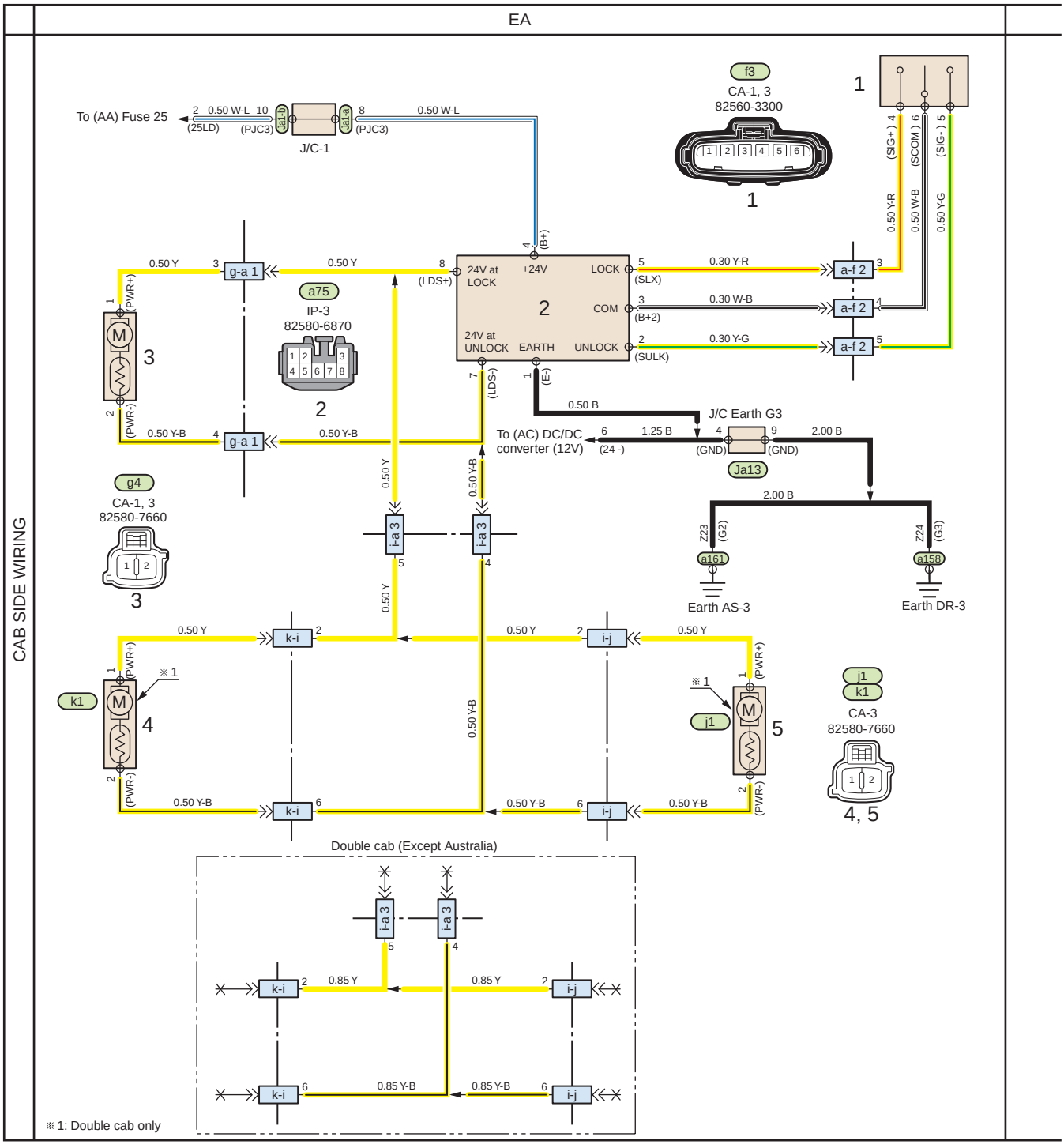
https://truckmanualshub.com/

※7: With DC/DC converter (12V)
※8: Without DC/DC converter (12V)




SHTS12Z160200062

https://truckmanualshub.com/



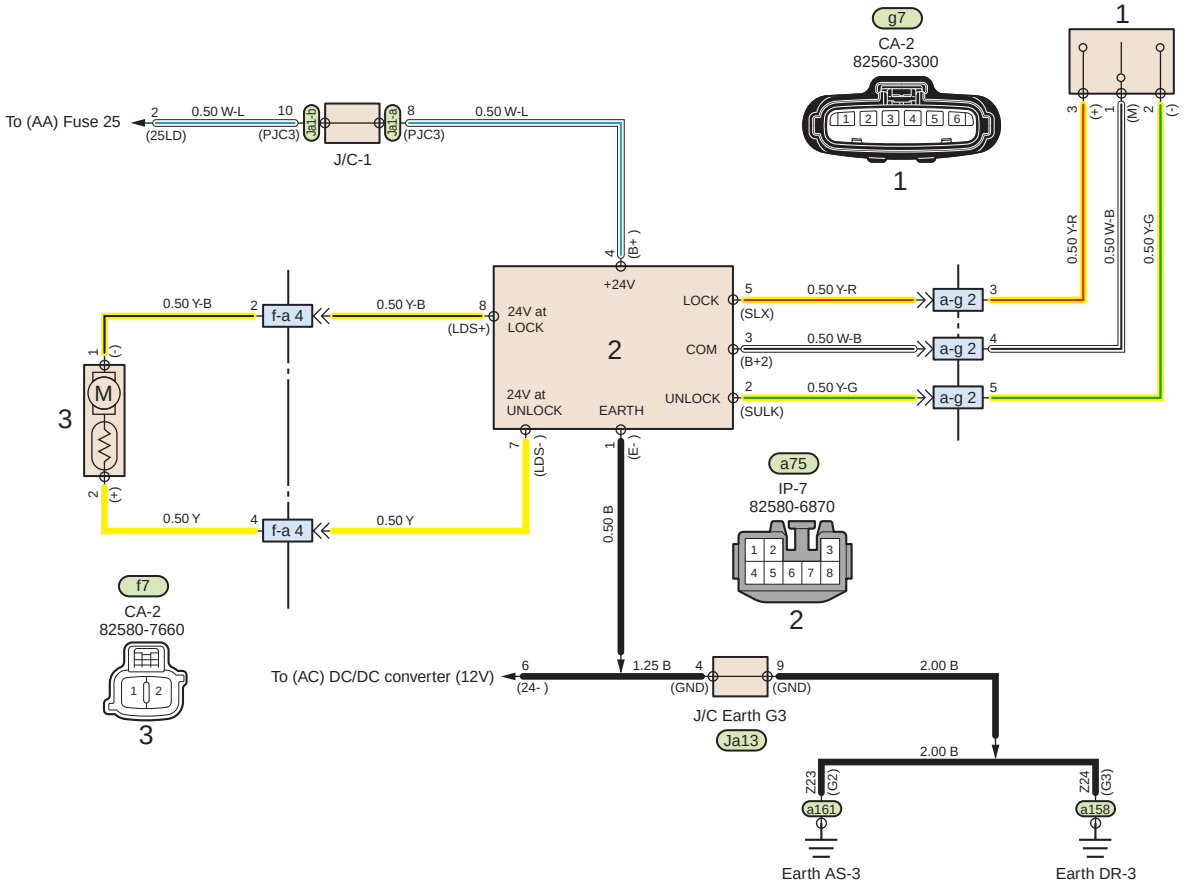

SHTS12Z160200063

**EA. POWER DOOR LOCK CIRCUIT (MODELS FOR RIGHT-HAND DRIVE)**

1. Power door lock switch (Driver's seat side)
2. Power door lock controller
3. Power door lock actuator (Passenger's seat side)
4. Power door lock actuator (Rear LH)
5. Power door lock actuator (Rear RH)

https://truckmanualshub.com/

EB

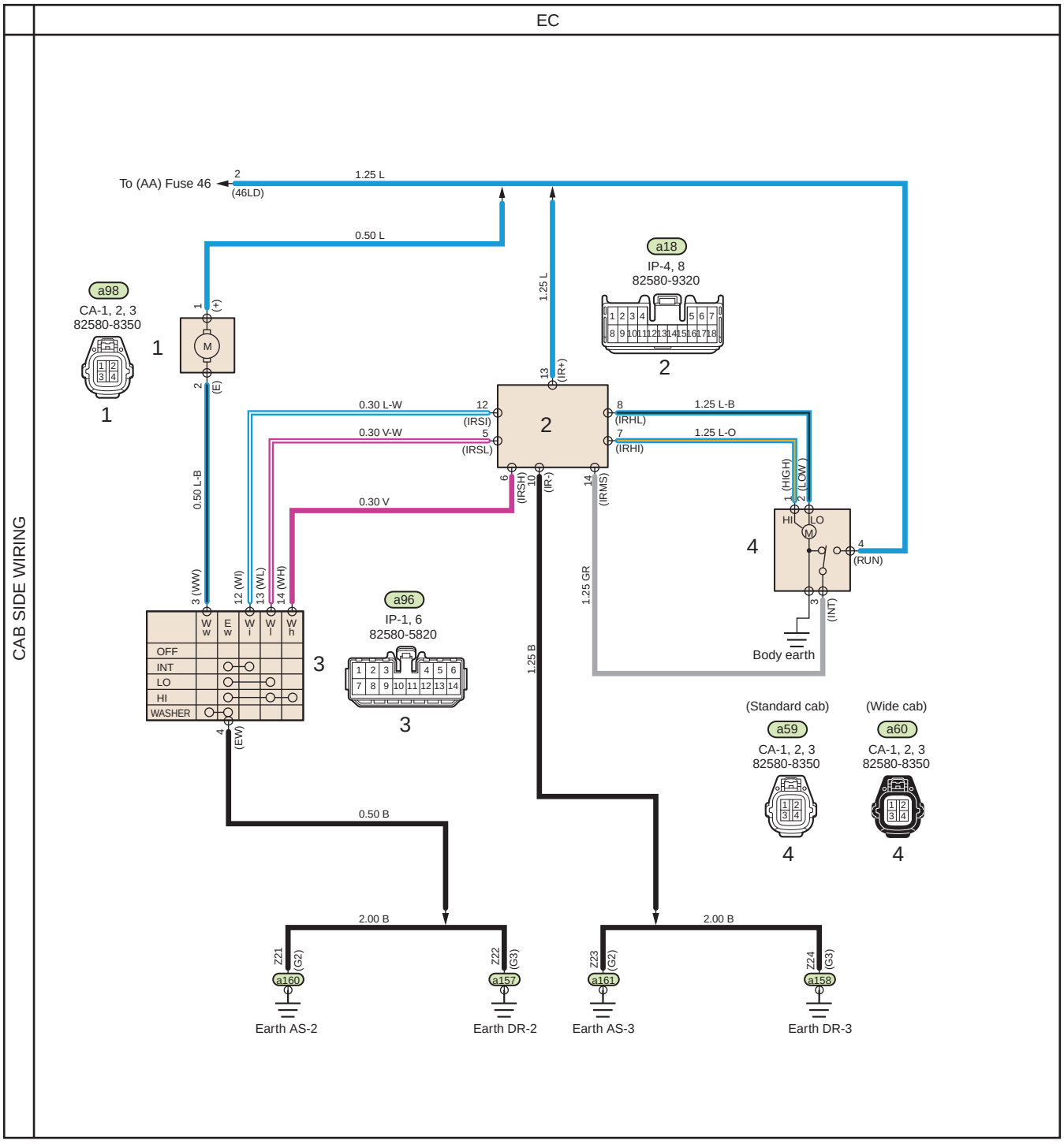



SHTS12Z160200064

**EB. POWER DOOR LOCK CIRCUIT (MODELS FOR LEFT-HAND DRIVE)**

1. Power door lock switch (Driver's seat side)
2. Power door lock controller
3. Power door lock actuator (Passenger’s seat side)

https://truckmanualshub.com/

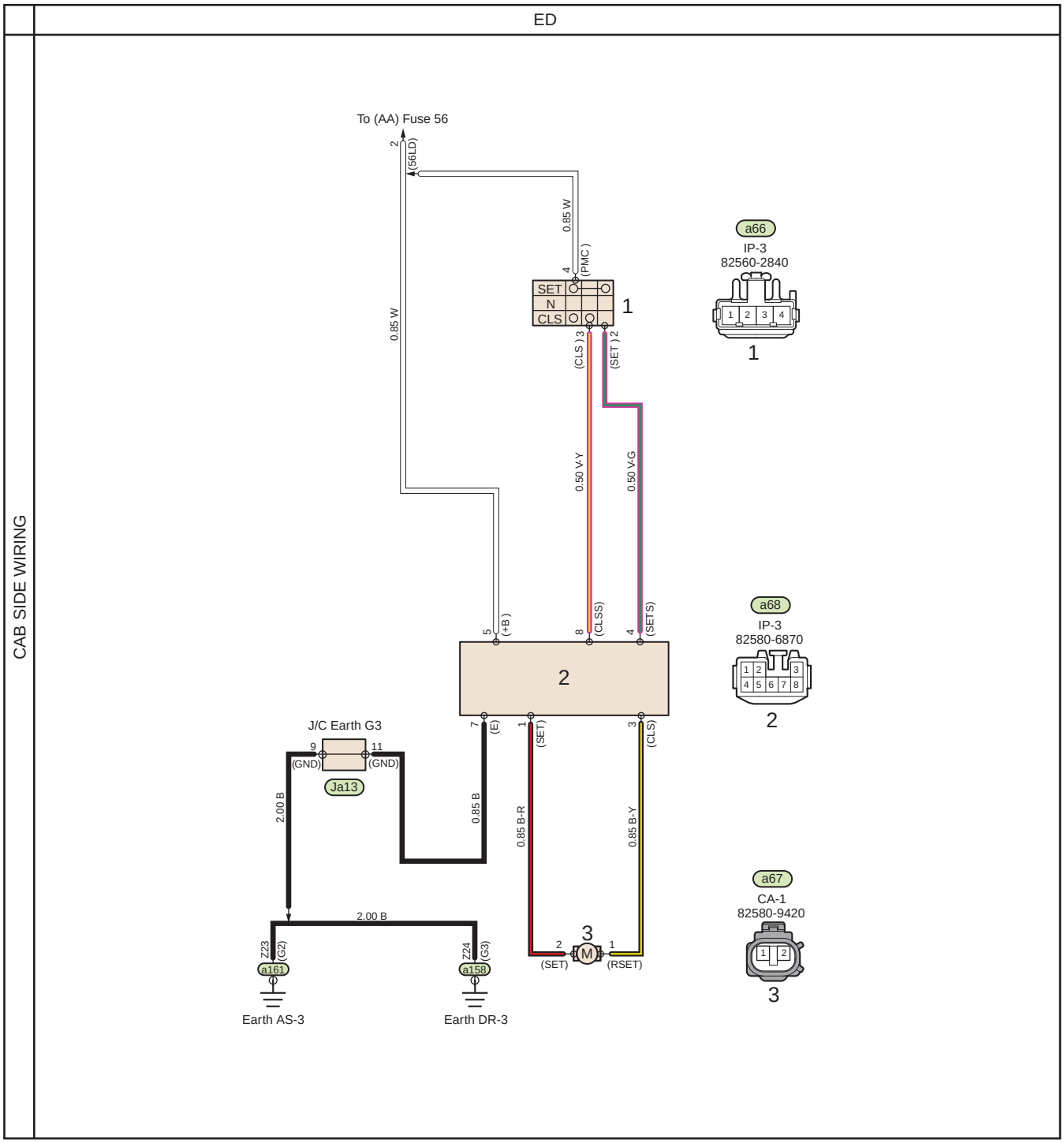



SHTS12Z160200065

**EC. WINDSHIELD WIPER AND WASHER CIRCUIT**

1. Washer pump motor
2. Wiper controller
3. Wiper and retarder switch
4. Wiper motor

https://truckmanualshub.com/

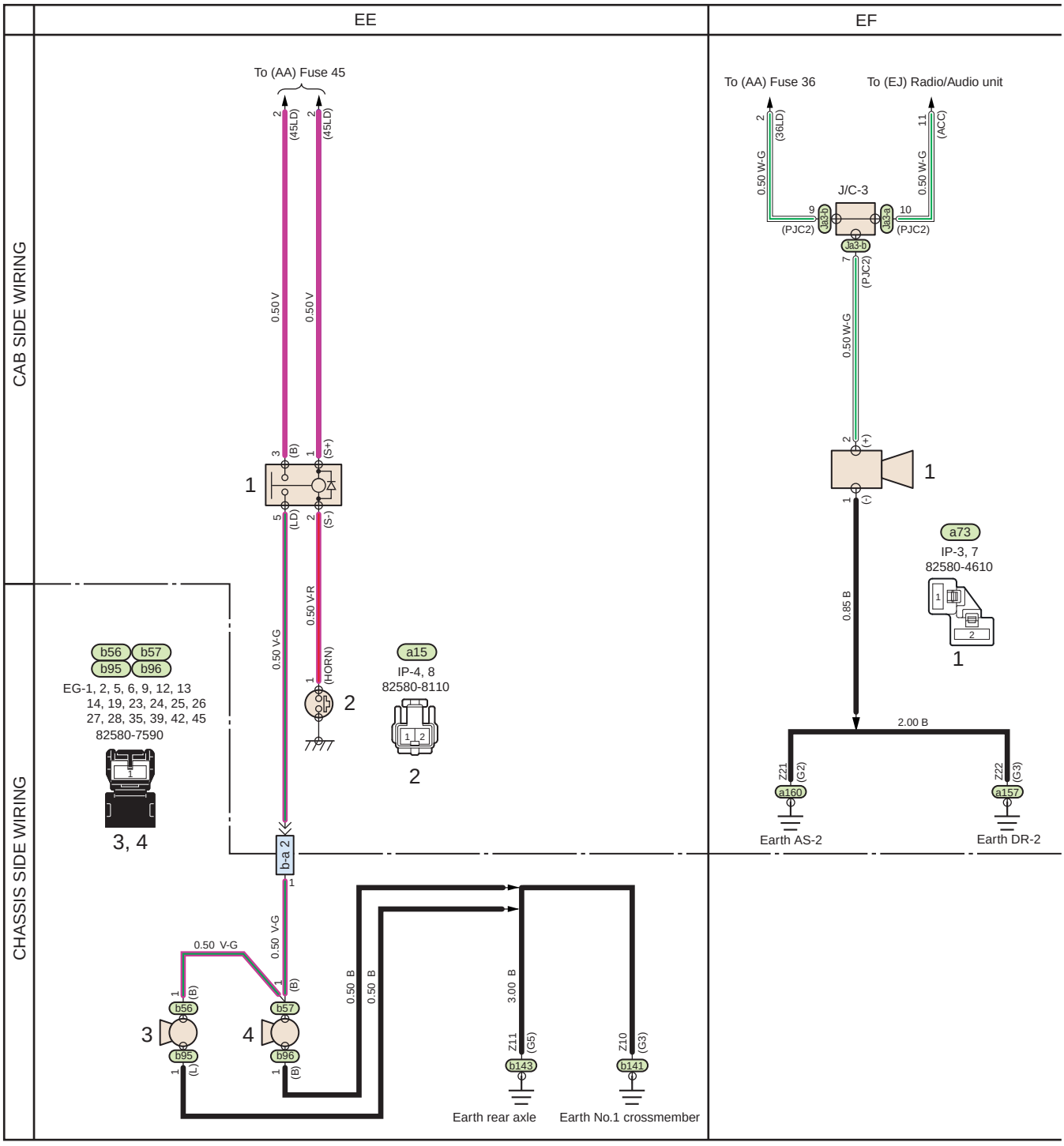



SHTS12Z160200066

**ED. POWER MIRROR CIRCUIT**

1. Power mirror switch
2. Power mirror relay
3. Power mirror motor

https://truckmanualshub.com/




SHTS12Z160200067

**EE. HORN CIRCUIT**

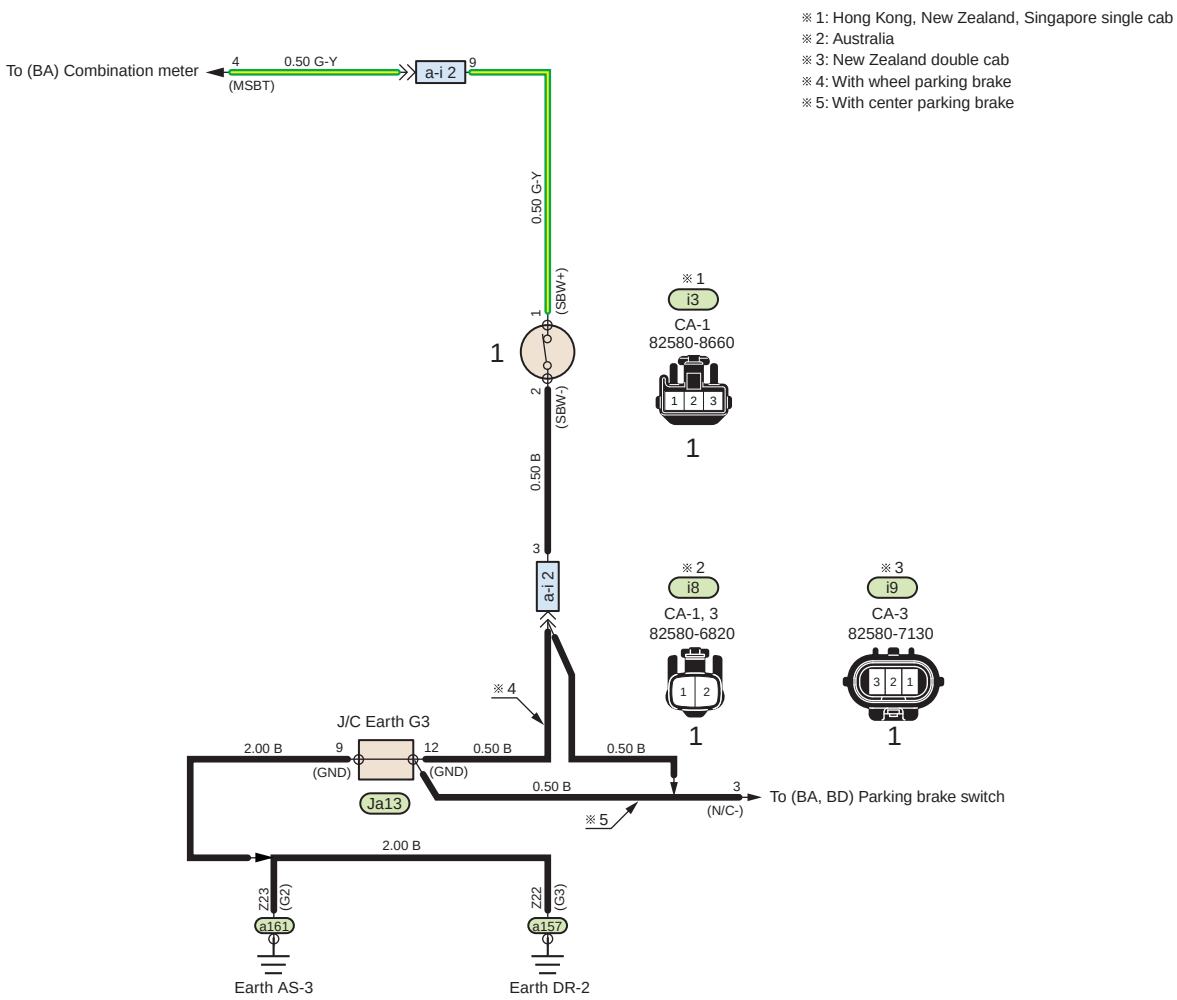
1. Horn relay
2. Horn switch
3. Horn (High)
4. Horn (Low)

**EF. CIGARETTE LIGHTER CIRCUIT**

1. Cigarette lighter

https://truckmanualshub.com/

EG

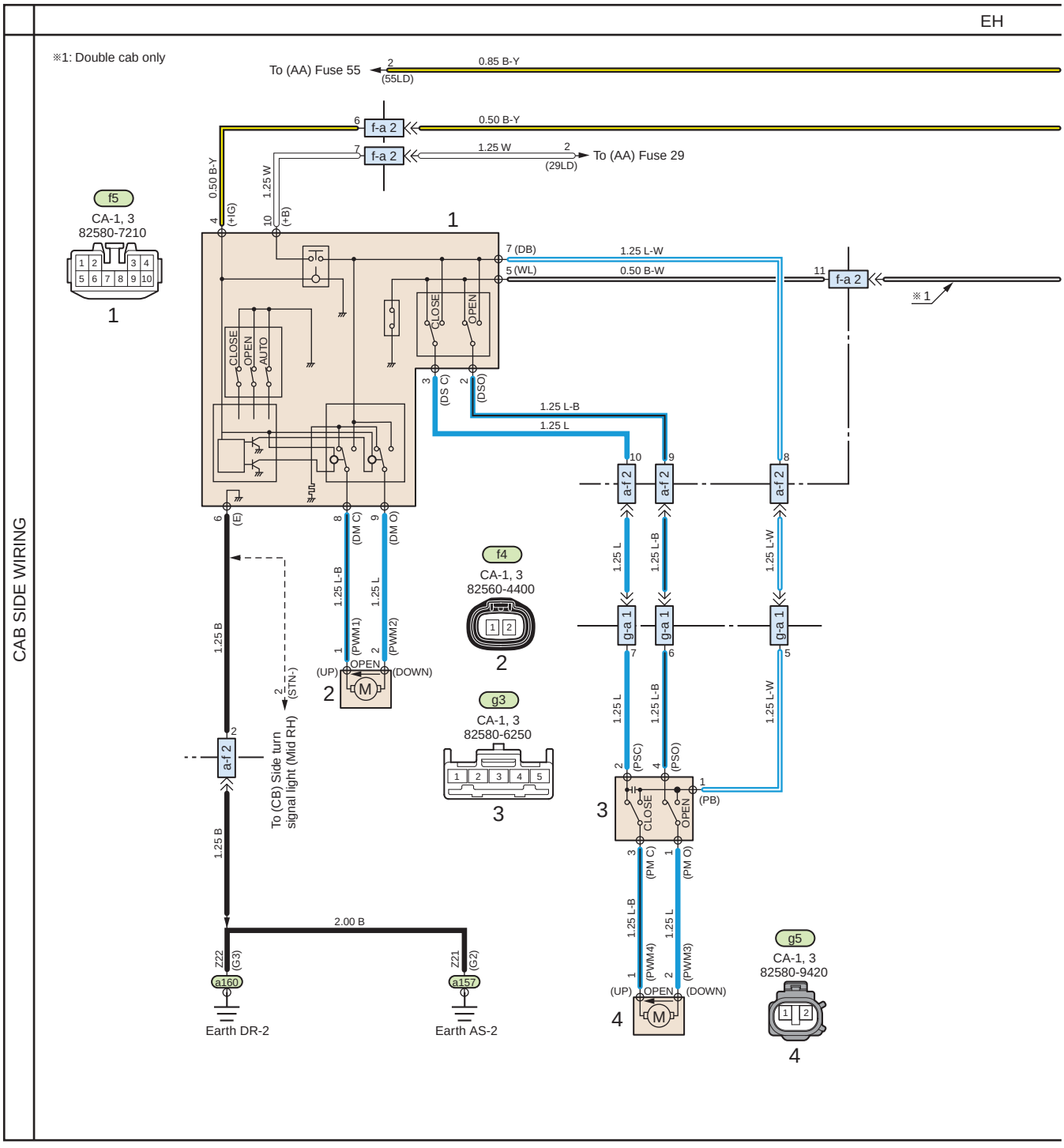



SHTS12Z160200068

**EG. SEAT BELT WARNING CIRCUIT**

1. Seat belt switch

https://truckmanualshub.com/

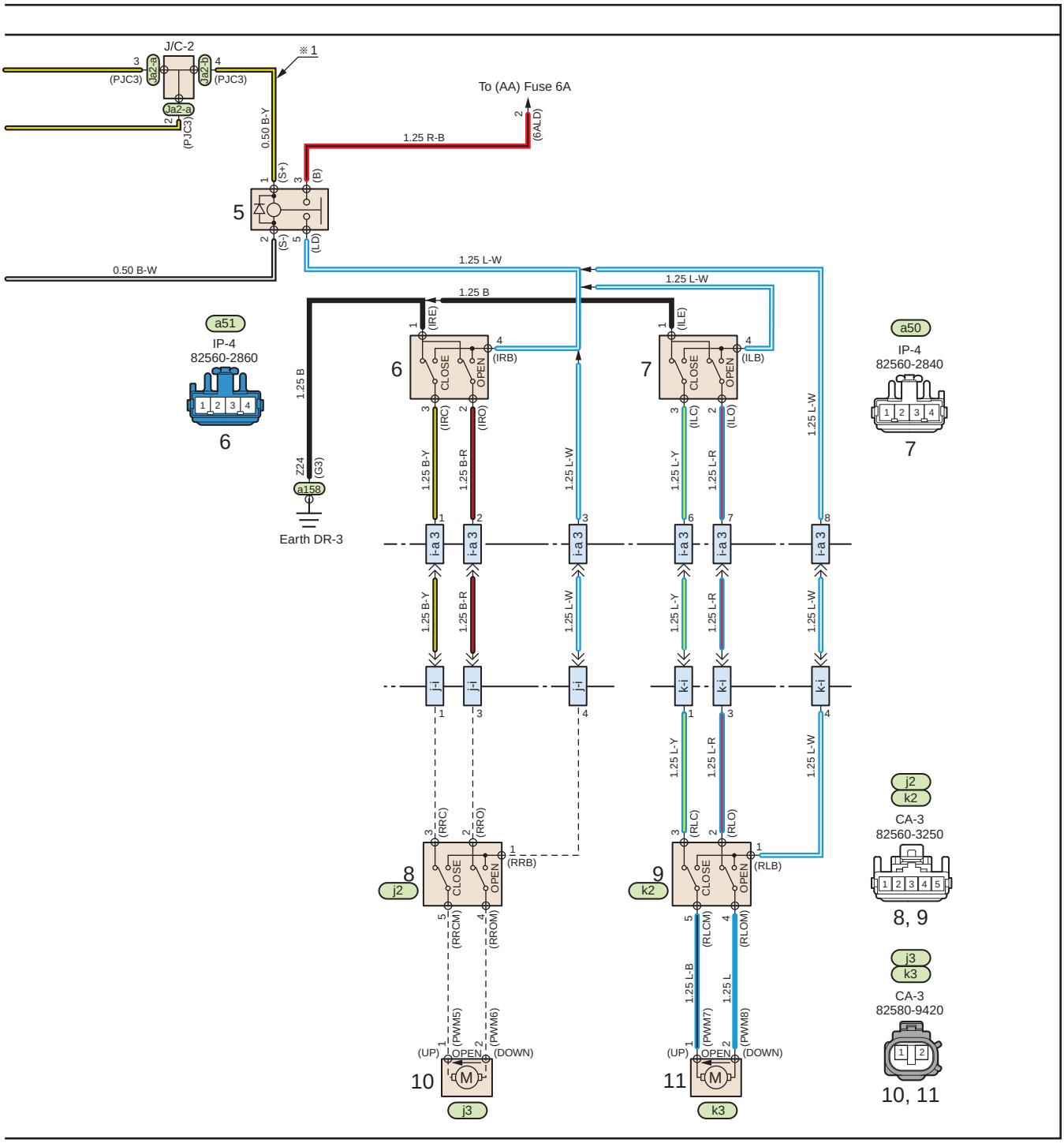



SHTS12Z160200069

**EH. POWER WINDOW CIRCUIT (MODELS FOR RIGHT-HAND DRIVE)**

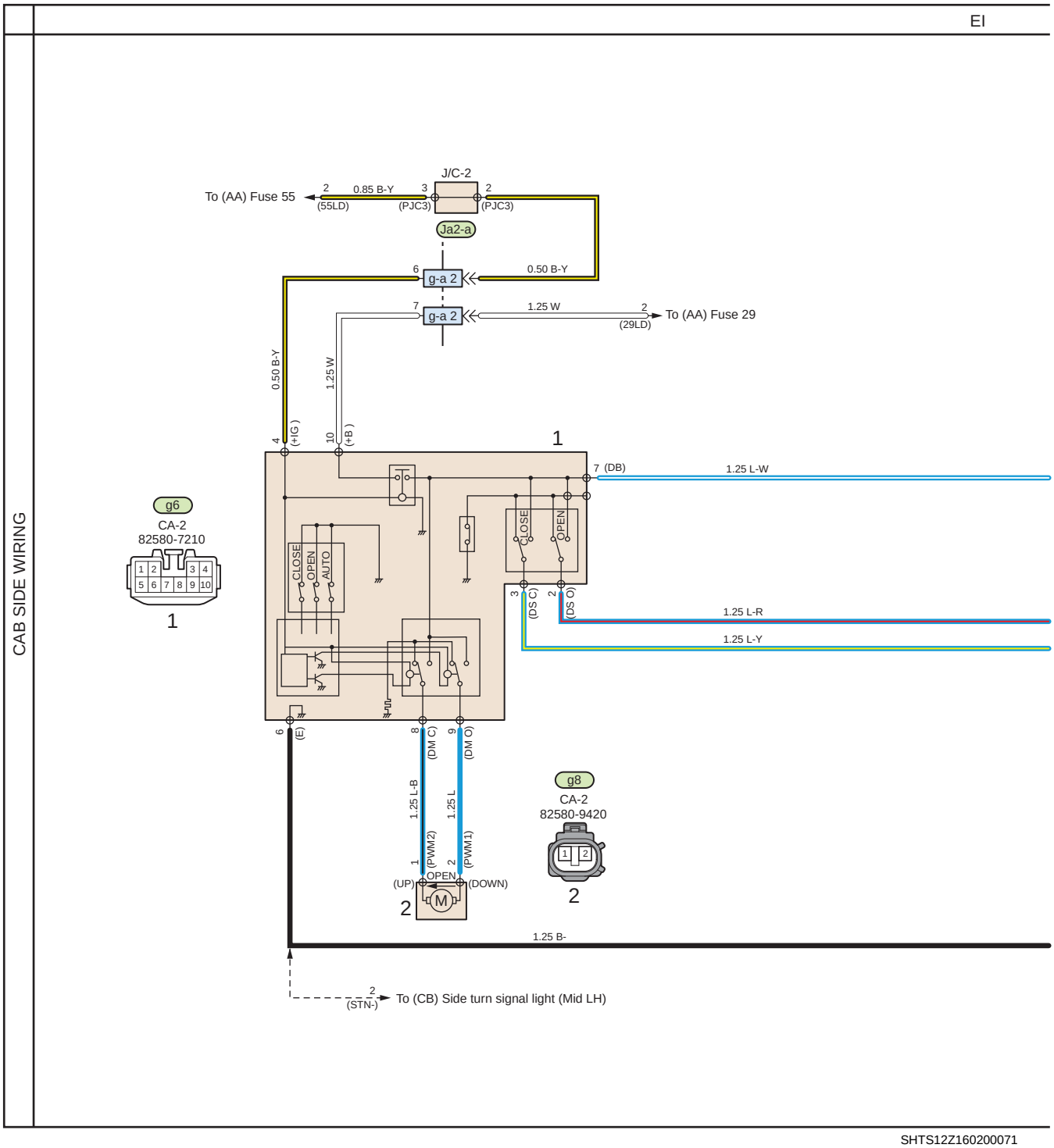
1. Power window switch (Driver's seat side)
2. Power window motor (Driver's seat side)
3. Power window switch (Passenger's seat side)
4. Power window motor (Passenger's seat side)
5. Rear power window relay
6. Power window switch [For rear RH (Driver's seat side)]
7. Power window switch [For rear LH (Driver's seat side)]
8. Power window switch [For rear RH (Rear seat side)]
9. Power window switch [For rear LH (Rear seat side)]
10. Power window motor (Rear RH)
11. Power window motor (Rear LH)

https://truckmanualshub.com/




SHTS12Z160200070

https://truckmanualshub.com/

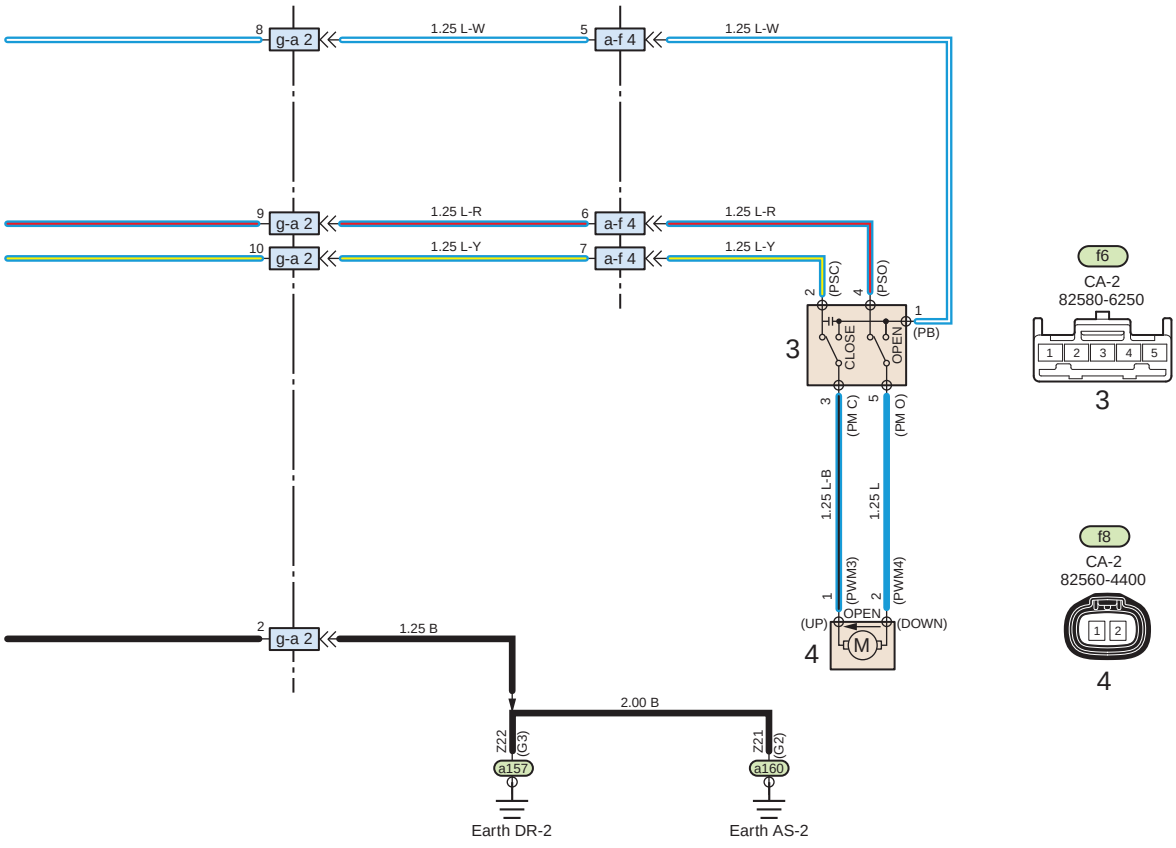



SHTS12Z160200071

**EI. POWER WINDOW CIRCUIT (MODELS FOR LEFT-HAND DRIVE)**

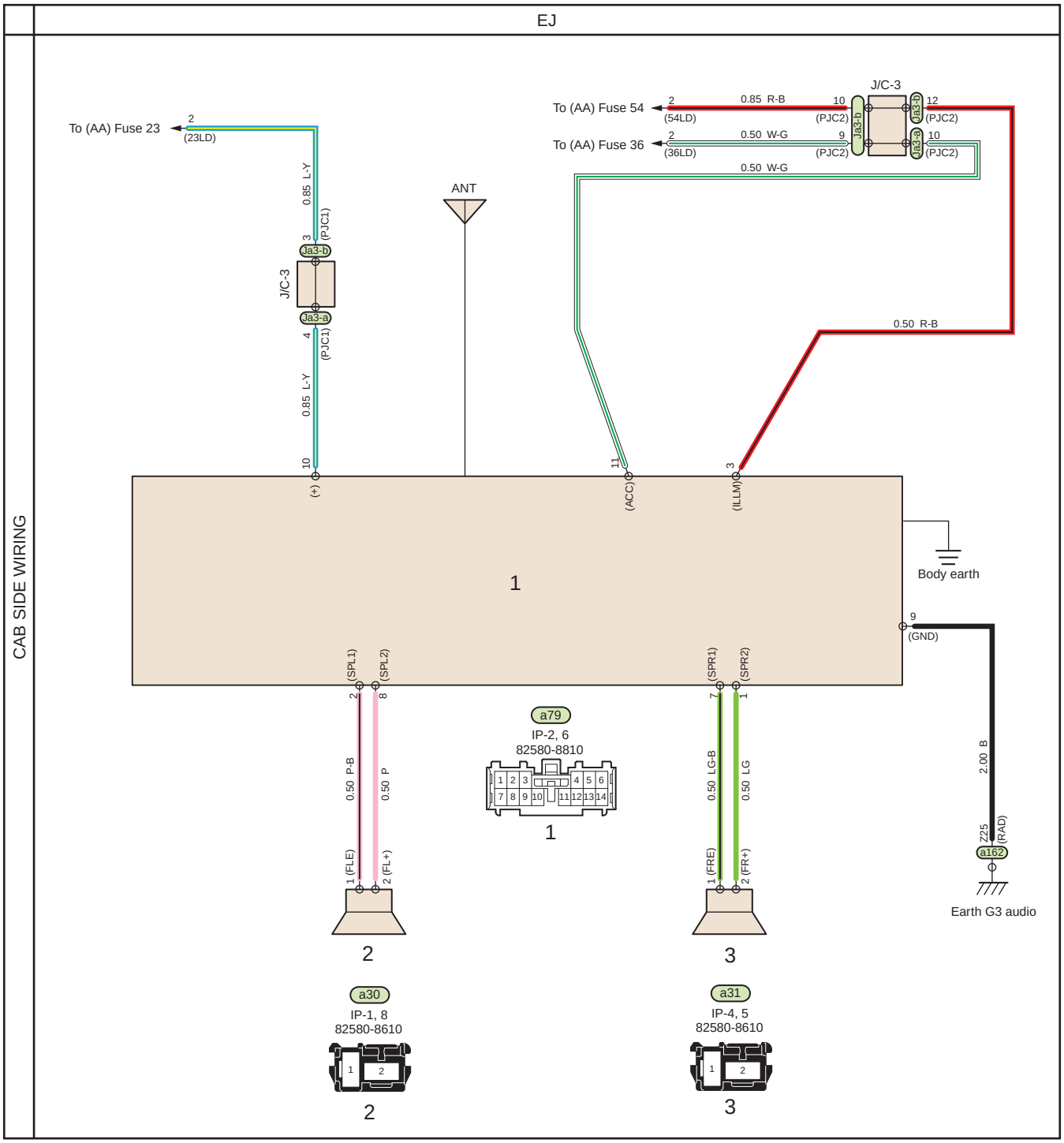
1. Power window switch (Driver's seat side)
2. Power window motor (Driver's seat side)
3. Power window switch (Passenger’s seat side)
4. Power window motor (Passenger’s seat side)

https://truckmanualshub.com/




SHTS12Z160200072

https://truckmanualshub.com/

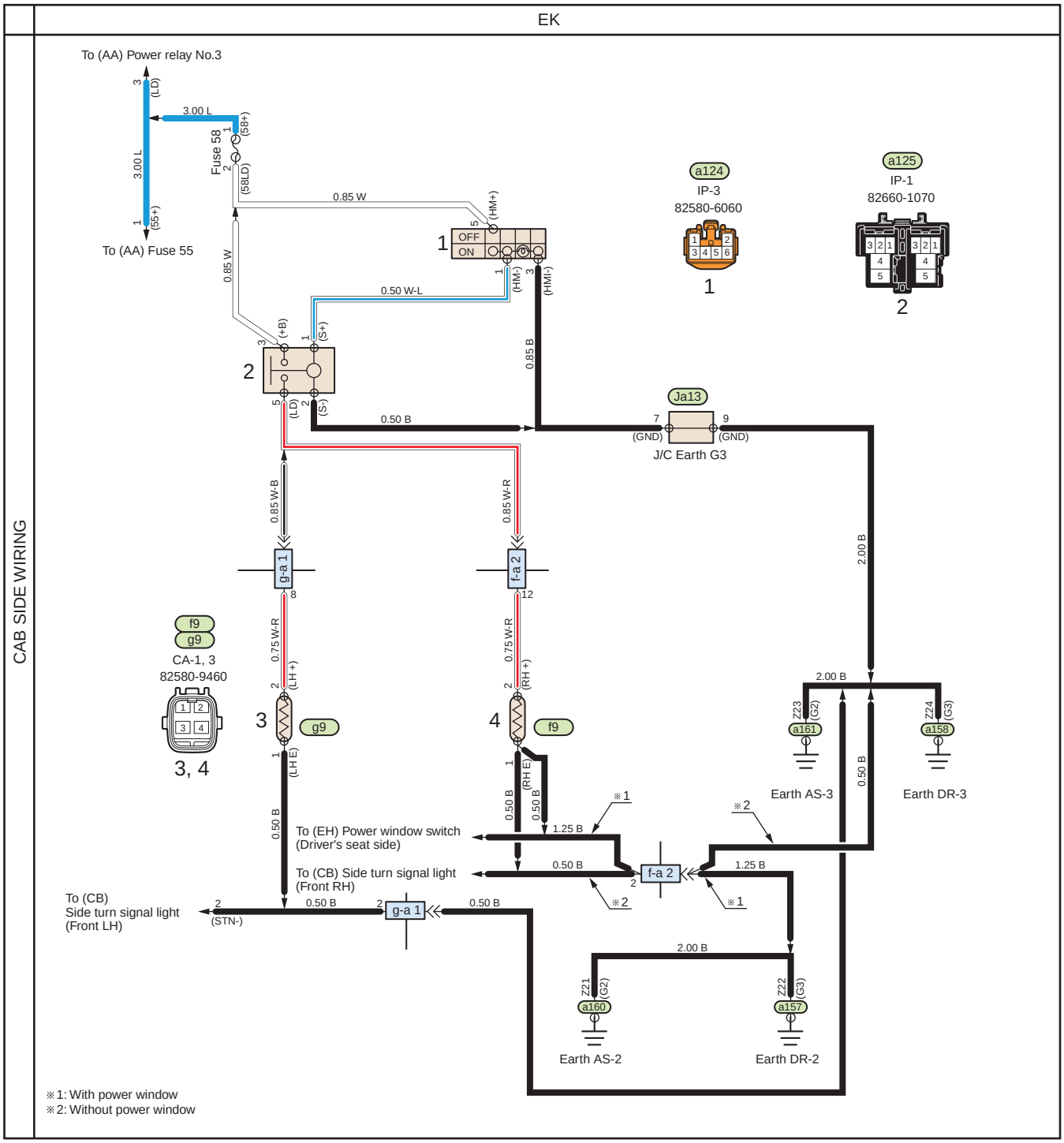



SHTS12Z160200073

**EJ. RADIO/AUDIO CIRCUIT**

1. Radio/Audio unit
2. Front speaker LH
3. Front speaker RH

https://truckmanualshub.com/

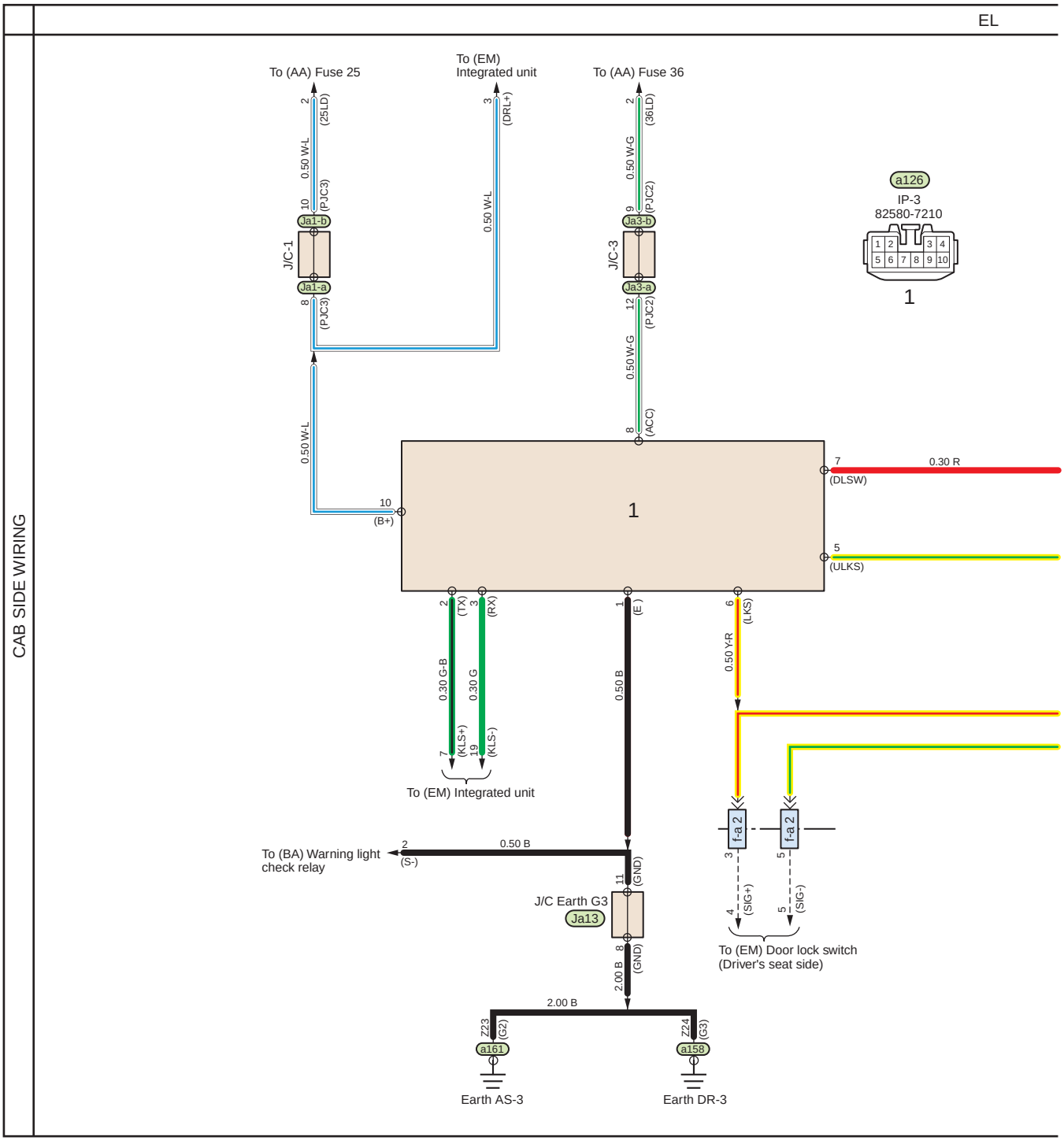



SHTS12Z160200074

**EK. MIRROR HEATER CIRCUIT**

1. Mirror heater switch
2. Mirror heater relay
3. Mirror heater LH
4. Mirror heater RH

https://truckmanualshub.com/

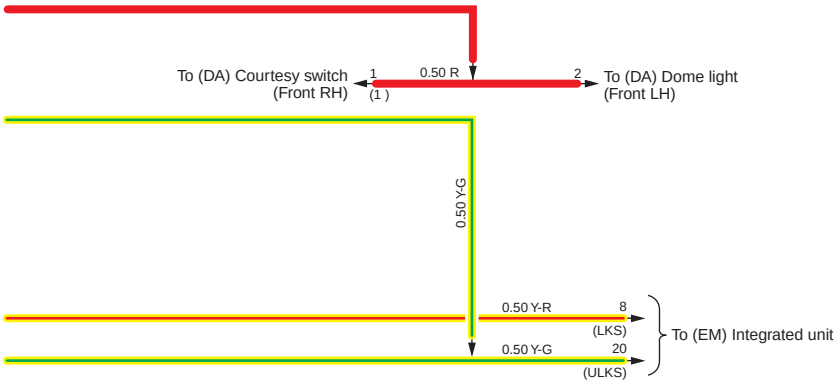



SHTS12Z160200075

**EL. KEYLESS ENTRY CIRCUIT**

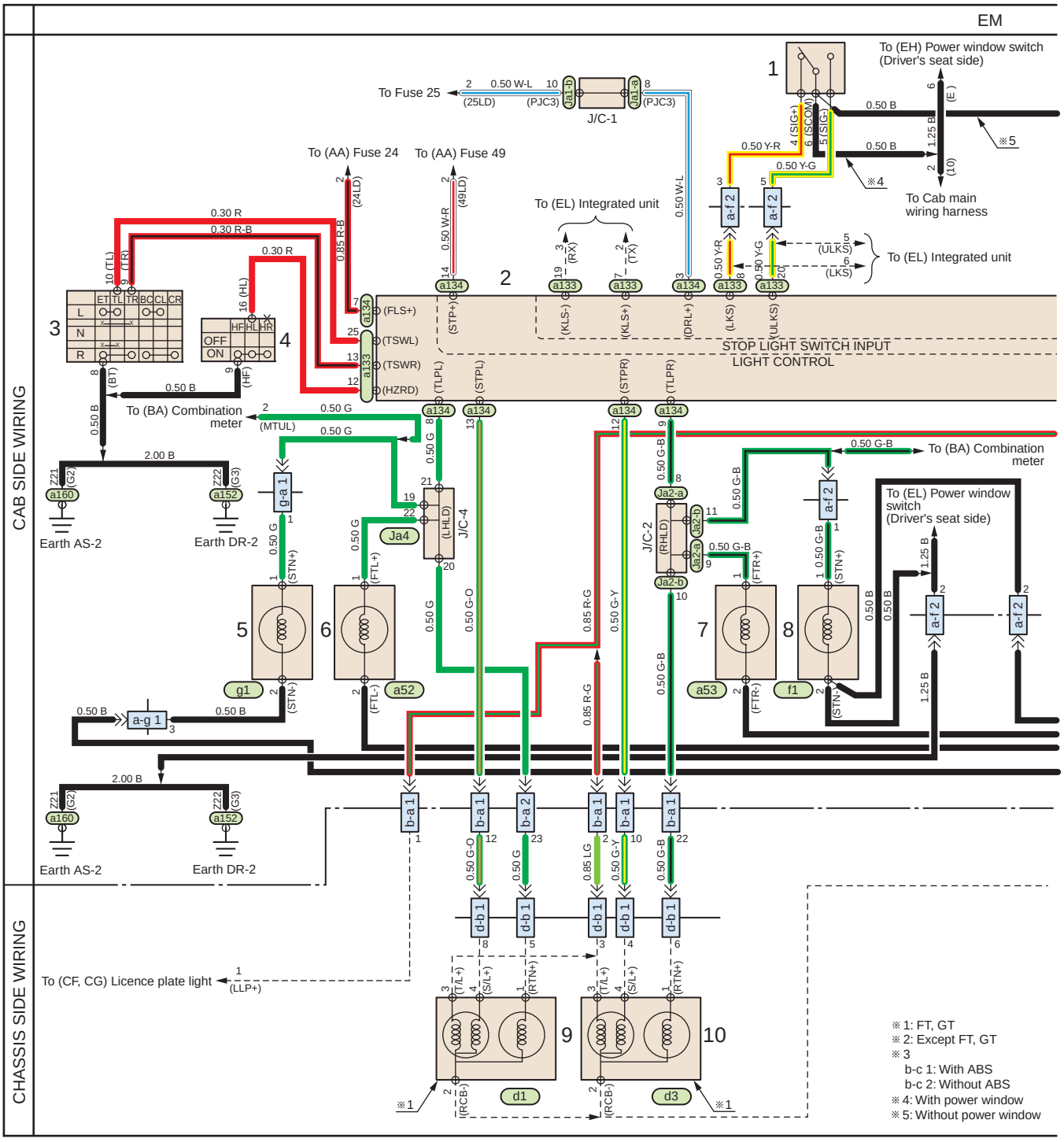
1. Keyless entry controller

https://truckmanualshub.com/




SHTS12Z160200076

https://truckmanualshub.com/

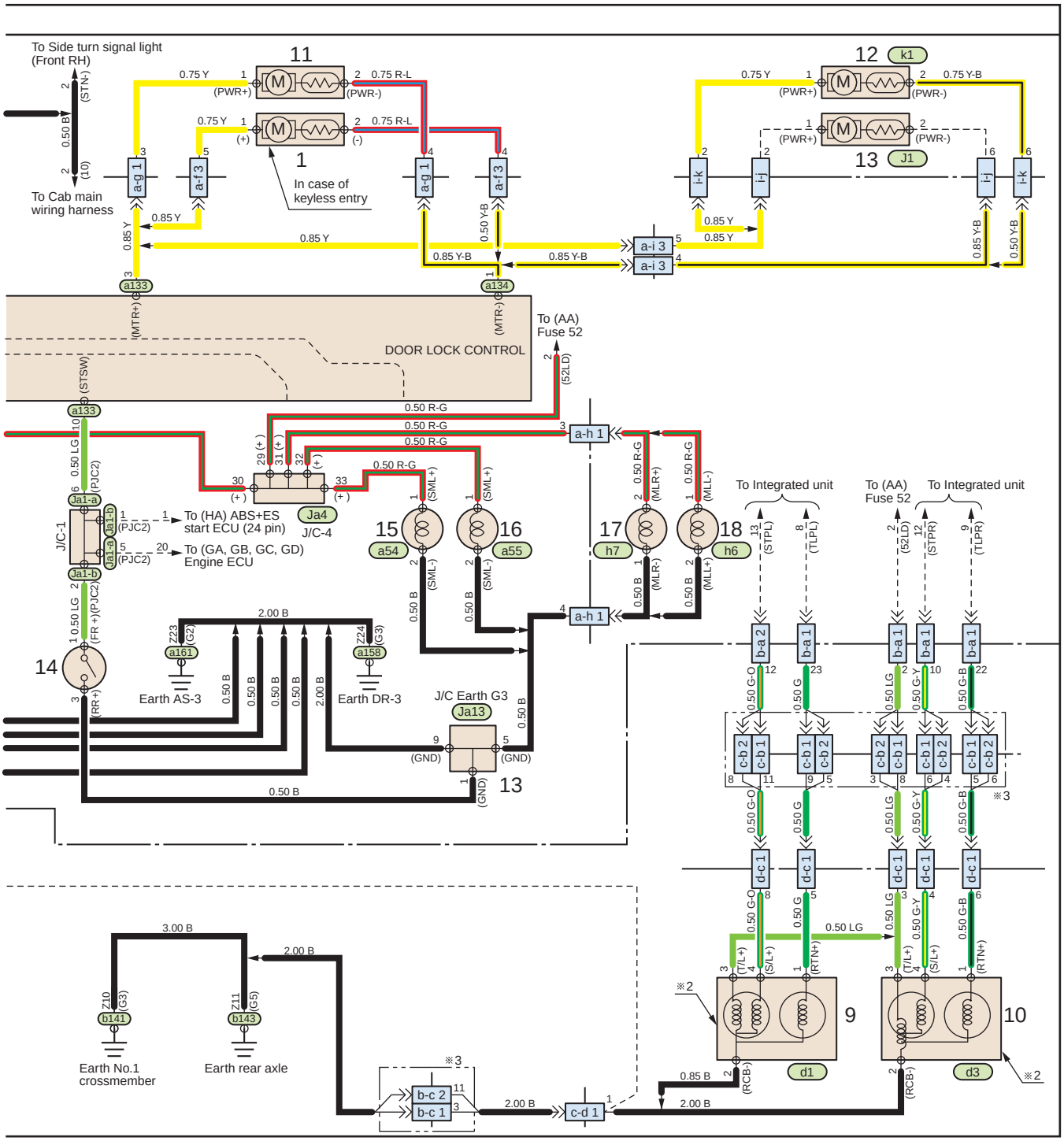



SHTS12Z160200077

**EM. INTEGRATED UNIT CIRCUIT (1 of 2)**

1. Power door lock switch (Driver's seat side)
2. Integrated unit
3. Light and turn switch
4. Wiper and retarder switch
5. Side turn signal light (Front LH)
6. Turn signal light (Front LH)
7. Turn signal light (Front RH)
8. Side turn signal light (Front RH)
9. Rear combination light LH
10. Rear combination light RH
11. Power door lock actuator (Passenger's seat side)
12. Power door lock actuator (Rear LH)
13. Power door lock actuator (Rear RH)
14. Stop light switch
15. Side marker light LH
16. Side marker light RH
17. Front endout marker light RH
18. Front endout marker light LH

https://truckmanualshub.com/




SHTS12Z160200078

https://truckmanualshub.com/

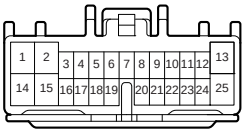
CONNECTORS FOR CIRCUIT "EM"

f3
CA-1, 3
82560-3300



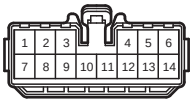

1

a133
IP-1
82560-2750




2

a134
IP-1
82580-5820




2

f1
g1
CA-1, 3
82580-7660




5, 8

a52
a53
CA-1, 3
82580-7660




6, 7

a12
IP-4
82560-3030




14

a54
CA-1, 3
82560-1670




15

a55
CA-1, 3
82560-1670

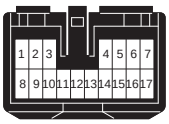



16

SHTS12Z160200079

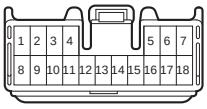
https://truckmanualshub.com/

a16
IP-4
82580-9310




3

a18
IP-4
82580-9320




4

d1
d3
RR-1, 2
82580-8350




9, 10

g4
CA-1, 3
82580-7660




11

j1
k1
CA-3
82580-7660




12, 13

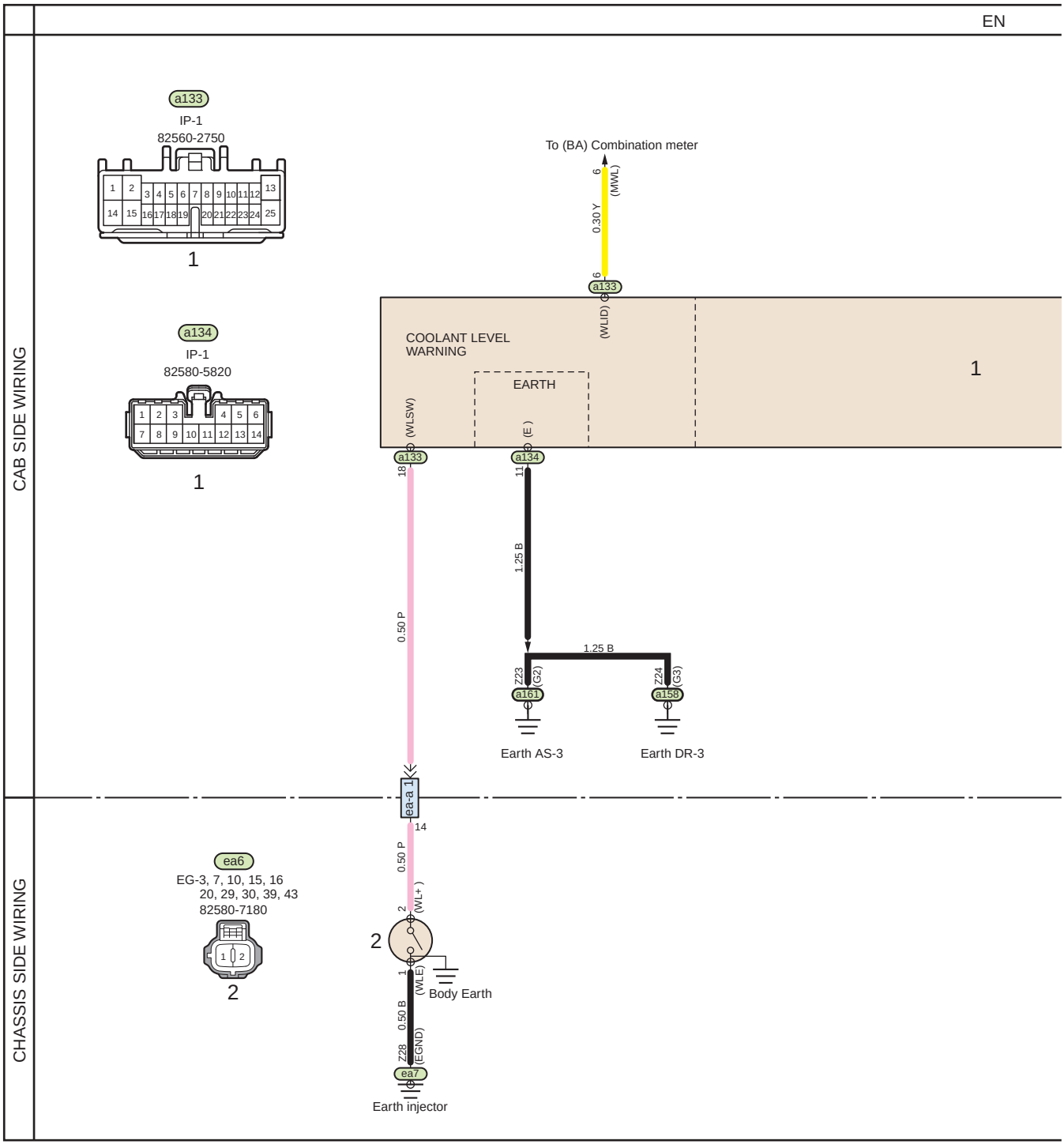
h6
h7
CA-1, 3
82580-8100




17, 18

SHTS12Z160200080

https://truckmanualshub.com/

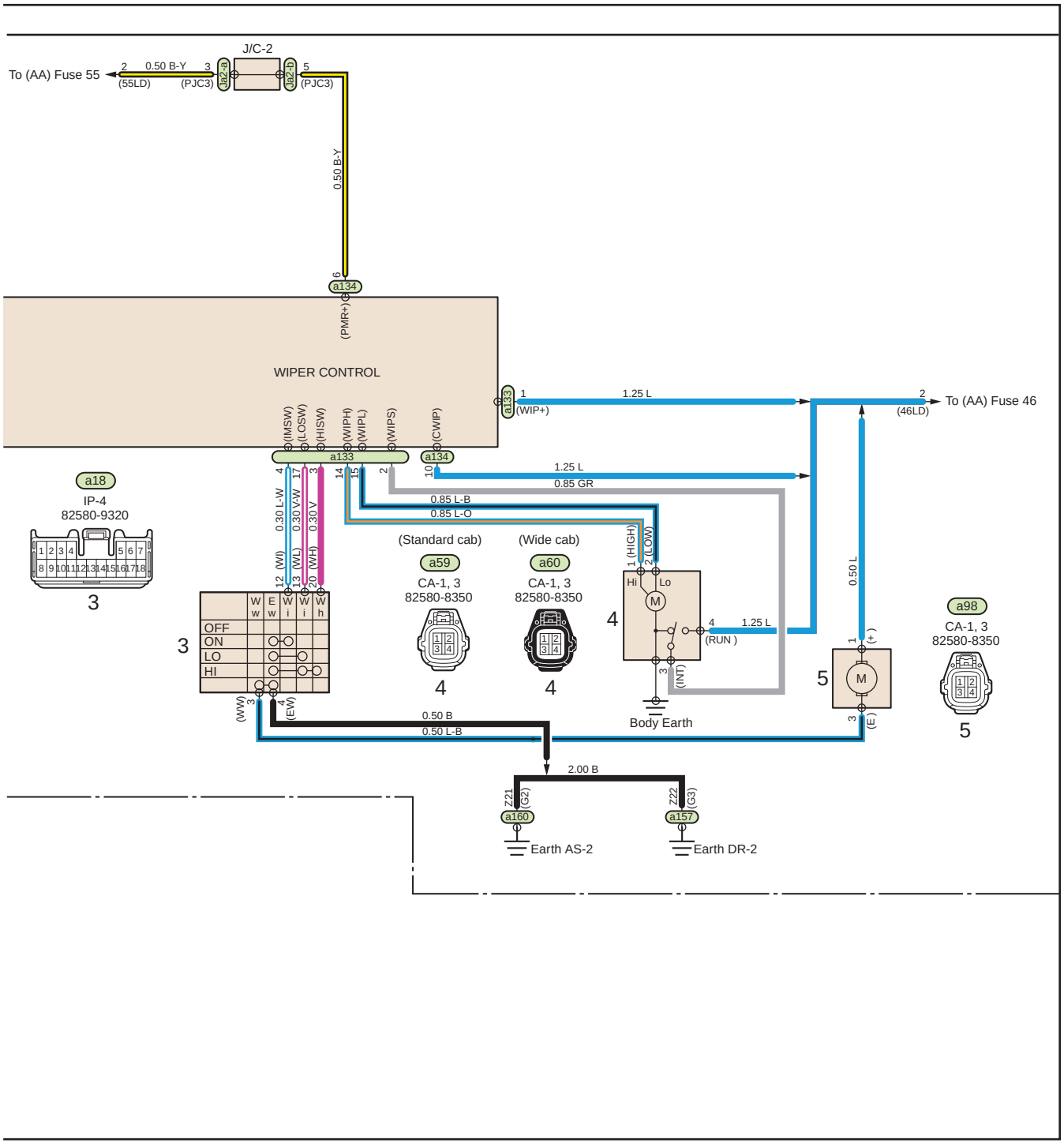



SHTS12Z160200081

**EN. INTEGRATED UNIT CIRCUIT (2 of 2)**

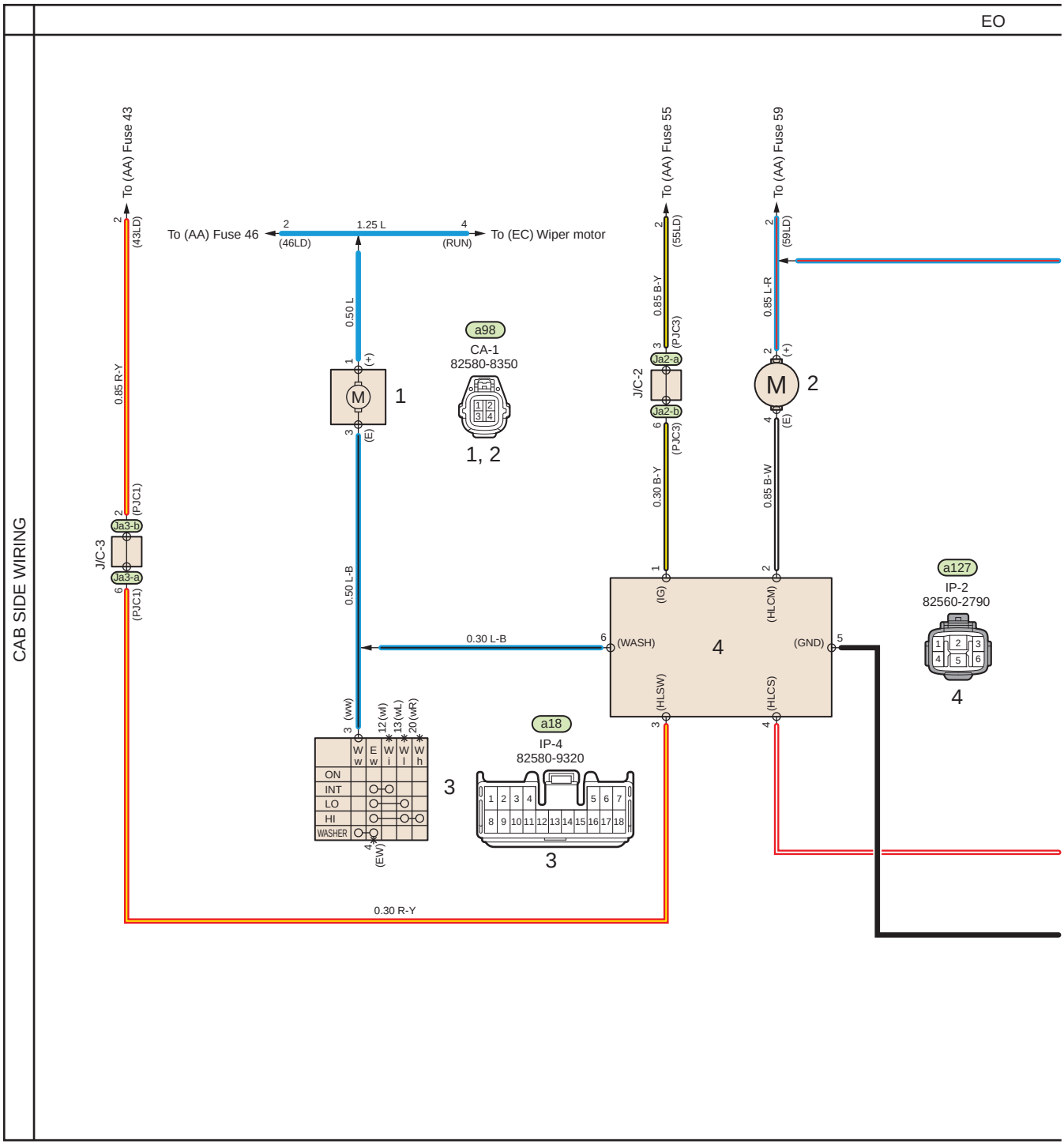
1. Integrated unit
2. Coolant level switch
3. Wiper and retarder switch
4. Wiper motor
5. Washer pump motor

https://truckmanualshub.com/




SHTS12Z160200082

https://truckmanualshub.com/

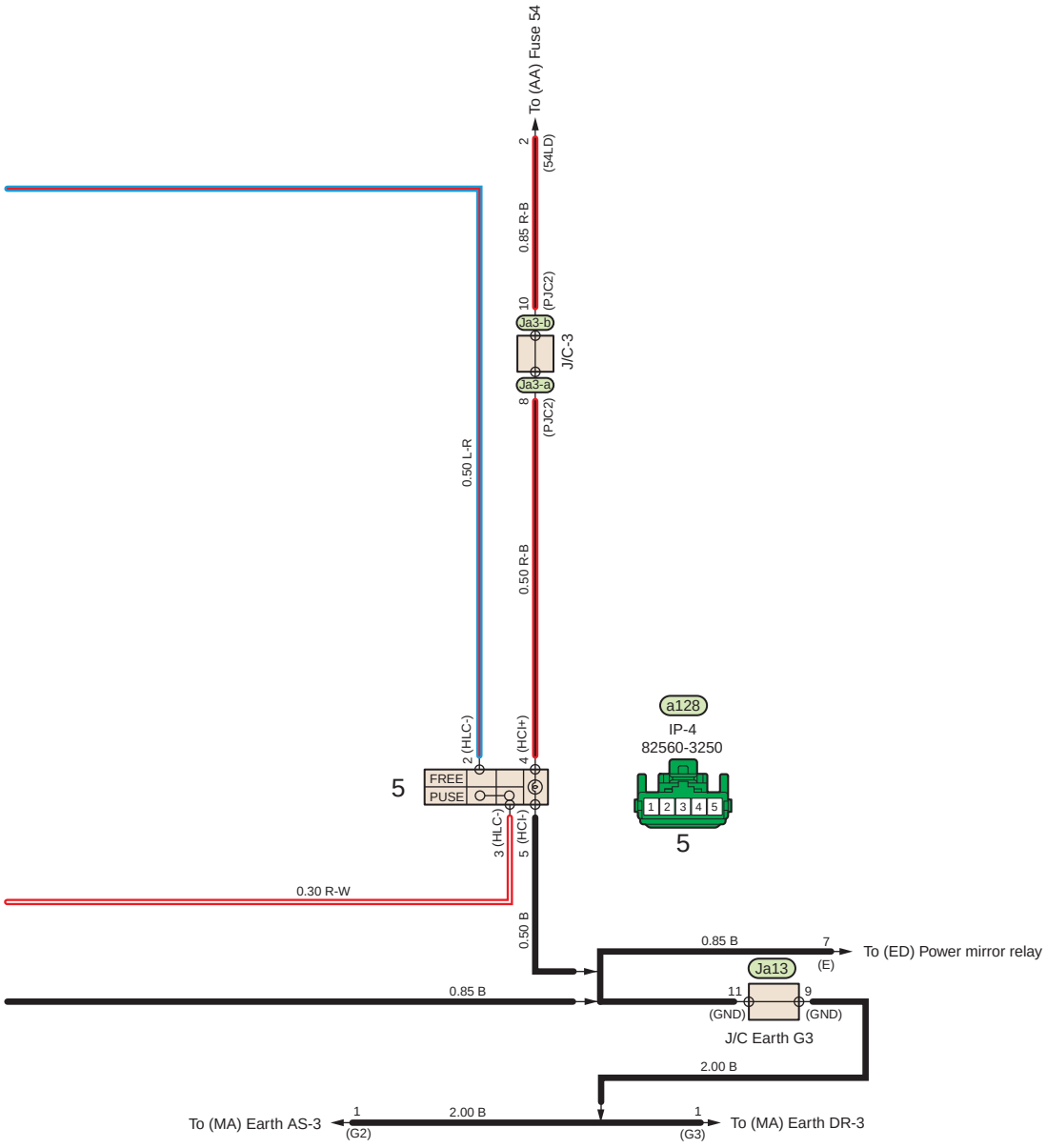



SHTS12Z160200083

**EO. HEADLIGHT WASHER CIRCUIT**

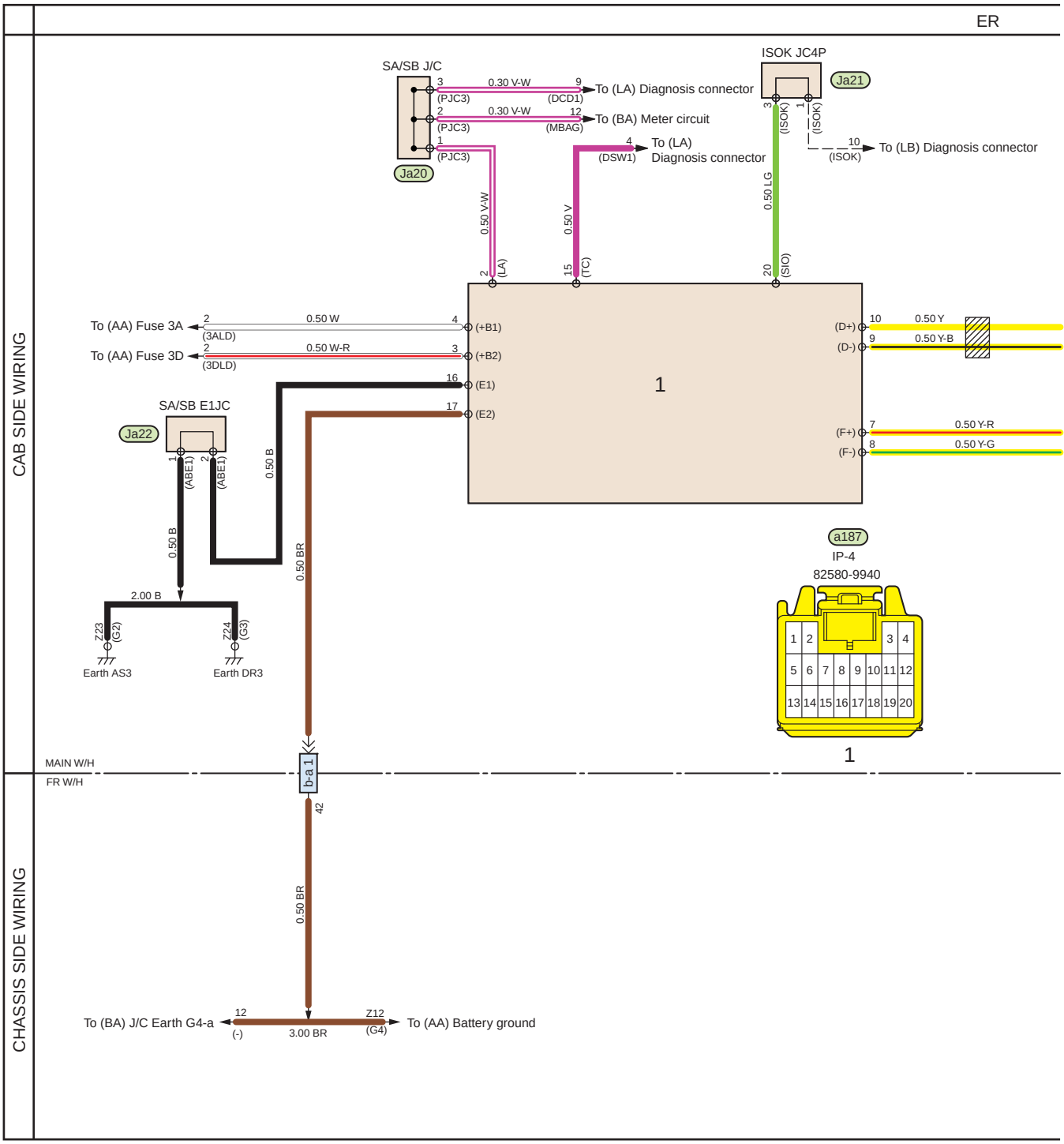
1. Washer pump motor
2. Headlight washer pump motor
3. Wiper and retarder switch
4. Headlight washer control relay
5. Headlight washer switch

https://truckmanualshub.com/




SHTS12Z160200084

https://truckmanualshub.com/

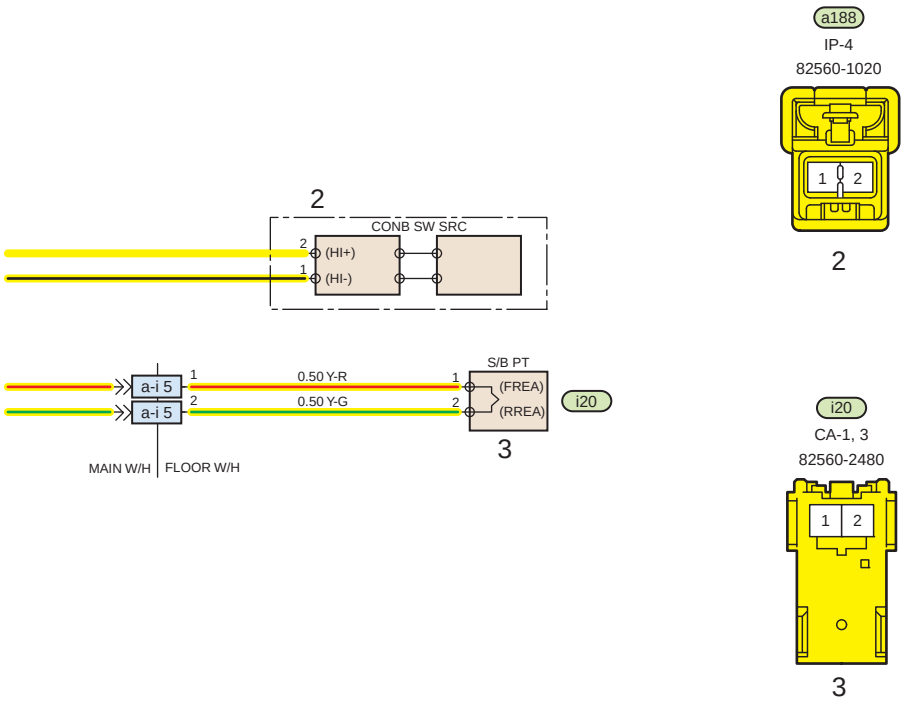



SHTS12Z160200085

**ER. AIR BAG CIRCUIT**

1. Air bag ECU
2. Combination switch (SRC)
3. Wiper and retarder switch
4. Seat belt pretensioner

https://truckmanualshub.com/

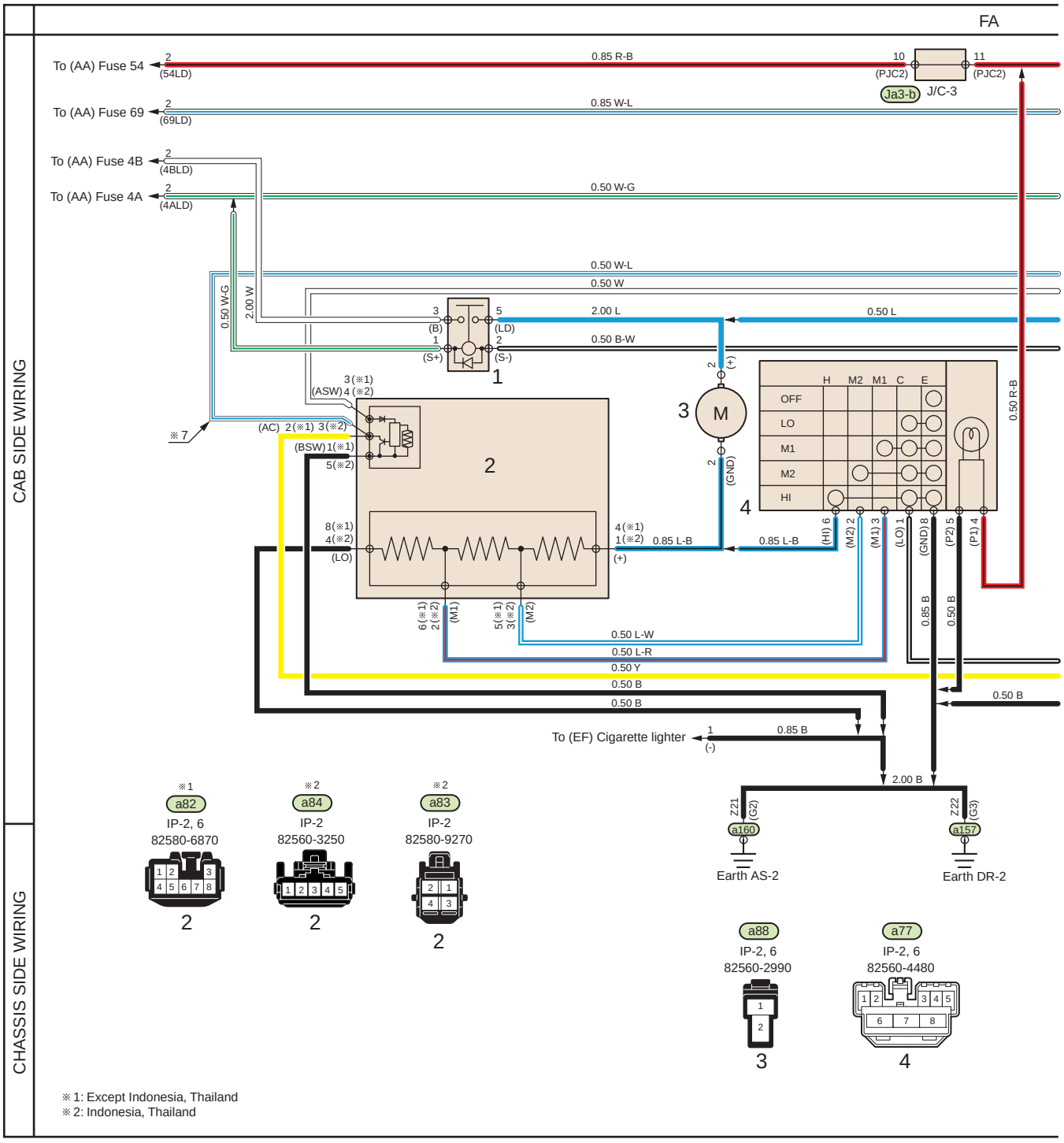






SHTS12Z160200086

https://truckmanualshub.com/

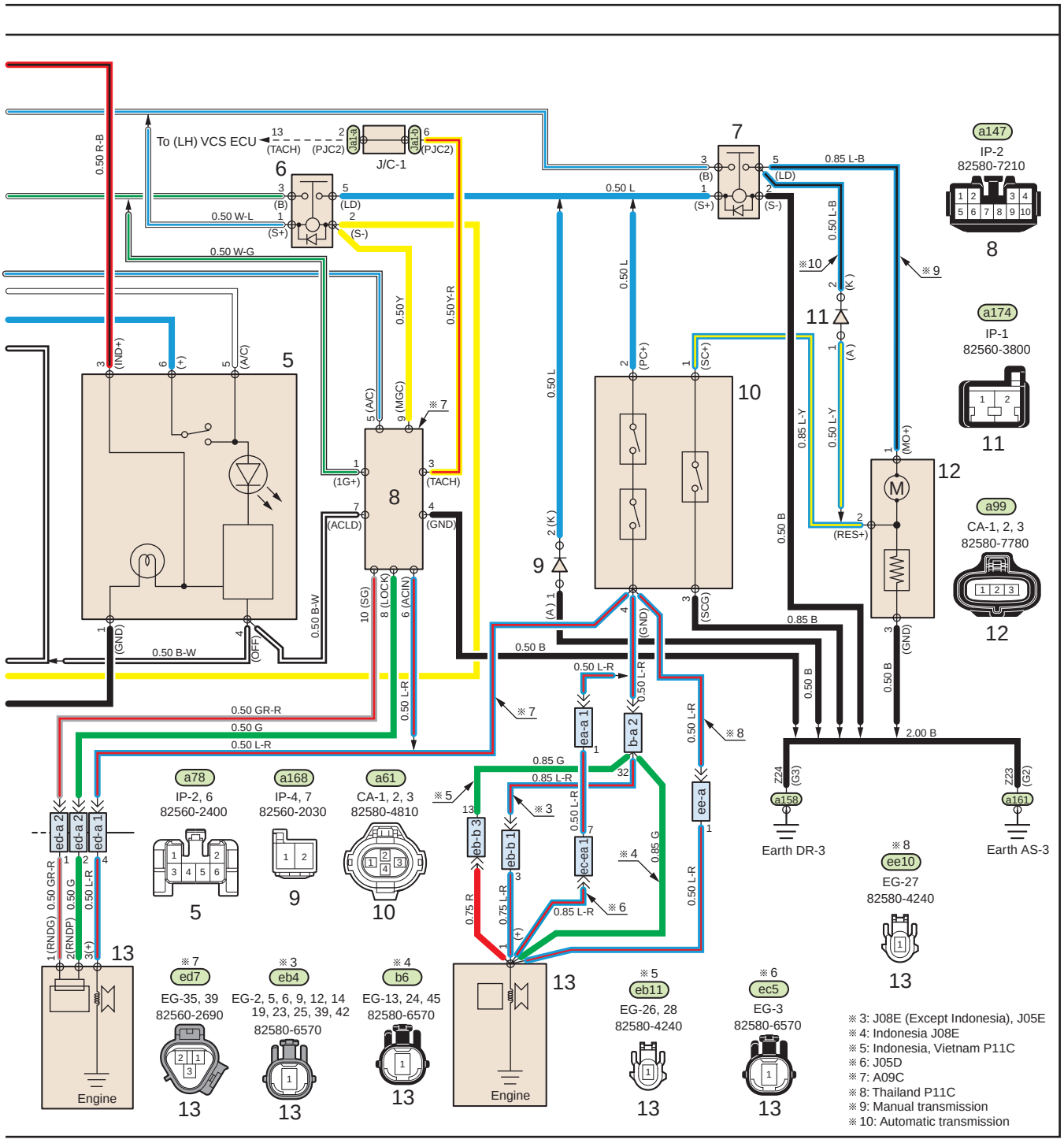



SHTS12Z160200087

**FA. AIR CONDITIONER CIRCUIT**

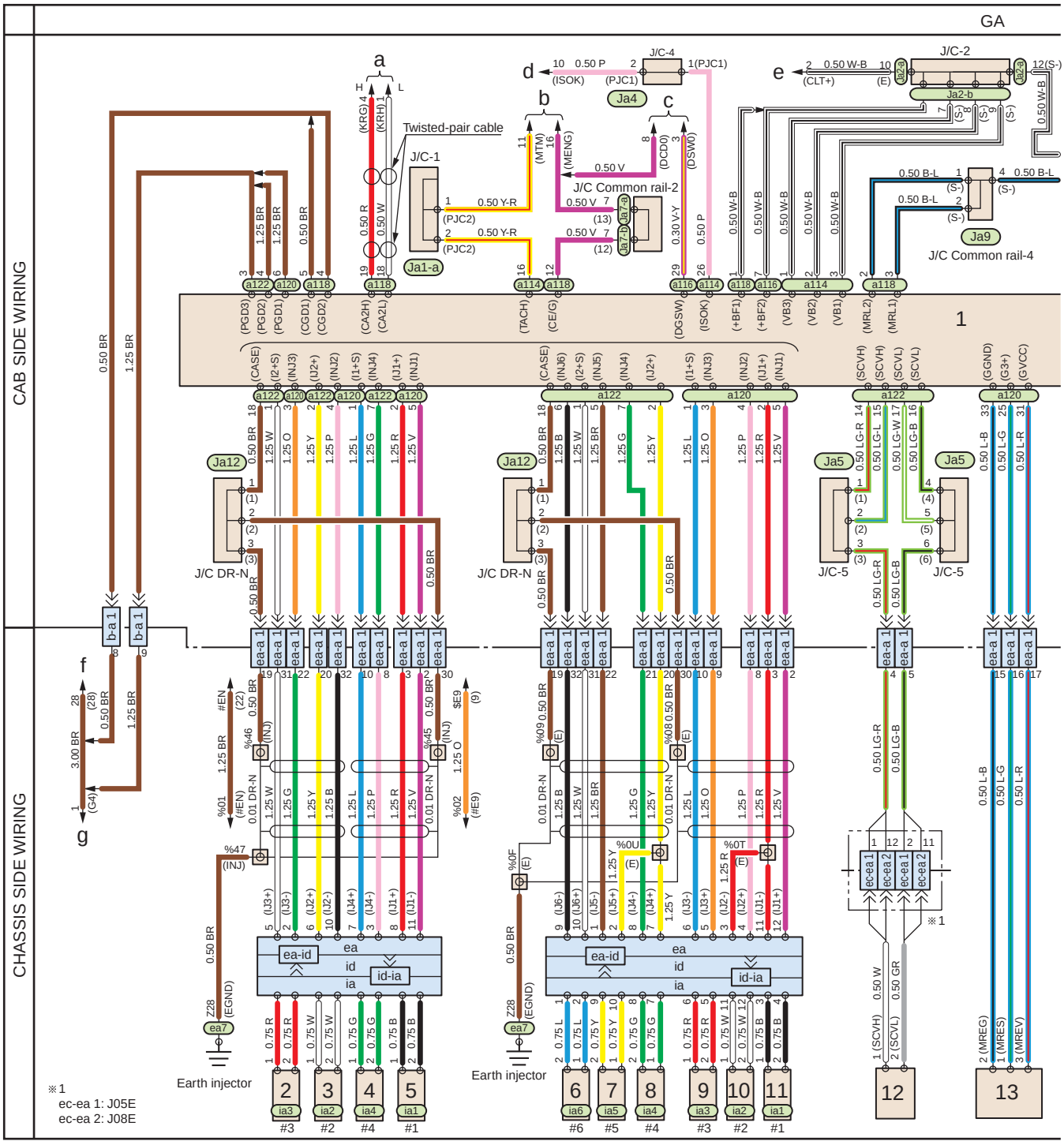
1. Heater relay
2. Air conditioner unit
3. Blower motor
4. Blower switch
5. Air conditioner switch
6. Air conditioner relay
7. Air conditioner condenser relay
8. Lock amp
9. Air conditioner diode
10. Pressure switch (Triple)
11. Air conditioner condenser diode
12. Air conditioner condenser
13. Air conditioner compressor

https://truckmanualshub.com/




SHTS12Z160200088

https://truckmanualshub.com/

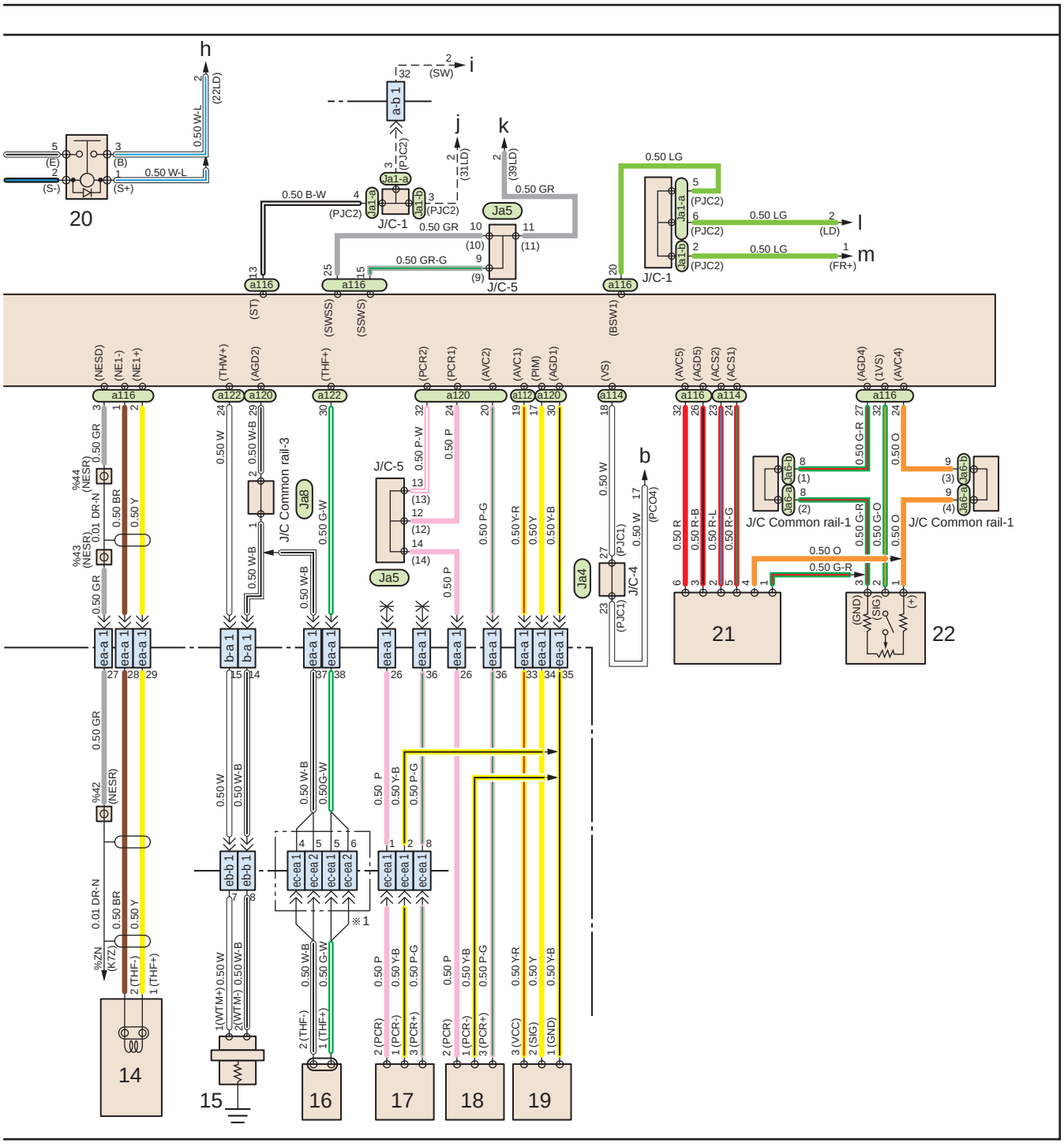



SHTS12Z160200089

**GA. [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR CHILE AND THAILAND)**

1. Engine ECU
2. Fuel injector No.3 (4 cylinder)
3. Fuel injector No.2 (4 cylinder)
4. Fuel injector No.4 (4 cylinder)
5. Fuel injector No.1 (4 cylinder)
6. Fuel injector No.6 (6 cylinder)
7. Fuel injector No.5 (6 cylinder)
8. Fuel injector No.4 (6 cylinder)
9. Fuel injector No.3 (6 cylinder)
10. Fuel injector No.2 (6 cylinder)
11. Fuel injector No.1 (6 cylinder)
12. SCV (Suction Control Valve)
13. Engine speed main sensor
14. Engine speed sub sensor
15. Coolant temperature sensor
16. Fuel temperature sensor
17. Common rail pressure sensor (4 cylinder)
18. Common rail pressure sensor (6 cylinder)
19. Boost pressure sensor
20. ECU main relay
21. Accelerator sensor
22. Idle volume

https://truckmanualshub.com/



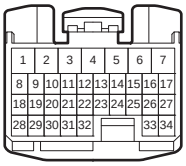

SHTS12Z160200090

a. To (LC) J/C CAN
b. To (BA) Combination meter
c. To (LA) Diagnosis connector (White)
d. To (LB) Diagnosis connector (16 pin)
e. To (GF) Clutch switch
f. To (MA) J/C Earth G4-a
g. To (MA) Battery ground
h. To (AA) Fuse 22
i. To (AD) Starter relay
j. To (AA) Fuse 31
k. To (AA) Fuse 39
l. To (CB) Stop light relay
m. To (CB) Stop light switch

https://truckmanualshub.com/

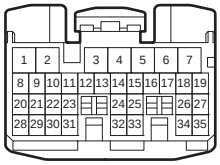
CONNECTORS FOR CIRCUIT "GA"

a114
IP-2, 5
82824-E0080



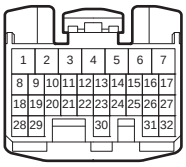
1 34P

a116
IP-2, 5
82824-E0090



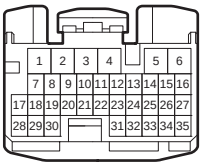
1 35P-1

a118
IP-2, 5
82824-E0070



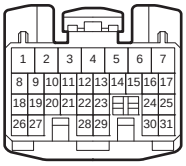
1 32P

a120
IP-1, 6
82824-E0100



1 35P-2

a122
IP-1, 6
82824-E0060



1 31P

ia1 ia2
ia3 ia4
EG-3
82580-7990



2, 3, 4, 5

ia1 ia2
ia3 ia4
ia5 ia6
EG-7, 15, 30, 31
82580-7990



6, 7, 8, 9, 10, 11

ec4
EG-3, 7, 15, 30, 31
82580-8260



12

ea1
EG-3, 7, 15, 30, 31
82560-1230



13

SHTS12Z160200091

https://truckmanualshub.com/

ea2
EG-3, 7, 15, 30, 31
82580-9960




14

eb3
EG-1, 2, 6, 12, 14, 23, 25
82580-8760




15

ec3
EG-3, 7, 15, 30
82580-7120




16

ec2
EG-3
82580-6630




17

ea3
EG-7, 15, 30, 31
82580-6630




18

ea8
EG-3, 7, 15
82580-8980




19

a36
IP-4, 8
82580-8960




21

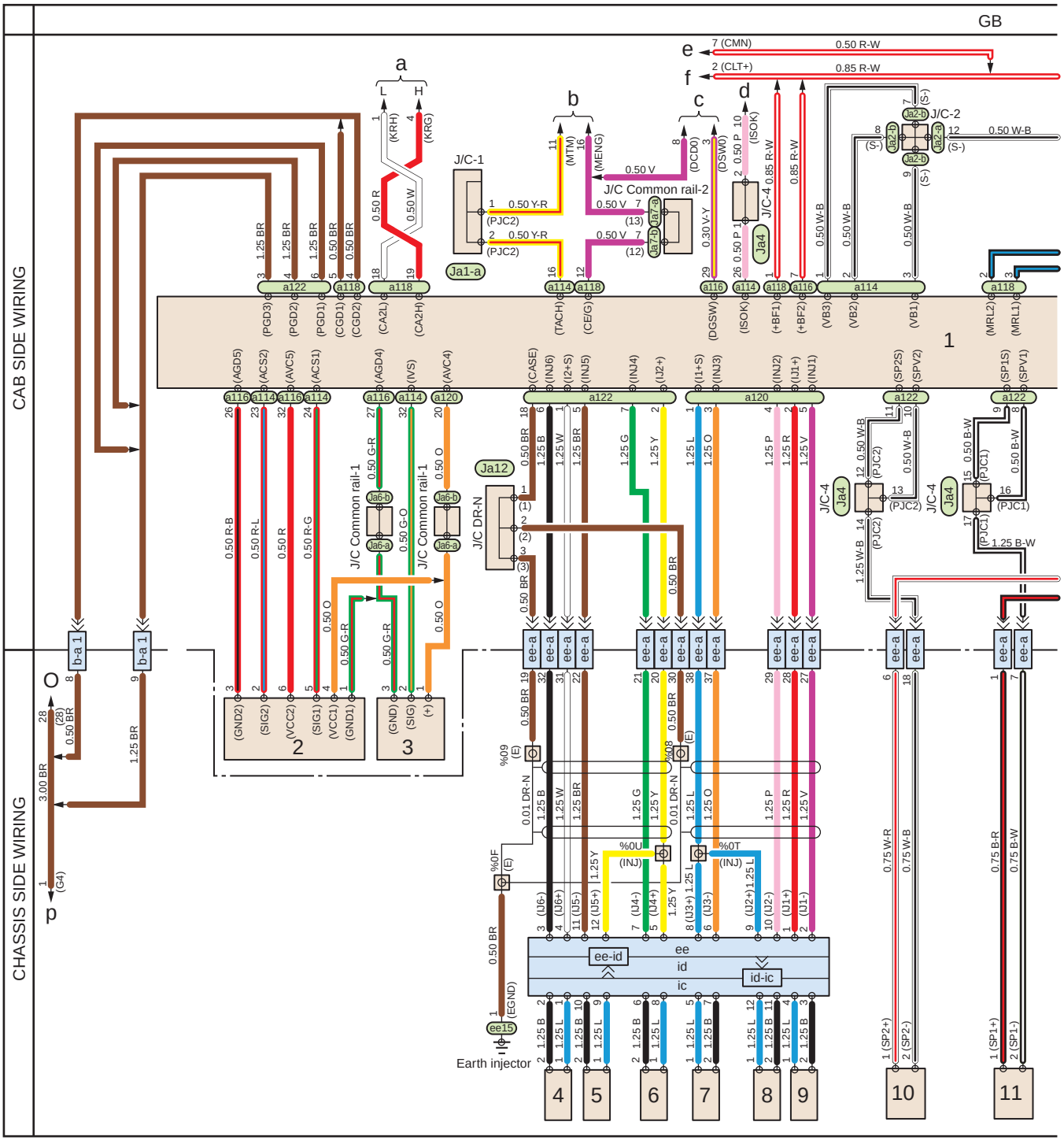
a35
IP-4, 8
82580-8660




22

SHTS12Z160200092

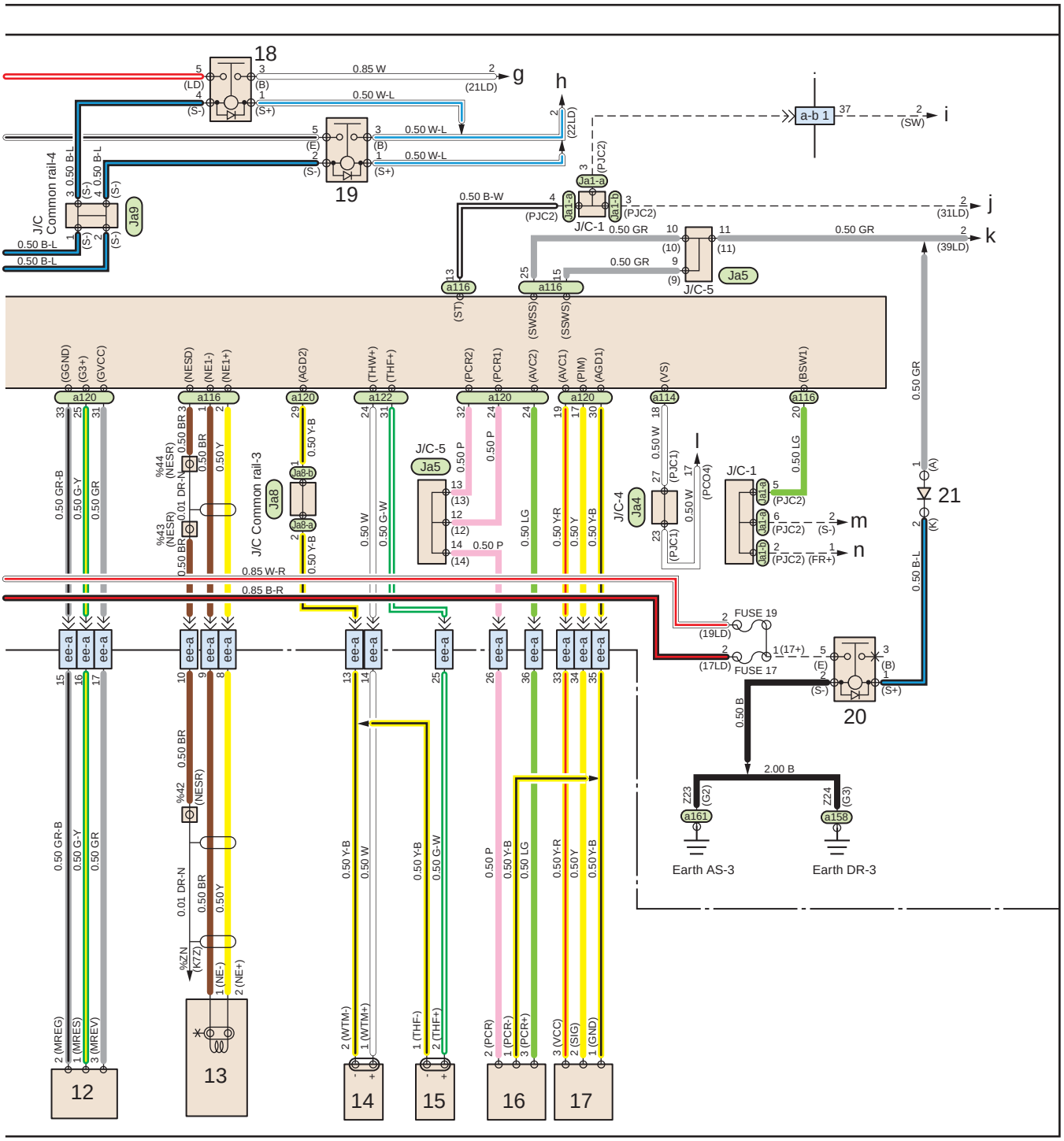
https://truckmanualshub.com/




**GB. [P11C ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR THAILAND)**

1. Engine ECU
2. Accelerator sensor
3. Idle volume
4. Fuel injector No.6
5. Fuel injector No.5
6. Fuel injector No.4
7. Fuel injector No.3
8. Fuel injector No.2
9. Fuel injector No.1
10. PCV 2
11. PCV 1
12. Engine speed main sensor
13. Engine speed sub sensor
14. Coolant temperature sensor
15. Fuel temperature sensor
16. Common rail pressure sensor
17. Boost pressure sensor
18. Actuator power relay
19. ECU main relay
20. PCV relay
21. PCV diode

https://truckmanualshub.com/

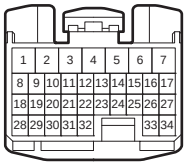



a. To (LC) J/C CAN
b. To (BA) Combination meter
c. To (LA) Diagnosis connector (White)
d. To (LB) Diagnosis connector (16 pin)
e. To (GI) Power mode switch
f. To (GF) Clutch switch
g. To (AA) Fuse 21
h. To (AA) Fuse 22
i. To (AD) Starter relay
j. To (AA) Fuse 31
k. To (AA) Fuse 39
l. To (BA) Combination meter
m. To (CB) Stop light relay
n. To (CB) Stop light switch
o. To (MA) J/C Earth G4-a
p. To (MA) Battery ground

https://truckmanualshub.com/

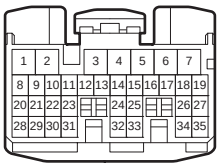
CONNECTORS FOR CIRCUIT "GB"

a114
IP-2
82824-E0080



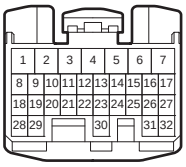

1 34P

a116
IP-2
82824-E0090



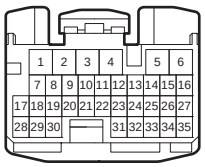

1 35P-1

a118
IP-2
82824-E0070



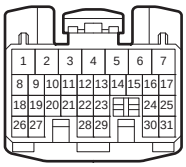

1 32P

a120
IP-1
82824-E0100




1 35P-2

a122
IP-1
82824-E0060




1 31P

a36
IP-4
82580-8960




2

a35
IP-4
82580-8660




3

ee13
EG-27
82580-8980




4

SHTS12Z160200095

https://truckmanualshub.com/

ic1 ic2 ic3 ic4 ic5 ic6
EG-32, 33
82580-9600



5, 6, 7, 8, 9, 10

ee3
EG-27
82580-8260



11

ee2
EG-27
82580-8260



12

ee7
EG-27
82580-9960



13

ee4
EG-27
82560-1230



14

ee9
EG-27
82580-8640



15

ee5
EG-27
82580-7120



16

ee6
EG-27
82580-6630



17

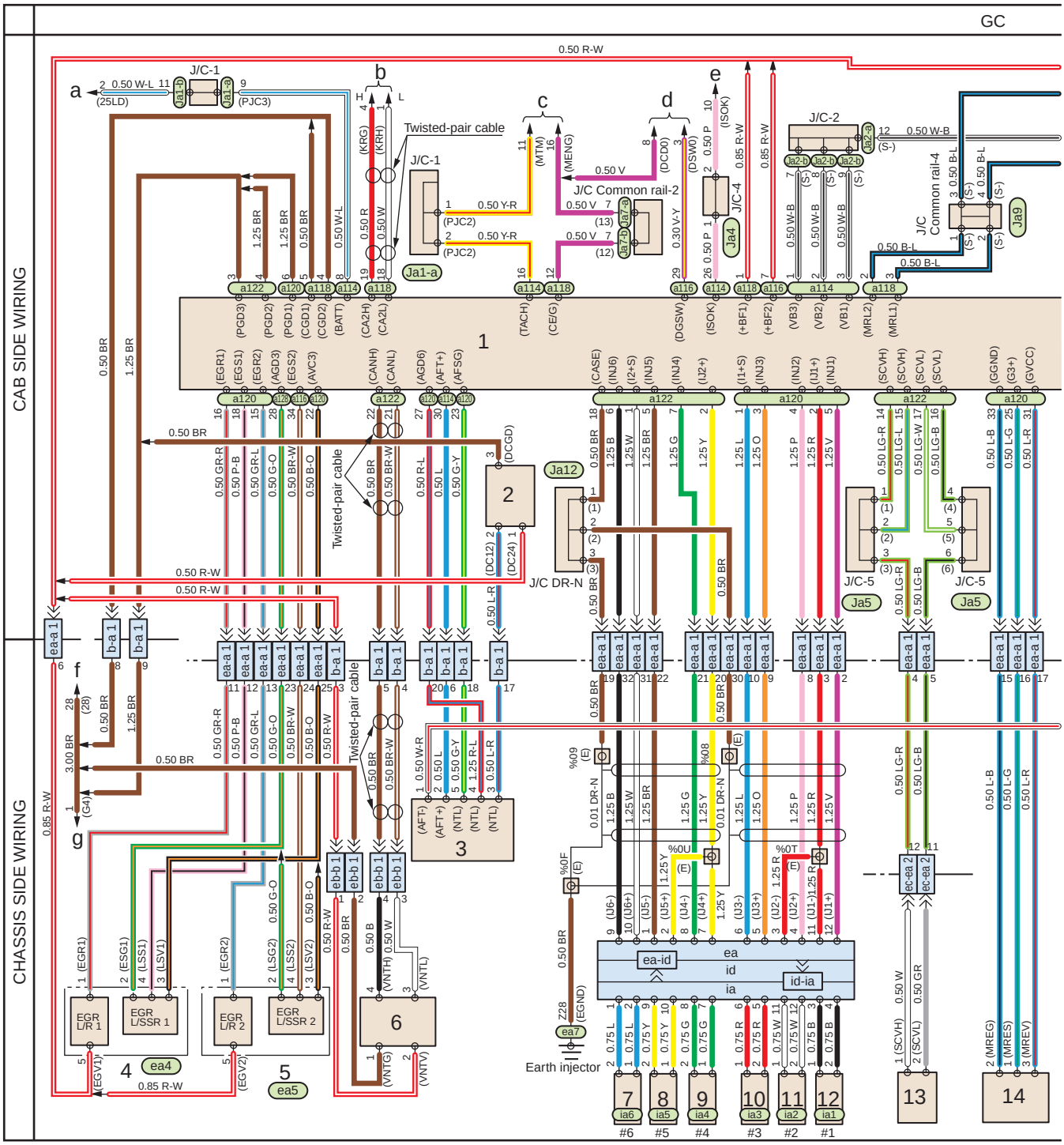
a169
IP-2
82560-3800



21

SHTS12Z160200096

https://truckmanualshub.com/

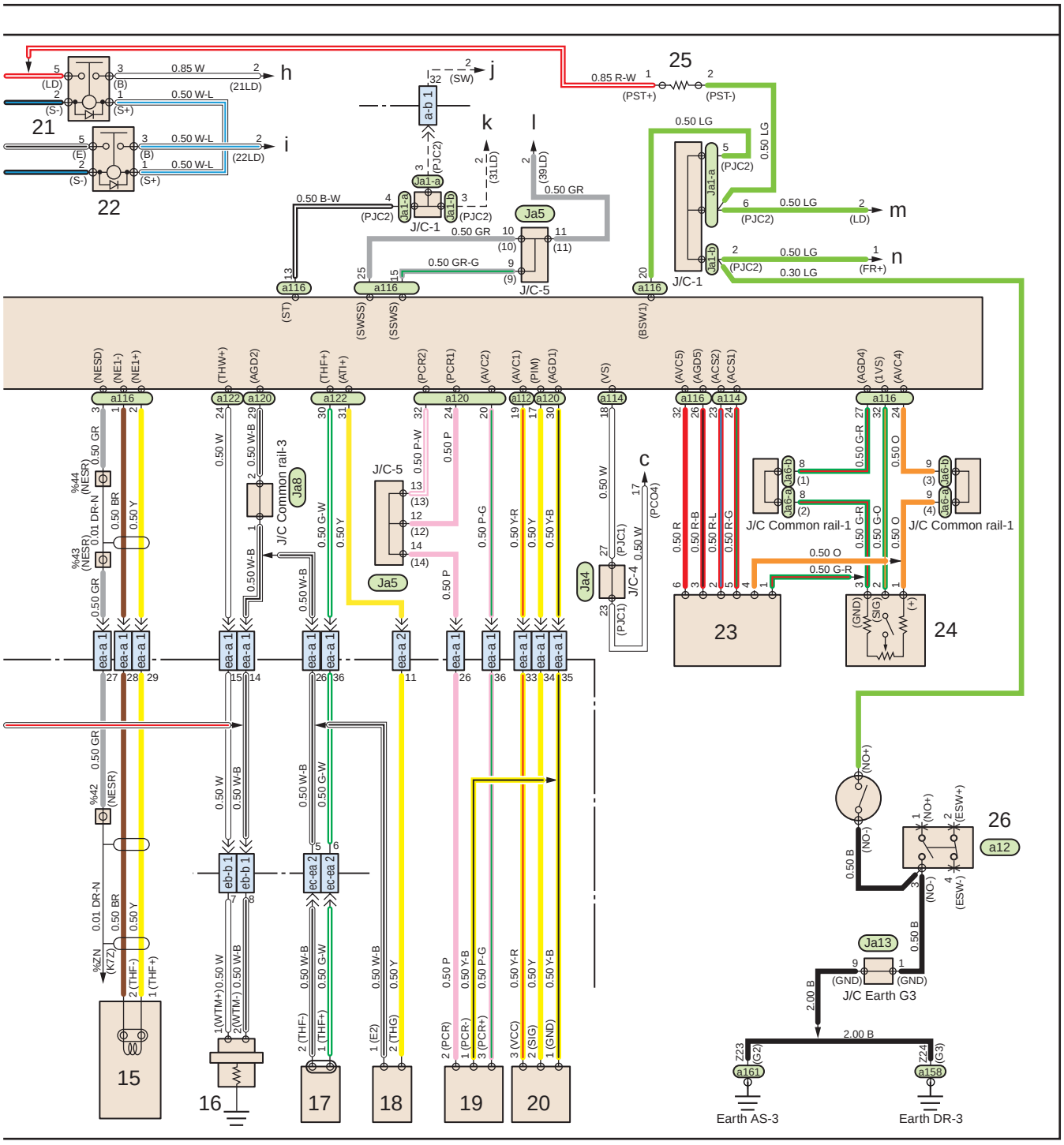



SHTS12Z160200097

**GC. [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR IRELAND, HONG KONG AND SINGAPORE)**

1. Engine ECU
2. DC/DC converter (Common rail)
3. Air flow sensor
4. EGR valve 1
5. EGR valve 2
6. VNT controller
7. Fuel injector No.6
8. Fuel injector No.5
9. Fuel injector No.4
10. Fuel injector No.3
11. Fuel injector No.2
12. Fuel injector No.1
13. SCV (Suction Control Valve)
14. Engine speed main sensor
15. Engine speed sub sensor
16. Coolant temperature sensor
17. Fuel temperature sensor
18. Intake manifold temperature sensor
19. Common rail pressure sensor
20. Boost pressure sensor
21. Actuator power relay
22. ECU main relay
23. Accelerator sensor
24. Idle volume
25. Resister
26. Stop light switch

