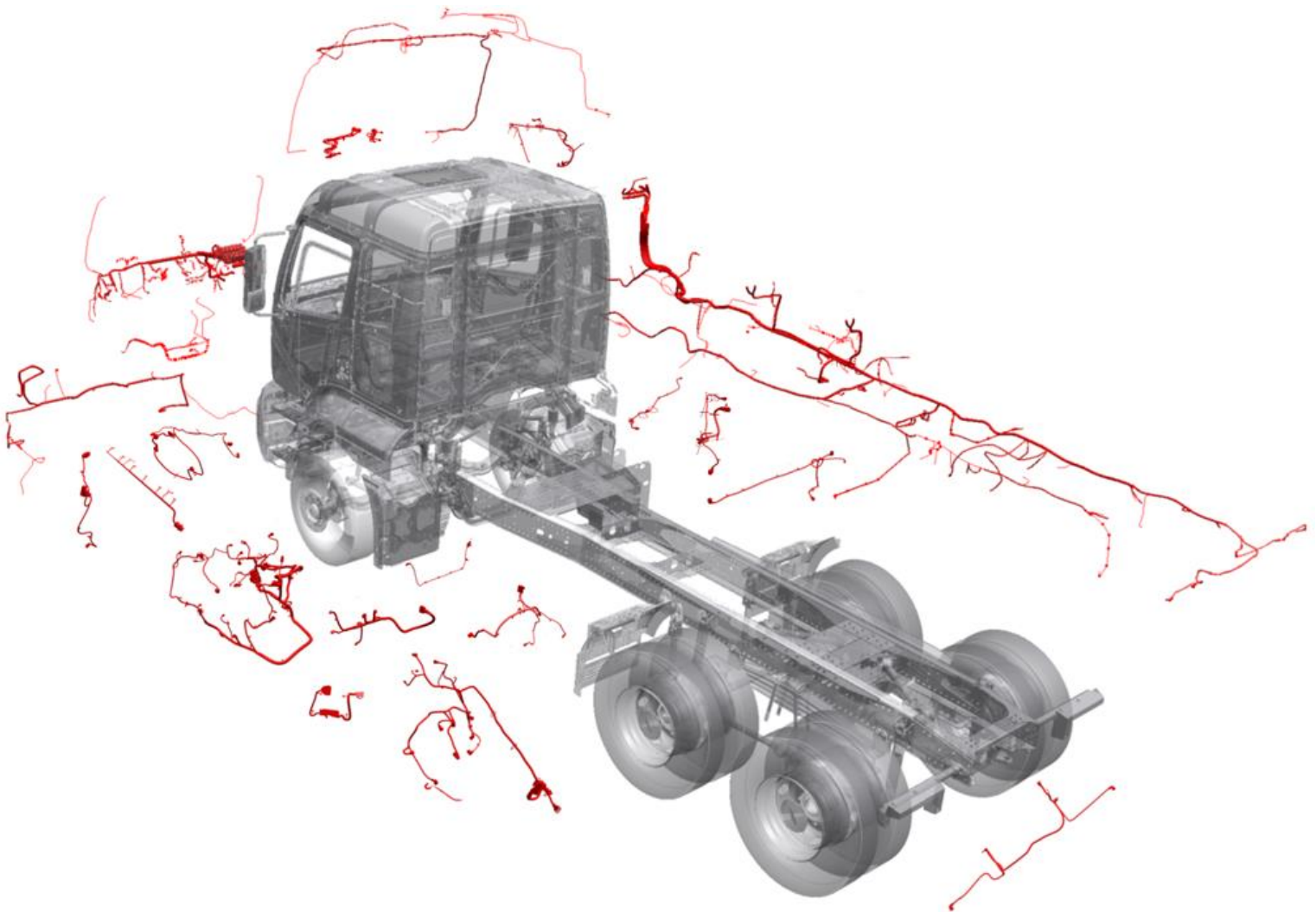


FORD TRUCKS

F-Line Electrical Workshop Manual





Ford Trucks Service Engineering	
Prepared by:	Aslıhan Akbudak Şık
E-mail:	aakbudak@ford.com.tr
Tel. No:	0 216 564 71 00

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Level	Date	Page	Name	Revision

PREFACE

This repair manual for Ford F-Line vehicles is prepared for providing correct and appropriate workshops services in technical manner.

This manual covers the information and repair methods required for performing electrical repair work that will be carried on the vehicle. Described repairs shall be performed by qualified and trained personnel.

It covers information on the system description, operation, and displaying the system on the vehicle, and electrical circuit diagrams, connector positions and pin layouts. Also, safety rules are provided in the introduction section.

Before starting any workshop procedure, relevant service bulletins shall also be inspected, if available, and procedures shall be performed according to the new information. Contact service representatives or relevant personnel of Ford Trucks Service Engineering department.

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SECTION 1: INTRODUCTION

1.1. Safety Alert

To prevent any accidents during repair and to ensure personnel safety and health, it is required to follow the procedures in this manual. Repair manual includes proper procedures and safety warnings for repair procedures. However, there are many variables in repair operations, such as the tools used, the skill of the technician and the physical conditions of environment etc. This repair manual does not consider all of these variables. Technician shall always consider his own safety.

1.2. Warnings:

Follow the general safety warnings below while working on the vehicle:

- Always use work goggles.
- If you shall work under a vehicle lifted with a jack, place a safety part under the axle.
- Hand brake shall be applied while the vehicle is parked.
- Chock the wheels to prevent moving of the vehicle.
- If the vehicle shall be operated inside the workshop, exhaust gas shall be discharged with an exhaust hose. Exhaust gas contains poisonous Carbon monoxide gas.
- Keep your body and garments away from moving and rotating parts on the vehicle. Especially, use caution while working near the pulley, belt and driveshaft. Wear proper work clothes.
- Avoid wearing clothes with long sleeves and cuffs.
- Do not touch hot parts on the vehicles which have recently been operated or have just arrived to the workshop. Parts such as hot exhaust muffler, catalyst, radiator, exhaust manifold etc. may cause serious burns.
- Do not smoke while working on the vehicle.
- Remove jewellery such as rings, watches, bracelets etc. if you will be working on the vehicle.
- If you will be working under the cab while the cab has been tilted, place a safety chock. Ensure that cab is completely tilted.
- Always make sure that nobody is present under the vehicle and in the vicinity of the vehicle before operating the vehicle.
- If the operation of the vehicle may cause risk for you, e.g. if you are working on parts such as radiator fan, driveshaft etc., remove the key from ignition switch. Put a “do not operate” sign on the steering wheel.

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1.3. Workshop Equipment

Vehicle Connection Interface: AVL DITEST VCI

Part No: BO08050-INTER-FACE

Recommended procurement point: Ford Otosan



OBD-VCI Connection Cable:

Part No: EX7548-INTER-FACE

Recommended procurement point: Ford Otosan



VCI-Computer(USB) Connection Cable:

Part No: BV8484

Recommended procurement point: Ford Otosan



Laptop Computer:

Recommended brand: Power Distribution & Ground

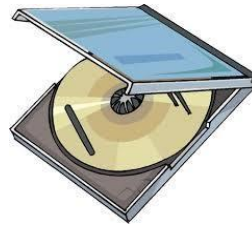
Recommended procurement point: Market



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Diagnostic Software: FODIT

Recommended procurement point: Ford Otosan



Digital Multimeter:

Recommended brand: Fluke® 88V/A

Recommended procurement point: Market



Inspection Lamp: 12V and 24V

Recommended brand: -

Recommended procurement point: Market



Pin Crimper:

Recommended brand: -

Recommended procurement point: Market



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Electric Line Piercing Clip

Recommended brand: Fluke® TP82

Recommended procurement point: Market



Insulation material:

- Electric tape
- Heat-shrink tubes with various diameters

Recommended brand: -

Recommended procurement point: Market

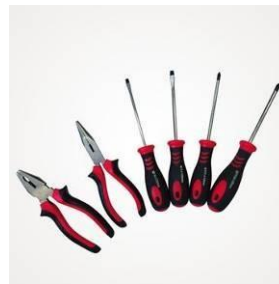


Standard service equipment:

- Set of pliers
- Set of diagonal pliers
- Set of flat screwdrivers
- Set of phillips screwdrivers

Recommended brand: -

Recommended procurement point: Market



SECTION: 2 FUSES AND RELAYS

2.1. General Description for Fuses

Fuses and relays are the first points to be checked in an electrical failure. This section describes the fuses and relays in the vehicle and their functions.

Fuses are safety elements. They are included in the system in order to protect the power line and the component that they are connected to. They are included in the electrical system in order to protect the power line in case of excessive current consumption and/or short circuit. When the fuse is blown, it shall be replaced in order to remove the fault. However, it shall be examined carefully why the fuse has blown, the root cause of the fault and proper intervention shall be made to resolve this.

If there is a problem with the fuse:

- 1- Wiring shall be checked.
- 2- Components connected to the wiring shall be checked.

Always use 'genuine' fuses and relays with 'correct amperage'.

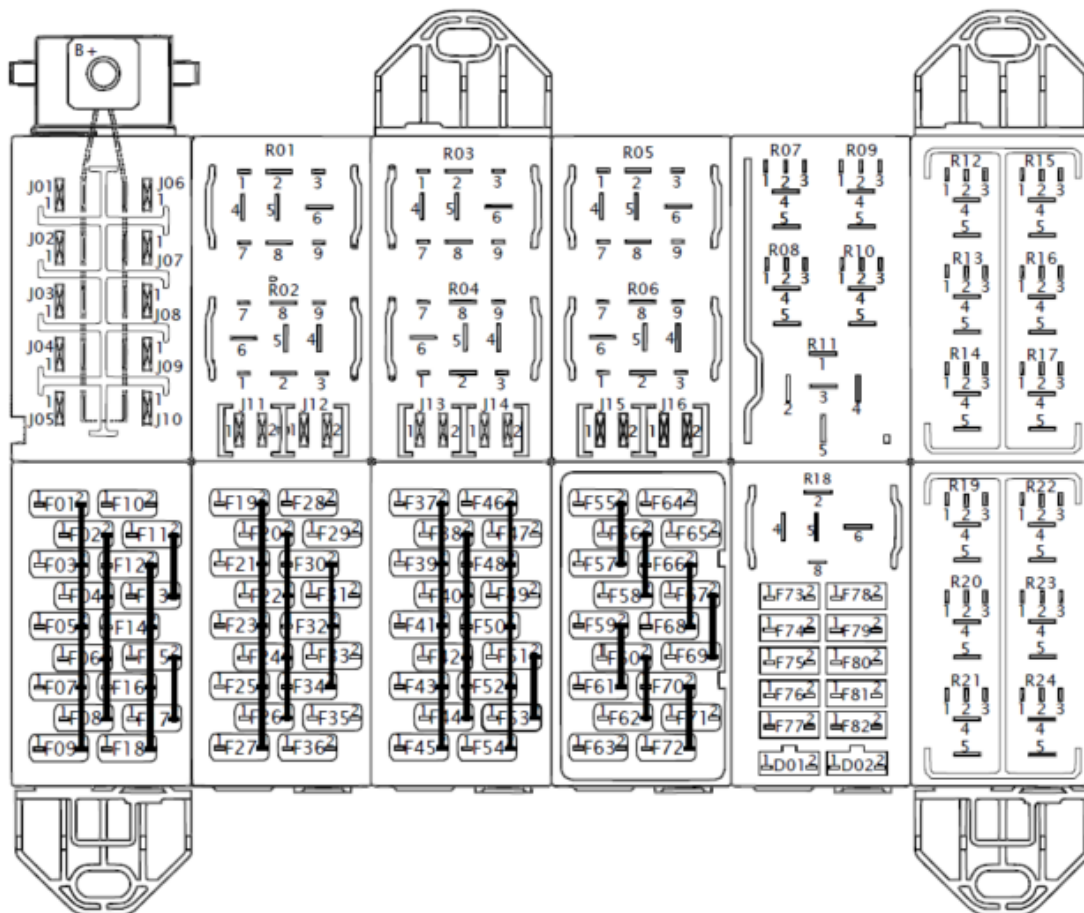
Components inside the Fuse Box:

- BLADE FUSE (shown with a J)
- MINI FUSE (shown with an F)
- RELAYS (shown with a R)
- MEGA FUSE
- DIODES (shown with a D)

In the console area of the vehicle, there are two fuse boxes connected to the 14401 wiring. One is the main fuse box located under the maintenance cover on the right side of the console. The other is the auxiliary fuse box that is newly commissioned with F-Line vehicles, its location is in the lower left area of the steering wheel.



2.2. Fuse and Relay Box: (Main Fuse Box)



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Fuse and Relay Box Diagram View for Main Fuse Box:

J01	J06	R01		R03		R05		R07	R09	R12	R15
J02	J07							R08	R10		
J03	J08	R02		R04		R06		R11		R13	R16
J04	J09									R14	R17
J05	J10	J11	J12	J13	J14	J15	J16				
F1	F10	F19	F28	F37	F46	F55	F64	R18		R19	R22
F2	F11	F20	F29	F38	F47	F56	F65				
F3	F12	F21	F30	F39	F48	F57	F66				
F4	F13	F22	F31	F40	F49	F58	F67	F73	F78	R20	R23
F5	F14	F23	F32	F41	F50	F59	F68	F74	F79		
F6	F15	F24	F33	F42	F51	F60	F69	F75	F80		
F7	F16	F25	F34	F43	F52	F61	F70	F76	F81	R21	R24
F8	F17	F26	F35	F44	F53	F62	F71	F77	F82		
F9	F18	F27	F36	F45	F54	F63	F72	D01	D02		

2.2.1. Fuses:

NO	AMPERE	SYSTEM	NO	AMPERE	SYSTEM
F1	5	:EBS ABS	F15	25	VOLTAGE CONVERTER-1 KL30 :ALL
F2	10	EHPAS, RSA POWER UNIT :ALL	F16	10	AUTOMATIC TRANSMISSION KL30 :TR_D1-TR_FK
F3	2	CENTRAL GATEWAY MODULE (CGW) KL15	F17	10	INSTRUMENT CLUSTER :ALL
F4	7,5	FRONT CAMERA & LONG RANGE RADAR & PCCM KL15 :EBS&&EU6	F18	25	VOLTAGE CONVERTER-2 KL30 :ALL
F5	7,5	INTARDER, RETARDER: ((TR_D2 TR_D1-TR_FK) &&(INT3)) (INT3&&MANUAL)	F19	5	A/C COMPONENTS :ALL
F6	10	AUTO TRANSMISSION KL15 :TR_D1-TR_FK TR_FM	F20	7,5	SWITCHES &BRAKE LOCKING VALVE:ALL
F7	3	INSTRUMENT CLUSTER KL15 :ALL	F21	20	A/C BLOWER :ALL
F8	5	ENGINE CONTROL UNIT (ECM) :ALL	F22	7,5	ACCESSORY LIGHTING :ALL
F9	5	TACHOGRAPH KL15 :ALL	F23	5	CHASSIS VCU KL15 :ALL
F10	3	TACHOGRAPH KL30 :ALL	F24	20	FUEL FILTER HEATER, AIR DRYER :ALL
F11	20	CHASSIS VCU KL30 :ALL	F25	3	VOLTAGE CONVERTER 1 & 2 KL15 : ALL
F12			F26	7,5	TRAILER KL15 :TRL
F13	7,5	INTARDER :INT3&&MANUAL	F27	3	MULTIFUNCTION SWITCH KL15 :ALL
F14	5	PCCM KL30 :ALL	F28	30	WINDSHIELD HEATER-1 KL30 :COLDPACK



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F29	30	WINDSHIELD HEATER-2 KL30 :COLDPACK	F50	7,5	TRAILER PARK LIGHTS RIGHT:ALL
F30	3	MULTIFUNCTION SWITCH KL30 :ALL	F51	3	SWITCHES KL30 :ALL
F31	5	ALCOHOL INTERLOCK KL15 :ALL	F52	5	TACHOGRAPH PARK :ALL
F32	15	:EBS ABS	F53	15	CIGAR LIGHTER :ALL
F33	15	DNOX MODULE & UREA HEATER :ALL	F54	7,5	TRAILER PARK LIGHTS LEFT:ALL
F34	20	ENGINE CONTROL UNIT (ECM) :ALL	F55	20	A/C BLOWER (WET TYPE) :ALL
F35	7,5	WEMA :EU6	F56	20	BCU1_7 :ALL
F36	15	NOX :ALL	F57	20	FUEL FIRED HEATER :HEATER
F37	20	24V POWER POINT :ALL	F58	20	BCU1_8 :ALL
F38	7,5	COURTESY LIGHTING :ALL	F59	3	BLIS, SHORT RANGE RADAR :EBS&&EU6
F39	3	ERAGLONASS SYSTEM KL30 SUPPLY :GLNSS	F60	10	HORN :ALL
F40	3	ROLLING BACK MODULE KL30	F61	2	TPMS KL15 :ALL
F41	10	BRAKE LIGHTS :ALL	F62	5	TPMS KL30 :ALL
F42	15	ROOF BEACON, TRIPLE ROOF MARKER :BEACON	F63	2	ALTERNATOR W SIGNAL :ABS&&MANUAL
F43	5	TRAILER AXLE LIFTER :ALL	F64	20	BCU1_1 :ALL
F44	10	REVERSE GEAR :ALL	F65	20	BCU1_2 :ALL
F45	3	CENTRAL GATEWAY MODULE KL30 :ALL	F66	20	BCU1_3 :ALL
F46	7,5	RIGHT PARK LIGHTS :ALL	F67	20	BCU1_4 :ALL
F47			F68	20	BCU1_4 :ALL
F48	7,5	LEFT PARK LIGHTS :ALL	F69	20	BCU1_6 :ALL
F49	30	TRAILER 7 PIN SUPPLY :TRL	F70	5	IGNITION SWITCH :ALL

NO	AMPERE	SYSTEM	NO	AMPERE	SYSTEM
F71	15	VGT&EGR KL30:ALL	F82	3	HEADLAMP SWITCH (12V):ALL
F72	5	ALCOHOL INTERLOCK KL30 :ALL	J1	60	INTARDER, VCU, CONVERTER-1, CLUSTER :ALL
F73			J2	60	PCCM, TACHO, CONVERTER-2, AUTOMATIC TRANSMISSION :ALL
F74			J3	40	LIGHTS :ALL
F75			J4	40	WEBASTO :ALL
F76	20	POWERPOINT 12V :ALL	J5	30	AUTOMATIC TRANSMISSION : TR_FM
F77	7,5	RAIN SENSOR & HEADLAMP ASSEMBLIES LHS & RHS :ALL	J6	30	TRAILER 7 PIN SUPPLY:TRL
F78	5	USB CHARGER :ALL	J7	60	BCU1 :ALL
F79	20	AFTERMARKET BATT.SUPPLY OUTSIDE CABIN KL30 :ALL	J8	60	BCU2 :ALL
F80	15	AFTERMARKET IGN.SUPPLY&FMS&PTO LOWERING KL15 :ALL	J9	40	BCU3 :ALL
F81	20	AFTERMARKET BATT.SUPPLY INSIDE CABIN&T.C AVAILABLE:ALL	J10	40	ABS/EBS, ECM, MFS :ALL



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J11	40	IGNITION-1 :ALL	J16	60	CIGAR LIGHTER&AFTERMARKET SWITCHES KL30 :ALL
J12	40	IGNITION-2 :ALL			
J13	30	CABIN TILTING :ALL			
J14	60	IGN SWITCH, WEMA, NOX, VGT&EGR, SUCTION LINE& ELECTRO HEATER, ALCOLOCK :ALL	D01	1	SUNROOF - WAKEUP 1 :ALL
J15	60	WINDSHIELD HEATER:COLDPACK	D02	1	SUNROOF - WAKEUP 2 :ALL

J (BLADE) FUSE DESCRIPTION

AMPERE [A]	COLOR	MANUFACTURER	PART NUMBER
20	BLUE	YAZAKI	F8SB-14A094-AA
30	PINK	YAZAKI	F8SB-14A094-BA
40	GREEN	YAZAKI	F8SB-14A094-CA
60	YELLOW	YAZAKI	XS21-14A094-AA

F (MINI) FUSE DESCRIPTION

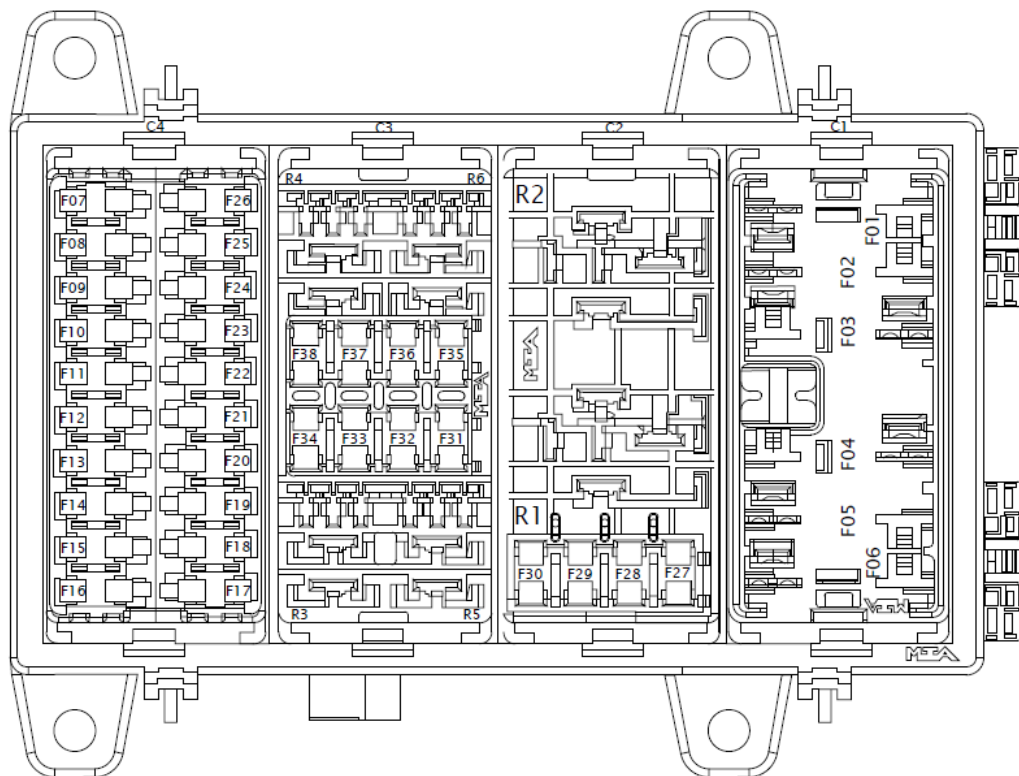
AMPERE [A]	COLOR	MANUFACTURER	PART NUMBER
3	VIOLET	LITTELFUSE	1L3T-14A094-BA
5	ORANGE	LITTELFUSE	1L3T-14A094-DA
7.5	BROWN	LITTELFUSE	1L3T-14A094-EA
10	RED	LITTELFUSE	1L3T-14A094-FA
15	BLUE	LITTELFUSE	1L3T-14A094-GA
20	YELLOW	LITTELFUSE	1L3T-14A094-HA
30	GREEN	LITTELFUSE	1L3T-14A094-KA

2.2.2. Relays:

CODE	AMPERE	SYSTEM	PART NUMBER
R01	40 A	IGNITION RELAY-1 :ALL	DU5T-14B192-BA
R02	40 A	VGT&EGR&WEMA&NOX RELAY :ALL	DU5T-14B192-BA
R03	40 A	IGNITION RELAY 2 :ALL	DU5T-14B192-BA
R04	40 A	WINDSHIELD HEATER 1 :COLDPACK	DU5T-14B192-BA
R05	40 A	WINDSHIELD HEATER 2 :COLDPACK	DU5T-14B192-BA
R06	40 A	CABIN TILTING :ALL	DU5T-14B192-BA
R07	20 A	ROOF BEACON :BEACON FRD	DU5T-14B192-AA
R08	20 A	AUXILLARY RELAY :ALL	DU5T-14B192-AA
R09	20 A	TRAILER AXLE LIFTER :ALL	DU5T-14B192-AA

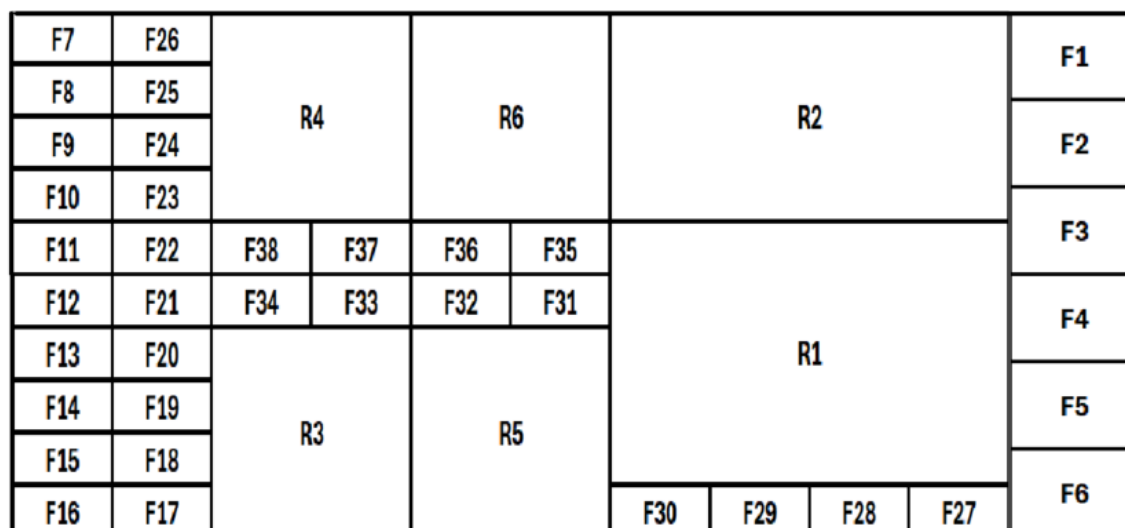
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R10	20 A	BLOWER 1 :ALL	DU5T-14B192-AA
R11	40 A	IGNITION:3 ALL	DU5T-14B192-BA
R12	20 A	ENGINE STOP :ALL	DU5T-14B192-AA
R13	20 A	BLOWER 2 :ALL	DU5T-14B192-AA
R14	20 A	RUN/ACCESSORY :ALL	DU5T-14B192-AA
R15	20 A	BRAKE LIGHT 1 RELAY :ALL	DU5T-14B192-AA
R16	20 A	REVERSE GEAR (BACKUP LAMPS) :ALL	DU5T-14B192-AA
R17	20 A	PARK LIGHTS :ALL	DU5T-14B192-AA
R18	40 A	BRAKE LIGHT 2 RELAY: ABS	DU5T-14B192-BA
R19	20 A	BRAKE LOCKING VALVE :ALL	DU5T-14B192-AA
R20	20 A	T.C. AVAILABLE :ALL	DU5T-14B192-AA
R21	20 A	BATTERY SAVER (LATCHING) - 12V 20A :ALL	DU5T-14B192-AA
R22	20 A	TRIPLE ROOF MARKER :ALL	DU5T-14B192-AA
R23	20 A	HORN :ALL	DU5T-14B192-AA
R24			

2.3. Fuse and Relay Box: (Auxiliary Fuse Box)


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Fuse and Relay Box Diagram View for Auxiliary Fuse Box:



2.3.1. Fuses

NO	AMPERE	SYSTEM	NO	AMPERE	SYSTEM
F1	60	BCU2_1_M :FRD	F19	20	WIPER MOTOR :ALL
F2	60	BCU2_2_M :FRD	F20	10	HEATED MIRRORS :ALL
F3	20	IGNITION-1 :ALL	F21	1	VCU DIODE-1 :ALL
F4	40	WIPER, OBD, HEATED MIRRORS :COLDPACK	F22	1	VCU DIODE-2 :ALL
F5			F23	1	GARBAGE TRUCK BACKROLL
F6			F24	7,5	REMOTE KEY ENTRY-DOUBLE CAB
F7	20	BCU2_1 :FRD	F25	2	AC COMP SWITCH RELAY :ALL
F8	20	BCU2_2 :FRD	F26		
F9	20	BCU2_3 :FRD	F27		
F10	20	BCU2_4 :FRD	F28		
F11	20	BCU2_5 :FRD	F29		
F12	20	BCU2_6 :FRD	F30		
F13	5	BCU2_KL15 :FRD	F31	7,5	DUMMY SWITCH-1 :ALL
F14	5	BCU2_KL75 :FRD	F32	7,5	DUMMY SWITCH-2 :ALL
F15	10	BELT MINDER W/HEATED SEAT :ALL	F33	20	BCU-1 12V KL15 :ALL
F16	5	KNOB SHIFTER:TR_D2	F34	20	RADIO KL30 :ALL
F17	3	TO REMOTE CONTROL ECAS : C4AS C6AS	F35	5	POWER WINDOW & MIRRORS SWITCH LHS 12V :ALL
F18	10	DIAGNOSTIC TOOL-1 :ALL	F36	3	REAR PARK AID ASSIST :EBS&&EU6



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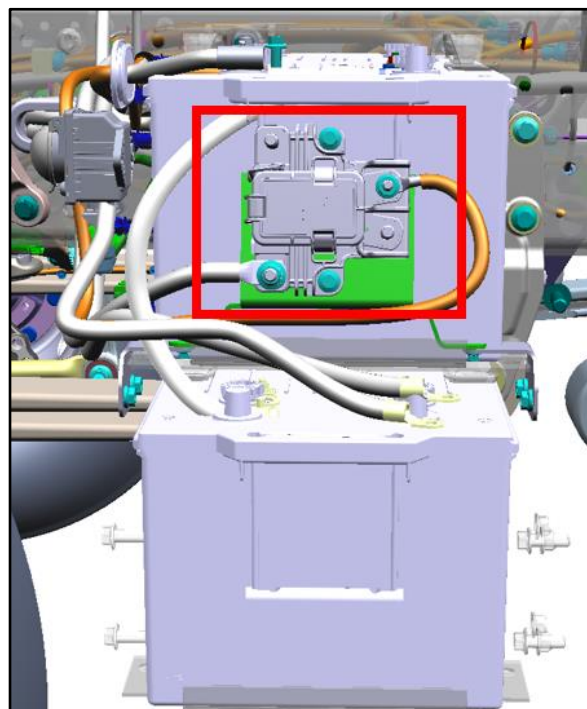
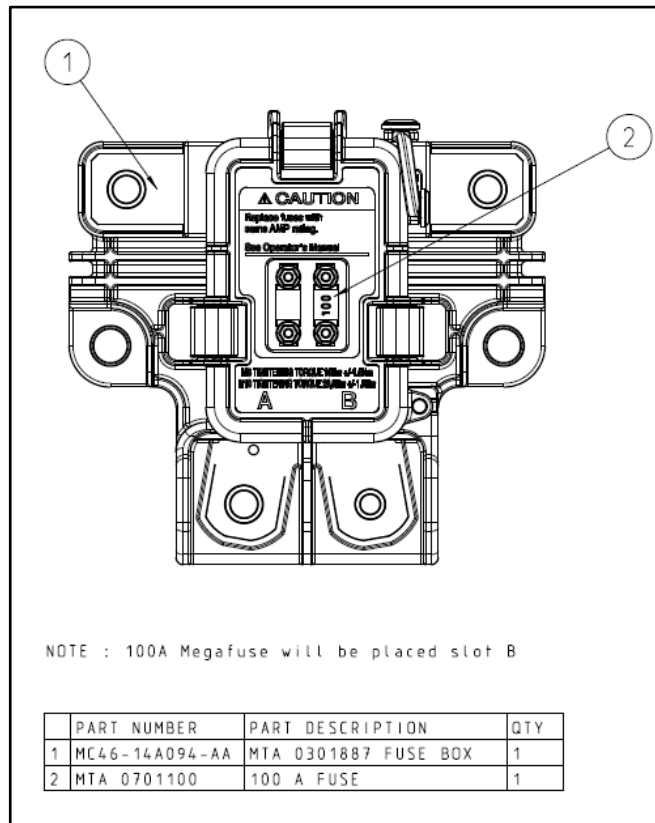
2.3.2 Relays:

CODE	AMPERE	SYSTEM	PART NUMBER
R01	40 A	IGNITION RELAY-1 :ALL	DU5T-14B192-BA
R02	20 A		
R03	20 A	DUMMY SWITCH 1 :ALL	DU5T-14B192-AA
R04	20 A	DUMMY SWITCH 2 :ALL	DU5T-14B192-AA
R05	20 A	MIRROR HEATER RELAY:ALL	DU5T-14B192-AA
R06	20 A	AC COMP SW RELAY: ALL	DU5T-14B192-AA

FUSE DESCRIPTION				
AMPERE [A]	COLOR	MANUFACTURER	TYPE	PART NUMBER
2	GREY	MTA	Minival	0600090
3	VIOLET	MTA	Minival	0600220
5	LIGHT BROWN	MTA	Minival	0600240
7,5	BROWN	MTA	Minival	0600120
10	RED	MTA	Minival	0600260
20	YELLOW	MTA	Minival	0600280
20	YELLOW	MTA	Maxival	0600900
40	ORANGE	MTA	Maxival	0600920

2.4. Electro-Hydraulic Power-Assisted Steering (EHPAS) Fuse:

EHPAS fuse box with the 100A fuse is located on the battery plate area on the right side of the vehicle.

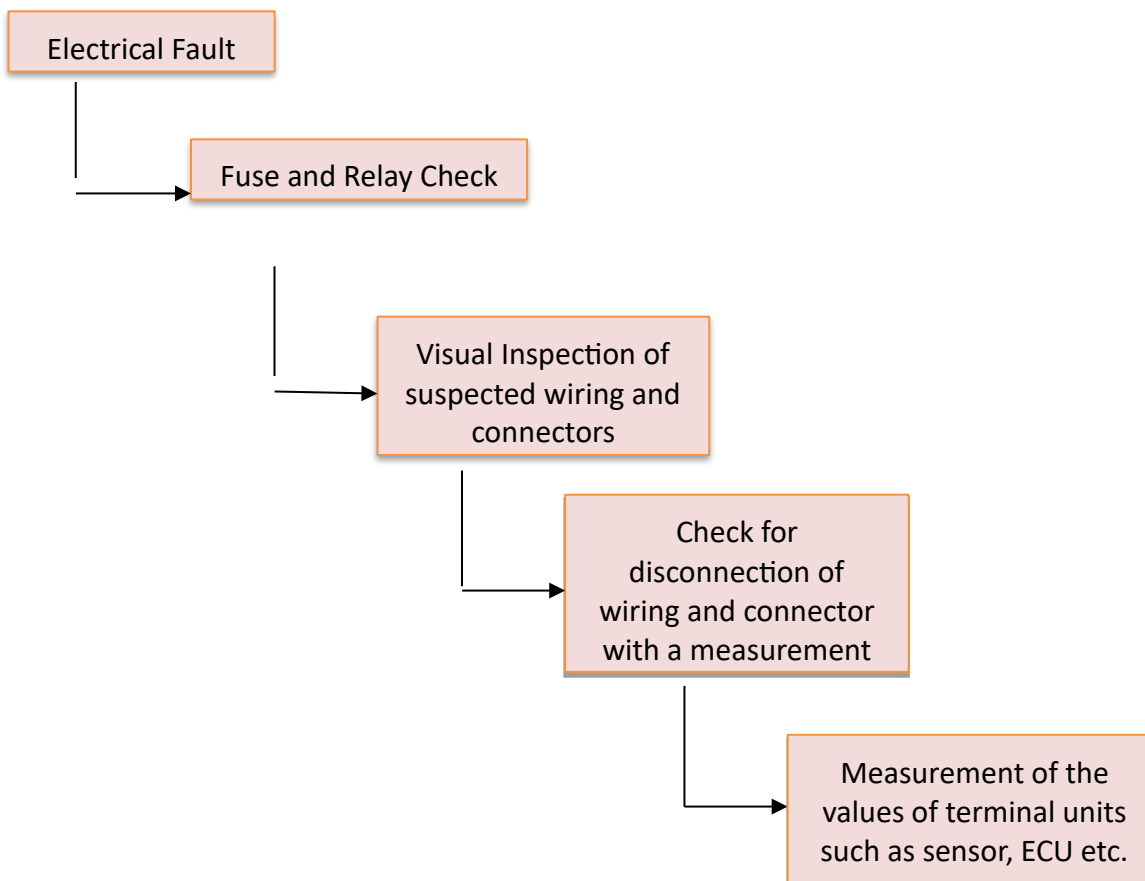


SECTION: 3 WIRING INSTALLATIONS

3.1. Basic Approaches on Fault Finding

We have mentioned in section 2 that the fuses and relays are the first points to be checked in an electrical failure. If there is no failure on fuses or relays, visually inspect the relevant line.

During visual inspection, check for cable sheath damage and whether the conductive part has come out due to friction in wires especially. Connectors on the line may be removed and re-installed again for visual inspection. Check for oxidation, loosening of the pins and check whether they are driven in. If you cannot observe any fault, check for open (disconnection) or short circuit in the line. If the line is also OK, perform measurements of terminal units such as control units.



The main guide in these inspections is the “wiring diagrams.” These shall be available in the computer or in the briefcase of each technician as a printed book.

Open circuit or short circuit faults may be “continuous” or may appear intermittently as per conditions. For example, fault may appear when the vehicle falls in a pit or when it enters a turn with a high speed, and it may be non-apparent when the vehicle is on a straight road. Intermittent faults are the most difficult ones to diagnose. In this respect, “passive” faults displayed in the diagnostics unit give us important information. If it is required to repeat the fault condition, one of the methods is making a test drive by connecting a measurement tool and trying to repeat the fault by changing many driving and environmental parameters. For example, if a CAN line disconnection is present between automatic transmission and Engine ECU, it is possible to view the disconnection moment graphically in a road test by connecting an oscilloscope to the transmission CAN line.

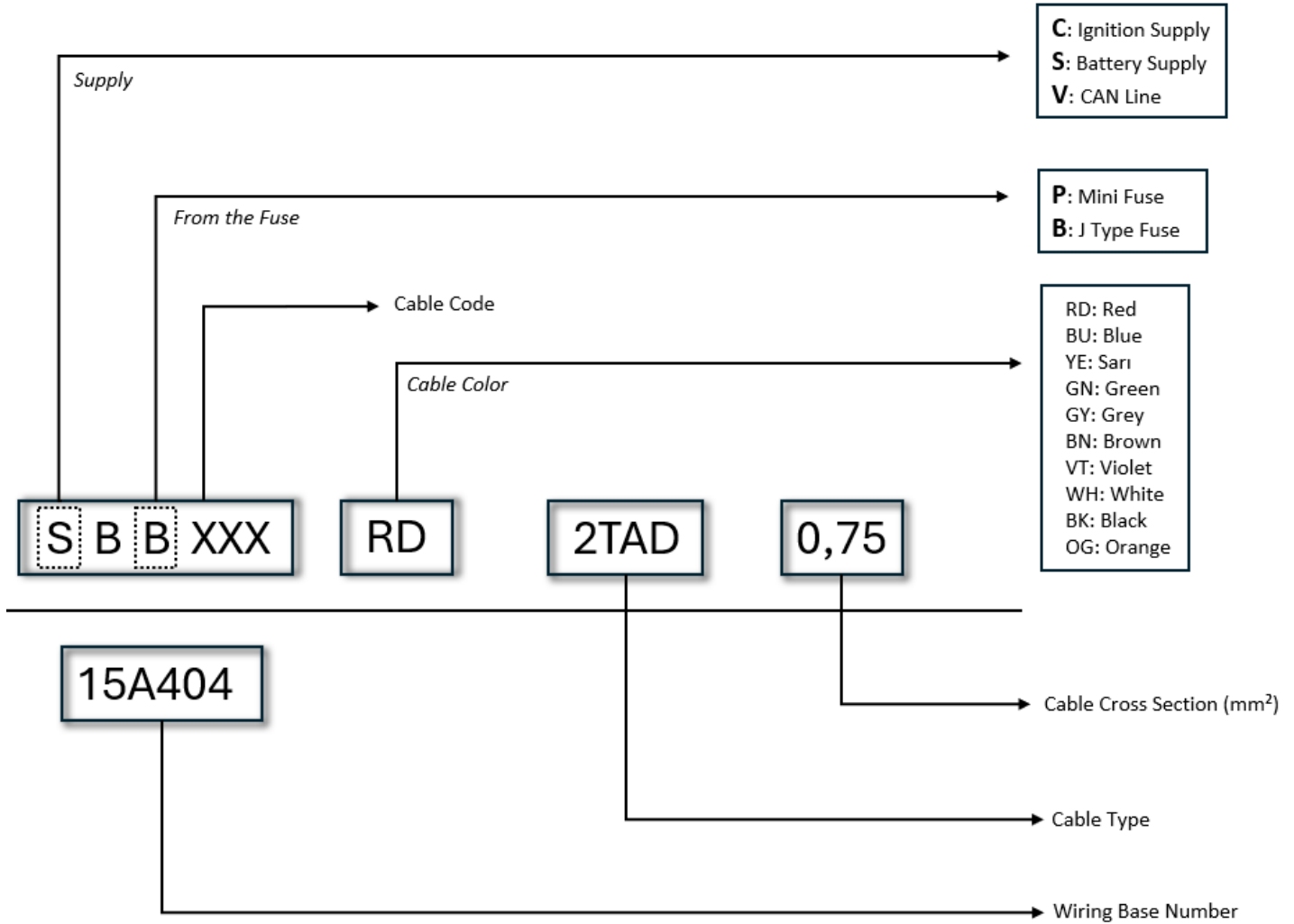
Another way of recurring the fault is "static" operation. It is checked whether the fault recurs by jiggling the suspected line while the vehicle is parked.

Some examples that may cause a fault in the power line:

- Driving in of the connector pin: this condition is seen in connectors frequently removed and installed.
- Loosened female to male connection due to the loosening of connector tab:
- Corrosion (oxidation) of connector pins: Corrosion makes that the pins lose their conductive properties and causes an open/short circuit due to the contact of the liquids such as water, acid etc. with connector pins. Corrosion may especially be seen in areas where contact with liquids is probable. For example, it may be encountered with higher risk of mud, snow splashes, or where liquids flow from the upperstructure to the connector. (This shall be considered in vehicles that carry liquids such as mixers, dump trucks, tankers etc.)
- Wire short circuit due to friction
- Damage to the wire that connect the trailer to vehicle while cornering
- Overheating of a source in the vicinity of the connector; e.g. a turbocharger or falling of the wiring in the vicinity of a heat producing source due to break of the cable tie that fixes the line.



3.2. Wiring Diagram Abbreviations:

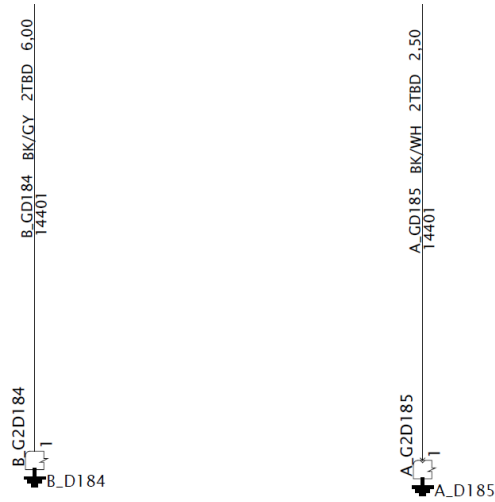


VMC39T BU 2TAD 0,35
15A404

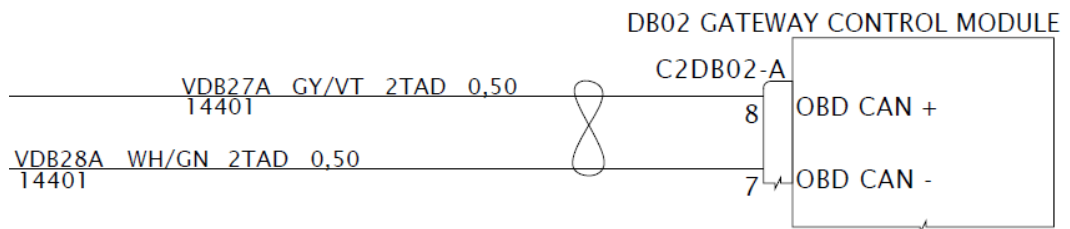
SBP10C YE/RD 2TAD 0,75
15A404

CBP09C VT/GY 2TAD 0,75
15A404

GD = Ground (Chassis)

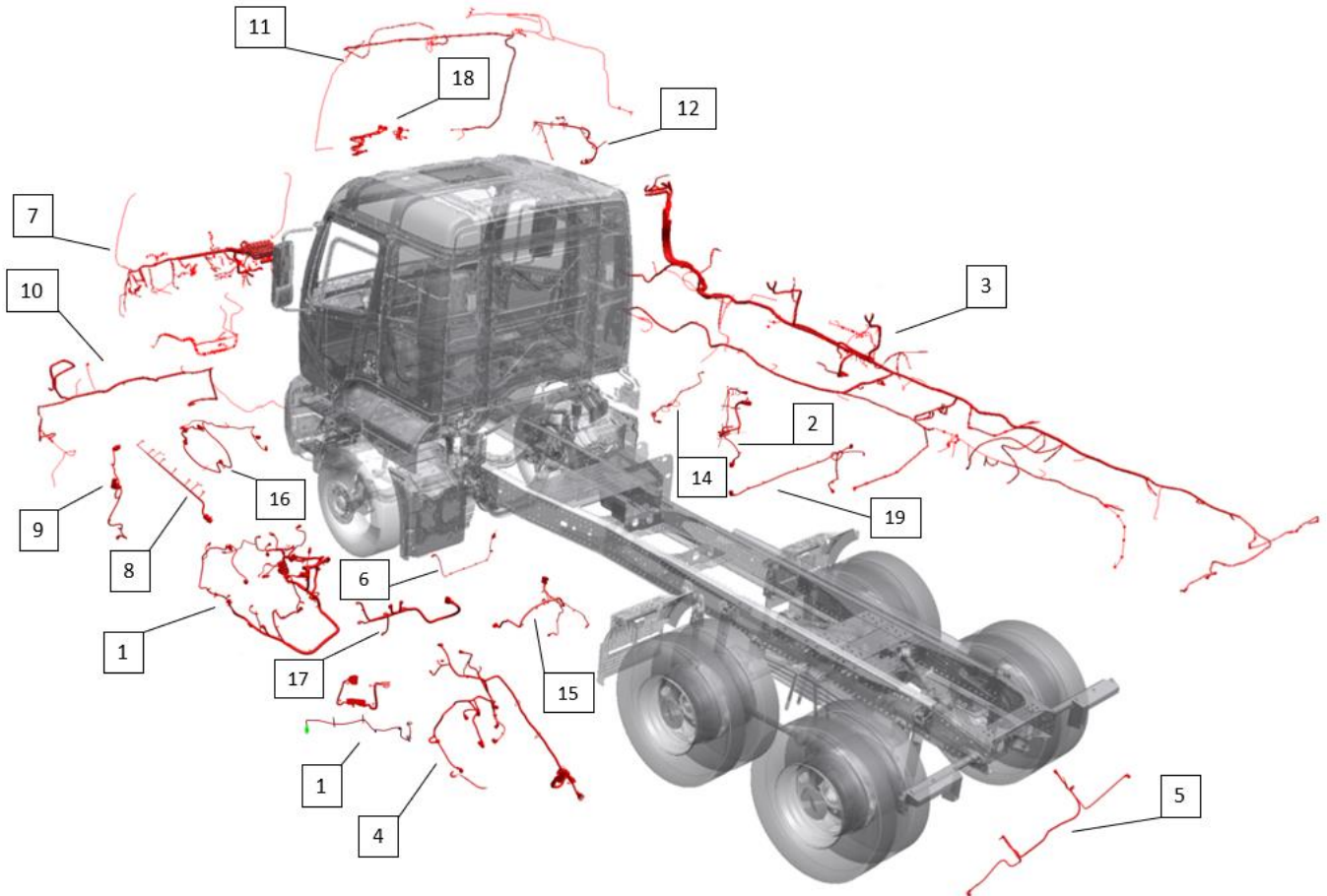


VDB = CAN Line



3.3. 3D indication of vehicle wiring installations:

There are 26 main wirings on a vehicle. You may find detailed information the wirings, connectors on the wirings and checking of wirings on the following pages.



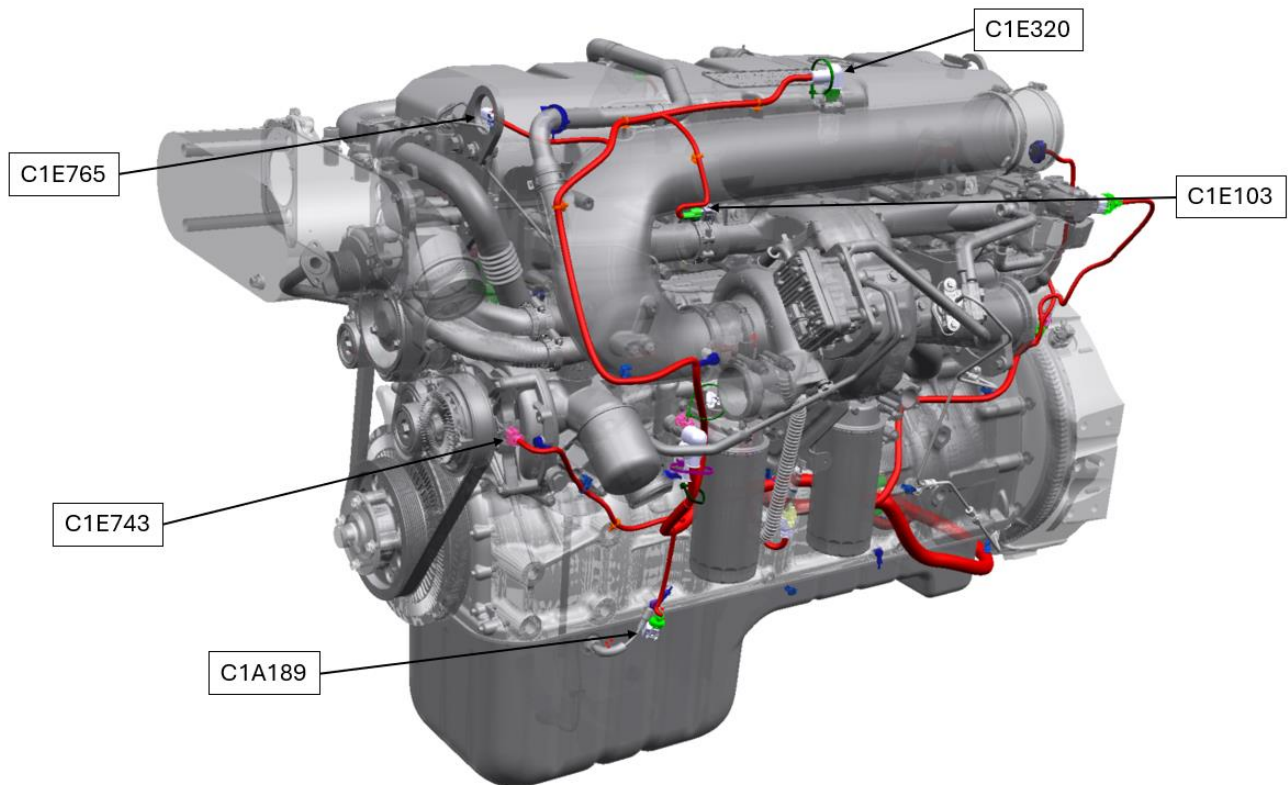
Sequence No.	Name of the wiring	Middle No.
1	Sensor on Engine Wiring	12A690
2	SCR-AdBlue Wiring	14D378
3	Chassis Wiring	14398
4	On-transmission Wiring	14K039
5	Exhaust-SCR Wiring	9L430
6	Injector Wiring	9H589
7	Cab Internal Console Wiring	14401
8	Bumper Wiring	13N052
9	Cab Internal Wiring from Driver Side to Passenger Side	14B242
10	Roof Wiring	15A404
11	Door Internal Wiring	14A584
12	Rear Lighting Wiring	14405
13	VCU-Radar Wiring	14406
14	Electrical Cab Tilting Wiring	14C574

TRUCKS

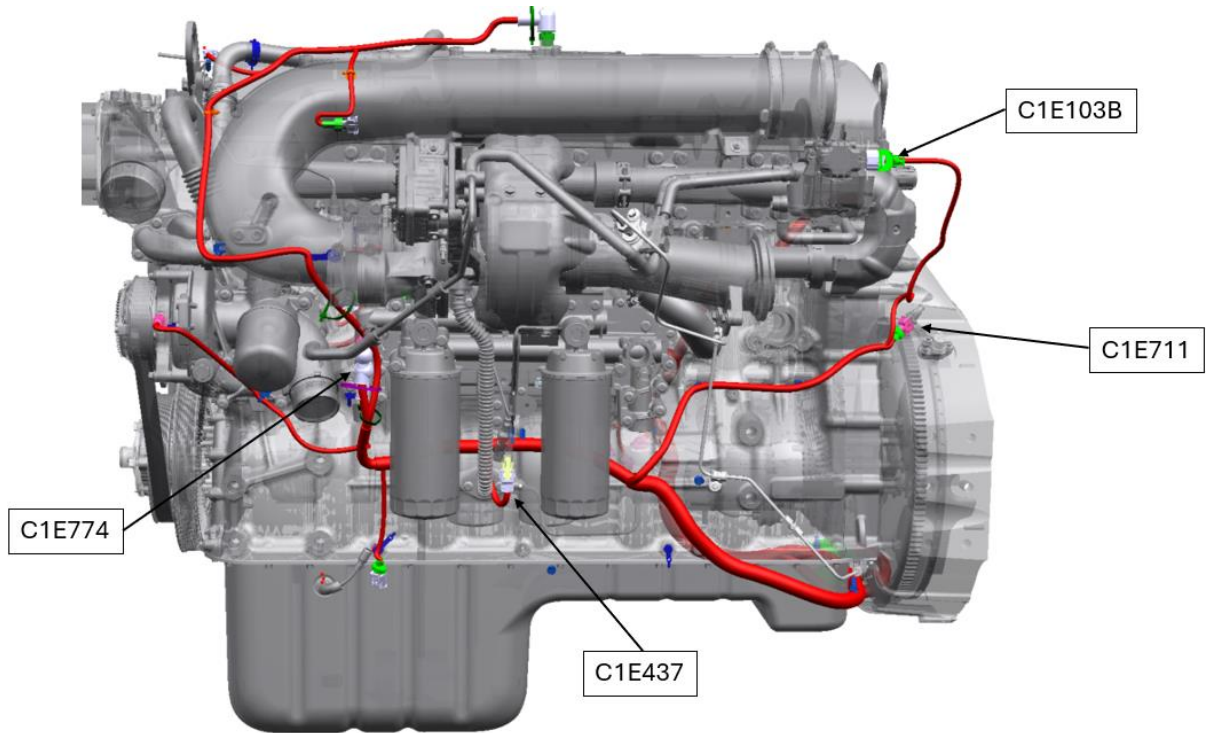
15	In House Transmission Wiring	7E443
16	Era Glonass Wiring	3D096
17	Sidemarket Wiring	14D146
18	Console Wiring	14A320
19	Cabin Latch Switch Wiring	14F502
20	Grid Heater - Engine Ground Wiring	6B018
21	Battery Master Switch - Battery (+) Wiring	14300
22	Battery Master Switch - Battery (-) Wiring	14301
23	Battery Master Switch - Ground Wiring	10K701
24	Battery Wiring	14304
25	Alternator-Starter Wiring	12A522

3.3.1. 12A690 → Sensor on Engine Wiring

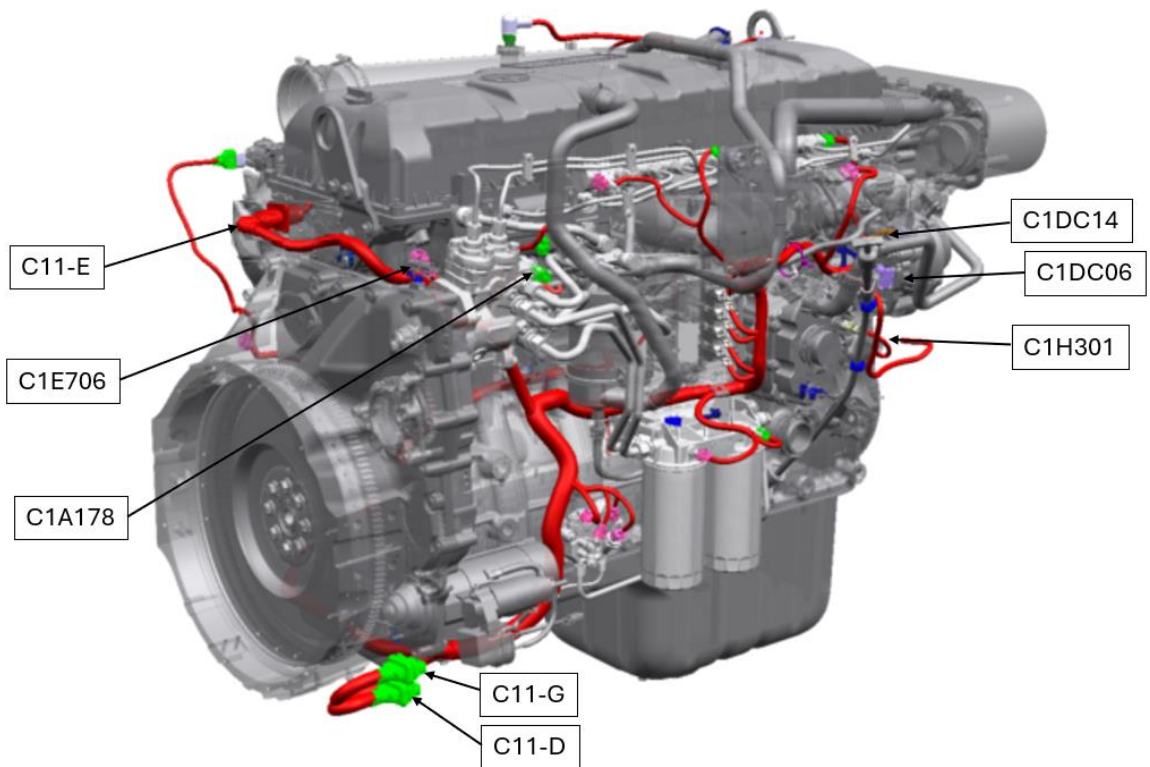
C1E765, C1E320, C1E743, C1A189, C1E103 Connectors:



C1E774, C1E437, C1E103B, C1E711 Connectors:



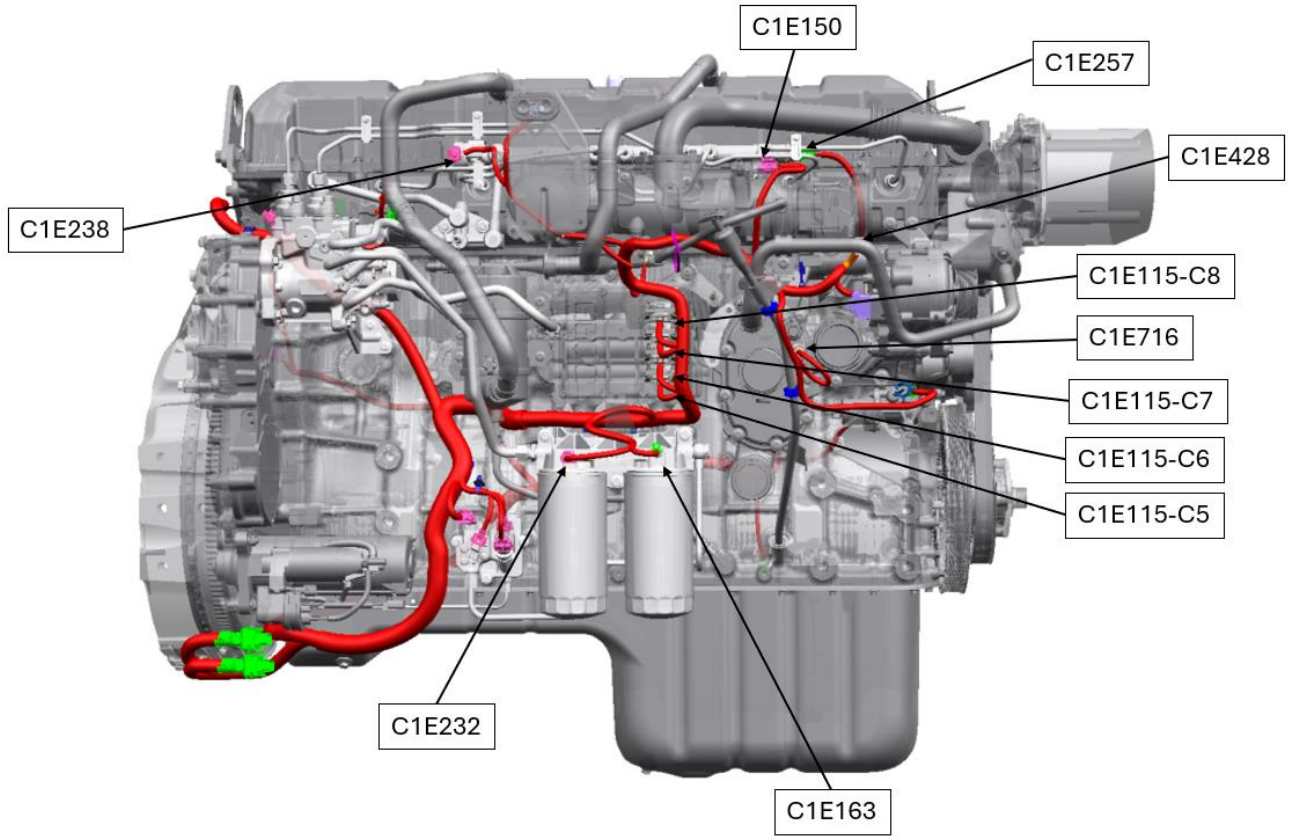
C11-E, C1E706, C1A178, C11-G, C11-D, C1DC14, C1DC06, C1H301 Connectors:



TRUCKS

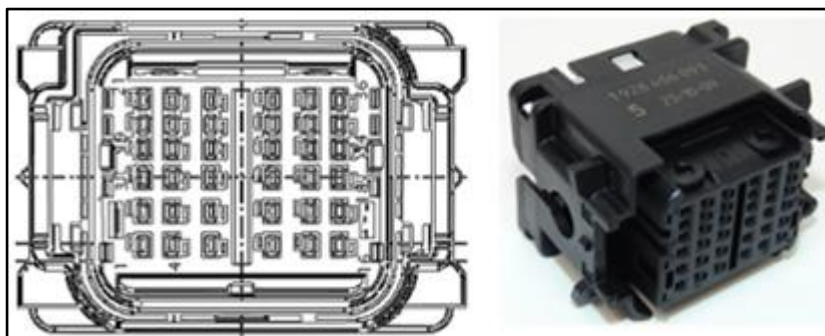
C1E238, C1E150, C1E257, C1E428, C1E716, C1E115-C8, C1E115-C7, C1E115-C6, C1E115-C5, C1E163, C1E232

Connectors:

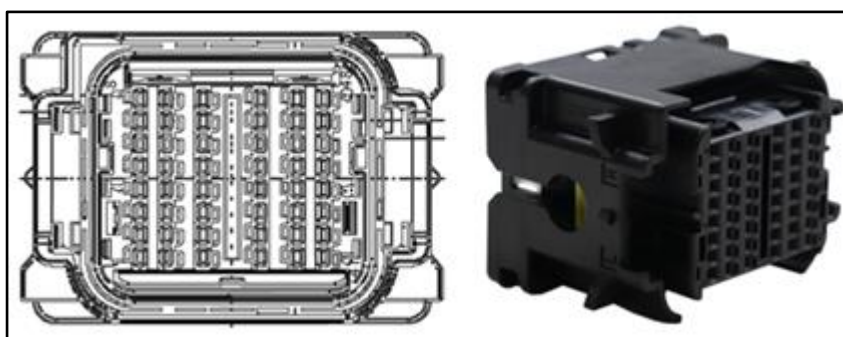


TRUCKS

12A690→Sensor on engine wiring connector descriptions:



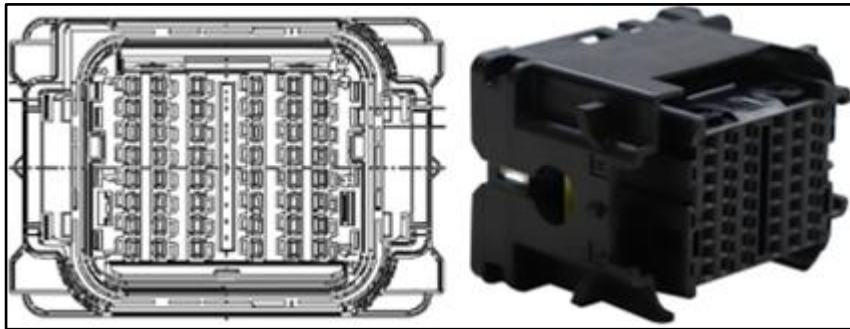
Con. Code	C1E115-C5			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C5 CONNECTOR			
Pin No	Cable Code	Cable Section	Cable Color	Function
1	VE819	1	GREEN/VIOLET	Throttle Flap Actuator Pos (+)
4	VE818	1	BROWN	Throttle Flap Actuator Neg (-)
9	CE174	1	YELLOW/ GREY	MCT-Pump HS
12	CE628	0,75	GREY	MCT-Pump LS
14	LE428	0,75	BROWN/WH	Throttle Flap Sensor Supply
19	VE720	0,75	VIOLET	Throttle Flap Sensor Ground
20	VE820	0,75	GREY	Throttle Flap Sensor
22	RE238	0,75	BROWN/BROWN	Single Rail Pressure Sensor Ground
23	VE727	0,75	BROWN/BROWN	Single Rail Pressure Sensor
25	ZA152	0,75	ORANGE/GREEN	Fuel Temperature Sensor Ground
26	RE232	0,75	VIOLET/WH	Fuel Temperature Sensor
30	LE437	0,75	YELLOW	Turbine Wheel / VGT Speed Sensor (+)
33	RE437	0,75	GREY	Turbine Wheel / VGT Speed Sensor (-)
34	LE238	0,75	GREY	Single Rail Pressure Sensor Supply



Con. Code	C1E115-C6			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C6 CONNECTOR			
Pin No	Cable Code	Cable Section	Cable Color	Function

TRUCKS

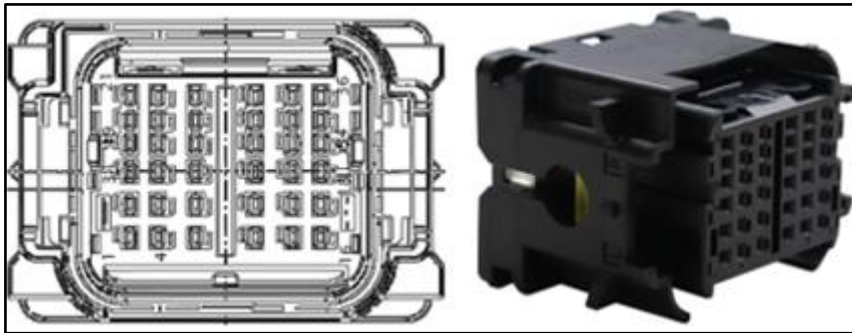
1	CE613	0,75	WHITE/VIOLET	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. LS
2	VE716	0,75	YELLOW	Coolant Temperature Sensor 1
6	VE824	0,75	YELLOW/GREEN	Boost Air Temperature Sensor 1
10	RE141	0,75	BROWN/GREEN	Coolant Temperature Sensor 1 Ground
12	CE604	0,75	YELLOW/VIOLET	Grid Heater Relay 1 LS - Ground
14	VE809	0,75	GREEN/ORANGE	Oil Level Sensor – Temperature Signal
17	VE711	0,75	ORANGE/GREEN	Crankshaft Speed Sensor - Negative
18	ZA159	0,75	VIOLET/ORANGE	Crankshaft Speed Sensor - Positive
19	ZA142	0,75	ORANGE/YELLOW	Crankshaft Speed Sensor - Hall Ground
21	LE150	0,75	BLUE/ WHITE	Boost Air Temperature 1 & Boost Pressure 1 Sensor Supply
22	RE150	0,75	GREEN/BLUE	Boost Air Temperature Sensor 1 & Boost Pressure Sensor 1 Ground
23	RE774	0,75	GREEN/ORANGE	Oil Temperature & Pressure Sensor Ground
24	ZA188	0,75	ORANGE/GREEN	Oil Level Sensor – Level Signal
29	VE774	0,75	YELLOW/GREEN	Oil Temperature & Pressure Sensor Supply
31	CMC24	0,75	GREY	Oil Pressure Sensor – Pressure Signal
32	ZA174	0,75	ORANGE/YELLOW	Boost Pressure Sensor 1
33	CE612	1	GREY/VIOLET	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. HS
34	CE606	0,75	GREEN/ORANGE	Grid Heater Relay 1 HS - Power
39	VE706	0,75	WHITE/BROWN	Camshaft Speed Sensor - Positive
40	VE707	0,75	VIOLET/ORANGE	Camshaft speed sensor - Negative
43	ZA189	0,75	ORANGE	Oil Level Sensor Ground
46	VDB30AA	0,75	WHITE/GREEN	B_D_CANL3
47	VDB29AA	0,75	GREEN/BLUE	B_D_CANH3



Con. Code	C1E115-C7			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C7 CONNECTOR			
Pin No	Cable Code	Cable Section	Cable Color	Function
7	ZA178	0,75	ORANGE/WHITE	Unit Fuel Pump Metering PWR
8	ZA179	0,75	ORANGE/BLACK	Unit Fuel Pump Metering GND
20	ZA156	0,75	ORANGE/BLACK	Coolant Temperature Sensor 3

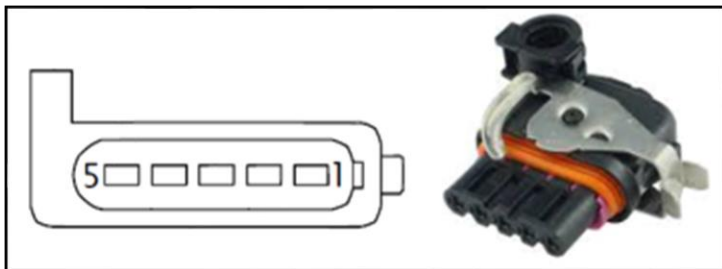
TRUCKS

25	CH422A	0,75	VIOLET	EGR Temperature Sensor Ground
26	VE765	0,75	GREY/BLUE	EGR Temperature Sensor
31	VE807	0,75	YELLOW/VIOLET	MAF Mass & Temperature Sensor Supply
35	CE623	0,75	BROWN/BLUE	Fuel Filter Clogging Switch Ground
36	CE163	0,75	VIOLET/GREY	Fuel Filter Clogging Switch Signal
38	ZA190	0,75	ORANGE/YELLOW	MAF Mass & Temperature Sensor Ground
45	RE320	0,75	BLUE	MAF Mass & Temperature Sensor Frequency

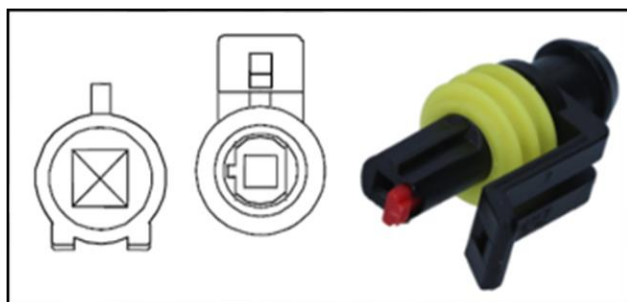


Con. Code	C1E115-C8			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C8 CONNECTOR			
Pin No	Cable Code	Cable Section	Cable Color	Function
1	RE208B	1,5	BLUE	Injector 1 "low" Bank 1
2	CE208B	1,5	YELLOW/ORANGE	Injector 1 "high" Bank 1
3	ZA181	0,75	ORANGE	Valve– Rail Pressure Control LS
4	RE210B	1,5	BROWN/VIOLET	Injector 2 "low" Bank 1
5	CE210B	1,5	GREEN/WHITE	Injector 2 "high" Bank 1
6	CE257	0,75	GREY/BROWN	Valve– Rail Pressure Control HS
7	RE209B	1,5	WHITE/GREEN	Injector 3 "low" Bank 1
8	CE209B	1,5	BROWN	Injector 3 "high" Bank 1
10	RE207B	1,5	GREEN/VIOLET	Injector 3 "low" Bank 2
11	CE207B	1,5	VIOLET/GREY	Injector 3 "high" Bank 2
13	RE206B	1,5	BLUE/ORANGE	Injector 2 "low" Bank 2
14	CE206B	1,5	GREY/YELLOW	Injector 2 "high" Bank 2
16	RE205B	1,5	YELLOW/ BLUE	Injector 1 "low" Bank 2
17	CE205B	1,5	GREEN/ BLUE	Injector 1 "high" Bank 2
25	CCB13B	0,75	GREY	Solenoid Engine Brake 1 LS GREEND
28	CCB14B	0,75	VIOLET	Solenoid Engine Brake 1 HS PWR
31	CCB04E	1	WHITE	Solenoid Engine Brake 2 HS PWR
34	CCB05D	1	VIOLET	Solenoid Engine Brake 2 LS GREEND

TRUCKS

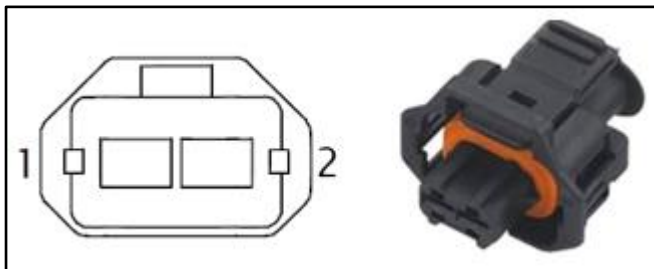


Con. Code	C1DC06			
Con. Desc.	ALTERNATOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	CDC15	0,75	Violet	IG
4	CDC06	0,75	Violet/White	L
5	VDC73	0,75	Green/White	W

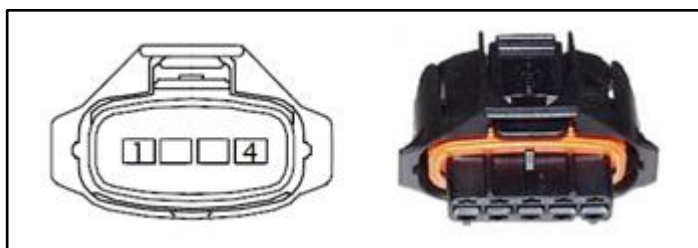


Con. Code	C1H301			
Con. Desc.	CLUTCH A/C COMPRESSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CH401A	1	Violet/White	AC Cut Off Supply

TRUCKS

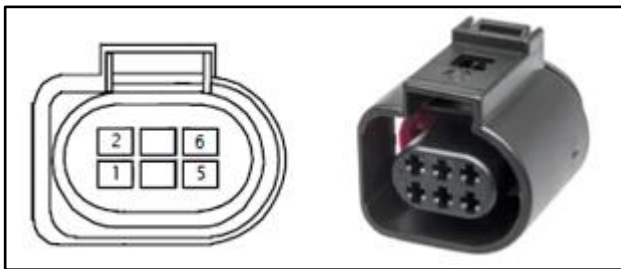


Con. Code	C1E716			
Con. Desc.	ENGINE COOLANT TEMPERATURE SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE716	0,75	Yellow	Signal
2	RE141	0,75	Brown/Green	Ground

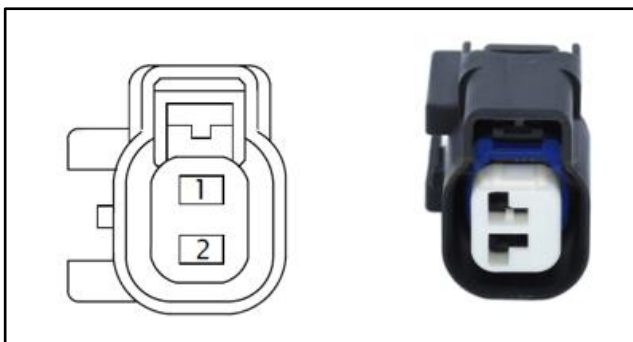


Con. Code	C1E150			
Con. Desc.	TMAP SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE150	0,75	Green/Blue	Ground
2	VE824	0,75	Yellow/Green	Signal 1
3	LE150	0,75	Blue/White	Power
4	ZA174	0,75	Orange/Yellow	Signal 2

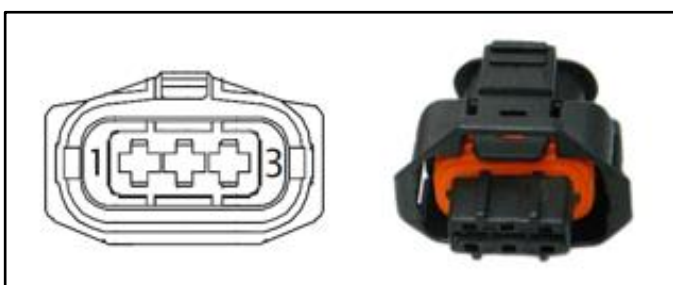
TRUCKS



Con. Code	C1E428			
Con. Desc.	THROTTLE BODY SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE820	0,75	Grey	Signal
2	LE428	0,75	Blue/White	Power Supply
3	VE819	1	Green/Violet	DC (+)
5	VE818	1	Brown	DC (-)
6	VE720	0,75	Violet	Ground



Con. Code	C1E765			
Con. Desc.	EXHAUST GAS RECIRCULATION SENSOR (EGRT) CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE765	0,75	Grey/Blue	Signal
2	CH422	0,75	Violet	Ground

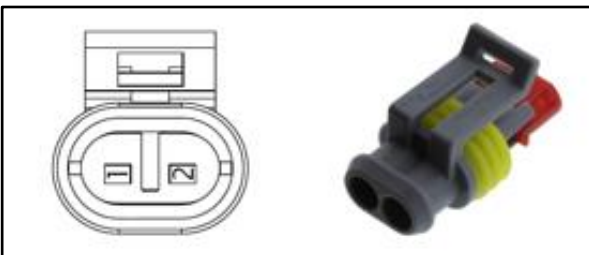


TRUCKS

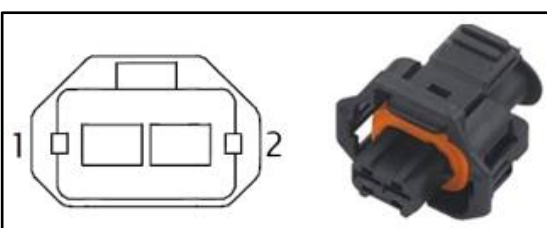
Con. Code	C1E238			
Con. Desc.	RAIL PRESSURE SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE238	0,75	Blue/Brown	Ground
2	VE727	0,75	Blue/Brown	Signal
3	LE238	0,75	Grey	Power



Con. Code	C1A178			
Con. Desc.	UNIT FUEL PUMP METERING CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA178	0,75	Orange/White	Power
2	ZA179	0,75	Orange/Black	Ground

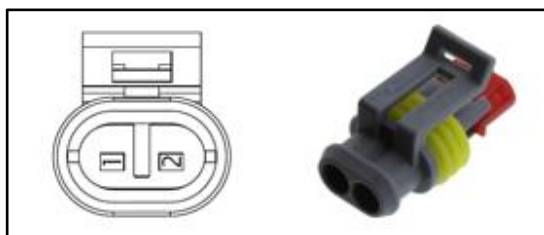


Con. Code	C1E604			
Con. Desc.	GRID HEATER RELAY CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE606	0,75	Green/Orange	Power
2	CE604	0,75	Yellow/Violet	Ground



TRUCKS

Con. Code	C1E232			
Con. Desc.	FUEL TEMPERATURE SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE232	0,75	Violet/White	Signal
2	ZA152	0,75	Orange/Green	Ground

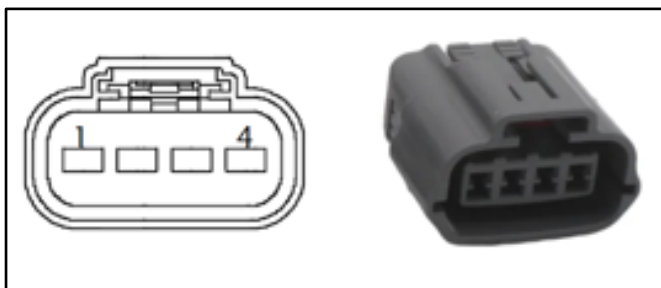


Con. Code	C1E163			
Con. Desc.	SENSOR-FUEL FILTER CLOGGING CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE163	0,75	Violet/Grey	Signal
2	CE623	0,75	Brown/Blue	Ground

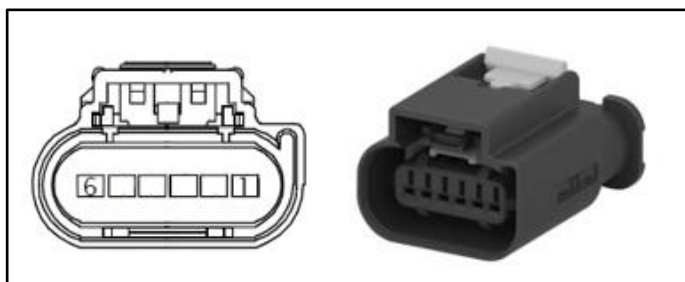


Con. Code	C1E320			
Con. Desc.	MASS AIR FLOW SENSOR (MAF) CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE320	0,75	Blue	Signal 1
2	VE807	0,75	Yellow/Violet	Power
3	VE809	0,75	Green/Orange	Ground
4	ZA156	0,75	Orange/Black	Signal 2

TRUCKS

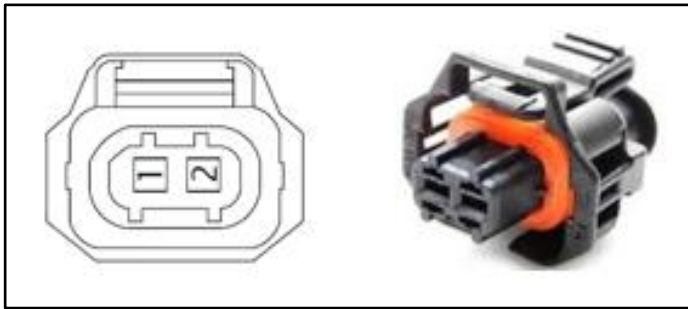


Con. Code	C1E103B			
Con. Desc.	EGR VALVE CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VDB29	0,75	Green/Blue	Engine CAN H
2	VDB30	0,75	White/Green	Engine CAN L
3	A_GD163PA	0,75	Black/Grey	Ground
4	CE103A	0,75	Blue/Brown	Power

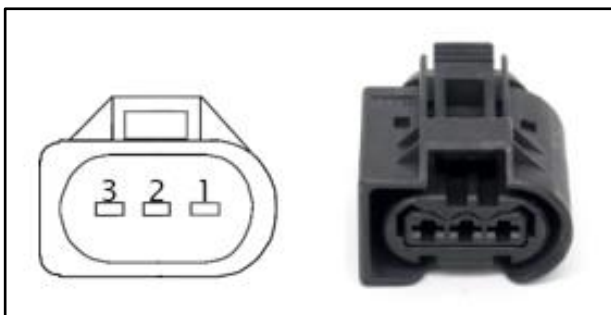


Con. Code	C1E103			
Con. Desc.	TURBO CHARGER ACTUATOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA026	0,75	BK	Uncrimped Wires
2	VDB30	0,75	White/Green	Engine CAN L
3	ZA025	0,75	BK	Uncrimped Wires
4	VDB29	0,75	Green/Blue	Engine CAN H
5	A_GD163PB	0,75	Black/Grey	Ground
6	CE103B	0,75	Blue/Brown	Power

TRUCKS

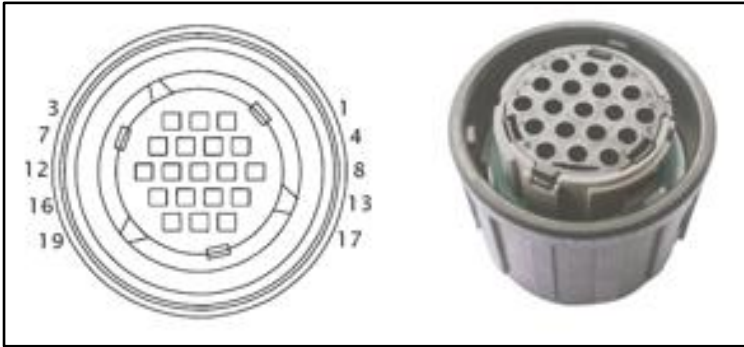


Con. Code	C1E257			
Con. Desc.	RAIL PRESSURE VALVE CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE257	0,75	Grey/Brown	Valve– Rail Pressure Control HS
2	ZA181	0,75	Orange	Valve– Rail Pressure Control LS

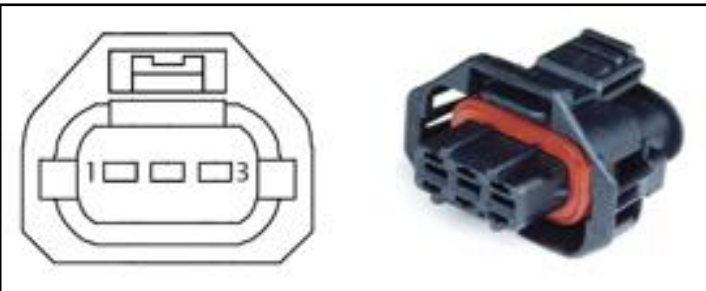


Con. Code	C1PK45			
Con. Desc.	ENGINE START/STOP CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPK45	0,75	Yellow/Violet	Engine Compartment Start Switch
2	LE423H	0,75	Green/Violet	OBD Lamp Supply
3	CE937	0,75	Violet/Grey	Engine Compartment Stop Switch

TRUCKS



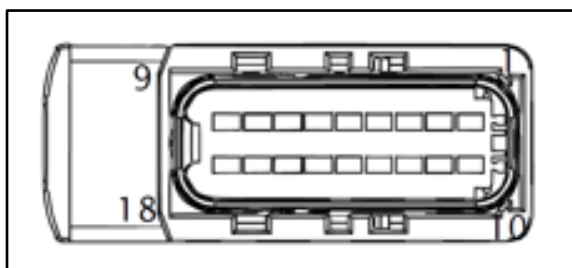
Con. Code	C11-E			
Con. Desc.	CYLINDER HEAD CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE205A	1,5	Green/Blue	Injector 1 "high" Bank 2
2	RE205A	1,5	Yellow/Blue	Injector 1 "low" Bank 2
3	CE206A	1,5	Grey/Yellow	Injector 2 "high" Bank 2
4	CE208A	1,5	Yellow/Orange	Injector 1 "high" Bank 1
5	CE207A	1,5	Violet/Grey	Injector 3 "high" Bank 2
6	RE207A	1,5	Green/Violet	Injector 3 "low" Bank 2
7	RE206A	1,5	Blue/Orange	Injector 2 "low" Bank 2
8	RE208A	1,5	Blue	Injector 1 "low" Bank 1
9	CE209A	1,5	Brown	Injector 3 "high" Bank 1
10	RE209A	1,5	White/Green	Injector 3 "low" Bank 1
11	CE210A	1,5	Green/White	Injector 2 "high" Bank 1
12	RE210A	1,5	Brown/Violet	Injector 2 "low" Bank 1
13	CCB04B	1	White	Jake Brake 2 HS
14	CCB05	1	Grey/Blue	Jake Brake 2 LS
15	CCB14B	0,75	Violet	Jake Brake 1 HS/Exhaust-Flap
16	CCB13B	0,75	Grey/Blue	Jake Brake 1 LS/Exhaust-Flap



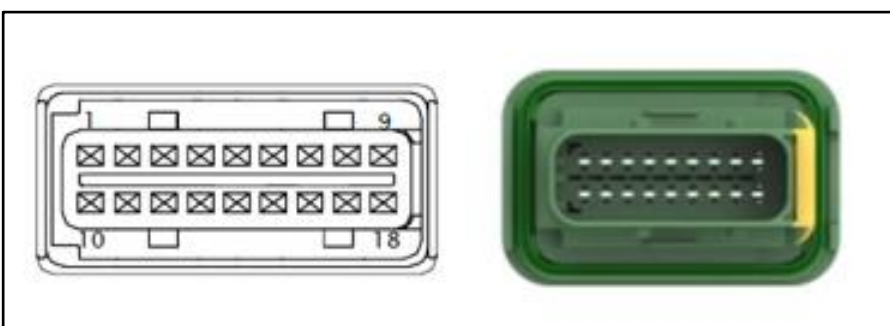
Con. Code	C1E706
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TRUCKS

Con. Desc.	CAMSHAFT SPEED SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE706	0,75	White/Brown	Signal (+)
2	VE707	0,75	Violet/Orange	Signal (-)
3	ZA142B	0,75	Orange/Yellow	Ground

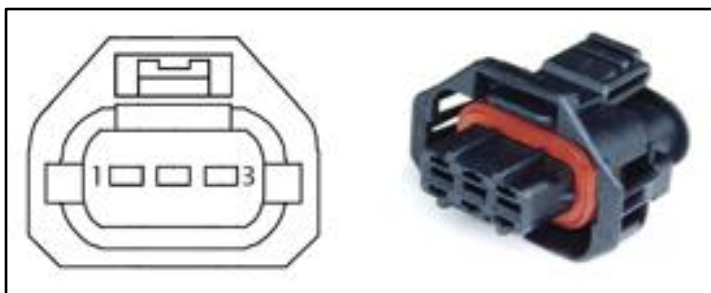


Con. Code	C11-D			
Con. Desc.	TO 14398 WIRING-1 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD163P	1,5	Black/Grey	Ground
3	VDB29F	0,75	Green/Blue	Engine CAN H
4	VDB30F	0,75	White/Green	Engine CAN L
5	CPK45	0,75	Yellow/Violet	Engine Compartment Start Switch
6	CE937	0,75	Violet/Grey	Engine Compartment Stop Switch
7	LE423NH	0,75	Green/Violet	OBD Lamp Supply
10	CH401A	1	Violet/White	AC Cut Off Supply
11	CDC06	0,75	Violet/White	Alternator D+
12	CE103C	0,75	Blue/Brown	Power Supply
13	CDC15	1	Violet	Alternator Driver HS-PWM
14	LE139	0,75	Brown/White	Jake brake 1HS/Exhaust-Flap
15	RE139	0,75	Grey/Orange	Jake brake 1 LS / Exhaust-Flap



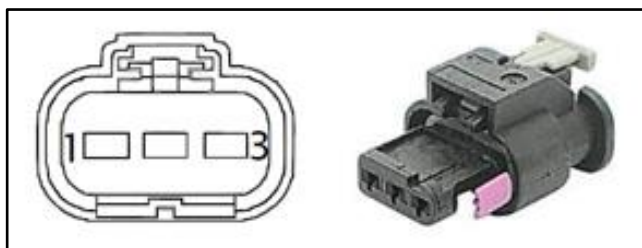
TRUCKS

Con. Code	C11-G			
Con. Desc.	TO 14398 WIRING-2 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE771	0,75	Grey/Orange	HCI Temperature Sensor & HCI Pressure Sensor 1 Upstream Ground
2	VE351	0,75	Violet/Orange	HCI Metering Valve HS
3	VE350	1	Grey	HCI Metering Valve LS
4	LE357	0,75	Violet/White	HCI Shut-Off Valve HS
5	RE357	0,75	Violet/White	HCI Shut-Off Valve LS
6	RE803	0,75	Brown/Green	HCI Temperature Sensor
7	VE803	0,75	Blue/Green	HCI Pressure Sensor 1 Downstream
8	RE804	0,75	Green/Brown	HCI Temperature Sensor & HCI Pressure 1 Sensor Upstream Supply
9	ZA191	0,75	Orange/Green	HCI Pressure Sensor 2 Downstream Supply
11	VE770	0,75	Grey/Brown	HCI Pressure Sensor 2 Upstream
12	VE769	0,75	Blue/Green	HCI Pressure Sensor 2 Downstream Ground
13	VDC73	0,75	Green/White	Alternator W
15	CE612	1	Grey/Violet	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. HS
18	CE613	0,75	White/Violet	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. LS