https://truckmanualshub.com/



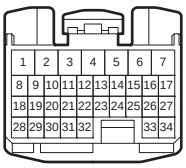

SHTS12Z160200098

a. To (AA) Fuse 25
b. To (LC) J/C CAN
c. To (BA) Combination meter
d. To (LA) Diagnosis connector (White)
e. To (LB) DLC4
f. To (MA) J/C Earth G4-a
g. To (MA) Battery ground
h. To (AA) Fuse 21
i. To (AA) Fuse 22
j. To (AD) Starter relay
k. To (AA) Fuse 31
l. To (AA) Fuse 39
m. To (CB) Hong Kong diode 2
n. To (CB) Stop light switch

https://truckmanualshub.com/

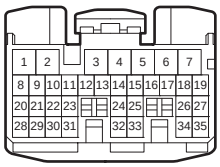
CONNECTORS FOR CIRCUIT "GC"

a114
IP-2
82824-E0080



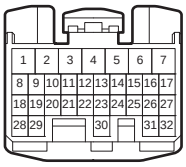
1 34P

a116
IP-2
82824-E0090



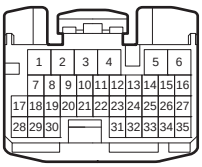
1 35P-1

a118
IP-2
82824-E0070



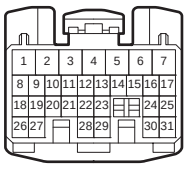
1 32P

a120
IP-1
82824-E0100



1 35P-2

a122
IP-1
82824-E0060



1 31P

a129
IP-2
82560-3290



2

b88
EG-7, 12
82560-2490



3

ea4
ea5
EG-7, 15
82560-2490



4, 5

eb6
EG-5, 12
82580-8490



6

ia1 ia2
ia3 ia4
ia5 ia6
EG-7, 15
82580-7990



7, 8, 9, 10, 11, 12

SHTS12Z160200099

https://truckmanualshub.com/

ec4
EG-7, 15
82580-8260


13

ea1
EG-7, 15
82560-1230


14

ea2
EG-7, 15
82580-9960


15

eb3
EG-5, 12
82580-8760


16

ec3
EG-7, 15
82580-7120


17

ea9
EG-7, 15
82580-7800


18

ea3
EG-7, 15
82580-6630


19

ea8
EG-7, 15
82580-8980


20

a36
IP-4
82580-8960


23

a35
IP-4
82580-8660


24

a179
IP-2
82560-2990

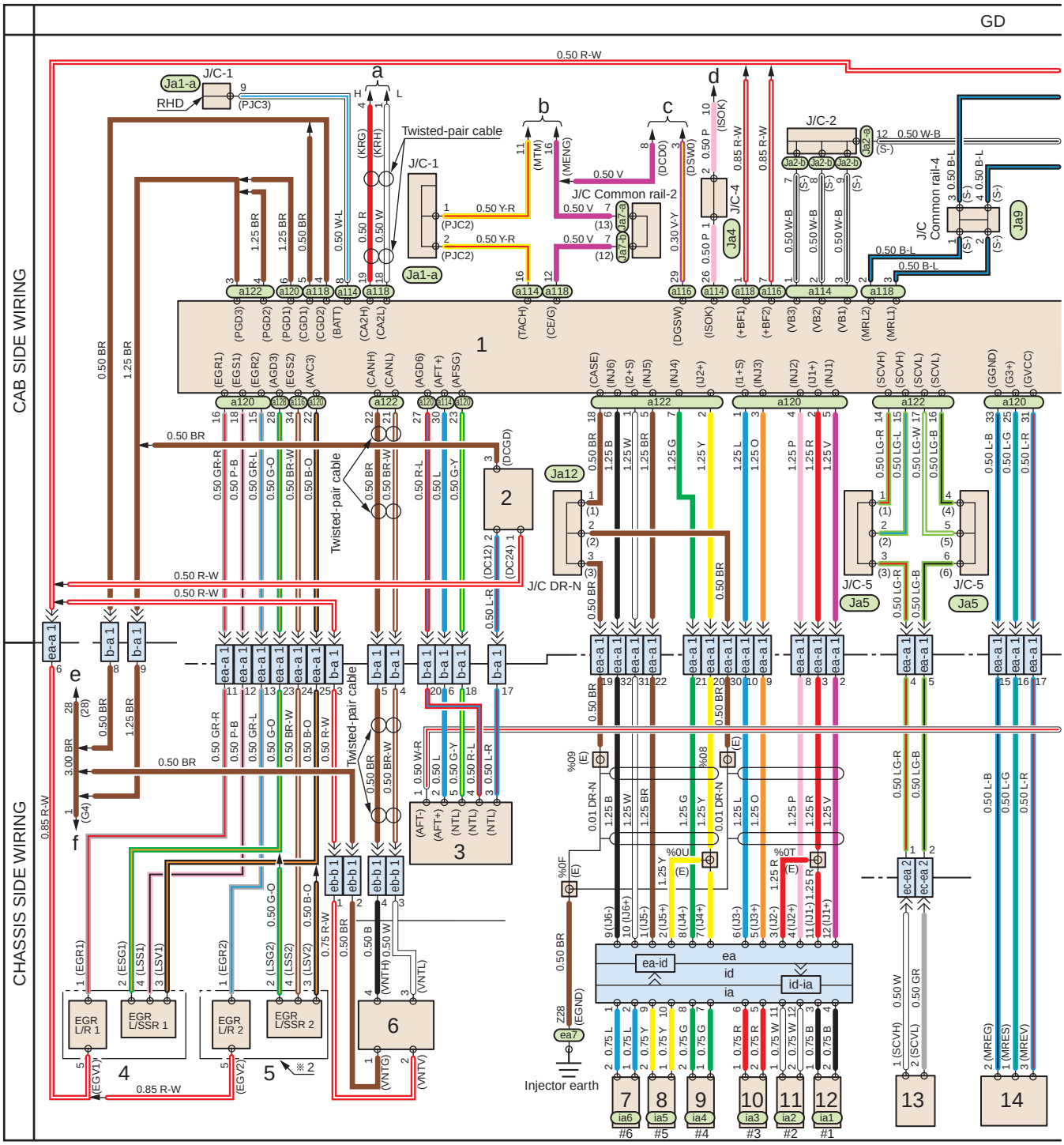

25

a12
IP-4
82560-3030


26

SHTS12Z160200100

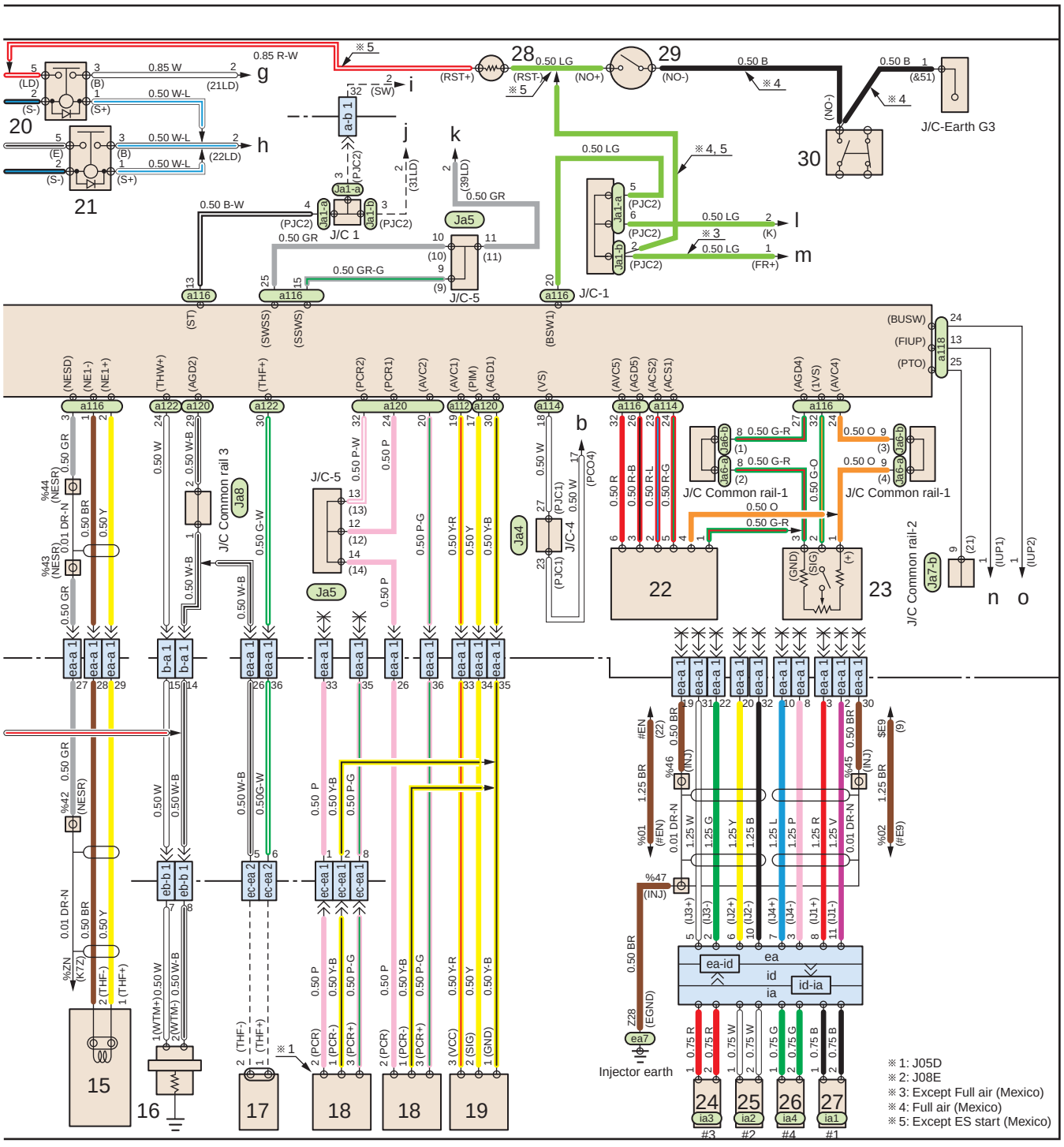
https://truckmanualshub.com/




**GD. [J SERIES ENGINE] COMMON RAIL CIRCUIT No.1 (MODELS FOR AUSTRALIA, NEW ZEALAND, TAIWAN, MEXICO AND INDIA)**

1. Engine ECU
2. DC/DC converter (Common rail)
3. Air flow sensor
4. EGR valve 1
5. EGR valve 2
6. VNT controller
7. Fuel injector No.6 (6 cylinder)
8. Fuel injector No.5 (6 cylinder)
9. Fuel injector No.4 (6 cylinder)
10. Fuel injector No.3 (6 cylinder)
11. Fuel injector No.2 (6 cylinder)
12. Fuel injector No.1 (6 cylinder)
13. SCV (Suction Control Valve)
14. Engine speed sub sensor
15. Engine speed main sensor
16. Coolant temperature sensor
17. Fuel temperature sensor
18. Common rail pressure sensor
19. Boost pressure sensor
20. Actuator power relay
21. ECU main relay
22. Accelerator sensor
23. Idle volume
24. Fuel injector No.4 (4 cylinder)
25. Fuel injector No.3 (4 cylinder)
26. Fuel injector No.2 (4 cylinder)

https://truckmanualshub.com/



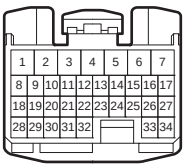

SHTS12Z160200102

27. Fuel injector No.1 (4 cylinder)
28. Resister
29. Brake switch
30. Stop light switch
a. To (LC) J/C CAN
b. To (BA) Combination meter
c. To (LA) Diagnosis connector (White)
d. To (LB) Diagnosis connector (16 pin)
e. To (MA) J/C Earth G4-a
f. To (MA) Battery ground
g. To (AA) Fuse 21
h. To (AA) Fuse 22
i. To (AD) Starter relay
j. To (AA) Fuse 31
k. To (AA) Fuse 39
l. To (CB) Stop light relay
m. To (CB) Stop light switch
n. To (GL) Idle up 1
o. To (GL) Idle up 2

https://truckmanualshub.com/

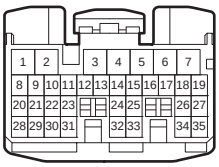
CONNECTORS FOR CIRCUIT "GD"

a114
IP-2, 5
82824-E0080



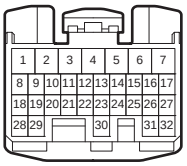
1 34P

a116
IP-2, 5
82824-E0090



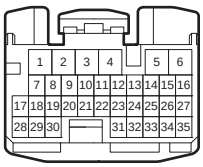
1 35P-1

a118
IP-2, 5
82824-E0070



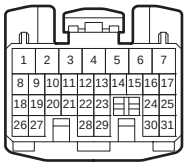
1 32P

a120
IP-1, 6
82824-E0100



1 35P-2

a122
IP-1, 6
82824-E0060



1 31P

a129
IP-2, 5
82560-3290



2

b88
EG-3, 7, 10, 12, 14, 20, 29, 30, 42
82560-2490



3

ea4
EG-3, 7, 10, 15, 16, 20, 29, 30, 43
82560-2490



4

ea5
EG-7, 10, 15, 16
20, 29, 30, 43
82560-2490



5

eb6
EG-1, 2, 5, 6, 9, 12
14, 19, 23, 42
82580-8490



6

ia1 ia2
ia3 ia4
ia5 ia6
EG-7, 10, 15, 16
20, 29, 30, 43
82580-7990



7, 8, 9, 10, 11, 12

ec4
EG-3, 7, 10, 15, 16
20, 29, 30, 43
82580-8260



13

SHTS12Z160200103

https://truckmanualshub.com/

ea1
EG-3, 7, 10, 15, 16
20, 29, 30, 43
82560-1230



14

ea2
EG-3, 7, 10, 15, 16
20, 29, 30, 43
82580-9960



15

eb3
EG-1, 2, 5, 6, 9, 12
14, 19, 23, 42
82580-8760



16

ec3
EG-3, 7, 10, 15, 16
20, 29, 30, 43
82580-7120



17

※1
ec2
EG-3
82580-6630



18

※2
ea3
EG-7, 10, 15, 16
20, 29, 30, 43
82580-6630



18

ea8
EG-3, 7, 10, 15, 16
20, 29, 30, 43
82580-8980



19

a36
IP-4, 8
82580-8960



22

a35
IP-4, 8
82580-8660



23

ia1 ia2
ia3 ia4
EG-3
82580-7990



24, 25, 26, 27

a179
IP-5
82560-2990



28

a180
CA-2
82580-6820



29

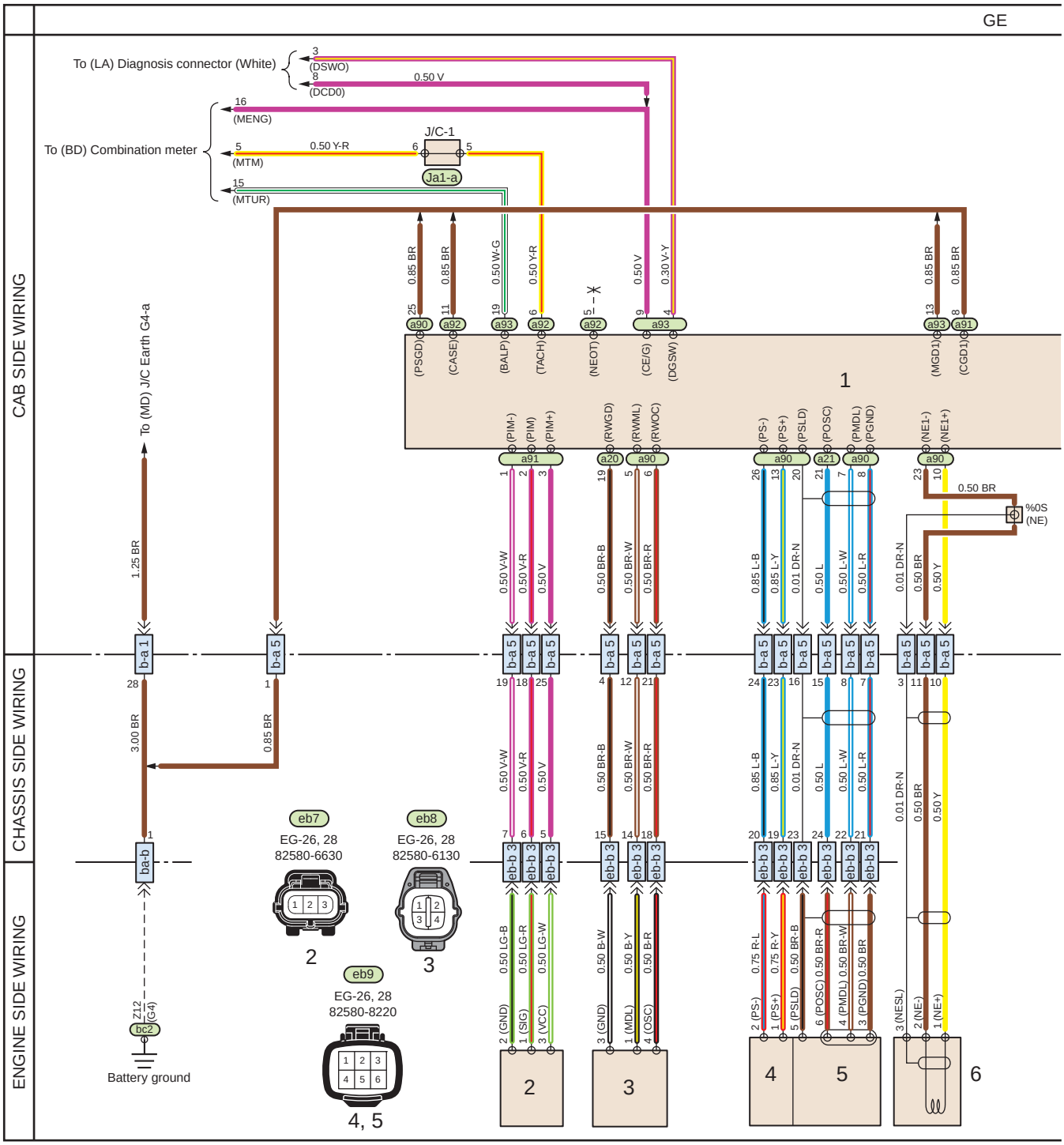
a181
IP-8
82560-3030



30

SHTS12Z160200104

https://truckmanualshub.com/

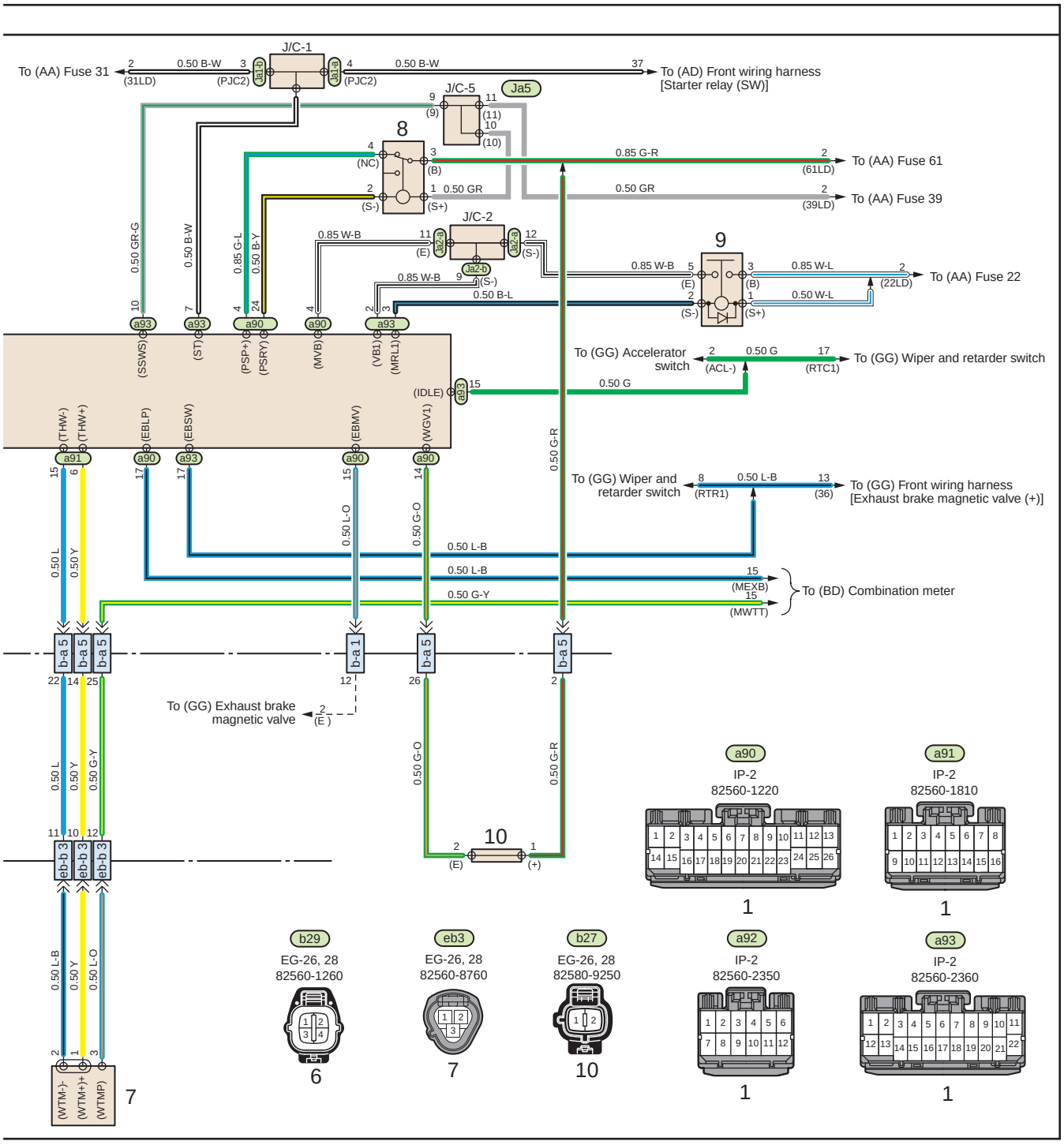



SHTS12Z160200105

**GE. TICS CIRCUIT**

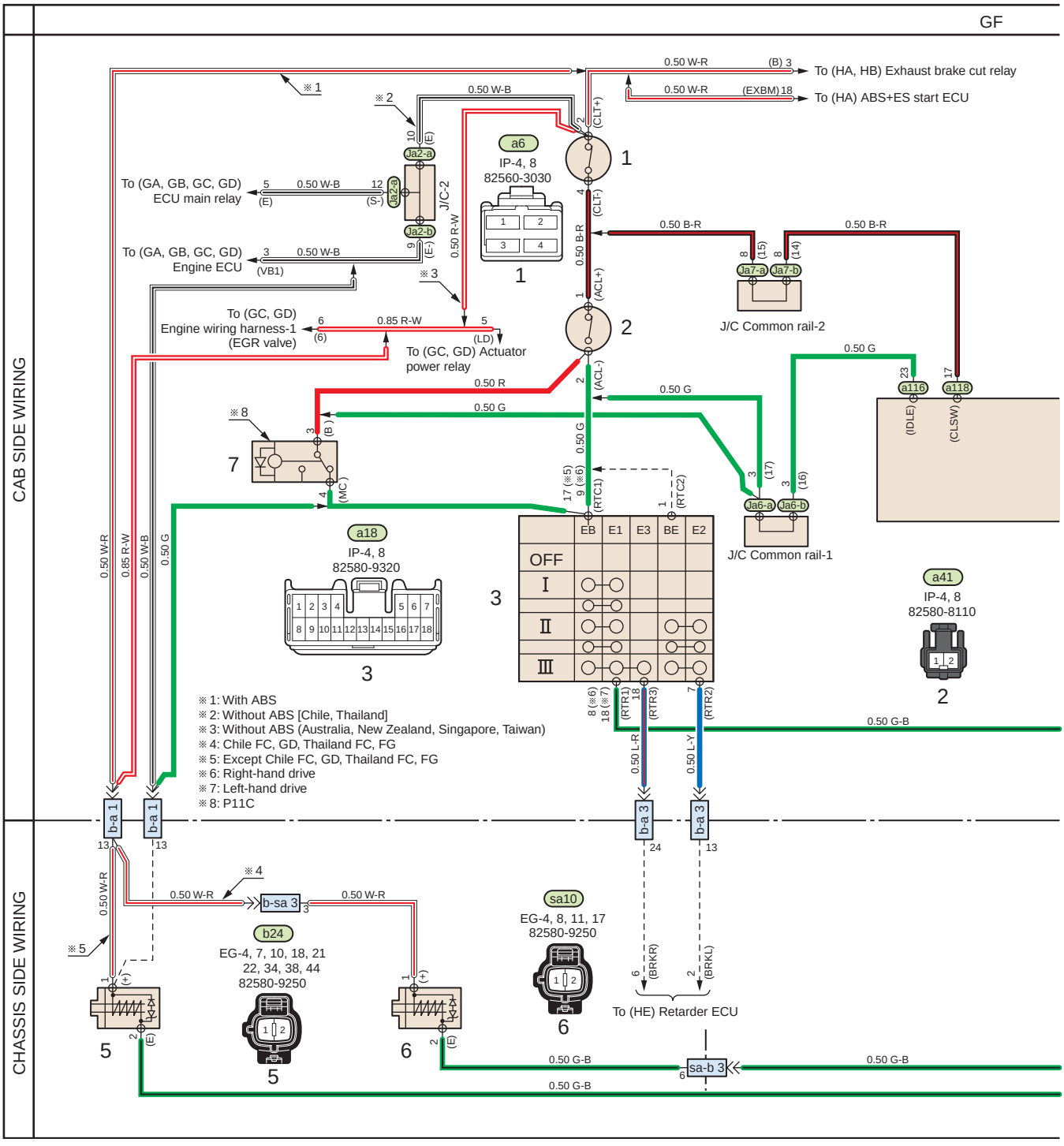
1. TICS ECU
2. Boost pressure sensor
3. Rack sensor
4. Pre-stroke actuator
5. Pre-stroke sensor
6. Engine speed sensor
7. Coolant temperature sensor
8. Actuator power relay
9. ECU main relay
10. Waste gate magnetic valve

https://truckmanualshub.com/




SHTS12Z160200106

https://truckmanualshub.com/

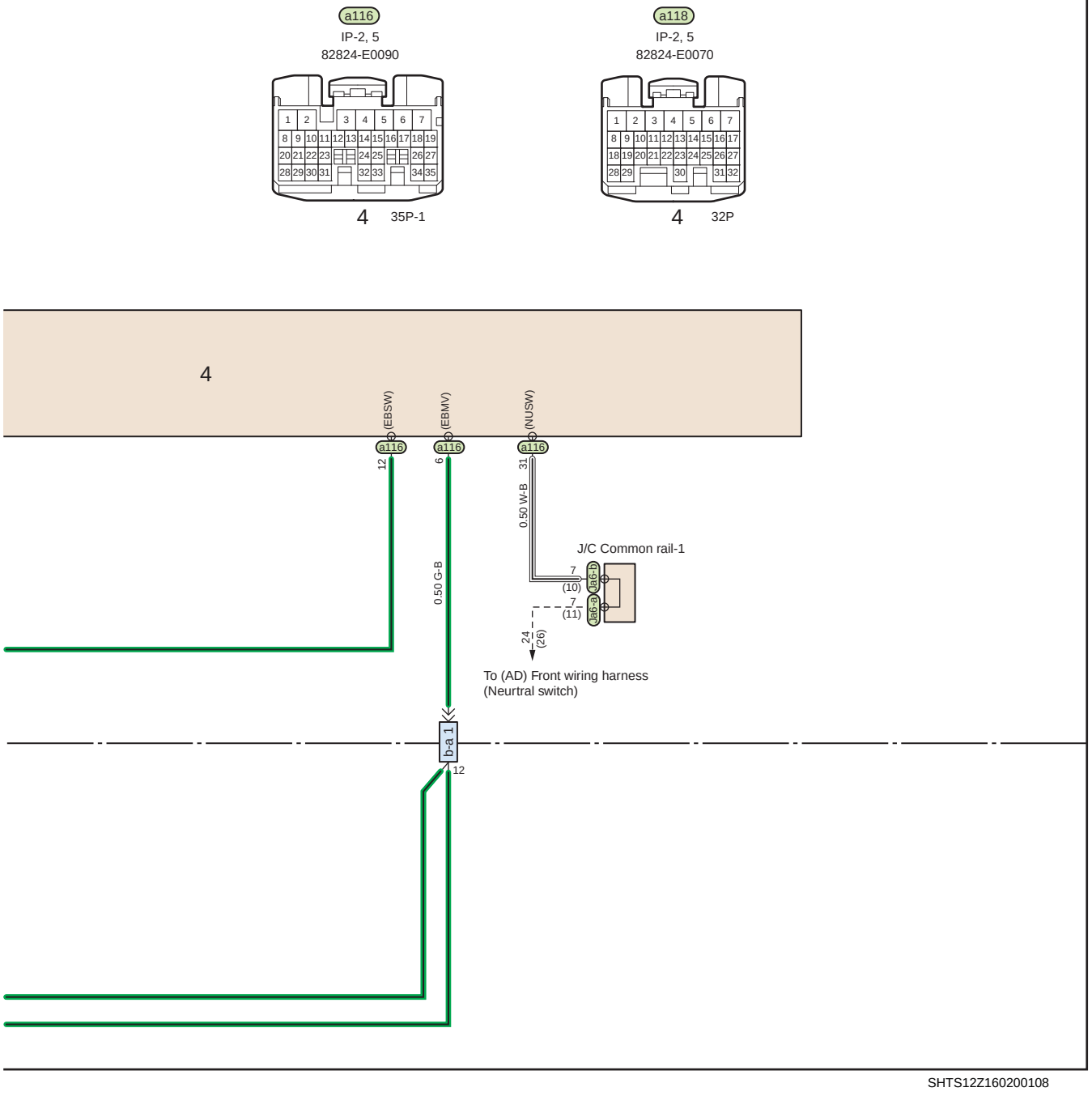



SHTS12Z160200107

**GF. COMMON RAIL CIRCUIT No.2 [EXHAUST BRAKE (MODELS WITH MANUAL TRANSMISSION)]**

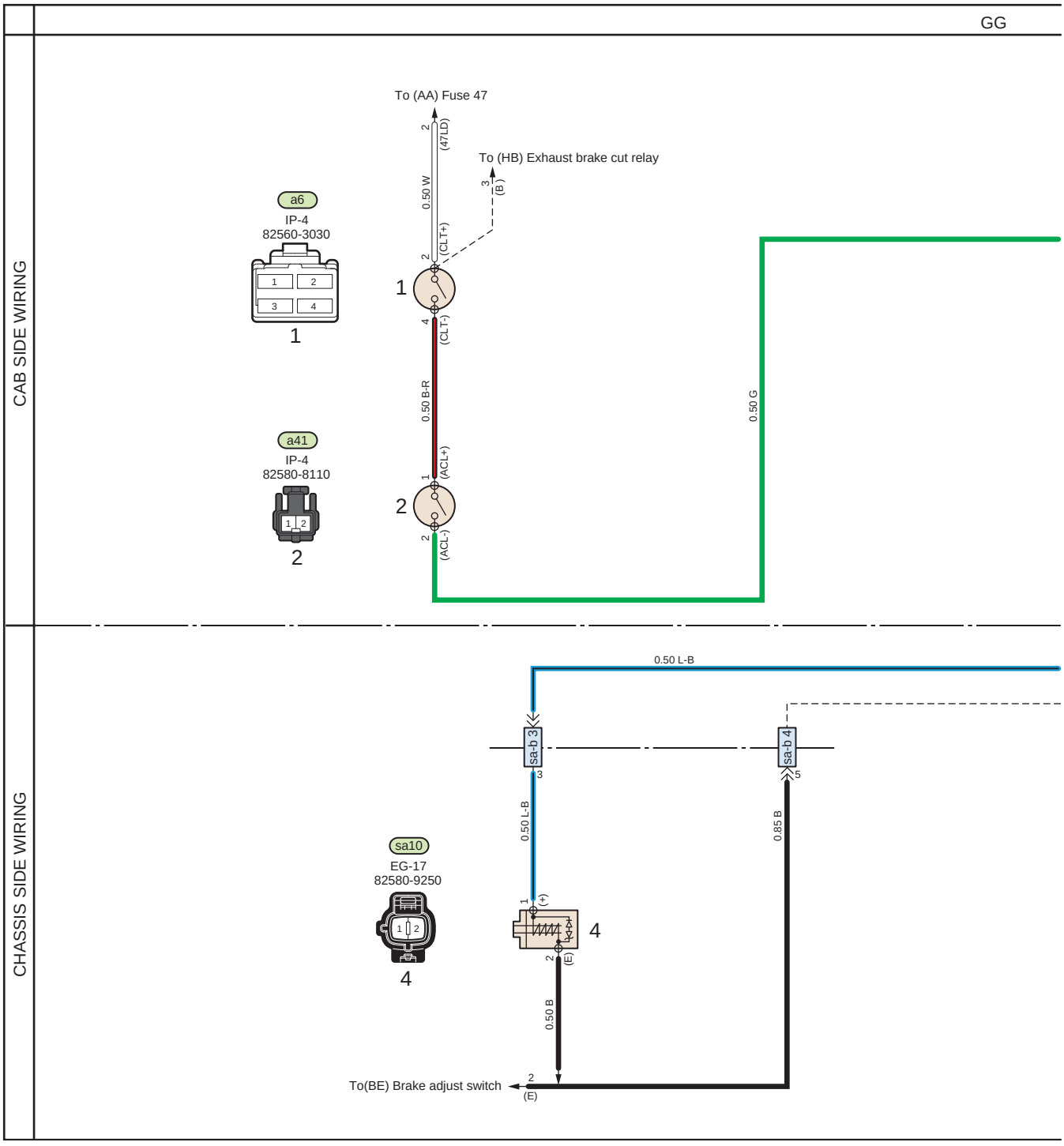
1. Clutch switch
2. Accelerator switch
3. Wiper and retarder switch
4. Engine ECU
5. Exhaust brake magnetic valve (On front W/H)
6. Exhaust brake magnetic valve (On air tank W/H)
7. Exhaust brake cut relay

https://truckmanualshub.com/




SHTS12Z160200108

https://truckmanualshub.com/

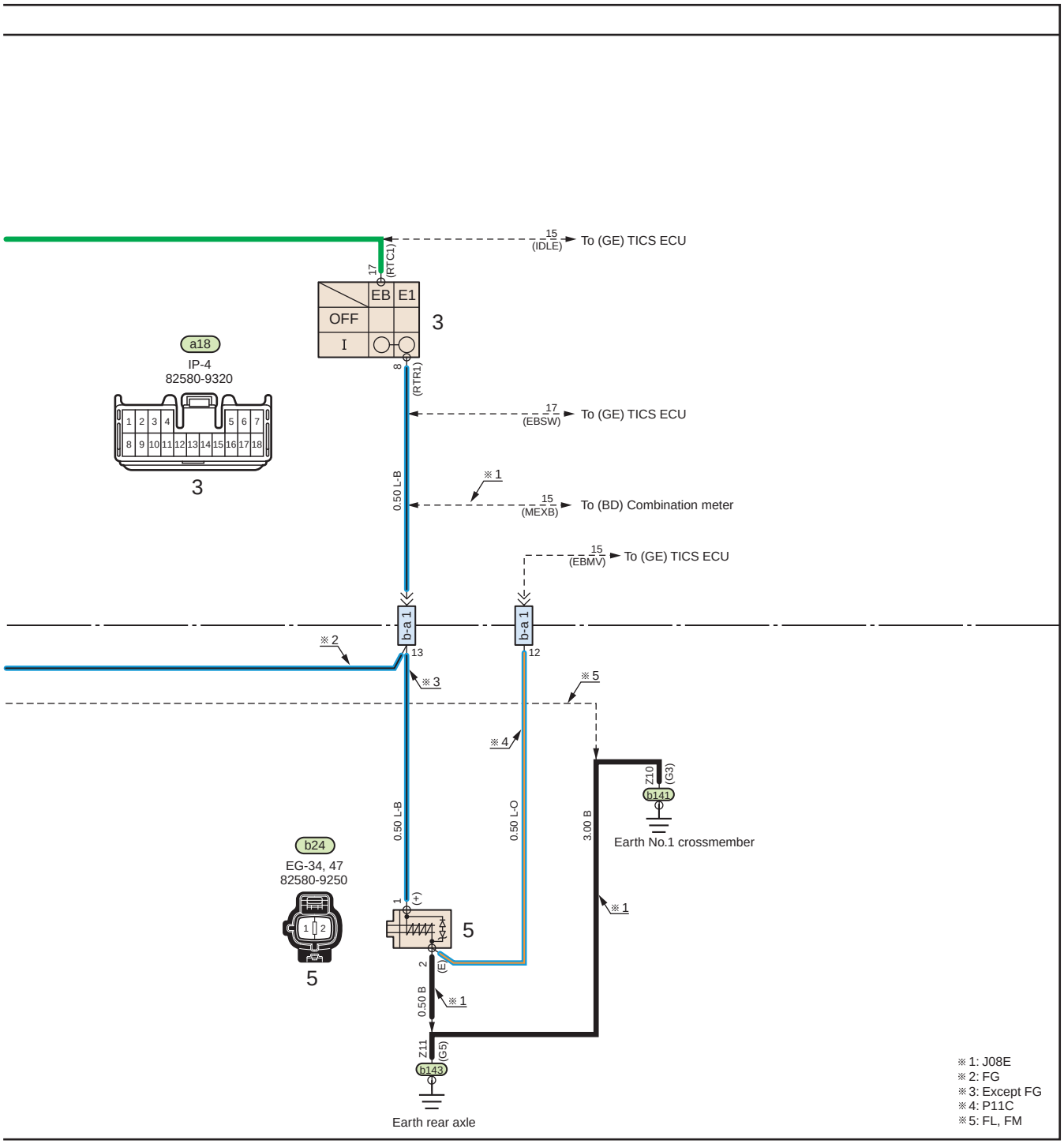



SHTS12Z160200109

**GG. EXHAUST BRAKE CIRCUIT (MODELS FOR INDONESIA)**

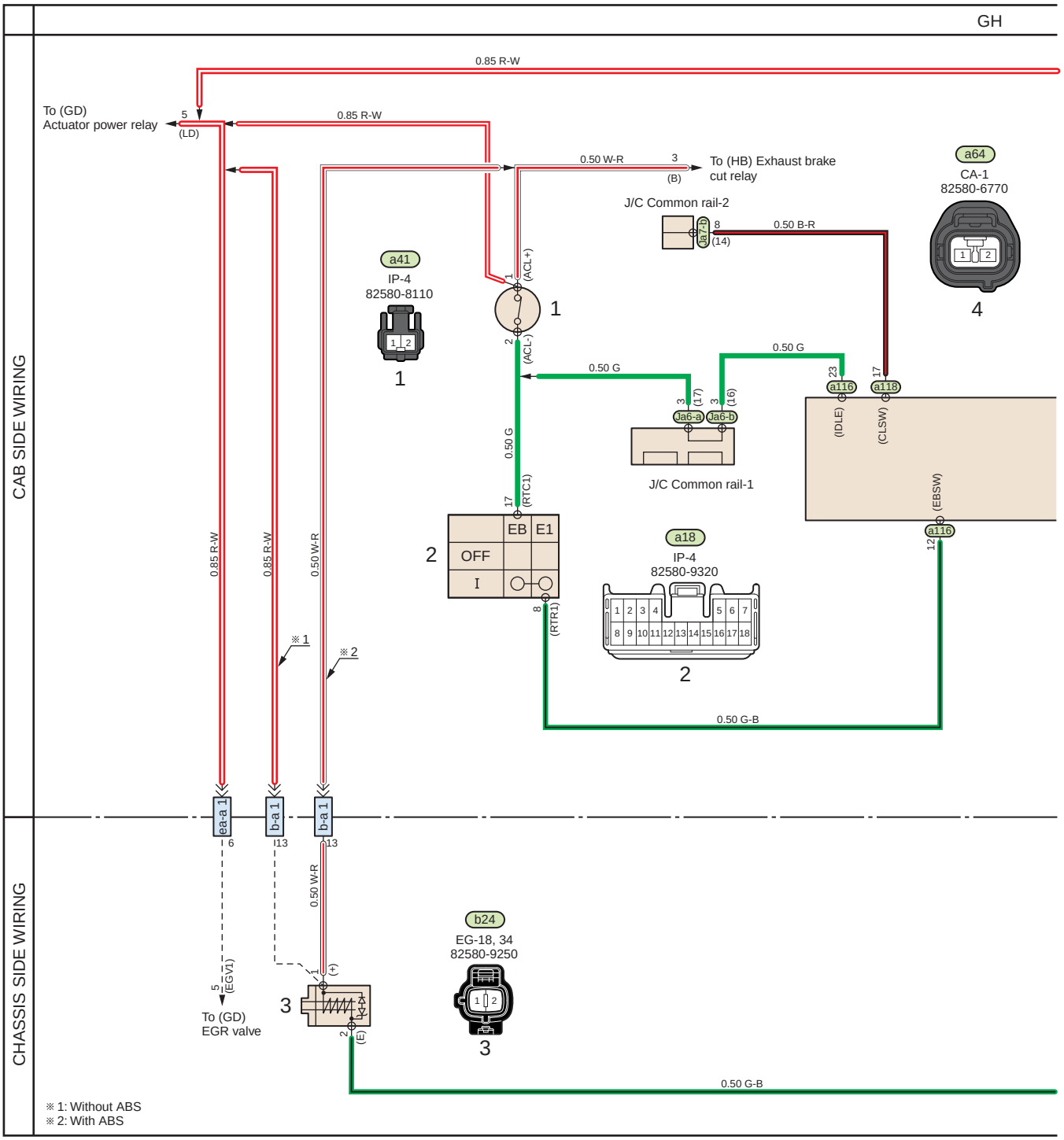
1. Clutch switch
2. Accelerator switch
3. Wiper and retarder switch
4. Exhaust brake magnetic valve (On air tank W/H)
5. Exhaust brake magnetic valve (On front W/H)

https://truckmanualshub.com/




SHTS12Z160200110

https://truckmanualshub.com/

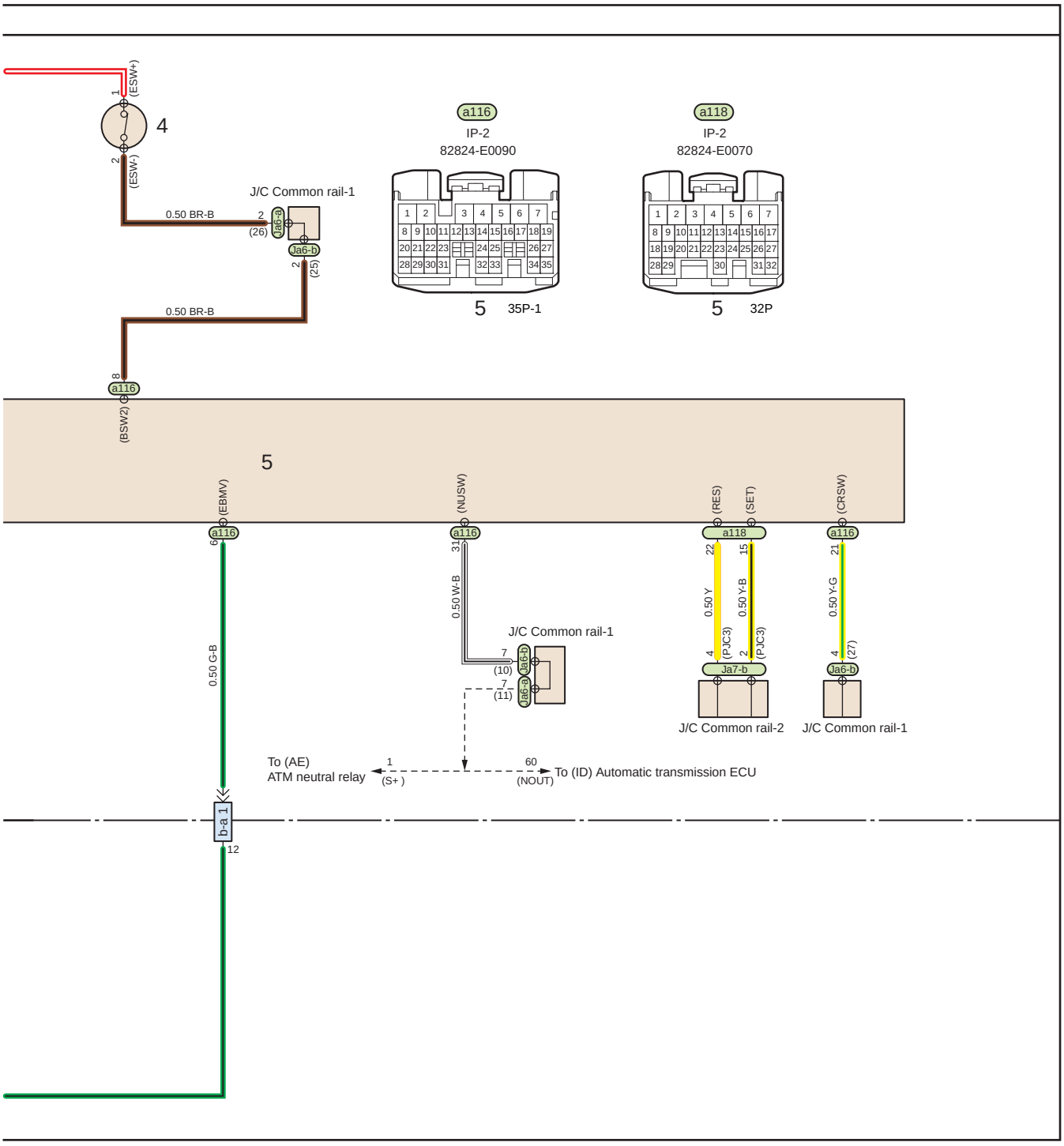



SHTS12Z160200111

**GH. [J SERIES ENGINE] COMMON RAIL CIRCUIT No.2 [EXHAUST BRAKE (MODELS WITH AUTOMATIC TRANSMISSION)]**

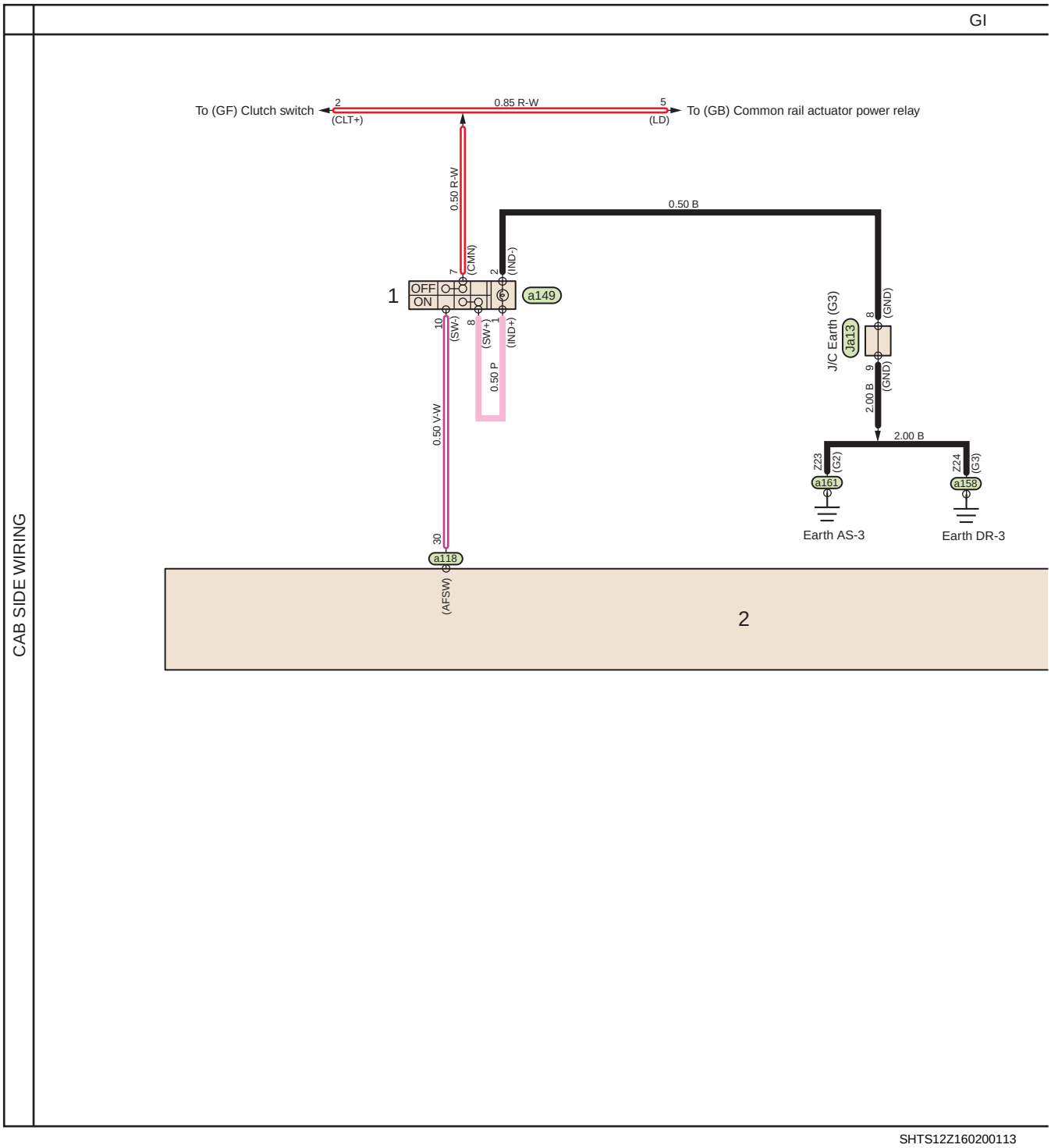
1. Accelerator switch
2. Wiper and retarder switch
3. Exhaust brake magnetic valve
4. Brake switch
5. Engine ECU

https://truckmanualshub.com/




SHTS12Z160200112

https://truckmanualshub.com/




SHTS12Z160200113

**GI. [P11C ENGINE] COMMON RAIL CIRCUIT No.2 (MODELS FOR THAILAND)**

1. Power mode switch
2. Engine ECU

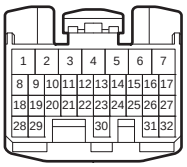
https://truckmanualshub.com/

a149
IP-3
82580-7210




1

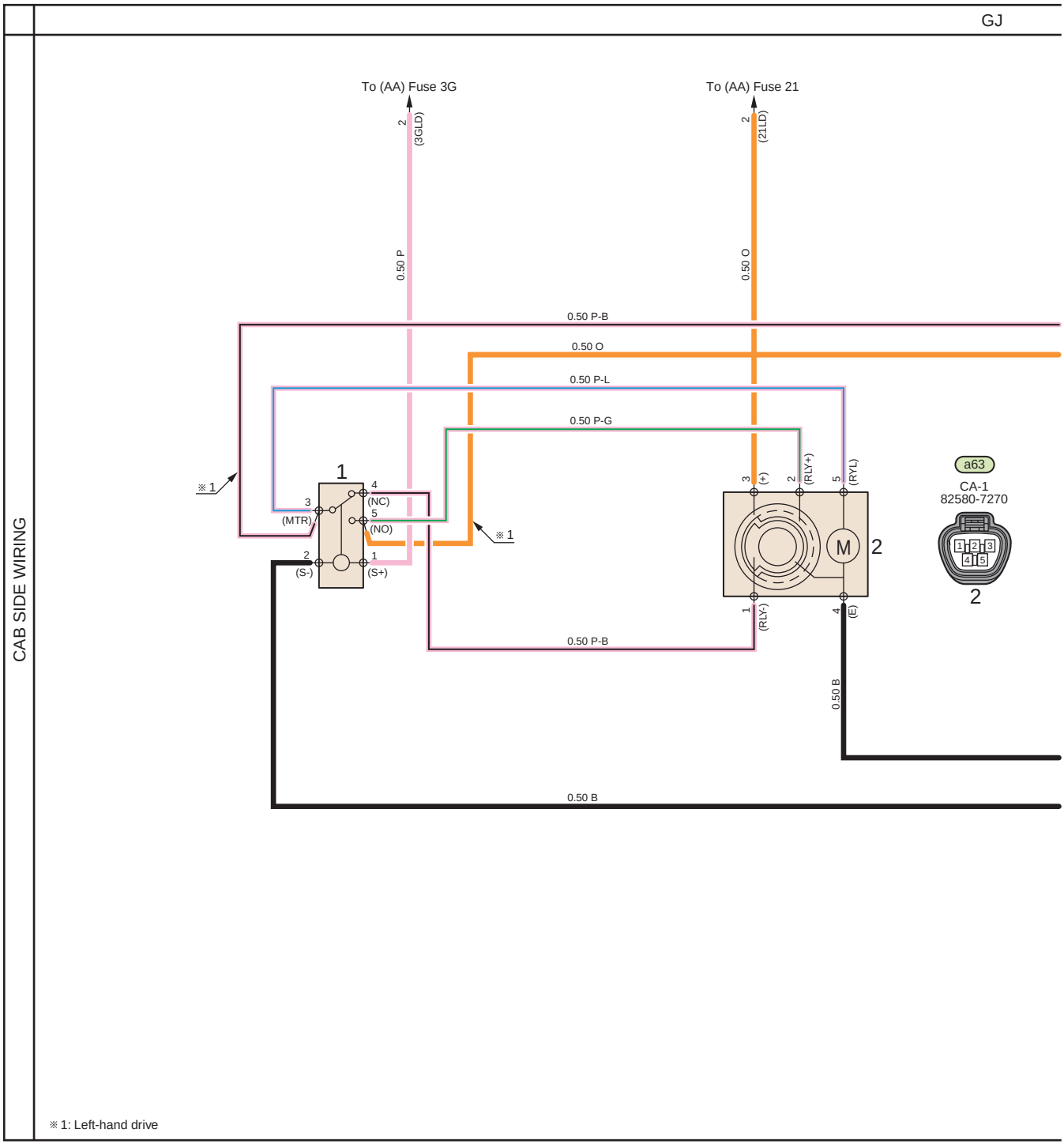
a118
IP-2
82824-E0070




2 32P

SHTS12Z160200114

https://truckmanualshub.com/

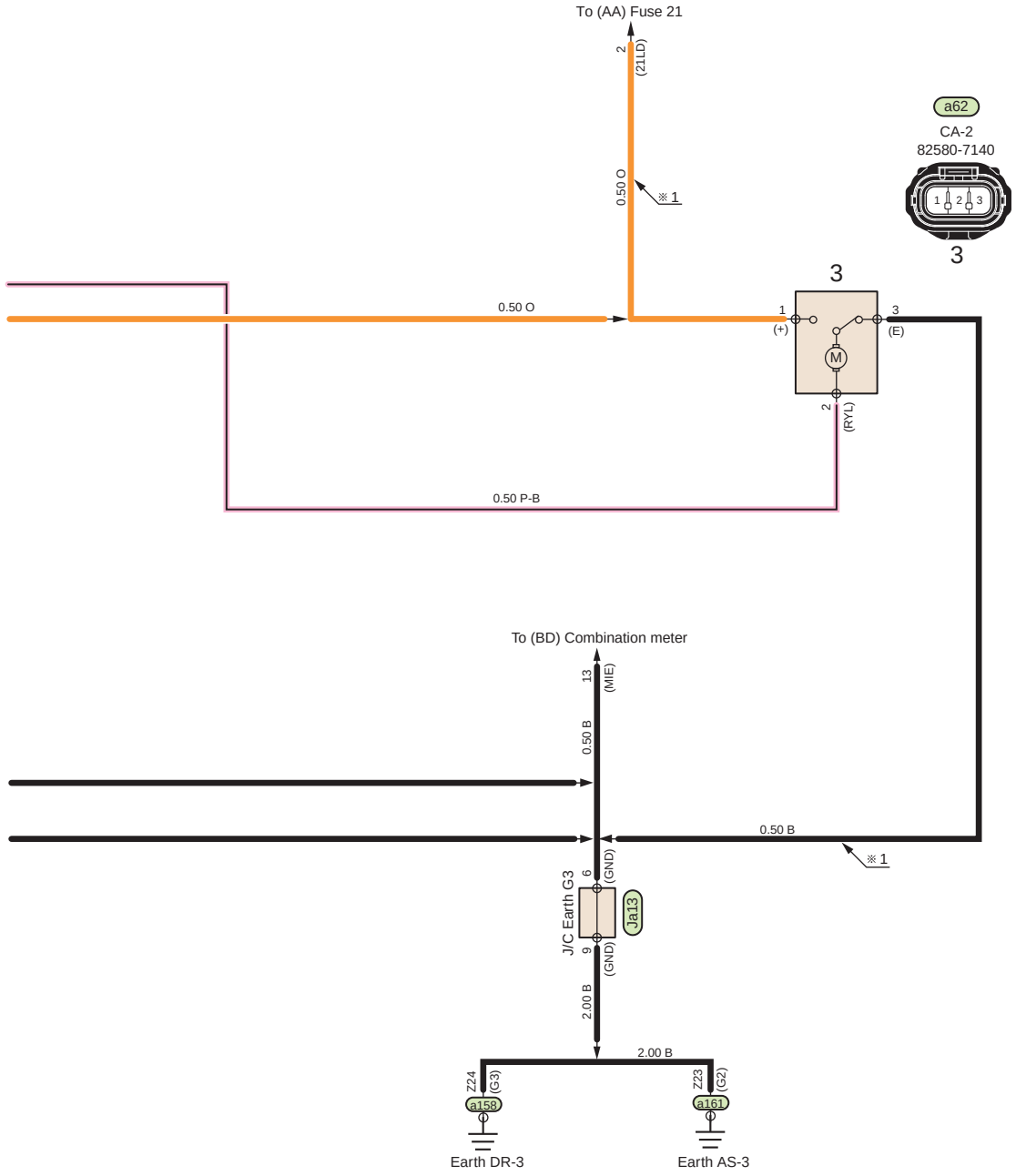



SHTS12Z160200115

**GJ. ENGINE STOP CIRCUIT**

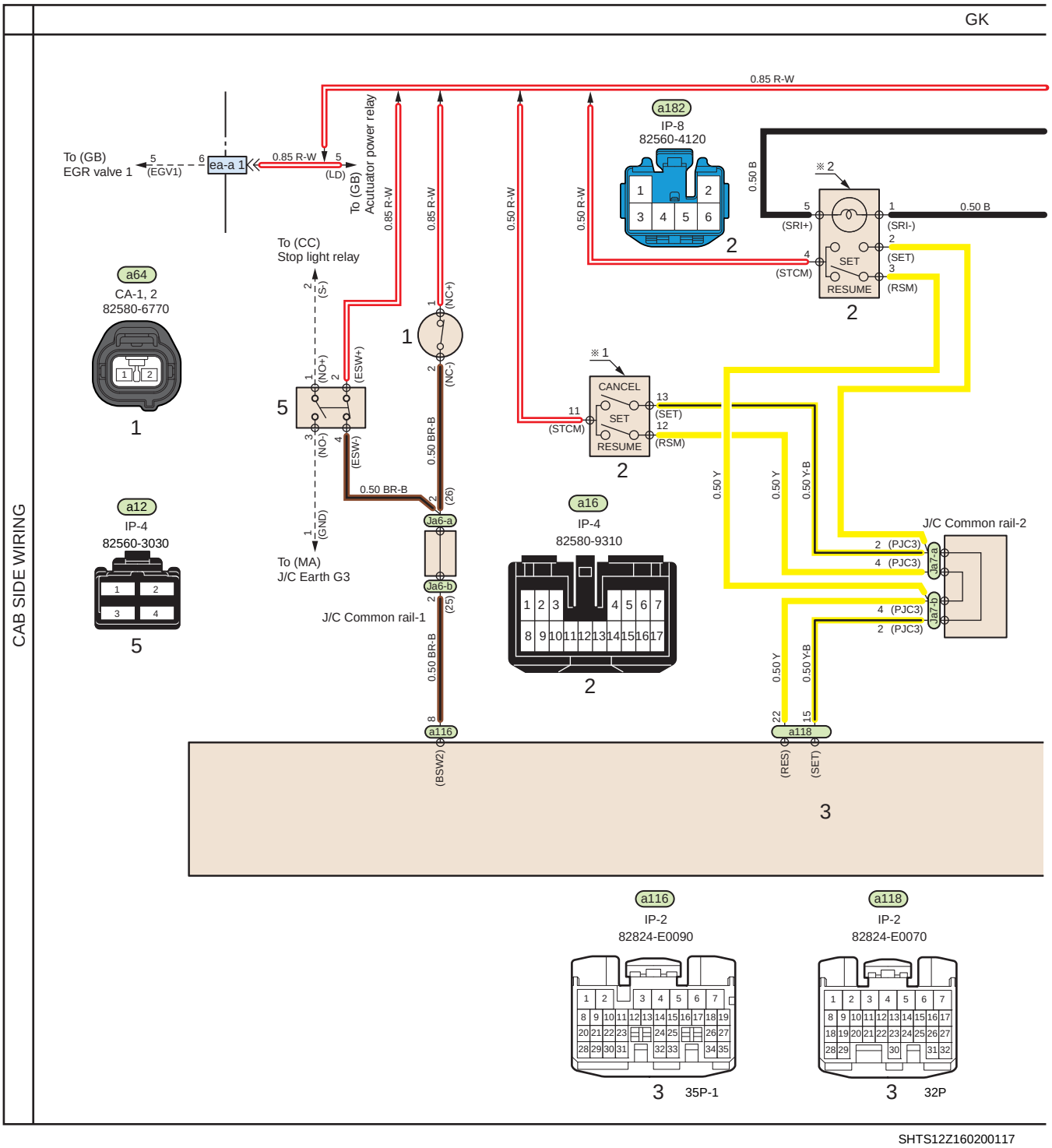
1. Engine stop motor relay
2. Engine stop motor
3. Engine stop motor (Left-hand drive)

https://truckmanualshub.com/




SHTS12Z160200116

https://truckmanualshub.com/

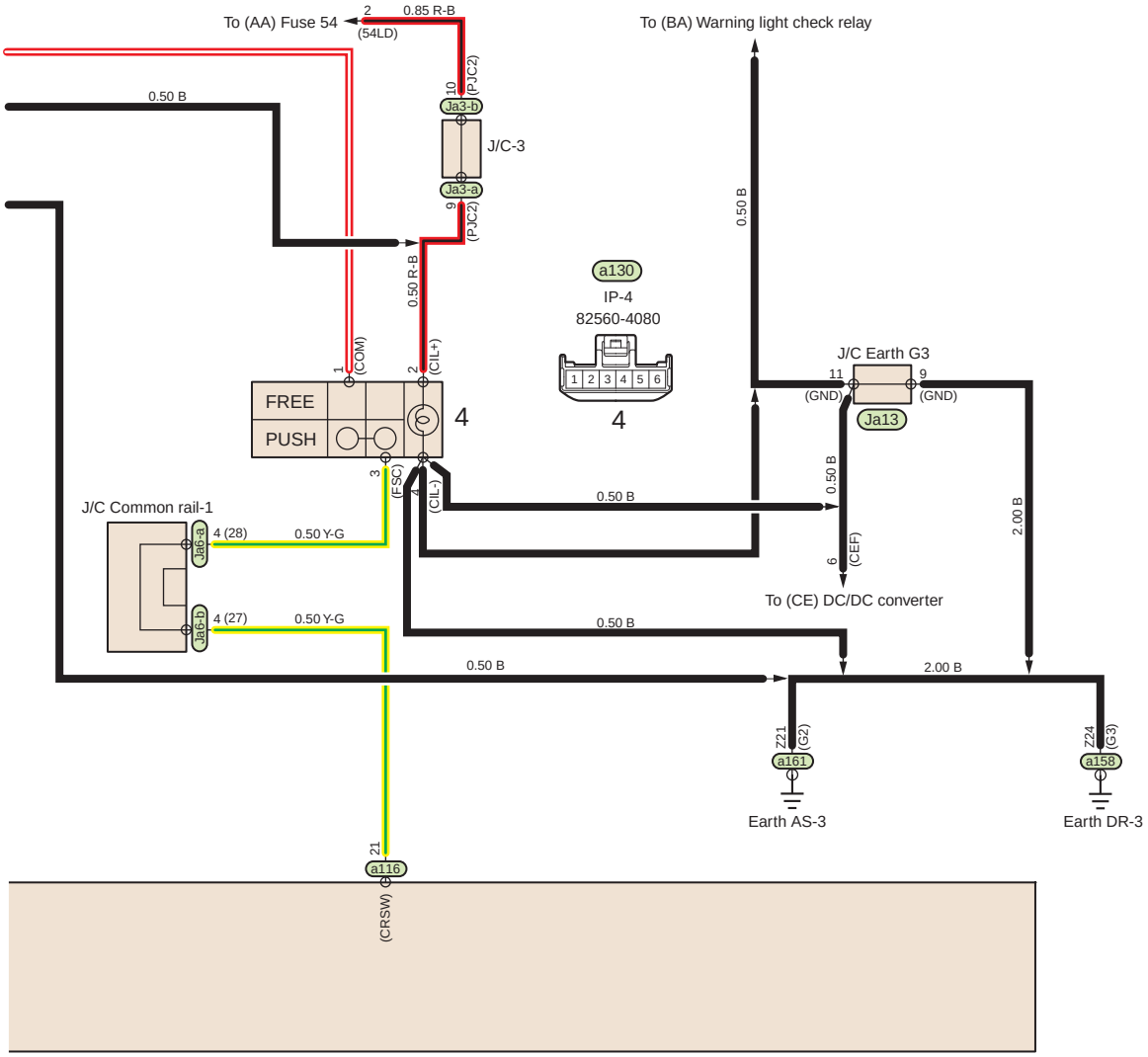



SHTS12Z160200117

**GK. [J SERIES ENGINE] COMMON RAIL CIRCUIT No.3 (FS CRUISE)**

1. Brake switch
2. Cruise set and resume switch (Light and turn switch)
3. Engine ECU
4. Cruise main switch
5. Stop light switch

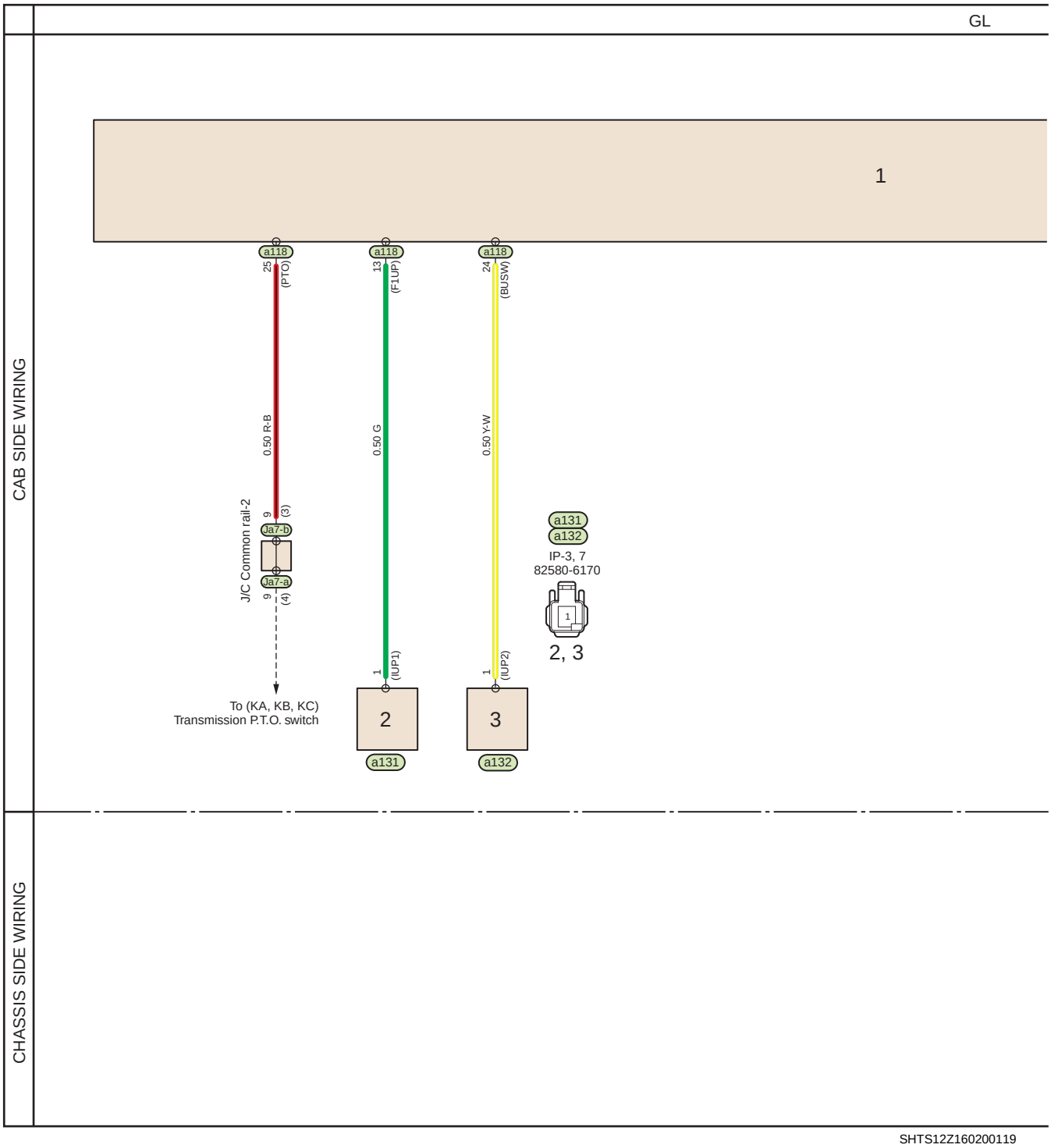
https://truckmanualshub.com/




※1: Except Mexico
※2: Mexico only

SHTS12Z160200118

https://truckmanualshub.com/

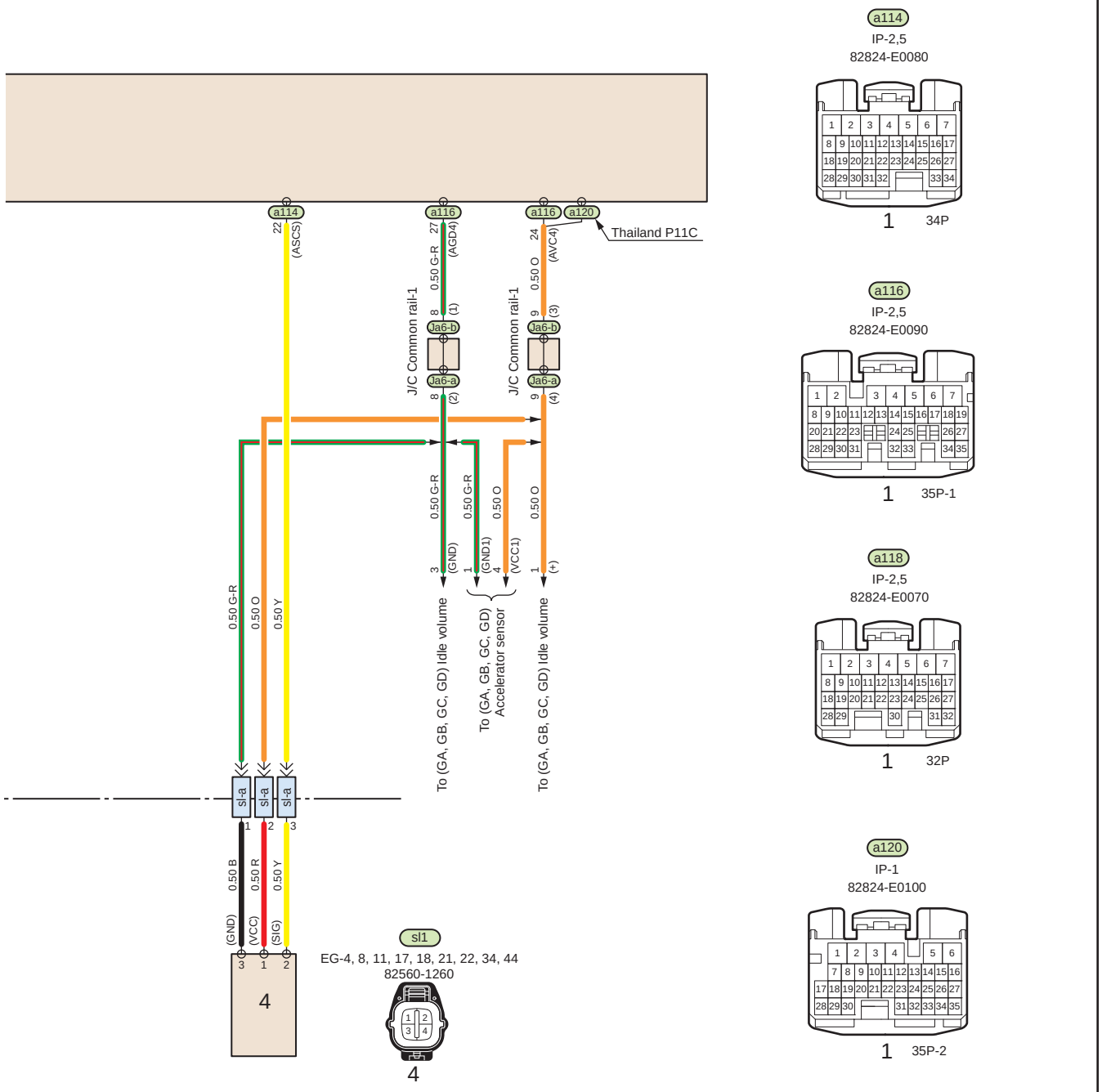



SHTS12Z160200119

**GL. [J SERIES ENGINE AND P11C] COMMON RAIL CIRCUIT No.4 (P.T.O.)**

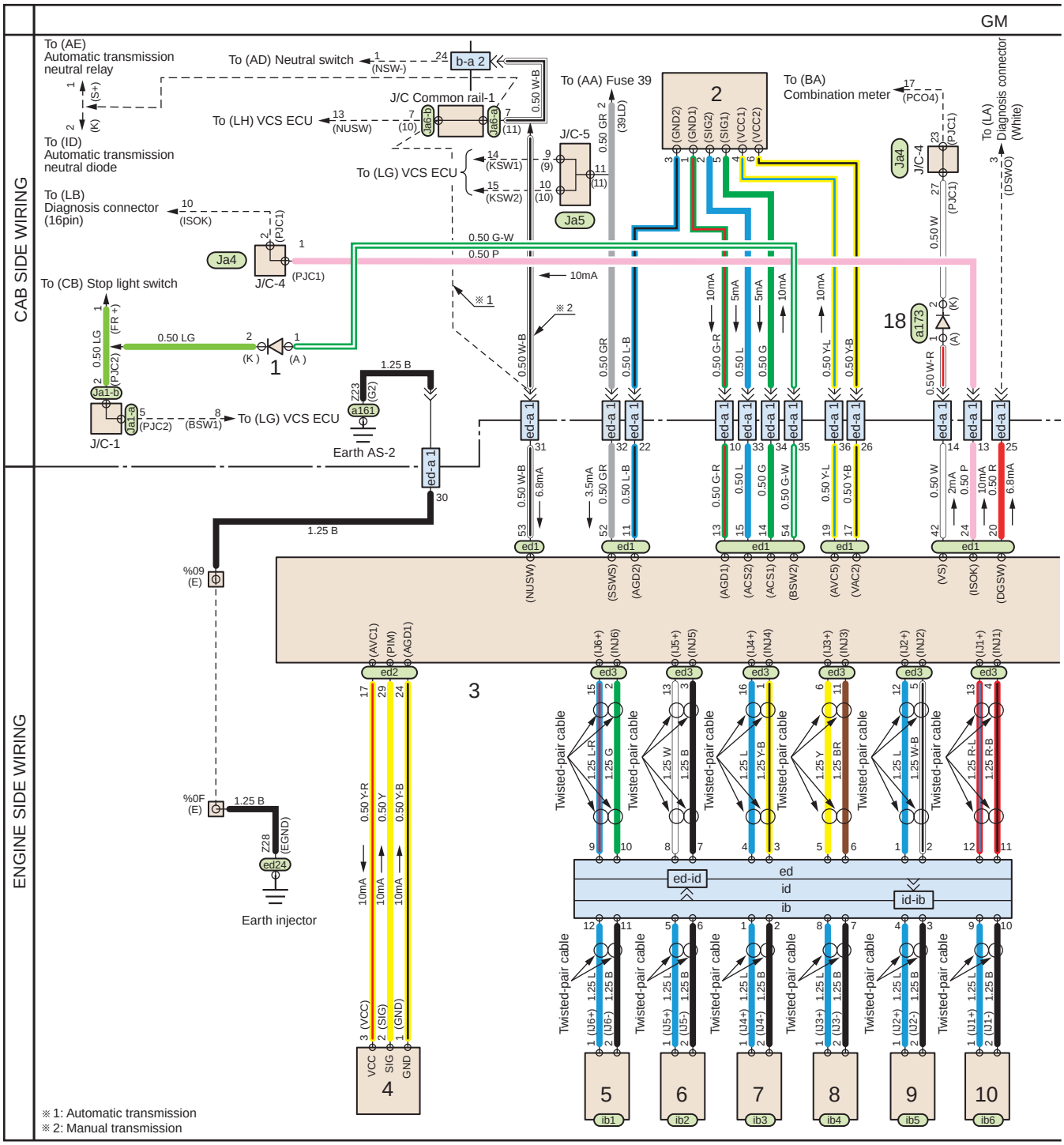
1. Engine ECU
2. Idle up 1
3. Idle up 2
4. P.T.O. accelerator sensor

https://truckmanualshub.com/




SHTS12Z160200120

https://truckmanualshub.com/

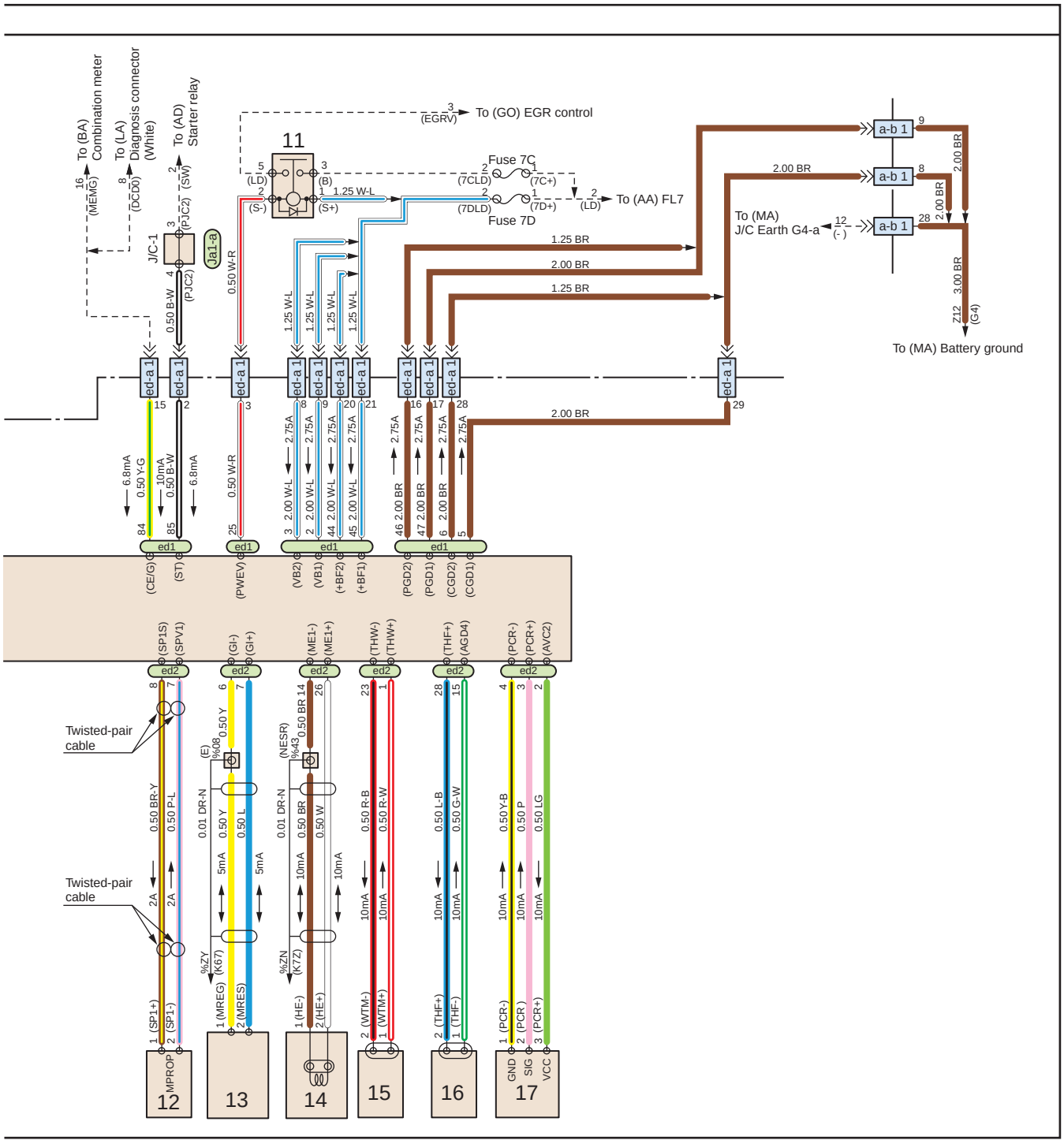



SHTS12Z160200121

**GM. [A09C] COMMON RAIL CIRCUIT No.1**

1. Engine stop diode
2. Accelerator sensor
3. Engine ECU
4. Boost pressure sensor
5. Fuel injector No.6
6. Fuel injector No.5
7. Fuel injector No.4
8. Fuel injector No.3
9. Fuel injector No.2
10. Fuel injector No.1
11. EGR VNT power relay
12. MPROP (Supply pump)
13. Engine speed main sensor
14. Engine speed sub sensor
15. Coolant temperature sensor
16. Fuel temperature sensor
17. Common rail pressure sensor
18. Vehicle speed diode

https://truckmanualshub.com/




SHTS12Z160200122

https://truckmanualshub.com/

CONNECTORS FOR CIRCUIT "GM"

a170
IP-2
82560-3800



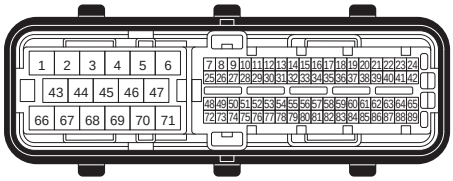

1

a36
IP-4
82580-8960




2

ed1
EG-35, 39
S8281-E0010




3

ed16
EG-35, 39
82580-8980



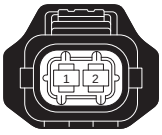

4

ib1 ib2
ib3 ib4
ib5 ib6
EG-36, 37, 40
82580-7990




5, 6, 7, 8, 9, 10

ed10
EG-35, 39
S8281-E0040




12

eb18
EG-35, 39
82580-8760




15

ed8
EG-35, 39
82580-7120

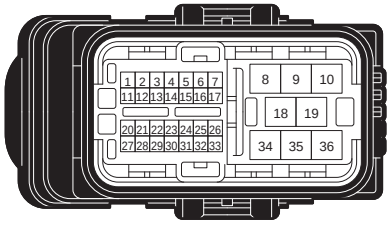



16

SHTS12Z160200123

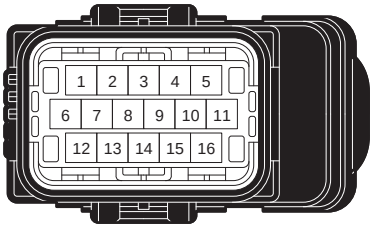
https://truckmanualshub.com/

ed2
EG-35, 39
S8281-E0020



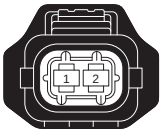

3

ed3
EG-35, 39
S8281-E0030




3

ed9
EG-35
S8281-E0040



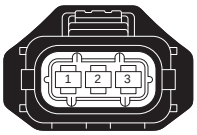

13

ed13
EG-36, 37, 40
82560-1230




14

ed11
EG-35, 39
S8281-E0050




17

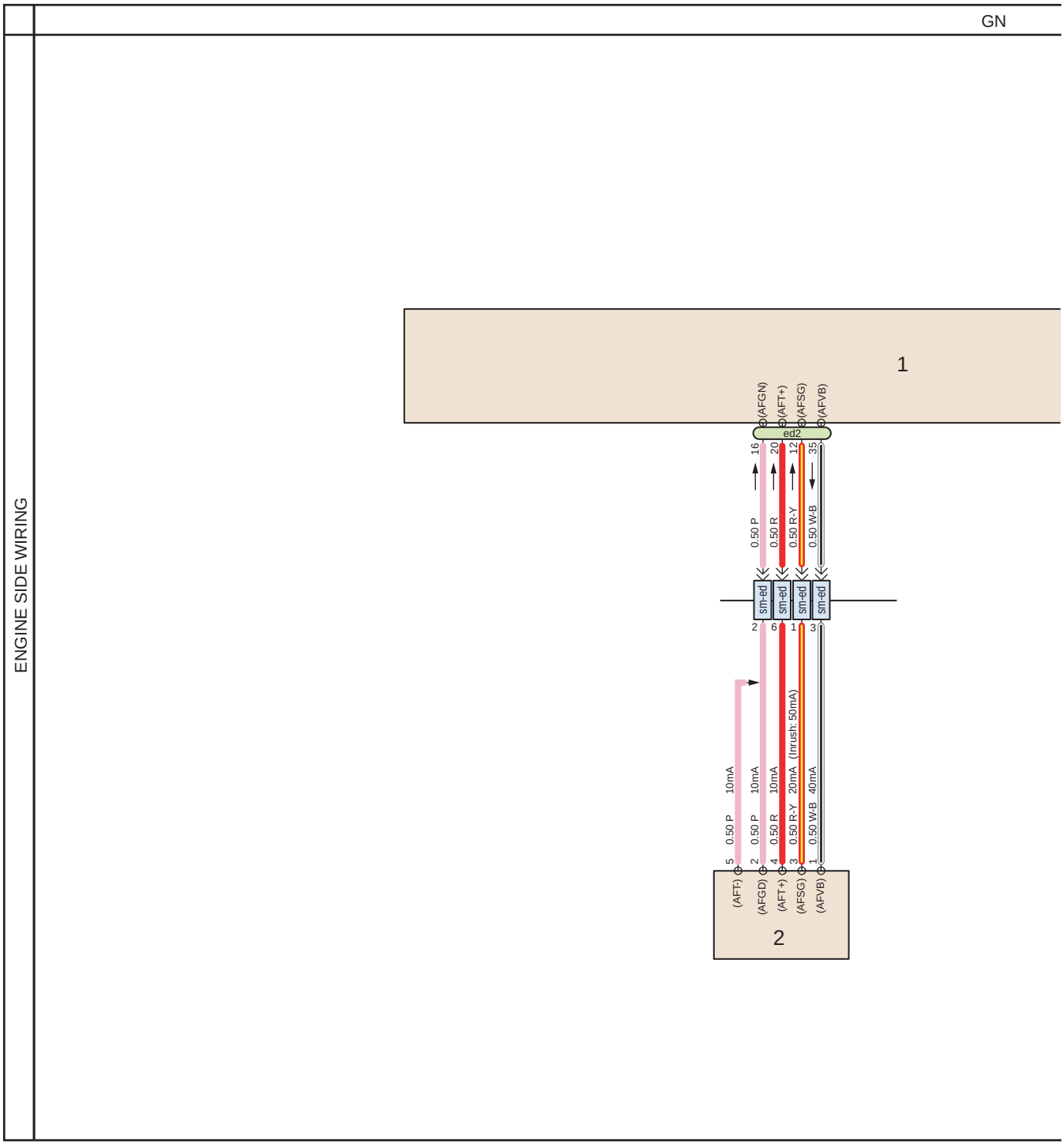
a173
IP-4
82560-3800




18

SHTS12Z160200124

https://truckmanualshub.com/



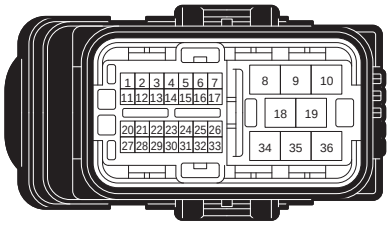

SHTS12Z160200125

**GN. [A09C] COMMON RAIL CIRCUIT No.2**

1. Engine ECU
2. Air flow sensor

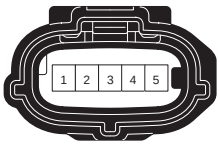
https://truckmanualshub.com/

ed2
EG-35, 39
S8281-E0020




1

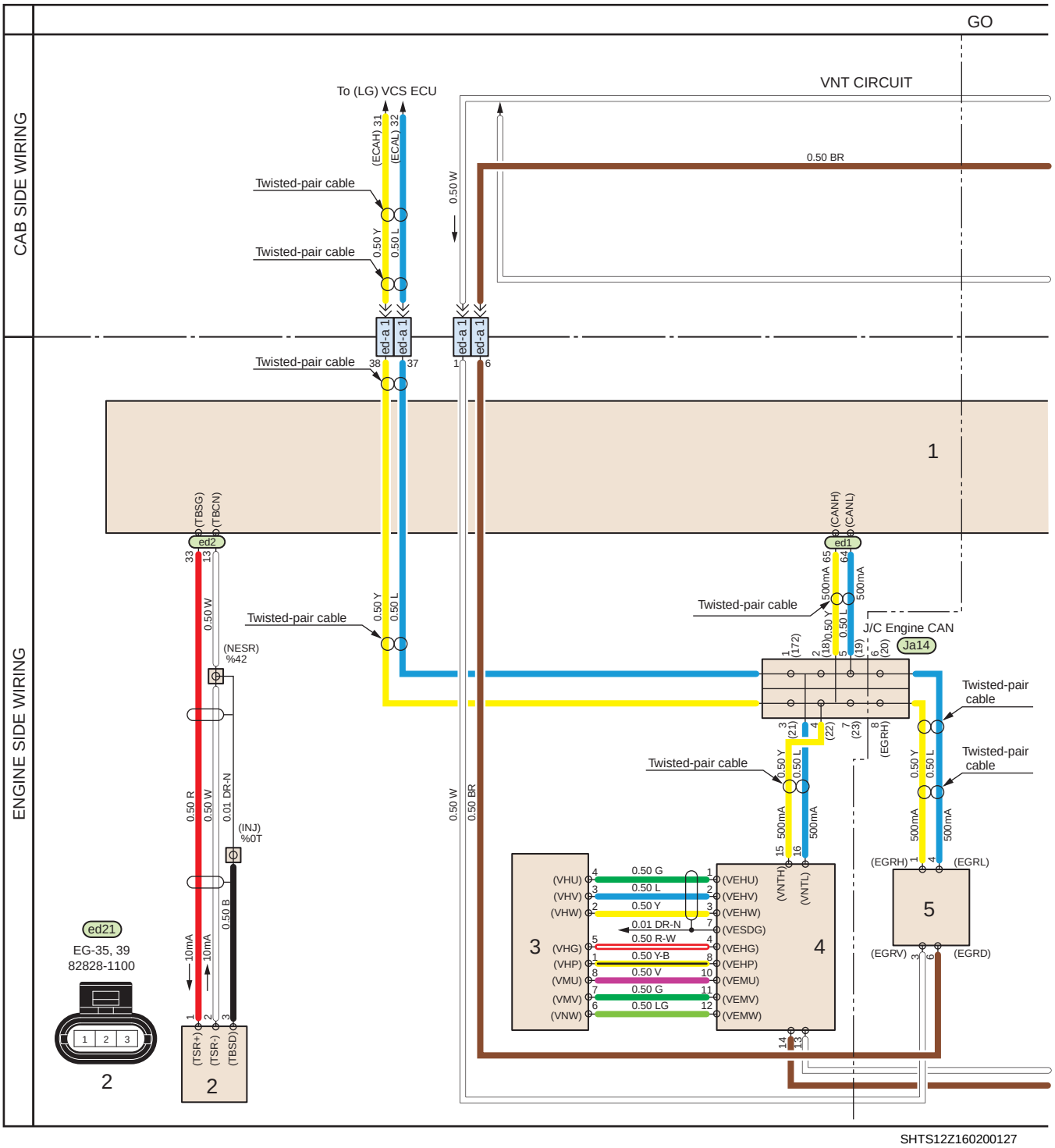
sm1
EG-36, 37, 40
82828-1630




2

SHTS12Z160200126

https://truckmanualshub.com/

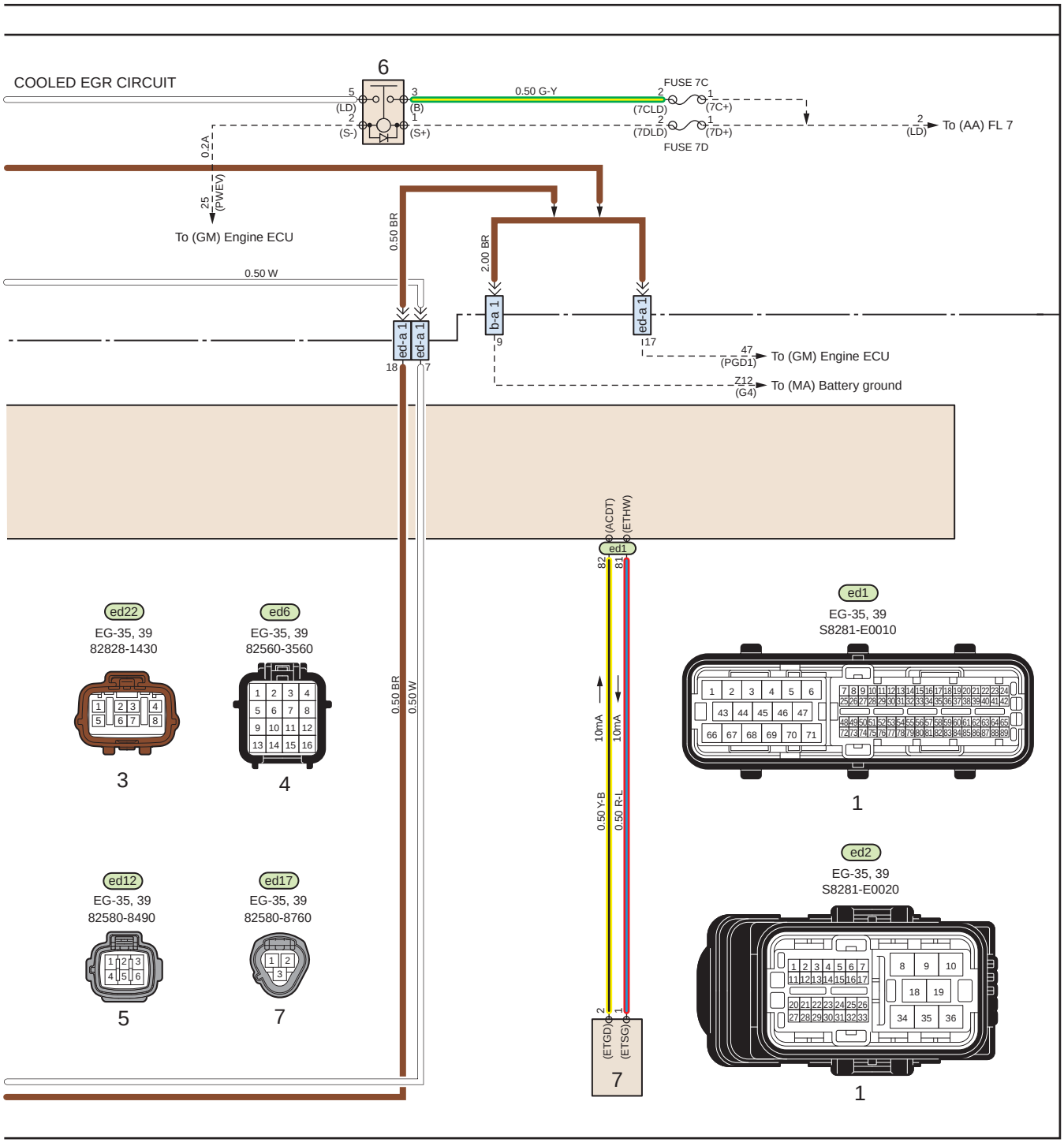



SHTS12Z160200127

**GO. [A09C] COMMON RAIL CIRCUIT No.3 (EGR, VNT DRIVE CIRCUIT)**

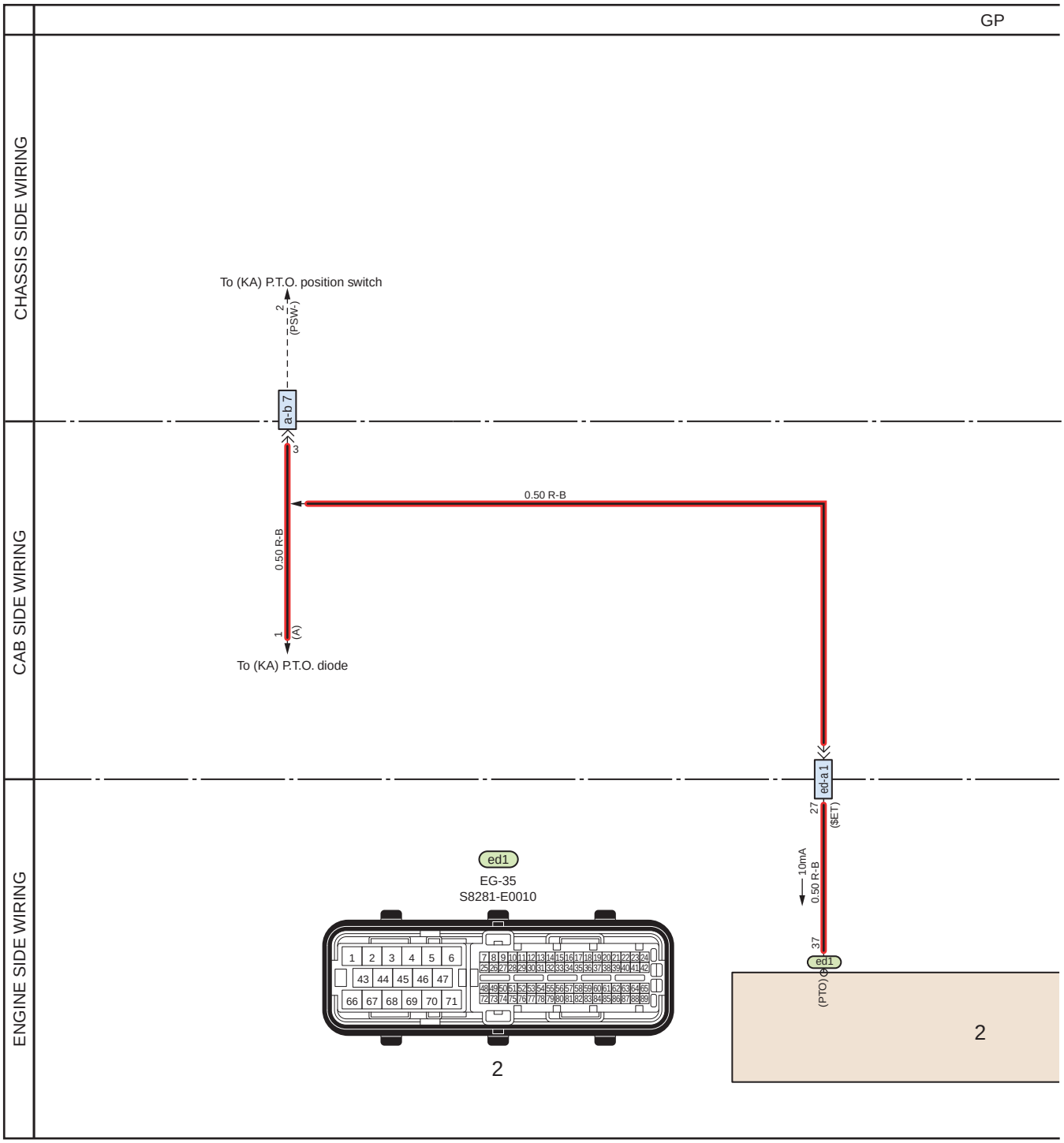
1. Engine ECU
2. Turbine speed sensor
3. VNT actuator
4. VNT controller
5. EGR controller
6. EGR VNT power relay
7. EGR coolant temperature sensor

https://truckmanualshub.com/




SHTS12Z160200128

https://truckmanualshub.com/

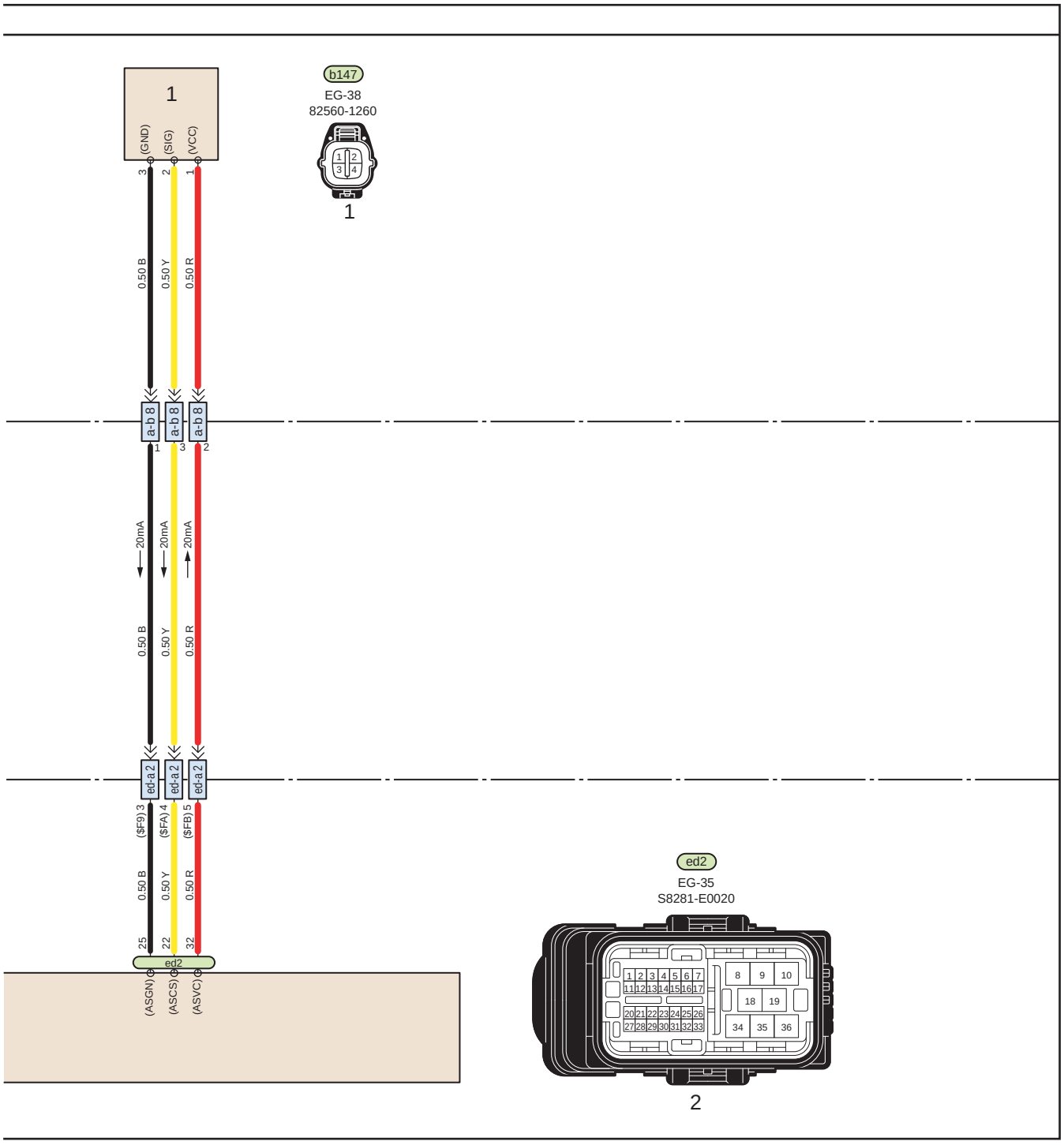



SHTS12Z160200129

**GP. [A09C] COMMON RAIL CIRCUIT No.4 (P.T.O.)**

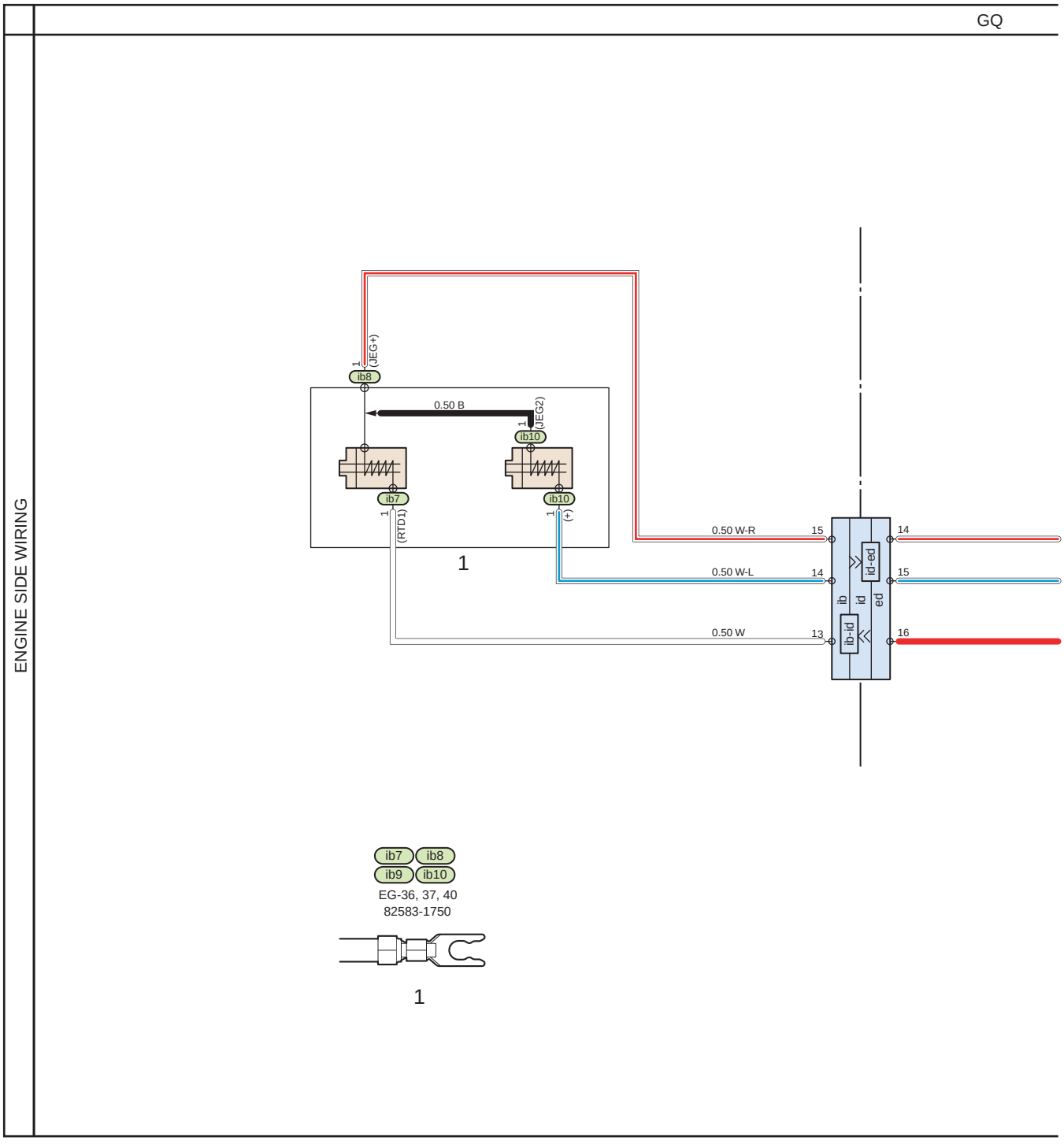
1. P.T.O. accelerator sensor
2. Engine ECU

https://truckmanualshub.com/




SHTS12Z160200130

https://truckmanualshub.com/

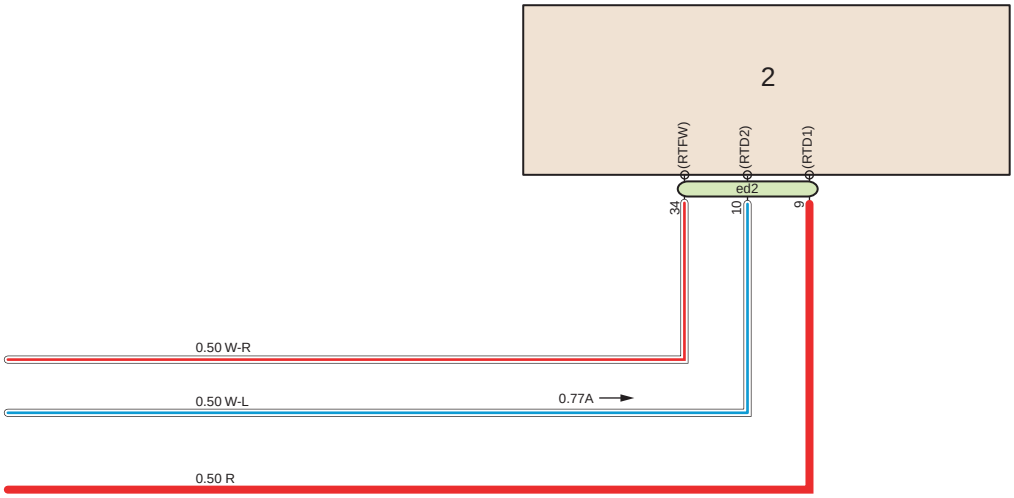


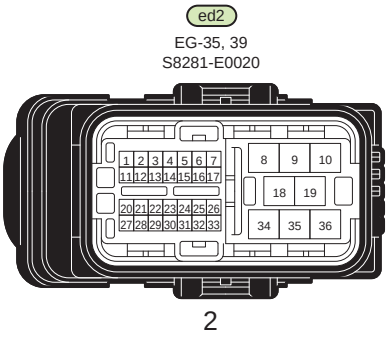

SHTS12Z160200131

**GQ. [A09C] COMMON RAIL CIRCUIT No.5 (ENGINE RETARDER)**

1. Engine retarder EGR
2. Engine ECU

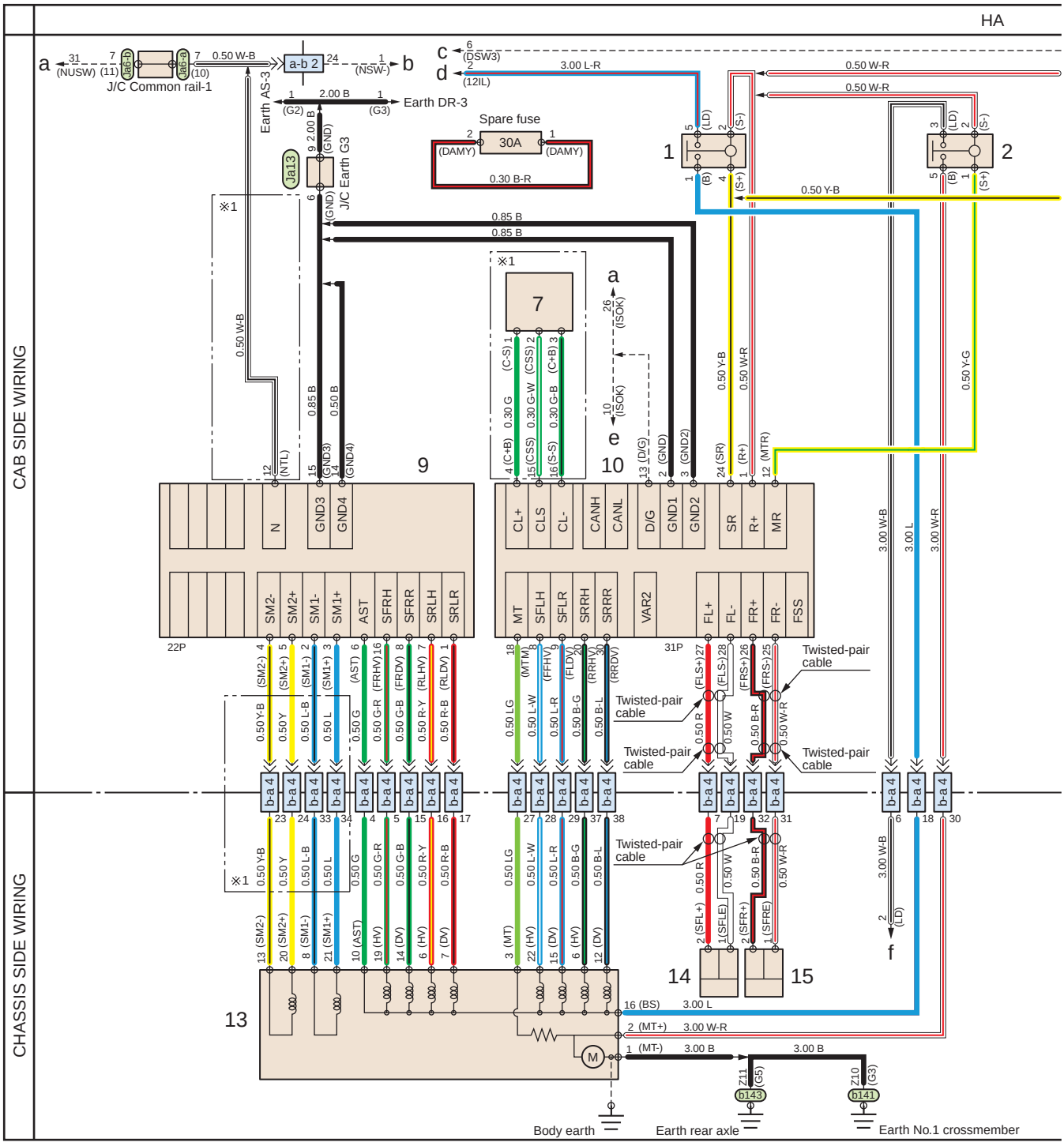
https://truckmanualshub.com/




SHTS12Z160200132

https://truckmanualshub.com/

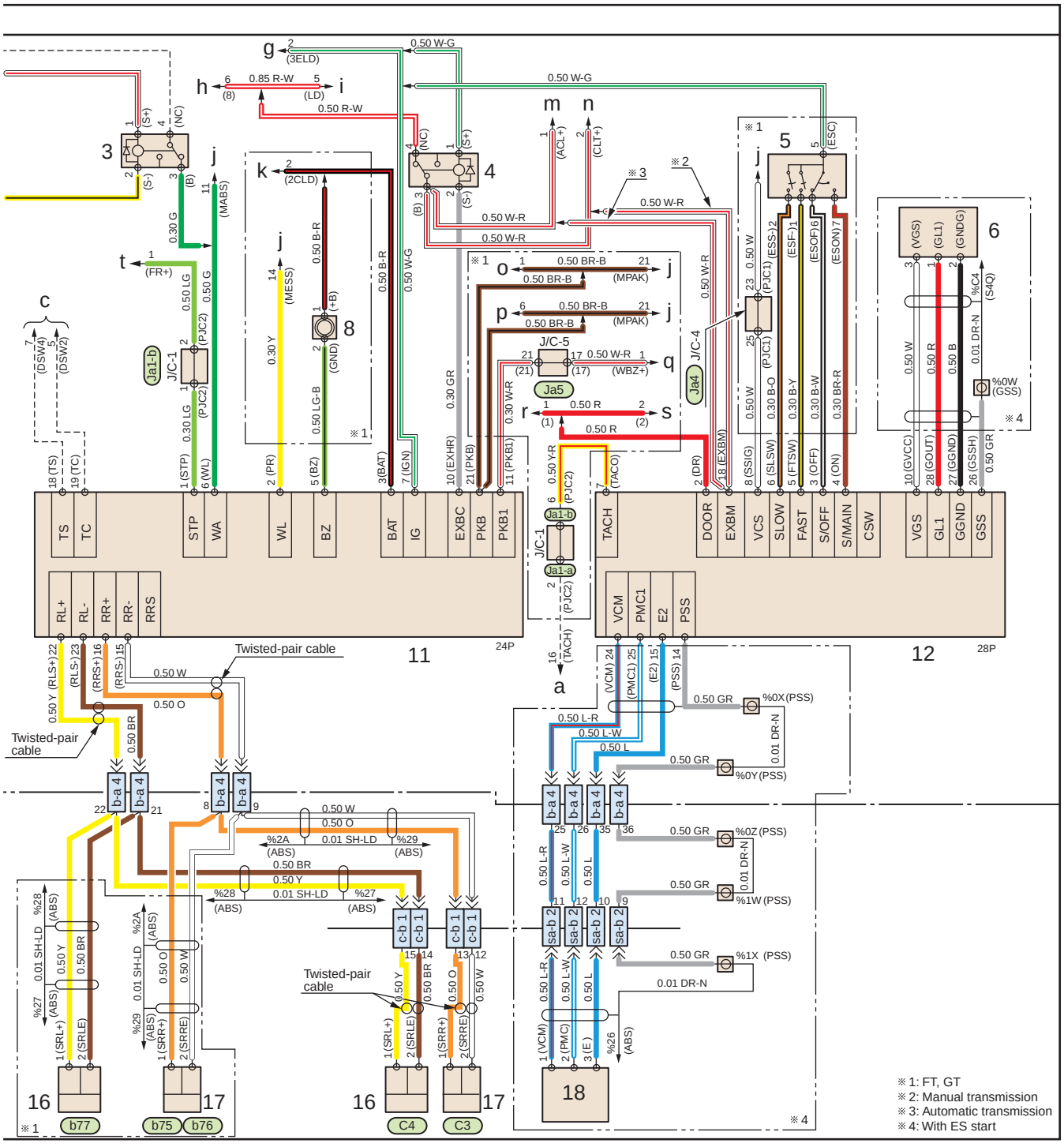



SHTS12Z160200133

**HA. ABS+ES START CIRCUIT**

1. ABS solenoid relay
2. ABS motor relay
3. ABS warning light relay
4. Exhaust brake cut relay
5. ES start main switch
6. G sensor
7. Clutch stroke sensor
8. ES start warning buzzer
9. ABS+ES start ECU (22 pin)
10. ABS+ES start ECU (31 pin)
11. ABS+ES start ECU (24 pin)
12. ABS+ES start ECU (28 pin)
13. Hydraulic unit
14. Wheel sensor (Front LH)
15. Wheel sensor (Front RH)
16. Wheel sensor (Rear LH)
17. Wheel sensor (Rear RH)
18. Master cylinder sensor (Brake fluid pressure sensor)

https://truckmanualshub.com/




SHTS12Z160200134

a. To (GC, GD) Engine ECU
b. To (AD) Neutral switch
c. To (LA) Diagnosis connector (White)
d. To (AA) Fuse 121
e. To (LB) Diagnosis connector (16 pin) or DLC4
f. To (AA) FL 12
g. To (AA) Fuse 3E
h. To (GC, GD) Engine wiring harness-1 (EGR valve)
i. To (GC, GD) Actuator power relay
j. To (BA) Combination meter
k. To (AA) Fuse 2C
m. To (GH) Accelerator switch
n. To (GF) Clutch switch
o. To (BA) Parking brake switch
p. To (BC) Spring brake switch
q. To (BA) Warning buzzer
r. To (DA) Courtesy switch
s. To (DA) Roof wiring harness (Dome light)
t. To (CB) Stop light switch

https://truckmanualshub.com/

CONNECTORS FOR CIRCUIT "HA"

a69
IP-3, 7
82560-1100




5

a97
IP-1
82580-8980




6

a14
IP-4, 8
82580-7140




7

a110
IP-2, 5
82560-2320



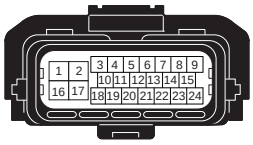

11

a109
IP-2, 5
82560-2330




12

b87
EG-4, 8, 11, 22, 44
82560-1330




13

c3 (FC, FD)
b75 (FT)
RR-1
82560-4730




17

b76 (GT)
RR-1
82560-4720




17

sa21
EG-4, 8, 11
82580-8760




18

SHTS12Z160200135

https://truckmanualshub.com/

a112
IP-4, 8
82560-2990



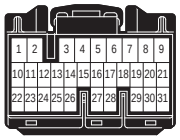

8

a108
IP-2, 5
82560-2310




9

a111
IP-2, 5
82560-2340




10

b5
EG-1, 2, 5, 6, 9, 19, 42
82560-4720




14

b4
EG-3, 5, 6, 9, 42
82560-4720




15

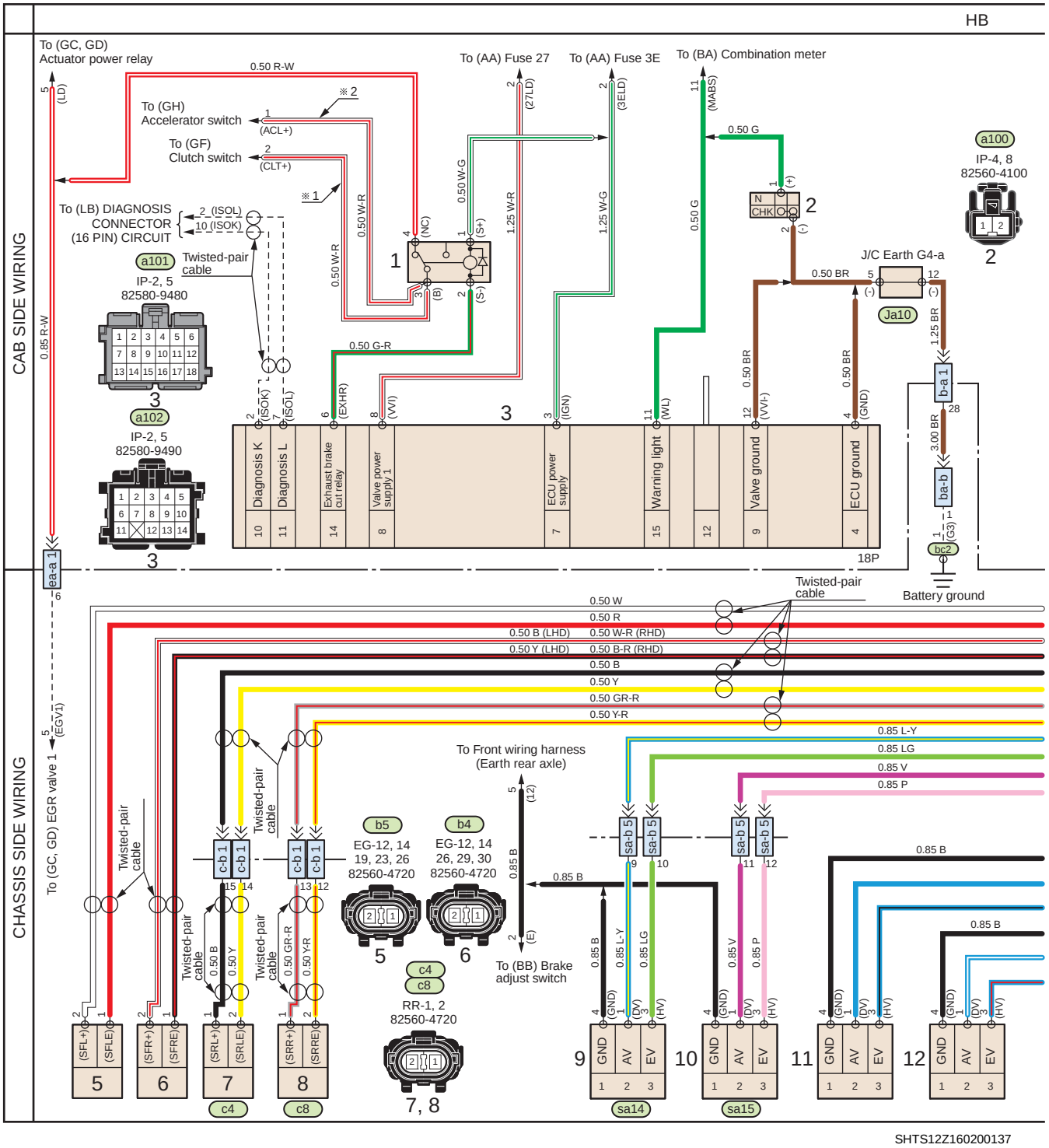
c4 (FC, FD)
b77 (FT, GT)
RR-1
82560-4720




16

SHTS12Z160200136

https://truckmanualshub.com/

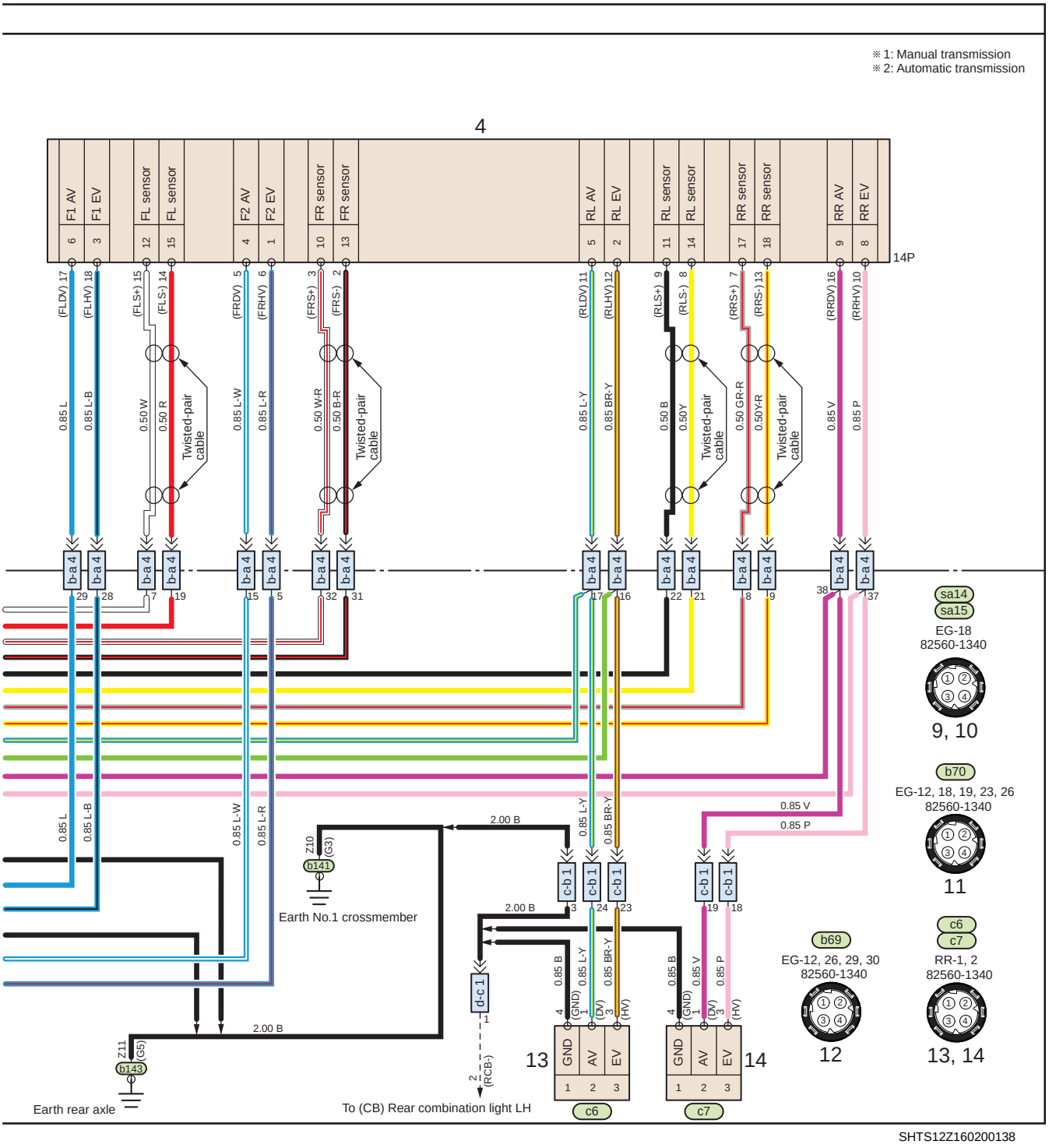



SHTS12Z160200137

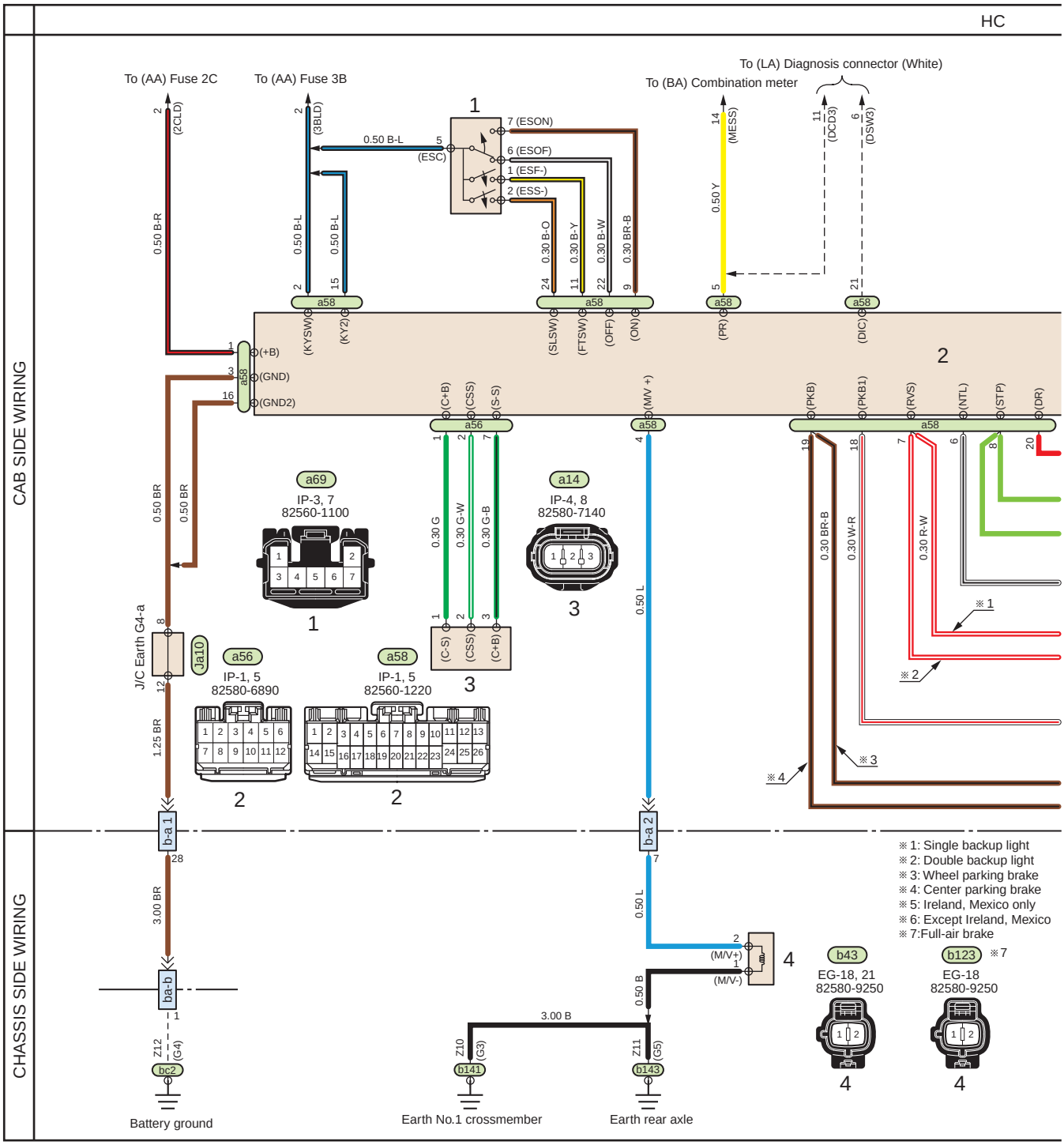
**HB. ABS CIRCUIT (WABCO)**

1. Exhaust brake cut relay
2. ABS diagnosis switch
3. ABS ECU (18 pin)
4. ABS ECU (14 pin)
5. Wheel sensor (Front LH)
6. Wheel sensor (Front RH)
7. Wheel sensor (Rear LH)
8. Wheel sensor (Rear RH)
9. Modulator (Rear LH) (Taiwan)
10. Modulator (Rear RH) (Taiwan)
11. Modulator (Front LH: Except Taiwan) (Front: Taiwan)
12. Modulator (Front RH) (Except Taiwan)
13. Modulator (Rear LH) (Except Taiwan)
14. Modulator (Rear RH) (Except Taiwan)

https://truckmanualshub.com/



https://truckmanualshub.com/

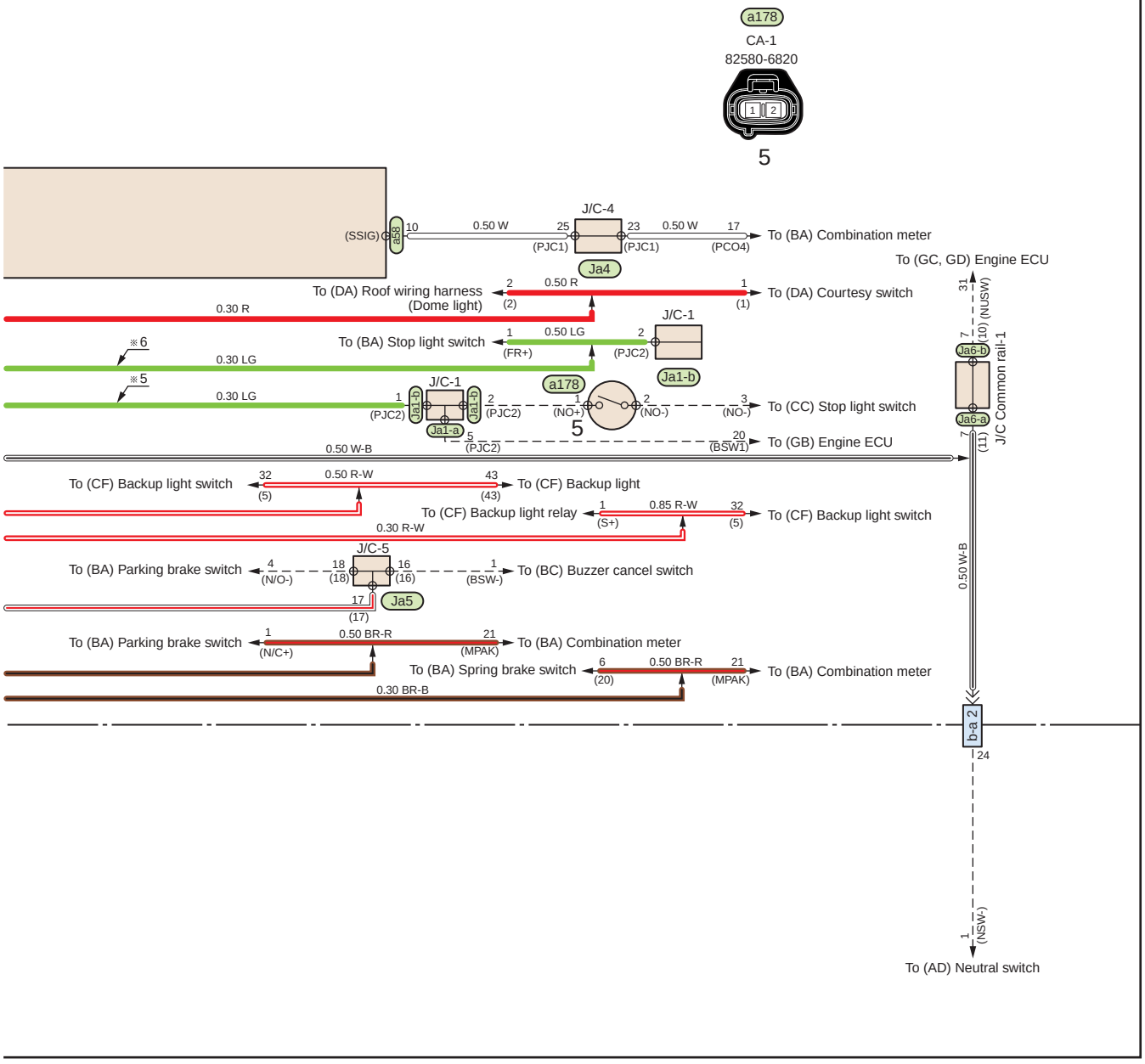



SHTS12Z160200139

**HC. ES START CIRCUIT**

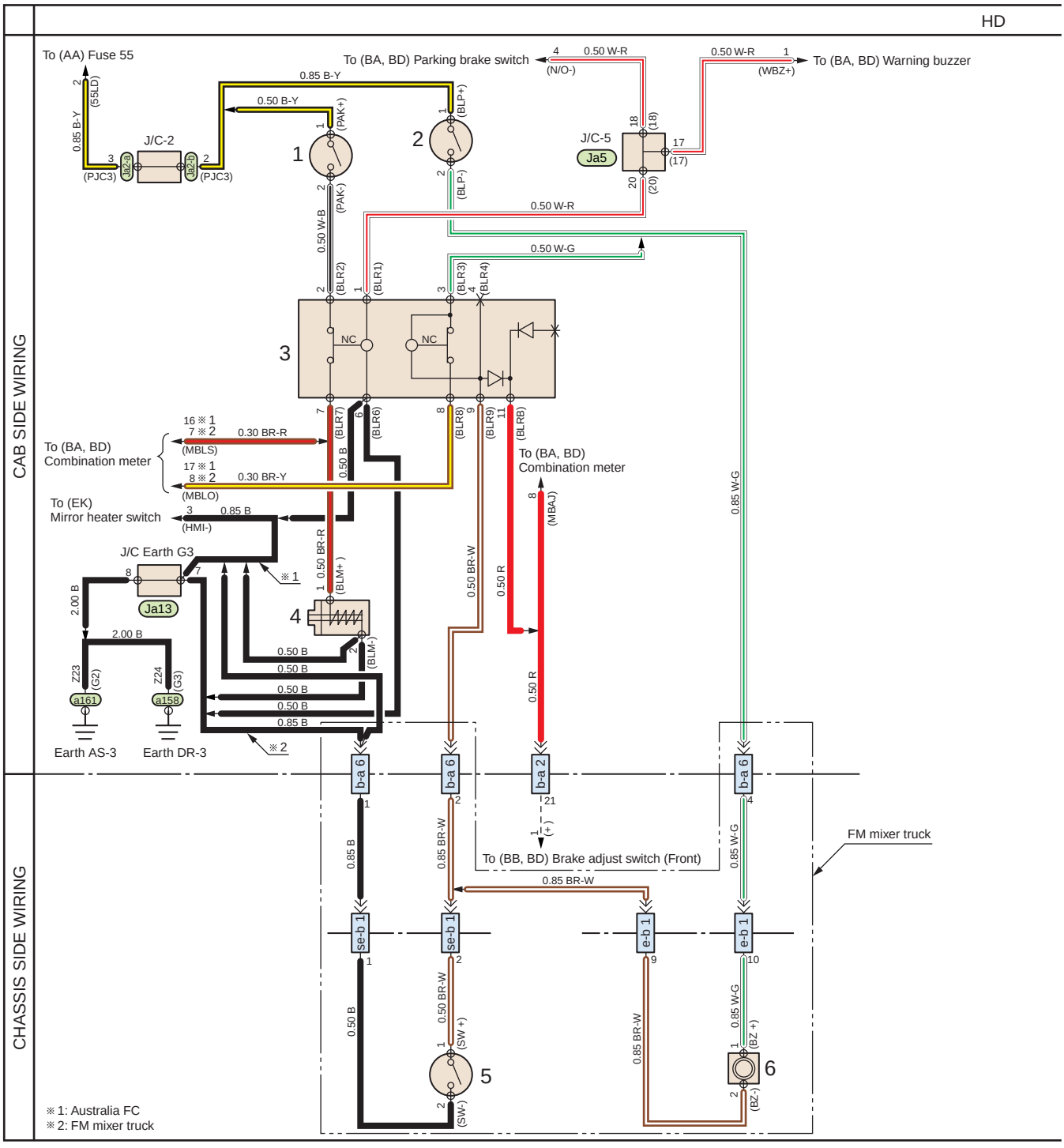
1. ES start main switch
2. ES start controller
3. Clutch stroke sensor
4. ES start control valve
5. Brake switch

https://truckmanualshub.com/




SHTS12Z160200140

https://truckmanualshub.com/




SHTS12Z160200141

**HD. BRAKE LOCK CIRCUIT**

1. Parking brake lever switch
2. Brake lock control valve position switch
3. Brake lock relay
4. Brake lock control magnetic valve
5. Brake lock pressure switch
6. Brake lock buzzer

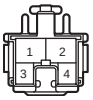
https://truckmanualshub.com/

a45
IP-3
82560-2990



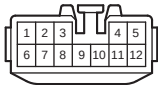

1

a43
IP-4
82560-2880




2

a44
IP-2
82580-8740




3

a42
IP-4
82580-8110




4

se1
EG-4, 34
82560-3590




5

※2
e14
RR-2
82580-6820

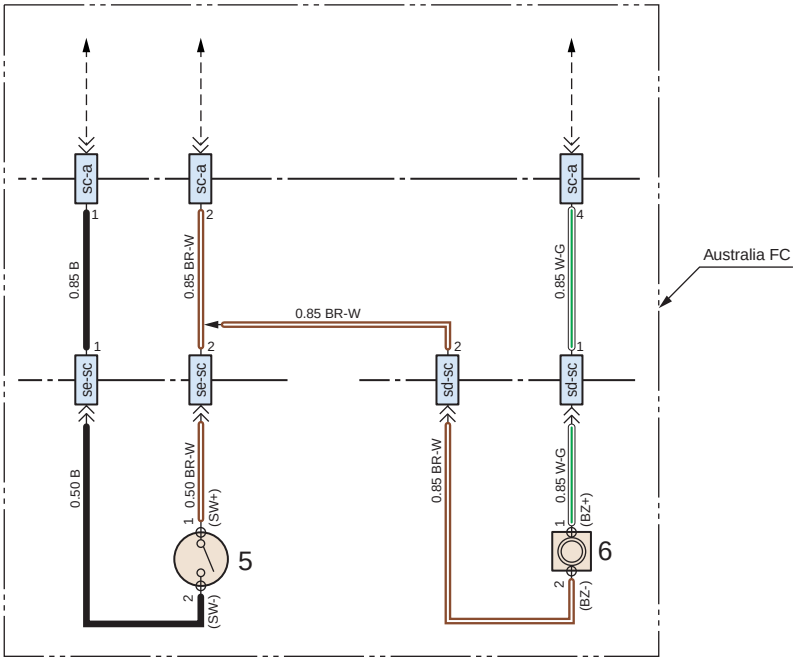



6

※1
sd1
RR-1
82580-6820

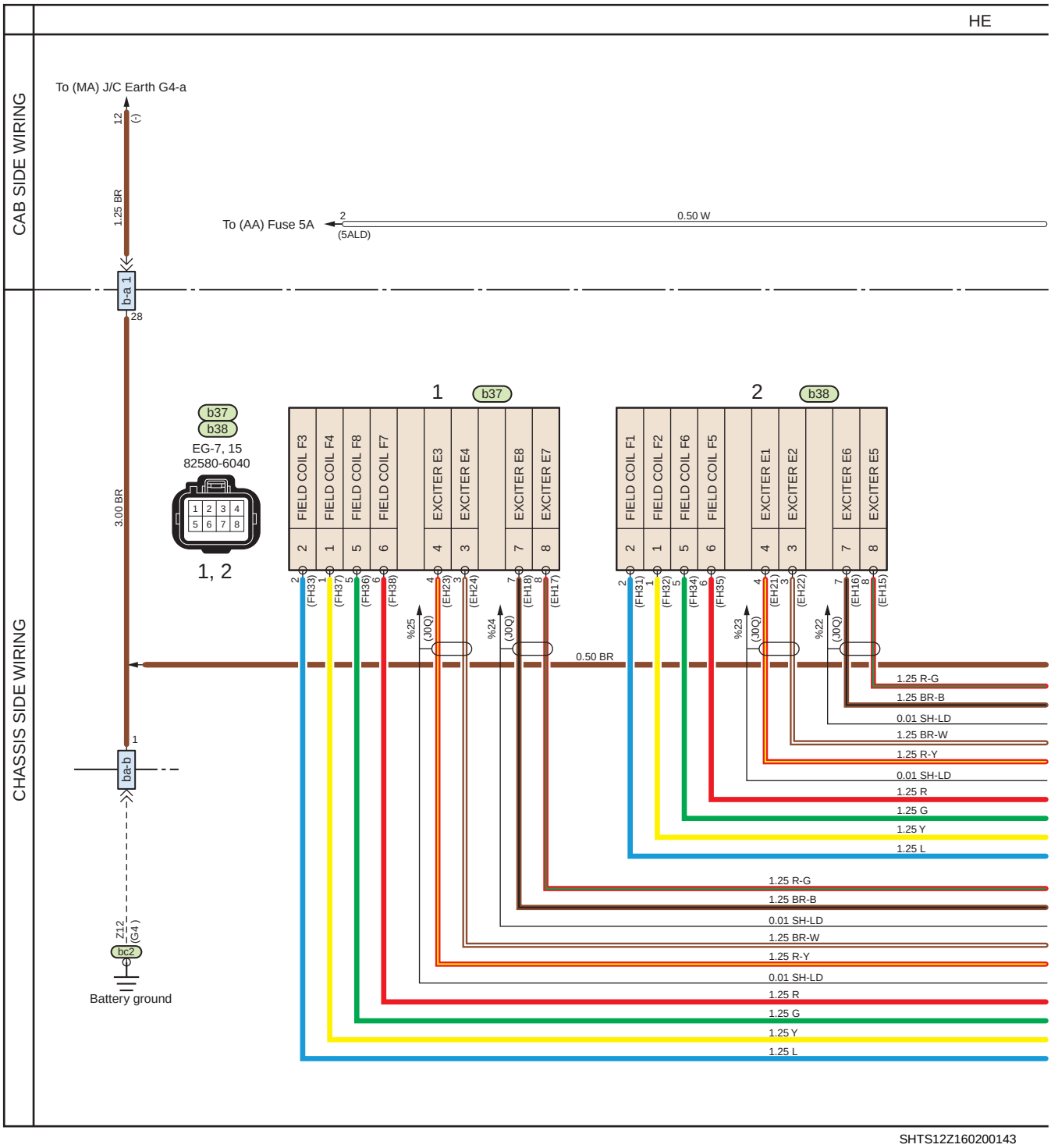



6




SHTS12Z160200142

https://truckmanualshub.com/

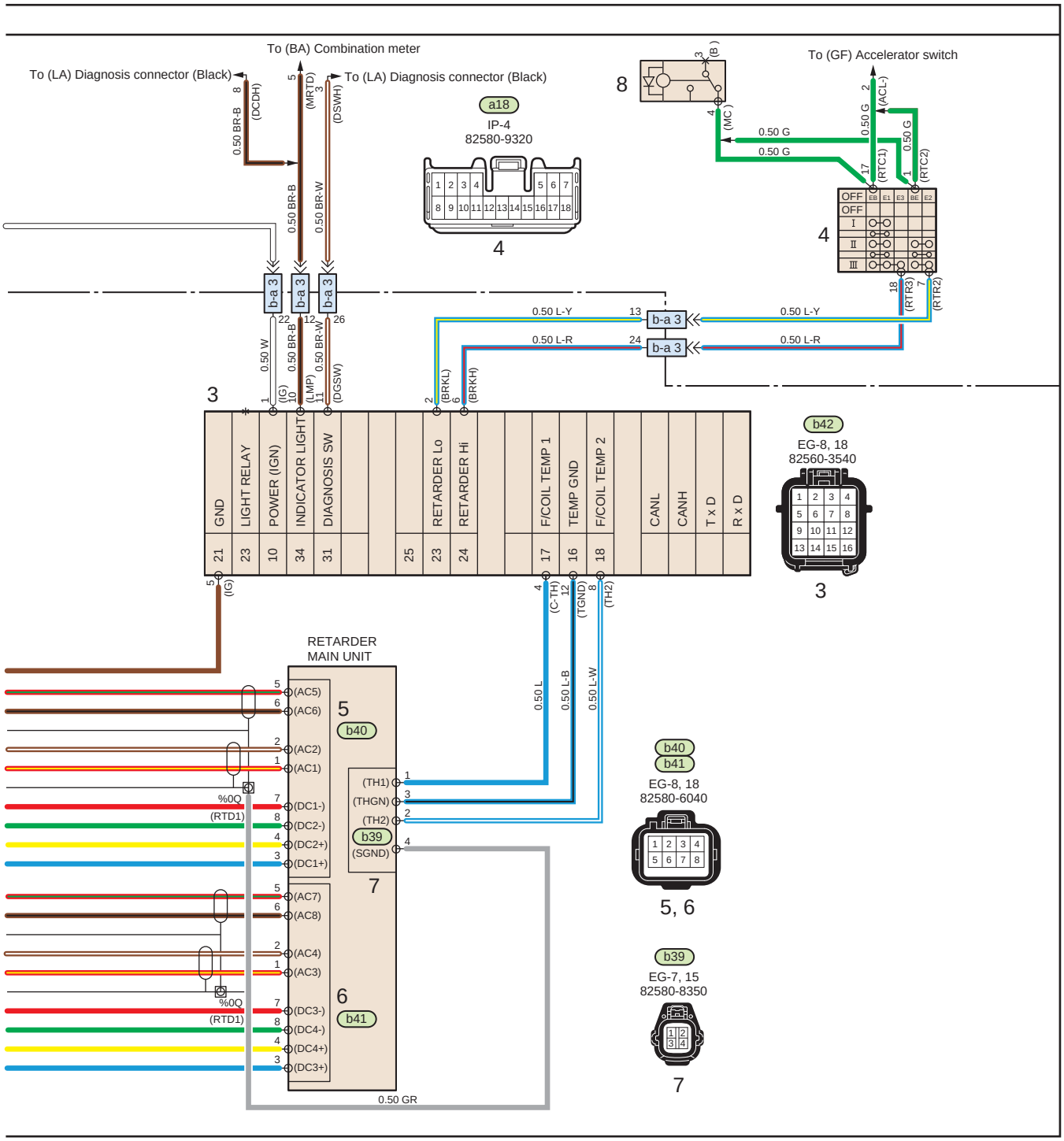



SHTS12Z160200143

**HE. ELECTROMAGNETIC RETARDER CIRCUIT**

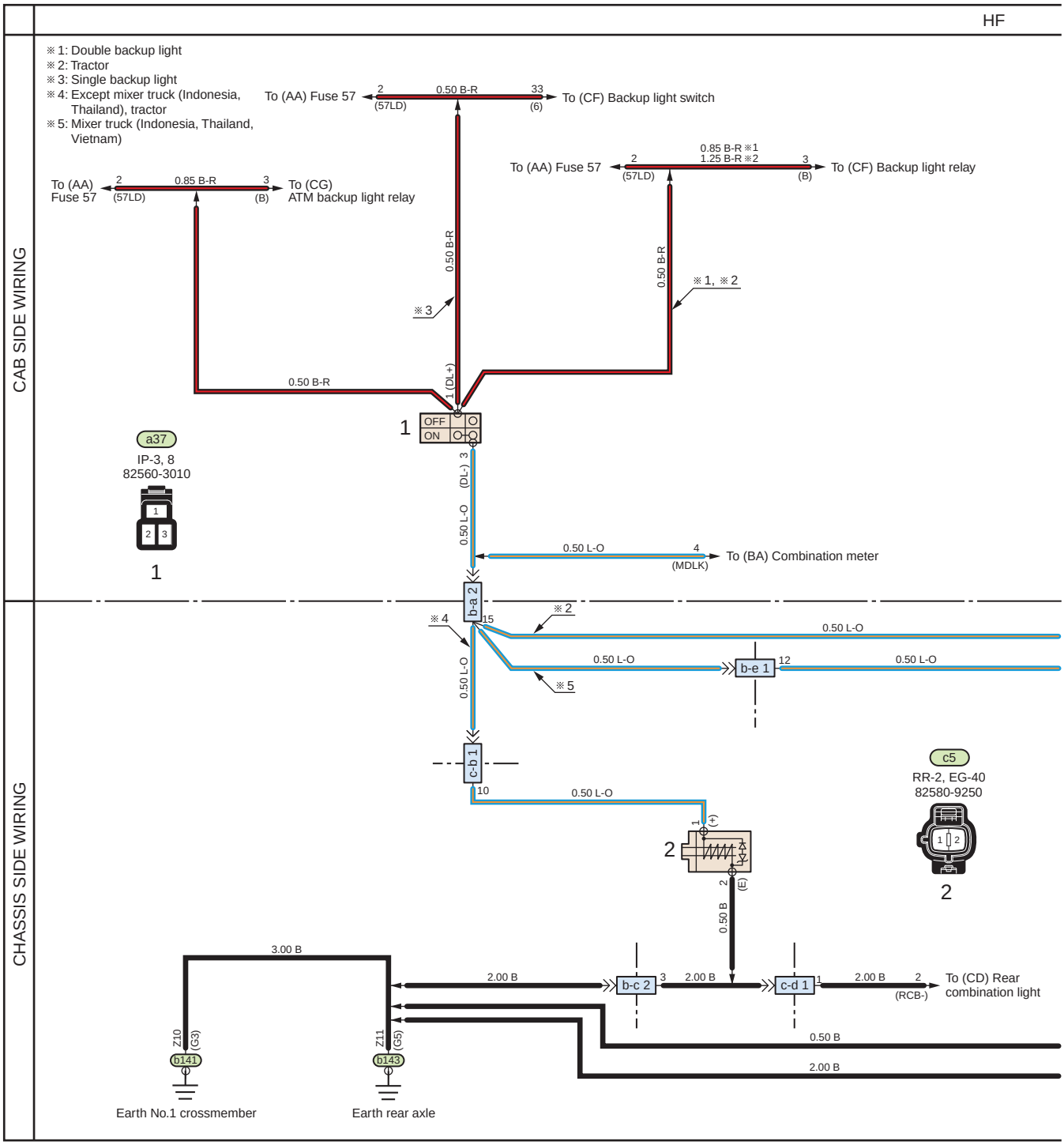
1. Retarder ECU (Drive unit main 1)
2. Retarder ECU (Drive unit main 2)
3. Retarder ECU (Control unit)
4. Wiper and retarder switch
5. Retarder main unit (Main 1)
6. Retarder main unit (Main 2)
7. Retarder main unit (Thermistor)
8. Exhaust brake cut relay

https://truckmanualshub.com/




SHTS12Z160200144

https://truckmanualshub.com/

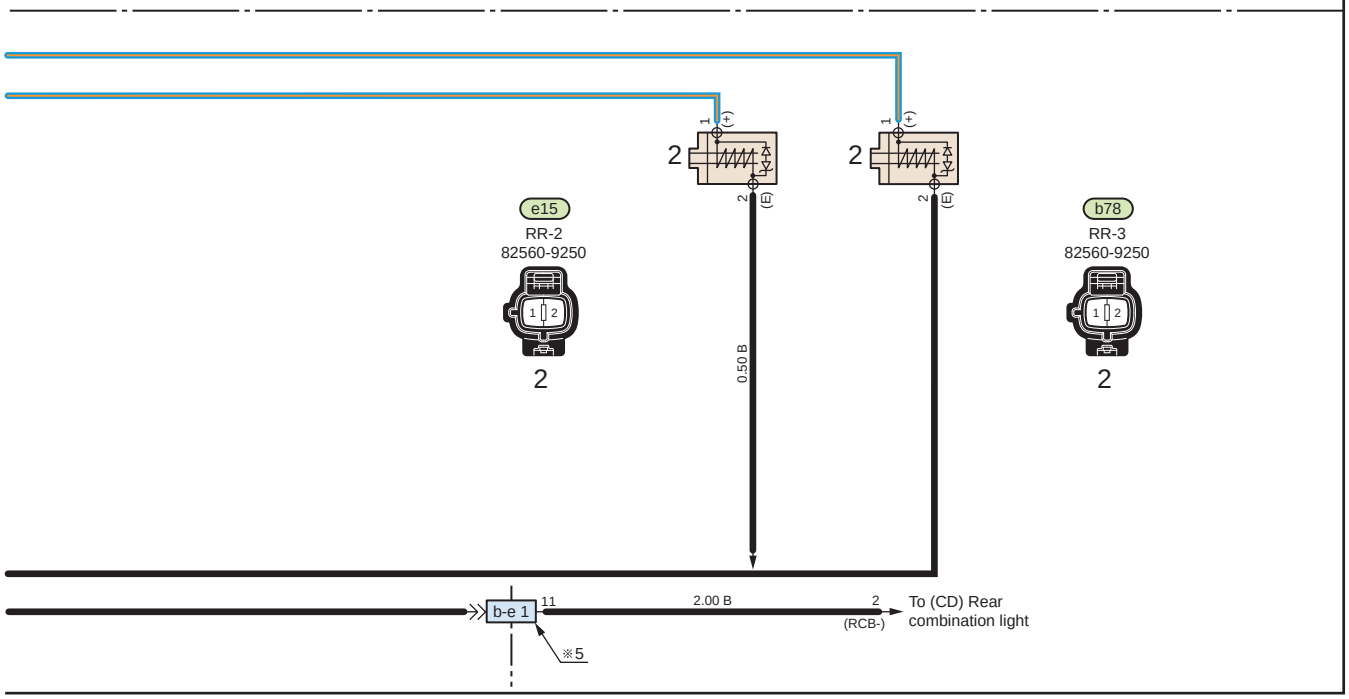



SHTS12Z160200145

**HF. INTER-AXLE DIFFERENTIAL LOCK CIRCUIT**

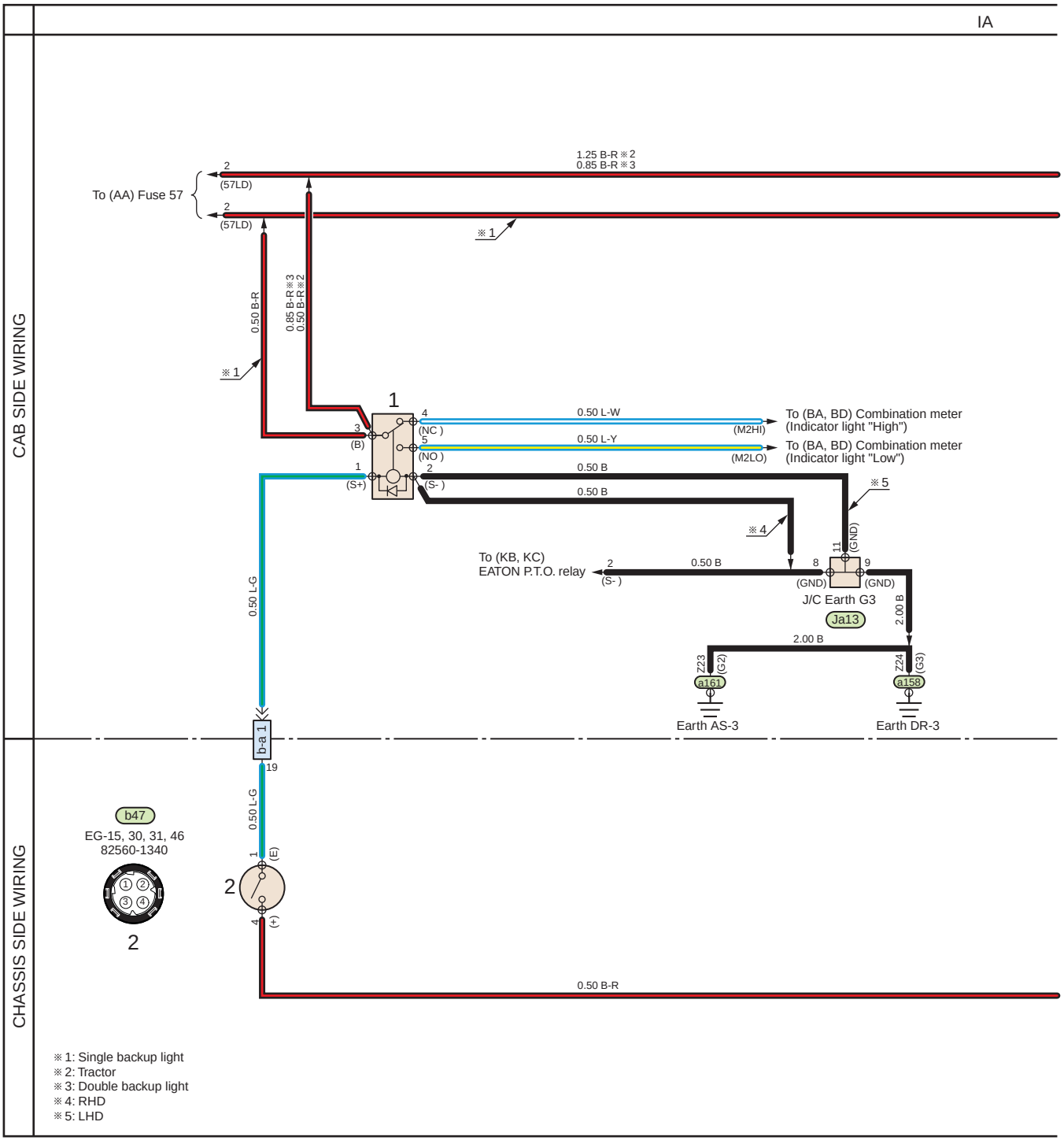
1. Differential lock switch
2. Differential lock magnetic valve

https://truckmanualshub.com/




SHTS12Z160200146

https://truckmanualshub.com/

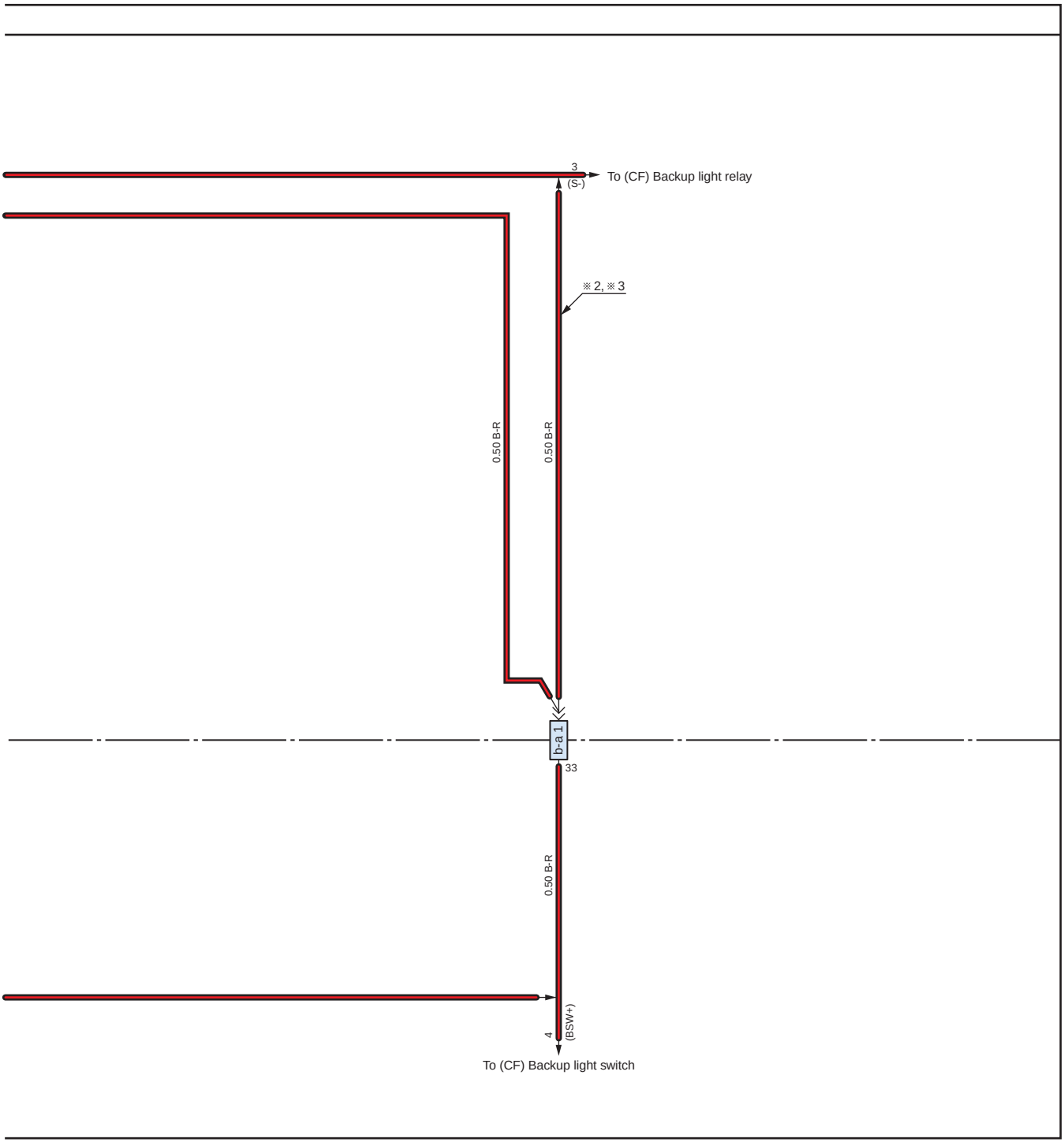



SHTS12Z160200147

**IA. TRANSMISSION CONTROL CIRCUIT (MODELS WITH EATON FS6109/8209 TRANSMISSION)**

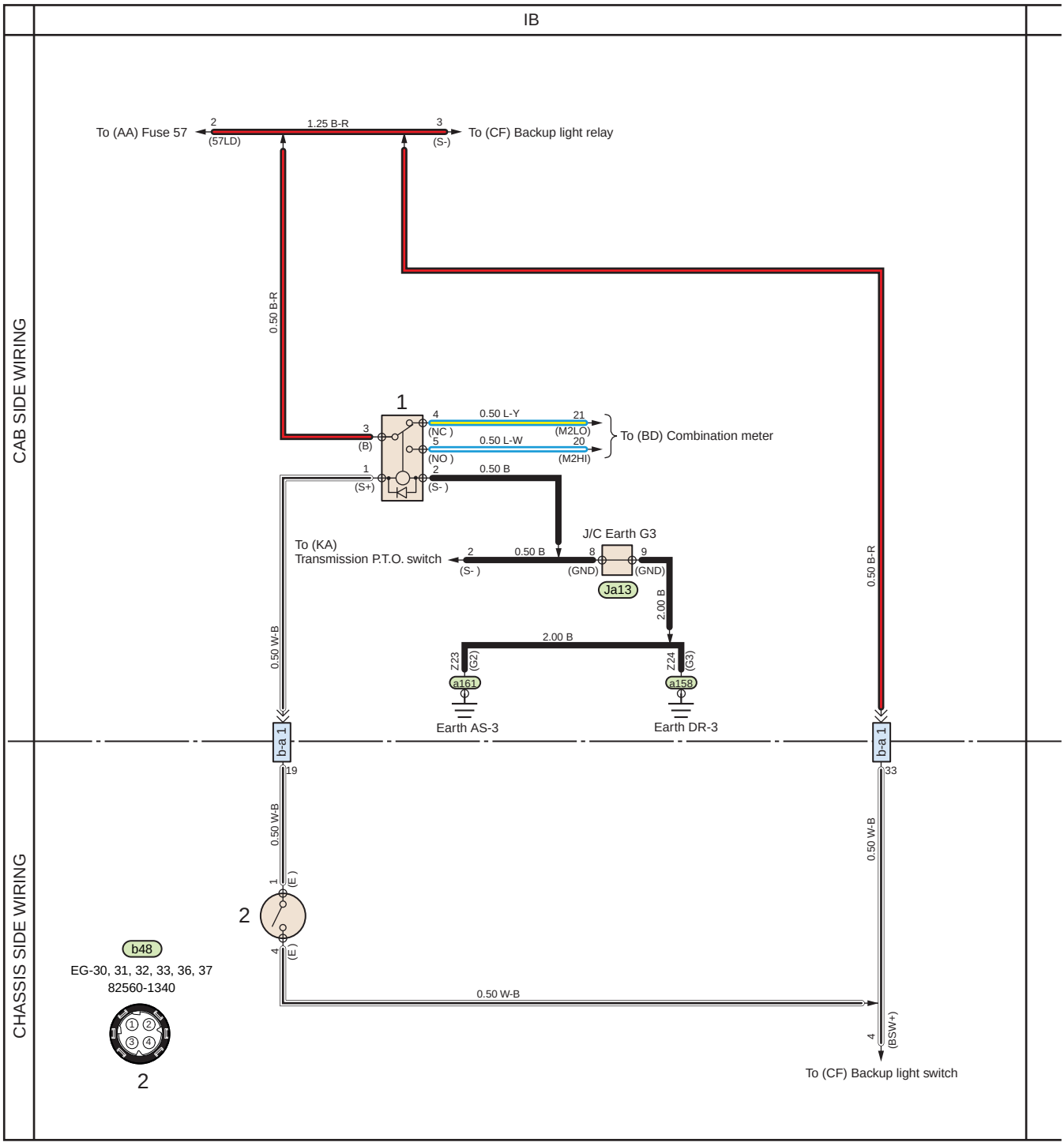
1. Lo-Hi indicator light relay
2. Range Lo switch

https://truckmanualshub.com/




SHTS12Z160200148

https://truckmanualshub.com/

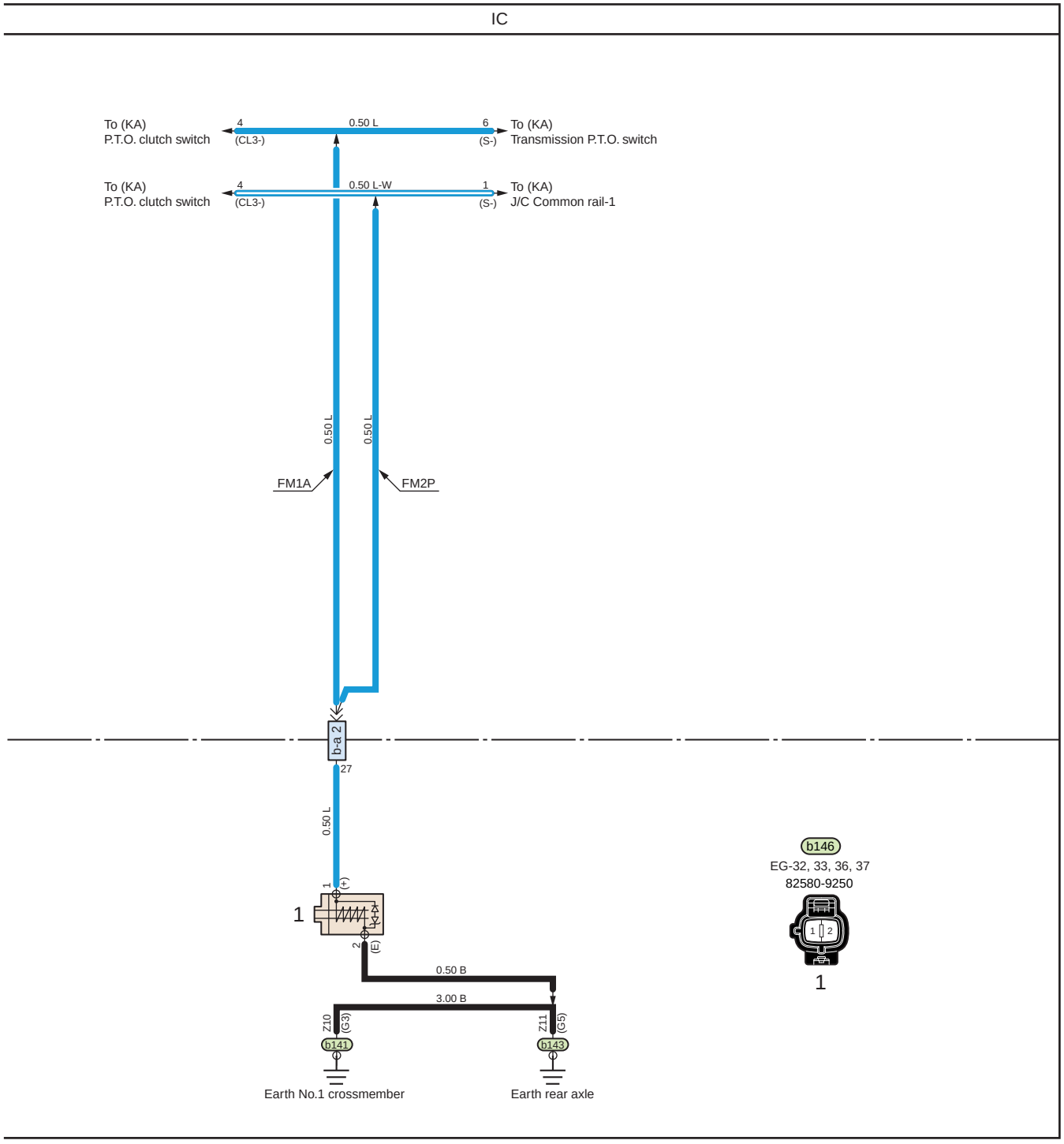



SHTS12Z160200149

**IB. TRANSMISSION CONTROL CIRCUIT (MODELS WITH ZF9S109 AND ZF9S1110/1310 TRANSMISSION)**

1. Lo-Hi indicator light relay
2. Range Hi switch

https://truckmanualshub.com/

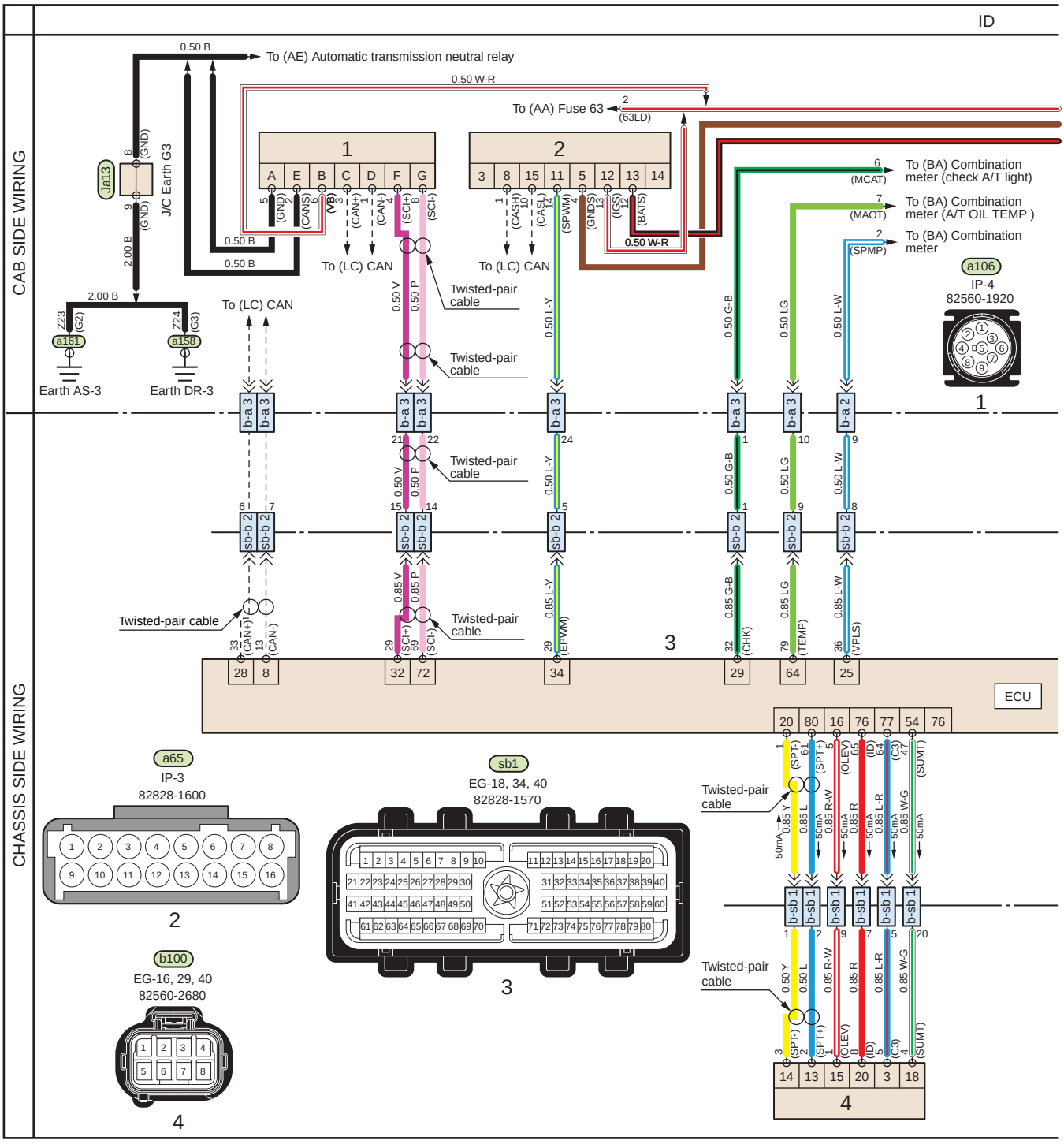



SHTS12Z160200150

**IC. ZF9S1310 TRANSMISSION POWER SHIFT CIRCUIT**

1. ZF power shift magnetic valve

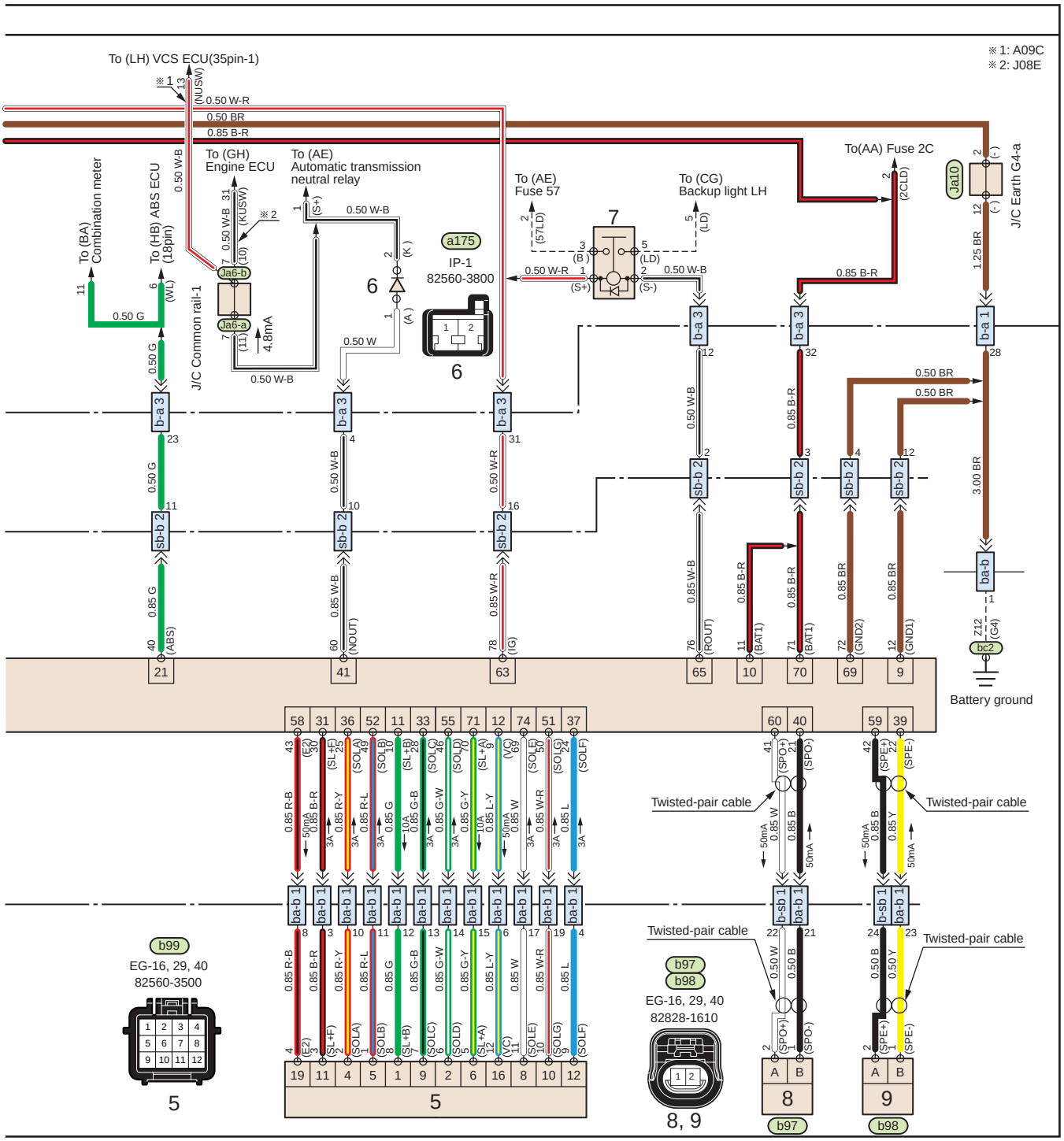
https://truckmanualshub.com/



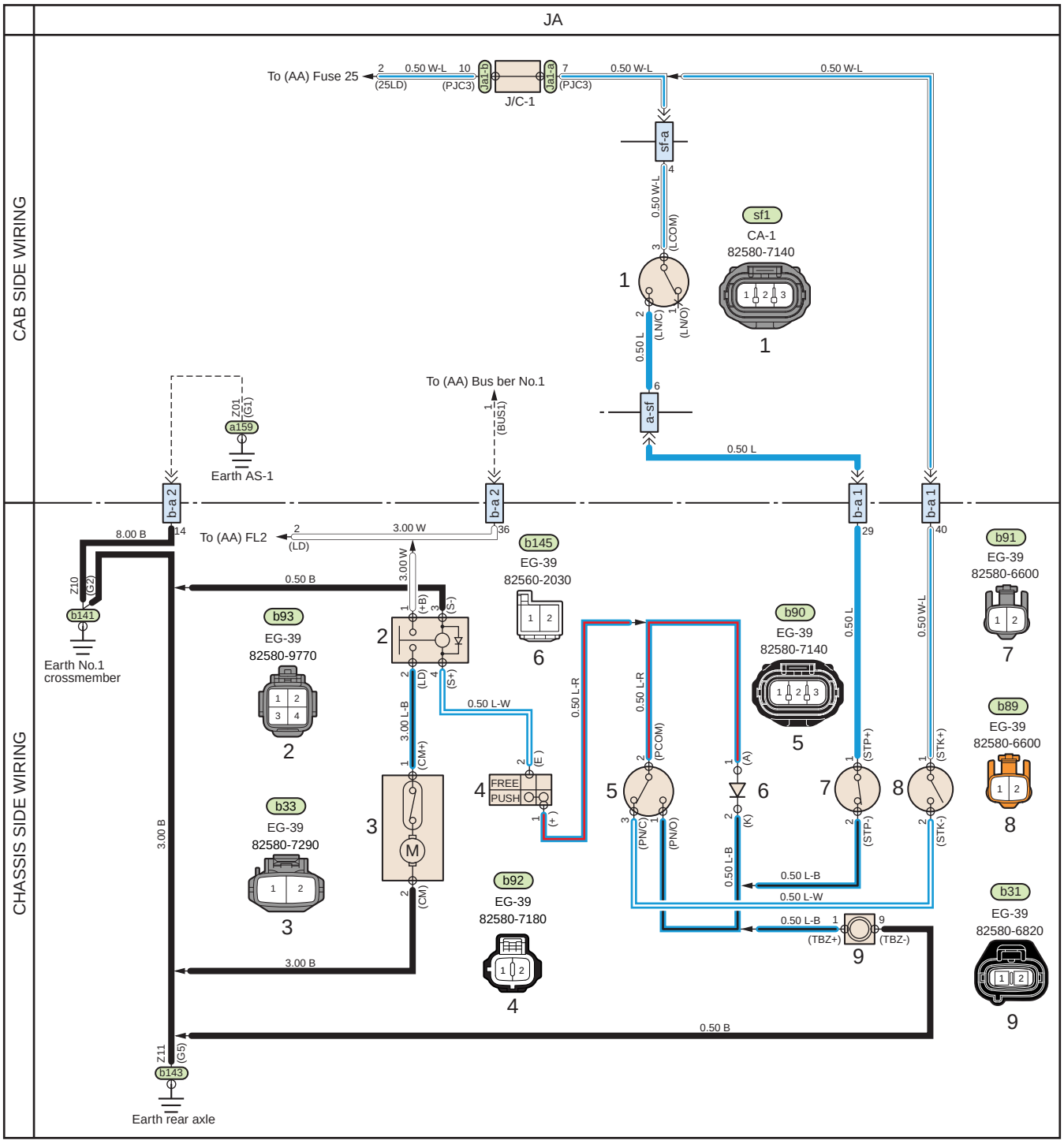

**ID. AUTOMATIC TRANSMISSION CIRCUIT**

1. Diagnosis connector (ATM)
2. Automatic transmission shift selector
3. Automatic transmission ECU
4. Automatic transmission main unit 1
5. Automatic transmission main unit 2
6. Automatic transmission neutral diode
7. Automatic transmission backup light relay
8. Output speed sensor
9. Engine speed sensor

https://truckmanualshub.com/



https://truckmanualshub.com/

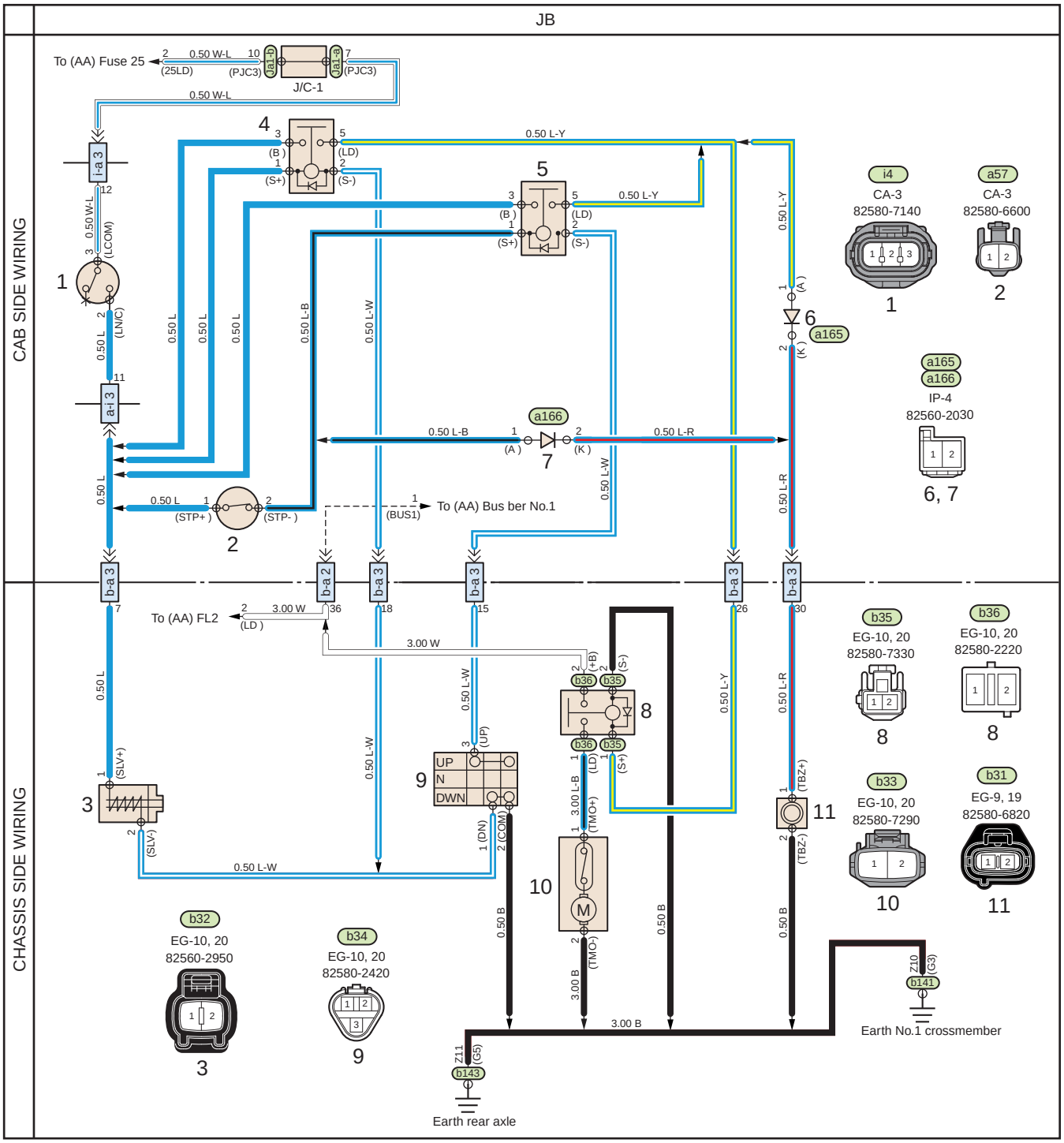



SHTS12Z160200153

**JA. CAB TILT CIRCUIT (FOR SINGLE CAB)**

1. Cab tilt lock switch
2. Cab tilt relay
3. Cab tilt motor
4. Cab tilt switch
5. Cab tilt position switch
6. Cab tilt diode No.1
7. Cab tilt stop switch
8. Cab tilt stroke switch
9. Cab tilt buzzer

https://truckmanualshub.com/

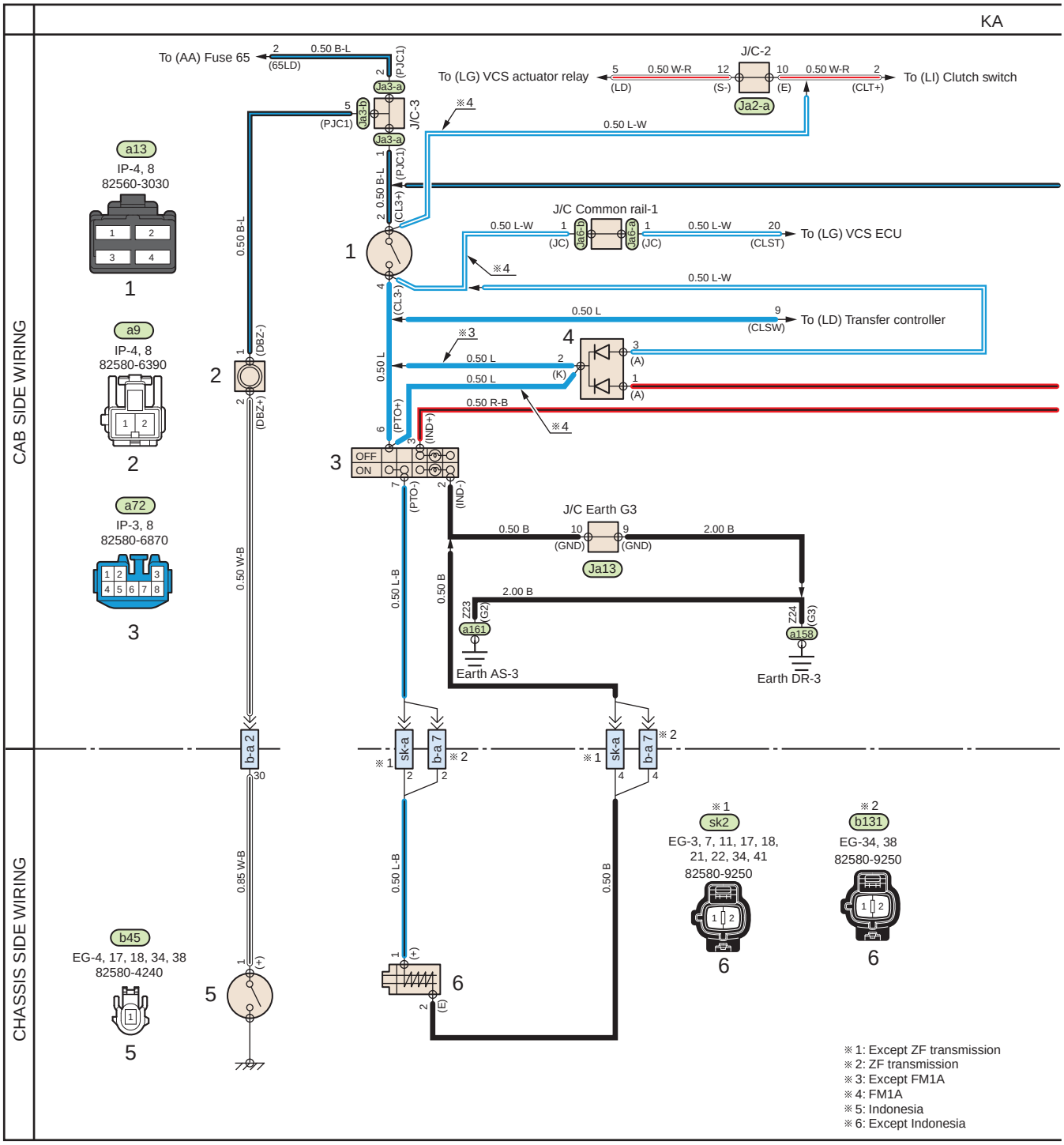



SHTS12Z160200154

**JB. CAB TILT CIRCUIT (FOR DOUBLE CAB)**

1. Cab tilt lock switch
2. Cab tilt stop switch
3. Cab tilt solenoid valve
4. Cab tilt down relay
5. Cab tilt up relay
6. Cab tilt diode No.1
7. Cab tilt diode No.2
8. Cab tilt relay
9. Cab tilt switch
10. Cab tilt motor
11. Cab tilt buzzer

https://truckmanualshub.com/

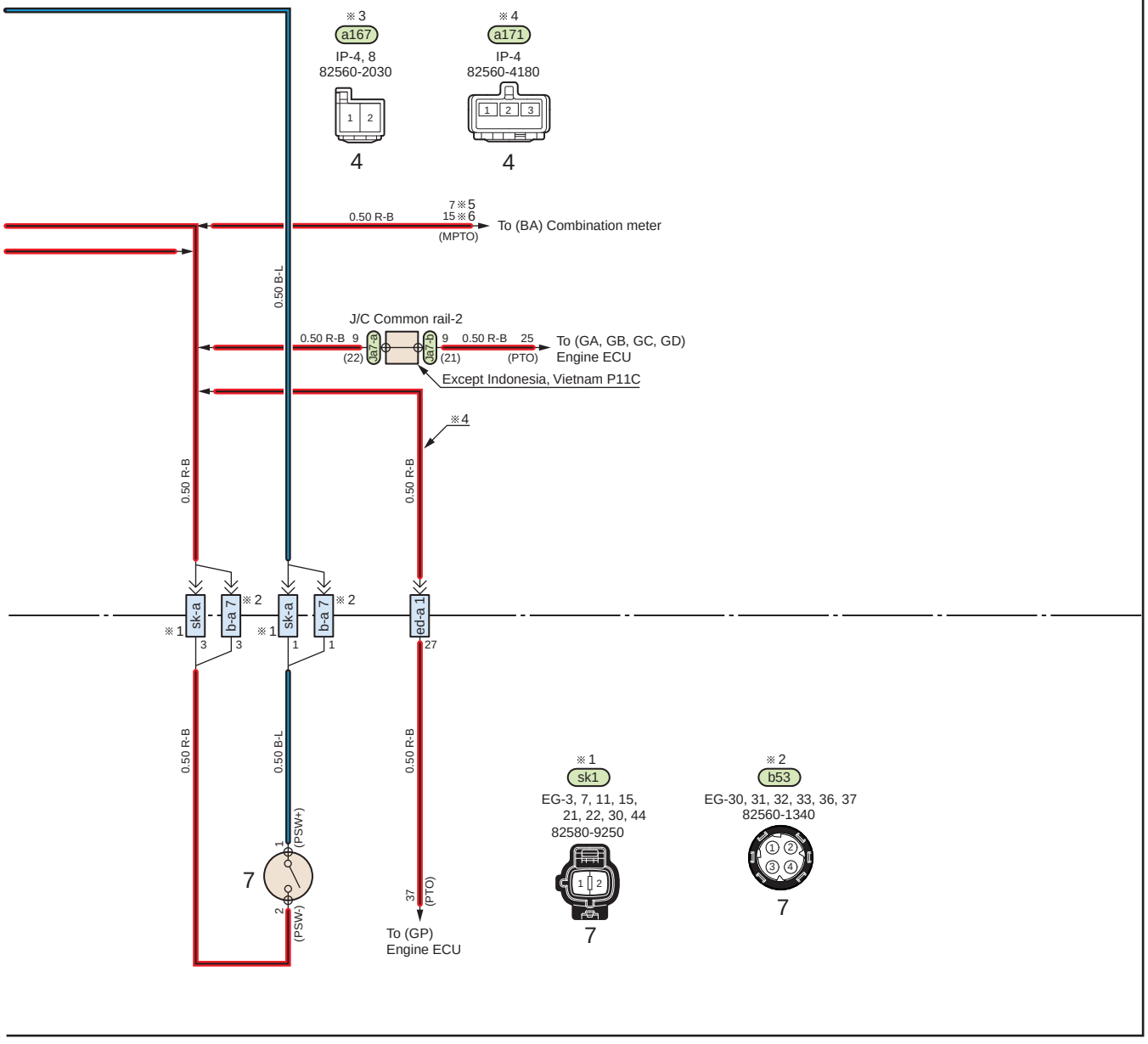



SHTS12Z160200155

**KA. TRANSMISSION P.T.O. CONTROL CIRCUIT (MODELS WITH LX06S, LJ06S, MF06S, HK06S, ZF9S109 AND Z9S1110/1310 TRANSMISSION)**

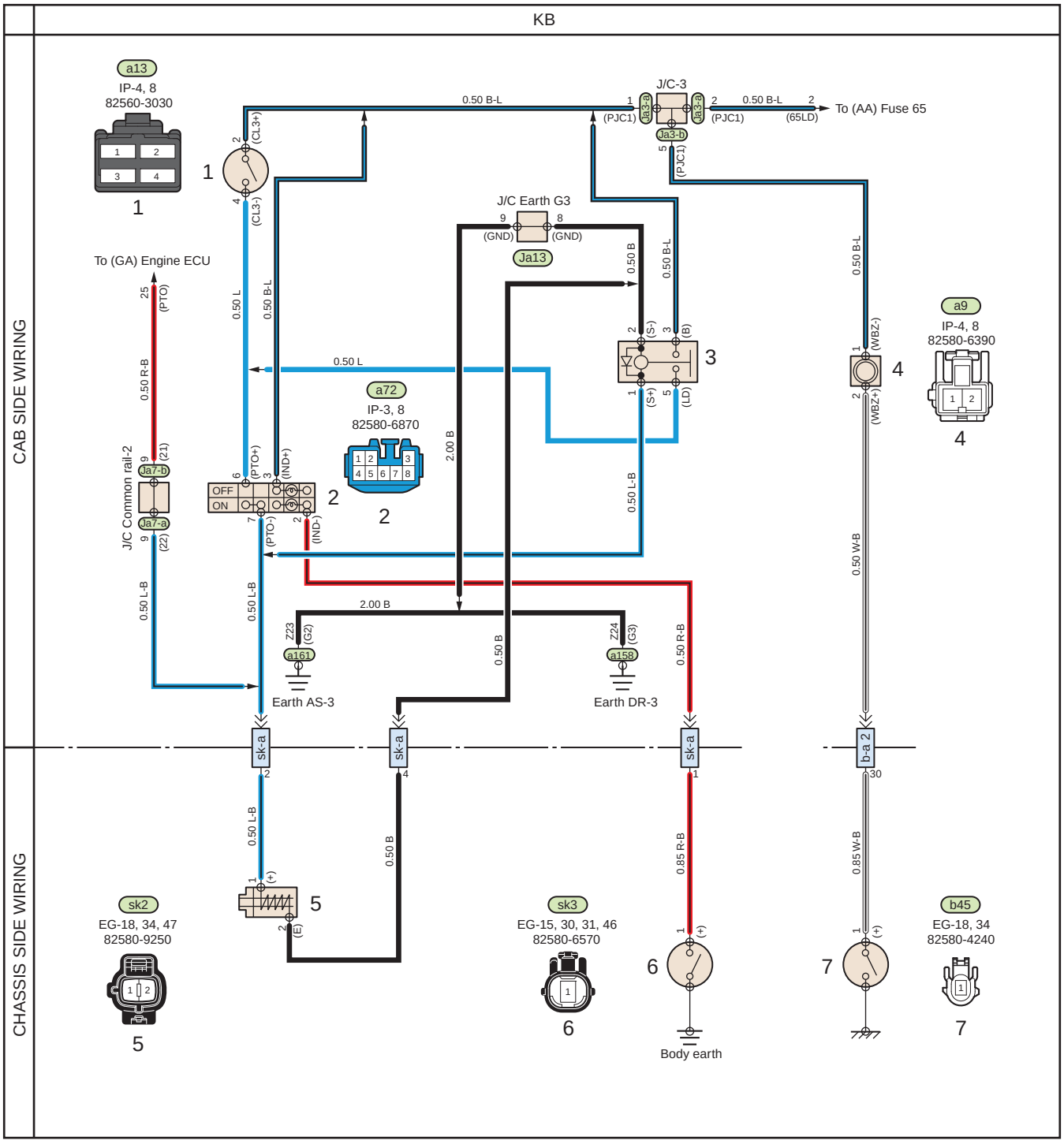
1. P.T.O. clutch switch
2. Dump warning buzzer
3. Transmission P.T.O. switch
4. P.T.O. diode
5. Dump up switch
6. P.T.O. magnetic valve
7. P.T.O. position switch

https://truckmanualshub.com/




SHTS12Z160200156

https://truckmanualshub.com/

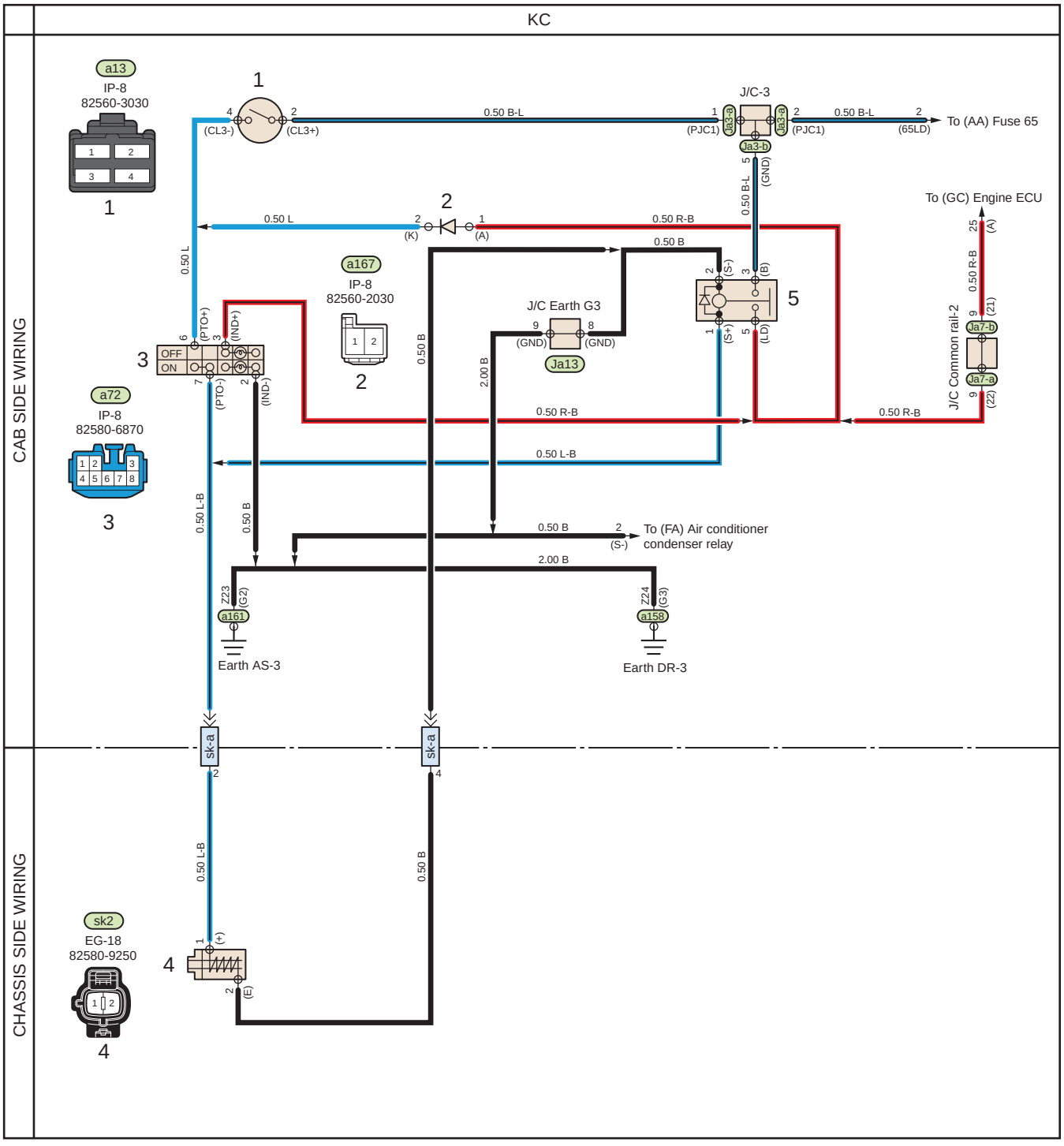



SHTS12Z160200157

**KB. TRANSMISSION P.T.O. CONTROL CIRCUIT [MODELS WITH EATON TRANSMISSION (EXCEPT TAIWAN)]**

1. P.T.O. clutch switch
2. Transmission P.T.O. switch
3. EATON P.T.O. relay
4. Dump warning buzzer
5. P.T.O. magnetic valve
6. P.T.O. position switch
7. Dump up switch

https://truckmanualshub.com/

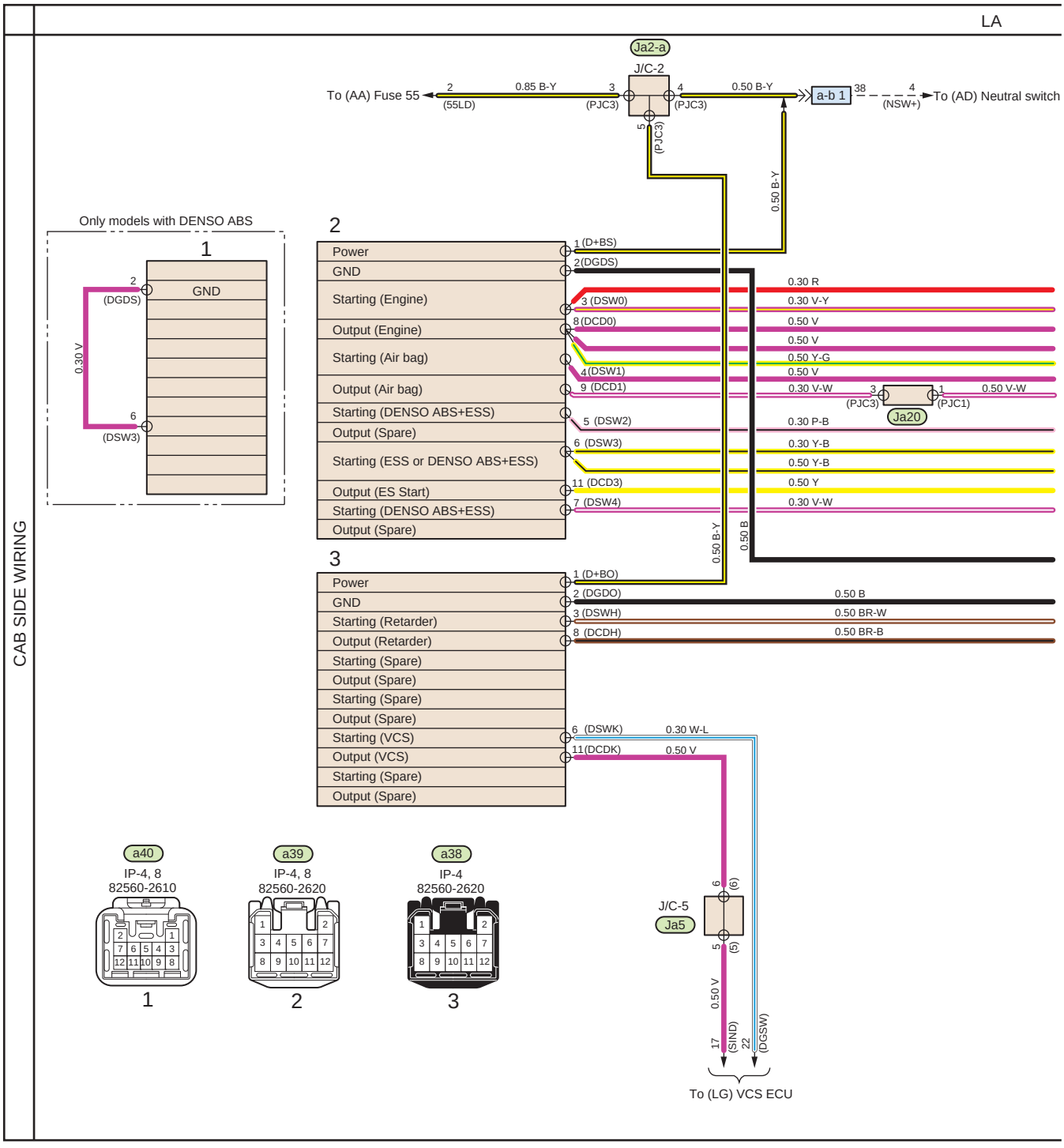



SHTS12Z160200158

**KC. TRANSMISSION P.T.O. CONTROL CIRCUIT [MODELS WITH EATON TRANSMISSION (FOR TAIWAN)]**

1. P.T.O. clutch switch
2. P.T.O. diode
3. Transmission P.T.O. switch
4. P.T.O. magnetic valve
5. EATON P.T.O. relay

https://truckmanualshub.com/

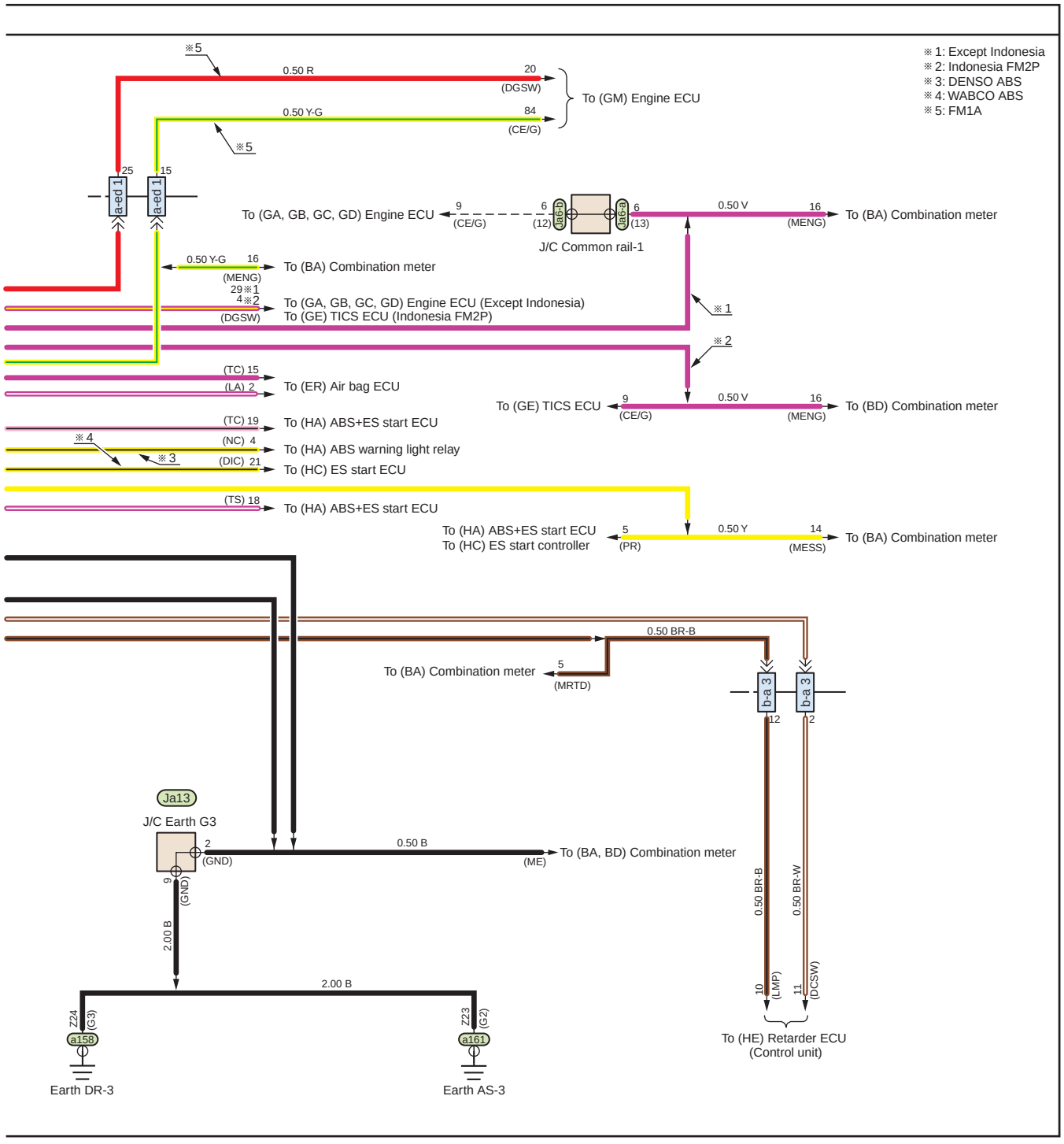



SHTS12Z160200159

**LA. DIAGNOSIS MONITOR CIRCUIT**

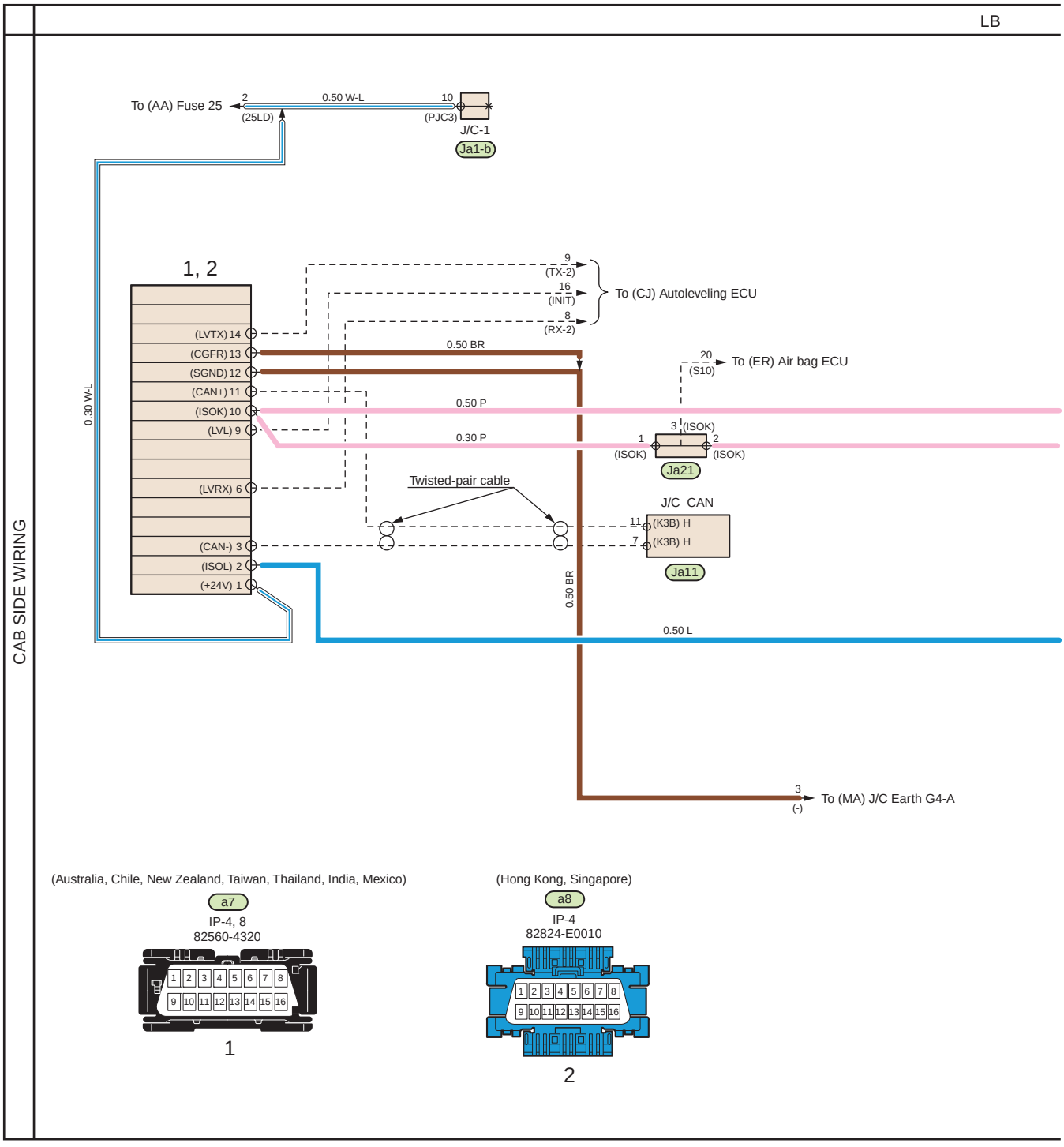
1. Diagnosis short circuit connector
2. Diagnosis connector (White)
3. Diagnosis connector (Black)

https://truckmanualshub.com/




SHTS12Z160200160

https://truckmanualshub.com/



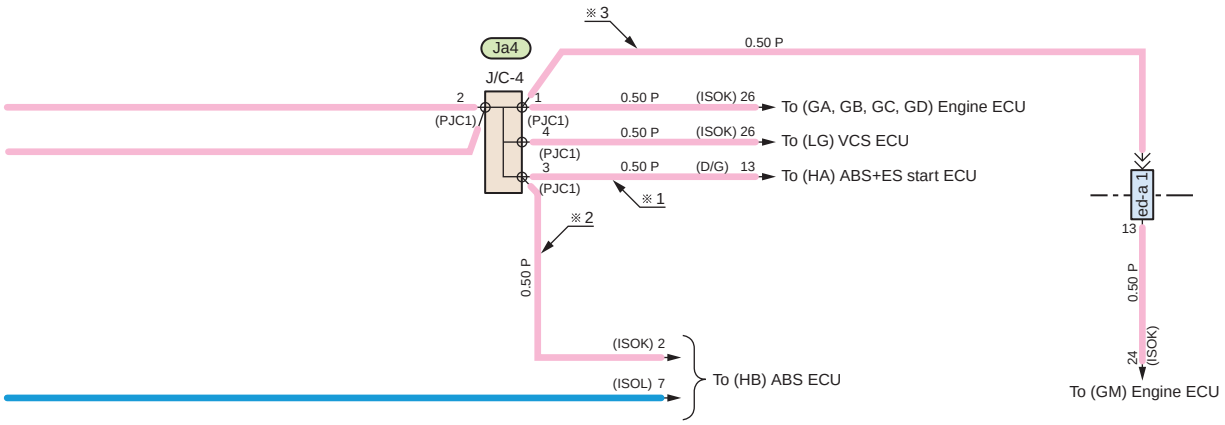

SHTS12Z160200161

**LB. DIAGNOSIS CONNECTOR (16 PIN) CIRCUIT**

1. Diagnosis connector (16 pin)
2. DLC4

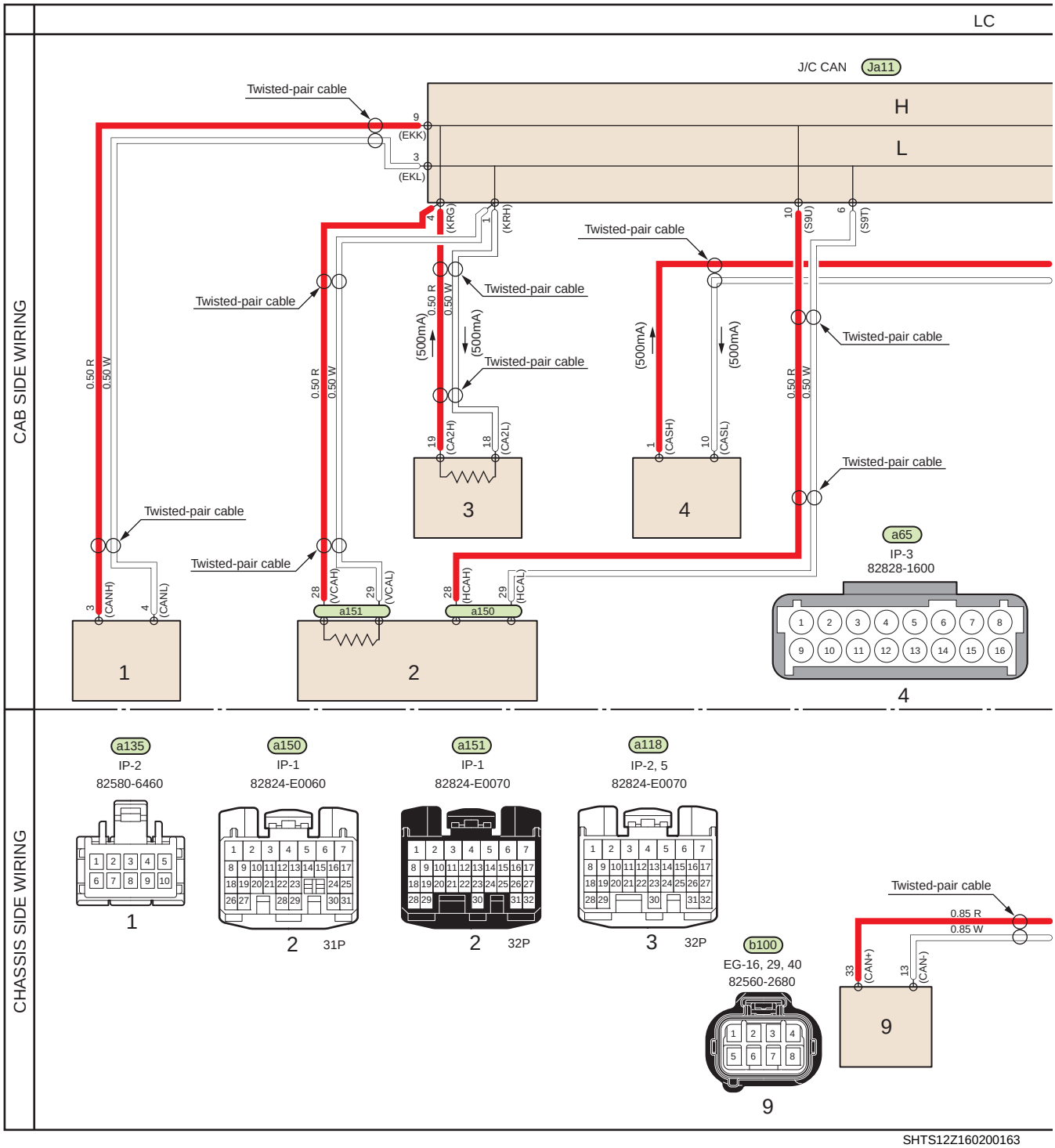
https://truckmanualshub.com/

※1: DENSO ABS
※2: WABCO ABS
※3: FM1A




SHTS12Z160200162

https://truckmanualshub.com/

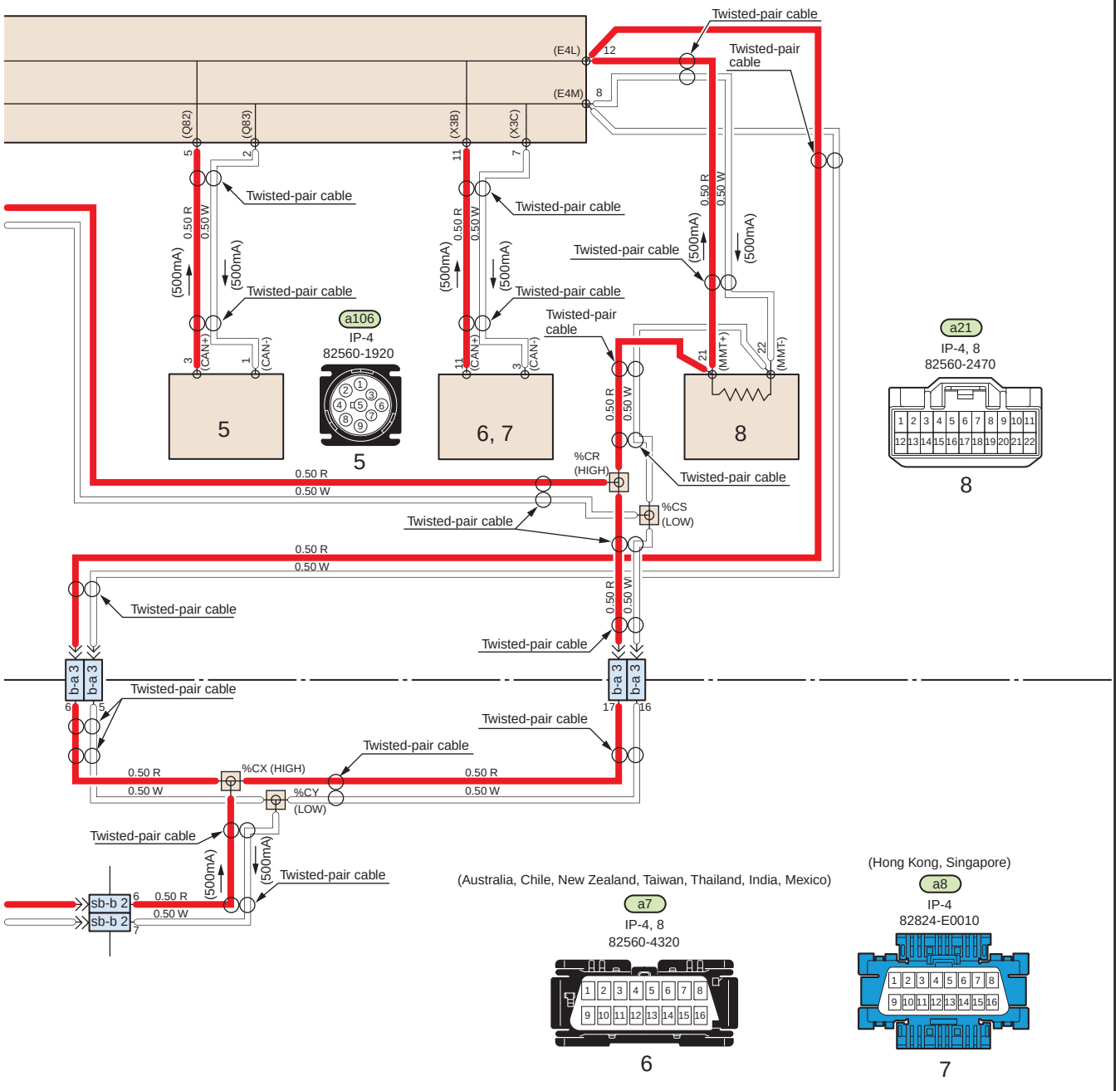



SHTS12Z160200163

**LC. CAN (CONTROLLER AREA NETWORK) CIRCUIT**

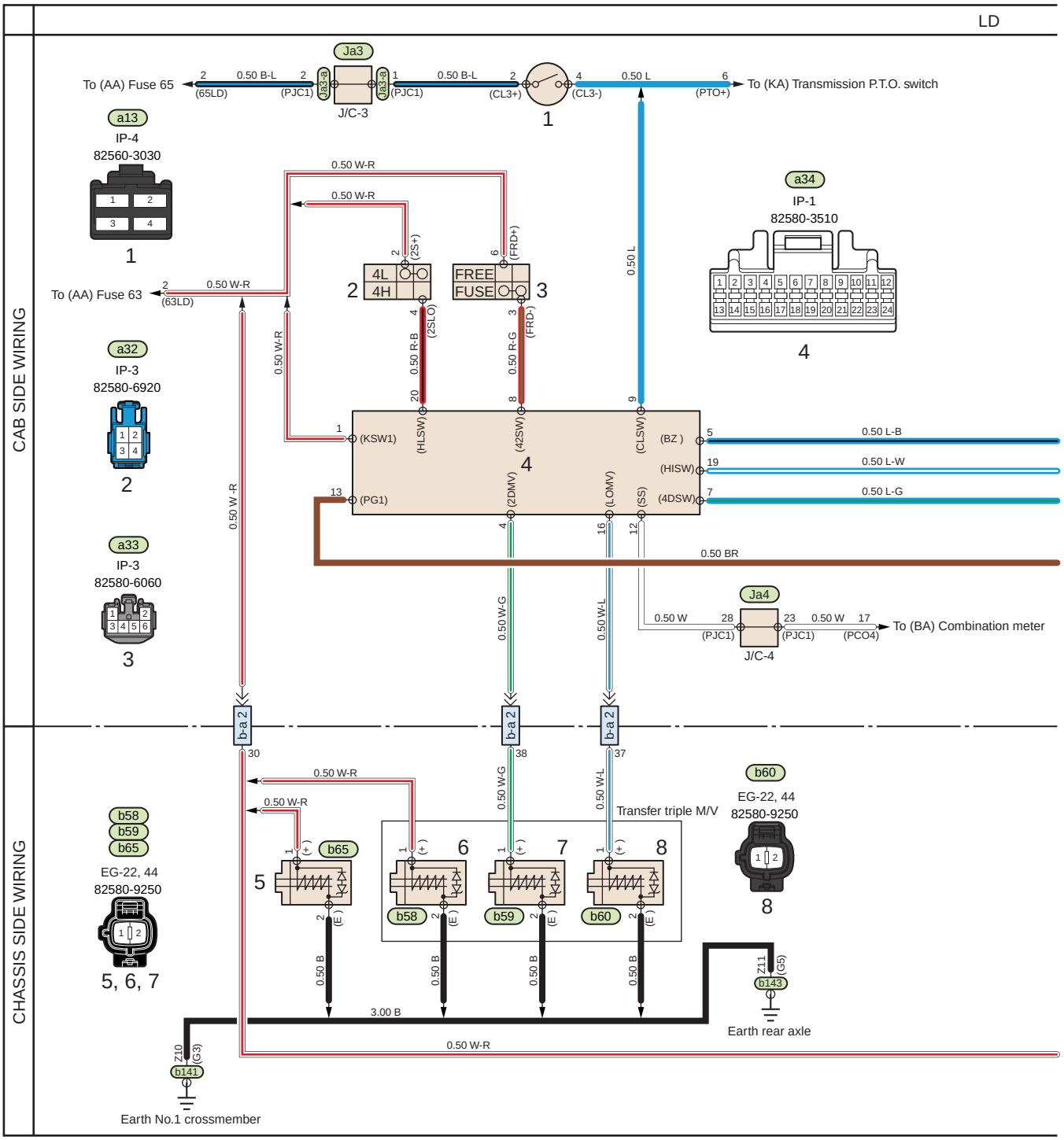
1. Drive master unit
2. VCS ECU (A09C)
3. Engine ECU (Except A09C)
4. Automatic transmission shift selector
5. Diagnosis connector (ATM)
6. Diagnosis connector (16 pin)
7. DLC4
8. Combination meter
9. Automatic transmission ECU

https://truckmanualshub.com/




SHTS12Z160200164

https://truckmanualshub.com/

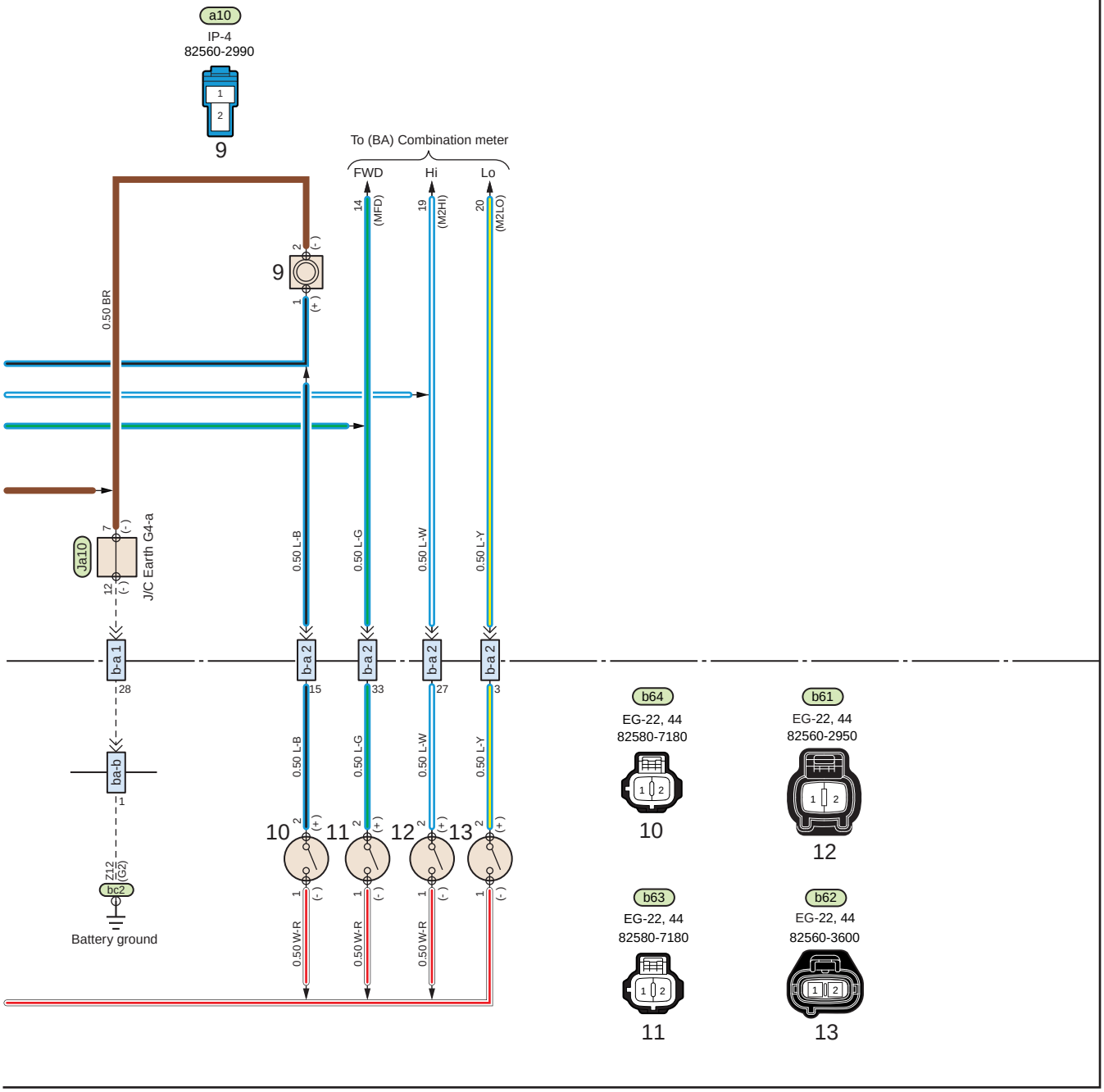



SHTS12Z160200165

**LD. TRANSFER CONTROL CIRCUIT**

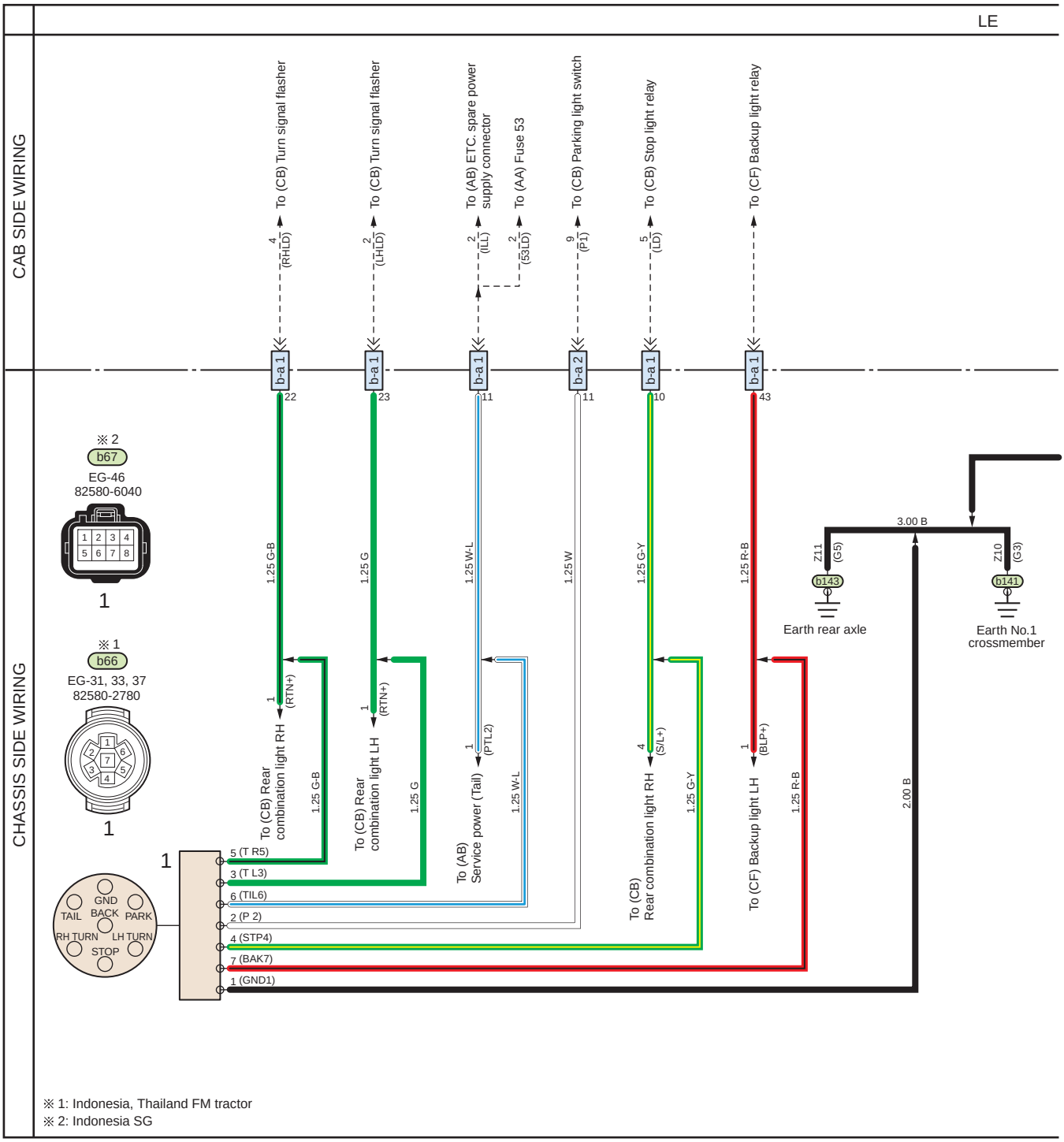
1. P.T.O. clutch switch
2. Transfer High/Low selector switch
3. 4WD selector switch
4. Transfer controller
5. Transfer control magnetic valve (Holding low position)
6. Transfer control magnetic valve (Holding)
7. Transfer control magnetic valve (4WD/2WD change)
8. Transfer control magnetic valve (High/Low change)
9. Transfer warning buzzer
10. Neutral switch
11. 4WD detection switch
12. High detection switch
13. Low detection switch