Con. Code	C1E711			
Con. Desc.	CRANKSHAFT SPEED SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE711	0,75	Orange/Green	Signal (-)
2	ZA159	0,75	Violet/Orange	Signal (+)
3	ZA142A	0,75	Orange/Yellow	Ground

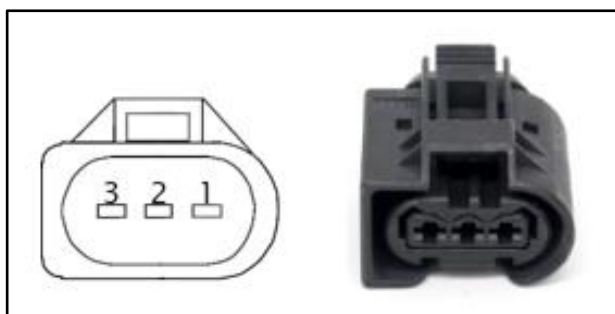
TRUCKS



Con. Code	C1E774			
Con. Desc.	ENGINE OIL PRESSURE SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CMC24	0,75	Grey	Oil Pressure Sensor – Pressure Signal
2	RE774	0,75	Green/Orange	Oil Temperature & Pressure Sensor Ground
3	VE774	0,75	Yellow/Green	Oil Temperature & Pressure Sensor Supply



Con. Code	C1E437			
Con. Desc.	TURBINE SPEED SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE437	0,75	Yellow	Turbine Wheel / VGT Speed Sensor (+)
2	RE437	0,75	Grey	Turbine Wheel / VGT Speed Sensor (-)



TRUCKS

Con. Code	C1A189			
Con. Desc.	ENGINE OIL LEVEL SENSOR CONNECTOR (EOL)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA188	0,75	Orange/Green	Level Signal
2	ZA189	0,75	Orange	Ground
3	VE809	0,75	Green/Orange	Temperature Signal

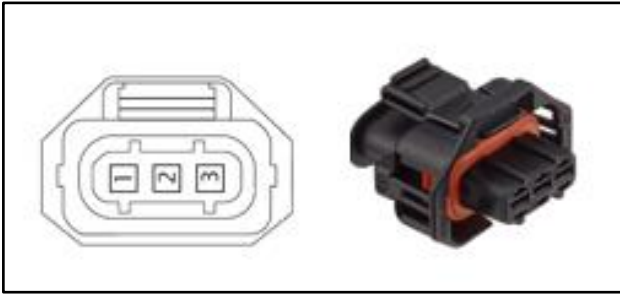


Con. Code	C1E743			
Con. Desc.	SWITCHABLE WATER PUMP CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE174	1	Yellow/Grey	MCT-Pump HS
2	CE628	0,75	Grey	MCT-Pump LS

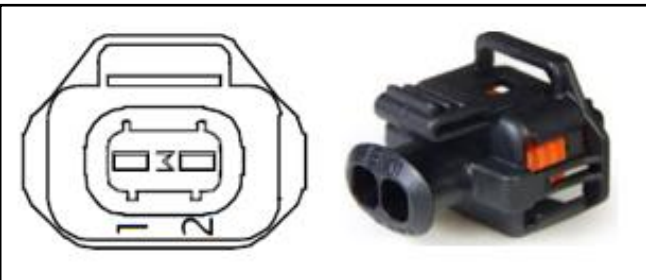


Con. Code	C1E351			
Con. Desc.	METERING VALVE CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE351	0,75	Violet/Orange	HCI Metering Valve HS
2	VE350	1	Grey	HCI Metering Valve LS

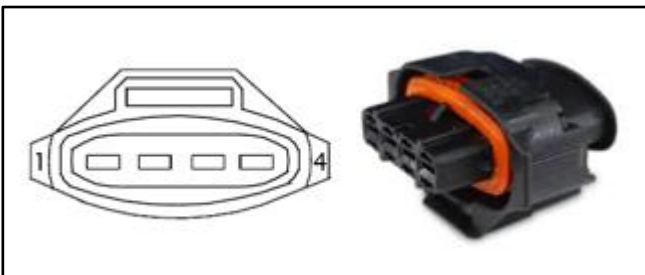
TRUCKS



Con. Code	C1ET08			
Con. Desc.	PRESSURE HCI DOWNSTREAM SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE804	0,75	Brown/White	HCI Pressure Sensor 2 Downstream Supply
2	VE769	0,75	Blue/Grey	HCI Pressure Sensor 2 Downstream Ground
3	VE770	0,75	Yellow/Violet	HCI Pressure Sensor 2 Upstream



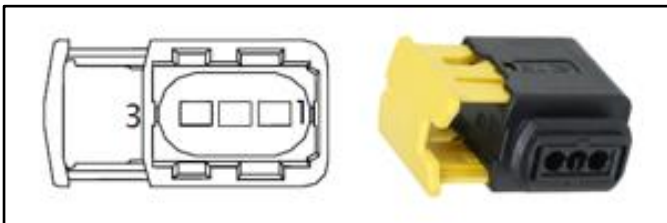
Con. Code	C1E357			
Con. Desc.	SHUT-OFF VALVE CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE357	0,75	White	HCI Shut-Off Valve HS
2	RE357	0,75	Violet/White	HCI Shut-Off Valve LS



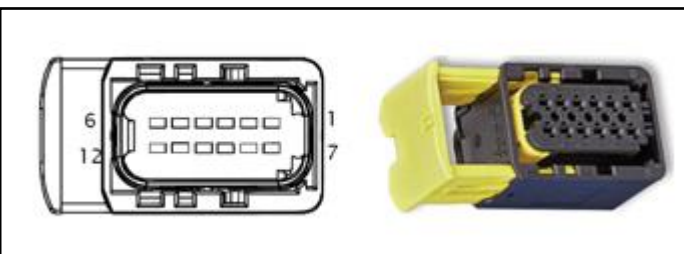
TRUCKS

Con. Code	C1ET05			
Con. Desc.	PRESSURE HCI UPSTREAM SENSOR CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE771	0,75	Grey/Orange	HCI Temperature Sensor & HCI Pressure Sensor 1 Upstream Ground
2	RE803	0,75	Brown/Green	HCI Temperature Sensor
3	ZA191	0,75	Orange/Green	HCI Temperature Sensor & HCI Pressure 1 Sensor Upstream Supply
4	VE803	0,75	Blue/Green	HCI Pressure Sensor 1 Downstream

3.3.2. 14D378 → AdBlue-SCR Wiring connector descriptions:



Con. Code	C1E356			
Con. Desc.	ADBLUE TANK HEATER VALVE CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE423S	0,75	Green/Violet	SCR Tank Heating Valve HS
3	RCL17	0,75	White/Orange	SCR Tank Heating Valve LS



Con. Code	C1E348			
Con. Desc.	DNOX MODULE CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	VE353A	0,75	Grey/Blue	SCR Pressure Sensor Supply

TRUCKS

3	VE708A	0,75	Green/Brown	SCR Pressure Sensor Signal
4	RE353A	0,75	Green/Violet	SCR Pressure Sensor Ground
5	CE356C	0,75	Blue/Orange	Heater Signal
6	CH304A	1,5	Yellow/Grey	SCR Supply Module Heater LS
8	RE354A	0,75	White/Blue	SCR Pump Motor GND
9	CE354EA	0,75	Brown/Blue	SCR Motor Pump Control HS
10	VE354A	0,75	Green/Blue	SCR Pump Motor Control
11	CE354CA	0,75	Brown/Blue	SCR Reverting Valve Purging Pump HS
12	RE355A	0,75	Green	SCR Reverting Valve Purging Pump LS

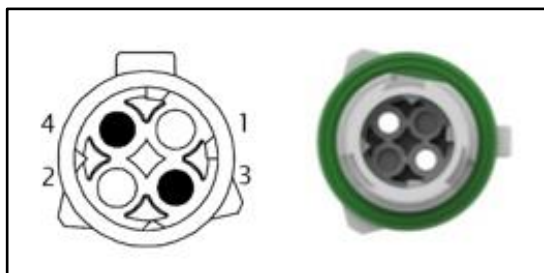


Con. Code	C1A160			
Con. Desc.	HOSE HEATER-1 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE356B	0,75	Blue/Orange	Heater Signal
2	VE352	1	Brown	SCR Pressure Hose Heater 1 LS

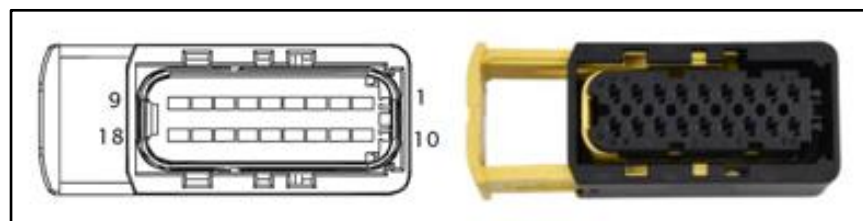


Con. Code	C1E834-A			
Con. Desc.	UREA LEVEL & QUALITY SENSOR (WEMA) CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE766B	0,75	Grey/Yellow	Power
2	VDB30D	0,75	White/Green	VCAN -
3	VDB29D	0,75	Green/Blue	VCAN +
4	A_GD163L	0,75	Black/Grey	Ground

TRUCKS



Con. Code	C1A161			
Con. Desc.	HOSE HEATER-2 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE354D	1	Brown/Blue	Pump Power
2	RE356	1	Violet	SCR Pressure Hose Heater 2 LS

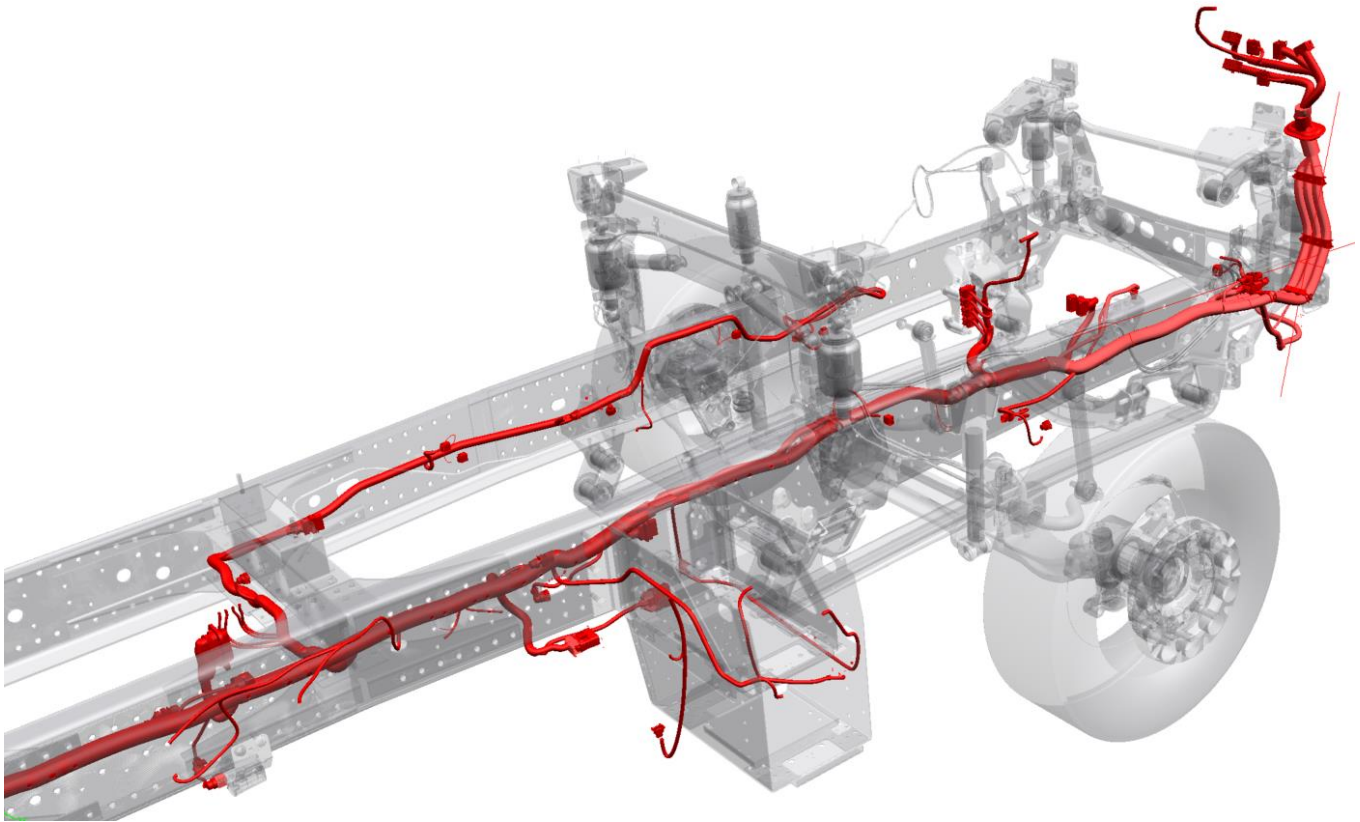
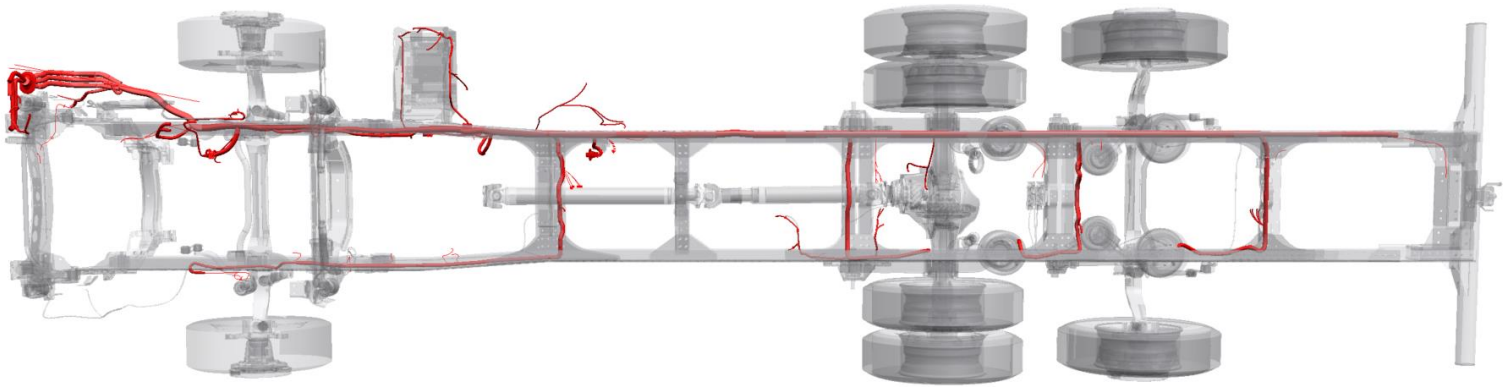


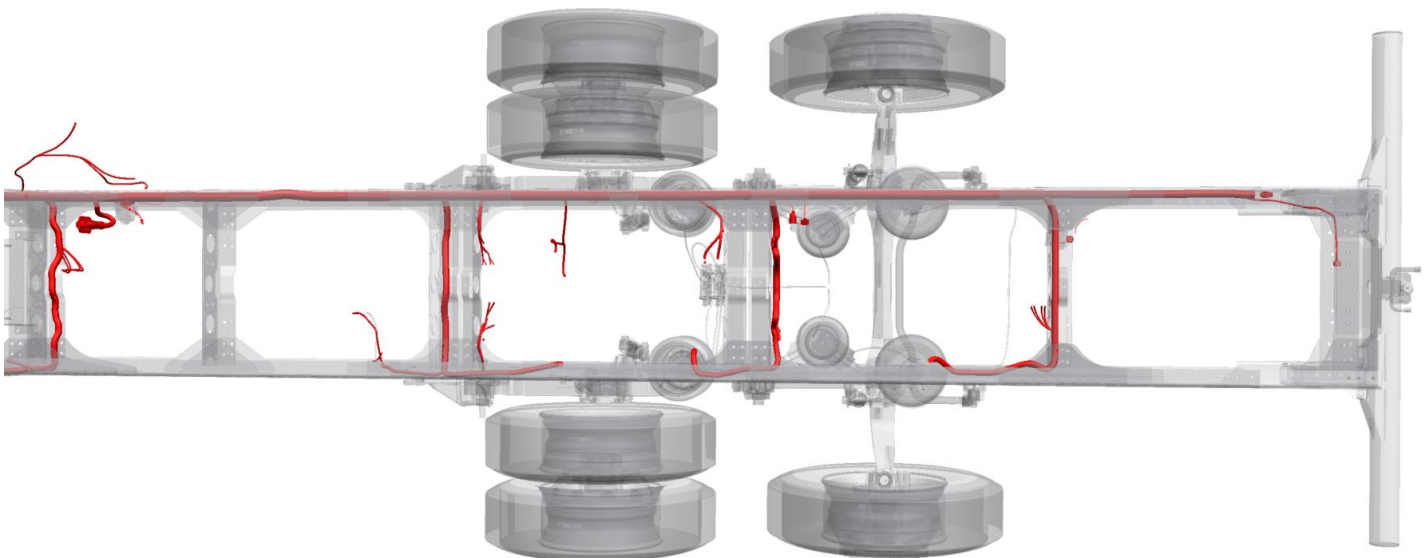
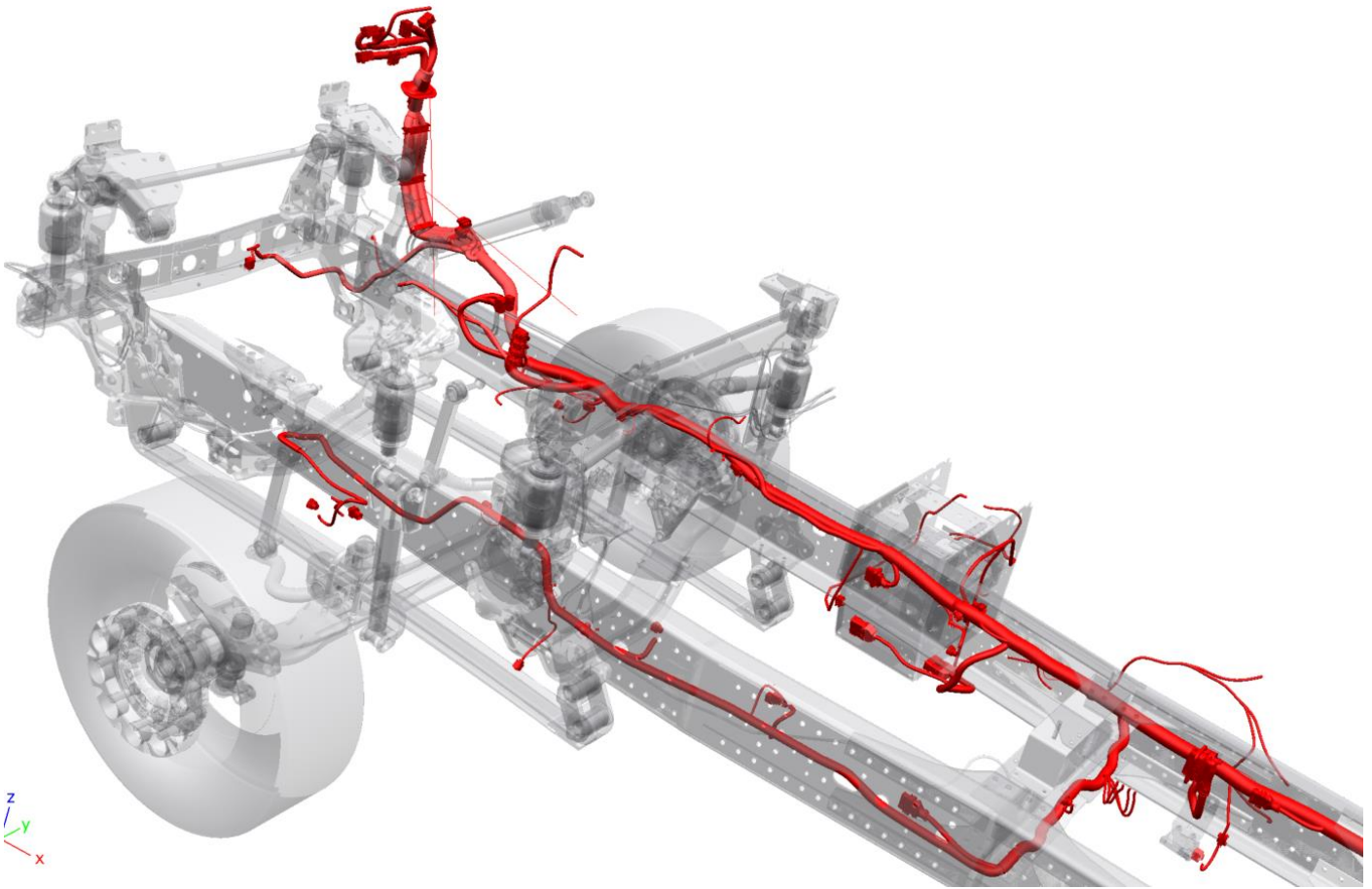
Con. Code	C11-H			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE766B	0,75	Grey/Yellow	WEMA Sensor Power Supply
2	VDB30E	0,75	White/Green	Engine CAN L
3	VDB29E	0,75	Green/Blue	Engine CAN H
4	A_GD163L	0,75	Black/Grey	WEMA Sensor Ground
5	CE354A	1,5	Brown/Blue	DNOX Module Power Pump
6	RE356	1	Violet	SCR Pressure Hose Heater 2 LS
7	CE356A	0,75	Blue/Orange	DNOX Module Heater Signal
8	VE352	1	Brown	SCR Pressure Hose Heater 1 LS
9	LE423S	0,75	Green/Violet	SCR Tank Heating Valve HS
10	RCL17	0,75	White/Orange	SCR Tank Heating Valve LS
11	VE353	0,75	Grey/Blue	SCR Pressure Sensor Supply
12	VE708	0,75	Green/Brown	SCR Pressure Sensor
13	RE353	0,75	Green/Violet	SCR Pressure Sensor Ground
14	CH304	1,5	Yellow/Grey	SCR Supply Module Heater LS
15	RE354	0,75	White/Blue	SCR Pump Motor GND
16	VE354	0,75	Green/Blue	SCR Pump Motor Control

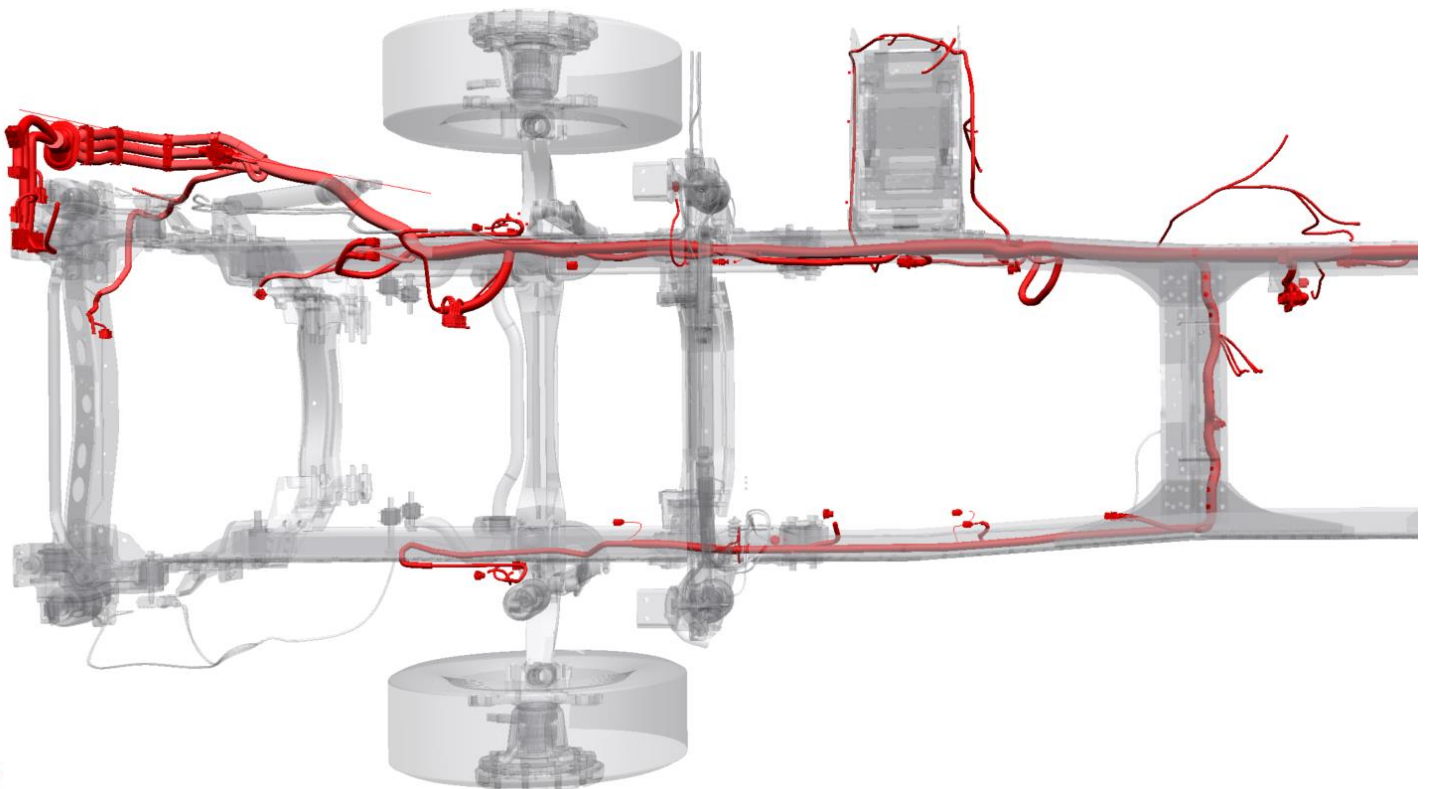
TRUCKS

17	RE355	0,75	Green	SCR Reverting Valve Purging Pump LS
18	CE354C	0,75	Brown/Blue	SCR Reverting Valve Purging Pump HS

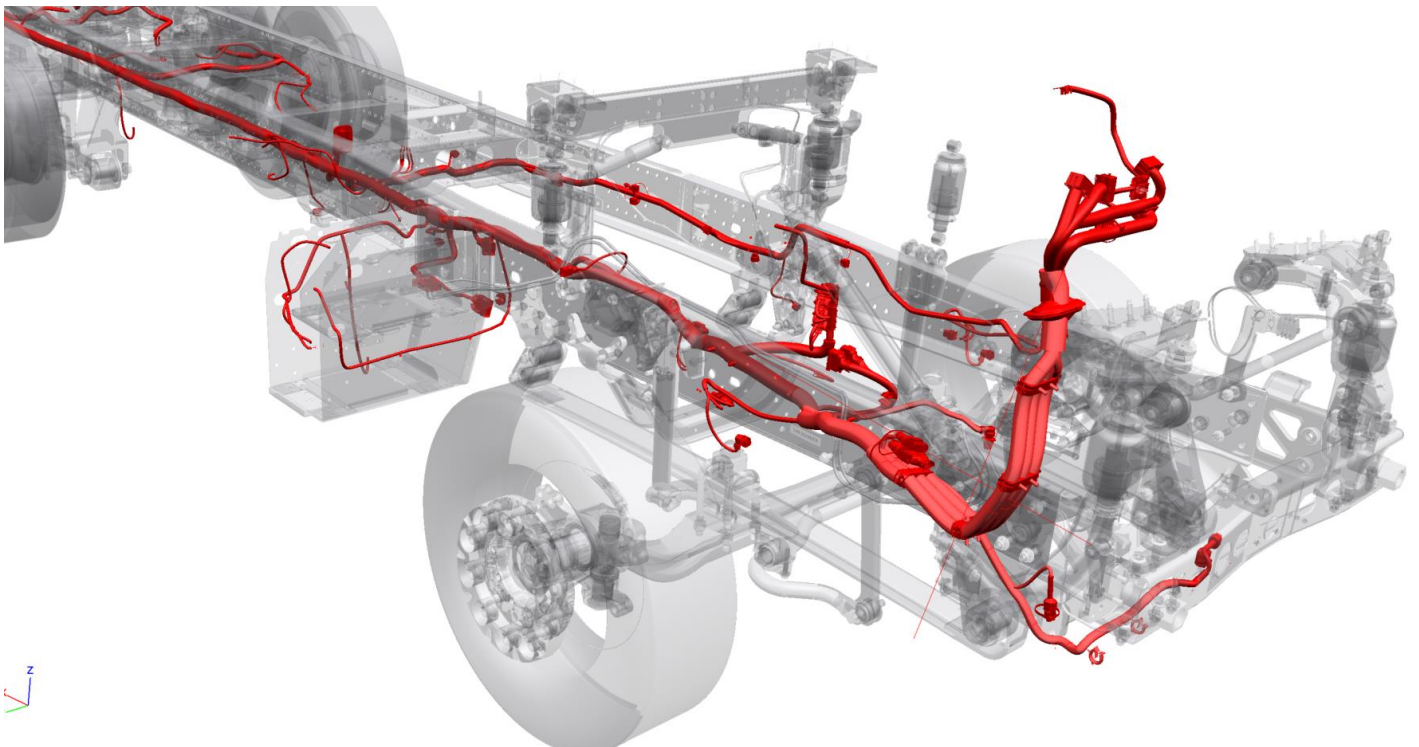
3.3.3. 14398 → Chassis Wiring



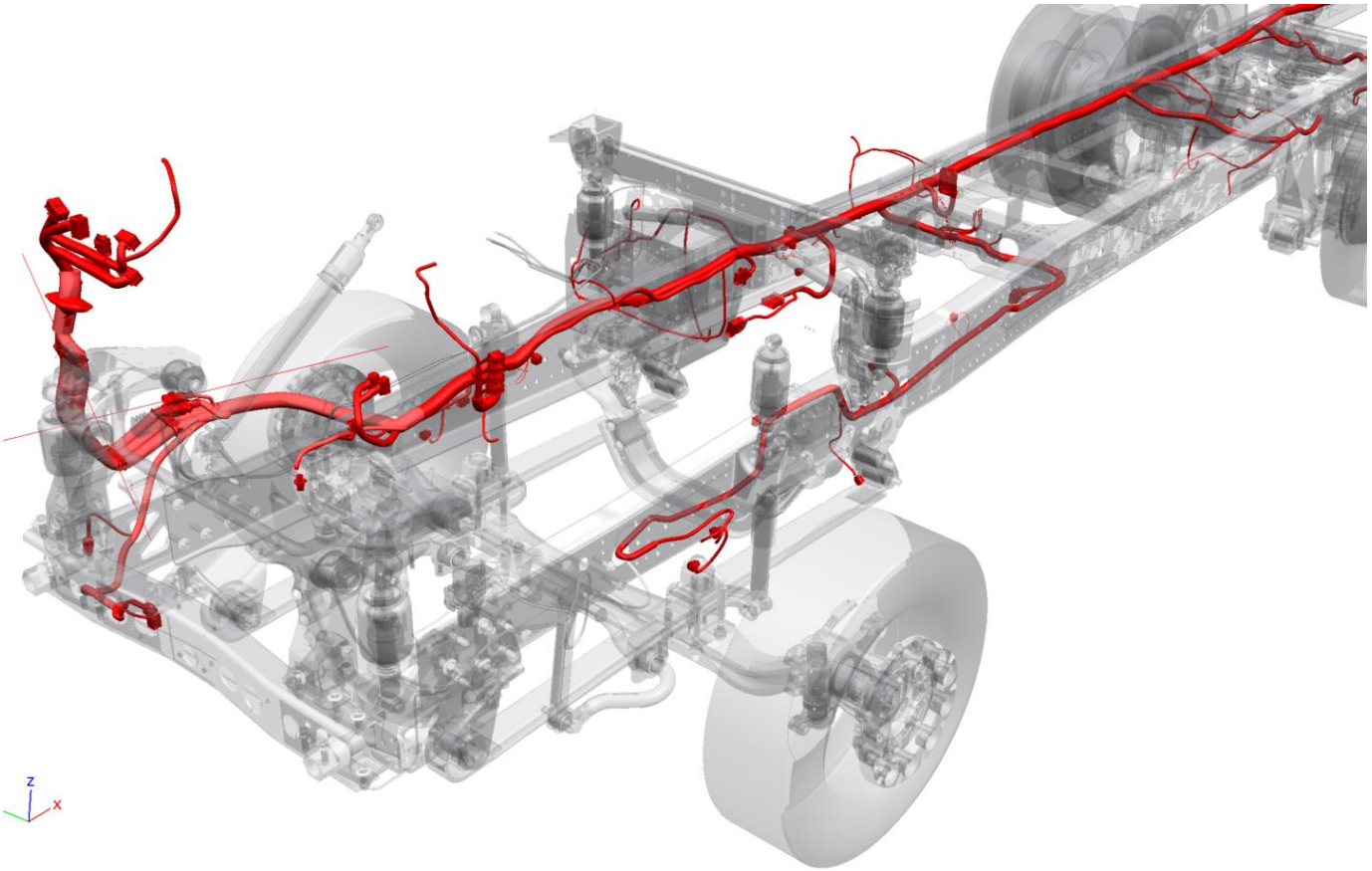




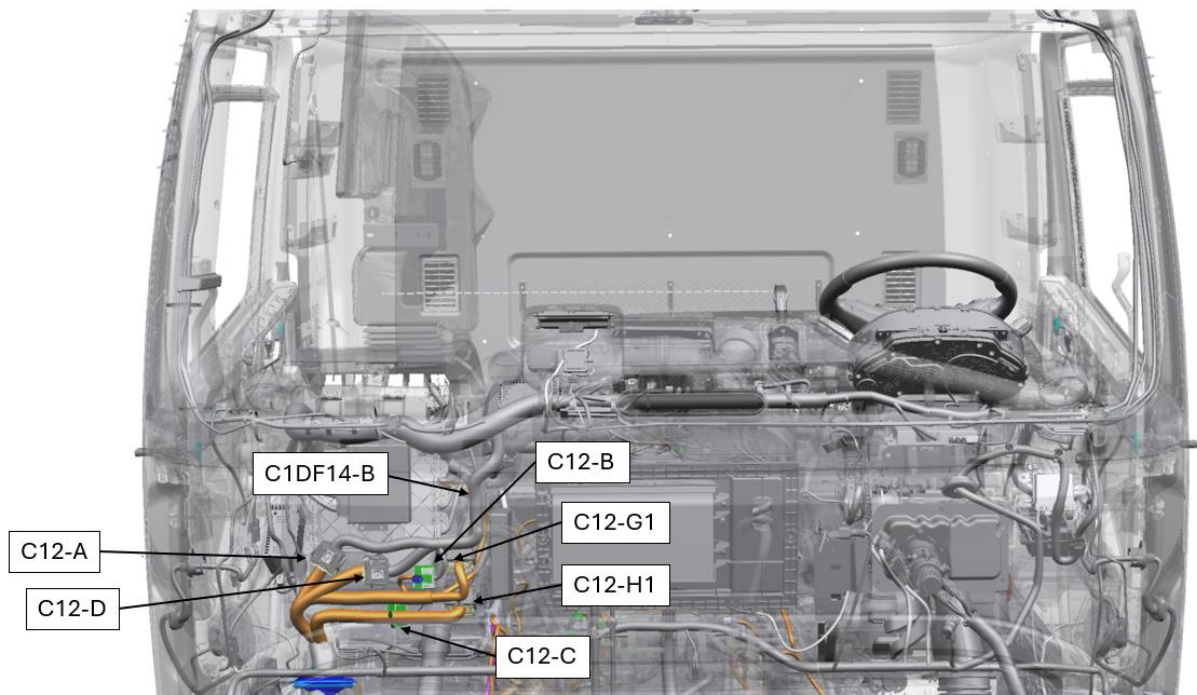
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Z

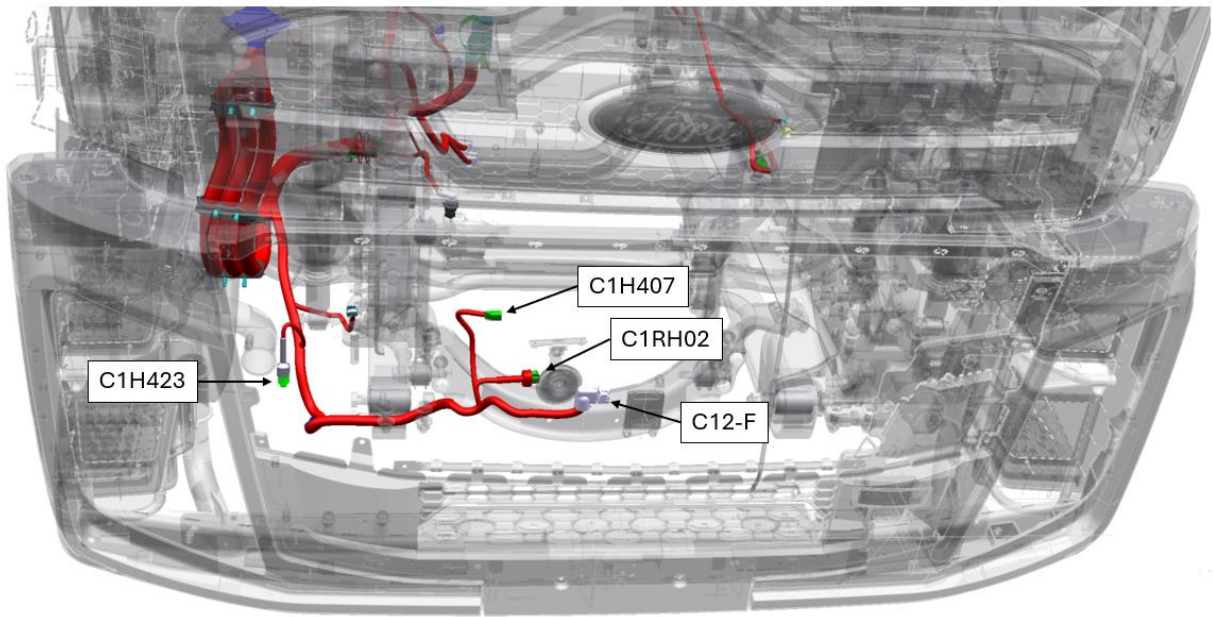


C12-A, C12-D, C1DF14-B, C12-B, C12-G1, C12-H1, C12-C Connectors:

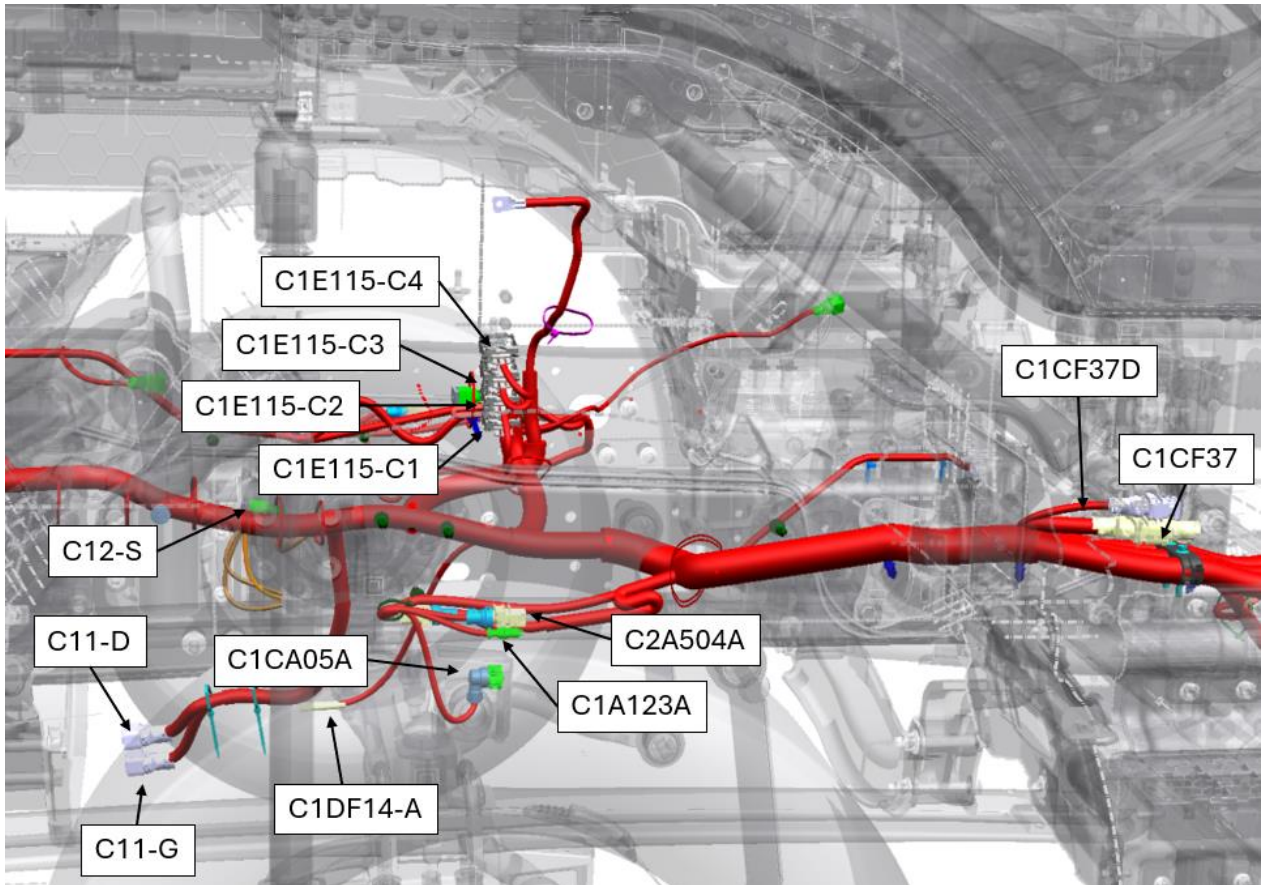


TRUCKS

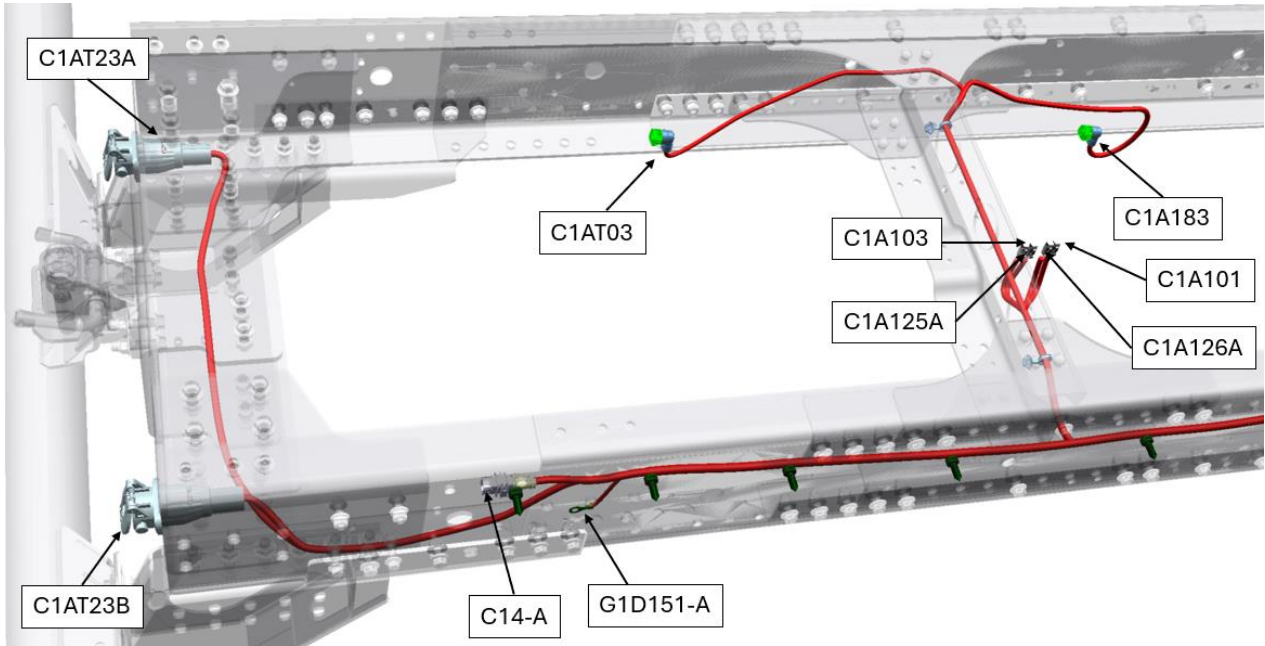
C1H423, C1H407, C1RH02, C12-F Connectors:



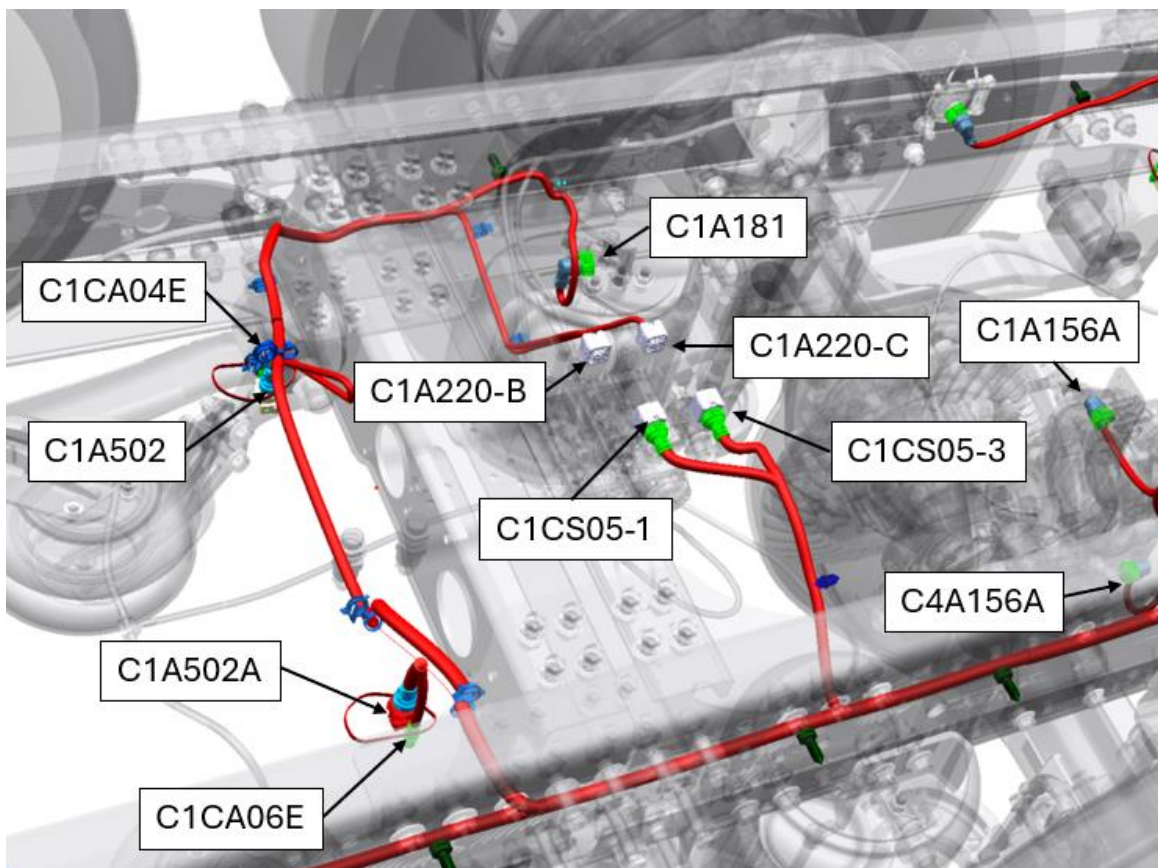
C1E115-C4, C1E115-C3, C1E115-C2, C1E115-C1, C12-S, C11-D, C11-G, C1CA05A, C1DF14-A, C1A123A, C2A504A, C1CF37D, C1CF37 Connectors:



C1AT23A, C1AT23B, C1AT03, C14-A, G1D151-A, C1A103, C1A125A, C1A183, C1A101, C1A126A Connectors:

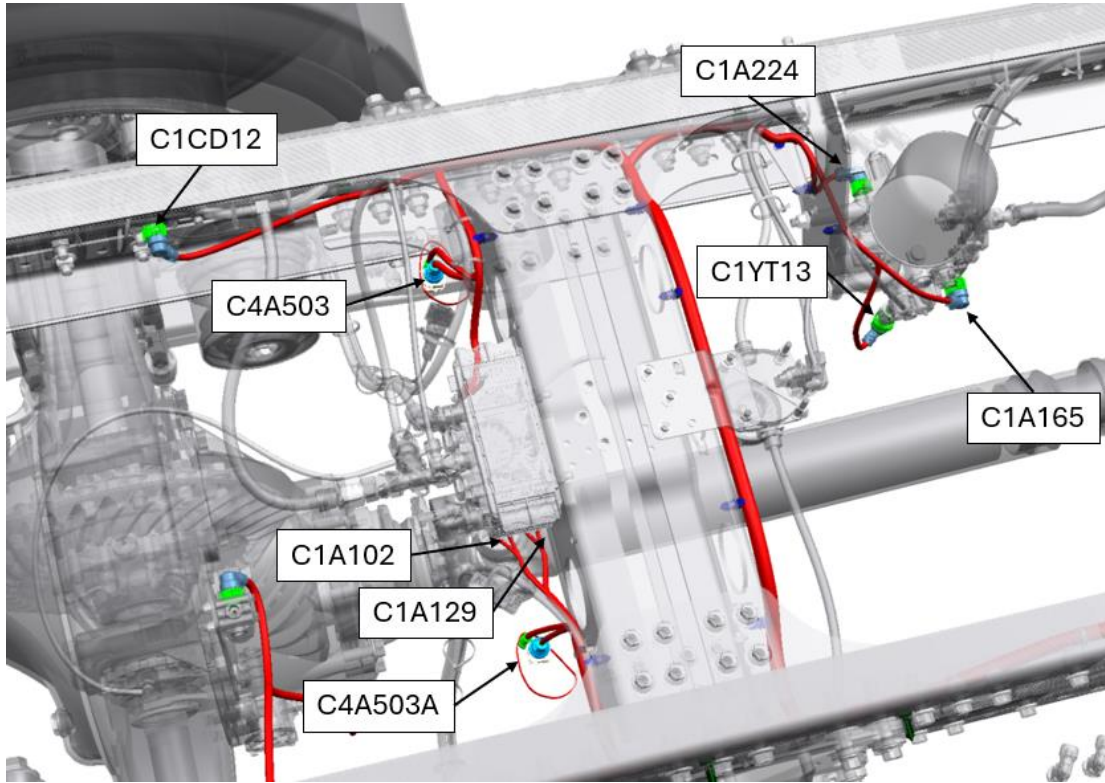


C1CA04E, C1A502, C1A502A, C1CA06E, C1A220-B, C1A220-C, C1A181, C1CS05-1, C1CS05-3, C1A156A, C4A156A Connectors:

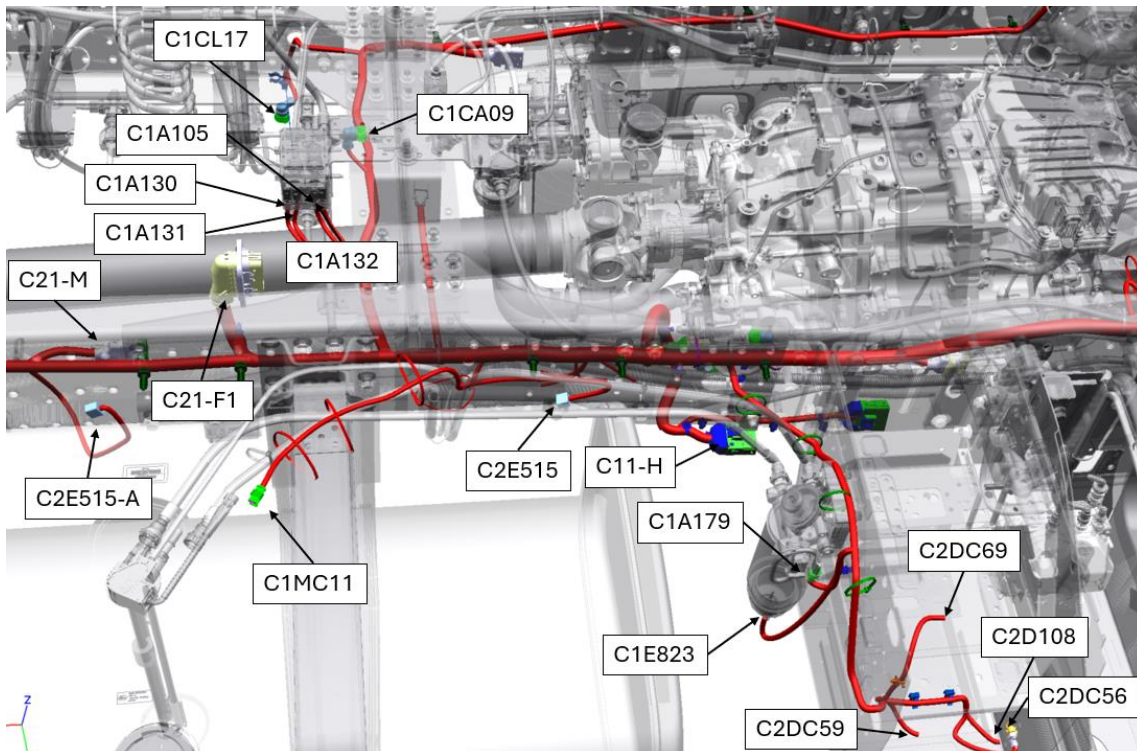


TRUCKS

C1CD12, C4A503, C1A102, C1A129, C4A503A, C1A224, C1YT13, C1A165 Connectors:

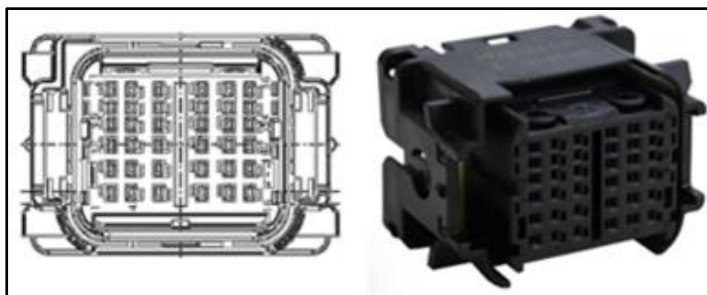


C1CL17, C1CA09, C1A105, C1A130, C1A131, C1A132, C21-M, C21-F1, C2E515-A, C1MC11, C2E515, C11-H, C1A179, C1E823, C2DC59, C2DC69, C2D108, C2DC56 Connectors:



TRUCKS

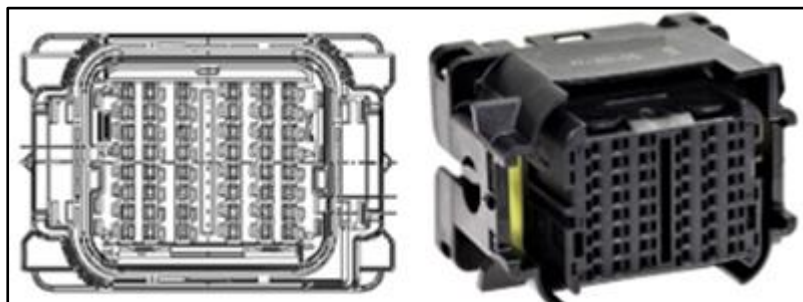
14398→Chassis Wiring connector descriptions:



Con. Code	C1E115-C1			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C1 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCL17	0,75	WHITE/ORANGE	SCR Tank Heating Valve LS
2	VE354	0,75	GREEN/BLUE	SCR Pump Motor Control
3	CE354B	0,75	BROWN/BLUE	Hose Heater Relay LS
4	RE355	0,75	GREEN	SCR Reverting Valve Purging Pump LS
5	RE354G	0,75	WHITE/BLUE	SCR Reverting Valve Purging Pump HS
6	CDC39	0,75	GREEN/BLUE	Hose Heater Relay HS
7	CE352	0,75	YELLOW/GREY	SCR Dosing Valve LS
8	CE354A	1,5	BROWN/BLUE	SCR Motor Pump Control HS
9	LE423	0,75	GREEN/VIOLET	SCR Tank Heating Valve HS
10	CE506	0,75	GREEN	SCR Dosing Valve HS
11	VE351	0,75	VIOLET/ORANGE	HCI Metering Valve HS
13	LE357	0,75	WHITE	HCI Shut-Off Valve HS
14	VE350	1	GREY	HCI Metering Valve LS
15	VE352	1	BROWN	SCR Pressure Hose Heater 1 LS
16	RE357	0,75	VIOLET/WHITE	HCI Shut-Off Valve LS
17	RE356	1	VIOLET	SCR Pressure Hose Heater 2 LS
18	CH304	1,5	YELLOW/GREY	SCR Supply Module Heater LS
19	VDB04D	0,75	WHITE/BLUE	B_D_CANH4
20	VDB05D	0,75	WHITE	B_D_CANL4
22	RE354	0,75	WHITE/BLUE	SCR Pump Motor GND
23	VE353	0,75	GREY/BLUE	SCR Pressure Sensor Supply
25	VE719	0,75	GREY/VIOLET	Exhaust Gas Temperature Sensor 1 Ground
26	RE723A	0,75	WHITE/BLUE	Exhaust Gas Temperature Sensor 2 Ground
27	RE771A	0,75	GREY/ORANGE	Exhaust Gas Temperature Sensor 3 Ground
28	VE722	0,75	BROWN	Exhaust Gas Temperature Sensor 1
29	VE723	0,75	GREEN/VIOLET	Exhaust Gas Temperature Sensor 2
30	VE771	0,75	BROWN/VIOLET	Exhaust Gas Temperature Sensor 3
31	RE353	0,75	GREEN/BROWN	SCR Pressure Sensor Ground

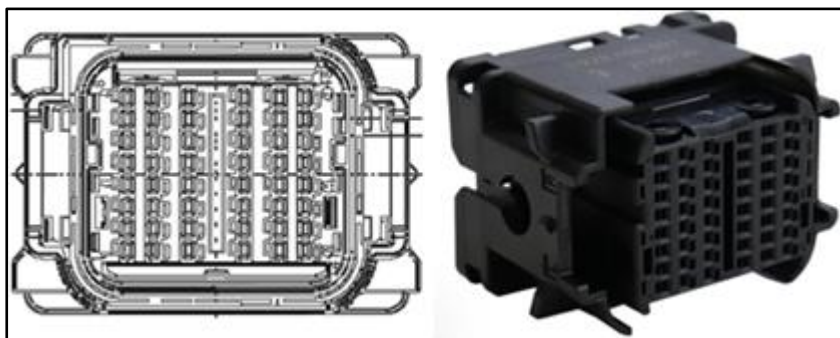
TRUCKS

32	VE708	0,75	GREEN/BROWN	SCR Pressure Sensor
34	RE771F	0,75	GREY/ORANGE	SCR Tank Temperature Sensor Ground
35	VE762	0,75	BLUE/GREY	SCR Tank Temperature Sensor
36	VE834	0,75	GREEN	SCR Tank Level Sensor



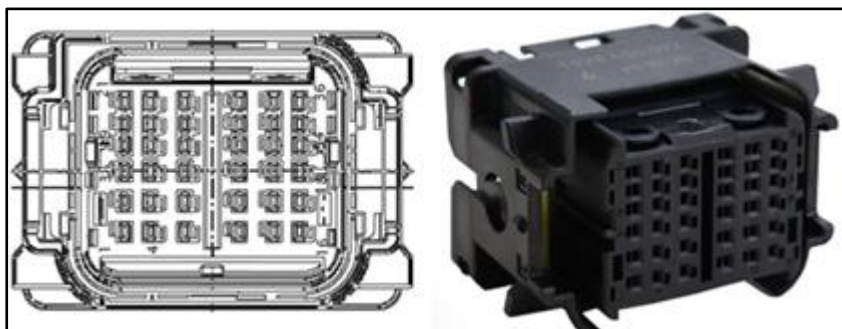
Con. Code	C1E115-C2			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C2 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE771C	0.75	GREY/ORANGE	HCI Temperature Sensor & HCI Pressure Sensor 1 Upstream Ground
4	RE405B	0.75	GREEN/WHITE	Water in Fuel Sensor Ground
6	CH302A	0.75	WHITE/BROWN	AC Pressure Sensor (Pressure Transducer) Supply
7	CEC01C	0.75	WHITE/BLUE	DPF Differential Pressure Sensor Supply
11	VE769	0.75	BLUE/GREEN	HCI Pressure Sensor 2 Downstream Ground
13	VE803	0.75	BLUE/GREEN	HCI Pressure Sensor 1 Downstream
15	CET16	0.75	WHITE/BLUE	Range Interlock Valve LS
16	VE823	0.75	BLUE/BROWN	Water in Fuel Sensor Supply
18	LCA27J	0.75	BROWN/WHITE	Range Interlock Valve HS
19	LCA27H	0.75	BROWN/WHITE	Gate Interlock Valve
21	VE804D	0.75	GREEN/BROWN	HCI Temperature Sensor & HCI Pressure 1 Sensor Upstream Supply
22	VE804E	0.75	GREEN/BROWN	HCI Pressure Sensor 2 Downstream Supply
26	CH423	0.75	YELLOW	AC Pressure Sensor (Pressure Transducer) Signal
33	CDC55	0.75	BROWN/VIOLET	Starter Relay LS
34	CH422	0.75	VIOLET	AC Pressure Sensor (Pressure Transducer) Ground
36	RE803	0.75	BROWN/GREEN	HCI Temperature Sensor
38	RE405C	0.75	GREEN/WHITE	DPF Differential Pressure Sensor Ground
39	VE770	0.75	GREY/BROWN	HCI Pressure Sensor 2 Upstream
41	CE353	0.75	YELLOW/ORANGE	DPF Differential Pressure Sensor
42	LE423B	0.75	GREEN/VIOLET	Water in Fuel Sensor Switch
43	CET17	0.75	GREEN/BLUE	Gate Interlock Valve LS
46	CDC25	0.75	BROWN/GREEN	Starter Relay HS

TRUCKS



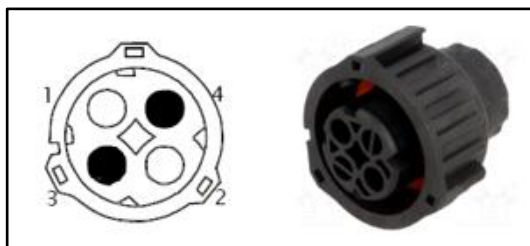
Con. Code	C1E115-C3			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C3 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE136	0,75	VIOLET/GREEN	HCI Temperature Sensor & HCI Pressure Sensor 1 Upstream Ground
2	VE701C	0,75	BLUE/WHITE	Water in Fuel Sensor Ground
7	CPK45	0,75	YELLOW/VIOLET	AC Pressure Sensor (Pressure Transducer) Supply
8	CCL10	0,75	WHITE	DPF Differential Pressure Sensor Supply
9	VE701	0,75	YELLOW/ORANGE	HCI Pressure Sensor 2 Downstream Ground
10	CE901	0,75	YELLOW/BLUE	HCI Pressure Sensor 1 Downstream
15	CDC15D	0,75	VIOLET	Range Interlock Valve LS
16	CCB08	0,75	VIOLET/WHITE	Water in Fuel Sensor Supply
17	LE136	0,75	GREEN/ORANGE	Range Interlock Valve HS
18	VE804	0,75	GREEN/BROWN	Gate Interlock Valve
28	CE937A	0,75	VIOLET/GREY	HCI Temperature Sensor & HCI Pressure 1 Sensor Upstream Supply
29	CCB10	0,75	YELLOW/GREEN	HCI Pressure Sensor 2 Downstream Supply
30	CE417	0,75	GREY/BROWN	AC Pressure Sensor (Pressure Transducer) Signal
38	CCB15	0,75	BROWN/GREEN	Starter Relay LS
39	VE738	0,75	YELLOW/BLUE	AC Pressure Sensor (Pressure Transducer) Ground
43	RET33	0,75	WHITE/VIOLET	HCI Temperature Sensor
44	VET33	0,75	WHITE/ORANGE	DPF Differential Pressure Sensor Ground
46	LCA27M	0,75	BROWN/WHITE	HCI Pressure Sensor 2 Upstream
48	CMC14	0,75	BROWN/YELLOW	DPF Differential Pressure Sensor

TRUCKS

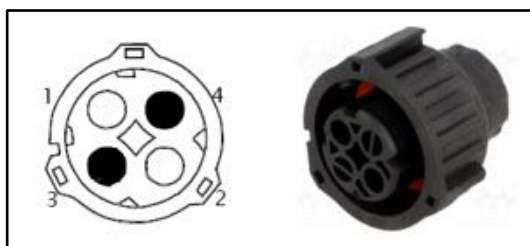


Con. Code	C1E115-C4			
Con. Desc.	MODULE-ENGINE CONTROL-ECM C4 CONNECTOR			
Pin No	Cable Code	Cable Section	Cable Color	Function
1	SBP34A	1,5	YELLOW/RED	Terminal 30 (Battery plus) (1)
2	CEC11	0,75	VIOLET/WHITE	Fan 1 LS
3	LE423T	0,75	GREEN/VIOLET	Fan 1 HS
4	SBP34B	1,5	YELLOW/RED	Terminal 30 (Battery plus) (2)
5	SBP34C	1,5	YELLOW/RED	Terminal 30 (Battery plus) (4)
6	A_GD123A	1,5	BLACK/GREY	Terminal 31 (Battery minus) (1)
7	SBP34D	1,5	YELLOW/RED	Terminal 30 (Battery plus) (3)
8	SBP34E	1,5	YELLOW/RED	Terminal 30 (Battery plus) (5)
9	A_GD123F	1,5	BLACK/GREY	SCR Supply Module Heater Ground
10	A_GD123B	1,5	BLACK/GREY	Terminal 31 (Battery minus) (2)
11	A_GD123D	1,5	BLACK/GREY	Terminal 31 (Battery minus) (4)
12	A_GD123H	1,5	BLACK/GREY	SCR Hose Heater Ground
13	A_GD123C	1,5	BLACK/GREY	Terminal 31 (Battery minus) (3)
14	A_GD123E	1,5	BLACK/GREY	Additional Sensor Ground
19	LE423D	0,75	GREEN/VIOLET	OBD Lamp Supply
20	CE317	0,75	GREY	OBD Lamp LS
27	VEC03	0,75	WHITE/BLUE	Fan Speed Sensor 1
28	VDB28D	0,75	WHITE/GREEN	CAN Low Signal 1
29	VDB27D	0,75	GREY/VIOLET	CAN High Signal 1
30	CEC02	0,75	GREEN/BLUE	Fan Speed Sensor 1 Ground
31	CDC12A	0,75	YELLOW	Terminal 50 Signal // Ignition Switch
33	CEC05	0,75	VIOLET/GREY	Fan Speed Sensor Supply
36	CBP08	0,75	GREY/YELLOW	Terminal 15 Signal // Ignition Switch

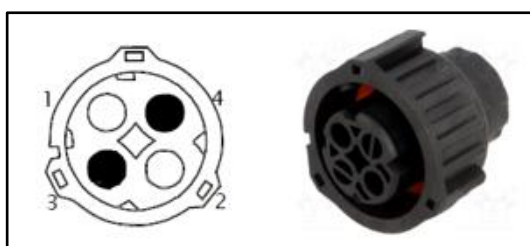
TRUCKS



Con. Code	C1A156A			
Con. Desc.	SOLENOID DIFF. LOCK 1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCL23B	0,75	Violet/Green	5V Sensor Ground
2	ZA327	0,75	Orange/Blue	Rear Axle Difflock 1

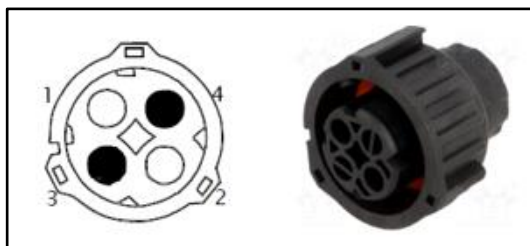


Con. Code	C1A156B			
Con. Desc.	SWITCH DIFF LOCK 2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCL23C	0,75	Violet/Green	5V Sensor Ground
2	ZA125	0,75	Orange	Rear Axle Difflock 2



Con. Code	C4A156A			
Con. Desc.	SOLENOID DIFF LOCK 1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCA21G	0,75	Brown/Green	Solenoid Diff Lock 1 Valve
2	A_GD151C	0,75	Black/Green	Ground

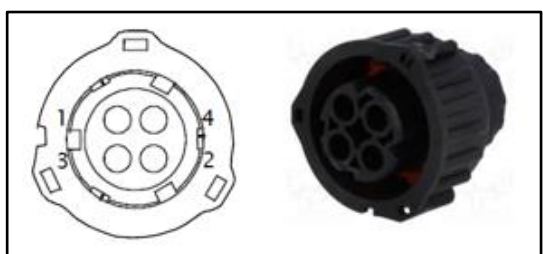
TRUCKS



Con. Code	C4A156B			
Con. Desc.	SOLENOID INTERLOCK			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CHP05D	0,75	Yellow/Orange	Solenoid Interlock Valve
2	A_GD1515E	0,75	Black/Green	Ground



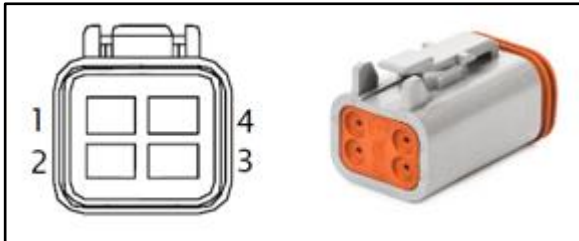
Con. Code	C1A220-B			
Con. Desc.	VALVE-1 CHANNEL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCD03	0,75	Violet/Brown	ECAS Rear 1 Solenoid 1
2	CCD03	0,75	White/Blue	ECAS Rear 1 Solenoid 2
3	RCD04	0,75	Blue/Orange	ECAS Rear 1 Solenoid 3
4	ZA117B	0,75	Orange	ECAS Rear 1 Solenoid Vcc



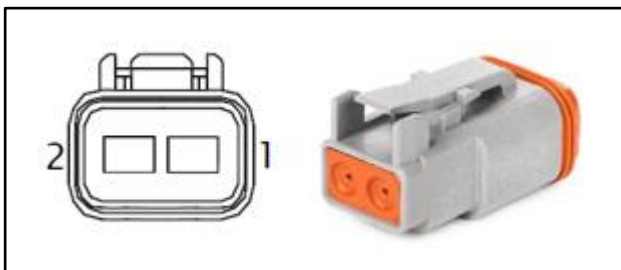
Con. Code	C1A220-C			
Con. Desc.	VALVE-2 CHANNEL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCL12	0,75	Violet/Orange	ECAS Rear 2 Solenoid 1

TRUCKS

2	CCD05	0,75	Green/Blue	ECAS Rear 2 Solenoid 2
3	CCD04	0,75	Grey/Yellow	ECAS Rear 2 Solenoid 3
4	ZA117C	0,75	Orange	ECAS Rear 2 Solenoid Vcc

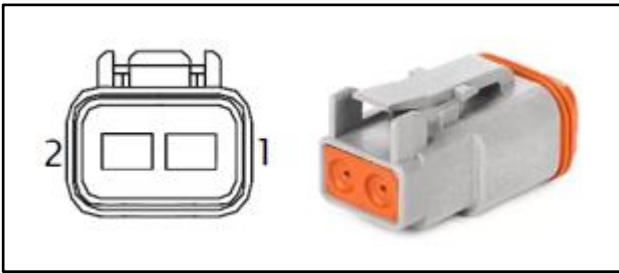


Con. Code	C1A132			
Con. Desc.	EPM FRONT AXLE MODULE TO EBS MODULE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA207	0,75	Orange/Black	Ground
2	ZA206	0,75	Orange/White	Power Supply
3	VDB04B	0,75	White/Blue	CANB Rear H
4	VDB05B	0,75	White	CANB Rear L

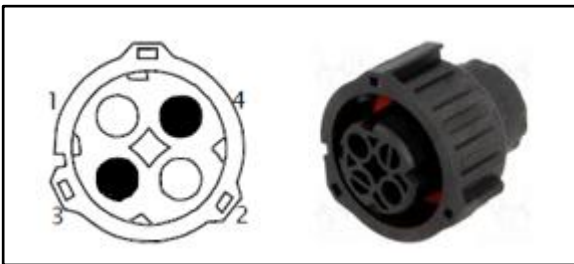


Con. Code	C1A131			
Con. Desc.	EPM FRONT AXLE MODULE TO WHEEL SPEED SENSOR RIGHT FRONT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA05B	0,75	Blue	Wheel Speed Sensor Power
2	RCA19B	0,75	Brown	Wheel Speed Sensor Ground

TRUCKS

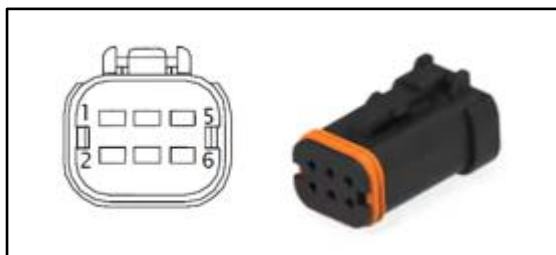


Con. Code	C1A130			
Con. Desc.	EPM FRONT AXLE MODULE TO WHEEL SPEED SENSOR LEFT FRONT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA03B	0,75	Violet/White	Wheel Speed Sensor Power
2	RCA17B	0,75	Yellow	Wheel Speed Sensor Ground

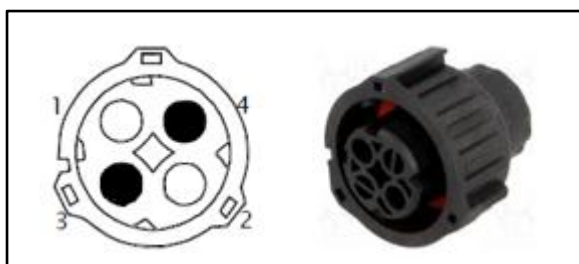


Con. Code	C1YT13			
Con. Desc.	AIR COMPRESSOR PRESSURE SWITCH			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CYT13	0,75	Brown/Violet	Aux Power Unit Sw
2	RCL24B	0,75	Grey/Yellow	PTO Valve Supply

TRUCKS

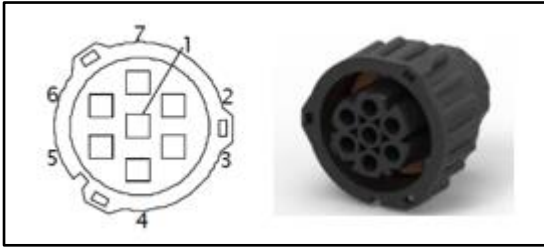


Con. Code	C1A105			
Con. Desc.	EPM FRONT AXLE MODULE TO SENSOR BRAKE PADS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA149	0,75	Orange	Lane Wear Sensor A/B 1
2	CMC09C	0,75	Grey/Orange	Lane Wear Sensor A/B 2
3	ZA143	0,75	Orange/Blue	Lane Wear Sensor A/B 3
4	ZA144	0,75	Orange/Green	Lane Wear Sensor A/B 4
5	ZA145	0,75	Orange/Grey	Lane Wear Sensor A/B 5
6	CMC07C	0,75	Blue/Green	Lane Wear Sensor A/B 6

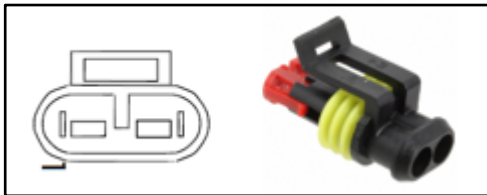


Con. Code	C1A224			
Con. Desc.	AIR DRYER HEATER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP24C	1	Violet/Green	Power
2	A_GD151J	1	Black/Green	Ground

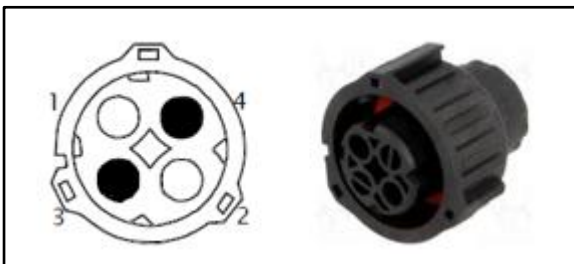
TRUCKS



Con. Code	C1A165			
Con. Desc.	SENSOR UNIT AIR PRESSURE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	LCA37	0,75	Yellow/Orange	cAPU sensor 1 input
3	VCA38	0,75	Brown/Violet	ECAS/Autodrop Height Sensor 1 Power
4	RMC27	0,75	White/Brown	ECAS/Autodrop Height Sensor 1 Ground
5	RCA37	0,75	White/Blue	cAPU sensor 2 input
6	LCL40H	0,75	Yellow/Orange	ECAS/Autodrop Height Sensor 3 Power
7	RCL40A	0,75	Blue/Brown	ECAS/Autodrop Height Sensor 3 Ground



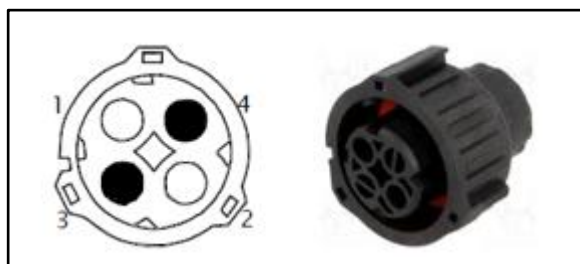
Con. Code	C1A156			
Con. Desc.	LIGHTING ACCESSORY			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP22	1	Green/Orange	Power
2	A_GD150C	1	Black/White	Ground



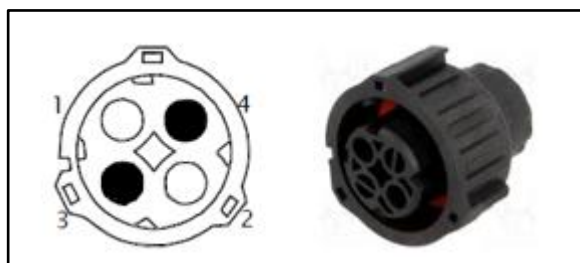
Con. Code	C1A124A			
Con. Desc.	TO VALVE-PRESSURE CONTROL LEFT FRONT A			

TRUCKS

Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CET10A	0,75	Blue/Grey	PCV Left Outlet Valve
2	CET11B	1,5	Green/Orange	PCV Left Valve Ground
3	CET09A	0,75	Yellow/Violet	PCV Left Inlet Valve

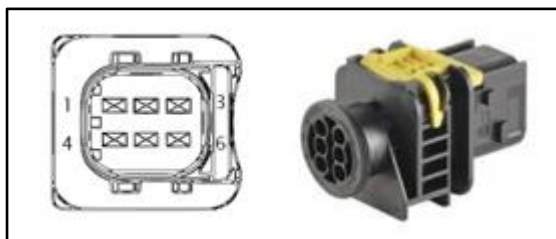


Con. Code	C1A124B			
Con. Desc.	TO VALVE-PRESSURE CONTROL LEFT FRONT B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCA51A	0,75	Blue/Grey	PCV Left Outlet Valve
2	RCA50A	0,75	Grey/Yellow	PCV Left Valve Ground
3	CCA050A	0,75	Green/Blue	PCV Left Inlet Valve



Con. Code	C1A124BA			
Con. Desc.	TO VALVE-PRESSURE CONTROL LEFT FRONT BA			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCA51B	0,75	Blue/Grey	PCV Left Outlet Valve
2	RCA50B	0,75	Grey/Yellow	PCV Left Valve Ground
3	CCA050B	0,75	Green/Blue	PCV Left Inlet Valve

TRUCKS



Con. Code	C2A504			
Con. Desc.	FRONT AXLE 1 LEFT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD150M	0,75	Black/White	Ground
2	ZA148	0,75	Orange/White	POL+
3	CMC07C	0,75	Blue/Green	Lane Wear Sensor A/B 6
4	ZA145	0,75	Orange/Grey	Lane Wear Sensor A/B 5
5	ZA144	0,75	Orange/Green	Lane Wear Sensor A/B 4

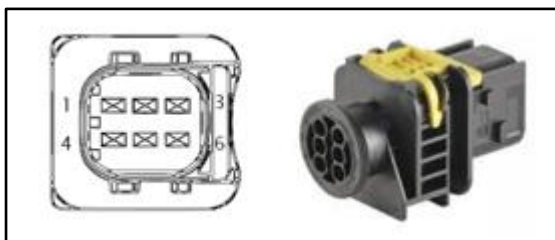


Con. Code	C2A504A			
Con. Desc.	FRONT AXLE 1 RIGHT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA148	0,75	Orange/White	POL-
2	VMC17	0,75	Blue/Orange	POL+
3	ZA143	0,75	Orange/Blue	Lane Wear Sensor A/B 3
4	CMC09C	0,75	Grey/Orange	Lane Wear Sensor A/B 2
5	ZA149	0,75	Orange	Lane Wear Sensor A/B 1

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Con. Code	C4A503			
Con. Desc.	REAR AXLE 2 LEFT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD151Y	0,75	Black/Green	Ground
2	ZA147	0,75	Orange/Black	POL+

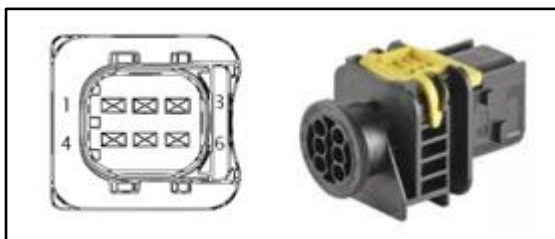


Con. Code	C4A503A			
Con. Desc.	REAR AXLE 2 RIGHT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA147	0,75	Orange/Black	POL-
2	VMC16	0,75	Yellow	POL+

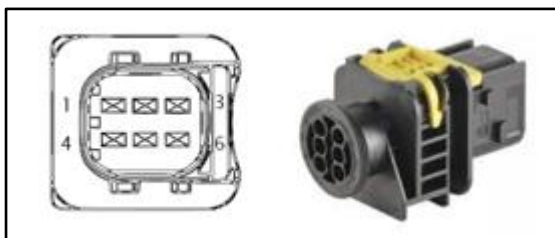


Con. Code	C1A503			
Con. Desc.	REAR AXLE 2 LEFT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD151T	0,75	Black/Green	POL-
2	ZA146	0,75	Orange/White	POL+

TRUCKS



Con. Code	C1A503A			
Con. Desc.	FRONT AXLE 3 RIGHT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA146	0,75	Orange/White	POL-
2	ZCMC06	0,75	Brown/Blue	POL+

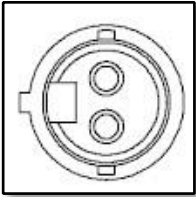


Con. Code	C1A502			
Con. Desc.	REAR AXLE 4 LEFT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD151R	0,75	Black/Green	POL-
2	ZA155	0,75	Orange/Black	POL+

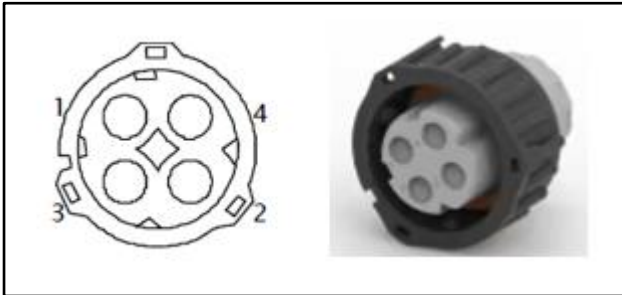


Con. Code	C1A502A			
Con. Desc.	REAR AXLE 4 RIGHT BRAKE PAD SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA155	0,75	Orange/Black	POL+
2	CMC08	0,75	Green/Brown	POL+

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Con. Code	C1AC03A			
Con. Desc.	SENSOR-WHEEL SPEED FRONT LEFT A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA03BA	0,75	Blue	Wheel Speed Sensor A1
2	RCA17BA	0,75	Brown	Wheel Speed Sensor A2



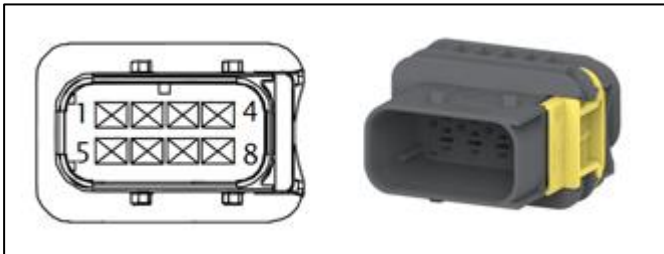
Con. Code	C1CA09			
Con. Desc.	YAW RATE SENSOR (YRS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_CCA09A	0,75	Violet/Brown	Supply
2	B_RCA09A	0,75	Green/Violet	Ground
3	B_VCA23A	0,75	Blue/White	CANB H
4	B_VCA24A	0,75	Green/Orange	CANB L



Con. Code	C1CF37
Con. Desc.	TO CONNECTOR-AFTER MARKET APPLICATIONS

TRUCKS

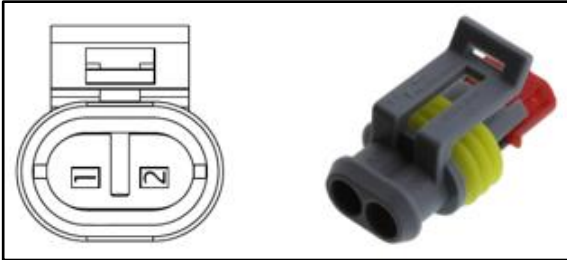
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP50A	0,75	Yellow/Orange	Left Rear Park Lamp
2	CBP80A	1	Yellow/Green	Ignition KL15 (+)
3	SBP79	1,5	White/Red	Power KL30 (+)
4	B_GD150B	1,5	Black/White	Ground (-)
5	VES10B	0,75	White	Cruise Control Set Plus Switch
6	CES06B	0,75	Blue/Green	Cruise Control Set Minus Switch
7	CES04	0,75	Violet/Orange	Cruise Control Resume Switch
8	B_GD150A	1,5	Black/White	Ground (-)
9	CES05	0,75	Brown/Blue	Cruise Control Off Switch
10	CRH02B	0,75	Blue/White	Horn
11	CAT10C	0,75	Red	Damper Input
12	CLS44	0,75	Violet/Brown	Engine Stop
13	CE619D	0,75	Blue/Brown	Engine Start
14	ZA324A	0,75	Orange/White	9 km/h Speed Limit
15	ZA221A	0,75	Orange/Grey	Rolling Back
16	CBP54D	0,75	Violet/Orange	Right Rear Park Lamp
17	X_CBP31C	0,75	Blue/Orange	Dummy Switch 1
18	X_CBP32C	0,75	Green/Violet	Dummy Switch 2



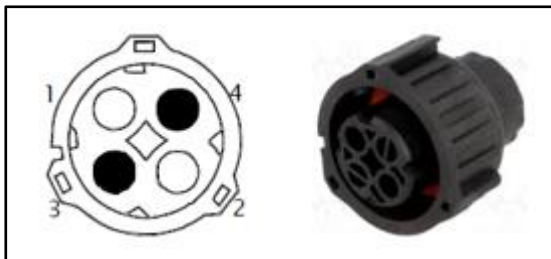
Con. Code	C1CF37D			
Con. Desc.	TO CONNECTOR-AFTER MARKET APPLICATIONS (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN39	0,75	Brown/White	ForwardDrivingSwitch(EmergencySwitch)
2	CCA26AA	1	Blue/Grey	Stop Lamp
3	ZA119AA	1	Orange/Blue	Reverse Gear Lamp
4	CLS29D	1	White	Rear Fog Lamp
5	CAT06D	1	Yellow	Left Signal Lamp
6	CAT09D	1	Green	Right Signal Lamp

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7	CLN38	0,75	Blue/Grey	Step Switch
8	CLN40	1,5	Black/White	Refuse Truck Brake Valve/Splitter

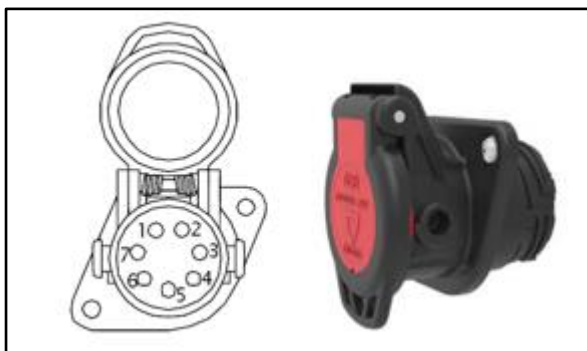


Con. Code	C1MC11			
Con. Desc.	FUEL LEVEL SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RMC32	0,75	Green/Blue	Fuel Level
2	RMC27C	0,75	White/Brown	Ground

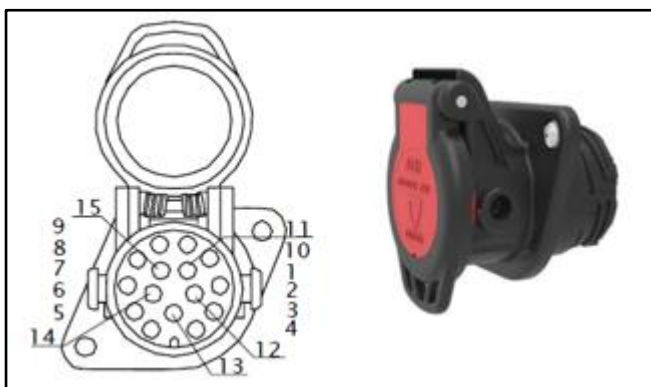


Con. Code	C1E925			
Con. Desc.	VALVE-POWER TAKE OFF ACTUATOR (PTO)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE925B	0,75	Green/White	PTO Valve Supply
2	A_GD150A	0,75	Black/White	Ground

TRUCKS



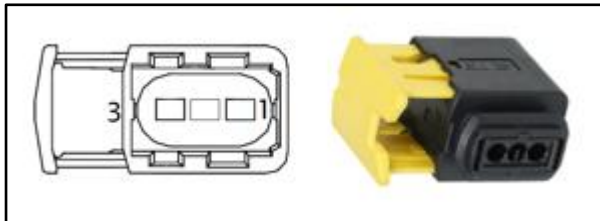
Con. Code	C1AT23A			
Con. Desc.	TRAILER 7 PIN CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP49	4	Red	Power- KL30
2	CBP26	1,5	Blue/White	Ignition KL15
3	B_GD152C	1,5	Black/Blue	Ground
4	B_GD152D	4	Black/Blue	Ground
5	CAT04A	1,5	Grey/Orange	Trailer Detection Switch
6	VDB04	1,5	White/Blue	EBS CAN H
7	VDB05	1,5	White	EBS CAN L



Con. Code	C1AT23B			
Con. Desc.	TRAILER 15 PIN CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CAT06A	1,5	Yellow	Left Turn Signal
2	CAT09A	1,5	Green	Right Turn Signal
3	CLS29A	1,5	White	Rear Fog Lamp
4	B_GD152A	1,5	Black/Blue	Ground
5	CBP54B	1,5	Yellow/Orange	Left Rear Lamp

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6	CBP50B	1,5	Yellow/Orange	Right Rear Lamp
7	CCA26A	1,5	Blue/Grey	Stop Lamp
8	ZA119B	1,5	Orange/Blue	Backup Lambs
9	CAT10	2,5	Red	Damper Switch
10	CAT11	1,5	Brown	Spare
11	CAT12	1,5	Blue/Grey	Spare
12	CAT13	1,5	Green/Orange	Spare
13	B_GD152B	1,5	Black/Blue	Ground
14	CAT14	1,5	Orange	Spare
15	CAT23	1,5	Grey/Yellow	Spare

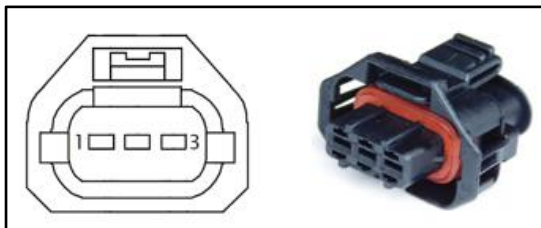


Con. Code	C1CL17			
Con. Desc.	COMPRESSOR SWITCHABLE AIR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE423BC	0,75	Green/Violet	Power
3	VE175	0,75	Brown/White	Ground

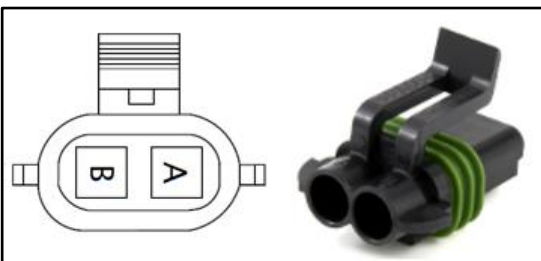


Con. Code	C1DC35			
Con. Desc.	STARTER SELENOID			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC55	2,5	Brown/Violet	Starter Relay LS
2	CDC25	2,5	Brown/Green	Starter Relay HS

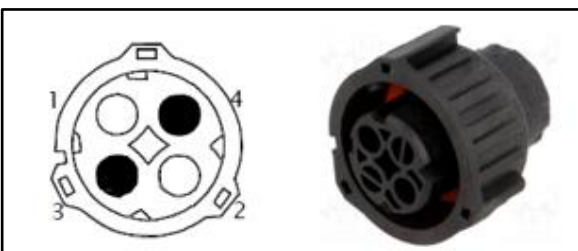
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Con. Code	C1E823			
Con. Desc.	WATER IN FUEL SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE823	0,75	Blue/Brown	Power
2	RE405B	0,75	Green/White	Ground
3	LE423B	0,75	Green/Violet	Signal

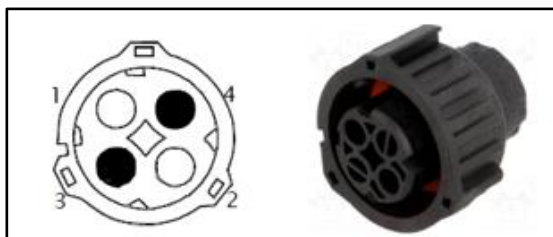


Con. Code	C1A179			
Con. Desc.	FUEL FILTER HEATER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
A	A_GD152J	1	Black/Blue	Ground
B	CBP24D	1	Violet/Green	Power

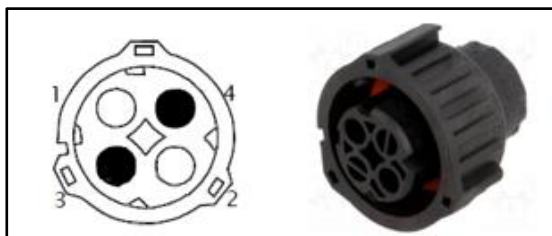


Con. Code	C1A123			
Con. Desc.	ABS VALVE PRESSURE RIGHT FRONT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CET10	0,75	Blue/Grey	Steer Right Outlet Valve
2	CET11A	0,75	Green/Orange	Steer Right Valve Ground
3	CET09	0,75	Yellow/Violet	Steer Right Inlet Valve

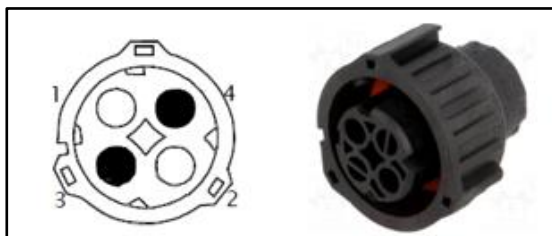
TRUCKS



Con. Code	C1E813			
Con. Desc.	VALVE-TAG AXLE LIFTER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE719	0,75	Grey/Violet	Ground
2	VE723	0,75	Green/Violet	ECAS Front Solenoid 2



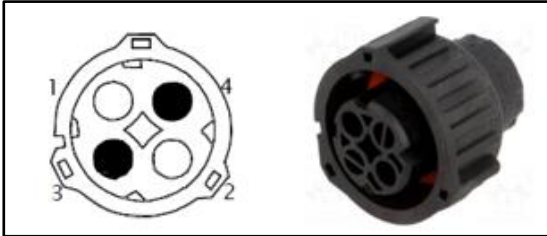
Con. Code	C1PR78			
Con. Desc.	VALVE-TAG AXLE LIFTER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA117D	0,75	Orange	ECAS Rear1 Solenoid 2
2	GD411AB	0,75	Black/Blue	Ground
3	ZA117E	0,75	Orange	ECAS Rear2 Solenoid 1
4	A_GD151AD	0,75	Black/Blue	Ground



Con. Code	C1CD13			
Con. Desc.	SENSOR-HEIGHT REAR AXLE RHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCL40G1	0,75	Yellow/Orange	Supply
2	RCL40G1	0,75	Blue/Brown	Ground

TRUCKS

4	VDC13A1	0,75	Green/Violet	Signal
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Con. Code	C1CD12			
Con. Desc.	SENSOR-HEIGHT REAR AXLE RHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCL40G	0,75	Yellow/Orange	Supply
2	RCL40G	0,75	Blue/Brown	Ground
4	VDC13A	0,75	Green/Violet	Signal



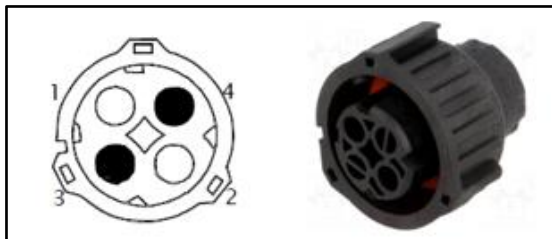
Con. Code	C1CD19			
Con. Desc.	SENSOR-AUTODROP 2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCL40L	0,75	Yellow/Orange	Supply
2	RCL40L	0,75	Blue/Brown	Ground
3	VDC13L	0,75	Green/Violet	Signal



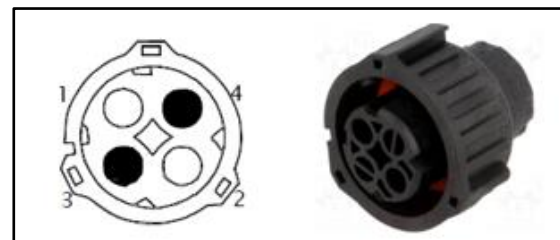
Con. Code	C1CD20B			
Con. Desc.	SENSOR-AUTODROP 3			

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Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCL40M	0,75	Yellow/Orange	Supply
2	RCL40M	0,75	Blue/Brown	Ground
3	VDC13M	0,75	Green/Violet	Signal



Con. Code	C1CL13			
Con. Desc.	SENSOR-AUTODROP 4			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCL40N	0,75	Yellow/Orange	Supply
2	RCL40N	0,75	Blue/Brown	Ground
3	VDC13N	0,75	Green/Violet	Signal

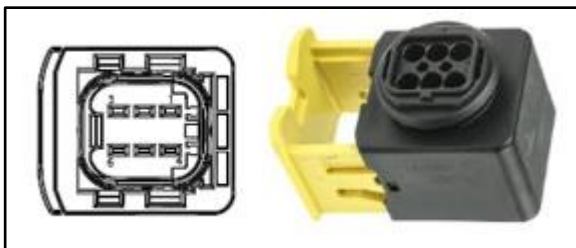


Con. Code	C1A183			
Con. Desc.	SENSOR-PRESSURE REAR AXLE RHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA112A	0,75	Orange/Green	Supply
2	VCL19	0,75	Green	Signal
4	ZA111A	0,75	Orange/Blue	Ground

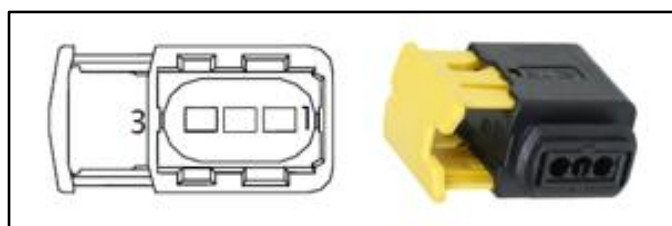


TRUCKS

Con. Code	C1A181			
Con. Desc.	SENSOR-PRESSURE REAR AXLE LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA112B	0,75	Orange/Green	Supply
2	LCL19	0,75	Violet	Signal
4	ZA111B	0,75	Orange/Blue	Ground



Con. Code	C1CS05-3			
Con. Desc.	SENSOR-PRESSURE REAR AXLE LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD150Z	0,75	Black/White	Ground
2	VDB11B	0,75	Brown/Green	VCAN3 H
3	VDB12B	0,75	Brown/Blue	VCAN3 L
5	CBP02D	0,75	Green	Supply

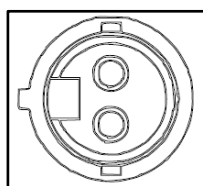


Con. Code	C1E356-B			
Con. Desc.	VALVE-TANK HEATING 2 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE423P	0,75	Green/Violet	SCR Tank Heating Valve HS
3	RCL17C	0,75	White/Orange	SCR Tank Heating Valve LS

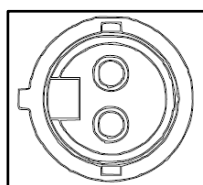
TRUCKS



Con. Code	C1H423			
Con. Desc.	SWITCH A/C PRESSURE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CH422	0,75	Violet	Ground
2	CH302	0,75	White/Brown	Supply
3	CH423	0,75	Yellow	Signal

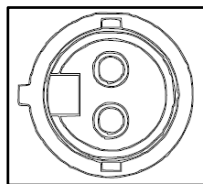


Con. Code	C1CA03B			
Con. Desc.	SENSOR-PRESSURE REAR AXLE LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA03A	0,75	Violet/White	WSS STEER LEFT +
2	RCA17A	0,75	Yellow	WSS STEER LEFT -



Con. Code	C1CA05A			
Con. Desc.	SENSOR - WHEELSPEED RIGHT FRONT A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA05A	0,75	Grey/Violet	WSS STEER RIGHT +
1	VCA05BA	0,75	Blue	WSS_B1
2	RCA19A	0,75	Violet	WSS STEER RIGHT -
2	RCA19BA	0,75	Brown	WSS_B2

TRUCKS



Con. Code	C4CA04			
Con. Desc.	SENSOR-PRESSURE REAR AXLE LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA04B	0,75	Blue	WSS DRIVE LEFT +
2	RCA18B	0,75	Brown	WSS DRIVE LEFT -

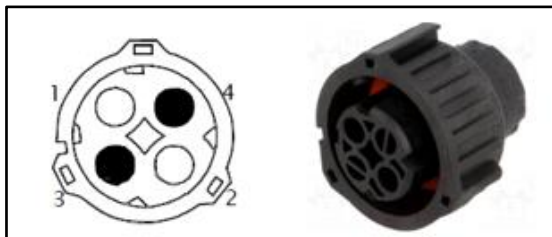


Con. Code	C1CA59A			
Con. Desc.	SENSOR-AUTODROP 4			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCA59	0,75	Green/Orange	Supply
2	CCA60	0,75	Violet/Brown	Ground

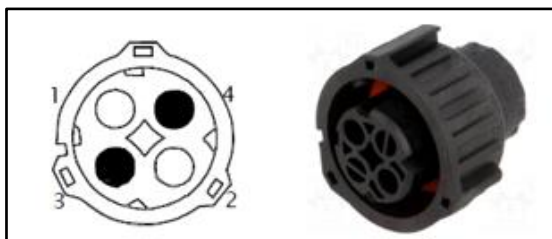


Con. Code	C4A140			
Con. Desc.	VALVE-CRAM A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCA57	0,75	Brown/Yellow	DRIVE RIGHT INLET VALVE
2	RCA56	0,75	Grey/Yellow	DRIVE RIGHT VALVE GROUND
3	CCA56	0,75	Violet/Grey	DRIVE RIGHT OUTLET VALVE

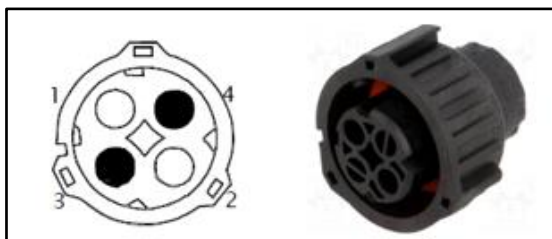
TRUCKS



Con. Code	C4A141			
Con. Desc.	VALVE-CRAM B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCA54	0,75	Brown/Yellow	DRIVE LEFT INLET VALVE
2	RCA54	0,75	Grey/Yellow	DRIVE LEFT VALVE GROUND

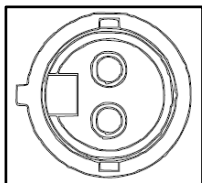


Con. Code	C1CA59C			
Con. Desc.	TRACTION CONTROL VALVE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA14A	0,75	White/Brown	TCV DRIVE AXLE INLET VALVE
2	CCA59B	0,75	Yellow/Violet	TCV DRIVE AXLE OUTLET VALVE

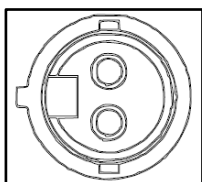


Con. Code	C1CA49-A			
Con. Desc.	VALVE -PRESSURE CONT. DRIVE AXLE LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA49	0,75	Violet	VAL PR CON. DRIVE AXLE LEFT IN
2	RCA54	0,75	Grey/Violet	DRIVE LEFT VALVE GND
3	CCA54A	0,75	Violet/Green	DRIVE LEFT INLET VALVE

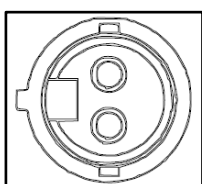
TRUCKS



Con. Code	C4CA06			
Con. Desc.	SENSOR - WHEELSPEED RIGHT REAR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA06B	0,75	Blue	WSS DRIVE RIGHT +
2	RCA20B	0,75	Brown	WSS DRIVE RIGHT -

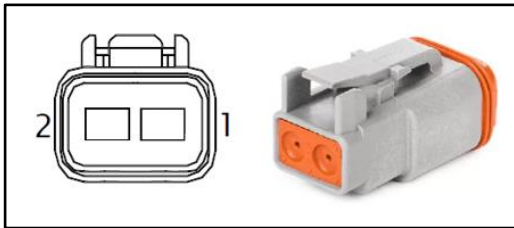


Con. Code	C1CA04E			
Con. Desc.	TO SENSOR-WHEEL SPEED LEFT ADD1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA04AA	0,75	Blue	WSS LEFT ADD1 +
2	RCA18AA	0,75	Brown	WSS LEFT ADD1 -

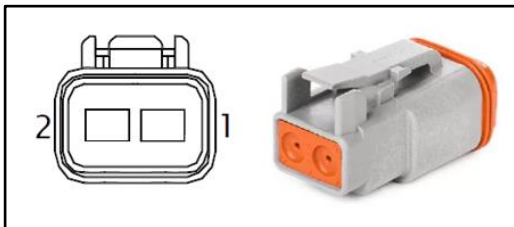


Con. Code	C1CA06E			
Con. Desc.	SENSOR-WHEEL SPEED RIGHT ADD1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA06AA	0,75	White/Orange	WSS RIGHT ADD1 +
2	RCA20AA	0,75	Brown	WSS RIGHT ADD1 -

TRUCKS



Con. Code	C1A125A			
Con. Desc.	TO MODULE-ADD1 WSS_A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA04A	0,75	Blue/Orange	WSS LEFT ADD1 +
2	RCA18A	0,75	Brown/Green	WSS LEFT ADD1 -

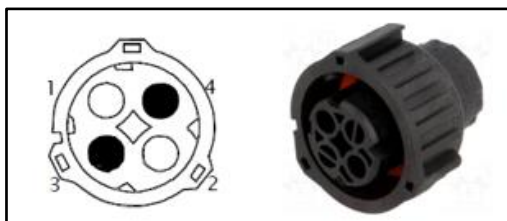


Con. Code	C1A126A			
Con. Desc.	TO MODULE-ADD1 WSS_B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA06A	0,75	White/Orange	WSS RIGHT ADD1 +
2	RCA20A	0,75	Brown	WSS RIGHT ADD1 -



Con. Code	C1CA49-B			
Con. Desc.	VALVE-PRESSURE CONT. DRIVE AXLE RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCA56A	0,75	Violet/Grey	DRIVE AXLE RIGHT OUTLET VALVE
2	RCA56A	0,75	Grey/Yellow	DRIVE AXLE RIGHT VALVE GND
3	CCA57A	0,75	Brown/Yellow	DRIVE AXLE RIGHT INLET VALVE

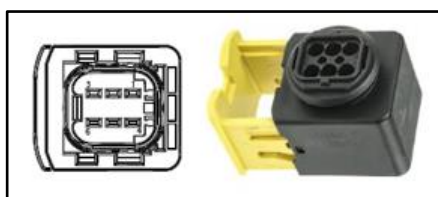
TRUCKS



Con. Code	C1E139			
Con. Desc.	SOLENOID EXHAUST BRAKE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE139	0,75	Brown/Blue	Jake brake 1 HS/Exhaust-Flap
2	RE139	0,75	Grey/Orange	Jake brake 1 LS / Exhaust-Flap



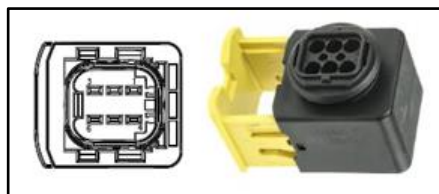
Con. Code	C2E515			
Con. Desc.	PUMP-DRY TYPE HEATER FUEL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152Z	0,75	Black/Blue	Ground
1	A_GD152ZA	0,75	Black/Blue	Ground
2	VE518	0,75	Brown/White	Fuel Pump - Wet Type Fuel Fired Heater
2	CE515	0,75	Yellow/Grey	Fuel Pump - Dry Type Fuel Fired Heater



Con. Code	C1MC39A			
Con. Desc.	TO TPMS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP62A	0,75	Brown/Red	Power Supply (KL30 Battery)
2	VDB25TC	0,75	Green/Orange	VCAN3 +
4	GD185B	0,75	Black/Blue	Ground
5	VDB26TC	0,75	Grey/Blue	VCAN3 -

TRUCKS

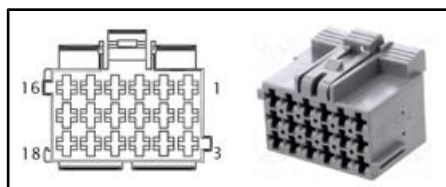
6	CBP61A	0,75	Blue/Grey	Power Supply (KL15 Ignition)
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Con. Code	C1MC39B			
Con. Desc.	REPEATER - TIRE PRESSURE MONITORING SYSTEM (TPMS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP61B	0,75	Blue/Grey	Power Supply (KL15 Ignition)
4	GD185C	0,75	Black/Blue	Ground



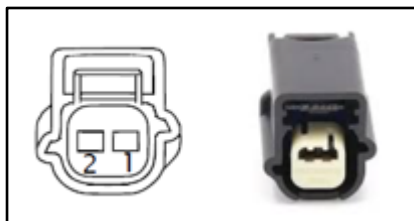
Con. Code	C1EC01			
Con. Desc.	ENGINE FAN			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VEC03	0,75	White/Blue	Fan Speed Sensor 1
2	CEC02	0,75	Green/Blue	Fan Speed Sensor 1 Ground
3	CEC11	0,75	Violet/White	Fan 1 LS
4	LE423T	0,75	Green/Violet	Fan 1 HS
5	CEC05	0,75	Violet/Grey	Fan Speed Sensor Supply



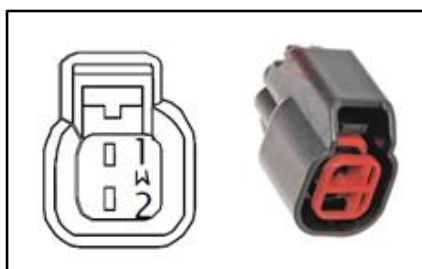
Con. Code	C2MC39-A			
Con. Desc.	MODULE-TIRE PRESSURE MONITORING SYSTEM (TPMS) CAN			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

TRUCKS

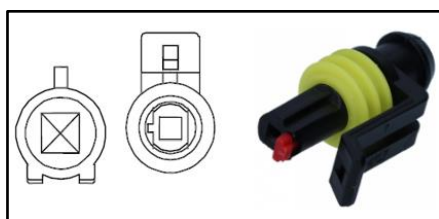
2	VDB25TC	0,75	Green/Orange	V-CAN 2+
5	VDB26TC	0,75	Grey/Blue	V-CAN 2-



Con. Code	C1H407			
Con. Desc.	SENSOR-AMBIENT TEMPERATURE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE740	0.75	VT/GY	Ext. Temperature
2	RMC27D	0.75	WH/BN	Ground

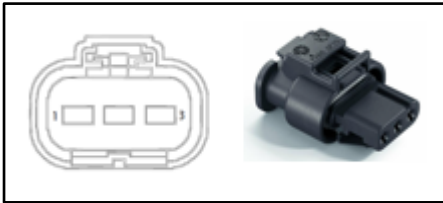


Con. Code	C1RH02			
Con. Desc.	HORN			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CRH02A	0.75	Blue/White	Power
2	A_GD1520	0.75	Black/Blue	Ground

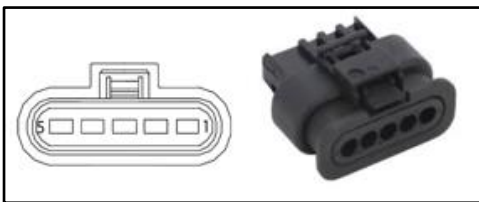


Con. Code	C1A170			
Con. Desc.	SENSOR-LOW PRESSURE STEERING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA320	0.75	Orange/Green	Cluster – Low Pressure Steering

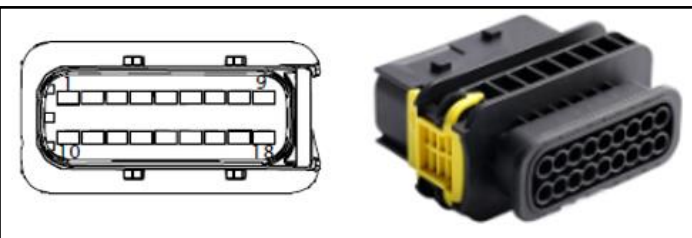
TRUCKS



Con. Code	C2DC56			
Con. Desc.	SENSOR-BATTERY MONITORING(BMOS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LDC59A	0,75	BU/WH	Power Supply +12V
2	VDN13	0,75	BN	LIN
3	LDC69	0,75	VT/GY	Power Supply +24V



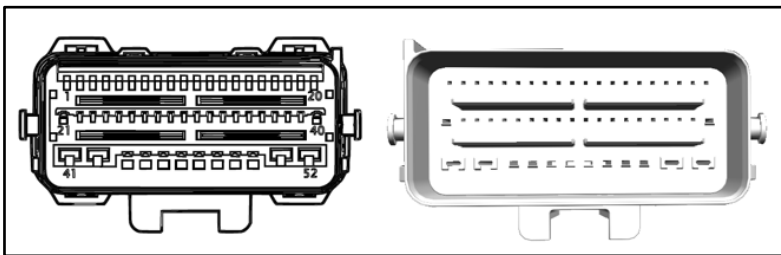
Con. Code	C1E826-C			
Con. Desc.	SENSOR -NOX 1 (EU5)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE356C	0,75	Yellow/Orange	Power Supply
2	A_GD163T	0,75	Black/Green	Ground
3	VDB30B	0,75	White/Green	VCAN -
4	VDB29B	0,75	Green/Blue	VCAN +



Con. Code	C12-F			
Con. Desc.	14406 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

TRUCKS

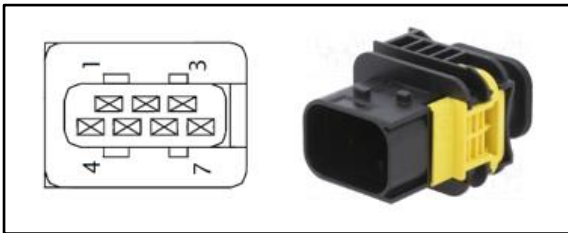
1	CBP59F	0,75	BROWN/WHITE	Power Supply KL15
2	VMF10	0,75	WHITE/VIOLET	PRIVATE/CAN H
3	VMF11	0,75	WHITE/ORANGE	PRIVATE CAN /L
4	GD185F	0,75	BLACK/WHITE	Ground
5	VDB11R	0,75	BROWN/GREEN	V-CAN3 (+)
6	VDB12R	0,75	BROWN/BLUE	V-CAN3 (-)
8	CBB73C	0,75	WHITE/BROWN	Power Supply KL15
9	VMF04	0,75	BROWN/BLUW	PRIVATE CAN/H
10	VMF05	0,75	GREY/BLUE	PRIVATE CAN/L



Con. Code	C11-K			
Con. Desc.	14406 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCA37	0,75	YELLOW/ORANGE	cAPU sensor 1 input
2	RCA37	0,75	WHITE/BLUE	cAPU sensor 2 input
4	VDC13L	0,75	GREEN/VIOLET	Sensor Autodrop 2 Signal
5	VDC13A	0,75	GREEN/VIOLET	SENSOR-HEIGHT REAR AXLE RHS Signal
6	VDC13A1	0,75	GREEN/VIOLET	SENSOR-HEIGHT REAR AXLE RHS Signal
7	B_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch
8	B_VE925	0,75	GREEN/WHITE	PTO Valve Supply
9	B_CET47A	0,75	BLUE	Switch Reverse Gear Signal 2
10	ZA327	0,75	ORANGE/BLUE	Rear Axle Difflock 1
11	ZA125	0,75	ORANGE	Rear Axle Difflock 2
12	CHP05C	0,75	YELLOW/ORANGE	Solenoid Interlock Valve
13	RCA21E	0,75	BROWN/GREEN	SOL DIFFLOCK 1 VALVE
21	GD411A	1,5	BLACK/GREY	Ground
25	VDB04F	0,75	WHITE/BLUE	V_CAN1 +
26	VDB05F	0,75	WHITE	V_CAN1 -
27	VDB27B	0,75	GREY/VIOLET	ECM FLASH(+)
28	VDB28B	0,75	WHITE/GREEN	ECM FLASH(-)
30	RCL23	0,75	VIOLET/GREEN	5V SENSOR GND

TRUCKS

31	RCL24	0,75	GREY/YELLOW	PTO Valve Supply
32	RMC27	0,75	WHITE/BROWN	ECAS/Autodrop Height Sensor 1 Ground
32	RCL40A	0,75	BLUE/BROWN	ECAS/Autodrop Height Sensor 3 Ground
33	RCL40A	0,75	BLUE/BROWN	ECAS/Autodrop Height Sensor 3 Ground
34	ZA111	0,75	ORANGE/BLUE	SENSOR-PRESSURE REAR AXLE GROUND
36	VCA38	0,75	BROWN/VIOLET	ECAS/Autodrop Height Sensor 1 Power
37	LCL40A	0,75	YELLOW/ORANGE	Power Supply APU / Height Rear Axle Sensor
39	CET36A	0,75	VIOLET/ORANGE	Vehicle Control Unit Wake Up
40	SBP11A	1,5	BLUE/RED	Battery Power Supply B+(1) / VCU
41	GD411B	1,5	BLACK/GREY	Ground
42	GD411C	1,5	BLACK/GREY	Ground
51	SBP11B	1,5	BLUE/RED	Battery Power Supply B+(3) / VCU
52	SBP11C	1,5	BLUE/RED	Battery Power Supply B+ / VCU



Con. Code	C14-A			
Con. Desc.	14405 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP46F	1,5	White/Blue	Right Park Lamps
2	CBP48G	1	Grey/Yellow	Left Park Lamps
3	ZA119D	1	Orange/Blue	Backup Lamps
4	CCA26D	1,5	Blue/Grey	Stop Lamps
5	ZA116D	0,75	Orange/Yellow	Rear Fog Lamps
6	CLS21F	0,75	Blue/Green	Right Turn Signals
7	CLS25B	0,75	Yellow/Violet	Left Turn Signals



TRUCKS

Con. Code	C21-H			
Con. Desc.	14F502 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPL30	0,75	BLUE/BROWN	CABIN LATCH UNLOCK
2	CE501	0,75	GREY	Air Filter Intake Restriction
3	A_GD152AA	0,75	BLACK/BLUE	GROUND

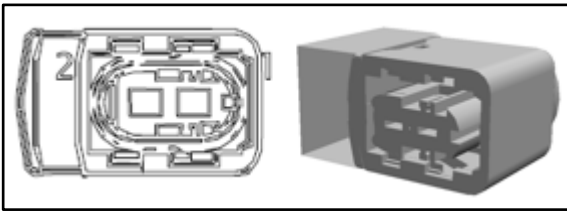


Con. Code	C21-G			
Con. Desc.	14N013 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC05	0,75	Grey/Violet	BMS CTRL 1
3	SDC68B	0,75	Brown/Violet	BMS AUX 3
4	A_GD150H	0,75	Black/White	BMS AUX 4
5	CDC05D	0,75	Grey/Violet	ADR1 SWITCH

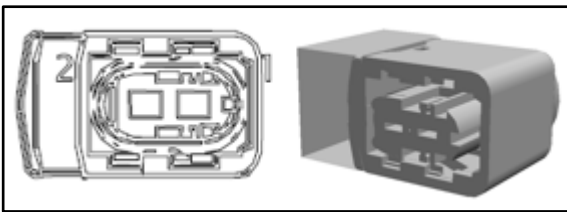


Con. Code	C14-F			
Con. Desc.	14C574 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	ZA321	0,75	Orange/Grey	Cabin Tilting Switch
5	A_GD150G	4	Black/White	Cabin Tilting Ground
6	ZA322	4	Orange/White	Cabin Tilting Power

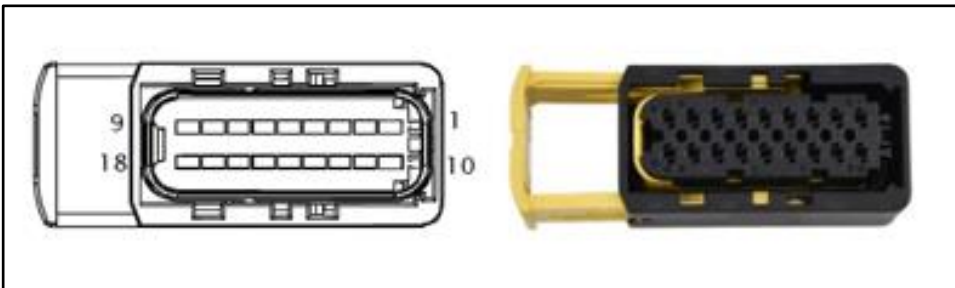
TRUCKS



Con. Code	C14-K			
Con. Desc.	14D146 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS15	1,5	GREEN/VIOLET	Vehicle Control Unit – Left Sidemarker
2	A_GD152E	1,5	BLACK/BLUE	GROUND



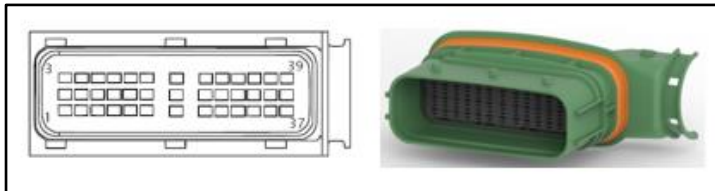
Con. Code	C14-J			
Con. Desc.	14D146 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS16	1,5	WHITE/BROWN	Vehicle Control Unit – Right Sidemarker
2	A_GD152D	1,5	BLACK/BLUE	GROUND



Con. Code	C11-D			
Con. Desc.	12A690 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

TRUCKS

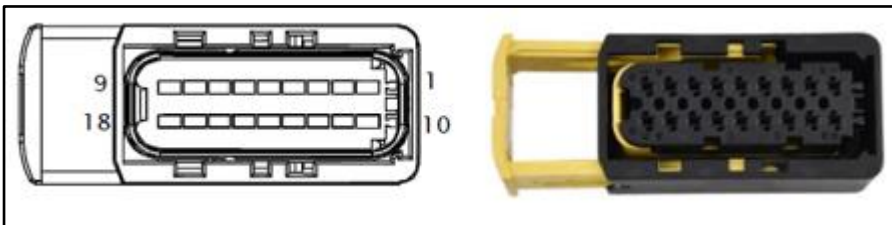
1	A_GD163P	1,5	Black/Grey	Ground
3	VDB29G	0,75	Green/Blue	Engine CAN H
4	VDB30G	0,75	White/Green	Engine CAN L
5	CPK45	0,75	Yellow/Violet	Engine Compartment Start Switch
6	CE937B	0,75	Violet/Grey	Engine Compartment Stop Switch
7	LCA27L	0,75	Brown/White	Switch Splitter
10	CH401	0,75	Violet/White	AC Cut Off Supply
11	CDC06A	0,75	Violet/White	Alternator L
12	CE103	0,75	Blue/Brown	Power
13	CDC15D	0,75	Violet	Alternator IG
14	LE139	0,75	Brown/White	Jake brake 1 HS/Exhaust-Flap
15	RE139	0,75	Grey/Orange	Jake brake 1 LS/Exhaust-Flap



Con. Code	C21-C			
Con. Desc.	14K039 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VDB11E	0,75	BROWN/GREEN	VCAN3 H
2	VDB12E	0,75	BROWN/BLUE	VCAN3 L
3	LCA27J	0,75	BROWN/WHITE	Range Interlock Valve HS
4	LCA27K	0,75	BROWN/WHITE	Splitter Switch Signal 1
5	A_RE327	0,75	GREY/VIOLET	PTO Acknowledge Switch
6	CCL10A	0,75	WHITE	Low Range Selection
7	ZA159A	1	ORANGE/BLUE	Automatic Transmission Control
8	ZA160A	1	ORANGE/GREEN	Automatic Transmission Control
9	RCL23A	0,75	VIOLET/GREEN	Reverse Gear Switch Ground
11	ZA162A	1	ORANGE/WHITE	Automatic Transmission Control
12	CBP05G	1	YELLOW	Intarder Power Supply KL15 VPI
13	VDB11A	0,75	BROWN/GREEN	VCAN3 H
14	VDB12A	0,75	BROWN/BLUE	VCAN3 L
15	SBP13E	0,75	GREY/RED	Intarder Power Supply KL15 VPE1
16	ZA163A	1	ORANGE/BLACK	Automatic Transmission Control
17	CET16	0,75	WHITE/BLUE	Range Interlock Valve LS
18	CET17	0,75	GREEN/BLUE	Gate Interlock Valve LS

TRUCKS

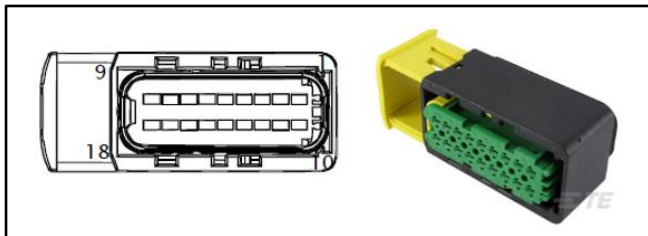
19	CCB36	0,75	BLUE/GREY	Vehicle Speed Sensor Power
20	RCB36	0,75	YELLOW/BLUE	Vehicle Speed Sensor Ground
21	VCB35	0,75	BROWN/WHITE	Vehicle Speed Sensor Hall
22	VMC39	0,75	BLUE	Vehicle Speed Sensor Tachograph
23	LCA27H	0,75	BROWN/WHITE	Gate Interlock Valve
24	B_CET47A	0,75	BLUE	Switch Reverse Gear Signal 2
25	CDC37A	0,75	GREY/VIOLET	Switch Neutral Gear Signal 2
26	ZA165A	0,75	ORANGE	Automatic Transmission Control
27	ZA179L	0,75	ORANGE/BLACK	Automatic Transmission Control
28	ZA170A	2,5	ORANGE/WHITE	Automatic Transmission Control
30	ZA171A	1	ORANGE/BLACK	Automatic Transmission Control
31	RCL24A	0,75	GREY/YELLOW	Switch Neutral Gear Ground 1
32	RET33	0,75	WHITE/VIOLET	Layshaft Speed Sensor(+)
33	VET33	0,75	WHITE/ORANGE	Layshaft Speed Sensor(-)
34	VE738	0,75	YELLOW/BLUE	Splitter Switch
35	ZA173A	1	ORANGE	Automatic Transmission Control
36	ZA179E	1	ORANGE/BLACK	Automatic Transmission Control
37	B_GD184C	0,75	BLACK/GREY	Valve Gate Interlock Ground
38	B_GD184B	2,5	BLACK/GREY	Intarder VM2 Ground
39	B_GD184A	2,5	BLACK/GREY	Intarder VM1 Ground



Con. Code	C11-H			
Con. Desc.	14D378 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE766B	0,75	GREY/YELLOW	WEMA Sensor Power Supply
2	VDB30F	0,75	WHITE/GREEN	Engine CAN L
3	VDB29F	0,75	GREEN/BLUE	Engine CAN H
4	A_GD163L	0,75	BLACK/GREY	WEMA Sensor Ground
5	CE354A	1,5	BROWN/BLUE	DNOX Module Power Pump
6	RE356	1	VIOLET	SCR Pressure Hose Heater 2 LS
7	CE356A	0,75	BLUE/ORANGE	DNOX Module Heater Signal
8	VE352	1	BROWN	SCR Pressure Hose Heater 1 LS

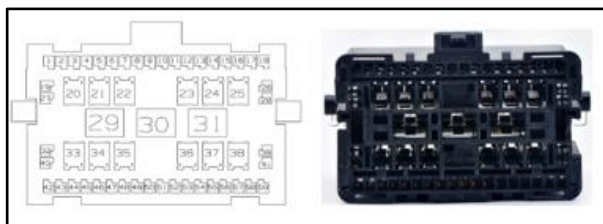
TRUCKS

9	LE423S	0,75	GREEN/VIOLET	SCR Tank Heating Valve HS
10	RCL17D	0,75	WHITE/ORANGE	SCR Tank Heating Valve LS
11	VE353	0,75	GREY/BLUE	SCR Pressure Sensor Supply
12	VE708	0,75	GREEN/BROWN	SCR Pressure Sensor
13	RE353	0,75	GREEN/BROWN	SCR Pressure Sensor Ground
14	CH304	1,5	YELLOW/GREY	SCR Supply Module Heater LS
15	RE354	0,75	WHITE/BLUE	SCR Pump Motor GND
16	VE354	0,75	GREEN/BLUE	SCR Pump Motor Control
17	RE355	0,75	GREEN	SCR Reverting Valve Purging Pump LS
18	RE354G	0,75	WHITE/BLUE	SCR Reverting Valve Purging Pump HS



Con. Code	C11-G			
Con. Desc.	12A690 INLINER (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RE771	0,75	GREEN/ORANGE	HCI Pressure Sensor 1 Upstream Ground
2	VE351	0,75	VIOLET/ORANGE	HCI Metering Valve HS
3	VE350	1	GREEN	HCI Metering Valve LS
4	LE357	0,75	WHITE	HCI Shut-Off Valve HS
5	RE357	0,75	VIOLET/WHITE	HCI Shut-Off Valve LS
6	RE803	0,75	BROWN/GREEN	HCI Temperature Sensor
7	VE803	0,75	BLUE/GREEN	HCI Pressure Sensor 1 Downstream
8	RE804	0,75	GREEN/BLUE	HCI Pressure 1 Sensor Upstream Supply
9	ZA191	0,75	ORANGE/GREEN	HCI Pressure Sensor 2 Downstream Supply
11	VE770	0,75	GREY/BROWN	HCI Pressure Sensor 2 Upstream
12	VE769	0,75	BLUE/GREY	HCI Pressure Sensor 2 Downstream Ground
13	VDC73	0,75	GREEN/WHITE	Alternator W
15	CE612	0,75	GREY/VIOLET	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. HS
18	CE613	0,75	WHITE/VIOLET	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. LS

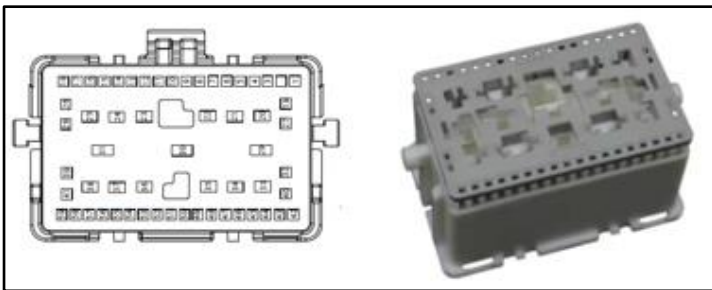
TRUCKS



Con. Code	C12-A (Without Band)			
Con. Desc.	14401 INLINER (1)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	CE356A	0,75	BLUE/ORANGE	DNOX Module Heater Signal
3	CCB10	0,75	YELLOW/GREEN	Engine Brake Demand Switch
4	CE103	0,75	BLUE/BROWN	Power Supply
8	CMC14	0,75	BROWN/YELLOW	Oil Pressure Warning LED 2
10	VE356	0,75	GREY/VIOLET	Power Supply
11	LE423D	0,75	GREEN/VIOLET	OBD Lamp Supply
12	VDB30D	0,75	WHITE/GREEN	VCAN -
13	VDB29D	0,75	GREEN/BLUE	VCAN +
14	CH401	0,75	VIOLET/WHITE	CH401
15	VDB28A	0,75	WHITE /GREEN	ECM FLASH CAN -
16	VDB27A	0,75	GREY/VIOLET	ECM FLASH CAN +
22	ZA119	1	ORANGE/BLUE	Reverse Gear Lamp
23	GD108A	2,5	BLACK/VIOLET	Battery Ground
24	CBP22	1	GREEN/ORANGE	Lighting Power Supply
25	CBP23	0,75	BROWN/YELLOW	Vehicle Control Unit KL15
26	CET36A	0,75	VIOLET/ORANGE	Vehicle Control Unit Wake Up
28	CDC33A	0,75	VIOLET/GREEN	Vehicle Control Unit KL75
29	SBP49	4	RED	Trailer Connector Magnetic Valve+ 1
30	SBP11	4	BLUE/RED	Vehicle Control Unit KL30
31	SBP34	4	YELLOW/RED	Battery Power Supply KL30
33	RCS06B	1	BROWN/VIOLET	Yaw Rate Sensor Ground
34	B_VCA24A	1	GREEN/ORANGE	Yaw Rate Sensor CANB L
35	VCA42B	1	VIOLET/ORANGE	Yaw Rate Sensor CANB H
36	VCA41B	1	VIOLET/GREEN	Yaw Rate Sensor CANB L
37	CAT04A	1,5	VIOLET/ORANGE	Trailer Connector Warning Device
43	VDN04M	0,75	VIOLET/WHITE	Rear Parking Aid LIN
44	VMP19C	0,75	WHITE/GREEN	Rear Parking Aid VID +
45	RMP19C	0,75	BLUE/GREY	Rear Parking Aid VID -
46	DMP19C	0,75	BLACK	VID D KL31
47	SBB47C	0,75	WHITE/RED	Power Supply
48	ZA321	0,75	ORANGE/GREY	Cabin Tilting

TRUCKS

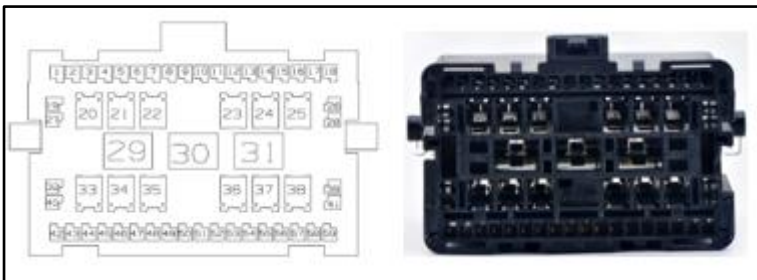
49	VMC39	0,75	BLUE	Vehicle Speed Sensor Tachograph
50	VCB35	0,75	BROWN/WHITE	Vehicle Speed Sensor Hall
51	RCB36	0,75	YELLOW/BLUE	Vehicle Speed Sensor Ground
52	CCB36	0,75	BLUE/GREY	Vehicle Speed Sensor Power
55	CLS25B	0,75	YELLOW/VIOLET	Right Turning Lamps
56	CLS21B	0,75	BLUE/GREEN	Left Turning Lamps
57	VE702C	0,75	BLUE/WHITE	Accelerator Pedal Position Sensor 2 Ground
58	VE804	0,75	GREEN/BROWN	Accelerator Pedal 2 Sensor Supply



Con. Code	C12-B (Red Band on It)			
Con. Desc.	14401 INLINER (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CES05	0,75	BROWN/BLUE	Cruise Control Off Switch
2	CES04	0,75	VIOLET/ORANGE	Cruise Control Resume
3	VDC73	0,75	GREEN/WHITE	Alternator W
4	CLS44	0,75	VIOLET/BROWN	Engine Stop
5	CCA59	0,75	YELLOW/VIOLET	TCV DRIVE AXLE OUTLET VALVE
8	CE619D	0,75	BLUE/BROWN	
11	ZA324A	0,75	ORANGE/WHITE	
12	ZA221A	0,75	ORANGE/GREY	Rolling Back
15	GD185R	0,75	BLACK/WHITE	TPMS Ground
16	VMF04	0,75	BROWN/BLUE	Private CAN H
17	VMF05	0,75	GREY/BLUE	Private CAN L
18	CBB73C	0,75	WHITE/BROWN	Long Range Radar Power Supply KL15
19	CDC06A	0,75	VIOLET/WHITE	Alternator L
20	CBP05G	1	YELLOW	Intarder Power Supply KL15 VPI
21	RCA18	0,75	BROWN/GREEN	WSS DRIVE LEFT -
22	VCA04	0,75	BLUE/ORANGE	WSS LEFT ADD1 +

TRUCKS

23	RCA20	0,75	BROWN	WSS RIGHT ADD1 -
24	VCA06	0,75	WHITE/ORANGE	WSS DRIVE RIGHT +
25	VCA14A	0,75	WHITE/BROWN	TCV DRIVE AXLE INLET VALVE
26	RCA59	0,75	GREEN/ORANGE	Autodrop Sensor 4 Power Supply
27	CCA60	0,75	VIOLET/BROWN	Autodrop Sensor 4 Supply Ground
29	CDC06	0,75	VIOLET/WHITE	
30	LDC39C	0,75	VIOLET/GREY	Tachograph Power Supply KL30
33	RCA54	0,75	GREY/VIOLET	DRIVE LEFT VALVE GROUND
34	RCA50	0,75	GREY/YELLOW	PCV Left Valve Ground
36	CCA54	0,75	VIOLET/GREEN	DRIVE LEFT INLET VALVE
37	CAT12	1,5	BLUE/GREY	Spare
38	CAT13	1,5	GREEN/ORANGE	Spare
39	ZA201	0,75	ORANGE	Low Pressure Switch
40	VCA49	0,75	VIOLET	VAL PR CON. DRIVE AXLE LEFT IN
46	RAT09	0,75	WHITE/RED	Trailer Lifting Solenoid Output
47	VCF36	0,75	YELLOW/GREEN	CT Transfer Case Relay
48	RAT10	0,75	WHITE/BLUE	Trailer Lifting Solenoid Output
49	RCF10	0,75	VIOLET/GREEN	CT Transfer Case Relay Output
50	RCL18A	0,75	VIOLET/WHITE	ECAS Front Solenoid 2 Output
51	CCF01B	0,75	BROWN	Tag Axle Low Liner Switch
54	SBP62A	0,75	BROWN/RED	TPMS Power Supply KL30
55	CBP61C	0,75	BLUE/GREY	TPMS Power Supply KL15
56	VDB25TB	0,75	GREEN/ORANGE	VCAN 2+
57	VDB26TB	0,75	GREY/BLUE	VCAN 2-
58	VDB25TD	0,75	GREEN/ORANGE	VCAN 2+
59	VDB26TD	0,75	GREY/BLUE	VCAN 2-

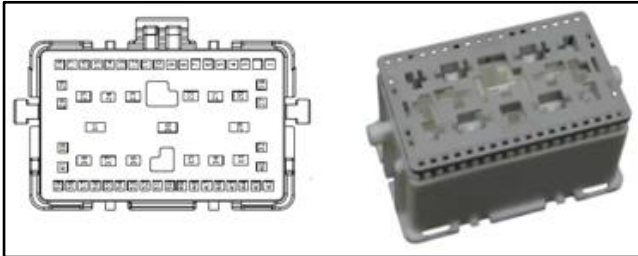


TRUCKS

Con. Code	C12-C (Green Band on It)			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE515	0,75	Yellow/Grey	Fuel Pump - Dry Type Fuel Fired Heater
3	CE501	0,75	Grey	Air Filter Intake Restriction
4	RMC27C	0,75	White/Brown	Ground
7	VE740	0,75	Violet/Grey	Ext. Temperature
9	RCL23A	0,75	Violet/Green	5V Sensor Ground
12	B_VE925A	0,75	Green/White	Dummy Switch Illumination
14	CMC06	0,75	Brown/Blue	3rd Axle Brake Pad Indicator POL+
15	RMC32	0,75	Green/Blue	Fuel Level Signal
20	CAT10	2,5	Red	Damper Input
24	ZA322	4	Orange/White	Cabin Tilting Power
25	CBP24	1	Violet/Green	Heater Power Supply KL15
26	CRH02	0,75	Blue/White	Horn
29	SBB05	2,5	Grey/Red	Auto Transmission Power Supply KL30
30	SBP16	2,5	Violet/Red	Auto Transmission Power Supply KL30
31	CBP06B	1	White/Blue	Auto Transmission Power Supply KL15
32	ZA387	0,75	Orange/Black	Garbage Brake Input
33	CBP46F	1,5	White/Blue	Park Lamp Power Supply KL15
34	CCA26C	1,5	Blue/Green	Stop Lamp
35	CAT09X	1,5	Green	Trailer Right Lamp
36	CAT06X	1,5	Yellow	Trailer Left Lamp
37	CBP50	1,5	Yellow/Orange	Rear Lamp Power Supply KL15
39	SBP13F	0,75	Grey/Red	Intarder Power Supply KL30
43	CBP59R	0,75	Brown/White	Short Range Radar Power Supply KL15
46	ZA203B	0,75	Orange/Blue	Valve Gate Interlock Signal
47	ZA210B	0,75	Orange/Yellow	Water Temperature Sensor Signal
48	ZA211B	0,75	Orange/Blue	Water Temperature Sensor Ground
49	ZA213B	0,75	Orange/Grey	Proportional Valve Signal
50	ZA214B	0,75	Orange/White	Proportional Valve Ground
51	ZA215B	0,75	Orange/Black	Oil Temperature Sensor Signal
52	ZA217B	0,75	Orange	Oil Temperature Sensor Ground
53	ZA218B	0,75	Orange/Yellow	Pressure Sensor P2
54	ZA219B	0,75	Orange/Blue	Pressure Sensor P4
55	ZA220B	0,75	Orange/Green	Pressure Sensor P1
58	CCL10	0,75	White	Low Range Selection

TRUCKS

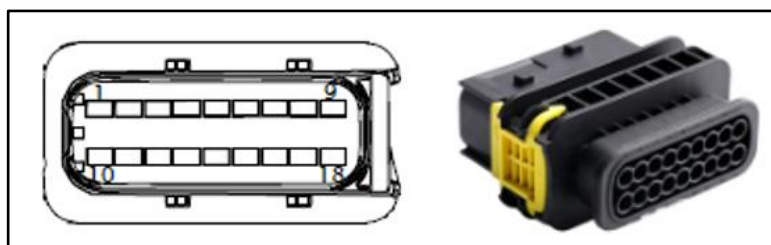
59	LCA27N	0,75	Brown/White	Knob Shifter Manual Transmission
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Con. Code	C12-D (Yellow Band on It)			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC05	0,75	Grey/Violet	BMS CTRL 1
3	ZA320	0,75	Orange/Green	Cluster – Low Pressure Steering
4	CDC05D	0,75	Grey/Violet	ADR1 SWITCH
6	VDB11E	0,75	Brown/Green	VCAN3 H
7	VDB12E	0,75	Brown/Blue	VCAN3 L
8	VDB11C	0,75	Brown/Green	VCAN3 H
9	VDB12C	0,75	Brown/Blue	VCAN3 L
10	A_VE925A	0,75	Green/White	PTO Switch Illumination Function
11	VE518	0,75	Brown/White	Dry Type Fuel Heater Power Supply
12	RMC27D	0,75	White/Brown	Exterior Air Temperature Sensor Ground
14	SDC68B	0,75	Brown/Violet	Battery Master Switch AUX 3
15	ZA116D	0,75	Orange/Yellow	Fog Lamps
16	VDN13	0,75	Brown	BMS LIN1
17	VDB04A	0,75	White/Blue	VCAN1 H
18	VDB05A	0,75	White	VCAN1 L
19	CMC08	0,75	Green/Brown	4rd Axle Brake Pad Indicator POL+
20	CCA50	0,75	Green/Blue	Pressure Control Valve Inlet
21	CCA51	0,75	Blue/Grey	Pressure Control Valve Outlet
22	CCA53	0,75	Grey/Brown	ABS Pressure Valve Outlet
23	CCA52	0,75	Green/Brown	ABS Pressure Valve Inlet
24	RCA56	0,75	Grey/Yellow	ABS Pressure Valve Ground
25	CCA56	0,75	Violet/Grey	Drive Axle Pressure Control Valve Outlet
26	VMC16	0,75	Yellow	2nd Axle Brake Pad Indicator POL+
27	VMC17	0,75	Blue/Orange	1st Axle Brake Pad Indicator POL+
28	RCA21H	0,75	Brown/Green	Solenoid Diff Lock 1 Valve
29	CBP48A	1,5	Grey/Yellow	Left Park Lamps

TRUCKS

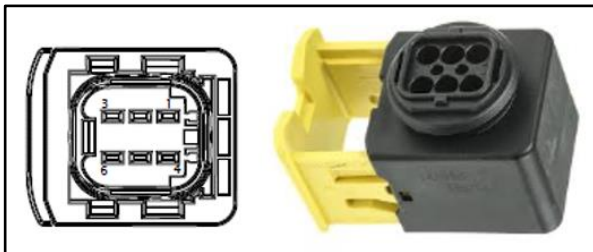
30	CBP26	1,5	Blue/White	Ignition KL15
33	CLS37B	1,5	White/Blue	Rear Fog Lamps
34	ZA206	0,75	White	EBS Power Supply
35	RCA52	0,75	Brown/Blue	ABS Pressure Right Front Valve Ground
36	VCA03	0,75	Violet/White	Wheel Speed Left Front Sensor +
37	RCA17	0,75	Yellow	Wheel Speed Left Front Sensor -
38	CCA57	0,75	Brown/Yellow	Drive Axle Pressure Control Valve Inlet
39	CPL30	0,75	Blue/Brown	Switch Cabin Latch RHS Unlock
41	CE317	0,75	Grey	OBD Lamp LS - Ground
42	CCB08	0,75	Violet/White	Main Brake Switch
43	LCA27B	0,75	Brown/White	Brake Pedal Switch
44	CDC39	0,75	Green/Blue	Hose Heater Relay HS
45	CE354B	0,75	White/Blue	Hose Heater Relay LS
46	CBP02	0,75	Green	RSA Power Unit
47	LE136	0,75	Green/Orange	Accelerator Pedal 1 Sensor Supply
48	RE136	0,75	Violet/Green	Accelerator Pedal Position Sensor 1 Ground
49	VE701	0,75	Yellow/Orange	Accelerator Pedal Position Sensor 1
50	CBP08	0,75	Grey/Yellow	Terminal 15 Signal // Ignition Switch
51	CE901	0,75	Yellow/Blue	Accelerator Pedal Position Sensor 2
53	CCB15	0,75	Brown/Green	Redundant Brake Switch
54	CE612	0,75	Grey/Violet	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. HS
55	CE613	0,75	White/Violet	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. LS
56	VE766B	0,75	Grey/Yellow	WEMA Sensor Power Supply
57	CDC12	0,75	Yellow	Alcohol Interlock KL15
59	CE417	0,75	Grey/Brown	Clutch Switch



Con. Code	C14-C			
Con. Desc.	9L430 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

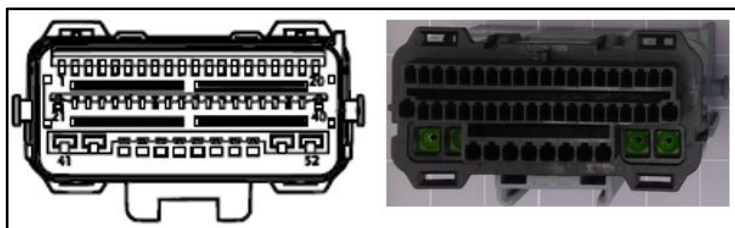
TRUCKS

1	VE719	0,75	Grey/Violet	Ground
2	VE723	0,75	Green/Violet	ECAS Front Solenoid 2
3	VE771	0,75	Brown/Violet	Exhaust Gas Temperature Sensor 3
4	RE771A	0,75	Grey/Orange	Exhaust Gas Temperature Sensor 3 Ground
5	VDB29D	0,75	Brown/Green	VCAN +
6	VDB30D	0,75	Brown/Blue	VCAN -
7	VDB29E	0,75	Brown/Green	VCAN +
8	VDB30E	0,75	Brown/Blue	VCAN -
9	VE356	0,75	Grey/Violet	Power Supply
10	CE352	1	Yellow/Grey	SCR Dosing Valve LS
11	CE506	0,75	Green	SCR Dosing Valve HS
12	A GD163B	0,75	Black/Grey	NOX2-Tailpipe Ground 1
13	RE723A	0,75	White/Blue	Exhaust Gas Temperature Sensor 2 Ground
14	CE353	0,75	Yellow/Orange	DPF Differential Pressure Sensor
15	RE405C	0,75	Green/White	DPF Differential Pressure Sensor Ground
16	CEC01C	0,75	White/Blue	DPF Differential Pressure Sensor Supply
17	VE722	0,75	Brown	Exhaust Gas Temperature Sensor 1
18	A_GD163S	1,5	Black/Grey	NOX2-Tailpipe Ground 2



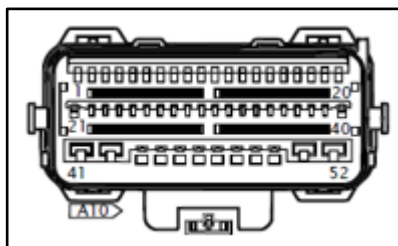
Con. Code	C14-R			
Con. Desc.	14406 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB47	0,75	White/Red	Camera-Rear Parking Aid Power Supply
2	VDN04N	0,75	Violet/White	Rear Parking Aid LIN
3	RMP19D	0,75	Blue/Grey	Rear Parking Aid VID -
4	VMP19D	0,75	White/Green	Rear Parking Aid VID +
5	DMP19C1	0,75	Grey	Rear Parking Aid VID D

TRUCKS



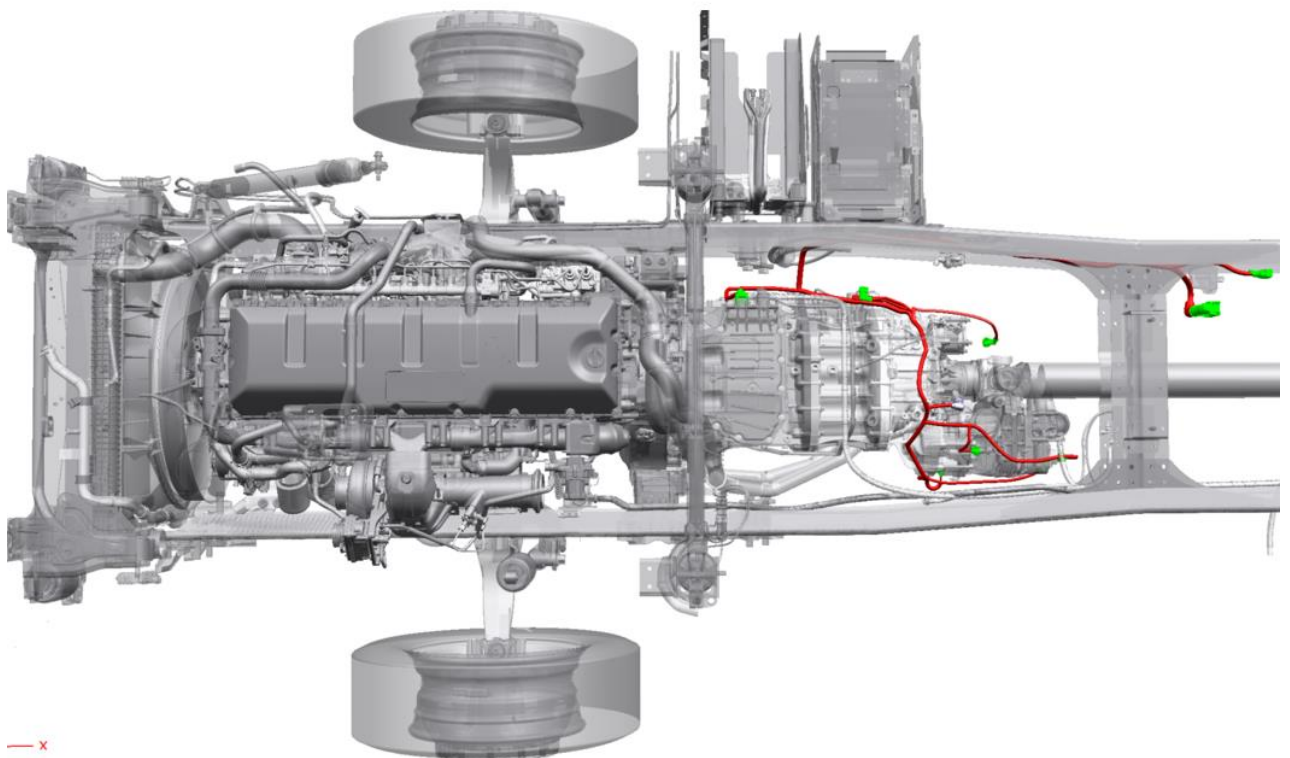
Con. Code	C14-R			
Con. Desc.	14406 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCA37	0,75	YELLOW/ORANGE	cAPU sensor 1 input
2	RCA37	0,75	WHITE/BLUE	cAPU sensor 2 input
4	VDC13L	0,75	GREEN/VIOLET	Sensor Autodrop 2 Signal
5	VDC13M	0,75	GREEN/VIOLET	Sensor Autodrop 3 Signal
6	VDC13N	0,75	GREEN/VIOLET	Sensor Autodrop 4 Signal
7	B_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch_
8	B_VE925	0,75	GREEN/WHITE	PTO Valve Supply
9	B_CET47A	0,75	BLUE	REVERSE GEAR SWITCH KL30
10	ZA327	0,75	ORANGE/BLUE	Rear Axle Difflock 1
11	ZA125	0,75	ORANGE	Rear Axle Difflock 2
12	CCF03	0,75	GREEN/WHITE	SOL INTERLOCK VALVE
13	RCA21E	0,75	BROWN/GREEN	SOL DIFFLOCK 1 VALVE
21	GD411A	1,5	BLACK/GREY	VALVE LIFT AXLE GROUND
25	VDB04F	0,75	WHITE/BLUE	V_CAN1 +
26	VDB05F	0,75	WHITE	V_CAN1 -
27	VDB27B	0,75	GREY/VIOLET	ECM FLASH(+)
28	VDB28B	0,75	WHITE/GREEN	ECM FLASH(-)
30	RCL23	0,75	VIOLET/GREEN	5V SENSOR GND
31	RCL24	0,75	GREY/YELLOW	PTO Valve Supply
32	RMC27	0,75	WHITE/BROWN	UNIT-AIR PRESSURE 4
33	RCL40A	0,75	BLUE/BROWN	UNIT-AIR PRESSURE 7
34	ZA111	0,75	ORANGE/BLUE	SENSOR-PRESSURE REAR AXLE GROUND
36	VCA38	0,75	BROWN/VIOLET	ECAS/Autodrop Height Sensor 1 Power
37	LCL40A	0,75	YELLOW/ORANGE	Power Supply APU / Height Rear Axle Sensor
39	CET36A	0,75	VIOLET/ORANGE	Vehicle Control Unit - Wake Up
40	SBP11A	1,5	BLUE/RED	Battery Power Supply B+(1) / VCU
41	GD411B	1,5	BLACK/GREY	Vehicle Control Unit - GND (4)
42	GD411C	1,5	BLACK/GREY	Vehicle Control Unit - GND
51	SBP11B	1,5	BLUE/RED	Battery Power Supply B+(3) / VCU
52	SBP11C	1,5	BLUE/RED	Battery Power Supply B+ / VCU

TRUCKS

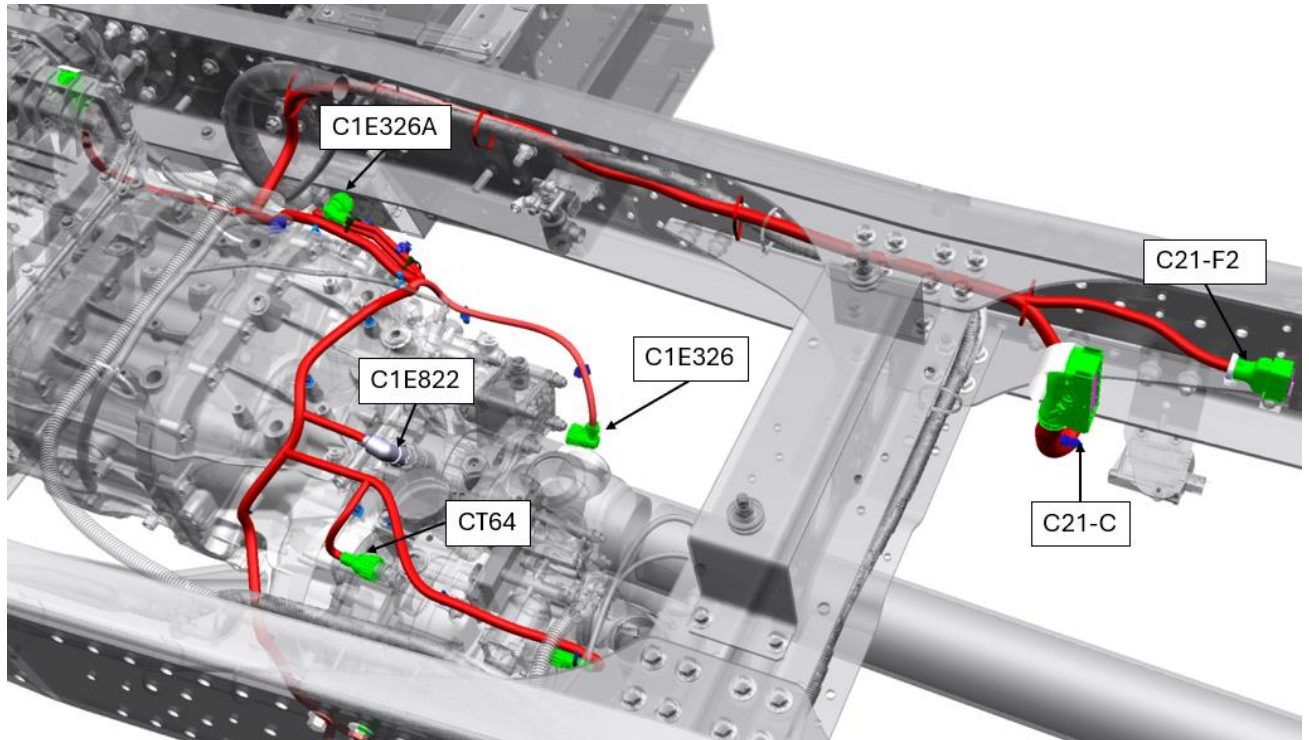


Con. Code	C11-L			
Con. Desc.	14406_AP INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCL19	0,75	GREEN	SENSOR-PRESSURE REAR AXLE RHS Signal
2	LDC19	0,75	VIOLET	SENSOR-PRESSURE REAR AXLE LHS Signal
3	RDC03	0,75	VIOLET/BROWN	VALVE-1 CHANNEL 1
4	CCD03	0,75	WHITE/BLUE	VALVE-1 CHANNEL 2
5	LCL12	0,75	VIOLET/ORANGE	VALVE-2 CHANNEL 1
6	CCD05	0,75	GREEN/BLUE	VALVE-2 CHANNEL 2
7	CCD04	0,75	GREY/YELLOW	VALVE-2 CHANNEL 3
8	A_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch
9	A_VE925	0,75	GREEN/WHITE	PTO Valve Supply
10	CYT13	0,75	BROWN/VIOLET	Aux Power Unit Sw
11	CDC37A	0,75	GREY/VIOLET	NEUTRAL GEAR SWITCH
12	ZA387	0,75	ORANGE/BLACK	GARBAGE BRAKE VALVE
13	RAT09	0,75	GREEN/WHITE	Power Supply
14	VCF36	0,75	YELLOW/GREEN	T.C. Available Relay
16	RCF10	0,75	VIOLET/GREEN	Power Supply
24	RCL18A	0,75	VIOLET/WHITE	TAG AXLE/LOW LINER SW
24	CCS05B	0,75	GREEN/BLUE	TAG AXLE/LOW LINER SW
25	CDC33A	0,75	VIOLET/GREEN	Vehicle Control Unit KL75
26	RDC04	0,75	BLUE/ORANGE	VALVE-1 CHANNEL 3
27	CDC12B	0,75	YELLOW	Alcohol Interlock KL15
33	RAT10	0,75	WHITE/BLUE	Power Supply
37	ZA117B	0,75	ORANGE	VALVE-1 CHANNEL 4
38	ZA112	0,75	ORANGE/GREEN	SENSOR-PRESSURE REAR AXLE POWER SUPPLY
39	CBP23	0,75	BROWN/YELLOW	Vehicle Control Unit KL15
41	GD411D	1,5	BLACK/GREY	Vehicle Control Unit Ground Ground(15)
42	GD411E	1,5	BLACK/GREY	Vehicle Control Unit Ground Ground(30)
43	CLS15	1,5	GREEN/VIOLET	REAR AXLE DIFFLOCK 1
50	CLS16	1,5	WHITE/BROWN	RIGHT SIDE MARKER
51	SBP11D	1,5	BLUE/RED	VEHICLE CONTROL UNIT B+
52	SBP11E	1,5	BLUE/RED	VEHICLE CONTROL UNIT B+ (60)

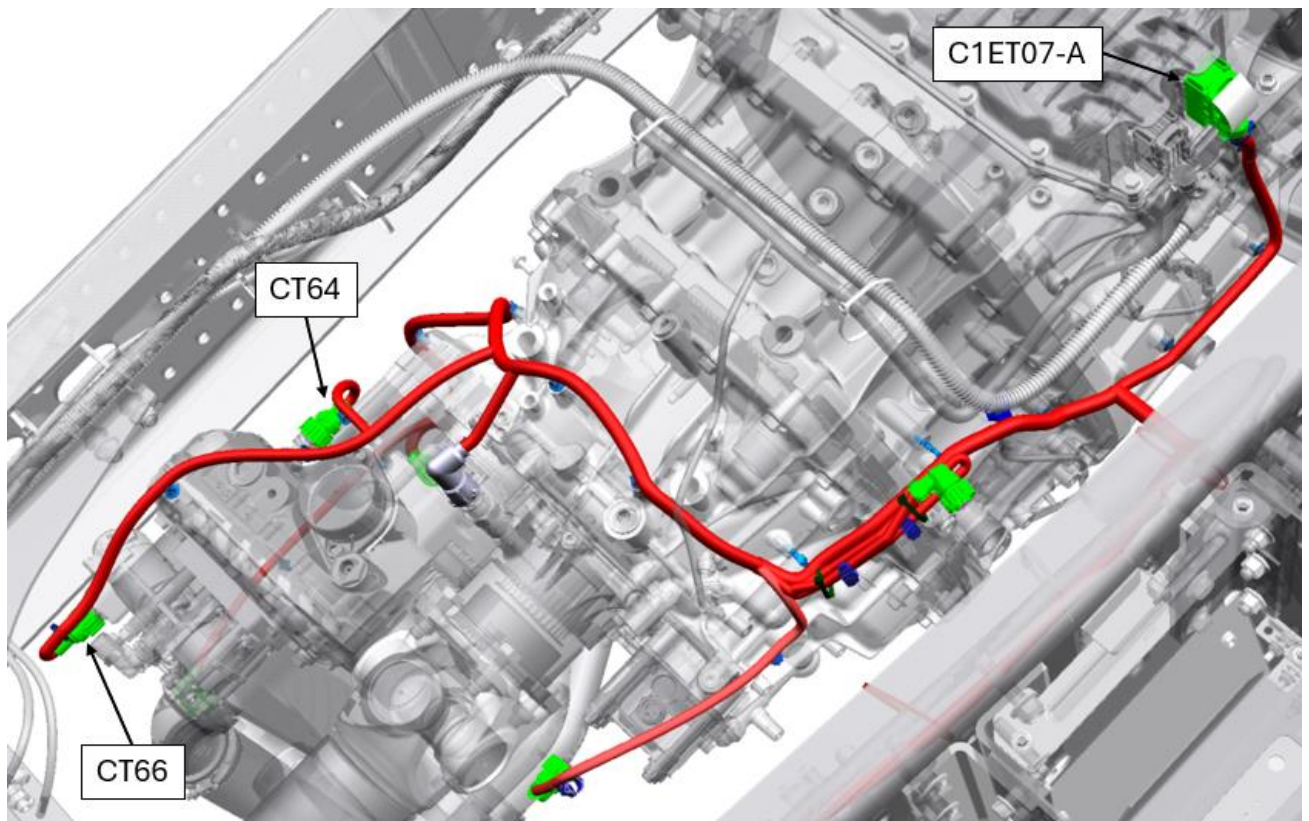
3.3.4. 14K039 → On-transmission wiring



C21-C, C21-F2, C1E326, C1E326A, C1E822, CT64 Connectors:

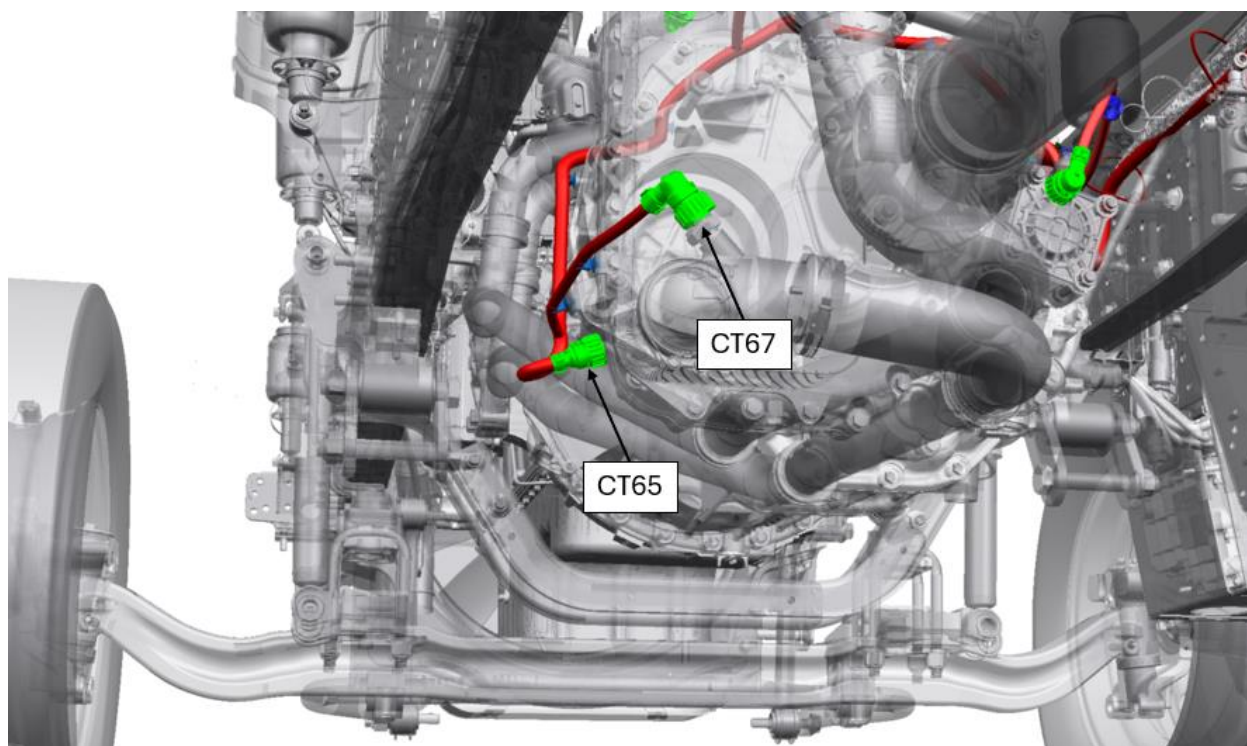


CT64, CT66, C1ET07-A Connectors:

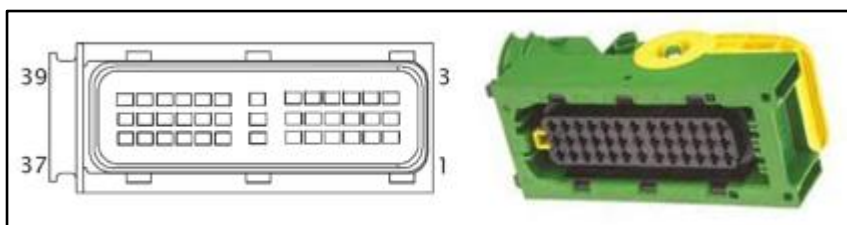


TRUCKS

CT65, CT67 Connectors:



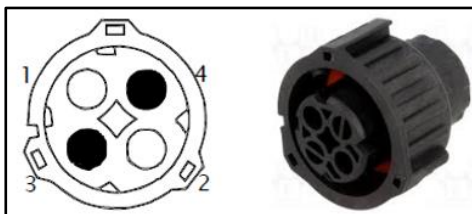
14K039 → On-transmission wiring connector descriptions:



Con. Code	C21-C			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VDB11C	0,75	BROWN/GREEN	VCAN3 H
2	VDB12C	0,75	BROWN/BLUE	VCAN3 L
3	LCA27E	0,75	BROWN/WHITE	Range Interlock Valve HS
4	LCA27A	0,75	BROWN/WHITE	Splitter Switch Signal 1
5	A_RE327	0,75	GREY/VIOLET	PTO Acknowledge Switch
6	CCL10A	0,75	WHITE	Low Range Selection
7	ZA159A	1	ORANGE/BLUE	Automatic Transmission Control
8	ZA160A	1	ORANGE/GREEN	Automatic Transmission Control
9	RCL23A	0,75	VIOLET/GREEN	Reverse Gear Switch Ground

TRUCKS

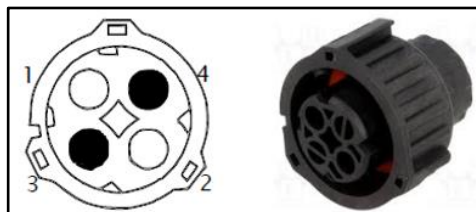
11	ZA162A	1	ORANGE/WHITE	Automatic Transmission Control
12	CBP05G	1	YELLOW	Intarder Power Supply KL15 VPI
13	VDB11A	0,75	BROWN/GREEN	VCAN3 H
14	VDB12A	0,75	BROWN/BLUE	VCAN3 L
15	SBP13E	0,75	GREY/RED	Intarder Power Supply KL15 VPE1
16	ZA163A	1	ORANGE/BLACK	Automatic Transmission Control
17	CET16	0,75	WHITE/BLUE	Range Interlock Valve LS
18	CET17	0,75	GREEN/BLUE	Gate Interlock Valve LS
19	CCB36	0,75	BLUE/GREY	Vehicle Speed Sensor Power
20	RCB36	0,75	YELLOW/BLUE	Vehicle Speed Sensor Ground
21	VCB35	0,75	BROWN/WHITE	Vehicle Speed Sensor Hall
22	VMC39	0,75	BLUE	Vehicle Speed Sensor Tachograph
23	LCA27H	0,75	BROWN/WHITE	Gate Interlock Valve
24	B_CET47A	0,75	BLUE	Switch Reverse Gear Signal 2
25	CDC37A	0,75	GREY/VIOLET	Switch Neutral Gear Signal 2
26	ZA165A	0,75	ORANGE	Automatic Transmission Control
27	ZA179L	0,75	ORANGE/BLACK	Automatic Transmission Control
28	ZA170A	2,5	ORANGE/WHITE	Automatic Transmission Control
30	ZA171A	1	ORANGE/BLACK	Automatic Transmission Control
31	RCL24A	0,75	GREY/YELLOW	Switch Neutral Gear Ground 1
32	RET33	0,75	WHITE/VIOLET	Layshaft Speed Sensor(+)
33	VET33	0,75	WHITE/ORANGE	Layshaft Speed Sensor(-)
34	VE738	0,75	YELLOW/BLUE	Splitter Switch
35	ZA173A	1	ORANGE	Automatic Transmission Control
36	ZA179E	1	ORANGE/BLACK	Automatic Transmission Control
37	B_GD184C	0,75	BLACK/GREY	Valve Gate Interlock Ground
38	B_GD184B	2,5	BLACK/GREY	Intarder VM2 Ground
39	B_GD184A	2,5	BLACK/GREY	Intarder VM1 Ground



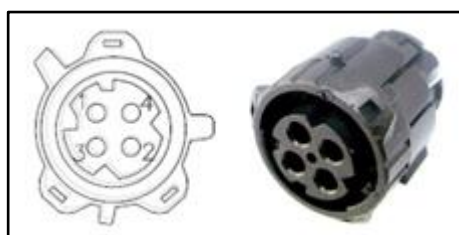
Con. Code	C1E326			
Con. Desc.	SWITCH PTO ACKNOWLEDGE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

TRUCKS

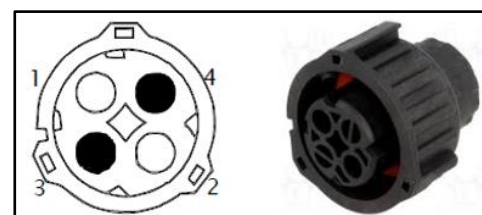
1	RCL24	0,75	Grey/Yellow	Switch Neutral Gear Ground
2	A_RE327	0,75	Grey/Violet	PTO Acknowledge Switch



Con. Code	C1E326A			
Con. Desc.	SWITCH PTO ACKNOWLEDGE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCL23	0,75	Violet/Green	5V Sensor Ground
2	B_RE327	0,75	Grey/Violet	PTO Acknowledge Switch



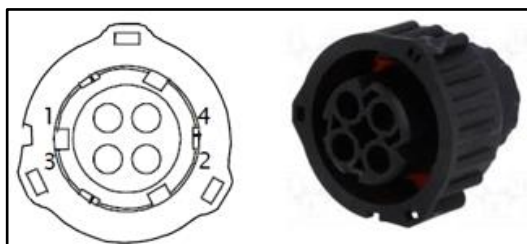
Con. Code	C1E822			
Con. Desc.	Sensor Vehicle Speed			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCB36	0,75	Blue/Grey	Sensor Power
2	RCB36	0,75	Yellow/Blue	Sensor Ground
3	VCB35	0,75	Brown/White	Hall Signal
4	VMC39	0,75	Blue	Tachograph Signal



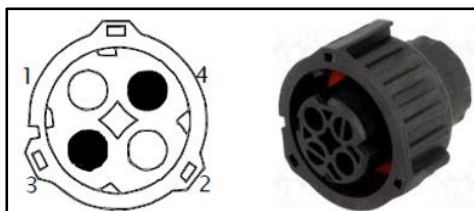
Con. Code	CT66
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Con. Desc.	Proportional Valve			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA213A	0,75	Orange/Grey	Retarder P3
2	ZA214A	0,75	Orange/White	Retarder P4

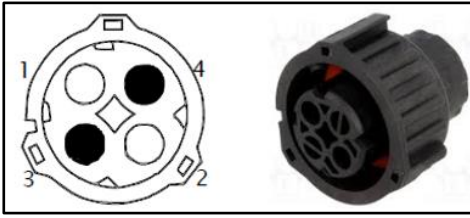


Con. Code	CT64			
Con. Desc.	Pressure Sensor			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA220A	0,75	Orange/Green	Retarder P9
2	ZA218A	0,75	Orange/Yellow	Retarder P7
4	ZA219A	0,75	Orange/Blue	Retarder P8



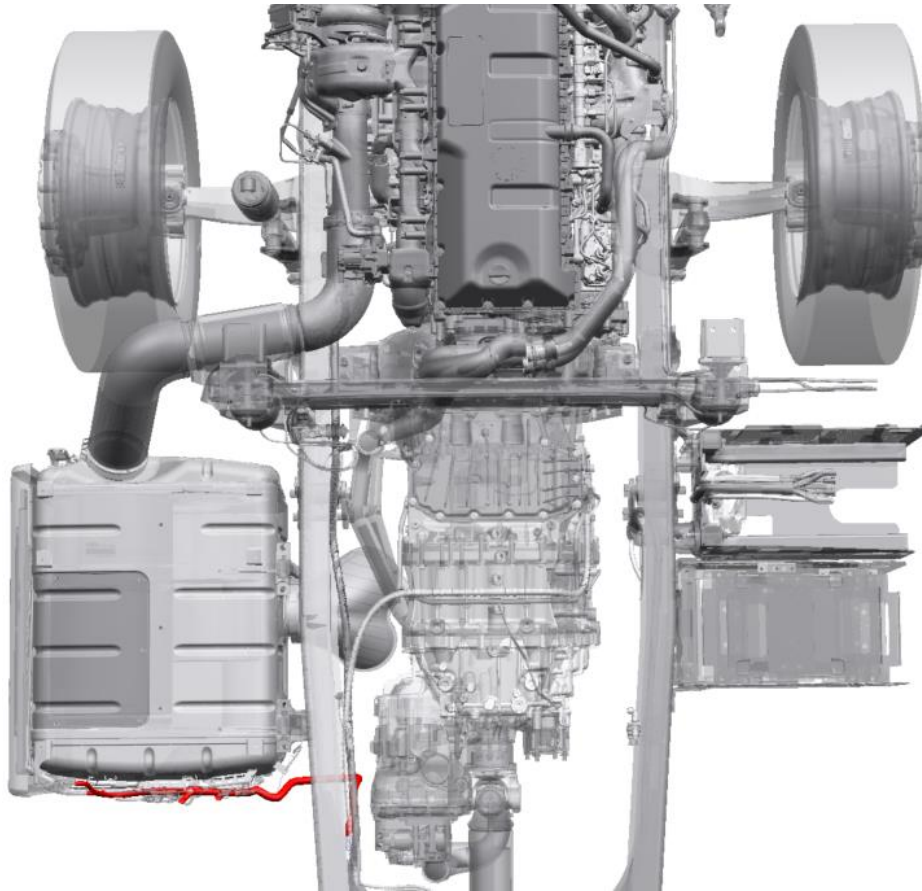
Con. Code	CT67			
Con. Desc.	Water Temperature Sensor			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA210A	0,75	Orange/Yellow	Retarder P1
2	ZA211A	0,75	Orange/Blue	Retarder P2

TRUCKS

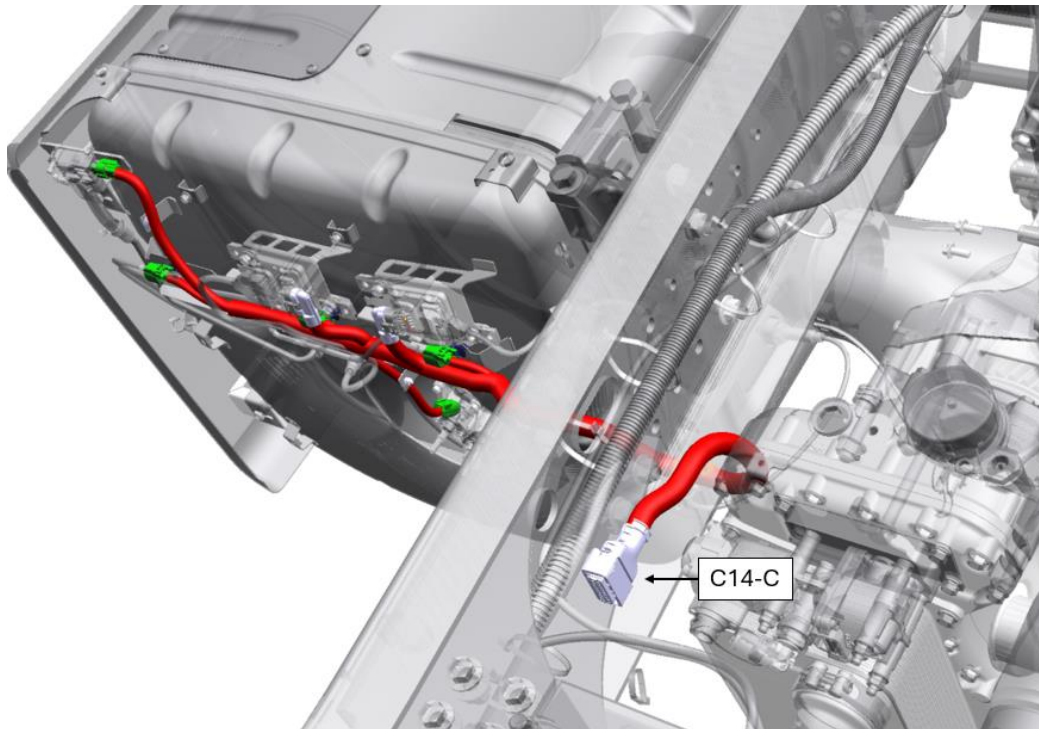


Con. Code	CT65			
Con. Desc.	Oil Temperature Sensor			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA215A	0,75	Orange/Yellow	Retarder P5
2	ZA217A	0,75	Orange/Blue	Retarder P6