https://truckmanualshub.com/




SHTS12Z160200166

https://truckmanualshub.com/

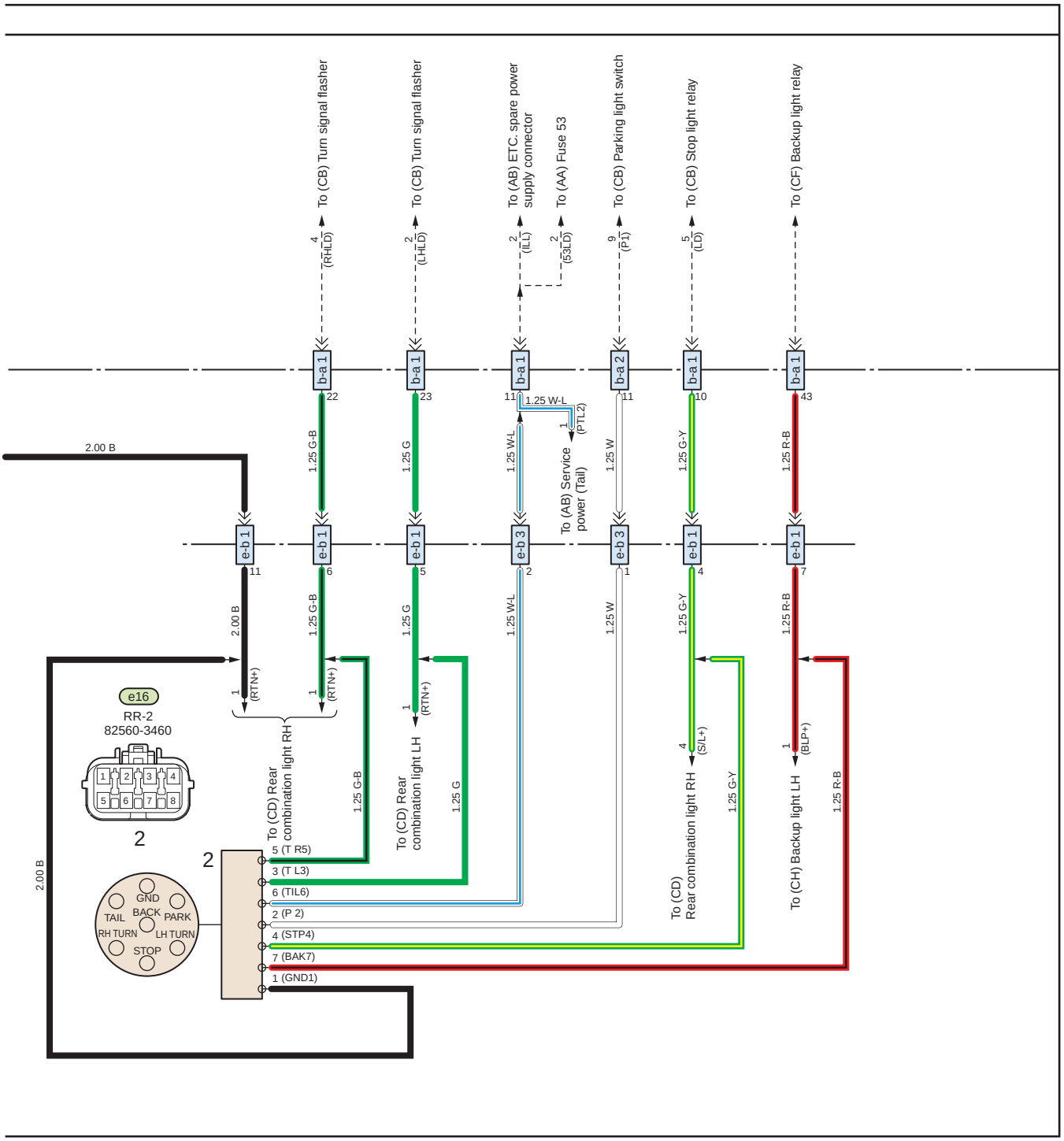



SHTS12Z160200167

**LE. TRAILER CONNECTOR CIRCUIT**

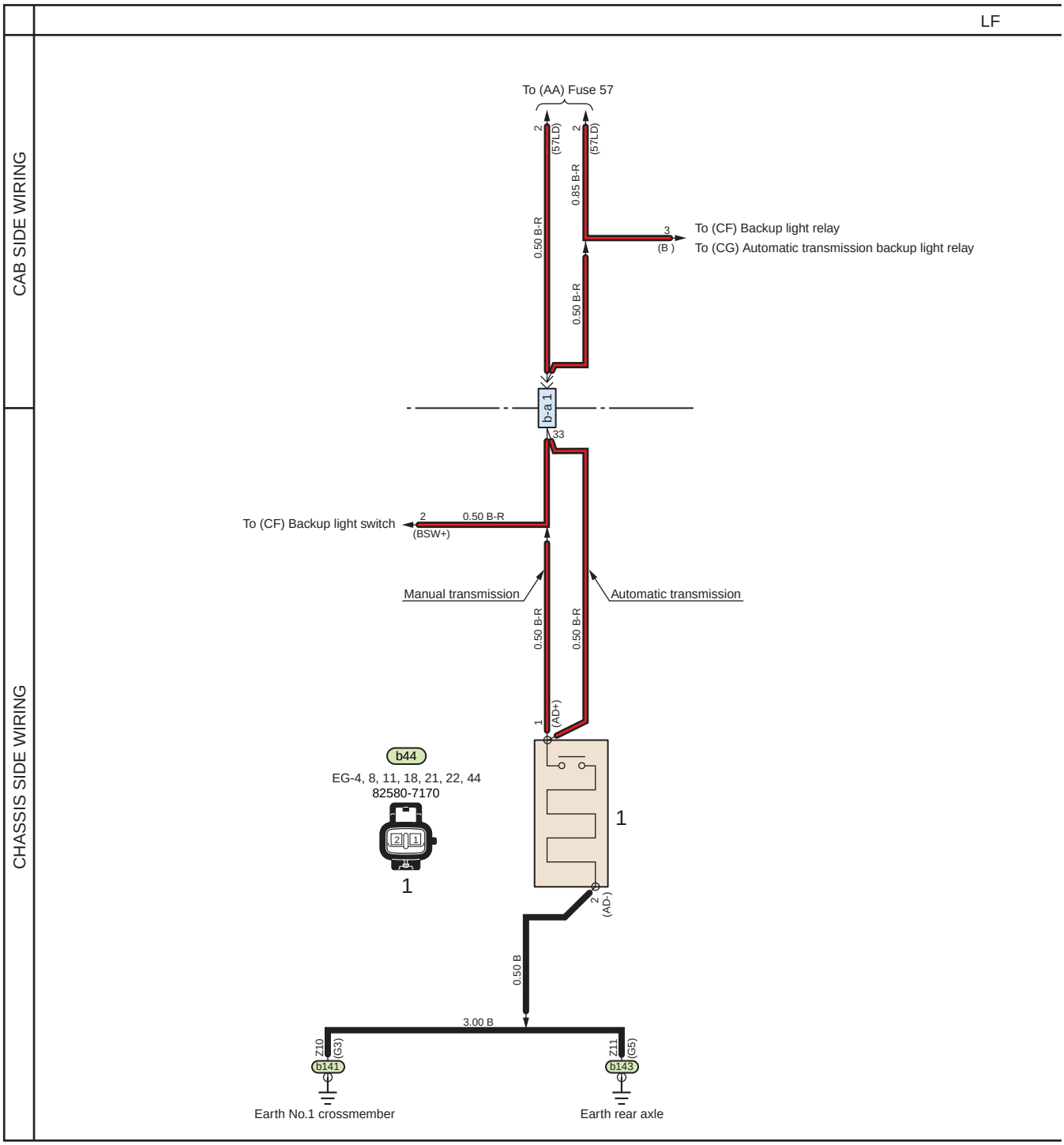
1. Trailer socket
2. Trailer socket (New Zealand FM mixer truck)

https://truckmanualshub.com/




SHTS12Z160200168

https://truckmanualshub.com/




SHTS12Z160200169

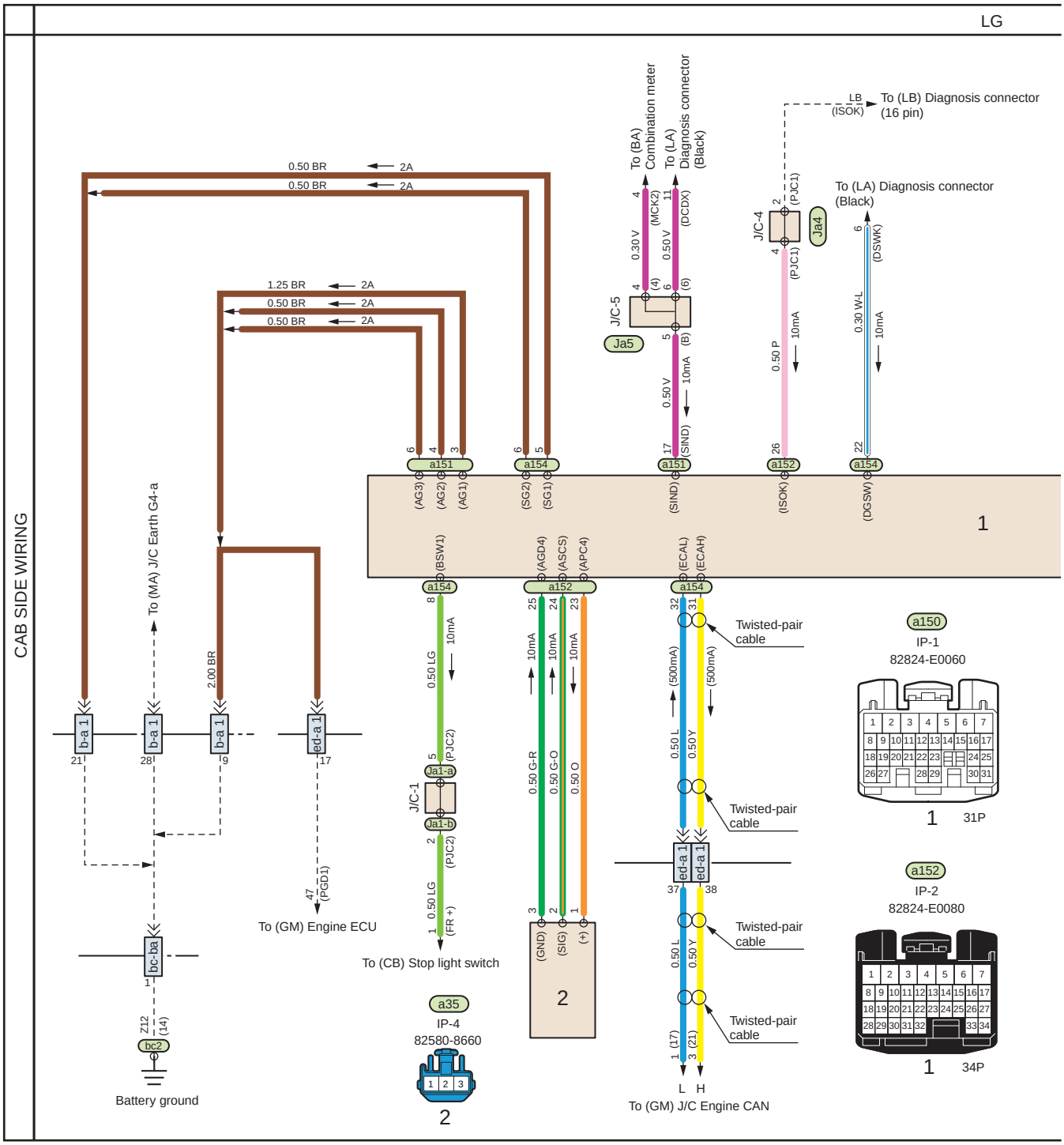
**LF. AIR DRYER HEATER CIRCUIT**

1. Air dryer heater

https://truckmanualshub.com/

SHTS12Z160200170

https://truckmanualshub.com/

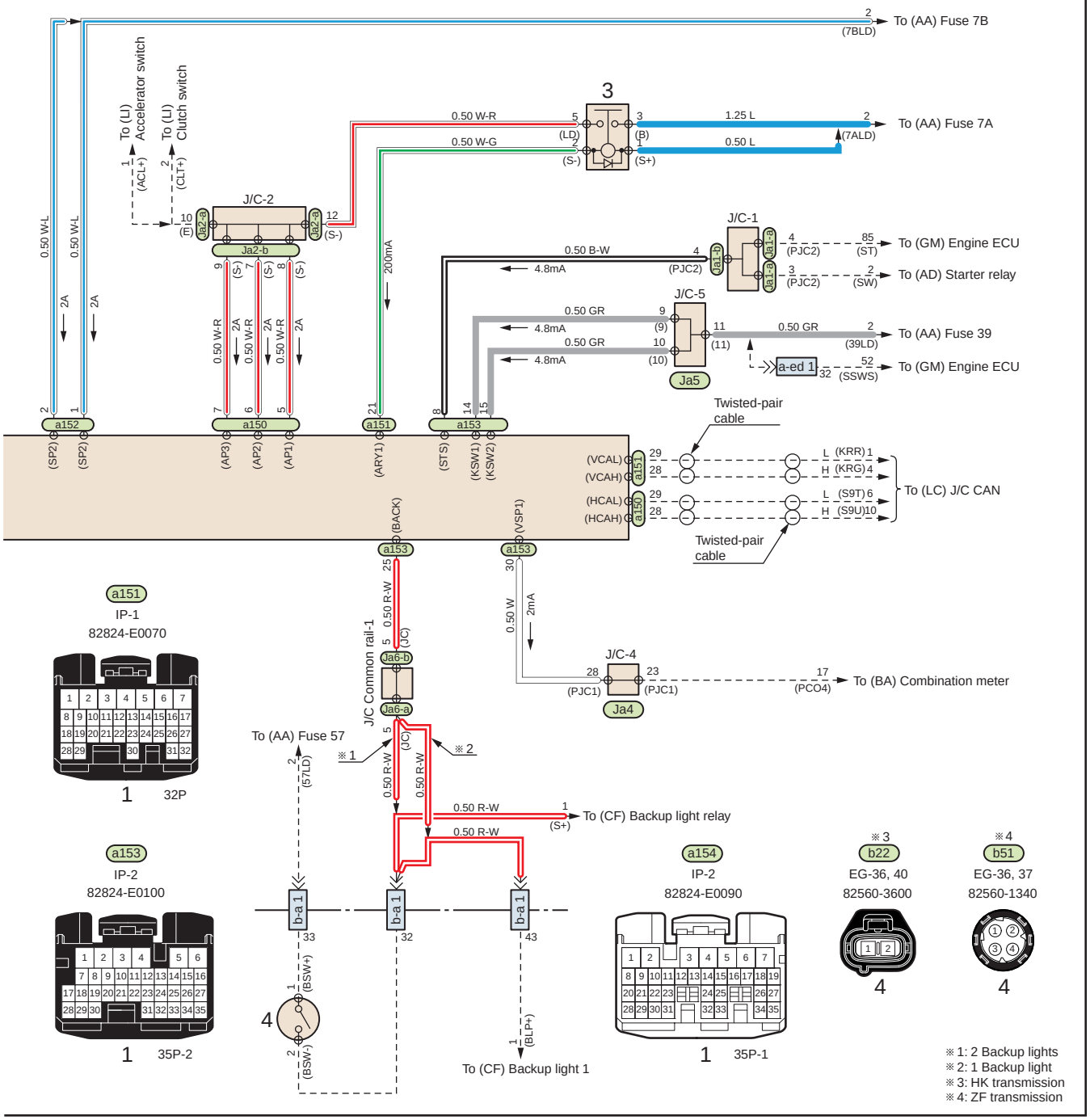



SHTS12Z160200171

**LG. VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.1**

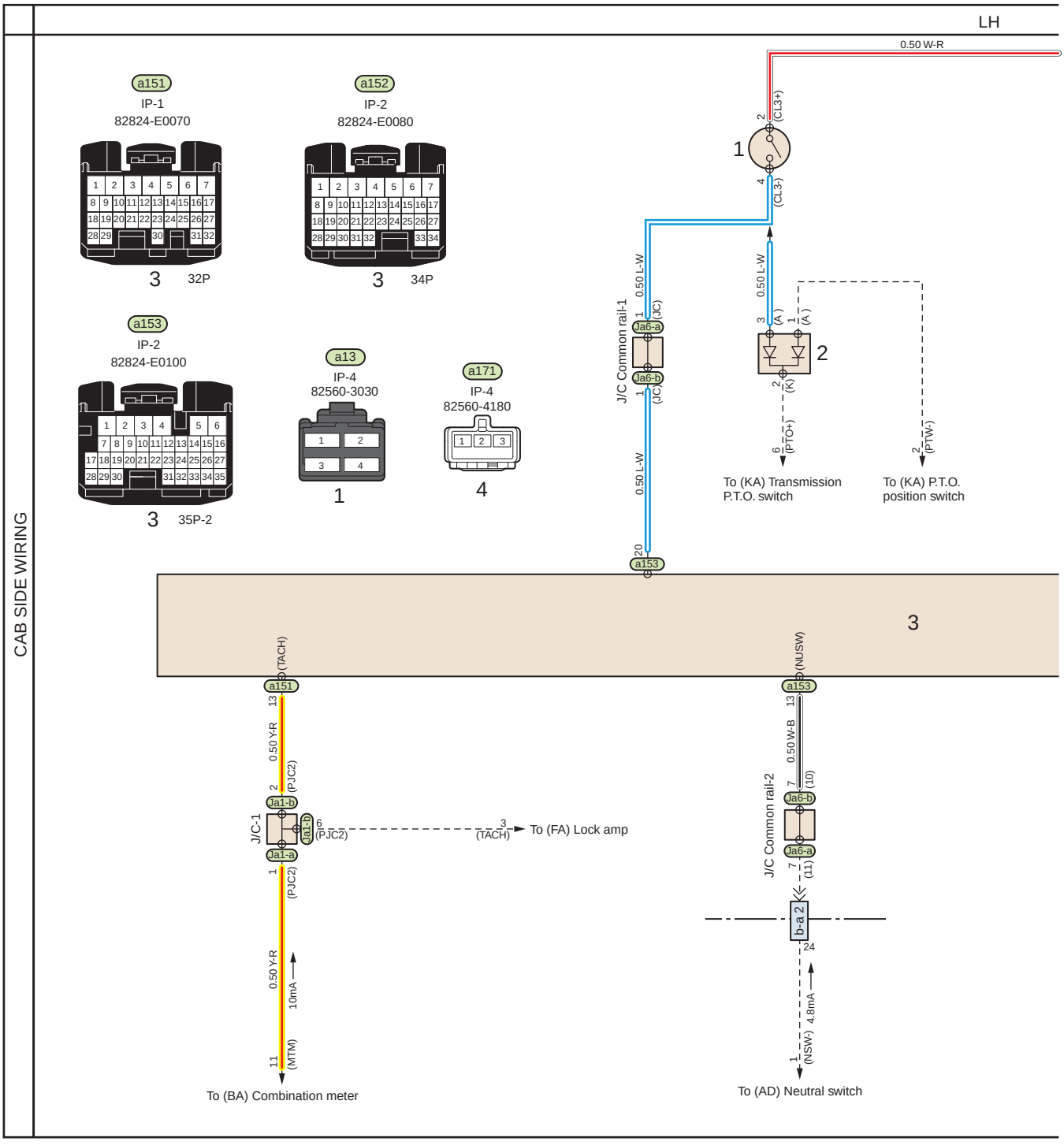
1. VCS ECU
2. Idle volume
3. VCS actuator relay
4. Backup light switch

https://truckmanualshub.com/




SHTS12Z160200172

https://truckmanualshub.com/

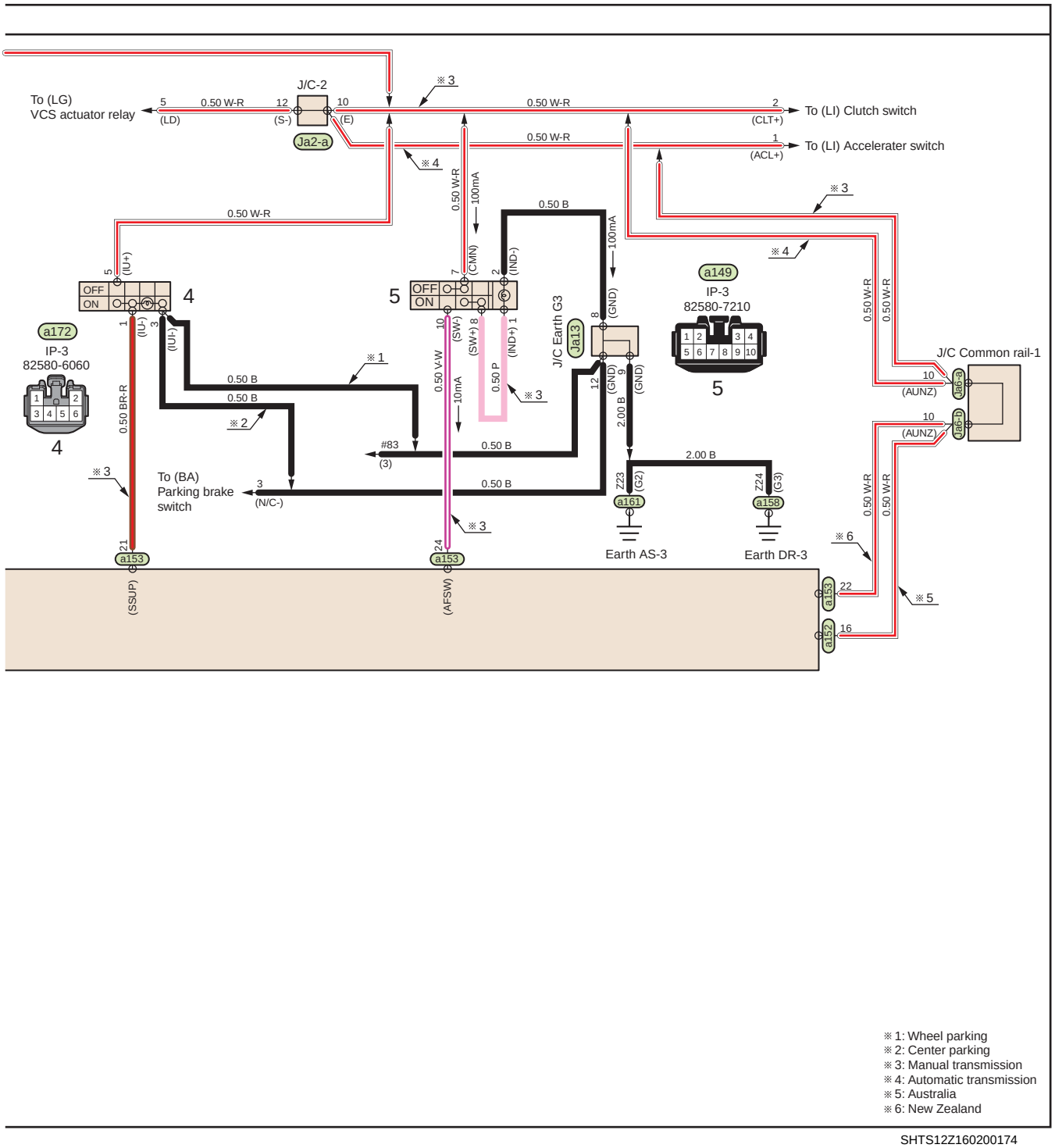



SHTS12Z160200173

**LH. VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.2**

1. P.T.O. clutch switch
2. P.T.O. diode
3. VCS ECU
4. Idle up switch
5. Power mode switch

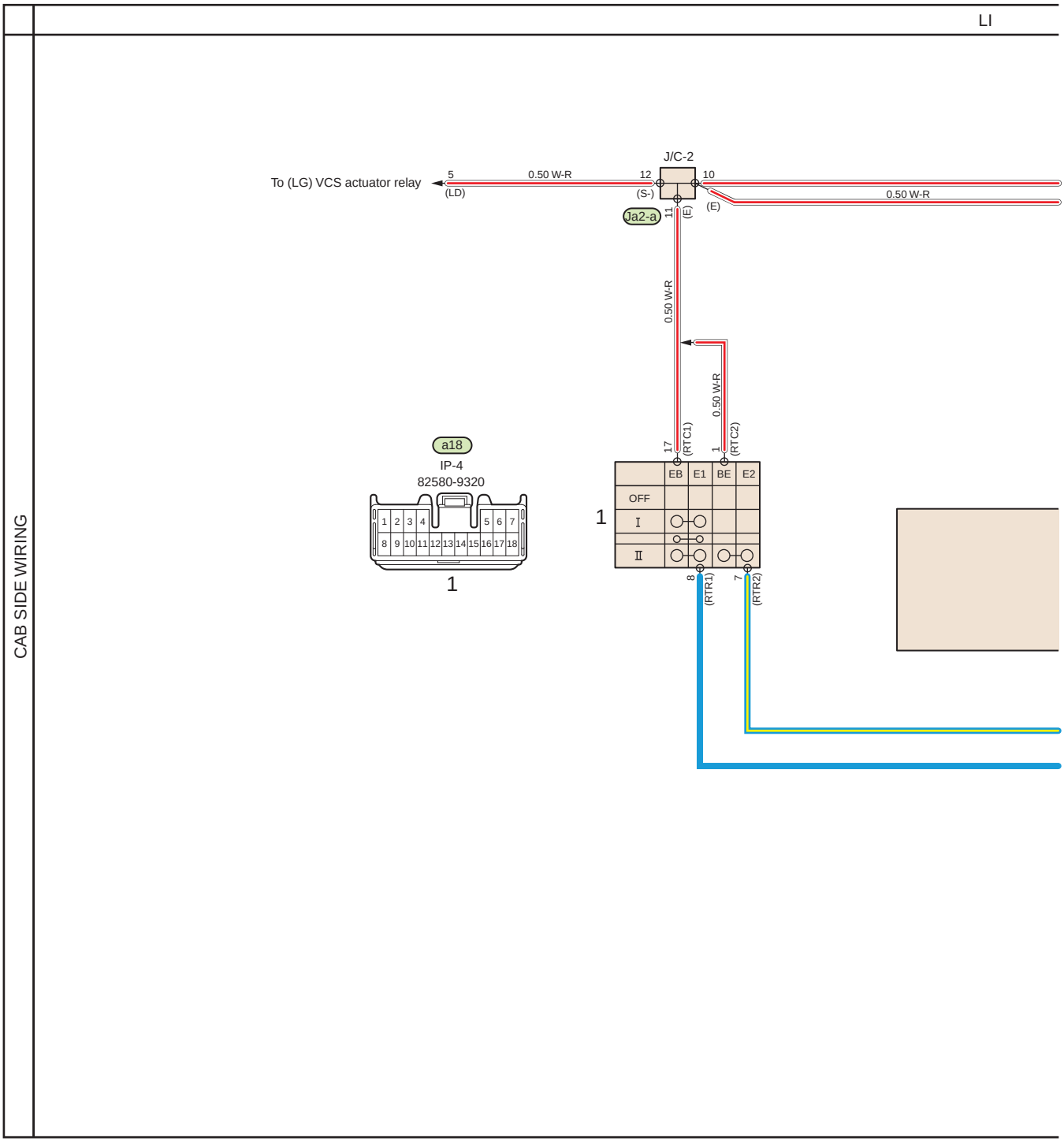
https://truckmanualshub.com/




※1: Wheel parking
※2: Center parking
※3: Manual transmission
※4: Automatic transmission
※5: Australia
※6: New Zealand

SHTS12Z160200174

https://truckmanualshub.com/

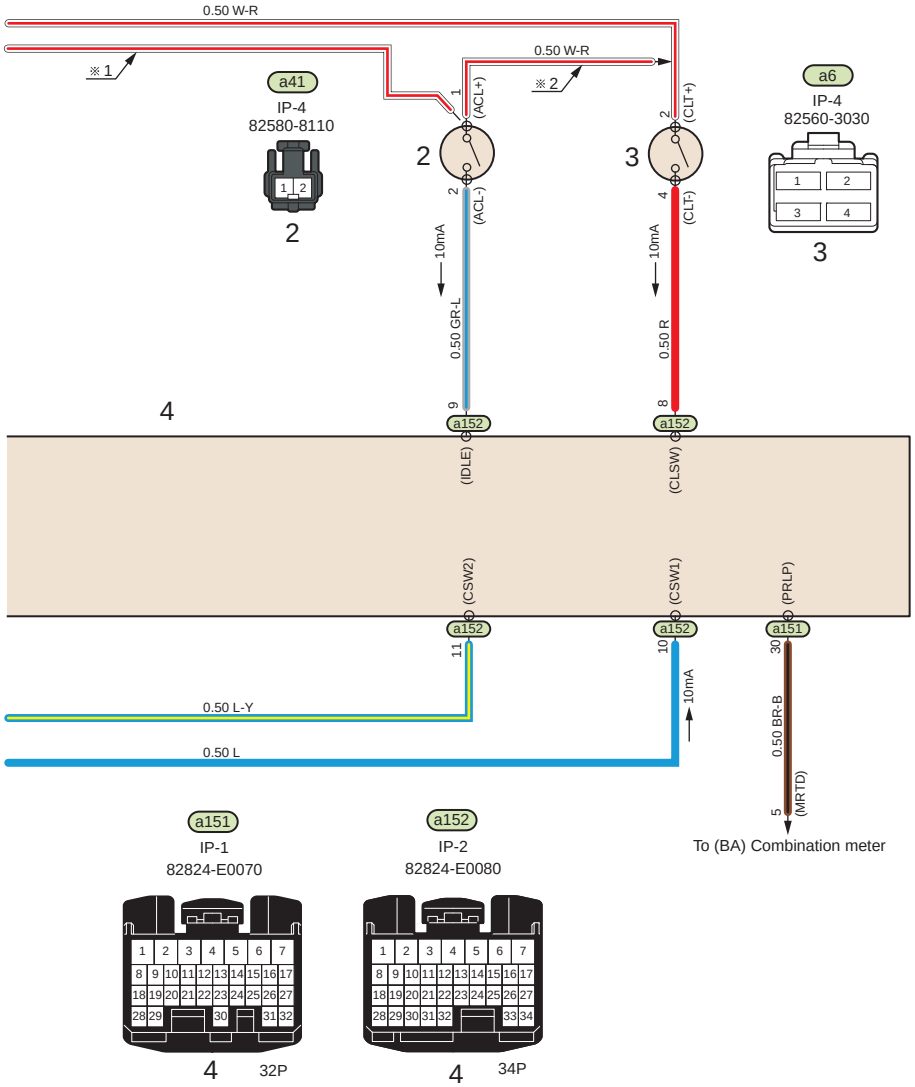



SHTS12Z160200175

**LI. VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No.3**

1. Wiper and retarder switch
2. Accelerator switch
3. Clutch switch
4. VCS ECU

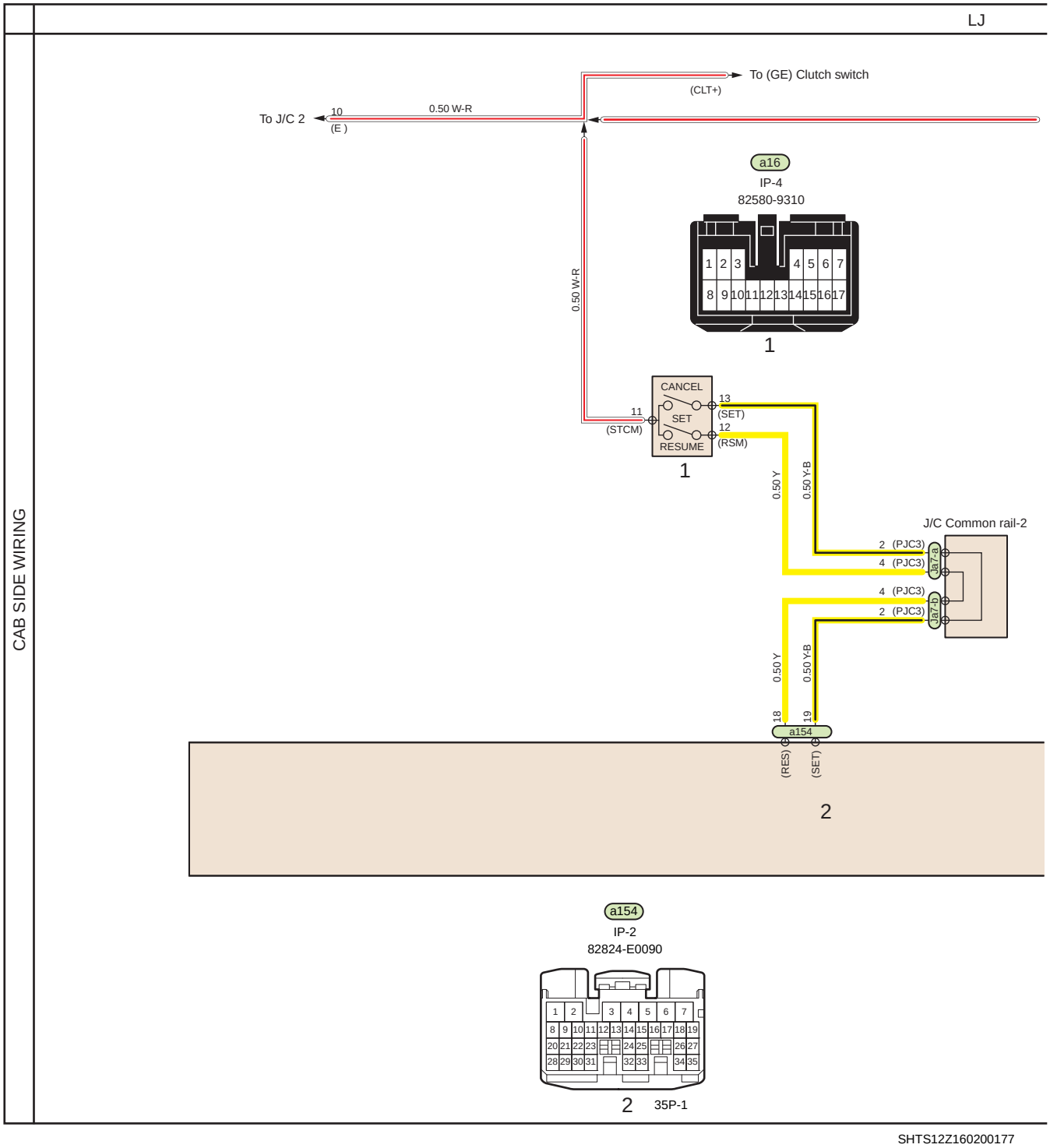
https://truckmanualshub.com/




※1: Automatic transmission
※2: Manual transmission

SHTS12Z160200176

https://truckmanualshub.com/

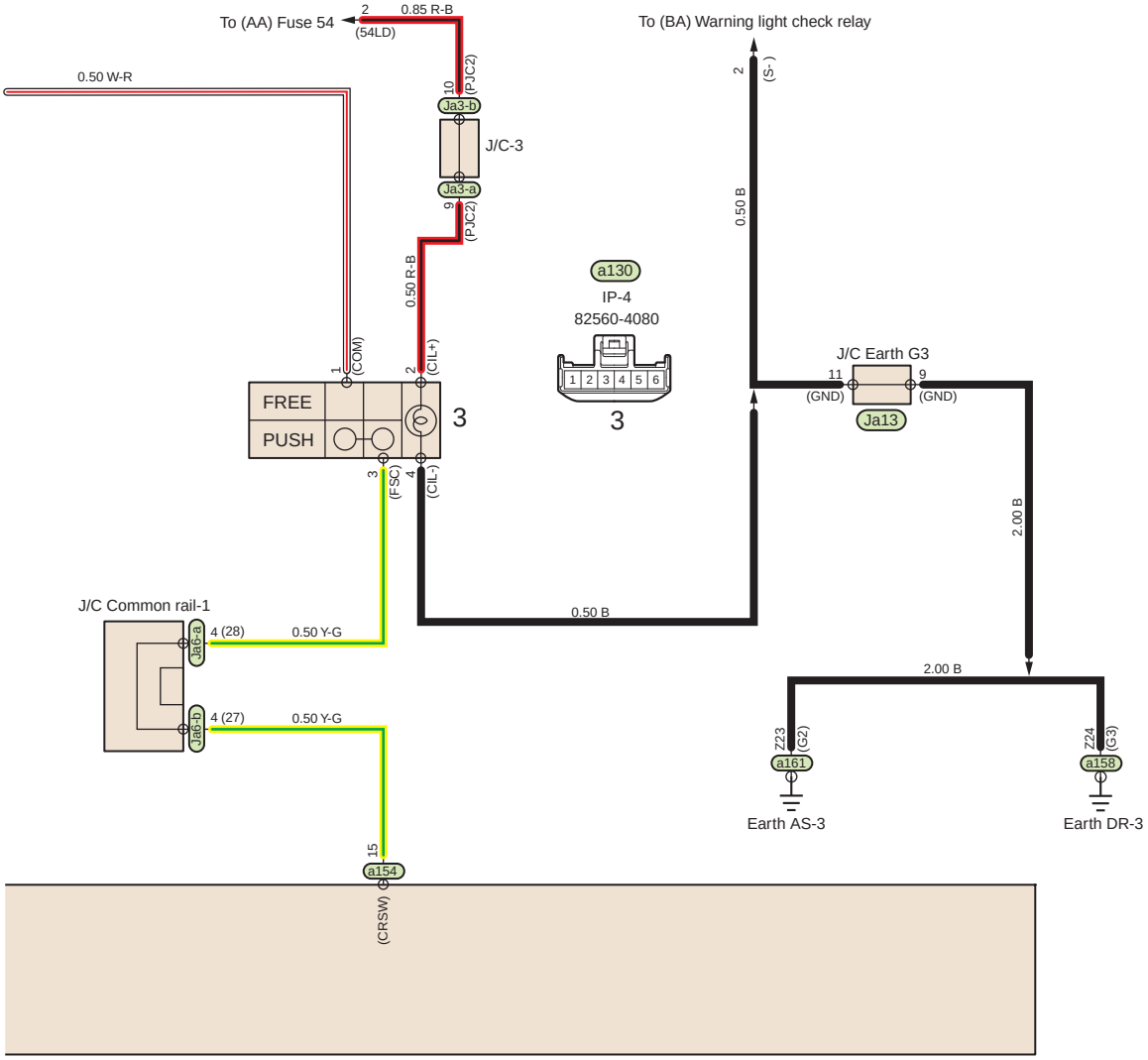



SHTS12Z160200177

**LJ VCS (VEHICLE CONTROL SYSTEM) ECU CIRCUIT No. 4**

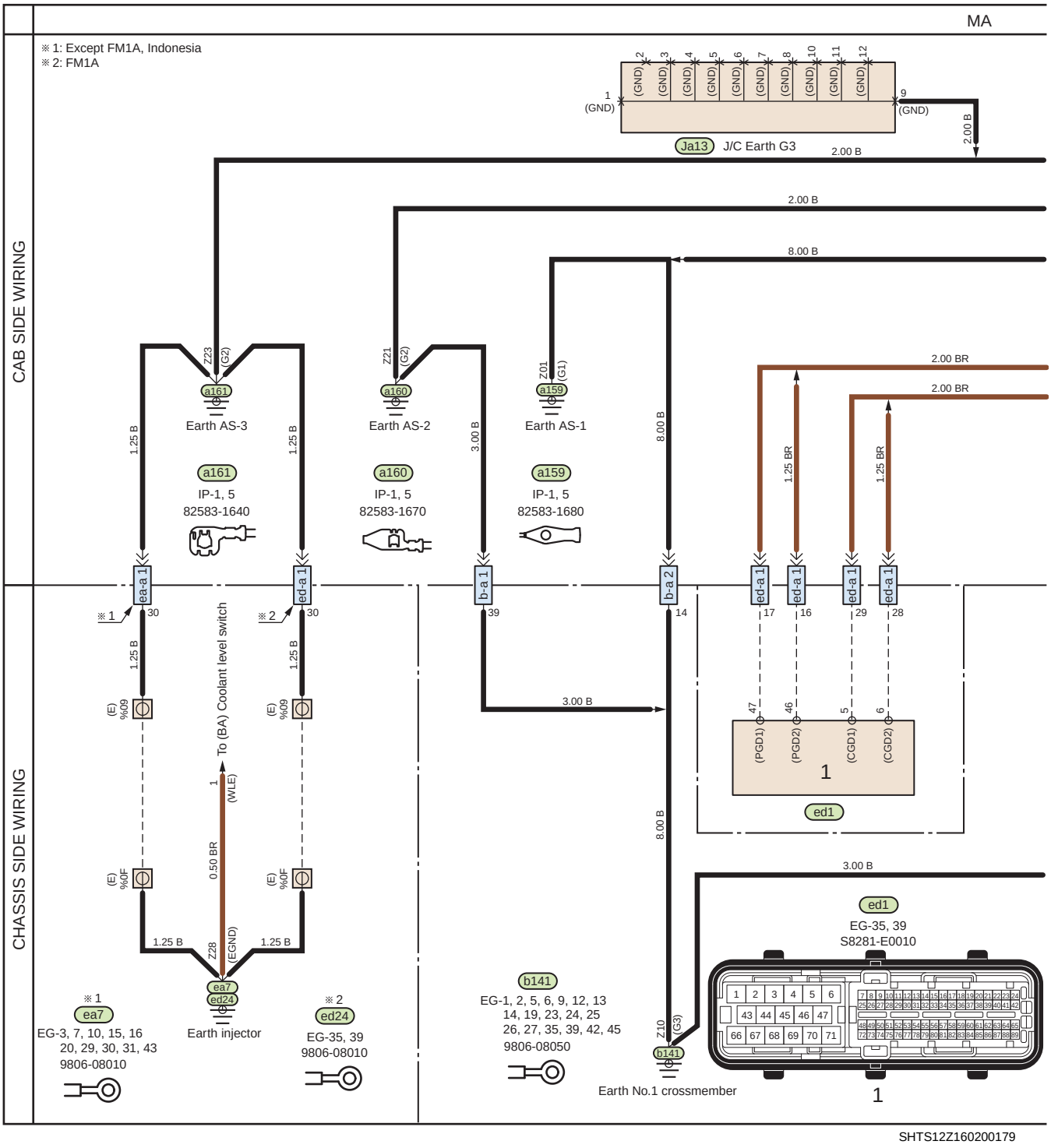
1. Light and turn switch
2. VCS ECU
3. Auto crusing switch

https://truckmanualshub.com/




SHTS12Z160200178

https://truckmanualshub.com/

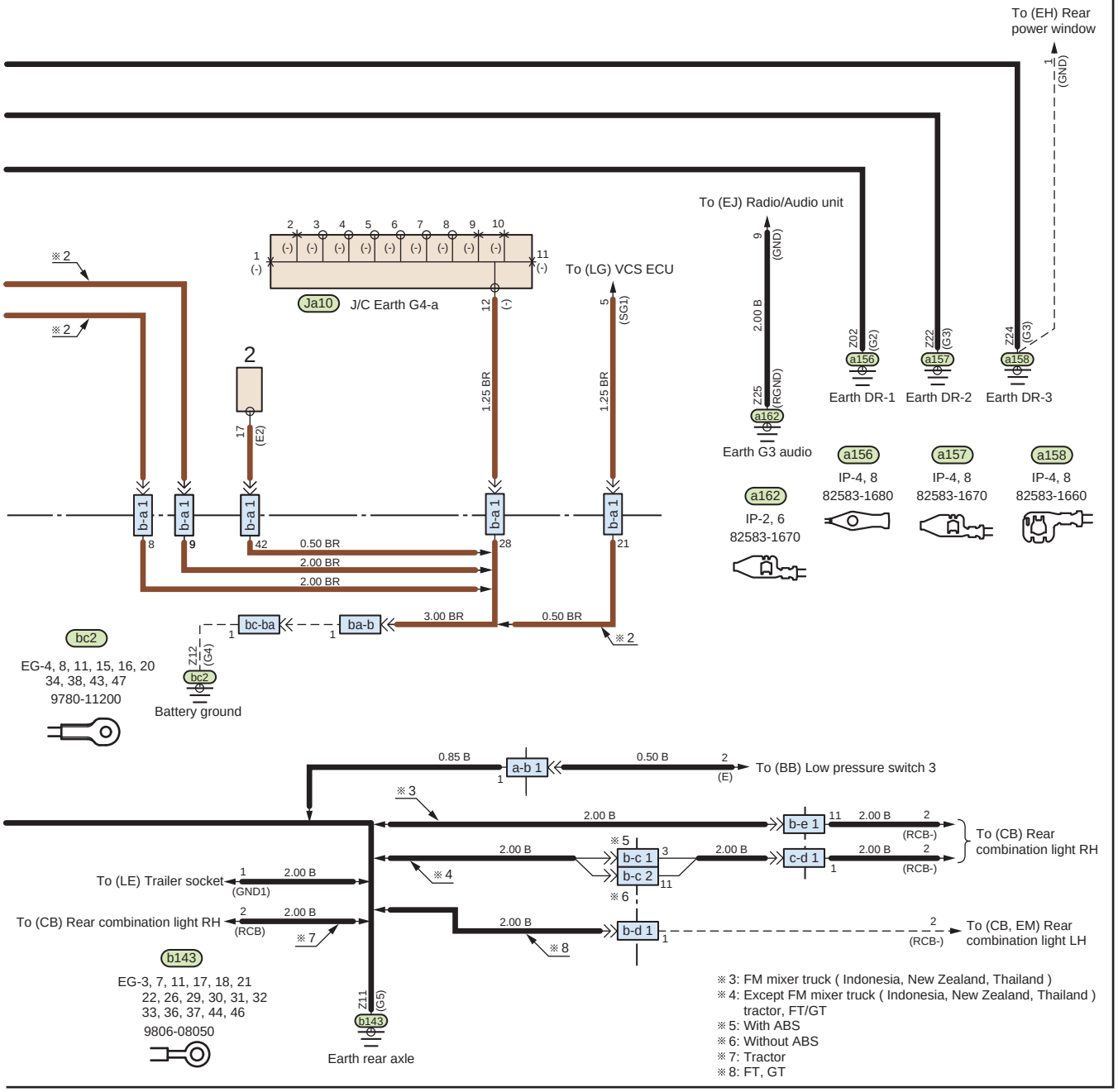



SHTS12Z160200179

**MA. GROUND CIRCUIT**

1. Engine ECU
2. Air bag ECU

https://truckmanualshub.com/




SHTS12Z160200180

https://truckmanualshub.com/

# WIRE TO WIRE CONNECTOR

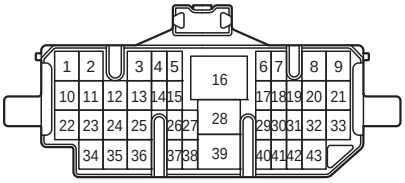
EN12Z1602J100004

| a-b 1 / b-a 1 | Cab main wiring harness to Front wiring harness 1 |
|---|---|
| AA, AB, AD, AE, AH, BA, BD, BE, BG, BI, CA, CB, CC, CD, CE, CF, CH, CI, CJ, EM, ER, GA, GB, GC, GD, GE, GF, GG, GH, GM, HB, HC, HE, IA, IB, ID, JA, LA, LD, LE, LF, LG, MA | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 39 |

82560-2110, White, Male

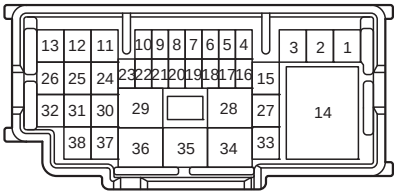



82560-2120, White, Female

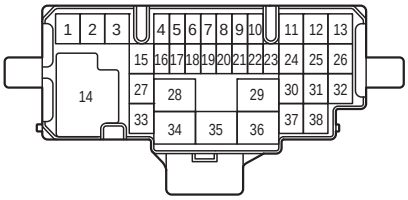



| a-b 2 / b-a 2 | Cab main wiring harness to Front wiring harness 2 |
|---|---|
| AA, AD, BA, BB, BC, BD, BE, BF, CB, CD, CI, CK, EE, EM, FA, GM, HA, HC, HD, HF, IC, ID, JA, KA, KB, LD, LE, MA | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 39, 42 |

82560-2130, White, Male

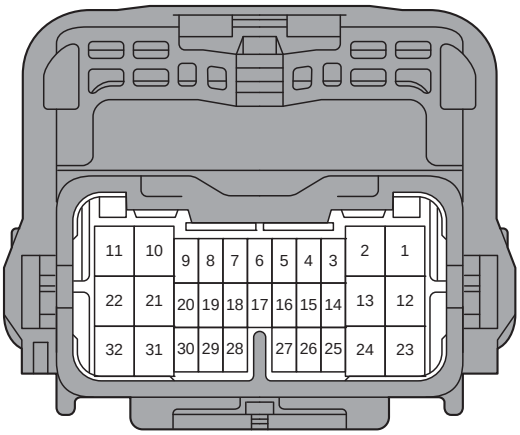



82560-2140, White, Female

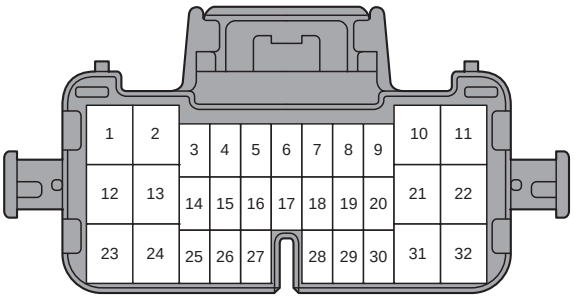



| a-b 3 / b-a 3 | Cab main wiring harness to Front wiring harness 3 |
|---|---|
| CG, GF, HE, ID, JB, LA, LC | IP-1, EG-5, 9, 12, 19 |

82560-2170, Gray, Male




82560-2180, Gray, Female

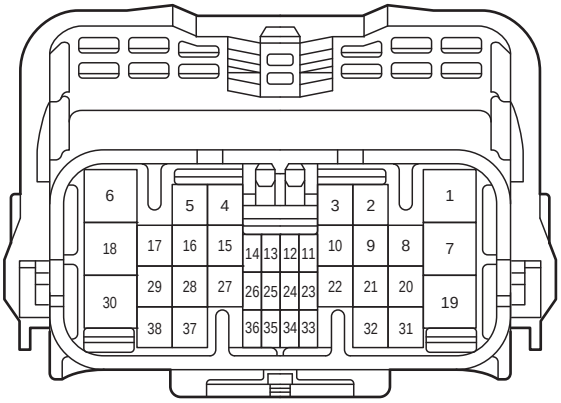



SHTS12Z160200181

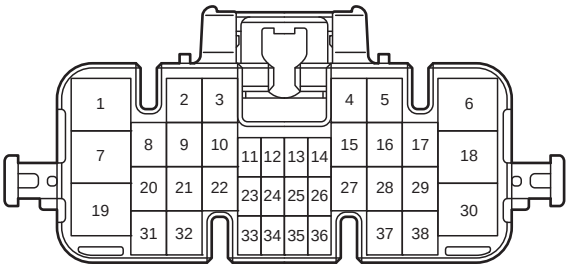
https://truckmanualshub.com/

| a-b 4 / b-a 4 | Cab main wiring harness to Front wiring harness 4 |
|---|---|
| AA, CJ, HA, HB | IP-1, 5, EG-2, 5, 6, 9, 12, 14, 19, 23, 26, 42 |

82560-2150, White, Male

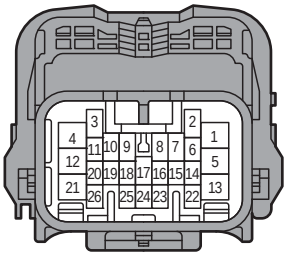



82560-2160, White, Female

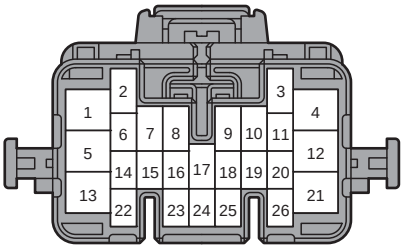



| a-b 5 / b-a 5 | Cab main wiring harness to Front wiring harness 5 |
|---|---|
| GE | IP-1, EG-26, 28 |

82560-2070, Gray, Male

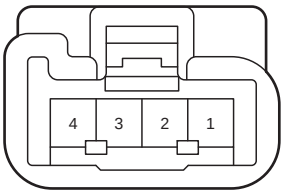



82560-2080, Gray, Female

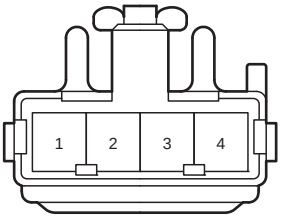



| a-b 6 / b-a 6 | Cab main wiring harness to Front wiring harness 6 |
|---|---|
| HD | IP-1, EG-24, EG-35 |

82560-2830, White, Male



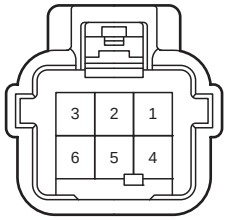

82560-2840, White, Female



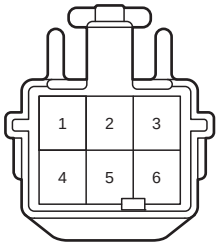
https://truckmanualshub.com/

| a-b 7 / b-a 7 | Cab main wiring harness to Front wiring harness 7 |
|---|---|
| KA | IP-1, EG-26, EG-27, EG-35 |

82580-2910, White, Male

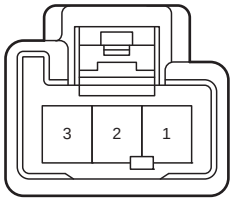



82580-2920, White, Female

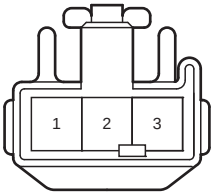



| a-b 8 / b-a 8 | Cab main wiring harness to Front wiring harness 8 |
|---|---|
| GP | IP-1, EG-35 |

82560-2280, White, Male

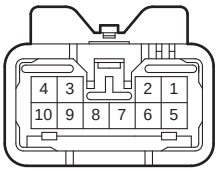



82560-2290, White, Female

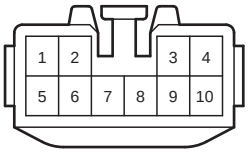



| a-f 1 / f-a 1 | Cab main wiring harness to Door RH wiring harness 1 |
|---|---|
| CB | IP-4, CA-1 |

82580-7340, White, Male

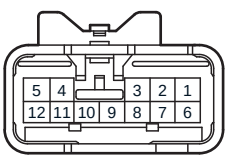



82580-7210, White, Female

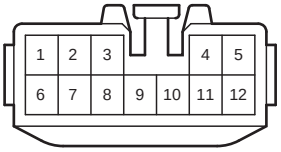



| a-f 2 / f-a 2 | Cab main wiring harness to Door RH wiring harness 2 |
|---|---|
| CB, CC, EA, EH, EK, EL, EM | IP-4, CA-1, CA-3 |

82580-8730,White, Male



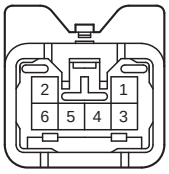

82560-8740, White, Female



https://truckmanualshub.com/

| a-f 3 / f-a 3 | Cab main wiring harness to Door RH wiring harness 3 |
|---|---|
| EM | IP-4, CA-1, CA-3 |

82580-6050, White, Male

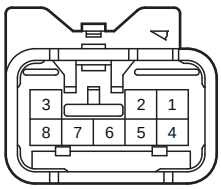



82580-6060, White, Female

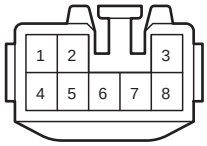



| a-f 4 / f-a 4 | Cab main wiring harness to Door RH wiring harness 4 |
|---|---|
| CB, EB, EI | IP-6, CA-2 |

82580-8050, White, Male

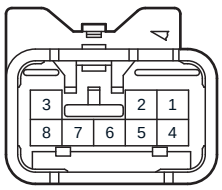



82580-6870, White, Female

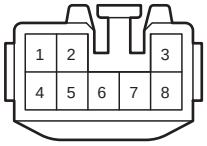



| a-g 1 / g-a 1 | Cab main wiring harness to Door LH wiring harness 1 |
|---|---|
| CB, CC, EA, EH, EK, EM | IP-2, CA-1, CA-3 |

82580-8050, White, Male

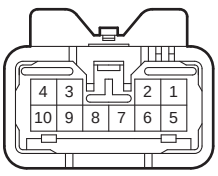



82580-6870, White, Female

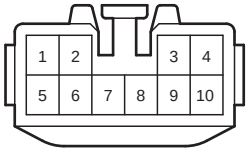



| a-g 2 / g-a 2 | Cab main wiring harness to Door LH wiring harness 2 |
|---|---|
| CB, EB, EI | IP-8, CA-2 |

82580-7340, White, Male



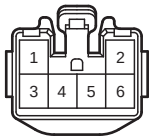

82580-7210, White, Female



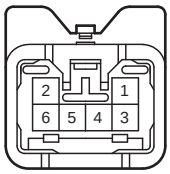
https://truckmanualshub.com/

| a-h 1 / h-a 1 | Cab main wiring harness to Roof wiring harness 1 |
|---|---|
| CB, CC, DA, EM | IP-1, IP-5, CA-1, CA-2, CA-3 |

82580-6060, White, Female

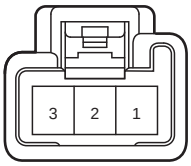



82580-6050, White, Male

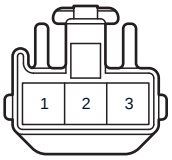



| a-i 1 / i-a 1 | Cab main wiring harness to Floor wiring harness 1 |
|---|---|
| DA | IP-3, IP-7, CA-1, CA-2 |

82580-8650, White, Male

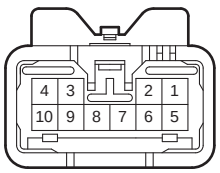



82580-8660, White, Female

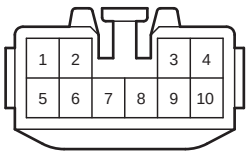



| a-i 2 / i-a 2 | Cab main wiring harness to Floor wiring harness 2 |
|---|---|
| DA, EG | IP-3, CA-1, CA-3 |

82580-7340, White, Male



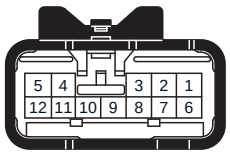

82580-7210, White, Female



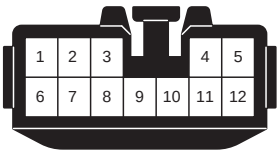
https://truckmanualshub.com/

| a-i 3 / i-a 3 | Cab main wiring harness to Floor wiring harness 3 |
|---|---|
| EA, EH, EM, JB | IP-3, CA-3 |

82580-8730, Black, Male

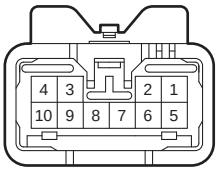



82580-8740, Black, Female

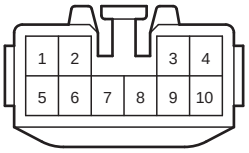



| a-i 4 / i-a 4 | Cab main wiring harness to Floor wiring harness 4 |
|---|---|
| BA | IP-3, CA-1, CA-3 |

82580-7340, White, Male

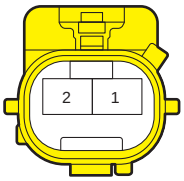



82580-7210, White, Female

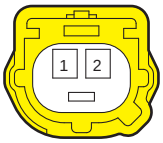



| a-i 5 / i-a 5 | Cab main wiring harness to Floor wiring harness 5 |
|---|---|
| BA, ER | IP-3, CA-1, CA-3 |

82580-9010, Yellow, Male



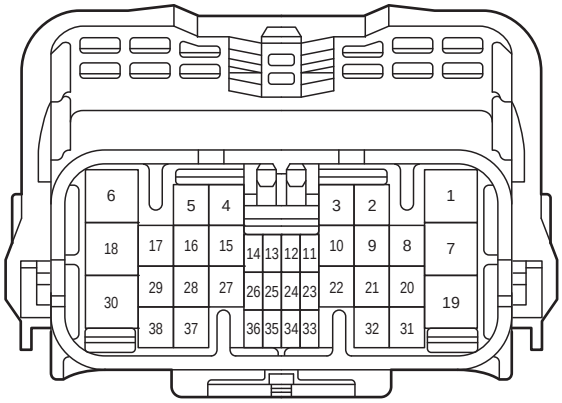

82824-E0K20, Yellow, Female



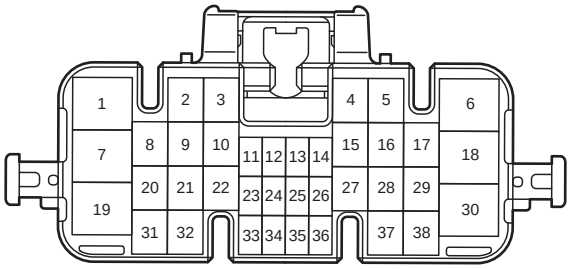
https://truckmanualshub.com/

| a-ea 1 / ea-a 1 | Cab main wiring harness to Engine wiring harness-1_1 |
|---|---|
| BA, EN, FA, GA, GC, GD, GH, GK, HB, MA | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |

82560-2150, White, Male

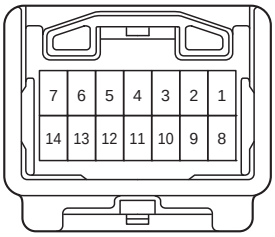



82560-2160, White, Female

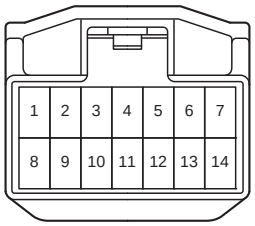



| a-ea 2 / ea-a 2 | Cab main wiring harness to Engine wiring harness-1_2 |
|---|---|
| GC | IP-1, EG-5, EG-12 |

82560-2090, White, Male

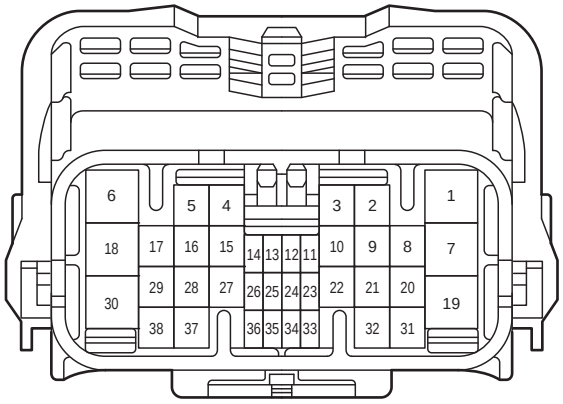



82560-2100, White, Female

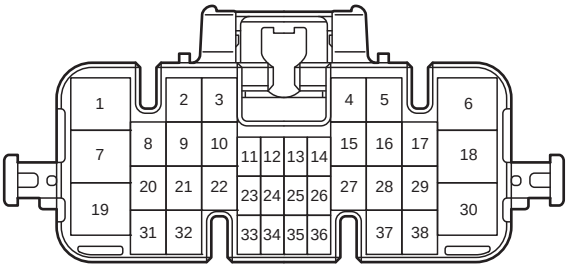



| a-ed 1 / ed-a 1 | Cab main wiring harness to Engine wiring harness-1_1 |
|---|---|
| AD, AH, BA, FA, GM, GO, GP, KA, LA, LB, LG, MA | IP-1, EG-35 |

82560-2150, White, Male



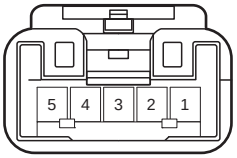

82560-2160, White, Female



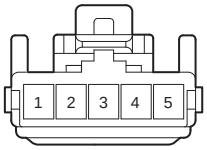
https://truckmanualshub.com/

| a-ed 2 / ed-a 2 | Cab main wiring harness to Engine wiring harness-1_2 |
|---|---|
| FA, GP | IP-1, EG-35 |

82560-3240, White, Male

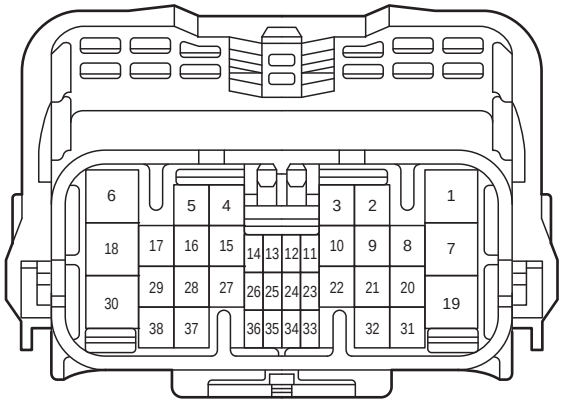



82560-3250, White, Female

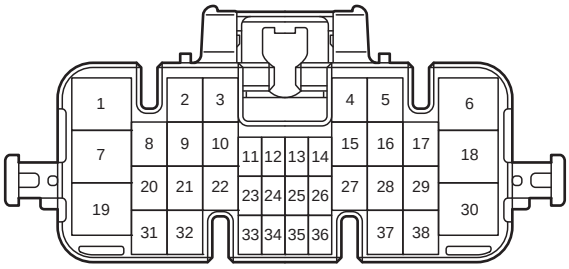



| a-ee / ee-a | Cab main wiring harness to Engine wiring harness |
|---|---|
| AH, GB | IP-1, EG-27 |

82560-2150, White, Male

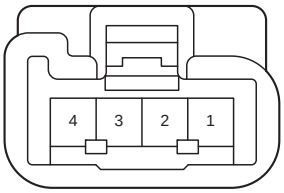



82560-2160, White, Female

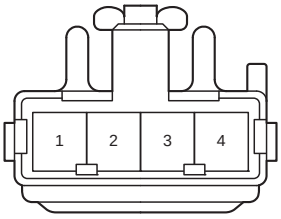



| a-sc / sc-a | Cab main wiring harness to Brake lock sub wiring harness |
|---|---|
| HD | IP-1, EG-1 |

82560-2830, White, Male



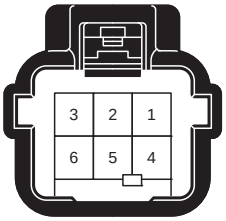

82560-2840, White, Female



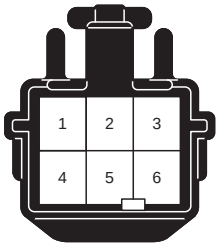
https://truckmanualshub.com/

| a-sf / sf-a | Cab main wiring harness to Floor panel sub wiring harness |
|---|---|
| JA | CA-1 |

82580-6050, Black, Male

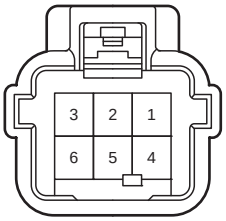



82580-6060, Black, Female

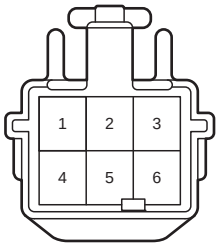



| a-sk / sk-a | Cab main wiring harness to P.T.O. sub wiring harness |
|---|---|
| KA, KB, KC | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 28, 42, 45 |

82580-2910, White, Male

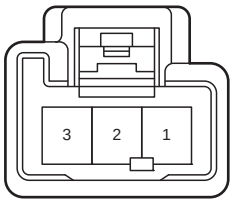



82580-2920, White, Female

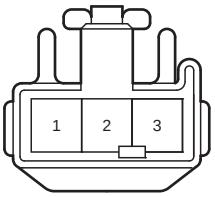



| a-sl / sl-a | Cab main wiring harness to Working accelerator sensor sub wiring harness |
|---|---|
| GL | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 27, 42 |

82560-2280, White, Male

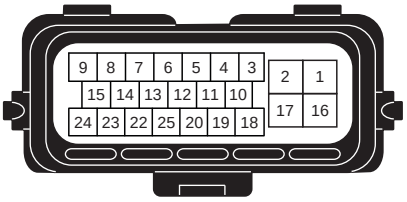



82560-2290, White, Female

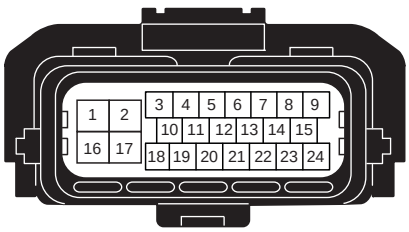



| b-c 1 / c-b 1 | Front wiring harness to Intermediate wiring harness 1 |
|---|---|
| CA, CB, CC, CF, CI, CJ, EM, HA, HB, HF, MA | EG-4, EG-8, EG-11, EG-18, EG-21, EG-34, EG-41 |

82560-1320, Black, Male




82560-1330, Black, Female

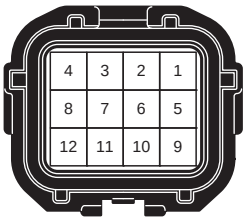



SHTS12Z160200189

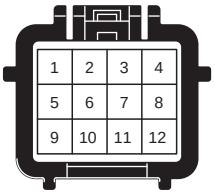
https://truckmanualshub.com/

| b-c 2 / c-b 2 | Front wiring harness to Intermediate wiring harness 2 |
|---|---|
| BC, CA, CB, CC, EM, HF, MA | EG-4, EG-8, EG-11, EG-17, EG-18, EG-21, EG-34, EG-38 |

82560-3490, Black, Male

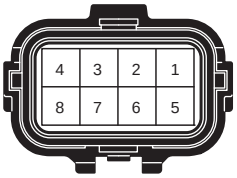



82560-3500, Black, Female

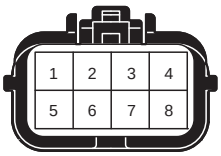



| b-d 1 / d-b 1 | Front (+Intermediate) wiring harness to Rear wiring harness 1 |
|---|---|
| CD, CH, EM, MA | RR-1 |

82560-3450, Black, Male

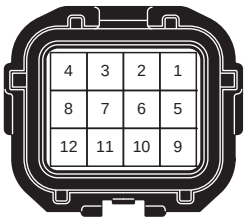



82560-3460, Black, Female

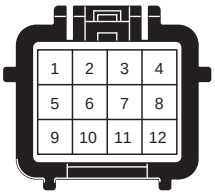



| b-e 1 / e-b 1 | Front wiring harness to Intermediate+rear wiring harness 1 |
|---|---|
| CA, CD, CH, HD, HF, LE, MA | EG-34, EG-38 |

82560-3490, Black, Male

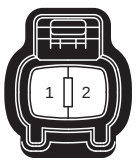



82560-3500, Black, Female




| b-e 3 / e-b 3 | Front wiring harness to Intermediate+rear wiring harness 3 |
|---|---|
| AB, BC, LE | EG-34 |

82560-2950, Black, Female




82560-2940, Black, Male



https://truckmanualshub.com/

| b-ba / ba-b | Front wiring harness to Battery cable-1 |
|---|---|
| BA, BE, BG, BI, CJ, GE, HB, HC, HE, ID, LD, MA | EG-4, 8, 11, 17, 18, 20, 34, 38, 41, 43, 47 |

82580-6720, Black, Male

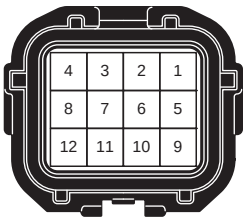



82560-2770, Black, Female

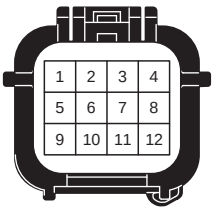



| b-eb 1 / eb-b 1 | Front wiring harness to Engine wiring harness-2_1 |
|---|---|
| AH, BA, FA, GA, GC, GD | EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |

82560-3490, Black, Male

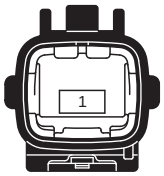



82560-3480, Black, Female

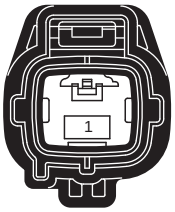



| b-eb 2 / eb-b 2 | Front wiring harness to Engine wiring harness-2_2 |
|---|---|
| AH | EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |

82560-1780, Black, Male

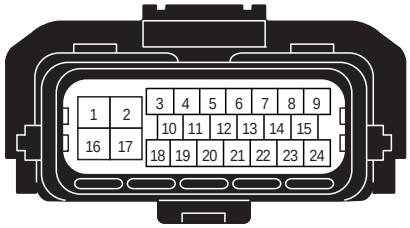



82560-1790, Black, Female

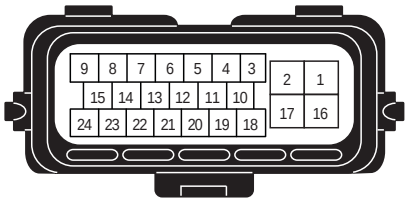



| b-eb 3 / eb-b 3 | Front wiring harness to Engine wiring harness-2_3 |
|---|---|
| AH, BE, FA, GE | EG-26, EG-28 |

82560-1330, Black, Female



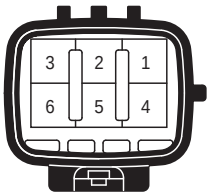

82560-1320, Black, Male



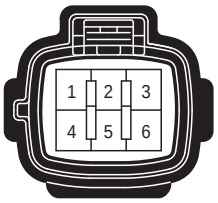
https://truckmanualshub.com/

| b-eb 4 / eb-b 4 | Front wiring harness to Engine wiring harness-2_4 |
|---|---|
| AH, BE | EG-13, EG-24, EG-25, EG-45 |

82580-8480, Black, Male

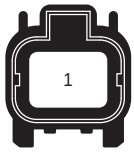



82580-8490, Black, Female

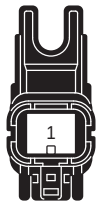



| b-eb 5 / eb-b 5 | Front wiring harness to Engine wiring harness-2_5 |
|---|---|
| AH | EG-13, EG-24, EG-25, EG-26, EG-28, EG-45 |

82580-9820, Black, Male

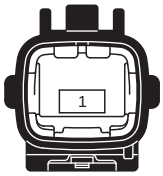



82580-9830, Black, Female

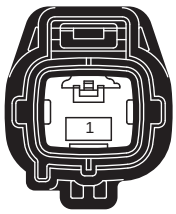



| b-ee / ee-b | Front wiring harness to Engine wiring harness |
|---|---|
| AH | EG-27, EG-32, EG-33 |

82560-1780, Black, Male

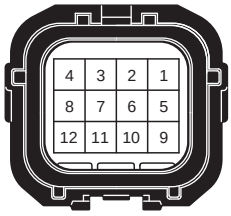



82560-1790, Black, Female

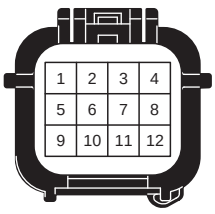



| b-sa 1 / sa-b 1 | Front wiring harness to Air tank sub wiring harness 1 |
|---|---|
| BB | EG-4, EG-8, EG-11 |

82560-3470, Black, Male



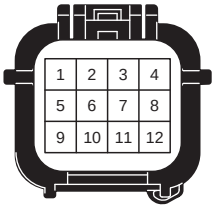

82560-3480, Black, Female



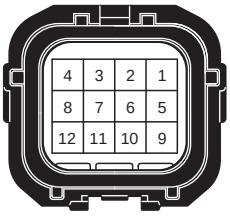
https://truckmanualshub.com/

| b-sa 2 / sa-b 2 | Front wiring harness to Air tank sub wiring harness 2 |
|---|---|
| BB, HA | EG-4, EG-8, EG-11 |

82560-3480, Black, Female

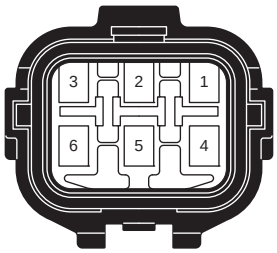



82560-3470, Black, Male

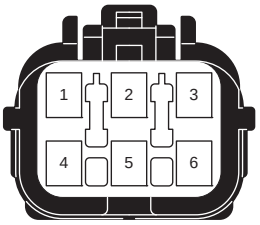



| b-sa 3 / sa-b 3 | Front wiring harness to Air tank sub wiring harness 3 |
|---|---|
| BB, BE, GF, GG | EG-4, EG-8, EG-17 |

82560-3410, Black, Male




82560-3420, Black, Female

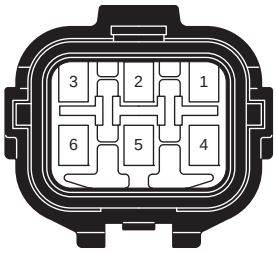



| b-sa 4 / sa-b 4 | Front wiring harness to Air tank sub wiring harness 4 |
|---|---|
| BB, BE, GG | EG-18, EG-34, EG-38, EG-41 |

82560-3420, Black, Female

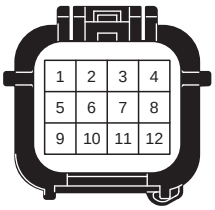



82560-3410, Black, Male

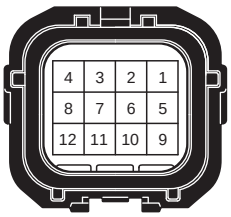



| b-sa 5 / sa-b 5 | Front wiring harness to Air tank sub wiring harness 5 |
|---|---|
| BB, HB | EG-18 |

82560-3480, Black, Female



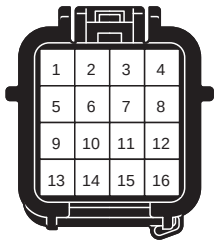

82560-3470, Black, Male



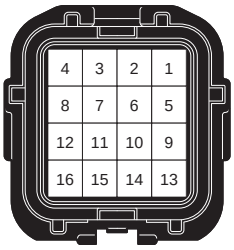
https://truckmanualshub.com/

| b-sa 6 / sa-b 6 | Front wiring harness to Air tank sub wiring harness 6 |
|---|---|
| BB | EG-4, 8 |

82560-3540, Black, Female

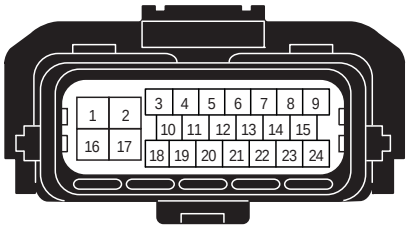



82560-3470, Black, Male

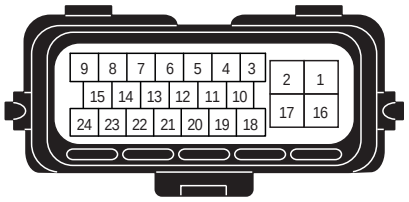



| b-sb 1 / sb-b 1 | Front wiring harness to Automatic transmission sub wiring harness 1 |
|---|---|
| ID | EG-18, EG-34 |

82560-1330, Black, Female

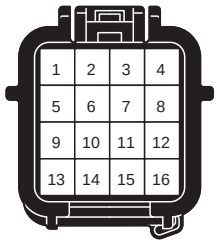



82560-1320, Black, Male

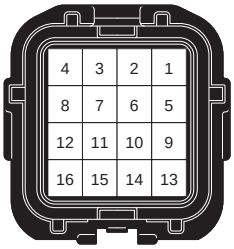



| b-sb 2 / sb-b 2 | Front wiring harness to Automatic transmission sub wiring harness 2 |
|---|---|
| ID, LC | EG-18, EG-34 |

82560-3540, Black, Female




82560-3530, Black, Male

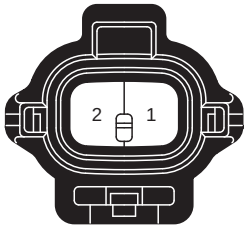



| b-se / se-b | Front wiring harness to Brake lock (Pressure switch) sub wiring harness |
|---|---|
| HD | EG-34 |

82580-6600, Black, Female




82580-6590, Black, Male




SHTS12Z160200194

https://truckmanualshub.com/

| b-sg / sg-b | Front wiring harness to Fuel tank sub wiring harness |
|---|---|
| BA | EG-18, EG-29, EG-30, EG-40 |

82580-7170, Black, Male

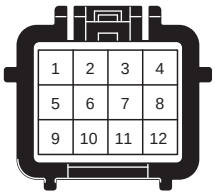



82580-7180, Black, Female

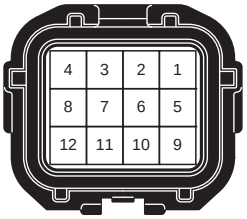



| b-sh / sh-b | Front wiring harness to Headlight sub wiring harness |
|---|---|
| CA, CE, CJ | EG-1, 2, 5, 6, 9, 12, 19, 23, 25, 42 |

82560-3500, Black, Female




82560-3490, Black, Male




| b-si / si-b | Front wiring harness to Side turn signal light sub wiring harness |
|---|---|
| CB | EG-4, 18 |

82580-8340, Black, Male

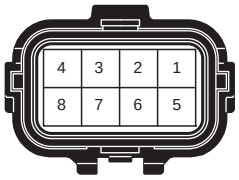



82560-8350, Black, Female

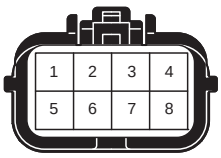



| c-d 1 / b-c 1 | Intermediate wiring harness to Rear wiring harness 1 |
|---|---|
| BC, CA, CB, CC, CF, CI, EM, HB, HF, MA | RR-1, RR-2 |

82560-3450, Black, Male




82560-3460, Black, Female



https://truckmanualshub.com/

| i-j / j-i | Floor wiring harness to Rear door RH wiring harness |
|---|---|
| EA, EH, EM | CA-3 |

82580-8410, Gray, Male




82580-8420, Gray, Female




| i-k / k-i | Floor wiring harness to Rear door LH wiring harness |
|---|---|
| EA, EH, EM | CA-3 |

82580-8410, Gray, Male




82580-8420, Gray, Female




| ba-bc / bc-ba | Battery cable-1 to Battery cable-3 |
|---|---|
| MA | EG-4, 8, 11, 15, 16, 20, 34, 38, 41, 43, 47 |

82580-6720, Black, Male

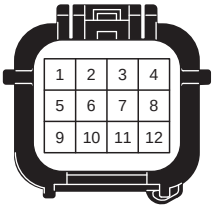



82560-2770, Black, Female

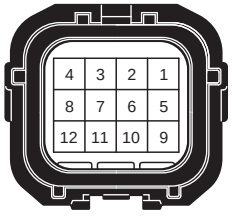



| ea-ec 1 / ec-ea 1 | Engine wiring harness-1 to Engine wiring harness-3_1 |
|---|---|
| BA, FA, GA, GD | EG-3 |

82560-3480, Black, Female




82560-3470, Black, Male




SHTS12Z160200196

https://truckmanualshub.com/

| ea-ec 2 / ec-ea 2 | Engine wiring harness-1 to Engine wiring harness-3_2 |
|---|---|
| BA, GA, GC, GD | EG-7, 10, 15, 16, 20, 29, 30, 31, 43 |

82580-8420, Gray, Female

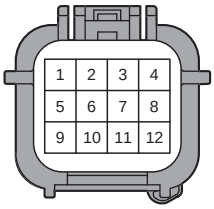



82580-8410, Gray, Male




| ea-id / id-ea | Engine wiring harness-1 (J05D, J05E, J08E) to Link-up connector |
|---|---|
| GA, GC, GD | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |

82560-3480, Gray, Female

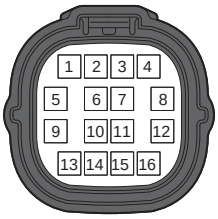



82560-1200, Dark gray, Male

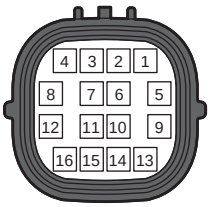



| ed-id / id-ed | Engine wiring harness-1 (A09C) to Link-up connector |
|---|---|
| GM, GQ | EG-36, EG-37, EG-40 |

82828-1080, Dark gray, Female

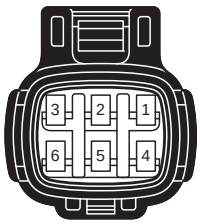



82828-1070, Dark gray, Male

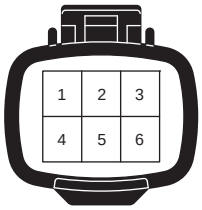



| ed-sm / sm-ed | Engine wiring harness-1 (A09C) to Air flow sensor sub wiring harness |
|---|---|
| GN | EG-36, EG-37 |

82580-9950, Black, Male




82580-8220, Black, Female




SHTS12Z160200197

https://truckmanualshub.com/

| ee-id / id-ee | Engine wiring harness (P11C) to Link-up connector |
|---|---|
| GB | EG-32, EG-33 |

82580-9590, Dark gray, Female

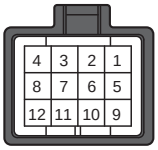



82580-9880, Gray, Male

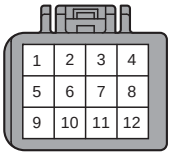



| id-ia / ia-id | Link-up connector to Injector wiring harness (J05D, J05E, J08E) |
|---|---|
| GA, GC, GD | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |

82560-1200, Dark gray, Male

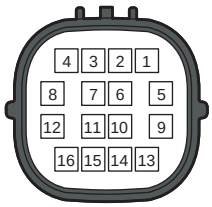



82580-7980, Gray, Female

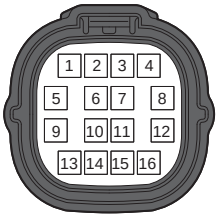



| id-ib / ib-id | Link-up connector to Injector wiring harness (A09C) |
|---|---|
| GM, GQ | EG-36, EG-37, EG-40 |

82828-1070, Dark gray, Male




82828-1080, Dark gray, Female




| id-ic / ic-id | Link-up connector to Injector wiring harness (P11C) |
|---|---|
| GB | EG-32, EG-33 |

82580-9880, Gray, Male




82580-9590, Dark gray, Female




SHTS12Z160200198

https://truckmanualshub.com/

| sc-sd / sd-sc | Brake lock sub wiring harness to Brake lock (Pressure switch) sub wiring harness |
|---|---|
| HD | EG-4 |

82580-6820, Black, Female




82560-1670, Black, Male

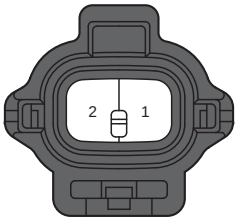



| sc-se / se-sc | Brake lock sub wiring harness to Brake lock (Buzzer) sub wiring harness |
|---|---|
| HD | EG-4 |

82580-6600, Dark gray, Female




82580-6590, Dark gray, Male

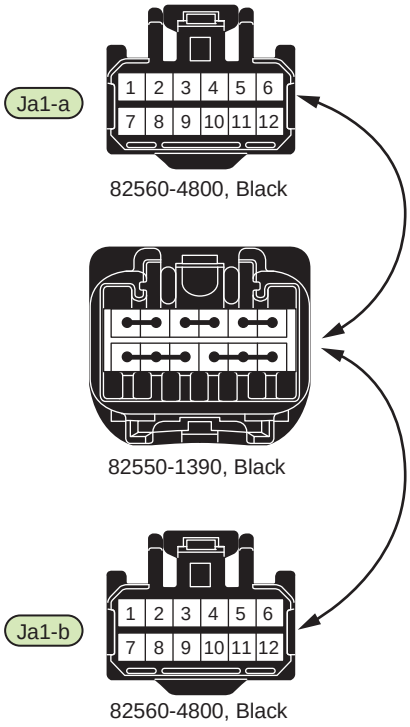


https://truckmanualshub.com/

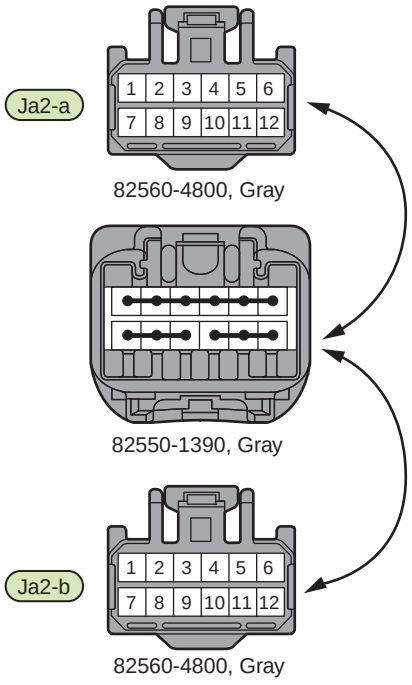
# JUNCITON CONNECTOR

EN12Z1602J100005

| Ja1 | J/C-1 |
|---|---|
| AD, AE, BA, BD, CB, DA, EA, EB, EL, EM, GA, GB, GC, GD, GE, GM, HA, HC, JA, JB, LB, LG, LH | IP-1, IP-5 |



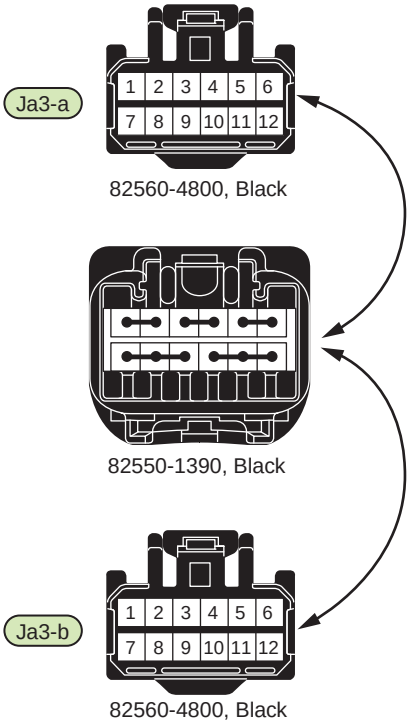

| Ja2 | J/C-2 |
|---|---|
| AD, BF, CB, CC, CJ, EH, EI, EM, EN, EO, GA, GB, GC, GD, GE, GF, HD, LA, LG, LH, LI | IP-2, IP-6 |



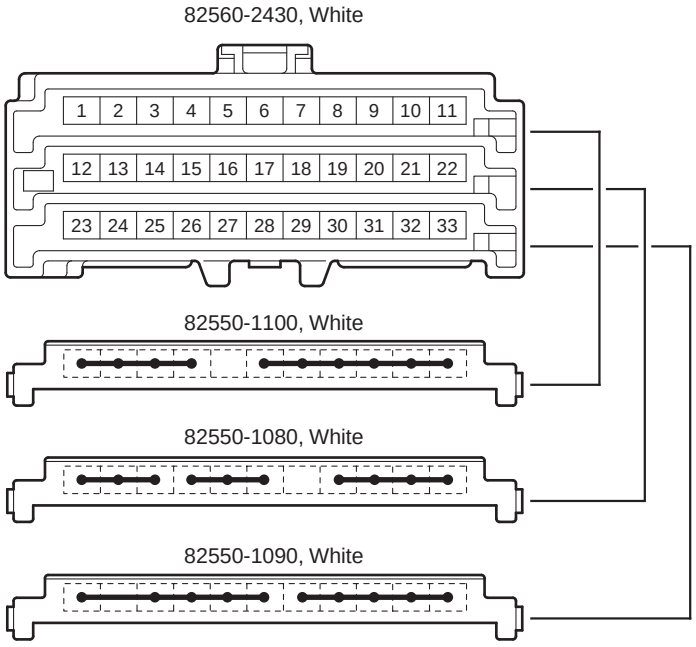

SHTS12Z160200200

https://truckmanualshub.com/

| Ja3 | J/C-3 |
|---|---|
| BA, BD, BF, BG, BI, CA, CE, CI, EF, EJ, EL, EO, FA, GK, KA, KB, KC, LD, LJ | IP-2, IP-6 |

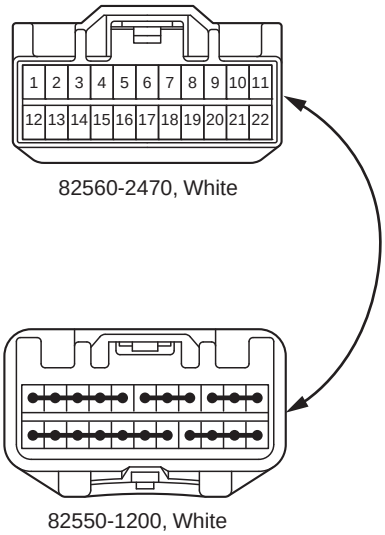



| Ja4 | J/C-4 |
|---|---|
| BA, CB, CC, CF, CI, CJ, EM, GA, GB, GC, GD, GM, HA, HC, LB, LD, LG | IP-2, IP-6 |

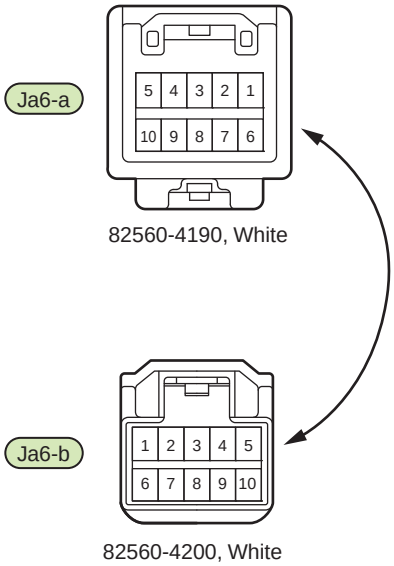


https://truckmanualshub.com/

| Ja5 | J/C-5 |
|---|---|
| BA, BD, GA, GB, GC, GD, GE, GM, HA, HC, HD, LA, LG | IP-1, IP-5 |

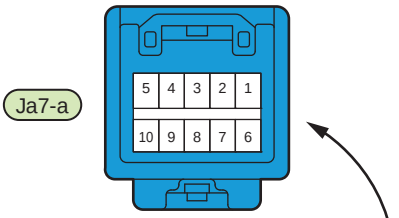



| Ja6 | J/C Common rail-1 |
|---|---|
| AD, GA, GB, GC, GD, GF, GH, GK, GL, GM, HA, HC, ID, LA, LG, LH, LJ | IP-1, IP-5 |



https://truckmanualshub.com/

| Ja7 | J/C Common rail-2 |
|---|---|
| GA, GB, GC, GD, GF, GH, GK, GL, KA, KB, KC, LJ | IP-1, IP-5 |

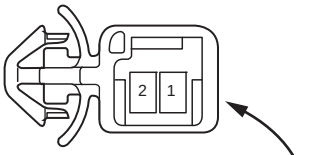



82560-4190, Blue

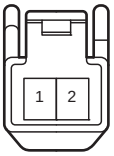



82560-4200, Blue

| Ja8 | J/C Common rail-3 |
|---|---|
| GA, GB, GC, GD | IP-2, IP-6 |

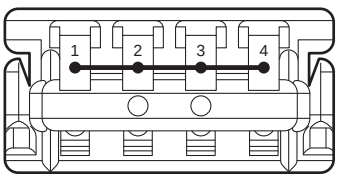



7282-5846, White




82560-2510, White

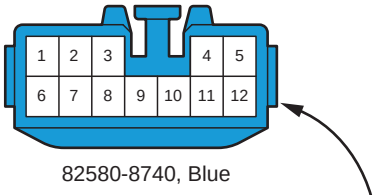
| Ja9 | J/C Common rail-4 |
|---|---|
| GA, GB, GC, GD | IP-2, IP-6 |



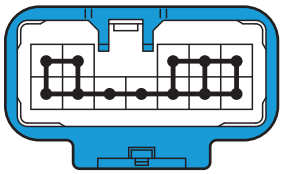

82550-1360, White

https://truckmanualshub.com/

| Ja10 | J/C Earth G4-a |
|---|---|
| BA, BD, BG, BH, BI, HB, HC, ID, LD, MA | IP-3, IP-7 |

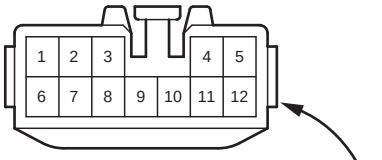



82580-8740, Blue

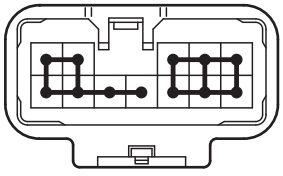


82550-1040, Blue

| Ja11 | J/C CAN |
|---|---|
| LB, LC | IP-3, IP-6 |



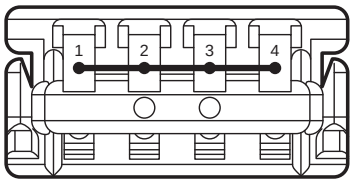

82580-8740, White



82550-1060, White

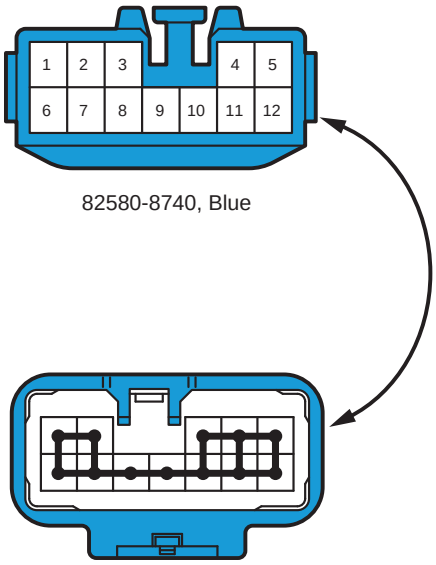
https://truckmanualshub.com/

| Ja12 | J/C Earth DR-N |
|---|---|
| GA, GB, GC, GD | IP-1, IP-6 |




82550-1360, White

| Ja13 | J/C Earth G3 |
|---|---|
| AC, AE, BA, BD, CB, CC, CE, CF, DA, EA, EB, ED, EG, EK, EL, EM, EO, GC, GI, GJ, GK, HA, HD, IA, IB, ID, KA, KB, KC, LA, LH, LJ, MA | IP-3, IP-7 |

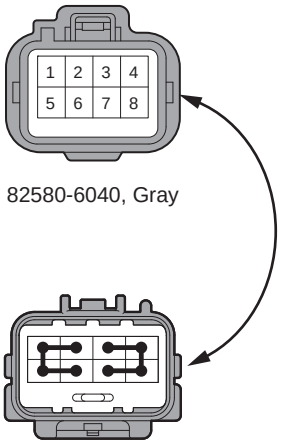



82580-8740, Blue

82550-1040, Blue

https://truckmanualshub.com/

| Ja14 | J/C Engine CAN |
|---|---|
| GO | EG-35 |

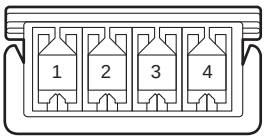



82580-6040, Gray

82550-1230, Gray

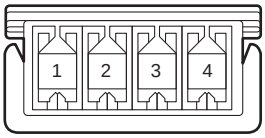
| Ja20 | SA/SB J/C |
|---|---|
| ER, LA | IP-2 |

82550-1360, White



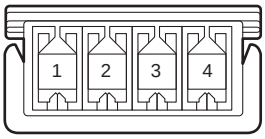

| Ja21 | ISOK JC4P |
|---|---|
| ER, LB | IP-4 |

82550-1360, White




| Ja22 | SA/SB E1 J/C |
|---|---|
| ER | IP-3 |

82550-1360, White



https://truckmanualshub.com/

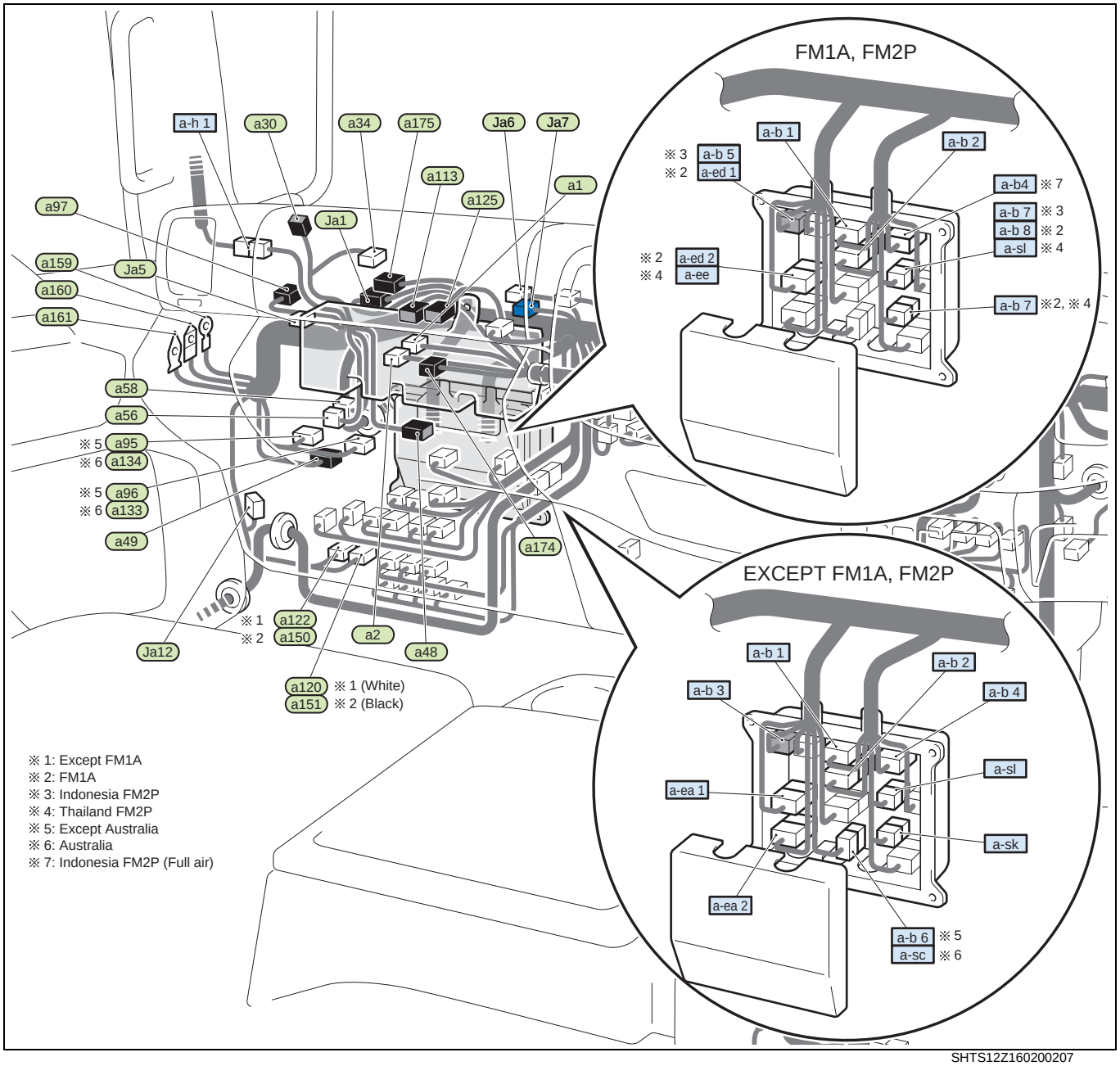
# CONNECTOR LOCATION

EN12Z1602J100006

**NOTICE**

**There is a case that this figure is different from that for your vehicle due to the model or specification.**

## IP-1 [INSTRUMENT PANEL (1 of 4)] (Models: Right-hand drive)




SHTS12Z160200207

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

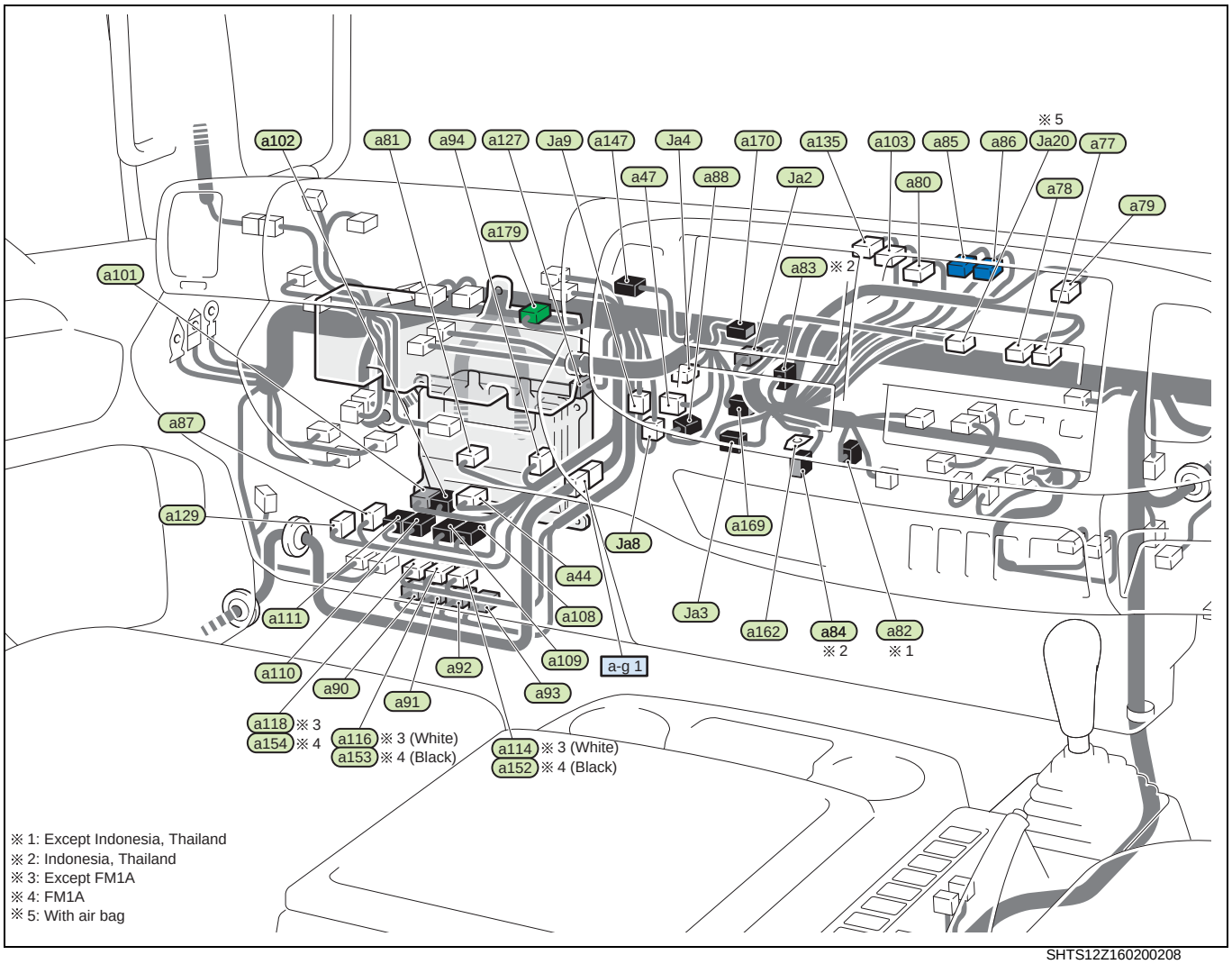
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a1 | Relay and fuse block 312 | AA | a133 | Integrated unit (25 pin) | EM, EN |
| a2 | Relay and fuse block 090 | AA | a134 | Integrated unit (14 pin) | EM, EN |
| a30 | Front speaker LH | EJ | a150 | VCS ECU (31 pin) | LG |
| a34 | Transfer controller | LD | a151 | VCS ECU (35 pin-2) | LG, LH, LI |
| a48 | Interface ECU | CJ | a159 | Earth AS-1 | AB, JA, MA |
| a49 | Autoleveling ECU | CJ | a160 | Earth AS-2 | BA, BD, CA, CB, CC, EC, EF, EH, EK, EM, EN, FA, MA |
| a56 | ES start controller (12 pin) | HC | a161 | Earth AS-3 | AA, AE, BA, BD, BF, CB, CE, CI, DA, EA, EC, ED, EG, EK, EL, EM, EN, FA, GB, GC, GI, GJ, GK, GM, HD, IA, ID, KA, KB, LA, LH, LJ, MA |
| a58 | ES start controller (26 pin) | HC | a174 | Air conditioner condenser diode | FA |
| a95 | Turn signal flasher | CB, CC | a175 | Automatic transmis-sion neutral diode | ID |
| a96 | Wiper controller | EC | Ja1 | J/C-1 | AD, AE, BA, BD, CB, CC, DA, EA, EL, EM, GA, GB, GC, GD, GE, GM, HA, HC, JA, JB, LB, LG, LH |
| a97 | G sensor | HA | Ja5 | J/C-5 | BA, BD, GA, GB, GC, GD, GE, GM, HA, HC, HD, LA, LG |
| a113 | ABS solenoid relay | HA | Ja6 | J/C Common rail-1 | AD, GA, GB, GC, GD, GF, GH, GK, GL, GM, HA, HC, ID, LA, LG, LH, LJ |
| a120 | Engine ECU (35 pin-2) | GA, GB, GC, GD, GL | Ja7 | J/C Common rail-2 | GA, GB, GC, GD, GF, GH, GK, GL, KA, KB, LJ |
| a122 | Engine ECU (31 pin) | GA, GB, GC, GD | Ja12 | J/C Earth DR-N | GA, GB, GC, GD |
| a125 | Mirror heater relay | EK | Ja15 | J/C Earth DR-N | GB |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AE, AH, BA, BD, BE, BG, BI, CA, CB, CC, CD, CE, CF, CH, CI, CJ, EM, GA, GB, GC, GD, GE, GF, GG, GH, GM, HB, HC, HE, IA, IB, ID, JA, LA, LD, LE, LF, LG, MA | a-ea 2 | Cab main wiring harness to Engine wiring harness-1_2 | GC |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, BD, BE, BF, CB, CD, CK, EE, EM, FA, GM, HA, HC, HD, HF, IC, ID, JA, KA, KB, LD, LE, MA | a-ed 1 | Cab main wiring harness to Engine wiring harness-1_1 | AD, AH, BA, FA, GM, GO, GP, KA, LA, LB, LG, MA |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | CG, GF, HA, HE, ID, JB, LA, LC | a-ed 2 | Cab main wiring harness to Engine wiring harness-1_2 | FA, GP |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, CJ, HA, HB | a-ee | Cab main wiring harness to Engine wiring harness | AH, GB |
| a-b 5 | Cab main wiring harness to Front wiring harness 5 | GE | a-h 1 | Cab main wiring harness to Roof wiring harness 1 | CB, CC, DA, EM |
| a-b 6 | Cab main wiring harness to Front wiring harness 6 | HD | a-sc | Cab main wiring harness to Brake lock sub wiring harness | HD |
| a-b 7 | Cab main wiring harness to Front wiring harness 7 | KA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KB |
| a-b 8 | Cab main wiring harness to Front wiring harness 8 | GP | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, FA, GA, GC, GD, GH, GK, HB, MA | | | |

https://truckmanualshub.com/

## IP-2 [INSTRUMENT PANEL (2 of 4)] (Models: Right-hand drive)




SHTS12Z160200208

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

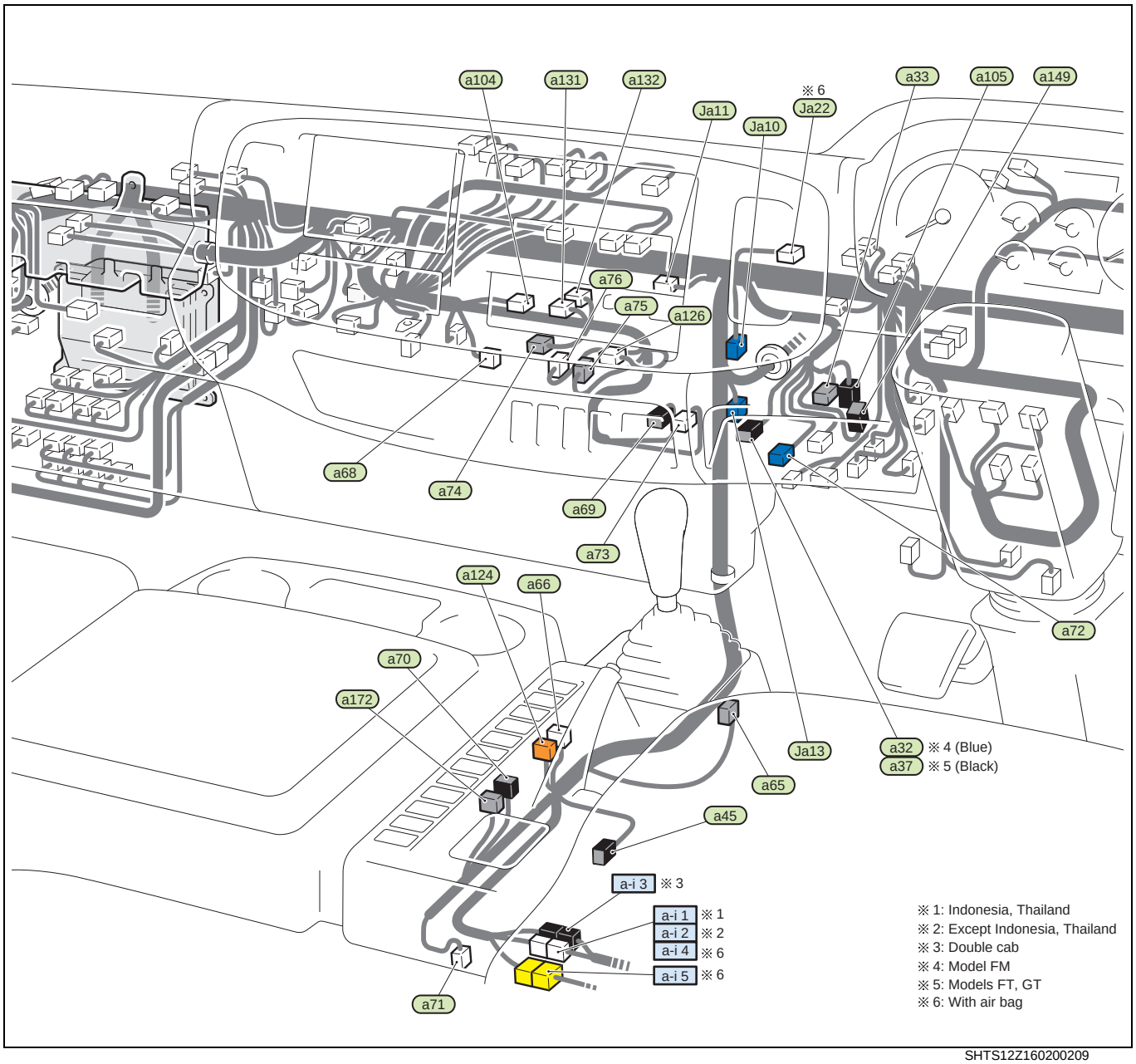
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a44 | Brake lock relay | HD | a109 | ABS+ES start ECU (28 pin) | HA |
| a47 | DC/DC converter (Leveling) | CE, CJ | a110 | ABS+ES start ECU (24 pin) | HA |
| a77 | Blower switch | FA | a111 | ABS+ES start ECU (31 pin) | HA |
| a78 | Air conditioner switch | FA | a114 | Engine ECU (34 pin) | GA, GB, GC, GD, GL |
| a79 | Radio/Audio unit | EJ | a116 | Engine ECU (35 pin-1) | GA, GB, GC, GD, GF, GH, GK, GL |
| a80 | Digital tachograph/ KIENZLE tachograph | BG, BH | a118 | Engine ECU (32 pin) | GA, GB, GC, GD, GF, GH, GI, GK, GL, LC |
| a81 | Pulse adjust computer | BA, BD | a127 | Headlight washer control relay | EO |
| a82 | Air conditioner unit | FA | a129 | DC/DC converter (Common rail) | GC, GD |
| a83 | Blower resistor | FA | a135 | Drive master unit | BI, LC |
| a84 | E-thermo | FA | a147 | Lock amp | FA |
| a85 | Hour meter | BF | a152 | VCS ECU (34 pin) | LG, LH, LI |
| a86 | Hour meter illumination | BF | a153 | VCS ECU (35 pin-1) | LG, LH |
| a87 | DC/DC converter (Hour meter) | BF | a154 | VCS ECU (32 pin) | LC, LG, LJ |
| a88 | Blower motor | FA | a162 | Earth G3 audio | EJ, MA |
| a90 | TICS ECU (26 pin) | GE | a169 | PCV diode | GB |
| a91 | TICS ECU (16 pin) | GE | a170 | Engine stop diode | GM |
| a92 | TICS ECU (12 pin) | GE | a179 | Resister | GC |
| a93 | TICS ECU (22 pin) | GE | Ja2 | J/C-2 | AD, BF, CB, CC, CJ, EH, EM, EN, EO, GA, GB, GC, GD, GE, GF, HD, LA, LG, LH, LI |
| a94 | Over run relay | BD | Ja3 | J/C-3 | BA, BD, BF, BG, BI, CA, CE, CI, EF, EJ, EL, EO, FA, GK, KA, KB, LD LJ |
| a101 | ABS ECU (18 pin) | HB | Ja4 | J/C-4 | BA, CB, CC, CF, CI, CJ, EM, GA, GB, GC, GD, GM, HA, HC, LB, LD, LG |
| a102 | ABS ECU (14 pin) | HB | Ja8 | J/C Common rail-3 | GA, GB, GC, GD |
| a103 | DC/DC converter (12V) | AC | Ja9 | J/C Common rail-4 | GA, GB, GC, GD |
| a108 | ABS+ES start ECU (22 pin) | HA | Ja20 | SA/SB J/C | ER, LA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-g 1 | Cab main wiring harness to Door LH wiring harness 1 | CB, CC, EA, EH, EK, EM | | | |