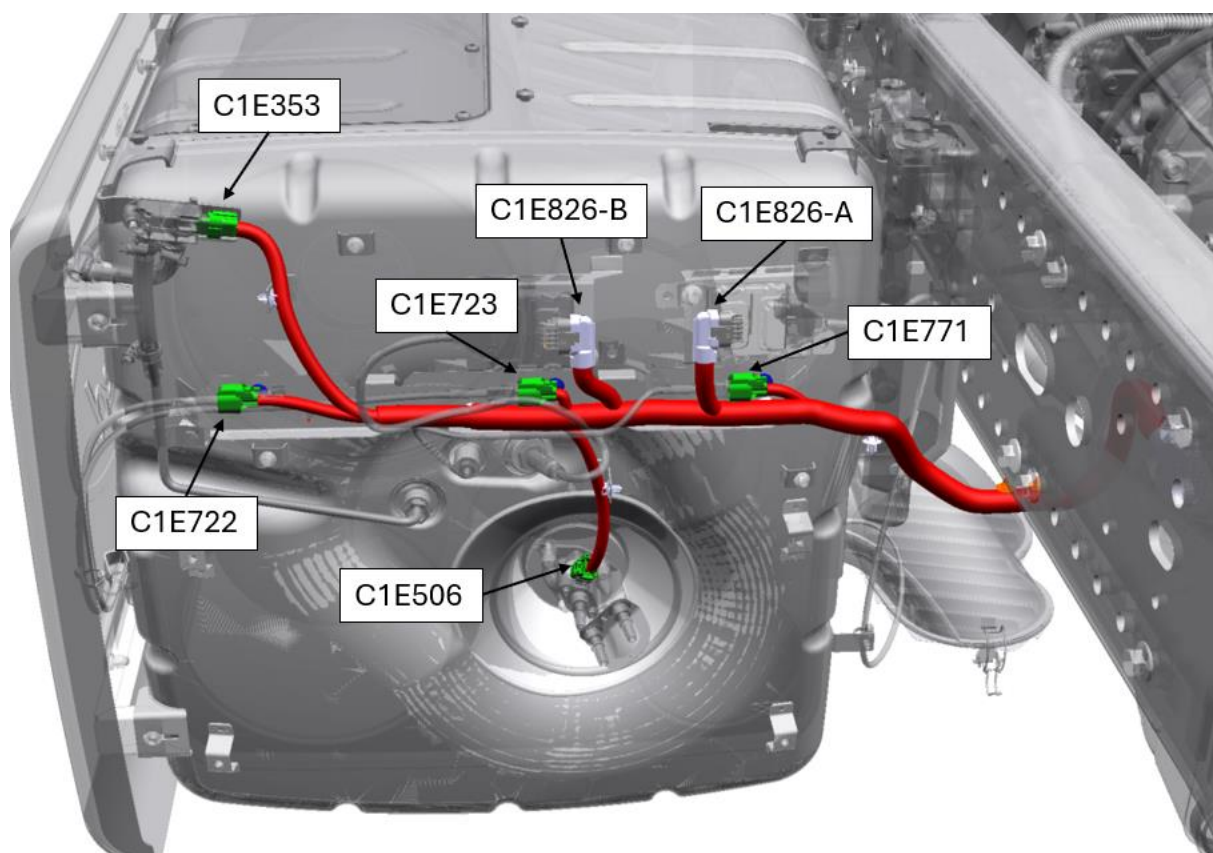
3.3.5. 9L430 → Exhaust-SCR Wiring



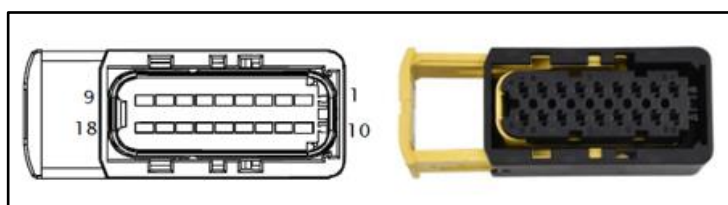
C14-C Connector:



C1E722, C1E353, C1E723, C1E506, C1E826-B, C1E826-A, C1E771 Connectors:



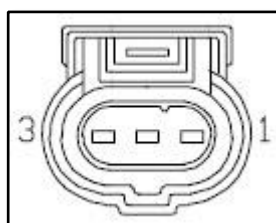
9L430→ Exhaust-SCR wiring connector descriptions:



Con. Code	C14-C			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE719	0,75	Grey/Violet	Ground
2	VE723	0,75	Green/Violet	ECAS Front Solenoid 2
3	VE771	0,75	Brown/Violet	Exhaust Gas Temperature Sensor 3
4	RE771A	0,75	Grey/Orange	Exhaust Gas Temperature Sensor 3 Ground
5	VDB29K	0,75	Brown/Green	VCAN +
6	VDB30K	0,75	Brown/Blue	VCAN -
7	VDB29U	0,75	Brown/Green	VCAN +

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8	VDB30U	0,75	Brown/Blue	VCAN -
9	VE356	0,75	Grey/Violet	Power Supply
10	CE352	1	Yellow/Grey	SCR Dosing Valve LS
11	CE506	0,75	Green	SCR Dosing Valve HS
12	A GD163B	0,75	Black/Grey	NOX2-Tailpipe Ground 1
13	RE723	0,75	White/Blue	Exhaust Gas Temperature Sensor 2 Ground
14	CE353	0,75	Yellow/Orange	DPF Differential Pressure Sensor
15	RE405C	0,75	Green/White	DPF Differential Pressure Sensor Ground
16	CEC01C	0,75	White/Blue	DPF Differential Pressure Sensor Supply
17	VE722	0,75	Brown	Exhaust Gas Temperature Sensor 1
18	A_GD163S	1,5	Black/Grey	NOX2-Tailpipe Ground 2



Con. Code	C1E353			
Con. Desc.	DIFFERENTIAL PRESSURE SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE353	0,75	Yellow/Orange	Signal
2	RE405C	0,75	Green/White	Ground
3	CEC01C	0,75	White/Blue	Power



Con. Code	C1E506			
Con. Desc.	UREA DOSING MODULE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE506	0,75	Green	SCR Dosing Valve HS
2	CE352	1	Yellow/Grey	SCR Dosing Valve LS

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Con. Code	C1E722			
Con. Desc.	EGT-1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE722	0,75	Brown	Signal
2	VE719	0,75	Grey/Violet	Ground

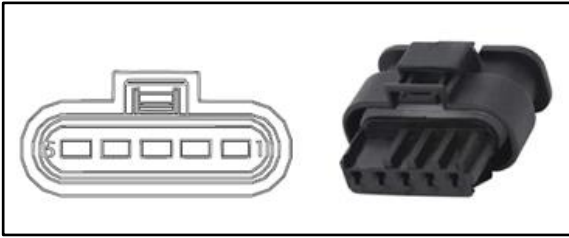


Con. Code	C1E723			
Con. Desc.	EGT-2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE723	0,75	Green/Violet	Signal
2	RE723	0,75	White/Blue	Ground

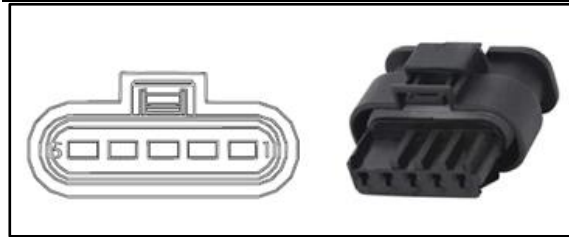


Con. Code	C1E771			
Con. Desc.	EGT-3			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE771	0,75	Brown/Violet	Signal
2	RE771A	0,75	Grey/Orange	Ground

TRUCKS

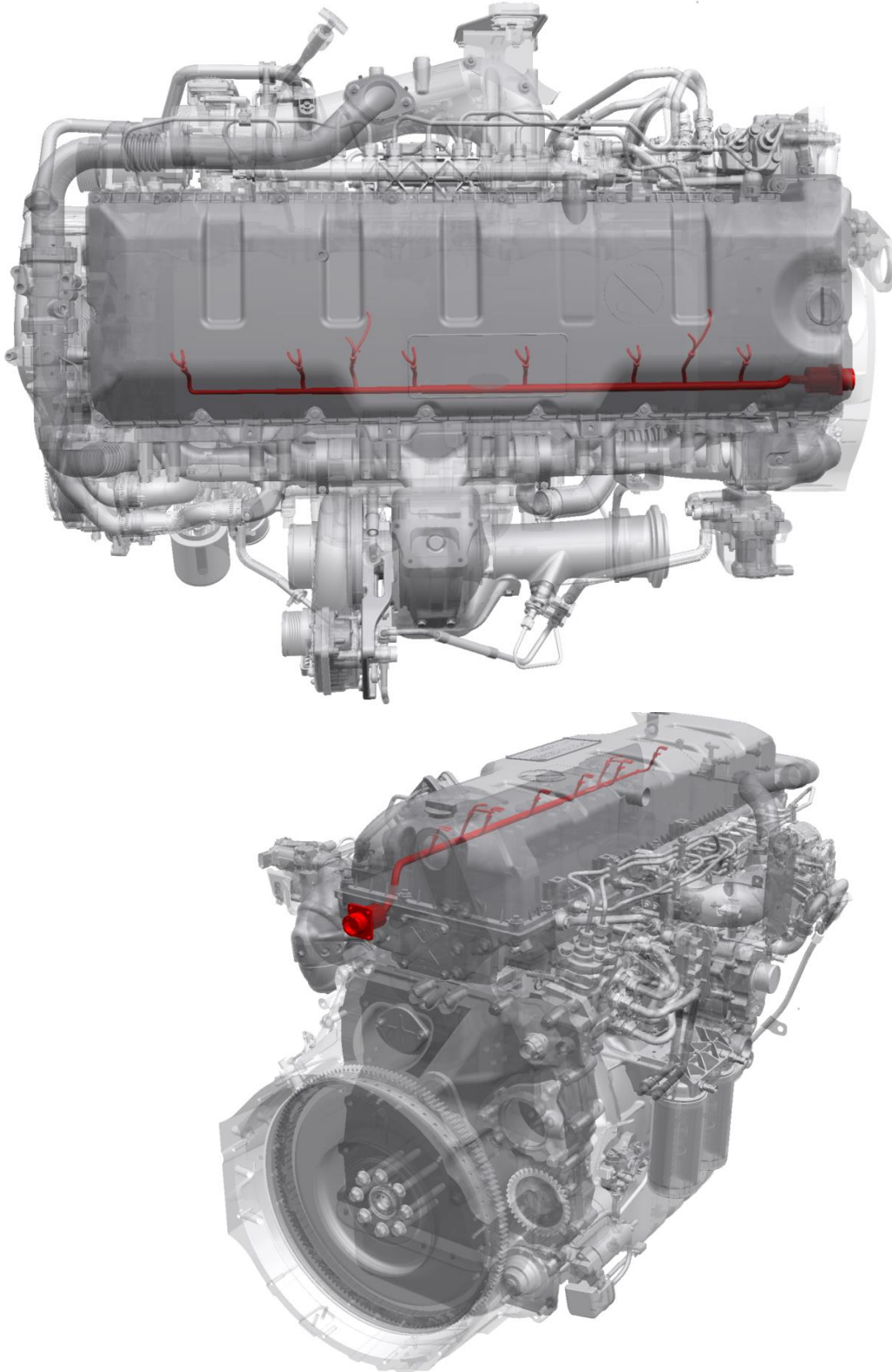


Con. Code	C1E826-B			
Con. Desc.	NOX-1 SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE356B	0,75	Yellow/Orange	Power
2	A_GD163K	0,75	Black/Green	Ground
3	VDB30M	0,75	White/Green	V CAN -
4	VDB29M	0,75	Green/Blue	V CAN +



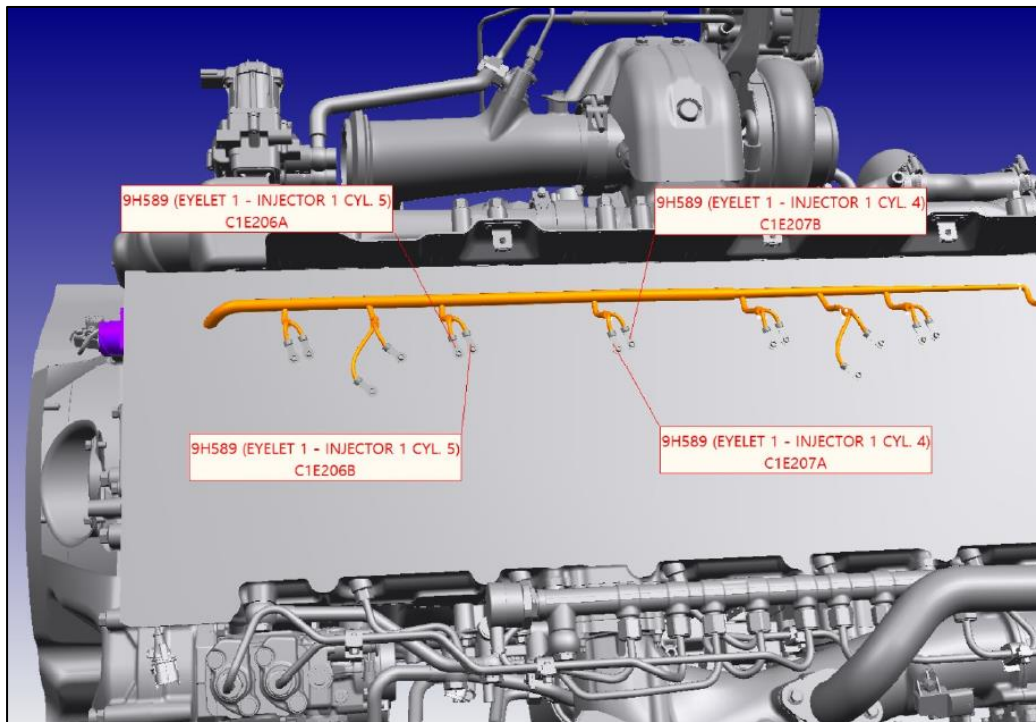
Con. Code	C1E826-A			
Con. Desc.	NOX-2 SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VE356A	0,75	Yellow/Orange	Power
2	A_GD163B	0,75	Black/Green	Ground 1
3	VDB30T	0,75	White/Green	V CAN -
4	VDB29T	0,75	Green/Blue	V CAN +
5	A_GD1630	0,75	Black/Green	Ground 2

3.3.6. 9H589 → Injector wiring inside the engine

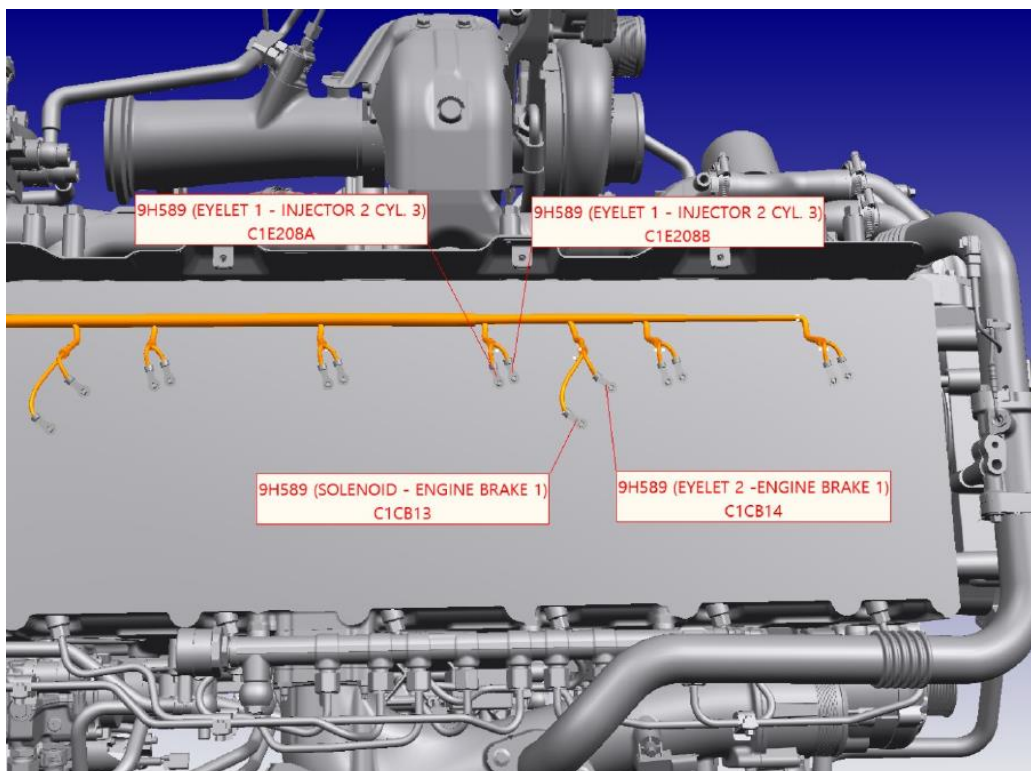


TRUCKS

C1E206A, C1E206B, C1E207A, C1E207B Connectors:

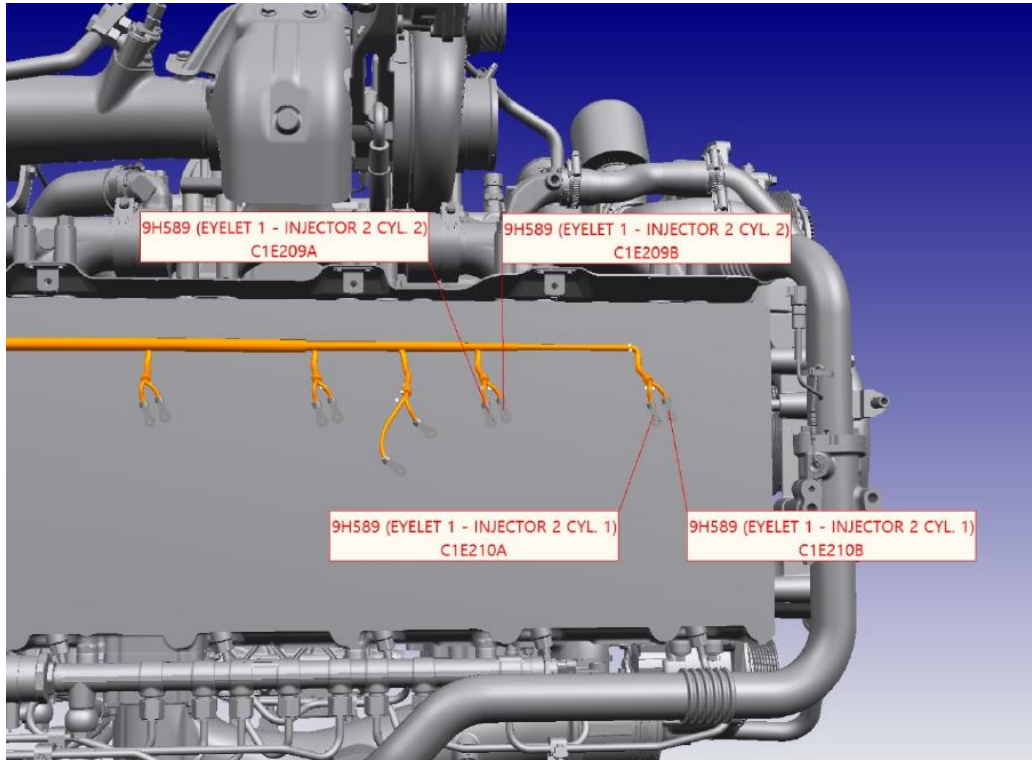


C1E208A, C1E208B, C1CB13, C1CB14 Connectors:

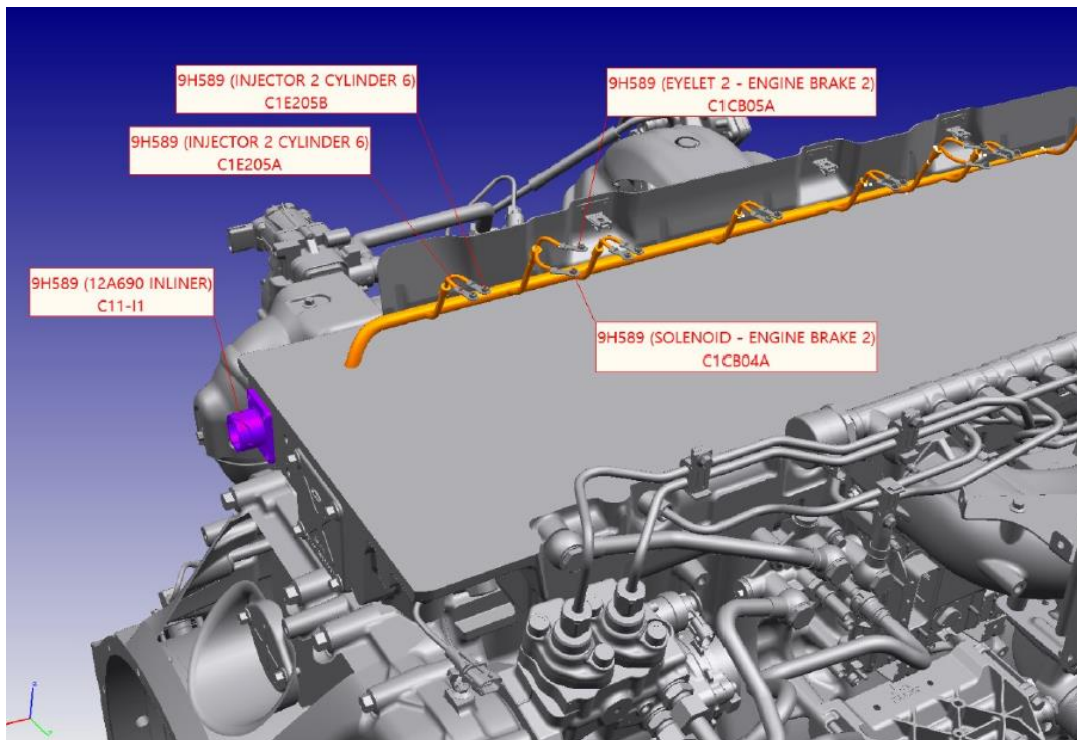


TRUCKS

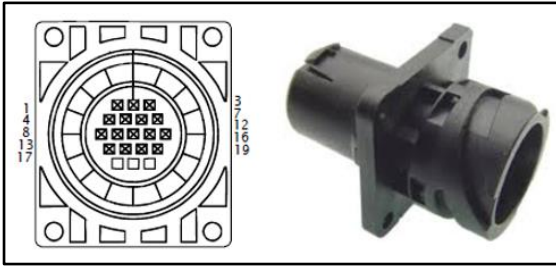
C1E209A, C1E209B, C1E210A, C1E210B Connectors:



C11-H1, C1E205A, C1E205B, C1CB04A, C1CB05A Connectors:

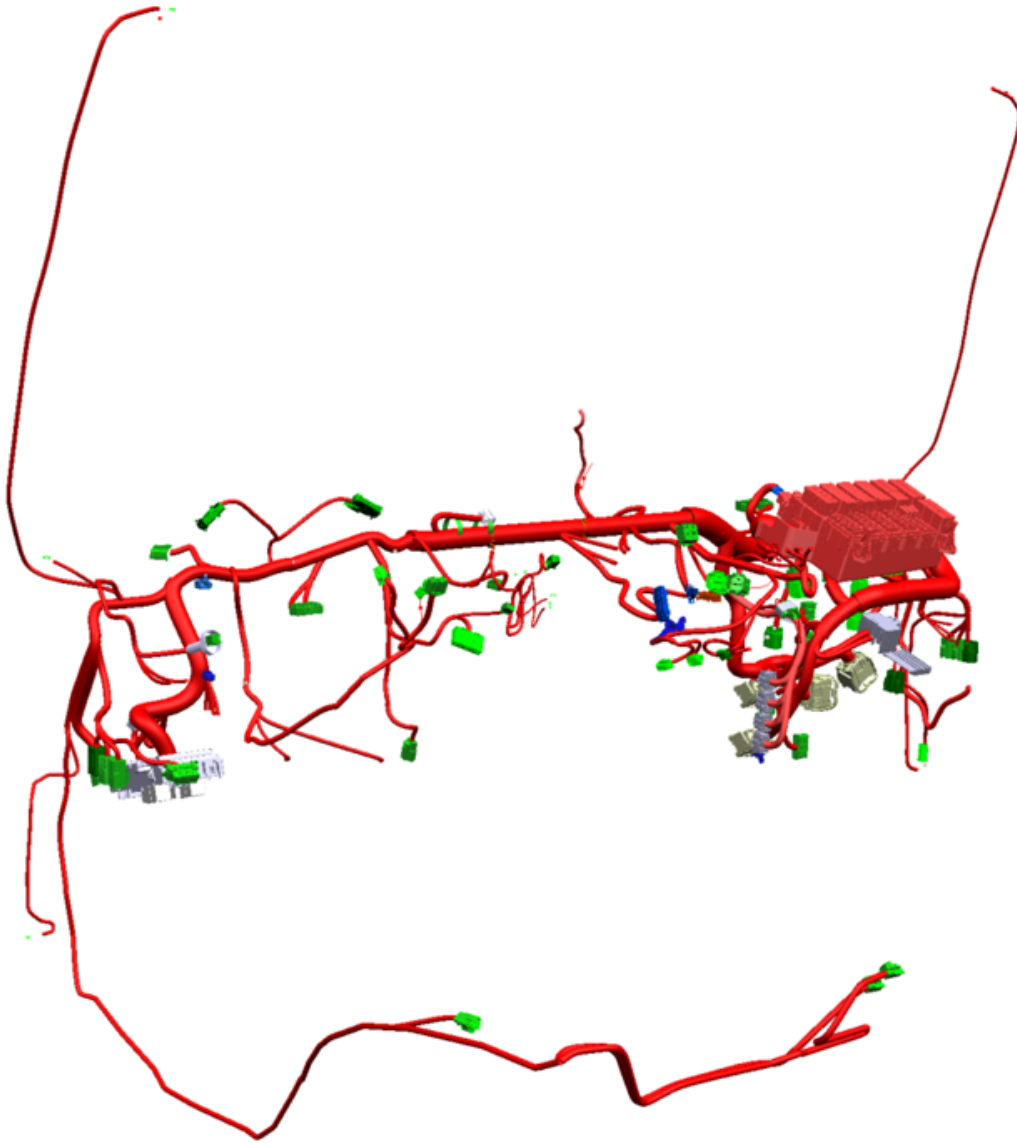


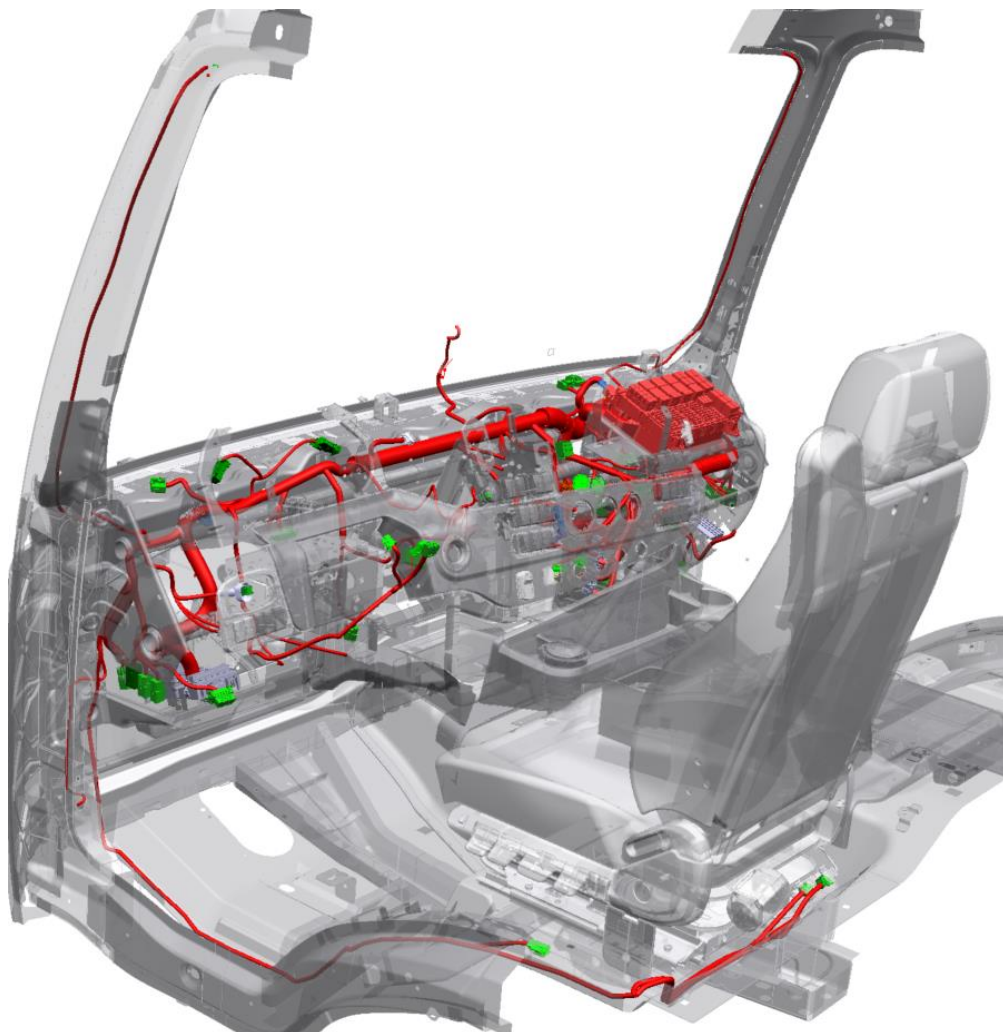
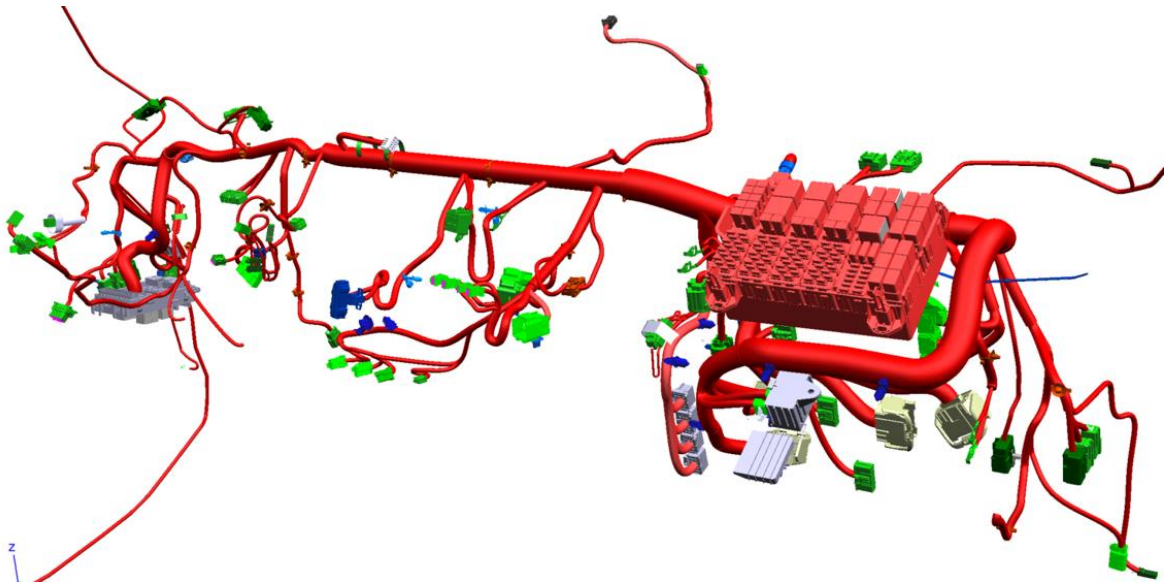
TRUCKS



Con. Code	C11-E			
Con. Desc.	CYLINDER HEAD CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE205	1,5	Green/Blue	Injector 1 "high" Bank 2
2	RE205	1,5	Yellow/Blue	Injector 1 "low" Bank 2
3	CE206	1,5	Grey/Yellow	Injector 2 "high" Bank 2
4	CE208	1,5	Yellow/Orange	Injector 1 "high" Bank 1
5	CE207	1,5	Violet/Grey	Injector 3 "high" Bank 2
6	RE207	1,5	Green/Violet	Injector 3 "low" Bank 2
7	RE206	1,5	Blue/Orange	Injector 2 "low" Bank 2
8	RE208	1,5	Blue	Injector 1 "low" Bank 1
9	CE209	1,5	Brown	Injector 3 "high" Bank 1
10	RE209	1,5	White/Green	Injector 3 "low" Bank 1
11	CE210	1,5	Green/White	Injector 2 "high" Bank 1
12	RE210	1,5	Brown/Violet	Injector 2 "low" Bank 1
13	CCB04	1	White	Jake Brake 2 HS
14	CCB05	1	Grey/Blue	Jake Brake 2 LS
15	CCB14	0,75	Violet	Jake Brake 1 HS/Exhaust-Flap
16	CCB13	0,75	Grey/Blue	Jake Brake 1 LS/Exhaust-Flap

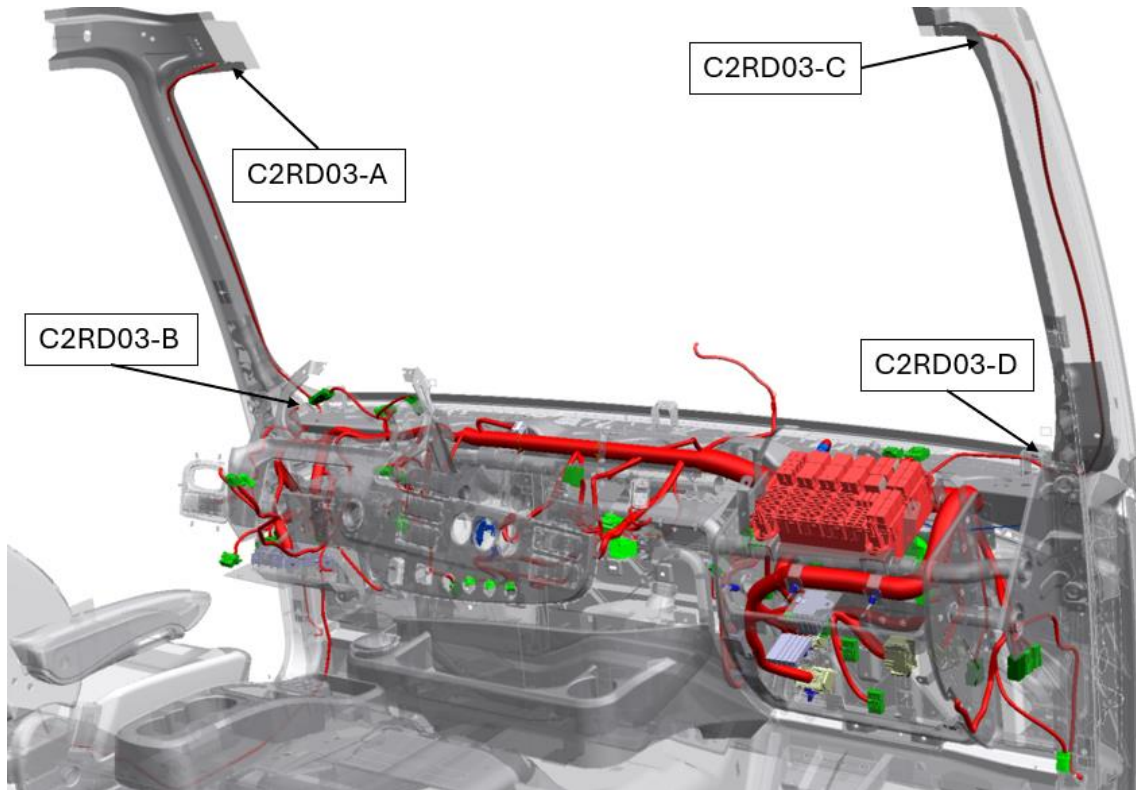
3.3.7. 14401 → Cab Wiring



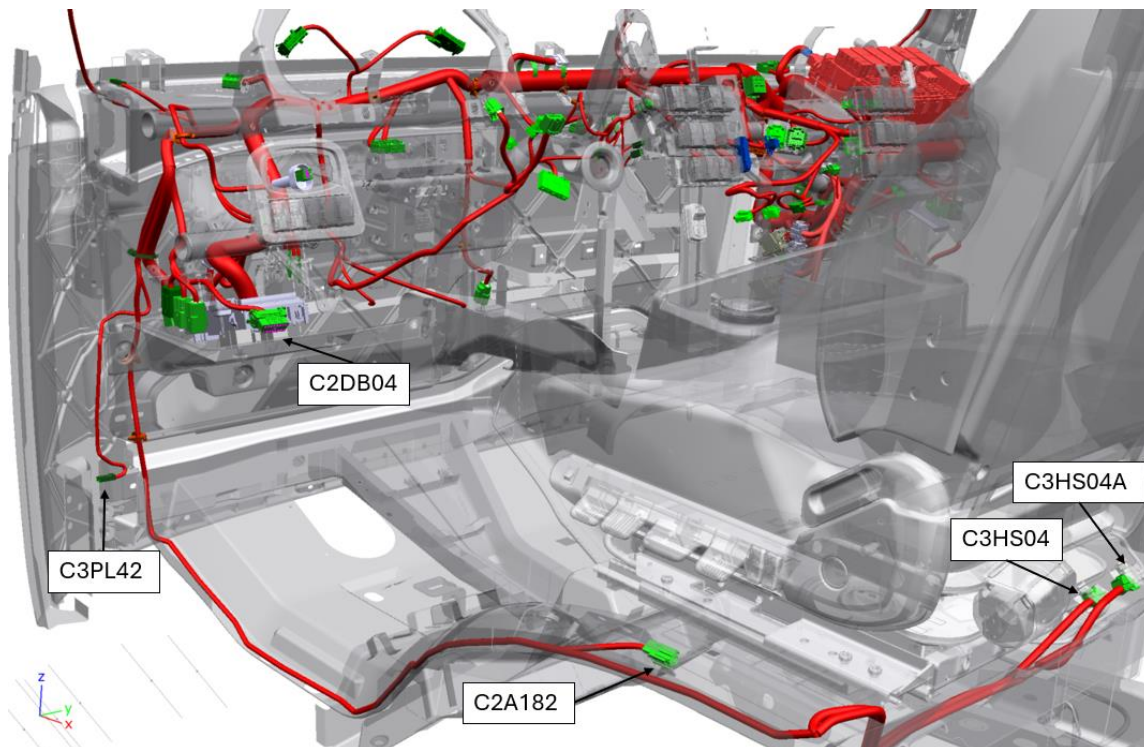


TRUCKS

C2RD03-A, C2RD03-B, C2RD03-C, C2RD03-D Connectors:

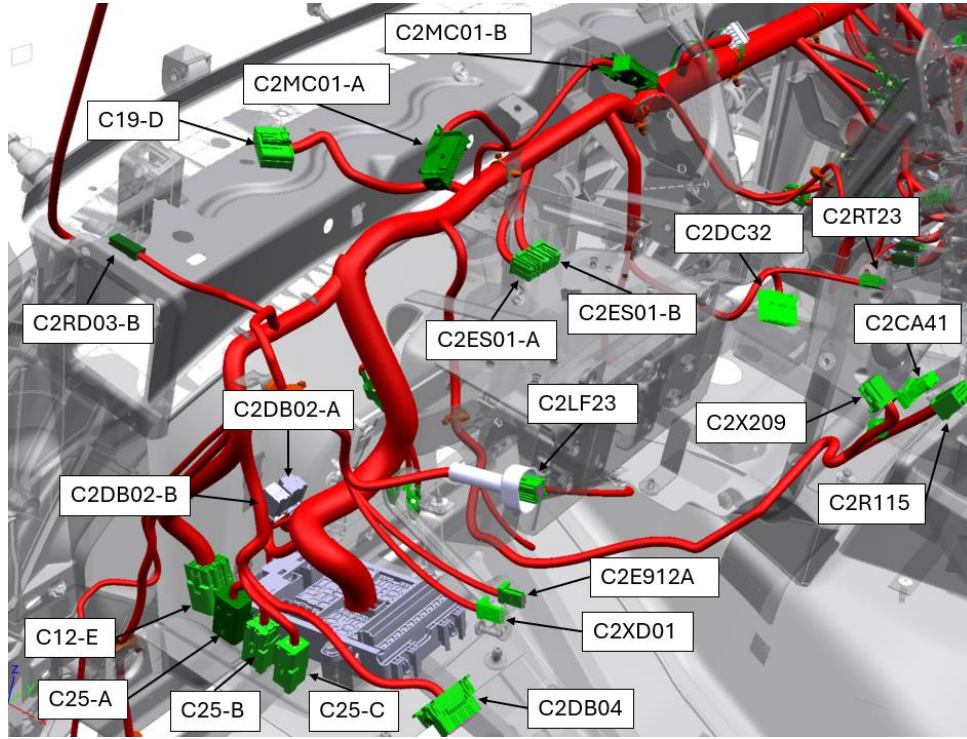


C3PL42, C2DB04, C2A182, C3HS04, C3HS04A Connectors:

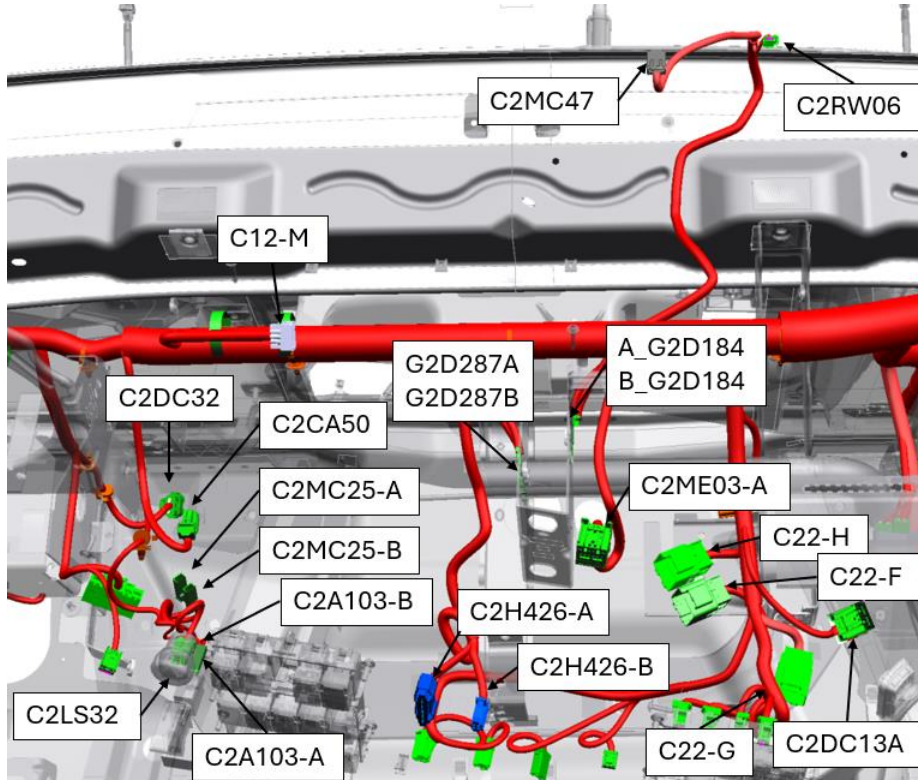


TRUCKS

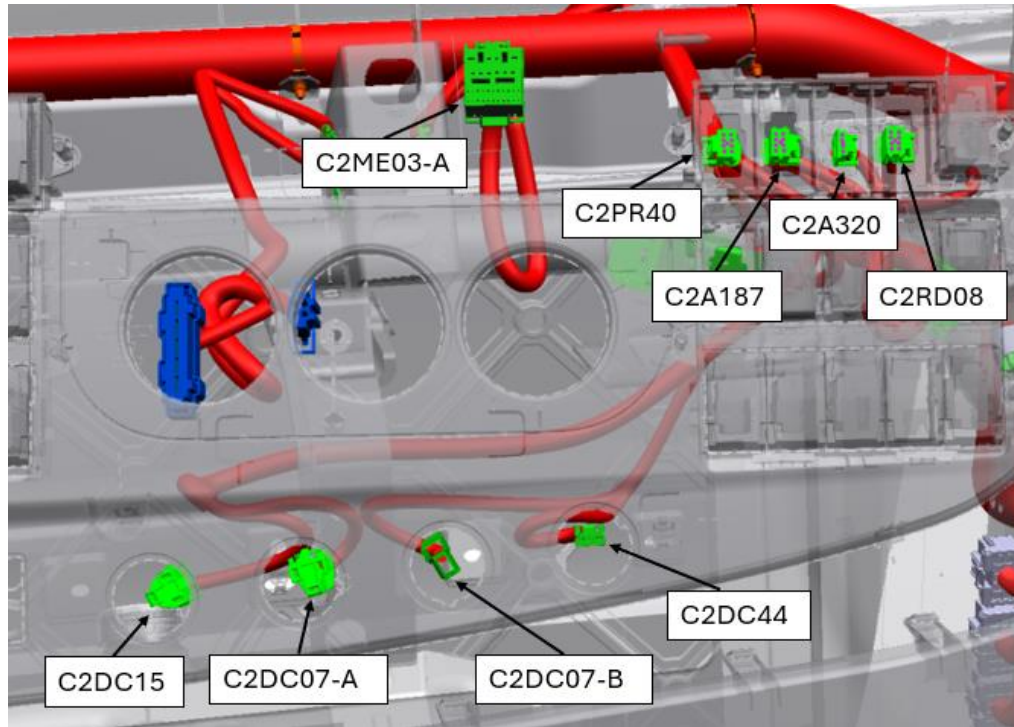
C2RD03-B, C19-D, C2MC01-A, C2MC01-B, C2DB02-A, C2LF23, C2DB02-B, C12-E, C25-A, C25-B, C25-C, C2DB04, C2XD01, C2E912A, C2ES01-A, C2ES01-B, C2DC32, C2RT23, C2R115, C2CA41, C2X209 Connectors:



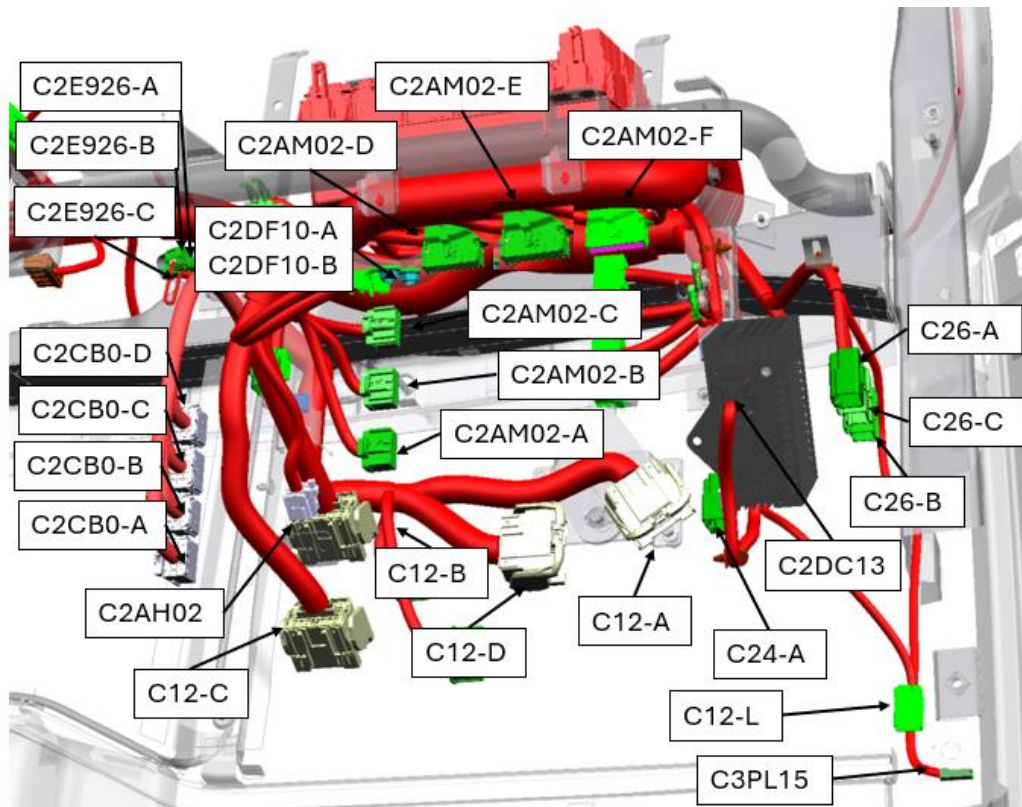
C12-M, C2DC32, C2CA50, C2LS32, C2A103-A, C2MC25-A, C2MC25-B, C2A103-B, G2D287A, G2D287B, C2H426-A, C2H426-B, A_G2D184, B_G2D184, C2MC47, C2RW06, C2ME03-A, C22-H, C22-F, C22-G, C2DC13A Connectors:



C2DC15, C2DC07-A, C2DC07-B, C2DC44, C2PR40, C2A187, C2A320, C2RD08, C2ME03-A Connectors:

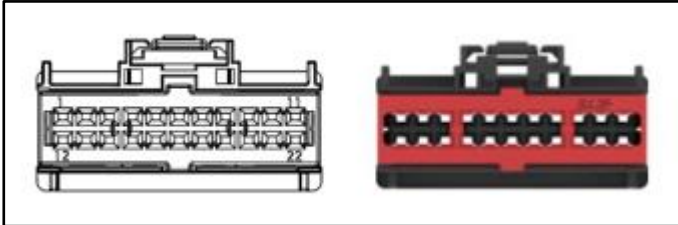


C2E926-A, C2E926-B, C2E926-C, C2CB0-D, C2CB0-C, C2CB0-B, C2CB0-A, C2DF10-A, C2DF10-B, C2AM02-D, C2AM02-E, C2AM02-F, C2AM02-C, C2AM02-B, C2AM02-A, C12-C, C12-B, C12-D, C12-A, C26-A, C26-C, C26-B, C2DC13, C24-A, C12-L, C3PL15, C2AH02 Connectors:



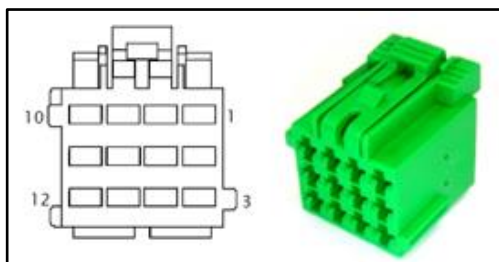
TRUCKS

14401 → Cab Wiring Connector Descriptions

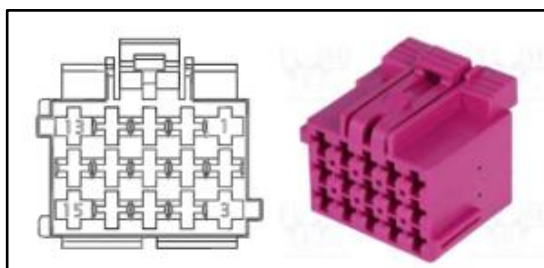


Con. Code	C2AH02			
Con. Desc.	FARID AFTERMARKET CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA336	0,75	Orange/Green	ECAS Signal
2	ZA337	0,75	Orange/Grey	Park Brake
3	ZA338	0,75	Orange/White	Neutral Gear
4	ZA339	0,75	Orange/Yellow	Vehicle Speed Limit
5	ZA340	0,75	Orange	Hazard Lights
6	ZA342	0,75	Orange/Yellow	Brake Valve
7	ZA341	0,75	Orange/Violet	Output Shaft Speed
8	ZA343	0,75	Orange/Blue	Engine Running
9	ZA344	0,75	Orange/Green	Input
10	ZA346	0,75	Orange/Grey	Engine Start
11	ZA345	0,75	Orange/Grey	Roof Beacon Input
12	ZA347	0,75	Orange/Black	PTO Engagement
13	ZA348	0,75	Orange/Yellow	PTO Engagement Ommoving
14	ZA349	0,75	Orange	PTO Speed 1
15	ZA350	0,75	Orange/Yellow	PTO Speed 2
16	CCA26B	0,75	Blue/Grey	Brake Light
17	ZA351	0,75	Orange/Blue	Speed Warning-S2
18	ZA358	0,75	Orange/Yellow	PTO Enable
19	ZA221	0,75	Orange/Grey	Rolling Back
20	ZA352	0,75	Orange/Green	Speed Warning-S1
21	ZA356	0,75	Orange/Blue	Engine Stop Relay
22	ZA357	0,75	Orange	Reverse Gear

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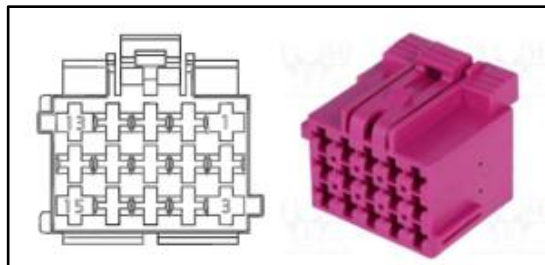
Con. Code	C2AH01			
Con. Desc.	FLEET MANAGEMENT CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_GD116GB	1	Black/Violet	Ground
2	ZA384	0,5	Orange/Green	Vehicle Guardian
6	VMR33FA	0,5	Yellow/Grey	I CAN (+)
9	VMR34FA	0,5	White/Brown	I CAN (-)
10	CBP80FC	1	Yellow/Green	Ignition KL15
12	SBP81CC	0,75	Red	Power - KL30



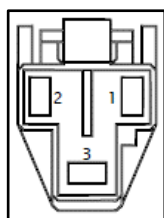
Con. Code	C2DC13A			
Con. Desc.	TO VOLTAGE CONVERTER_2 CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_CDC77M	2,5	Grey/Yellow	12V Power Supply KL15 - Output
3	B_GD186AG	2,5	Black/Blue	Output Ground
6	CBP25B	0,75	White/Orange	24V Power Supply KL15 - Input
7	B_CDC77A	2.5	Grey/Yellow	Output 12V
8	B_CDC77K	2.5	Grey/Yellow	Output 12V
9	B_GD186AH	2.5	Black/Blue	Output Ground
10	B_CDC77L	2.5	Grey/Yellow	Output 12V
11	B_CDC77M	2.5	Grey/Yellow	Output 12V
12	B_GD186AK	2.5	Black/Blue	Output Ground

TRUCKS

14	B_GD186AL	2.5	Black/Blue	Supply Ground
15	SBP18	2.5	Yellow/Red	24V Power Supply KL30 - Input

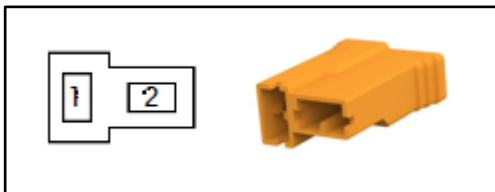


Con. Code	C2DC13			
Con. Desc.	TO VOLTAGE CONVERTER CONNECTOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_CDC77B	2,5	Grey/Yellow	12V Power Supply KL15 - Output
3	B_GD186G	2,5	Black/Blue	Output Ground
6	CBP25A	0,75	White/Orange	24V Power Supply KL15 - Input
7	A_CDC77C	2.5	Grey/Yellow	Output 12V
8	A_CDC77A	2.5	Grey/Yellow	Output 12V
9	B_GD186H	2.5	Black/Blue	Output Ground
11	A_CDC77D	2.5	Grey/Yellow	Output 12V
12	B_GD186K	2.5	Black/Blue	Output Ground
14	B_GD186L	2.5	Black/Blue	Supply Ground
15	SBP15	2.5	White/Red	24V Power Supply KL30 - Input

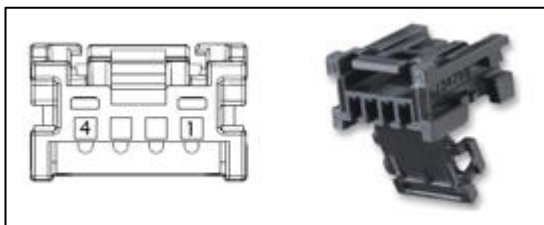


Con. Code	C2DC07-A			
Con. Desc.	24V POWER POINT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC64B	2,5	White/Blue	R14/04 RUN/ACCESSORY RELAY
3	B_GD184M	2,5	Black/Grey	GROUND

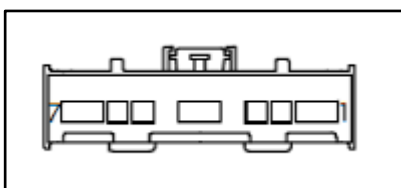
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Con. Code	C2DC07-B			
Con. Desc.	12V POWER POINT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD286B	2,5	Black/Blue	GROUND
2	CLN09	2,5	Yellow/Green	R21/04 BATTERY SAVER (LATCHING)

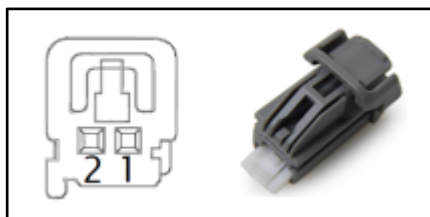


Con. Code	C2DC44			
Con. Desc.	12V USB CHARGER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB78	2,5	Brown/Red	GROUND
4	A_GD286A	2,5	Black/Blue	Power Supply

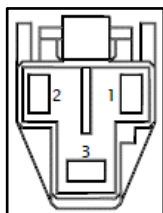


Con. Code	C2DC32			
Con. Desc.	SWITCH IGNITION			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC32	1	Brown/Yellow	Ignition ON Switch
4	SBP70	1	Brown/Red	Power Supply
6	CDC33	1	Violet/Green	Ignition Accessory Switch
7	CDC12	0,75	Yellow	Ignition Switch Alcohol Interlock

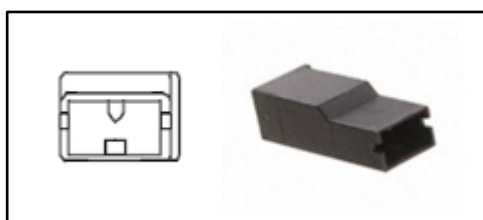
TRUCKS



Con. Code	C2CA50			
Con. Desc.	TO VALVE BRAKE LOCKING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCA49	0,75	Blue/Green	R19/04 BRAKE LOCKING VALVE RELAY
2	A_GD184BN	0,5	Black/Grey	GROUND

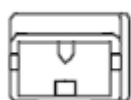


Con. Code	C2DC15			
Con. Desc.	CIGAR LIGHTER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP53	2,5	Grey/Red	Power Supply
3	B_GD184E	2,5	Black/Blue	Ground

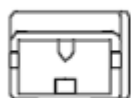


Con. Code	C2RD03-A			
Con. Desc.	HEATER WINDSHIELD 1 - GND			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD288A	4	Black	Ground

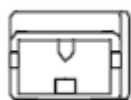
TRUCKS



Con. Code	C2RD03-B			
Con. Desc.	HEATER WINDSHIELD 1 - SUPPLY			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP28	4	Grey/Violet	Power

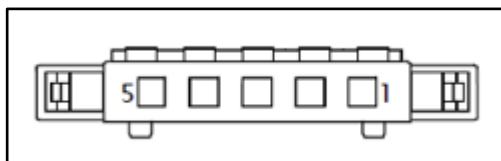


Con. Code	C2RD03-C			
Con. Desc.	HEATER WINDSHIELD 2 - GND			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD288B	4	Black	Ground

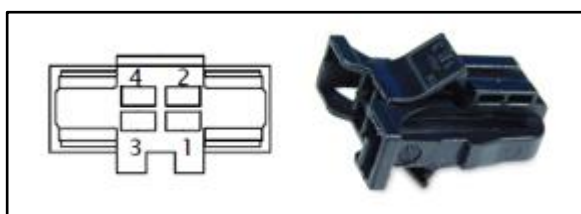


Con. Code	C2RD03-D			
Con. Desc.	HEATER WINDSHIELD 2 - SUPPLY			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP29	4	White/Violet	Supply

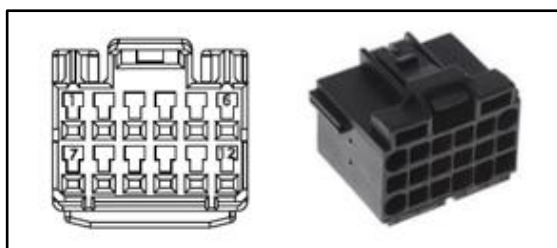
TRUCKS



Con. Code	C2H426-A			
Con. Desc.	TO SWITCH BLOWER SPEED (A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	CH430	1,5	Violet/Orange	Resistor High
3	CH428	1,5	Green/White	Resistor Medium
4	CH427	1,5	Brown	Resistor Low
5	CH446B	1,5	Grey/Yellow	Servo Motor1 (-)



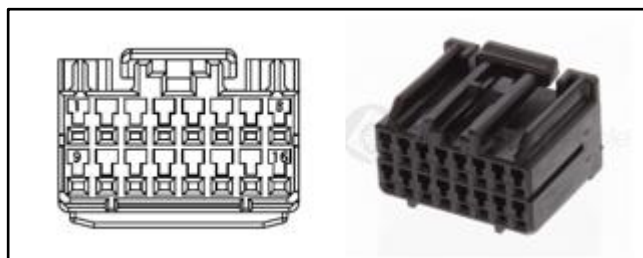
Con. Code	C2H426-B			
Con. Desc.	TO SWITCH BLOWER SPEED (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS04DC	0,35	Blue/Brown	Power Supply
4	A_GD184AAD	0,35	Black/Grey	Ground



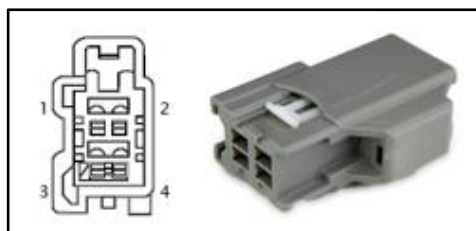
Con. Code	C2ES01-A			
Con. Desc.	MODULE PREDICTIVE CRUISE CONTROL – 1 (PCCM)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	VDB11CA	0,5	Brown/Green	PVT CAN +
3	VDB12CA	0,5	Brown/Blue	PVT CAN -

TRUCKS

4	A_GD114P	0,75	Black/Blue	Ground
5	VDB31CA	0,5	Blue/Green	OTA CAN +
6	VDB32CA	0,5	Violet/White	OTA CAN -



Con. Code	C2ES01-B			
Con. Desc.	MODULE PREDICTIVE CRUISE CONTROL – 2 (PCCM)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP04C	0,5	Violet	Power Supply KL30
8	SBP14	0,75	Brown/Red	Power Supply KL15

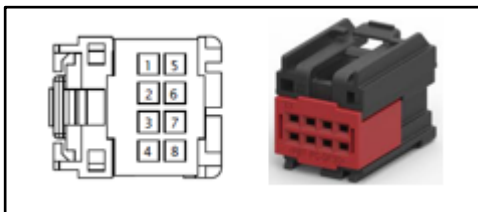


Con. Code	C2EC01			
Con. Desc.	KNOB SHIFTER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	X_CBP16	0,75	Blue/Green	Power Supply
2	ZA203C	0,75	Orange/Blue	Valve Gate Interlock
3	CCL10G	0,75	White	Low Range Selection
4	LCA27M	0,75	Brown/White	Cabin&Dashboard Supply

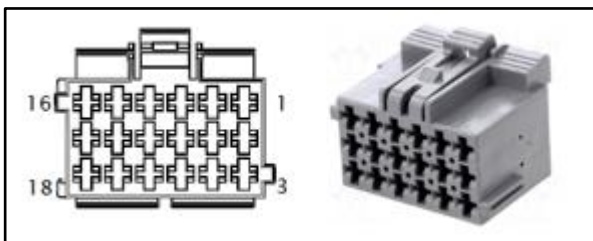


TRUCKS

Con. Code	C2RT23			
Con. Desc.	MODULE PATS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CRT31	0,35	Yellow	Power Supply
2	A_GD114F	0,35	Black/Blue	Ground
3	VRT07	0,35	Violet/Brown	PATS TX 30
4	VRT23	0,35	Violet/Grey	PATS RX 14

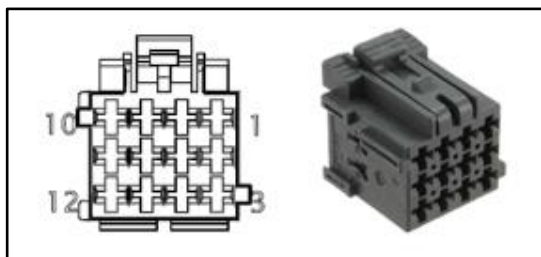


Con. Code	C2LF23			
Con. Desc.	SWITCH HEADLAMP			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB82	0,5	Yellow/Red	Power Supply 12V KL30
3	VDN02H	0,5	Green/Orange	LIN
6	RLF26A	0,35	Grey/Yellow	Leveling
7	A_GD186J	0,75	Black/Blue	Ground

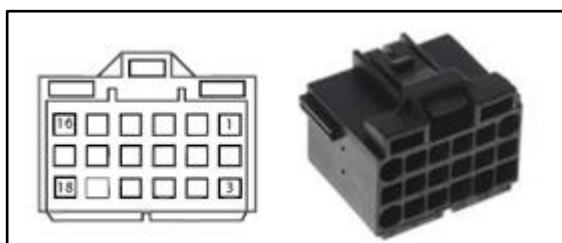


Con. Code	C1A260-A			
Con. Desc.	RETARDER - 1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VDB12AR	0,5	Brown/Blue	V-CAN3 (+)
3	VDB11AR	0,5	Brown/Green	V-CAN3 (-)
7	CBP05D	0,75	Yellow	Power Supply
14	A_GD186PA	0,75	Black/Blue	Ground

TRUCKS



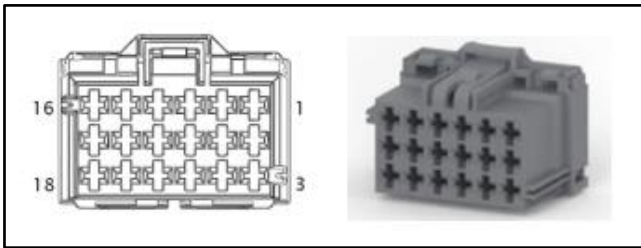
Con. Code	C1A260-B			
Con. Desc.	RETARDER - 2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA210C	0,75	Orange/Yellow	Water Temp Sensor P1
2	ZA211C	0,75	Orange/Blue	Water Temp Sensor P1
3	ZA213C	0,75	Orange/Grey	Proportional Valve P1
4	ZA214C	0,75	Orange/White	Proportional Valve P2
5	ZA215C	0,75	Orange/Black	Oil Temp Sensor P1
6	ZA217C	0,75	Orange	Oil Temp Sensor P2
7	ZA218C	0,75	Orange/Yellow	Pressure Sensor P2
8	ZA219C	0,75	Orange/Blue	Pressure Sensor P4
9	ZA220C	0,75	Orange/Green	Pressure Sensor P1



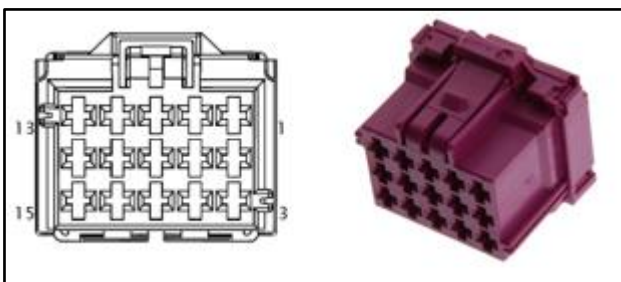
Con. Code	C2CB0-A			
Con. Desc.	EBS MODULE (A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VDB12AE	0,5	BROWN/BLUE	VCAN 3 (-)
3	VDB11AE	0,5	BROWN/GREEN	VCAN 3 (+)
4	RCA30	0,35	BLUE	Foot Brake Module Ground
5	VCA30	0,35	YELLOW/VIOLET	Foot Brake Module Signal 1
6	CCA29	0,35	GREEN/BLUE	Foot Brake Module Switch
7	LCA30	0,35	GREY/ORANGE	Foot Brake Module Supply
8	VCA43	0,35	WHITE/GREEN	Foot Brake Module Signal 2

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10	CCA58A	0,35	YELLOW/GREEN	OFFROAD-ESP SWITCH
11	A_GD186A	2,5	BLACK/BLUE	GROUND 1
12	A_GD186B	2,5	BLACK/BLUE	GROUND 2
13	CBP01	0,5	BLUE	IGNITION
16	SBP32A	1	VIOLET/RED	BATTERY SUPPLY 1
17	SBP32D	1	VIOLET/RED	BATTERY SUPPLY 2



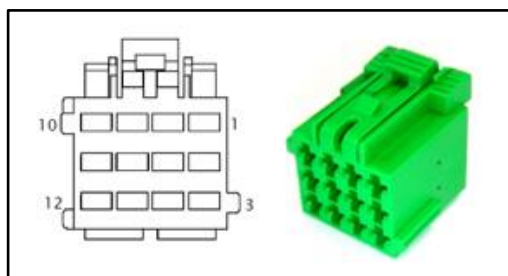
Con. Code	C2CB0-B			
Con. Desc.	EBS MODULE (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
7	ZA206	0,5	ORANGE/WHITE	MOD FRONT SUPPLY
8	VDB04B	0,5	WHITE/BLUE	CANB FRONT HIGH
9	VDB05B	0,5	WHITE	CANB FRONT LOW
10	CET10A	0,5	BLUE/GREY	VALVE PRESSURE CONTROL LEFT FRONT A
15	ZA207	0,5	ORANGE/BLACK	MOD FRONT GROUND



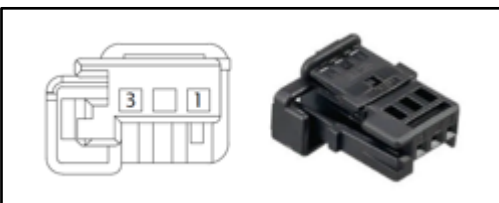
Con. Code	C2CB0-C			
Con. Desc.	EBS MODULE (C)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_RCA09B	0,35	GREEN/VIOLET	STEERING ANGLE SENSOR GROUND
4	B_VCA24B	0,35	GREEN/ORANGE	CANB SENS LOW
7	B_VCA23B	0,35	BLUE/WHITE	CANB SENS HIGH

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9	ZA201	0,35	ORANGE	LOW PRESSURE SWITCH
10	B_CCA09B	0,35	VIOLET/BROWN	SENSOR- STEERING ANGLE SUPPLY
11	ZA115B	0,35	ORANGE/WHITE	LAMP2
13	MCB48B	0,35	GREY/YELLOW	ILLUMINATION FUNCTION HILL HOLDER
14	MCB47B	0,35	VIOLET/ORANGE	HILL HOLDER SWITCH
15	ZA387	0,5	ORANGE/BLACK	GARBAGE BRAKE INPUT

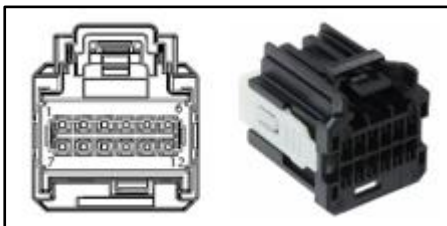


Con. Code	C2CB0-D			
Con. Desc.	EBS MODULE (D)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
8	VDB04	0,5	WHITE/BLUE	CAN TRAILER HIGH
9	VDB05	0,5	WHITE	CAN TRAILER LOW

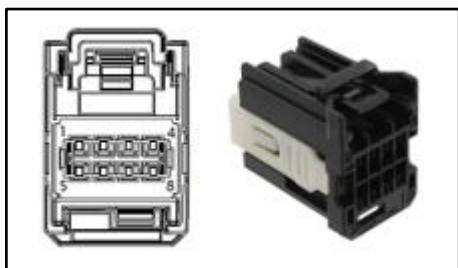


Con. Code	C2RW06			
Con. Desc.	RAIN SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBB77B	0,75	WHITE	12V KL15 Power Supply
2	A_GD186V	0,75	BLACK/BLUE	GROUND
3	VDN01R	0,75	BLUE/WHITE	LIN

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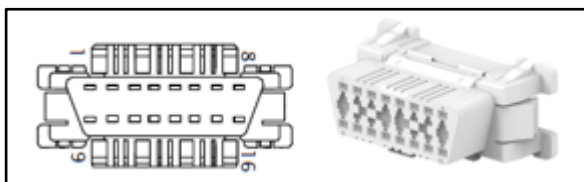
Con. Code	C2DB02-A			
Con. Desc.	TO MODULE CENTRAL GATEWAY / CGW-A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP03	0,75	GREY	Power Supply KL15
2	VDB11CA	0,5	BROWN/GREEN	PCCM OTA CAN + 2
3	VDB12CA	0,5	BROWN/BLUE	PCCM OTA CAN +3
4	VDB31CA	0,5	BLUE/GREEN	PCCM OTA CAN + 4
5	VDB32CA	0,5	VIOLET/WHITE	PCCM OTA CAN + 5
6	SBP45	0,75	GREY/RED	Power Supply KL30
7	VDB34CA	0,5	GREY/YELLOW	OBD CAN -
8	VDB33CA	0,5	WHITE/BROWN	OBD CAN +
9	VDB28A	0,5	WHITE/GREEN	CBD CAN-
10	VDB27A	0,5	GREY/VIOLET	CBD CAN+
11	VDB12AN	0,5	BROWN/BLUE	V-CAN3 (-)
12	VDB11AN	0,5	BROWN/GREEN	V-CAN3 (+)



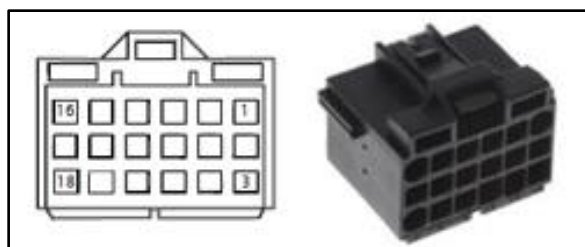
Con. Code	C2DB02-B			
Con. Desc.	TO MODULE CENTRAL GATEWAY / CGW-B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VDB04CG	0,5	WHITE/BLUE	V_CAN1(+)
2	VDB05CG	0,5	WHITE	V_CAN1(-)
3	VDB25CA	0,5	GREEN/ORANGE	V-CAN 2+
4	VDB26CA	0,5	GREY/BLUE	V-CAN 2-
5	A_GD114CA	0,75	BLACK/BLUE	GROUND

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6	A_GD114CB	0,75	BLACK/BLUE	GROUND
7	VMR34BB	0,5	WHITE/BROWN	BMCFlashCAN
8	VMR33BB	0,5	YELLOW/GREY	BMCFlashCAN+



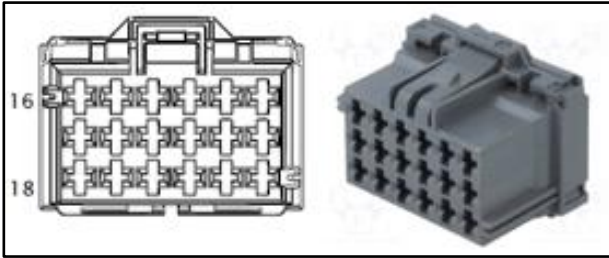
Con. Code	C2DB04			
Con. Desc.	TO DIAGNOSTIC TOOL-1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
4	B_GD114SS	0,5	BLACK/BLUE	Chassis GND
5	A_GD114AB	0,5	BLACK/BLUE	Signal GND
6	VDB33CA	0,5	WHITE/BROWN	OBD CAN1-H1
14	VDB34CA	0,5	GREY/YELLOW	OBD CAN1-LO
16	X_SBP18	0,75	YELLOW/RED	Power Supply KL30 24V



Con. Code	C2CA01-A			
Con. Desc.	PCV DRIVE LEFT VALVE GND – A (ABS-ESP)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	ZA115F	0,5	ORANGE/WHITE	BRAKE LIGHT
3	CBP01A	0,5	BLUE	Power Supply KL15
4	CCA59A	0,5	YELLOW/VIOLET	VAL TRAC DR AX
5	VCA14A	0,5	WHITE/BROWN	TCV DRIVE AXLE VALVE
7	VDB12AF	0,5	BROWN/BLUE	V-CAN3 (+)
8	VDB11AF	0,5	BROWN/GN	V-CAN3 (-)
9	RCA16G	0,75	BLUE/BROWN	PRESSURE SENSOR 2
10	VCA06	0,35	WHITE/ORANGE	WSS DRIVE RIGHT +
11	RCA20	0,35	BROWN	WSS DRIVE RIGHT -
12	A_GD186F	2,5	BLACK/BLUE	WL GND

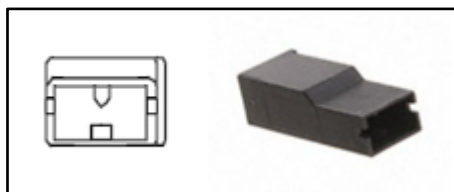
TRUCKS

14	ZA390G	0,75	ORANGE/YELLOW	PRESSURE SENSOR 4
16	SBP32C	1	VIOLET/RED	Power Supply KL30
17	MCB48A	0,35	GREY/YELLOW	HILLHOLDER LAMP1
18	MCB47A	0,35	VIOLET/ORANGE	HILLHOLDER SW

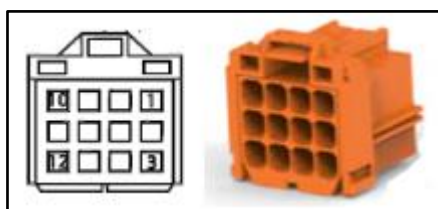


Con. Code	C2CA01-B			
Con. Desc.	PCV DRIVE LEFT VALVE GND – B (ABS-ESP)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCA50	0,5	GREEN/BLUE	PCV STEER LEFT INLET VALVE
2	CCA51	0,5	BLUE/GREY	PCV STEER LEFT OUTLET VALVE
3	RCA50	0,5	GREY/YELLOW	PCV STEER LEFT VALVE GND
4	CCA52	0,5	GREEN/BROWN	PCV STEER RIGHT INLET VALVE
5	VCA03	0,35	VIOLET/WHITE	WSS STEER LEFT +
6	RCA52	0,5	BROWN/BLUE	PCV STEER RIGHT VALVE GND
7	CCA53	0,5	GREY/BROWN	PCV STEER RIGHT OUTLET VALVE
8	RCA17	0,35	YELLOW	WSS STEER LEFT -
9	RCA56	0,5	WHITE/BLUE	PCV DRIVE RIGHT VALVE GND
10	CCA57	0,5	BROWN/YELLOW	PCV DRIVE RIGHT INLET VALVE
11	VCA05	0,35	GREY/VIOLET	WSS STEER RIGHT +
12	RCA54	0,5	GREY/VIOLET	PCV DRIVE LEFT VALVE GND
13	CCA56A	0,5	VIOLET/GREY	
13	CCA56	0,5	VIOLET/GREY	PCV DRIVE RIGHT OUTLET VALVE
14	RCA19	0,35	VIOLET	WSS STEER RIGHT -
15	VCA04	0,35	BLUE/ORANGE	WSS DRIVE LEFT+
16	CCA54	0,5	VIOLET/GREEN	PCV DRIVE LEFT INLET VALVE
17	VCA49	0,5	VIOLET	VAL PR CON DR AX LEFT IN
18	RCA18	0,35	BROWN/GREEN	WSS DRIVE LEFT -

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Con. Code	C2CA01-C			
Con. Desc.	PCV DRIVE LEFT VALVE GND – C (ABS-ESP)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	CCA60	0,5	VIOLET/BROWN	VALVE -TRACTION CONT. STEER AXLE +
5	RCA59	0,5	GREEN/ORANGE	VALVE -TRACTION CONT. STEER AXLE -

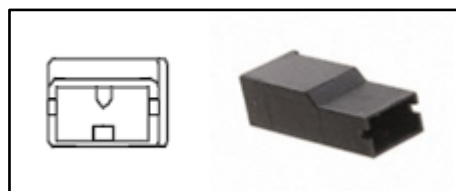


Con. Code	C2CA01-D			
Con. Desc.	PCV DRIVE LEFT VALVE GND – D (ABS-ESP)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA390	0,5	ORANGE/YELLOW	SENSOR PRESSURE REAR ZA
2	RCA16	0,5	BLUE/BROWN	SENSOR PRESSURE REAR
4	VCA13	0,5	YELLOW/BLUE	SENSOR PRESSURE VC
5	LCA16	0,5	GREEN	SENSOR PRESSURE FRONT
7	VCA41A	0,35	VIOLET/GREEN	SENSOR- STEERING ANGLE CAN L
8	VCA42A	0,35	VIOLET/ORANGE	SENSOR- STEERING ANGLE CAN H
10	RCS06A	0,35	BROWN/VIOLET	SENSOR- STEERING ANGLE GROUND
11	VCS06A	0,35	GREY/BROWN	SENSOR- STEERING ANGLE POWER

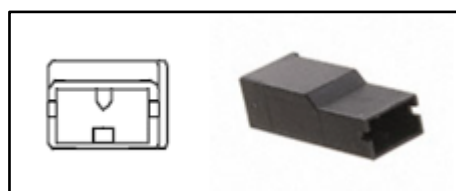


TRUCKS

Con. Code	C2CA78			
Con. Desc.	ROLLING BACK MODULE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD186U	0,35	BLACK/BLUE	GROUND
2	CBP06A	0,35	GREEN/BLUE	INSTRUMENT CLUSTER
3	SBP16B	0,35	VIOLET/RED	TO ROLLING BACK BUZZER / 3
4	CCA78	0,35	WHITE/ORANGE	ROLLING BACK INPUT
5	MRB10	0,35	WHITE/BROWN	TO ROLLING BACK BUZZER / 2
6	VETC8A	0,35	BROWN/GREEN	CONNECTOR-AFTERMARKET

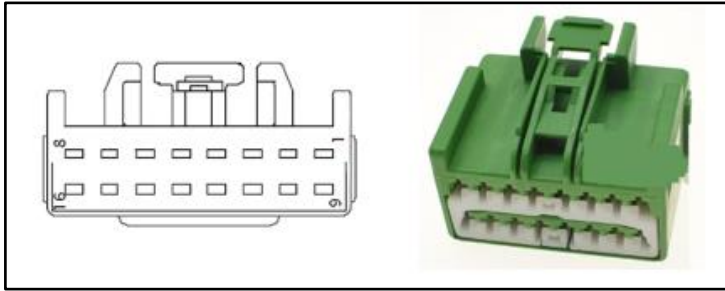


Con. Code	C2MC25-A			
Con. Desc.	TO SWITCH PARKING BRAKE (A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD184M	0,5	BLACK/GREY	GROUND

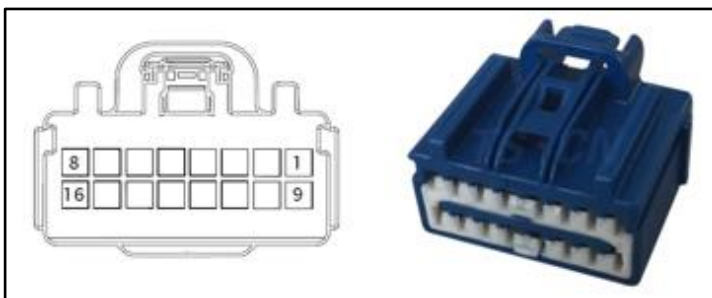


Con. Code	C2MC25-B			
Con. Desc.	TO SWITCH PARKING BRAKE (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CMC25	0,5	WHITE/VIOLET	Parking Brake Switch

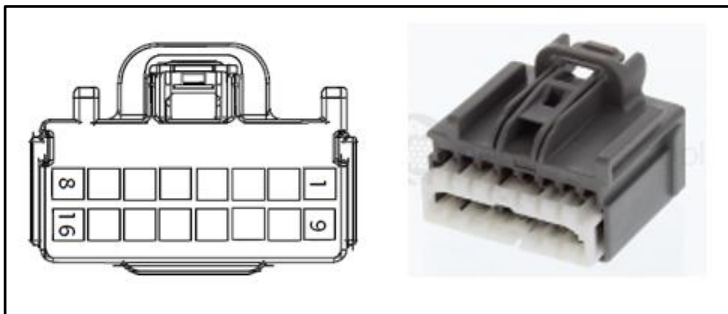
TRUCKS



Con. Code	C2AM02-A			
Con. Desc.	BCM MODULE (A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB73	1,5	RED	Vehicle Converter 12V Supply
2	CPW41A	1,5	GREY/YELLOW	Power Window Right Up Relay
3	CPW40A	1,5	WHITE	Power Window Right Down Relay
4	SBP64	1,5	RED	24V Power Suuply VBatt.
5	CPW35C	1,5	GREEN	Power Window Left Down Relay
6	CPW34C	1,5	BLUE	Power Window Left Up Relay
7	CPR39A	0,75	VIOLET/WHITE	Sunroof Motor Open Supply
8	CPR22A	0,75	WHITE/BROWN	Sunroof Motor Close Supply
9	CAT06E	1,5	YELLOW	Trailer Left Supply
10	CAT09E	1,5	GREEN	Trailer Right Supply
11	CPL13	0,5	BROWN/GREEN	Door Lock 12V Relay
12	SBP65	1,5	YELLOW/RED	24V Power Supply VBatt.
13	CPL11	0,5	GREY/BROWN	Door Unlock 12V Relay
14	CLS35	0,5	VIOLET	Rear Parking Light Supply
15	CRW10	1,5	VIOLET/ORANGE	Wiper Low Relay
16	CRW08C	1,5	VIOLET/ORANGE	Wiper High Relay



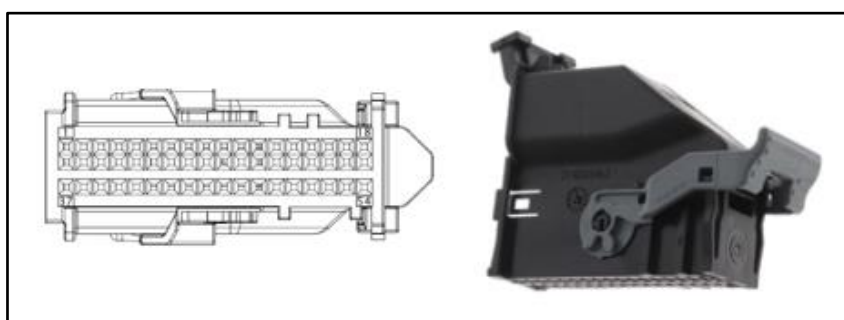
Con. Code	C2AM02-B			
Con. Desc.	BCM MODULE (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP66	1,5	WHITE/RED	24V Power Supply VBatt.
2	SBP67	1,5	RED	24V Power Supply VBatt.
3	CLF61A	0,75	GREEN/ORANGE	DDRL Supply
4	A_CCB10A	0,35	YELLOW/GREEN	Engine Brake Supply
6	CRW24	1,5	GREY	Washer Forward Supply
7	CLS21B	0,5	BLUE/GREEN	Turn Rear Right Supply
8	CLS37A	1,5	GREEN/WHITE	Rear Fog Lamps Trailer&Aftermarket
9	CLS21A	0,5	BLUE/GREEN	Turn Lamp Left Front
11	CLS25A	0,75	YELLOW/VIOLET	Turn Lamp Right Front
13	ZA335	0,5	ORANGE/BLUE	A/C POWER 1 RELAY
14	VLF90A	0,75	BLUE/GREEN	Fog Lamp Front Right Supply
15	SBP68	1,5	BLUE/RED	24V Power Supply VBatt.
16	SBP69	1,5	GREEN/RED	24V Power Supply VBatt.