https://truckmanualshub.com/

## IP-3 [INSTRUMENT PANEL (3 of 4)] (Models: Right-hand drive)




SHTS12Z160200209

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

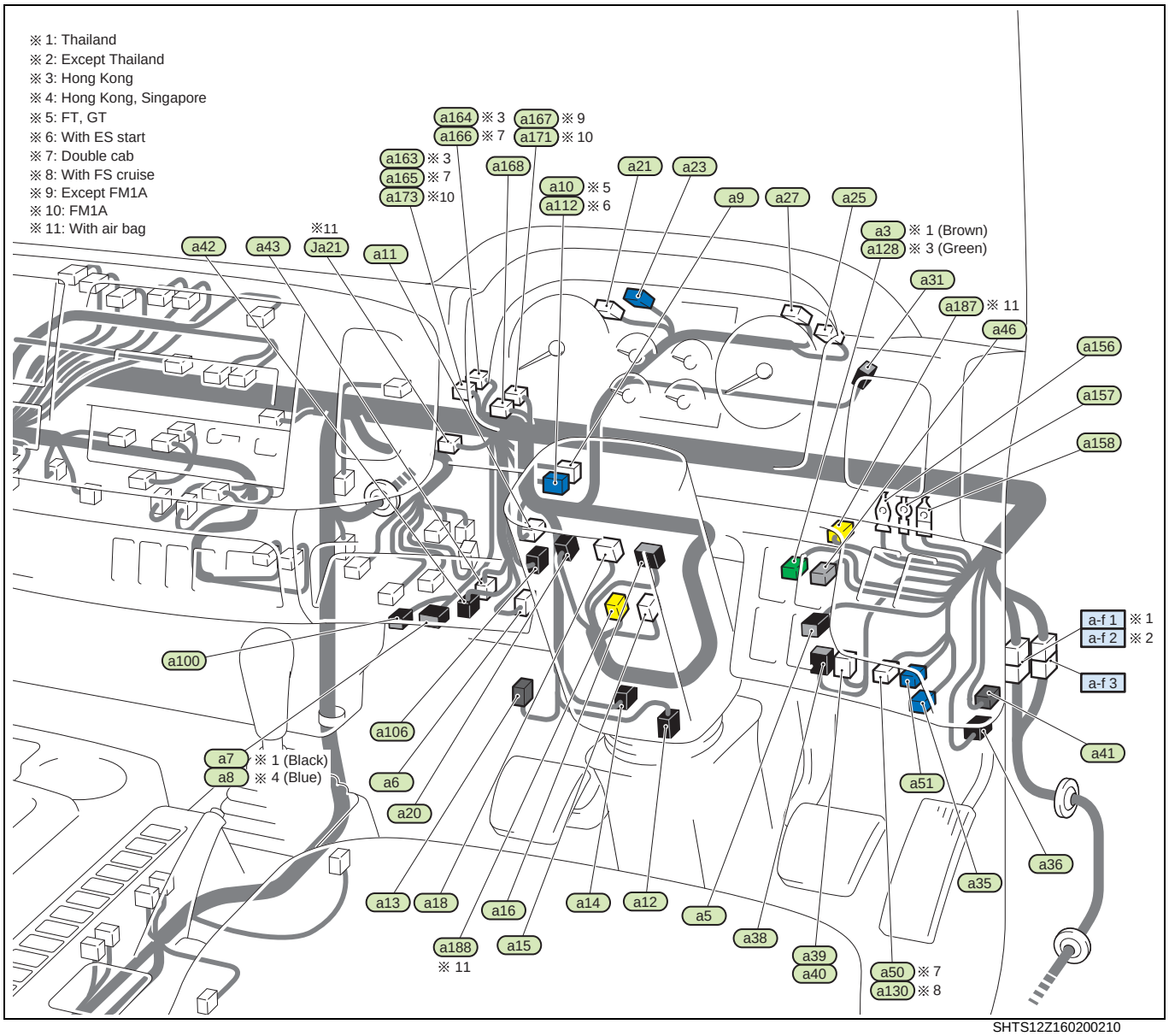
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a32 | Transfer High/Low selector switch | LD | a76 | Coolant level warning relay | BA, BD |
| a33 | 4WD selector switch | LD | a104 | Service power (Ignition) | AA |
| a37 | Differential lock switch | HF | a105 | Trailer hand brake switch | BA, BD |
| a45 | Parking brake lever switch | HD | a124 | Mirror heater switch | EK |
| a65 | Automatic transmission shift selector | ID, LC | a126 | Keyless entry controller | EL |
| a66 | Power mirror switch | ED | a131 | Idle up 1 | GL |
| a68 | Power mirror relay | ED | a132 | Idle up 2 | GL |
| a69 | ES start main switch | HA, HC | a149 | Power mode switch | GI, LH |
| a70 | Fluorescent light switch | DA | a172 | Idle up switch | LH |
| a71 | Parking brake switch | BA, BD | | | |
| a72 | Transmission P.T.O. switch | KA, KB | Ja10 | J/C Earth G4-a | BA, BD, BG, BH, BI, HB, HC, ID, LD, MA |
| a73 | Cigarette lighter | EF | Ja11 | J/C CAN | LB, LC |
| a74 | ETC. spare power supply connector | AB | Ja13 | J/C Earth G3 | AC, AE, BA, BD, CB, CC, CE, CF, DA, EA, ED, EG, EK, EL, EM, EO,GC, GI, GJ, GK, HA, HD, IA, IB, ID, KA, KB, LA, LH, LJ, MA |
| a75 | Power door lock controller | EA | Ja22 | SA/SB E1 J/C | ER |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-i 1 | Cab main wiring harness to Floor wiring harness 1 | DA | a-i 4 | Cab main wiring harness to Floor wiring harness 4 | BA |
| a-i 2 | Cab main wiring harness to Floor wiring harness 2 | DA, EG | a-i 5 | Cab main wiring harness to Floor wiring harness 5 | BA, ER |
| a-i 3 | Cab main wiring harness to Floor wiring harness 3 | EA, EH, EM, JB | | | |

https://truckmanualshub.com/

## IP-4 [INSTRUMENT PANEL (4 of 4)] (Models: Right-hand drive)




SHTS12Z160200210

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

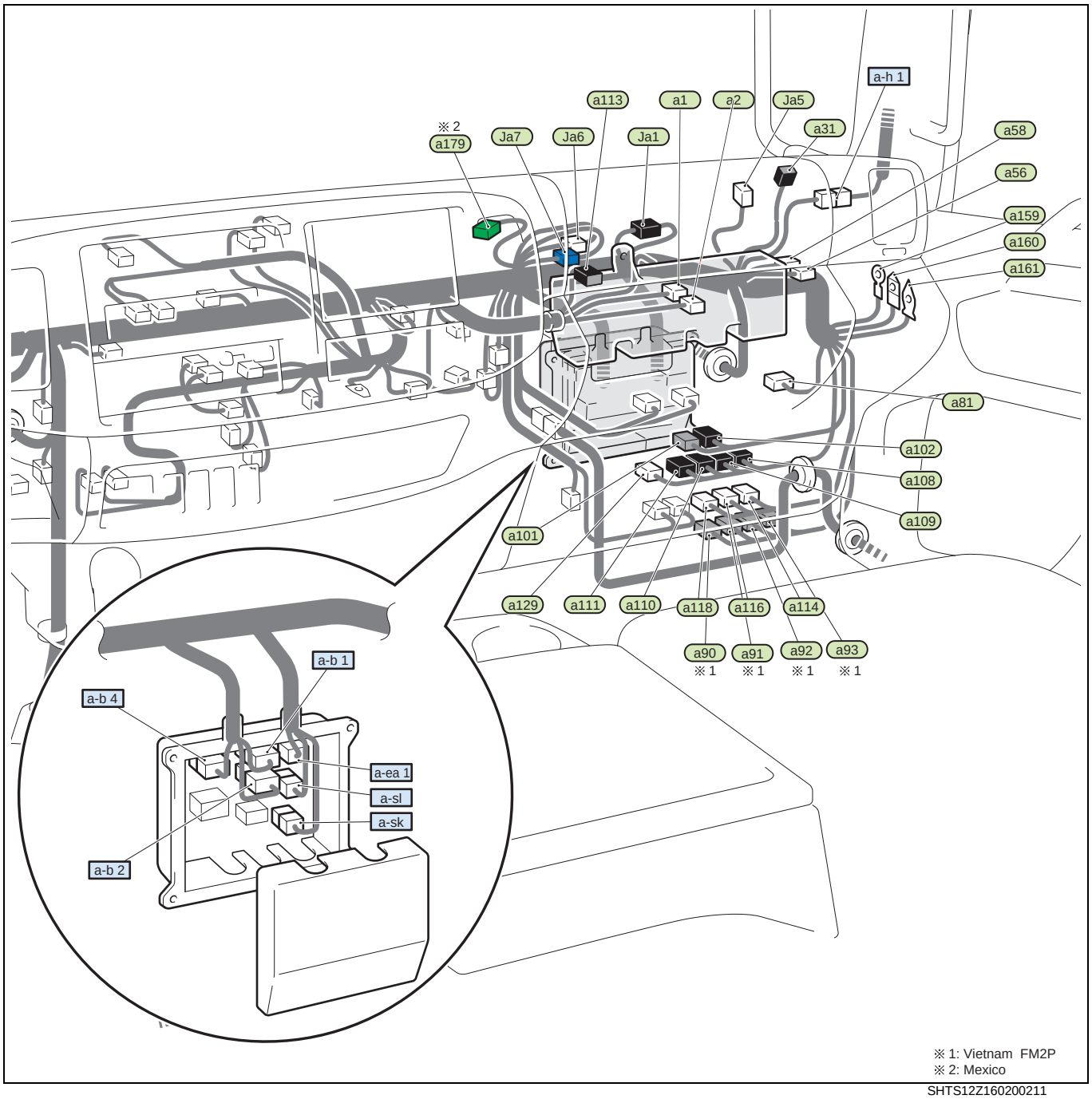
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a3 | Parking light switch | CB | a41 | Accelerator switch | GF, GG, GH, LI |
| a5 | Front fog light switch | CI | a42 | Brake lock control magnetic valve | HD |
| a6 | Clutch switch | GF, GG, LI | a43 | Brake lock control valve position switch | HD |
| a7 | Diagnosis connector (16 pin) | LB, LC | a46 | Headlight beam control switch | CE |
| a8 | DLC4 | LB, LC | a50 | Power window switch (For rear LH) (Driver's seat side) | EH |
| a9 | Dump warning buzzer | KA, KB | a51 | Power window switch (For rear RH) (Driver's seat side) | EH |
| a10 | Transfer warning buzzer | LD | a100 | ABS diagnosis switch | HB |
| a11 | Warning buzzer | BA, BD | a106 | Diagnosis connector (ATM) | ID, LC |
| a12 | Stop light switch | CB, CC, EM, GC, GK | a112 | ES start warning buzzer | HA |
| a13 | P.T.O. clutch switch | KA, KB, LD, LH | a128 | Headlight washer switch | EO |
| a14 | Clutch stroke sensor | HA, HC | a130 | Cruise main switch | GK, LJ |
| a15 | Horn switch | EE | a156 | Earth DR-1 | AB, MA |
| a16 | Light and turn switch | CA, CB, CC, EM, GK, LJ | a157 | Earth DR-2 | BD, CA, CB, CC, EC, EF, EG, EH, EK, EM, EN, FA, MA |
| a18 | Wiper and retarder switch | CB, CC, EC, EM, EN, EO, GF, GG, GH, HE, LI | a158 | Earth DR-3 | AA, AE, BA, BD, BF, CB, CC, CE, CI, DA, EA, EC, ED, EH, EK, EL, EM, EN,FA,GB,GC, GI, GJ, GK, HD, IA, IB, ID, KA, KB, LA, LH, LJ, MA |
| a20 | Starter switch | AA | a163 | Hong Kong diode 1 | CB |
| a21 | Combination meter (22 Pin-L) | BA, BD, LC | a164 | Hong Kong diode 2 | CB |
| a23 | Combination meter (18 pin-L) | BA, BD | a165 | Cab tilt diode No. 1 | JB |
| a25 | Combination meter (22 pin-R) | BA, BD | a166 | Cab tilt diode No. 2 | JB |
| a27 | Combination meter (18 pin-R) | BA, BD | a167 | P.T.O. diode | KA |
| a31 | Front speaker RH | EJ | a168 | Air conditioner diode | FA |
| a35 | Idle volume | GA, GB, GC, GD, LG | a171 | P.T.O. diode (FM1A) | KA, LH |
| a36 | Accelerator sensor | GA, GB, GC, GD, GM | a173 | Vehicle speed diode | GM |
| a38 | Diagnosis connector (Black) | LA | a187 | Air bag ECU | ER |
| a39 | Diagnosis connector (White) | LA | a188 | Combination switch | ER |
| a40 | Diagnosis short circuit connector | LA | Ja21 | ISOK JC4P | ER, LB |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-f 1 | Cab main wiring harness to Door RH wiring harness 1 | CB | a-f 3 | Cab main wiring harness to Door RH wiring harness 3 | EM |
| a-f 2 | Cab main wiring harness to Door RH wiring harness 2 | CB, CC, EA, EH, EK, EL, EM | | | |

https://truckmanualshub.com/

## IP-5 [INSTRUMENT PANEL (1 of 4)] (Models: Left-hand drive)




SHTS12Z160200211

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

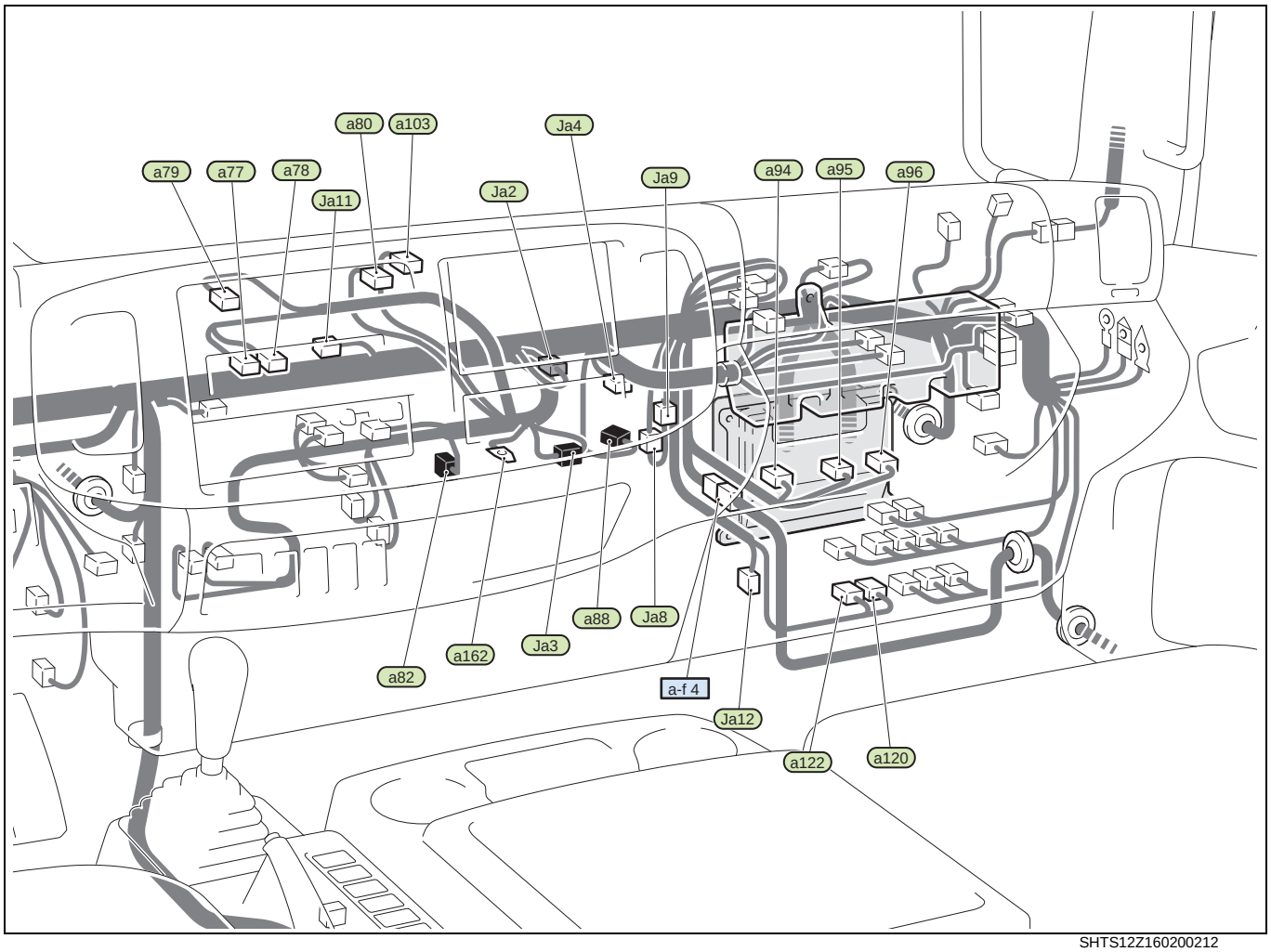
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a1 | Relay and fuse block 312 | AA | a111 | ABS+ES start ECU (31 pin) | HA |
| a2 | Relay and fuse block 090 | AA | a113 | ABS solenoid relay | HA |
| a31 | Front speaker RH | EJ | a114 | Engine ECU (34 pin) | GA, GD, GL |
| a56 | ES start controller (12 pin) | HC | a116 | Engine ECU (35 pin-1) | GA, GD, GF, GL |
| a58 | ES start controller (26 pin) | HC | a118 | Engine ECU (32 pin) | GA, GD, GF, GL, LC |
| a81 | Pulse adjust computer | BA | a129 | DC/DC converter (Common rail) | GD |
| a90 | TICS ECU (26 pin) | GE | a159 | Earth AS-1 | AB, MA |
| a91 | TICS ECU (16 pin) | GE | a160 | Earth AS-2 | BA, CA, CB, EC, EF, EI, FA, MA |
| a92 | TICS ECU (12 pin) | GE | a161 | Earth AS-3 | BA, CB, CI, DA, EB, EC, FA, IA, KA, KB, KC, LA, MA |
| a93 | TICS ECU (22 pin) | GE | a179 | Resister | GD |
| a101 | ABS ECU (18 pin) | HA | Ja1 | J/C-1 | AD, BA, CB, DA, EB, GA, GD, HA, HC, LB |
| a102 | ABS ECU (14 pin) | HA | Ja5 | J/C-5 | BA, GA, GD, HA, HC |
| a108 | ABS+ES start ECU (22 pin) | HA | Ja6 | J/C Common rail-1 | AD, GA, GD, GF, GL, HA, HC, LA |
| a109 | ABS+ES start ECU (28 pin) | HA | Ja7 | J/C Common rail-2 | GA, GD, GF, GL, KA, KB, KC |
| a110 | ABS+ES start ECU (24 pin) | HA | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, BG, CA, CB, CF, CI, GA, GD, GF, HB, HC, IA, LA, MA | a-h 1 | Cab main wiring harness to Roof wiring harness 1 | CB, DA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, CB, EE, FA, HA, HC, HF, KA, KB, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KB, KC |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA, HB | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, FA, GA, GD, HB, MA | | | |

https://truckmanualshub.com/

## IP-6 [INSTRUMENT PANEL (2 of 4)] (Models: Left-hand drive)




SHTS12Z160200212

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

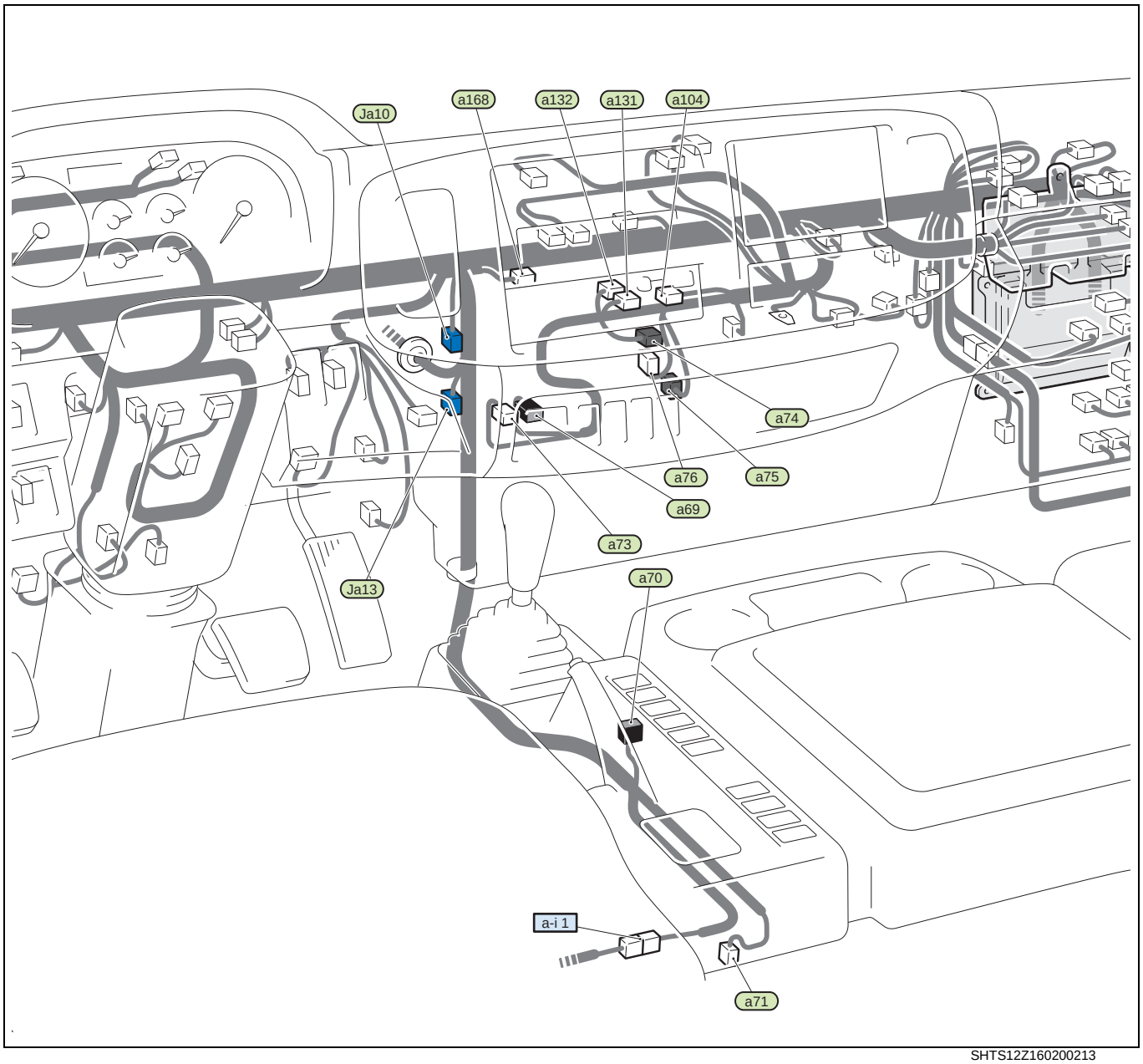
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a77 | Blower switch | FA | a120 | Engine ECU (35 pin-2) | GA, GD |
| a78 | Air conditioner switch | FA | a122 | Engine ECU (31 pin) | GA, GD |
| a79 | Radio/Audio unit | EJ | a162 | Earth G3 audio | EJ, MA |
| a80 | Digital tachograph | BG | Ja2 | J/C-2 | AD, CB, EI, GA, GD, GF, LA |
| a82 | Air conditioner unit | FA | Ja3 | J/C-3 | BA, BG, CA, CI, EF, EJ, FA, KA, KB, KC |
| a88 | Blower motor | FA | Ja4 | J/C-4 | BA, CB, CF, CI, GA, GD, HA, HC, LB |
| a94 | Over run relay | BD | Ja8 | J/C Common rail-3 | GA, GD |
| a95 | Turn signal flasher | CB | Ja9 | J/C Common rail-4 | GA, GD |
| a96 | Wiper controller | EC | Ja11 | J/C CAN | LB, LC |
| a103 | DC/DC converter (12V) | AC | Ja12 | J/C Earth DR-N | GA, GD |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-f 4 | Cab main wiring harness to Door RH wiring harness 4 | CB, EB, EI | | | |

https://truckmanualshub.com/

## IP-7 [INSTRUMENT PANEL (3 of 4)] (Models: Left-hand drive)




SHTS12Z160200213

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

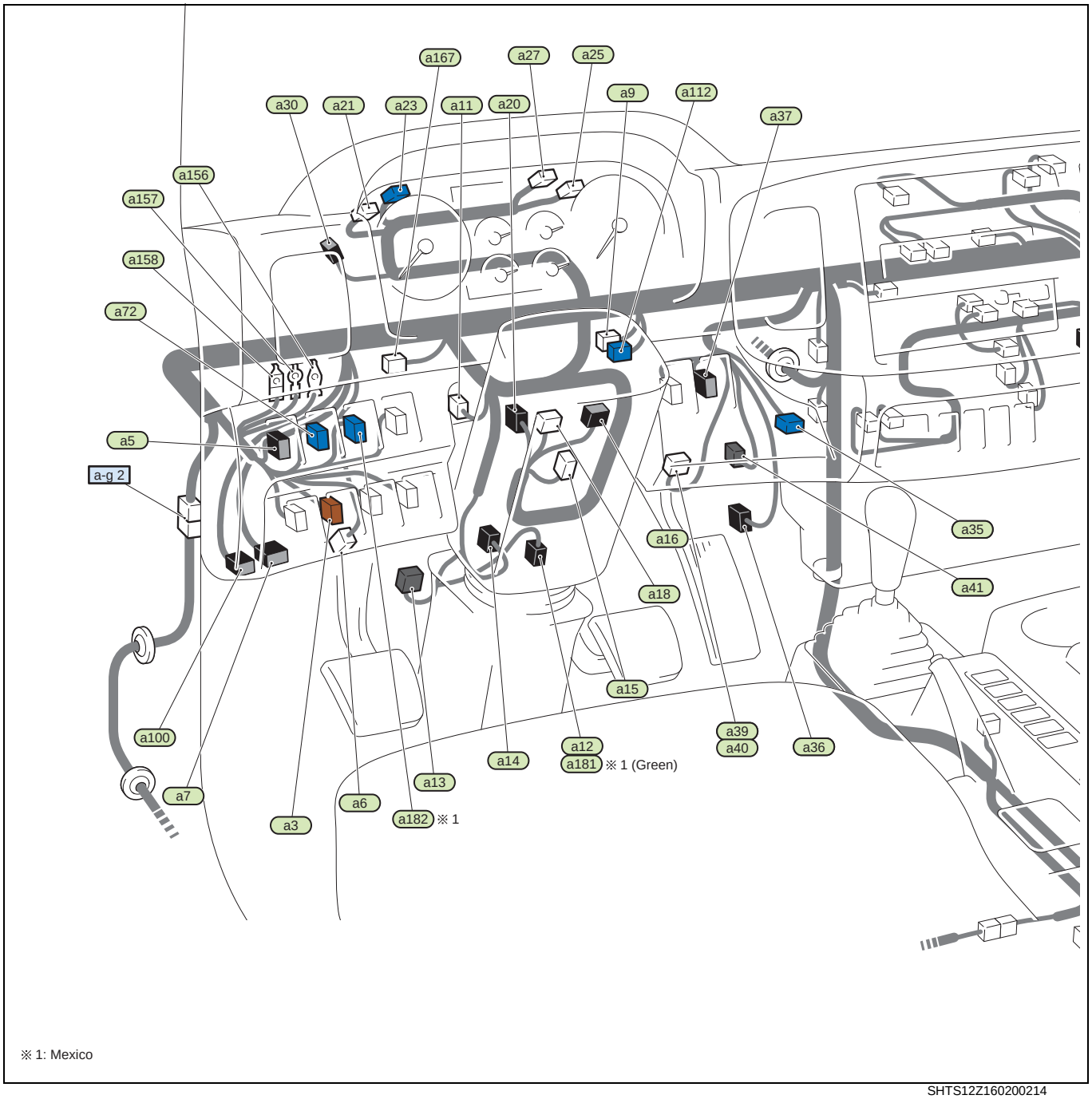
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a69 | ES start main switch | HA, HC | a104 | Service power (Ignition) | AA |
| a70 | Fluorescent light switch | DA | a131 | Idle up 1 | GL |
| a71 | Parking brake switch | BA | a132 | Idle up 2 | GL |
| a73 | Cigarette lighter | EF | a168 | Air conditioner diode | FA |
| a74 | ETC. spare power supply connector | AB | | | |
| a75 | Power door lock controller | EB | Ja10 | J/C Earth G4-a | BA, BG, HB, HC, MA |
| a76 | Coolant level warning relay | BA | Ja13 | J/C Earth G3 | AC, BA, CB, CF, DA, EB, HA, IA, ID, KA, KB, KC, LA, MA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-i 1 | Cab main wiring harness to Floor wiring harness 1 | DA | | | |

https://truckmanualshub.com/

## IP-8 [INSTRUMENT PANEL (4 of 4)] (Models: Left-hand drive)




SHTS12Z160200214

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

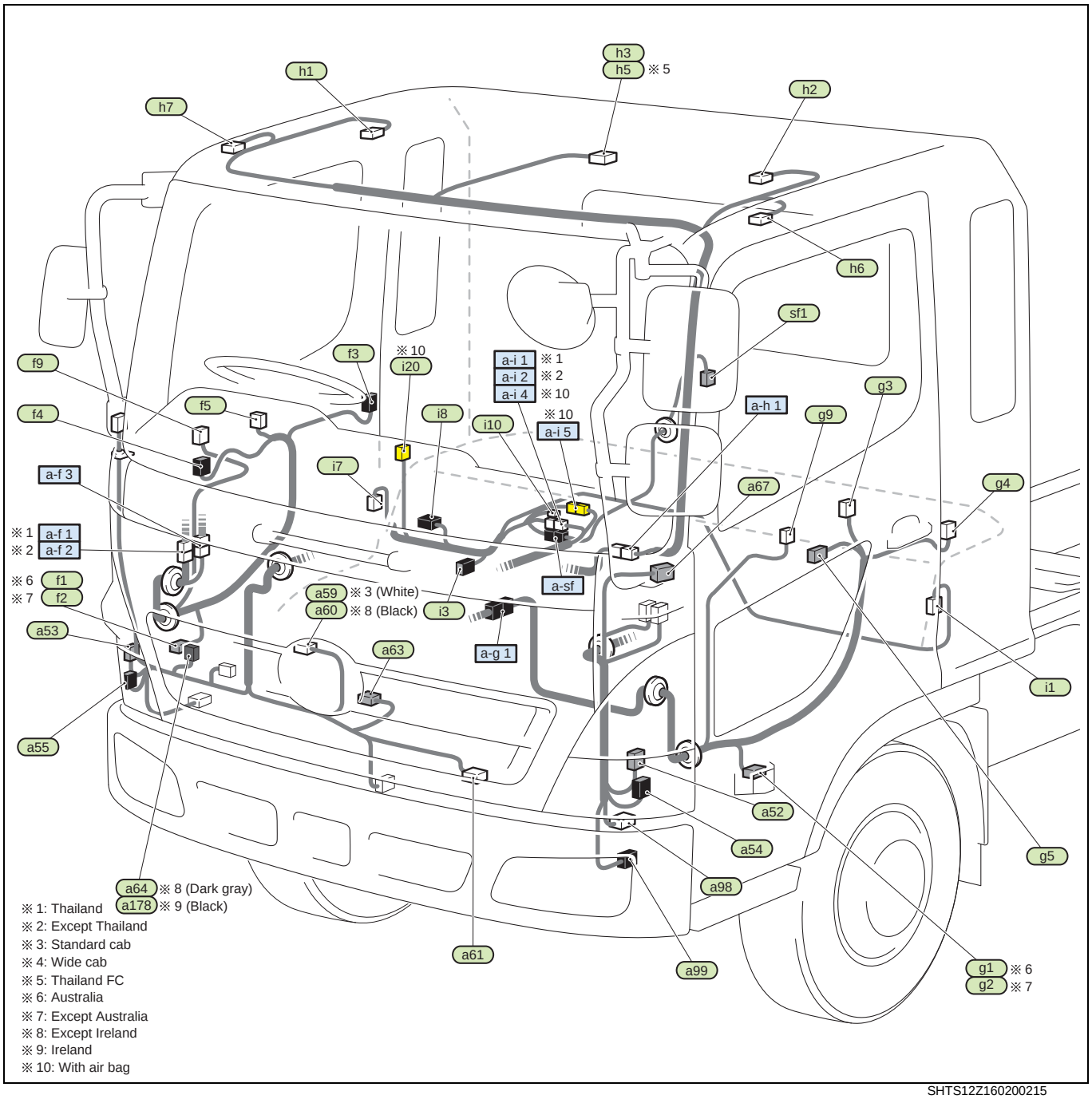
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a3 | Parking light switch | CB | a30 | Front speaker LH | EJ |
| a5 | Front fog light switch | CI | a35 | Idle volume | GA, GD |
| a6 | Clutch switch | GF | a36 | Accelerator sensor | GA, GD |
| a7 | Diagnosis connector (16 pin) | LB, LC | a37 | Differential lock switch | HF |
| a9 | Dump warning buzzer | KA, KB | a39 | Diagnosis connector (White) | LA |
| a11 | Warning buzzer | BA | a40 | Diagnosis short circuit connector | LA |
| a12 | Stop light switch | CB | a41 | Accelerator switch | GF |
| a13 | P.T.O. clutch switch | KA, KB, KC | a72 | Transmission P.T.O. switch | KA, KB, KC |
| a14 | Clutch stroke sensor | HA, HC | a100 | ABS diagnosis switch | HB |
| a15 | Horn switch | EE | a112 | ES start warning buzzer | HA |
| a16 | Light and turn switch | CA, CB | a156 | Earth DR-1 | AB, MA |
| a18 | Wiper and retarder switch | CB, EC, GE | a157 | Earth DR-2 | CA, CB, EC, EF, EI, FA, MA |
| a20 | Starter switch | AA | a158 | Earth DR-3 | BA, CB, CI, DA, EB, EC, FA, IA, KA, KB, KC, LA, MA |
| a21 | Combination meter (22 pin-L) | BA, LC | a167 | P.T.O. diode | KA, KC |
| a23 | Combination meter (18 pin-L) | BA | a181 | Stop light switch | GD |
| a25 | Combination meter (22 pin-R) | BA | a182 | Cruse set and resume switch (Light and turn switch) | GK |
| a27 | Combination meter (18 pin-R) | BA | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-g 2 | Cab main wiring harness to Door LH wiring harness 2 | CB, EB, EI | | | |

https://truckmanualshub.com/

## CA-1 (CAB) [Models: Right-hand drive (Single cab)]




SHTS12Z160200215

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

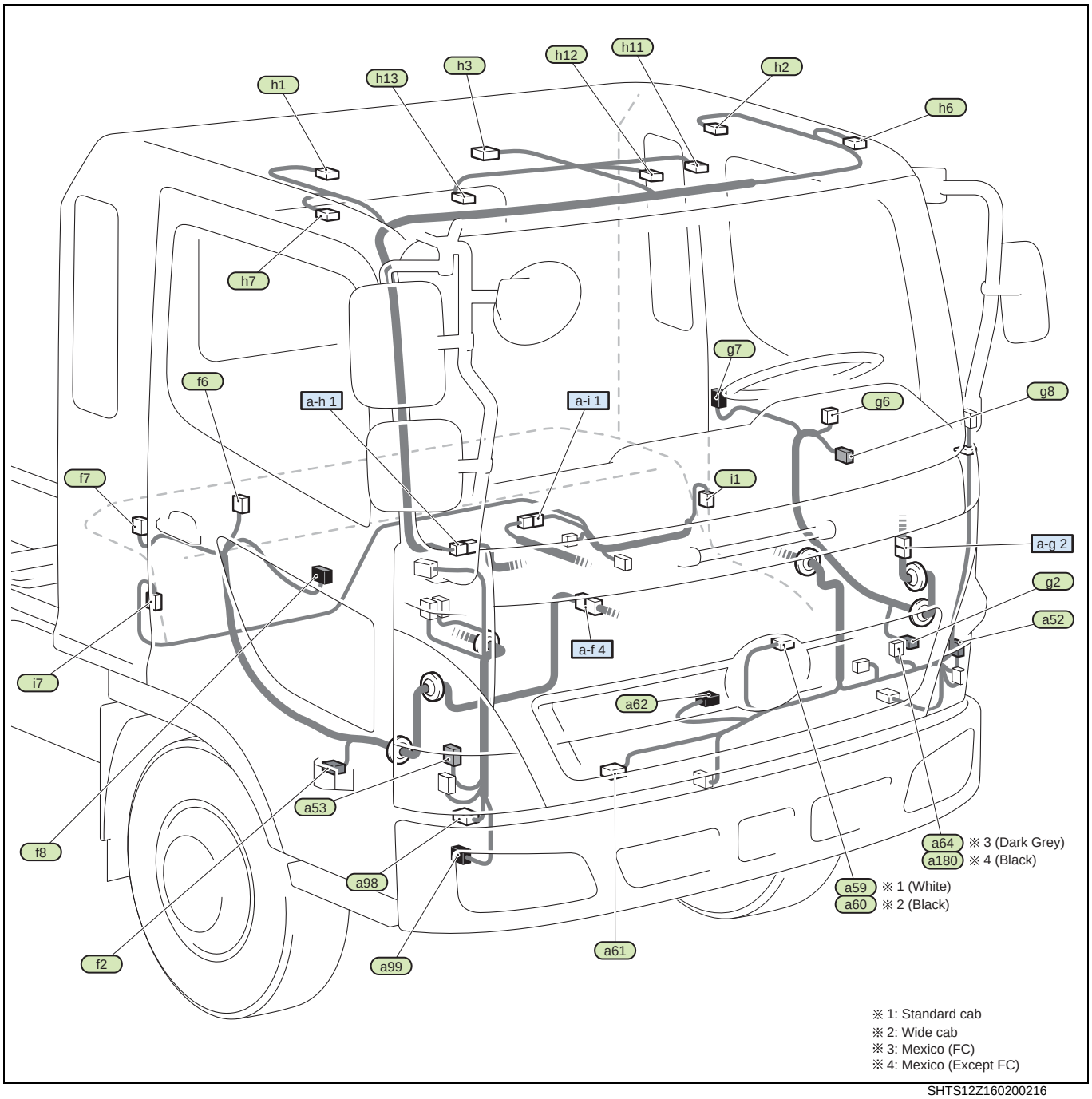
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a52 | Turn signal light (Front LH) | CB, CC, EM | g1 | Side turn signal light (Front LH) | EM |
| a53 | Turn signal light (Front RH) | CB, CC, EM | g2 | Side turn signal light (Front LH) | CB, CC |
| a54 | Side marker light LH | CB, CC, EM | g3 | Power window switch (Passenger's seat side) | EH |
| a55 | Side marker light RH | CB, CC, EM | g4 | Power door lock actuator (Passenger's seat side) | EA, EM |
| a59 | Wiper motor (Standard cab) | EC, EN | g5 | Power window motor (Passenger's seat side) | EH |
| a60 | Wiper motor (Wide cab) | EC, EN | g9 | Mirror heater LH | EK |
| a61 | Pressure switch (Triple) | FA | h1 | Dome light (Front RH) | DA |
| a63 | Engine stop motor | GJ | h2 | Dome light (Front LH) | DA |
| a64 | Brake switch (Except Ireland) | GH, GK | h3 | Fluorescent light | DA |
| a67 | Power mirror motor | ED | h5 | Dome light (Center) | DA |
| a98 | Washer pump motor (Headlight washer pump motor) | EC, EN, EO | h6 | Front endout marker light LH | CB, CC, EM |
| a99 | Air conditioner condenser | FA | h7 | Front endout marker light RH | CB, CC, EM |
| a178 | Brake switch (For Ireland) | HC | i1 | Courtesy switch (Front LH) | DA |
| f1 | Side turn signal light (Front RH) | EM | i3 | Seat belt switch | EG |
| f2 | Side turn signal light (Front RH) | CB, CC | i7 | Courtesy switch (Front RH) | DA |
| f3 | Power door lock switch (Driver's seat side) | EA, EM | i8 | Seat belt switch (For Australia) | EG |
| f4 | Power window motor (Driver's seat side) | EH | i10 | Dome light diode | DA |
| f5 | Power window switch (Driver's seat side) | EH | i20 | Seat belt pretensioner | ER |
| f9 | Mirror heater RH | EK | sf1 | Cab tilt lock switch | JA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-f 1 | Cab main wiring harness to Door RH wiring harness 1 | CB | a-i 1 | Cab main wiring harness to Floor wiring harness 1 | DA |
| a-f 2 | Cab main wiring harness to Door RH wiring harness 2 | CB, EA, EH, EK, EL, EM | a-i 2 | Cab main wiring harness to Floor wiring harness 2 | DA, EG |
| a-f 3 | Cab main wiring harness to Door RH wiring harness 3 | EM | a-i 4 | Cab main wiring harness to Floor wiring harness 4 | BA |
| a-g 1 | Cab main wiring harness to Door LH wiring harness 1 | CB, EA, EH, EK, EM | a-i 5 | Cab main wiring harness to Floor wiring harness 5 | BA, ER |
| a-h 1 | Cab main wiring harness to Roof wiring harness 1 | CB, DA, EM | a-sf | Cab main wiring harness to Floor panel sub wiring harness | JA |

https://truckmanualshub.com/

## CA-2 (CAB) (Models: Left-hand drive)




SHTS12Z160200216

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

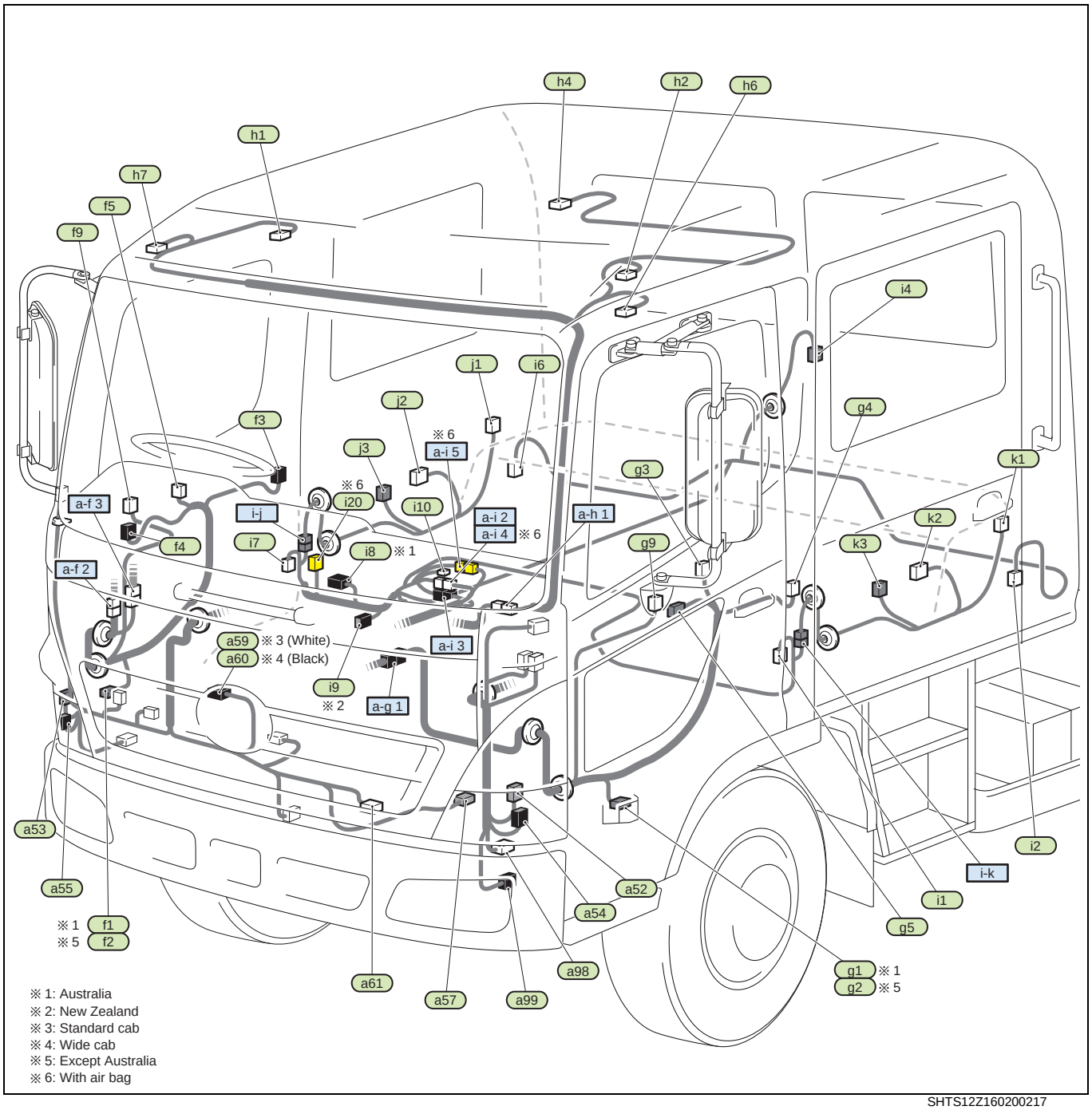
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a52 | Turn signal light (Front LH) | CB | g2 | Side turn signal light (Front LH) | CB |
| a53 | Turn signal light (Front RH) | CB | g6 | Power window switch (Driver's seat side) | EI |
| a59 | Wiper motor (Standard cab) | EC | g7 | Power door lock switch (Driver's seat side) | EB |
| a60 | Wiper motor (Wide cab) | EC | g8 | Power window motor (Driver's seat side) | EI |
| a61 | Pressure switch (Triple) | FA | h1 | Dome light (Front RH) | DA |
| a62 | Engine stop motor | GJ | h2 | Dome light (Front LH) | DA |
| a64 | Brake switch (FC) | GK | h3 | Fluorescent light | DA |
| a98 | Washer pump motor (Headlight washer pump motor) | EC | h6 | Front endout marker light LH | CB |
| a99 | Air conditioner condenser | FA | h7 | Front endout marker light RH | CB |
| a180 | Brake switch (Except FC) | GD | h11 | Indicator light LH | CB |
| f2 | Side turn signal light (Front RH) | CB | h12 | Indicator light center | CB |
| f6 | Power window switch (Passenger’s seat side) | EI | h13 | Indicator light RH | CB |
| f7 | Power door lock actuator (Passenger’s seat side) | EB | i1 | Courtesy switch (Front LH) | DA |
| f8 | Power window motor (Passenger’s seat side) | EI | i7 | Courtesy switch (Front RH) | DA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-f 4 | Cab main wiring harness to Door RH wiring harness 4 | CB, EB, EI | a-h 1 | Cab main wiring harness to Roof wiring harness 1 | CB, DA |
| a-g 2 | Cab main wiring harness to Door LH wiring harness 2 | CB, EB, EI | a-i 1 | Cab main wiring harness to Floor wiring harness 1 | DA |

https://truckmanualshub.com/

## CA-3 (CAB) [Models: Right-hand drive (Double cab)]




SHTS12Z160200217

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

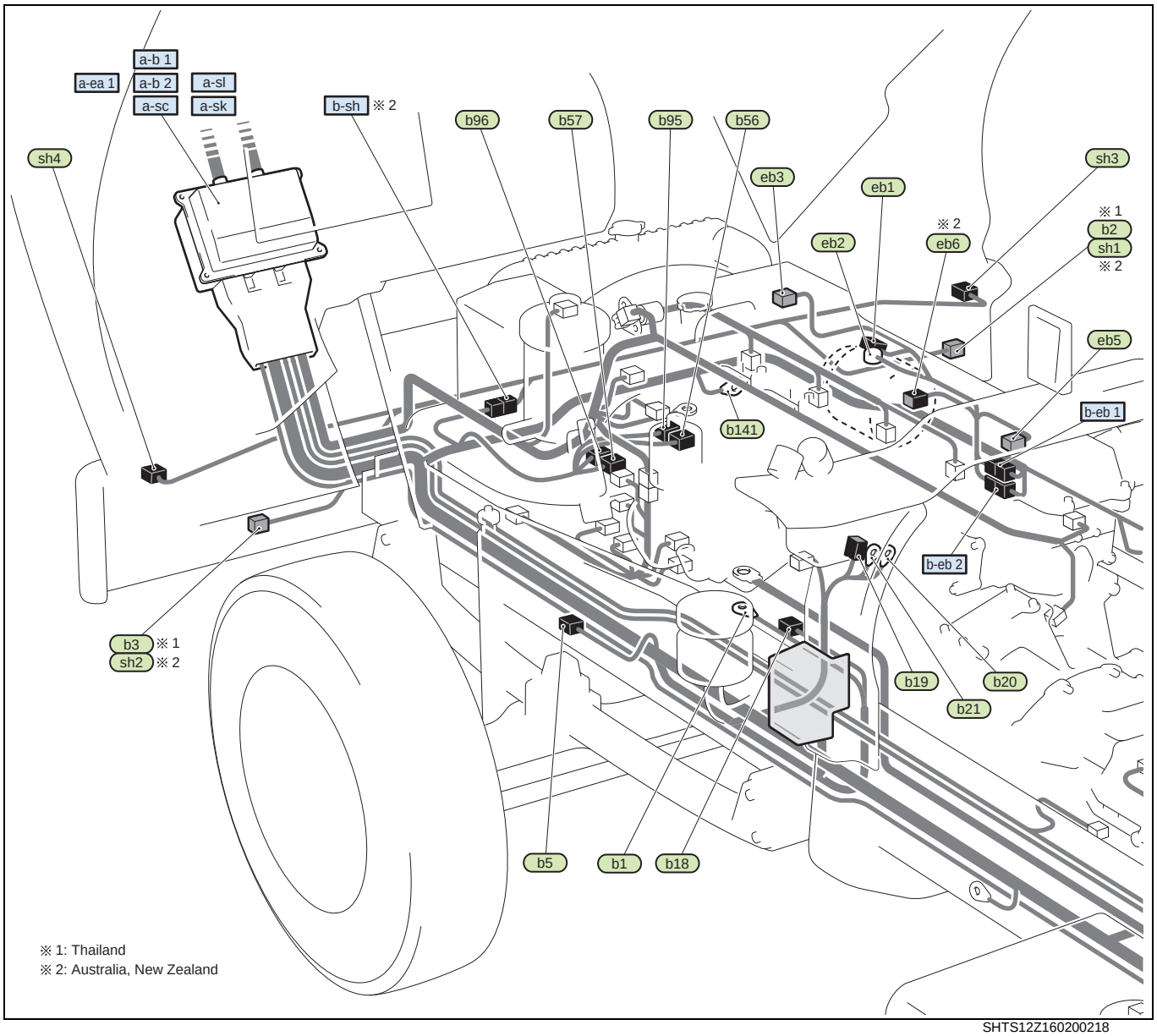
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a52 | Turn signal light (Front LH) | CB, EM | g9 | Mirror heater LH | EK |
| a53 | Turn signal light (Front RH) | CB, EM | h1 | Dome light (Front RH) | DA |
| a54 | Side marker light LH | EM | h2 | Dome light (Front LH) | DA |
| a55 | Side marker light RH | EM | h4 | Dome light (Rear) | DA |
| a57 | Cab tilt stop switch | JB | h6 | Front endout marker light LH | CB, EM |
| a59 | Wiper motor (Standard cab) | EC, EN | h7 | Front endout marker light RH | CB, EM |
| a60 | Wiper motor (Wide cab) | EC, EN | i1 | Courtesy switch (Front LH) | DA |
| a61 | Pressure switch (Triple) | FA | i2 | Courtesy switch (Rear LH) | DA |
| a98 | Washer pump motor | EC, EN | i4 | Cab tilt lock switch | JB |
| a99 | Air conditioner condenser | FA | i6 | Courtesy switch (Rear RH) | DA |
| f1 | Side turn signal light (Front RH) | EM | i7 | Courtesy switch (Front RH) | DA |
| f2 | Side turn signal light (Front RH) | CB | i8 | Seat belt switch (For Australia) | EG |
| f3 | Power door lock switch (Driver's seat side) | EA, EM | i9 | Seat belt switch (For New Zealand) | EG |
| f4 | Power window motor (Driver's seat side) | EH | i10 | Dome light diode | DA |
| f5 | Power window switch (Driver's seat side) | EH | i20 | Seat belt pretensioner | ER |
| f9 | Mirror heater RH | EK | j1 | Power door lock actuator (Rear RH) | EA, EM |
| g1 | Side turn signal light (Front LH) | EM | j2 | Power window switch (For rear RH) (Rear seat side) | EH |
| g2 | Side turn signal light (Front LH) | CB | j3 | Power window motor (Rear RH) | EH |
| g3 | Power window switch (Passenger’s seat side) | EH | k1 | Power door lock actuator (Rear LH) | EA, EM |
| g4 | Power door lock actuator (Passenger’s seat side) | EA, EM | k2 | Power window switch (For rear LH) (Rear seat side) | EH |
| g5 | Power window motor (Passenger’s seat side) | EH | k3 | Power window motor (Rear LH) | EH |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-f 2 | Cab main wiring harness to Door RH wiring harness 2 | CB, EA, EH, EK, EL, EM | a-i 3 | Cab main wiring harness to Floor wiring harness 3 | EA, EH, EM, JB |
| a-f 3 | Cab main wiring harness to Door RH wiring harness 3 | EM | a-i 4 | Cab main wiring harness to Floor wiring harness 4 | BA |
| a-g 1 | Cab main wiring harness to Door LH wiring harness 1 | CB, EA, EH, EK, EM | a-i 5 | Cab main wiring harness to Floor wiring harness 5 | BA, ER |
| a-h 1 | Cab main wiring harness to Roof wiring harness 1 | DA, EM | i-j | Floor wiring harness to Rear door RH wiring harness | EA, EH, EM |
| a-i 2 | Cab main wiring harness to Floor wiring harness 2 | DA, EG | i-k | Floor wiring harness to Rear door LH wiring harness | EA, EH, EM |

https://truckmanualshub.com/

## EG-1 [ENGINE (1 of 3)] (Models: FC for Australia, New Zealand, Thailand)




SHTS12Z160200218

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

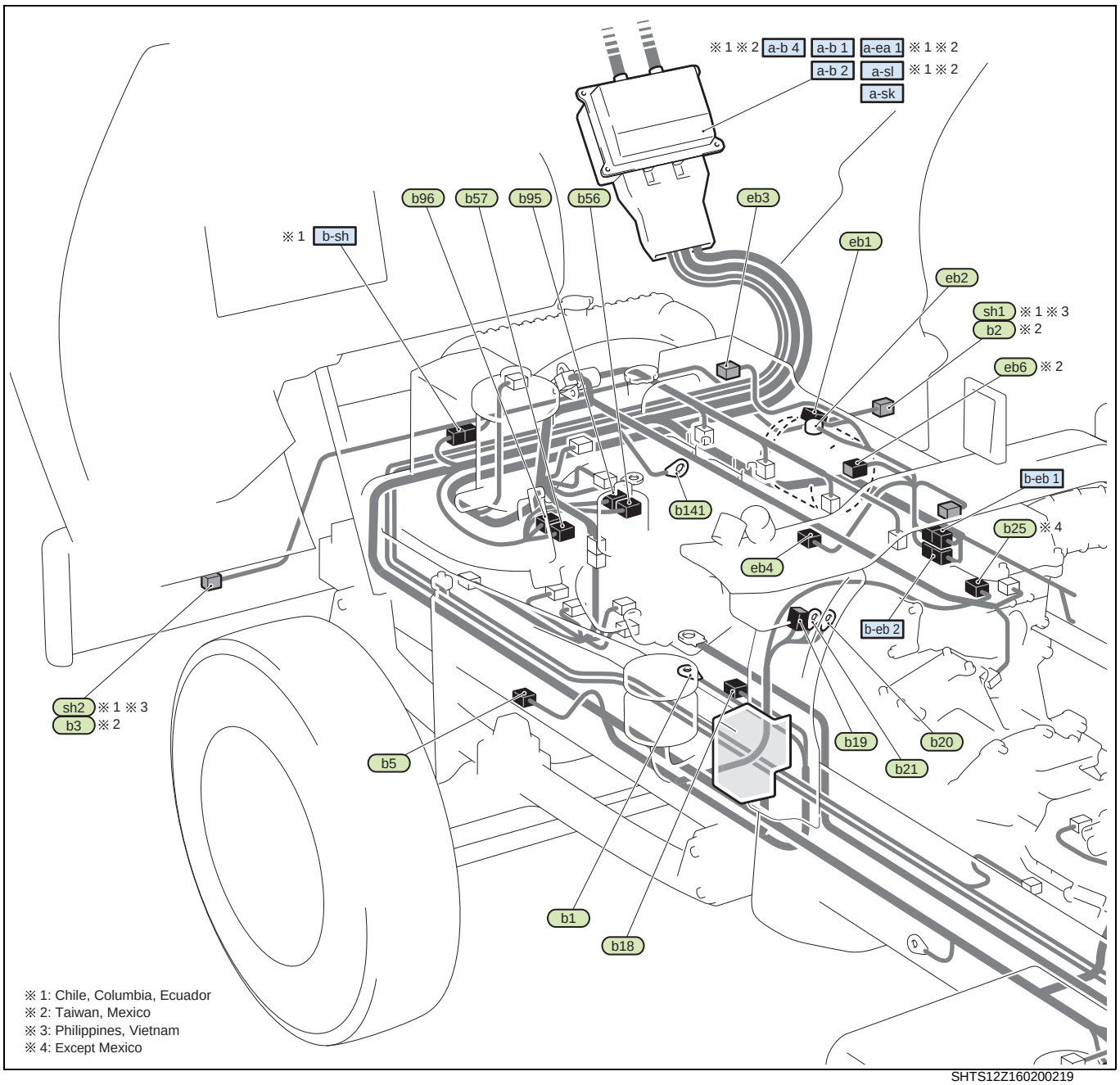
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b96 | Horn (Low) (Terminal L) | EE |
| b2 | Headlight RH | CA | b141 | Earth No.1 crossmember | BB, CF, EE, EM, HA, LF, MA |
| b3 | Headlight LH | CA | eb1 | Alternator (Terminals L, R) | AH |
| b5 | Wheel sensor (Front LH) | HA | eb2 | Alternator (Terminal B) | AH |
| b18 | Starter (Terminal C) | AD | eb3 | Coolant temperature sensor | GA, GD |
| b19 | Starter relay (Coil) | AD | eb5 | Oil pressure switch | BA |
| b20 | Starter relay (Terminal B) | AD | eb6 | VNT controller | GD |
| b21 | Starter relay (Terminal C) | AD | sh1 | Headlight RH | CA |
| b56 | Horn (High) (Terminal B) | EE | sh2 | Headlight LH | CA |
| b57 | Horn (Low) (Terminal B) | EE | sh3 | Headlight beam control actuator RH | CE |
| b95 | Horn (High) (Terminal L) | EE | sh4 | Headlight beam control actuator LH | CE |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, BG, BI, CA, CB, CE, CF, CI, EM, GA, GD, GF, LA, LF, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, EE, EM, FA, HA, HD, KA, MA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA, GD |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, FA, GA, GD, GK, MA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-sc | Cab main wiring harness to Brake lock sub wiring harness | HD | b-sh | Front wiring harness to headlight sub wiring harness | CA, CE |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA | | | |

https://truckmanualshub.com/

## EG-2 [ENGINE (1 of 3)]
## (Models: FC for Chile, Colombia, Ecuador, Philippines, Taiwan, Vietnam, Mexico)




SHTS12Z160200219

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

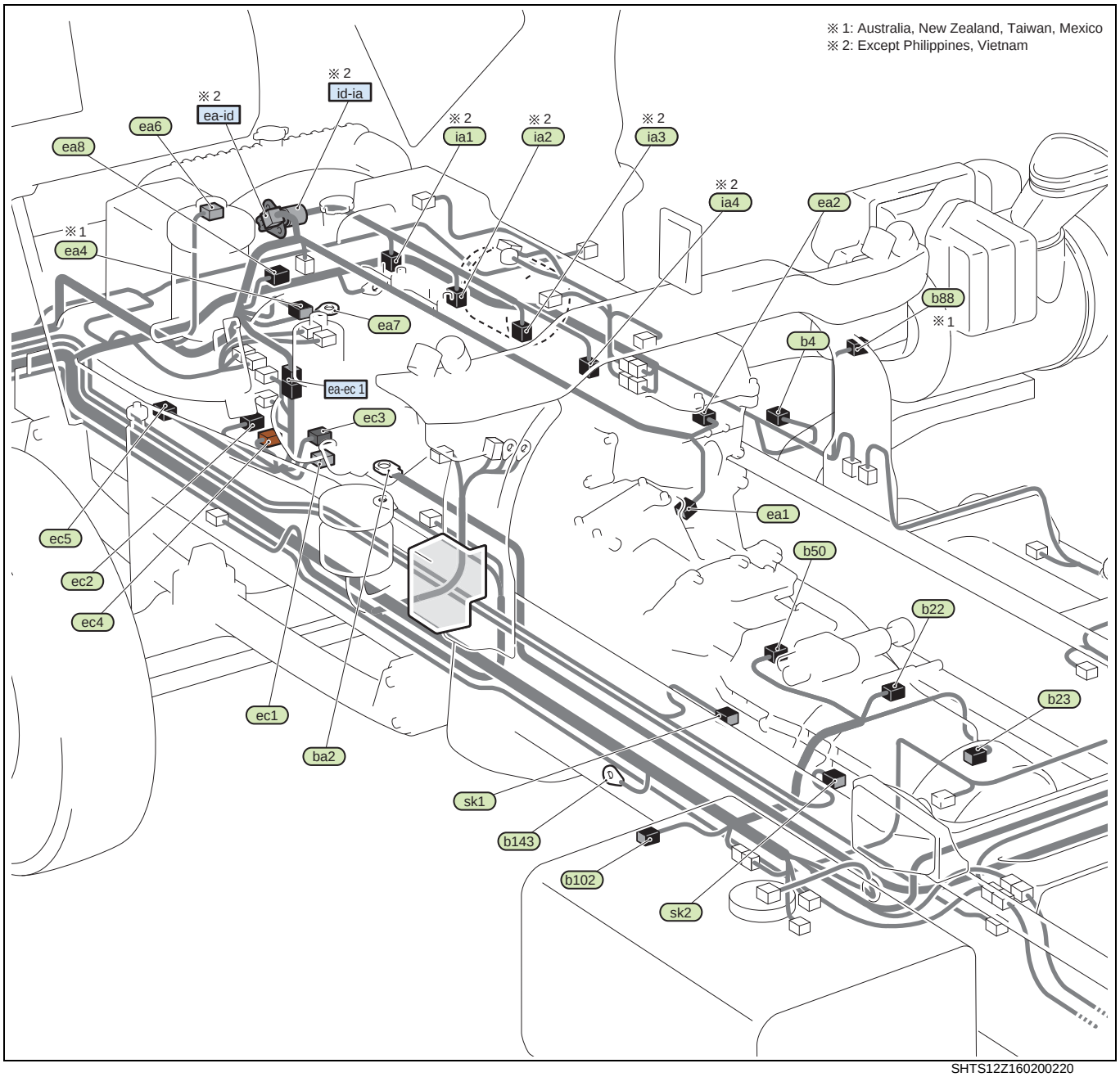
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b95 | Horn (High) (Terminal L) | EE |
| b2 | Headlight RH | CA | b96 | Horn (Low) (Terminal L) | EE |
| b3 | Headlight LH | CA | b141 | Earth No.1 crossmember | BB, CF, EE, HA, MA |
| b5 | Wheel sensor (Front LH) | HA | eb1 | Alternator (Terminals L, R) | AH |
| b18 | Starter (Terminal C) | AD | eb2 | Alternator (Terminal B) | AH |
| b19 | Starter relay (Coil) | AD | eb3 | Coolant temperature sensor | GA, GD |
| b20 | Starter relay (Terminal B) | AD | eb4 | Air conditioner compressor | FA |
| b21 | Starter relay (Terminal C) | AD | eb5 | Oil pressure switch | BA |
| b25 | Tachometer sensor | BE | eb6 | VNT controller | GD |
| b56 | Horn (High) (Terminal B) | EE | sh1 | Headlight RH | CA |
| b57 | Horn (Low) (Terminal B) | EE | sh2 | Headlight LH | CA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, BG, CA, CB, CF, CI, GA, GD, GF, LA, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, CB, EE, FA, HA, KA, MA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, FA, GA, GD, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KC | | | |

https://truckmanualshub.com/

## EG-3 [ENGINE (2 of 3)] (Model: FC)




SHTS12Z160200220

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

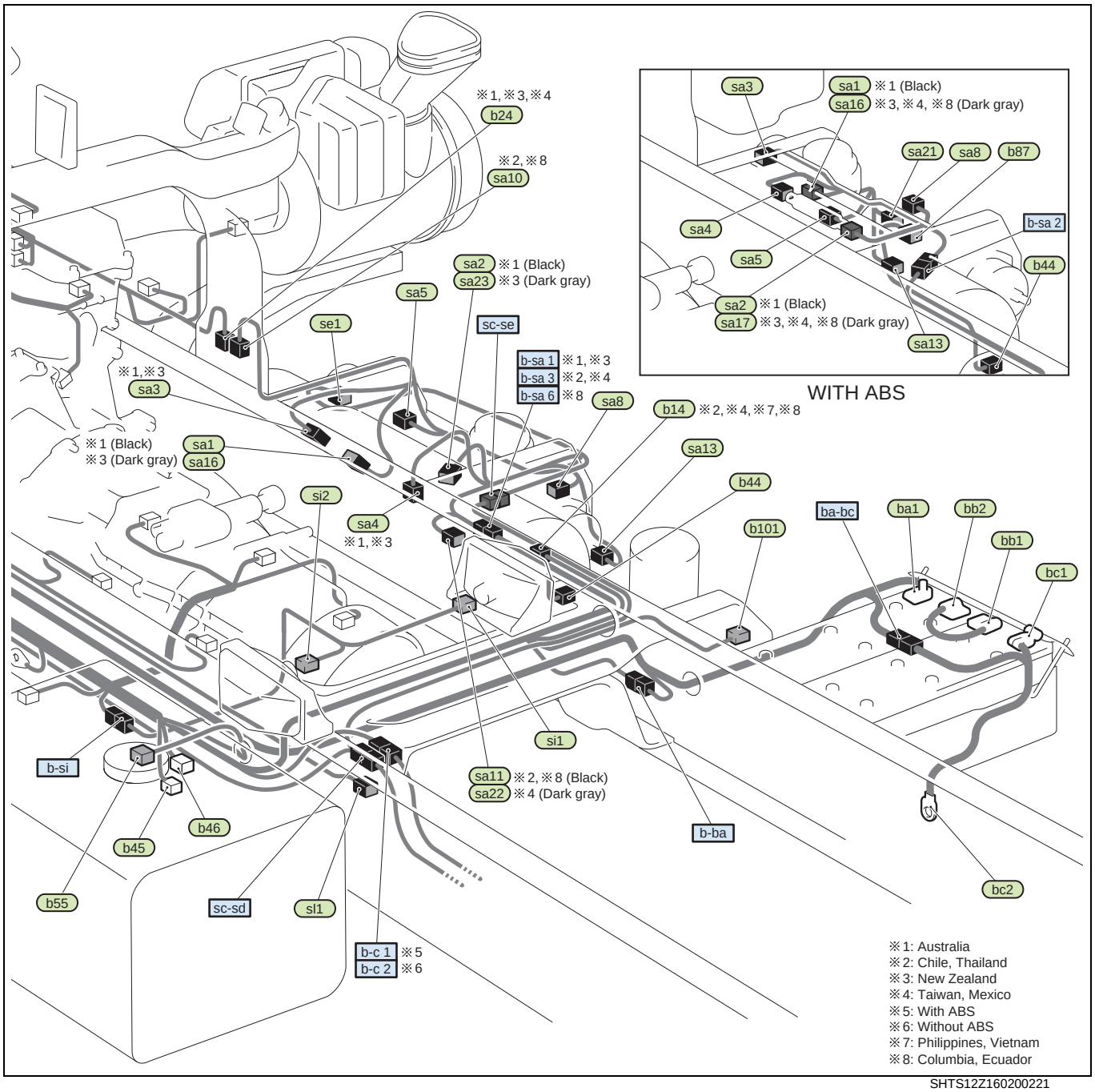
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b4 | Wheel sensor (Front RH) | HA | ea8 | Boost pressure sensor | GA, GD |
| b22 | Backup light switch | CF | ec1 | Fuel filter level sensor | BA |
| b23 | Vehicle speed sensor | BA | ec2 | Common rail pressure sensor | GA, GD |
| b50 | Neutral switch | AD | ec3 | Fuel temperature sensor | GA, GD |
| b88 | Air flow sensor | GD | ec4 | SCV (Suction Control Valve) | GA, GD |
| b102 | Left turn buzzer | CB | ec5 | Air conditioner compressor | FA |
| b143 | Earth rear axle | BB, CF, EE, EM, HA, LF, MA | ia1 | Fuel injector No.1 | GA, GD |
| ba2 | Starter (Terminal B) | AD | ia2 | Fuel injector No.2 | GA, GD |
| ea1 | Engine speed main sensor | GA, GD | ia3 | Fuel injector No.3 | GA, GD |
| ea2 | Engine speed sub sensor | GA, GD | ia4 | Fuel injector No.4 | GA, GD |
| ea4 | EGR valve 1 | GD | sk1 | P.T.O. position switch | KA |
| ea6 | Coolant level switch | BA, EN | sk2 | P.T.O. magnetic valve | KA |
| ea7 | Earth injector | BA, EN, GA, GD, MA | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ea-ec 1 | Engine wiring harness-1 to Engine wiring harness-3_1 | BA, FA, GA, GD | id-ia | Link-up connector to Injector wiring harness | GA, GD |
| ea-id | Engine wiring harness-1 to Link-up connector | GA, GD | | | |

https://truckmanualshub.com/

## EG-4 [ENGINE (3 of 3)] (Model: FC)




SHTS12Z160200221

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

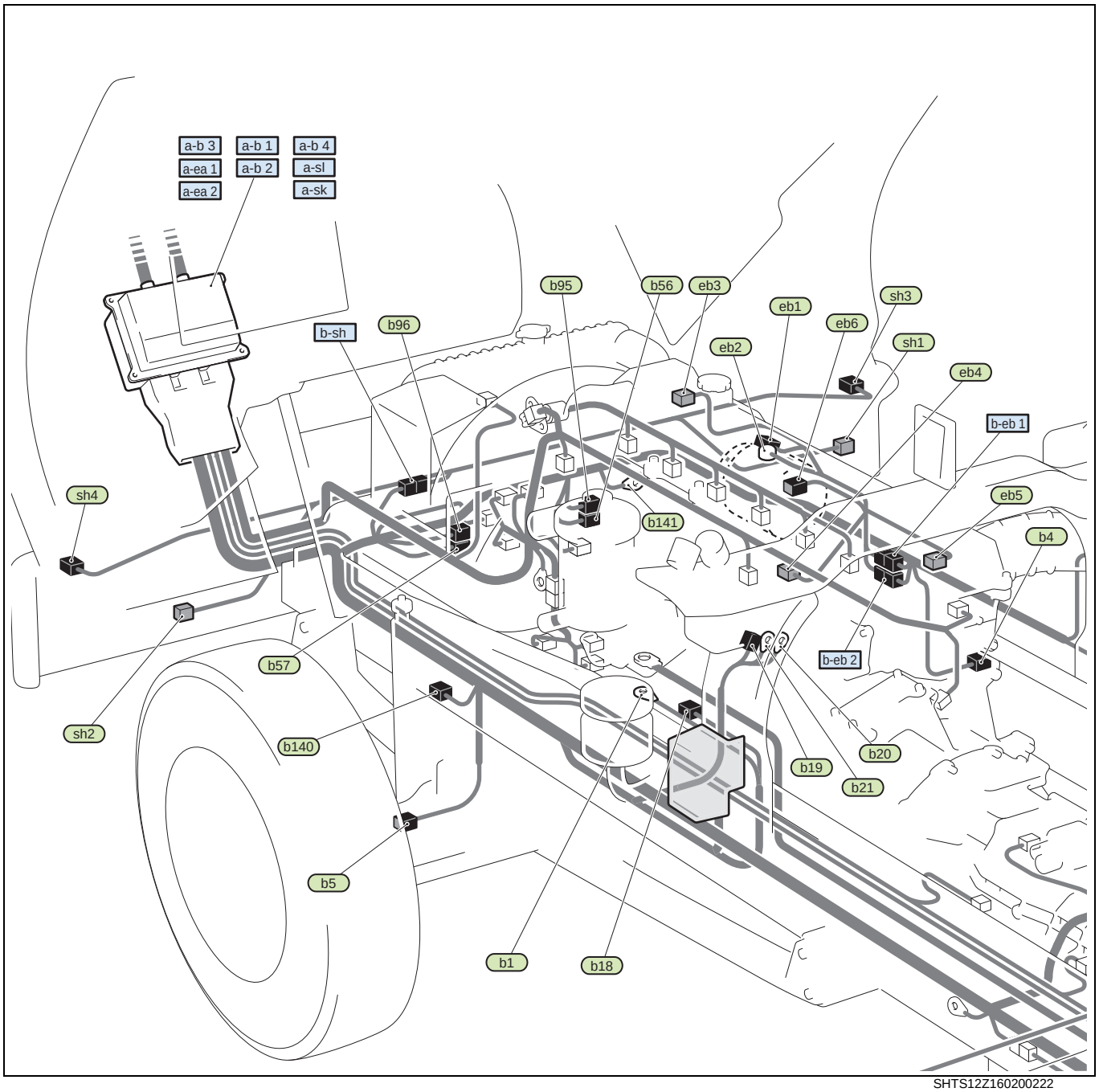
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b14 | Air gauge sensor (Rear) | BB | sa4 | Air gauge sensor (Rear) | BB |
| b24 | Exhaust brake magnetic valve | GF | sa5 | Brake adjust switch (Front) | BB |
| b44 | Air dryer heater | LF | sa8 | Brake fluid level switch | BB |
| b45 | Dump up switch | KA | sa10 | Exhaust brake magnetic valve | GF |
| b46 | Service power (Tail) | AB | sa11 | Low pressure switch 3 (Wet) | BB |
| b55 | Fuel gauge sender unit | BA | sa13 | Brake adjust switch (Rear) | BB |
| b87 | Hydraulic unit | HA | sa16 | Low pressure switch 2 (Front) | BB |
| b101 | Right turn buzzer | CB | sa17 | Low pressure switch 3 (Rear) | BB |
| ba1 | Battery (+) terminal (Battery 2) | AA | sa21 | Master cylinder sensor (Brake fluid pressure sensor) | HA |
| bb1 | Battery (+) terminal (Battery 1) | AA | sa22 | Low pressure switch 3 (Wet) | BB |
| bb2 | Battery (-) terminal (Battery 2) | AA | sa23 | Low pressure switch 3 (Rear) | BB |
| bc1 | Battery (-) terminal (Battery 1) | AA | se1 | Brake lock pressure switch | HD |
| bc2 | Battery ground | AA, BA, BG, BI, HB, HE, MA | si1 | Side turn signal light (Mid RH) | CB |
| sa1 | Low pressure switch 2 (Front) | BB | si2 | Side turn signal light (Mid LH) | CB |
| sa2 | Low pressure switch 3 (Rear) | BB | sl1 | P.T.O. accelerator sensor | GL |
| sa3 | Air gauge sensor (Front) | BB | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CF, EM, HA, MA | b-sa 6 | Front wiring harness to Air tank sub wiring harness 6 | BB |
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | CA, CB, EM, MA | b-si | Front wiring harness to Side turn signal light sub wiring harness | CB |
| b-ba | Front wiring harness to Battery cable-1 | BA, BG, BI, MA | ba-bc | Battery cable-1 to Battery cable-3 | MA |
| b-sa 1 | Front wiring harness to Air tank sub wiring harness 1 | BB | sc-sd | Brake lock sub wiring harness to Brake lock (Pressure switch) sub wiring harness | HD |
| b-sa 2 | Front wiring harness to Air tank sub wiring harness 2 | BB, HA | sc-se | Brake lock sub wiring harness to Brake lock (Buzzer) sub wiring harness | HD |
| b-sa 3 | Front wiring harness to Air tank sub wiring harness 3 | BB, GF | | | |

https://truckmanualshub.com/

## EG-5 [ENGINE (1 of 3)] (Models: FD for Australia, Hong Kong, New Zealand, Singapore)




SHTS12Z160200222

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

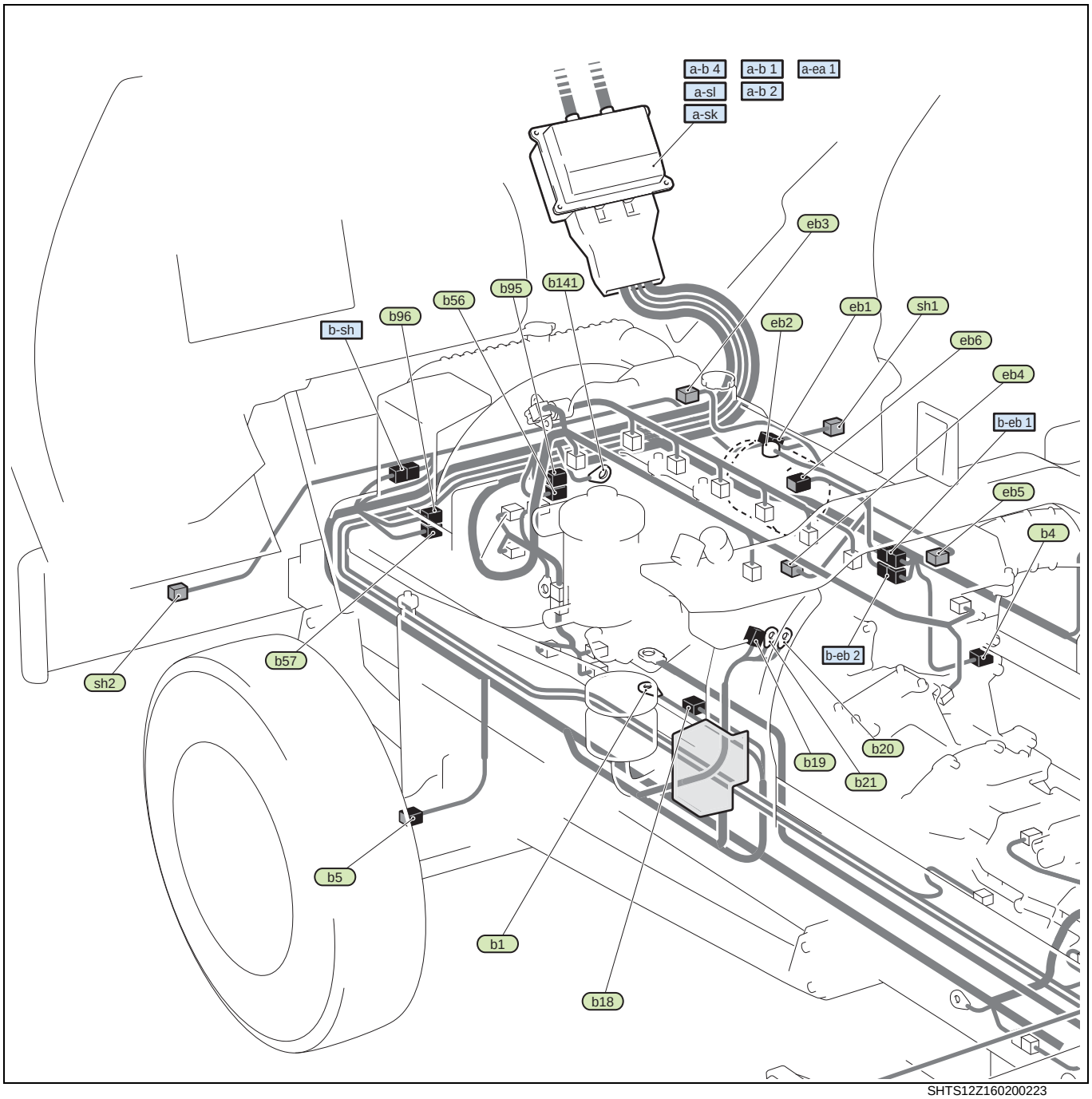
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b141 | Earth No.1 crossmember | BB, BC, CF, EE, EM, HA, LF, MA |
| b4 | Wheel sensor (Front RH) | HA | eb1 | Alternator (Terminals L, R) | AH |
| b5 | Wheel sensor (Front LH) | HA | eb2 | Alternator (Terminal B) | AH |
| b18 | Starter (Terminal C) | AD | eb3 | Coolant temperature sensor | GC, GD |
| b19 | Starter relay (Coil) | AD | eb4 | Air conditioner compressor | FA |
| b20 | Starter relay (Terminal B) | AD | eb5 | Oil pressure switch | BA |
| b21 | Starter relay (Terminal C) | AD | eb6 | VNT controller | GC, GD |
| b56 | Horn (High) (Terminal B) | EE | sh1 | Headlight RH | CA |
| b57 | Horn (Low) (Terminal B) | EE | sh2 | Headlight LH | CA |
| b95 | Horn (High) (Terminal L) | EE | sh3 | Headlight beam control actuator RH | CE, CJ |
| b96 | Horn (Low) (Terminal L) | EE | sh4 | Headlight beam control actuator LH | CE, CJ |
| b140 | Vehicle height sensor (Front) | CJ | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, CA, CB, CE, CF, CI, CJ, EM, GC, GD, GF, HE, LA, LF, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, CB, EE, EM, FA, HA, KA, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | GF, HA, LA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GC, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, CJ, HA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, GC, GD, GK, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA, CE, CJ |
| a-ea 2 | Cab main wiring harness to Engine wiring harness-1_2 | GC | | | |

https://truckmanualshub.com/

## EG-6 [ENGINE (1 of 3)] (Models: FD for Taiwan, GD for Chile, Colombia, Ecuador)




SHTS12Z160200223

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

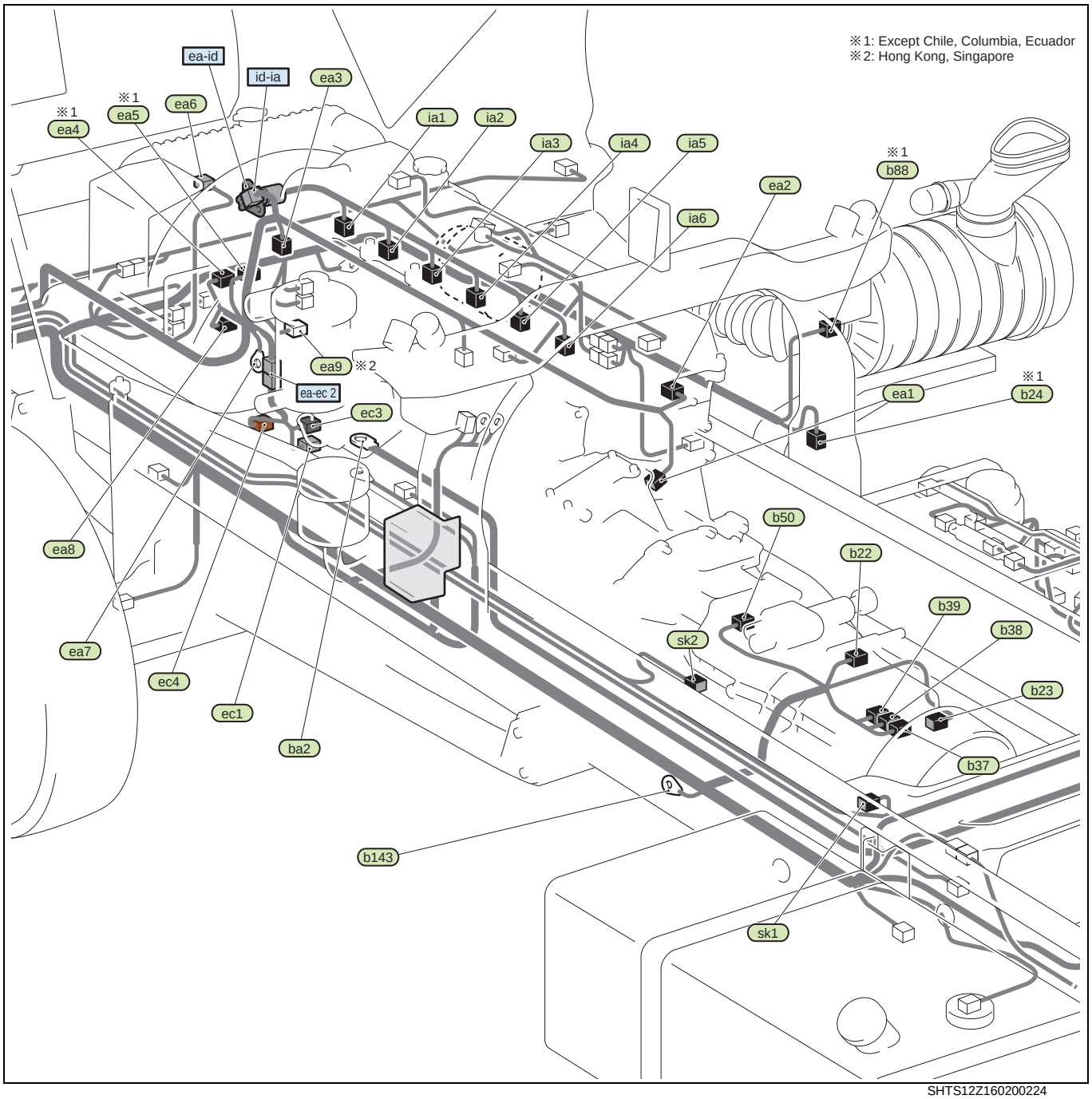
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b96 | Horn (Low) (Terminal L) | EE |
| b4 | Wheel sensor (Front RH) | HA | b141 | Earth No.1 crossmember | BB, CF, EE, HA, MA |
| b5 | Wheel sensor (Front LH) | HA | eb1 | Alternator (Terminals L, R) | AH |
| b18 | Starter (Terminal C) | AD | eb2 | Alternator (Terminal B) | AH |
| b19 | Starter relay (Coil) | AD | eb3 | Coolant temperature sensor | GA, GD |
| b20 | Starter relay (Terminal B) | AD | eb4 | Air conditioner compressor | FA |
| b21 | Starter relay (Terminal C) | AD | eb5 | Oil pressure switch | BA |
| b56 | Horn (High) (Terminal B) | EE | eb6 | VNT controller | GD |
| b57 | Horn (Low) (Terminal B) | EE | sh1 | Headlight RH | CA |
| b95 | Horn (High) (Terminal L) | EE | sh2 | Headlight LH | CA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, BG, CA, CB, CF, CI, GA, GD, GF, LA, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, EE, FA, HA, KA, MA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, GA, GD, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA | | | |

https://truckmanualshub.com/

## EG-7 [ENGINE (2 of 3)] (Models: FD, GD)




SHTS12Z160200224

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

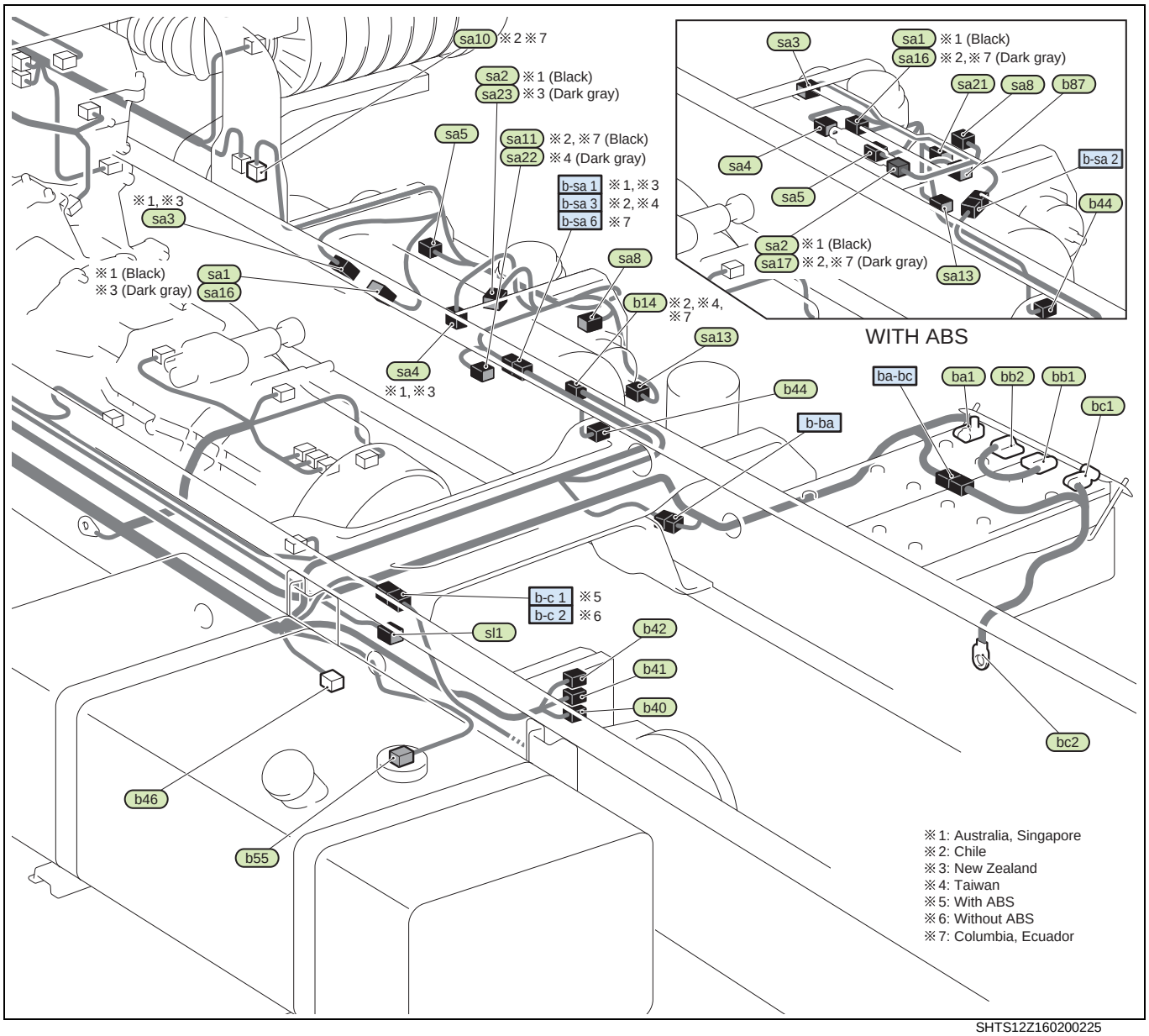
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b22 | Backup light switch | CF | ea6 | Coolant level switch | BA, EN |
| b23 | Vehicle speed sensor | BA | ea7 | Earth injector | BA, EN, GA, GC, GD, MA |
| b24 | Exhaust brake magnetic valve | GF | ea8 | Boost pressure sensor | GA, GC, GD |
| b37 | Retarder ECU (Drive unit main 1) | HE | ea9 | Intake manifold temperature sensor | GC |
| b38 | Retarder ECU (Drive unit main 2) | HE | ec1 | Fuel filter level sensor | BA |
| b39 | Retarder main unit (Thermistor) | HE | ec3 | Fuel temperature sensor | GA, GC, GD |
| b50 | Neutral switch | AD | ec4 | SCV (Suction Control Valve) | GA, GC, GD |
| b88 | Air flow sensor | GC, GD | ia1 | Fuel injector No.1 | GA, GC, GD |
| b143 | Earth rear axle | BB, BC, CF, EE, EM, HA, HB, LF, MA | ia2 | Fuel injector No.2 | GA, GC, GD |
| ba2 | Starter (Terminal B) | AD | ia3 | Fuel injector No.3 | GA, GC, GD |
| ea1 | Engine speed main sensor | GA, GC, GD | ia4 | Fuel injector No.4 | GA, GC, GD |
| ea2 | Engine speed sub sensor | GA, GC, GD | ia5 | Fuel injector No.5 | GA, GC, GD |
| ea3 | Common rail pressure sensor | GA, GC, GD | ia6 | Fuel injector No.6 | GA, GC, GD |
| ea4 | EGR valve 1 | GC, GD | sk1 | P.T.O. position switch | KA |
| ea5 | EGR valve 2 | GC, GD | sk2 | P.T.O. magnetic valve | KA |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GA, GC, GD | id-ia | Link-up connector to Injector wiring harness | GA, GC, GD |
| ea-id | Engine wiring harness-1 to Link-up connector | GA, GC, GD | | | |

https://truckmanualshub.com/

## EG-8 [ENGINE (3 of 3)] (Models: FD, GD)




SHTS12Z160200225

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

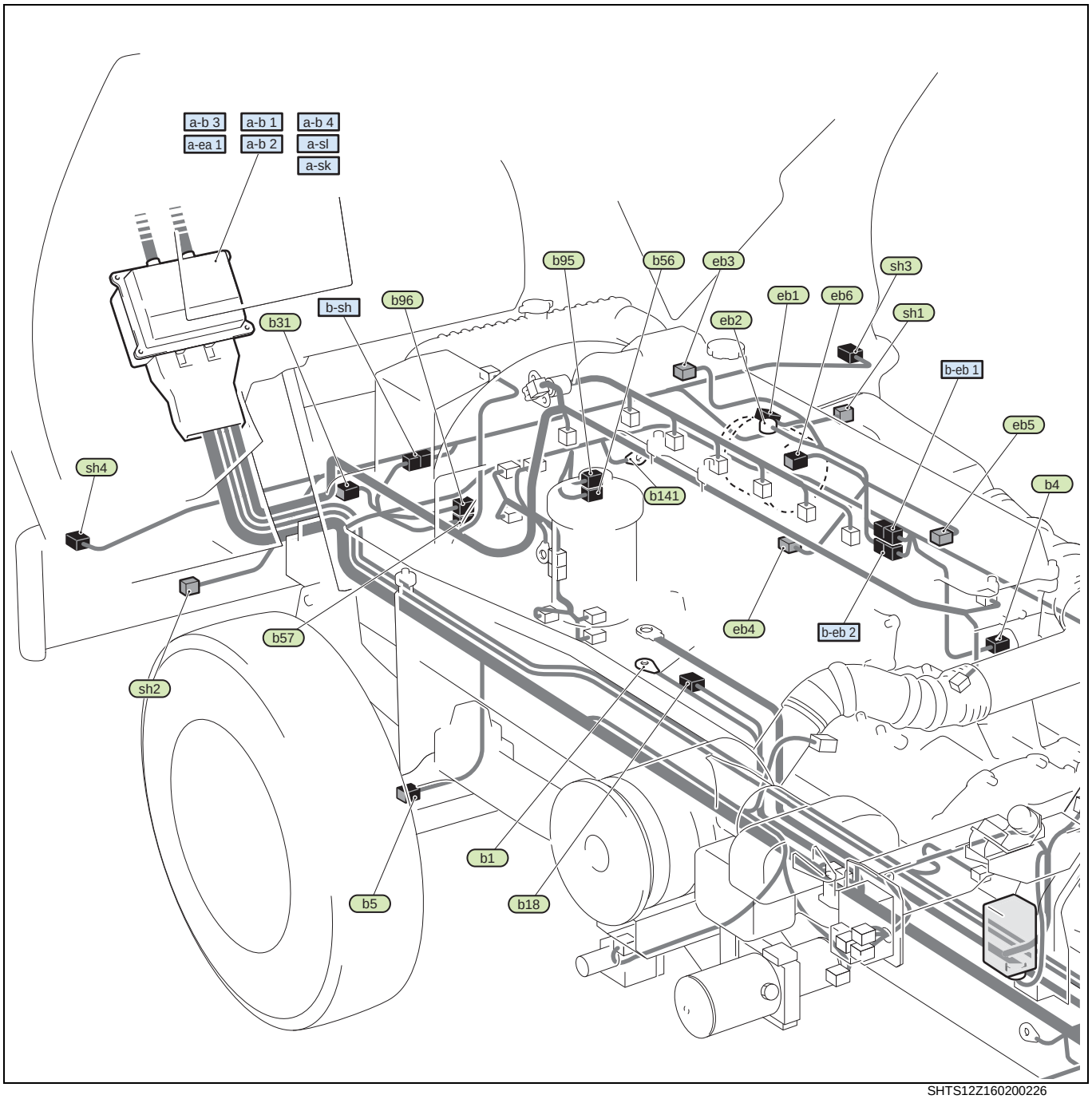
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b14 | Air gauge sensor (Rear) | BB | sa2 | Low pressure switch 3 (Rear) | BB |
| b40 | Retarder main unit (Main 1) | HE | sa3 | Air gauge sensor (Front) | BB |
| b41 | Retarder main unit (Main 2) | HE | sa4 | Air gauge sensor (Rear) | BB |
| b42 | Retarder ECU (Control unit) | HE | sa5 | Brake adjust switch (Front) | BB |
| b44 | Air dryer heater | LF | sa8 | Brake fluid level switch | BB |
| b46 | Service power (Tail) | AB | sa10 | Exhaust brake magnetic valve | GF |
| b55 | Fuel gauge sender unit | BA | sa11 | Low pressure switch 3 (Wet) | BB |
| b87 | Hydraulic unit | HA | sa13 | Brake adjust switch (Rear) | BB |
| ba1 | Battery (+) terminal (Battery 2) | AA | sa16 | Low pressure switch 2 (Front) | BB |
| bb1 | Battery (+) terminal (Battery 1) | AA | sa17 | Low pressure switch 3 (Rear) | BB |
| bb2 | Battery (-) terminal (Battery 2) | AA | sa21 | Master cylinder sensor (Brake fluid pressure sensor) | HA |
| bc1 | Battery (-) terminal (Battery 1) | AA | sa22 | Low pressure switch 3 (Wet) | BB |
| bc2 | Battery ground | AA, BA, BG, CJ, HE, MA | sa23 | Low pressure switch 3 (Rear) | BB |
| sa1 | Low pressure switch 2 (Front) | BB | sl1 | P.T.O. accelerator sensor | GL |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CF, CJ, EM, HA, MA | b-sa 2 | Front wiring harness to Air tank sub wiring harness 2 | BB, HA |
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | BC, CA, CB, EM, MA | b-sa 3 | Front wiring harness to Air tank sub wiring harness 3 | BB, GF |
| b-ba | Front wiring harness to Battery cable-1 | BA, BG, CJ, HE, MA | b-sa 6 | Front wiring harness to Air tank sub wiring harness 6 | BB |
| b-sa 1 | Front wiring harness to Air tank sub wiring harness 1 | BB | ba-bc | Battery cable-1 to Battery cable-3 | MA |

https://truckmanualshub.com/

## EG-9 [ENGINE (1 of 3)] [Model: FD double cab]




SHTS12Z160200226

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

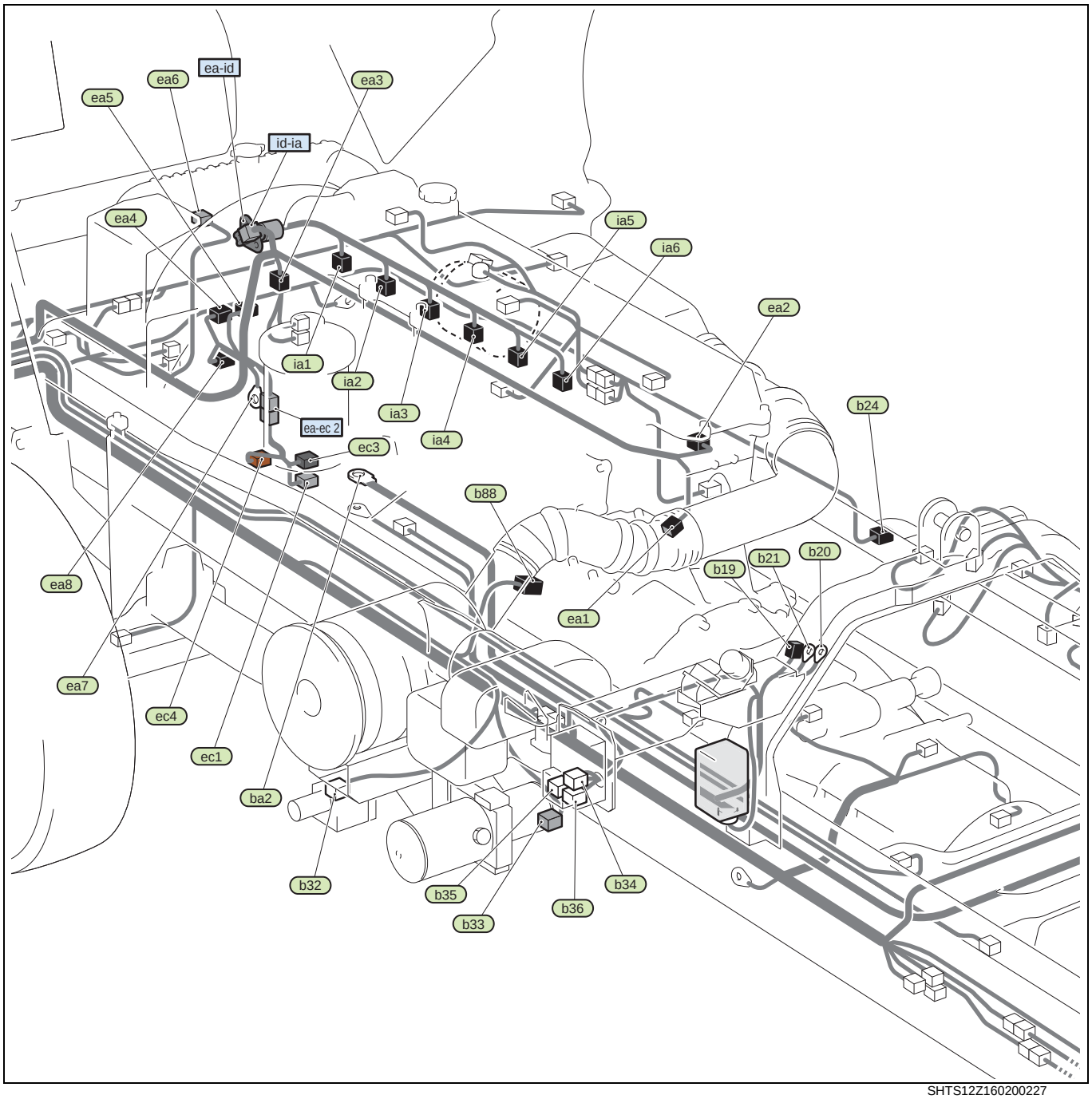
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b4 | Wheel sensor (Front RH) | HA | eb2 | Alternator (Terminal B) | AH |
| b5 | Wheel sensor (Front LH) | HA | eb3 | Coolant temperature sensor | GD |
| b18 | Starter (Terminal C) | AD | eb4 | Air conditioner compressor | FA |
| b31 | Cab tilt buzzer | JB | eb5 | Oil pressure switch | BA |
| b56 | Horn (High) (Terminal B) | EE | eb6 | VNT controller | GD |
| b57 | Horn (Low) (Terminal B) | EE | sh1 | Headlight RH | CA |
| b95 | Horn (High) (Terminal L) | EE | sh2 | Headlight LH | CA |
| b96 | Horn (Low) (Terminal L) | EE | sh3 | Headlight beam control actuator RH | CE |
| b141 | Earth No.1 crossmember | BB, BC, CF, EE, HA, JB, LF, MA | sh4 | Headlight beam control actuator LH | CE |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, CA, CB, CE, CF, CI, EM, GD, GF, LA, LF, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, EE, EM, FA, HA, KA, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | GF, HA, JB, LA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, GD, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA, CE |

https://truckmanualshub.com/

## EG-10 [ENGINE (2 of 3)] [Model: FD double cab]




SHTS12Z160200227

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

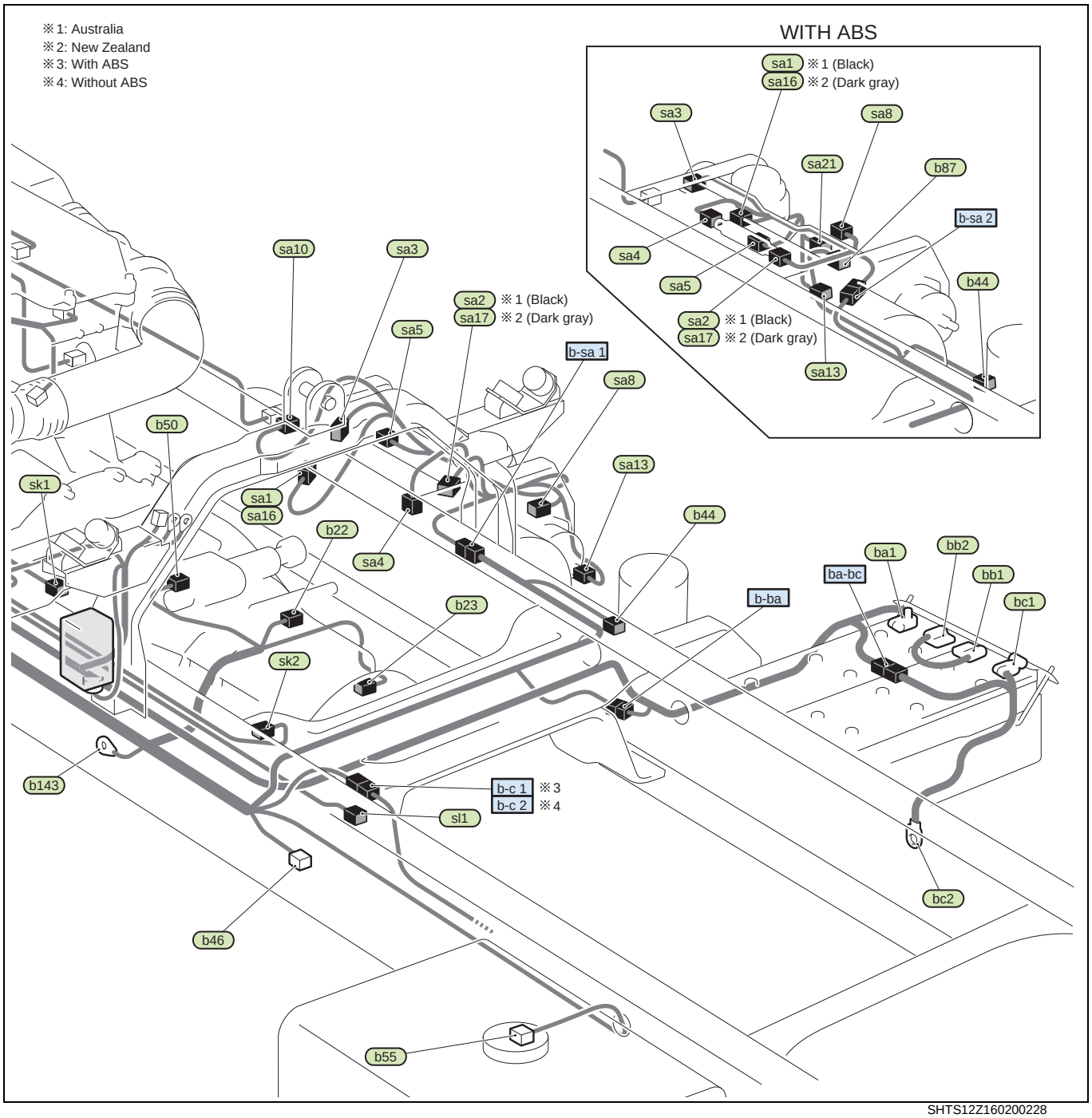
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b19 | Starter relay (Coil) | AD | ea4 | EGR valve 1 | GD |
| b20 | Starter relay (Terminal B) | AD | ea5 | EGR valve 2 | GD |
| b21 | Starter relay (Terminal C) | AD | ea6 | Coolant level switch | BA, EN |
| b24 | Exhaust brake magnetic valve | GF | ea7 | Earth injector | BA, EN, GD, MA |
| b32 | Cab tilt solenoid valve | JB | ea8 | Boost pressure sensor | GD |
| b33 | Cab tilt motor | JB | ec1 | Fuel filter level sensor | BA |
| b34 | Cab tilt switch | JB | ec3 | Fuel temperature sensor | GD |
| b35 | Cab tilt relay 1 | JB | ec4 | SCV (Suction Control Valve) | GD |
| b36 | Cab tilt relay 2 | JB | ia1 | Fuel injector No.1 | GD |
| b88 | Air flow sensor | GD | ia2 | Fuel injector No.2 | GD |
| ba2 | Starter (Terminal B) | AD | ia3 | Fuel injector No.3 | GD |
| ea1 | Engine speed main sensor | GD | ia4 | Fuel injector No.4 | GD |
| ea2 | Engine speed sub sensor | GD | ia5 | Fuel injector No.5 | GD |
| ea3 | Common rail pressure sensor | GD | ia6 | Fuel injector No.6 | GD |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GD | id-ia | Link-up connector to Injector wiring harness | GD |
| ea-id | Engine wiring harness-1 to Link-up connector | GD | | | |

https://truckmanualshub.com/

## EG-11 [ENGINE (3 of 3)] [Model: FD double cab]




SHTS12Z160200228

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

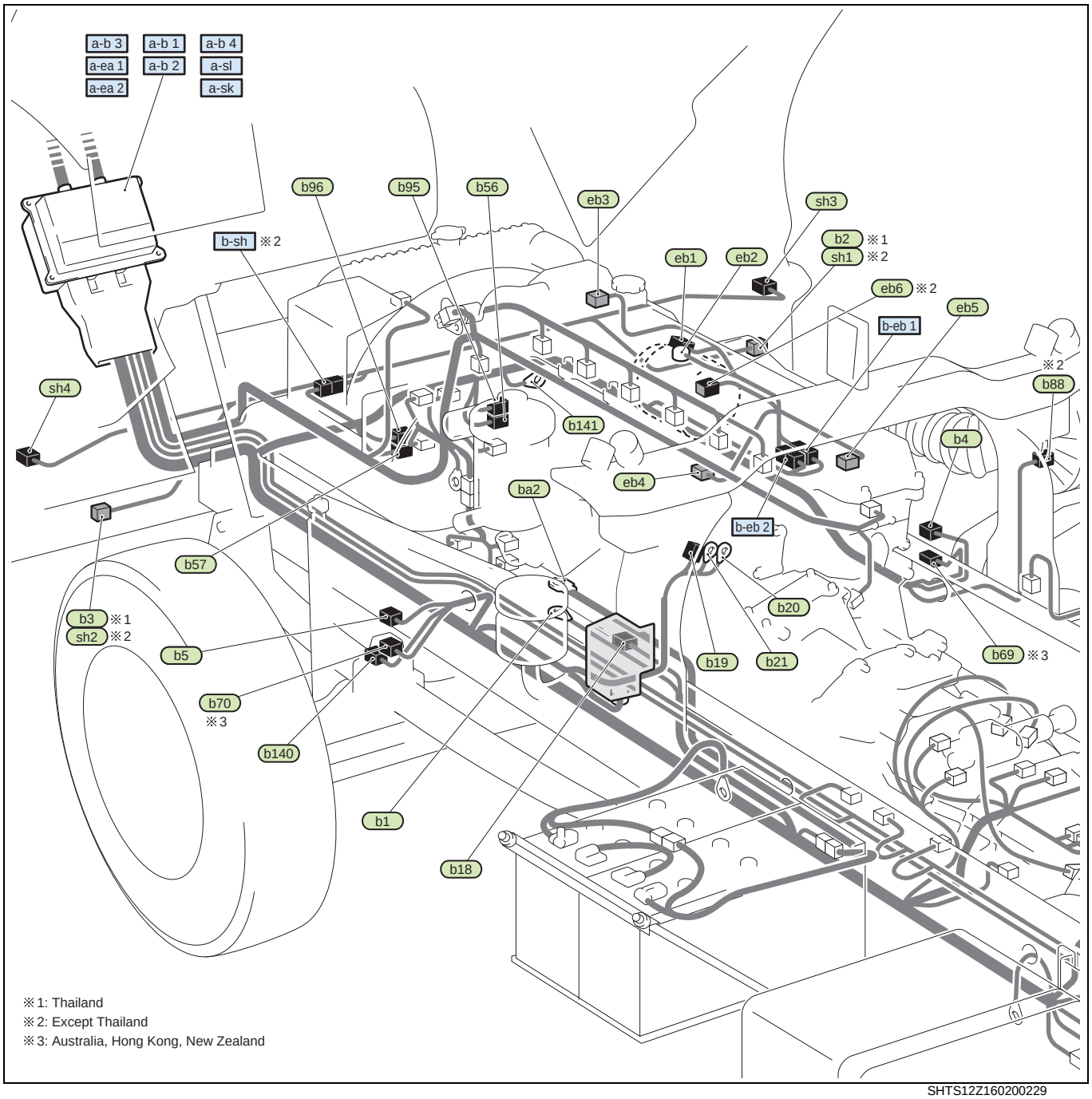
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b22 | Backup light switch | CF | sa2 | Low pressure switch 3 (Rear) | BB |
| b23 | Vehicle speed sensor | BA | sa3 | Air gauge sensor (Front) | BB |
| b44 | Air dryer heater | LF | sa4 | Air gauge sensor (Rear) | BB |
| b46 | Service power (Tail) | AB | sa5 | Brake adjust switch (Front) | BB |
| b50 | Neutral switch | AD | sa8 | Brake fluid level switch | BB |
| b55 | Fuel gauge sender unit | BA | sa10 | Exhaust brake magnetic valve | GF |
| b87 | Hydraulic unit | HA | sa13 | Brake adjust switch (Rear) | BB |
| b143 | Earth rear axle | BB, BC, CF, EE, EM, HA, JB, LF, MA | sa16 | Low pressure switch 2 (Front) | BB |
| ba1 | Battery (+) terminal (Battery 2) | AA | sa17 | Low pressure switch 3 (Rear) | BB |
| bb1 | Battery (+) terminal (Battery 1) | AA | sa21 | Master cylinder sensor (Brake fluid pressure sensor) | HA |
| bb2 | Battery (-) terminal (Battery 2) | AA | sk1 | P.T.O. position switch | KA |
| bc1 | Battery (-) terminal (Battery 1) | AA | sk2 | P.T.O. magnetic valve | KA |
| bc2 | Battery ground | AA, BA, MA | sl1 | P.T.O. accelerator sensor | GL |
| sa1 | Low pressure switch 2 (Front) | BB | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CF, EM, HA, MA | b-sa 1 | Front wiring harness to Air tank sub wiring harness 1 | BB |
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | BC, CA, CB, EM, MA | b-sa 2 | Front wiring harness to Air tank sub wiring harness 2 | BB, HA |
| b-ba | Front wiring harness to Battery cable-1 | BA, MA | ba-bc | Battery cable-1 to Battery cable-3 | MA |

https://truckmanualshub.com/

## EG-12 [ENGINE (1 of 3)]
## (Models: FG, GH for Australia, Hong Kong, New Zealand, Singapore, Thailand)




SHTS12Z160200229

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

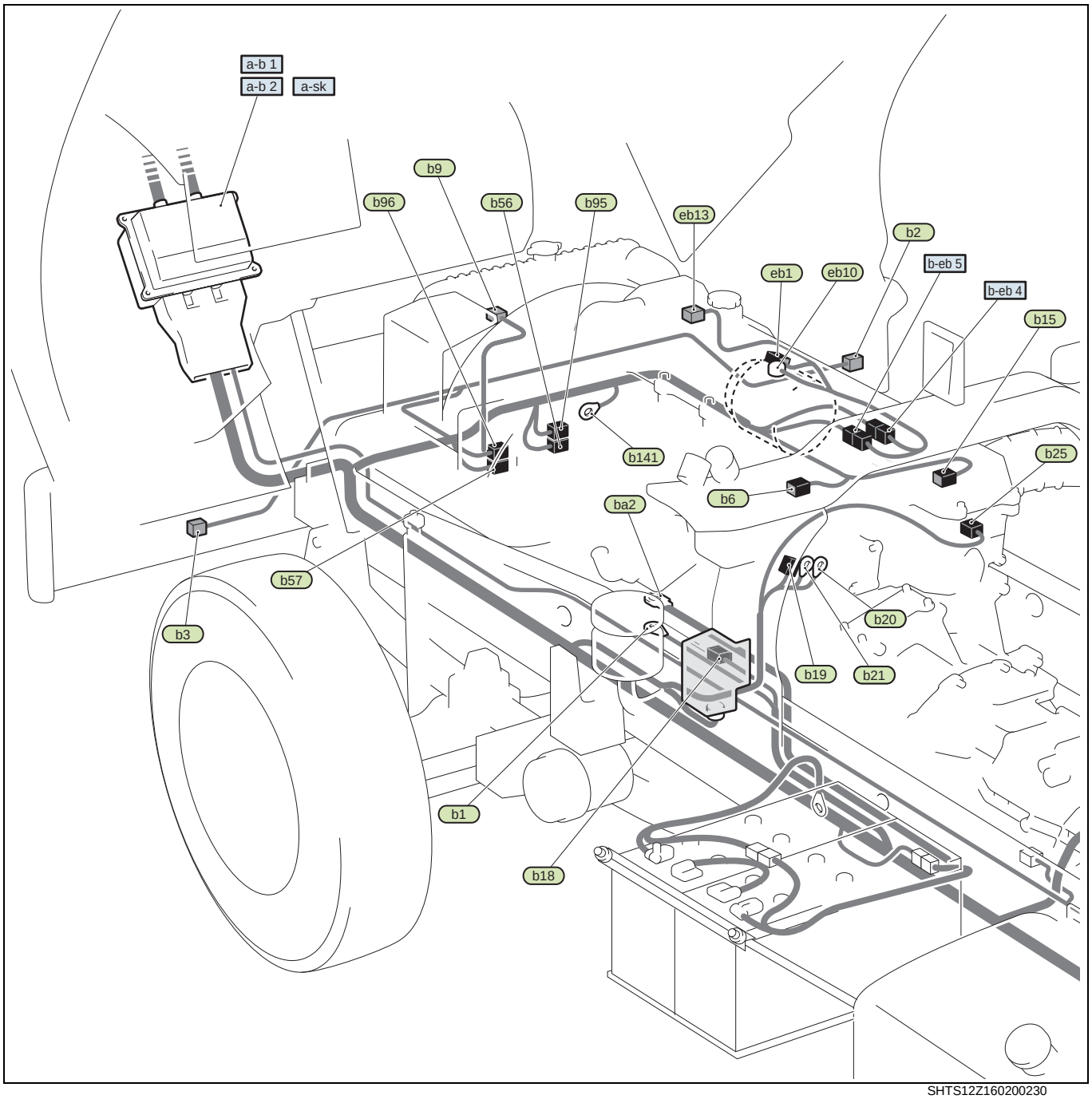
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD, AE | b96 | Horn (Low) (Terminal L) | EE |
| b2 | Headlight RH | CA | b140 | Vehicle height sensor (Front) | CJ |
| b3 | Headlight LH | CA | b141 | Earth No.1 crossmember | BB, BC, CF, EE, EM, HB, HC, LF, MA |
| b4 | Wheel sensor (Front RH) | HB | ba2 | Starter (Terminal B) | AD, AE |
| b5 | Wheel sensor (Front LH) | HB | eb1 | Alternator (Terminals L, R) | AH |
| b18 | Starter (Terminal C) | AD, AE | eb2 | Alternator (Terminal B) | AH |
| b19 | Starter relay (Coil) | AD, AE | eb3 | Coolant temperature sensor | GA, GC, GD |
| b20 | Starter relay (Terminal B) | AD, AE | eb4 | Air conditioner compressor | FA |
| b21 | Starter relay (Terminal C) | AD, AE | eb5 | Oil pressure switch | BA |
| b56 | Horn (High) (Terminal B) | EE | eb6 | VNT controller | GC, GD |
| b57 | Horn (Low) (Terminal B) | EE | sh1 | Headlight RH | CA |
| b69 | Modulator (Front RH) | HB | sh2 | Headlight LH | CA |
| b70 | Modulator (Front LH) | HB | sh3 | Headlight beam control actuator RH | CE, CJ |
| b88 | Air flow sensor | GC, GD | sh4 | Headlight beam control actuator LH | CE, CJ |
| b95 | Horn (High) (Terminal L) | EE | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AE, AH, BA, BG, BI, CA, CB, CE, CF, CI, CJ, EM, GA, GC, GD, GF, GH, HB, HC, HE, IA, ID, LA, LF, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KB |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, CB, EE, EM, FA, HC, ID, KA, KB, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | CG, GF, HE, ID, LA, LC | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA, GC, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, CJ, HB | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, GA, GC, GH, GK, HB, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA, CE, CJ |
| a-ea 2 | Cab main wiring harness to Engine wiring harness-1_2 | GC | | | |

https://truckmanualshub.com/

## EG-13 [ENGINE (1 of 3)] (Model: FG for Indonesia)




SHTS12Z160200230

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

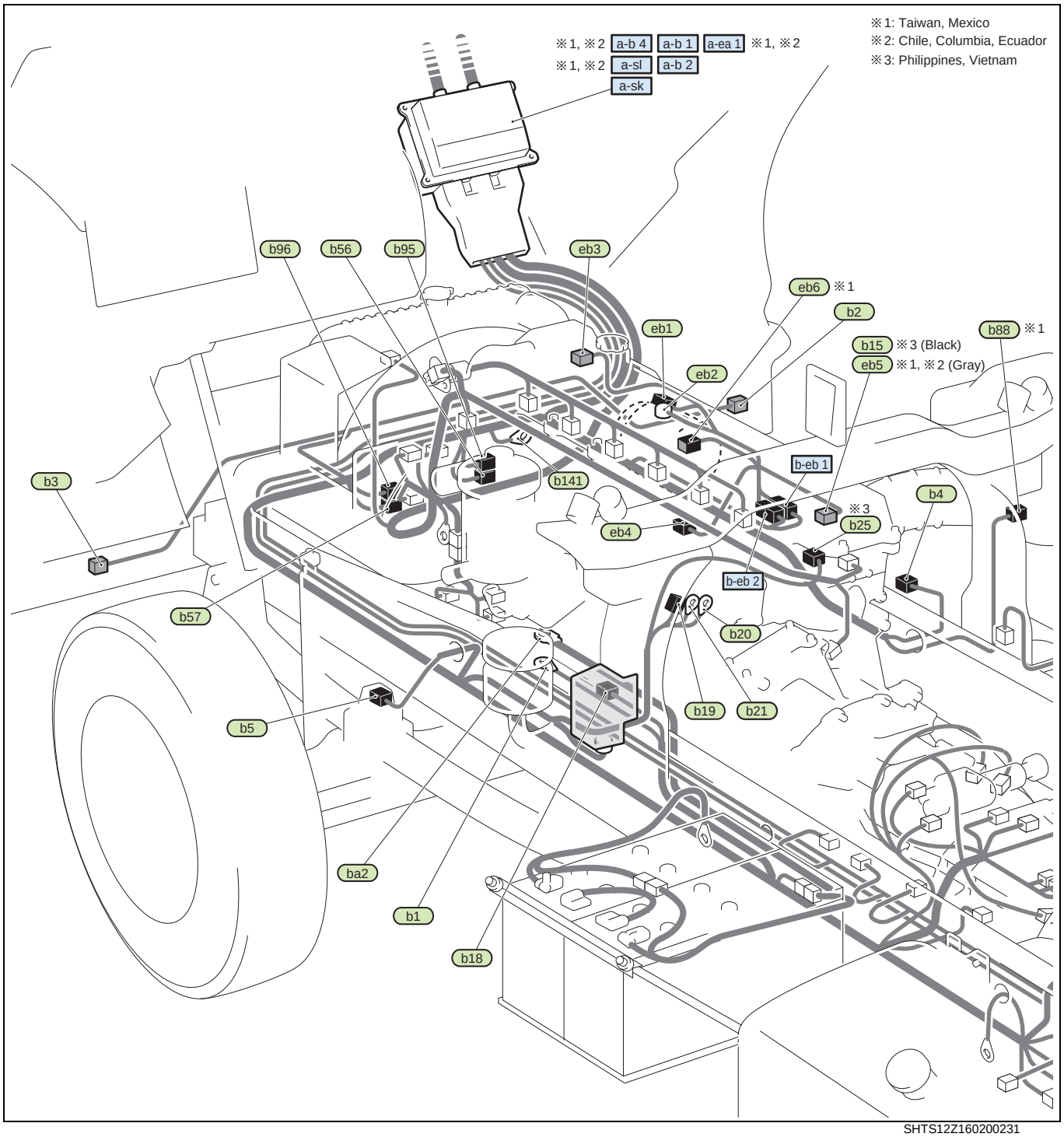
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b25 | Tachometer sensor | BE |
| b2 | Headlight RH | CA | b56 | Horn (High) (Terminal B) | EE |
| b3 | Headlight LH | CA | b57 | Horn (Low) (Terminal B) | EE |
| b6 | Air conditioner compressor | FA | b95 | Horn (High) (Terminal L) | EE |
| b9 | Coolant level switch | BE | b96 | Horn (Low) (Terminal L) | EE |
| b15 | Oil pressure switch | BE | b141 | Earth No.1 crossmember | BE, CF, EE, GG, MA |
| b18 | Starter (Terminal C) | AD | ba2 | Starter (Terminal B) | AD |
| b19 | Starter relay (Coil) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b20 | Starter relay (Terminal B) | AD | eb10 | Alternator (Terminal B) | AH |
| b21 | Starter relay (Terminal C) | AD | eb13 | Coolant temperature gauge sender unit | BE |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BD, BE, BG, CA, CB, CF, CI, GG, MA | b-eb 4 | Front wiring harness to Engine wiring harness-2_4 | AH, BE |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BD, BE, EE, FA, KA, MA | b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | AH |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA | | | |

https://truckmanualshub.com/

## EG-14 [ENGINE (1 of 3)]
## (Models: FG, GH for Chile, Colombia, Ecuador, Philippines, Taiwan, Vietnam, Mexico)




SHTS12Z160200231

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

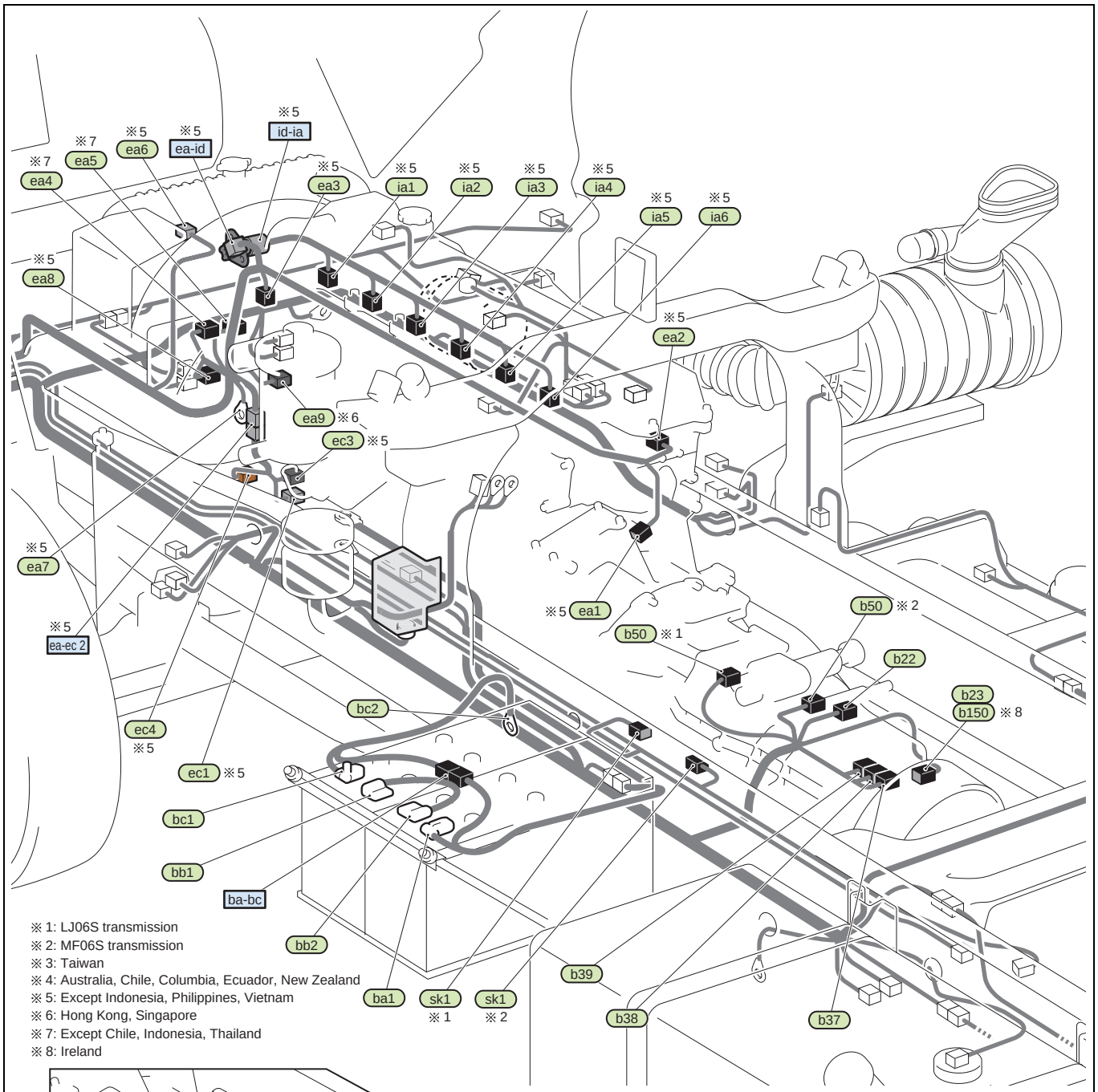
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b57 | Horn (Low) (Terminal B) | EE |
| b2 | Headlight RH | CA | b88 | Air flow sensor | GD |
| b3 | Headlight LH | CA | b95 | Horn (High) (Terminal L) | EE |
| b4 | Wheel sensor (Front RH) | HB | b96 | Horn (Low) (Terminal L) | EE |
| b5 | Wheel sensor (Front LH) | HB | b141 | Earth No.1 crossmember | BB, BC, CF, EE, HB, HC, MA |
| b15 | Oil pressure switch | BE | ba2 | Starter (Terminal B) | AD |
| b18 | Starter (Terminal C) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b19 | Starter relay (Coil) | AD | eb2 | Alternator (Terminal B) | AH |
| b20 | Starter relay (Terminal B) | AD | eb3 | Coolant temperature sensor | GA, GD |
| b21 | Starter relay (Terminal C) | AD | eb4 | Air conditioner compressor | FA |
| b25 | Tachometer sensor | BE | eb5 | Oil pressure switch | BA |
| b56 | Horn (High) (Terminal B) | EE | eb6 | VNT controller | GD |