Con. Code	C2AM02-C			
Con. Desc.	BCM MODULE (C)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP56	1,5	VIOLET/RED	24V Power Supply VBatt.
2	CLN20	0,5	GREY/BROWN	Map Lamp PWM Supply Right
3	SBP58	1,5	YELLOW/RED	24V Power Supply VBatt.
4	CLF29A	0,75	BROWN	Fog Lamp Front Left Supply
5	CLF04A	0,75	BROWN/BLUE	Low Beam Left Supply

TRUCKS

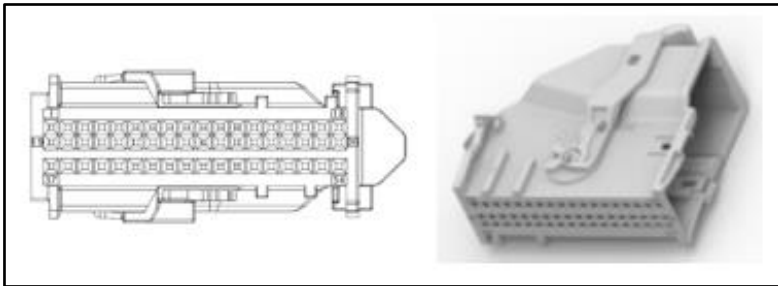
6	CLN83E	0,35	GREY/BBLUE	Dome Light Supply
7	CAT16A	0,5	GREY/BROWN	Reverse Gear (MANUEL)
8	CLS25B	0,5	YELLOW/VIOLET	Turn Rear Left Supply
11	CLF05A	0,75	BLUE/GREEN	Low Beam Right Supply
12	CLN19	0,5	GREEN/WHITE	Map Lamp PWM Supply Left
13	CH401	0,35	VIOLET/WHITE	AC Cut Off Supply
15	CLN04A	0,75	BLUE/BROWN	Interior Light Dimming Supply
16	CLF03A	0,75	VIOLET/ORANGE	High Beam Supply



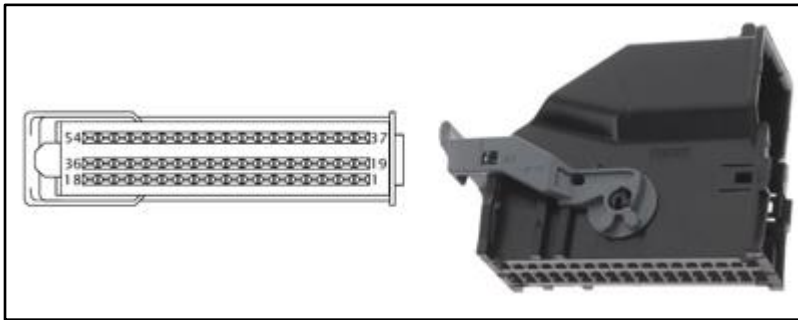
Con. Code	C2AM02-D			
Con. Desc.	BCM MODULE (D)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPW19A	0,35	VIOLET/BROWN	Power Window PASS Down Switch
2	CPR78C	0,35	VIOLET/ORANGE	Interlock Driver Request Switch
4	ME941B	0,35	YELLOW/VIOLET	Maneuvering Switch
5	CDC32F	0,75	BROWN/YELLOW	Ignition On Switch
6	CLN28B	0,5	GREEN/BLUE	Door Ajar Right Switch
7	VES10A	0.35	WHITE	Cruise Control Set Plus Switch
8	CES04B	0.35	VIOLET/ORANGE	Cruise Control Resume Switch
13	CLN39	0.35	BROWN/WHITE	ForwardDrivingSwitch(EmergencySwitch)
18	CMM14A	0,35	WHITE	Clock Spring 3 RH Sensor
20	CPR31D	0,35	VIOLET/BROWN	Sunroof Open Switch
21	MLN28C	0,35	BLUE/ORANGE	Dome Lamp Switch
22	CCB40	0,35	BROWN/YELLOW	Sunroof Open Switch
23	CLN28A	0,5	GREEN/BLUE	Door Ajar Left Switch
26	CRW25	0,75	BLUE/GREY	Wiper Park Position Switch
27	CLS32A	0,35	BROWN/YELLOW	Hazard Switch
33	VME14A	0,35	GREY/YELLOW	Clock Spring 3 LH Sensor
34	CMC29A	0,35	GREEN/VIOLET	Clock Spring 1 RH Sensor
35	CES05A	0,35	BROWN/BLUE	Clock Spring Sensor Gnd
37	CRD08D	0,35	GREEN/ORANGE	Heated Windshield Supply

TRUCKS

38	CMC25	0,5	WHITE/VIOLET	Parking Brake Switch
39	CPL42	0,35	GREY/YELLOW	Gear Shift Down Switch
40	CDC33B	0,5	VIOLET/GREEN	Ignition Accessory Switch
43	CES06A	0,35	BLUE/GREEN	Cruise Control Set Minus Switch
45	CMC51A	0,75	BROWN/BLUE	Clock Spring 2 RH Sensor
48	VES10D	0,35	WHITE	Clock Spring 1LH Sensor
49	VES13A	0,35	WHITE/VIOLET	Clock Spring 2 LH Sensor



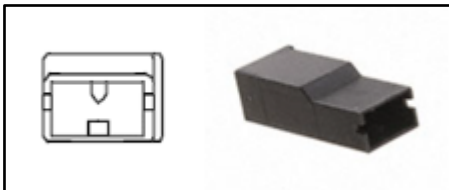
Con. Code	C2AM02-E			
Con. Desc.	BCM MODULE (E)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CAT04A	0,35	VIOLET/ORANGE	Trailer ABS/EBS WLA
2	CPR40D	0,35	YELLOW/ORANGE	Sunroof Close Switch
3	CH302	0,5	WHITE/BROWN	AC Compressor Switch
11	CE907A	0,35	GREEN/WHITE	Low Liner Switch
11	CCF27D	0,35	GREY	Tag Axle Lifting
12	VCA07A	0,35	BLUE/ORANGE	Diff Lock 1 Driver Request Switch
13	ZA135B	0,35	ORANGE/BLUE	Door Lock Right Ack Switch
14	ZA101A	0,35	ORANGE	Mirror Heater Switch
17	CLN26F	0,35	BLUE	Map Reading Lamp Switch
18	A_CE913	0,35	BLUE	PTO Activation 1 Switch
24	CDC06E	0,5	VIOLET/WHITE	Alternator Charging Status
25	MAT61A	0,35	WHITE/VIOLET	Trailer Tag Axle Lifting Switch
28	CPR78B	0,35	VIOLET/ORANGE	Turn Indicator Left Switch
32	RBC37A	0,35	BROWN/BLUE	DPF Manual Regen Switch
35	CPL43	0,35	VIOLET/GREY	Gear Shift Up Switch
42	CCF27C	0,35	GREY	Axle Lifting 1 Switch
43	CPW20A	0,35	WHITE/ORANGE	Power Window PASS Up Switch
48	ZA221	0,75	ORANGE/GREY	Rolling Back Input
53	ZA321	0,35	ORANGE/GREY	Cabin Tilt Switch

TRUCKS


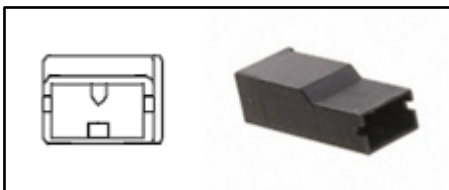
Con. Code	C2AM02-F			
Con. Desc.	BCM MODULE (F)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_CRD17A	0,5	ORANGE/GREEN	Heated Mirror Supply
2	VRD23E	0,75	YELLOW/BLUE	Heated Windshield Supply 2
3	ZA127	0,5	ORANGE/BLUE	Autodrop Valve Axle 1 Supply
4	CLS25CA	0,75	YELLOW/VIOLET	Turn Front &Side Right Supply
5	MPM03A	0,75	BROWN/YELLOW	Main Left Mirror Down Left Ctrl
6	MPM46A	0,75	VIOLET/GREEN	Main Right Mirror Up Ctrl
7	VDN02A	0,5	GREEN/ORANGE	LIN_IPSwitch
8	MPM48A	0,75	YELLOW/GREEN	Main Right Mirror Right Ctrl
9	VPW45A	0,35	GREEN/WHITE	Hall Sensor Right Supply
10	VLN04A	0,35	VIOLET/GREY	Steering Column Switch Illumination Supply
11	VDB26BA	0,5	GREY/BLUE	VCAN2 Low
12	B_GD185A	1,5	BLACK/WHITE	Power Gnd
13	VDB13B	0,5	BLUE/GREY	HS CAN3 High
14	VMR33BA	0,5	YELLOW/GREY	ECAN High
15	VMR33BB	0,5	YELLOW/GREY	Flash CAN High
18	VPW98A	0,35	BLUE/WHITE	Power Window Direction Left Hall Sensor
19	VLN40	0,5	YELLOW/BLUE	Step Lights Supply
22	ZA326	0,5	ORANGE/YELLOW	Cabin Tilt Valve Supply
23	B_GD185B	0,75	BLACK/WHITE	Electronic 2 Gnd
24	VDN01A	0,5	BLUE/WHITE	LIN1
27	MPM06A	0,75	BROWN	Main Right
29	VDB25BA	0,5	GREEN/ORANGE	VCAN2 High
31	VDB14B	0,5	VIOLET/GREY	HS CAN3 Low
32	VMR34BA	0,5	WHITE/BROWN	ECAN Low
33	VMR34BB	0,5	WHITE/BROWN	Flash CAN Low
35	VPW38A	0,35	YELLOW/BLUE	Hall Sensor Left GND
36	VPW44A	0,35	BLUE/ORANGE	Hall Sensor Right GND
38	CLS21CA	0,75	BLUE/GREEN	Turn Front &Side Left Supply
40	VETC8B	0,5	BROWN/GREEN	Autodrop Valve Axle 2 Supply

TRUCKS

41	MPM45A	0,75	BLUE	Main Left Mirror Up Ctrl
42	MPM47A	0,75	YELLOW	Main Left Mirror Right Ctrl
43	B_GD185C	0,75	BLACK/WHITE	Electronic Gnd
45	VPW39A	0,35	BLUE/WHITE	Hall Sensor Left Supply
50	B_CE913	0,35	BLUE	PTO Activation 2 Switch
51	CCB09A	0,35	GREY/BLUE	DPF Inhibit Switch
54	VPW99A	0,35	YELLOW/VIOLET	Power Window Direction Right Hall Sensor

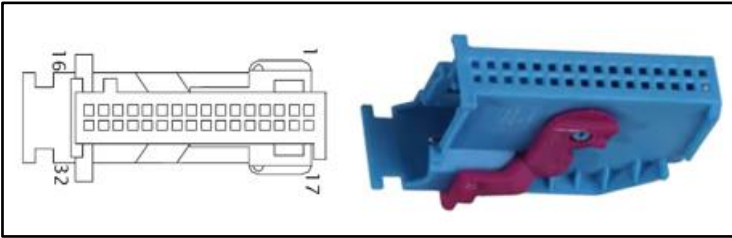


Con. Code	C2A103-A			
Con. Desc.	TO SWITCH ADR (A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC05	0,5	GREY/VIOLET	Master Battery Switch CTRL 1



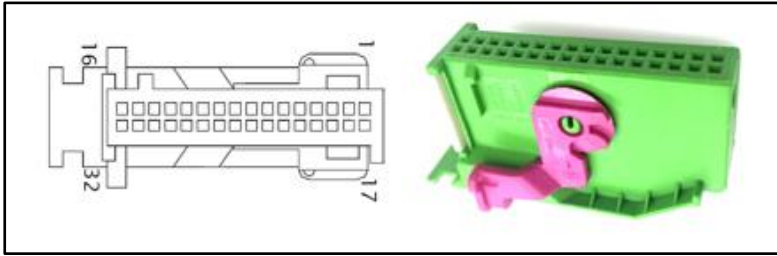
Con. Code	C2A103-B			
Con. Desc.	TO SWITCH ADR (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC05D	0,5	GREY/VIOLET	ADR 2 Switch

TRUCKS



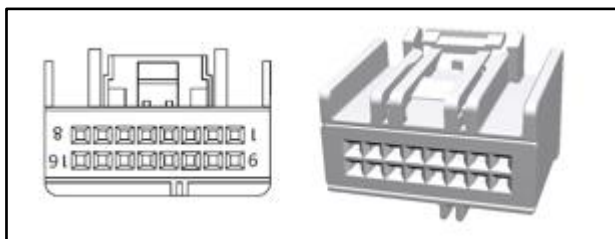
Con. Code	C2MC01-A			
Con. Desc.	MODULE INSTRUMENT CLUSTER (A) - BLUE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA384EA	0,5	ORANGE/GREEN	Vehicle Guardian(FMS Input)
2	CR150D	0,35	BLUE/ORANGE	Seat Belt
3	VLN18A	0,35	BLUE/WHITE	LDWS Illumination
4	ZA320	0,35	ORANGE/GREEN	Steering Low Oil Pressure
7	CE501	0,35	GREY	Air Filter Intake Restriction
8	CPL30	0,35	BLUE/BROWN	Cabin Latch Unlocked
9	MCA30B	0,35	VIOLET/GREEN	Blending Switch Illumination
10	VLN37A	0,35	BLUE/WHITE	ESP SW FUNC. ILL
11	LE423U	0,35	GREEN/VIOLET	MIL Led Power
12	CE317	0,35	GREY	MIL Led GND
13	A_GD114B	0,75	BLACK/BLUE	Battery GND
14	CDC36B	0,35	GREEN/BROWN	Blending Switch
16	SBP17A	0,75	RED	Power Supply KL30
17	VMC17	0,35	BLUE/ORANGE	1st Axle (Brake Pad)
18	VMC16	0,35	YELLOW	2nd Axle (Brake Pad)
21	CMC08	0,35	GREEN/BROWN	4th Axle (Brake Pad)
22	CMC06	0,35	BROWN/BLUE	3rd Axle (Brake Pad)
23	CRT31	0,35	YELLOW	PATS Power Supply
24	CMC14	0,35	BROWN/YELLOW	Low Oil Pressure
26	CLN17	0,35	BROWN	TSR Switch Illumination
27	VE715	0,35	VIOLET/WHITE	Low Coolant Level
28	CBP07B	0,5	GREEN/BLUE	Power Supply KL15
29	A_GD114C	0,75	BLACK/BLUE	Battery GND
30	CR150B	0,35	BLUE/ORANGE	Passenger Seat Belt
32	SBP17B	0,75	RED	Power Supply KL30

TRUCKS

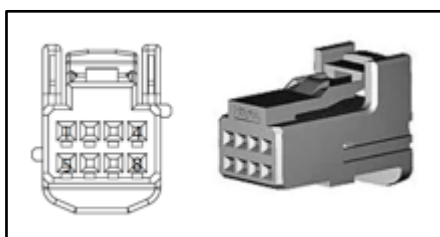


Con. Code	C2MC01-B			
Con. Desc.	MODULE INSTRUMENT CLUSTER (B) - GREEN			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA45A	0,35	GREY/ORANGE	LIN BUS 1 (FFH Dry type)
2	MAH31B	0,5	VIOLET/GREY	Aux Heater Output
5	VDB30F	0,75	WHITE/GREEN	CAN4 Low (ENGINE-CAN)
8	RMC27	0,35	WHITE/BROWN	Analog Ground
10	A_GD114D	0,5	BLACK/BLUE	Analog Ground
11	VDB26AA	0,5	GREY/BLUE	CAN1 Low (V-CAN2)
12	VDB12AB	0,5	BROWN/BLUE	CAN2 Low (V-CAN3)
13	VMR34TA	0,5	WHITE/BROWN	CAN3 Low (FMS-CAN)
14	VRT23	0,35	VIOLET/GREY	PATS_RX
15	MAH30B	0,5	BROWN/WHITE	Aux Heater Input 1
17	VCA45B	0,35	GREY/ORANGE	LIN BUS 2(FFH Wet type)
21	VDB29F	0,75	GREEN/BLUE	CAN4 High (ENGINE-CAN)
23	VE740	0,35	VIOLET/GREY	External Temperature
24	RMC32	0,35	GREEN/BLUE	Fuel Level
26	RMC27B	0,35	WHITE/BROWN	Fuel Level Ground
27	VDB25AA	0,5	GREEN/ORANGE	CAN1 High (V-CAN2)
28	VDB11AB	0,5	BROWN/GREEN	CAN2 High (V-CAN3)
29	VMR33TA	0,5	YELLOW/GREY	CAN3 High (FMS-CAN)
30	VRT07	0,35	VIOLET/BROWN	PATS_TX
31	MAH32A	0,5	GREY	Aux Heater Input 2

TRUCKS

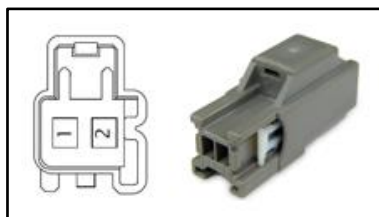


Con. Code	C2R115			
Con. Desc.	TO CLOCK SPRING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VLN04B	0,35	VIOLET/GREY	SPLY-HALL SNSR RHS
4	VME14A	0,35	GREY/YELLOW	ANALOG 3 LHS
5	VES10D	0,35	WHITE	ANALOG SIGNAL 1 LHS
6	CMM14A	0,35	WHITE	ANALOG 3 RHS
7	CMC29A	0,35	GREEN/VIOLET	ANALOG 1 RHS
9	A_GD186C	0,75	BLACK/BLUE	SW ILL/HORN GROUND
11	CRH04A	0,5	VIOLET/GREEN	HORN
12	VES13A	0,35	WHITE/VIOLET	ANALOG 2 LHS
13	CES05B	0,75	BROWN/BLUE	SENSOR GND
14	CMC51A	0,75	BROWN/BLUE	ANALOG 2 RHS
15	CES05C	0,75	BROWN/BLUE	SENSOR GND

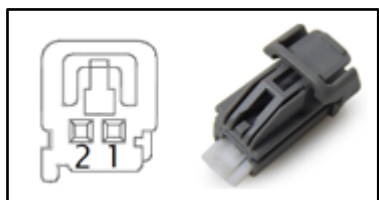


Con. Code	C2A187			
Con. Desc.	TO AMBIENT,MAP LIGHTING SW			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD184HA	0,35	BLACK/GREY	GROUND
2	MLN28C	0,35	BLUE/ORANGE	Dome Lamp Switch
3	A_GD184D	0,35	BLACK/GREY	GROUND
4	CLN04K	0,35	BLUE/BROWN	Interior Light Dimming Supply
5	A_GD184HB	0,35	BLACK/GREY	GROUND
6	CLN26F	0,75	BLUE	Map Reading Lamp Switch

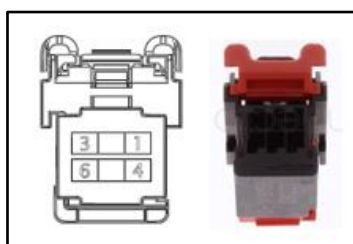
TRUCKS



Con. Code	C2E926-B			
Con. Desc.	ALCOHOL INTERLOCK (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC12A	0,75	YELLOW	Switch Ignition KL50

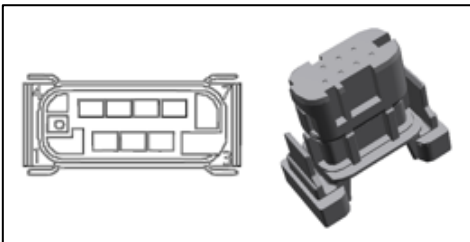


Con. Code	C2E926-C			
Con. Desc.	ALCOHOL INTERLOCK (C)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC12B	0,75	YELLOW	Switch Ignition KL50

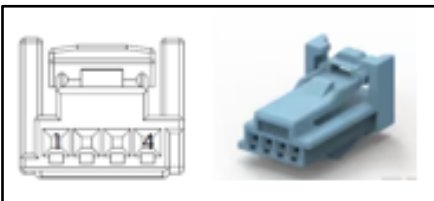


Con. Code	C2LS32			
Con. Desc.	SWITCH HAZARD			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	A_GD186R	0,35	BLACK/BLUE	GROUND
3	VLN04C	0,35	VIOLET/GREY	ILLUMINATION
6	CLS32A	0,35	BROWN/YELLOW	SWITCH

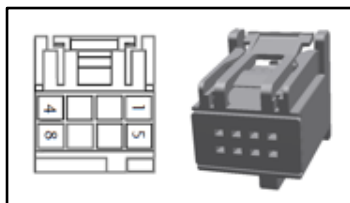
TRUCKS



Con. Code	C2CA41			
Con. Desc.	TO SENSOR-STEERING ANGLE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCS06A	0,35	BROWN/VIOLET	Ground
2	VCS06A	0,35	GREY/BROWN	Power Supply
3	VCA42A	0,35	VIOLET/ORANGE	CAN H
4	VCA41A	0,35	VIOLET/GREEN	CAN L



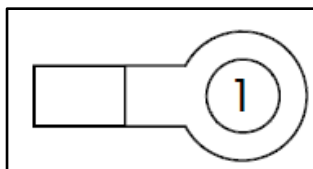
Con. Code	C2XD01			
Con. Desc.	TO SWITCH DUMMY (1)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20AC	0,35	YELLOW/VIOLET	Power Supply
2	ZA145A	0,35	ORANGE/GREY	R03-01 / Dummy Switch 1 Relay
3	B_GD114BG	0,35	BLACK/BLUE	Ground
4	CLN04DK	0,35	BLUE/BROWN	Interior Light Dimming Supply



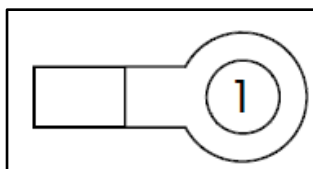
Con. Code	C2X209			
Con. Desc.	SWITCH-MULTIFUNCTION STALK-MFS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

TRUCKS

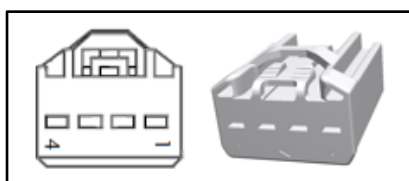
3	VDB04CM	0,5	WHITE/BLUE	V CAN +
4	VDB05CM	0,5	WHITE	V CAN -



Con. Code	C2DF10-A			
Con. Desc.	BOX POWERLINK			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_SDC14	16	RED	C2BB0 FUSE BOX B+

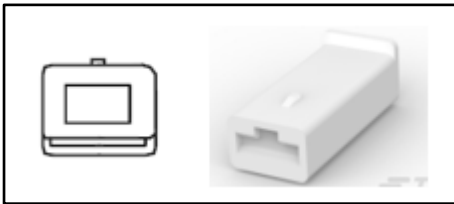


Con. Code	C2DF10-B			
Con. Desc.	BOX POWERLINK			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_SDC14	25	RED	FUSE-03/150A MEGA FUSE

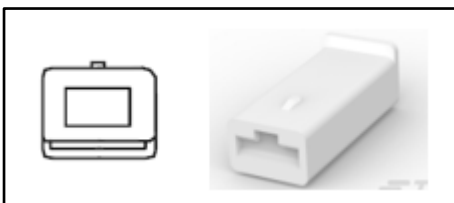


Con. Code	C2CB08			
Con. Desc.	SWITCH-BRAKE PEDAL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCB08A	0.35	VIOLET/WHITE	Main Brake Switch
2	CCB15A	0.35	BROWN/GREEN	Redundant Brake Switch
3	LCA27E	0.35	BROWN/WHITE	Knob Shifter
4	LE423C	0.35	GREEN/VIOLET	Knob Shifter

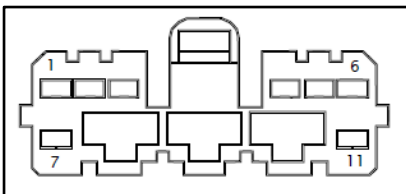
TRUCKS



Con. Code	CE904			
Con. Desc.	SWITCH-CLUTCH PEDAL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCA27D	0,5	BROWN/WHITE	Knob Shifter



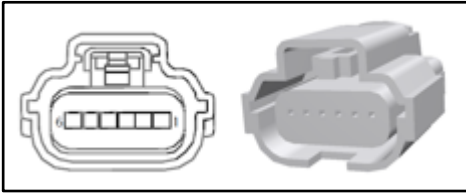
Con. Code	CE904 (B)			
Con. Desc.	SWITCH-CLUTCH PEDAL (B)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE417	0,5	GREY/BROWN	Clutch Switch



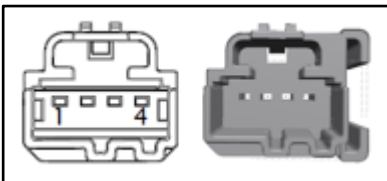
Con. Code	C2H102			
Con. Desc.	MODULE-BLOWER SPEED CONTROL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CH421A	0,5	GREY	TERMOSTAT1
2	CBP19A	0,5	BROWN/WHITE	SERVO MOTOR(+)
3	B_GD184P	0,75	BLACK/GREY	GROUND
5	CH446A	1,5	GREY/YELLOW	SERVO MOTOR1(-)
6	CH424A	0,5	WHITE/BLUE	SERVO MOTOR2(-)
7	CH302	0,5	WHITE/BROWN	TERMOSTAT2
8	CH402	1,5	YELLOW/GREEN	Motor Blower
9	CH430	1,5	VIOLET/ORANGE	RESISTOR HIGH
10	CH428	1,5	GREEN/WHITE	RESISTOR MEDIUM

TRUCKS

11	CH427D	0,75	BROWN	RESISTOR LOW
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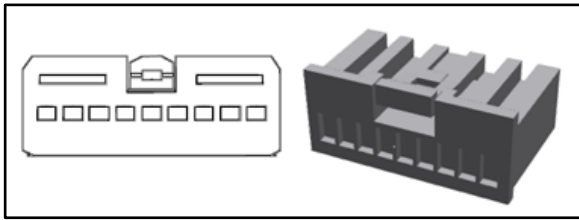


Con. Code	C2E701			
Con. Desc.	SWITCH-ACCELERATOR PEDAL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LE136	0,35	GREEN/ORANGE	Accelerator Pedal 1 Sensor Supply
2	VE701	0,35	YELLOW/ORANGE	Accelerator Pedal Position Sensor 1
3	RE136	0,35	VIOLET/GREEN	Accelerator Pedal Position Sensor 1 Ground
4	VE702	0,35	GREEN	Accelerator Pedal Position Sensor 2 Ground
5	CE901	0,35	YELLOW/BLUE	Accelerator Pedal Position Sensor 2
6	VE804	0,35	GREEN/BROWN	Accelerator Pedal 2 Sensor Supply

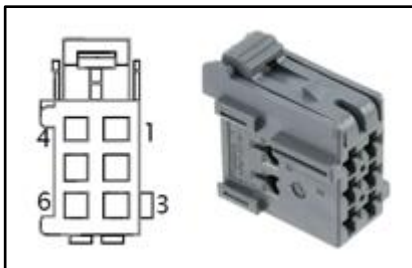


Con. Code	C2A182			
Con. Desc.	TO REMOTE CONTROL-ECAS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	X_CBP17	0.75	BROWN/GREEN	Power Supply KL15
2	VMR33RA	0,5	YELLOW/GREY	I CAN +
3	VMR34RA	0,5	WHITE/BROWN	I CAN -
4	A_GD114A	0.75	BLACK/BLUE	Ground

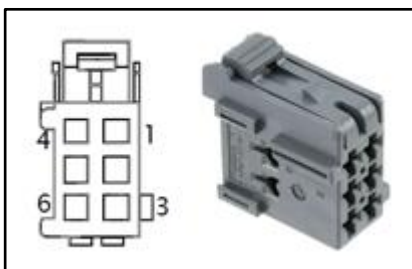
TRUCKS



Con. Code	C2MC47			
Con. Desc.	CAMERA FORWARD LOOKING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	VMF05	0,5	GREY/BUE	PRIVATE CAN/L
3	VDB12AC	0,5	BROWN/BUE	V-CAN3 (-)
7	CBP04A	0,5	VIOLET	Power Supply KL15
8	VMF04	0,5	BROWN/BUE	PRIVATE CAN/H
9	VDB11AC	0,5	BROWN/GREEN	V-CAN3 (+)
10	GD185C	0,5	BLACK/WHITE	Ground

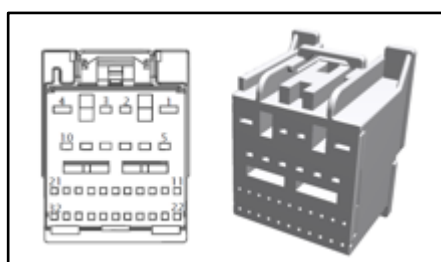


Con. Code	C3HS04			
Con. Desc.	HEATED SEAT LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	X_CBP15B	0,5	BROWN/BUE	POWER SUPPLY
4	B_GD114A	0,5	BLACK/BUE	GROUND
5	CR150G	0,35	BLUE/ORANGE	BELT MINDER



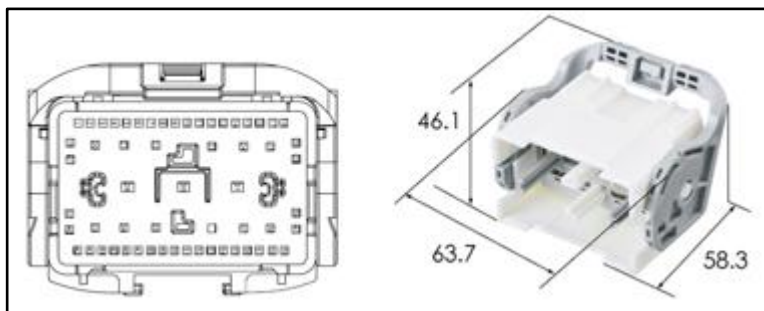
TRUCKS

Con. Code	C3HS04A			
Con. Desc.	HEATED SEAT BUCKLE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	X_CBP15A	0,5	BROWN/BLUE	POWER SUPPLY
4	B_GD114B	0,5	BLACK/BLUE	GROUND
5	CR150F	0,35	BLUE/ORANGE	BELT MINDER



Con. Code	C2ME03-A			
Con. Desc.	RADIO (STANDALONE TOUCH RADIO)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB74	2,5	VIOLET/BROWN	Power Supply 12V KL30
2	RME10S	0,75	WHITE/BROWN	SPEAKER RIGHT FRONT -
3	VME10S	0,75	WHITE	SPEAKER RIGHT FRONT +
4	A_GD287	2,5	BLACK/WHITE	GROUND
7	RME07T	0,75	WHITE/BROWN	SPEAKER LEFT FRONT -
8	VME07T	0,75	WHITE	SPEAKER LEFT FRONT +
14	VDN04J	0,5	VIOLET/WHITE	PARK AID LIN
15	VMM23B	0,5	BROWN/VIOLET	MIC+
18	RMP19A	0,5	BLUE/GREY	PRK AID R VID-
19	VDB13B	0,5	BLUE/GREY	HS CAN 3 +
25	VDN03A	0,5	GREY/VIOLET	BLIS LAMP LIN
26	RMM23B	0,5	WHITE/GREEN	MIC-
29	VMP19A	0,5	WHITE/GREEN	PRK AID R VID+
30	VDB14B	0,5	VIOLET/GREY	HS CAN 3 -

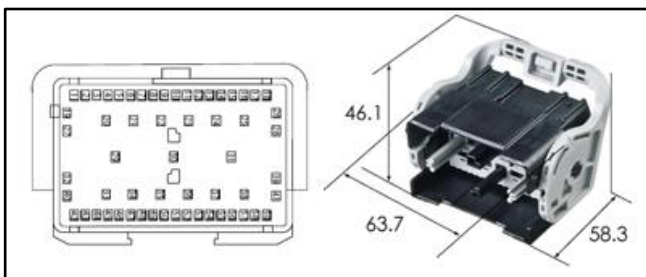
TRUCKS



Con. Code	C12-D (Yellow Band on It)			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC05	0,75	Grey/Violet	BMS CTRL 1
3	ZA320	0,75	Orange/Green	Cluster – Low Pressure Steering
4	CDC05D	0,75	Grey/Violet	ADR1 SWITCH
6	VDB11AN	0,75	Brown/Green	VCAN3 H
7	VDB12AN	0,75	Brown/Blue	VCAN3 L
8	VDB11AH	0,75	Brown/Green	VCAN3 H
9	VDB12AH	0,75	Brown/Blue	VCAN3 L
10	A_VE925B	0,75	Green/White	PTO Switch Illumination Function
11	VE518	0,75	Brown/White	Dry Type Fuel Heater Power Supply
12	RMC27	0,75	White/Brown	Exterior Air Temperature Sensor Ground
14	SDC68B	0,75	Brown/Violet	Battery Master Switch AUX 3
15	CLS37C	0,75	Orange/Yellow	Fog Lamps
16	VDN01B	0,75	Brown	BMS LIN1
17	VDB04CF	0,75	White/Blue	VCAN1 H
18	VDB05CF	0,75	White	VCAN1 L
19	CMC08	0,75	Green/Brown	4rd Axle Brake Pad Indicator POL+
20	CCA50	0,75	Green/Blue	Pressure Control Valve Inlet
21	CCA51	0,75	Blue/Grey	Pressure Control Valve Outlet
22	CCA53	0,75	Grey/Brown	ABS Pressure Valve Outlet
23	CCA52	0,75	Green/Brown	ABS Pressure Valve Inlet
24	RCA56A	0,75	Grey/Yellow	ABS Pressure Valve Ground
25	RCA56	0,75	Violet/Grey	Drive Axle Pressure Control Valve Outlet
26	CCA56A	0,75	Yellow	2nd Axle Brake Pad Indicator POL+
27	CCA56	0,75	Blue/Orange	1st Axle Brake Pad Indicator POL+
28	VMC16	0,75	Brown/Green	Solenoid Diff Lock 1 Valve
29	VMC17	1,5	Grey/Yellow	Left Park Lamps
30	RCA21A	1,5	Blue/White	Ignition KL15

TRUCKS

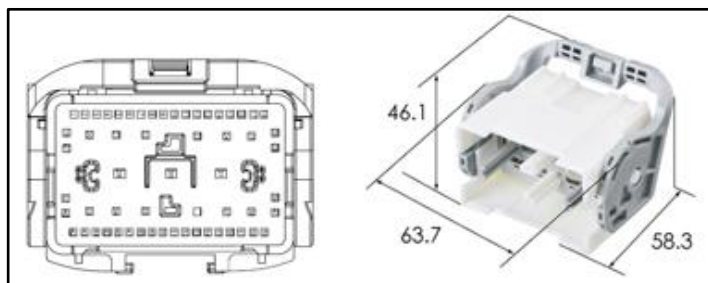
33	CBK48K	1,5	White/Blue	Rear Fog Lamps
34	ZA206	0,75	White	EBS Power Supply
35	RCA52	0,75	Brown/Blue	ABS Pressure Right Front Valve Ground
36	VCA03	0,75	Violet/White	Wheel Speed Left Front Sensor +
37	RCA17	0,75	Yellow	Wheel Speed Left Front Sensor -
38	CCA57	0,75	Brown/Yellow	Drive Axle Pressure Control Valve Inlet
39	CPL30	0,75	Blue/Brown	Switch Cabin Latch RHS Unlock
41	CE317	0,75	Grey	OBD Lamp LS - Ground
42	CCB08A	0,75	Violet/White	Main Brake Switch
43	LCA27A	0,75	Brown/White	Brake Pedal Switch
44	CDC39	0,75	Green/Blue	Hose Heater Relay HS
45	CE354B	0,75	White/Blue	Hose Heater Relay LS
46	CBP02	0,75	Green	RSA Power Unit
47	LE136	0,75	Green/Orange	Accelerator Pedal 1 Sensor Supply
48	RE136	0,75	Violet/Green	Accelerator Pedal Position Sensor 1 Ground
49	VE701	0,75	Yellow/Orange	Accelerator Pedal Position Sensor 1
50	CBP08	0,75	Grey/Yellow	Terminal 15 Signal // Ignition Switch
51	CE901	0,75	Yellow/Blue	Accelerator Pedal Position Sensor 2
53	CCB15A	0,75	Brown/Green	Redundant Brake Switch
54	CE612	0,75	Grey/Violet	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. HS
55	CE613	0,75	White/Violet	Turbo, EGR, Urea Level and NOX Sensors, Quantity Sensor etc. LS
56	VE766B	0,75	Grey/Yellow	WEMA Sensor Power Supply
57	CDC12	0,75	Yellow	Alcohol Interlock KL15
59	CE417	0,75	Grey/Brown	Clutch Switch



Con. Code	C12-C (Green Band on It)			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE515	0,75	Yellow/Grey	Fuel Pump - Dry Type Fuel Fired Heater
3	CE501	0,75	Grey	Sensor Intake Air
4	RMC27B	0,75	White/Brown	Ground
7	VE740	0,75	Violet/Grey	Ext. Temperature
9	RCL23	0,75	Violet/Green	5V Sensor Ground
12	B_VE925B	0,75	Green/White	Dummy Switch Illumination
14	CMC06	0,75	Brown/Blue	3rd Axle Brake Pad Indicator POL+
15	RMC32	0,75	Green/Blue	Fuel Level Signal
20	CAT10	2,5	Red	Damper Input
24	ZA322	4	Orange/White	Cabin Tilting Power
25	CBP24	1	Violet/Green	Heater Power Supply KL15
26	CRH02B	0,75	Blue/White	Horn
28	CLN39A	0,75	Brown/White	ForwardDrivingSwitch(EmergencySwitch)
29	SBB05G	2,5	Grey/Red	Auto Transmission Power Supply KL30
30	SBP16H	2,5	Violet/Red	Auto Transmission Power Supply KL30
31	CBP06B	1	White/Blue	Auto Transmission Power Supply KL15
32	ZA387	0,75	Orange/Black	Garbage Brake Input
33	CBP46B	1,5	White/Blue	Park Lamp Power Supply KL15
34	CCA26C	1,5	Blue/Green	Stop Lamp
35	CAT09E	1,5	Green	Trailer Right Lamp
36	CAT06E	1,5	Yellow	Trailer Left Lamp
37	CBP54	1,5	Yellow/Orange	Rear Lamp Power Supply KL15
39	SBP13	0,75	Grey/Red	Intarder Power Supply KL30
43	CBP59B	0,75	Brown/White	Short Range Radar Power Supply KL15
46	ZA203C	0,75	Orange/Blue	Valve Gate Interlock Signal
47	ZA210C	0,75	Orange/Yellow	Water Temperature Sensor Signal
48	ZA211C	0,75	Orange/Blue	Water Temperature Sensor Ground
49	ZA213C	0,75	Orange/Grey	Proportional Valve Signal
50	ZA214C	0,75	Orange/White	Proportional Valve Ground
51	ZA215C	0,75	Orange/Black	Oil Temperature Sensor Signal
52	ZA217C	0,75	Orange	Oil Temperature Sensor Ground
53	ZA218C	0,75	Orange/Yellow	Pressure Sensor P2
54	ZA219C	0,75	Orange/Blue	Pressure Sensor P4
55	ZA220C	0,75	Orange/Green	Pressure Sensor P1

TRUCKS

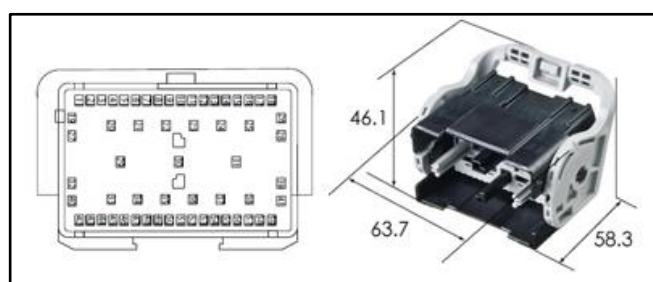
58	CCL10G	0,75	White	Low Range Selection
59	LCA27M	0,75	Brown/White	Knob Shifter Manual Transmission



Con. Code	C12-B (Red Band on It)			
Con. Desc.	14398 INLINER (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CES05	0,75	BROWN/BLUE	Cruise Control Off Switch
2	CES04	0,75	VIOLET/ORANGE	Cruise Control Resume
3	VDC73	0,75	GREEN/WHITE	Alternator W
4	CLS44	0,75	VIOLET/BROWN	Engine Stop
5	CCA59	0,75	YELLOW/VIOLET	TCV DRIVE AXLE OUTLET VALVE
8	CE619D	0,75	BLUE/BROWN	
11	ZA324A	0,75	ORANGE/WHITE	
12	ZA221A	0,75	ORANGE/GREY	Rolling Back
15	GD185R	0,75	BLACK/WHITE	TPMS Ground
16	VMF04	0,75	BROWN/BLUE	Private CAN H
17	VMF05	0,75	GREY/BLUE	Private CAN L
18	CBB73C	0,75	WHITE/BROWN	Long Range Radar Power Supply KL15
19	CDC06A	0,75	VIOLET/WHITE	Alternator L
20	CBP05G	1	YELLOW	Intarder Power Supply KL15 VPI
21	RCA18	0,75	BROWN/GREEN	WSS DRIVE LEFT -
22	VCA04	0,75	BLUE/ORANGE	WSS LEFT ADD1 +
23	RCA20	0,75	BROWN	WSS RIGHT ADD1 -
24	VCA06	0,75	WHITE/ORANGE	WSS DRIVE RIGHT +
25	VCA14A	0,75	WHITE/BROWN	TCV DRIVE AXLE INLET VALVE
26	RCA59	0,75	GREEN/ORANGE	Autodrop Sensor 4 Power Supply

TRUCKS

27	CCA60	0,75	VIOLET/BROWN	Autodrop Sensor 4 Supply Ground
29	CDC06	0,75	VIOLET/WHITE	
30	LDC39C	0,75	VIOLET/GREY	Tachograph Power Supply KL30
33	RCA54	0,75	GREY/VIOLET	DRIVE LEFT VALVE GROUND
34	RCA50	0,75	GREY/YELLOW	PCV Left Valve Ground
36	CCA54	0,75	VIOLET/GREEN	DRIVE LEFT INLET VALVE
37	CAT12	1,5	BLUE/GREY	Spare
38	CAT13	1,5	GREEN/ORANGE	Spare
39	ZA201	0,75	ORANGE	Low Pressure Switch
40	VCA49	0,75	VIOLET	VAL PR CON. DRIVE AXLE LEFT IN
46	RAT09	0,75	WHITE/RED	Trailer Lifting Solenoid Output
47	VCF36	0,75	YELLOW/GREEN	CT Transfer Case Relay
48	RAT10	0,75	WHITE/BLUE	Trailer Lifting Solenoid Output
49	RCF10	0,75	VIOLET/GREEN	CT Transfer Case Relay Output
50	RCL18A	0,75	VIOLET/WHITE	ECAS Front Solenoid 2 Output
51	CCF01B	0,75	BROWN	Tag Axle Low Liner Switch
54	SBP62A	0,75	BROWN/RED	TPMS Power Supply KL30
55	CBP61C	0,75	BLUE/GREY	TPMS Power Supply KL15
56	VDB25TB	0,75	GREEN/ORANGE	VCAN 2+
57	VDB26TB	0,75	GREY/BLUE	VCAN 2-
58	VDB25TD	0,75	GREEN/ORANGE	VCAN 2+
59	VDB26TD	0,75	GREY/BLUE	VCAN 2-

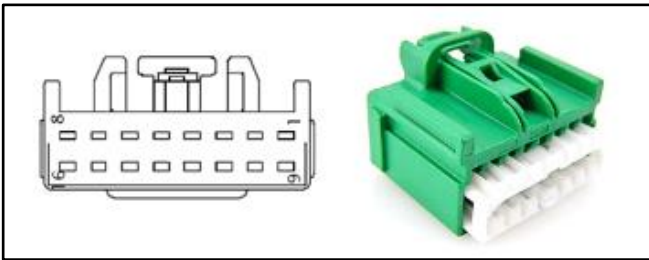


Con. Code	C12-A (Without Band)			
Con. Desc.	14398 INLINER (1)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	CE356	0,75	BLUE/ORANGE	DNOX Module Heater Signal

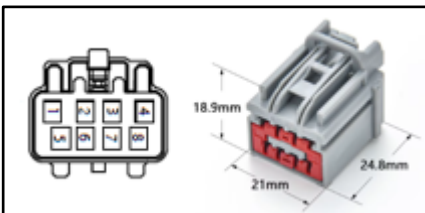
TRUCKS

3	A_CCB10A	0,75	YELLOW/GREEN	Engine Brake Demand Switch
4	CE103	0,75	BLUE/BROWN	Power Supply
8	CMC14	0,75	BROWN/YELLOW	Oil Pressure Warning LED 2
10	VE356	0,75	GREY/VIOLET	Power Supply
11	LE423Z	0,75	GREEN/VIOLET	OBD Lamp Supply
12	VDB30F	0,75	WHITE/GREEN	VCAN -
13	VDB29F	0,75	GREEN/BLUE	VCAN +
14	CH401	0,75	VIOLET/WHITE	CH401
15	VDB28A	0,75	WHITE /GREEN	ECM FLASH CAN -
16	VDB27A	0,75	GREY/VIOLET	ECM FLASH CAN +
18	CES06A	0,75	BLUE/GREEN	Cruise Control Set Minus Switch
22	ZA119	1	ORANGE/BLUE	Reverse Gear Lamp
23	GD108E	2,5	BLACK/VIOLET	Battery Ground
24	CBP22	1	GREEN/ORANGE	Lighting Power Supply
25	CBP23A	0,75	BROWN/YELLOW	Vehicle Control Unit KL15
26	CET36C	0,75	VIOLET/ORANGE	Vehicle Control Unit Wake Up
28	CDC33A	0,75	VIOLET/GREEN	Vehicle Control Unit KL75
29	SBP49	4	RED	Trailer Connector Magnetic Valve+ 1
30	SBP11	4	BLUE/RED	Vehicle Control Unit KL30
31	SBP34	4	YELLOW/RED	Battery Power Supply KL30
33	RCS06B	1	BROWN/VIOLET	Yaw Rate Sensor Ground
34	B_VCA24A	1	GREEN/ORANGE	Yaw Rate Sensor CANB L
35	VCA42B	1	VIOLET/ORANGE	Yaw Rate Sensor CANB H
36	VCA41B	1	VIOLET/GREEN	Yaw Rate Sensor CANB L
37	CAT04A	1,5	VIOLET/ORANGE	Trailer Connector Warning Device
43	VDN04J	0,75	VIOLET/WHITE	Rear Parking Aid LIN
44	VMP19A	0,75	WHITE/GREEN	Rear Parking Aid VID +
45	RMP19A	0,75	BLUE/GREY	Rear Parking Aid VID -
46	DMP19C	0,75	BLACK	VID D KL31
47	CBB47	0,5	GREEN/BLUE	Power Supply
48	ZA321	0,75	ORANGE/GREY	Cabin Tilting
49	VMC39	0,75	BLUE	Vehicle Speed Sensor Tachograph
50	VCB35	0,75	BROWN/WHITE	Vehicle Speed Sensor Hall
51	RCB36	0,75	YELLOW/BLUE	Vehicle Speed Sensor Ground
52	CCB36	0,75	BLUE/GREY	Vehicle Speed Sensor Power
55	CLS25B	0,75	YELLOW/VIOLET	Right Turning Lamps
56	CLS21B	0,75	BLUE/GREEN	Left Turning Lamps
57	VE702	0,75	BLUE/WHITE	Accelerator Pedal Position Sensor 2 Ground
58	VE804	0,75	GREEN/BROWN	Accelerator Pedal 2 Sensor Supply

TRUCKS

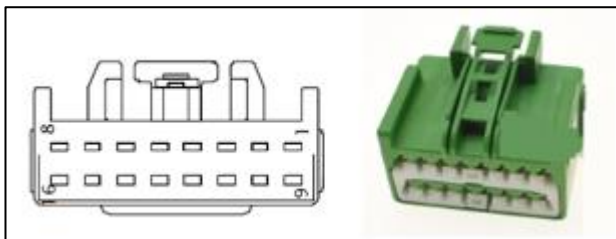


Con. Code	C24-A			
Con. Desc.	14B258 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP57A	1,5	BROWN/RED	Power Supply KL30
4	B_GD116A	1,5	BLACK/VIOLET	Ground
9	VCA45A	0,35	GREY/ORANGE	LIN BUS
10	CE515	0,75	YELLOW/GREY	Fuel Pump
11	CDC06G	0,35	VIOLET/WHITE	D+ Alternator

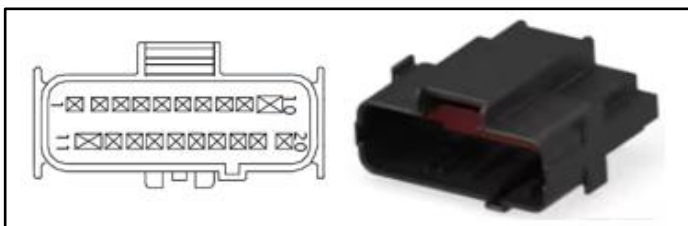


Con. Code	C25-A			
Con. Desc.	14A584-A INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPW34C	1,5	BLUE	Power Window Left Up Relay
2	CPL11A	1	GREY/BROWN	Door Unlock 12V Relay
3	CPL13A	1	BROWN/GREEN	Door Lock 12V Relay
4	CPW35C	1,5	GREEN	Power Window Left Down Relay
5	CPL42A	1	GREY/YELLOW	Gear Shift Down Switch
6	CPL43A	1	VIOLET/GREY	Gear Shift Up Switch
7	VME07T	0,75	WHITE	SPEAKER LEFT FRONT +
8	RME07T	0,75	WHITE/BROWN	SPEAKER LEFT FRONT -

TRUCKS



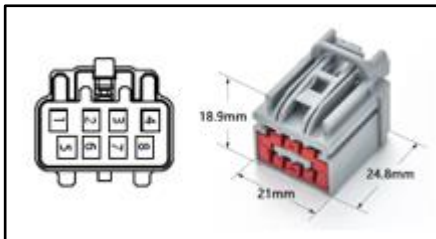
Con. Code	C19-A			
Con. Desc.	15A404 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN83E	0,35	GREY/BLUE	Dome Light Supply
2	SBP38	0,5	BROWN/RED	Lamp Power Supply
3	CPR22A	0,75	WHITE/BROWN	Sunroof Motor Close Supply
4	CPR39A	0,75	VIOLET/WHITE	Sunroof Motor Open Supply
5	CBP46E	1	WHITE/BLUE	Right Marker
6	CLN16	0,75	YELLOW/ORANGE	Roof Markers
7	CLN19	0,5	GREEN/WHITE	Map Lamp PWM Supply Left
8	CBP48D	1	GREY/YELLOW	Left Marker
9	MAH30C	0,5	BROWN/WHITE	AUX HEATER INPUT
10	MAH31C	0,5	VIOLET/GREY	AUX HEATER
11	CLN20	0,5	GREY/BROWN	Map Lamp PWM Supply Right
13	CDC18	1	YELLOW/ORANGE	Roof Beacon
14	CBP59A	0,75	BROWN/WHITE	Power Supply KL15
15	VDN03A	0,5	GREY/VIOLET	BLIS LAMP LIN



Con. Code	C19-D			
Con. Desc.	15A404 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP10	0,75	YELLOW/RED	POWER SUPPLY
2	CBP52	1	GREEN/WHITE	ILLUMINATION POWER SUPPLY
3	CBP09	0,75	VIOLET/GREY	TACHO GROUND

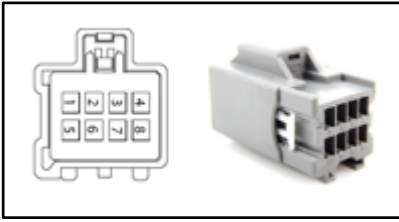
TRUCKS

4	CCB36	0,35	BLUE/GREY	SENSOR SUPPLY
5	RCB36	0,35	YELLOW/BLUE	SENSOR GROUND
6	VCB35	0,35	BROWN/WHITE	SP SEN RT (HALL SIG)
7	VMC39	0,35	BLUE	SP SEN RT (TACH SIG)
8	VMC39T	0,35	BLUE	SPEED PULSE OUTPUT
9	SBP12	0,75	RED	TACHO POWER SUPPLY KL30
10	GD108E	1,5	BLACK/VIOLET	BATTERY GROUND
12	VDB04CD	0,5	WHITE/BLUE	V_CAN1(+)
13	VDB05CD	0,5	WHITE	V_CAN1(-)
14	VMM23B	0,5	BROWN/VIOLET	MIC +
15	RMM23B	0,5	WHITE/GREEN	MIC -
16	DMM23C	0,75	GREY	GROUND
17	VDB04CE	0,5	WHITE/BLUE	V_CAN1(+)
18	VDB05CE	0,5	WHITE	V_CAN1(-)
19	B_GD184A	0,75	BLACK/GREY	IGNITION GROUND

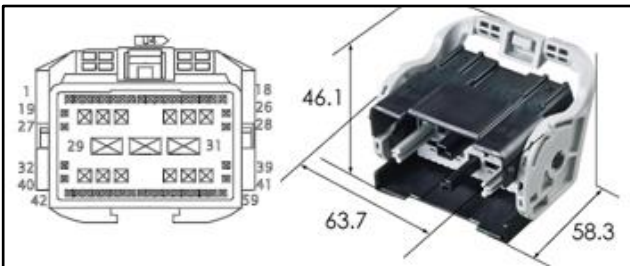


Con. Code	C26-A			
Con. Desc.	14A584-B INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPW41A	1,5	GREY/YELLOW	Power Window Right Up Relay
2	CPL11B	0,5	GREY/BROWN	Door Unlock 12V Relay
3	CPL13B	0,5	BROWN/GREEN	Door Lock 12V Relay
4	CPW40A	1,5	WHITE	Power Window Right Down Relay
5	CPL42B	0,35	GREY/YELLOW	Gear Shift Down Switch
6	CPL43B	0,35	VIOLET/GREY	Gear Shift Up Switch
7	VME10S	0,75	WHITE	SPEAKER RIGHT FRONT +
8	RME10S	0,75	WHITE/BROWN	SPEAKER RIGHT FRONT -

TRUCKS



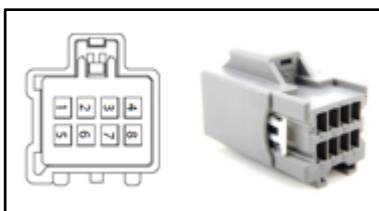
Con. Code	C25-C			
Con. Desc.	14A584-A INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	VPW39A	0,35	BLUE/WHITE	Hall Sensor Left Supply
4	VPW38A	0,35	YELLOW/BLUE	Hall Sensor Left GND
5	VPW98A	0,35	BLUE/WHITE	Power Window Direction Left Hall Sensor
6	VDB02B	0,5	GREEN/ORANGE	LIN BUS
7	SBB75	0,5	YELLOW/GREY	Power Supply 12V KL30
8	X_SBP24	0,75	VIOLET/RED	Power Supply Aux Fuse Box



Con. Code	C12-E			
Con. Desc.	14B242 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	X_CBP19	1	BROWN/WHITE	MOTOR-WIPER FRONT POWER SUPPLY
2	CRW08C	1	VIOLET/ORANGE	WiperHighRelay
3	SBP57B	1	RED	Power Supply KL30
4	CRW10	1	VIOLET/ORANGE	WiperLowRelay
5	CRW25	0,75	BLUE/GREY	Wiper Park Position Switch
5	CBP48L	0,75	GREY/YELLOW	LAMPS-TAIL LEFT
6	CRW24	1	GREY	WasherForwardSupply
7	CLS21A	0,5	BLUE/GREEN	TURN LAMP LEFT FRONT
8	CLF04A	0,75	BROWN/BLUE	BEAM LOW RIGHT
9	VE715	0,35	VIOLET/WHITE	LOW COOLANT LVL

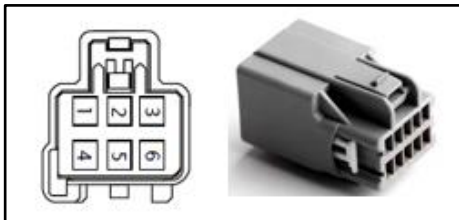
TRUCKS

10	CBP48	0,75	GREY/YELLOW	POSITION LIGHT RIGHT
11	CLF03A	0,75	VIOLET/ORANGE	HighBeamSupply
11	CLS25A	0,75	YELLOW/VIOLET	TURN LAMP RIGHT FRONT
12	RLF26A	0,35	GREY/YELLOW	SWITCH HEADLAMP LEVELING
13	CLF61A	0,75	GREY/BLUE	DDRLSupply
14	CLF05A	0,75	BLUE/GREEN	LowBeamRightSupply
15	CLS25A	0,75	YELLOW/VIOLET	TURN LAMP RIGHT FRONT
16	VLF90A	0,75	BLUE/GREEN	LAMP-FOG
16	ZA155D	0,5	ORANGE/WHITE	SWITCH-BRAKE PEDAL
16	ZA115G	0,5	ORANGE/WHITE	PCV DRIVE LEFT VALVE GND
17	CDC06C	0,35	VIOLET/WHITE	D+ ALTERNATOR
18	CBB77A	0,5	WHITE	HEADLAMP POWER SUPPLY
19	CLF29A	0,75	BROWN	FogLampFrontLeftSupply
20	CCA29	0,35	GREEN/BLUE	FOOT BRAKE MODULE SWITCH
21	CHF06	0,5	VIOLET/GREEN	A/C BLOWER 2 RELAY
22	VLN40	0,5	YELLOW/BLUE	StepLightsSupply
23	CLS21CA	0,75	BLUE/GREEN	TurnFront&SideLeftSupply
24	CLS25CA	0,75	YELLOW/VIOLET	TurnFront&SideRightSupply
25	RCA30	0,35	BLUE	FOOT BRAKE MODULE GROUND
25	ZA390	0,5	ORANGE/YELLOW	PRESSURE SENSOR 3
26	ZA390G	0,75	ORANGE/YELLOW	SENSOR - PRESSURE REAR SN PRESS VC
26	VCA43	0,35	WHITE/GREEN	FOOT BRAKE MODULE SIGNAL 2
26	VCA13	0,5	YELLOW/BLUE	PRESSURE SENSOR 1
27	VCA13G	0,75	YELLOW/BLUE	LIN BUS 2
28	VCA45B	0,35	GREY/ORANGE	FUEL PUMP
29	VE518	0,75	BROWN/WHITE	SENSOR - PRESSURE REAR SN PRESS REAR
29	VCA30	0,35	YELLOW/VIOLET	FOOT BRAKE MODULE SIGNAL 1
29	RCA16	0,5	BLUE/BROWN	PRESSURE SENSOR 2
30	RCA16G	0,75	BLUE/BROWN	SENSOR - PRESSURE REAR SN PRESS FRONT
30	LCA30	0,35	GREY/ORANGE	FOOT BRAKE MODULE SUPPLY

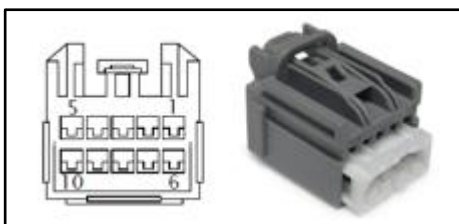

Con. Code
C26-C

TRUCKS

Con. Desc.	14A584-B INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	VLN04D	0,35	VIOLET/GREY	SteeringColumnSwitchIlluminationSupply
3	VPW44A	0,35	BLUE/ORANGE	HallSensorRightGND
4	CPW20A	0,35	WHITE/ORANGE	PowerWindowPASSUpSwitch
5	CPW19A	0,35	VIOLET/BROWN	PowerWindowPASSDownSwitch
6	VPW45A	0,35	GREEN/WHITE	HallSensorRightSupply
7	VPW99A	0,35	YELLOW/VIOLET	PowerWindowDirectionRightHallSensor

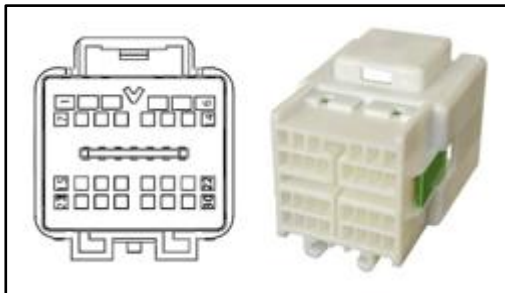


Con. Code	C26-B			
Con. Desc.	14A584-B INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	MPM06A	0,75	BROWN	MainRight Passenger Window BCM
2	MPM48A	0,75	YELLOW/GREEN	MainRightMirrorRightCtrl
3	MPM46A	0,75	VIOLET/GREEN	MainRightMirrorUpCtrl
4	CRD17B	0,75	GREY	Mirror Heater Relay
5	A_GD186S	1	BLACK/BLUE	SWITCH POWER WINDOW RHS GROUND
6	A_GD285KB	0,75	BLACK/WHITE	MIRROR(PASSENGER) GROUND
6	A_GD285KC	0,75	BLACK/WHITE	MIRROR(DRIVER) GROUND
7	CLN28B	0,5	GREEN/BLUE	DoorAjarRightSwitch



TRUCKS

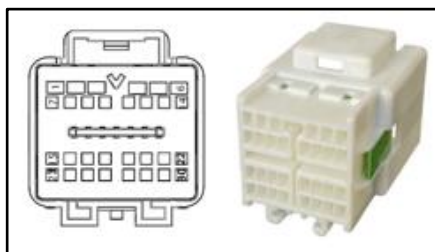
Con. Code	C25-B			
Con. Desc.	14A584-A INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	MPM03A	0,75	BROWN/YELLOW	MainLeftMirrorDownLeftCtrl
2	MPM47A	0,75	YELLOW	MainLeftMirrorRightCtrl
3	MPM45A	0,75	BLUE	MainLeftMirrorUpCtrl
4	CRD17A	0,75	GREY	HeatedMirrorSupply
5	A_GD186T	1	BLACK/BLUE	Switch - Power Window&Mirrors LHS Ground
7	CLN28A	0,5	GREEN/BLUE	DoorAjarLeftSwitch



Con. Code	C22-F			
Con. Desc.	14A320-A INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CHP05	0,35	YELLOW/ORANGE	INTERLOCK/SELF STEER/TRACTION HELP INPUT
2	CPR78A	0,35	VIOLET/ORANGE	INTERLOCK/SELF STEER/TRACTION HELP OUTPUT
3	A_GD184AZ	0,75	BLACK/GREY	SWITCH GROUND
4	CLN04AZ	0,75	BLUE/BROWN	InteriorLightDimmingSupply
5	RCA21A	0,35	BLUE/ORANGE	DIFF.LOCK SW INPUT
6	VCA07A	0,35	BLUE/ORANGE	DIFF.LOCK SW OUTPUT
7	A_GD184G	0,35	BLACK/GREY	TAG AXLE/LOW LINER SW GROUND
8	CH427B	0,35	BROWN	SWITCH-AC COMPRESSOR CLUTCH OUTPUT 2
9	CCF27D	0,35	GREY	LOW LINER SWITCH
11	A_VE925B	0,35	GREEN/WHITE	PTO FUNC.ILL.
12	A_CE913	0,35	BLUE	SWITCH-POWER TAKE OFF (PTO) OUTPUT
16	CBP19B	0,35	BROWN/WHITE	SWITCH-AC RECIRCULATION & AC COMPRESSOR INPUT

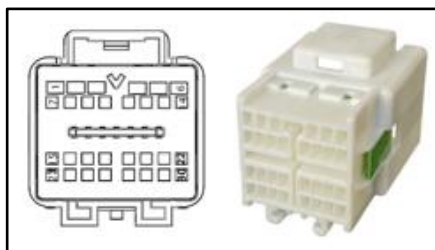
TRUCKS

17	CH421A	0,5	GREY	SWITCH-AC COMPRESSOR CLUTCH OUTPUT
18	CH424A	0,5	WHITE/BLUE	SWITCH-AC RECIRCULATION OUTPUT
19	B_GD184R	0,5	BLACK/GREY	SWITCH-AC COMPRESSOR CLUTCH INPUT 2
20	VRD23F	0,5	YELLOW/BLUE	SWITCH-HEATED WINDSHIELD /TO TRAILER TAG AXLE SW./TO RSA SW INPUT
21	CRD08D	0,35	GREEN/ORANGE	SWITCH-HEATED WINDSHIELD /TO TRAILER TAG AXLE SW./TO RSA SW OUTPUT
22	CRD17C	0,35	GREY	SWITCH-MANUEUVERING INPUT
23	ZA101A	0,35	ORANGE	SWITCH-MANUEUVERING OUTPUT
24	MAH30A	0,5	BROWN/WHITE	AUX HEATER INPUT / INSTRUMENT CLUSTER
25	MAH32A	0,5	GREY	AUX HEATER INPUT2 / INSTRUMENT CLUSTER
26	MAH31A	0,5	VIOLET/GREY	AUX HEATER / INSTRUMENT CLUSTER



Con. Code	C22-G			
Con. Desc.	14A320-B INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	A_GD184BQ	0,75	BLACK/GREY	Ground
4	CLN04BQ	0,75	BLUE/BROWN	InteriorLightDimmingSupply
8	VLN37B	0,35	BLUE/WHITE	ESP Switch Illumination / Instrument Cluster
9	CCA58E	0,35	YELLOW/GREEN	OFFROAD-ESP SWITCH
10	CCB09B	0,35	GREY/BLUE	DPFInhibitSwitch
11	RBC37B	0,35	BROWN/BLUE	DPFManuelRegenSwitch
13	CBP20AT	0,35	YELLOW/VIOLET	Power Supply
14	CLN17B	0,35	GREEN/WHITE	TSR Switch Illumination / Instrument Cluster
15	CCB11B	0,35	BLUE	AEBS Deactivation Switch
18	MAT50A	0,35	YELLOW/VIOLET	Module EBS / 10
19	MCA50A	0,35	WHITE/BROWN	Module EBS / 11
22	CBP20AE	0,35	YELLOW/VIOLET	Power Supply
23	ZA146B	0,35	GREEN/WHITE	Auxiliary Fusebox R04-86

TRUCKS

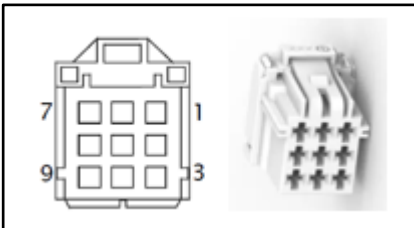


Con. Code	C22-H			
Con. Desc.	14A320-C INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE943A	0,35	GREY/VIOLET	RockingSwitch
2	CE942A	0,35	WHITE/GREEN	PowerOFFroadSwitch
3	A_GD184CQ	0,75	BLACK/BLUE	SWITCH GROUND
4	CLN04CQ	0,75	BLUE/BROWN	InteriorLightDimmingSupply
5	ME942A	0,35	BROWN/WHITE	ManeuveringSwitchIlluminationSupply
6	ME941A	0,35	YELLOW/VIOLET	Maneuvering Switch
11	MCA30B	0,35	VIOLET/GREEN	SWITCH-BLENDING OUTPUT 1 FUNC. ILL
12	CDC36B	0,35	GREEN/BROWN	SWITCH-BLENDING OUTPUT
13	CBP20CB	0,35	YELLOW/VIOLET	Power Supply
17	MAT61A	0,35	WHITE/VIOLET	SWITCH-HEATED WINDSHIELD /TO TRAILER TAG AXLE SW./TO RSA SW OUTPUT
24	MCB47A	0,35	VIOLET/ORANGE	SWITCH-HILL HOLDER OUTPUT
25	MCB48A	0,35	GREY/YELLOW	SWITCH-HILL HOLDER FUNC. ILL

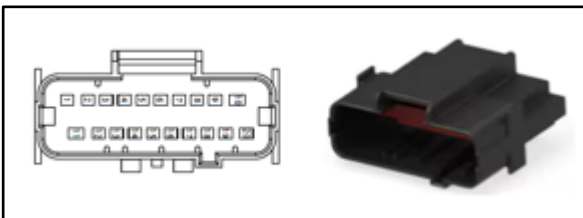


Con. Code	C12-L			
Con. Desc.	14A440 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CR150B	0,35	BLUE/ORANGE	PASSENGER SEAT BELT WARNING
2	B_GD114L	0,35	BLACK/BLUE	PASSENGER SEAT BELT SENSOR GROUND

TRUCKS



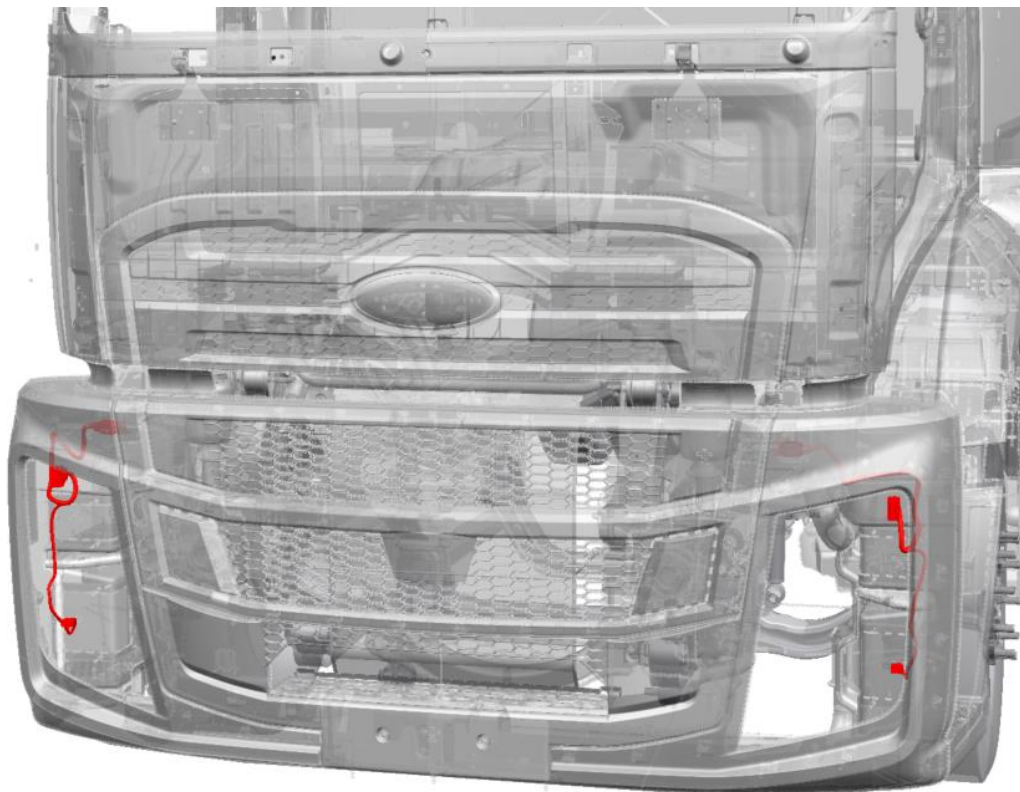
Con. Code	C12-M			
Con. Desc.	3D096 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP39	0,5	WHITE/RED	MODULE-ERA GLONASS POWER SUPPLY KL30
2	A_GD114L	0,5	BLACK/BLUE	MODULE-ERA GLONASS GROUND
3	CBP31B	0,5	BLUE/ORANGE	MODULE-ERA GLONASS POWER SUPPLY KL15
4	ZA135B	0,35	ORANGE/BLUE	MODULE-ERA GLONASS MUTE +
5	VMR33EA	0,5	YELLOW/GREY	I_CAN +
6	VMR34EA	0,5	WHITE/BROWN	I_CAN -
8	CLN04BN	0,35	BLUE/BROWN	MODULE-ERA GLONASS DIMMING



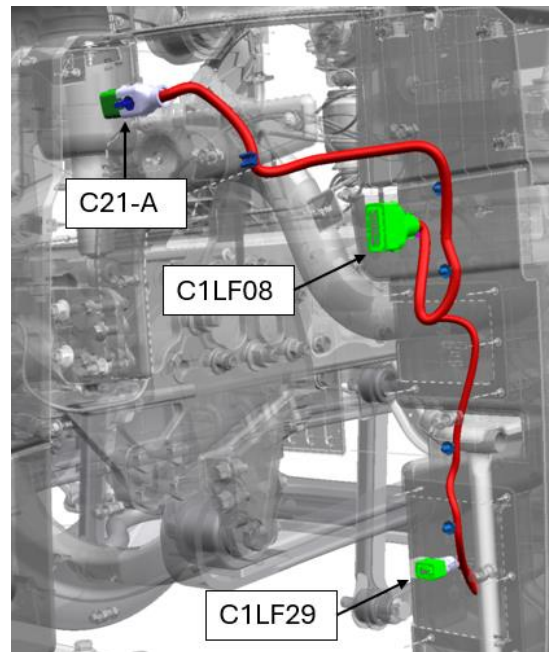
Con. Code	C2_1			
Con. Desc.	CONNECTOR-AFTERMARKET CABIN			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	CBP80E	1	YELLOW/GREEN	Power Supply KL15
3	SBP81B	1	RED	Power Supply KL30
4	B_GD116B	1	BLACK/VIOLET	GROUND
5	VES10C	0,35	WHITE	Cruise Control Set Plus Switch
6	CES06C	0,35	BLUE/GREEN	Cruise Control Set Minus Switch
7	CRH02A	1	BLUE/WHITE	Horn
8	CLN39A	0,35	BROWN/WHITE	ForwardDrivingSwitch(EmergencySwitch)
9	VMC39T	0,35	BLUE	Speed Signal
10	CAT14	1	ORANGE	Engine Start

TRUCKS

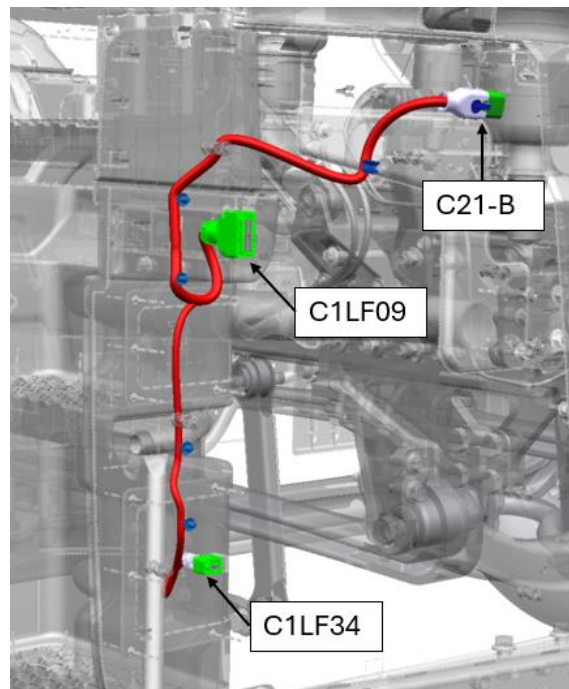
11	CLS44A	0,5	VIOLET/BROWN	Engine Stop
12	RCF36	0,75	VIOLET/BROWN	T.C. Available
13	CE619C	0,35	BLUE/BROWN	T.C. Acknowledge
14	CDC06H	0,5	VIOLET/WHITE	Alternator D+
14	CAT11	1	BROWN	Spare
15	VDC50	0,5	GREY/ORANGE	Alternator W
15	CAT10A	1	RED	Damper Input
16	B_GD116C	1	BLACK/VIOLET	GROUND
17	VMR33HA	0,5	YELLOW/GREY	I CAN (+)
18	VMR34HA	0,5	WHITE/BROWN	I CAN (-)
19	ZA323	0,5	ORANGE/BLACK	Movement Signal
20	CAT23	1	GREY/YELLOW	Spare

3.3.8. → 13N052 Bumper Wiring


C21-A, C1LF08, C1LF29 Connectors:

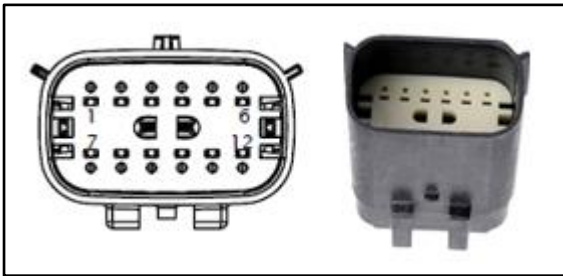


C21-B- C1LF09, C1LF34 Connectors:

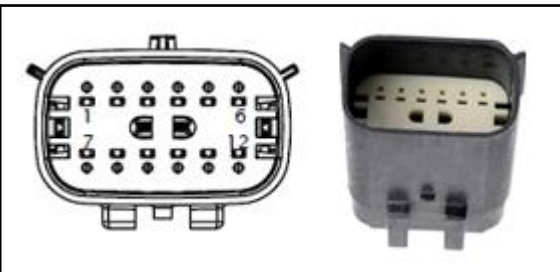


13N052→Bumper wiring connector descriptions:

TRUCKS



Con. Code	C21-B			
Con. Desc.	14B242 INLINER (13N052-RHS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LMP07N	0,75	BLUE/WHITE	POSITION LIGHT RIGHT
2	CLF03D	0,75	VIOLET/ORANGE	BEAM HIGH RIGHT
3	CLF05C	0,75	BLUE/GREEN	BEAM LOW RIGHT
4	CLF61M	0,75	GREY/BLUE	DAYTIMERUNNINGLIGHTRIGHT
5	RLF26G	0,75	GREY/YELLOW	MOTOR HEADLAMP LEVELING
6	VLF90C	0,75	BLUE/GREEN	BEAM FOG LAMP
7	GD120K	0,75	BLACK/GREEN	ASSEMBLY-HEADLAMP RHS GROUND
8	CBB77G	0,75	WHITE	MOTOR
9	CLS25L	0,75	BROWN/GREEN	TURN LAMP RIGHT FRONT



Con. Code	C21-A			
Con. Desc.	14B242 INLINER (13N052-LHS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LMP07Q	0,75	BLUE/WHITE	POSITION LIGHT RIGHT
2	CLF03G	0,75	VIOLET/ORANGE	BEAM HIGH RIGHT
3	CLF04C	0,75	BROWN/BLUE	BEAM LOW RIGHT
4	CLF61H	0,75	GREY/BLUE	DAYTIMERUNNINGLIGHTRIGHT
5	RLF26F	0,75	GREY/YELLOW	MOTOR HEADLAMP LEVELING
6	CLF29G	0,75	BLUE/GREEN	BEAM FOG LAMP
7	B_GD120K	1,5	BLACK/GREEN	ASSEMBLY-HEADLAMP LHS GROUND

TRUCKS

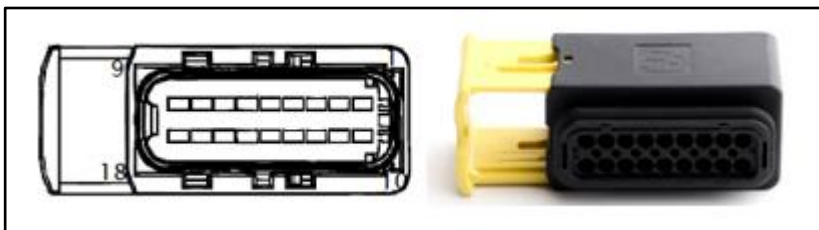
8	CBB51F	0,75	GREY/BROWN	MOTOR
9	CLS21F	0,75	GREEN/BLUE	TURN LAMP LEFT FRONT



Con. Code	C1LF29			
Con. Desc.	LAMP-FOG (13N052 LHS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLF29G	0,75	BLUE/GREEN	BEAM FOG LAMP LHS
2	B_GD120R	0,75	BLACK/GREEN	GROUND



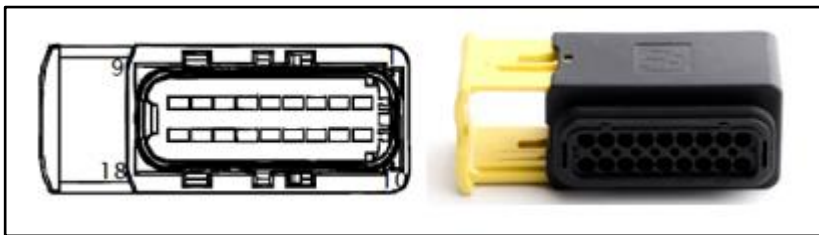
Con. Code	C1LF34			
Con. Desc.	LAMP-FOG (13N052 RHS)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VL90C	0,75	BLUE/GREEN	BEAM FOG LAMP RHS
2	GD120R	0,75	BLACK/GREEN	GROUND



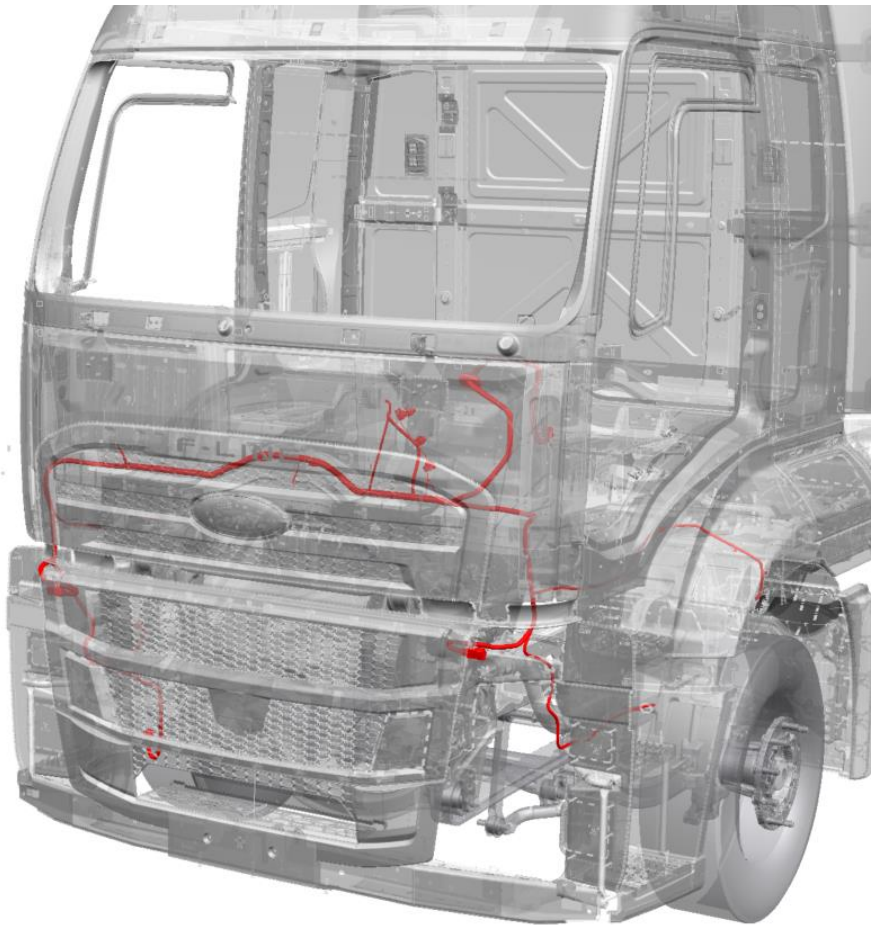
Con. Code	C1LF08			
Con. Desc.	ASSEMBLY - HEADLAMP LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

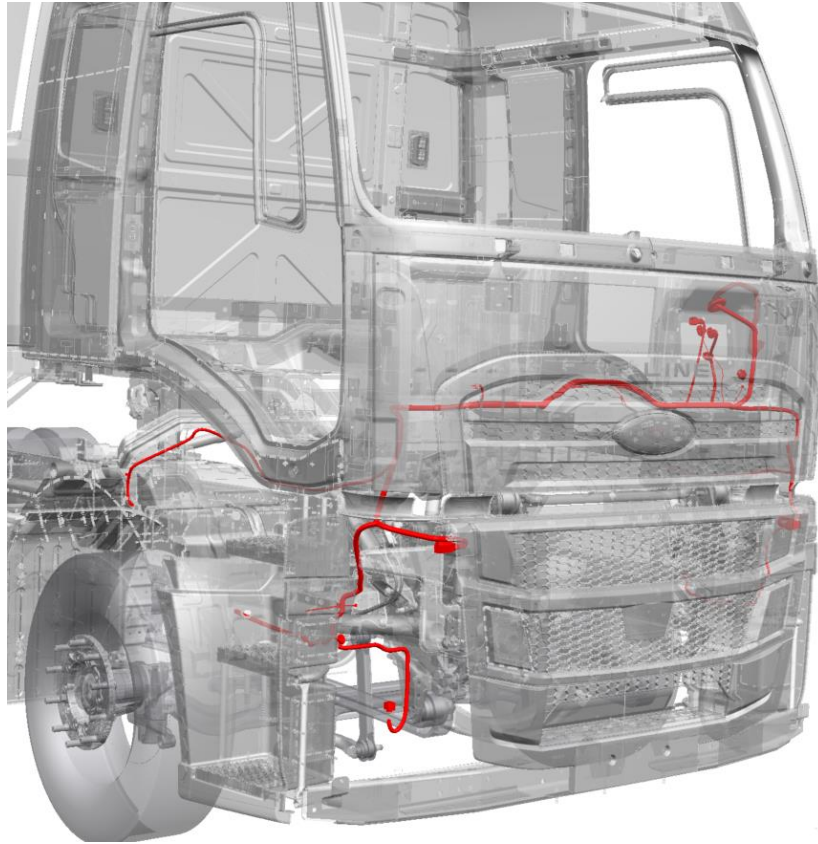
TRUCKS

1	LMP07Q	0,75	BLUE/WHITE	POSITION LIGHT RIGHT
2	CLF61H	0,75	GREY/BLUE	DAYTIME RUNNING LIGHT RIGHT
3	B_GD120P	0,75	BLACK/GREEN	GROUND
4	CLF03G	0,75	VIOLET/ORANGE	BEAM HIGH RIGHT
5	B_GD120L	0,75	BLACK/GREEN	GROUND
8	CLS21F	0,75	GREEN/BLUE	TURN LAMP RIGHT FRONT
9	B_GD120Z	0,75	BLACK/GREEN	GROUND
10	CBB51F	0,75	GREY/BROWN	MOTOR
11	RLF26F	0,75	GREY/YELLOW	MOTOR HEADLAMP LEVELING
12	B_GD120N	0,75	BLACK/GREEN	GROUND
13	CLF04C	0,75	BROWN/BLUE	BEAM LOW RIGHT
14	B_GD120M	0,75	BLACK/GREEN	GROUND



Con. Code	C1LF09			
Con. Desc.	ASSEMBLY - HEADLAMP RHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LMP07N	0,75	BLUE/WHITE	POSITION LIGHT LEFT
2	CLF61M	0,75	GREY/BLUE	DAYTIME RUNNING LIGHT LEFT
3	GD120J	0,75	BLACK/GREEN	GROUND
4	CLF03D	0,75	VIOLET/ORANGE	BEAM HIGH LEFT
5	GD120P	0,75	BLACK/GREEN	GROUND
8	CLS25L	0,75	GREEN/BLUE	TURN LAMP LEFT FRONT
9	GD120E	0,75	BLACK/GREEN	GROUND
10	CBB77G	0,75	GREY/BROWN	MOTOR
11	RLF26G	0,75	GREY/YELLOW	MOTOR HEADLAMP LEVELING
12	GD120N	0,75	BLACK/GREEN	GROUND
13	CLF05C	0,75	BROWN/BLUE	BEAM LOW LEFT
14	GD120M	0,75	BLACK/GREEN	GROUND

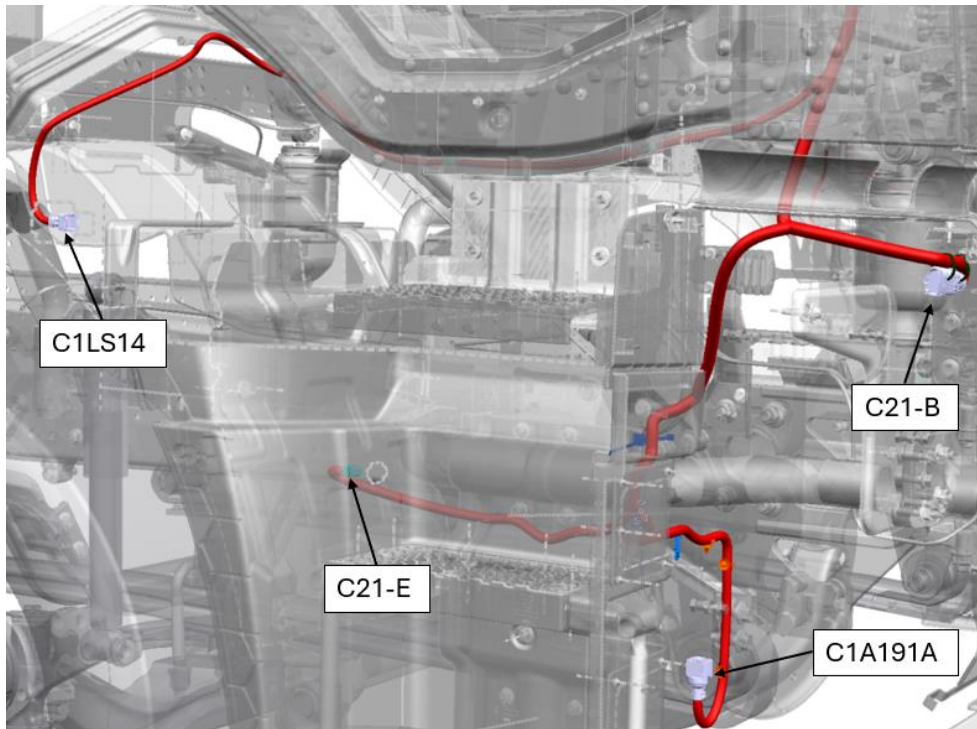
3.3.9. 14B242 → Front Under Hood Wiring



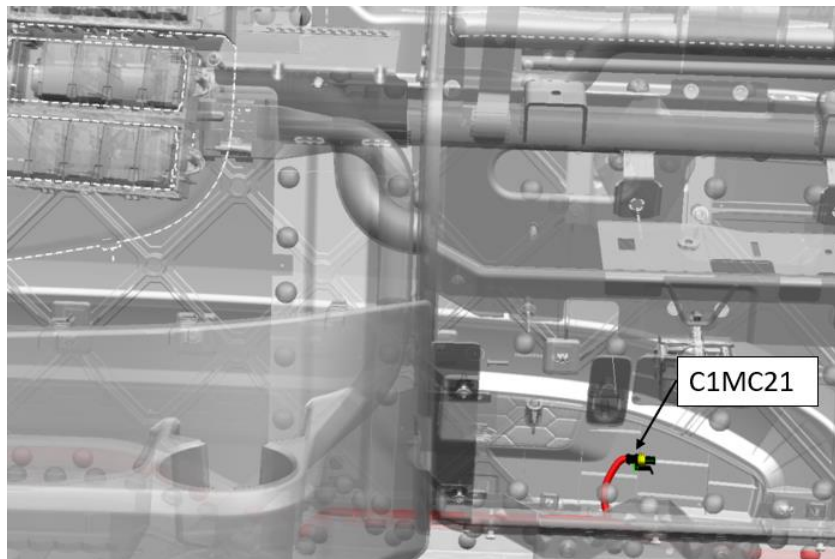
C21-A, C21-D, C1LS13 Connectors:



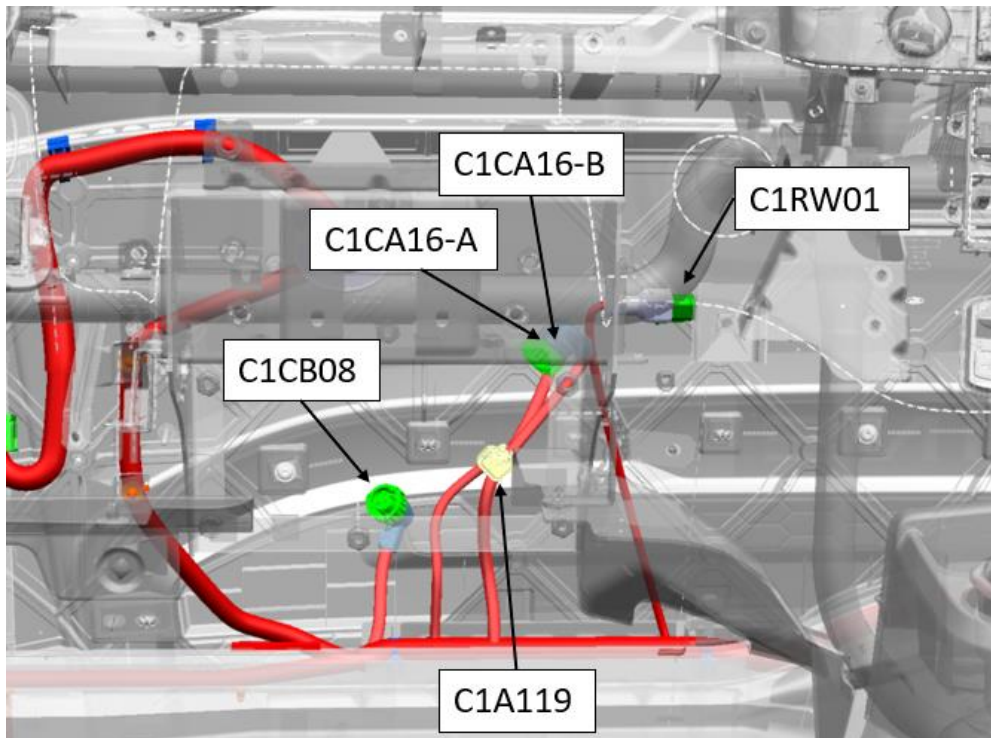
C21-B, C21-E, C1LS14, C1A191A Connectors:



C1MC21 Connector:

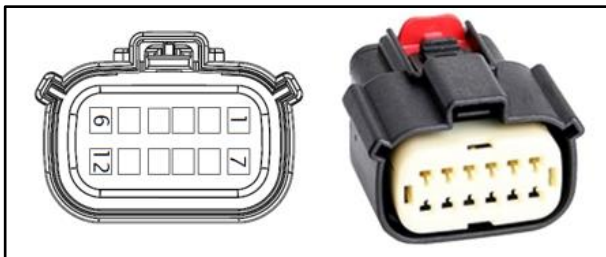


C1CB08, C1A119, C1CA16-A, C1CA16-B, C1RW01 Connectors:

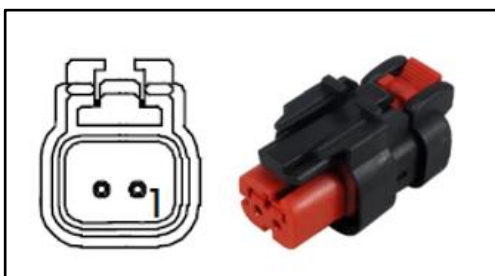


TRUCKS

14B242 → Front under hood wiring connector descriptions:

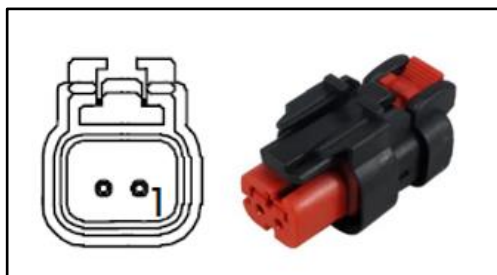


Con. Code	C21-B			
Con. Desc.	13N052-RHS INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LMP07B	0,75	BLUE/WHITE	POSITION LIGHT RIGHT
2	CLF03C	0,75	VIOLET/ORANGE	BEAM HIGH RIGHT
3	CLF05B	0,75	BLUE/GREEN	BEAM LOW RIGHT
4	CLF61D	0,75	GREY/BLUE	DAYTIMERUNNINGLIGHTRIGHT
5	RLF26E	0,75	GREY/YELLOW	MOTOR HEADLAMP LEVELING
6	VLF90B	0,75	BLUE/GREEN	BEAM FOG LAMP
7	A_GD120A	0,75	BLACK/GREEN	ASSEMBLY-HEADLAMP RHS GROUND
8	CBB77E	0,75	WHITE	MOTOR
9	CLS25A	0,75	BROWN/GREEN	TURN LAMP RIGHT FRONT



Con. Code	C21-E			
Con. Desc.	TO STEP LAMP (13B712-AD)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD120C	0,75	BLACK/GREEN	GROUND
2	VLN40BB	0,75	YELLOW/BLUE	STEP LIGHTS SUPPLY

TRUCKS



Con. Code	C21-D			
Con. Desc.	TO STEP LAMP (13B712-A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_GD120C	0,75	BLACK/GREEN	GROUND
2	VLN40BA	0,75	YELLOW/BLUE	STEP LIGHTS SUPPLY

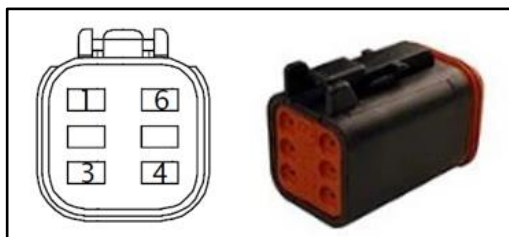


Con. Code	C1LS14			
Con. Desc.	TO LAMP-FRONT TURN SIGNAL AUX RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS25CA	0,75	YELLOW/VIOLET	Turn Front & Side Right Supply
2	A_GD120BA	0,75	BLACK/GREEN	Ground



Con. Code	C1LS13			
Con. Desc.	TO LAMP FRONT TURN SIGNAL AUX LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS21CA	0,75	BLUE/GREEN	Turn Front & Side Left Supply
2	B_GD120BA	0,75	BLACK/GREEN	Ground

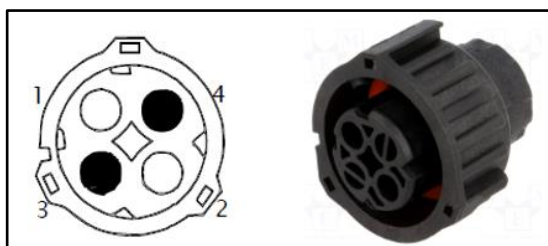
TRUCKS



Con. Code	C1RW01			
Con. Desc.	TO MOTOR-WIPER FRONT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	X_CBP19	1,5	BROWN/WHITE	Power Supply KL15
2	CRW08A	1,5	VIOLET/ORANGE	Wiper High Relay
3	B_GD123D	2,5	BLACK/GREY	Groundss
4	CRW10A	1,5	BLUE/GREEN	Wiper Low Relay
5	CRW25	1	BLUE/GREY	Wiper Park Position Switch



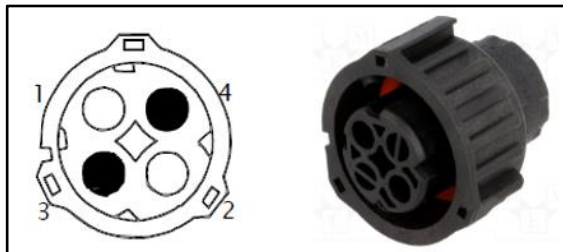
Con. Code	C1RW14			
Con. Desc.	TO PUMP-WASHER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CRW24B	1,5	GREY	Washer Forward Supply
2	B_GD123B	1,5	BLACK/GREY	Ground



Con. Code	C1CB08			
Con. Desc.	SWITCH BRAKE PEDAL			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

TRUCKS

1	ZA115D	0,75	GREY	Brake Light 1 Relay R15-01
2	B_GD123T	0,75	BLACK/GREY	Ground



Con. Code	C1CB08-B			
Con. Desc.	SWITCH BRAKE PEDAL B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA115DA	0,75	ORANGE/BLACK	Brake Light 1 Relay R15-01
2	B_GD123TA	0,75	BLACK/GREY	Ground



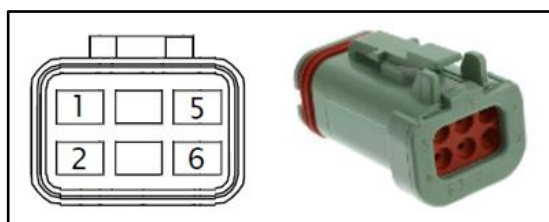
Con. Code	C1CA16-A			
Con. Desc.	SENSOR - PRESSURE FRONT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA13A	0,75	GREEN	SN PRESS VC
2	LCA16	0,75	GREEN	SN PRESS FRONT
4	ZA390A	0,75	ORANGE/YELLOW	SN PRESS ZA



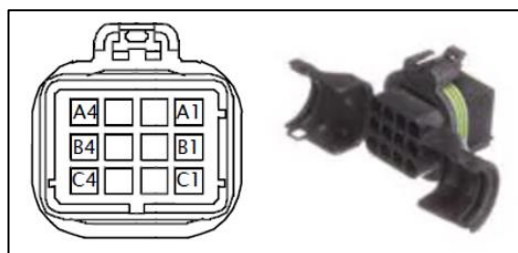
Con. Code	C1CA16-B			
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TRUCKS

Con. Desc.	SENSOR-PRESSURE REAR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCA13B	0,75	GREEN	SN PRESS VC
2	RCA16	0,75	GREEN	SN PRESS REAR
4	ZA390B	0,75	ORANGE/YELLOW	SN PRESS ZA



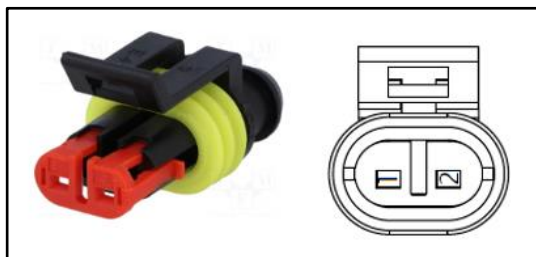
Con. Code	C1A119			
Con. Desc.	MODULE FOOT BRAKE			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCA30	0,75	BLUE	Foot Brake Module Ground
2	LCA30	0,75	GREY/ORANGE	Foot Brake Module Supply
4	VCA30	0,75	YELLOW/VIOLET	Foot Brake Module Signal 1
5	VCA43	0,75	WHITE/GREEN	Foot Brake Module Signal 2
6	CCA29	0,75	GREEN/BLUE	Foot Brake Module Switch 1



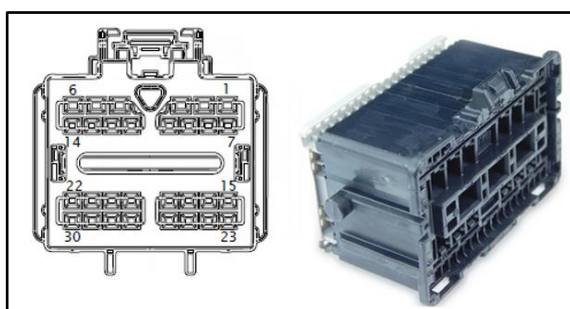
Con. Code	C1A191A			
Con. Desc.	TO MODULE-WET TYPE HEATER_A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
A1	VE518A	0,75	BROWN/WHITE	FUEL PUMP
A2	B_GD123F	1	BLACK/GREY	GROUND
A3	SBP57C	1	RED	Power Supply KL30
B4	VCA45D	0,75	GREY/ORANGE	LIN BUS 2
C1	CHF06A	0,75	VIOLET/GREEN	A/C BLOWER 2 RELAY R13-01

TRUCKS

C2	CDC06CA	0,75	VIOLET/WHITE	D+ ALTERNATOR
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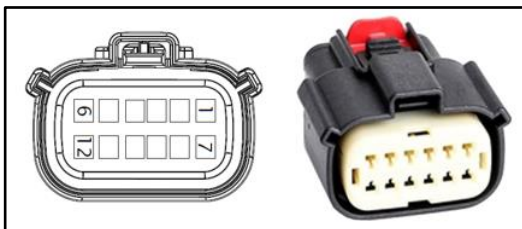
Con. Code	C1MC21			
Con. Desc.	TO SENSOR -LOW COOLANT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_GD123A	0,75	BLACK/GREY	Ground
2	VE715	0,75	VIOLET/WHITE	Low Coolant Level



Con. Code	C12-E			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	X_CBP19	1	BROWN/WHITE	MOTOR-WIPER FRONT POWER SUPPLY
2	CRW08A	1	VIOLET/ORANGE	WiperHighRelay
3	SBP57C	1	RED	Power Supply KL30
4	CRW10A	1	VIOLET/ORANGE	WiperLowRelay
5	CRW25	0,75	BLUE/GREY	Wiper Park Position Switch
6	CRW24B	1	GREY	WasherForwardSupply
7	CLS21A	0,5	BLUE/GREEN	TURN LAMP LEFT FRONT
8	CLF04B	0,75	BROWN/BLUE	BEAM LOW RIGHT
9	VE715	0,35	VIOLET/WHITE	LOW COOLANT LVL
10	LMP07A	0,75	GREY/YELLOW	POSITION LIGHT RIGHT

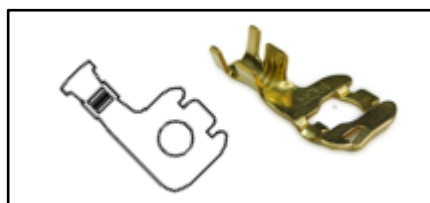
TRUCKS

11	CLF03A	0,75	VIOLET/ORANGE	HighBeamSupply
11	CLS25A	0,75	YELLOW/VIOLET	TURN LAMP RIGHT FRONT
12	RLF26C	0,35	GREY/YELLOW	SWITCH HEADLAMP LEVELING
13	CLF61A	0,75	GREY/BLUE	DDRLSupply
14	CLF05B	0,75	BLUE/GREEN	LowBeamRightSupply
15	CLS25A	0,75	YELLOW/VIOLET	TURN LAMP RIGHT FRONT
16	VLF90B	0,75	BLUE/GREEN	LAMP-FOG
16	ZA155D	0,5	ORANGE/WHITE	SWITCH-BRAKE PEDAL
16	ZA115DA	0,5	ORANGE/WHITE	PCV DRIVE LEFT VALVE GND
17	CDC06CA	0,35	VIOLET/WHITE	D+ ALTERNATOR
18	CBB77C	0,5	WHITE	HEADLAMP POWER SUPPLY
19	CLF29E	0,75	BROWN	FogLampFrontLeftSupply
20	CCA29	0,35	GREEN/BLUE	FOOT BRAKE MODULE SWITCH
21	CHF06A	0,5	VIOLET/GREEN	A/C BLOWER 2 RELAY
22	VLN40	0,5	YELLOW/BLUE	StepLightsSupply
23	CLS21CA	0,75	BLUE/GREEN	TurnFront&SideLeftSupply
24	CLS25CA	0,75	YELLOW/VIOLET	TurnFront&SideRightSupply
25	RCA30	0,35	BLUE	FOOT BRAKE MODULE GROUND
25	ZA390	0,5	ORANGE/YELLOW	PRESSURE SENSOR 3
25	ZA390G	0,75	ORANGE/YELLOW	SENSOR - PRESSURE REAR SN PRESS VC
26	VCA43	0,35	WHITE/GREEN	FOOT BRAKE MODULE SIGNAL 2
26	VCA13	0,5	YELLOW/BLUE	PRESSURE SENSOR 1
26	VCA13F	0,75	YELLOW/BLUE	LIN BUS 2
28	VCA45D	0,35	GREY/ORANGE	FUEL PUMP
29	VE518A	0,75	BROWN/WHITE	SENSOR - PRESSURE REAR SN PRESS REAR
29	VCA30	0,35	YELLOW/VIOLET	FOOT BRAKE MODULE SIGNAL 1
29	RCA16	0,5	BLUE/BROWN	PRESSURE SENSOR 2
30	RCA16G	0,75	BLUE/BROWN	SENSOR - PRESSURE REAR SN PRESS FRONT
30	LCA30	0,35	GREY/ORANGE	FOOT BRAKE MODULE SUPPLY

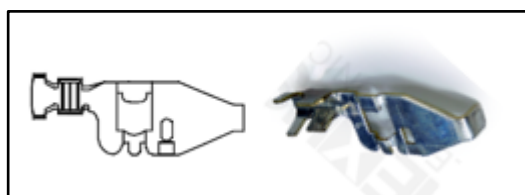

Con. Code
C21-A

TRUCKS

Con. Desc.	13N052-LHS INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LMP07C	0,75	BLUE/WHITE	POSITION LIGHT RIGHT
2	CLF03F	0,75	VIOLET/ORANGE	BEAM HIGH RIGHT
3	CLF04B	0,75	BROWN/BLUE	BEAM LOW RIGHT
4	CLF61E	0,75	GREY/BLUE	DAYTIME RUNNING LIGHT RIGHT
5	RLF26D	0,75	GREY/YELLOW	MOTOR HEADLAMP LEVELING
6	CLF29E	0,75	BLUE/GREEN	BEAM FOG LAMP
7	B_GD120A	1,5	BLACK/GREEN	ASSEMBLY-HEADLAMP LHS GROUND
8	CBB77D	0,75	GREY/BROWN	MOTOR
9	CLS21A	0,75	GREEN/BLUE	TURN LAMP LEFT FRONT

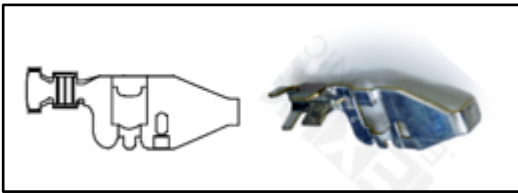


Con. Code	G1D120_1			
Con. Desc.	TO LEFT FRONT FENDER (1)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD120	4	BLACK/GREEN	GROUND



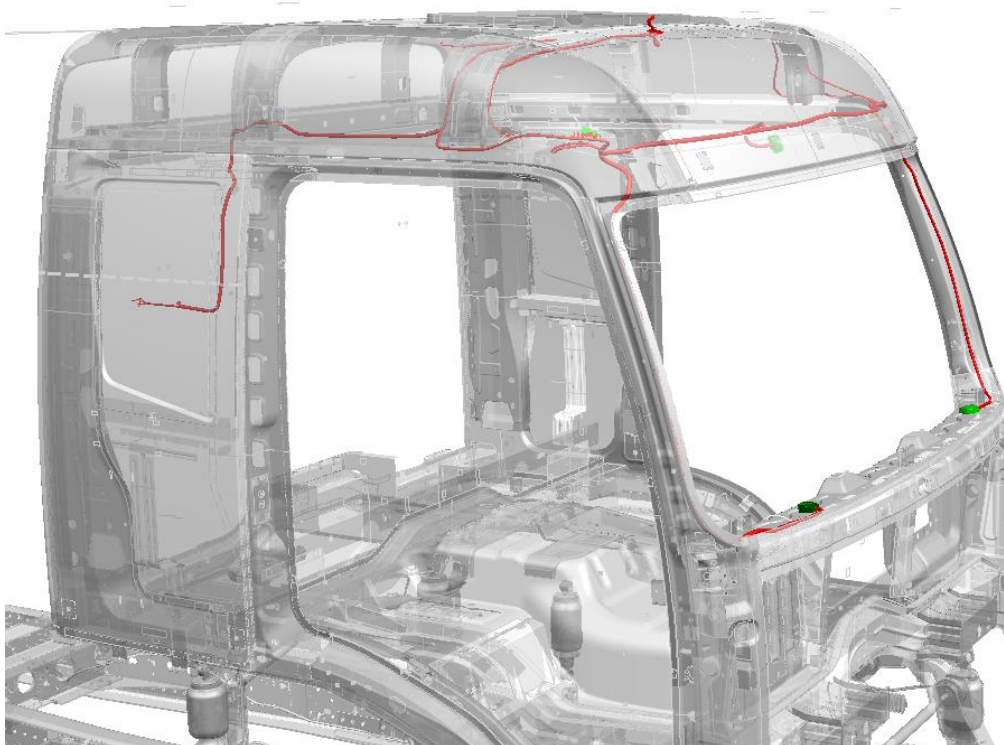
Con. Code	G1D120_2			
Con. Desc.	TO LEFT FRONT FENDER (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD120	4	BLACK/GREEN	GROUND

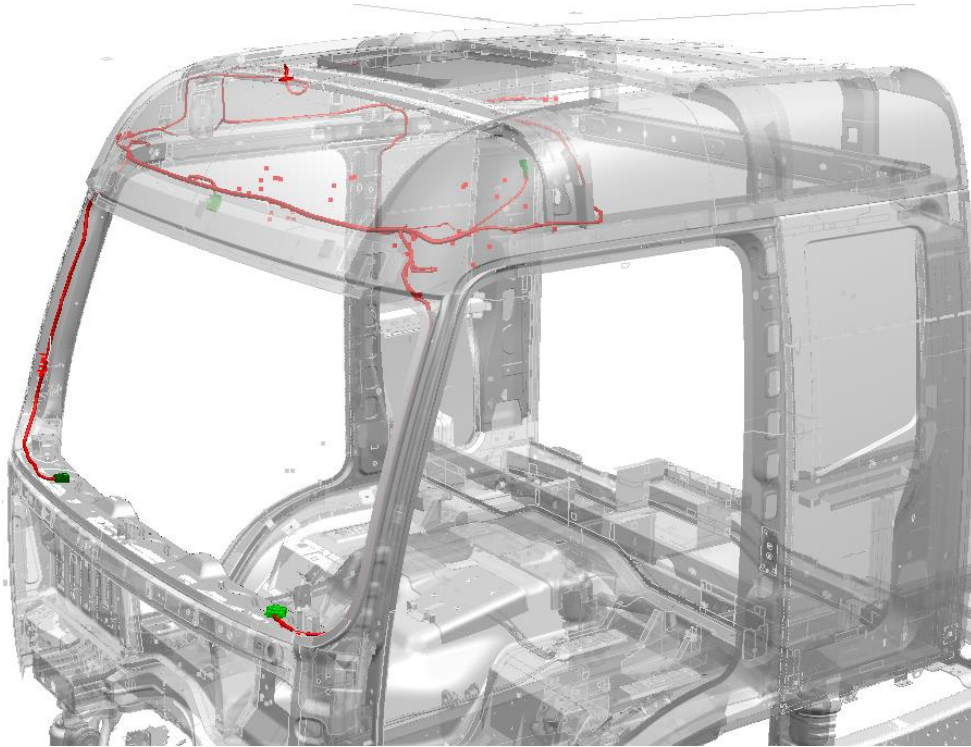
TRUCKS



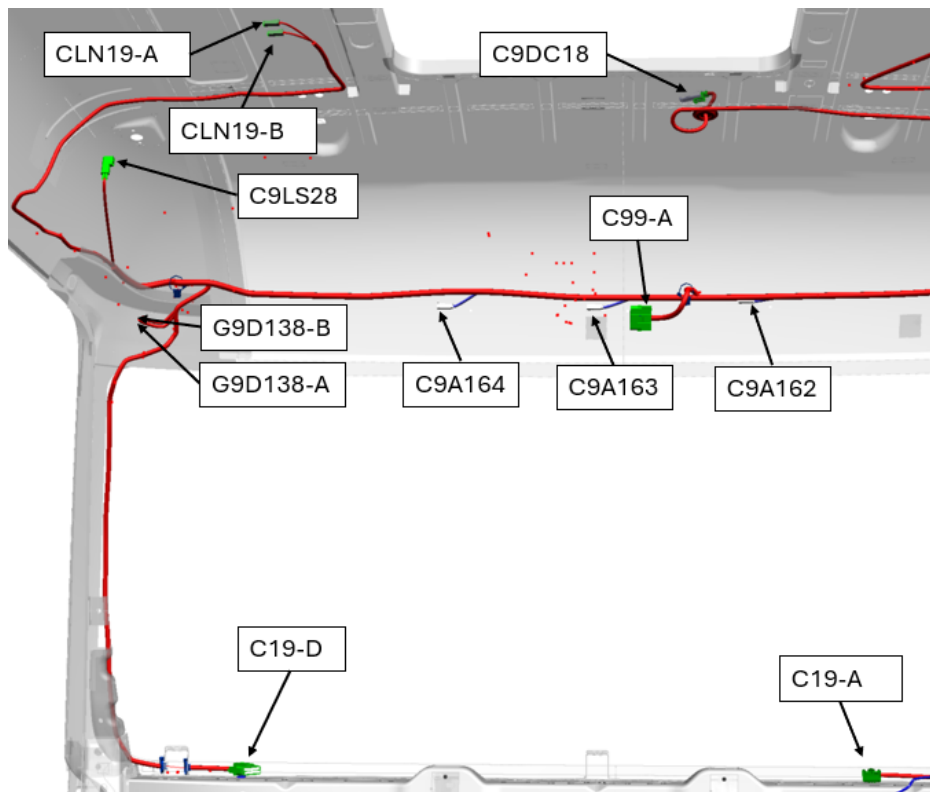
Con. Code	G1D123_3			
Con. Desc.	TO FRONT RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_GD123	6	BLACK/GREY	GROUND

3.3.10. → 15A404 Roof Wiring

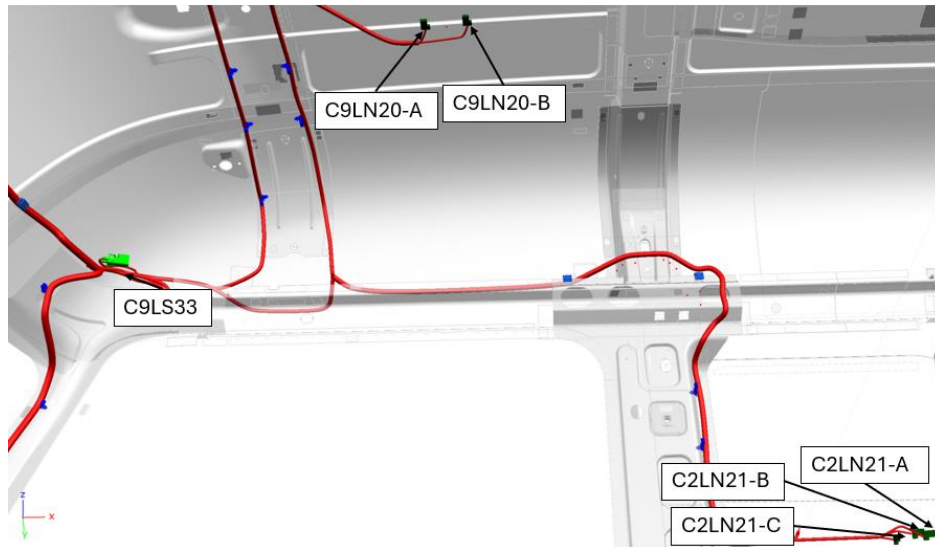




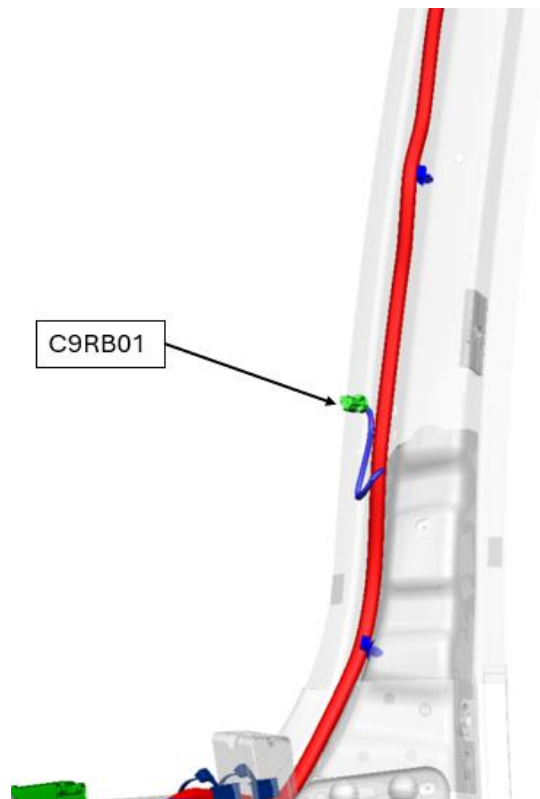
C19-D,C19-A,CLN19-A,CLN19-B,C9LS28, GD138-A,GD138-B, C9DC18, C9A164, C9A163, C9A162, C99-A Connectors:



C9LS33, C9LN20-A, C9LN20-B, C2LN21-A, C2LN21-B, C2LN21-C Connectors:

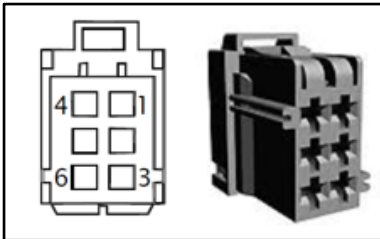


C9RB01 Connector:

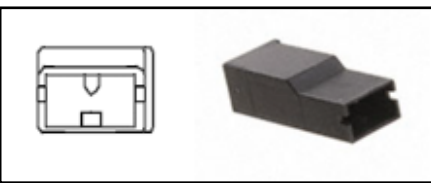


TRUCKS

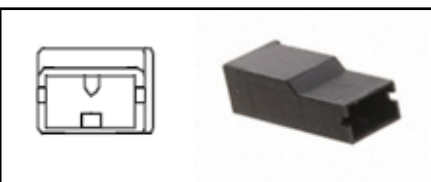
15A404→ Roof wiring connector descriptions:



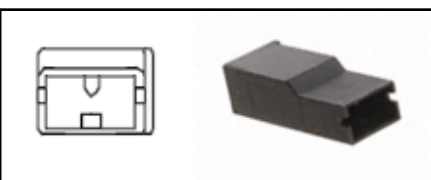
Con. Code	CPR39			
Con. Desc.	MOTOR SUNROOF			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPR39B	0.75	VIOLET/WHITE	Sunroof Motor Open Supply
2	CRB22B	0.75	WHITE/BROWN	Sunroof Motor Close Supply



Con. Code	C9LN19-A			
Con. Desc.	TO LAMP LEFT MAP A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD138G	0,75	BLACK/WHITE	Ground

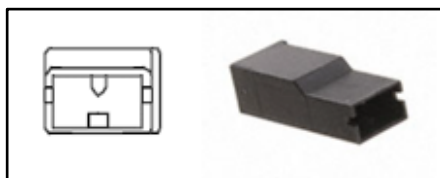


Con. Code	C9LN19-B			
Con. Desc.	TO LAMP LEFT MAP B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN19	0,75	GREEN/WHITE	Map Lamp PWM Supply Left

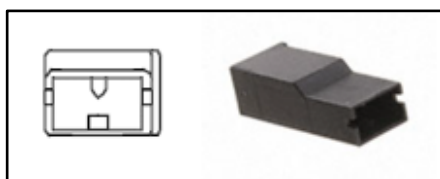


TRUCKS

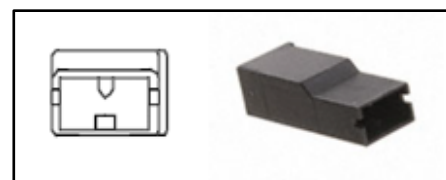
Con. Code	C9LN20-A			
Con. Desc.	TO LAMP RIGHT MAP A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD138D	0,75	BLACK/WHITE	Ground



Con. Code	C9LN20-B			
Con. Desc.	TO LAMP RIGHT MAP B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN20	0,75	GREEN/WHITE	Map Lamp PWM Supply Right

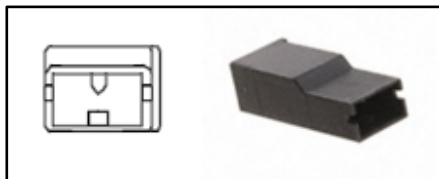


Con. Code	C2LN21-A			
Con. Desc.	LAMP-BED A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP38AC	0,75	BROWN/RED	Power Supply

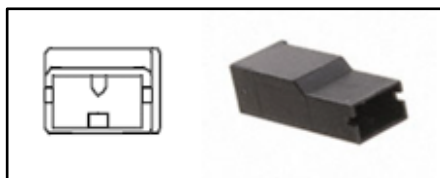


Con. Code	C2LN21-B			
Con. Desc.	LAMP-BED B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD138E	0,75	BLACK/WHITE	Ground

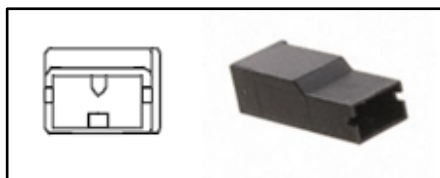
TRUCKS



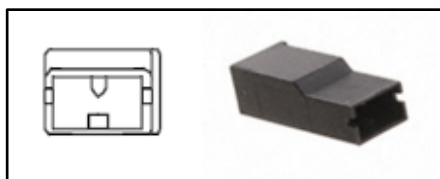
Con. Code	C2LN21-C			
Con. Desc.	LAMP-BED C			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD138F	0,75	BLACK/WHITE	Ground



Con. Code	C9LN28-A			
Con. Desc.	LAMP-DOME A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN83C	0,75	GREY/BUE	Dome Light Supply



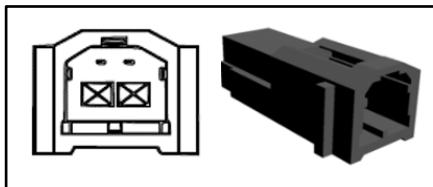
Con. Code	C9LN28-B			
Con. Desc.	LAMP-DOME B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD138C	0,75	BLACK/WHITE	Ground



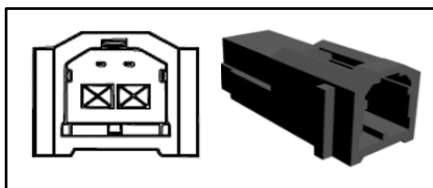
Con. Code	C9LN28-C			
Con. Desc.	LAMP-DOME C			

TRUCKS

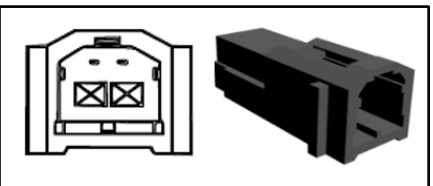
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP38AB	0,75	BROWN/RED	Power Supply



Con. Code	C9A162			
Con. Desc.	LAMP ROOF 1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN16A	0,75	YELLOW/ORANGE	TRIPLE ROOF MARKER LAMPS RELAY
3	B_GD138B	0,75	BLACK/WHITE	Ground

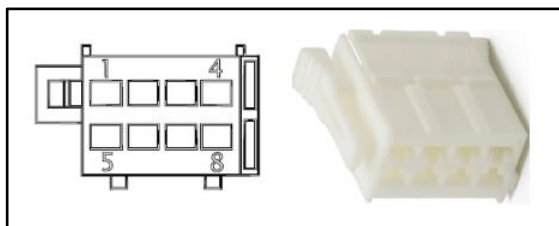


Con. Code	C9A163			
Con. Desc.	LAMP ROOF 2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN16B	0,75	YELLOW/ORANGE	TRIPLE ROOF MARKER LAMPS RELAY
3	B_GD138C	0,75	BLACK/WHITE	Ground

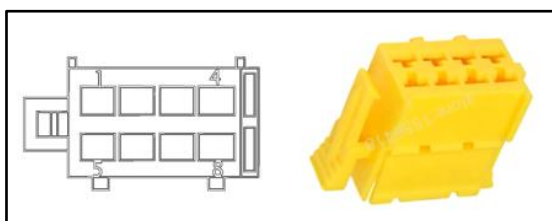


Con. Code	C9A164			
Con. Desc.	LAMP ROOF 3			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN16C	0,75	YELLOW/ORANGE	TRIPLE ROOF MARKER LAMPS RELAY
3	B_GD138D	0,75	BLACK/WHITE	Ground

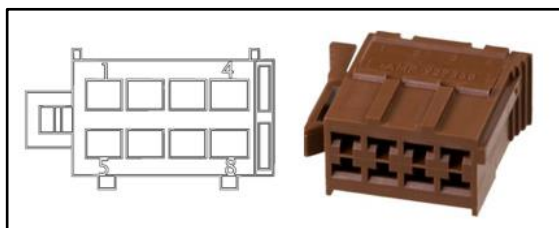
TRUCKS



Con. Code	C9MC35-A			
Con. Desc.	MODULE TACHOGRAPH A			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP10C	0,75	YELLOW/RED	POWER SUPPLY KL30
2	CBP52ZA	1	GREEN/WHITE	ILLUMINATION POWER SUPPLY
3	CBP09C	0,75	VIOLET/GREY	POWER SUPPLY KL15
4	VDB04CC	0,5	WHITE/BLUE	CAN +
5	GD108E	1,5	BLACK/VIOLET	BATTERY GROUND
6	B_GD184B	0,75	BLACK/GREY	IGNITION GROUND
8	VDB05CC	0,5	WHITE	CAN -

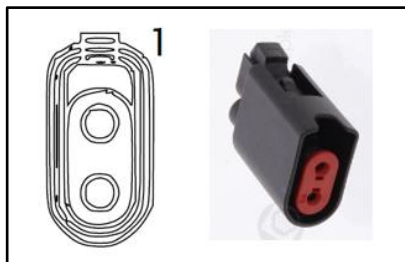


Con. Code	C9MC35-B			
Con. Desc.	MODULE TACHOGRAPH B			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCB36	0,35	BLUE/GREY	SENSOR-VEHICLE SPEED POWER
2	RCB36	0,35	YELLOW/BLUE	SENSOR-VEHICLE SPEED GROUND
3	VCB35	0,35	BROWN/WHITE	SENSOR-VEHICLE SPEED HALL
4	VMC39	0,35	BLUE	SENSOR-VEHICLE SPEED TACHOGRAPH SIG
7	VMC39T	0,35	BLUE	SPEED PULSE OUTPUT

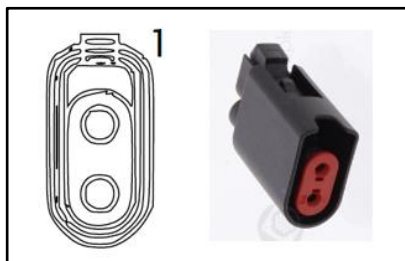


TRUCKS

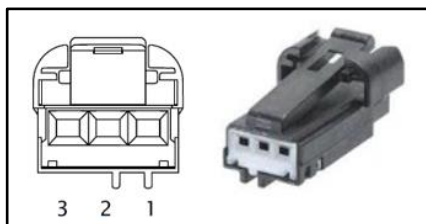
Con. Code	C9MC35-D			
Con. Desc.	MODULE TACHOGRAPH D			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	SBP12C	0,75	RED	POWER SUPPLY KL30 (ADR UNIT)



Con. Code	C9LS28			
Con. Desc.	LAMP LEFT MARKER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP48T	1	GREY/YELLOW	POWER SUPPLY
2	A_GD138B	1	BLACK/WHITE	GROUND

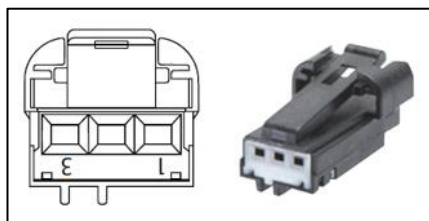


Con. Code	C9LS33			
Con. Desc.	LAMP RIGHT MARKER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP46S	1	WHITE/BLUR	POWER SUPPLY
2	A_GD138A	1	BLACK/WHITE	GROUND

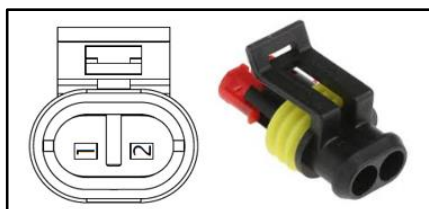


TRUCKS

Con. Code	C9MT06-A			
Con. Desc.	MICROPHONE-TELEMATICS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	VMM23B	0,35	BROWN/VIOLET	MIC +
3	RMM23B	0,35	WHITE/GREEN	MIC -



Con. Code	C9RB01			
Con. Desc.	BLIS WARNING LAMP			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_GD138G	0,75	BLACK/WHITE	POWER SUPPLY KL15
2	VDN03B	0,5	GREY/VIOLET	LIN BUS 2
3	CBP59C	0,75	BROWN/WHITE	GROUND



Con. Code	C9DC18			
Con. Desc.	LAMP-ROOF BEACON			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC18A	1	BROWN/BLUE	POWER SUPPLY
2	B_GD138HA	1	BLUE	GROUND

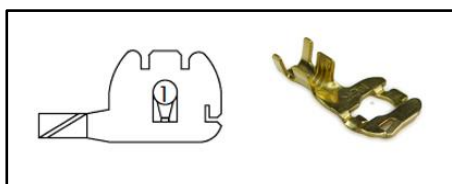


TRUCKS

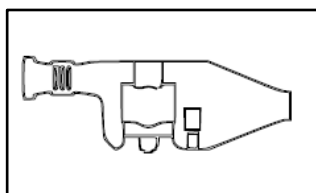
Con. Code	C19-B			
Con. Desc.	ROOF BEACON LAMP-2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CDC18B	1	YELLOW/ORANGE	POWER SUPPLY
2	B_GD138J	1	BLACK/WHITE	GROUND



Con. Code	C2HF02			
Con. Desc.	TO SWITCH WEBASTO			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CHF02	0,75	BLUE/WHITE	AUX HEATER INPUT
2	B_GD138E	0,75	BLACK/WHITE	GROUND
3	B_GD138F	0,75	BLACK/WHITE	GROUND
4	VHF04A	0,75	BROWN/VIOLET	AUX HEATER

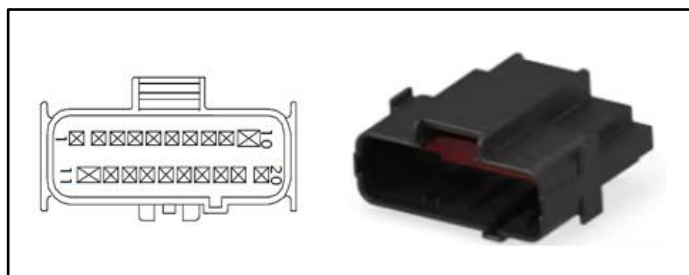


Con. Code	G9D138-A			
Con. Desc.	TO GROUND (1)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD138	4	BLACK/WHITE	GROUND



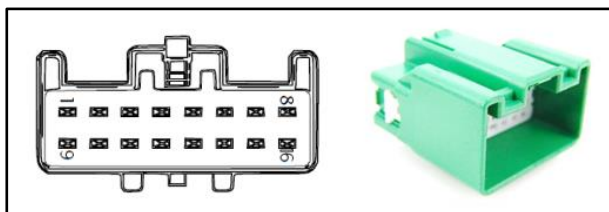
TRUCKS

Con. Code	G9D138-B			
Con. Desc.	TO GROUND (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	B_GD138AA	4	BLACK/WHITE	GROUND

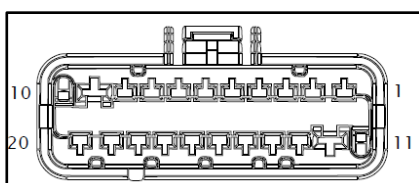


Con. Code	C99-A			
Con. Desc.	TO TACHOGRAPH JUMPER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP10B	0,75	YELLOW/RED	POWER SUPPLY KL30
2	CBP52ZA	1	GREEN/WHITE	POWER SUPPLY KL15
3	CBP09B	0,75	VIOLET/GREY	POWER SUPPLY KL15
4	CCB36	0,35	BLUE/GREY	Vehicle Speed Sensor Power
5	RCB36	0,35	YELLOW/BLUE	SENSOR-VEHICLE SPEED GROUND
6	VCB35	0,35	BROWN/WHITE	SENSOR-VEHICLE SPEED HALL
7	VMC39	0,35	BLUE	SP SEN RT (TACH SIG)
8	VMC39T	0,35	BLUE	SPEED PULSE OUTPUT
9	SBP12C	0,75	RED	POWER SUPPLY KL30 (ADR UNIT)
10	GD108E	1,5	BLACK/VIOLET	BATTERY GROUND
12	DMM23G	0,75	BROWN/RED	GROUND
13	VMM23B	0,35	BLACK	MIC +
14	RMM23B	0,35	BROWN/VIOLET	MIC -
15	VDB04CC	0,35	WHITE/GREEN	CAN +
16	VDB05CC	0,5	WHITE/BLUE	CAN -
17	A_GD138C	0,5	WHITE	Ground
18	B_GD184B	0,75	BLACK/WHITE	Ground
19	CLN83C	0,75	BLACK/GREY	Dome Light Supply
20	SBP10B	0,75	GREY/BLUE	POWER SUPPLY KL30

TRUCKS



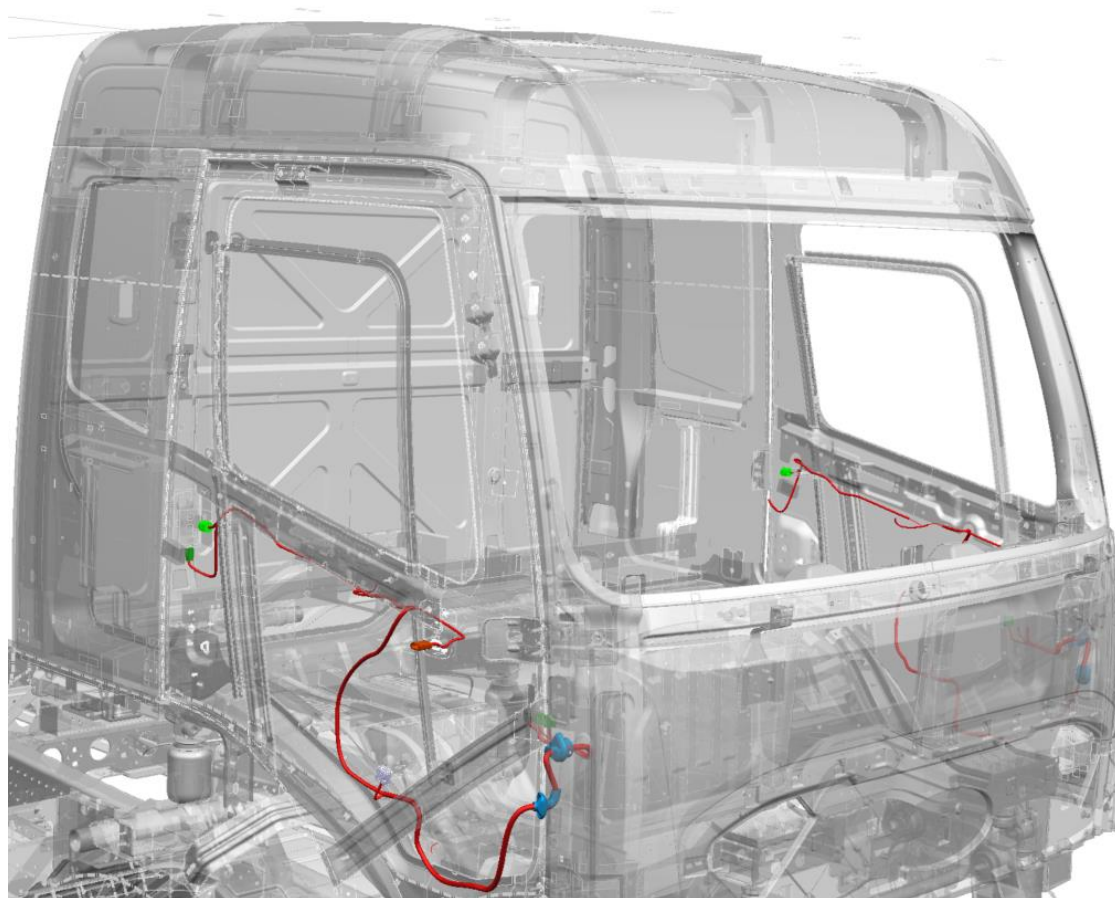
Con. Code	C19-A			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN83E	0,35	GREY/BLUE	Dome Light Supply
2	SBP38	0,5	BROWN/RED	Lamp Power Supply
3	CPR22A	0,75	WHITE/BROWN	Sunroof Motor Close Supply
4	CPR39A	0,75	VIOLET/WHITE	Sunroof Motor Open Supply
5	CBP46E	1	WHITE/BLUE	Right Marker
6	CLN16	0,75	YELLOW/ORANGE	Roof Markers
7	CLN19	0,5	GREEN/WHITE	Map Lamp PWM Supply Left
8	CBP48D	1	GREY/YELLOW	Left Marker
9	MAH30C	0,5	BROWN/WHITE	AUX HEATER INPUT
10	MAH31C	0,5	VIOLET/GREY	AUX HEATER
11	CLN20	0,5	GREY/BROWN	Map Lamp PWM Supply Right
13	CDC18	1	YELLOW/ORANGE	Roof Beacon
14	CBP59A	0,75	BROWN/WHITE	Power Supply KL15
15	VDN03A	0,5	GREY/VIOLET	BLIS LAMP LIN

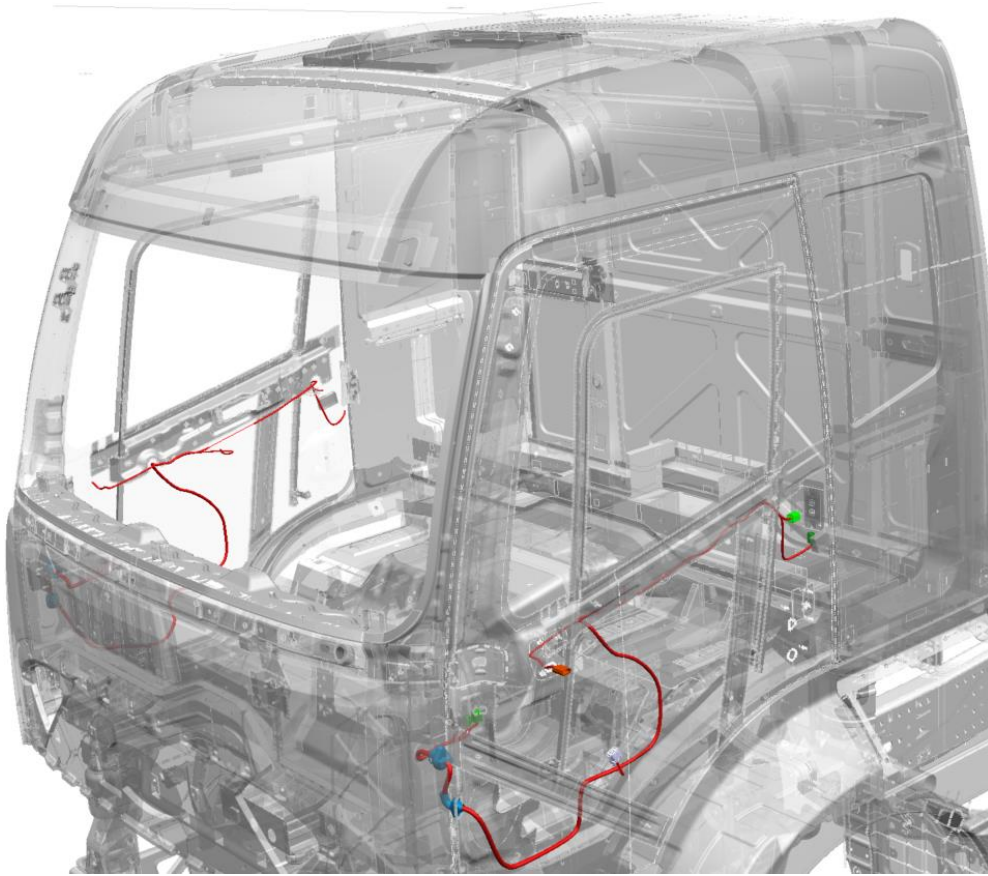


Con. Code	C19-D			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP10C	0,75	YELLOW/RED	POWER SUPPLY
2	CBP52ZA	1	GREEN/WHITE	ILLUMINATION POWER SUPPLY
3	CBP09C	0,75	VIOLET/GREY	TACHO GROUND
4	CCB36	0,35	BLUE/GREY	SENSOR SUPPLY
5	RCB36	0,35	YELLOW/BLUE	SENSOR GROUND
6	VCB35	0,35	BROWN/WHITE	SP SEN RT (HALL SIG)

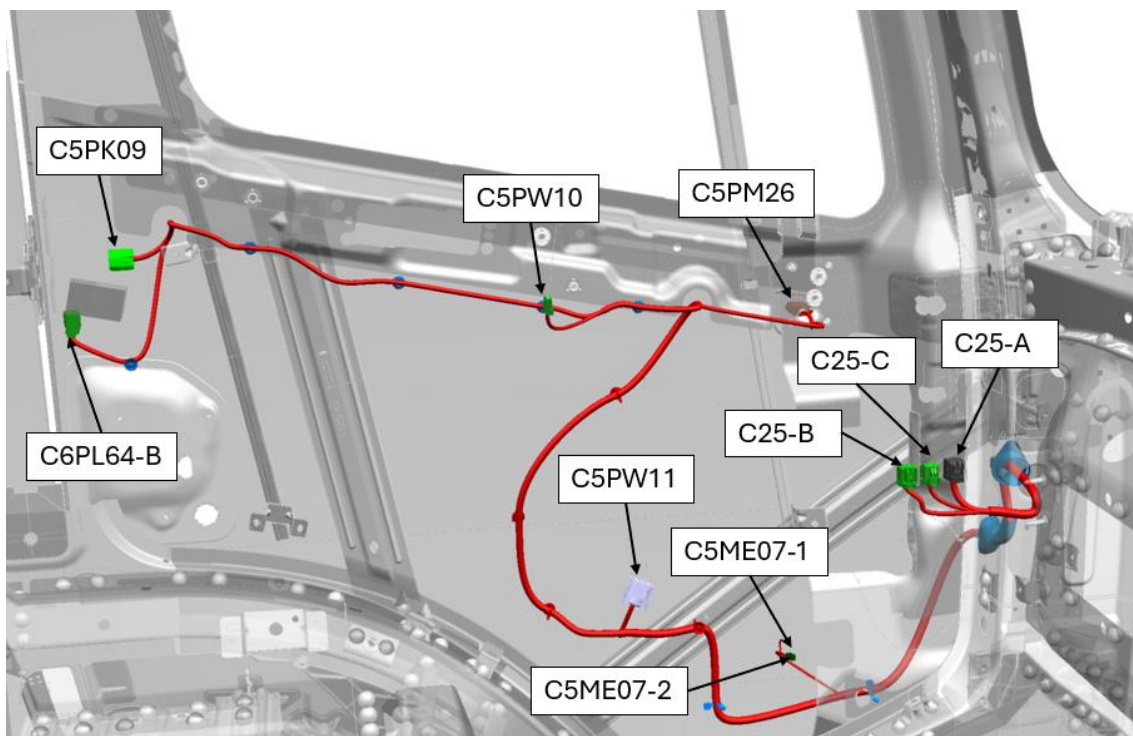
TRUCKS

7	VMC39	0,35	BLUE	SP SEN RT (TACH SIG)
8	VMC39T	0,35	BLUE	SPEED PULSE OUTPUT
9	SBP12C	0,75	RED	TACHO POWER SUPPLY KL30
10	GD108E	1,5	BLACK/VIOLET	BATTERY GROUND
12	VDB04CA	0,5	WHITE/BLUE	V_CAN1(+)
13	VDB05CA	0,5	WHITE	V_CAN1(-)
14	VMM23B	0,5	BROWN/VIOLET	MIC +
15	RMM23B	0,5	WHITE/GREEN	MIC -
16	DMM23G	0,75	GREY	GROUND
17	VDB04CB	0,5	WHITE/BLUE	V_CAN1(+)
18	VDB05CB	0,5	WHITE	V_CAN1(-)
19	B_GD184B	0,75	BLACK/GREY	IGNITION GROUND

3.3.11. → 14A584 Door internal wiring


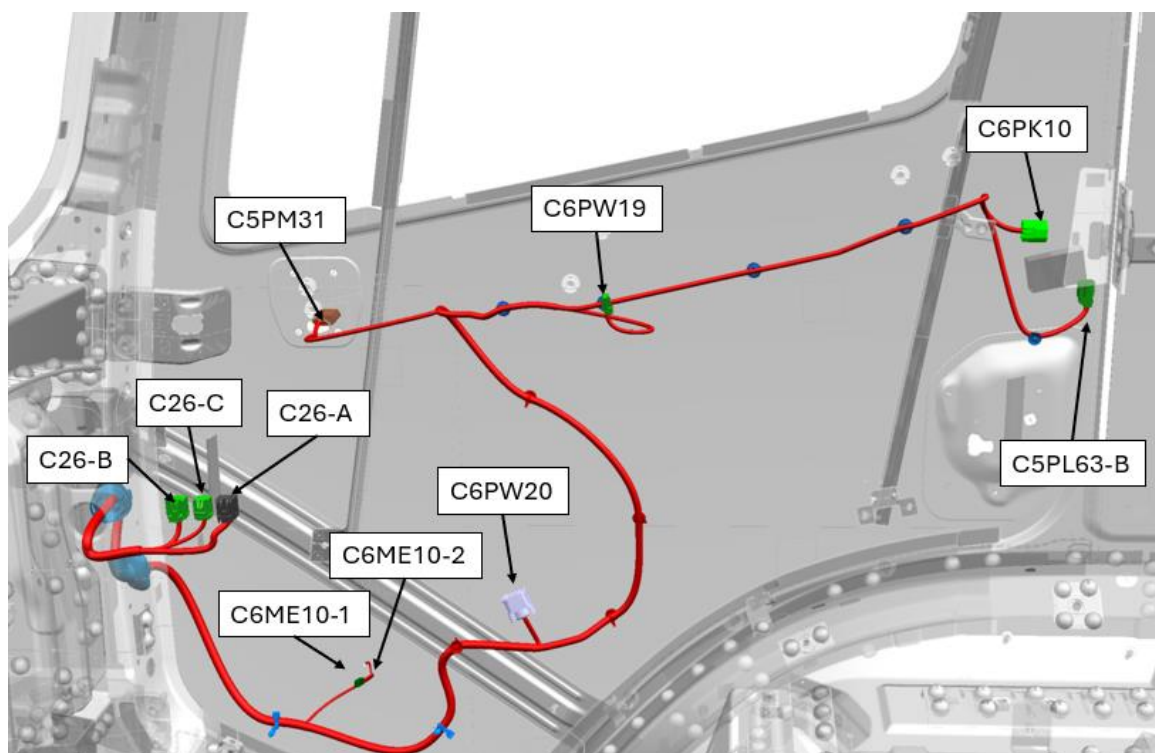


C25-A, C25-B, C25-C, C5ME07-1, C5ME07-2, C5PW10, C5PW11, C5PM26, C5PK09, C6PL64-B Connectors:

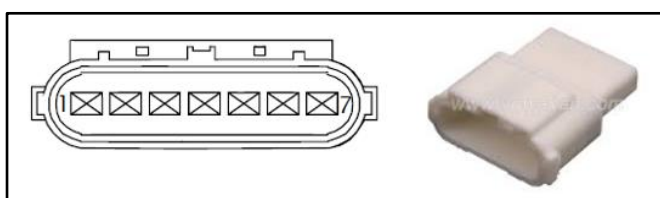


TRUCKS

C26-A, C26-B, C26-C, C6ME10-1, C6ME10-2, C6PW20, C5PM31, C6PW19, C6PK10, C5PL63-B Connectors:

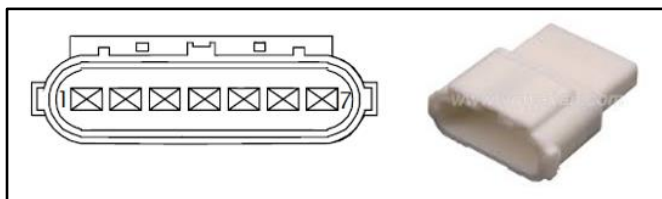


14A584→ Door internal wiring connector descriptions:

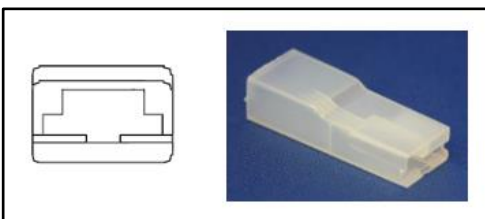


Con. Code	C5PM26			
Con. Desc.	TO MIRROR (DRIVER)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	MPM47C	0,5	YELLOW	Main Left Mirror Right Ctrl
3	MPM03D	0,5	BROWN/YELLOW	Main Left Mirror Down Left Ctrl
4	MPM03E	0,5	BROWN/YELLOW	Main Left Mirror Down Left Ctrl
5	MPM45C	0,5	BLUE	Main Left Mirror Up Ctrl
6	CRD17A	0,5	GREY	Heated Mirror Supply
7	B_GD185KC	0,5	BLACK/WHITE	Ground

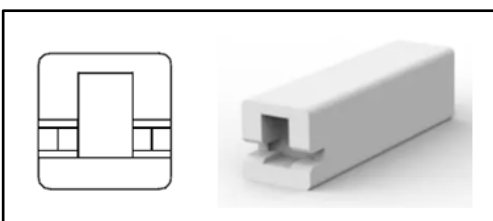
TRUCKS



Con. Code	C5PM26			
Con. Desc.	TO MIRROR (PASSENGER)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	MPM47C	0,5	YELLOW	Main Right Mirror Right Ctrl
3	MPM03D	0,5	BROWN/YELLOW	Main Right Mirror Down Right Ctrl
4	MPM03E	0,5	BROWN/YELLOW	Main Right Mirror Down Right Ctrl
5	MPM45C	0,5	BLUE	Main Right Mirror Up Ctrl
6	CRD17A	0,5	GREY	Heated Mirror Supply
7	B_GD185KC	0,5	BLACK/WHITE	Ground

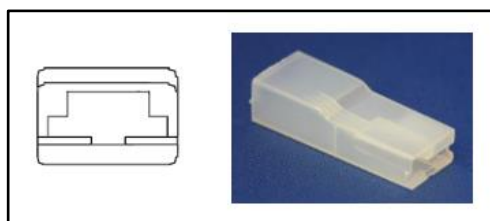


Con. Code	C5ME07-1			
Con. Desc.	SPEAKER FRONT DOOR LHS-1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VME07	0,75	WHITE	SPEAKER LEFT FRONT +

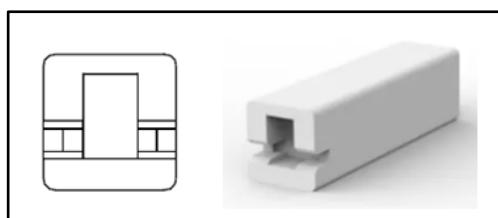


Con. Code	C5ME07-2			
Con. Desc.	SPEAKER FRONT DOOR LHS-2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RME07	0,75	WHITE/BROWN	SPEAKER LEFT FRONT -

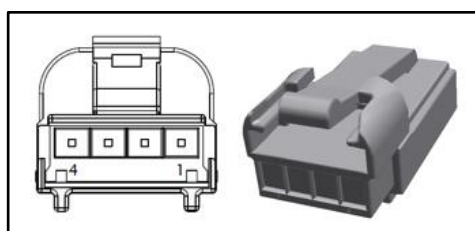
TRUCKS



Con. Code	C6ME10-1			
Con. Desc.	SPEAKER-FRONT DOOR RHS-1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VME10	0,75	WHITE	SPEAKER RIGHT FRONT +

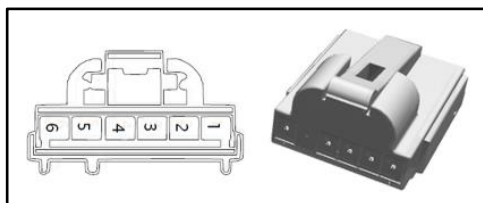


Con. Code	C6ME10-2			
Con. Desc.	SPEAKER-FRONT DOOR RHS-2			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RME10	0,75	WHITE/BROWN	SPEAKER RIGHT FRONT -

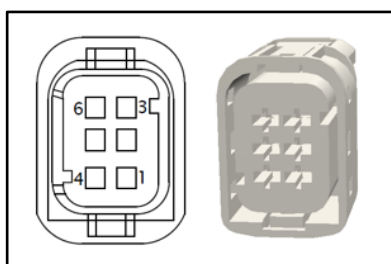


Con. Code	C5PW10			
Con. Desc.	SWITCH-POWER WINDOW & MIRRORS LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB75E	0,75	YELLOW/GREY	12V Power Supply KL30
3	VDN02C	0,5	GREEN/ORANGE	LIN BUS
4	GD186L	0,75	BLACK/BLUE	GROUND

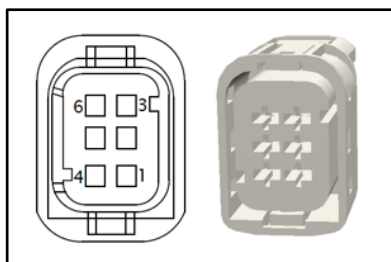
TRUCKS



Con. Code	C6PW19			
Con. Desc.	SWITCH - POWER WINDOW RHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD186R	0,75	BLACK/BLUE	Ground
2	CPW20B	0,5	WHITE/ORANGE	Power Window PASS Up Switch
3	CPW19B	0,5	VIOLET/BROWN	Power Window PASS Down Switch
4	VLN04F	0,5	VIOLET/GREY	Steering Column Switch Illumination Supply



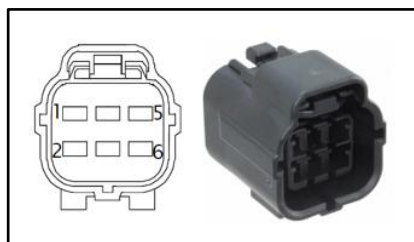
Con. Code	C5PW11			
Con. Desc.	MOTOR-POWER WINDOW REGULATOR LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VPW38	0,5	YELLOW/BLUE	Hall Sensor Left GND
3	CPW35B	1,5	GREEN	Power Window Left Down Relay
4	VPW39B	0,5	BLUE/WHITE	Hall Sensor Left Supply
5	VPW98B	0,5	BLUE/WHITE	Power Window Direction Left Hall Sensor
6	CPW34B	1,5	BLUE	Power Window Left Up Relay



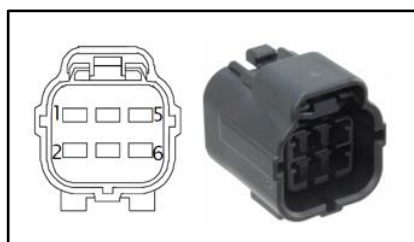
Con. Code	C6PW20			
Con. Desc.	MOTOR-POWER WINDOW REGULATOR RHS			

TRUCKS

Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VPW44B	0,5	BLUE/ORANGE	Hall Sensor Right GND
3	CPW40B	1,5	BLACK/WHITE	Power Window Right Down Relay
4	VPW45B	0,5	GREEN/WH	Hall Sensor Right Supply
5	VPW99B	0,5	YELLOW/VIOLET	Power Window Direction Right Hall Sensor
6	CPW41B	1,5	GREY/YELLOW	Power Window Right Up Relay

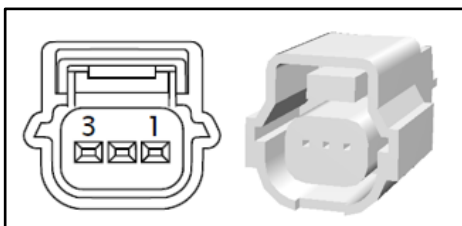


Con. Code	C5PK09			
Con. Desc.	DOOR LATCH UNIT DRIVER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	A_GD186K	1	BLACK/BLUE	Ground
3	CPL42A	1	GREY/YELLOW	Gear Shift Down Switch
4	CPL43A	1	VIOLET/GREY	Gear Shift Up Switch
5	CPL13A	1	BROWN/GREEN	Door Lock 12V Relay
6	CPL11A	1	GREY/BROWN	Door Unlock 12V Relay

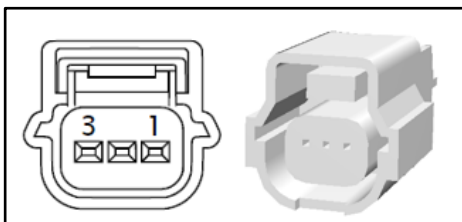


Con. Code	C6PK10			
Con. Desc.	DOOR LATCH UNIT PASSENGER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPL11B	1	GREY/BROWN	Door Unlock 12V Relay
2	CPL13B	1	BROWN/GREEN	Door Lock 12V Relay
3	CPL42B	1	GREY/YELLOW	Gear Shift Down Switch
4	CPL43B	1	VIOLET/GREY	Gear Shift Up Switch
6	A_GD186S	1	BLACK/BLUE	Ground

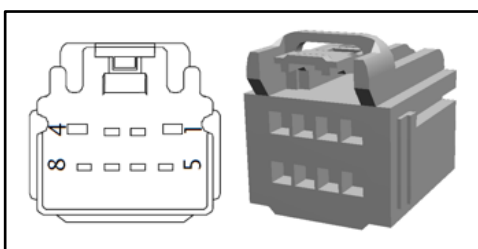
TRUCKS



Con. Code	C5PL63-B			
Con. Desc.	TO DOOR AJAR SW LHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD186U	0,75	BLACK/BLUE	Ground
2	ZA243A	0,35	BLACK	Cut Off Cable
3	CLN28C	0,5	GREEN/BLUE	Door Ajar Left Switch



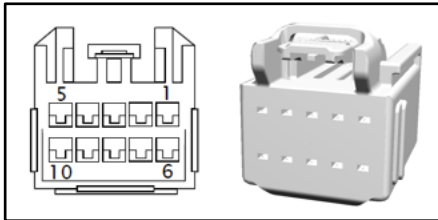
Con. Code	C6PL64-B			
Con. Desc.	TO DOOR AJAR SW RHS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN28D	0,5	GREEN/BLUE	Door Ajar Right Switch
2	ZA244A	0,35	BLACK	Cut Off Cable
3	A_GD186N	0,75	BLACK/BLUE	Ground



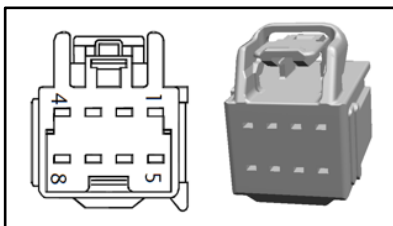
Con. Code	C25-A			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPW34B	1,5	BLUE	Power Window Left Up Relay
2	CPL11A	1	GREY/BROWN	Door Unlock 12V Relay
3	CPL13A	1	BROWN/GREEN	Door Lock 12V Relay

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4	CPW35B	1,5	GREEN	Power Window Left Down Relay
5	CPL42A	1	GREY/YELLOW	Gear Shift Down Switch
6	CPL43A	1	VIOLET/GREY	Gear Shift Up Switch
7	VME07	0,75	WHITE	SPEAKER LEFT FRONT +
8	RME07	0,75	WHITE/BROWN	SPEAKER LEFT FRONT -

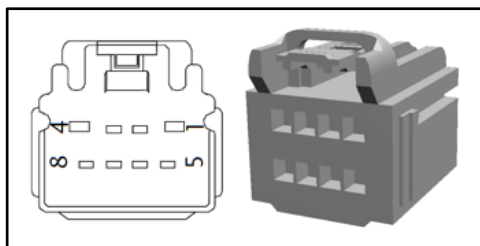


Con. Code	C25-B			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	MPM03C	0,75	BROWN/YELLOW	MainLeftMirrorDownLeftCtrl
2	MPM47C	0,75	YELLOW	MainLeftMirrorRightCtrl
3	MPM45C	0,75	BLUE	MainLeftMirrorUpCtrl
4	CRD17A	0,75	GREY	HeatedMirrorSupply
5	A_GD186M	1	BLACK/BLUE	Switch - Power Window&Mirrors LHS Ground
7	CLN28C	0,5	GREEN/BLUE	DoorAjarLeftSwitch

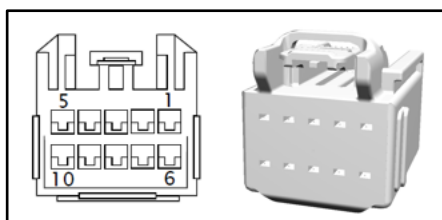


Con. Code	C25-C			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	VPW39B	0,35	BLUE/WHITE	Hall Sensor Left Supply
4	VPW38	0,35	YELLOW/BLUE	Hall Sensor Left GND
5	VPW98B	0,35	BLUE/WHITE	Power Window Direction Left Hall Sensor
6	VDN02C	0,5	GREEN/ORANGE	LIN BUS
7	SBB75E	0,5	YELLOW/GREY	Power Supply 12V KL30
8	VPW39B	0,75	VIOLET/RED	Power Supply Aux Fuse Box

TRUCKS

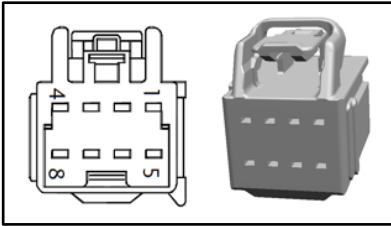


Con. Code	C26-A			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPW41B	1,5	GREY/YELLOW	Power Window Right Up Relay
2	CPL11B	0,5	GREY/BROWN	Door Unlock 12V Relay
3	CPL13B	0,5	BROWN/GREEN	Door Lock 12V Relay
4	CPW40B	1,5	WHITE	Power Window Right Down Relay
5	CPL42B	0,35	GREY/YELLOW	Gear Shift Down Switch
6	CPL43B	0,35	VIOLET/GREY	Gear Shift Up Switch
7	VME10	0,75	WHITE	SPEAKER RIGHT FRONT +
8	RME10	0,75	WHITE/BROWN	SPEAKER RIGHT FRONT -



Con. Code	C26-B			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	MPM06C	0,75	BROWN	MainRight Passenger Window BCM
2	MPM48C	0,75	YELLOW/GREEN	MainRightMirrorRightCtrl
3	MPM46C	0,75	VIOLET/GREEN	MainRightMirrorUpCtrl
4	CRD17B	0,75	GREY	Mirror Heater Relay
5	A_GD186T	1	BLACK/BLUE	SWITCH POWER WINDOW RHS GROUND
6	B_GD185KB	0,75	BLACK/WHITE	MIRROR(PASSENGER) GROUND
6	B_GD185KC	0,75	BLACK/WHITE	MIRROR(DRIVER) GROUND
7	CLN28D	0,5	GREEN/BLUE	DoorAjarRightSwitch

TRUCKS

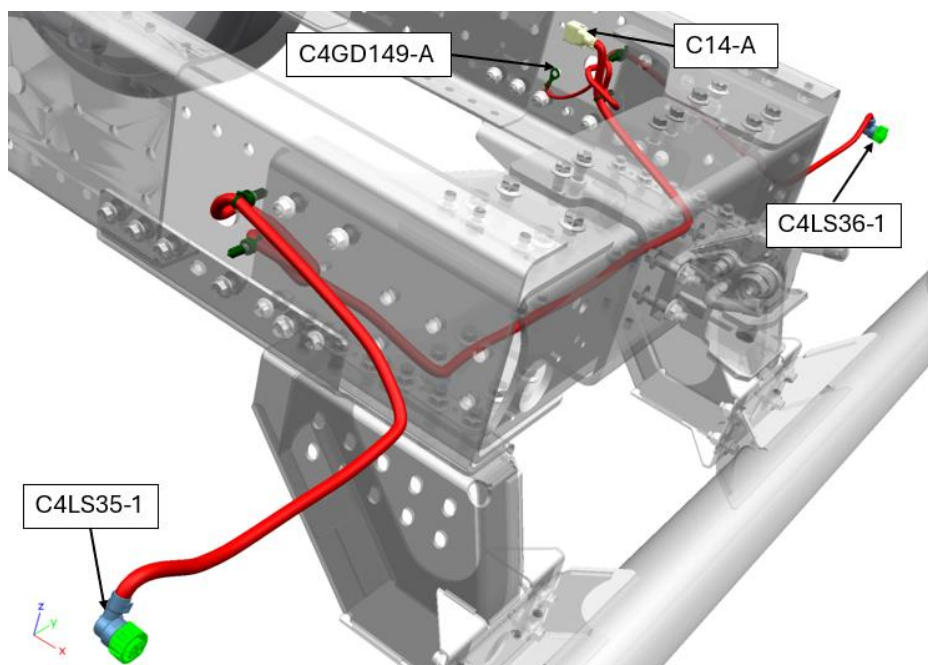


Con. Code	C26-C			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	VLN04F	0,35	VIOLET/GREY	SteeringColumnSwitchIlluminationSupply
3	VPW44B	0,35	BLUE/ORANGE	HallSensorRightGND
4	CPW20B	0,35	WHITE/ORANGE	PowerWindowPASSUpSwitch
5	CPW19B	0,35	VIOLET/BROWN	PowerWindowPASSDownSwitch
6	VPW45B	0,35	GREEN/WHITE	HallSensorRightSupply
7	VPW99B	0,35	YELLOW/VIOLET	PowerWindowDirectionRightHallSensor

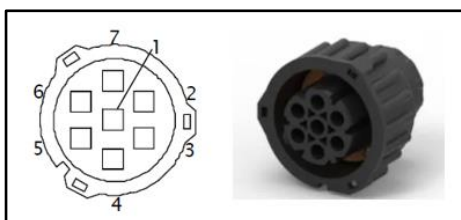
TRUCKS

3.3.12. 14405: Rear Lighting Wiring

C14-A, C4GD149-A, C4LS36-1, C4LS35-1 Connectors:

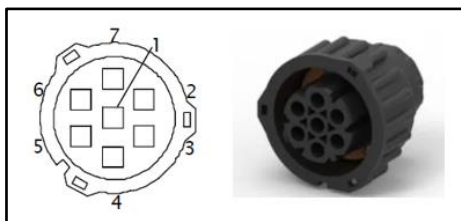


14405 → Rear lighting wiring connector descriptions:

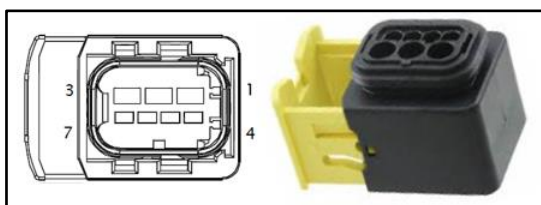


Con. Code	C4LS35-1			
Con. Desc.	TO LAMP-TAIL LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD149M	1,5	BLACK/GREY	Ground
2	CBP48G	1	GREY/YELLOW	Park Lamp
3	ZA119G	0,75	ORANGE/BLUE	Back Up Lamp
4	CLS21B	0,75	BLUE/GREEN	Turn Lamp
5	CCA26G	1	BLUE/GREY	Brake Lamp
6	ZA116F	0,75	ORANGE/YELLOW	Fog Lamp

TRUCKS



Con. Code	C4LS36-1			
Con. Desc.	TO LAMP-TAIL RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD149L	1,5	BLACK/GREY	Ground
2	CBP46I	0,75	GREY/YELLOW	Park Lamp
3	ZA119F	0,75	ORANGE/BLUE	Back Up Lamp
4	CLS25K	0,75	BLUE/GREEN	Turn Lamp
5	CCA26F	1	BLUE/GREY	Brake Lamp
6	ZA116E	0,75	ORANGE/YELLOW	Fog Lamp



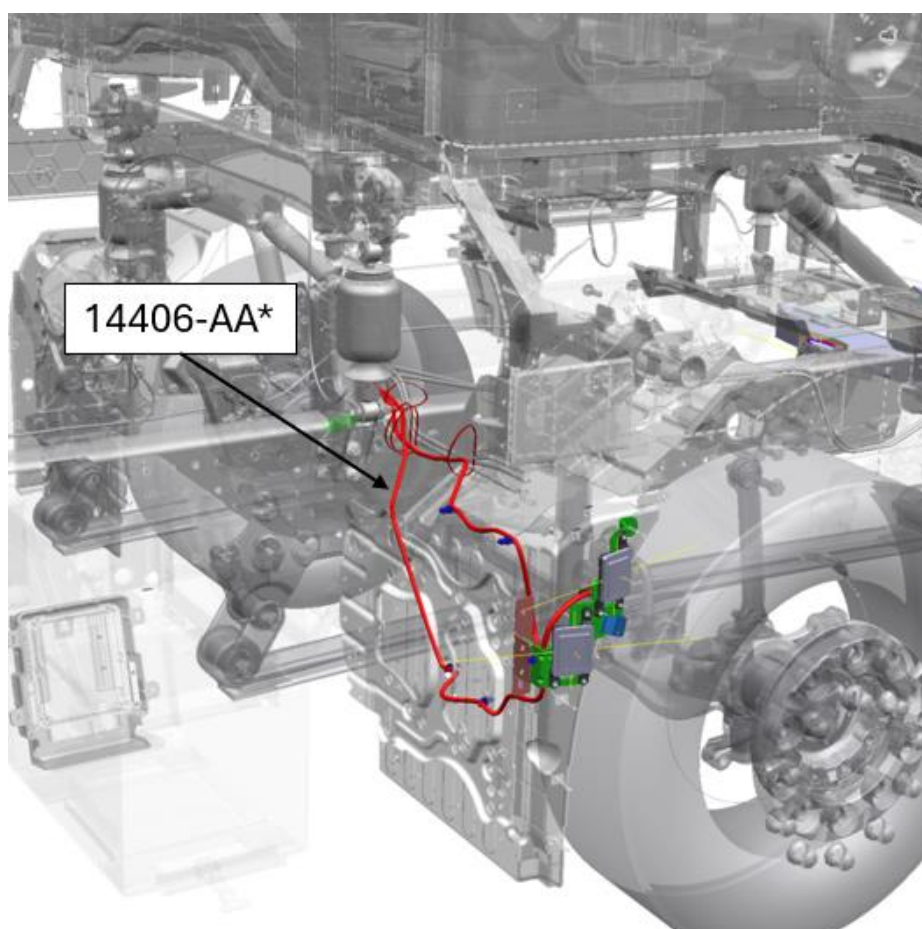
Con. Code	C14-A			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP46I	1	White/Blue	Right Park Lamps
2	CBP48G	1	Grey/Yellow	Left Park Lamps
3	ZA119D	1	Orange/Blue	Backup Lamps
4	CCA26D	1,5	Blue/Grey	Stop Lamps
5	ZA116D	0,75	Orange/Yellow	Rear Fog Lamps
6	CLS21B	0,75	Blue/Green	Right Turn Signals
7	CLS25B	0,75	Yellow/Violet	Left Turn Signals



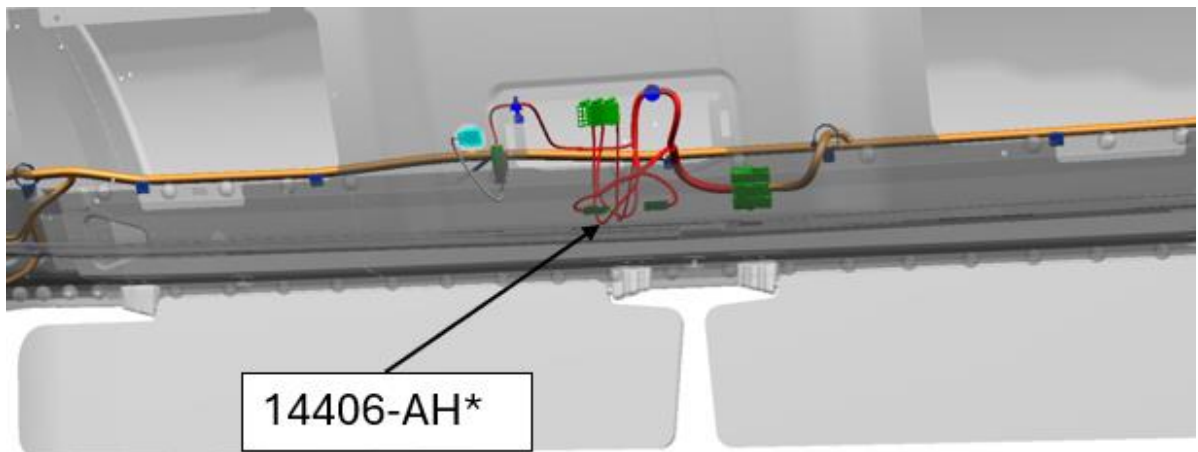
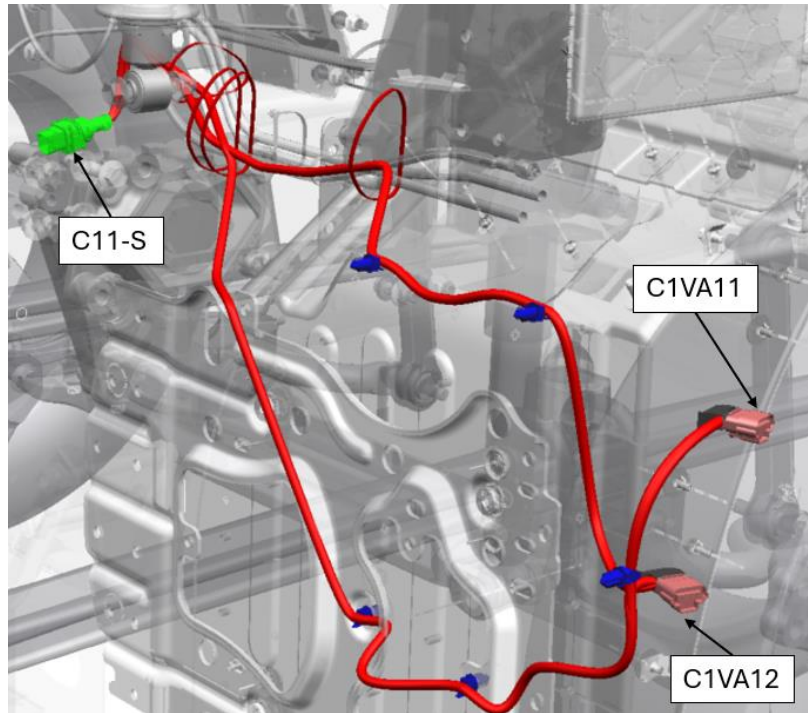
TRUCKS

Con. Code	C4GD149-A			
Con. Desc.	TO STRINGER GND ATTACHMENT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD149	4	BLACK/GREY	GROUND

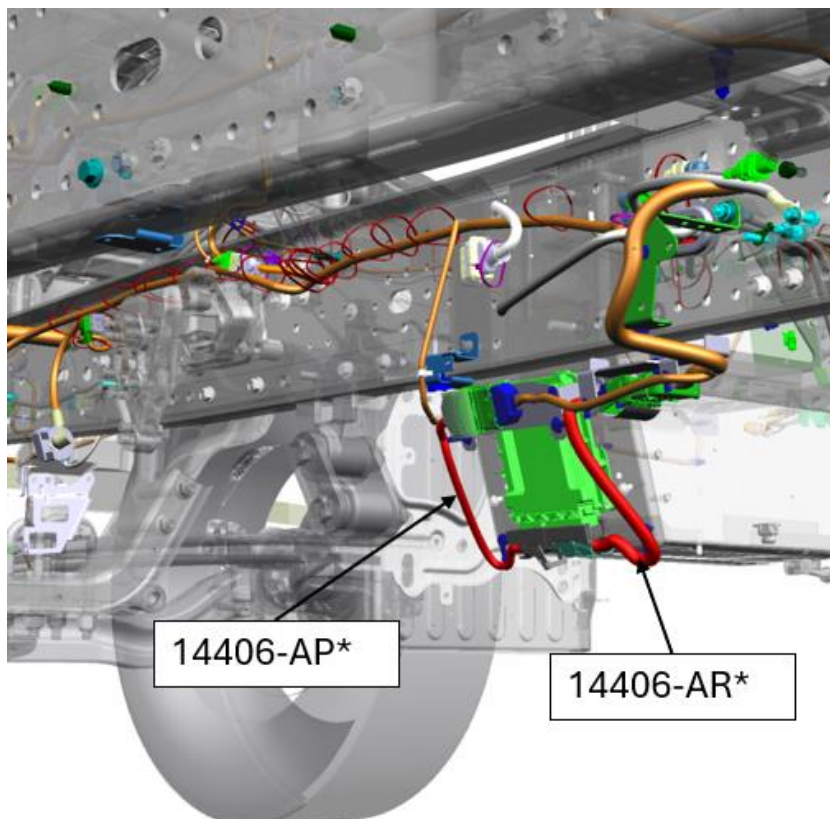
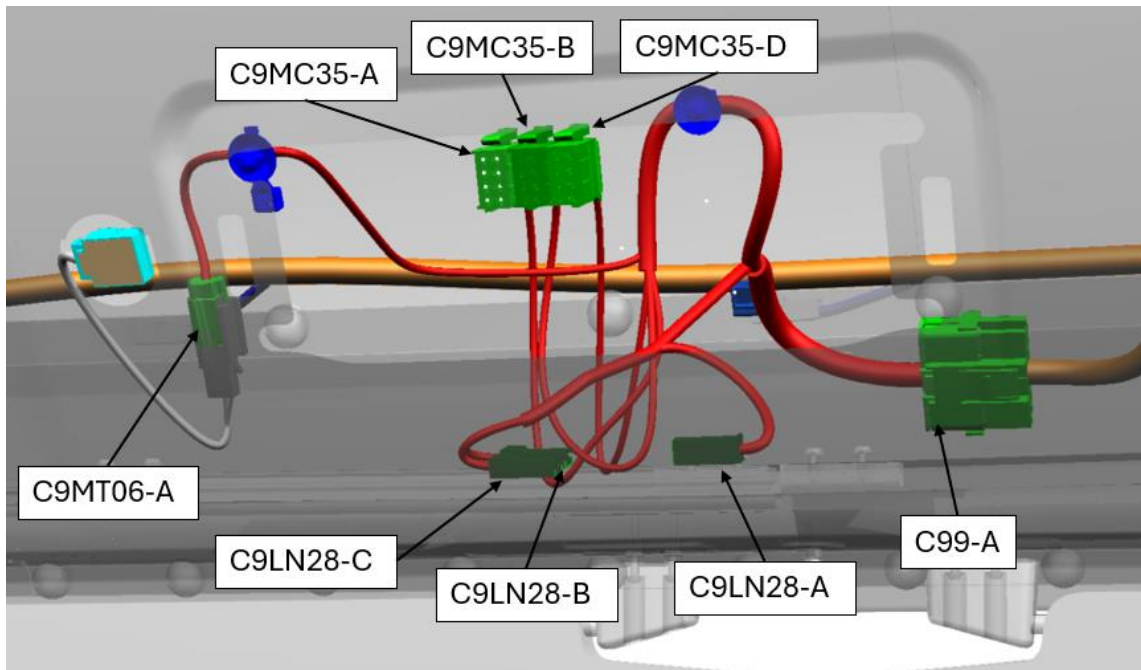
3.3.13.14406: VCU-Radar Wiring



C11-S, C1VA11, C1VA12 Connectors:

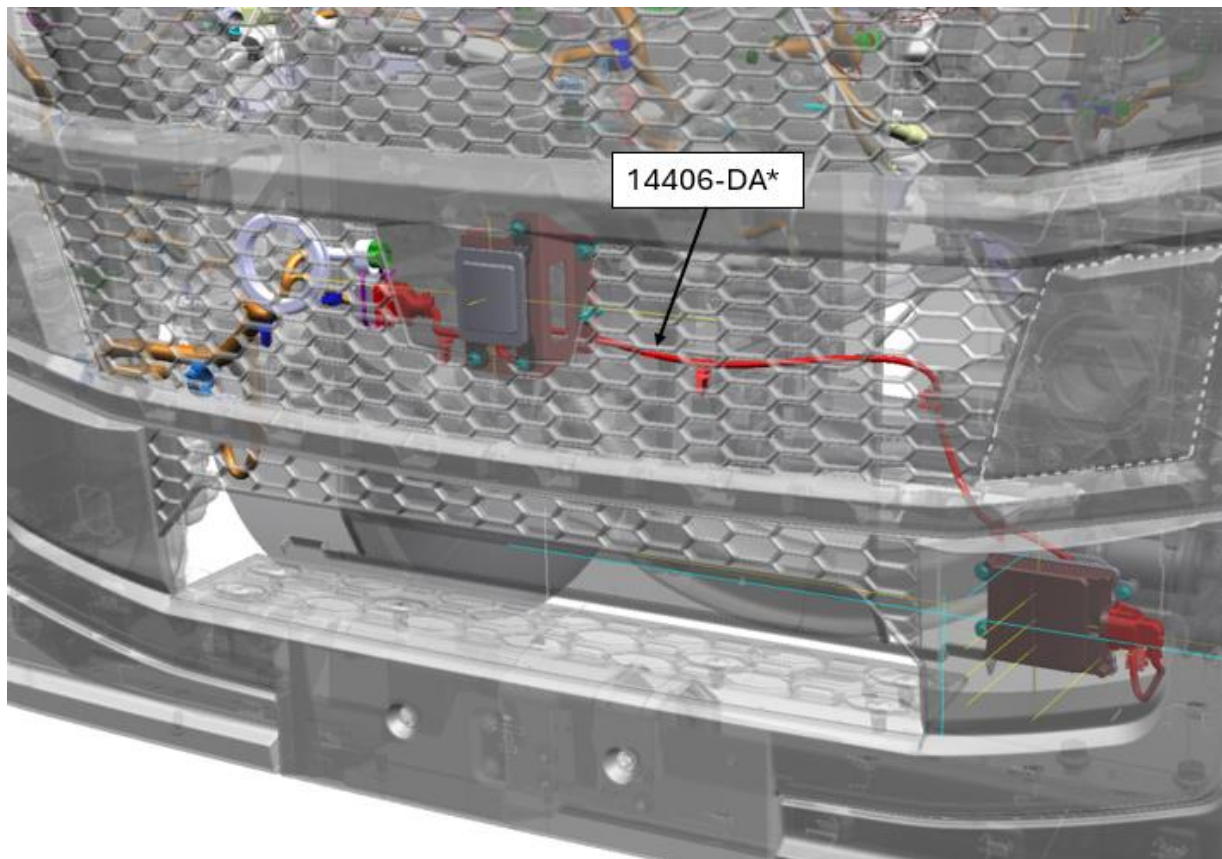
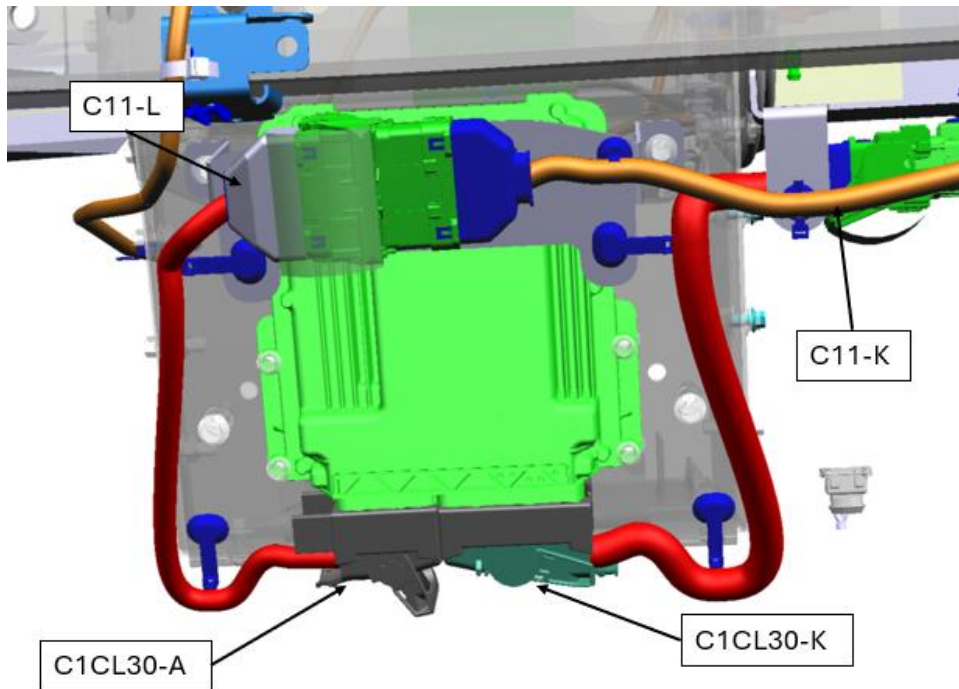


C99-A, C9MC35-A, C9MC35-B, C9MC35-D, C9MT06-A, C9LN28-A, C9LN28-B, C9LN28-C Connectors:



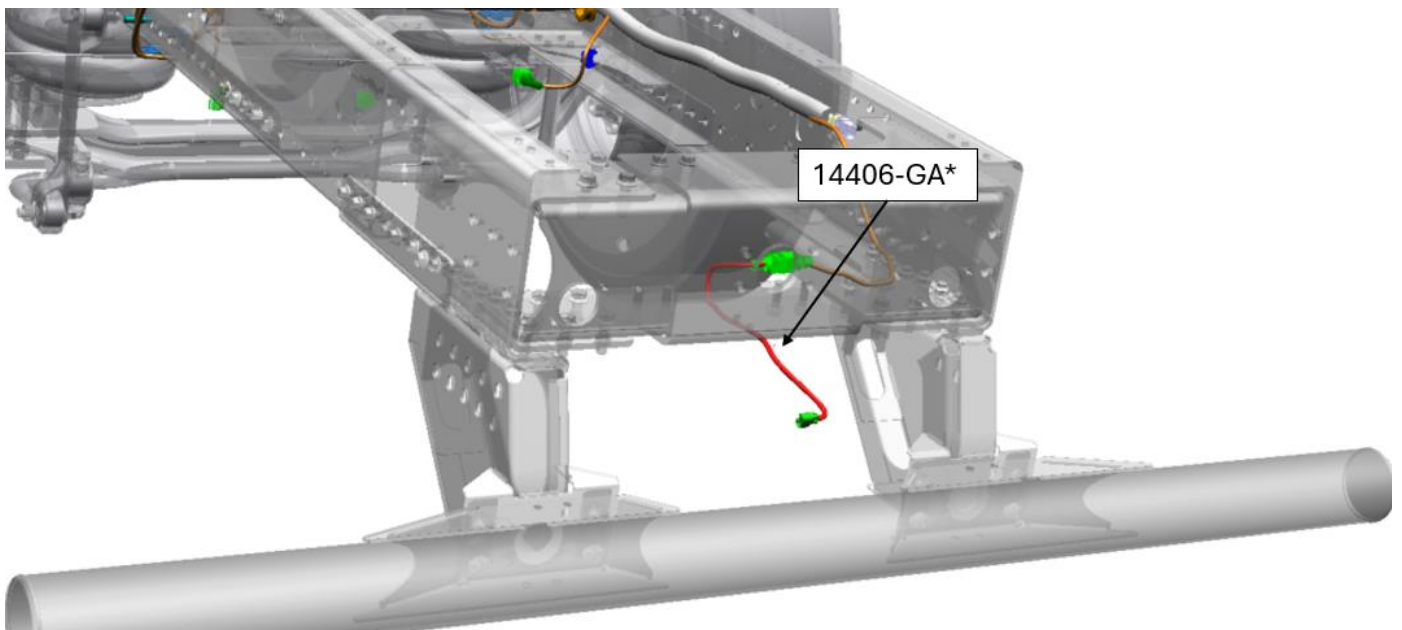
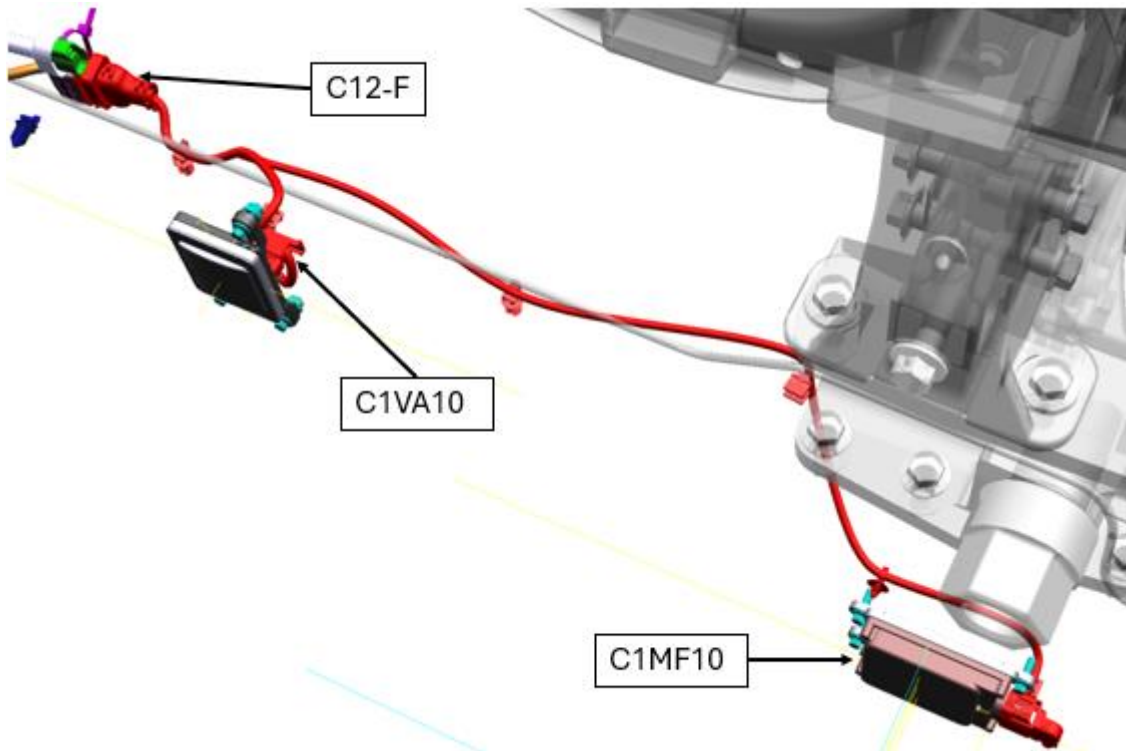
TRUCKS

C11-K, C11-L, C1CL30-A, C1CL30-K Connectors:



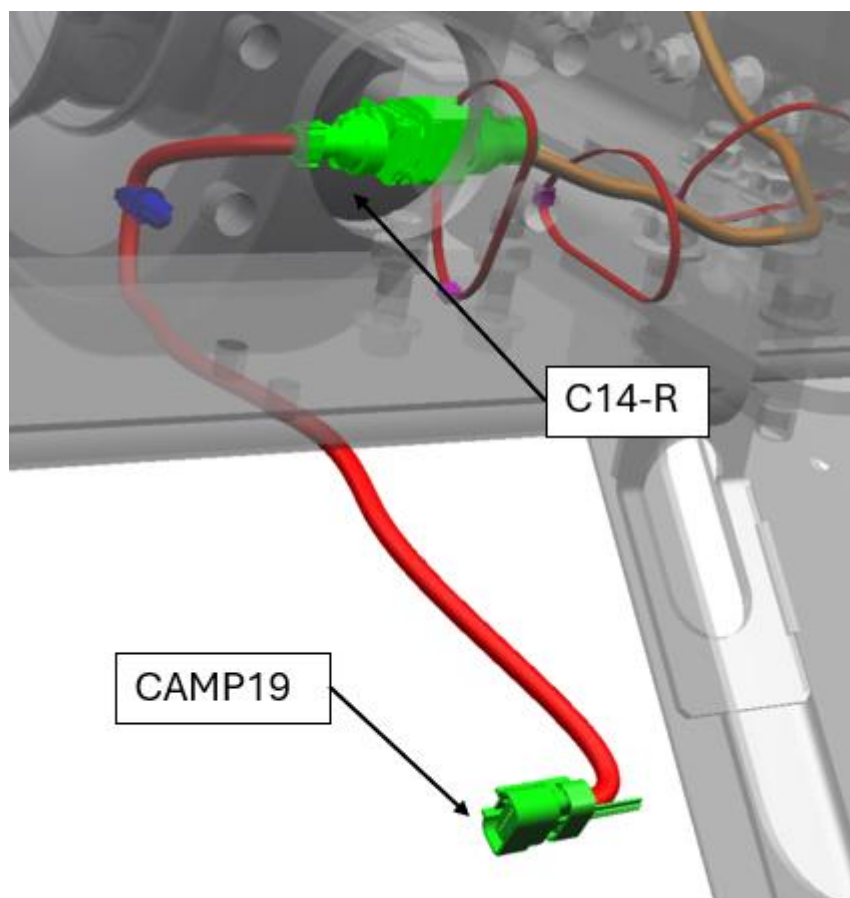
TRUCKS

C12-F, C1VA10, C1MF10 Connectors:

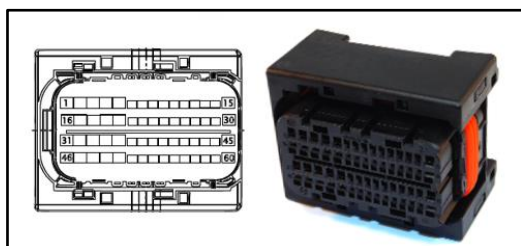


TRUCKS

C14-R, CAMP19 Connectors:



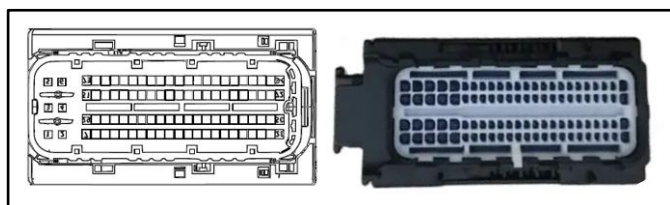
14406 → VCU-Radar Wiring connector descriptions:



Con. Code	C1CL30-A			
Con. Desc.	VEHICLE CONTROL UNIT (A)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCF36	0,75	YELLOW/GREEN	CT Transfer Case Relay
2	RAT10	0,75	WHITE/BLUE	Trailer Lifting Solenoid Output
6	RDC03	0,75	VIOLET/BROWN	VALVE-1 CHANNEL 1 / ECAS Rear 1 Solenoid 1
10	CCD03	0,75	WHITE/BLUE	VALVE-1 CHANNEL 2 / ECAS Rear 1 Solenoid 2
15	GD411D	1,5	BLACK/GREY	Ground

TRUCKS

16	RDC04	0,75	BLUE/ORANGE	VALVE-1 CHANNEL 3 / ECAS Rear 1 Solenoid 3
18	LCL12	0,75	VIOLET/ORANGE	VALVE-2 CHANNEL 1 / ECAS Rear 2 Solenoid 1
19	CCD05	0,75	GREEN/BLUE	VALVE-2 CHANNEL 2 / ECAS Rear 2 Solenoid 2
20	CCD04	0,75	GREY/YELLOW	VALVE-2 CHANNEL 3 / ECAS Rear 2 Solenoid 3
24	CDC37	0,75	GREY/VIOLET	NEUTRAL GEAR SWITCH
25	CDC33	0,75	VIOLET/GREEN	Power Supply Accessory - KL75
26	CBP23B	0,75	BROWN/YELLOW	Power Supply KL15
27	CDC12	0,75	YELLOW	Starter Signal
30	GD411E	1,5	BLACK/GREY	Ground
31	CLS16C	1,5	WHITE/BROWN	RIGHT SIDE MARKER
32	A_VE925	0,75	GREEN/WHITE	PTO Valve Supply
33	CLS15C	1,5	GREEN/VIOLET	REAR AXLE DIFFLOCK 1
36	A_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch
37	CET39	0,75	BLUE/GREY	Reserved Configurable input
39	CYT13	0,75	BROWN/VIOLET	Aux Power Unit Sw
42	LCD19	0,75	VIOLET	ECAS Pressure Sensor 3
45	SBP11D	1,5	BLUE/RED	Power Supply B+
47	RAT09	0,75	WHITE/RED	Trailer Lifting Solenoid Output
49	RCF36	0,75	VIOLET/BROWN	T.C. Available
50	ZA117D	0,75	ORANGE	ECAS Rear1 Solenoid 2
52	ZA387	0,75	ORANGE/BLACK	GARBAGE BRAKE VALVE
53	CCF01	0,75	BROWN	Tag Axle Low Liner Switch
54	CPR78	0,75	VIOLET/ORANGE	Interlock Driver Request Switch
57	VCL19	0,75	GREEN	SENSOR-PRESSURE REAR AXLE RHS Signal
58	ZA117E	0,75	ORANGE	ECAS Rear2 Solenoid 1
60	SBP11E	1,5	BLUE/RED	Power Supply B+

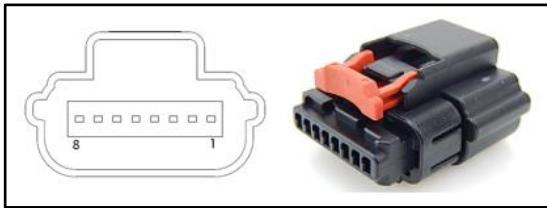


Con. Code	C1CL30-K			
Con. Desc.	VEHICLE CONTROL UNIT (K)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP11A	1,5	BLUE/RED	Power Supply B+

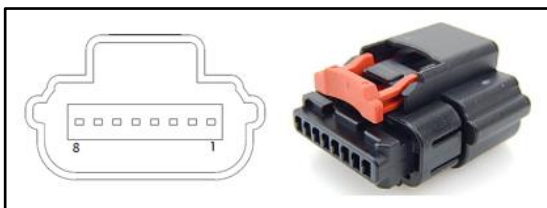
TRUCKS

2	GD411A	1,5	BLACK/GREY	Ground
3	SBP11B	1,5	BLUE/RED	Power Supply B+
4	GD411B	1,5	BLACK/GREY	Ground
5	SBP11C	1,5	BLUE/RED	Power Supply B+
6	GD411C	1,5	BLACK/GREY	Ground
8	B_VE925	0,75	GREEN/WHITE	PTO Valve Supply
10	VDC13B	0,75	GREEN/VIOLET	ECAS / Autodrop Height Sensor 1
18	RCL40A	0,75	BLUE/BROWN	ECAS/Autodrop Height Sensor 3 Ground
19	RCL23	0,75	VIOLET/GREEN	5V SENSOR GND 19
24	CET36	0,75	VIOLET/ORANGE	Wake-Up
29	RCA21	0,75	BROWN/GREEN	SOL DIFFLOCK 1 VALVE
30	B_CET47	0,75	BLUE	REVERSE GEAR SWITCH
31	VDC13M	0,75	GREEN/VIOLET	Sensor Autodrop 3 Signal
33	ZA327	0,75	ORANGE/BLUE	REAR AXLE DIFFLOCK 1
34	VDC13N	0,75	GREEN/VIOLET	Sensor Autodrop 4 Signal
37	ZA125	0,75	ORANGE	REAR AXLE DIFFLOCK 2
40	B_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch
46	RMC27	0,75	WHITE/BROWN	ECAS/Autodrop Height Sensor 1 Ground
47	ZA111	0,75	ORANGE/BLUE	SENSOR-PRESSURE REAR AXLE GROUND
66	VDB05CF	0,75	WHITE	V_CAN1(-)
66	VDB05A	0,75	GREY/BLUE	V_CAN1(-)
68	VDB28A	0,75	WHITE/GREEN	ECM FLASH(-)
72	VCA38	0,75	BROWN/VIOLET	ECAS/Autodrop Height Sensor 1 Power
73	CHP05	0,75	YELLOW/ORANGE	SOL INTERLOCK VALVE
74	RCA37	0,75	WHITE/BLUE	cAPU sensor 2 input
75	VDC13C	0,75	GREEN/VIOLET	SENSOR-AUTODROP 2
78	LCA37	0,75	WHITE/BLUE	cAPU sensor 1 input
79	RCL24	0,75	GREY/YELLOW	PTO Valve Supply
88	VDB04CF	0,75	WHITE/BLUE	V_CAN1(+)
88	VDB04A	0,75	GREEN/ORANGE	V_CAN1(+)
90	VDB27A	0,75	GREY/VIOLET	ECM FLASH(+)
93	ZA112	0,75	ORANGE/GREEN	SENSOR-PRESSURE REAR AXLE POWER SUPPLY
94	LCL40A	0,75	YELLOW/ORANGE	Power Supply APU / Height Rear Axle Sensor

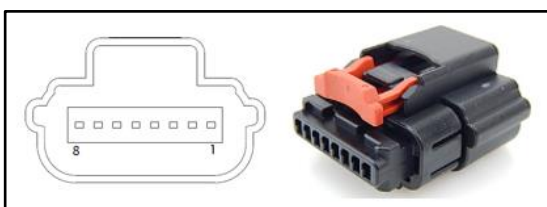
TRUCKS



Con. Code	C1VA10			
Con. Desc.	TO SHORT RANGE RADAR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VMF10A	0,75	WHITE/VIOLET	PRIVATE/CAN H
2	VMF11A	0,75	WHITE/ORANGE	PRIVATE/CAN L
5	CBP59S	0,75	BROWN/WHITE	Power Supply KL15
6	VDB11AH	0,75	BROWN/GREEN	V-CAN3 (+)
7	VDB12AH	0,75	BROWN/BLUE	Power Supply KL15
8	GD185S	0,75	BLACK/WHITE	Ground



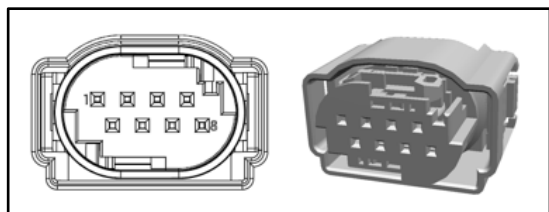
Con. Code	C1VA11			
Con. Desc.	SIDE SHORT RANGE RADAR-1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VMF10C	0,75	WHITE/VIOLET	PRIVATE/CAN H
2	VMF11C	0,75	WHITE/ORANGE	PRIVATE/CAN L
5	CBP59G	0,75	BROWN/WHITE	Power Supply KL15
8	GD185G	0,75	BLACK/WHITE	Ground



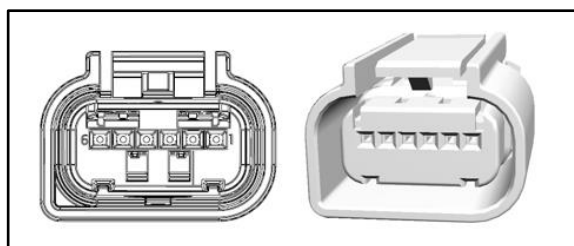
Con. Code	C1VA12			
Con. Desc.	SIDE SHORT RANGE RADAR-2			

TRUCKS

Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
5	CBP59H	0,75	BROWN/WHITE	Power Supply KL15
6	VMF10D	0,75	WHITE/VIOLET	PRIVATE/CAN H
7	VMF11D	0,75	WHITE/ORANGE	PRIVATE/CAN L
8	GD185H	0,75	BLACK/WHITE	Ground



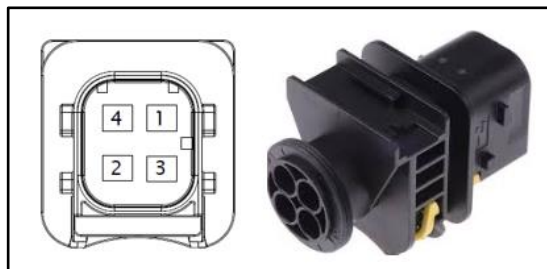
Con. Code	C1MF10			
Con. Desc.	MODULE-LONG RANGE RADAR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP04L	0,75	VIOLET	Power Supply KL15
4	VMF05	0,75	GREY/BLUE	PRIVATE CAN / L
7	VMF04	0,75	BROWN/BLUE	PRIVATE CAN / H
8	GD185L	0,75	BLACK/WHITE	Ground



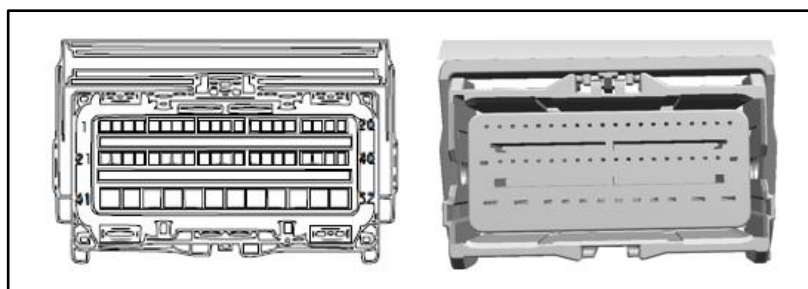
Con. Code	CAMP19			
Con. Desc.	CAMERA-REAR PARKING AID			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB47	0,75	WHITE/RED	Power Supply
2	VDN04N	0,75	VIOLET/WHITE	LIN BUS
3	RMP19D	0,75	BLUE/GREY	VID -

TRUCKS

4	VMP19D	0,75	WHITE/GREEN	VID +
5	DMP19M1	0,75	GREY	VID D



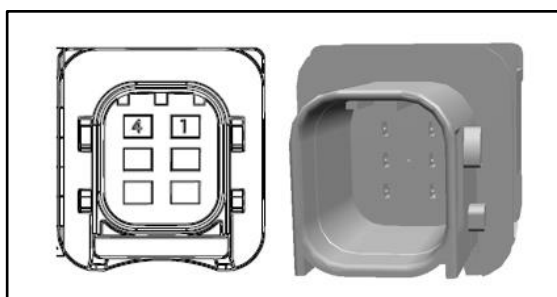
Con. Code	C11-S			
Con. Desc.	TO 14398			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VMF10B	0,75	WHITE/VIOLET	PRIVATE/CAN H
2	VMF11B	0,75	WHITE/ORANGE	PRIVATE/CAN L
3	GD185F	0,75	BLACK/WHITE	Ground
4	CBP59F	0,75	BROWN/WHITE	Power Supply KL15



Con. Code	C11-L			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VCL19	0,75	GREEN	SENSOR-PRESSURE REAR AXLE RHS Signal
2	LDC19	0,75	VIOLET	SENSOR-PRESSURE REAR AXLE LHS Signal
3	RDC03	0,75	VIOLET/BROWN	VALVE-1 CHANNEL 1
4	CCD03	0,75	WHITE/BLUE	VALVE-1 CHANNEL 2
5	LCL12	0,75	VIOLET/ORANGE	VALVE-2 CHANNEL 1
6	CCD05	0,75	GREEN/BLUE	VALVE-2 CHANNEL 2
7	CCD04	0,75	GREY/YELLOW	VALVE-2 CHANNEL 3
8	A_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch
9	A_VE925	0,75	GREEN/WHITE	PTO Valve Supply
10	CYT13	0,75	BROWN/VIOLET	Aux Power Unit Sw

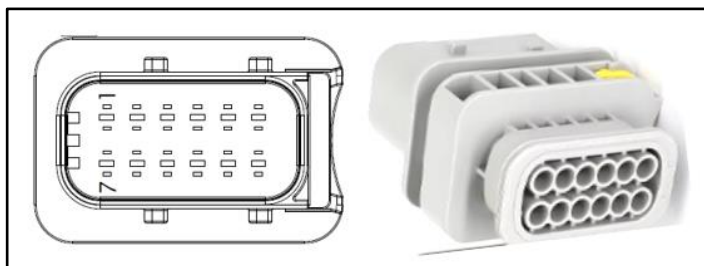
TRUCKS

11	CDC37A	0,75	GREY/VIOLET	NEUTRAL GEAR SWITCH
12	ZA387	0,75	ORANGE/BLACK	GARBAGE BRAKE VALVE
13	RAT09	0,75	GREEN/WHITE	Power Supply
14	VCF36	0,75	YELLOW/GREEN	T.C. Available Relay
16	RCF10	0,75	VIOLET/GREEN	Power Supply
24	RCL18A	0,75	VIOLET/WHITE	TAG AXLE/LOW LINER SW
25	CDC33A	0,75	VIOLET/GREEN	Vehicle Control Unit KL75
26	RDC04	0,75	BLUE/ORANGE	VALVE-1 CHANNEL 3
27	CDC12B	0,75	YELLOW	Alcohol Interlock KL15
33	RAT10	0,75	WHITE/BLUE	Power Supply
37	ZA117B	0,75	ORANGE	VALVE-1 CHANNEL 4
38	ZA112	0,75	ORANGE/GREEN	SENSOR-PRESSURE REAR AXLE POWER SUPPLY
39	CBP23	0,75	BROWN/YELLOW	Vehicle Control Unit KL15
41	GD411D	1,5	BLACK/GREY	Vehicle Control Unit Ground Ground(15)
42	GD411E	1,5	BLACK/GREY	Vehicle Control Unit Ground Ground(30)
43	CLS15	1,5	GREEN/VIOLET	REAR AXLE DIFFLOCK 1
50	CLS16	1,5	WHITE/BROWN	RIGHT SIDE MARKER
51	SBP11D	1,5	BLUE/RED	VEHICLE CONTROL UNIT B+
52	SBP11E	1,5	BLUE/RED	VEHICLE CONTROL UNIT B+ (60)

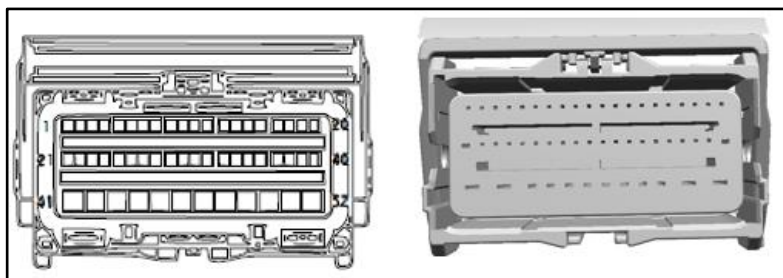


Con. Code	C14-R			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBB47	0,75	White/Red	Camera-Rear Parking Aid Power Supply
2	VDN04N	0,75	Violet/White	Rear Parking Aid LIN
3	RMP19D	0,75	Blue/Grey	Rear Parking Aid VID -
4	VMP19D	0,75	White/Green	Rear Parking Aid VID +
5	DMP19C1	0,75	Grey	Rear Parking Aid VID D

TRUCKS



Con. Code	C12-F			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP59S	0,75	BROWN/WHITE	Power Supply KL15
2	VMF10A	0,75	WHITE/VIOLET	PRIVATE/CAN H
3	VMF11A	0,75	WHITE/ORANGE	PRIVATE CAN /L
4	GD185R	0,75	BLACK/WHITE	Ground
5	VDB11AH	0,75	BROWN/GREEN	V-CAN3 (+)
6	VDB12AH	0,75	BROWN/BLUE	V-CAN3 (-)
8	CBP04L	0,75	WHITE/BROWN	Power Supply KL15
9	VMF04	0,75	BROWN/BLUW	PRIVATE CAN/H
10	VMF05	0,75	GREY/BLUE	PRIVATE CAN/L



Con. Code	C11-K			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	LCA37	0,75	YELLOW/ORANGE	cAPU sensor 1 input
2	RCA37	0,75	WHITE/BLUE	cAPU sensor 2 input
4	VDC13L	0,75	GREEN/VIOLET	Sensor Autodrop 2 Signal
5	VDC13A	0,75	GREEN/VIOLET	SENSOR-HEIGHT REAR AXLE RHS Signal
6	VDC13A1	0,75	GREEN/VIOLET	SENSOR-HEIGHT REAR AXLE RHS Signal
7	B_RE327	0,75	GREY/VIOLET	PTO Acknowledgement Switch
8	B_VE925	0,75	GREEN/WHITE	PTO Valve Supply

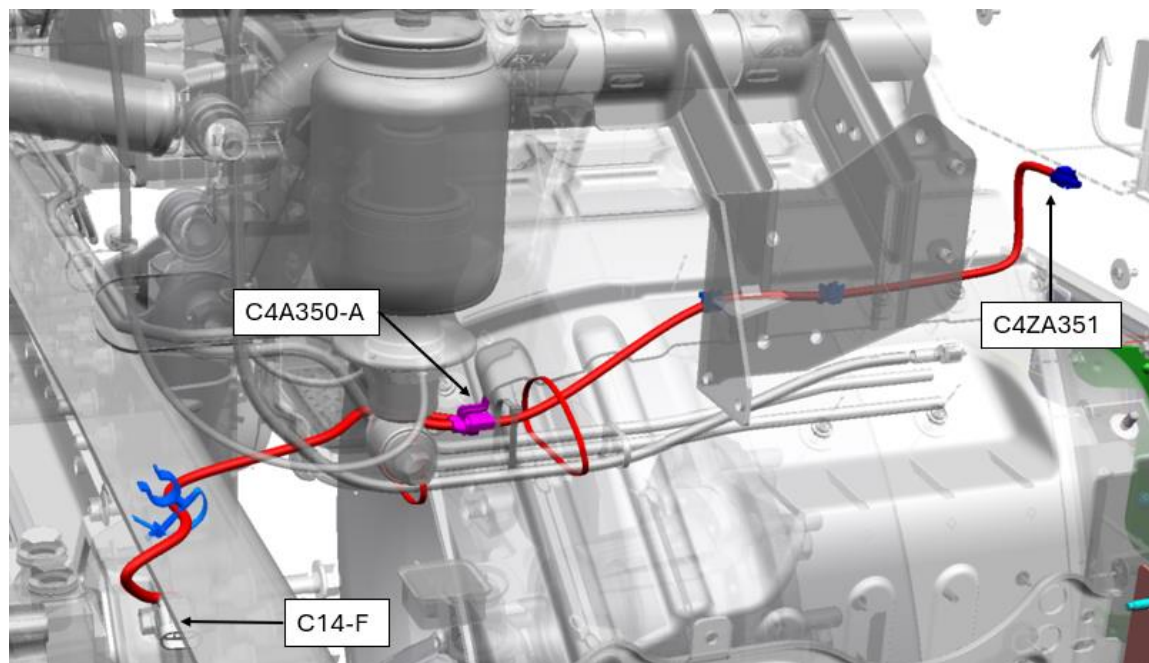
TRUCKS

9	B_CET47A	0,75	BLUE	Switch Reverse Gear Signal 2
10	ZA327	0,75	ORANGE/BLUE	Rear Axle Difflock 1
11	ZA125	0,75	ORANGE	Rear Axle Difflock 2
12	CHP05C	0,75	YELLOW/ORANGE	Solenoid Interlock Valve
13	RCA21E	0,75	BROWN/GREEN	SOL DIFFLOCK 1 VALVE
21	GD411A	1,5	BLACK/GREY	Ground
25	VDB04F	0,75	WHITE/BLUE	V_CAN1 +
26	VDB05F	0,75	WHITE	V_CAN1 -
27	VDB27B	0,75	GREY/VIOLET	ECM FLASH(+)
28	VDB28B	0,75	WHITE/GREEN	ECM FLASH(-)
30	RCL23	0,75	VIOLET/GREEN	5V SENSOR GND
31	RCL24	0,75	GREY/YELLOW	PTO Valve Supply
32	RMC27	0,75	WHITE/BROWN	ECAS/Autodrop Height Sensor 1 Ground
32	RCL40A	0,75	BLUE/BROWN	ECAS/Autodrop Height Sensor 3 Ground
33	RCL40A	0,75	BLUE/BROWN	ECAS/Autodrop Height Sensor 3 Ground
34	ZA111	0,75	ORANGE/BLUE	SENSOR-PRESSURE REAR AXLE GROUND
36	VCA38	0,75	BROWN/VIOLET	ECAS/Autodrop Height Sensor 1 Power
37	LCL40A	0,75	YELLOW/ORANGE	Power Supply APU / Height Rear Axle Sensor
39	CET36A	0,75	VIOLET/ORANGE	Vehicle Control Unit Wake Up
40	SBP11A	1,5	BLUE/RED	Battery Power Supply B+(1) / VCU
41	GD411B	1,5	BLACK/GREY	Ground
42	GD411C	1,5	BLACK/GREY	Ground
51	SBP11B	1,5	BLUE/RED	Battery Power Supply B+(3) / VCU
52	SBP11C	1,5	BLUE/RED	Battery Power Supply B+ / VCU

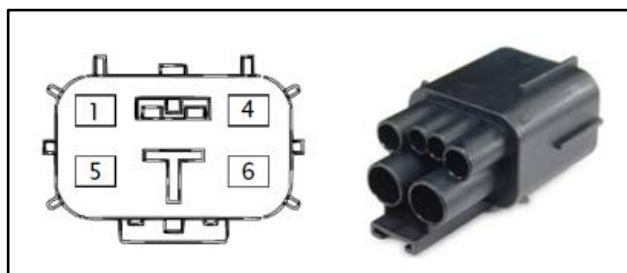
TRUCKS

3.3.14.14C574: Electrical Cab Tilting Wiring

C14-F, C4A350-A, C4ZA351 Connectors:

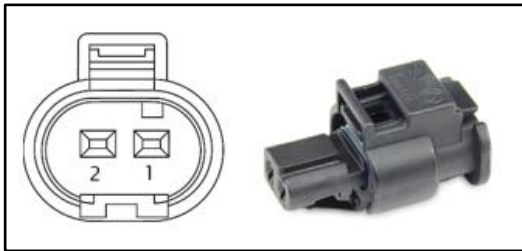


14C574 → Electrical Cab Tilting Wiring connector descriptions:

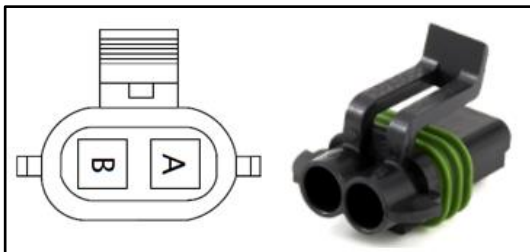


Con. Code	C14-F			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	ZA321	0,75	Orange/Grey	Cabin Tilting Switch
5	A_GD150G	4	Black/White	Cabin Tilting Ground
6	ZA322	4	Orange/White	Cabin Tilting Power

TRUCKS



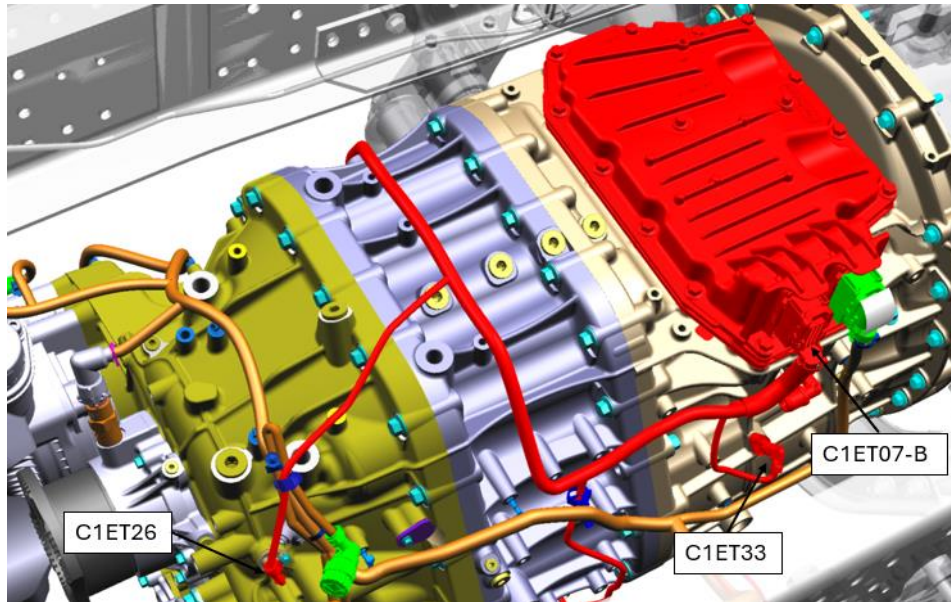
Con. Code	C4ZA351			
Con. Desc.	SWITCH-CABIN TILTING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD150I	0,75	Black/White	Cabin Tilting Ground
2	ZA321	0,75	Orange/Grey	Cabin Tilting Switch



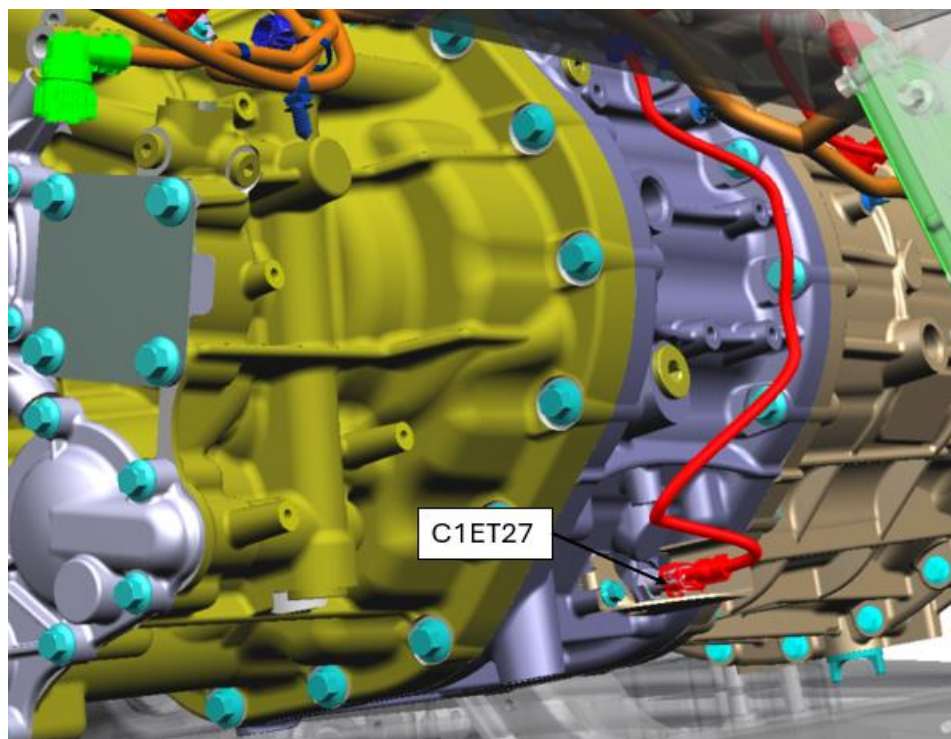
Con. Code	C4A350-A			
Con. Desc.	MOTOR-CABIN TILTING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA322	0,75	ORANGE/WHITE	Power Supply KL30
2	A_GD150H	0,75	BLACK/WHITE	Ground

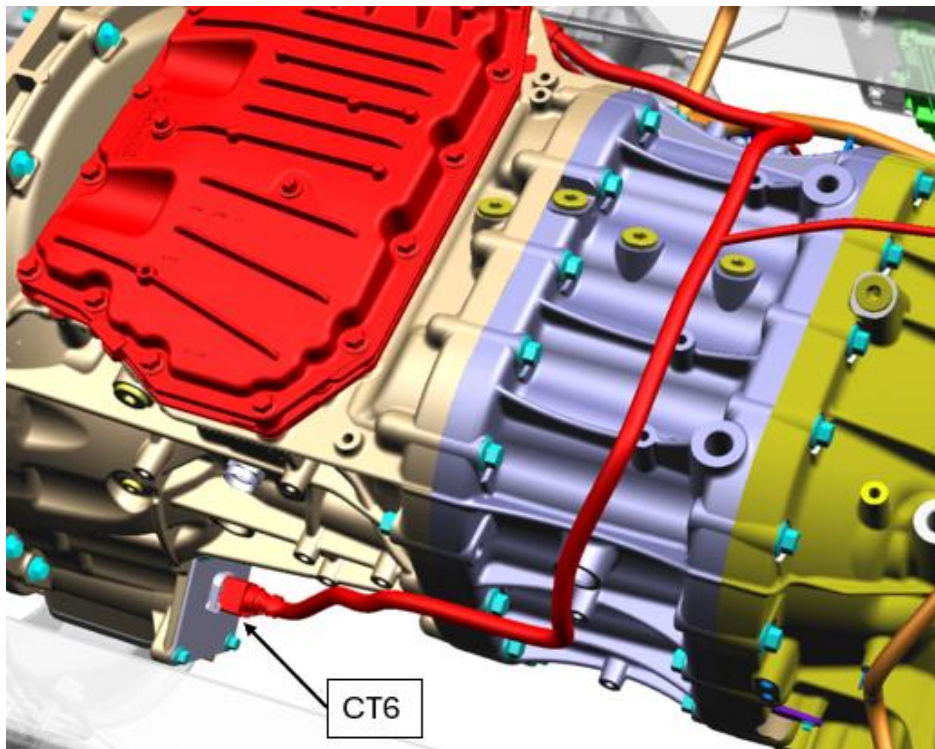
3.3.15. 7E443: In House Transmission Wiring

C1ET26, C1ET33, C1ET07-B Connectors:

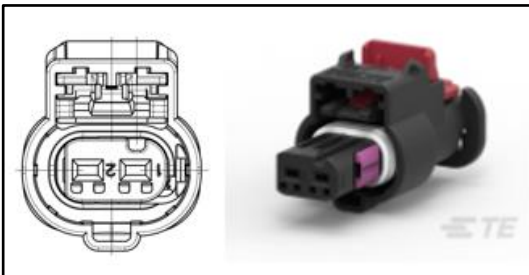


C1ET27 Connector:



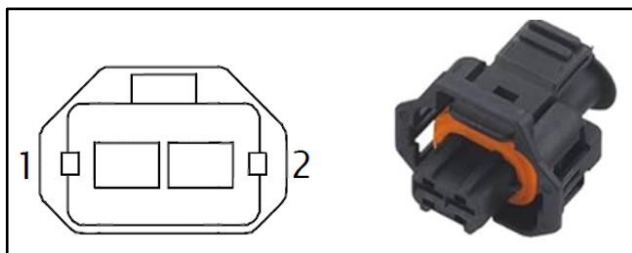


7E443 → In House Transmission Wiring connector descriptions:

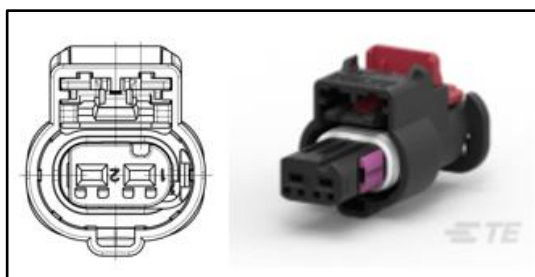


Con. Code	C1ET26			
Con. Desc.	TO SENSOR OUTPUT SPEED			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA229	0,75	ORANGE/GREY	Sensor Signal
2	ZA228	0,75	ORANGE/GREEN	Ground

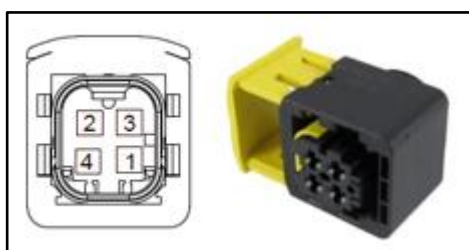
TRUCKS



Con. Code	C1ET27			
Con. Desc.	SUMP TEMP			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA232	0,75	ORANGE/YELLOW	Sensor Signal
2	ZA233	0,75	ORANGE	Ground



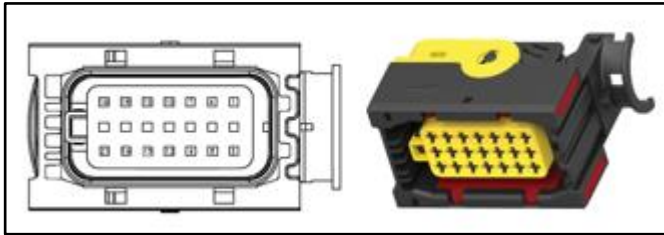
Con. Code	C1ET33			
Con. Desc.	LAYSHAFT SPEED SENSOR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RET33A	0,75	BLACK	Sensor Signal
2	VET33A	0,75	ORANGE/GREEN	Ground



Con. Code	CT6			
Con. Desc.	TO CPCA			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA231	0,75	ORANGE/BLACK	Pos Clutch U5
2	ZA225	0,75	ORANGE	Pos Clutch Ground
3	ZA226	0,75	ORANGE/YELLOW	Pos Clutch

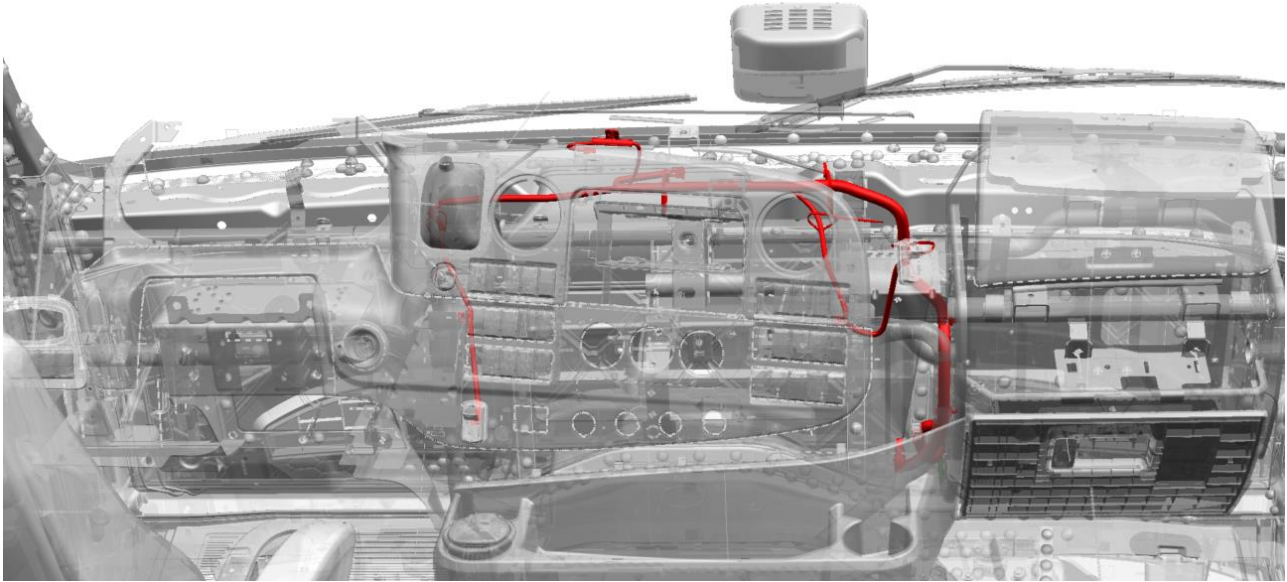
TRUCKS

4	ZA227	0,75	ORANGE/BLUE	Pos Clutch 2
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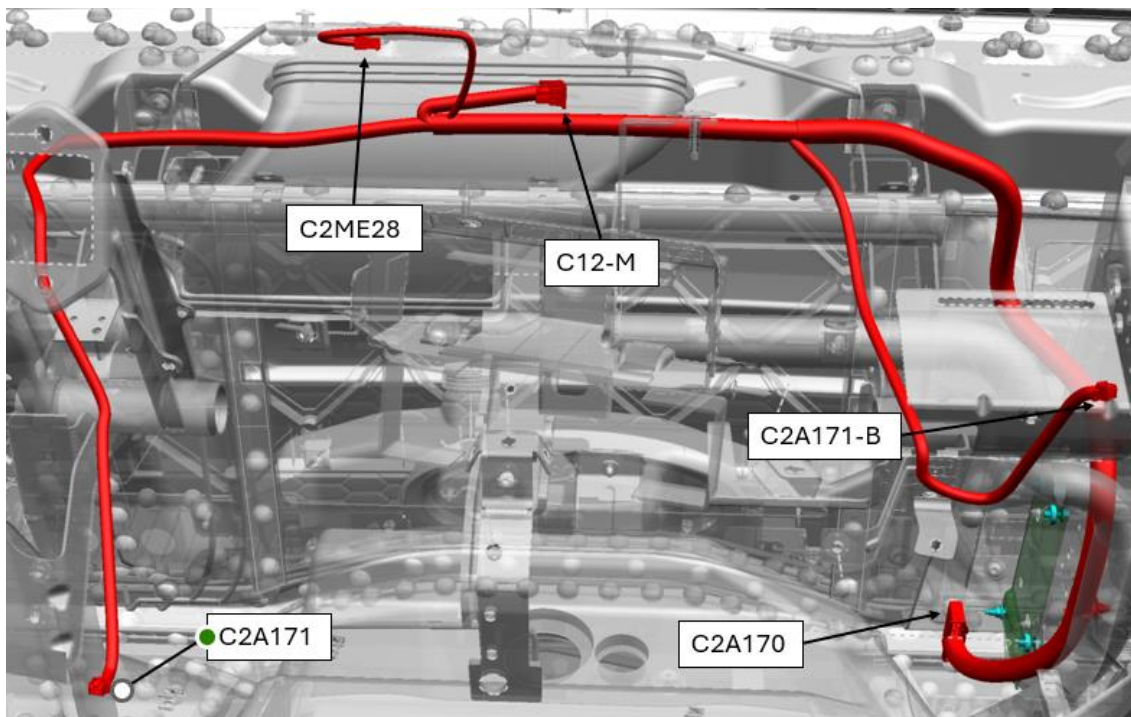


Con. Code	C1ET07-B			
Con. Desc.	SCU SHIFTING CONTROL UNIT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
5	ZA232	0,75	ORANGE/YELLOW	SUMP TEMP P1 / Analog Input
11	ZA233	0,75	ORANGE	SUMP TEMP P2 / Ground
12	ZA225	0,75	ORANGE	CPCA P2 / Pos Clutch Ground
15	ZA227	0,75	ORANGE/BLUE	CPCA P4 / Pos Clutch 2
16	RET33A	0,75	BLACK	LAYSHAFT SPEED SENSOR SIGNAL
17	ZA229	0,75	ORANGE/GREY	OUTPUT SPEED SENSOR P1
18	ZA226	0,75	ORANGE/YELLOW	CPCA P3 / Pos Clutch
19	VET33A	0,75	ORANGE/GREEN	LAYSHAFT SPEED SENSOR GROUND
20	ZA228	0,75	ORANGE/GREEN	OUTPUT SPEED SENSOR P2
21	ZA231	0,75	ORANGE/BLACK	CPCA P1 / Pos Clutch U5

3.3.16. 3D096: Era Glonass Wiring

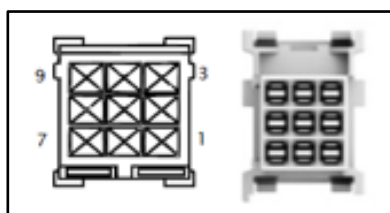


C12-M, C2ME28, C2A170, C2A171, C2A171-B Connectors:

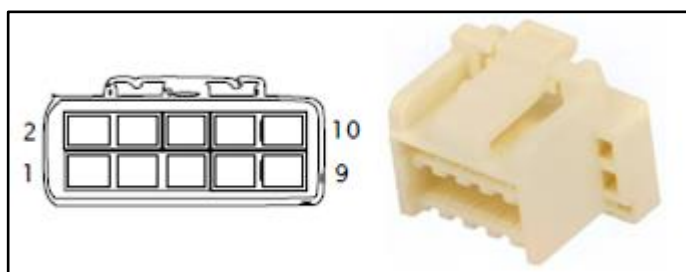


TRUCKS

3D096→ Era Glonass Wiring connector descriptions:



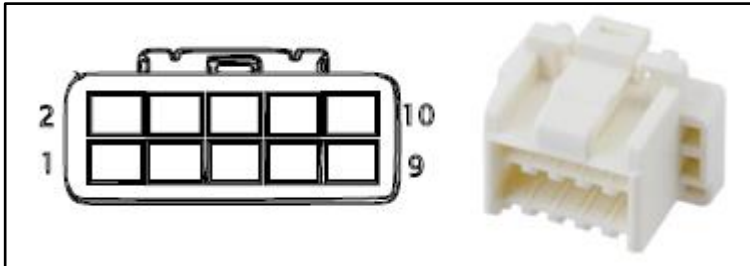
Con. Code	C12-M			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP39B	0,5	WHITE/RED	MODULE-ERA GLONASS POWER SUPPLY KL30
2	A_GD114K	0,5	BLACK/BLUE	MODULE-ERA GLONASS GROUND
3	CBP31C	0,5	BLUE/ORANGE	MODULE-ERA GLONASS POWER SUPPLY KL15
4	ZA135B	0,35	ORANGE/BLUE	MODULE-ERA GLONASS MUTE +
5	VMR33A	0,5	YELLOW/GREY	I_CAN +
6	VMR34A	0,5	WHITE/BROWN	I_CAN -
8	CLN04E	0,35	BLUE/BROWN	MODULE-ERA GLONASS DIMMING



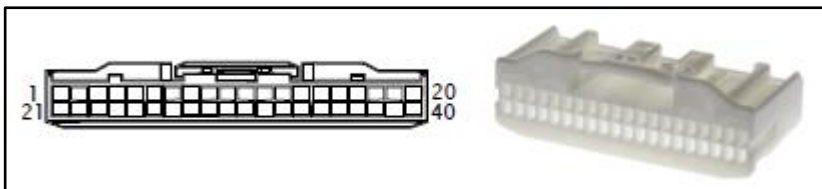
Con. Code	C2A171			
Con. Desc.	SWITCH-DRIVER SOS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ZA380	0,22	WHITE	D_OUT 2
2	ZA381	0,22	ORANGE	D_OUT 1
3	CAP14	0,22	BROWN	SOS BUTTON
4	CMT07	0,22	GREEN	SERVICE BUTTON
5	ZA382	0,22	YELLOW	LED RED
6	ZA383	-	ORANGE	LED GREEN
7	CBX07	0,22	RED	POWER

TRUCKS

8	RMM13	-	BLUE	MIC -
9	ZA384	0,22	GREEN	MIC +
10	VMM13	0,22	YELLOW	GROUND



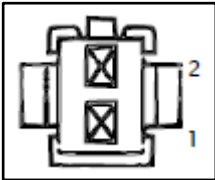
Con. Code	C2A171-B			
Con. Desc.	SWITCH-PASSENGER SOS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	CAP14A	0,22	BROWN	SOS BUTTON
5	ZA382A	0,22	YELLOW	LED RED
7	CBX07A	0,22	RED	POWER
9	ZA384A	0,22	GREEN	GROUND



Con. Code	C2A170			
Con. Desc.	SWITCH-DRIVER SOS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	SBP39B	0,5	WHITE/RED	Power Supply KL30
2	CBP31C	0,35	BLUE/ORANGE	Power Supply KL30
4	ZA383	-	ORANGE	LED GREEN
5	ZA382B	-	YELLOW	LED RED
6	VMR33A	0,5	YELLOW/GREY	I_CAN +
7	VMR34A	0,5	WHITE/BROWN	I_CAN -
8	ZA135B	0,35	ORANGE/BLUE	MUTE +
14	VME28	0,5	BROWN/VIOLET	LOUD SPEAKER +

TRUCKS

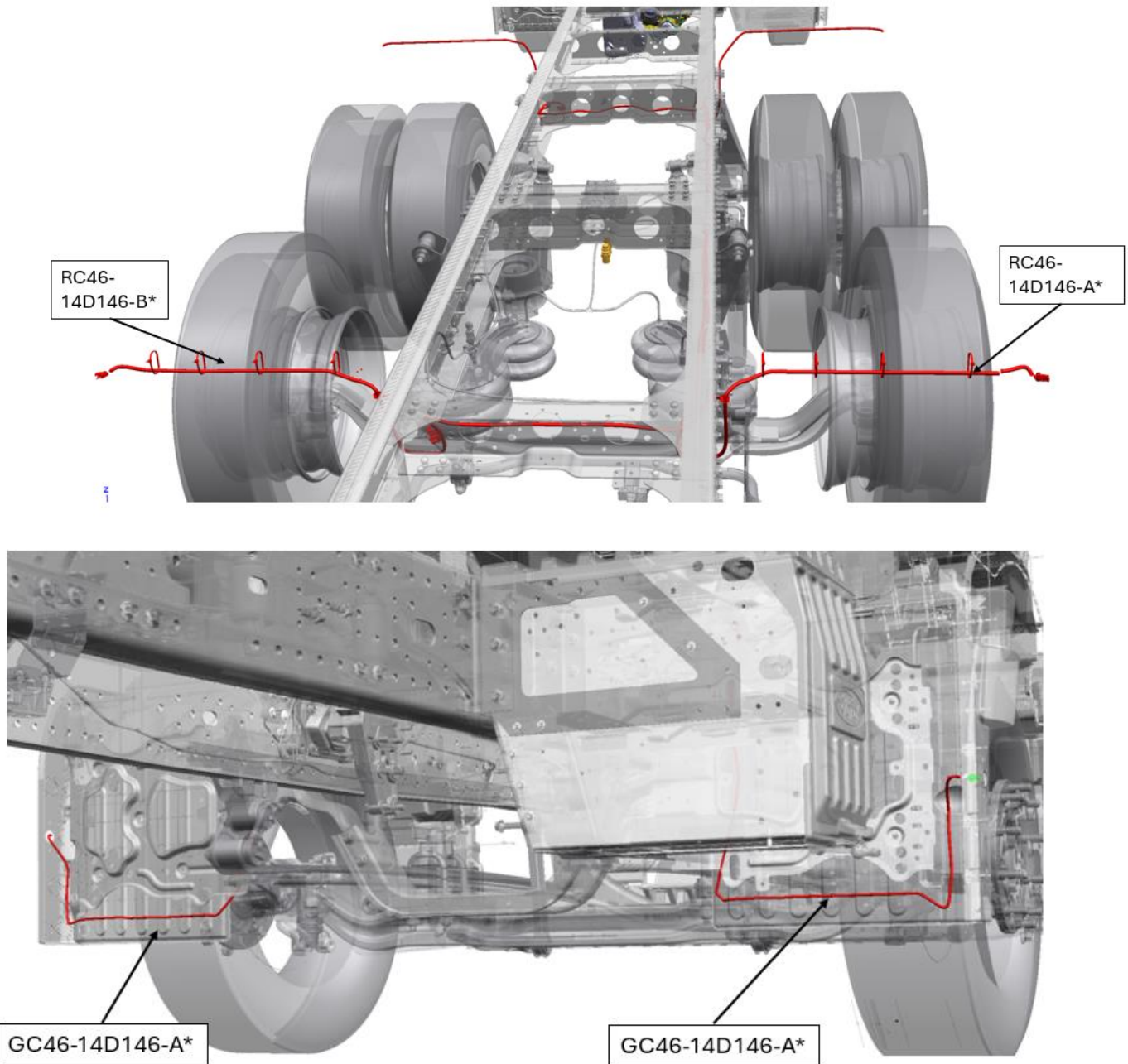
15	RME28	0,5	BROWN/GREEN	LOUD SPEAKER -
16	RMM13	-	BLUE	MIC -
17	VMM13	0,22	YELLOW	MIC +
18	CBX07B	0,22	RED	BIP BACKLIGHT
19	ZA384B	0,22	GREEN	BIP GND
22	CLN04E	0,35	BLUE/BROWN	DIMMING
28	A_GD114K	0,5	BLACK/BLUE	GROUND
34	CMT07	0,22	GREEN	SERVICE BUTTON
37	CAP14B	0,22	BROWN	SOS BUTTON
38	ZA381	0,22	ORANGE	D_OUT1
39	ZA380	0,22	WHITE	D_OUT2



Con. Code	C2ME28			
Con. Desc.	SPEAKER-ERA GLONASS			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VME28	0,5	BROWN/VIOLET	LOUD SPEAKER +
2	RME28	0,5	BROWN/GREEN	LOUD SPEAKER -

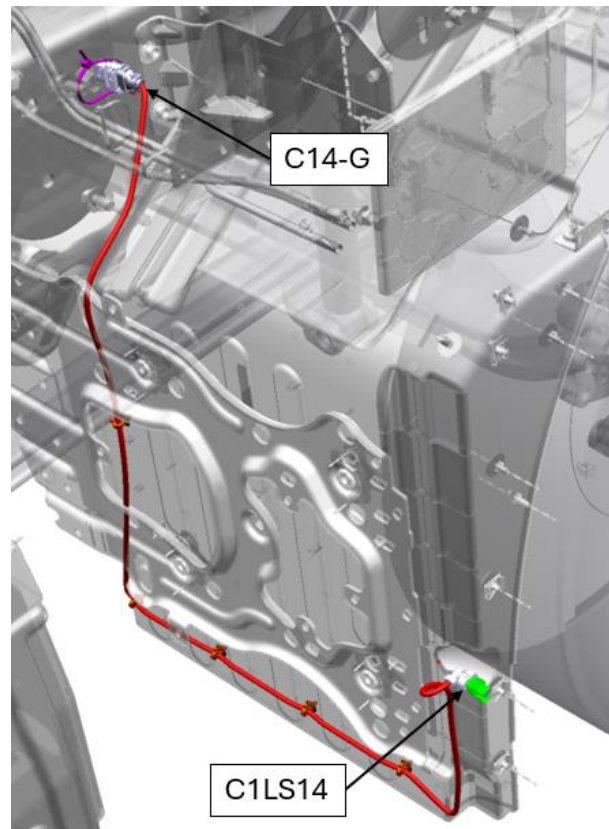
TRUCKS

3.3.17. 14D146: Sidemarker Wiring

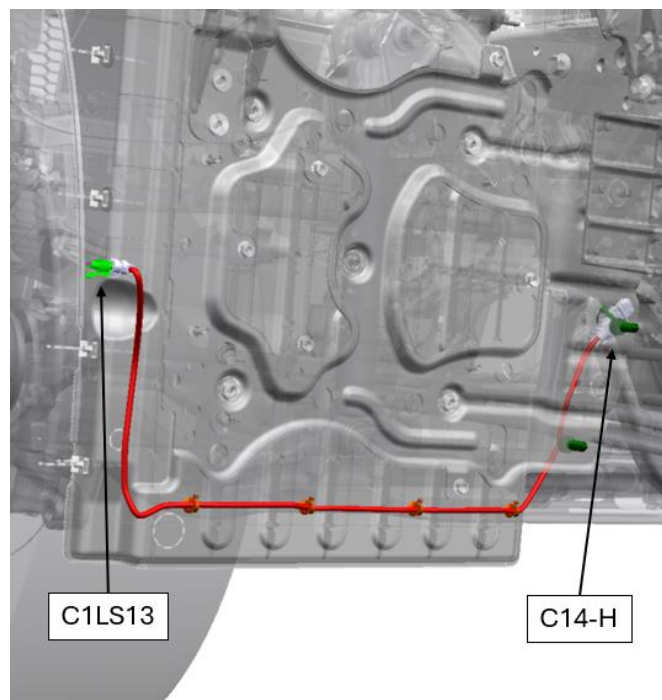


TRUCKS

C14-G, C1LS14 Connectors:

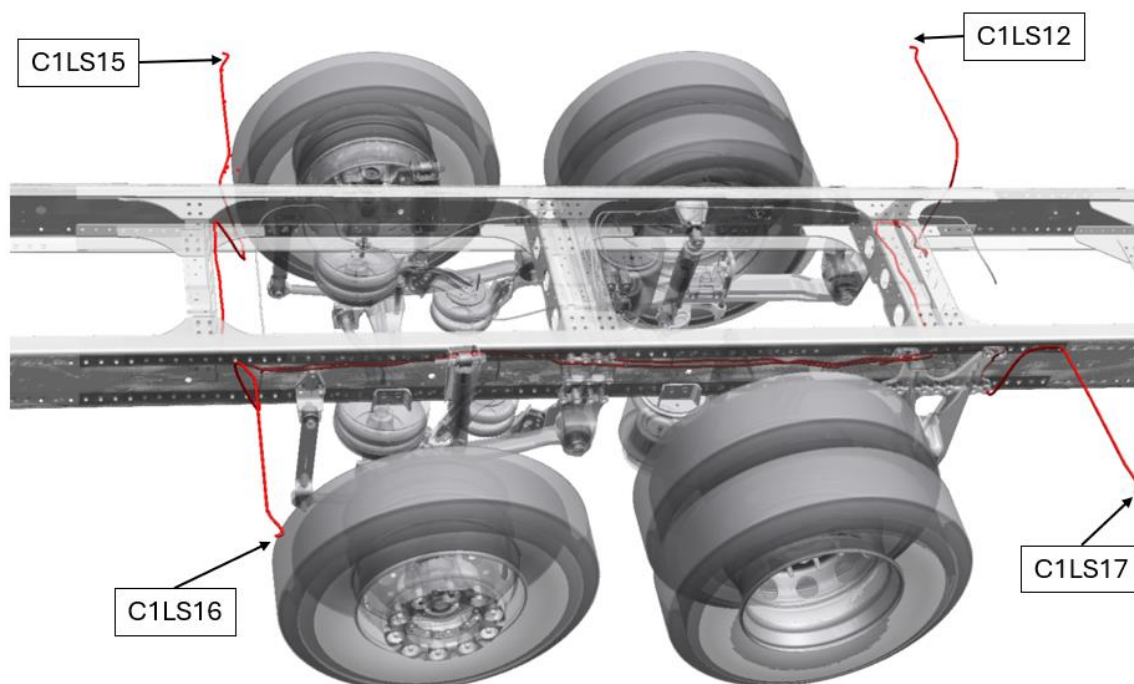


C14-H, C1LS13 Connectors:

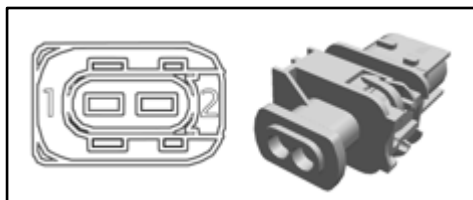


TRUCKS

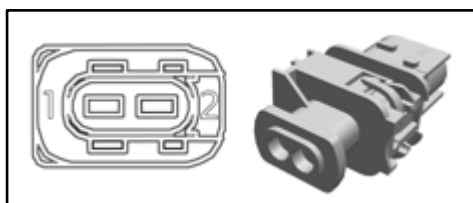
C1LS12, C1LS15, C1LS16, C1LS17 Connectors:



14D146→ Sidemarker Wiring connector descriptions:



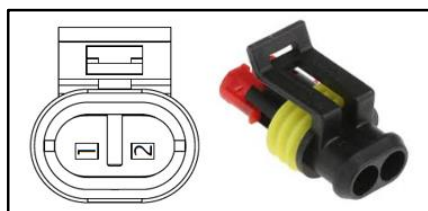
Con. Code	C14-K			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS15A	1,5	GREEN/VIOLET	Vehicle Control Unit – Left Sidemarker
2	A_GD152E	1,5	BLACK/BLUE	GROUND



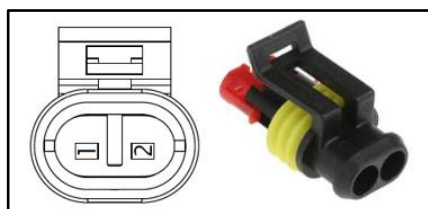
Con. Code	C14-J
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TRUCKS

Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLS16A	1,5	WHITE/BROWN	Vehicle Control Unit – Right Sidemarker
2	A_GD152D	1,5	BLACK/BLUE	GROUND

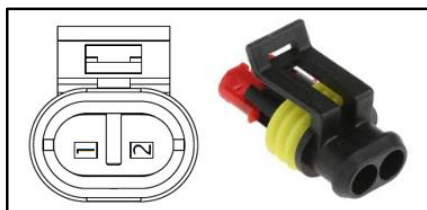


Con. Code	C1LS12			
Con. Desc.	LAMP-SIDE MARKER MIDDLE LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152G	0,75	BLACK/BLUE	Ground
2	CLS15C	0,75	GREEN/VIOLET	Vehicle Control Unit – Left Sidemarker

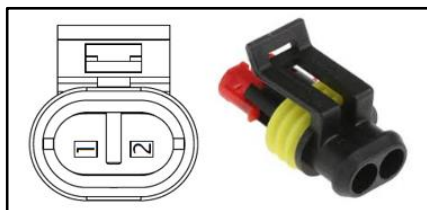


Con. Code	C1LS13			
Con. Desc.	LAMP-SIDE MARKER FRONT LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152F	0,75	BLACK/BLUE	Ground
1	B_GD120BA	0,75	BLACK/GREEN	Ground
2	CLS15B	0,75	GREEN/VIOLET	Vehicle Control Unit – Left Sidemarker
2	CLS21CA	0,75	BLUE/GREEN	BCM/ TurnFront&SideLeftSupply

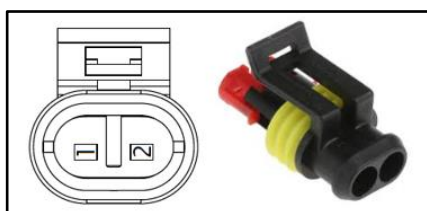
TRUCKS



Con. Code	C1LS15			
Con. Desc.	LAMP-SIDE MARKER REAR LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152H	0,75	BLACK/BLUE	Ground
2	CLS15D	0,75	GREEN/VIOLET	Vehicle Control Unit – Left Sidemarker



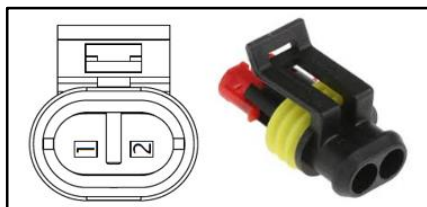
Con. Code	C1LS17			
Con. Desc.	LAMP-SIDE MARKER MIDDLE RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152B	0,75	BLACK/BLUE	Ground
2	CLS16C	0,75	WHITE/BROWN	Vehicle Control Unit – Right Sidemarker



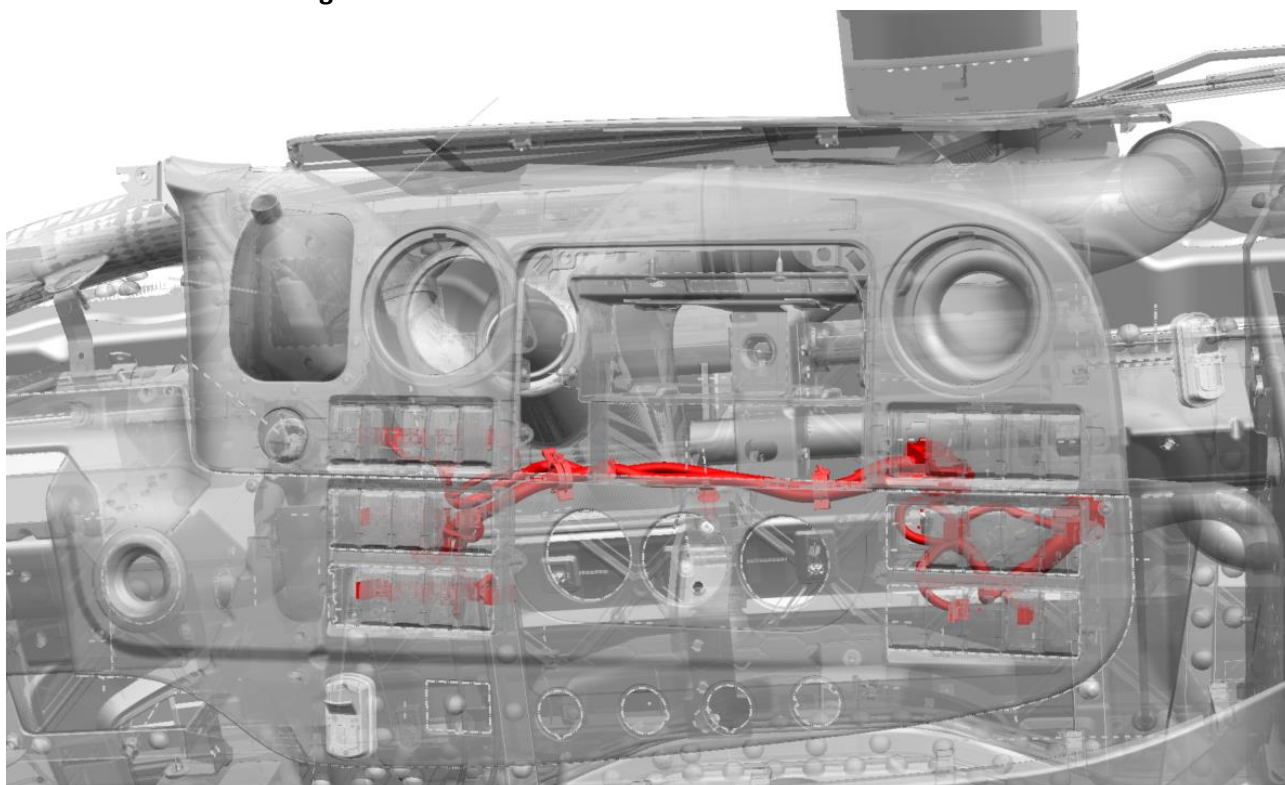
Con. Code	C1LS14			
Con. Desc.	LAMP-SIDE MARKER FRONT RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152A	0,75	BLACK/BLUE	Ground
1	A_GD120BA	0,75	BLACK/GREEN	Ground

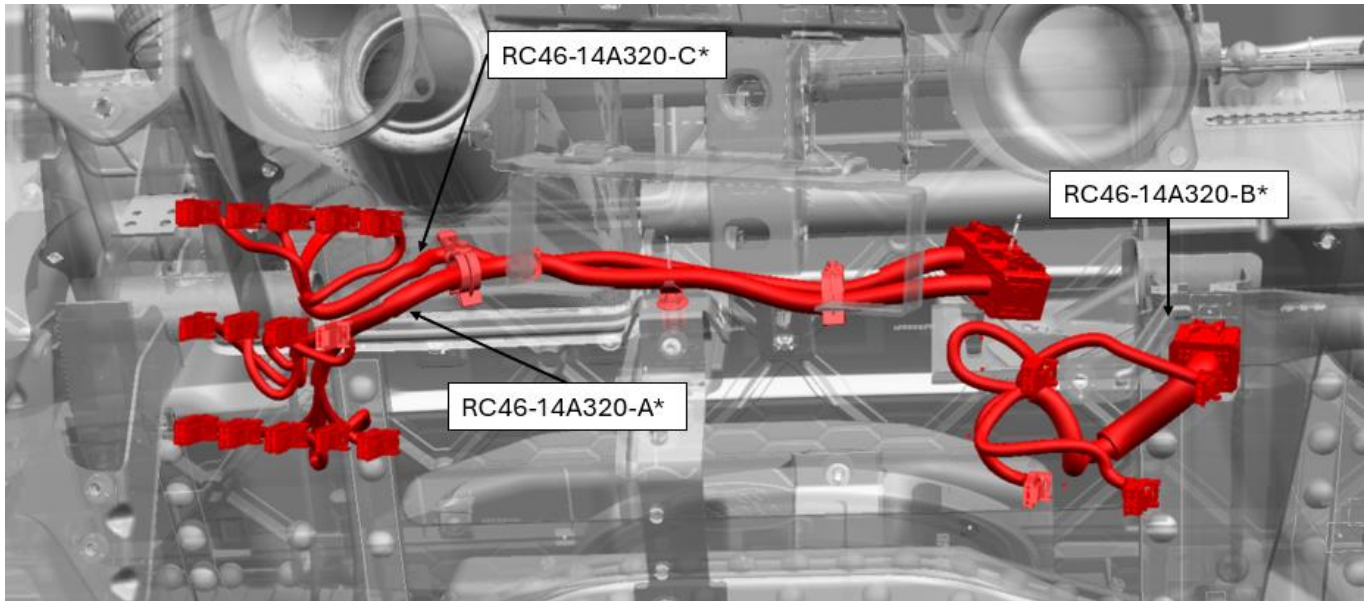
TRUCKS

2	CLS16B	0,75	WHITE/BROWN	Vehicle Control Unit – Right Sidemarker
2	CLS25CA	0,75	YELLOW/VIOLET	BCM/ TurnFront&SideRightSupply

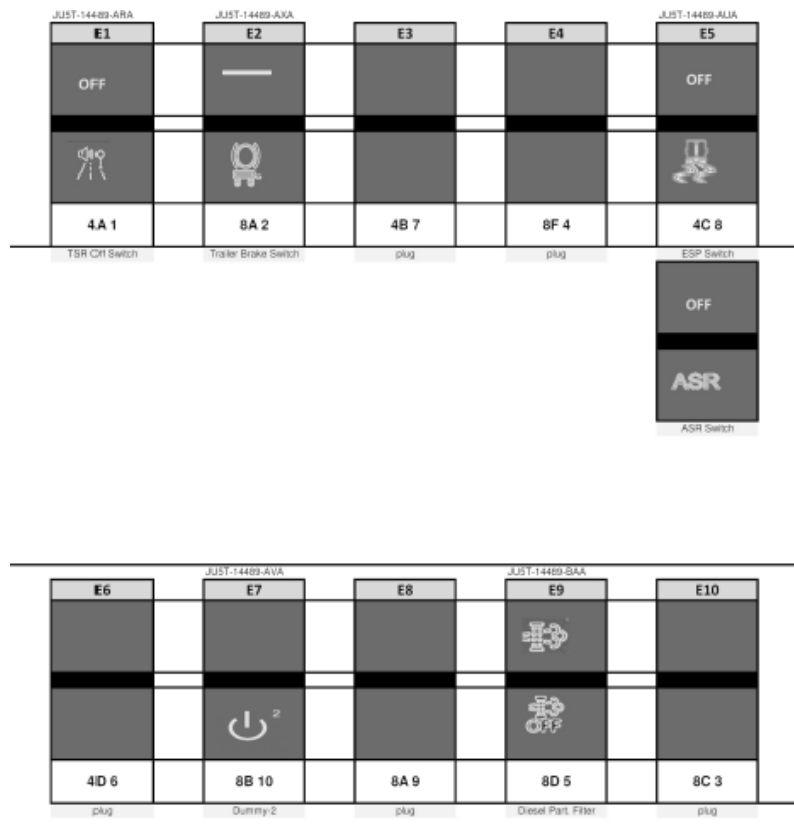
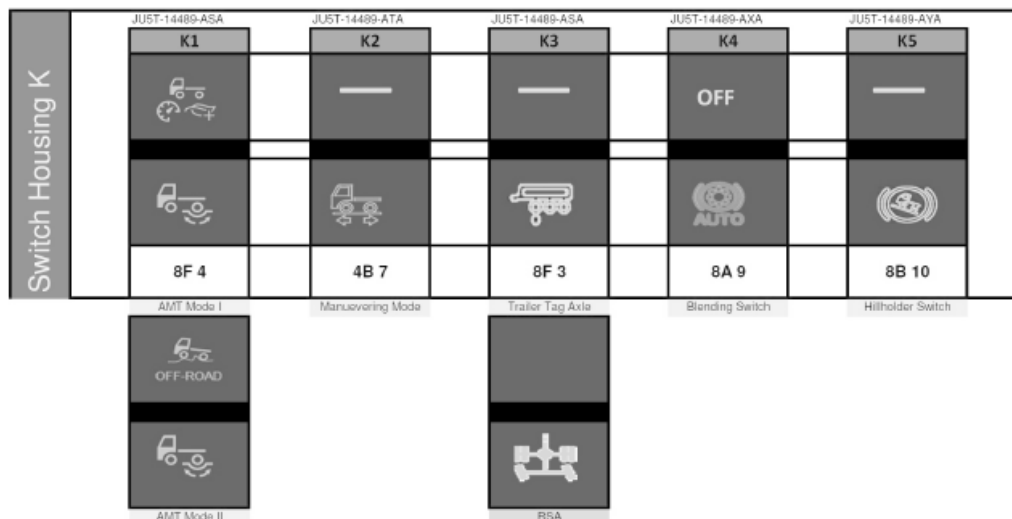


Con. Code	C1LS16			
Con. Desc.	LAMP-SIDE MARKER REAR RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD152H	0,75	BLACK/BLUE	Ground
2	CLS15D	0,75	WHITE/BROWN	Vehicle Control Unit – Right Sidemarker

3.3.18. 14A320: Console Wiring


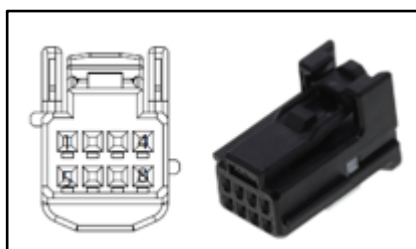

RC46-14A320-A* Switches:

Switch Housing D	JUST-14489-AVA	JUST-14489-AVA	JUST-14489-AVA	JUST-14489-AVA	JUST-14489-BBA
	D1	D2	D3	D4	D5
					OFF
	4D 6	4C 10	8B 9	4A 4	8E 2
	Differential Lock	Traction Help	Low Limer	PTO	LDWS
		Interlock	Tag Axle Switch II		
	JUST-14489-AVA	JUST-14489-BBA	JUST-14489-BBA	JUST-14489-ATA	JUST-14489-AZA
	D6	D7	D8	D9	D10
	8A 1	8D 5	8F 7	4B 3	8C 8
	A/C Compressor Clutch	A/C Recirculation	Windshield Heater	Mirror Heating	Auxiliary Heater-1
					Auxiliary Heater-2

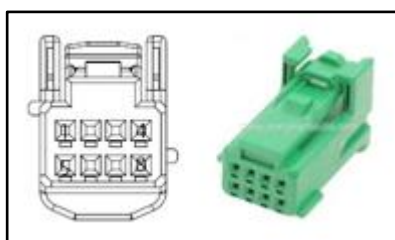
TRUCKS
RC46-14A320-B* Switches:

RC46-14A320-C* Switches:


TRUCKS

14A320➔ Console Wiring connector descriptions:

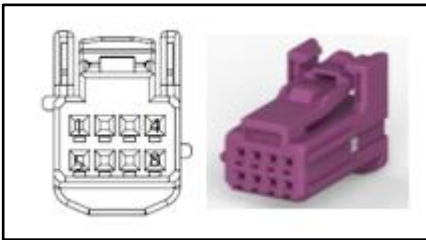


Con. Code	C2H421			
Con. Desc.	SWITCH-AC COMPRESSOR CLUTCH			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP19E	0,35	BROWN/WHITE	Input / Power Supply
2	CH421B	0,35	GREY	Output 2
3	A_GD184AM	0,35	BLACK/GREY	Ground
4	CLN04AH	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	CH427D	0,35	BROWN	Output
6	CH427C	0,35	BROWN/WHITE	Put

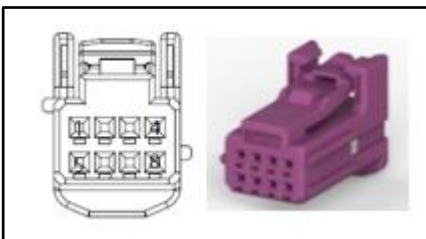


Con. Code	C2H424			
Con. Desc.	TO RECIRCULATION			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP19F	0,35	BROWN/WHITE	Input / Power Supply
2	CH424B	0,35	WHITE/BLUE	Output
3	A_GD184AN	0,35	BLACK/GREY	Ground
4	CLN04AJ	0,35	BLUE/BROWN	InteriorLightDimmingSupply

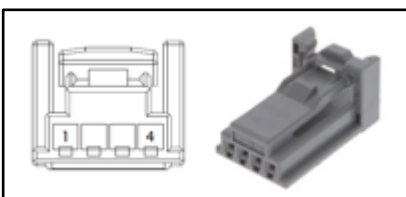
TRUCKS



Con. Code	C2RD08-1			
Con. Desc.	TO HEATED WINDSHIELD			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CRD01D	0,35	VIOLET/ORANGE	Input / Power Supply
2	CRD08E	0,35	GREEN/ORANGE	Output
3	A_GD184AP	0,35	BLACK/GREY	Ground
4	CLN04AK	0,35	BLUE/BROWN	InteriorLightDimmingSupply

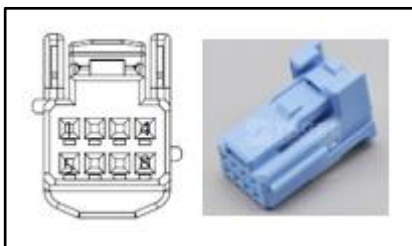


Con. Code	C2RD08-2			
Con. Desc.	SWITCH-BEACON LAMP (BEACON FARID)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20D	0,35	YELLOW/VIOLET	Input / Power Supply
2	ZA355	0,35	ORANGE/BLACK	Roof Beacon IP Switch (Farid)
2	CAA11A	0,35	GREEN/BLUE	Output / Roof Beacon Relay R07-01
3	A_GD184F	0,35	BLACK/GREY	Ground
4	CLN04G	0,35	BLUE/BROWN	InteriorLightDimmingSupply

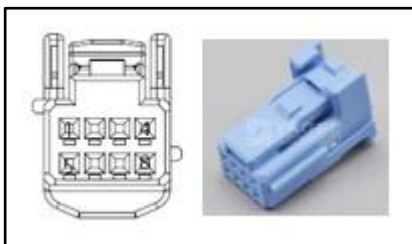


TRUCKS

Con. Code	C2PM20			
Con. Desc.	TO MIRROR HEATING			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CRD17D	0,35	GREY	Mirror Heater Relay / R05-87
2	ZA101B	0,35	ORANGE	Output / Mirror Heater Switch /BCM
3	A_GD184AR	0,35	BLACK/GREY	Ground
4	CLN04AL	0,35	BLUE/BROWN	InteriorLightDimmingSupply



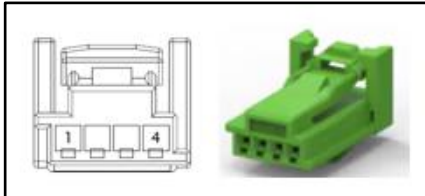
Con. Code	C2A393			
Con. Desc.	SWITCH-AUXILIARY HEATER IP (DRY+WET)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
2	MAH30H	0,35	BROWN/WHITE	AUX HEATER INPUT
3	A_GD184AT	0,35	BLACK/GREY	Ground
4	CLN04AM	0,35	BLUE/BROWN	InteriorLightDimmingSupply
6	MAH32E	0,35	GREY	AUX HEATER INPUT2



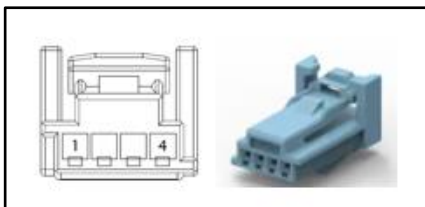
Con. Code	C2A391			
Con. Desc.	SWITCH-AUXILIARY HEATER IP (DRY)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	MAH31E	0,35	VIOLET/GREY	AUX HEATER

TRUCKS

2	MAH30F	0,35	BROWN/WHITE	AUX HEATER INPUT
3	A_GD184AV	0,35	BLACK/GREY	Ground
4	CLN04AN	0,35	BLUE/BROWN	InteriorLightDimmingSupply

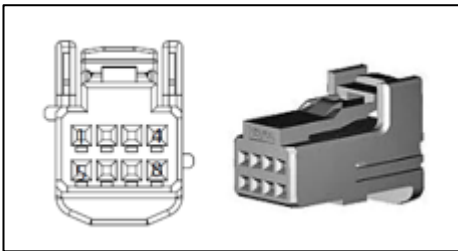


Con. Code	C2A106			
Con. Desc.	TO DIFF. LOCK SWITCH			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	RCA21B	0,35	BLUE/ORANGE	SOLENOID DIFF LOCK 1
2	VCA07B	0,35	BLUE/ORANGE	DiffLock1DriverRequestSwitch
3	A_GD184AA	0,35	BLACK/GREY	Ground
4	CLN04AA	0,35	BLUE/BROWN	InteriorLightDimmingSupply

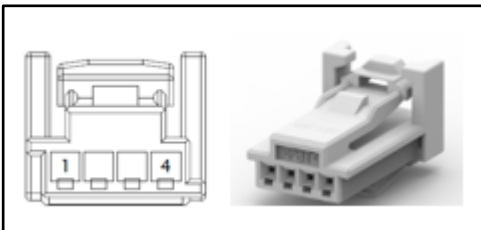


Con. Code	C2CL18			
Con. Desc.	TO SELF STEER AXLE LIF./TRACTION HELP/TO INTERLOCK SW.			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CHP05	0,35	YELLOW/ORANGE	SOLENOID INTERLOCK
1	CCF02B	0,35	GREEN/WHITE	VCU / SOL INTERLOCK VALVE
2	CPR78B	0,35	VIOLET/ORANGE	TurnIndicatorLeftSwitch (SelfSteerLifting (8x2_Autodrop), Traction Help (6x2_C6AS))
3	A_GD184AB	0,35	BLACK/GREY	Ground
4	CLN04AB	0,35	BLUE/BROWN	InteriorLightDimmingSupply

TRUCKS

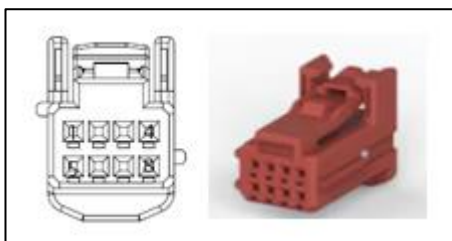


Con. Code	C2AH11			
Con. Desc.	TO TAG AXLE / TO LOW LINER SW.			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CCF01	0,35	BROWN	VALVE-TAG AXLE LIFTER
2	CCF27	0,35	GREY	Low Liner Switch
3	A_GD184AC	0,35	BLACK/GREY	Ground
4	CLN04AC	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	A_GD184AD	0,35	BLACK/GREY	Ground
6	CE907B	0,35	YELLOW/GREY	Tag Axle Lifting

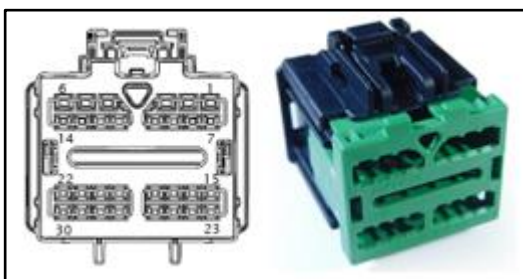


Con. Code	C2E912			
Con. Desc.	SWITCH-POWER TAKE OFF (PTO)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_VE925	0,35	GREEN/WHITE	PTOValveSupply
2	A_CE913	0,35	BLUE	PTOActivation1Switch
3	A_GD184AE	0,35	BLACK/GREY	Ground
4	CLN04AD	0,35	BLUE/BROWN	InteriorLightDimmingSupply

TRUCKS



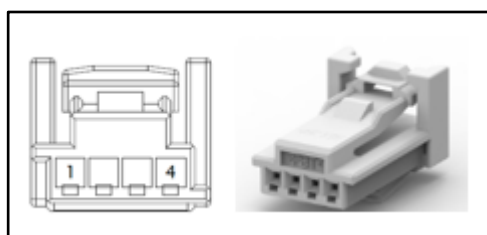
Con. Code	C2RB05			
Con. Desc.	TO LANE DEPERATURE SW			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20AE	0,35	YELLOW/VIOLET	Power Supply
2	CRB05B	0,35	GREEN/ORANGE	Lane Departure Switch
3	A_GD184AF	0,35	BLACK/GREY	Ground
4	CLN04AE	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	VLN18B	0,35	BLUE/WHITE	LDWS Illumination / Instrument Cluster
6	A_GD184AG	0,35	BLACK/GREY	Ground



Con. Code	C22-F			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CHP05	0,35	YELLOW/ORANGE	INTERLOCK/SELF STEER/TRACTION HELP INPUT
2	CPR78B	0,35	VIOLET/ORANGE	INTERLOCK/SELF STEER/TRACTION HELP OUTPUT
3	A_GD184AQ	0,75	BLACK/GREY	SWITCH GROUND
4	CLN04AQ	0,75	BLUE/BROWN	InteriorLightDimmingSupply
5	RCA21B	0,35	BLUE/ORANGE	DIFF.LOCK SW INPUT
6	VCA07B	0,35	BLUE/ORANGE	DIFF.LOCK SW OUTPUT
7	A_GD184G	0,35	BLACK/GREY	TAG AXLE/LOW LINER SW GROUND
8	CH427D	0,35	BROWN	SWITCH-AC COMPRESSOR CLUTCH OUTPUT 2

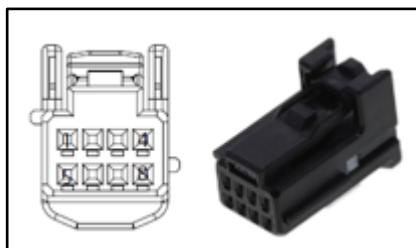
TRUCKS

9	CCF27	0,35	GREY	LOW LINER SWITCH
11	A_VE925	0,35	GREEN/WHITE	PTO FUNC.ILL.
12	A_CE913	0,35	BLUE	SWITCH-POWER TAKE OFF (PTO) OUTPUT
16	CBP19C	0,35	BROWN/WHITE	SWITCH-AC RECIRCULATION & AC COMPRESSOR INPUT
17	CH421B	0,5	GREY	SWITCH-AC COMPRESSOR CLUTCH OUTPUT
18	CH424B	0,5	WHITE/BLUE	SWITCH-AC RECIRCULATION OUTPUT
19	CH427C	0,5	BLACK/GREY	SWITCH-AC COMPRESSOR CLUTCH INPUT 2
20	VRD23	0,5	YELLOW/BLUE	SWITCH-HEATED WINDSHIELD /TO TRAILER TAG AXLE SW./TO RSA SW INPUT
21	CRD08E	0,35	GREEN/ORANGE	SWITCH-HEATED WINDSHIELD /TO TRAILER TAG AXLE SW./TO RSA SW OUTPUT
22	CRD17D	0,35	GREY	SWITCH-MANUEUVERING INPUT
23	ZA101B	0,35	ORANGE	SWITCH-MANUEUVERING OUTPUT
24	MAH30D	0,5	BROWN/WHITE	AUX HEATER INPUT / INSTRUMENT CLUSTER
25	MAH32E	0,5	GREY	AUX HEATER INPUT2 / INSTRUMENT CLUSTER
26	MAH31E	0,5	VIOLET/GREY	AUX HEATER / INSTRUMENT CLUSTER

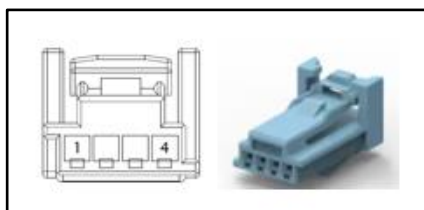


Con. Code	C2CB11			
Con. Desc.	TO TSR OFF SWITCH			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CLN17B	0,35	GREEN/WHITE	TSR Switch Illumination / Instrument Cluster
2	CCB11B	0,35	BLUE	AEBS Deactivation Switch
3	A_GD184BA	0,35	BLACK/GREY	Ground
4	CLN04BA	0,35	BLUE/BROWN	InteriorLightDimmingSupply