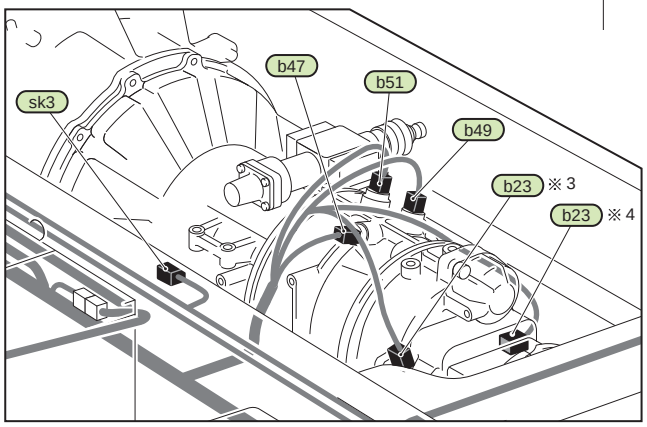
**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, BG, CA, CB, CF, CI, GA, GD, GF, HB, HC, IA, LA, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KB, KC |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, EE, FA, HC, KA, KB, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HB | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA, GD |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, GA, GD, HB, MA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |

https://truckmanualshub.com/

## EG-15 [ENGINE (2 of 3)] (Models: FG, GH with manual transmission)




EATON TRANSMISSION

SHTS12Z160200232

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

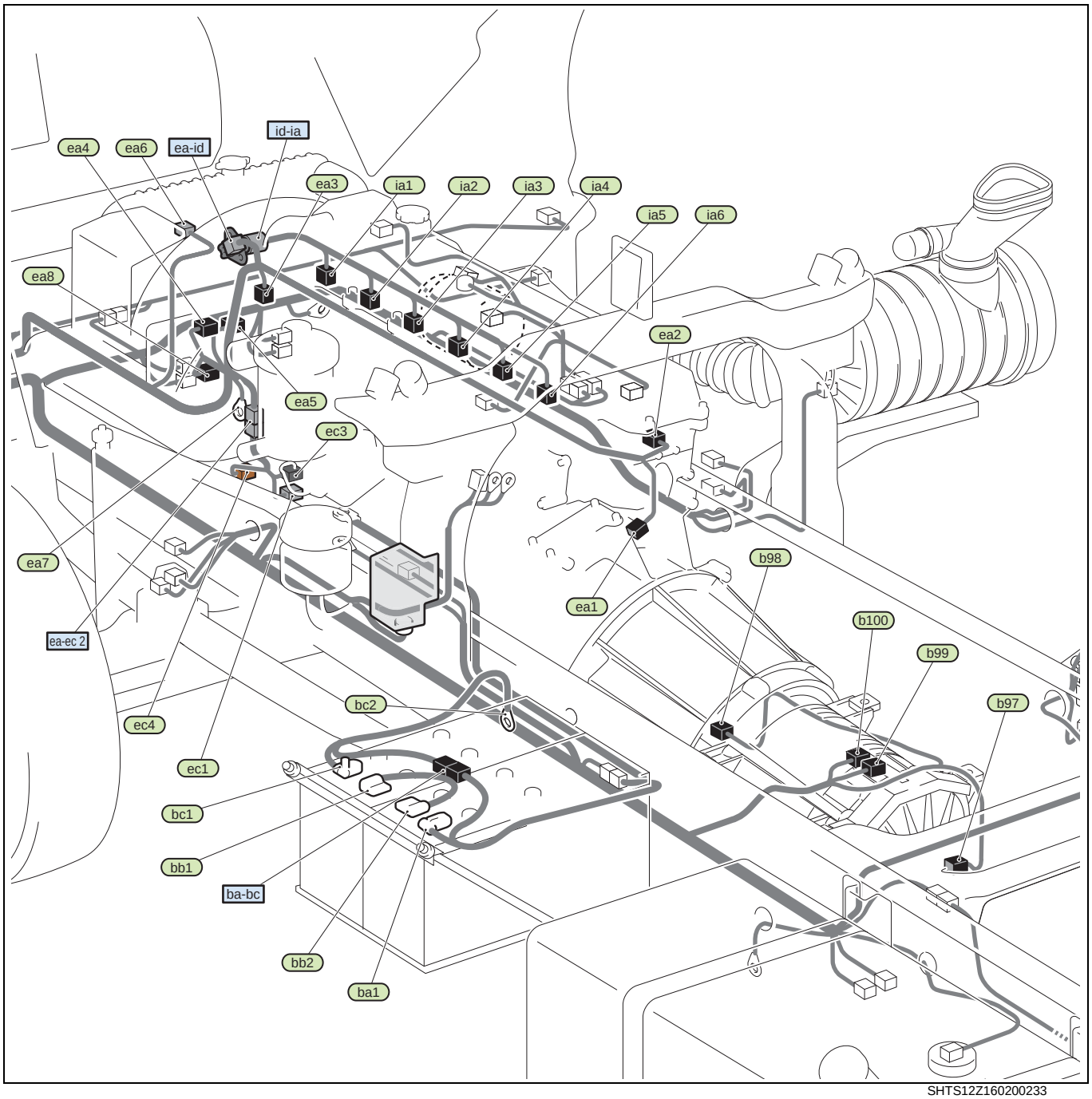
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b22 | Backup light switch | CF | ea4 | EGR valve 1 | GC, GD |
| b23 | Vehicle speed sensor | BA, BE | ea5 | EGR valve 2 | GC, GD |
| b37 | Retarder ECU (Drive unit main 1) | HE | ea6 | Coolant level switch | BA, EN |
| b38 | Retarder ECU (Drive unit main 2) | HE | ea7 | Earth injector | BA, EN, GA, GC, GD MA |
| b39 | Retarder main unit (Thermistor) | HE | ea8 | Boost pressure sensor | GA, GC, GD |
| b47 | Range Lo switch | IA | ea9 | Intake manifold temperature sensor | GC |
| b49 | Neutral switch | AD | ec1 | Fuel filter level sensor | BA |
| b50 | Neutral switch | AD | ec3 | Fuel temperature sensor | GA, GC, GD |
| b51 | Backup light switch | CF | ec4 | SCV (Suction Control Valve) | GA, GC, GD |
| b150 | Vehicle speed sensor | BH | ia1 | Fuel injector No.1 | GA, GC, GD |
| ba1 | Battery (+) terminal (Battery 2) | AA | ia2 | Fuel injector No.2 | GA, GC, GD |
| bb1 | Battery (+) terminal (Battery 1) | AA | ia3 | Fuel injector No.3 | GA, GC, GD |
| bb2 | Battery (-) terminal (Battery 2) | AA | ia4 | Fuel injector No.4 | GA, GC, GD |
| bc1 | Battery (-) terminal (Battery 1) | AA | ia5 | Fuel injector No.5 | GA, GC, GD |
| bc2 | Battery ground | AA, BA, BE, BG, BH, BI, CJ, HB, HC, HE, MA | ia6 | Fuel injector No.6 | GA, GC, GD |
| ea1 | Engine speed main sensor | GA, GC, GD | sk1 | P.T.O. position switch | KA |
| ea2 | Engine speed sub sensor | GA, GC, GD | sk3 | P.T.O. position switch | KB |
| ea3 | Common rail pressure sensor | GA, GC, GD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ba-bc | Battery cable-1 to Battery cable-3 | MA | ea-id | Engine wiring harness-1 to Link-up connector | GA, GC, GD |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GA, GC, GD | id-ia | Link-up connector to Injector wiring harness | GA, GC, GD |

https://truckmanualshub.com/

## EG-16 [ENGINE (2 of 3)] (Models: FG, GH with automatic transmission)




SHTS12Z160200233

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

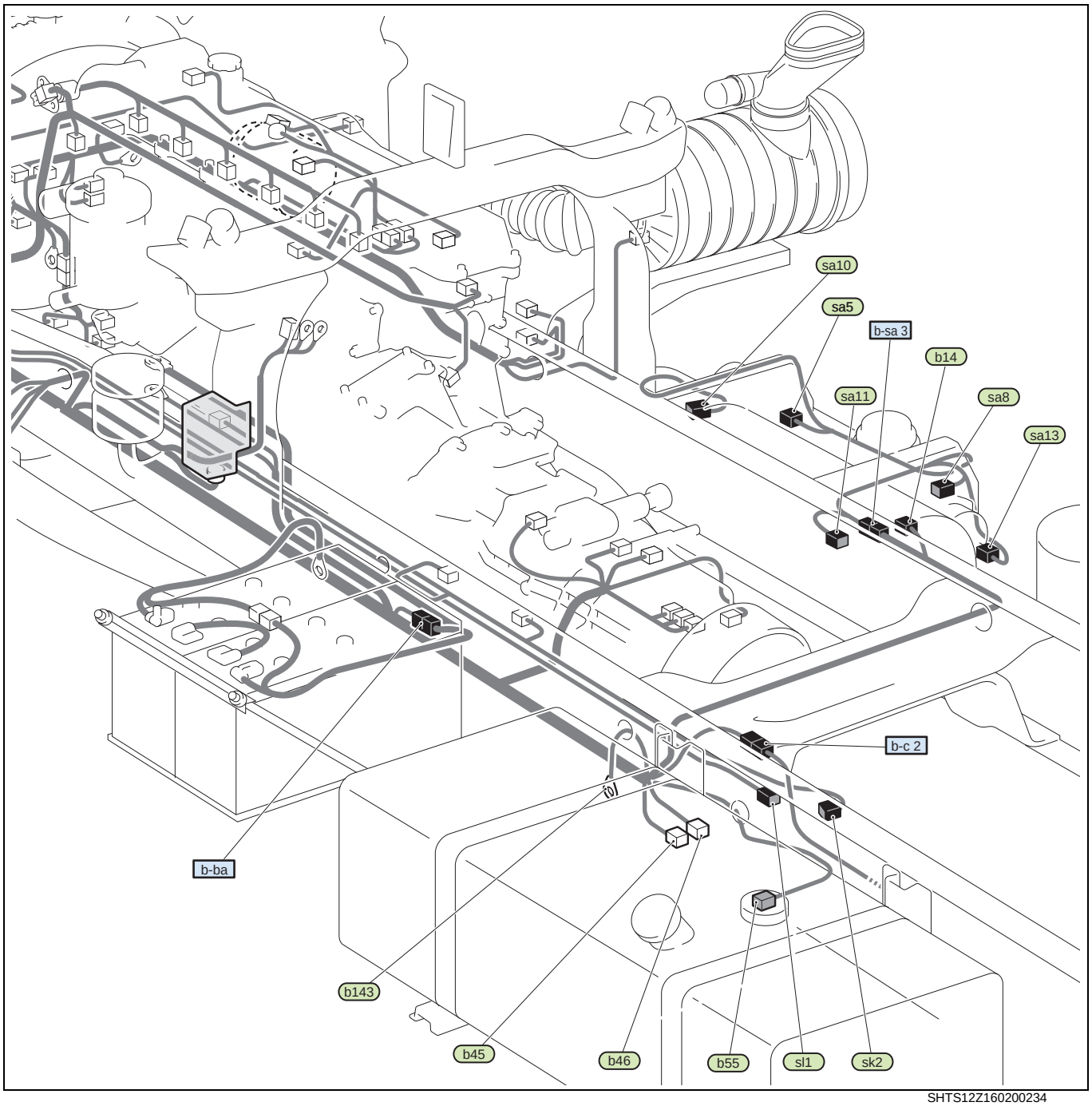
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b97 | Output speed sensor | ID | ea5 | EGR valve 2 | GD |
| b98 | Engine speed sensor | ID | ea6 | Coolant level switch | BA, EN |
| b99 | Automatic transmission main unit 2 | ID | ea7 | Earth injector | BA, EN, GD, MA |
| b100 | Automatic transmission main unit 1 | ID, LC | ea8 | Boost pressure sensor | GD |
| ba1 | Battery (+) terminal (Battery 2) | AA | ec1 | Fuel filter level sensor | BA |
| bb1 | Battery (+) terminal (Battery 1) | AA | ec3 | Fuel temperature sensor | GD |
| bb2 | Battery (-) terminal (Battery 2) | AA | ec4 | SCV (Suction Control Valve) | GD |
| bc1 | Battery (-) terminal (Battery 1) | AA | ia1 | Fuel injector No.1 | GD |
| bc2 | Battery ground | AA, BA, HB, HC, ID, MA | ia2 | Fuel injector No.2 | GD |
| ea1 | Engine speed main sensor | GD | ia3 | Fuel injector No.3 | GD |
| ea2 | Engine speed sub sensor | GD | ia4 | Fuel injector No.4 | GD |
| ea3 | Common rail pressure sensor | GD | ia5 | Fuel injector No.5 | GD |
| ea4 | EGR valve 1 | GD | ia6 | Fuel injector No.6 | GD |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ba-bc | Battery cable-1 to Battery cable-3 | MA | ea-id | Engine wiring harness-1 to Link-up connector | GD |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GD | id-ia | Link-up connector to Injector wiring harness | GD |

https://truckmanualshub.com/

## EG-17 [ENGINE (3 of 3)] (Models: FG for Indonesia, Philippines, Taiwan, Vietnam)




SHTS12Z160200234

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

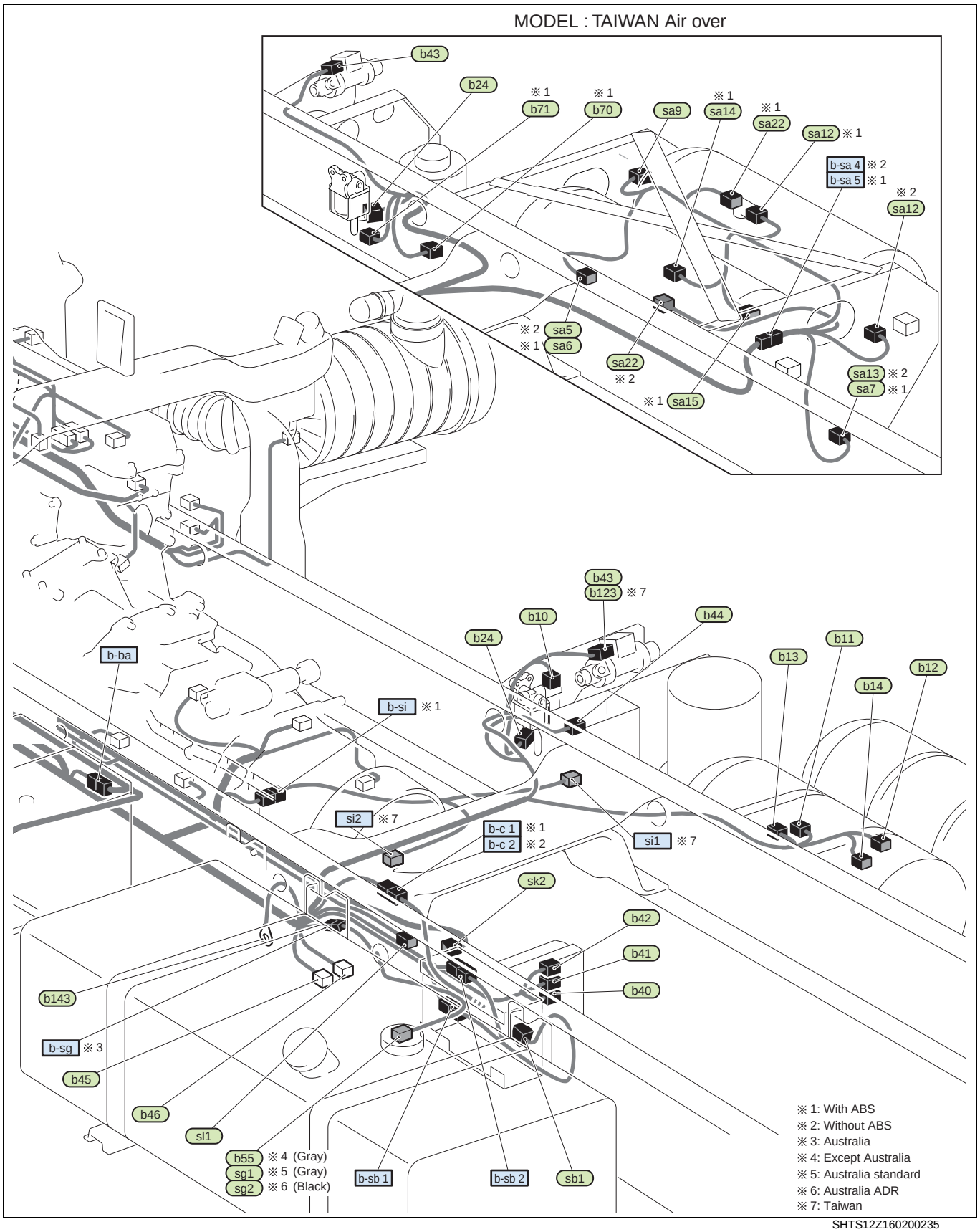
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b14 | Air gauge sensor (Rear) | BB, BE | sa8 | Brake fluid level switch | BB, BE |
| b45 | Dump up switch | KA | sa10 | Exhaust brake magnetic valve | GF, GG |
| b46 | Service power (Tail) | AB | sa11 | Low pressure switch 3 (Wet) | BB, BE |
| b55 | Fuel gauge sender unit | BA, BE | sa13 | Brake adjust switch (Rear) | BB, BE |
| b143 | Earth rear axle | BB, BE, CF, EE, GG, MA | sk2 | P.T.O. magnetic valve | KA |
| sa5 | Brake adjust switch (Front) | BB, BE | sl1 | P.T.O. accelerator sensor | GL |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | CB, MA | b-sa 3 | Front wiring harness to Air tank sub wiring harness 3 | BB, BE, GF, GG |
| b-ba | Front wiring harness to Battery cable-1 | BA, BE, BG, BI, MA | | | |

https://truckmanualshub.com/

## EG-18 [ENGINE (3 of 3)] (Models: FG, GH except Indonesia, Thailand)




SHTS12Z160200235

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

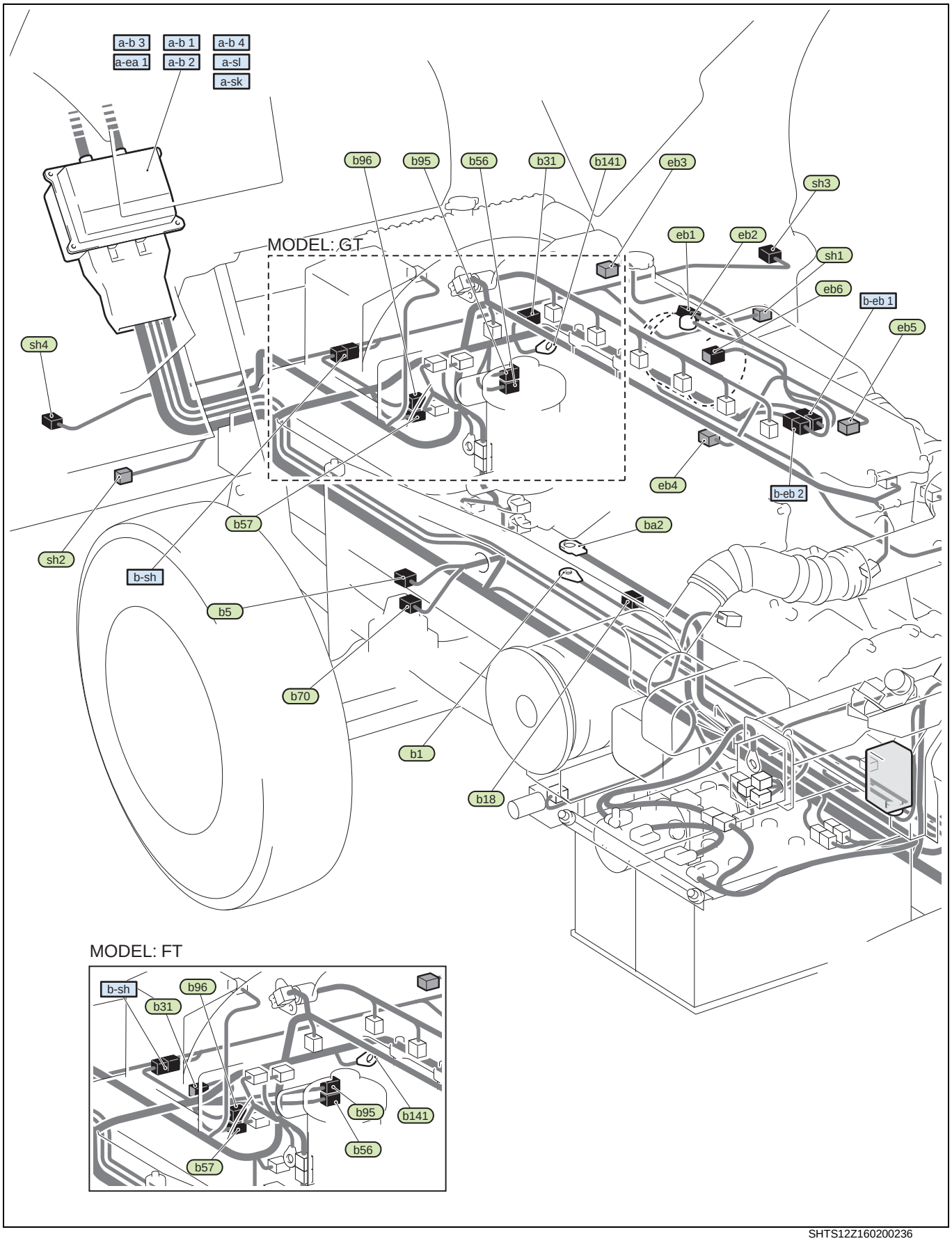
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b10 | Low pressure switch 1 | BB | b143 | Earth rear axle | BB, BC, CF, EE, EM, HB, HC, LF, MA |
| b11 | Low pressure switch 2 | BB | sa5 | Brake adjust switch (Front) | BB |
| b12 | Low pressure switch 3 | BB | sa6 | Brake adjust switch (Rear RH) | BB |
| b13 | Air gauge sensor (Front) | BB | sa7 | Brake adjust switch (Rear LH) | BB |
| b14 | Air gauge sensor (Rear) | BB | sa9 | Brake fluid level switch | BB |
| b24 | Exhaust brake magnetic valve | GF, GH | sa12 | Air gauge sensor (Wet) | BB |
| b40 | Retarder main unit (Main 1) | HE | sa13 | Brake adjust switch (Rear) | BB |
| b41 | Retarder main unit (Main 2) | HE | sa14 | Modulator (Rear LH) | HB |
| b42 | Retarder ECU (Control unit) | HE | sa15 | Modulator (Rear RH) | HB |
| b43 | ES start control valve | HC | sa22 | Low pressure switch (Wet) | BB |
| b44 | Air dryer heater | LF | sb1 | Automatic transmission ECU | ID |
| b45 | Dump up switch | KA, KB | sg1 | Fuel gauge sender unit (Australia standard) | BA |
| b46 | Service power (Tail) | AB | sg2 | Fuel gauge sender unit (Australia ADR) | BA |
| b55 | Fuel gauge sender unit | BA | si1 | Side turn signal light (Mid RH) | CB |
| b70 | Modulator (Front) | HB | si2 | Side turn signal light (Mid LH) | CB |
| b71 | Brake adjust switch (Front) | BB | sk2 | P.T.O. magnetic valve | KA, KB, KC |
| b123 | ES start control valve (Full air) | HC | sl1 | P.T.O. accelerator sensor | GL |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-ba | Front wiring harness to Battery cable-1 | BA, BG, CJ, HB, HC, HE, ID, MA | b-sb 1 | Front wiring harness to Automatic transmission sub wiring harness 1 | ID |
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CC, CF, CJ, EM, HB, MA | b-sb 2 | Front wiring harness to Automatic transmission sub wiring harness 2 | ID, LC |
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | BC, CA, CB, CC, EM, MA | b-sg | Front wiring harness to Fuel tank sub wiring harness | BA |
| b-sa 4 | Front wiring harness to Air tank sub wiring harness 4 | BB | b-si | Front wiring harness to Side turn signal light sub wiring harness | CB |
| b-sa 5 | Front wiring harness to Air tank sub wiring harness 5 | BB, HB | | | |

https://truckmanualshub.com/

## EG-19 [ENGINE (1 of 3)] (Models: FG, FT, GT double cab)




SHTS12Z160200236

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

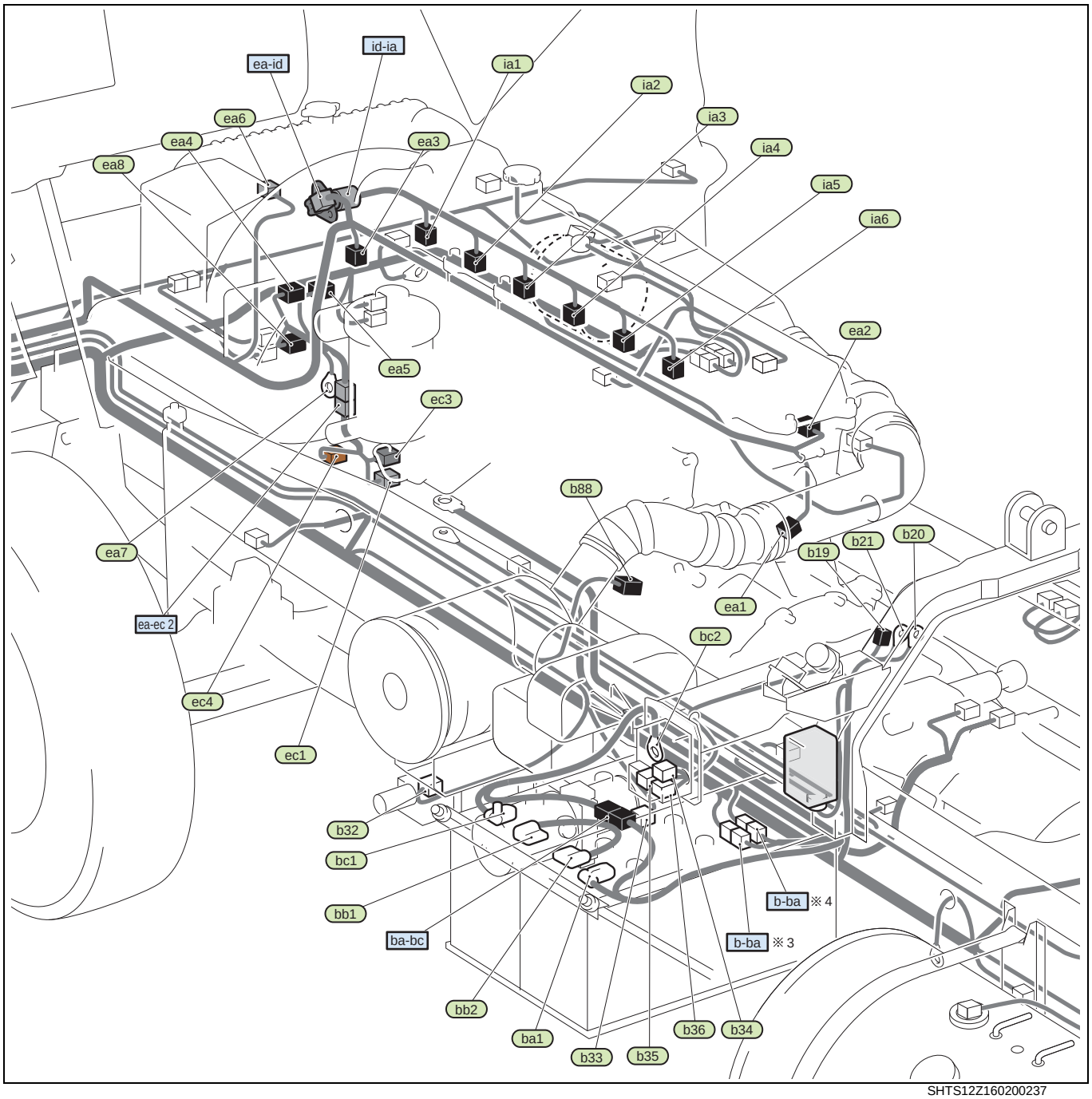
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b5 | Wheel sensor (Front LH) | HA, HB | eb2 | Alternator (Terminal B) | AH |
| b18 | Starter (Terminal C) | AD | eb3 | Coolant temperature sensor | GD |
| b31 | Cab tilt buzzer | JB | eb4 | Air conditioner compressor | FA |
| b56 | Horn (High) (Terminal B) | EE | eb5 | Oil pressure switch | BA |
| b57 | Horn (Low) (Terminal B) | EE | eb6 | VNT controller | GD |
| b70 | Modulator (Front LH) | HB | sh1 | Headlight RH | CA |
| b95 | Horn (High) (Terminal L) | EE | sh2 | Headlight LH | CA |
| b96 | Horn (Low) (Terminal L) | EE | sh3 | Headlight beam control actuator RH | CE |
| b141 | Earth No.1 crossmember | BB, BC, CD, CF, CH, EE, EM, HA, HB, HC, JB, LD, LF, MA | sh4 | Headlight beam control actuator LH | CE |
| ba2 | Starter (Terminal B) | AD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, CA, CB, CD, CE, CF, CH, CI, EM, GD, GF, HB, HC, LA, LD, LF, MA | a-sk | Cab man wiring harness to P.T.O. sub wiring harness | KA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, EE, EM, FA, HA, HC, KA, LD, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | JB | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA, HB | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, GD, HB, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA, CE |

https://truckmanualshub.com/

## EG-20 [ENGINE (2 of 3)] (Models: FG, FT, GT double cab)




SHTS12Z160200237

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

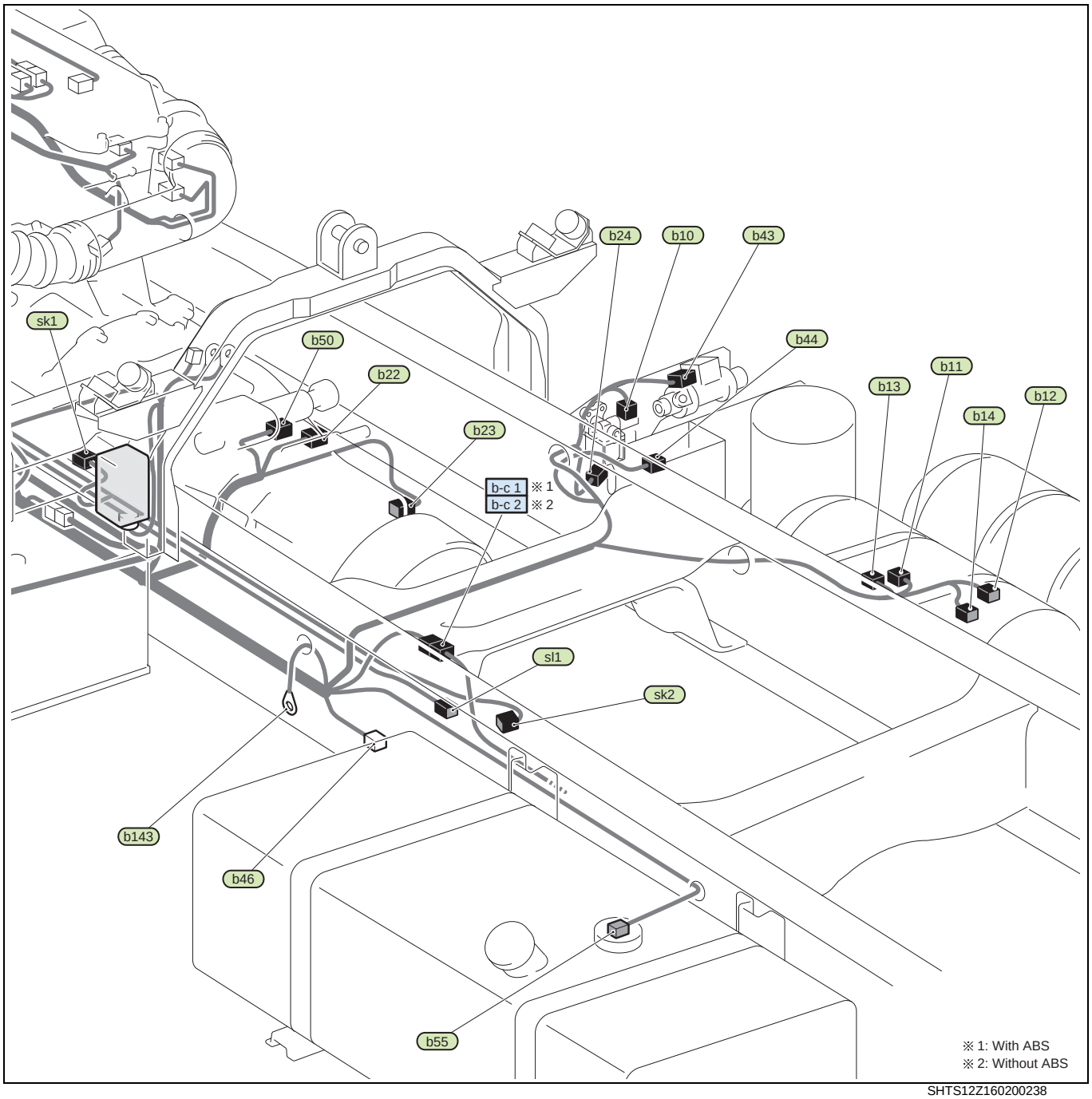
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b19 | Starter relay (Coil) | AD | ea3 | Common rail pressure sensor | GD |
| b20 | Starter relay (Terminal B) | AD | ea4 | EGR valve 1 | GD |
| b21 | Starter relay (Terminal C) | AD | ea5 | EGR valve 2 | GD |
| b32 | Cab tilt solenoid valve | JB | ea6 | Coolant level switch | BA, EN |
| b33 | Cab tilt motor | JB | ea7 | Earth injector | BA, EN, GD, MA |
| b34 | Cab tilt switch | JB | ea8 | Boost pressure sensor | GD |
| b35 | Cab tilt relay 1 | JB | ec1 | Fuel filter level sensor | BA |
| b36 | Cab tilt relay 2 | JB | ec3 | Fuel temperature sensor | GD |
| b88 | Air flow sensor | GD | ec4 | SCV (Suction Control Valve) | GD |
| ba1 | Battery (+) terminal (Battery 2) | AA | ia1 | Fuel injector No.1 | GD |
| bb1 | Battery (+) terminal (Battery 1) | AA | ia2 | Fuel injector No.2 | GD |
| bb2 | Battery (-) terminal (Battery 2) | AA | ia3 | Fuel injector No.3 | GD |
| bc1 | Battery (-) terminal (Battery 1) | AA | ia4 | Fuel injector No.4 | GD |
| bc2 | Battery ground | AA, BA, HB, HC, LD, MA | ia5 | Fuel injector No.5 | GD |
| ea1 | Engine speed main sensor | GD | ia6 | Fuel injector No.6 | GD |
| ea2 | Engine speed sub sensor | GD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-ba | Front wiring harness to Battery cable-1 | BA, HB, HC, LD, MA | ea-id | Engine wiring harness-1 to Link-up connector | GD |
| ba-bc | Battery cable-1 to Battery cable-3 | MA | id-ia | Link-up connector to Injector wiring harness | GD |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GD | | | |

https://truckmanualshub.com/

## EG-21 [ENGINE (3 of 3)] (Model: FG double cab)




SHTS12Z160200238

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

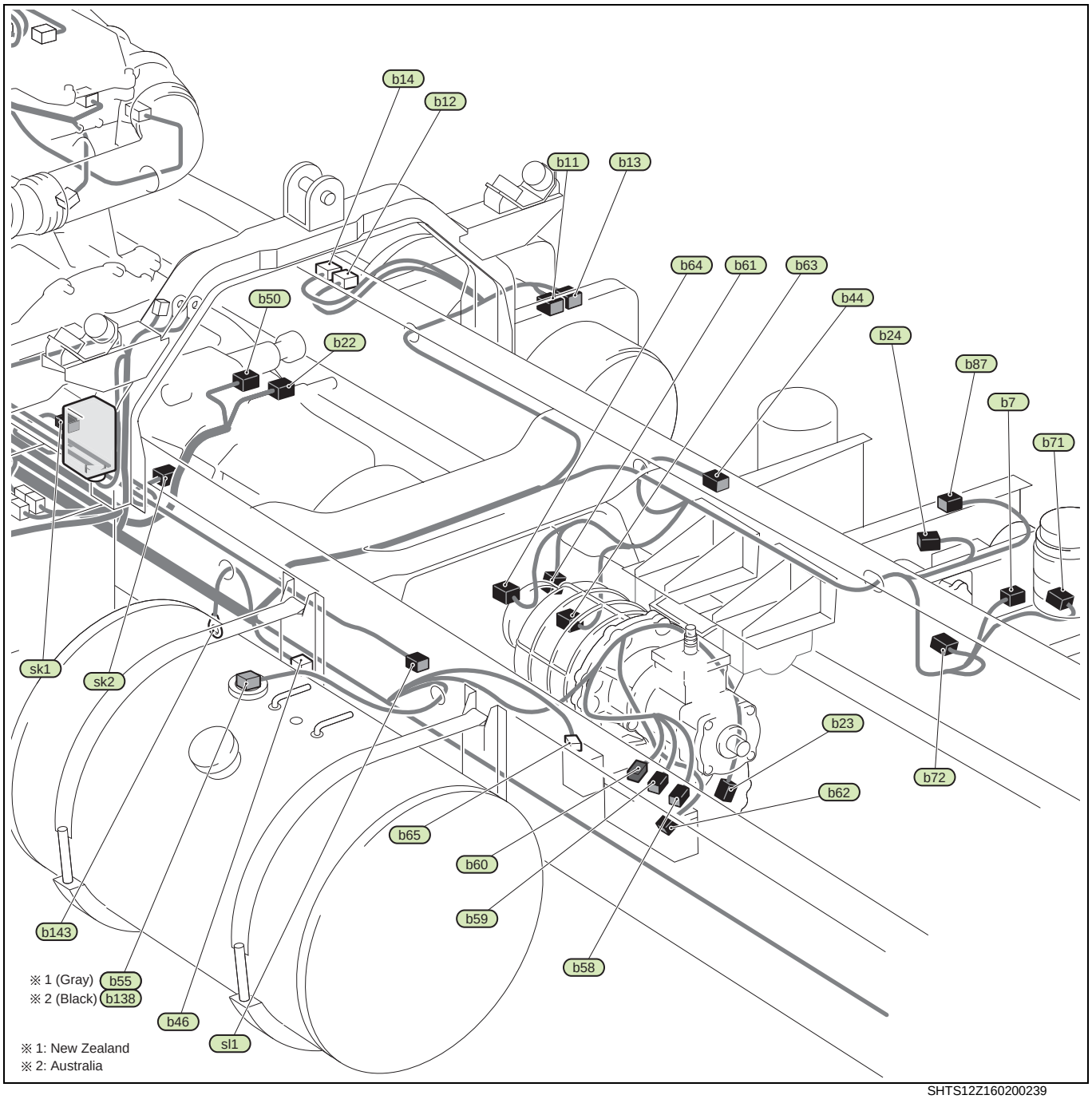
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b10 | Low pressure switch 1 | BB | b44 | Air dryer heater | LF |
| b11 | Low pressure switch 2 | BB | b46 | Service power (Tail) | AB |
| b12 | Low pressure switch 3 | BB | b50 | Neutral switch | AD |
| b13 | Air gauge sensor (Front) | BB | b55 | Fuel gauge sender unit | BA |
| b14 | Air gauge sensor (Rear) | BB | b143 | Earth rear axle | BB, BC, CF, EE, EM, HB, HC, JB, LF, MA |
| b22 | Backup light switch | CF | sk1 | P.T.O. position switch | KA |
| b23 | Vehicle speed sensor | BA | sk2 | P.T.O. magnetic valve | KA |
| b24 | Exhaust brake magnetic valve | GF | sl1 | P.T.O. accelerator sensor | GL |
| b43 | ES start control valve | HC | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CF, EM, HB, MA | b-c 2 | Front wiring harness to Intermediate wiring harness 2 | BC, CA, CB, EM, MA |

https://truckmanualshub.com/

## EG-22 [ENGINE (3 of 3)] (Models: FT, GT double cab)




SHTS12Z160200239

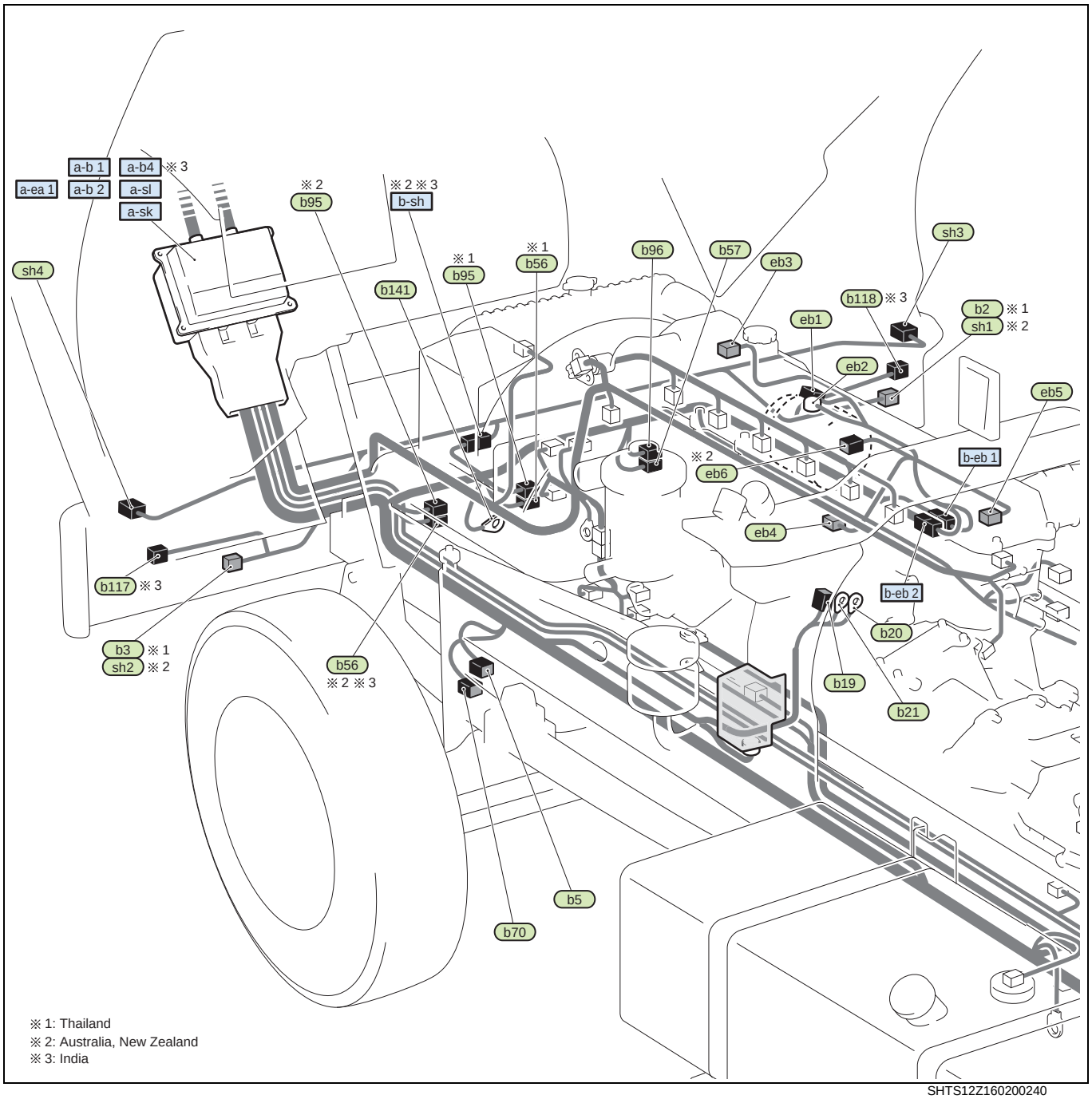
https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b7 | Brake fluid level switch | BB | b60 | Transfer control magnetic valve (High/Low change) | LD |
| b11 | Low pressure switch 2 | BB | b61 | High detection switch | LD |
| b12 | Low pressure switch 3 | BB | b62 | Low detection switch | LD |
| b13 | Air gauge sensor (Front) | BB | b63 | 4WD detection switch | LD |
| b14 | Air gauge sensor (Rear) | BB | b64 | Neutral switch | LD |
| b22 | Backup light switch | CF | b65 | Transfer control magnetic valve (Holding low position) | LD |
| b23 | Vehicle speed sensor | BA | b71 | Brake adjust switch (Front) | BB |
| b24 | Exhaust brake magnetic valve | GF | b72 | Brake adjust switch (Rear) | BB |
| b44 | Air dryer heater | LF | b87 | Hydraulic unit | HA |
| b46 | Service power (Tail) | AB | b138 | Fuel gauge sender unit | BA |
| b50 | Neutral switch | AD | b143 | Earth rear axle | BB, CD, CF, CH, EE, EM, HA, JB, LD, LF, MA |
| b55 | Fuel gauge sender unit | BA | sk1 | P.T.O. position switch | KA |
| b58 | Transfer control magnetic valve (Holding) | LD | sk2 | P.T.O. magnetic valve | KA |
| b59 | Transfer control magnetic valve (4WD/2WD change) | LD | sl1 | P.T.O. accelerator sensor | GL |

https://truckmanualshub.com/

## EG-23 [ENGINE (1 of 3)] (Models: FL, FM8J for Australia, New Zealand, Thailand, India)




SHTS12Z160200240

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

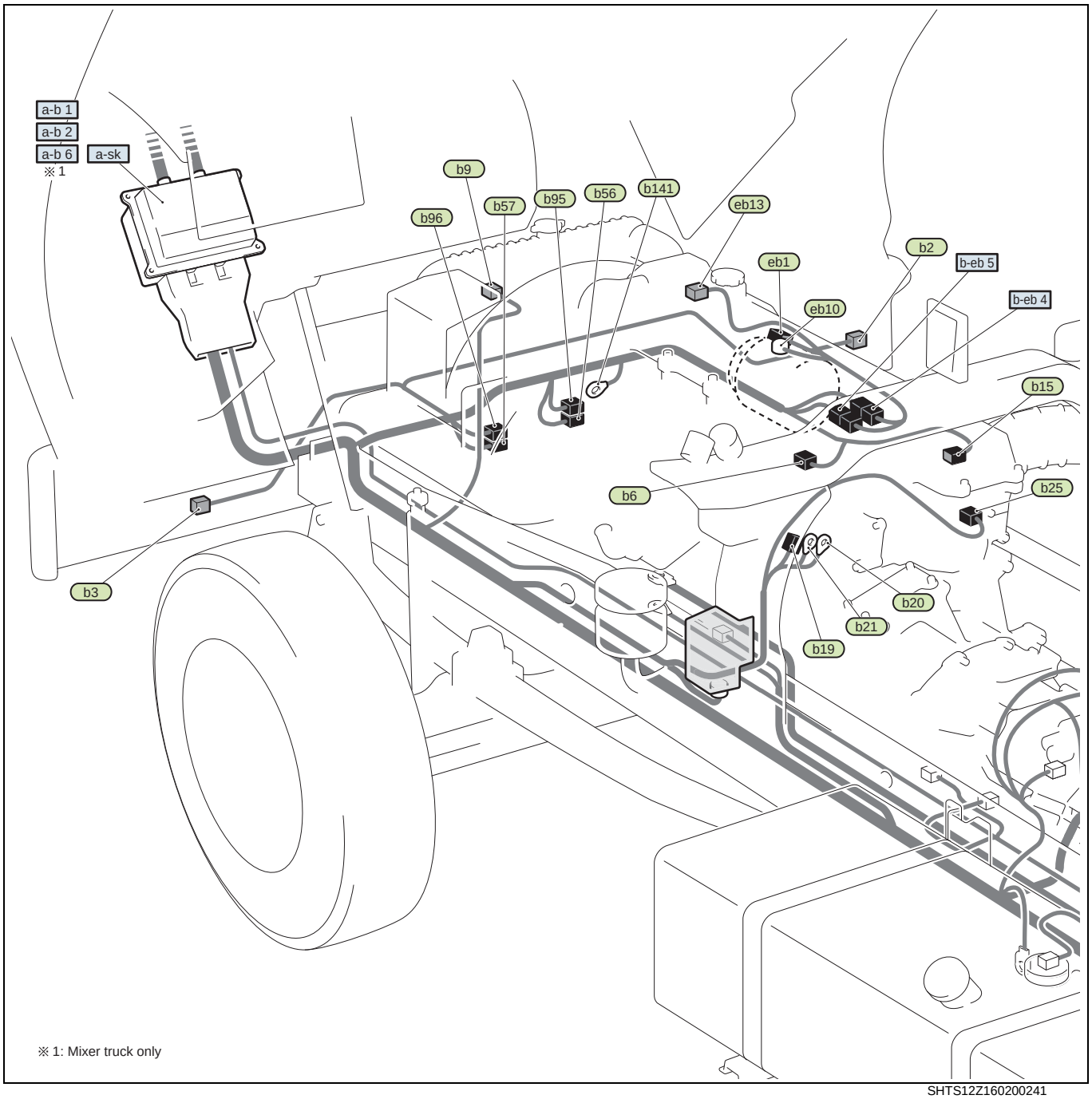
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | b118 | Headlight beam control actuator RH | CE |
| b3 | Headlight LH | CA | b141 | Earth No.1 crossmember | BB, BC, CD, CF, CH, CK, EE, EM, HB, HF, LE, LF, MA |
| b5 | Wheel sensor (Front LH) | HB | eb1 | Alternator (Terminals L, R) | AH |
| b19 | Starter relay (Coil) | AD, AE | eb2 | Alternator (Terminal B) | AH |
| b20 | Starter relay (Terminal B) | AD, AE | eb3 | Coolant temperature sensor | GA, GD |
| b21 | Starter relay (Terminal C) | AD, AE | eb4 | Air conditioner compressor | FA |
| b56 | Horn (High) (Terminal B) | EE | eb5 | Oil pressure switch | BA |
| b57 | Horn (Low) (Terminal B) | EE | eb6 | VNT controller | GD |
| b70 | Modulator (Front LH) | HB | sh1 | Headlight RH | CA |
| b95 | Horn (High) (Terminal L) | EE | sh2 | Headlight LH | CA |
| b96 | Horn (Low) (Terminal L) | EE | sh3 | Headlight beam control actuator RH | CE |
| b117 | Headlight beam control actuator LH | CE | sh4 | Headlight beam control actuator LH | CE |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AE, AH, BA, BG, BI, CA, CB, CD, CE, CF, CH, CI, EM, GA, GD, GF, GH, HB, IA, IB, ID, LA, LE, LF, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, CB, CD, CK, EE, EM, FA, HD, HF, ID, KA, KB, LE, MA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA, GD |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, GA, GD, GH, HB, MA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KB | b-sh | Front wiring harness to Headlight sub wiring harness | CA, CE |

https://truckmanualshub.com/

## EG-24 [ENGINE (1 of 3)] (Models: FL, FM8J for Indonesia)




SHTS12Z160200241

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

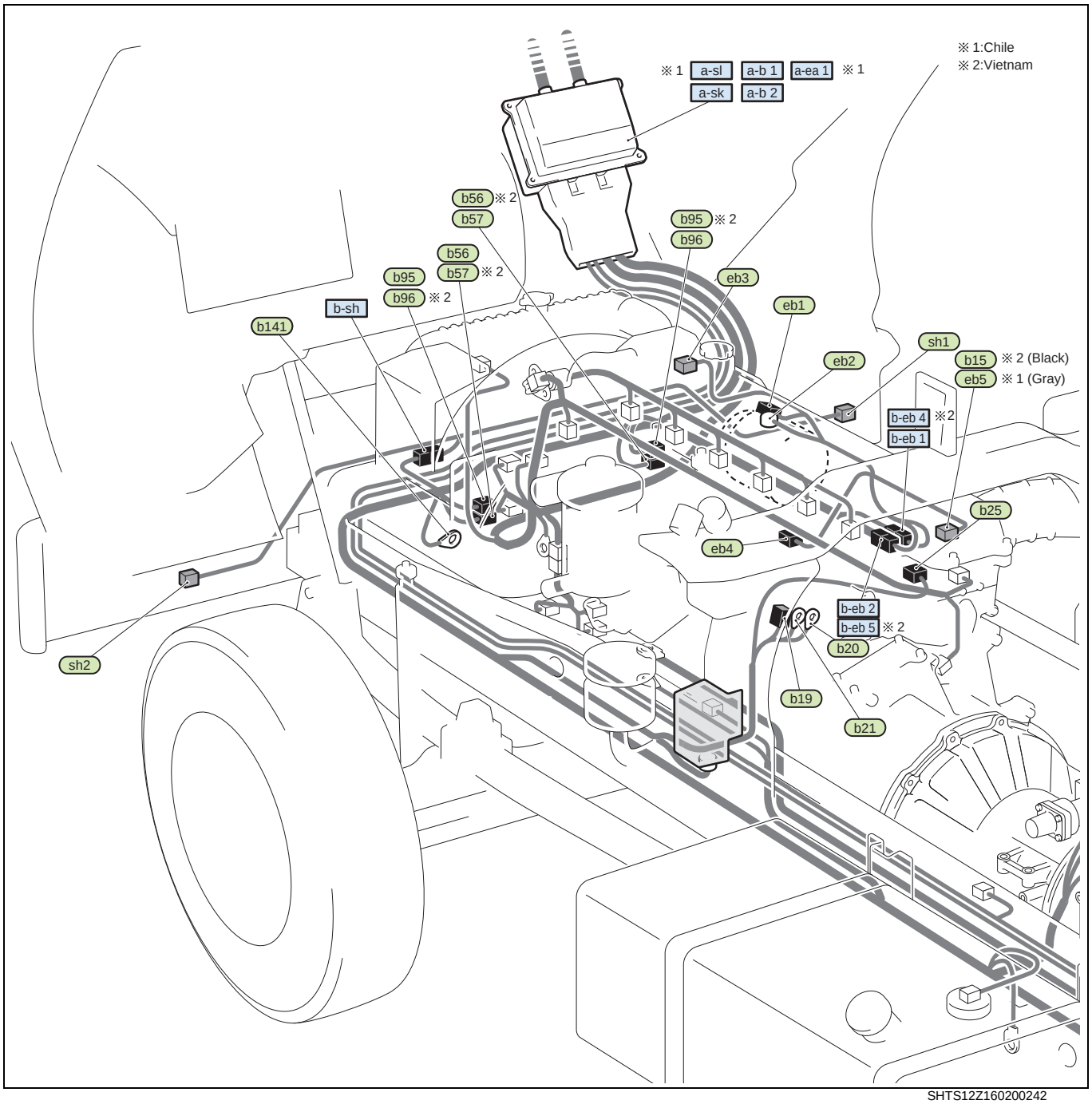
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | b56 | Horn (High) (Terminal B) | EE |
| b3 | Headlight LH | CA | b57 | Horn (Low) (Terminal B) | EE |
| b6 | Air conditioner compressor | FA | b95 | Horn (High) (Terminal L) | EE |
| b9 | Coolant level switch | BE | b96 | Horn (Low) (Terminal L) | EE |
| b15 | Oil pressure switch | BE | b141 | Earth No.1 crossmember | BE, CD, CF, CH, EE, GG, HF, MA |
| b19 | Starter relay (Coil) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b20 | Starter relay (Terminal B) | AD | eb10 | Alternator (Terminal B) | AH |
| b21 | Starter relay (Terminal C) | AD | eb13 | Coolant temperature gauge sender unit | BE |
| b25 | Tachometer sensor | BE | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BD, BE, BG, CA, CB, CD, CF, CH, CI, GG, IA, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA, KB |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BD, BE, BF, CD, EE, FA, HF, KA, KB, MA | b-eb 4 | Front wiring harness to Engine wiring harness-2_4 | AH, BE |
| a-b 6 | Cab main wiring harness to Front wiring harness 6 | HD | b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | AH |

https://truckmanualshub.com/

## EG-25 [ENGINE (1 of 3)] (Models: FL, FM for Chile, Vietnam)




SHTS12Z160200242

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

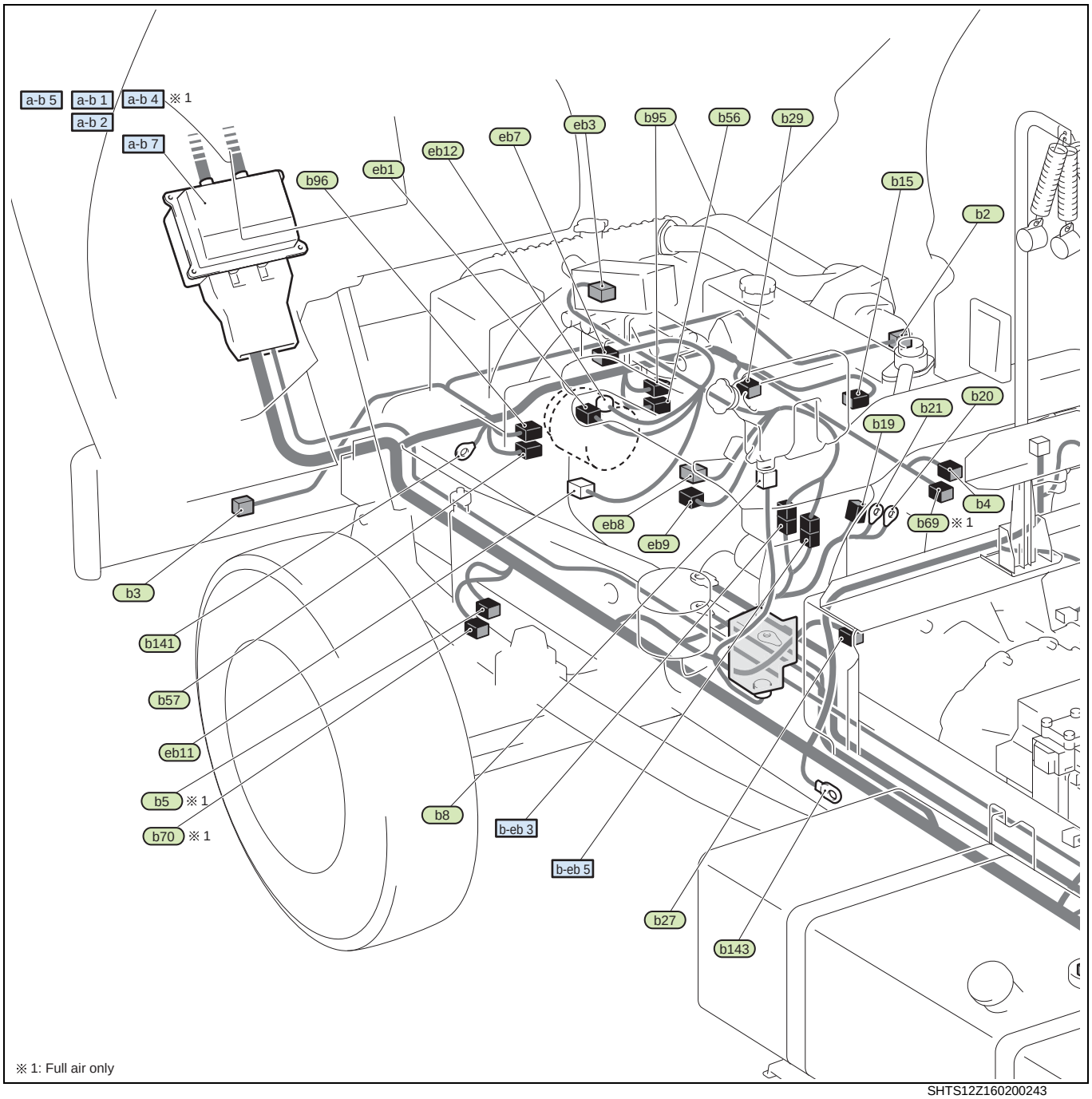
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b15 | Oil pressure switch | BE | b141 | Earth No.1 crossmember | BB, BC, CF, EE, HF, MA |
| b19 | Starter relay (Coil) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b20 | Starter relay (Terminal B) | AD | eb2 | Alternator (Terminal B) | AH |
| b21 | Starter relay (Terminal C) | AD | eb3 | Coolant temperature sensor | GA |
| b25 | Tachometer sensor | BE | eb4 | Air conditioner compressor | FA |
| b56 | Horn (High) (Terminal B) | EE | eb5 | Oil pressure switch | BA |
| b57 | Horn (Low) (Terminal B) | EE | sh1 | Headlight RH | CA |
| b95 | Horn (High) (Terminal L) | EE | sh2 | Headlight LH | CA |
| b96 | Horn (Low) (Terminal L) | EE | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, CA, CB, CF, CI, GA, GF, IA, LA, MA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, EE, FA, HF, KB, MA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, GA, MA | b-eb 4 | Front wiring harness to Engine wiring harness-2_4 | AH, BE |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KB | b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | AH |
| a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL | b-sh | Front wiring harness to Headlight sub wiring harness | CA |

https://truckmanualshub.com/

## EG-26 [ENGINE (1 of 3)] (Model: FM2P for Indonesia)




SHTS12Z160200243

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

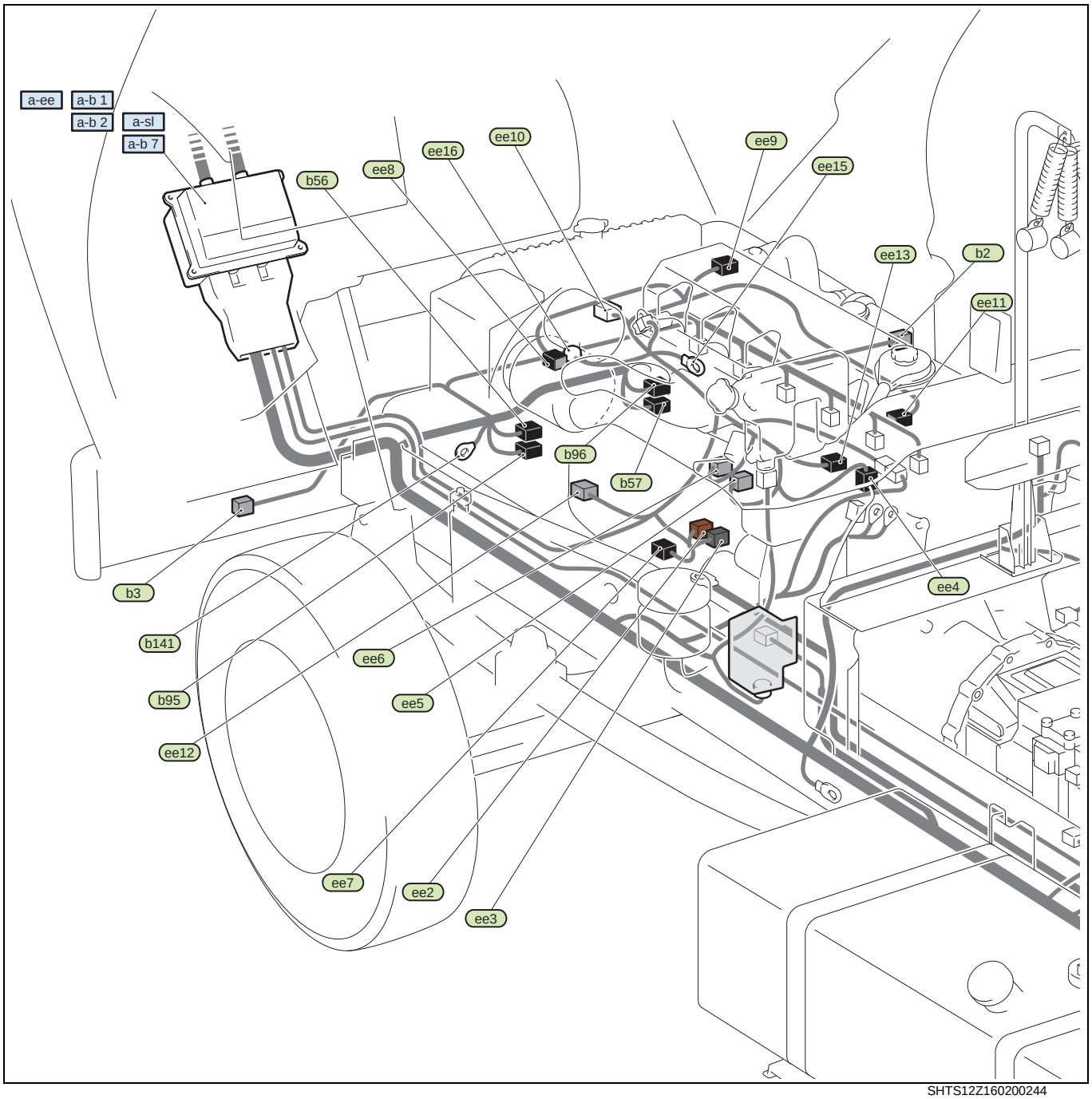
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | b69 | Modulator (Front RH) | HB |
| b3 | Headlight LH | CA | b70 | Modulator (Front LH) | HB |
| b4 | Wheel sensor (Front RH) | HB | b95 | Horn (High) (Terminal L) | EE |
| b5 | Wheel sensor (Front LH) | HB | b96 | Horn (Low) (Terminal L) | EE |
| b8 | Coolant level switch | BE | b141 | Earth No.1 crossmember | BE, CF, CK, EE, GG, HF, IC, LE, MA |
| b15 | Oil pressure switch | BE | b143 | Earth rear axle | BE, CF, CK, EE, GG, HF, IC, LE, MA |
| b19 | Starter relay (Coil) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b20 | Starter relay (Terminal B) | AD | eb3 | Coolant temperature sensor | BE, GE |
| b21 | Starter relay (Terminal C) | AD | eb7 | Boost pressure sensor | GE |
| b27 | Waste gate magnetic valve | GE | eb8 | Rack sensor | GE |
| b29 | Engine speed sensor | GE | eb9 | Pre-stroke sensor and actuator | GE |
| b56 | Horn (High) (Terminal B) | EE | eb11 | Air conditioner compressor | FA |
| b57 | Horn (Low) (Terminal B) | EE | eb12 | Alternator (Terminal B) | AH |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BD, BE, BG, CA, CB, CF, CI, GE, GG, IB, LE, MA | a-b 7 | Cab main wiring harness to Front wiring harness 7 | KA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BD, BE, CB, CK, EE, FA, HF, IC, KA, LE, MA | b-eb 3 | Front wiring harness to Engine wiring harness-2_3 | AH, BE, FA, GE |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA, HB | b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | AH |
| a-b 5 | Cab main wiring harness to Front wiring harness 5 | GE | | | |

https://truckmanualshub.com/

## EG-27 [ENGINE (1 of 3)] (Model: FM2P for Thailand)




SHTS12Z160200244

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

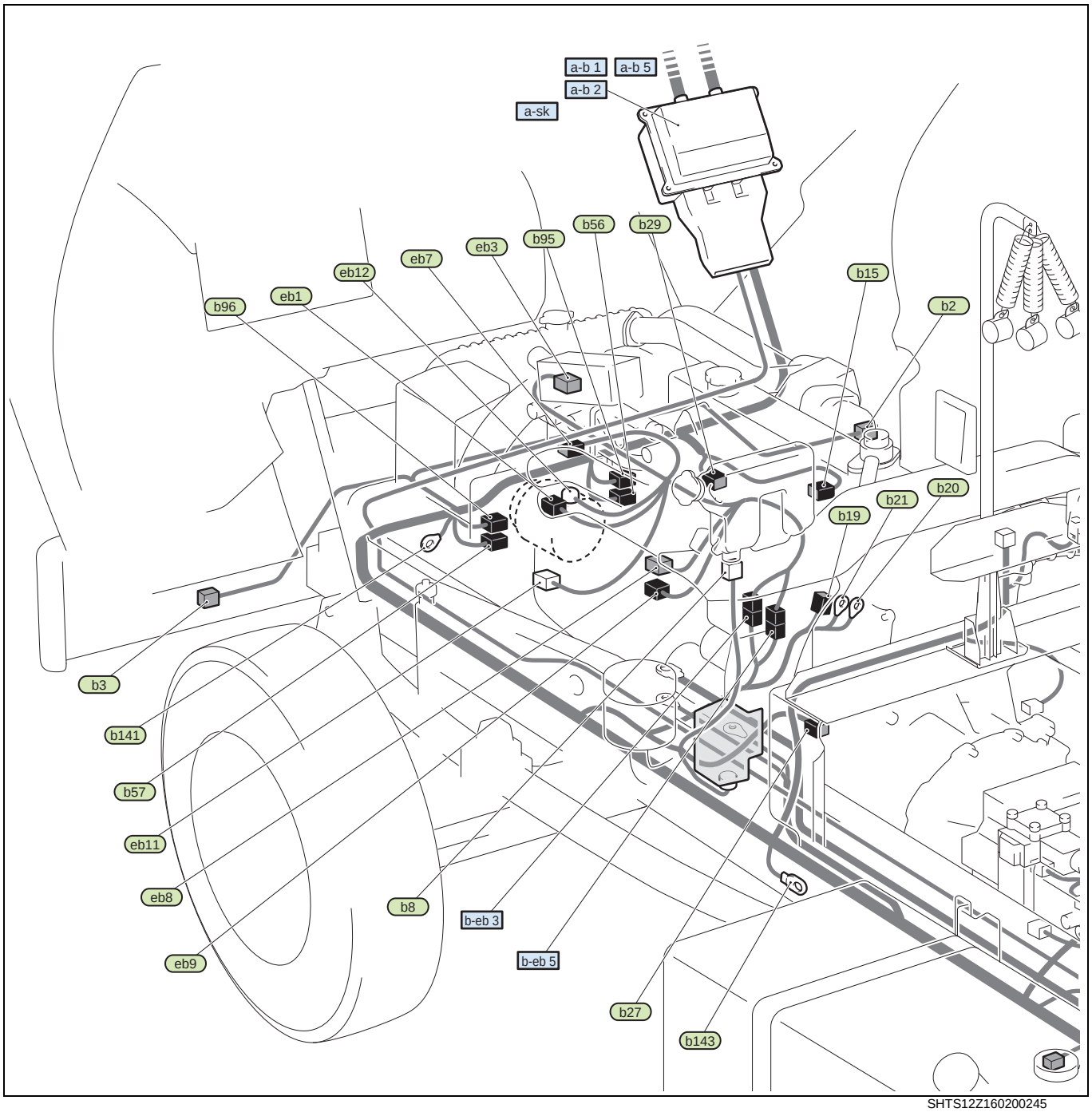
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | ee6 | Common rail pressure sensor | GB |
| b3 | Headlight LH | CA | ee7 | Engine speed main sensor | GB |
| b56 | Horn (High) (Terminal B) | EE | ee8 | Alternator (Terminals L, R) | AH |
| b57 | Horn (Low) (Terminal B) | EE | ee9 | Coolant temperature sensor | GB |
| b95 | Horn (High) (Terminal L) | EE | ee10 | Air conditioner compressor | FA |
| b96 | Horn (Low) (Terminal L) | EE | ee11 | Oil pressure switch | BA |
| b141 | Earth No.1 crossmember | BB, BC, CD, CF, EE, HF, IC, MA | ee12 | Fuel filter level sensor | BA |
| ee2 | PCV 1 | GB | ee13 | Boost pressure sensor | GB |
| ee3 | PCV 2 | GB | ee15 | Earth injector | GB |
| ee4 | Engine speed sub sensor | GB | ee16 | Alternator (Terminal B) | AH |
| ee5 | Fuel temperature sensor | GB | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, BG, CA, CB, CF, CI, GB, IB, LE, MA | a-ee | Cab main wiring harness to Engine wiring harness | AH, GB |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, CB, CK, EE, FA, IC, LE, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 7 | Cab main wiring harness to Front wiring harness 7 | KA | | | |

https://truckmanualshub.com/

## EG-28 [ENGINE (1 of 3)] (Model: FM2P for Vietnam)




SHTS12Z160200245

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

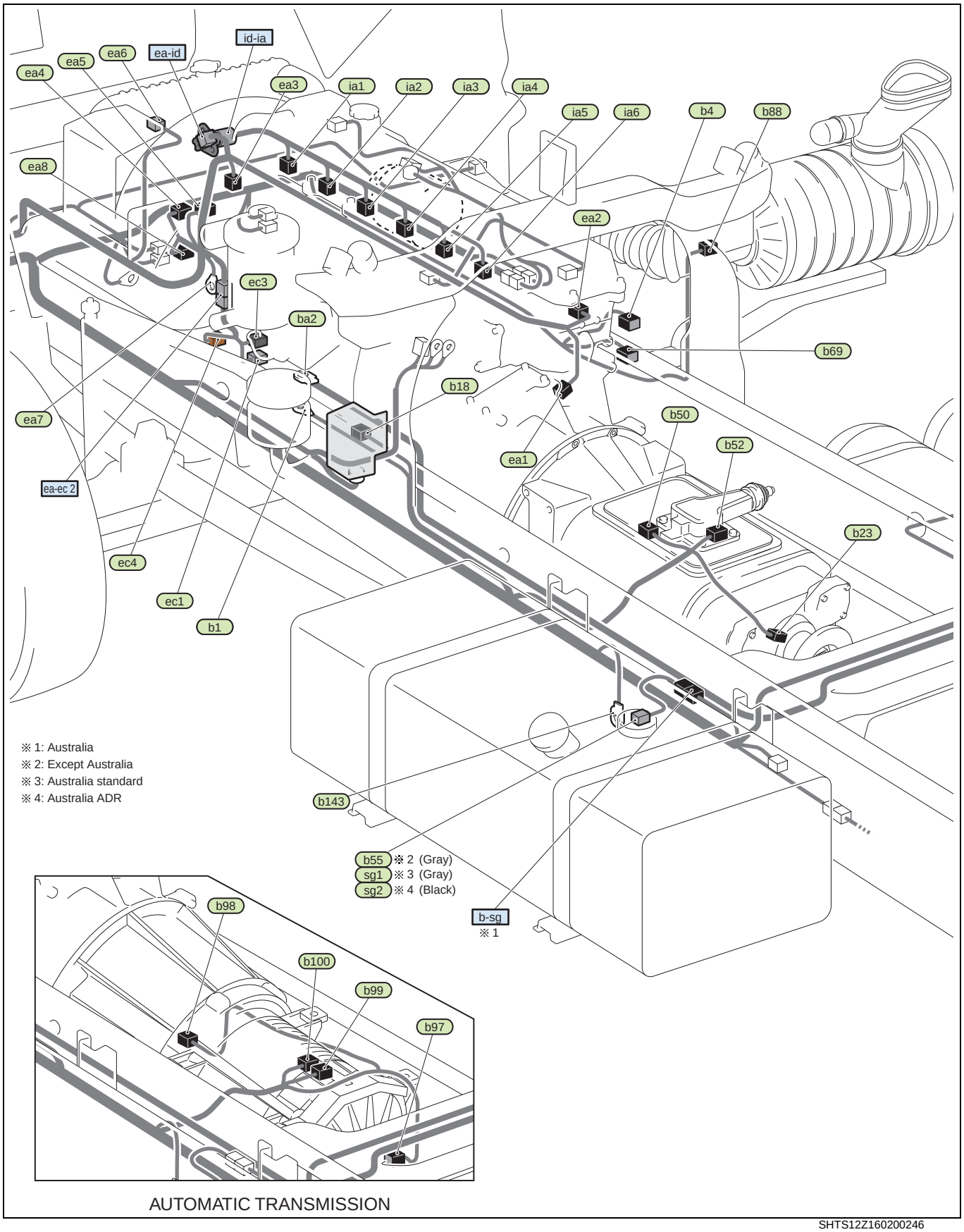
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | b95 | Horn (High) (Terminal L) | EE |
| b3 | Headlight LH | CA | b96 | Horn (Low) (Terminal L) | EE |
| b8 | Coolant level switch | BE | b141 | Earth No.1 crossmember | BE, CF, CK, EE, GG, HF, IC, LE, MA |
| b15 | Oil pressure switch | BE | b143 | Earth rear axle | BE, CF, CK, EE, GG, HF, IC, LE, MA |
| b19 | Starter relay (Coil) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b20 | Starter relay (Terminal B) | AD | eb3 | Coolant temperature sensor | BE, GE |
| b21 | Starter relay (Terminal C) | AD | eb7 | Boost pressure sensor | GE |
| b27 | Waste gate magnetic valve | GE | eb8 | Rack sensor | GE |
| b29 | Engine speed sensor | GE | eb9 | Pre-stroke sensor and actuator | GE |
| b56 | Horn (High) (Terminal B) | EE | eb11 | Air conditioner compressor | FA |
| b57 | Horn (Low) (Terminal B) | EE | eb12 | Alternator (Terminal B) | AH |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BD, BE, BG, CA, CB, CF, CI, GE, GG, IB, LE, MA | a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KA |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BD, BE, CB, CK, EE, FA, HF, IC, KA, LE, MA | b-eb 3 | Front wiring harness to Engine wiring harness-2_3 | AH, BE, FA, GE |
| a-b 5 | Cab main wiring harness to Front wiring harness 5 | GE | b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | AH |

https://truckmanualshub.com/

## EG-29 [ENGINE (2 of 3)] (Models: FM for Australia, New Zealand)




SHTS12Z160200246

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

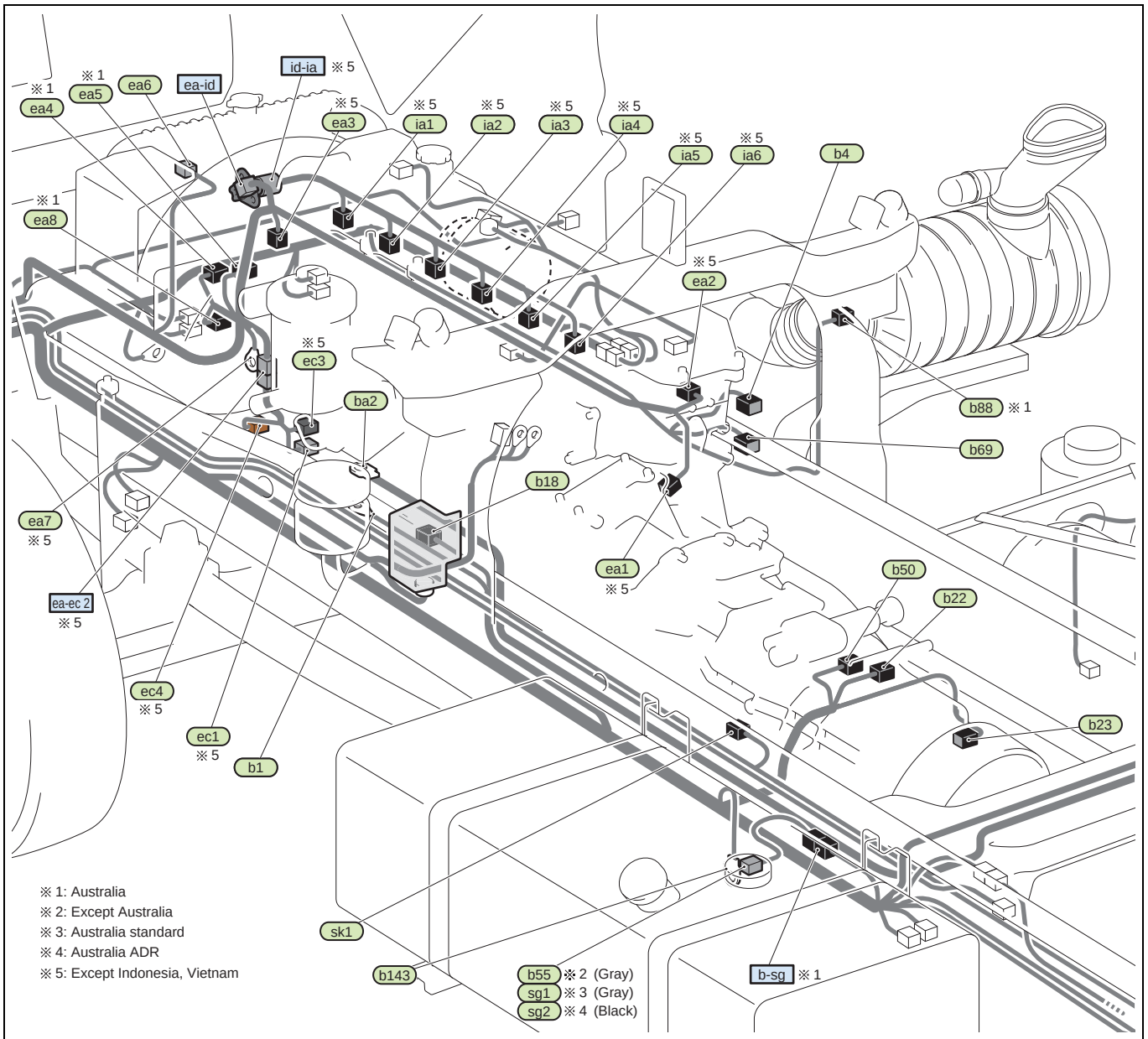
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD, AE | ea3 | Common rail pressure sensor | GD |
| b4 | Wheel sensor (Front RH) | HB | ea4 | EGR valve 1 | GD |
| b18 | Starter (Terminal C) | AD, AE | ea5 | EGR valve 2 | GD |
| b23 | Vehicle speed sensor | BA | ea6 | Coolant level switch | BA, EN |
| b50 | Neutral switch | AD | ea7 | Earth injector | BA, EN, GD, MA |
| b52 | Backup light switch | CF | ea8 | Boost pressure sensor | GD |
| b55 | Fuel gauge sender unit | BA | ec1 | Fuel filter level sensor | BA |
| b69 | Modulator (Front RH) | HB | ec3 | Fuel temperature sensor | GD |
| b88 | Air flow sensor | GD | ec4 | SCV (Suction control valve) | GD |
| b97 | Output speed sensor | ID | ia1 | Fuel injector No.1 | GD |
| b98 | Engine speed sensor | ID | ia2 | Fuel injector No.2 | GD |
| b99 | Automatic transmission main unit 2 | ID | ia3 | Fuel injector No.3 | GD |
| b100 | Automatic transmission main unit 1 | ID, LC | ia4 | Fuel injector No.4 | GD |
| b143 | Earth rear axle | BB, BC, CD, CF, CH, EE, EM, HB, HF, LE, LF, MA | ia5 | Fuel injector No.5 | GD |
| ba2 | Starter (Terminal B) | AD, AE | ia6 | Fuel injector No.6 | GD |
| ea1 | Engine speed main sensor | GD | sg1 | Fuel gauge sender unit (Australia standard) | BA |
| ea2 | Engine speed sub sensor | GD | sg2 | Fuel gauge sender unit (Australia ADR) | BA |

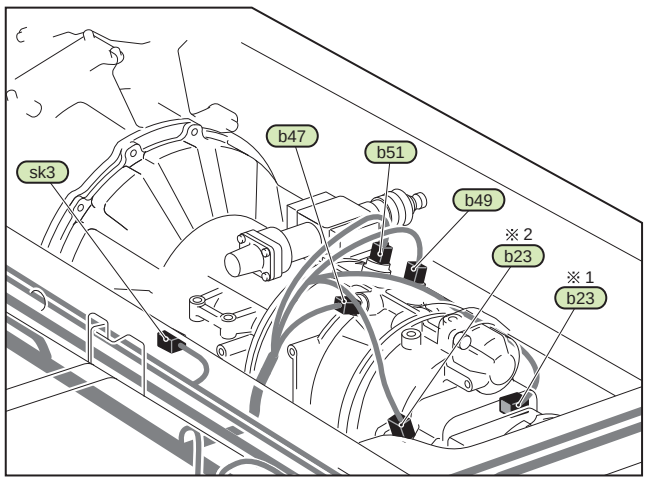
**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-sg | Front wiring harness to Fuel tank sub wiring harness | BA | ea-id | Engine wiring harness-1 to Link-up connector | GD |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GD | id-ia | Link-up connector to Injector wiring harness | GD |

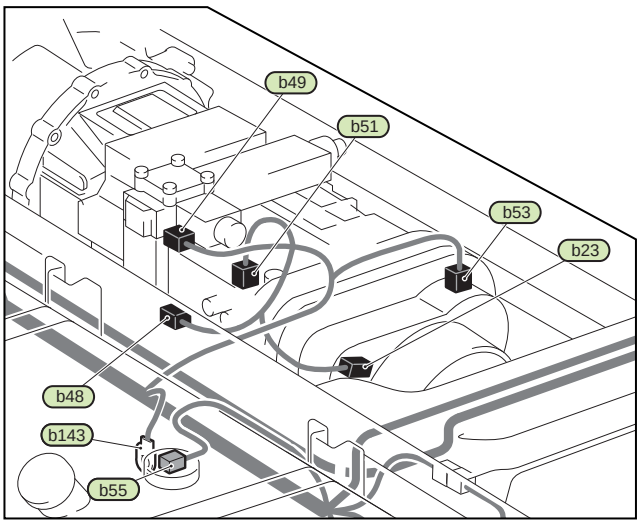
https://truckmanualshub.com/

## EG-30 [ENGINE (2 of 3)]
## [Models: FL for Australia, Vietnam FM8J for Chile, Indonesia, Thailand, India (Except tractor)]




EATON TRANSMISSION




ZF9S1110 TRANSMISSION

SHTS12Z160200247

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

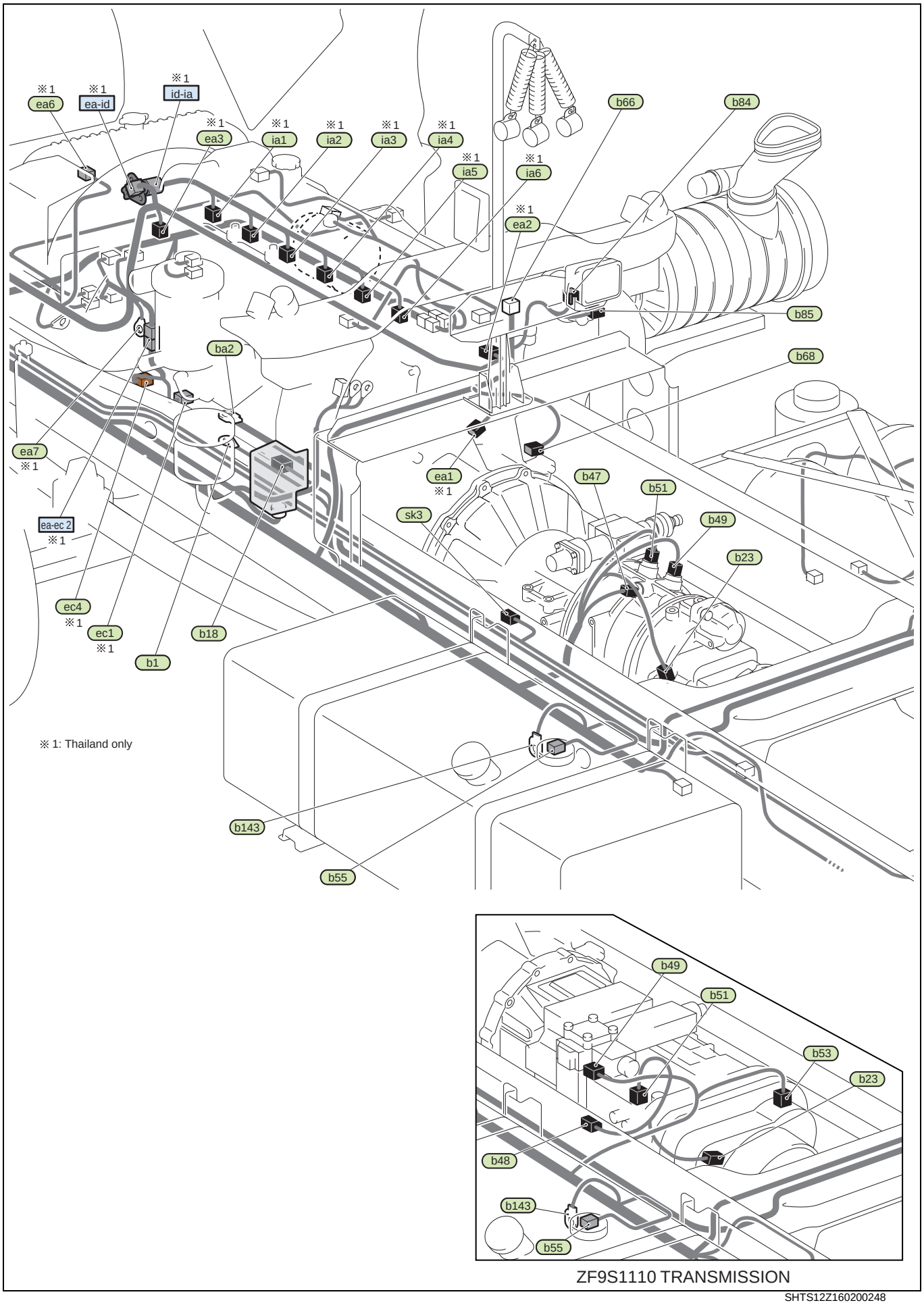
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | ea4 | EGR valve 1 | GD |
| b4 | Wheel sensor (Front RH) | HB | ea5 | EGR valve 2 | GD |
| b18 | Starter (Terminal C) | AD | ea6 | Coolant level switch | BA, EN |
| b22 | Backup light switch | CF | ea7 | Earth injector | BA, EN, GA, GD, MA |
| b23 | Vehicle speed sensor | BA, BE | ea8 | Boost pressure sensor | GD |
| b47 | Range Lo switch | IA | ec1 | Fuel filter level sensor | BA |
| b48 | Range Hi switch | IB | ec3 | Fuel temperature sensor | GA, GD |
| b49 | Neutral switch | AD | ec4 | SCV (Suction Control Valve) | GA, GD |
| b50 | Neutral switch | AD | ia1 | Fuel injector No.1 | GA, GD |
| b51 | Backup light switch | CF | ia2 | Fuel injector No.2 | GA, GD |
| b53 | P.T.O. position switch | KA | ia3 | Fuel injector No.3 | GA, GD |
| b55 | Fuel gauge sender unit | BA, BE | ia4 | Fuel injector No.4 | GA, GD |
| b69 | Modulator (Front RH) | HB | ia5 | Fuel injector No.5 | GA, GD |
| b88 | Air flow sensor | GD | ia6 | Fuel injector No.6 | GA, GD |
| b143 | Earth rear axle | BB, BC, CD, CF, CH, EE, EM, HB, HF, LF, MA | sg1 | Fuel gauge sender unit (Australia standard) | BA |
| ba2 | Starter (Terminal B) | AD | sg2 | Fuel gauge sender unit (Australia ADR) | BA |
| ea1 | Engine speed main sensor | GA, GD | sk1 | P.T.O. position switch | KA |
| ea2 | Engine speed sub sensor | GA, GD | sk3 | P.T.O. position switch | KB |
| ea3 | Common rail pressure sensor | GA, GD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-sg | Front wiring harness to Fuel tank sub wiring harness | BA | ea-id | Engine wiring harness-1 to Link-up connector | GA, GD |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GA, GD | id-ia | Link-up connector to Injector wiring harness | GA, GD |

https://truckmanualshub.com/

## EG-31 [ENGINE (2 of 3)] (Model: FM8J tractor)




SHTS12Z160200248

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

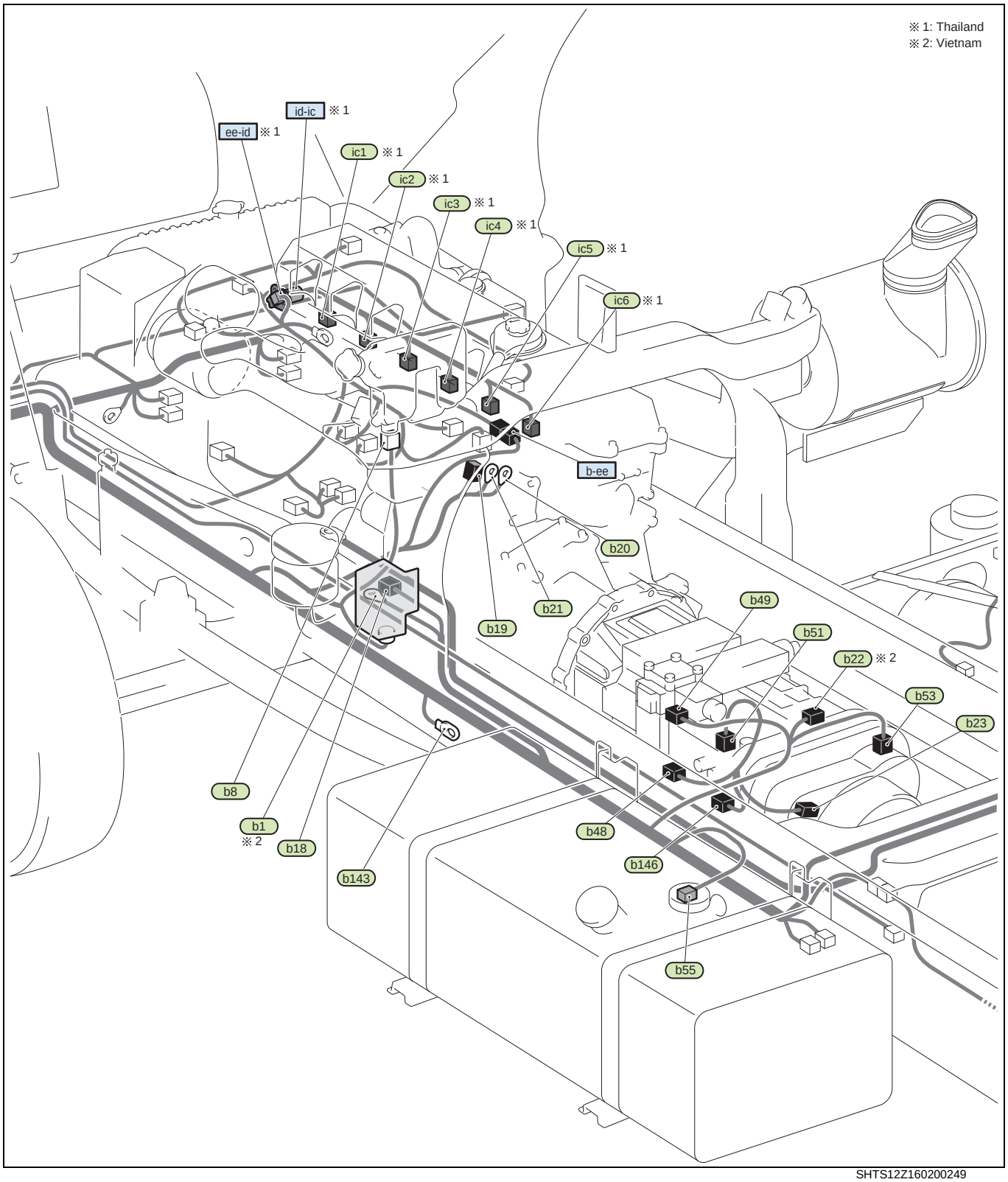
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | ea1 | Engine speed main sensor | GA |
| b18 | Starter (Terminal C) | AD | ea2 | Engine speed sub sensor | GA |
| b23 | Vehicle speed sensor | BA, BE | ea3 | Common rail pressure sensor | GA |
| b47 | Range Lo switch | IA | ea6 | Coolant level switch | BA |
| b48 | Range Hi switch | IB | ea7 | Earth injector | BA, GA, MA |
| b49 | Neutral switch | AD | ec1 | Fuel filter level sensor | BA |
| b51 | Backup light switch | CF | ec4 | SCV (Suction Control Valve) | GA |
| b53 | P.T.O. position switch | KA | ia1 | Fuel injector No.1 | GA |
| b55 | Fuel gauge sender unit | BA, BE | ia2 | Fuel injector No.2 | GA |
| b66 | Trailer socket | CB, LE | ia3 | Fuel injector No.3 | GA |
| b68 | Trailer stop light switch | CB | ia4 | Fuel injector No.4 | GA |
| b84 | Spot light | CK | ia5 | Fuel injector No.5 | GA |
| b85 | Spot light switch | CK | ia6 | Fuel injector No.6 | GA |
| b143 | Earth rear axle | BB, BE, CF, CK, EE, GG, HF, LE, MA | sk3 | P.T.O. position switch | KB |
| ba2 | Starter (Terminal B) | AD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GA | id-ia | Link-up connector to Injector wiring harness | GA |
| ea-id | Engine wiring harness-1 to Link-up connector | GA | | | |

https://truckmanualshub.com/

## EG-32 [ENGINE (2 of 3)] [Models: FM2P for Thailand, Vietnam (Except tractor)]




SHTS12Z160200249

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

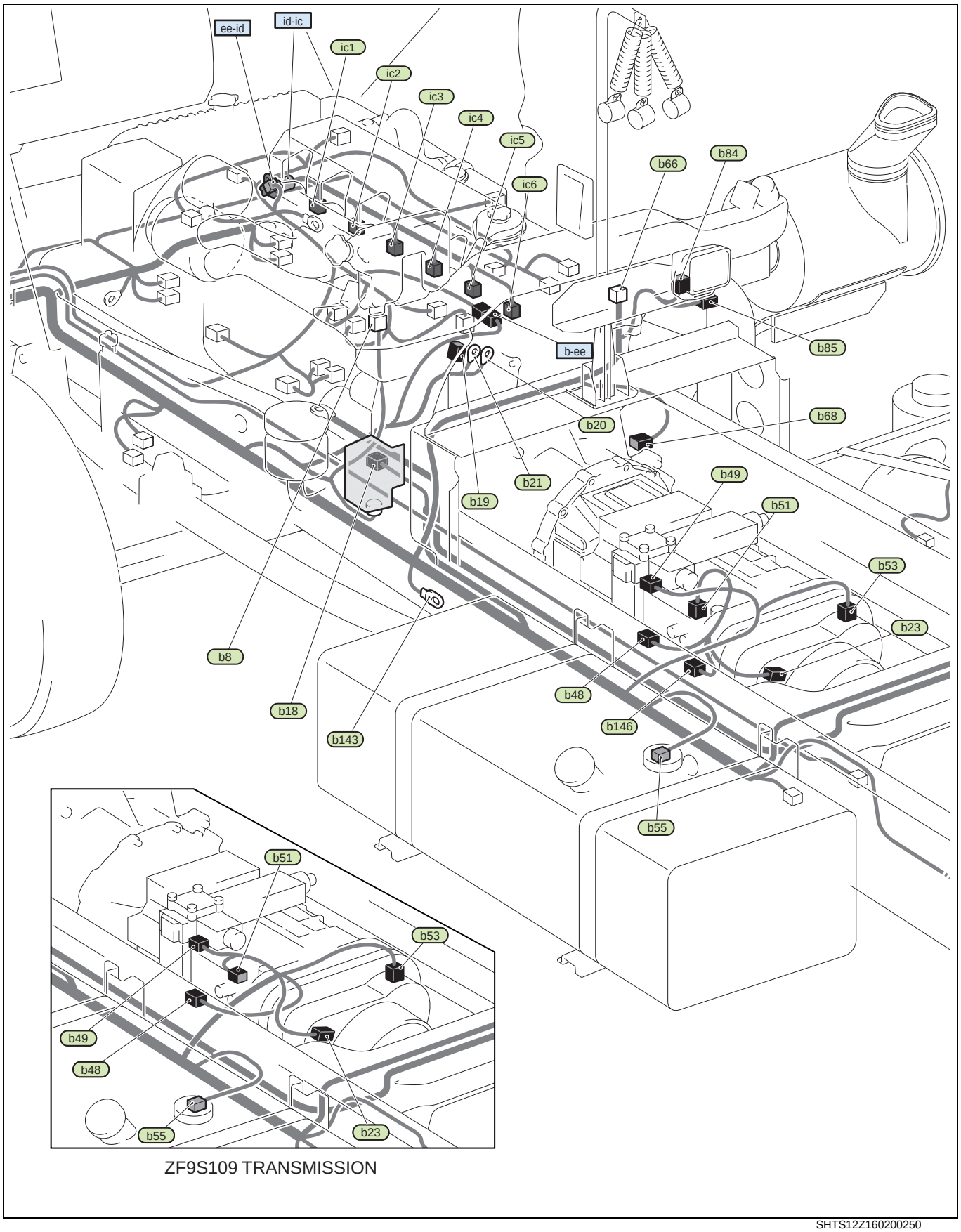
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b4 | Starter (Terminal B) | AD | b53 | P.T.O. position switch | KA |
| b8 | Coolant level switch | BA | b55 | Fuel gauge sender unit | BA |
| b18 | Starter (Terminal C) | AD | b143 | Earth rear axle | BB, CF, EE, EM, HF, IC, MA |
| b19 | Starter relay (Coil) | AD | b146 | ZF power shift magnetic valve | IC |
| b20 | Starter relay (Terminal B) | AD | ic1 | Fuel injector No.1 | GB |
| b21 | Starter relay (Terminal C) | AD | ic2 | Fuel injector No.2 | GB |
| b22 | Backup light switch | CF | ic3 | Fuel injector No.3 | GB |
| b23 | Vehicle speed sensor | BA | ic4 | Fuel injector No.4 | GB |
| b48 | Range Hi switch | IB | ic5 | Fuel injector No.5 | GB |
| b49 | Neutral switch | AD | ic6 | Fuel injector No.6 | GB |
| b51 | Backup light switch | CF | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-ee | Front wiring harness to Engine wiring harness | AH | id-ic | Link-up connector to Injector wiring harness | GB |
| ee-id | Engine wiring harness to Link-up connector | GB | | | |

https://truckmanualshub.com/

## EG-33 [ENGINE (2 of 3)] (Model: FM2P tractor)




ZF9S109 TRANSMISSION

SHTS12Z160200250

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

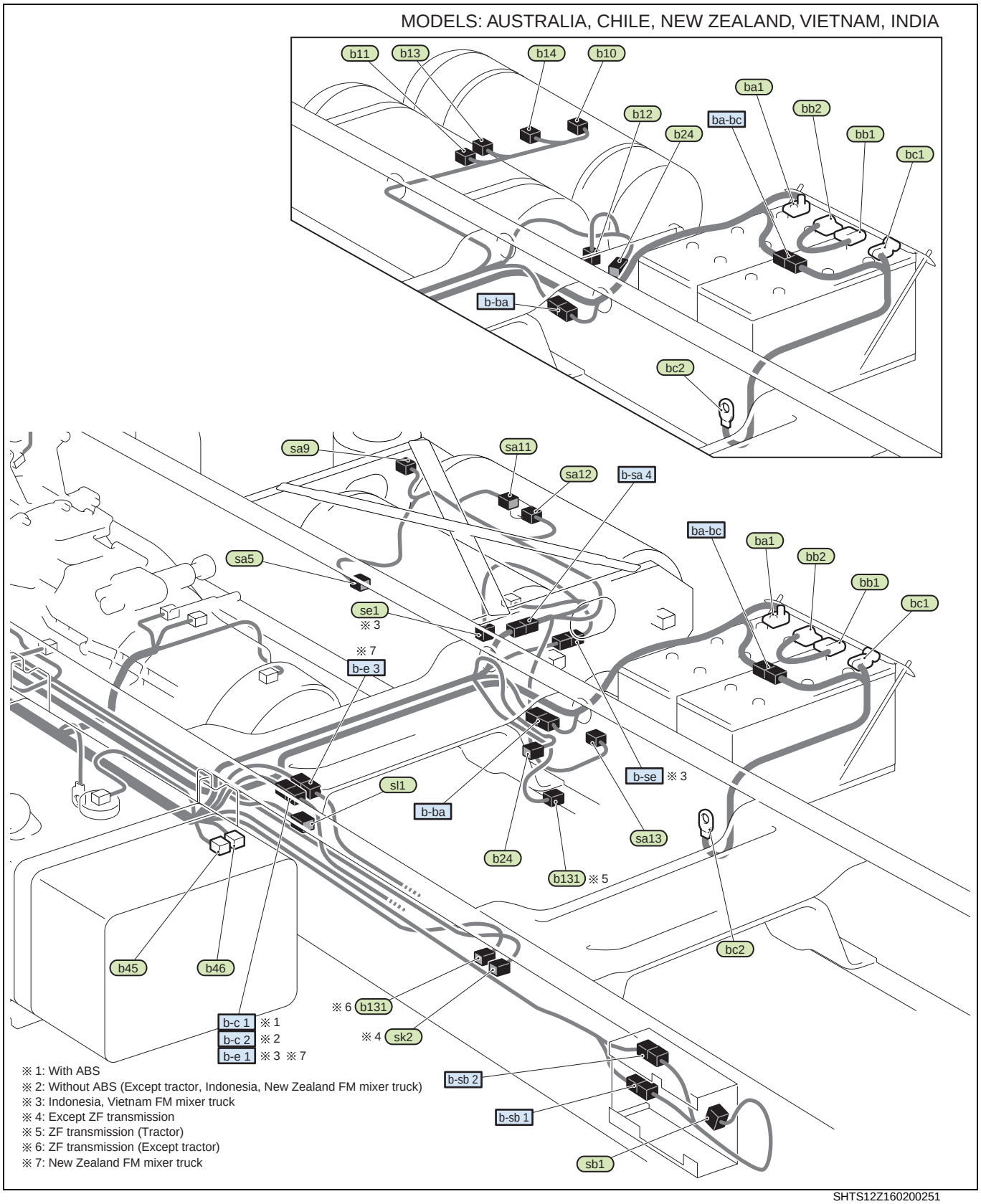
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b8 | Coolant level switch | BA, BE | b68 | Trailer stop light switch | CB |
| b18 | Starter (Terminal C) | AD | b84 | Spot light | CK |
| b19 | Starter relay (Coil) | AD | b85 | Spot light switch | CK |
| b20 | Starter relay (Terminal B) | AD | b143 | Earth rear axle | BB, CF, CK, EE, EM, GG, HF, IC, MA |
| b21 | Starter relay (Terminal C) | AD | b146 | ZF power shift magnetic valve | IC |
| b23 | Vehicle speed sensor | BA, BE | ic1 | Fuel injector No.1 | GB |
| b48 | Range Hi switch | IB | ic2 | Fuel injector No.2 | GB |
| b49 | Neutral switch | AD | ic3 | Fuel injector No.3 | GB |
| b51 | Backup light switch | CF | ic4 | Fuel injector No.4 | GB |
| b53 | P.T.O. position switch | KA | ic5 | Fuel injector No.5 | GB |
| b55 | Fuel gauge sender unit | BA, BE | ic6 | Fuel injector No.6 | GB |
| b66 | Trailer socket | CB, LE | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-ee | Front wiring harness to Engine wiring harness | AH | id-ic | Link-up connector to Injector wiring harness | GB |
| ee-id | Engine wiring harness to Link-up connector | GB | | | |

https://truckmanualshub.com/

## EG-34 [ENGINE (3 of 3)] (Models: FL, FM8J, FM2P)




SHTS12Z160200251

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

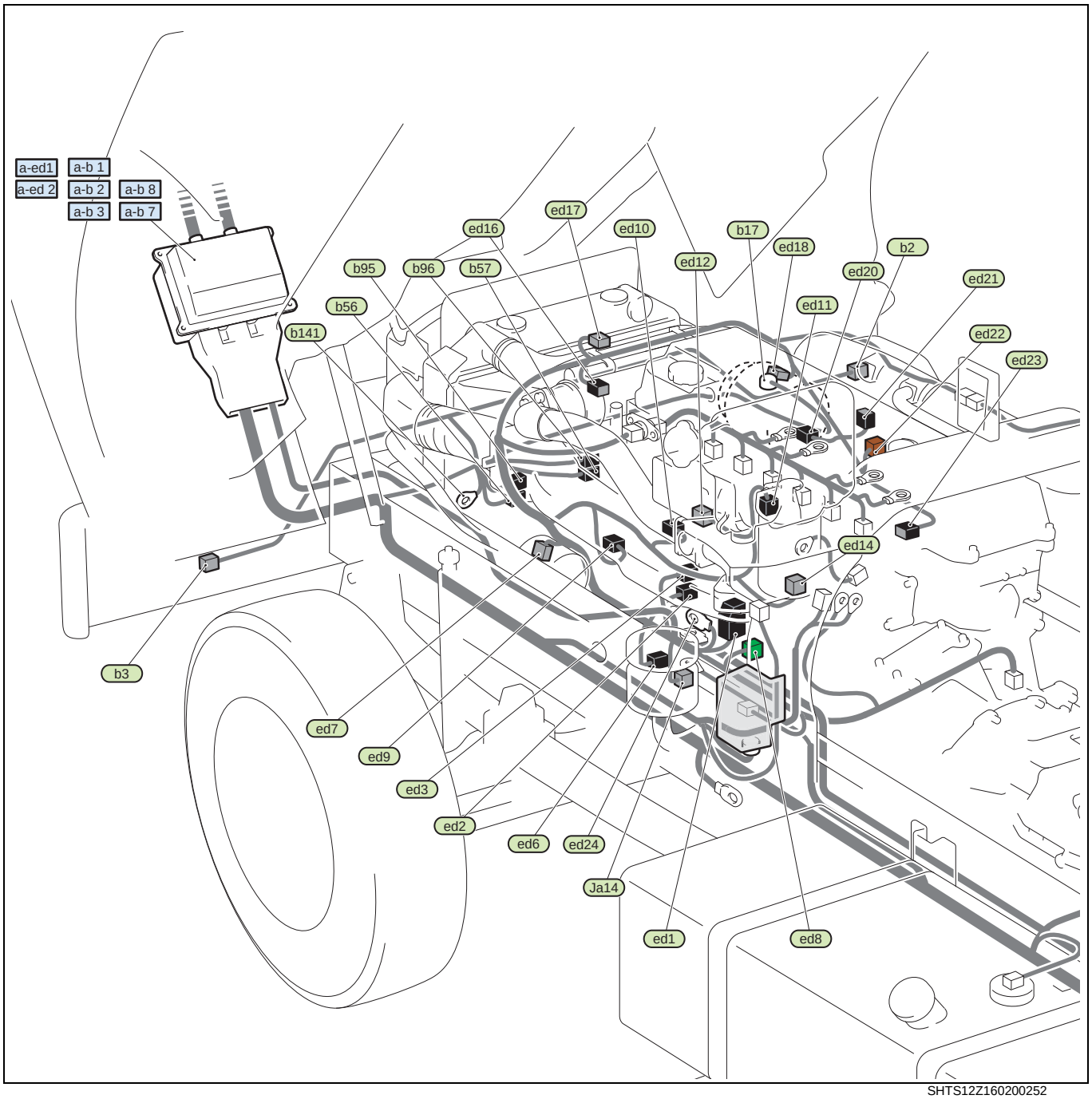
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b10 | Low pressure switch 1 | BB | bc1 | Battery (-) terminal (Battery 1) | AA |
| b11 | Low pressure switch 2 | BB | bc2 | Battery ground | AA, BA, BE, BG, BI, GE, HB, ID, MA |
| b12 | Low pressure switch 3 | BB | sa5 | Brake adjust switch (Front) | BB, BE |
| b13 | Air gauge sensor (Front) | BB | sa9 | Brake fluid level switch | BB, BE |
| b14 | Air gauge sensor (Rear) | BB | sa11 | Low pressure switch 3 (Wet) | BB, BE |
| b24 | Exhaust brake magnetic valve | GF, GG, GH | sa12 | Air gauge sensor (Wet) | BB, BE |
| b45 | Dump up switch | KA, KB | sa13 | Brake adjust switch (Rear) | BB, BE |
| b46 | Service power (Tail) | AB | sb1 | Automatic transmission ECU | ID |
| b131 | P.T.O. magnetic valve | KA | se1 | Brake lock pressure switch | HD |
| ba1 | Battery (+) terminal (Battery 2) | AA | sk2 | P.T.O. magnetic valve | KA, KB |
| bb1 | Battery (+) terminal (Battery 1) | AA | sl1 | P.T.O. accelerator sensor | GL |
| bb2 | Battery (-) terminal (Battery 2) | AA | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CF, EM, HB, HF, MA | b-sa 4 | Front wiring harness to Air tank sub wiring harness 4 | BB, BE, GG |
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | BC, CA, CB, EM, HF, MA | b-sb 1 | Front wiring harness to Automatic transmission sub wiring harness 1 | ID |
| b-e 1 | Front wiring harness to Intermediate+rear wiring harness 1 | CA, CD, CH, HD, HF, LE, MA | b-sb 2 | Front wiring harness to Automatic transmission sub wiring harness 2 | ID, LC |
| b-e 3 | Front wiring harness to Intermediate+rear wiring harness 3 | AB, BC, LE | b-se | Front wiring harness to Brake lock (Pressure switch) sub wiring harness | HD |
| b-ba | Front wiring harness to Battery cable-1 | BA, BE, BG, BH, GE, HB, MA | ba-bc | Battery cable-1 to Battery cable-3 | MA |

https://truckmanualshub.com/

## EG-35 [ENGINE (1 of 3)] (Model: FM1A)




SHTS12Z160200252

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

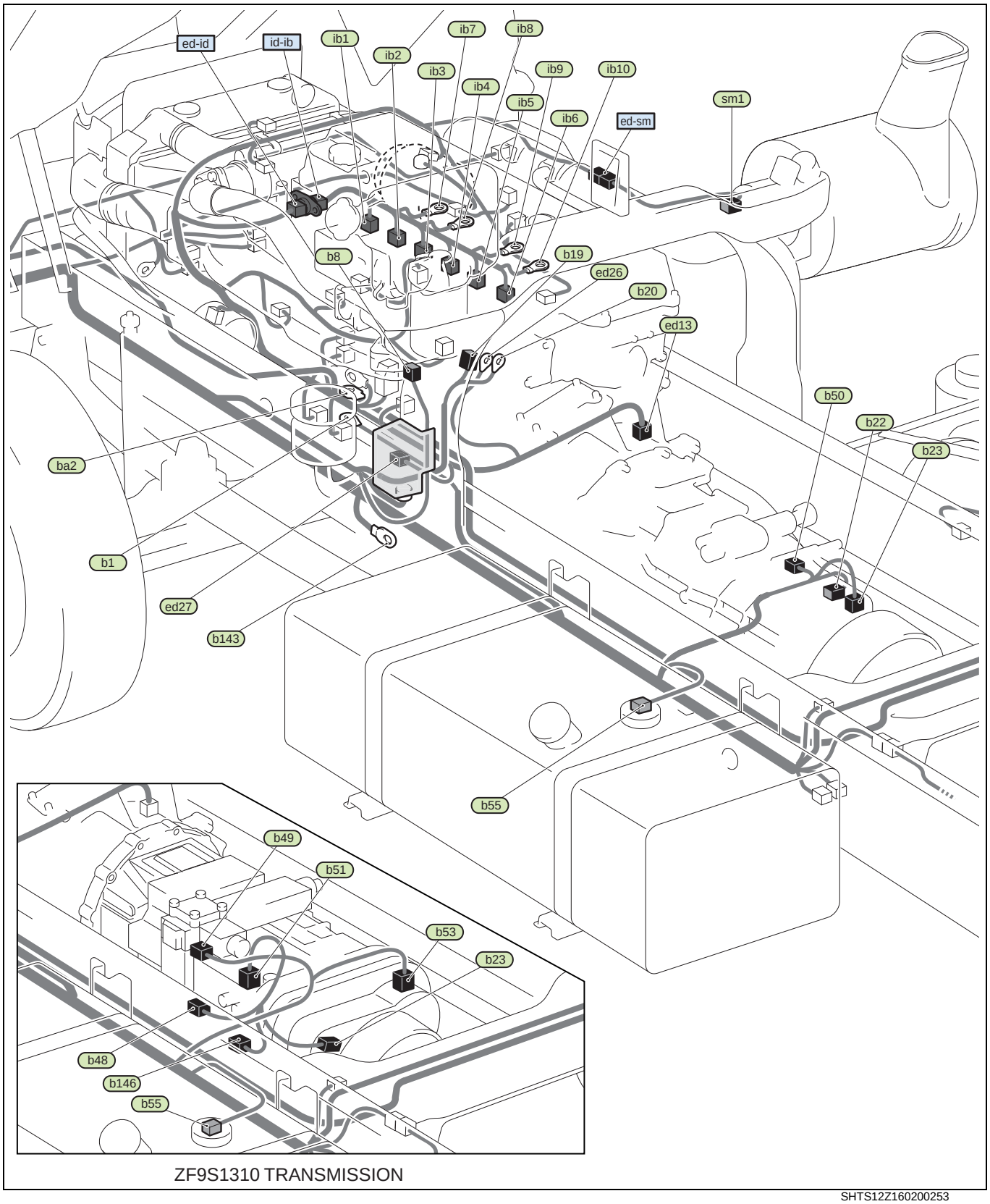
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | ed10 | MPROP (Supply pump) | GM |
| b3 | Headlight LH | CA | ed11 | Common rail pressure sensor | GM |
| b17 | Alternator (Terminal B) | AH | ed12 | EGR control | GO |
| b56 | Horn (High) (Terminal B) | EE | ed14 | Fuel filter level sensor | BA |
| b57 | Horn (Low) (Terminal B) | EE | ed16 | Boost pressure sensor | GM |
| b95 | Horn (High) (Terminal L) | EE | ed17 | EGR coolant temperature sensor | GO |
| b96 | Horn (Low) (Terminal L) | EE | ed18 | Coolant temperature sensor | GM |
| b141 | Earth No.1 crossmember | BB, CD, CF, CH, CK, EE, HF, IC, LE, MA | ed20 | Alternator (Terminals L, R) | AH |
| ed1 | Engine ECU [89 pin (A09C)] | GM, GO, GP, MA | ed21 | Turbine speed sensor | GO |
| ed2 | Engine ECU [36 pin (A09C)] | GM, GN, GO, GP, GQ | ed22 | VNT actuator | GO |
| ed3 | Engine ECU [16 pin (A09C)] | GM | ed23 | Oil pressure switch | BA |
| ed6 | VNT controller | GO | ed24 | Earth injector | GM, MA |
| ed7 | Air conditioner compressor | FA | | | |
| ed8 | Fuel temperature sensor | GM | Ja14 | J/C Engine CAN | GM |
| ed9 | Engine speed main sensor | GM | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, BA, BG, BI, CA, CB, CD, CF, CH, CI, GM, LA, LE, LG, MA | a-b 8 | Cab main wiring harness to Front wiring harness 8 | GP |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, CB, CD, CK, EE, FA, GM, HD, HF, IC, KA, LE, MA | a-ed 1 | Cab main wiring harness to Engine wiring harness-1_1 | AD, AH, BA, FA, GM, GO, GP, KA, LA, LB, LG, MA |
| a-b 6 | Cab main wiring harness to Front wiring harness 6 | HD | a-ed 2 | Cab main wiring harness to Engine wiring harness-1_2 | FA, GP |
| a-b 7 | Cab main wiring harness to Front wiring harness 7 | KA | | | |

https://truckmanualshub.com/

## EG-36 [ENGINE (2 of 3)] [Model: FM1A (Except tractor)]




SHTS12Z160200253

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

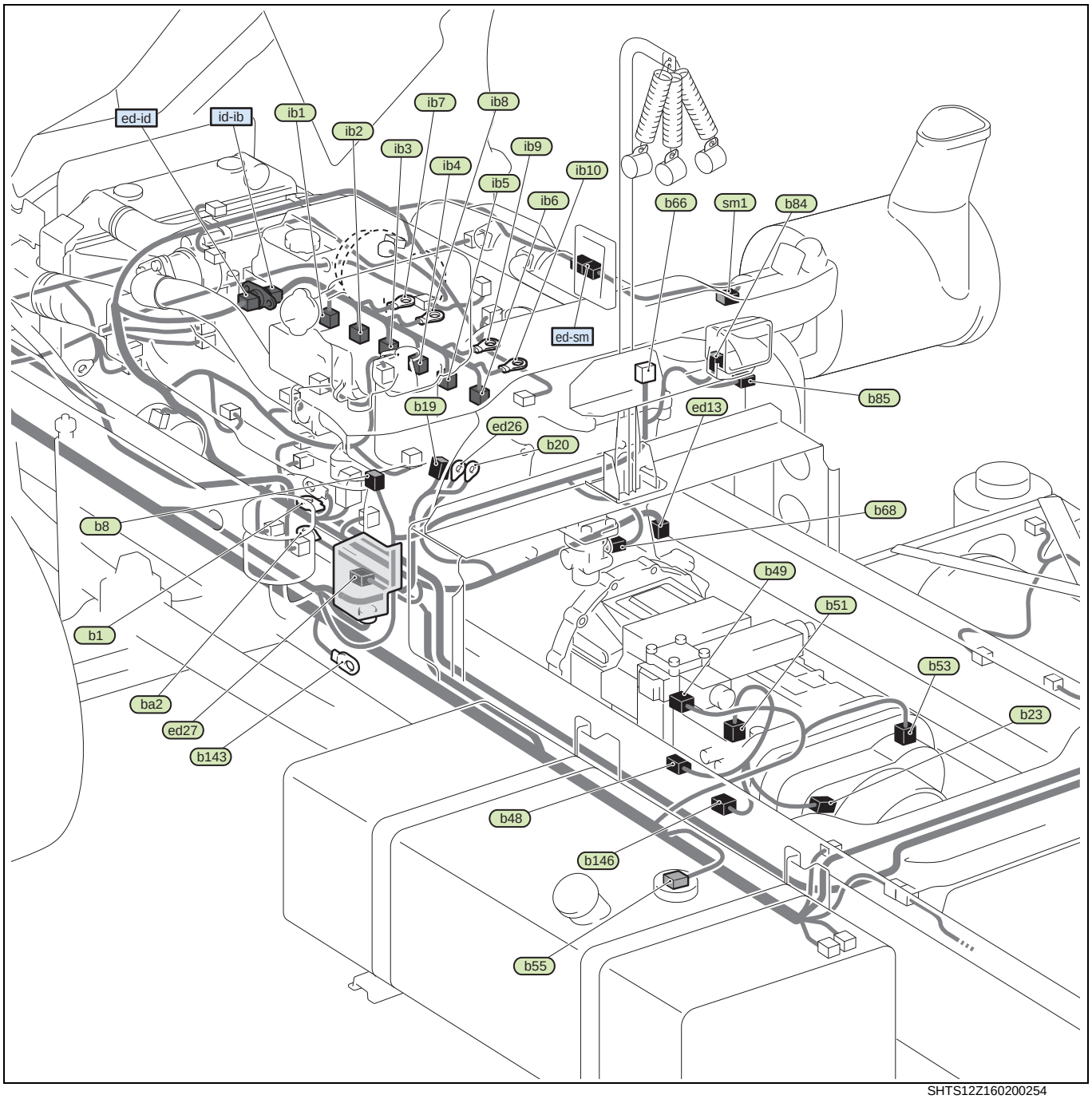
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | ed13 | Engine speed sub sensor | GM |
| b8 | Coolant level switch (Header tank) | BA | ed26 | Starter relay (Terminal C) | AD |
| b19 | Starter relay (Coil) | AD | ed27 | Starter (Terminal C) | AD |
| b20 | Starter relay (Terminal B) | AD | ib1 | Fuel injector No.1 | GM |
| b22 | Backup light switch | CF, LG | ib2 | Fuel injector No.2 | GM |
| b23 | Vehicle speed sensor | BA | ib3 | Fuel injector No.3 | GM |
| b48 | Range Hi switch | IB | ib4 | Fuel injector No.4 | GM |
| b49 | Neutral switch | AD | ib5 | Fuel injector No.5 | GM |
| b50 | Neutral switch | AD | ib6 | Fuel injector No.6 | GM |
| b51 | Backup light switch | CF, LG | ib7 | Engine retarder EGR [Brake F (-)] | GQ |
| b53 | P.T.O. position switch | KA | ib8 | Engine retarder EGR [Brake F (+)] | GQ |
| b55 | Fuel gauge sender unit | BA | ib9 | Engine retarder EGR [Brake R (-)] | GQ |
| b143 | Earth rear axle | BB, CD, CF, CH, EE, HF, IC, MA | ib10 | Engine retarder EGR [Brake R (+)] | GQ |
| b146 | ZF power shift magnetic valve | IC | sm1 | Air flow sensor | GN |
| ba2 | Starter (Terminal B) | AD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ed-id | Engine wiring harness-1 to Link-up connector | GM, GQ | id-ib | Link-up connector to Injector wiring harness | GM, GQ |
| ed-sm | Engine wiring harness-1 to Air flow sensor sub wiring harness | GN | | | |

https://truckmanualshub.com/

## EG-37 [ENGINE (2 of 3)] (Model: FM1A tractor)




SHTS12Z160200254

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

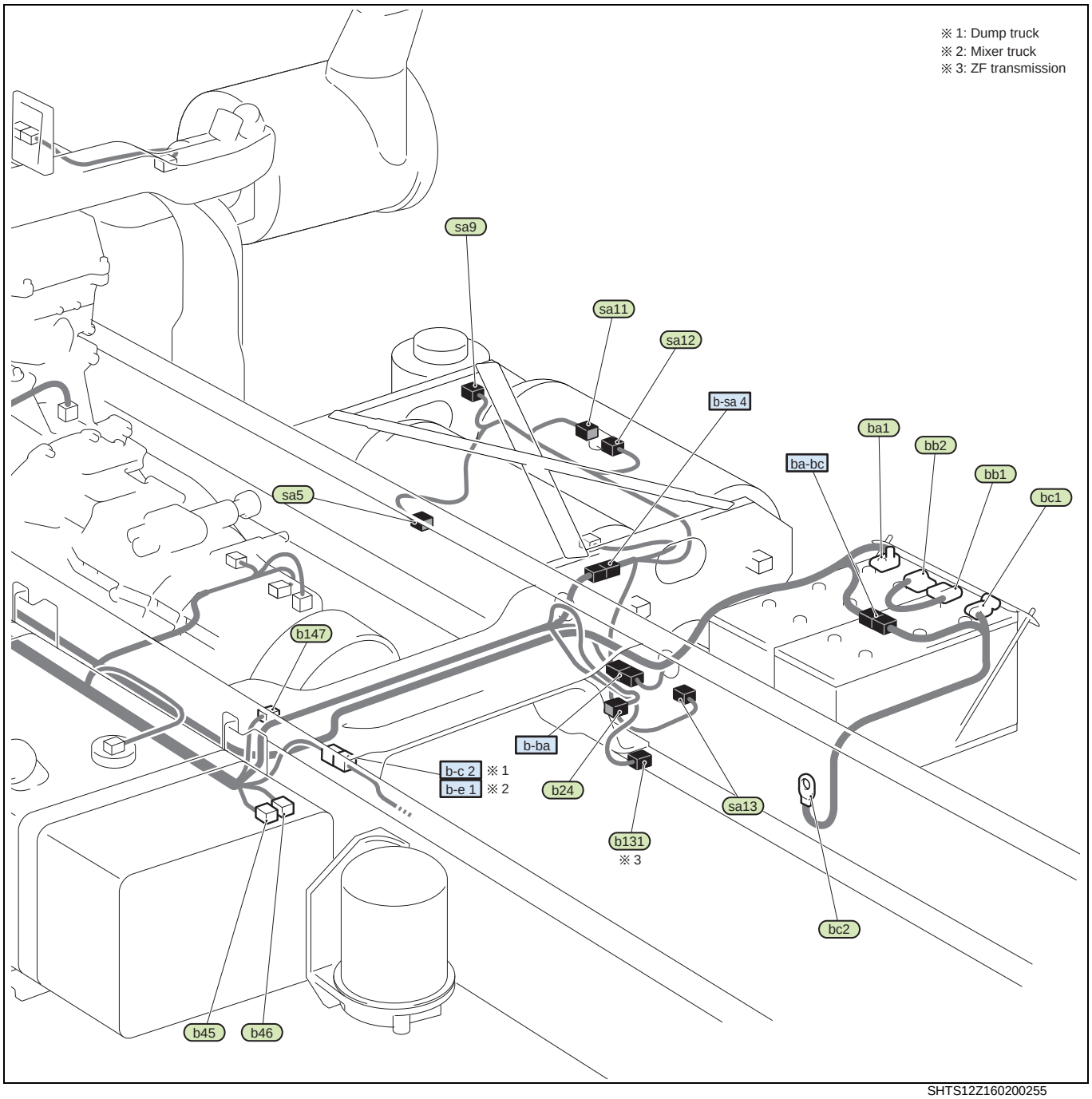
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | ba2 | Starter (Terminal B) | AD |
| b8 | Coolant level switch (Header tank) | BA | ed13 | Engine speed sub sensor | GM |
| b19 | Starter relay (Coil) | AD | ed26 | Starter relay (Terminal C) | AD |
| b20 | Starter relay (Terminal B) | AD | ed27 | Starter (Terminal C) | AD |
| b23 | Vehicle speed sensor | BA | ib1 | Fuel injector No.1 | GM |
| b48 | Range Hi switch | IB | ib2 | Fuel injector No.2 | GM |
| b49 | Neutral switch | AD | ib3 | Fuel injector No.3 | GM |
| b51 | Backup light switch | CF, LG | ib4 | Fuel injector No.4 | GM |
| b53 | P.T.O. position switch | KA | ib5 | Fuel injector No.5 | GM |
| b55 | Fuel gauge sender unit | BA | ib6 | Fuel injector No.6 | GM |
| b66 | Trailer socket | CB, LE | ib7 | Engine retarder EGR [Brake F (-)] | GQ |
| b68 | Trailer stop light switch | CB | ib8 | Engine retarder EGR [Brake F (+)] | GQ |
| b84 | Spot light | CK | ib9 | Engine retarder EGR [Brake R (-)] | GQ |
| b85 | Spot light switch | CK | ib10 | Engine retarder EGR [Brake R (+)] | GQ |
| b143 | Earth rear axle | BB, CF, CK, EE, HF, IC, LE, MA | sm1 | Air flow sensor | GN |
| b146 | ZF power shift magnetic valve | IC | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ed-id | Engine wiring harness-1 to Link-up connector | GM, GQ | id-ib | Link-up connector to Injector wiring harness | GM, GQ |
| ed-sm | Engine wiring harness-1 to Air flow sensor sub wiring harness | GN | | | |

https://truckmanualshub.com/

## EG-38 [ENGINE (3 of 3)] (Model: FM1A)




SHTS12Z160200255

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

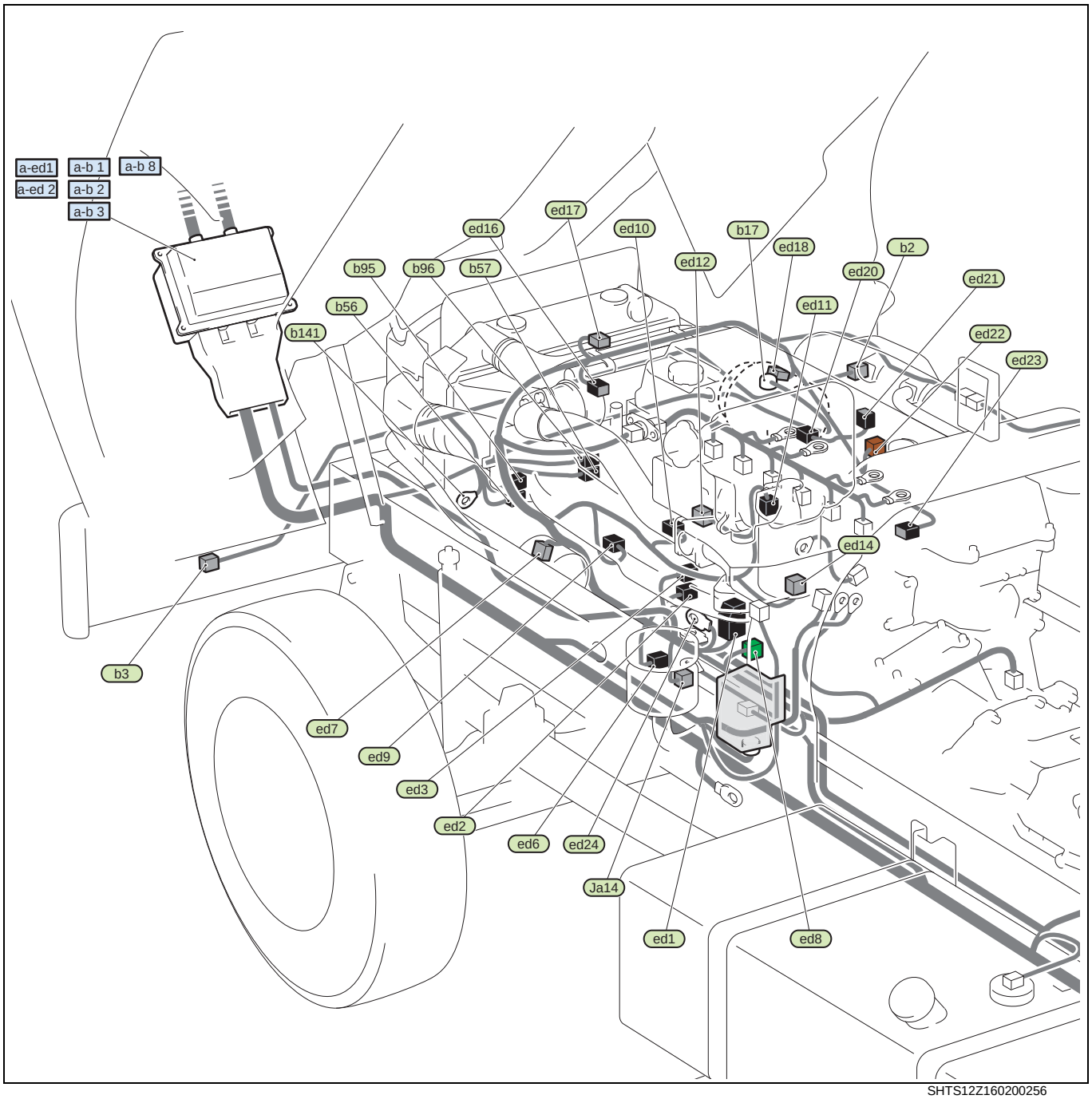
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b24 | Exhaust brake magnetic valve | GF | bc1 | Battery (-) terminal (Battery 1) | AA |
| b45 | Dump up switch | KA | bc2 | Battery ground | AA, BA, BG, BI, LG, MA |
| b46 | Service power (Tail) | AB | sa5 | Brake adjust switch (Front) | BB |
| b131 | P.T.O. magnetic valve | KA | sa9 | Brake fluid level switch | BB |
| b147 | P.T.O. accelerator sensor | GP | sa11 | Low pressure switch 3 (Wet) | BB |
| ba1 | Battery (+) terminal (Battery 2) | AA | sa12 | Air gauge sensor (Wet) | BB |
| bb1 | Battery (+) terminal (Battery 1) | AA | sa13 | Brake adjust switch (Rear) | BB |
| bb2 | Battery (-) terminal (Battery 2) | AA | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | CA, CB, HF, MA | b-sa 4 | Front wiring harness to Air tank sub wiring harness 4 | BB |
| b-e 1 | Front wiring harness to Intermediate+rear wiring harness 1 | CA, CD, CH, HD, HF, LE, MA | ba-bc | Battery cable-1 to Battery cable-3 | MA |
| b-ba | Front wiring harness to Battery cable-1 | BA, BG, BI, MA | | | |

https://truckmanualshub.com/

## EG-39 [ENGINE (1 of 3)] (Model: FM1A for Australia, New Zealand)




SHTS12Z160200256

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

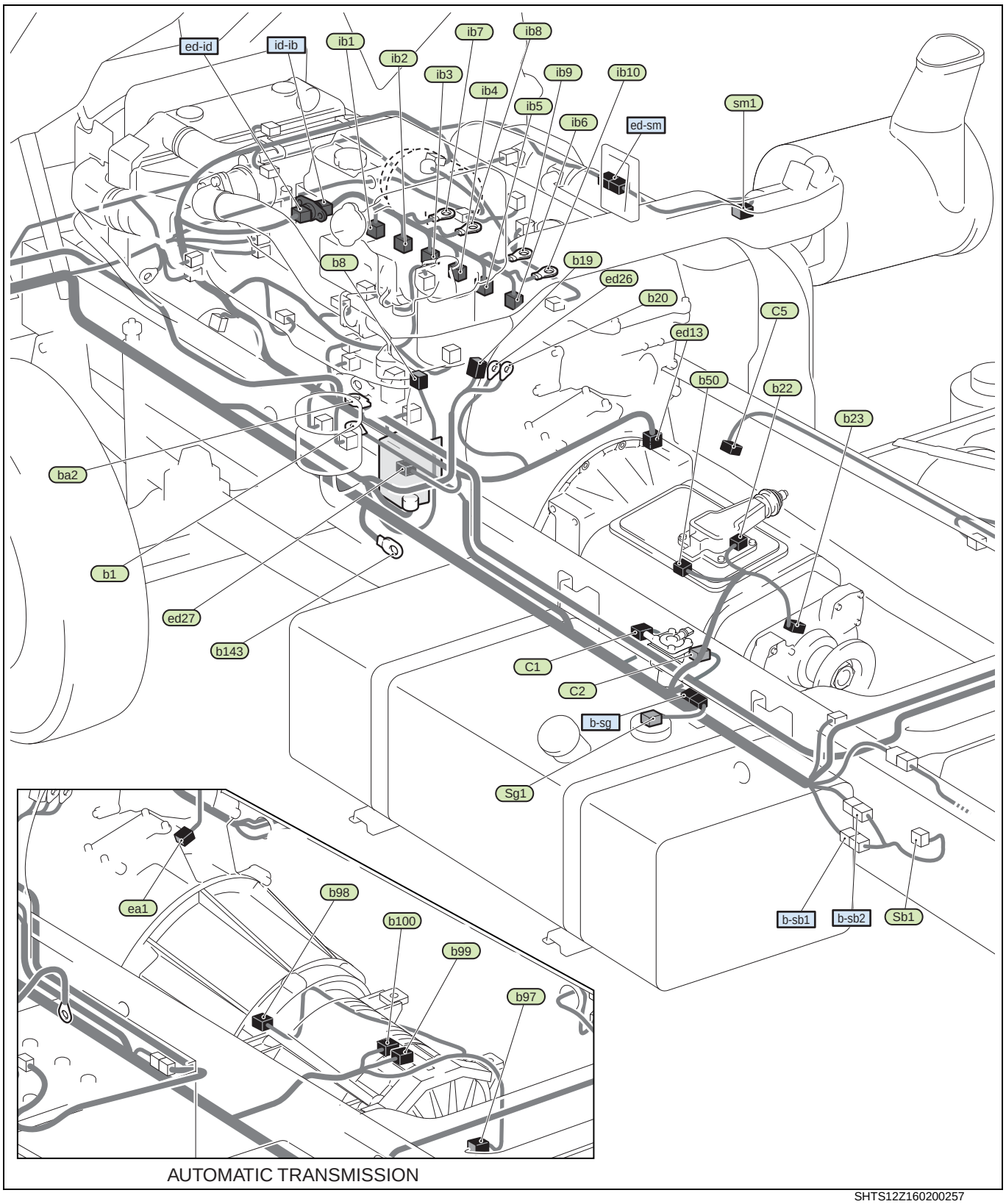
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | ed10 | MPROP (Supply pump) | GM |
| b3 | Headlight LH | CA | ed11 | Common rail pressure sensor | GM |
| b17 | Alternator (Terminal B) | AH | ed12 | EGR control | GO |
| b56 | Horn (High) (Terminal B) | EE | ed14 | Fuel filter level sensor | BA |
| b57 | Horn (Low) (Terminal B) | EE | ed16 | Boost pressure sensor | GM |
| b95 | Horn (High) (Terminal L) | EE | ed17 | EGR coolant temperature sensor | GO |
| b96 | Horn (Low) (Terminal L) | EE | ed18 | Coolant temperature sensor | GM |
| b141 | Earth No.1 crossmember | BB, CD, CF, CH, CK, EE, HF, IC, LE, MA | ed20 | Alternator (Terminals L, R) | AH |
| ed1 | Engine ECU [89 pin (A09C)] | GM, GO, GP, MA | ed21 | Turbine speed sensor | GO |
| ed2 | Engine ECU [36 pin (A09C)] | GM, GN, GO, GP, GQ | ed22 | VNT actuator | GO |
| ed3 | Engine ECU [16 pin (A09C)] | GM | ed23 | Oil pressure switch | BA |
| ed6 | VNT controller | GO | ed24 | Earth injector | GM, MA |
| ed7 | Air conditioner compressor | FA | | | |
| ed8 | Fuel temperature sensor | GM | Ja14 | J/C Engine CAN | GM |
| ed9 | Engine speed main sensor | GM | | | |

**WIRE TO WIRE CONNECTORM**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, BA, BG, BI, CA, CB, CD, CF, CH, CI, GM, LA, LE, LG, MA | a-b 8 | Cab main wiring harness to Front wiring harness 8 | GP |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, CB, CD, CK, EE, FA, GM, HD, HF, IC, KA, LE, MA | a-ed 1 | Cab main wiring harness to Engine wiring harness-1_1 | AD, AH, BA, FA, GM, GO, GP, KA, LA, LB, LG, MA |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | ID | a-ed 2 | Cab main wiring harness to Engine wiring harness-1_2 | FA, GP |

https://truckmanualshub.com/

## EG-40 [ENGINE (2 of 3)] (Models: FM1A for Australia, New Zealand)




SHTS12Z160200257

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

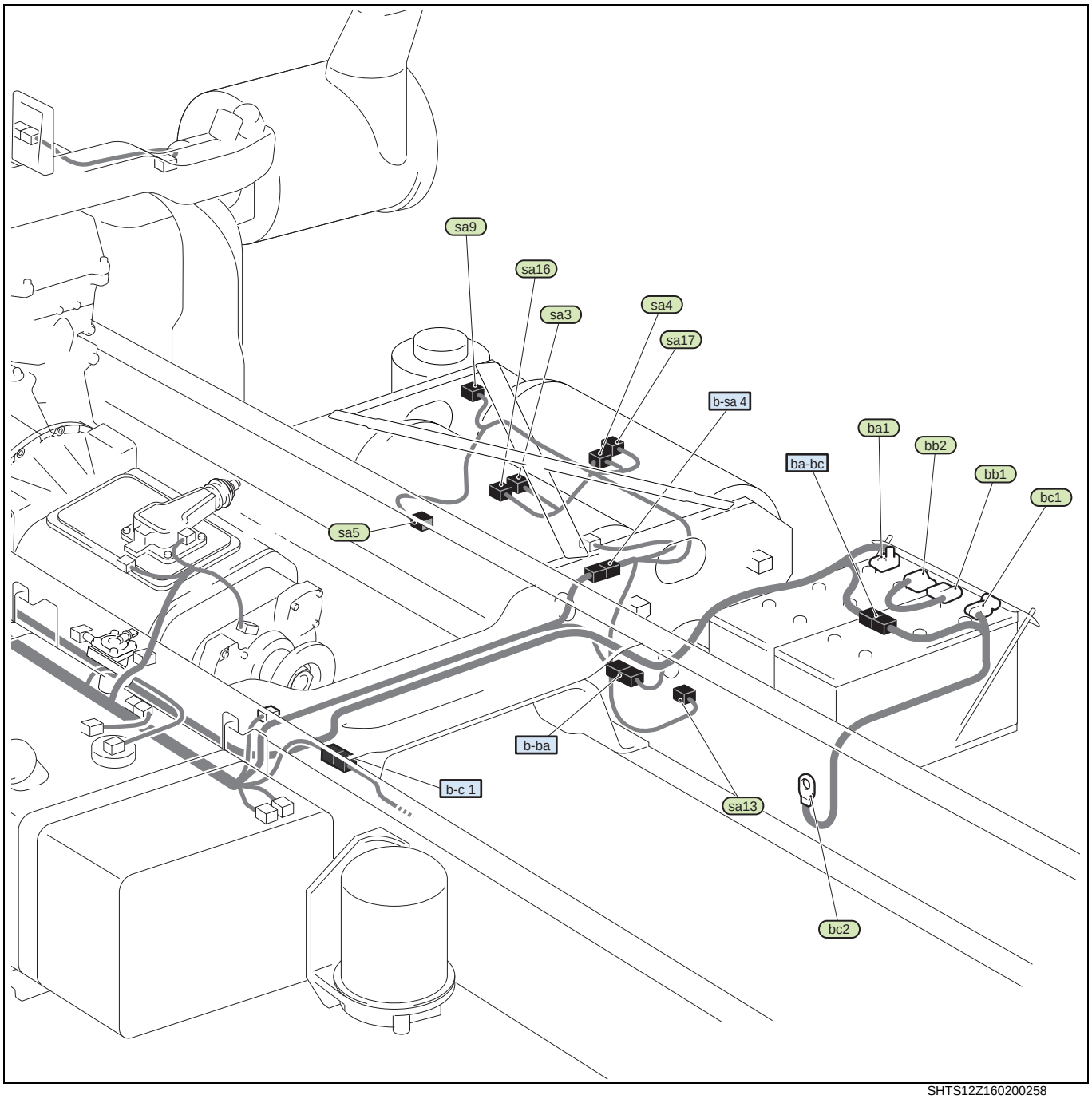
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | ed13 | Engine speed sub sensor | GM |
| b8 | Coolant level switch (Header tank) | BA | ed26 | Starter relay (Terminal C) | AD |
| b19 | Starter relay (Coil) | AD | ed27 | Starter (Terminal C) | AD |
| b20 | Starter relay (Terminal B) | AD | ib1 | Fuel injector No.1 | GM |
| b22 | Backup light switch | CF, LG | ib2 | Fuel injector No.2 | GM |
| b23 | Vehicle speed sensor | BA | ib3 | Fuel injector No.3 | GM |
| b50 | Neutral switch | AD | ib4 | Fuel injector No.4 | GM |
| b97 | Output speed sensor | ID | ib5 | Fuel injector No.5 | GM |
| b98 | Engine speed sensor | ID | ib6 | Fuel injector No.6 | GM |
| b99 | Automatic transmission main unit 2 | ID | ib7 | Engine retarder EGR [Brake F (-)] | GQ |
| b100 | Automatic transmission main unit 1 | ID, LC | ib8 | Engine retarder EGR [Brake F (+)] | GQ |
| b143 | Earth rear axle | BB, CD, CF, CH, EE, HF, MA | ib9 | Engine retarder EGR [Brake R (-)] | GQ |
| ba2 | Starter (Terminal B) | AD | ib10 | Engine retarder EGR [Brake R (+)] | GQ |
| c1 | Buzzer cancel switch | BC | sb1 | Automatic transmission ECU | ID |
| c2 | Spring brake switch | BC | sg1 | Fuel gauge sender unit | BA |
| c5 | Differential lock magnetic valve | HF | sm1 | Air flow sensor | GN |
| ea1 | Engine speed main sensor | GD | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-sb 1 | Front wiring harness to Automatic transmission sub wiring harness 1 | ID | ed-id | Engine wiring harness-1 to Link-up connector | GM, GQ |
| b-sb 2 | Front wiring harness to Automatic transmission sub wiring harness 2 | ID, LC | ed-sm | Engine wiring harness-1 to Air flow sensor sub wiring harness | GN |
| b-sg | Front wiring harness to Fuel tank sub wiring harness | BA | id-ib | Link-up connector to Injector wiring harness | GM, GQ |

https://truckmanualshub.com/

## EG-41 [ENGINE (3 of 3)] (Model: FM1A for Australia, New Zealand)




SHTS12Z160200258

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

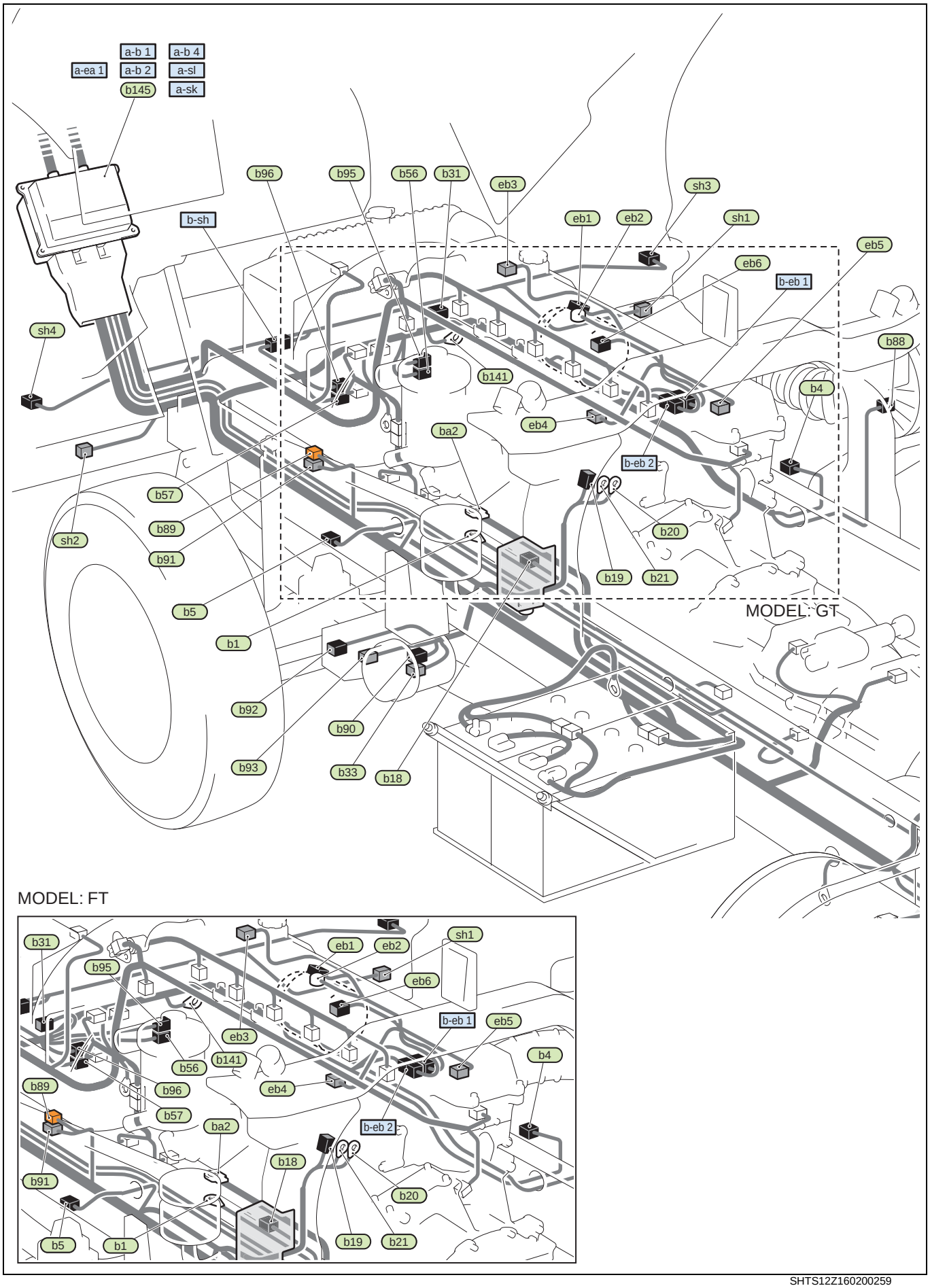
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| ba1 | Battery (+) terminal (Battery 2) | AA | sa4 | Air gauge sensor (Rear) | BB |
| bb1 | Battery (+) terminal (Battery 1) | AA | sa5 | Brake adjust switch (Front) | BB |
| bb2 | Battery (-) terminal (Battery 2) | AA | sa9 | Brake fluid level switch | BB |
| bc1 | Battery (-) terminal (Battery 1) | AA | sa13 | Brake adjust switch (Rear) | BB |
| bc2 | Battery ground | AA, BA, BI, LG, MA | sa16 | Low pressure switch 2(Front) | BB |
| sa3 | Air gauge sensor (Front) | BB | sa17 | Low pressure switch 3 (Rear) | BB |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | CA, CB, CC, CF, CI, CJ, EM, HA, HB, HF, MA | ba-bc | Battery cable-1 to Battery cable-3 | MA |
| b-ba | Front wiring harness to Battery cable-1 | BA, BG, BI, MA | b-sa 4 | Front wiring harness to Air tank sub wiring harness 4 | BB |

https://truckmanualshub.com/

## EG-42 [ENGINE (1 of 3)] (Models: FT, GT single cab)




SHTS12Z160200259

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

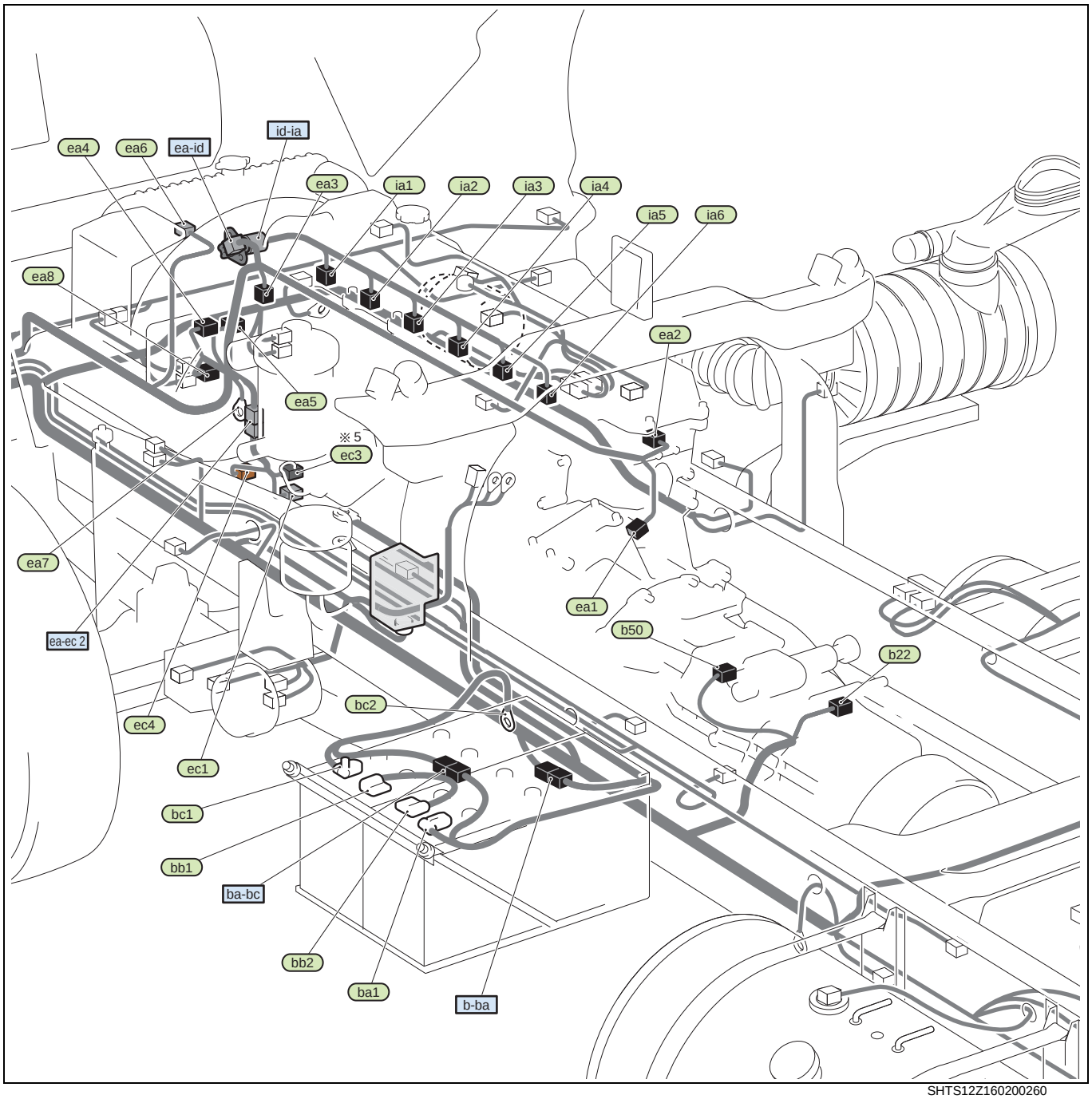
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b93 | Cab tilt relay | JA |
| b4 | Wheel sensor (Front RH) | HA | b95 | Horn (High) (Terminal L) | EE |
| b5 | Wheel sensor (Front LH) | HA | b96 | Horn (Low) (Terminal L) | EE |
| b18 | Starter (Terminal C) | AD | b141 | Earth No.1 crossmember | BB, BC, CD, CF, CH, EE, EM, HA, JA, LD, LF, MA |
| b19 | Starter relay (Coil) | AD | b145 | Cab tilt diode No.1 | JA |
| b20 | Starter relay (Terminal B) | AD | ba2 | Starter (Terminal B) | AD |
| b21 | Starter relay (Terminal C) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b31 | Cab tilt buzzer | JA | eb2 | Alternator (Terminal B) | AH |
| b33 | Cab tilt motor | JA | eb3 | Coolant temperature sensor | GD |
| b56 | Horn (High) (Terminal B) | EE | eb4 | Air conditioner compressor | FA |
| b57 | Horn (Low) (Terminal B) | EE | eb5 | Oil pressure switch | BA |
| b88 | Air flow sensor | GD | eb6 | VNT controller | GD |
| b89 | Cab tilt stroke switch | JA | sh1 | Headlight RH | CA |
| b90 | Cab tilt position switch | JA | sh2 | Headlight LH | CA |
| b91 | Cab tilt stop switch | JA | sh3 | Headlight beam control actuator RH | CE |
| b92 | Cab tilt switch | JA | sh4 | Headlight beam control actuator LH | CE |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BA, CA, CB, CD, CE, CF, CH, CI, EM, GD, GF, JA, LA, LD, LF, MA | a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | GL |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BA, BB, BC, EE, EM, FA, HA, JA, KA, LD, MA | b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | AH, BA, FA, GD |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | AA, HA | b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | AH |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | BA, EN, GD, GK, MA | b-sh | Front wiring harness to Headlight sub wiring harness | CA, CE |
| a-sk | Cab man wiring harness to P.T.O. sub wiring harness | KA | | | |

https://truckmanualshub.com/

## EG-43 [ENGINE (2 of 3)] (Models: FT, GT single cab)




SHTS12Z160200260

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

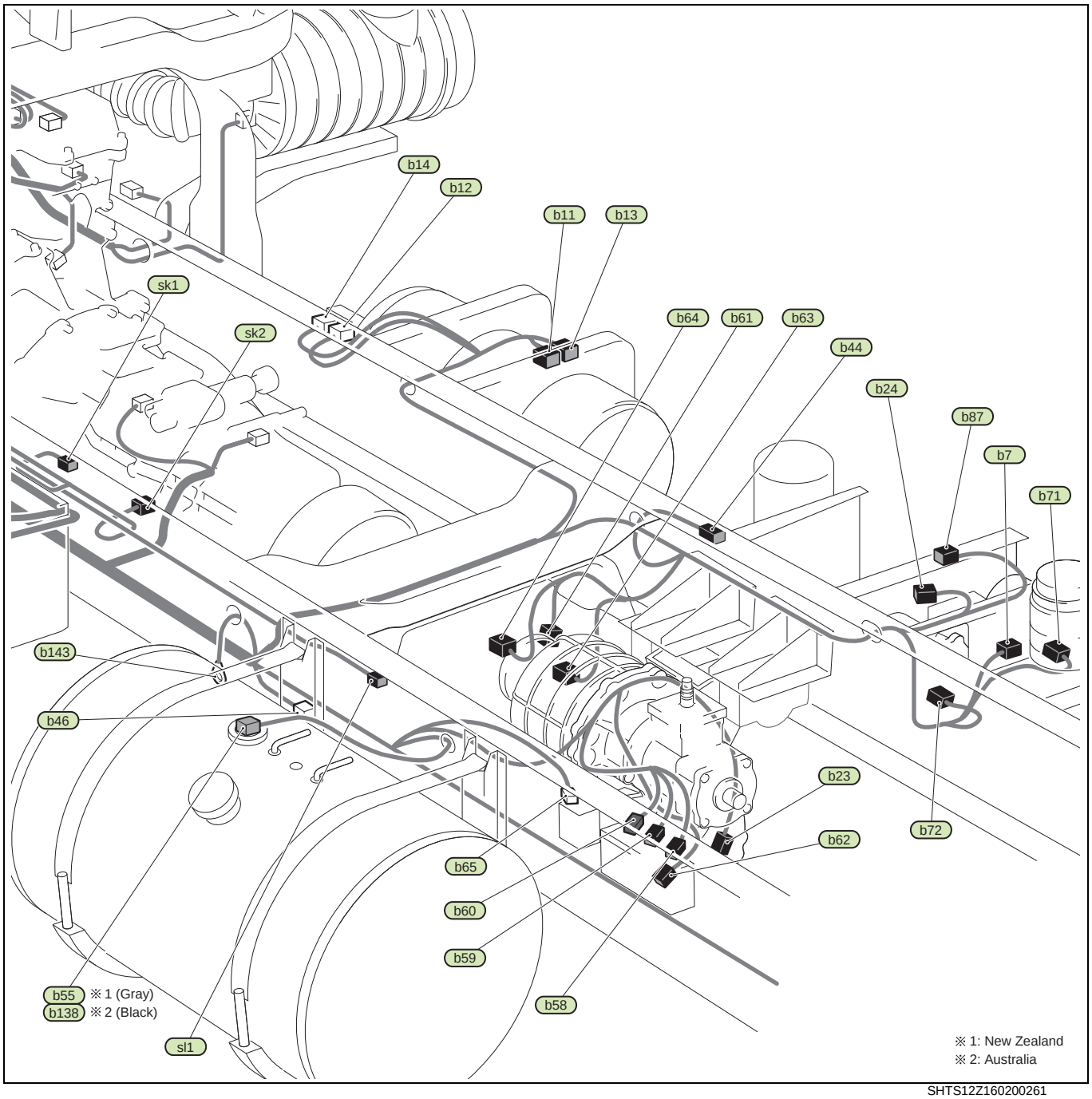
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b22 | Backup light switch | CF | ea6 | Coolant level switch | BA, EN |
| b50 | Neutral switch | AD | ea7 | Earth injector | BA, EN, GD, MA |
| ba1 | Battery (+) terminal (Battery 2) | AA | ea8 | Boost pressure sensor | GD |
| bb1 | Battery (+) terminal (Battery 1) | AA | ec1 | Fuel filter level sensor | BA |
| bb2 | Battery (-) terminal (Battery 2) | AA | ec3 | Fuel temperature sensor | GD |
| bc1 | Battery (-) terminal (Battery 1) | AA | ec4 | SCV (Suction Control Valve) | GD |
| bc2 | Battery ground | AA, BA, LD, MA | ia1 | Fuel injector No.1 | GD |
| ea1 | Engine speed main sensor | GD | ia2 | Fuel injector No.2 | GD |
| ea2 | Engine speed sub sensor | GD | ia3 | Fuel injector No.3 | GD |
| ea3 | Common rail pressure sensor | GD | ia4 | Fuel injector No.4 | GD |
| ea4 | EGR valve 1 | GD | ia5 | Fuel injector No.5 | GD |
| ea5 | EGR valve 2 | GD | ia6 | Fuel injector No.6 | GD |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-ba | Front wiring harness to Battery cable-1 | BA, LD, MA | ea-id | Engine wiring harness-1 to Link-up connector | GD |
| ba-bc | Battery cable-1 to Battery cable-3 | MA | id-ia | Link-up connector to Injector wiring harness | GD |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | BA, GD | | | |

https://truckmanualshub.com/

## EG-44 [ENGINE (3 of 3)] (Models: FT, GT single cab)




SHTS12Z160200261

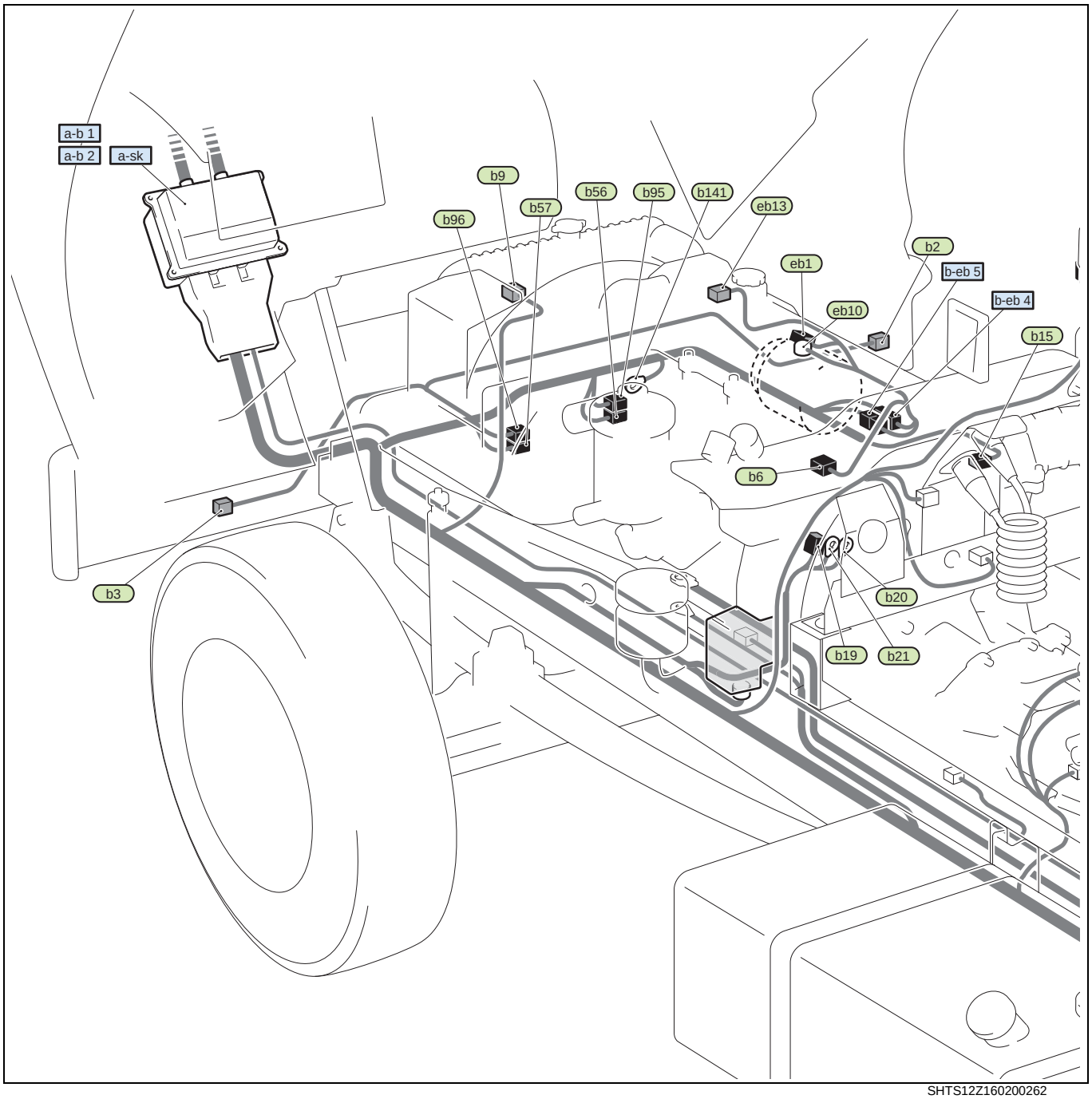
https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b7 | Brake fluid level switch | BB | b61 | High detection switch | LD |
| b11 | Low pressure switch 2 | BB | b62 | Low detection switch | LD |
| b12 | Low pressure switch 3 | BB | b63 | 4WD detection switch | LD |
| b13 | Air gauge sensor (Front) | BB | b64 | Neutral switch | LD |
| b14 | Air gauge sensor (Rear) | BB | b65 | Transfer control magnetic valve (Holding low position) | LD |
| b23 | Vehicle speed sensor | BA | b71 | Brake adjust switch (Front) | BB |
| b24 | Exhaust brake magnetic valve | GF | b72 | Brake adjust switch (Rear) | BB |
| b44 | Air dryer heater | LF | b87 | Hydraulic unit | HA |
| b46 | Service power (Tail) | AB | b138 | Fuel gauge sender unit | BA |
| b55 | Fuel gauge sender unit | BA | b143 | Earth rear axle | BB, BC, CD, CF, CH, EE, EM, HA, JA, LD, LF, MA |
| b58 | Transfer control magnetic valve (Holding) | LD | sk1 | P.T.O. position switch | KA |
| b59 | Transfer control magnetic valve (4WD/2WD change) | LD | sk2 | P.T.O. magnetic valve | KA |
| b60 | Transfer control magnetic valve (High/Low change) | LD | sl1 | P.T.O. accelerator sensor | GL |

https://truckmanualshub.com/

## EG-45 [ENGINE (1 of 3)] (Model: SG)




SHTS12Z160200262

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

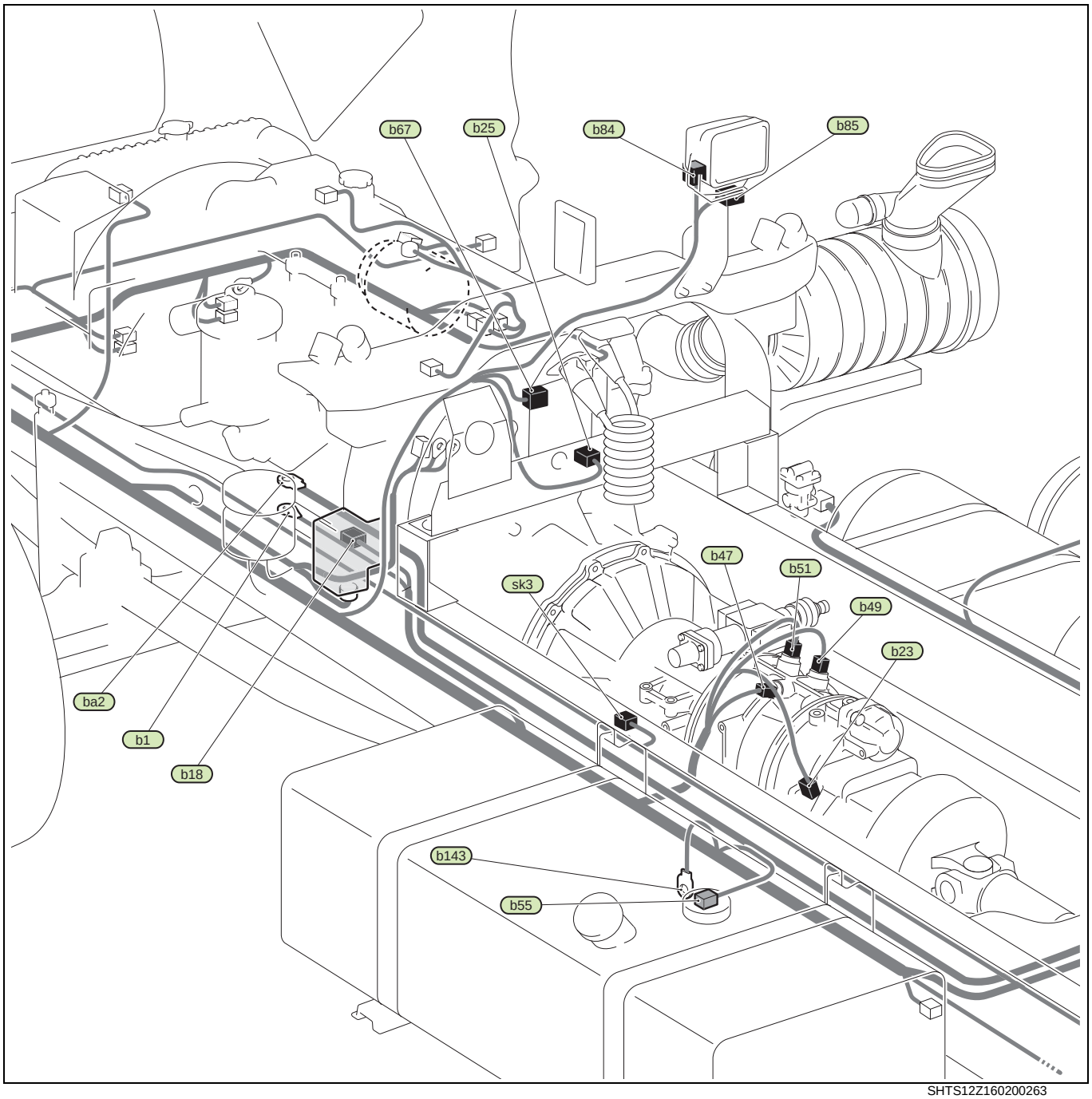
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b2 | Headlight RH | CA | b56 | Horn (High) (Terminal B) | EE |
| b3 | Headlight LH | CA | b57 | Horn (Low) (Terminal B) | EE |
| b6 | Air conditioner compressor | FA | b95 | Horn (High) (Terminal L) | EE |
| b9 | Coolant level switch | BE | b96 | Horn (Low) (Terminal L) | EE |
| b15 | Oil pressure switch | BE | b141 | Earth No.1 crossmember | BE, CF, CK, EE, GG, MA |
| b19 | Starter relay (Coil) | AD | eb1 | Alternator (Terminals L, R) | AH |
| b20 | Starter relay (Terminal B) | AD | eb10 | Alternator (Terminal B) | AH |
| b21 | Starter relay (Terminal C) | AD | eb13 | Coolant temperature gauge sender unit | BE |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | AA, AB, AD, AH, BD, BE, BG, CA, CB, CF, CI, GG, IA, LE, MA | b-eb 4 | Front wiring harness to Engine wiring harness-2_4 | AH, BE |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | AA, AD, BD, BE, CB, CK, EE, FA, KB, LE, MA | b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | AH |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | KB | | | |

https://truckmanualshub.com/

## EG-46 [ENGINE (2 of 3)] (Model: SG)



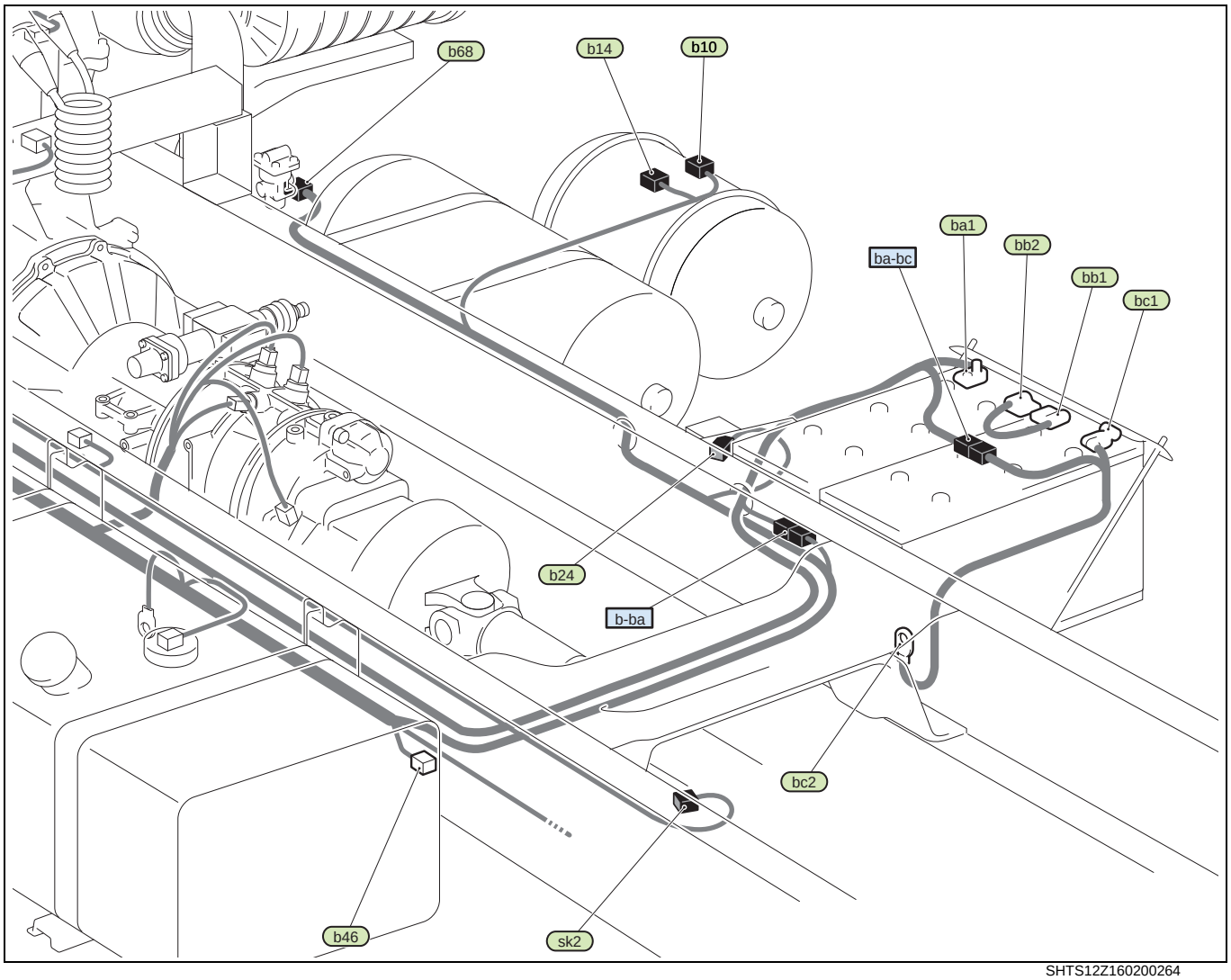

SHTS12Z160200263

### ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b1 | Starter (Terminal B) | AD | b55 | Fuel gauge sender unit | BE |
| b18 | Starter (Terminal C) | AD | b67 | Trailer socket | CB, LE |
| b23 | Vehicle speed sensor | BE | b84 | Spot light | CK |
| b25 | Tachometer sensor | BE | b85 | Spot light switch | CK |
| b47 | Range Lo switch | IA | b143 | Earth rear axle | BE, CF, CK, EE, GG, LE, MA |
| b49 | Neutral switch | AD | ba2 | Starter (Terminal B) | AD |
| b51 | Backup light switch | CF | sk3 | P.T.O. position switch | KB |

https://truckmanualshub.com/

## EG-47 ENGINE (3 of 3)] (Model: SG)




SHTS12Z160200264

### ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b10 | Low pressure switch 1 | BE | bb1 | Battery (+) terminal (Battery 1) | AA |
| b14 | Air gauge sensor | BE | bb2 | Battery (-) terminal (Battery 2) | AA |
| b24 | Exhaust brake magnetic valve | GG | bc1 | Battery (-) terminal (Battery 1) | AA |
| b46 | Service power (Tail) | AB | bc2 | Battery ground | AA, BE, BG, MA |
| b68 | Trailer stop light switch | CB | sk2 | P.T.O. magnetic valve | KB |
| ba1 | Battery (+) terminal (Battery 2) | AA | | | |

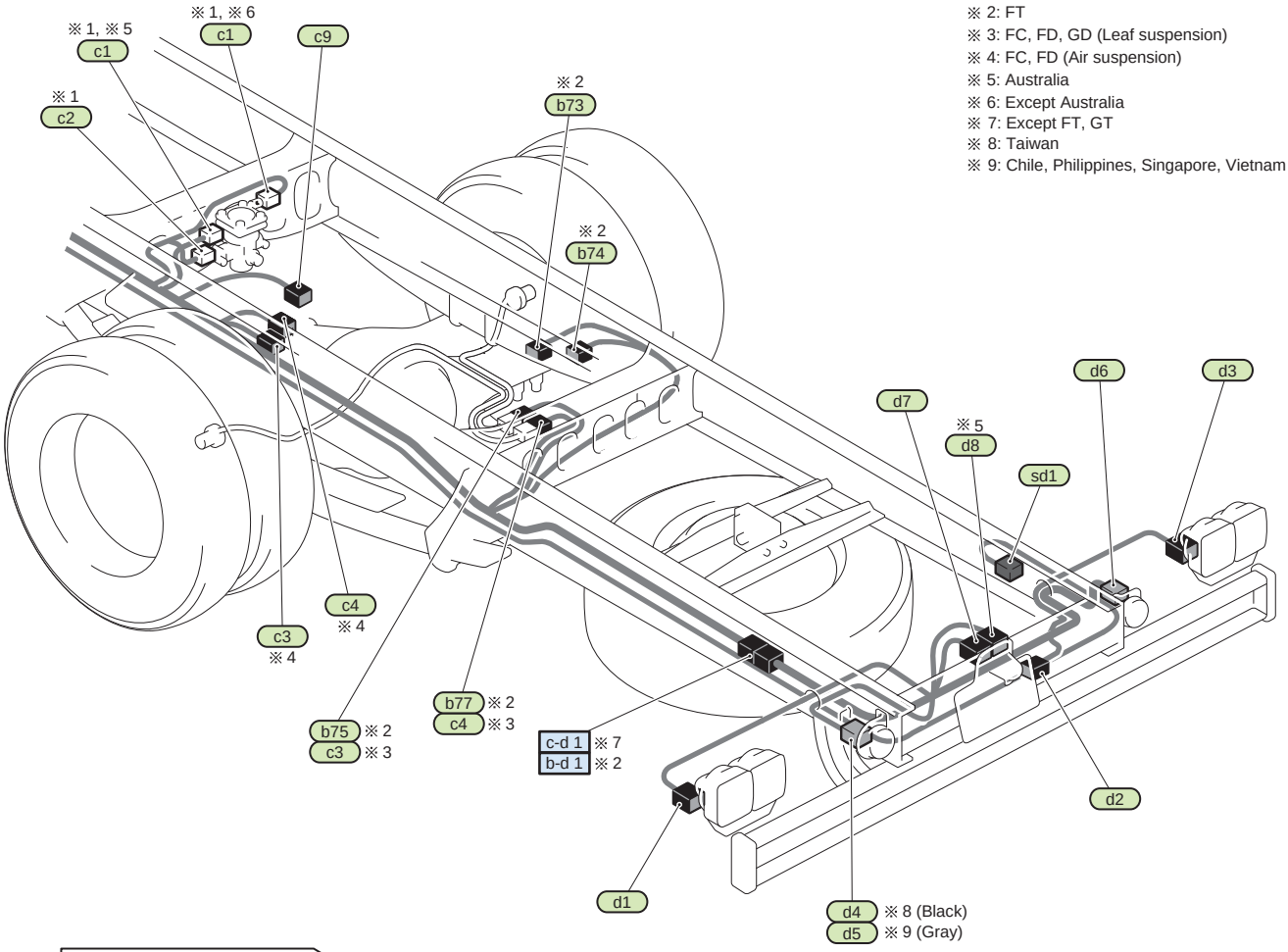
### WIRE TO WIRE CONNECTOR

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b-ba | Front wiring harness to Battery cable-1 | BE, BG, MA | ba-bc | Battery cable-1 to Battery cable-3 | MA |

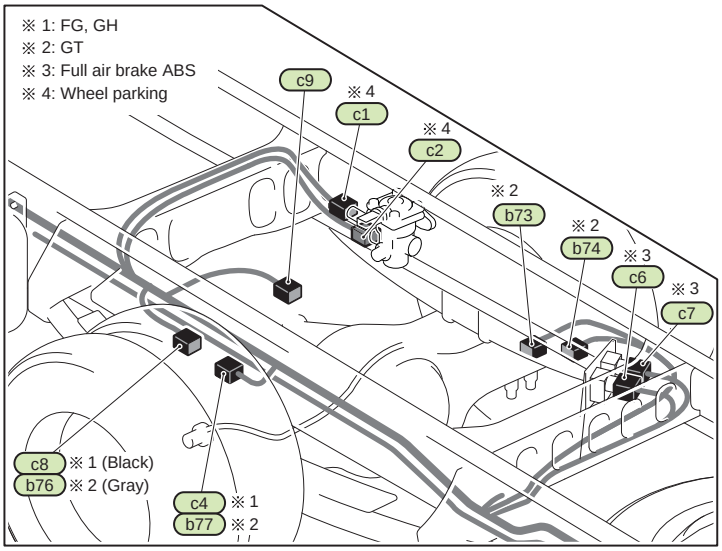
https://truckmanualshub.com/

## RR-1 (REAR) (Models: FC, FD, GD, FG, GH)

※ 1: Wheel parking FD, GD
※ 2: FT
※ 3: FC, FD, GD (Leaf suspension)
※ 4: FC, FD (Air suspension)
※ 5: Australia
※ 6: Except Australia
※ 7: Except FT, GT
※ 8: Taiwan
※ 9: Chile, Philippines, Singapore, Vietnam




※ 1: FG, GH
※ 2: GT
※ 3: Full air brake ABS
※ 4: Wheel parking




MODELS: FG, GH, GT

SHTS12Z160200265

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b73 | Buzzer cancel switch | BC | c8 | Wheel sensor (Rear RH) | HB |
| b74 | Spring brake switch | BC | c9 | Vehicle height sensor (Rear) | CJ |
| b75 | Wheel sensor (Rear RH) | HA | d1 | Rear combination light LH | CB, CC, EM |
| b76 | Wheel sensor (Rear RH) | HA | d2 | Back buzzer | CF |
| b77 | Wheel sensor (Rear LH) | HA | d3 | Rear combination light RH | CB, CC, EM |
| c1 | Buzzer cancel switch | BC | d4 | Backup light 1<br>[Direct coupled type (Taiwan)] | CF |
| c2 | Spring brake switch | BC | d5 | Backup light 2 | CF |
| c3 | Wheel sensor (Rear RH) | HA | d6 | Backup light 1<br>[Lead wire type (Except Taiwan)] | CF |
| c4 | Wheel sensor (Rear LH) | HA, HB | d7 | License plate light 1 | CF |
| c6 | Modulator (Rear LH) | HB | d8 | License plate light 2 | CF |
| c7 | Modulator (Rear RH) | HB | sd1 | Brake lock buzzer | HD |

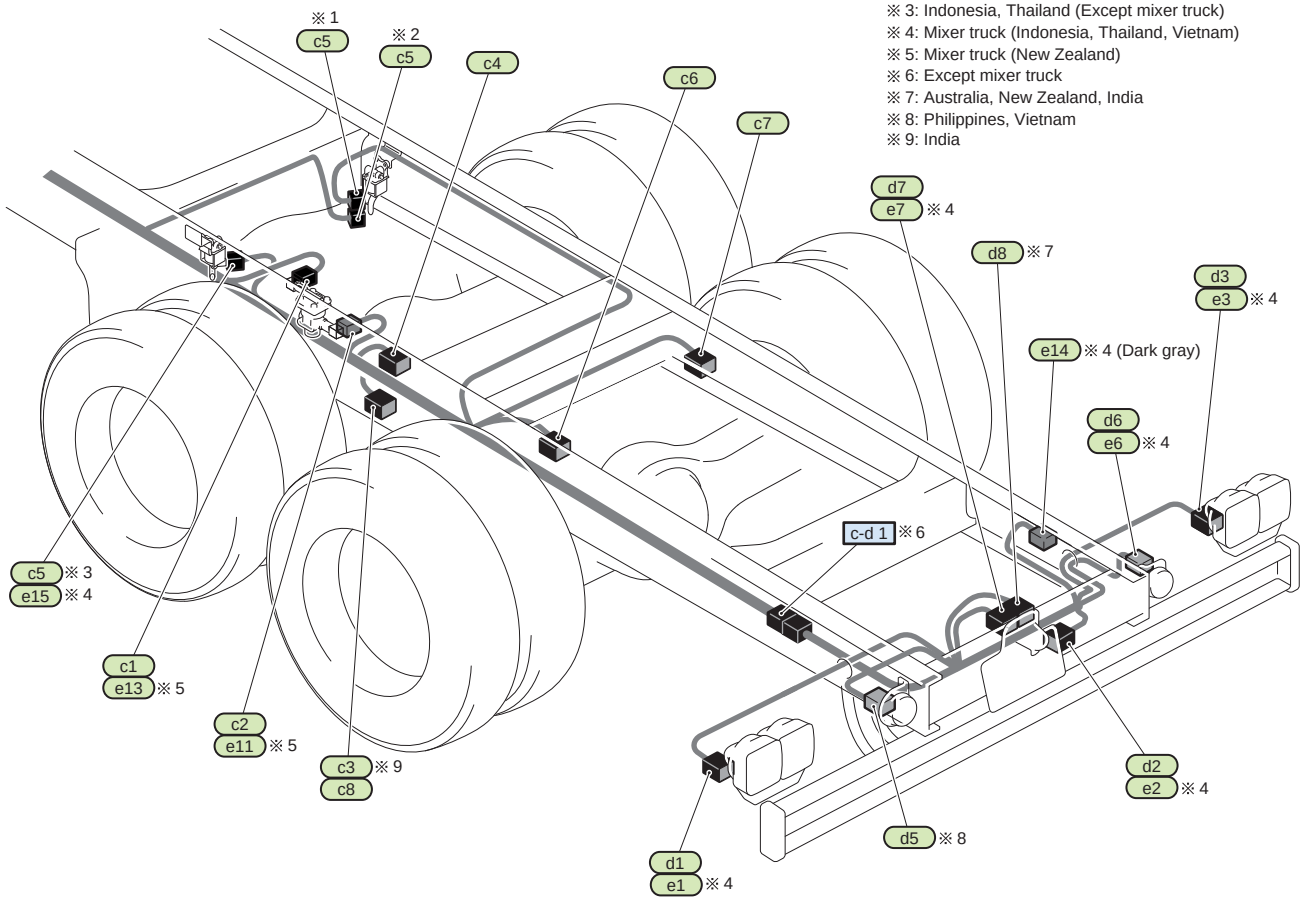
**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| c-d 1 | Intermediate wiring harness to Rear wiring harness 1 | BC, CA, CB, CC, CF, EM, HB, MA | b-d 1 | Front (+Intermediate) wiring harness to Rear wiring harness 1 | CD, CH, EM, MA |

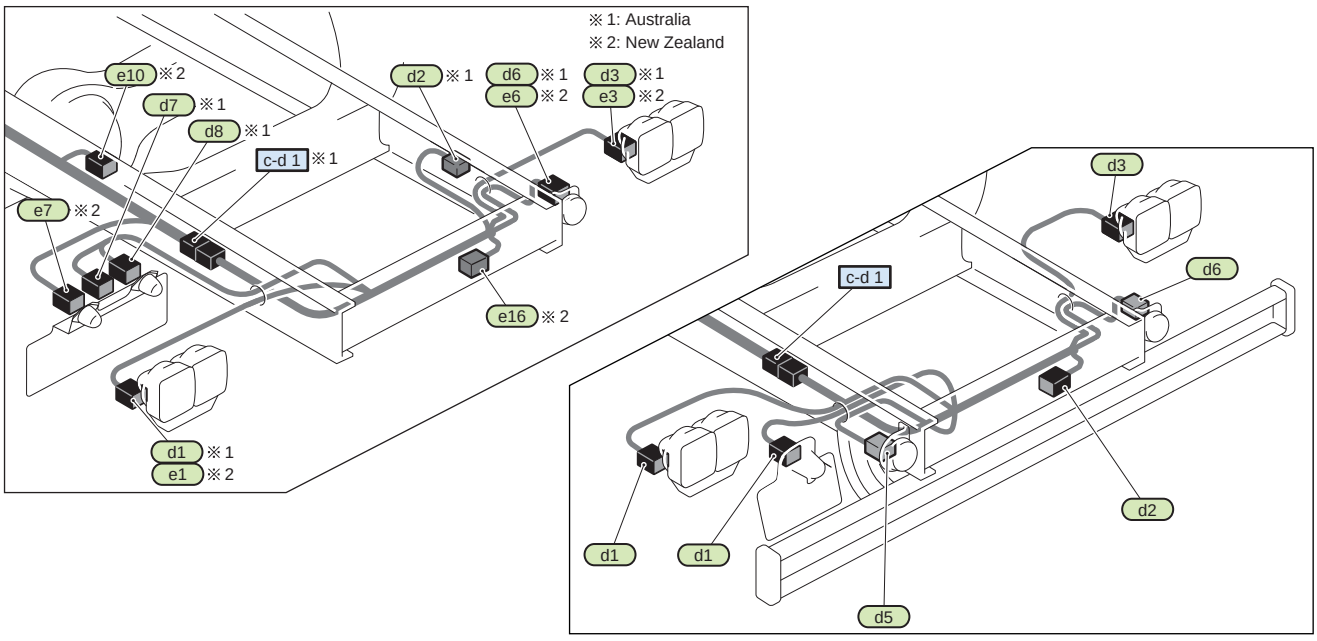
https://truckmanualshub.com/

## RR-2 (REAR) [Models: FL, FM (Except tractor)]

※ 1: FM (Leaf suspension) (Except Indonesia, Thailand)
※ 2: FM (Air suspension)
※ 3: Indonesia, Thailand (Except mixer truck)
※ 4: Mixer truck (Indonesia, Thailand, Vietnam)
※ 5: Mixer truck (New Zealand)
※ 6: Except mixer truck
※ 7: Australia, New Zealand, India
※ 8: Philippines, Vietnam
※ 9: India




MODELS: MIXER TRUCK (AUSTRALIA, NEW ZEALAND)




MODEL: CHILE

SHTS12Z160200266

https://truckmanualshub.com/

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

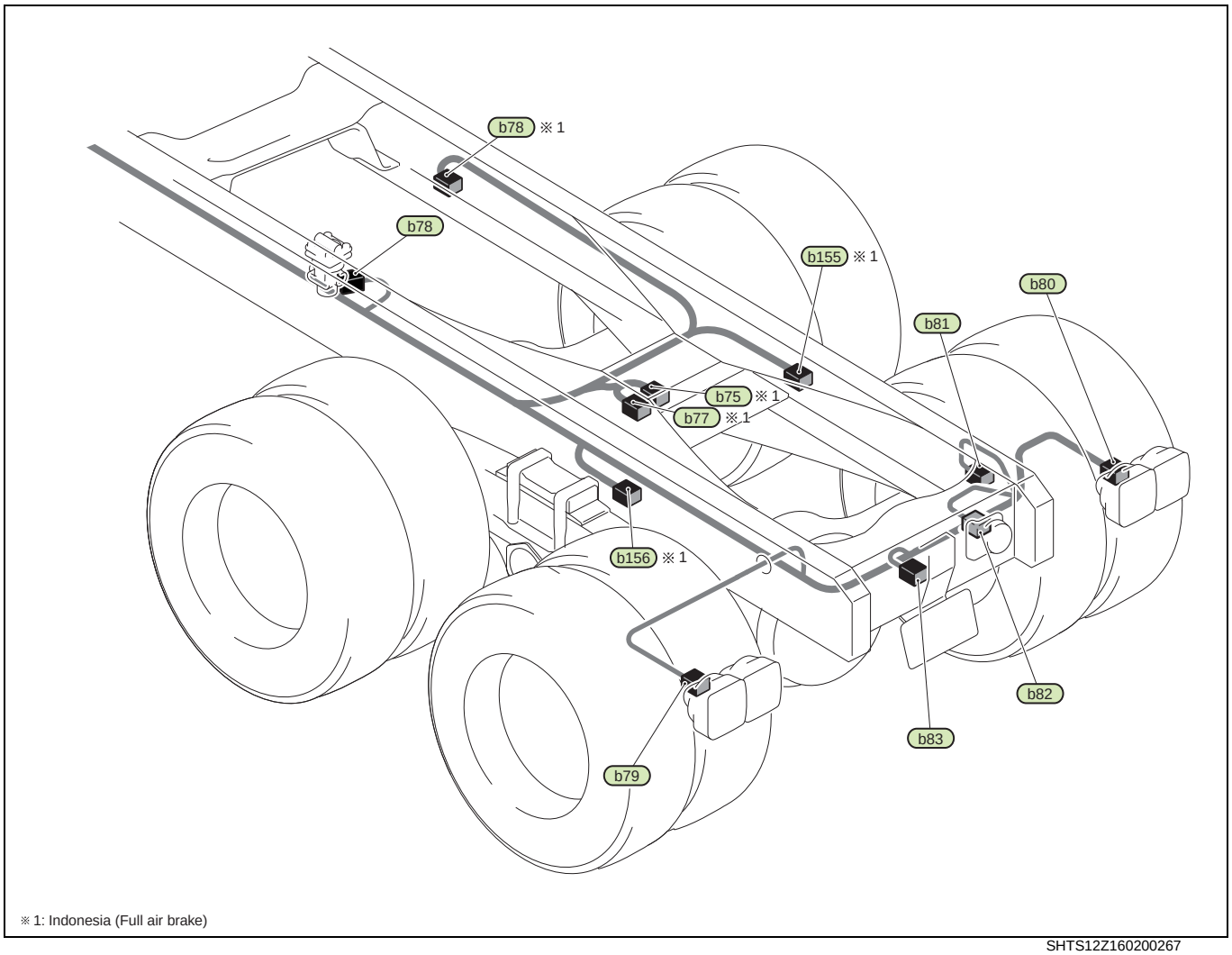
| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| c1 | Buzzer cancel switch | BC | d8 | License plate light 2 | CF |
| c2 | Spring brake switch | BC | e1 | Rear combination light LH | CD |
| c4 | Wheel sensor (Rear LH) | HB | e2 | Back buzzer | CH |
| c5 | Differential lock magnetic valve | HF | e3 | Rear combination light RH | CD |
| c6 | Modulator (Rear LH) | HB | e6 | Backup light 1 | CH |
| c7 | Modulator (Rear RH) | HB | e7 | License plate light 1 | CH |
| c8 | Wheel sensor (Rear RH) | HB | e10 | Trailer stop light switch | CD |
| d1 | Rear combination light LH | CB, EM | e11 | Spring brake switch | BC |
| d2 | Back buzzer | CF | e13 | Buzzer cancel switch | BC |
| d3 | Rear combination light RH | CB, EM | e14 | Brake lock buzzer | HD |
| d5 | Backup light 2 | CF | e15 | Differential lock magnetic valve | HF |
| d6 | Backup light 1 | CF | e16 | Trailer socket | LE |
| d7 | License plate light 1 | CF | | | |

**WIRE TO WIRE CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| c-d 1 | Intermediate wiring harness to Rear wiring harness 1 | BC, CA, CB, CF, EM, HB, HF, MA | | | |

https://truckmanualshub.com/

## RR-3 (REAR) (Model: FM tractor)




※1: Indonesia (Full air brake)

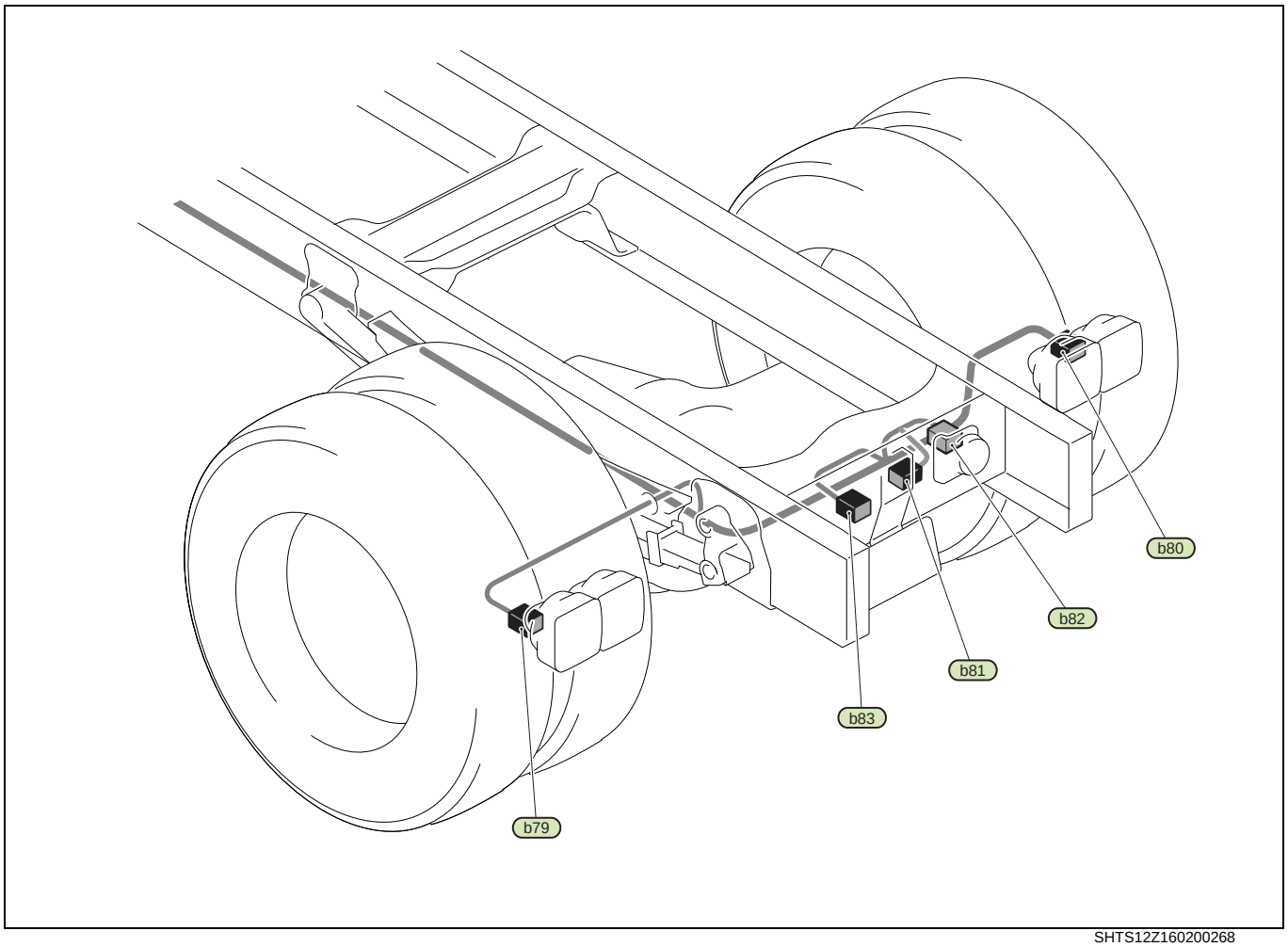
SHTS12Z160200267

### ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b75 | Wheel sensor (Rear RH) | HA | b81 | Back buzzer | CF |
| b77 | Wheel sensor (Rear LH) | HA | b82 | Backup light | CF |
| b78 | Differential lock magnetic valve | HF | b83 | License plate light | CF |
| b79 | Rear combination light LH | CB | b155 | Modulator (Rear RH) | HB |
| b80 | Rear combination light RH | CB | b156 | Modulator (Rear LH) | HB |

https://truckmanualshub.com/

## RR-4 (REAR) (Model: SG)




SHTS12Z160200268

**ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR**

| No. | Name | Circuit | No. | Name | Circuit |
|---|---|---|---|---|---|
| b79 | Rear combination light LH | CB | b82 | Backup light | CF |
| b80 | Rear combination light RH | CB | b83 | License plate light | CF |
| b81 | Back buzzer | CF | | | |

https://truckmanualshub.com/

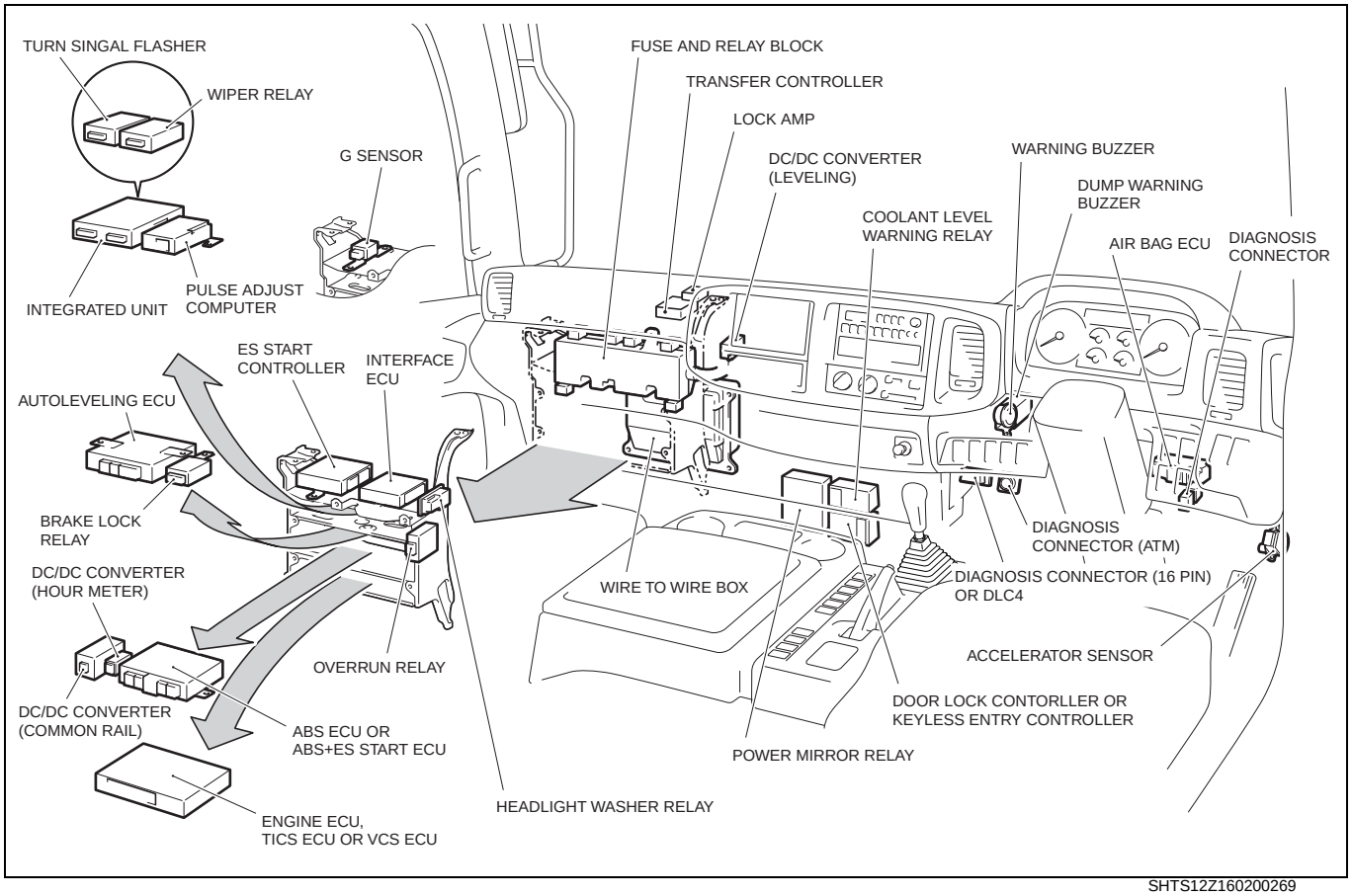
# RELAY LOCATION

EN12Z1602J100007

**NOTICE**
**There is a case that the following figures are different from that for your vehicle in the devices locations due to the model or specification.**

## INSTRUMENT PANEL

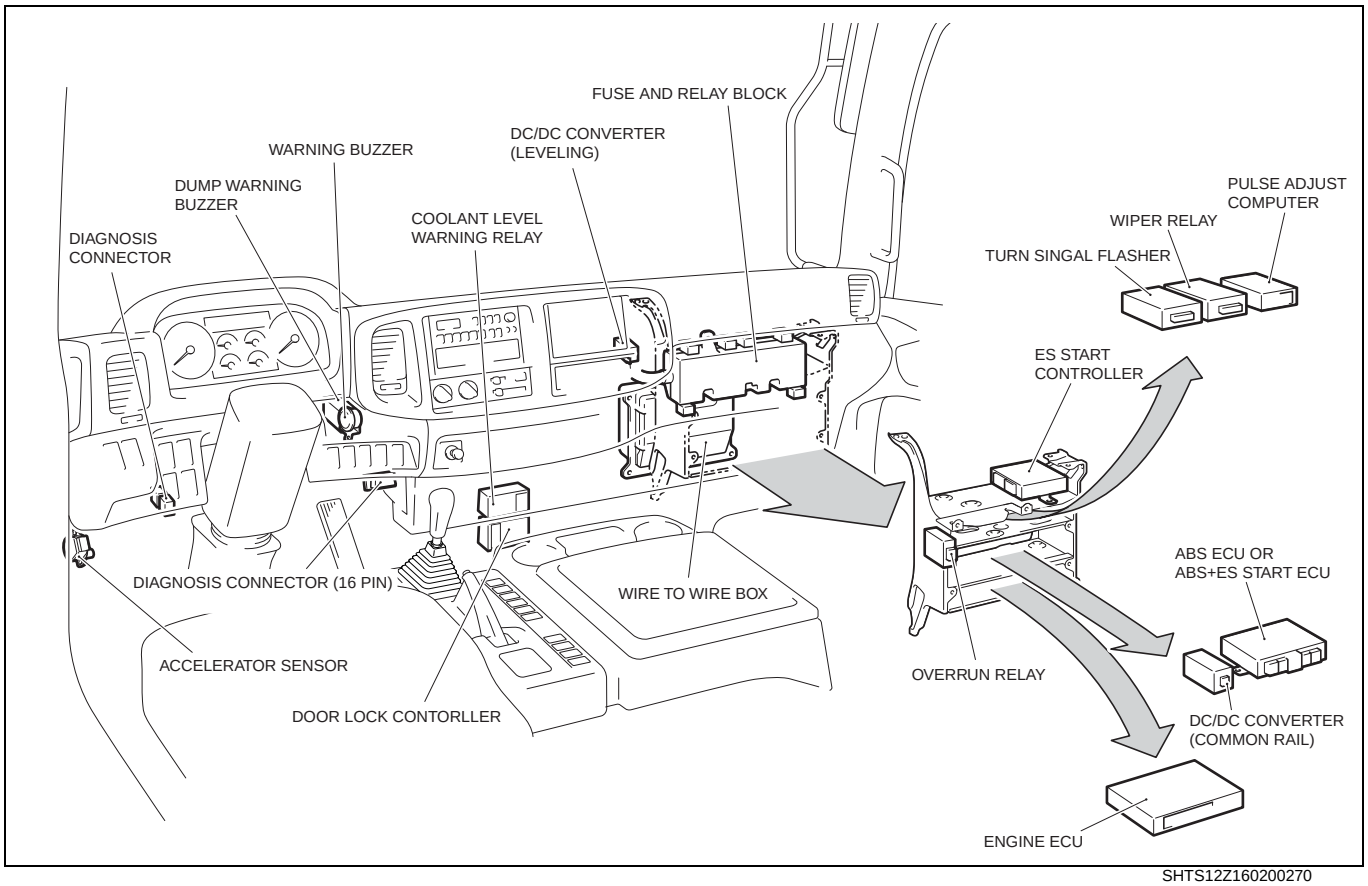
- **RIGHT-HAND DRIVE MODEL**




SHTS12Z160200269

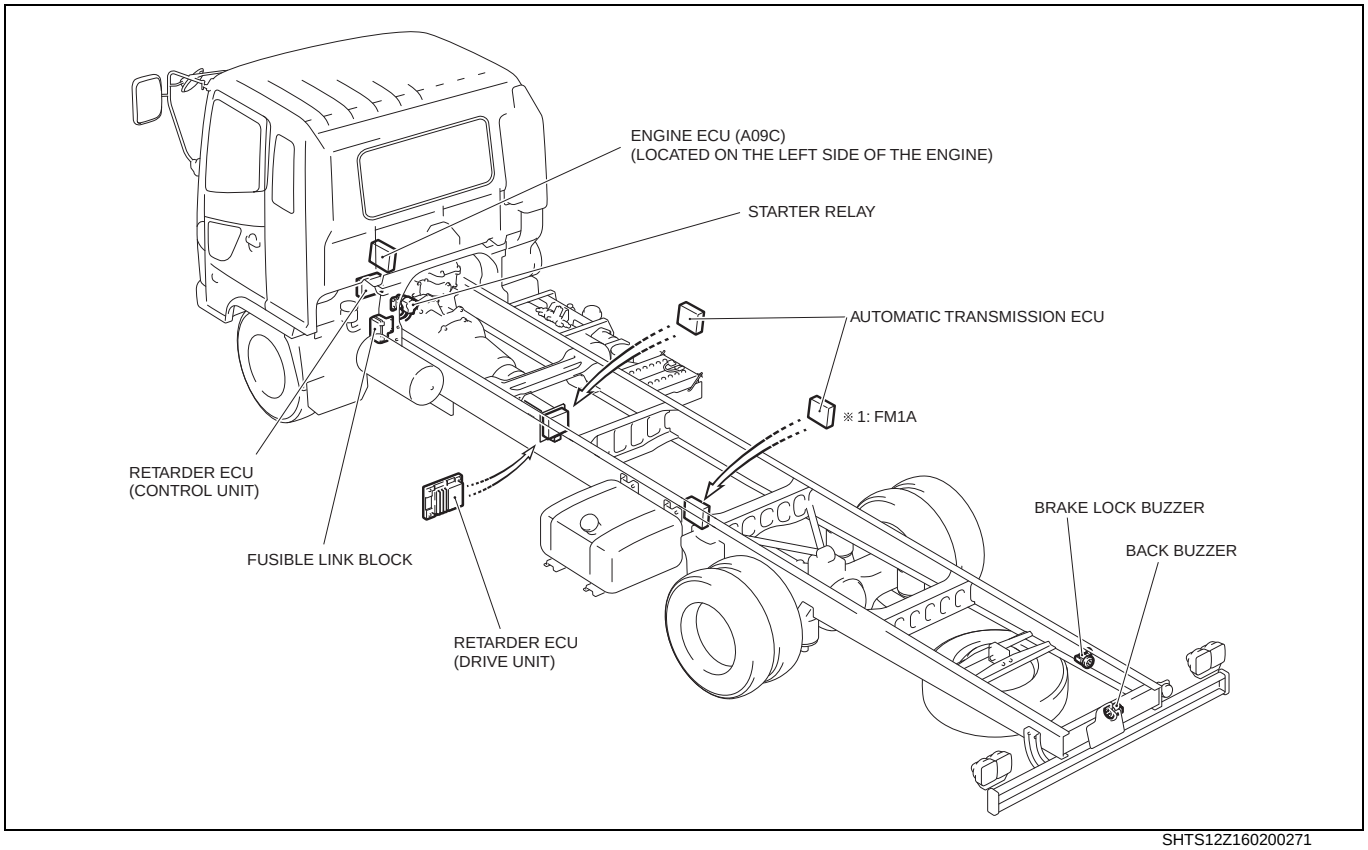
https://truckmanualshub.com/

- **LEFT-HAND DRIVE MODEL**




SHTS12Z160200270

## CHASSIS




SHTS12Z160200271

https://truckmanualshub.com/

# FUSE AND RELAY BLOCK

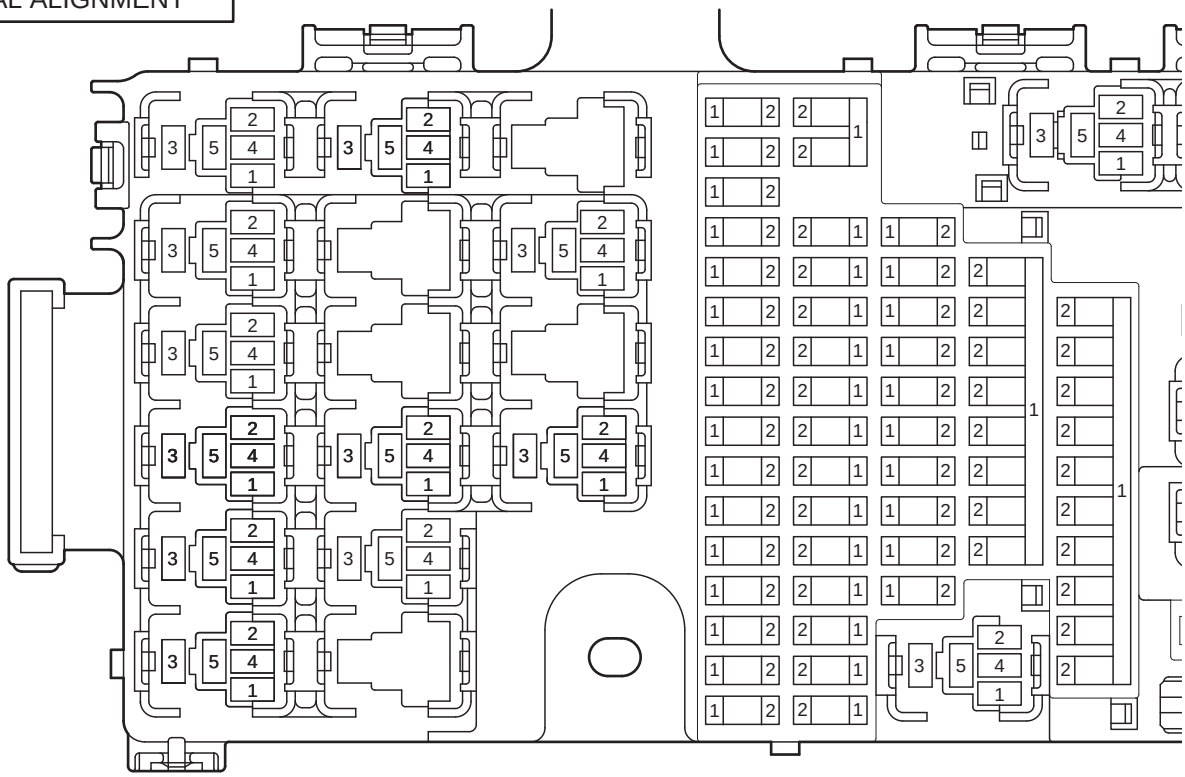
EN12Z1602J100008

**NOTICE**

**There is a case that the following figures are different from that for your vehicle due to the model or specification.**

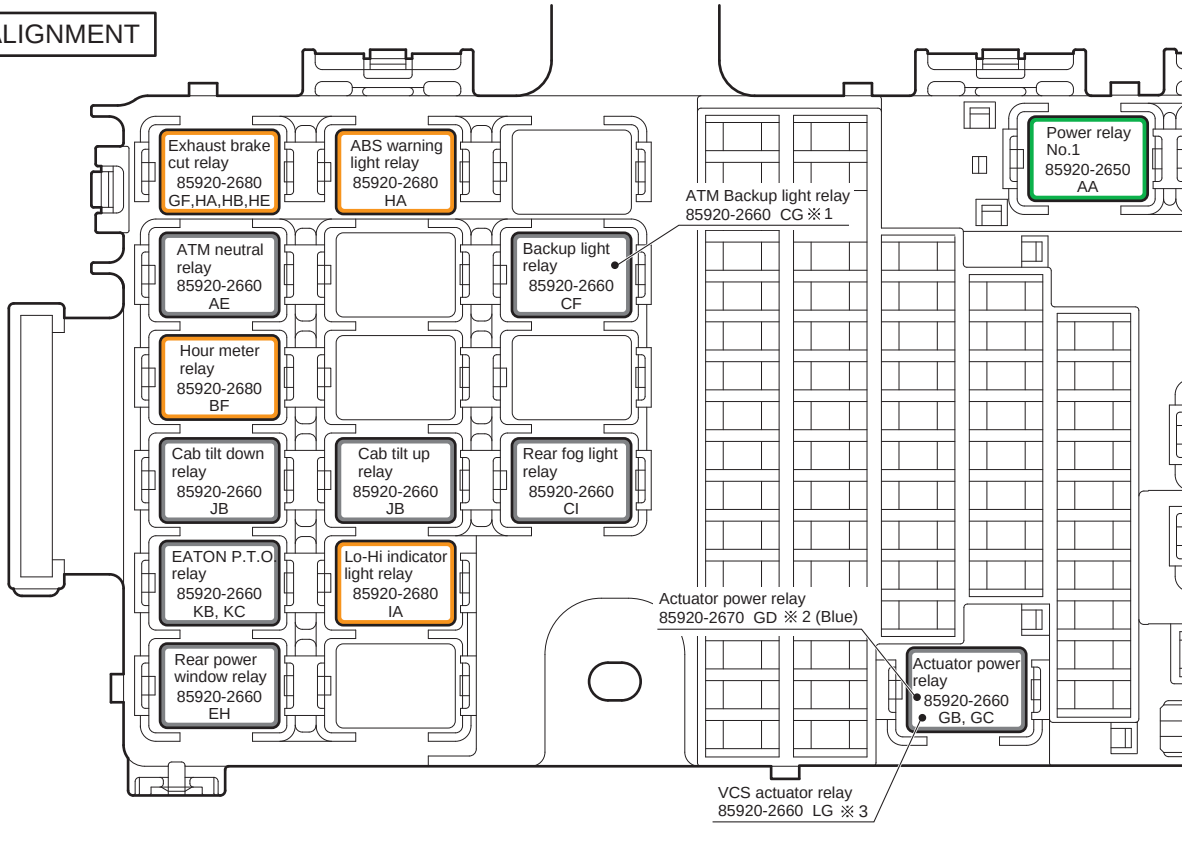
## RIHGT-HAND DRIVE MODEL

FUSE AND RELAY BLOCK
TERMINAL ALIGNMENT



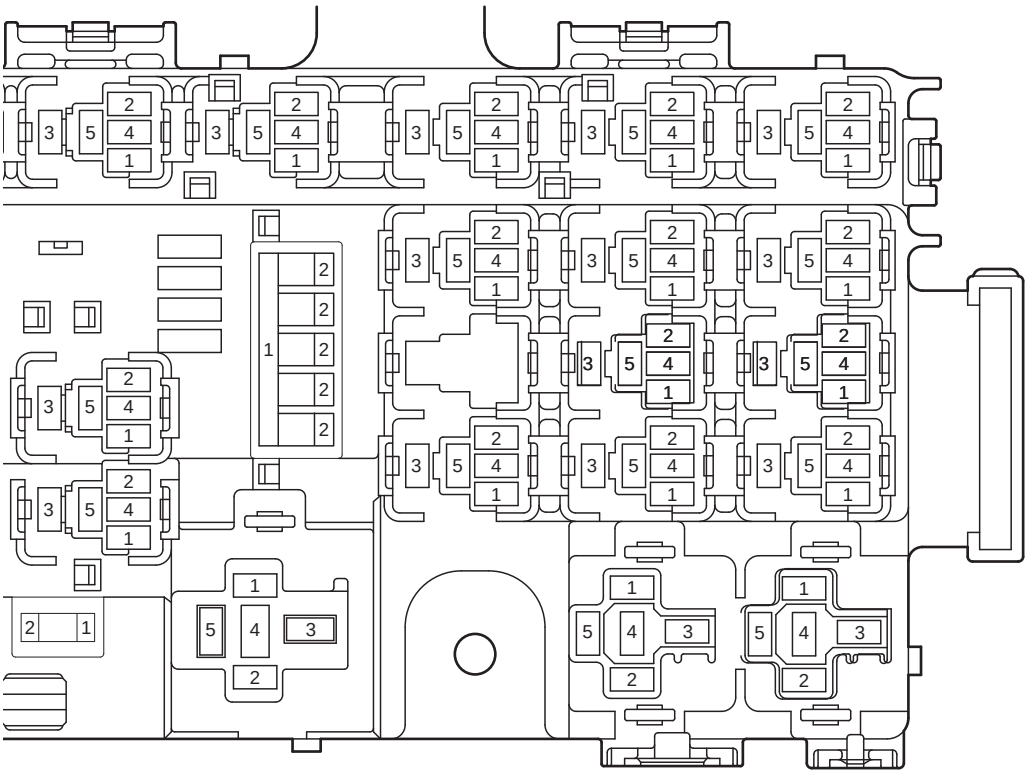
※ 1: Automatic transmission
※ 2: FM2P (P11C)
※ 3: FM1A (A09C)

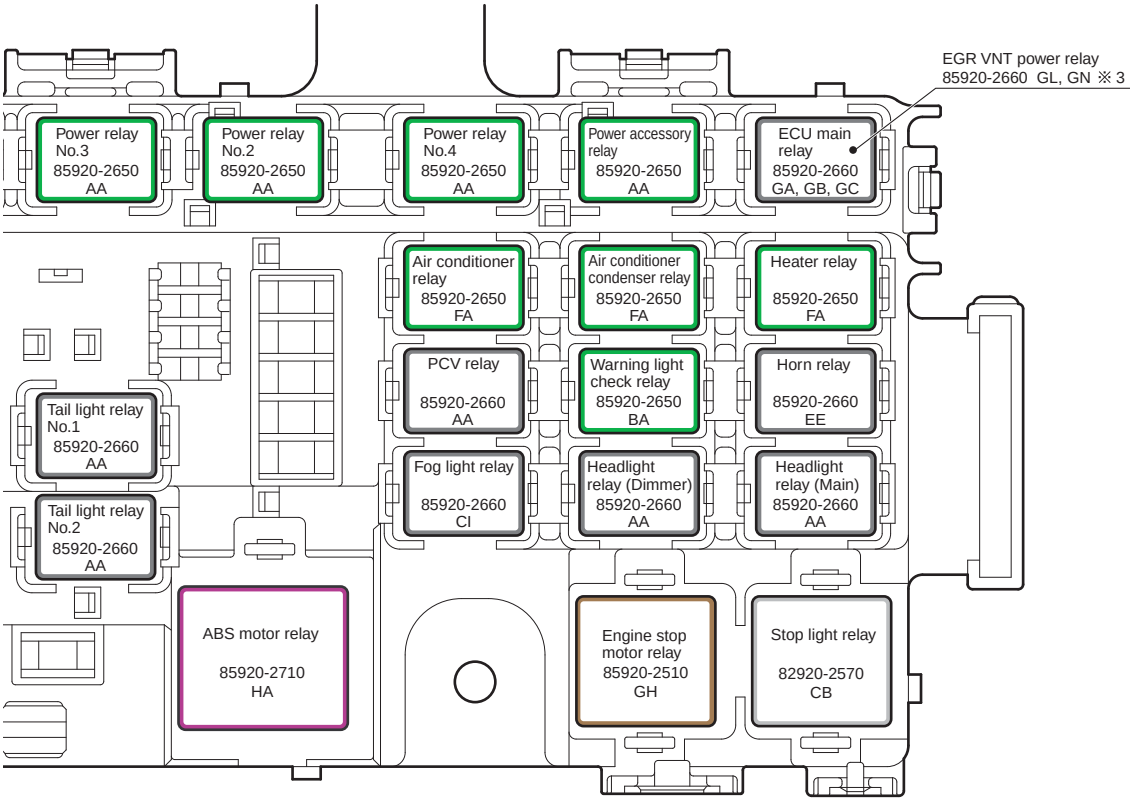
RELAY ALIGNMENT




SHTS12Z160200272

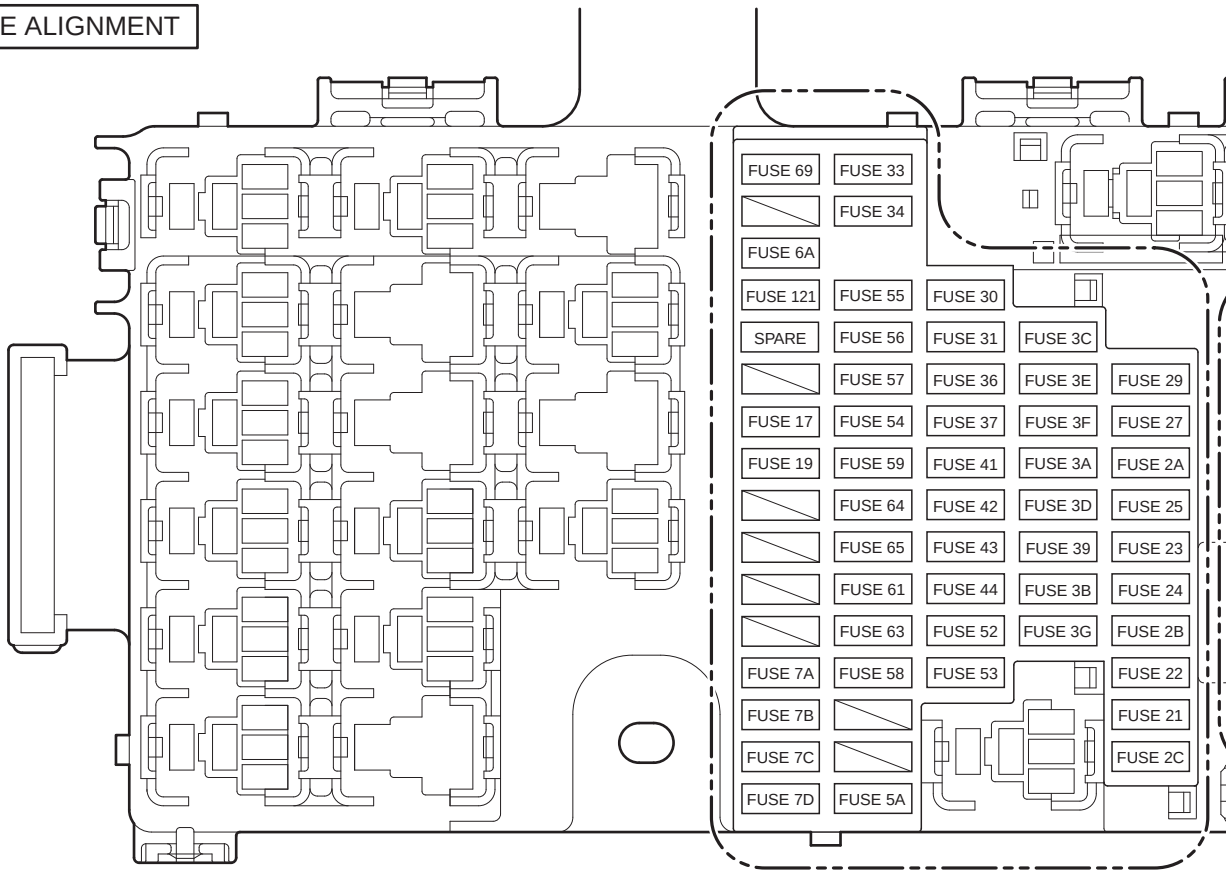
https://truckmanualshub.com/





https://truckmanualshub.com/

## FUSE ALIGNMENT




| | |
|---|---|
| A/C fan | 10A |
| | |
| Power window RR | 20A |
| ABS | 30A |
| Spare fuse | 30A |
| | |
| PCV 1 | 10A |
| PCV 2 | 10A |
| | |
| | |
| | |
| | |
| VCS actuator | 10A |
| VCS main | 10A |
| EDC7 actuator | 10A |
| EDC7 ECU (MAIN) | 20A |

| | |
|---|---|
| Headlight dimmer relay | 5A |
| Headlight main relay | 5A |
| Pre-heat timer, Brake lock | 15A |
| Power mirror | 10A |
| Back-up light | 10A |
| Engine light | 10A |
| Engine light ※3 | 15A |
| Headlight cleaner | 10A |
| Spare (P-IGN) | 10A |
| Power take off | 10A |
| Engine actuator | 10A |
| Transfer control, ATM | 10A |
| Mirror heater | 15A |
| | |
| | |
| Retarder brake | 5A |

| | |
|---|---|
| Starter switch | 10A |
| Starter relay | 10A |
| Radio, Cigarertte lighter | 10A |
| Spare (P-ACC) | 10A |
| Headlight main RH | 10A |
| Headlight main LH | 10A |
| Headlight Dimmer RH | 10A |
| Headlight Dimmer LH | 10A |
| Tail light, Cornering light | 10A |
| Spare (P-Tail) | 10A |

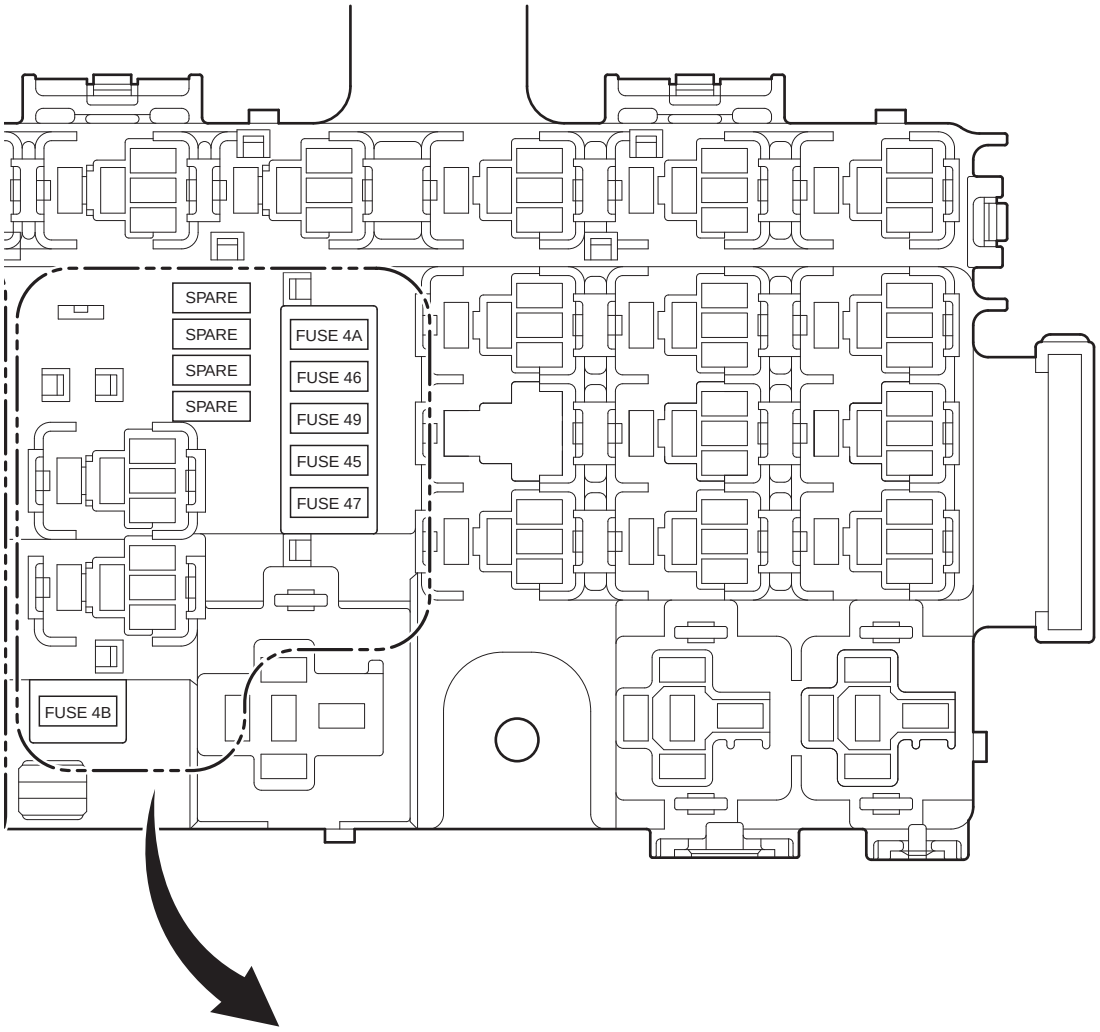
| | |
|---|---|
| Meter | 10A |
| ABS | 10A |
| Generator | 10A |
| Air bag 1 | 5A |
| Air bag 2 | 5A |
| Engine ECU | 5A |
| ES start | 5A |
| Engine stop relay | 5A |

| | |
|---|---|
| Power window | 20A |
| ABS | 15A |
| Spare (P-Battery) | 15A |
| Room light, DST-1 | 15A |
| Radio,Tachograph | 10A |
| Flasher | 10A |
| Parking light | 10A |
| Engine ECU | 10A |
| Engine stop ※1 | 10A |
| Engine actuator ※2 | 15A |
| ES start, ATM | 10A |

※1: Indonesia
※2: Except Indonesia
※3: A09C

SHTS12Z160200274

https://truckmanualshub.com/




| | |
|---|---|
| Spare fuse | 5A |
| Spare fuse | 10A |
| Spare fuse | 15A |
| Spare fuse | 20A |

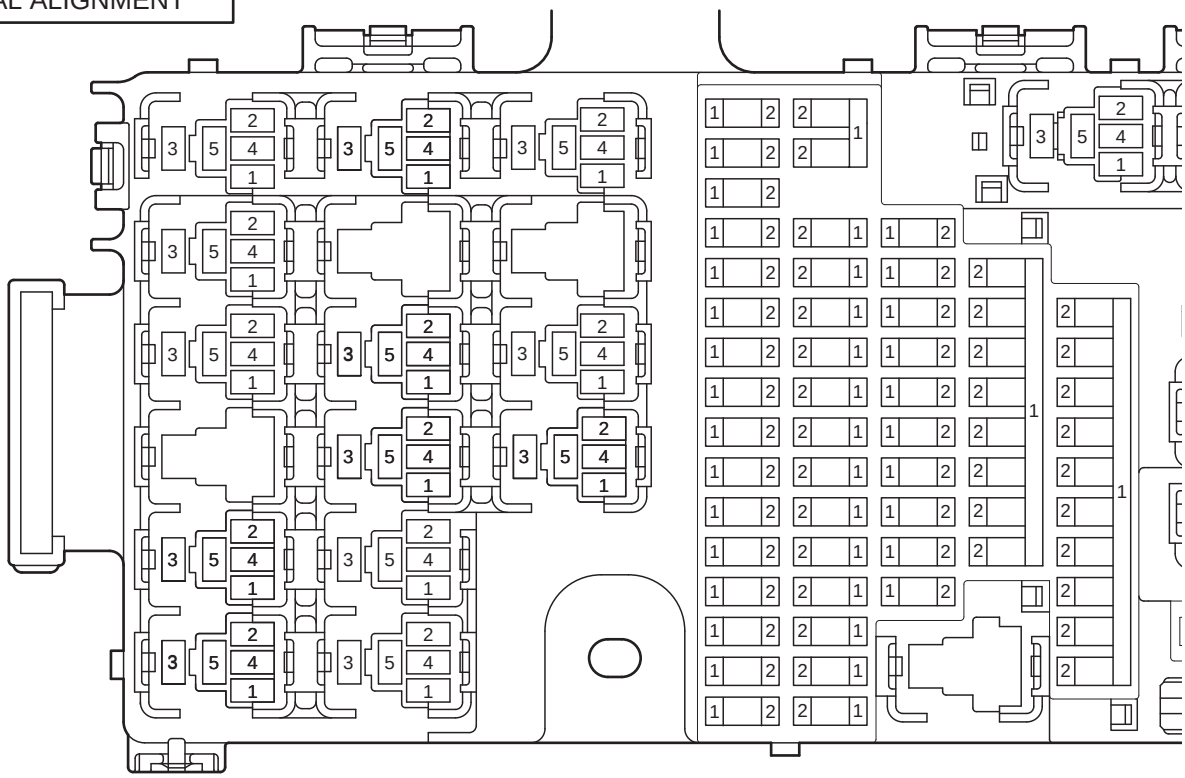
| | |
|---|---|
| Heater | 15A |
| Wiper | 10A |
| Stop light | 10A |
| Horn | 5A |
| Exhaust brake | 5A |

| | |
|---|---|
| Air conditioner | 15A |

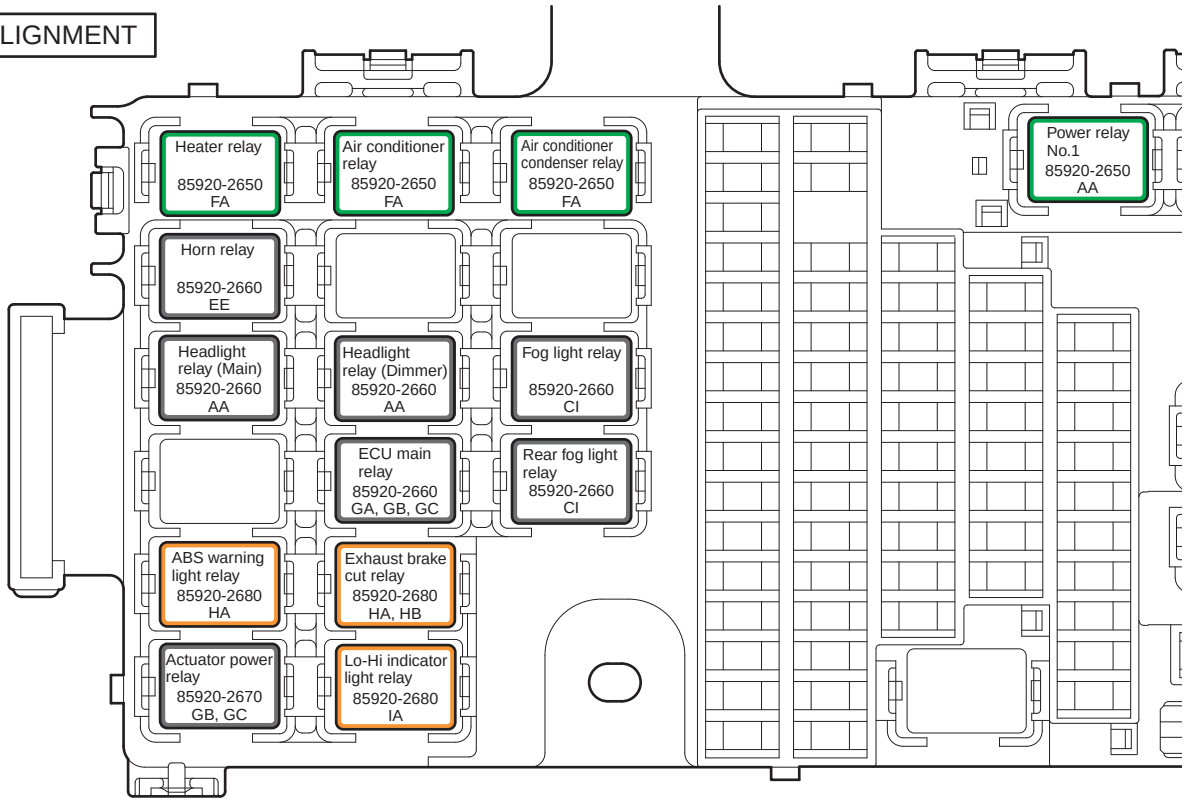
https://truckmanualshub.com/

## LEFT-HAND DRIVE MODEL

FUSE AND RELAY BLOCK TERMINAL ALIGNMENT

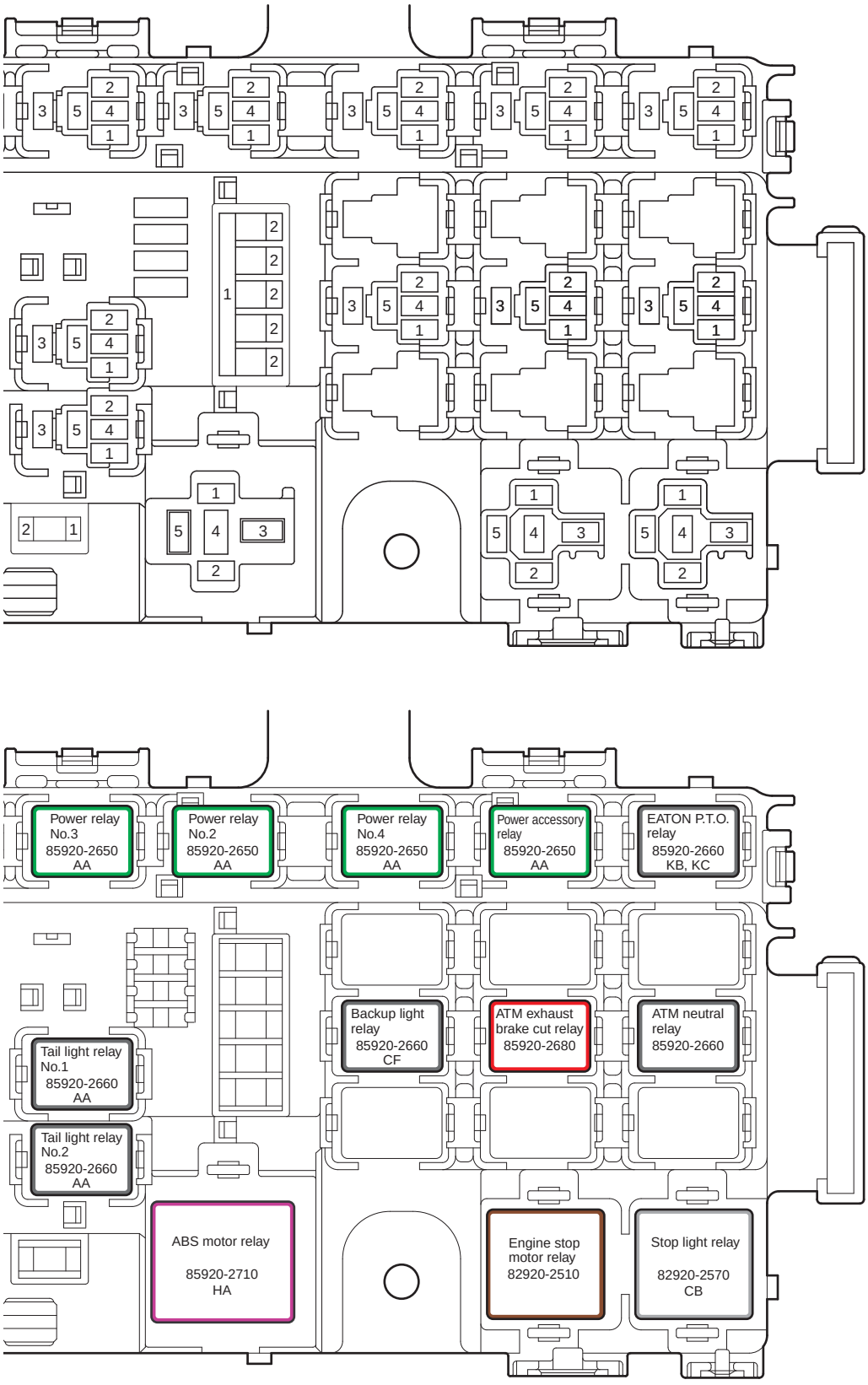


RELAY ALIGNMENT




SHTS12Z160200276

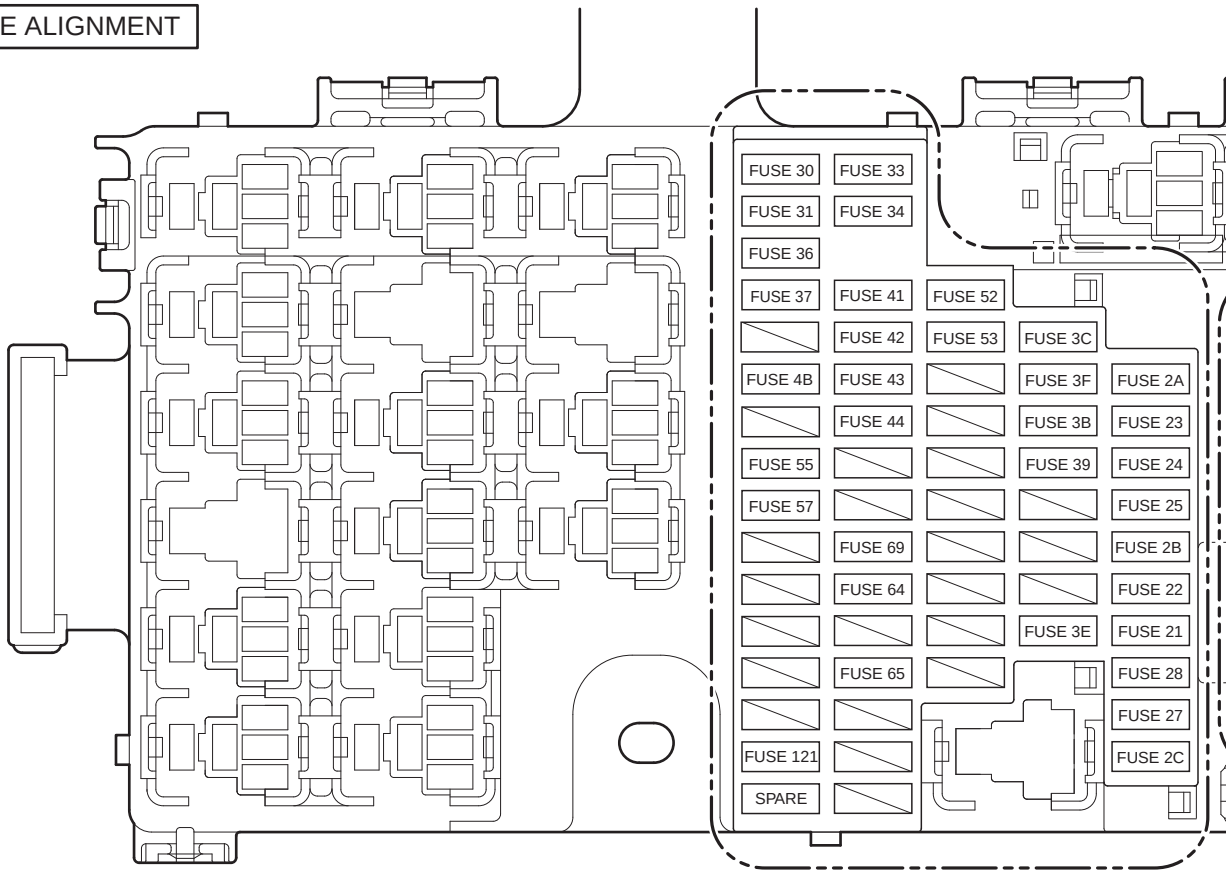
https://truckmanualshub.com/




SHTS12Z160200277

https://truckmanualshub.com/

## FUSE ALIGNMENT




| | |
|---|---|
| Starter switch | 10A |
| Starter relay | 10A |
| Radio, Cigarertte lighter | 10A |
| Spare (P-ACC) | 10A |
| | |
| Air conditioner | 15A |
| | |
| Pre-heat timer, Brake lock | 15A |
| Back-up light | 10A |
| | |
| | |
| | |
| | |
| | |
| ABS | 30A |
| Spare fuse | 30A |

| | |
|---|---|
| Headlight dimmer relay | 5A |
| Headlight main relay | 5A |

| | |
|---|---|
| Headlight main RH | 10A |
| Headlight main LH | 10A |
| Headlight Dimmer RH | 10A |
| Headlight Dimmer LH | 10A |
| | |
| | |
| A/C fan | 10A |
| Spare (P-IGN) | 10A |
| | |
| Power take off | 10A |
| | |
| | |
| | |

| | |
|---|---|
| Tail light, Cornering light | 10A |
| Spare (P-Tail) | 10A |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

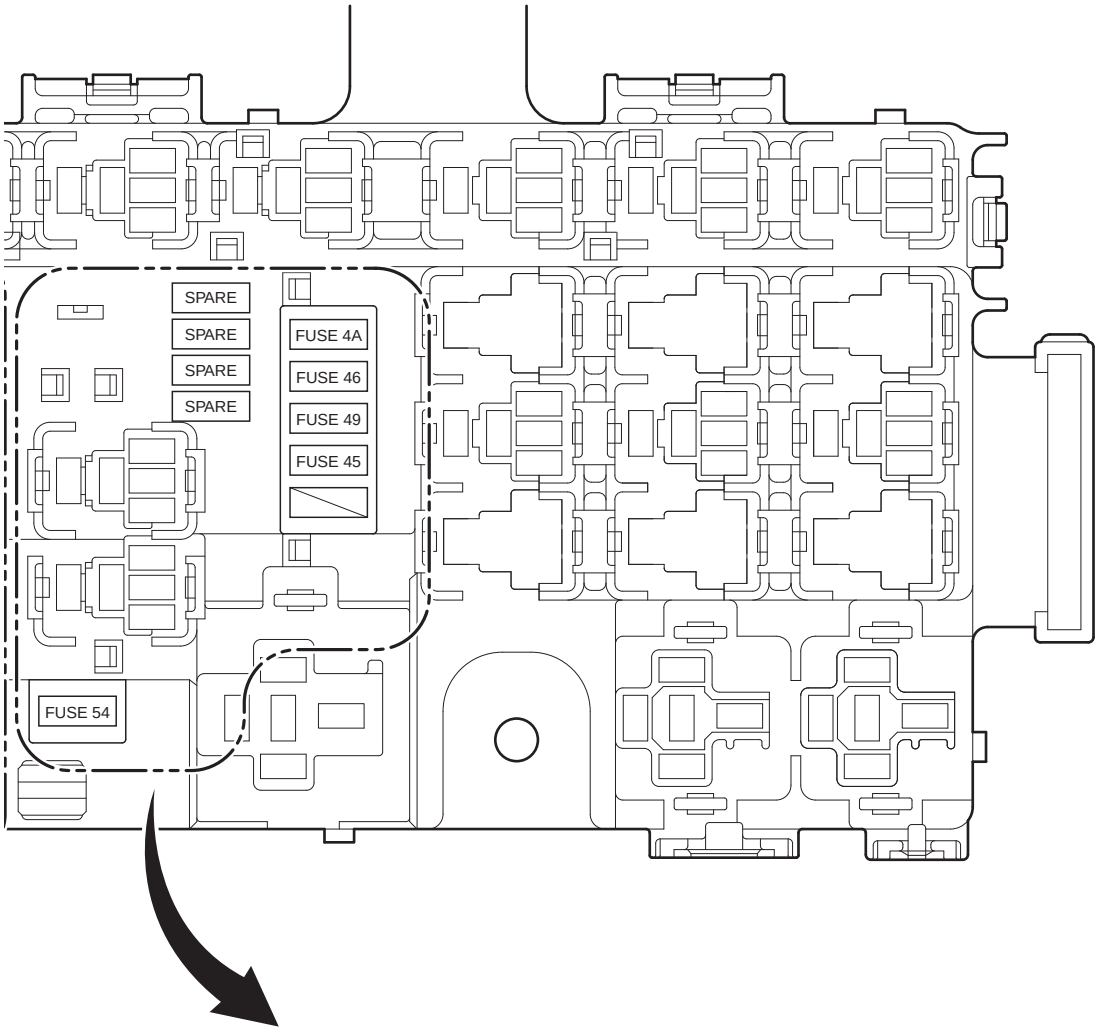
| | |
|---|---|
| Meter | 10A |
| Generator | 10A |
| ES start | 5A |
| Engine ECU | 5A |
| | |
| Engine stop relay | 5A |
| | |
| ABS | 10A |

| | |
|---|---|
| Spare (P-Battery) | 15A |
| Redio,Tachograph | 10A |
| Flasher | 10A |
| Room light | 15A |
| Parking light | 10A |
| Engine ECU | 10A |
| Engine stop | 10A ※1 |
| Engine actuator | 15A |
| Power window | 20A |
| ABS | 15A |
| ES start | 10A |

※1: Philippines, Vietnam

SHTS12Z160200278

https://truckmanualshub.com/



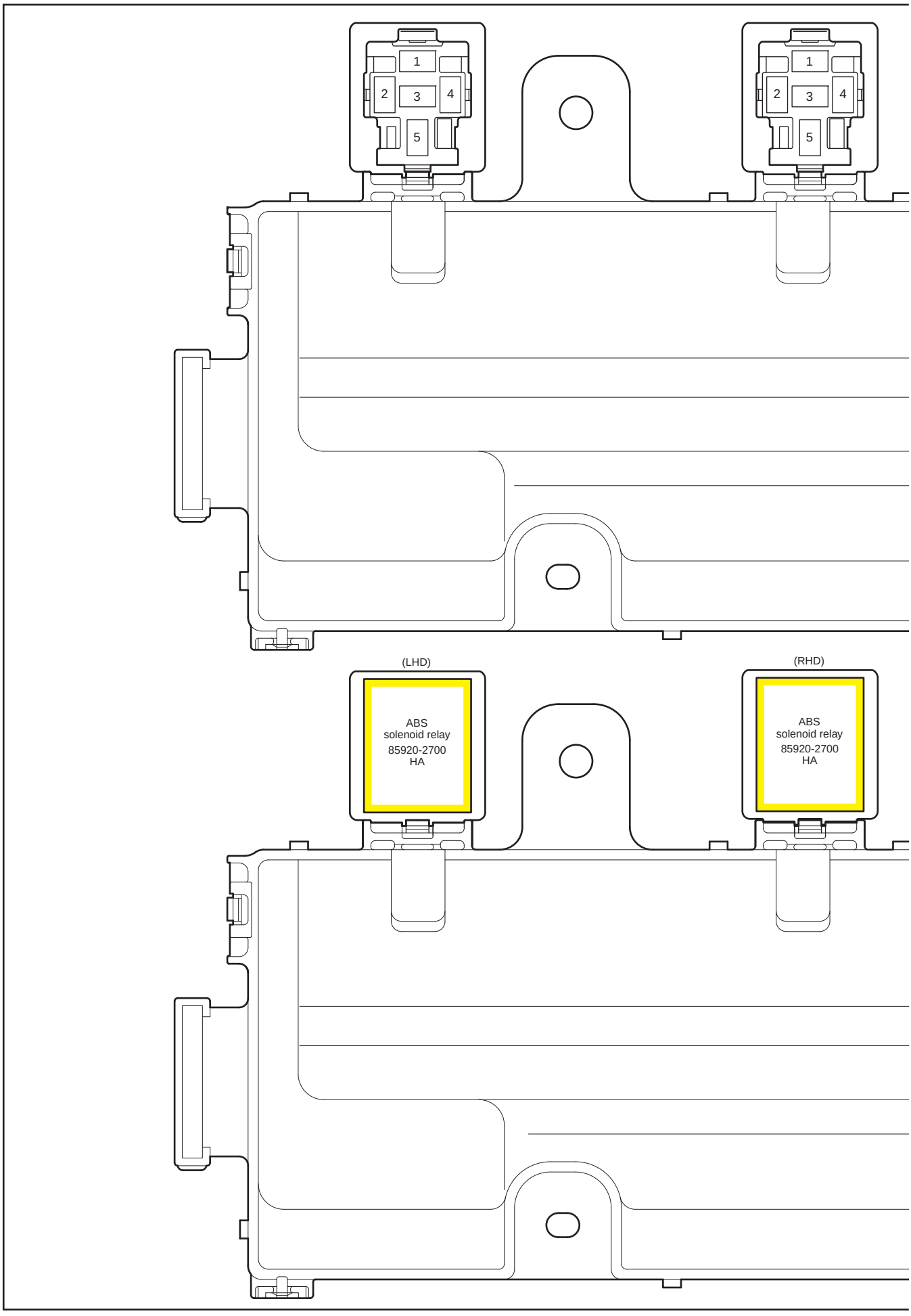

| | |
|---|---|
| Spare fuse | 5A |
| Spare fuse | 10A |
| Spare fuse | 15A |
| Spare fuse | 20A |

| | |
|---|---|
| Heater | 15A |
| Wiper | 10A |
| Stop light | 10A |
| Horn | 5A |
| | |

| | |
|---|---|
| Fog light | 15A |

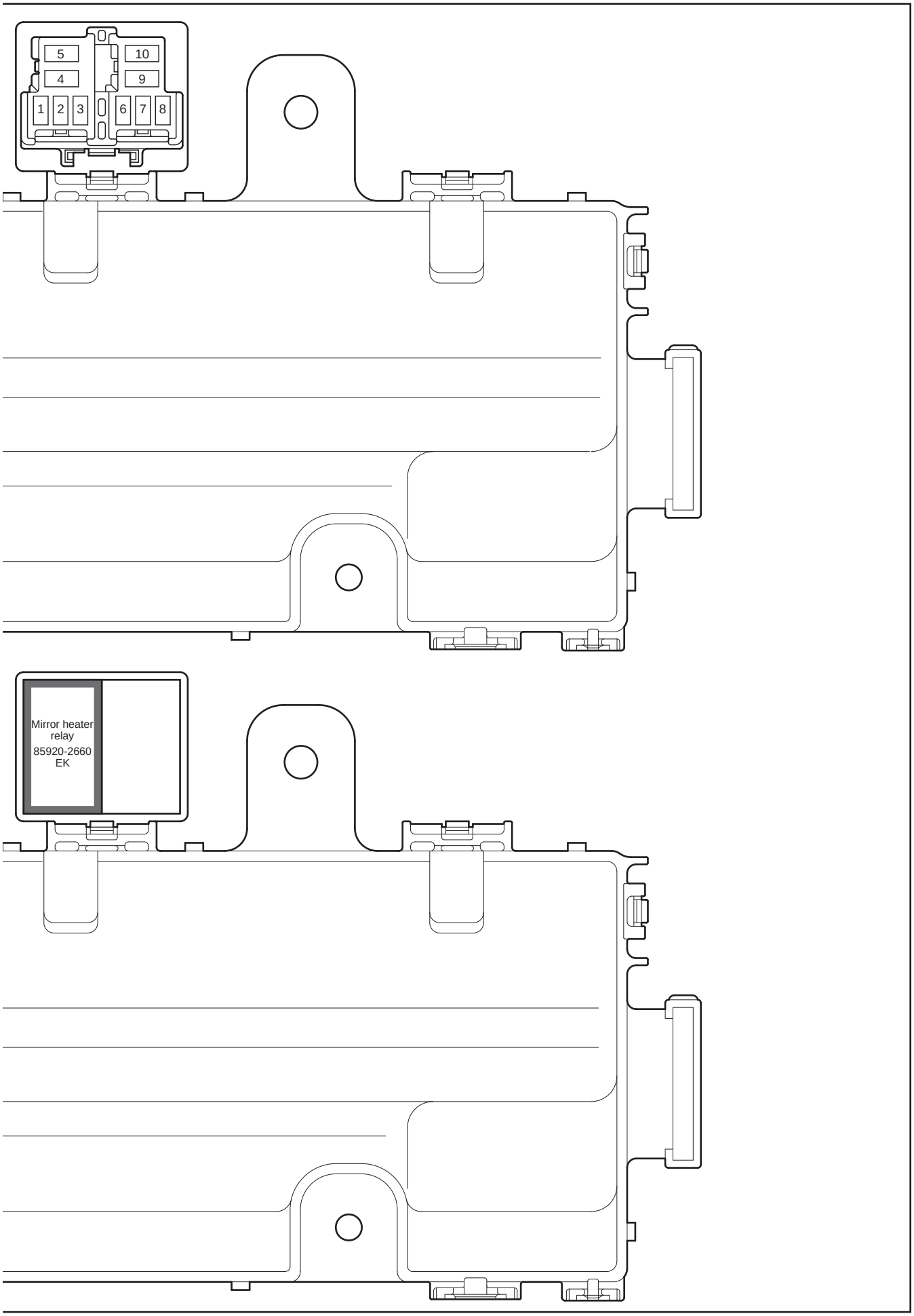
https://truckmanualshub.com/

## OPTION RELAY




SHTS12Z160200280

https://truckmanualshub.com/




SHTS12Z160200281

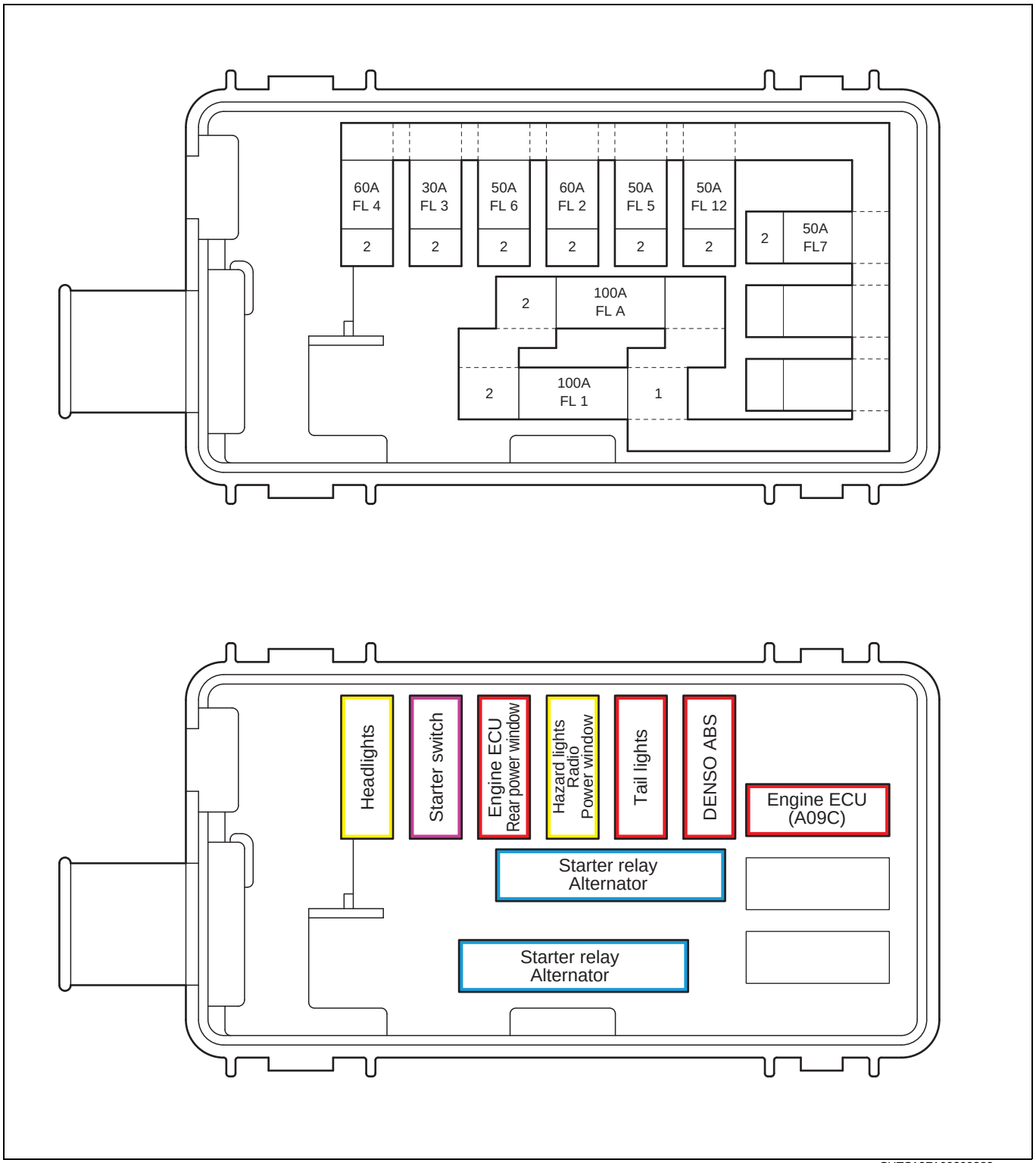
https://truckmanualshub.com/

# FUSIBLE LINK BLOCK

EN12Z1602J100009

**NOTICE**

**There is a case that this figure is different from that for your vehicle due to the model or specification.**




SHTS12Z160200282

https://truckmanualshub.com/

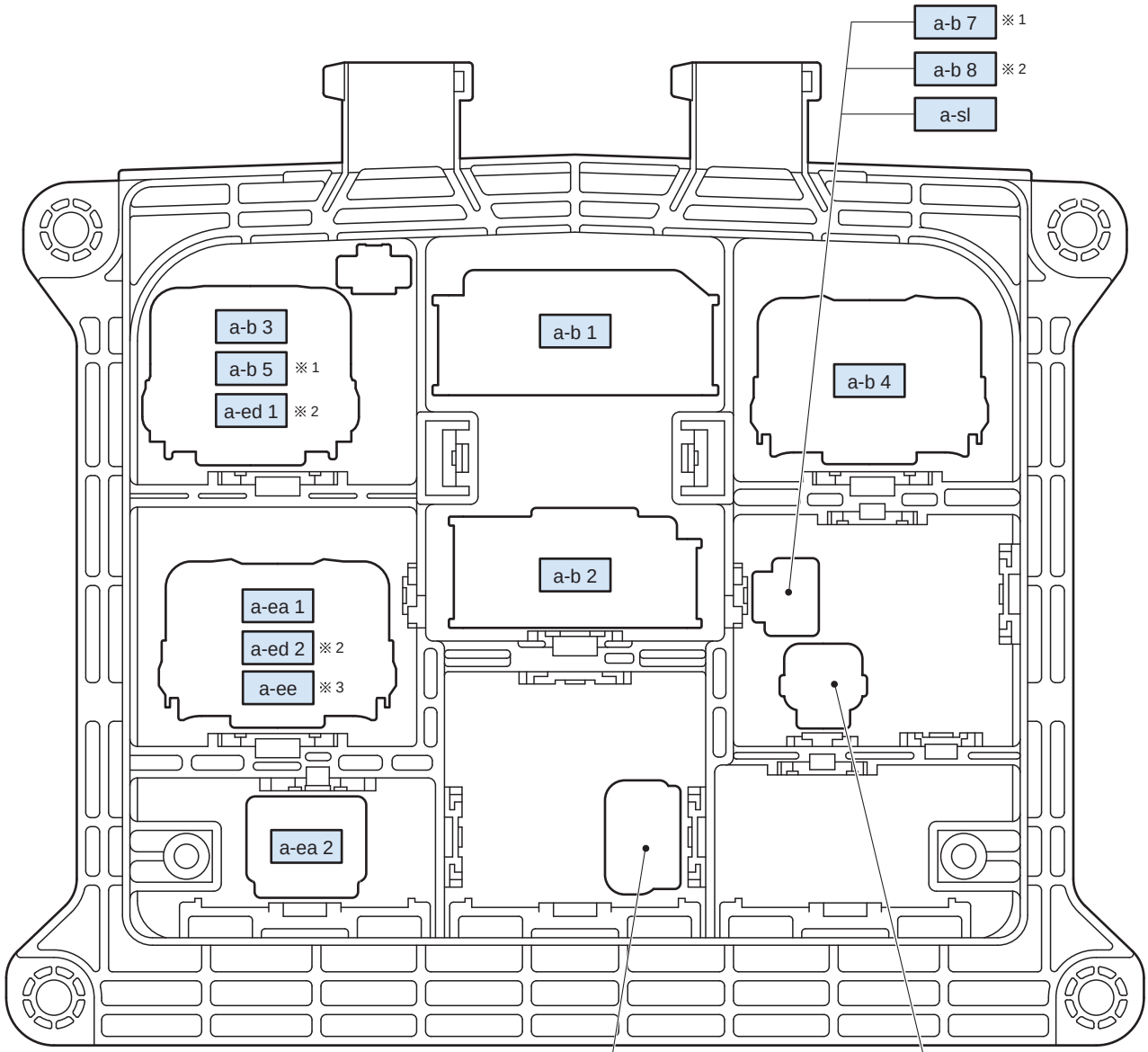
# WIRE TO WIRE BOX

EN12Z1602J100010

**NOTICE**

**There is a case that the following figures are different from that for your vehicle due to the model or specification.**

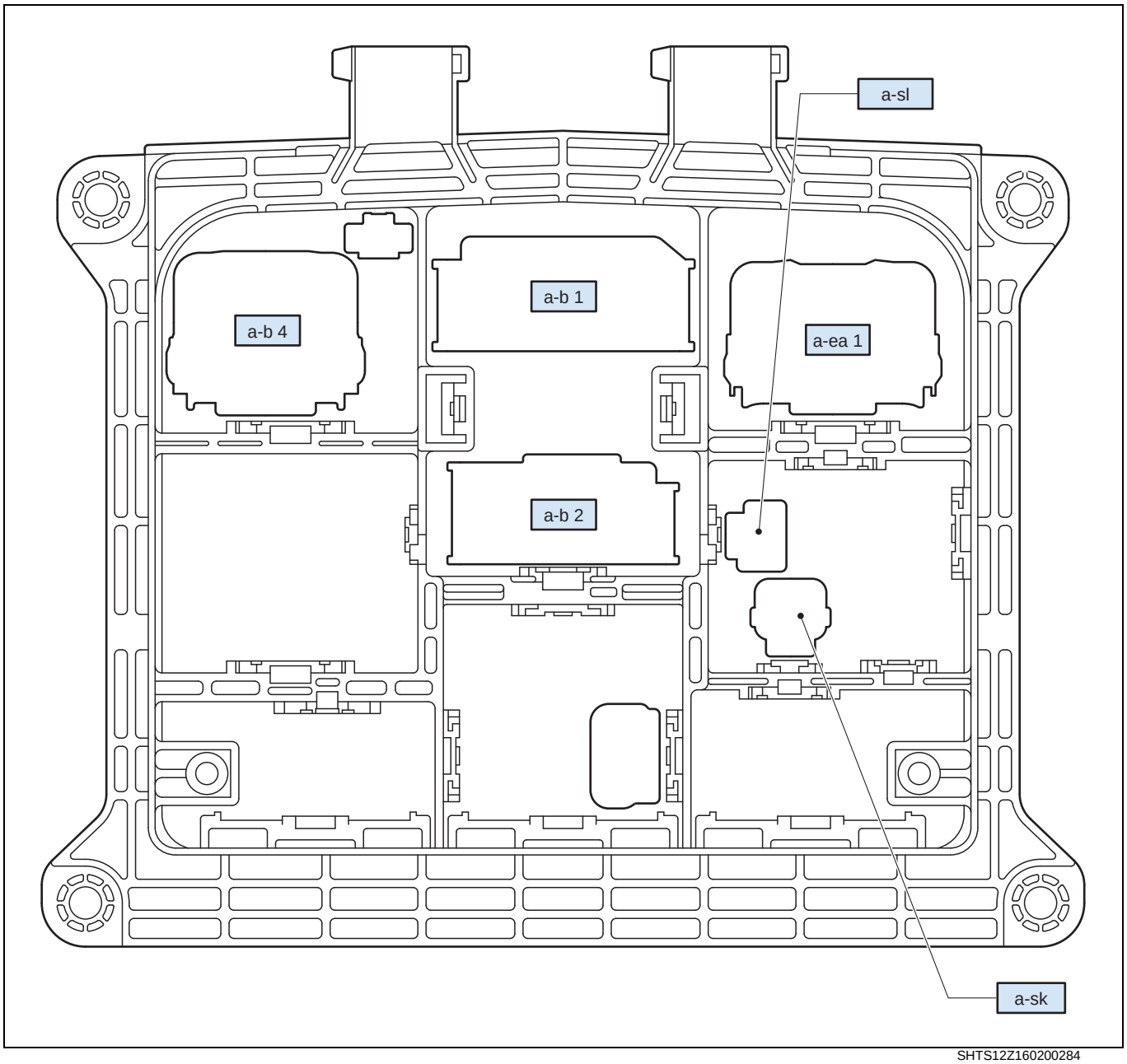
## RIGHT-HAND DRIVE MODEL




SHTS12Z160200283

https://truckmanualshub.com/

## LEFT-HAND DRIVE MODEL




SHTS12Z160200284

https://truckmanualshub.com/

# CONNECTOR INDEX

EN12Z1602J100011

## ELECTRICAL EQUIPMENT CONNECTOR

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| | 4WD detection switch | b63 | 82580-7180 | EG-22, 44 |
| | | | | LD |
| | 4WD selector switch | a33 | 82580-6060 | IP-3 |
| | | | | LD |
| A | ABS diagnosis switch | a100 | 82560-4100 | HB |
| | | | | IP-4, 8 |
| | ABS ECU (14 pin) | a102 | 82580-9490 | HB |
| | | | | IP-2, 5 |
| | ABS ECU (18 pin) | a101 | 82580-9480 | HB |
| | | | | IP-2, 5 |
| | ABS motor relay | — | — | HA |
| | | | | — |
| | ABS solenoid relay | a113 | 82580-9780 | HA |
| | | | | IP-1, 5 |
| | ABS warning light relay | — | — | HA |
| | | | | — |
| | ABS+ES start ECU (22 pin) | a108 | 82560-2310 | HA |
| | | | | IP-2, 5 |
| | ABS+ES start ECU (24 pin) | a110 | 82560-2320 | HA |
| | | | | IP-2, 5 |
| | ABS+ES start ECU (28 pin) | a109 | 82560-2330 | HA |
| | | | | IP-2, 5 |
| | ABS+ES start ECU (31 pin) | a111 | 82560-2340 | HA |
| | | | | IP-2, 5 |
| | Accelerator sensor | a36 | 82580-8960 | GA, GB, GC, GD, GM |
| | | | | IP-4, 8 |
| | Accelerator switch | a41 | 82580-8110 | GF, GG, GH, LI |
| | | | | IP-4, 8 |
| | Actuator power relay | — | — | GB, GC, GD, GE |
| | | | | — |
| | Air bag ECU | a187 | 82580-9940 | ER |
| | | | | IP-4 |
| | Air conditioner compressor | eb4 | 82580-6570 | FA |
| | | | | EG-2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |
| | Air conditioner compressor (Indonesia J08E) | b6 | 82580-6570 | FA |
| | | | | EG-13, 24, 45 |
| | Air conditioner compressor (Indonesia P11C) | eb11 | 82580-4240 | FA |
| | | | | EG-26, 28 |
| | Air conditioner compressor (J05D) | ec5 | 82580-6570 | FA |
| | | | | EG-3 |
| | Air conditioner compressor (A09C) | ed7 | 82560-2690 | FA |
| | | | | EG-35 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| A | Air conditioner compressor (Thailand P11C) | ee10 | 82580-4240 | FA<br>EG-27 |
| | Air conditioner condenser | a99 | 82580-7780 | FA<br>CA-1, 2, 3 |
| | Air conditioner condenser diode | a174 | 82560-3800 | FA<br>IP-1 |
| | Air conditioner diode | a168 | 82560-2030 | FA<br>IP-4, 7 |
| | Air conditioner relay | — | — | FA<br>— |
| | Air conditioner switch | a78 | 82560-2400 | FA<br>IP-2, 6 |
| | Air conditioner unit | a82 | 82580-6870 | FA<br>IP-2, 6 |
| | Air conditioner condenser relay | — | — | FA<br>— |
| | Air dryer heater | b44 | 82580-7170 | LF<br>EG-4, 8, 11, 18, 21, 22, 44 |
| | Air flow sensor | b88 | 82560-2490 | GC, GD<br>EG-3, 7, 10, 12, 14, 20, 29, 30, 42 |
| | Air flow sensor (A09C) | sm1 | 82828-1630 | GN<br>EG-36, 37 |
| | Air gauge sensor (Front) | b13 | 82560-3190 | BB<br>EG-18, 21, 22, 34, 44 |
| | Air gauge sensor (Front) | sa3 | 82560-3190 | BB<br>EG-4, 8, 11, 41 |
| | Air gauge sensor (Rear) | b14 | 82560-3190 | BB, BE<br>EG-4, 8, 17, 18, 21, 22, 34, 41, 47 |
| | Air gauge sensor (Rear) | sa4 | 82560-3190 | BB<br>EG-4, 8, 11, 41 |
| | Air gauge sensor (Wet) | sa12 | 82560-3190 | BB, BE<br>EG-18, 34, 38 |
| | Alternator (Terminals L, R) | eb1 | 82580-8640 | AH<br>EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 28, 42, 45 |
| | Alternator [Terminals L, R (A09C)] | ed20 | 82824-E0550 | AH<br>EG-35 |
| | Alternator [Terminals L, R (Thailand P11C)] | ee8 | 82580-8640 | AH<br>EG-27 |
| | Alternator (Terminal B) | eb2 | 9806-06150 | AH<br>EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |
| | Alternator [Terminal B (Indonesia J08E)] | eb10 | 9807-06050 | AH<br>EG-13, 24, 45 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| A | Alternator [Terminal B (Indonesia, Vietnam P11C)] | eb12 | 9806-06050 | AH<br>EG-26, 28 |
| | Alternator [Terminal B (Thailand P11C)] | ee16 | 9806-06050 | AH<br>EG-27 |
| | Alternator [Terminal B (A09C)] | b17 | 9806-06050 | AH<br>EG-35 |
| | Autoleveling ECU | a49 | 82560-2470 | CJ<br>IP-1 |
| | Automatic transmission backup light relay | — | — | CG, ID<br>— |
| | Automatic transmission ECU | sb1 | 82828-1570 | ID<br>EG-18, 34, 40 |
| | Automatic transmission main unit 1 | b100 | 82560-2680 | ID, LC<br>EG-16, 29, 30, 40 |
| | Automatic transmission main unit 2 | b99 | 82560-3500 | ID<br>EG-16, 29, 40 |
| | Automatic transmission neutral diode | a175 | 82560-3800 | ID<br>IP-1 |
| | Automatic transmission neutral relay | — | — | AE<br>— |
| | Automatic transmission shift selector | a65 | 82828-1600 | ID, LC<br>IP-3 |
| B | Back buzzer | d2 | 82580-6820 | CF<br>RR-1, 2 |
| | Back buzzer (Mixer truck) | e2 | 82580-6820 | CH<br>RR-2 |
| | Back buzzer (Tractor) | b81 | 82580-6820C | CF<br>RR-3, 4 |
| | Backup light (Mixer truck) | e6 | 82580-6600 | CH<br>RR-2 |
| | Backup light (Tractor) | b82 | 82580-6600 | CF<br>RR-3, 4 |
| | Backup light 1 [Direct coupled type (Taiwan)] | d4 | 82580-7660 | CF<br>RR-1 |
| | Backup light 1 [Lead wire type (Except Taiwan)] | d6 | 82580-6600 | CF<br>RR-1, 2 |
| | Backup light 2 | d5 | 82580-6600 | CF<br>RR-1, 2 |
| | Backup light relay | — | — | CF<br>— |
| | Backup light switch (LX, LJ, MF, HK transmission) | b22 | 82560-3600 | CF, LG<br>EF-3, 7, 11, 15, 21, 22, 30, 36, 40, 43 |
| | Backup light switch (EATON, ZF transmission) | b51 | 82560-1340 | CF, LG<br>EG-15, 30, 31, 32, 33, 36, 37, 46 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| B | Backup light switch (RT8908LL transmission) | b52 | 82580-7180 | CF |
| | | | | EG-29 |
| | Battery (-) terminal (Battery 1) | bc1 | 9782-16500 | AA |
| | | | | EG-4, 8, 11, 15, 16, 20, 34, 38, 41, 43, 47 |
| | Battery (-) terminal (Battery 2) | bb2 | 9782-16080 | AA |
| | | | | EG-4, 8, 11, 15, 16, 20, 34, 38, 41, 43, 47 |
| | Battery (+) terminal (Battery 1) | bb1 | 9782-18080 | AA |
| | | | | EG-4, 8, 11, 15, 16, 20, 34, 38, 41, 43, 47 |
| | Battery (+) terminal (Battery 2) | ba1 | 9780-09300 | AA |
| | | | | EG-4, 8, 11, 15, 16, 20, 34, 38, 41, 43, 47 |
| | Battery ground | bc2 | 9780-11200 | AA, BA, BE, BG, BI, CJ, GE, HB, HC, HE, ID, LD, LG, MA |
| | | | | EG-4, 8, 11, 15, 16, 20, 34, 38, 41, 43, 47 |
| | Blower motor | a88 | 82560-2990 | FA |
| | | | | IP-2, 6 |
| | Blower resistor | a83 | 82580-9270 | FA |
| | | | | IP-2 |
| | Blower switch | a77 | 82560-4480 | FA |
| | | | | IP-2, 6 |
| | Boost pressure sensor | ea8 | 82580-8980 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 43 |
| | Boost pressure sensor (Indonesia P11C) | eb7 | 82580-6630 | GE |
| | | | | EG-26, 28 |
| | Boost pressure sensor (A09C) | ed16 | 82580-8980 | GM |
| | | | | EG-35 |
| | Boost pressure sensor (Thailand P11C) | ee13 | 82580-8980 | GB |
| | | | | EG-27 |
| | Brake adjust switch (Front) | sa5 | 82590-9250 | BB, BE |
| | | | | EG-4, 8, 11, 17, 18, 34, 38, 41 |
| | Brake adjust switch (Front) | b71 | 82580-9250 | BB |
| | | | | EG-18, 22, 44 |
| | Brake adjust switch (Rear) | sa13 | 82580-9250 | BB, BE |
| | | | | EG-4, 8, 11, 17, 18, 34, 38, 41 |
| | Brake adjust switch (Rear) | b72 | 82580-9250 | BB |
| | | | | EG-22, 44 |
| | Brake adjust switch (Rear LH) | sa7 | 82580-9250 | BB |
| | | | | EG-18 |
| | Brake adjust switch (Rear RH) | sa6 | 82580-9250 | BB |
| | | | | EG-18 |
| | Brake fluid level switch | b7 | 82580-9240 | BB |
| | | | | EG-22, 44 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| B | Brake fluid level switch | sa8 | 82580-9250 | BB, BE |
| | | | | EG-4, 8, 11, 17 |
| | Brake fluid level switch | sa9 | 82580-9240 | BB, BE |
| | | | | EG-18, 34, 38, 41 |
| | Brake lock buzzer | e14 | 82580-6820 | HD |
| | | | | RR-2 |
| | Brake lock buzzer (Australia FC) | sd1 | 82580-6820 | HD |
| | | | | RR-1 |
| | Brake lock control magnetic valve | a42 | 82580-8110 | HD |
| | | | | IP-4 |
| | Brake lock control valve position switch | a43 | 82560-2880 | HD |
| | | | | IP-4 |
| | Brake lock pressure switch | se1 | 82560-3590 | HD |
| | | | | EG-4, 34 |
| | Brake lock relay | a44 | 82580-8740 | HD |
| | | | | IP-2 |
| | Brake switch (Except Ireland) | a64 | 82580-6770 | GH, GK |
| | | | | CA-1 |
| | Brake switch (Ireland) | a178 | 82580-6820 | HC |
| | | | | CA-1 |
| | Brake switch (Mexico) | a180 | 82580-6820 | GD |
| | | | | CA-2 |
| | Buzzer cancel switch | c1 | 82560-3610 | BC |
| | | | | RR-1, 2 |
| | Buzzer cancel switch (Models FT, GT) | b73 | 82560-3610 | BC |
| | | | | RR-1 |
| | Buzzer cancel switch (New Zealand FM mixer truck) | e13 | 82560-3610 | BC |
| | | | | RR-2 |
| C | Cab tilt buzzer | b31 | 82580-6820 | JA, JB |
| | | | | EG-9, 19, 42 |
| | Cab tilt diode No.1 (Double cab) | a165 | 82560-2030 | JB |
| | | | | IP-4 |
| | Cab tilt diode No.1 (FT, GT single cab) | b145 | 82560-2030 | JA |
| | | | | EG-42 |
| | Cab tilt diode No.2 | a166 | 82560-2030 | JB |
| | | | | IP-4 |
| | Cab tilt down relay | — | — | JB |
| | | | | — |
| | Cab tilt lock switch (Double cab) | i4 | 82580-7140 | JB |
| | | | | CA-3 |
| | Cab tilt lock switch (FT, GT single cab) | sf1 | 82580-7140 | JA |
| | | | | CA-1 |
| | Cab tilt motor | b33 | 82580-7290 | JA, JB |
| | | | | EG-10, 20, 42 |
| | Cab tilt position switch | b90 | 82580-7140 | JA |
| | | | | EG-42 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| C | Cab tilt relay | b93 | 82580-9770 | JA<br>EG-42 |
| | Cab tilt relay 1 | b35 | 82580-7330 | JB<br>EG-10, 20 |
| | Cab tilt relay 2 | b36 | 82580-2220 | JB<br>EG-10, 20 |
| | Cab tilt solenoid valve | b32 | 82560-2950 | JB<br>EG-10, 20 |
| | Cab tilt stop switch (Double cab) | a57 | 82580-6600 | JB<br>CA-3 |
| | Cab tilt stop switch (FT, GT single cab) | b91 | 82580-6600 | JA<br>EG-42 |
| | Cab tilt stroke switch (FT, GT single cab) | b89 | 82580-6600 | JA<br>EG-42 |
| | Cab tilt switch (Double cab) | b34 | 82560-2420 | JB<br>EG-10, 20 |
| | Cab tilt switch (FT, GT single cab) | b92 | 82580-7180 | JA<br>EG-42 |
| | Cab tilt up relay | — | — | JB<br>— |
| | Cigarette lighter | a73 | 82580-4610 | EF<br>IP-3, 7 |
| | Clutch stroke sensor | a14 | 82580-7140 | HA, HC<br>IP-4, 8 |
| | Clutch switch | a6 | 82560-3030 | GF, GG, LI<br>IP-4, 8 |
| | Combination meter (18 pin-L) | a23 | 82560-2230 | BA, BD<br>IP-4, 8 |
| | Combination meter (22 pin-L) | a21 | 82560-2470 | BA, BD, LC<br>IP-4, 8 |
| | Combination meter (18 pin-R) | a27 | 82560-2230 | BA, BD<br>IP-4, 8 |
| | Combination meter (22 pin-R) | a25 | 82560-2470 | BA, BD<br>IP-4, 8 |
| | Combination switch (SRC) | a188 | 82560-1020 | ER<br>IP-4 |
| | Common rail pressure sensor (J05D, J05E) | ec2 | 82580-6630 | GA, GD<br>EG-3 |
| | Common rail pressure sensor (J08E) | ea3 | 82580-6630 | GA, GC, GD<br>EG-7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Common rail pressure sensor (A09C) | ed11 | S8281-E0050 | GM<br>EG-35 |
| | Common rail pressure sensor (Thailand P11C) | ee6 | 82580-6630 | GB<br>EG-27 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| C | Coolant level switch | ea6 | 82580-7180 | BA, EN |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Coolant level switch (Indonesia J08E) | b9 | 82580-7180 | BE |
| | | | | EG-13, 24, 45 |
| | Coolant level switch (A09C, P11C) | b8 | 82580-6600 | BA, BE |
| | | | | EG-26, 28, 32, 33, 36, 37 |
| | Coolant level warning relay | a76 | 82580-6870 | BA, BD |
| | | | | IP-3, 7 |
| | Coolant temperature gauge sender unit | eb13 | 82580-8760 | BE |
| | | | | EG-13, 24, 45 |
| | Coolant temperature sensor | eb3 | 82580-8760 | BE, GA, GC, GD, GE |
| | | | | EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 26, 28, 42 |
| | Coolant temperature sensor (A09C) | ed18 | 82580-8760 | GM |
| | | | | EG-35 |
| | Coolant temperature sensor (Thailand P11C) | ee9 | 82580-8640 | GB |
| | | | | EG-27 |
| | Courtesy switch (Front LH) | i1 | 82580-6170 | DA |
| | | | | CA-1, 2, 3 |
| | Courtesy switch (Front RH) | i7 | 82580-6170 | DA |
| | | | | CA-1, 2, 3 |
| | Courtesy switch (Rear LH) | i2 | 82580-6170 | DA |
| | | | | CA-3 |
| | Courtesy switch (Rear RH) | i6 | 82580-6170 | DA |
| | | | | CA-3 |
| | Cruise main switch | a130 | 82560-4080 | GK |
| | | | | IP-4 |
| | Cruise set and resume switch (Light and turn switch) | a16 | 82580-9310 | GK |
| | | | | IP-4 |
| | Cruise set and resume switch [Light and turn switch (Mexico)] | a182 | 82560-4120 | GK |
| | | | | IP-8 |
| D | DC/DC converter (12V) | a103 | 82580-6060 | AC |
| | | | | IP-2, 6 |
| | DC/DC converter (Common rail) | a129 | 82560-3290 | GC, GD |
| | | | | IP-2, 5 |
| | DC/DC converter (Hour meter) | a87 | 82580-6920 | BF |
| | | | | IP-2 |
| | DC/DC converter (Leveling) | a47 | 82560-3290 | CE, CJ |
| | | | | IP-2 |
| | Diagnosis connector (16 pin) | a7 | 82560-4320 | LB, LC |
| | | | | IP-4, 8 |
| | Diagnosis connector (Black) | a38 | 82560-2620 | LA |
| | | | | IP-4 |
| | Diagnosis connector (White) | a39 | 82560-2620 | LA |
| | | | | IP-4, 8 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| D | Diagnosis connector (ATM) | a106 | 82560-1920 | ID, LC |
| | | | | IP-4 |
| | Diagnosis short circuit connector | a40 | 82560-2610 | LA |
| | | | | IP-4, 8 |
| | Differential lock magnetic valve | c5 | 82580-9250 | HF |
| | | | | RR-2, EG-40 |
| | Differential lock magnetic valve (Mixer truck) | e15 | 82580-9250 | HF |
| | | | | RR-2 |
| | Differential lock magnetic valve (Tractor) | b78 | 82580-9250 | HF |
| | | | | RR-3 |
| | Differential lock switch | a37 | 82560-3010 | HF |
| | | | | IP-3, 8 |
| | Digital tachograph | a80 | 82580-7000 | BG |
| | | | | IP-2, 6 |
| | DLC4 | a8 | 82824-E0010 | LB, LC |
| | | | | IP-4 |
| | Dome light (Center) | h5 | 82580-3360 | DA |
| | | | | CA-1 |
| | Dome light (Front LH) | h2 | 82580-3360 | DA |
| | | | | CA-1, 2, 3 |
| | Dome light (Front RH) | h1 | 82580-3360 | DA |
| | | | | CA-1, 2, 3 |
| | Dome light (Rear) | h4 | 82580-3360 | DA |
| | | | | CA-3 |
| | Dome light diode | i10 | 82560-2030 | DA |
| | | | | CA-1, 3 |
| | Drive master unit | a135 | 82580-6460 | BI, LC |
| | | | | IP-2 |
| | Dump up switch | b45 | 82580-4240 | KA, KB |
| | | | | EG-4, 17, 18, 34, 38 |
| | Dump warning buzzer | a9 | 82580-6390 | KA, KB |
| | | | | IP-4, 8 |
| E | Earth AS-1 | a159 | 82583-1680 | AB, JA, MA |
| | | | | IP-1, 5 |
| | Earth AS-2 | a160 | 82583-1670 | BA, BD, CA, CB, CC, EC, EF, EH, EI, EK, EM, EN, FA, MA |
| | | | | IP-1, 5 |
| | Earth AS-3 | a161 | 82583-1640 | AA, AE, BA, BD, BF, CB, CC, CE, CI, DA, EA, EB, EC, ED, EG, EK, EL, EM, EN, FA, GB,GC, GI, GJ, GK, GM, HD, IA, IB, ID, KA, KB, KC, LA, LH, MA |
| | | | | IP-1, 5 |
| | Earth DR-1 | a156 | 82583-1680 | AB, MA |
| | | | | IP-4, 8 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| E | Earth DR-2 | a157 | 82583-1670 | BD, CA, CB, CC, EC, EF, EG, EH, EI, EK, EM, EN, FA, MA |
| | | | | IP-4, 8 |
| | Earth DR-3 | a158 | 82583-1660 | AA, AE, BA, BD, BF, CB, CC, CE, CI, DA, EA, EB, EC, ED, EH, EK, EL, EM, EN, FA, GB, GC, GI, GJ, GK, HD, IA, IB, ID, KA, KB, KC, LA, LH, MA |
| | | | | IP-4, 8 |
| | Earth G3 audio | a162 | 82583-1670 | EJ, MA |
| | | | | IP-2, 6 |
| | Earth injector | ea7 | 9806-08010 | BA, EN, GA, GC, GD, MA |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Earth injector | ed24 | 9806-08010 | GM, MA |
| | | | | EG-35 |
| | Earth injector | ee15 | 9806-08010 | GB |
| | | | | EG-27 |
| | Earth No.1 crossmember | b141 | 9806-08050 | BB, BC, BE, CD, CF, CH, CI, CK, EE, EM, GG, HA, HB, HC, HF, IC, JA, JB, LD, LE, LF, MA |
| | | | | EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 39, 42, 45 |
| | Earth rear axle | b143 | 9806-08050 | BB, BC, BE, CD, CF, CH, CI, CK, EE, EM, GG HA, HB, HC, HF, IC, JA, JB, LD, LE, LF, MA |
| | | | | EG-3, 7, 11, 17, 18, 21, 22, 26, 28, 29, 30, 31, 32, 33, 36, 37, 40, 44, 46 |
| | EATON P.T.O. relay | — | — | KB, KC |
| | | | | — |
| | ECU main relay | — | — | GA, GB, GC, GD, GE |
| | | | | — |
| | EGR control | ed12 | 82580-8490 | GO |
| | | | | EG-35 |
| | EGR coolant temperature sensor | ed17 | 82580-8760 | GO |
| | | | | EG-35 |
| | EGR valve 1 | ea4 | 82560-2490 | GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 43 |
| | EGR valve 2 | ea5 | 82560-2490 | GC, GD |
| | | | | EG-7, 10, 15, 16, 20, 29, 30, 43 |
| | EGR VNT power relay | — | — | GM, GO |
| | | | | — |
| | Engine ECU (34 pin) | a114 | 82824-E0080 | GA, GB, GC, GD, GL |
| | | | | IP-2, 5 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| E | Engine ECU (35 pin-1) | a116 | 82824-E0090 | GA, GB, GC, GD, GF, GH, GK, GL |
| | | | | IP-2, 5 |
| | Engine ECU (32 pin) | a118 | 82824-E0070 | GA, GB, GC, GD, GF, GH, GI, GK, GL, LD |
| | | | | IP-2, 5 |
| | Engine ECU (35 pin-2) | a120 | 82824-E0100 | GA, GB, GC, GD, GL |
| | | | | IP-1, 6 |
| | Engine ECU (31 pin) | a122 | 82824-E0060 | GA, GB, GC, GD |
| | | | | IP-1, 6 |
| | Engine ECU [89 pin (A09C)] | ed1 | S8281-E0010 | GM, GO, GP, MA |
| | | | | EG-35 |
| | Engine ECU [36 pin (A09C)] | ed2 | S8281-E0020 | GM, GN, GO, GP, GQ |
| | | | | EG-35 |
| | Engine ECU [16 pin (A09C)] | ed3 | 82824-E0030 | GM |
| | | | | EG-35 |
| | Engine retarder EGR [Brake F (-)] | ib7 | 82583-1750 | GQ |
| | | | | EG-36, 37, 40 |
| | Engine retarder EGR [Brake F (+)] | ib8 | 82583-1750 | GQ |
| | | | | EG-36, 37, 40 |
| | Engine retarder EGR [Brake R (-)] | ib9 | 82583-1750 | GQ |
| | | | | EG-36, 37, 40 |
| | Engine retarder EGR [Brake R (+)] | ib10 | 82583-1750 | GQ |
| | | | | EG-36, 37, 40 |
| | Engine speed sensor (P11C) | b29 | 82560-1260 | GE |
| | | | | EG-25, 26, 28 |
| | Engine speed sensor (Allison) | b98 | 82828-1610 | ID |
| | | | | EG-16, 29 |
| | Engine speed main sensor | ea1 | 82560-1230 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 40, 43 |
| | Engine speed main sensor (A09C) | ed9 | S8281-E0040 | GM |
| | | | | EG-35 |
| | Engine speed main sensor (Thailand P11C) | ee7 | 82580-9960 | GB |
| | | | | EG-27 |
| | Engine speed sub sensor | ea2 | 82580-9960 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Engine speed sub sensor (A09C) | ed13 | 82560-1230 | GM |
| | | | | EG-36, 37 |
| | Engine speed sub sensor (Thailand P11C) | ee4 | 82560-1230 | GB |
| | | | | EG-27 |
| | Engine stop diode | a170 | 82560-3800 | GM |
| | | | | IP-2 |
| | Engine stop motor | a62 | 82580-7140 | GJ |
| | | | | CA-2 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| E | Engine stop motor | a63 | 82580-7270 | GJ<br>CA-1 |
| | Engine stop motor relay | — | — | GJ<br>— |
| | ES start control valve | b43 | 82580-9250 | HC<br>EG-18, 21 |
| | ES start control valve (Full air) | b123 | 82580-9250 | HC<br>EG-18 |
| | ES start controller (12 pin) | a56 | 82580-6890 | HC<br>IP-1, 5 |
| | ES start controller (26 pin) | a58 | 82560-1220 | HC<br>IP-1, 5 |
| | ES start main switch | a69 | 82560-1100 | HA, HC<br>IP-3, 7 |
| | ES start warning buzzer | a112 | 82560-2990 | HA<br>IP-4, 8 |
| | ETC. spare power supply connector | a74 | 82580-6920 | AB<br>IP-3, 7 |
| | E-thermo | a84 | 82560-3250 | FA<br>IP-2 |
| | Exhaust brake cut relay | — | — | GF, HA, HB, HE<br>— |
| | Exhaust brake magnetic valve | b24 | 82580-9250 | GF, GG, GH<br>EG-4, 7, 10, 18, 21, 22, 34, 38, 44, 47 |
| | Exhaust brake magnetic valve | sa10 | 82580-9250 | GF, GG<br>EG-4, 8, 11, 17, |
| F | Fluorescent light | h3 | 82580-7330 | DA<br>CA-1, 2 |
| | Fluorescent light switch | a70 | 82560-3010 | DA<br>IP-3, 7 |
| | Front endout marker light LH | h6 | 82580-8100 | CB, CC, EM<br>CA-1, 2, 3 |
| | Front endout marker light RH | h7 | 82580-8100 | CB, CC, EM<br>CA-1, 2, 3 |
| | Front fog light relay | — | — | CI<br>— |
| | Front fog light switch | a5 | 82580-6060 | CI<br>IP-4, 8 |
| | Front speaker LH | a30 | 82580-8610 | EJ<br>IP-1, 8 |
| | Front speaker RH | a31 | 82580-8610 | EJ<br>IP-4, 5 |
| | Fuel filter level sensor | ec1 | 82580-9420 | BA<br>EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| F | Fuel filter level sensor (A09C) | ed14 | 82580-9420 | BA |
| | | | | EG-35, 39 |
| | Fuel filter level sensor (Thailand P11C) | ee12 | 82580-9420 | BA |
| | | | | EG-27 |
| | Fuel gauge sender unit | b55 | 82580-5440 | BA, BE |
| | | | | EG-4, 8, 11, 17, 18, 21, 22, 29, 30, 31, 32, 33, 36, 37, 44, 46 |
| | Fuel gauge sender unit (FT, GT) | b138 | 82580-6600 | BA |
| | | | | EG-22, 44 |
| | Fuel gauge sender unit (Australia standard) | sg1 | 82580-5440 | BA |
| | | | | EG-18, 29, 30, 40 |
| | Fuel gauge sender unit (Australia ADR) | sg2 | 82580-6600 | BA |
| | | | | EG-18, 29, 30 |
| | Fuel injector No.1 (J05D, J05E, J08E) | ia1 | 82580-7990 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Fuel injector No.1 (A09C) | ib1 | 82580-7990 | GM |
| | | | | EG-36, 37 |
| | Fuel injector No.1 (Thailand P11C) | ic1 | 82580-9600 | GB |
| | | | | EG-32, 33 |
| | Fuel injector No.2 (J05D, J05E, J08E) | ia2 | 82580-7990 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Fuel injector No.2 (A09C) | ib2 | 82580-7990 | GM |
| | | | | EG-36, 37 |
| | Fuel injector No.2 (Thailand P11C) | ic2 | 82580-9600 | GB |
| | | | | EG-32, 33 |
| | Fuel injector No.3 (J05D, J05E, J08E) | ia3 | 82580-7990 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Fuel injector No.3 (A09C) | ib3 | 82580-7990 | GM |
| | | | | EG-36, 37 |
| | Fuel injector No.3 (Thailand P11C) | ic3 | 82580-9600 | GB |
| | | | | EG-32, 33 |
| | Fuel injector No.4 (J05D, J05E, J08E) | ia4 | 82580-7990 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Fuel injector No.4 (A09C) | ib4 | 82580-7990 | GM |
| | | | | EG-36, 37 |
| | Fuel injector No.4 (Thailand P11C) | ic4 | 82580-9600 | GB |
| | | | | EG-32, 33 |
| | Fuel injector No.5 (J05D, J05E, J08E) | ia5 | 82580-7990 | GA, GC, GD |
| | | | | EG-7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Fuel injector No.5 (A09C) | ib5 | 82580-7990 | GM |
| | | | | EG-36, 37 |
| | Fuel injector No.5 (Thailand P11C) | ic5 | 82580-9600 | GB |
| | | | | EG-32, 33 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| F | Fuel injector No.6 (J05D, J05E, J08E) | ia6 | 82580-7990 | GA, GC, GD<br>EG-7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Fuel injector No.6 (A09C) | ib6 | 82580-7990 | GM<br>EG-36, 37 |
| | Fuel injector No.6 (Thailand P11C) | ic6 | 82580-9600 | GB<br>EG-32, 33 |
| | Fuel temperature sensor | ec3 | 82580-7120 | GA, GC, GD<br>EG-3, 7, 10, 15, 16, 20, 29, 30, 43 |
| | Fuel temperature sensor (A09C) | ed8 | 82580-7120 | GM<br>EG-35 |
| | Fuel temperature sensor (Thailand P11C) | ee5 | 82580-7120 | GB<br>EG-27 |
| | Fusible link block | — | — | AA<br>— |
| G | G sensor | a97 | 82580-8980 | HA<br>IP-1 |
| H | Headlight beam control actuator LH (On front W/H) | b117 | 82580-6970 | CE<br>EG-23 |
| | Headlight beam control actuator LH (On headlight W/H) | sh4 | 82580-6970 | CE, CJ<br>EG-1, 5, 9, 12, 19, 23, 42 |
| | Headlight beam control actuator RH (On front W/H) | b118 | 82580-6970 | CE<br>EG-23 |
| | Headlight beam control actuator RH (On headlight W/H) | sh3 | 82580-6970 | CE, CJ<br>EG-1, 5, 9, 12, 19, 23, 42 |
| | Headlight beam control switch | a46 | 82560-2290 | CE<br>IP-4 |
| | Headlight LH (On front W/H) | b3 | 82580-8420 | CA<br>EG-1, 2, 12, 13, 14, 23, 24, 26, 27, 35, 45 |
| | Headlight LH (On headlight W/H) | sh2 | 82580-8420 | CA<br>EG-1, 2, 5, 6, 9, 12, 19, 23, 25, 42 |
| | Headlight relay (Dimmer) | — | — | AA<br>— |
| | Headlight relay (Main) | — | — | AA<br>— |
| | Headlight RH (On front W/H) | b2 | 82580-8420 | CA<br>EG-1, 2, 12, 13, 14, 23, 24, 26, 27, 28, 35, 45 |
| | Headlight RH (On headlight W/H) | sh1 | 82580-8420 | CA<br>EG-1, 2, 5, 6, 9, 12, 19, 23, 25, 28, 42 |
| | Headlight washer control relay | a127 | 82560-2790 | EO<br>IP-2 |
| | Headlight washer pump motor | a98 | 82580-8350 | EO<br>CA-1 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| H | Headlight washer switch | a128 | 82560-3250 | EO |
| | | | | IP-4 |
| | Heater relay | — | — | FA |
| | | | | — |
| | High detection switch | b61 | 82560-2950 | LD |
| | | | | EG-22, 44 |
| | Hong Kong diode 1 | a163 | 82560-2030 | CB |
| | | | | IP-4 |
| | Hong Kong diode 2 | a164 | 82560-2030 | CB |
| | | | | IP-4 |
| | Horn [High (Terminal B)] | b56 | 82580-7590 | EE |
| | | | | EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 42, 45 |
| | Horn [High (Terminal L)] | b95 | 82580-7590 | EE |
| | | | | EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 42, 45 |
| | Horn [Low (Terminal B)] | b57 | 82580-7590 | EE |
| | | | | EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35 |
| | Horn [Low (Terminal L)] | b96 | 82580-7590 | EE |
| | | | | EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 42, 45 |
| | Horn relay | — | — | EE |
| | | | | — |
| | Horn switch | a15 | 82580-8110 | EE |
| | | | | IP-4, 8 |
| | Hour meter | a85 | 82580-5650 | BF |
| | | | | IP-2 |
| | Hour meter illumination | a86 | 82580-7330 | BF |
| | | | | IP-2 |
| | Hour meter relay | — | — | BF |
| | | | | — |
| | Hydraulic unit | b87 | 82560-1330 | HA |
| | | | | EG-4, 8, 11, 22, 44 |
| I | Idle up 1 | a131 | 82580-6170 | GL |
| | | | | IP-3, 7 |
| | Idle up 2 | a132 | 82580-6170 | GL |
| | | | | IP-3, 7 |
| | Idle up switch | a172 | 82580-6060 | LH |
| | | | | IP-3 |
| | Idle volume | a35 | 82580-8660 | GA, GB, GC, GD, LG |
| | | | | IP-4, 8 |
| | Indicator light (Center) | h12 | 82580-8100 | CB |
| | | | | CA-2 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| I | Indicator light (LH) | h11 | 82580-8100 | CB |
| | | | | CA-2 |
| | Indicator light (RH) | h13 | 82580-8100 | CB |
| | | | | CA-2 |
| | Intake manifold temperature sensor | ea9 | 82580-7800 | GC |
| | | | | EG-7, 15 |
| | Integrated unit (25 pin) | a133 | 82580-2750 | EM, EN |
| | | | | IP-1 |
| | Integrated unit (14 pin) | a134 | 82580-5820 | EM, EN |
| | | | | IP-1 |
| | Interface ECU | a48 | 82560-2470 | CJ |
| | | | | IP-1 |
| K | Keyless entry controller | a126 | 82580-7210 | EL |
| | | | | IP-3 |
| L | Left turn buzzer | b102 | 82580-7140 | CB |
| | | | | EG-3 |
| | License plate light 1 | d7 | 82580-6600 | CF |
| | | | | RR-1, 2 |
| | License plate light 1 (Mixer truck) | e7 | 82580-6600 | CH |
| | | | | RR-2 |
| | License plate light 1 (Tractor) | b83 | 82580-6600 | CF |
| | | | | RR-3, 4 |
| | License plate light 2 | d8 | 82580-6600 | CF |
| | | | | RR-1, 2 |
| | Light and turn switch | a16 | 82580-9310 | CA, CB, CC, EM, LJ |
| | | | | IP-4, 8 |
| | Lock amp | a147 | 82580-7210 | FA |
| | | | | IP-2 |
| | Lo-Hi indicator light relay | — | — | IA, IB |
| | | | | — |
| | Low detection switch | b62 | 82560-3600 | LD |
| | | | | EG-22, 44 |
| | Low pressure switch 1 | b10 | 82560-3610 | BB, BE |
| | | | | EG-18, 21, 34, 47 |
| | Low pressure switch 2 | b11 | 82560-3610 | BB |
| | | | | EG-18, 21, 22, 34, 44 |
| | Low pressure switch 2 (Front) | sa1 | 82560-3610 | BB |
| | | | | EG-4, 8, 11 |
| | Low pressure switch 2 (Front) | sa16 | 82560-3590 | BB |
| | | | | EG-4, 8, 11 |
| | Low pressure switch 3 | b12 | 82560-3610 | BB |
| | | | | EG-18, 21, 22, 34, 44 |
| | Low pressure switch 3 (Rear) | sa2 | 82560-3610 | BB |
| | | | | EG-4, 8, 11 |
| | Low pressure switch 3 (Rear) | sa17 | 82560-3590 | BB |
| | | | | EG-4, 8, 11, 46 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| L | Low pressure switch 3 (Rear) | sa23 | 82560-3590 | BB<br>EG-4, 8 |
| | Low pressure switch 3 (Wet) | sa11 | 82560-3610 | BB, BE<br>EG-4, 8, 17, 34, 38 |
| | Low pressure switch 3 (Wet) | sa22 | 82560-3590 | BB<br>EG-4, 8, 18 |
| M | Master cylinder sensor<br>(Brake fluid pressure sensor) | sa21 | 82580-8760 | HA<br>EG-4, 8, 11 |
| | Mirror heater LH | g9 | 82580-9460 | EK<br>CA-1, 3 |
| | Mirror heater relay | a125 | 82660-1070 | EK<br>IP-1 |
| | Mirror heater RH | f9 | 82580-9460 | EK<br>CA-1, 3 |
| | Mirror heater switch | a124 | 82580-6060 | EK<br>IP-3 |
| | Modulator (Front or Front LH) | b70 | 82560-1340 | HB<br>EG-12, 18, 19, 23, 26 |
| | Modulator (Front RH) | b69 | 82560-1340 | HB<br>EG-12, 26, 29, 30 |
| | Modulator (Rear LH) | c6 | 82560-1340 | HB<br>RR-1, 2 |
| | Modulator [Rear LH (Indonesia)] | b156 | 82560-1340 | HB<br>RR-3 |
| | Modulator [Rear LH (Taiwan)] | sa14 | 82560-1340 | HB<br>EG-18 |
| | Modulator (Rear RH) | c7 | 82560-1340 | HB<br>RR-1, 2 |
| | Modulator [Rear RH (Indonesia)] | b155 | 82560-1340 | HB<br>RR-3 |
| | Modulator [Rear RH (Taiwan)] | sa15 | 82560-1340 | HB<br>EG-18 |
| | MPROP (Supply pump) | ed10 | S8281-E0040 | GM<br>EG-35 |
| N | Neutral switch | b50 | 82580-7180 | AD<br>EG-3, 7, 11, 15, 21, 22, 29, 30, 36, 40, 43 |
| | Neutral switch (EATON, ZF transmission) | b49 | 82560-1340 | AD<br>EG-15, 30, 31, 32, 33, 36, 37, 46 |
| | Neutral switch | b64 | 82580-7180 | LD<br>EG-22, 44 |
| O | Oil pressure switch | eb5 | 82580-6830 | BA<br>EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |
| | Oil pressure switch (Indonesia, Vietnam) | b15 | 82580-6830 | BE<br>EG-13, 24, 28, 45 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| O | Oil pressure switch (A09C) | ed23 | 82580-6830 | BA<br>EG-35 |
| | Oil pressure switch (Thailand P11C) | ee11 | 82580-6830 | BA<br>EG-27 |
| | Output speed sensor | b97 | 82828-1610 | ID<br>EG-16, 29 |
| | Over run relay | a94 | 82580-6920 | BD<br>IP-2, 6 |
| P | P.T.O. accelerator sensor | sl1 | 82560-1260 | GL<br>EG-4, 8, 11, 17, 18, 21, 22, 34, 44 |
| | P.T.O. accelerator sensor (A09C) | b147 | 82560-1260 | GP<br>EG-38 |
| | P.T.O. clutch switch | a13 | 82560-3030 | KA, KB, KC, LD, LH<br>IP-4, 8 |
| | P.T.O. diode | a167 | 82560-2030 | KA, KC<br>IP-4, 8 |
| | P.T.O. diode (ZF9S1310) | a171 | 82560-4180 | KA, LH<br>IP-4 |
| | P.T.O. magnetic valve | sk2 | 82580-9250 | KA, KB, KC<br>EG-3, 7, 11, 17, 18, 21, 22, 34, 44, 47 |
| | P.T.O. magnetic valve (ZF transmission) | b131 | 82580-9250 | KA<br>EG-34, 38 |
| | P.T.O. position switch | sk1 | 82580-9250 | KA<br>EG-3, 7, 11, 15, 21, 22, 30, 44 |
| | P.T.O. position switch (EATON transmission) | sk3 | 82580-6570 | KB<br>EG-15, 30, 31, 46 |
| | P.T.O. position switch (ZF transmission) | b53 | 82560-1340 | KA<br>EG-30, 31, 32, 33, 36, 37 |
| | Parking brake lever switch | a45 | 82560-2990 | HD<br>IP-3 |
| | Parking brake switch | a71 | 82560-3030 | BA, BD<br>IP-3, 7 |
| | Parking light switch | a3 | 82560-2900 | CB<br>IP-4, 8 |
| | PCV 1 | ee2 | 82580-8260 | CB<br>EG-27 |
| | PCV 2 | ee3 | 82580-8260 | CB<br>EG-27 |
| | PCV diode | a169 | 82580-3800 | GB<br>IP-2 |
| | PCV relay | — | — | AA, GB<br>— |
| | Power accessory relay | — | — | AA<br>— |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| | Power door lock actuator [Passenger's seat side (Left-hand drive)] | f7 | 82580-7660 | EB |
| | | | | CA-2 |
| | Power door lock actuator [Passenger's seat side (Right-hand drive)] | g4 | 82580-7660 | EA, EM |
| | | | | CA-1, 3 |
| | Power door lock actuator (Rear LH) | k1 | 82580-7660 | EA, EM |
| | | | | CA-3 |
| | Power door lock actuator (Rear RH) | j1 | 82580-7660 | EA, EM |
| | | | | CA-3 |
| | Power door lock controller | a75 | 82580-6870 | EA, EB |
| | | | | IP-3, 7 |
| | Power door lock switch [Driver's seat side (Left-hand drive)] | g7 | 82560-3300 | EB |
| | | | | CA-2 |
| | Power door lock switch [Driver's seat side (Right-hand drive)] | f3 | 82560-3300 | EA, EM |
| | | | | CA-1, 3 |
| | Power mirror motor | a67 | 82580-9420 | ED |
| | | | | CA-1 |
| | Power mirror relay | a68 | 82580-6870 | ED |
| | | | | IP-3 |
| | Power mirror switch | a66 | 82560-2840 | ED |
| | | | | IP-3 |
| | Power mode switch | a149 | 82580-7210 | GI, LH |
| | | | | IP-3 |
| P | Power relay No.1 | — | — | AA |
| | | | | — |
| | Power relay No.2 | — | — | AA |
| | | | | — |
| | Power relay No.3 | — | — | AA |
| | | | | — |
| | Power relay No.4 | — | — | AA |
| | | | | — |
| | Power window motor [Driver's seat side (Left-hand drive)] | g8 | 82580-9420 | EI |
| | | | | CA-2 |
| | Power window motor [Driver's seat side (Right-hand drive)] | f4 | 82560-4400 | EH |
| | | | | CA-1, 3 |
| | Power window motor [Passenger's seat side (Left-hand drive)] | f8 | 82560-4400 | EI |
| | | | | CA-2 |
| | Power window motor [Passenger's seat side (Right-hand drive)] | g5 | 82580-9420 | EH |
| | | | | CA-1, 3 |
| | Power window motor (Rear LH) | k3 | 82580-9420 | EH |
| | | | | CA-3 |
| | Power window motor (Rear RH) | j3 | 82580-9420 | EH |
| | | | | CA-3 |
| | Power window switch [Driver's seat side (Left-hand drive)] | g6 | 82580-7210 | EI |
| | | | | CA-2 |
| | Power window switch [Driver's seat side (Right-hand drive)] | f5 | 82580-7210 | EH |
| | | | | CA-1, 3 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| P | Power window switch [Passenger's seat side (Left-hand drive)] | f6 | 82580-6250 | EI |
| | | | | CA-2 |
| | Power window switch [Passenger's seat side (Right-hand drive)] | g3 | 82580-6250 | EH |
| | | | | CA-1, 3 |
| | Power window switch (For rear LH) (Driver's seat side) | a50 | 82560-2840 | EH |
| | | | | IP-4 |
| | Power window switch (For rear LH) (Rear seat side) | k2 | 82560-3250 | EH |
| | | | | CA-3 |
| | Power window switch (For rear RH) (Driver's seat side) | a51 | 82560-2860 | EH |
| | | | | IP-4 |
| | Power window switch (For rear RH) (Rear seat side) | j2 | 82560-3250 | EH |
| | | | | CA-3 |
| | Pressure switch (Triple) | a61 | 82580-4810 | FA |
| | | | | CA-1, 2, 3 |
| | Pre-stroke sensor and actuator | eb9 | 82580-8220 | GE |
| | | | | EG-26, 28 |
| | Pulse adjust computer | a81 | 82580-7960 | BA, BD |
| | | | | IP-2, 5 |
| R | Rack sensor | eb8 | 82580-6130 | EG |
| | | | | EG-26, 28 |
| | Radio/Audio unit | a79 | 82580-8810 | EJ |
| | | | | IP-2, 6 |
| | Range Hi switch | b48 | 82560-1340 | IB |
| | | | | EG-30, 31, 32, 33, 36, 37 |
| | Range Lo switch | b47 | 82560-1340 | IA |
| | | | | EG-15, 30, 31, 46 |
| | Rear combination light LH | d1 | 82580-8350 | CB, CC, EM |
| | | | | RR-1, 2 |
| | Rear combination light LH (Mixer truck) | e1 | 82580-8350 | CD |
| | | | | RR-2 |
| | Rear combination light LH (Tractor) | b79 | 82580-8350 | CB |
| | | | | RR-3, 4 |
| | Rear combination light RH | d3 | 82580-8350 | CB, CC, EM |
| | | | | RR-1, 2 |
| | Rear combination light RH (Mixer truck) | e3 | 82580-8350 | CD |
| | | | | RR-2 |
| | Rear combination light RH (Tractor) | b80 | 82580-8350 | CB |
| | | | | RR-3, 4 |
| | Rear fog light | — | — | CI |
| | | | | — |
| | Rear fog light relay | — | — | CI |
| | | | | — |
| | Rear fog light switch | — | — | CI |
| | | | | — |
| | Rear power window relay | — | — | EH |
| | | | | — |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| R | Relay and fuse block 090 | a2 | 82580-7330 | AA |
| | | | | IP-1, 5 |
| | Relay and fuse block 312 | a1 | 82580-8460 | AA |
| | | | | IP-1, 5 |
| | Retarder ECU (Control unit) | b42 | 82560-3540 | HE |
| | | | | EG-8, 18 |
| | Retarder ECU (Drive unit main 1) | b37 | 82580-6040 | HE |
| | | | | EG-7, 15 |
| | Retarder ECU (Drive unit main 2) | b38 | 82580-6040 | HE |
| | | | | EG-7, 15 |
| | Retarder main unit (Main 1) | b40 | 82580-6040 | HE |
| | | | | EG-8, 18 |
| | Retarder main unit (Main 2) | b41 | 82580-6040 | HE |
| | | | | EG-8, 18 |
| | Retarder main unit (Thermistor) | b39 | 82580-8350 | HE |
| | | | | EG-7, 15 |
| | Right turn buzzer | b101 | 82580-7140 | CB |
| | | | | EG-4 |
| S | SCV (Suction Control Valve) | ec4 | 82580-8260 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| | Seat belt switch | i3 | 82580-8660 | EG |
| | | | | CA-1 |
| | Seat belt switch (For Australia) | i8 | 82580-6820 | EG |
| | | | | CA-1, 3 |
| | Seat belt switch (For New Zealand double cab) | i9 | 82580-7130 | EG |
| | | | | CA-3 |
| | Seat belt pretensioner | i20 | 82560-2480 | ER |
| | | | | CA-1, 3 |
| | Service power (Ignition) | a104 | 9784-04050 | AA |
| | | | | IP-3, 7 |
| | Service power (Tail) | b46 | 82580-4240 | AB |
| | | | | EG-4, 8, 11, 17, 18, 21, 22, 34, 38, 44, 47 |
| | Side marker light LH | a54 | 82560-1670 | CB, CC, EM |
| | | | | CA-1, 3 |
| | Side marker light RH | a55 | 82560-1670 | CB, CC, EM |
| | | | | CA-1, 3 |
| | Side turn signal light (Front LH) | g1 | 82580-7660 | EM |
| | | | | CA-1, 3 |
| | Side turn signal light (Front LH) | g2 | 82580-7580 | CB, CC |
| | | | | CA-1, 2, 3 |
| | Side turn signal light (Front RH) | f1 | 82580-7660 | EM |
| | | | | CA-1, 3 |
| | Side turn signal light (Front RH) | f2 | 82580-7580 | CB, CC |
| | | | | CA-1, 2, 3 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| S | Side turn signal light (Mid LH) | si2 | 82580-7660 | CB<br>EG-4, 18 |
| | Side turn signal light (Mid RH) | si1 | 82580-7660 | CB<br>EG-4, 18 |
| | Spot light | b84 | 82580-6600 | CK<br>EG-31, 33, 37, 46 |
| | Spot light switch | b85 | 82580-7140 | CK<br>EG-31, 33, 37, 46 |
| | Spring brake switch | c2 | 82560-3590 | BC<br>RR-1, 2, EG-40 |
| | Spring brake switch (Models FT, GT) | b74 | 82560-3590 | BC<br>RR-1 |
| | Spring brake switch<br>(New Zealand FM mixer truck) | e11 | 82560-3590 | BC<br>RR-2 |
| | Starter (Terminal B) | b1 | 28181-1100 | AD, AE<br>EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 29, 30, 31, 32, 36, 37, 42, 46 |
| | Starter (Terminal B) | ba2 | 7003-1733-02 | AD, AE<br>EG-3, 7, 10, 12, 13, 14, 19, 29, 30, 31, 36, 37, 42, 46 |
| | Starter (Terminal C) | b18 | 82580-6730 | AD, AE<br>EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 29, 30, 31, 32, 33, 42, 46 |
| | Starter [Terminal C (A09C)] | ed27 | 82580-6730 | AD<br>EG-36, 37 |
| | Starter relay (Coil) | b19 | 82580-6600 | AD, AE<br>EG-1, 2, 5, 6, 10, 12, 13, 14, 20, 23, 24, 25, 26, 28, 32, 33, 36, 37, 40, 42, 45 |
| | Starter relay (Terminal B) | b20 | 9806-06050 | AD, AE<br>EG-1, 2, 5, 6, 10, 12, 13, 14, 20, 23, 24, 25, 26, 28, 32, 33, 36, 37, 42, 45 |
| | Starter relay (Terminal C) | b21 | 9806-06050 | AD, AE<br>EG-1, 2, 5, 6, 10, 12, 13, 14, 20, 23, 24, 25, 26, 28, 32, 33, 42, 45 |
| | Starter relay [Terminal C (A09C)] | ed26 | 9806-06050 | AD<br>EG-36, 37 |
| | Starter switch | a20 | 82580-6060 | AA<br>IP-4, 8 |
| | Stop light relay | — | — | CB<br>— |
| | Stop light switch | a12 | 82560-3030 | CB, EM, GC, GK<br>IP-4, 8 |
| | Stop light switch | a181 | 82560-3030 | GD<br>IP-8 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| T | Tachometer sensor | b25 | 82580-7580 | BE<br>EG-2, 13, 14, 24, 25, 46 |
| | Tail light relay No.1 | — | — | AA<br>— |
| | Tail light relay No.2 | — | — | AA<br>— |
| | TICS ECU (12 pin) | a92 | 82560-2350 | GE<br>IP-2, 5 |
| | TICS ECU (16 pin) | a91 | 82560-1810 | GE<br>IP-2, 5 |
| | TICS ECU (22 pin) | a93 | 82560-2360 | GE<br>IP-2, 5 |
| | TICS ECU (26 pin) | a90 | 82560-1220 | GE<br>IP-2, 5 |
| | Trailer hand brake switch | a105 | 82580-6820 | BA, BD<br>IP-3 |
| | Trailer socket | b66 | 82580-2780 | CB, LE<br>EG-31, 33, 37 |
| | Trailer socket (Indonesia SG) | b67 | 82580-6040 | CB, LE<br>EG-46 |
| | Trailer socket (New Zealand FM mixer truck) | e16 | 82560-3460 | LE<br>RR-2 |
| | Trailer stop light switch | b68 | 82560-3610 | CB<br>EG-31, 33, 37, 47 |
| | Trailer stop light switch (New Zealand FM mixer truck) | e10 | 82560-3610 | CD<br>RR-2 |
| | Transfer control magnetic valve (4WD/2WD change) | b59 | 82580-9250 | LD<br>EG-22, 44 |
| | Transfer control magnetic valve (High/Low change) | b60 | 82580-9250 | LD<br>EG-22, 44 |
| | Transfer control magnetic valve (Holding) | b58 | 82580-9250 | LD<br>EG-22, 44 |
| | Transfer control magnetic valve (Holding low position) | b65 | 82580-9250 | LD<br>EG-22, 44 |
| | Transfer controller | a34 | 82580-3510 | LD<br>IP-1 |
| | Transfer High/Low selector switch | a32 | 82580-6920 | LD<br>IP-3 |
| | Transfer warning buzzer | a10 | 82560-2990 | LD<br>IP-4 |
| | Transmission P.T.O. switch | a72 | 82580-6870 | KA, KB, KC<br>IP-3, 8 |
| | Turbine speed sensor | ed21 | 82828-1100 | GO<br>EG-35 |
| | Turn signal flasher | a95 | 82580-6060 | CB, CC<br>IP-1, 6 |

https://truckmanualshub.com/

| | NAME | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| T | Turn signal light (Front LH) | a52 | 82580-7660 | CB, CC, EM |
| | | | | CA-1, 2, 3 |
| | Turn signal light (Front RH) | a53 | 82580-7660 | CB, CC, EM |
| | | | | CA-1, 2, 3 |
| V | VCS actuator relay | — | — | LG |
| | | | | — |
| | VCS ECU (31 pin) | a150 | 82824-E0060 | LG |
| | | | | IP-1 |
| | VCS ECU (35 pin-2) | a151 | 82824-E0070 | LG, LH, LI |
| | | | | IP-1 |
| | VCS ECU (34 pin) | a152 | 82824-E0080 | LG, LH, LI |
| | | | | IP-2 |
| | VCS ECU (35 pin-1) | a153 | 82824-E0100 | LG, LH |
| | | | | IP-2 |
| | VCS ECU (32 pin) | a154 | 82824-E0090 | LC, LG, LJ |
| | | | | IP-2 |
| | Vehicle height sensor (Front) | b140 | 82560-4750 | CJ |
| | | | | EG-5, 12 |
| | Vehicle height sensor (Rear) | c9 | 82560-4750 | CJ |
| | | | | RR-1 |
| | Vehicle speed diode | a173 | 82560-3800 | GM |
| | | | | IP-4 |
| | Vehicle speed sensor | b23 | 82560-3570 | BA, BE |
| | | | | EG-3, 7, 11, 15, 21, 22, 29, 30, 31, 32, 33, 36, 37, 40, 44, 46 |
| | VNT actuator | ed22 | 82828-1430 | GO |
| | | | | EG-35 |
| | VNT controller | eb6 | 82580-8490 | GC, GD |
| | | | | EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 42 |
| | VNT controller (A09C) | ed6 | 82560-3560 | GO |
| | | | | EG-35 |
| W | Warning buzzer | a11 | 82580-6390 | BA, BD |
| | | | | IP-4, 8 |
| | Warning light check relay | — | — | BA |
| | | | | — |
| | Washer pump motor | a98 | 82580-8350 | EC, EN, EO |
| | | | | CA-1, 2, 3 |
| | Waste gate magnetic valve | b27 | 82580-9250 | GE |
| | | | | EG-26, 28 |
| | Wheel sensor (Front LH) | b5 | 82560-4720 | HA, HB |
| | | | | EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 26, 42 |
| | Wheel sensor (Front RH) | b4 | 82560-4720 | HA, HB |
| | | | | EG-3, 5, 6, 9, 12, 14, 26, 29, 30, 42 |
| | Wheel sensor (Rear LH) | b77 | 82560-4720 | HA |
| | | | | RR-1, 3 |

https://truckmanualshub.com/

| NAME | | CONNECTOR No. | PART No. | CIRCUIT OR AREA |
|---|---|---|---|---|
| W | Wheel sensor (Rear LH) | c4 | 82560-4720 | HA, HB |
| | | | | RR-1, 2 |
| | Wheel sensor (Rear RH) | b75 | 82560-4730 | HA |
| | | | | RR-1, 3 |
| | Wheel sensor (Rear RH) | b76 | 82560-4720 | HA |
| | | | | RR-1 |
| | Wheel sensor (Rear RH) | c3 | 82560-4730 | HA |
| | | | | RR-1 |
| | Wheel sensor (Rear RH) | c8 | 82560-4720 | HB |
| | | | | RR-1, 2 |
| | Wiper and retarder switch | a18 | 82580-9320 | CB, CC, EC, EM, EN, EO, GF, GG, GH, HE, LI |
| | | | | IP-4, 8 |
| | Wiper controller | a96 | 82580-5820 | EC |
| | | | | IP-1, 6 |
| | Wiper motor (Standard cab) | a59 | 82580-8350 | EC, EN |
| | | | | CA-1, 2, 3 |
| | Wiper motor (Wide cab) | a60 | 82580-8350 | EC, EN |
| | | | | CA-1, 2, 3 |
| Z | ZF power shift magnetic valve | b146 | 82560-9250 | IC |
| | | | | EG-32, 33, 36, 37 |

https://truckmanualshub.com/

## WIRE TO WIRE CONNECTOR

| CONNECTOR No. | NAME | PART No. | | CIRCUIT OR AREA |
|---|---|---|---|---|
| | | MALE | FEMALE | |
| a-b 1 | Cab main wiring harness to Front wiring harness 1 | 82560-2110 | 82560-2120 | AA, AB, AD, AE, AH, BA, BD, BE, BG, BI, CA, CB, CD, CE, CF, CH, CI, CJ, EM, ER, GA, GB, GC, GD, GE, GF, GG, GH, GM, HB, HC, HE, IA, IB, ID, JA, LA, LD, LE, LF, LG, MA |
| | | | | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 39, 42, 45 |
| a-b 2 | Cab main wiring harness to Front wiring harness 2 | 82560-2130 | 82560-2140 | AA, AD, BA, BB, BC, BD, BE, BF, CB, CD, CI, CK, EE, EM, FA, GM, HA, HC, HD, HF, IC, ID, JA, KA, KB, LD, LE, MA |
| | | | | IP-1, 5, EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 26, 27, 28, 35, 39, 42, 45 |
| a-b 3 | Cab main wiring harness to Front wiring harness 3 | 82560-2170 | 82560-2180 | CG, GF, HE, ID, JB, LA, LC |
| | | | | IP-1, EG-5, 9, 12, 19 |
| a-b 4 | Cab main wiring harness to Front wiring harness 4 | 82560-2150 | 82560-2160 | AA, CJ, HA, HB |
| | | | | IP-1, 5, EG-2, 5, 6, 9, 12, 14, 19, 23, 26, 42 |
| a-b 5 | Cab main wiring harness to Front wiring harness 5 | 82560-2070 | 82560-2080 | GE |
| | | | | IP-1, EG-26, 28 |
| a-b 6 | Cab main wiring harness to Front wiring harness 6 | 82560-2830 | 82560-2840 | HD |
| | | | | IP-1, EG-24, 35 |
| a-b 7 | Cab main wiring harness to Front wiring harness 7 | 82580-2910 | 82580-2920 | KA |
| | | | | IP-1, EG-26, 27, 35 |
| a-b 8 | Cab main wiring harness to Front wiring harness 8 | 82560-2280 | 82560-2290 | GP |
| | | | | IP-1, EG-35 |
| a-f 1 | Cab main wiring harness to Door RH wiring harness 1 | 82580-7340 | 82580-7210 | CB |
| | | | | IP-4, CA-1 |
| a-f 2 | Cab main wiring harness to Door RH wiring harness 2 | 82580-8730 | 82580-8740 | CB, CC, EA, EH, EK, EL, EM |
| | | | | IP-4, CA-1, 3 |
| a-f 3 | Cab main wiring harness to Door RH wiring harness 3 | 82580-6050 | 82580-6060 | EM |
| | | | | IP-4, CA-1, 3 |
| a-f 4 | Cab main wiring harness to Door RH wiring harness 4 | 82580-8050 | 82580-6870 | CB, EB, EI |
| | | | | IP-6, CA-2 |
| a-g 1 | Cab main wiring harness to Door LH wiring harness 1 | 82580-8050 | 82580-6870 | CB, CC, EA, EH, EK, EM |
| | | | | IP-2, CA-1, 3 |
| a-g 2 | Cab main wiring harness to Door LH wiring harness 2 | 82580-7340 | 82580-7210 | CB, EB, EI |
| | | | | IP-8, CA-2 |
| a-h 1 | Cab main wiring harness to Roof wiring harness 1 | 82580-6060 | 82580-6050 | CB, CC, DA, EM |
| | | | | IP-1, 5, CA-1, 2, 3 |
| a-i 1 | Cab main wiring harness to Floor wiring harness 1 | 82580-8650 | 82580-8660 | DA |
| | | | | IP-3, 7, CA-1, 2 |
| a-i 2 | Cab main wiring harness to Floor wiring harness 2 | 82580-7340 | 82580-7210 | DA, EG |
| | | | | IP-3, CA-1, 3 |
| a-i 3 | Cab main wiring harness to Floor wiring harness 3 | 82580-8730 | 82580-8740 | EA, EH, EM, JB |
| | | | | IP-3, CA-3 |

https://truckmanualshub.com/

| CONNECTOR No. | NAME | PART No. | | CIRCUIT OR AREA |
|---|---|---|---|---|
| | | MALE | FEMALE | |
| a-i 4 | Cab main wiring harness to Floor wiring harness 4 | 82580-7340 | 82580-7210 | BA<br>IP-3, CA-1, 3 |
| a-i 5 | Cab main wiring harness to Floor wiring harness 5 | 82580-9010 | 82824-E0K20 | BA, ER<br>IP-3, CA-1, 3 |
| a-ea 1 | Cab main wiring harness to Engine wiring harness-1_1 | 82560-2150 | 82560-2160 | BA, EN, FA, GA, GC, GD, GH, GK, HB, MA<br>IP-1, 5<br>EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |
| a-ea 2 | Cab main wiring harness to Engine wiring harness-1_2 | 82560-2090 | 82560-2100 | GC<br>IP-1, EG-5, 12 |
| a-ed 1 | Cab main wiring harness to Engine wiring harness-1_1 | 82560-2150 | 82560-2160 | AD, AH, BA, FA, GM, GO, GP, KA, LA, LB, LG, MA<br>IP-1, EG-35 |
| a-ed 2 | Cab main wiring harness to Engine wiring harness-1_2 | 82560-3240 | 82560-3250 | FA, GP<br>IP-1, EG-35 |
| a-ee | Cab main wiring harness to Engine wiring harness | 82560-2150 | 82824-E0D80 | AH, GB<br>IP-1, EG-27 |
| a-sc | Cab main wiring harness to Brake lock sub wiring harness | 82560-2830 | 82560-2840 | HD<br>IP-1, EG-1 |
| a-sf | Cab main wiring harness to Floor panel sub wiring harness | 82580-6050 | 82580-6060 | JA<br>CA-1 |
| a-sk | Cab main wiring harness to P.T.O. sub wiring harness | 82560-2910 | 82560-2920 | KA, KB, KC<br>IP-1, 5, EG-1, 2, 5, 6, 9, 12, 13, 14, 19, 23, 24, 25, 42, 45 |
| a-sl | Cab main wiring harness to Working accelerator sensor sub wiring harness | 82560-2280 | 82560-2290 | GL<br>IP-1, 5, EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 27, 42 |
| b-c 1 | Front wiring harness to Intermediate wiring harness 1 | 82560-1320 | 82560-1330 | CA, CB, CC, CF, CI, CJ, EM, HA, HB, HF, MA<br>EG-4, 8, 11, 18, 21, 34 |
| b-c 2 | Front wiring harness to Intermediate wiring harness 2 | 82560-3490 | 82560-3500 | BC, CA, CB, CC, EM, HF, MA<br>EG-4, 8, 11, 17, 18, 21, 34, 38 |
| b-d 1 | Front (+Intermediate) wiring harness to Rear wiring harness 2 | 82560-3450 | 82560-3460 | CD, CH, EM, MA<br>RR-1 |
| b-e 1 | Front wiring harness to Intermediate+rear wiring harness 1 | 82560-3490 | 82560-3500 | CA, CD, CH, HD, HF, LE, MA<br>EG-34, 38 |
| b-e 3 | Front wiring harness to Intermediate+rear wiring harness 3 | 82560-2940 | 82560-2950 | AB, BC, LE<br>EG-34 |
| b-ba | Front wiring harness to Battery cable-1 | 82580-6720 | 82560-2770 | BA, BE, BG, BI, CJ, GE, HB, HC, HE, ID, LD, MA<br>EG-4, 8, 11, 17, 18, 20, 34, 38, 43, 47 |
| b-eb 1 | Front wiring harness to Engine wiring harness-2_1 | 82560-3490 | 82560-3480 | AH, BA, FA, GA, GC, GD<br>EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |
| b-eb 2 | Front wiring harness to Engine wiring harness-2_2 | 82560-1780 | 82560-1790 | AH<br>EG-1, 2, 5, 6, 9, 12, 14, 19, 23, 25, 42 |

https://truckmanualshub.com/

| CONNECTOR No. | NAME | PART No. | | CIRCUIT OR AREA |
|---|---|---|---|---|
| | | MALE | FEMALE | |
| b-eb 3 | Front wiring harness to Engine wiring harness-2_3 | 82560-1320 | 82560-1330 | AH, BE, FA, GE |
| | | | | EG-26, 28 |
| b-eb 4 | Front wiring harness to Engine wiring harness-2_4 | 82580-8480 | 82580-8490 | AH, BE |
| | | | | EG-13, 24, 45 |
| b-eb 5 | Front wiring harness to Engine wiring harness-2_5 | 82580-9820 | 82580-9830 | AH |
| | | | | EG-13, 24, 28, 45 |
| b-ee | Front wiring harness to Engine wiring harness | 82560-1780 | 82560-1790 | AH |
| | | | | EG-27, 32, 33 |
| b-sa 1 | Front wiring harness to Air tank sub wiring harness 1 | 82560-3470 | 82560-3480 | BB |
| | | | | EG-4, 8, 11 |
| b-sa 2 | Front wiring harness to Air tank sub wiring harness 2 | 82560-3470 | 82560-3480 | BB, HA |
| | | | | EG-4, 8, 11 |
| b-sa 3 | Front wiring harness to Air tank sub wiring harness 3 | 82560-3410 | 82560-3420 | BB, BE, GF, GG |
| | | | | EG-4, 8, 17 |
| b-sa 4 | Front wiring harness to Air tank sub wiring harness 4 | 82560-3410 | 82560-3420 | BB, BE, GG |
| | | | | EG-18, 34, 38 |
| b-sa 5 | Front wiring harness to Air tank sub wiring harness 5 | 82560-3470 | 82580-3480 | BB, HB |
| | | | | EG-18 |
| b-sa 6 | Front wiring harness to Air tank sub wiring harness 6 | 82560-3540 | 82560-3470 | BB |
| | | | | EG-4, 8 |
| b-sb 1 | Front wiring harness to Automatic transmission sub wiring harness 1 | 82560-1320 | 82560-1330 | ID, LD |
| | | | | EG-18, 34, 40 |
| b-sb 2 | Front wiring harness to Automatic transmission sub wiring harness 2 | 82560-3530 | 82560-3540 | ID |
| | | | | EG-18, 34, 40 |
| b-se | Front wiring harness to Brake lock (Pressure switch) sub wiring harness | 82580-6590 | 82580-6600 | HD |
| | | | | EG-34 |
| b-sg | Front wiring harness to Fuel tank sub wiring harness | 82580-7170 | 82580-7180 | BA |
| | | | | EG-18, 29, 30, 40 |
| b-sh | Front wiring harness to headlight sub wiring harness | 82560-3490 | 82560-3500 | CA, CE, CJ |
| | | | | EG-1, 2, 5, 6, 9, 12, 19, 23, 25, 42 |
| b-si | Front wiring harness to Side turn signal light sub wiring harness | 82580-8340 | 82580-8350 | CB |
| | | | | EG-4 |
| c-d 1 | Intermediate wiring harness to Rear wiring harness 1 | 82560-3450 | 82560-3460 | BC, CA, CB, CC, CF, CI, EM, HB, HF, MA |
| | | | | RR-1, 2 |
| i-j | Floor wiring harness to Rear door RH wiring harness | 82580-8410 | 82580-8420 | EA, EH, EM |
| | | | | CA-3 |
| i-k | Floor wiring harness to Rear door LH wiring harness | 82580-8410 | 82580-8420 | EA, EH, EM |
| | | | | CA-3 |
| ba-bc | Battery cable-1 to Battery cable-3 | 82580-6720 | 82560-2770 | MA |
| | | | | EG-4, 8, 11, 15, 16, 20, 34, 38, 43, 47 |
| ea-ec 1 | Engine wiring harness-1 to Engine wiring harness-3_1 | 82560-3470 | 82560-3480 | BA, FA, GA, GD |
| | | | | EG-3 |

https://truckmanualshub.com/

| CONNECTOR No. | NAME | PART No. | | CIRCUIT OR AREA |
|---|---|---|---|---|
| | | MALE | FEMALE | |
| ea-ec 2 | Engine wiring harness-1 to Engine wiring harness-3_2 | 82580-8410 | 82580-8420 | BA, GA, GC, GD |
| | | | | EG-7, 10, 15, 16, 20, 29, 30, 31, 43 |
| ea-id | Engine wiring harness-1 (J05D, J05E, J08E) to Link-up connector | 82560-1200 | 82560-3480 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| ed-id | Engine wiring harness-1 (A09C) to Link-up connector | 82828-1070 | 82828-1080 | GM, GQ |
| | | | | EG-36, 37, 40 |
| ed-sm | Engine wiring harness-1 (A09C) to Air flow sensor sub wiring harness | 82580-9950 | 82580-8220 | GN |
| | | | | EG-36, 37, 40 |
| ee-id | Engine wiring harness (Thailand P11C) to Link-up connector | 82580-9880 | 82580-9590 | GB |
| | | | | EG-32, 33 |
| id-ia | Link-up connector to Injector wiring harness (J05D, J05E, J08E) | 82560-1200 | 82580-7980 | GA, GC, GD |
| | | | | EG-3, 7, 10, 15, 16, 20, 29, 30, 31, 43 |
| id-ib | Link-up connector to Injector wiring harness (A09C) | 82828-1070 | 82828-1080 | GM, GQ |
| | | | | EG-36, 37, 40 |
| id-ic | Link-up connector to Injector wiring harness (Thailand P11C) | 82580-9880 | 82580-9590 | GB |
| | | | | EG-32, 33 |
| sc-sd | Brake lock sub wiring harness to Brake lock (Pressure switch) sub wiring harness | 82580-6590 | 82580-6600 | HD |
| | | | | EG-4 |
| sc-se | Brake lock sub wiring harness to Brake lock (Buzzer) sub wiring harness | 82580-6590 | 82580-6600 | HD |
| | | | | EG-4 |

https://truckmanualshub.com/

## JUNCTION CONNECTOR

| CONNECTOR No. | NAME | PART No. | CIRCUIT OR AREA |
|---|---|---|---|
| Ja1 | J/C-1 | 82560-4800<br>82550-1390<br>82560-4800 | AD, AE, BA, BD, CB, DA, EA, EB, EL, EM, GA, GB, GC, GD, GE, GM, HA, HC, JA, JB, LB, LG, LH |
| | | | IP-1, 5 |
| Ja2 | J/C-2 | 82560-4800<br>82550-1380<br>82560-4800 | AD, BF, CB, CC, CJ, EH, EI, EM, EN, EO, GA, GB, GC, GD, GE, GF, HD, LA, LG, LH, LI |
| | | | IP-2, 6 |
| Ja3 | J/C-3 | 82560-4800<br>82550-1390<br>82560-4800 | BA, BD, BF, BG, BI, CA, CE, CI, EF, EJ, EL, EO, FA, GK, KA, KB, KC, LD |
| | | | IP-2, 6 |
| Ja4 | J/C-4 | 82560-2430<br>82550-1100<br>82550-1080<br>82550-1090 | BA, CB, CC, CF, CI, CJ, EM, GA, GB, GC, GD, GM, HA, HC, LB, LD, LG |
| | | | IP-2, 6 |
| Ja5 | J/C-5 | 82560-2470<br>82550-1200 | BA, BD, GA, GB, GC, GD, GE, GM, HA, HC, HD, LA, LG |
| | | | IP-1, 5 |
| Ja6 | J/C Common rail-1 | 82560-4190<br>82560-4200 | AD, GA, GB, GC, GD, GF, GH, GK, GL, GM, HA, HC, ID, LA, LG, LH |
| | | | IP-1, 5 |
| Ja7 | J/C Common rail-2 | 82560-4190<br>82560-4200 | GA, GB, GC, GD, GF, GH, GK, GL, KA, KB, KC |
| | | | IP-1, 5 |
| Ja8 | J/C Common rail-3 | 7282-5846<br>82560-2510 | GA, GB, GC, GD |
| | | | IP-2, 6 |
| Ja9 | J/C Common rail-4 | 82550-1360 | GA, GB, GC, GD |
| | | | IP-2, 6 |
| Ja10 | J/C Earth G4-a | 82580-8740<br>82550-1040 | BA, BD, BG, BH, BI, HB, HC, ID, LD, MA |
| | | | IP-3, 7 |
| Ja11 | J/C CAN | 82580-8740<br>82550-1060 | LB, LC |
| | | | IP-3, 6 |
| Ja12 | J/C Earth DR-N | 82550-1360 | GA, GB, GC, GD |
| | | | IP-1, 6 |
| Ja13 | J/C Earth G3 | 82580-8740<br>82550-1040 | AC, AE, BA, BD, CB, CC, CE, CF, DA, EA, EB, ED, EG, EK, EL, EM, EO,GC, GI, GJ, GK, HA, HD, IA, IB, ID, KA, KB, KC, LA, LH, MA |
| | | | IP-3, 7 |
| Ja14 | J/C Engine CAN | 82580-6040<br>82550-1230 | GO |
| | | | EG-35 |
| Ja20 | SA/SB J/C | 82550-1360 | ER, LA |
| | | | IP-2 |
| Ja21 | ISOK JC4P | 82550-1360 | ER, LB |
| | | | IP-4 |
| Ja22 | SA/SB E1JC | 82550-1360 | ER |
| | | | IP-3 |

https://truckmanualshub.com/

# Hino Motors, Ltd.

**Pub. No.** **S1-YFCE18A EWD '06-9**
**S1-YFCE18B EWD '06-11**
**S1-YFCE18C EWD '07-3**
**S1-YFCE18D EWD '07-8**
**S1-YFCE18E EWD '07-12**
**S1-YFCE18F EWD '08-3**
**S1-YFCE18G EWD '08-5**
**S1-YFCE18H EWD '08-7**
**S1-YFCE18I EWD '09-2**
**S1-YFCE18J EWD '10-2**
**S1-YFCE18K EWD '10-4**