TRUCKS

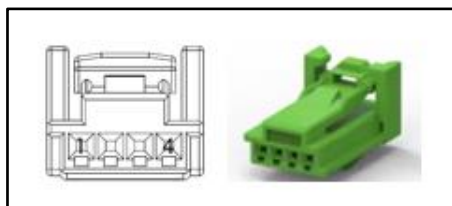


Con. Code	C2A116			
Con. Desc.	TO TRAILER BRAKE SWITCH			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20AT	0,35	YELLOW/VIOLET	Power Supply
2	MAT50A	0,35	YELLOW/VIOLET	EBS Switch
3	A_GD184BB	0,35	BLACK/GREY	Ground
4	CLN04BB	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	MCA50A	0,35	WHITE/BROWN	EBS Lamp
6	A_GD184BC	0,35	BLACK/GREY	Ground

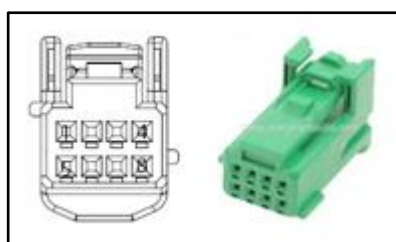


Con. Code	C2A115			
Con. Desc.	TO ESP SW./ TO ASR SW.			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	VLN37B	0,35	BLUE/WHITE	ESP Switch Illumination / Instrument Cluster
2	CCA58E	0,35	YELLOW/GREEN	OFFROAD-ESP SWITCH
3	A_GD184BE	0,35	BLACK/GREY	Ground
4	CLN04BD	0,35	BLUE/BROWN	InteriorLightDimmingSupply

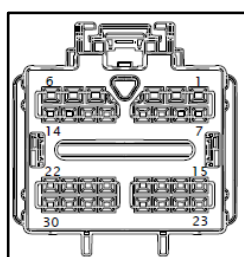
TRUCKS



Con. Code	C2E912A			
Con. Desc.	TO SWITCH DUMMY (2)			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20AE	0,35	YELLOW/VIOLET	Power Supply
2	ZA146B	0,35	ORANGE/WHITE	Auxiliary Fusebox R04-86
3	B_GD114BH	0,35	BLACK/BLUE	Ground
4	CLN04BC	0,35	BLUE/BROWN	InteriorLightDimmingSupply

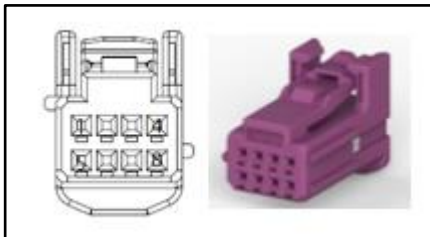


Con. Code	C2E702			
Con. Desc.	TO DIESEL PART. FILTER SW			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD184BG	0,35	BLACK/GREY	Ground
2	CCB09B	0,35	GREY/BLUE	DPFIhibitSwitch
3	A_GD184BH	0,35	BLACK/GREY	Ground
4	CLN04BF	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	A_GD184BJ	0,35	BLACK/GREY	Ground
6	RCB37B	0,35	BROWN/BLUE	DPFManuelRegenSwitch



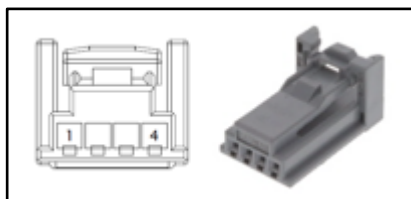
TRUCKS

Con. Code	C22-G			
Con. Desc.	14401 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
3	A_GD184BQ	0,75	BLACK/GREY	Ground
4	CLN04BQ	0,75	BLUE/BROWN	InteriorLightDimmingSupply
8	VLN37B	0,35	BLUE/WHITE	ESP Switch Illumination / Instrument Cluster
9	CCA58E	0,35	YELLOW/GREEN	OFFROAD-ESP SWITCH
10	CCB09B	0,35	GREY/BLUE	DPFInhibitSwitch
11	RBC37B	0,35	BROWN/BLUE	DPFManuelRegenSwitch
13	CBP20AT	0,35	YELLOW/VIOLET	Power Supply
14	CLN17B	0,35	GREEN/WHITE	TSR Switch Illumination / Instrument Cluster
15	CCB11B	0,35	BLUE	AEBS Deactivation Switch
18	MAT50A	0,35	YELLOW/VIOLET	EBS Switch
19	MCA50A	0,35	WHITE/BROWN	EBS Lamp
22	CBP20AE	0,35	YELLOW/VIOLET	Power Supply
23	ZA146B	0,35	GREEN/WHITE	Auxiliary Fusebox R04-86

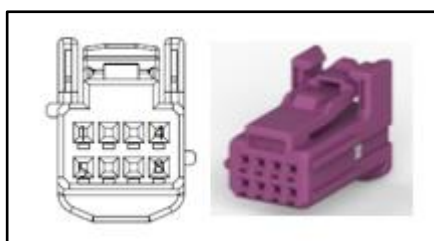


Con. Code	C2A176			
Con. Desc.	SWITCH-AMT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	A_GD184CA	0,35	BLACK/GREY	Ground
2	CE943B	0,35	GREY/VIOLET	RockingSwitch
3	A_GD184CB	0,35	BLACK/GREY	Ground
4	CLN04CA	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	A_GD184CC	0,35	BLACK/GREY	Ground
6	CE942B	0,35	WHITE/GREEN	PowerOFFroadSwitch

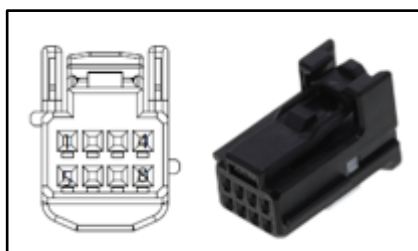
TRUCKS



Con. Code	C2PM20			
Con. Desc.	TO MANUEUVERING SW			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	ME942B	0,35	BROWN/WHITE	ManeuveringSwitchIlluminationSupply
2	ME941B	0,35	YELLOW/VIOLET	ManeuveringSwitch
3	A_GD184CD	0,35	BLACK/GREY	Ground
4	CLN04CB	0,35	BLUE/BROWN	InteriorLightDimmingSupply

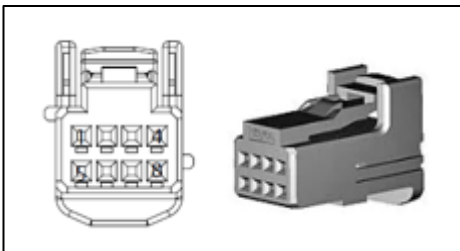


Con. Code	C2RD08			
Con. Desc.	TO TRAILER TAG AXLE SW./TO RSA SW			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20CB	0,35	YELLOW/VIOLET	Input / Power Supply
2	MAT61B	0,35	WHITE/VIOLET	TrailerTagAxleLiftingSwitch / RSA Centering Switch
3	A_GD184CE	0,35	BLACK/GREY	Ground
4	CLN04CC	0,35	BLUE/BROWN	InteriorLightDimmingSupply

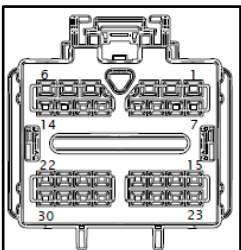


TRUCKS

Con. Code	C2A388			
Con. Desc.	TO BLENDING SWITCH			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	MCA30A	0,35	GREEN/BROWN	Blending Switch Illumination / Instrument Cluster
2	CDC36A	0,35	VIOLET/GREEN	Blending Switch
3	A_GD184CF	0,35	BLACK/GREY	Ground
4	CLN04CD	0,35	BLUE/BROWN	InteriorLightDimmingSupply



Con. Code	C2E907			
Con. Desc.	TO HILLHOLDER SW.			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CBP20CC	0,35	YELLOW/VIOLET	Power Supply
2	MCB47C	0,35	VIOLET/ORANGE	HILLHOLDER SW
3	A_GD184CG	0,35	BLACK/GREY	Ground
4	CLN04CE	0,35	BLUE/BROWN	InteriorLightDimmingSupply
5	MCB48C	0,35	GREY/YELLOW	HILLHOLDER LAMP1
6	A_GD184CH	0,35	BLACK/GREY	Ground



Con. Code	C22-H			
Con. Desc.	14401 INLINER			

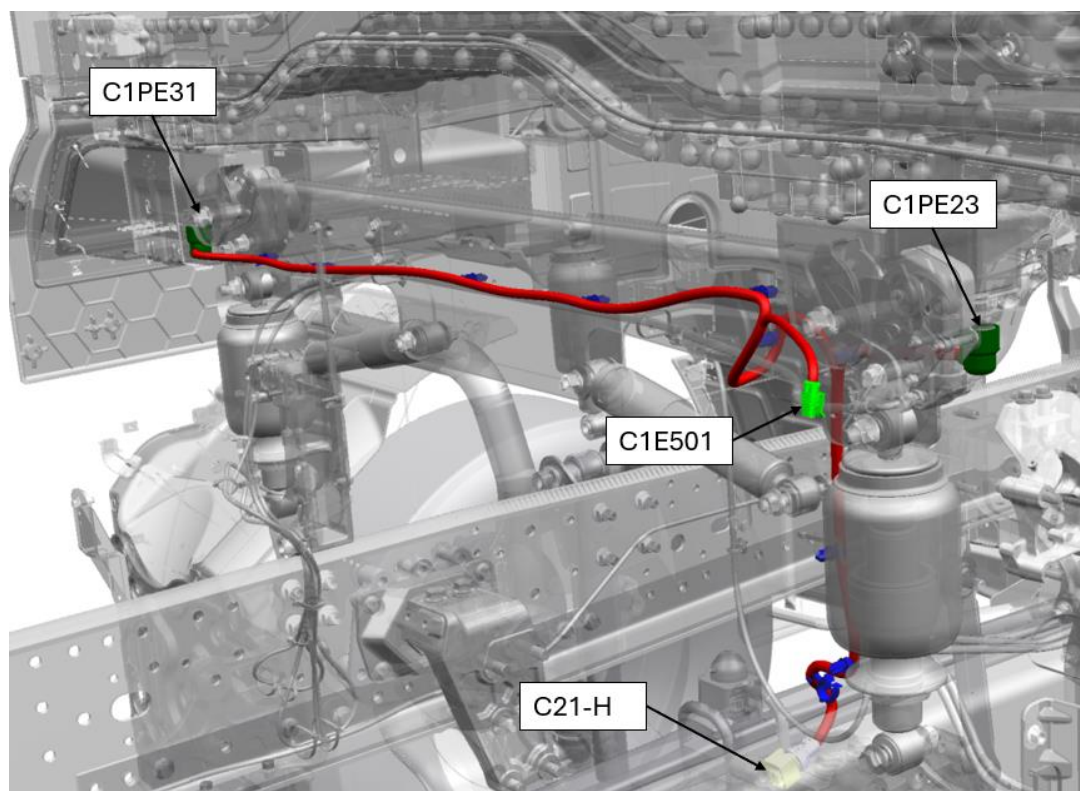


TRUCKS

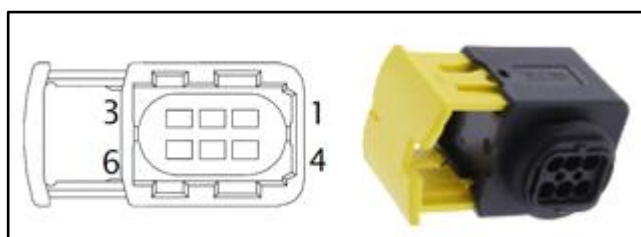
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE943B	0,35	GREY/VIOLET	RockingSwitch
2	CE942B	0,35	WHITE/GREEN	PowerOFFroadSwitch
3	A_GD184CQ	0,75	BLACK/BLUE	SWITCH GROUND
4	CLN04CQ	0,75	BLUE/BROWN	InteriorLightDimmingSupply
5	ME942B	0,35	BROWN/WHITE	ManeuveringSwitchIlliminationSupply
6	ME941B	0,35	YELLOW/VIOLET	ManeuveringSwitch
11	MCA30A	0,35	VIOLET/GREEN	SWITCH-BLENDING OUTPUT 1 FUNC. ILL
12	CDC36A	0,35	GREEN/BROWN	SWITCH-BLENDING OUTPUT
13	CBP20CA	0,35	YELLOW/VIOLET	Power Supply
17	MAT61B	0,35	WHITE/VIOLET	SWITCH-HEATED WINDSHIELD /TO TRAILER TAG AXLE SW./TO RSA SW OUTPUT
24	MCB47C	0,35	VIOLET/ORANGE	SWITCH-HILL HOLDER OUTPUT
25	MCB48C	0,35	GREY/YELLOW	SWITCH-HILL HOLDER FUNC. ILL

3.3.19. 14F502: Cabin Latch Switch Wiring

C21-H, C1PE23, C1PE31, C1E501 Connectors:



14F502 → Cabin Latch Wiring connector descriptions:



Con. Code	C21-H			
Con. Desc.	14398 INLINER			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPL30	0,75	BLUE/BROWN	CABIN LATCH UNLOCK
2	CE501	0,75	GREY	Air Filter Intake Restriction
3	A_GD152AA	0,75	BLACK/BLUE	GROUND

TRUCKS



Con. Code	C1E501			
Con. Desc.	TO SENSOR-INTAKE AIR			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CE501	0,75	GREY	Air Filter Intake Restriction
2	A_GD152H	0,75	BLACK/BLUE	Ground



Con. Code	C1PE23			
Con. Desc.	TO CABIN LATCH RIGHT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
1	CPL30	0,75	BLUE/BROWN	CABIN LATCH UNLOCK
2	CPL30B	0,75	BLUE/BROWN	CABIN LATCH UNLOCK LHS

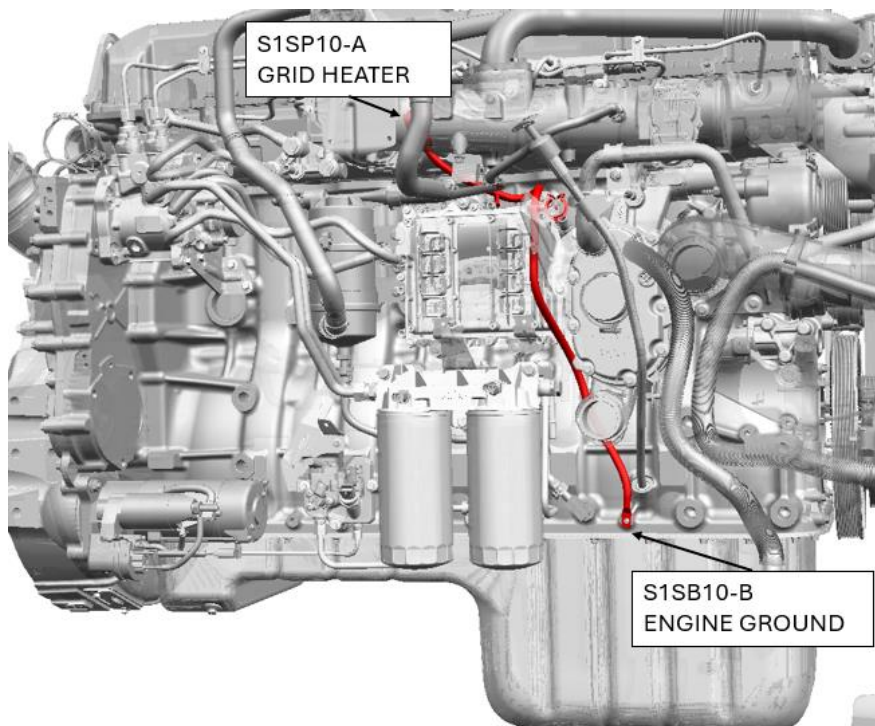


Con. Code	C1PE31			
Con. Desc.	TO CABIN LATCH LEFT			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function

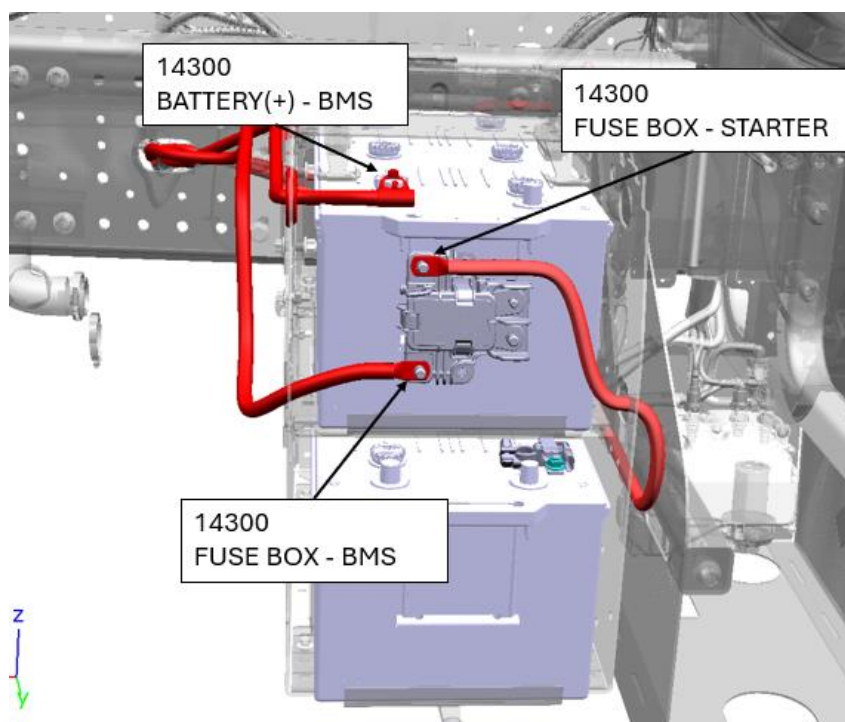
TRUCKS

1	CPL30B	0,75	BLUE/BROWN	CABIN LATCH UNLOCK LHS
2	A_GD152N	0,75	BLACK/BLUE	GROUND

3.3.20. 6B018 → Grid Heater - Engine Ground Wiring

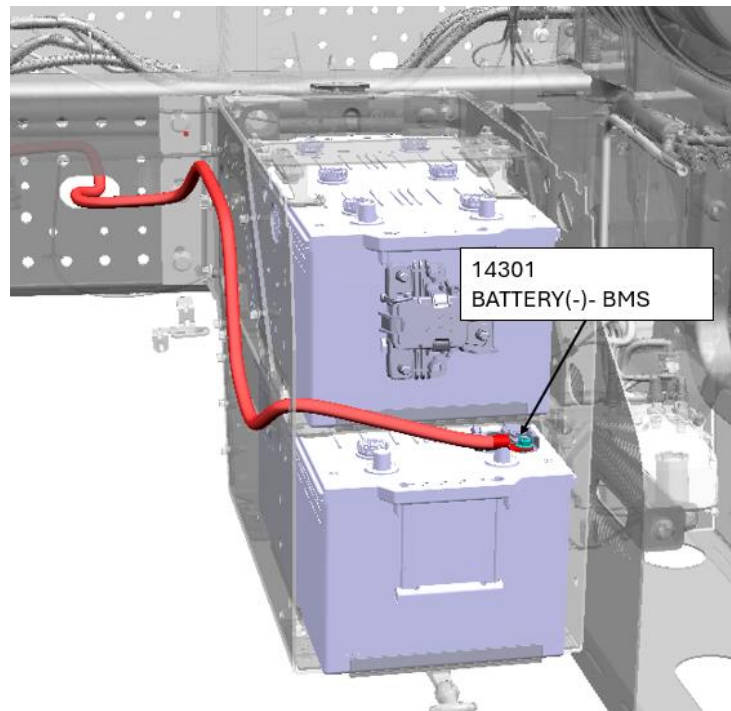


3.3.21. 14300 → Battery Master Switch - Battery (+) Wiring

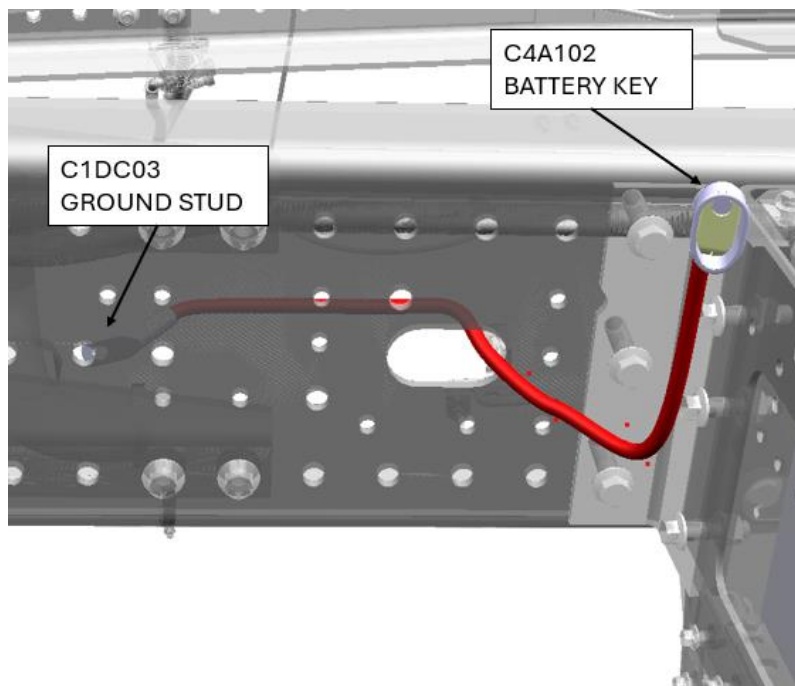


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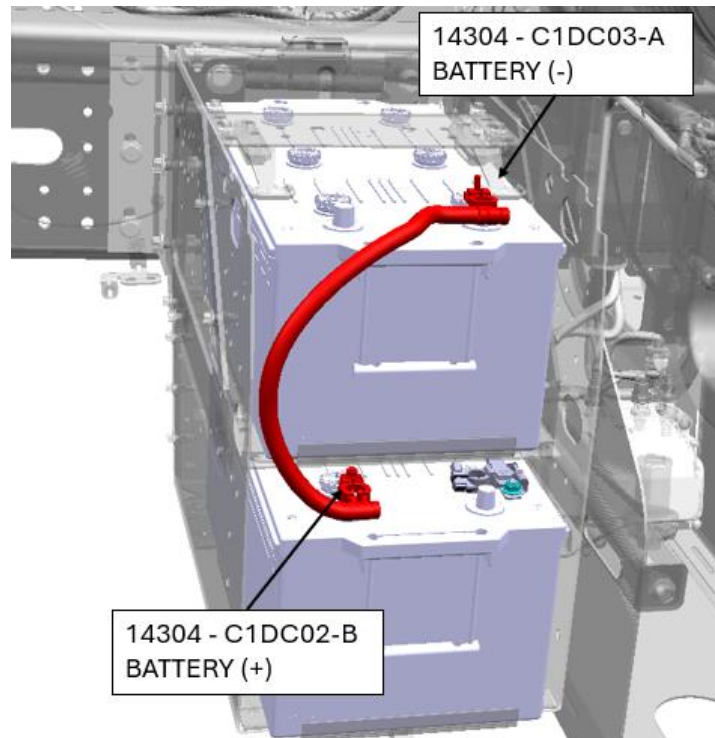
3.3.22. 14301 → Battery Master Switch - Battery (-) Wiring



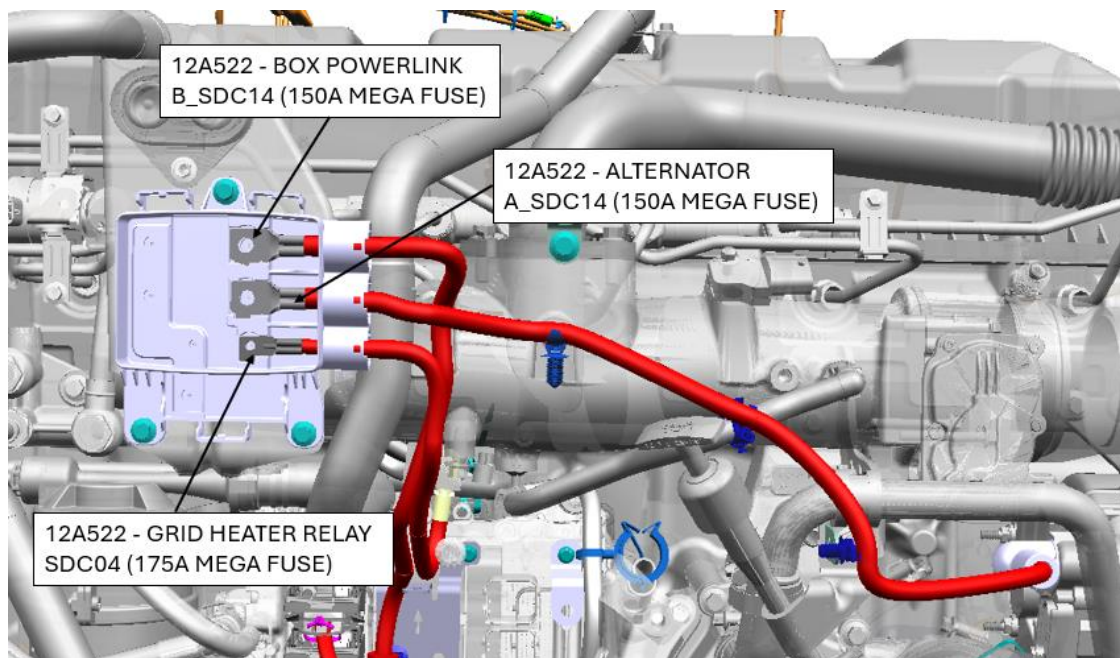
3.3.23. 10K701 → Battery Master Switch - Ground Wiring



3.3.24. 14304 → Battery Wiring

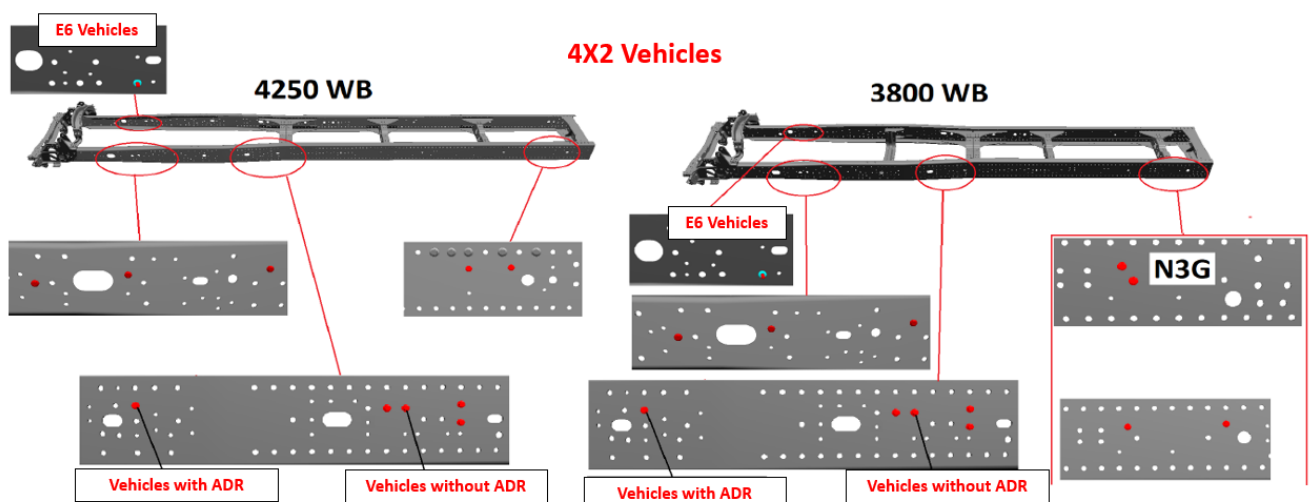
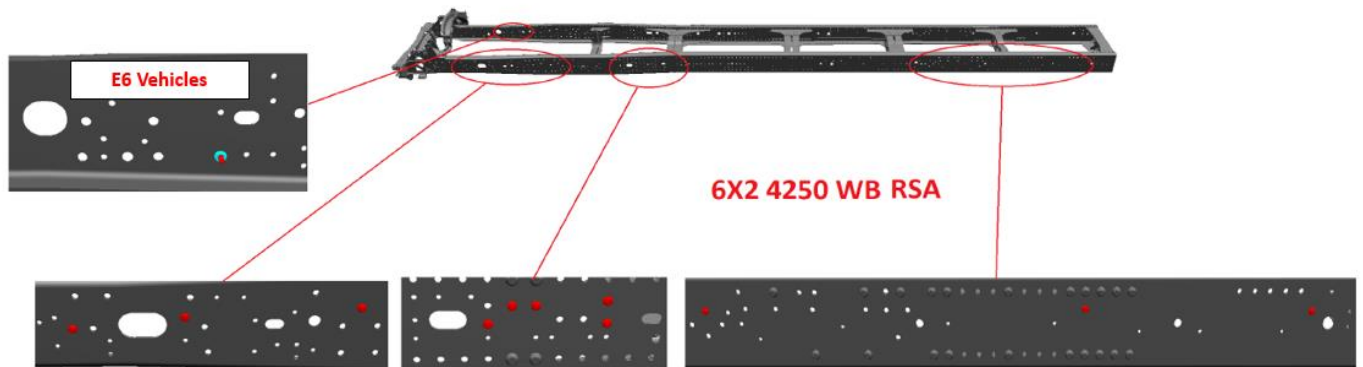
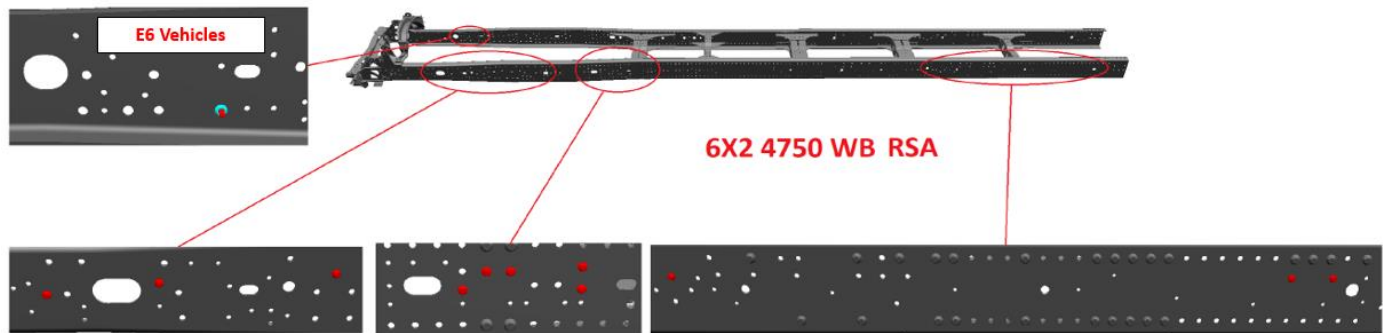


3.3.25. 12A522 → Alternator-Starter Wiring

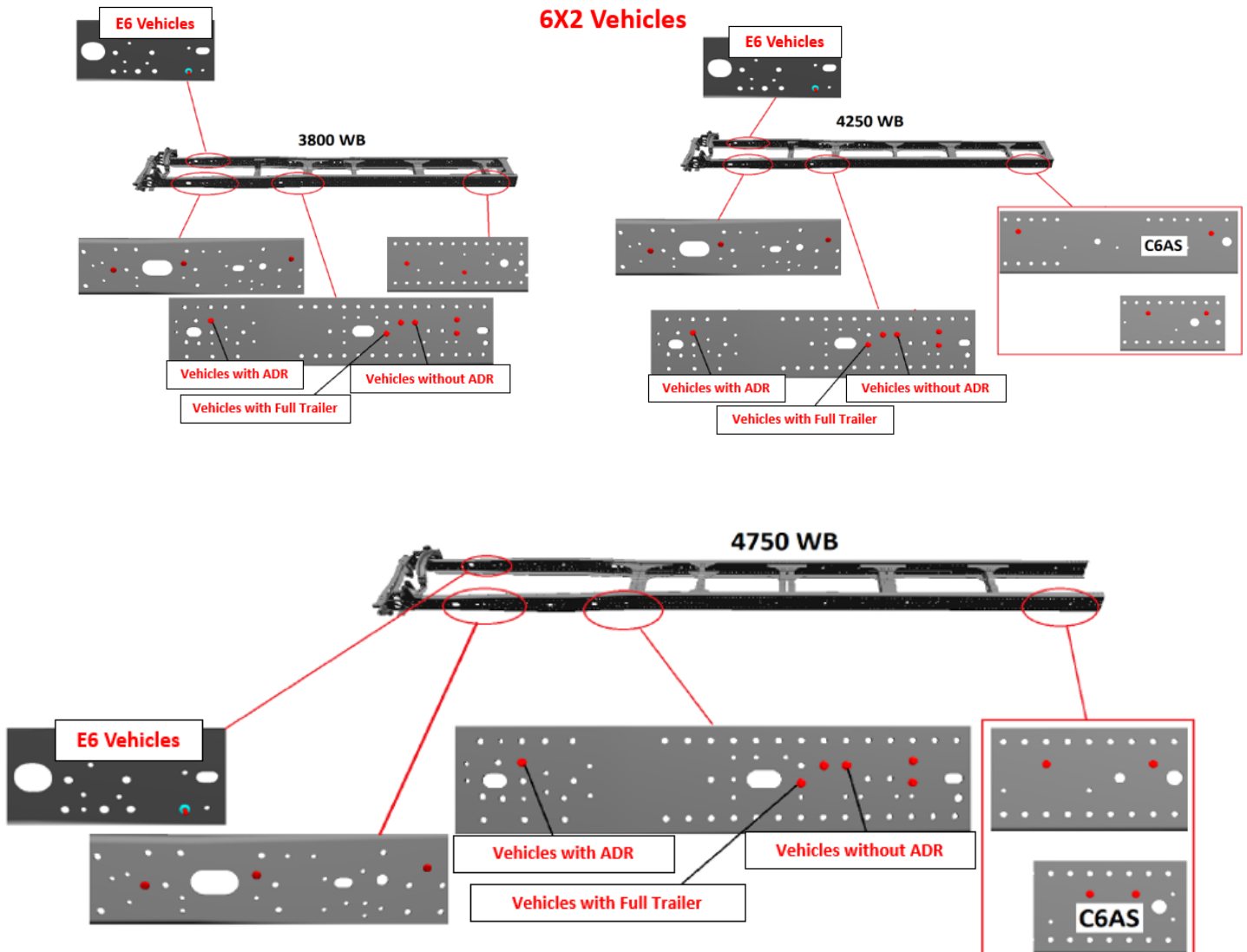


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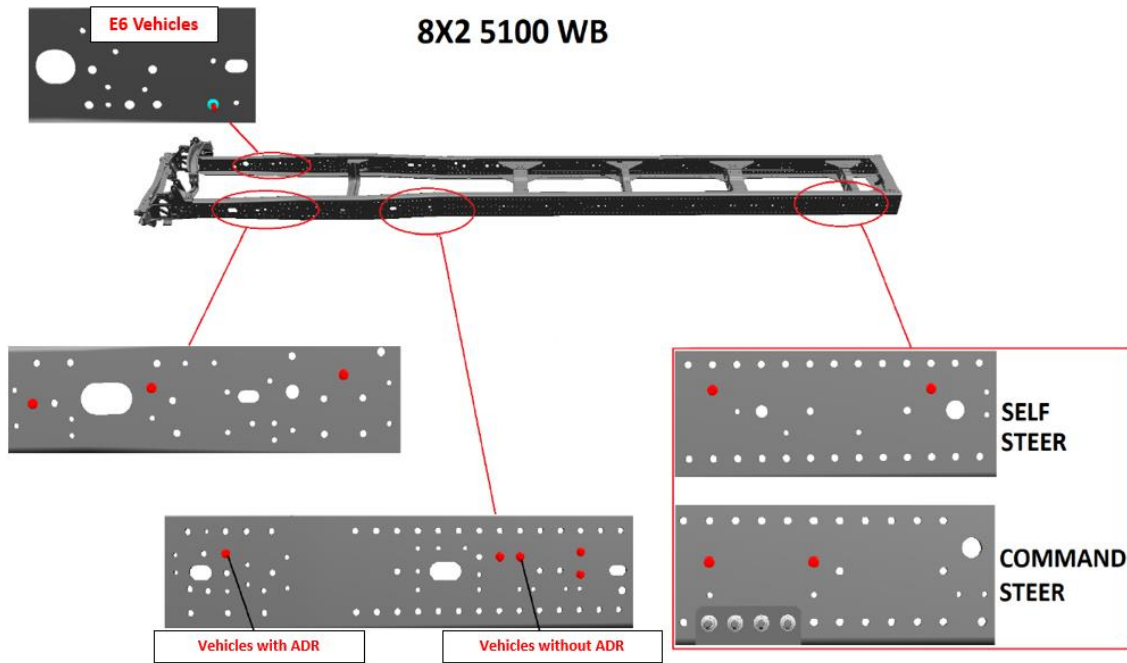
3.4. Chassis (Ground) Connections



TRUCKS

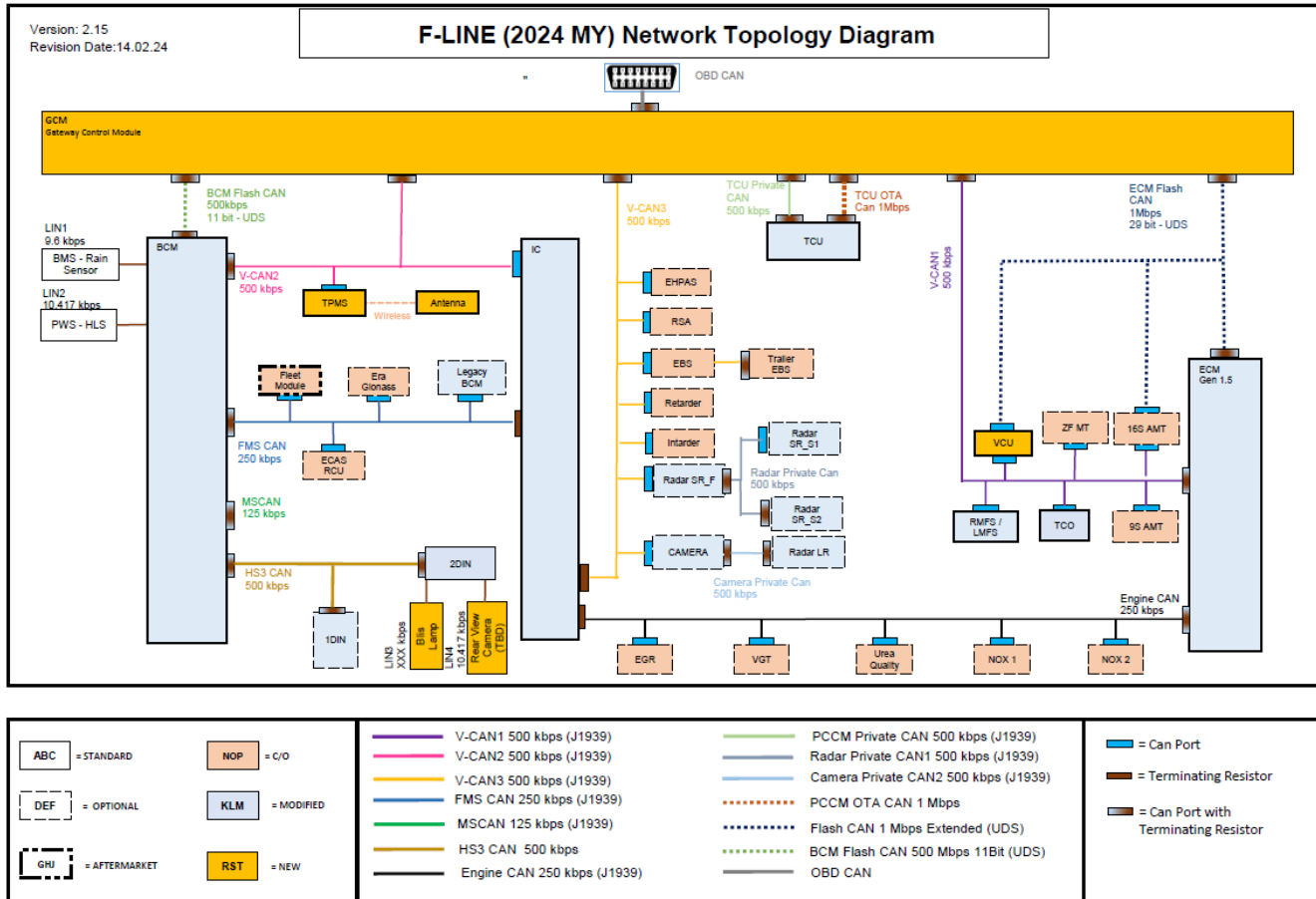


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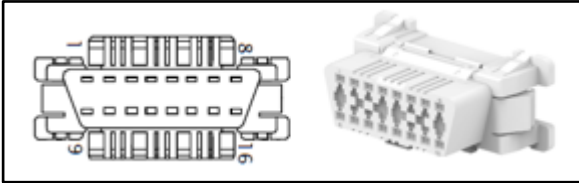


SECTION 4: MAIN SYSTEMS

4.1. Network Topology Diagram and CAN Line Control



4.1.1. Pin Layout of On-Board Diagnostics (OBD) Connector



Con. Code	C2DB04			
Con. Desc.	TO DIAGNOSTIC TOOL-1			
Pin Layout	Wire Name	Wire Thickness	Wire Colour	Function
4	B_GD114SS	0,5	BLACK/BLUE	Chassis GND
5	A_GD114AB	0,5	BLACK/BLUE	Signal GND
6	VDB33CA	0,5	WHITE/BROWN	OBD CAN1-H1
14	VDB34CA	0,5	GREY/YELLOW	OBD CAN1-LO
16	X_SBP18	0,75	YELLOW/RED	Power Supply KL30 24V

4.1.2. CAN line control:

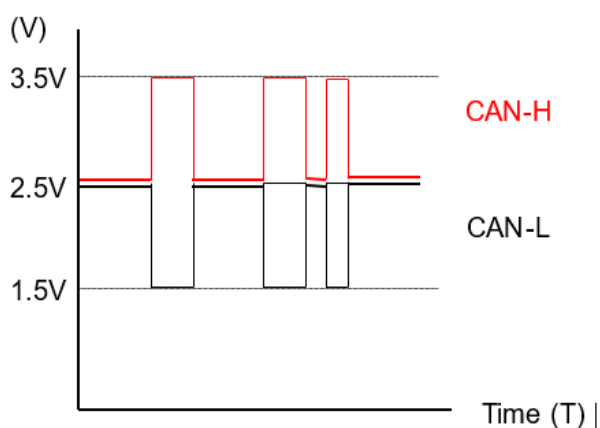
Voltage when the ignition is on → between pins no. 4 and 16: 24 V

Resistance when the ignition is off → between pins no. 6 and 14: 120 Ω

Voltage when the ignition is on → between pins no. 6 and 4: 2,5,-3.5 V

Voltage when the ignition is on → between pins no. 14 and 4: 1,5,-2.5 V

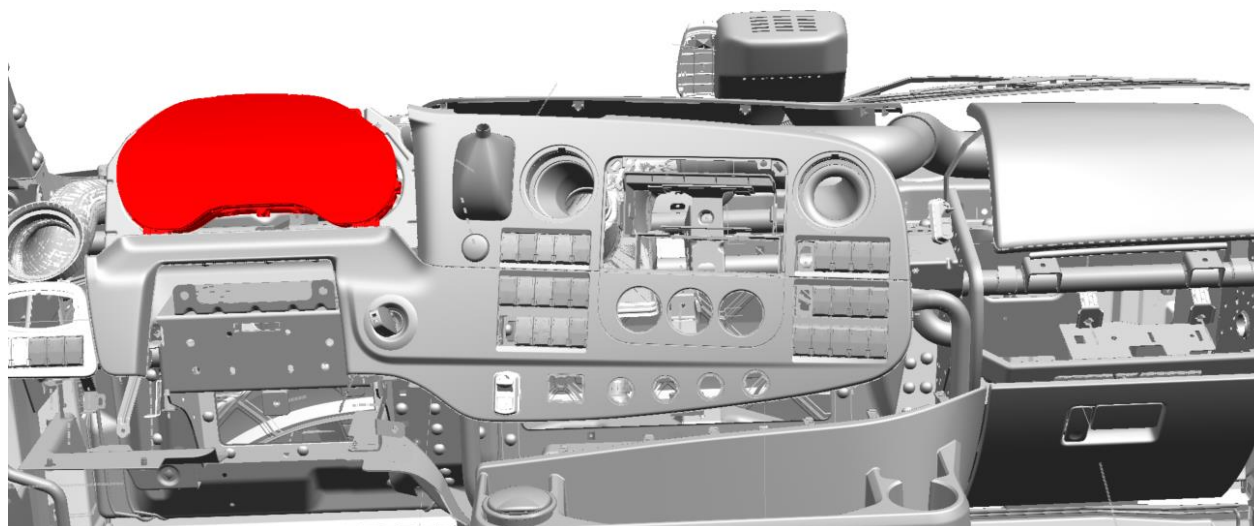
Voltage when the ignition is on → between pins no. 6 and 14: 0,-2 V



TRUCKS

4.2. Main Control Units

4.2.1. Instrument Cluster



No	Description
1	Tachometer
2	Speedometer
3	LCD Display
4	Configurable Indicators
5	Left Turn Signal
6	Right Turn Signal

4.2.2. Instrument warning lamps function:

FUNCTION	SYMBOL	COLOR	SIGNAL SOURCE	ACTIVATION METHOD	CONTROL BUTTON	BUZZER
Left signal light		Green	BCM	CAN	Multi-functional handle (left)	Yes
Right signal light		Green	BCM	CAN		

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Battery Charge		Red	BCM	-	Automatic	No
Front Fog Lamp		Green	BCM	CAN	Control Button on the Control Panel	No
Rear Fog Lamp		Amber	BCM	CAN	Control Button on the Control Panel	No
High Beam & Headlamp		Green	BCM	CAN	Control Button on the Control Panel	No
MIL (Engine Malfunction warning)		Amber	ECM	-	Automatic	No
Engine Warning		Amber	ECM	-	Automatic	No
PATS		Red	-	Internal Logic	Automatic	No
Fuel Fired Heater 1		Amber	Heater Switch / Multimedia	HW / On multimedia	Switch on IP / Button on Multimedia	No
Fuel Fired Heater 2		Amber	Heater Switch / Multimedia	HW / On multimedia	Switch on IP / Button on Multimedia	No
Blind Spot Information System		Amber / Red	SLR	CAN	Automatic	Yes
Moving off Information System		Amber / Red	SLR	CAN	Automatic	Yes
Advanced Emergency Braking System		Amber	SLR	CAN	Automatic	Yes
Hill Holder		Amber	EBS	CAN	Switch on IP	Yes
Trailer ABS EBS		Amber	EBS	CAN	Automatic	No

FUNCTION	SYMBOL	COLOR	SIGNAL SOURCE	ACTIVATION METHOD	CONTROL BUTTON	BUZZER
Rear Steerable Axle		Green / Red / Amber	RASC	CAN	Switch on IP	No

TRUCKS

Driver Alert System		Amber	ECM/Camera	CAN	Automatic	No
Active Ride Height		Green / Red / Amber / Grey	VCU/BCM	CAN	ECAS Controller	No
Steering System		Green / Red / Amber	EPS	CAN	Automatic / Switch on IP	No
Electronic Stability Program		Amber	EBS	CAN	Switch on IP	No
Lane Departure Warning System		Amber	PCCM	CAN	Automatic	Yes
Seat Belt		Red	-	HW	Automatic	Yes
Intarder		Green	ECM	CAN	Automatic	No
Brake Air Pressure		Amber / Red	EBS	CAN	Automatic	Yes
Heater Timer Alarm		Amber	-	-	Switch on IP / Button on Multimedia	No
High Exhaust Temp		Amber	ECM	CAN	Automatic	Yes
DPF Regeneration		Green / Red / Amber	ECM	CAN	Automatic	Yes
Low Oil Level		Amber / Red	ECM	HW (Direct connection to led)	Automatic	Yes
Parking Brake		Red	BCM	CAN	Parking Handle	No
Engine Brake		Amber	ECM	CAN	Automatic	No
Cabin Latch		Red	-	HW	-	Yes

FUNCTION	SYMBOL	COLOR	SIGNAL SOURCE	ACTIVATION METHOD	CONTROL BUTTON	BUZZER
Dump Lifting		Red	BCM	CAN	-	Yes

TRUCKS

Low Engine Oil Pressure		Red	ECM	CAN	Automatic	Yes
Intelligent Speed Assistance		-	PCCM	CAN	Automatic	No
Information		Amber / Red	-	Internal Logic	Automatic	No
Wait to Start		Amber	-	-	-	-
Overspeed		Amber	Tacograph	CAN	Automatic	Yes
Low Tire Pressure		Amber	TPMS	CAN	Automatic	No
Cruise Control		Green / Grey	BCM / PCCM	CAN	On Wheel Buttons	No
Adaptive Cruise Control		Green / Grey	BCM / PCCM	CAN	On Wheel Buttons	No
Auto High Beam		White	BCM	CAN	Automatic	No
Black Ice		Amber	OAT	Internal Logic	Automatic	No
Connectivity Features and Location		White	PCCM	CAN	Automatic	No
High Coolant Temperature		Amber / Red	ECM	CAN	Automatic	Yes
Low Fuel Level		Amber / Red	HW	Internal Logic	Automatic	No
Low AdBlue Level		Amber / Red	ECM	CAN	Automatic	No
Brake Air Pressure 1		Green / White / Red	EBS	CAN	Automatic	Yes
Brake Air Pressure 2		Green / White / Red	EBS	CAN	Automatic	Yes
Trailer Turn		Green	BCM	CAN	Automatic	No

TRUCKS

4.2.3. Instrument LCD Display images:

4.2.3.1. Trip/Fuel



Trip timer, trip distance, trip avg speed, trip avg fuel consumption can be seen in this menu.



Digital instantaneous speedometer can be seen in this menu.



Fuel consumed since the last trip information reset 1 and 2, total fuel consumption and avg fuel consumption since the beginning can be seen in this menu.



Instantaneous fuel consumption as graph and digital counter can be seen in this menu



Daily summary of resting and driving time information from tachograph can be found in this menu as both digital displays and bar graphs.

TRUCKS

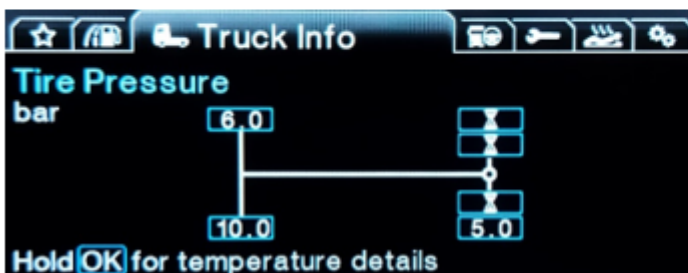


Driving history can be seen in this menu for 1 week and 2 weeks of driving time as both digital displays and bar graphs.

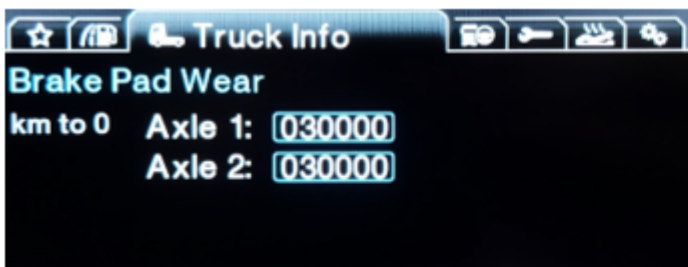
4.2.3.2. Truck Info



Brake air pressure information can be found here displayed as bar graphs and as digital in the selected unit.



Vehicle tire pressure menu displays tire pressure levels for each tire. Menu visual appearance changes depending on the axle count.



Brake pad wears levels are shown here via displaying km to 0 information of brake pads.



Current engine informations, oil level, oil pressure, oil temperature and engine hours are shown as digital counters in this menu.

TRUCKS



Exhaust soot level graphic bar can be seen in this menu.



For each axle on connected trailer, axle load information can be seen separately in this menu.



For each tire on connected trailer, tire pressure information is displayed in this menu.



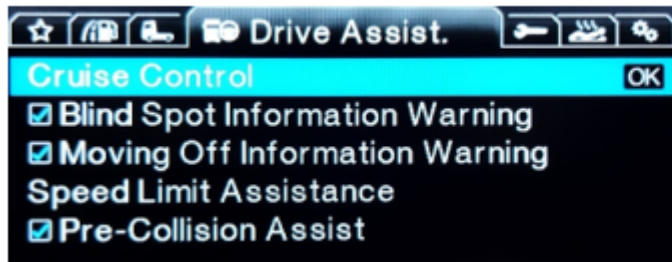
Battery voltage digital counter and battery state of charge bar graphic displaying remaining charge percentage can be seen in this menu.



Pop-up messaged that appeared can be reactivated from this menu.

TRUCKS

4.2.3.3. Drive Assistant



Cruise control, blind spot information system, moving off information system, speed limit assistance, pre-collision assist, creep mode, auto highbeam, driver alert, rain sensing, driving evaluation, driving tips setting can be accessed and configured from this menu.

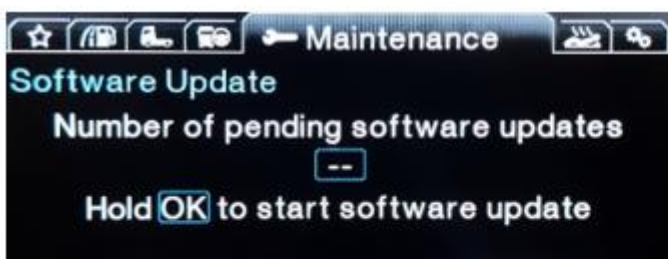
4.2.3.4. Maintenance



Oil life left as percent shown as bar graphic can be seen in this menu.



Cluster self test function can be found in this menu. This function is only available at parked state.



Software updates for modules can be checked and update can be done from this menu.



DTC (Diagnostic trouble codes) of modules can be checked in this menu.

TRUCKS



Tire pressure monitoring system sensor calibrations can be done from this menu. This function is only available in parked position.

4.2.3.5. Comfort



Temperature, timer settings of heaters can be done in this menu.

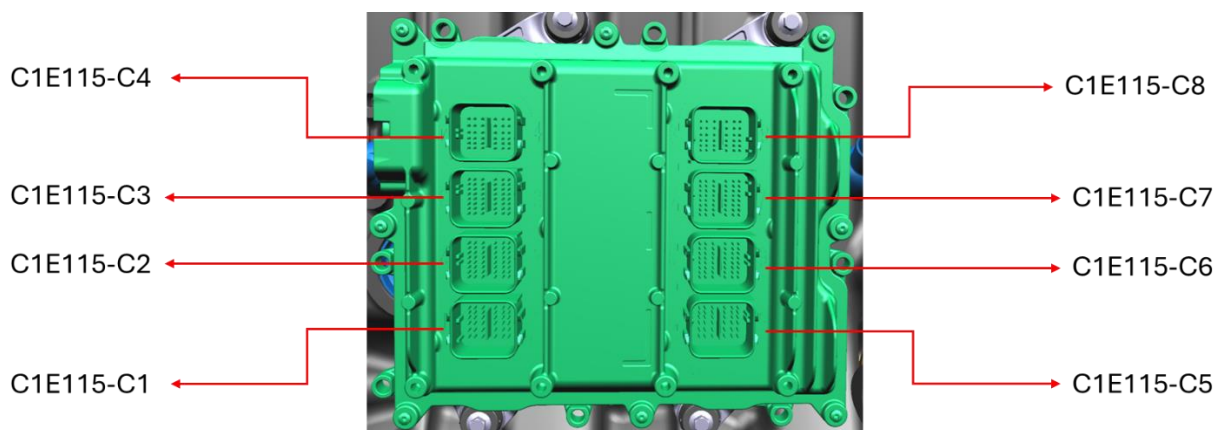
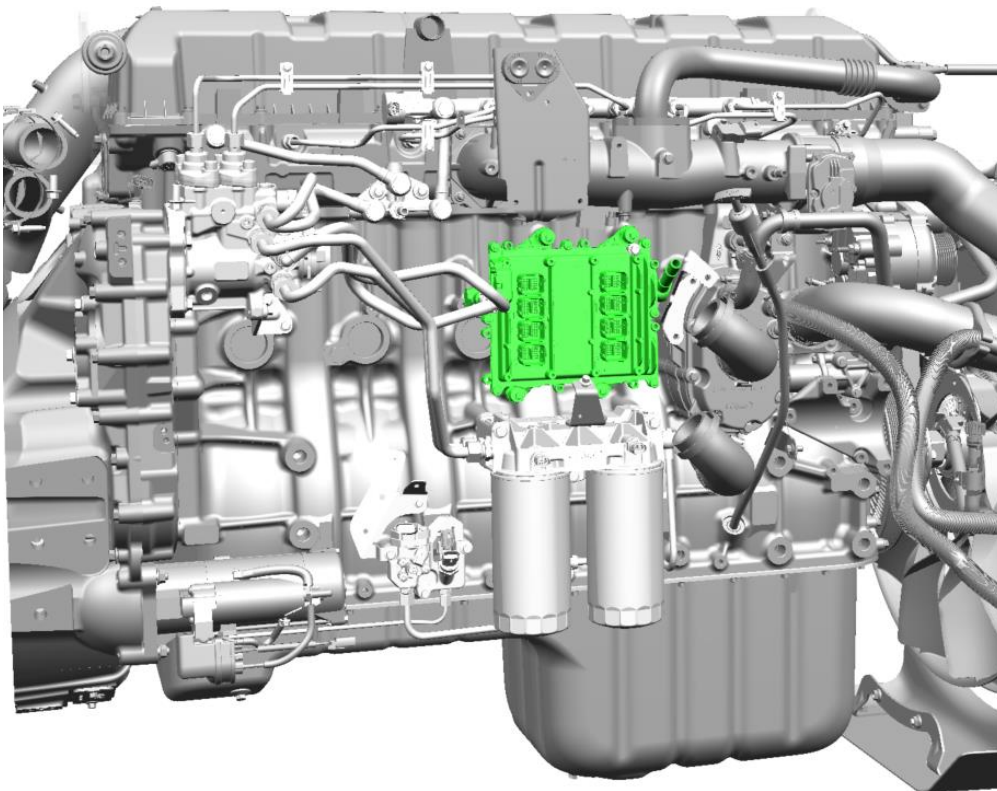


4.2.3.6. Settings



Language, units, time zone, screen dimming, auto locks, drive time alert and connectivity setting can be accessed and modified in this menu.

4.2.2. Engine Control Unit



TRUCKS

Connector Numbers:

C1E115-C1	1 928 406 091 (14398)
C1E115-C2	1 928 406 096 (14398)
C1E115-C3	1 928 406 097 (14398)
C1E115-C4	1 928 406 092 (14398)
C1E115-C5	1 928 406 093 (12A690)
C1E115-C6	1 928 406 098 (12A690)
C1E115-C7	1 928 406 099 (12A690)
C1E115-C8	1 928 406 094 (12A690)

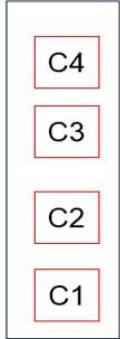
Terminal Numbers:

Matrix1,2 Ag, 0,75 - 1,0 mm ²	1 928 498 677
Matrix1,2 Ag, 1,5 mm ²	1 928 498 678

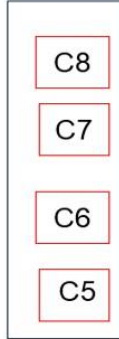
Crimping tool:

1928.498.213 for the matrix contacts 1928.498.677 (0,75-1,0 mm²)
 1928.498.214 for the matrix contacts 1928.498.678 (1,5 mm²)

Cover: 1928.406.102

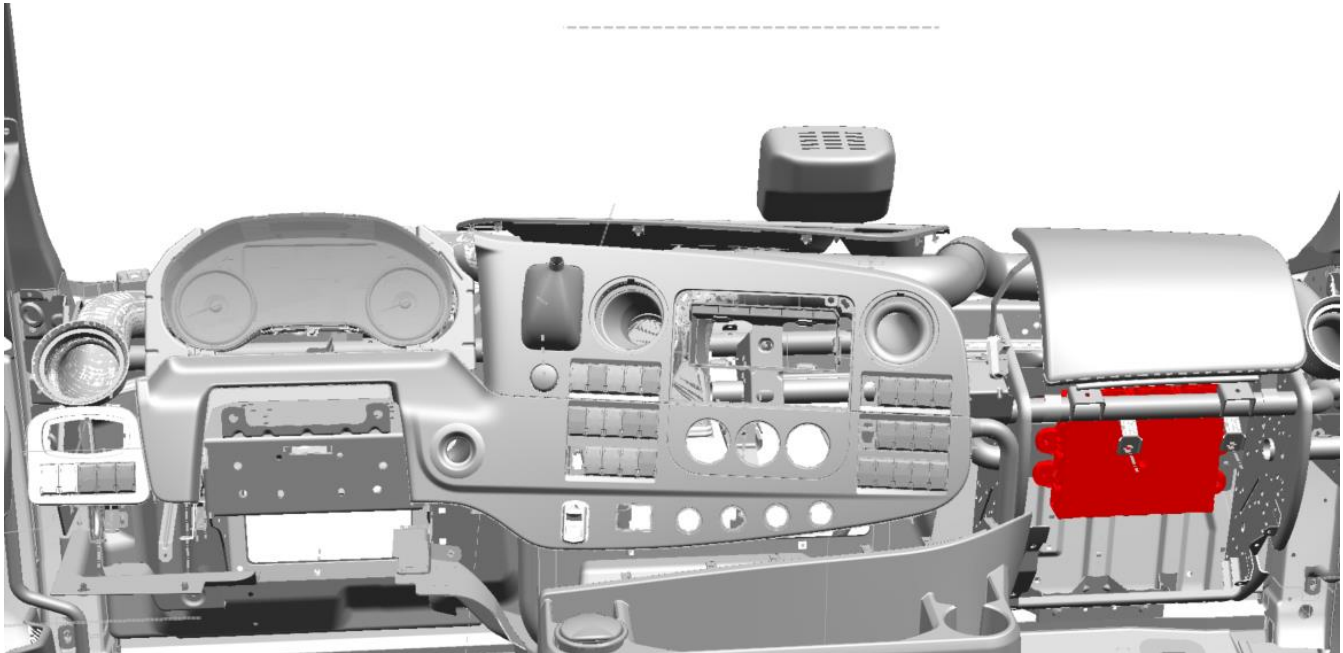


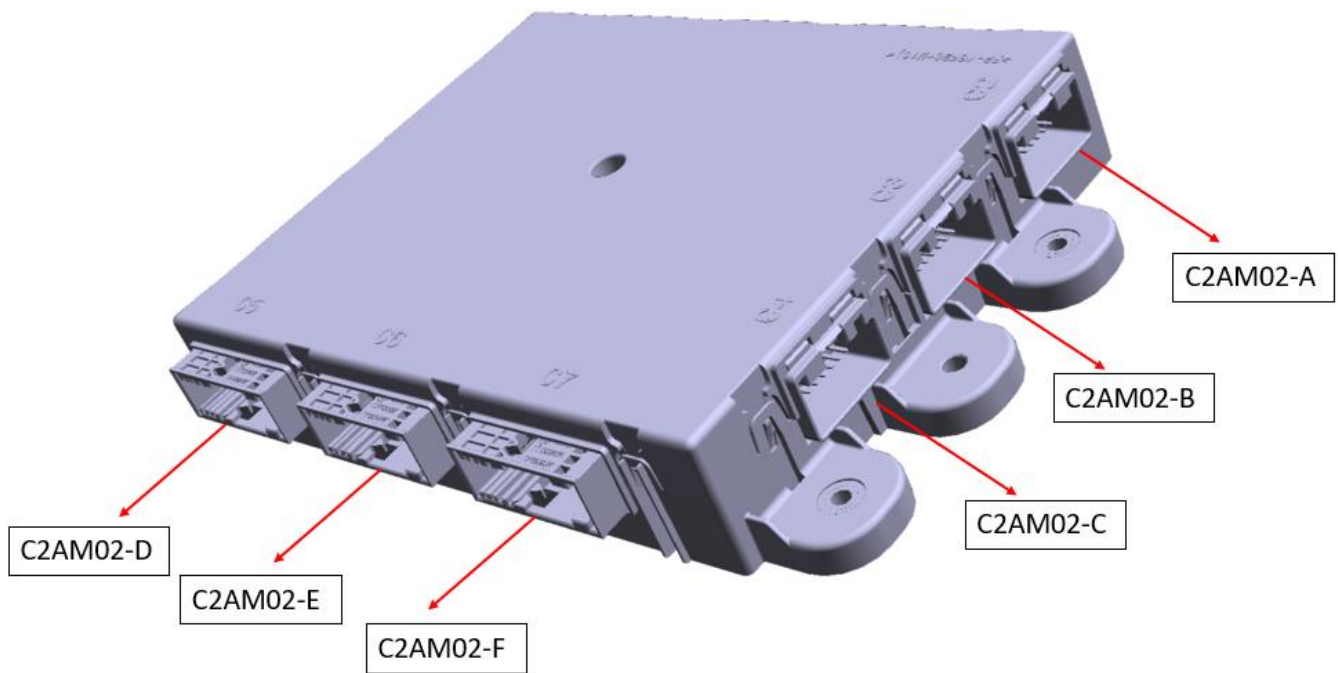
14398 (1)
ECU Conn



12A690 (2)
ECU Conn

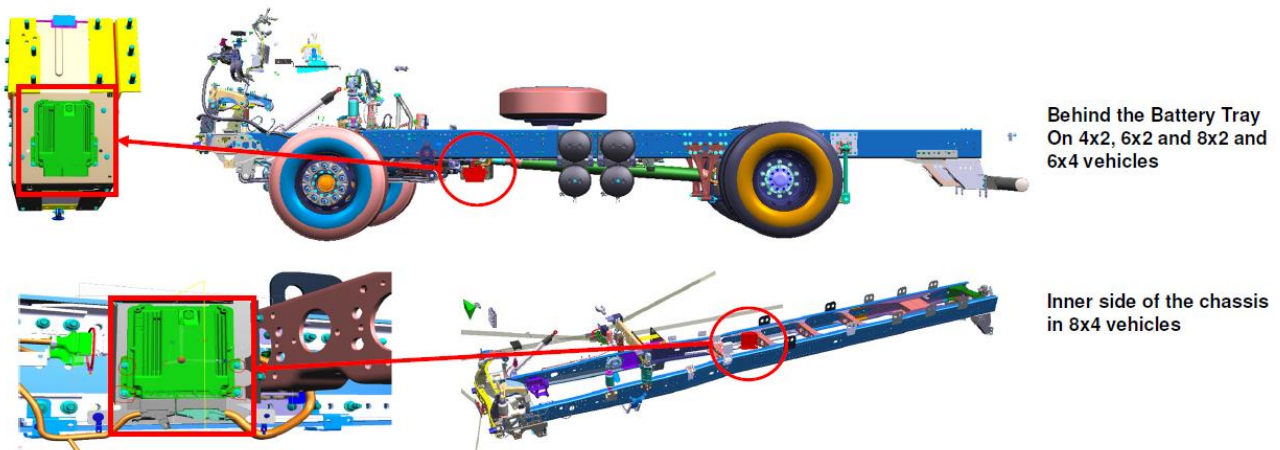
4.2.3. Body Control Unit (BCU)





4.2.4. Vehicle Control Unit (VCU)

Location on Vehicle



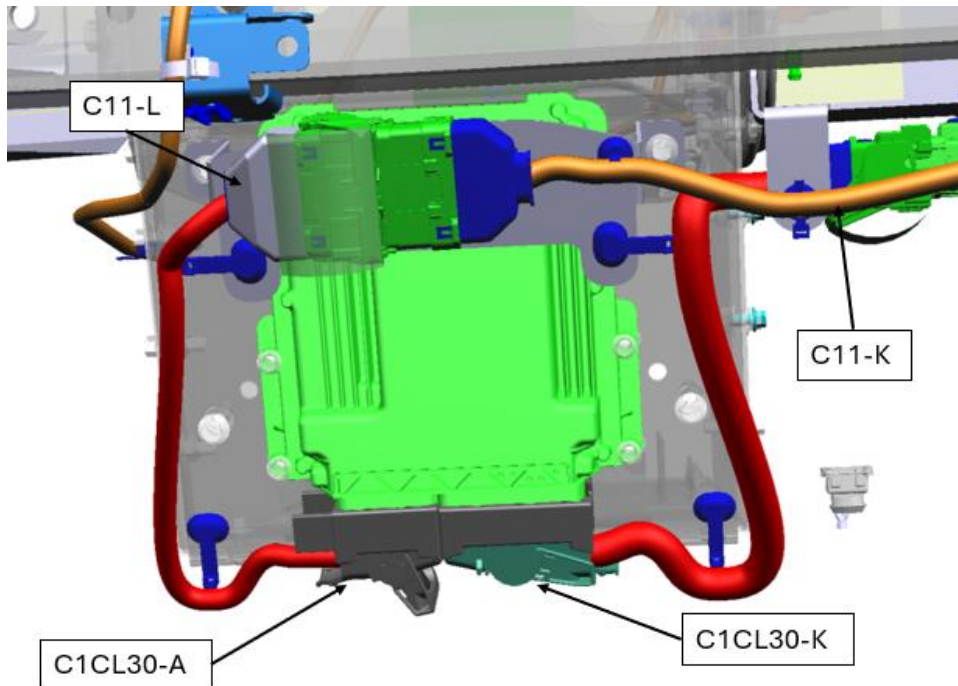


Figure 3 : Dimensions



Table 3: Dimensions and weight

weight	Dimension X	Dimension Y	Dimension Z
0.93kg $\pm$ 5%	203 $\pm$ 1 mm	229.3 $\pm$ 2.5 mm	37.9 $\pm$ 2 mm

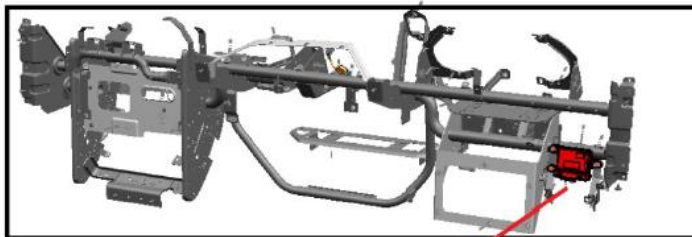
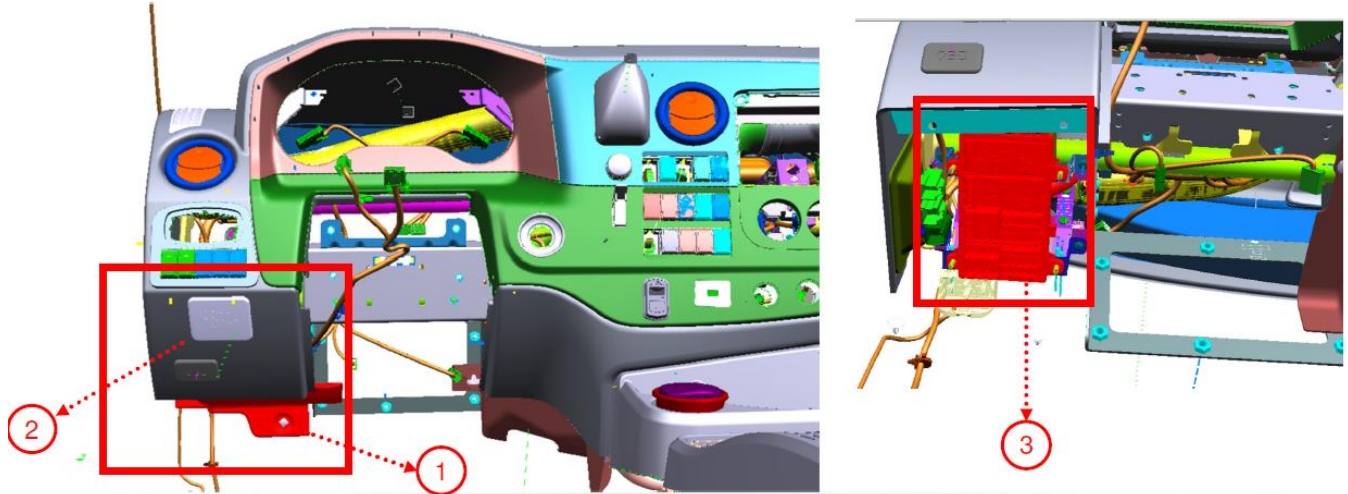
Nominal voltage : 24 V
 Operating voltage : 11 V to 32 V
 Operating temperature : -40 °C to +85 °C

TRUCKS

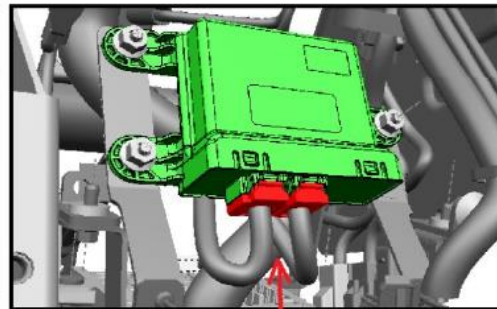
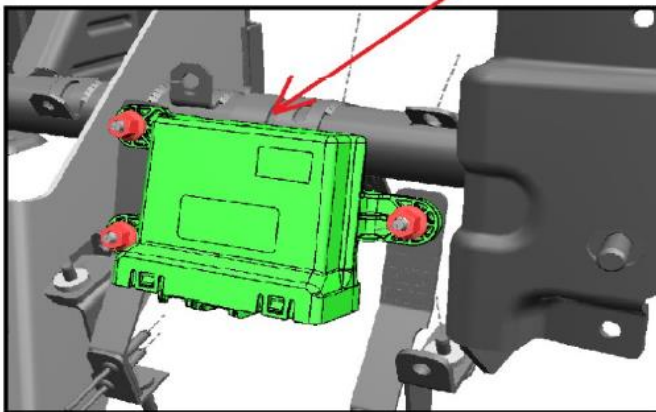
4.2.5. Central Gateway Module (CGW)

Location on Vehicle

The two covers on the lower left side of the steering wheel and the fuse block must be removed in order to reach the part.



Module: RC46-14H474-A*
Nut: W520111-S442
Torque: 7 Nm

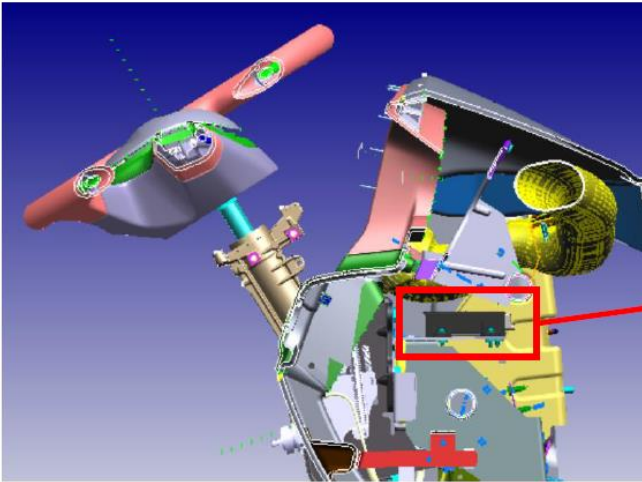


Branch from 14401 Wiring

TRUCKS

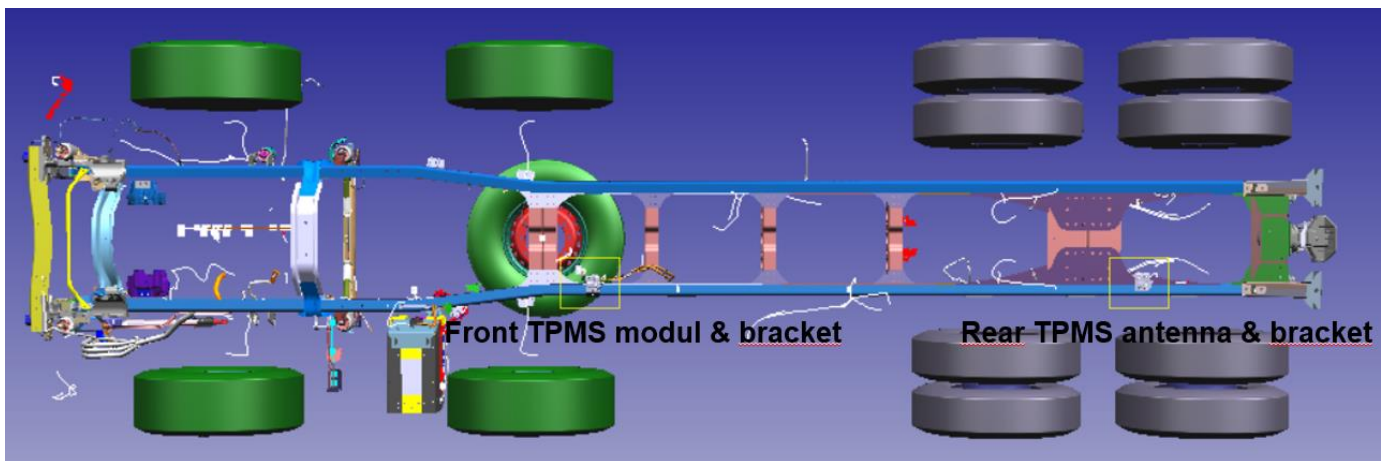
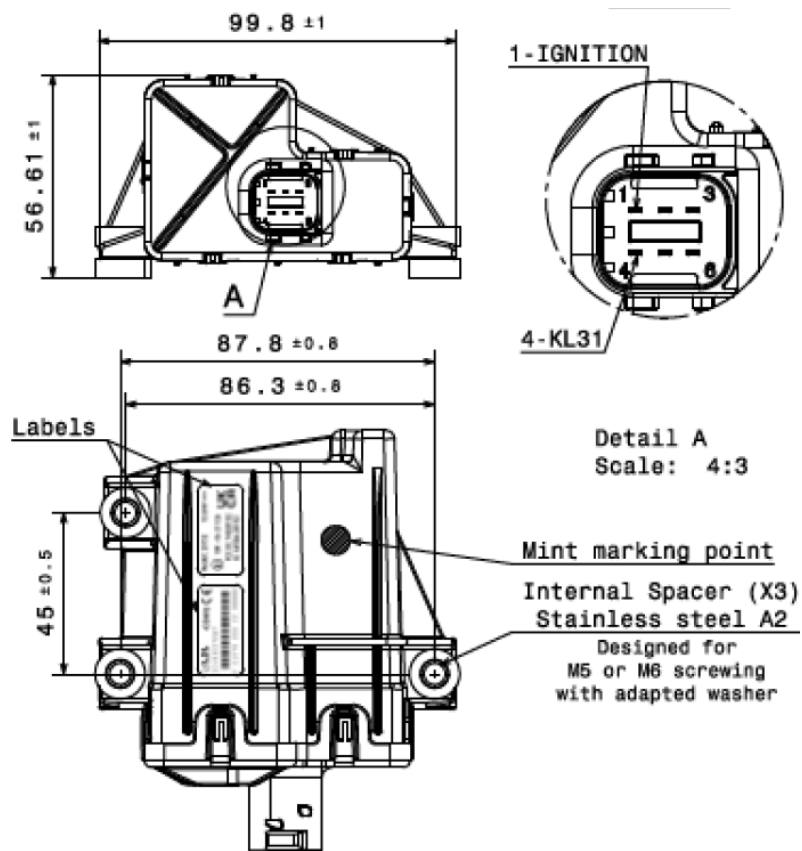
4.2.6. Telematics Control Unit (TCU)

Location on Vehicle



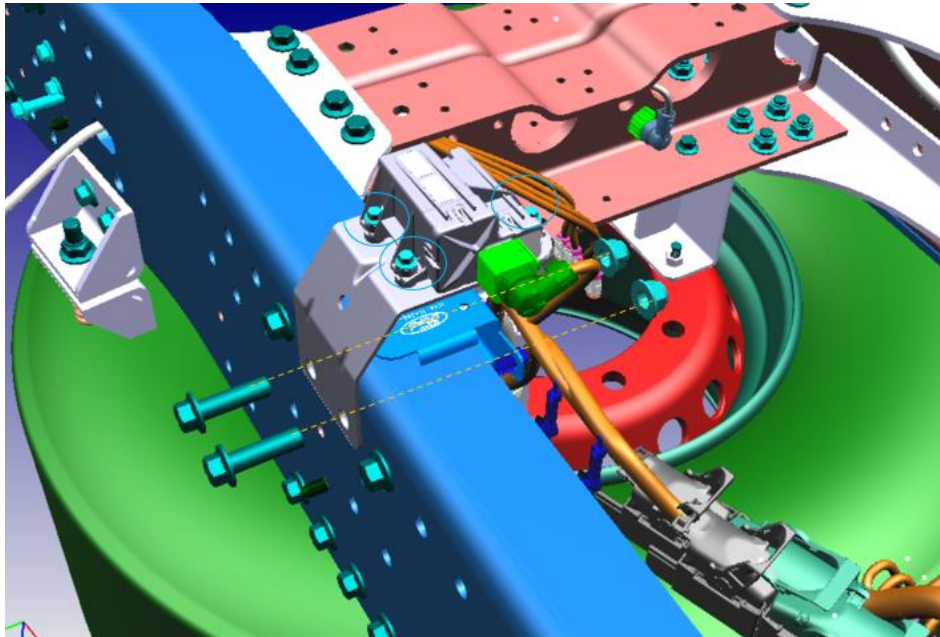
TRUCKS

4.2.7. Tire Pressure Monitoring System (TPMS)

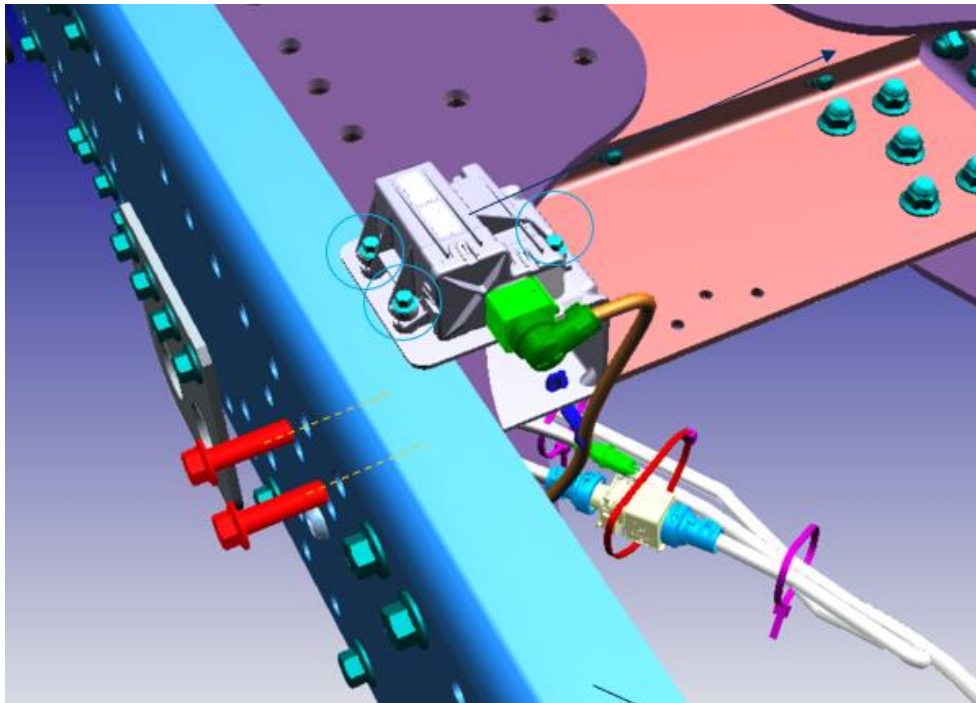


TRUCKS

Front TPMS Module & Bracket

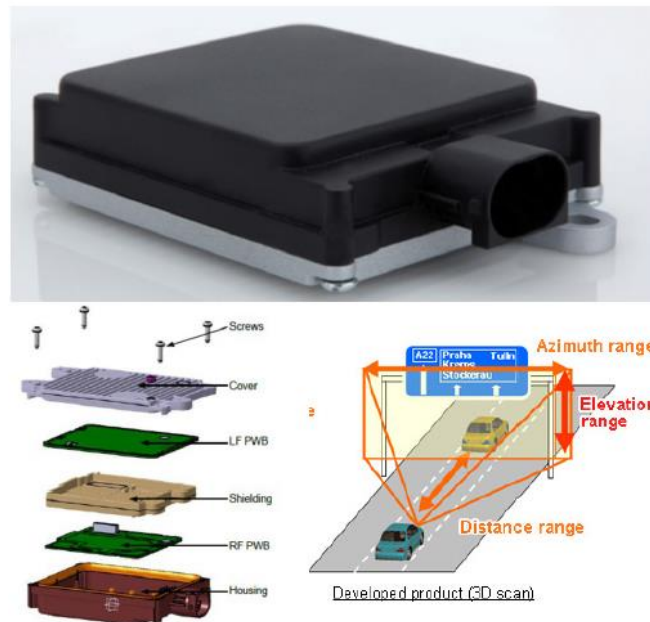


Rear Antenna & Bracket



TRUCKS

4.2.8. Long Range Radar (FLR-LR)



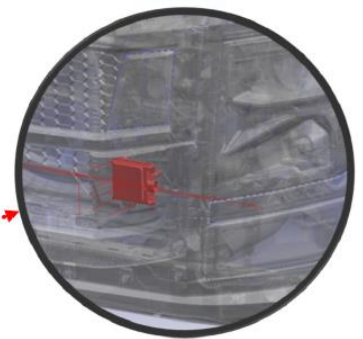
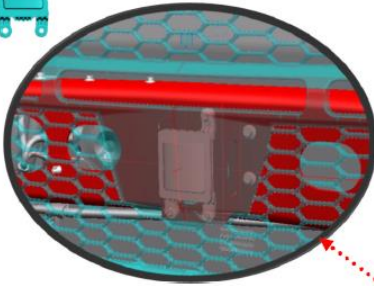
UBATT (12 V and 24 V)	Operation Mode	Behavior
UBATT < 6.5 V	Safe	- No communication on vehicle interface(s) - No fault monitoring (storing of errors)
6.5 V <= UBATT < 8.0 V	Low Voltage	- Normal communication on vehicle interface(s) - Normal hardware monitoring - Restricted fault monitoring (storing of fault "undervoltage")
8.0 V <= UBATT <= 32 V	Normal	- Normal communication on vehicle interface(s) - Normal hardware monitoring - Full fault monitoring
32 V < UBATT <= 35 V	High Voltage	- Normal communication on vehicle interface(s) - Normal hardware monitoring - Full fault monitoring (storing of fault "overvoltage")
35 V < UBATT	Safe	- No communication on vehicle interface(s) - Internal HW overvoltage protection activated
Monitor tolerance		±5%

Voltage Supply Operation Modes

	12V			24V		
	min.	typical	max.	min.	typical	max.
Average Power Consumption [W]	4	6,5	10	4	6,5	10
Average Current Consumption [A]	0,333	0,542	0,833	0,167	0,271	0,417

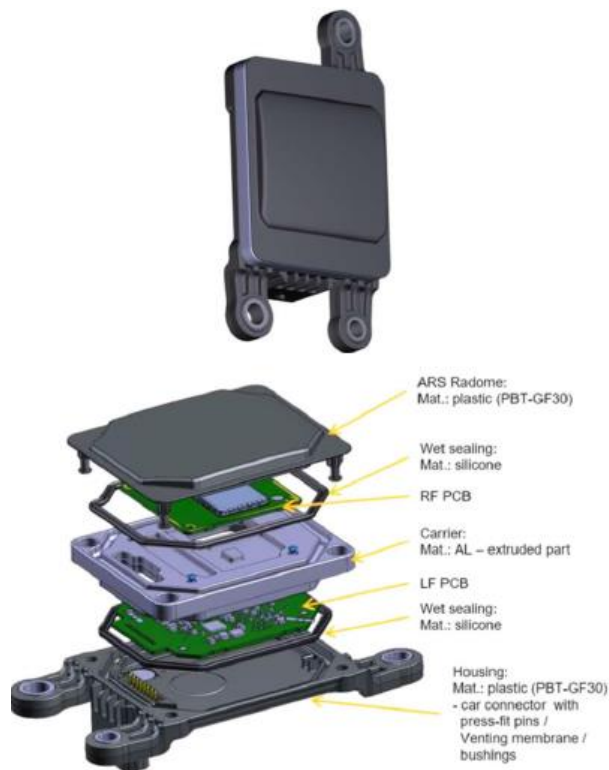
Current and Power Consumption

Vehicle Location (F-LINE / Front Looking Long Range Radar)



L: Long Range
S: Short Range

4.2.9. Short Range Radar (SLR-SR)



TRUCKS

UBATT (12 & 24 V)	Description / Operating range	Behavior
$-32\text{ V} \leq \text{UBATT} < 0\text{ V}$	HW Off	- Reverse voltage protection - Sensor is switched off by HW
$0\text{ V} < \text{UBATT} < 5\text{ V}$	HW Off	- Low power - Sensor is switched off by HW
$5\text{ V} \leq \text{UBATT} < 8.0\text{ V}$	Undervoltage	- Undervoltage detection tolerance and hysteresis range - The device will be either off or powered on, with not more than one single transition as long as voltage swing does not exceed 0.2 V
$8.0\text{ V} \leq \text{UBATT} < 32\text{ V}$	Normal	- Normal communication on vehicle interface(s) - Normal hardware monitoring - Full fault monitoring
$32\text{ V} \leq \text{UBATT} \leq 35\text{ V}$	High Voltage	- Overvoltage detection tolerance and hysteresis range - SW may detect overvoltage situation
$35\text{ V} \leq \text{UBATT}$	Safe	- $33.5\text{ V} < \text{UBATT} < 36.5\text{ V}$ HW protection tolerance range. - $\text{UBATT} \geq 36.5\text{ V}$ Internal HW overvoltage protection activated. - SW detects overvoltage situation

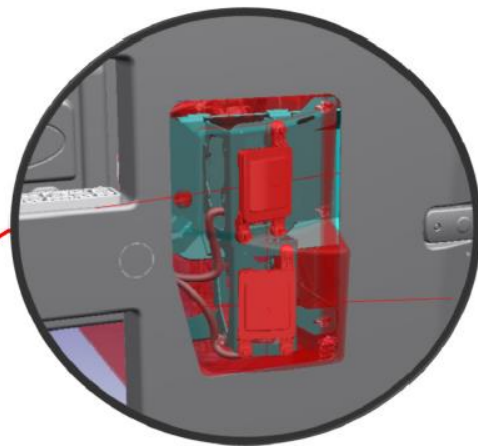
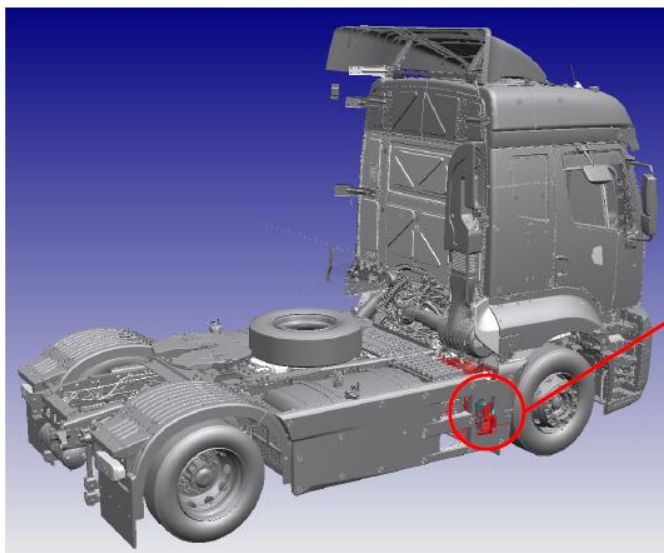
Voltage Supply Operation Modes

Current & Power Consumption	
Current	~440mA @ 12V ~240mA @ 24V
Power	~5.3W typ. @ 12V ~5.75W typ. @ 24V

Current and Power Consumption

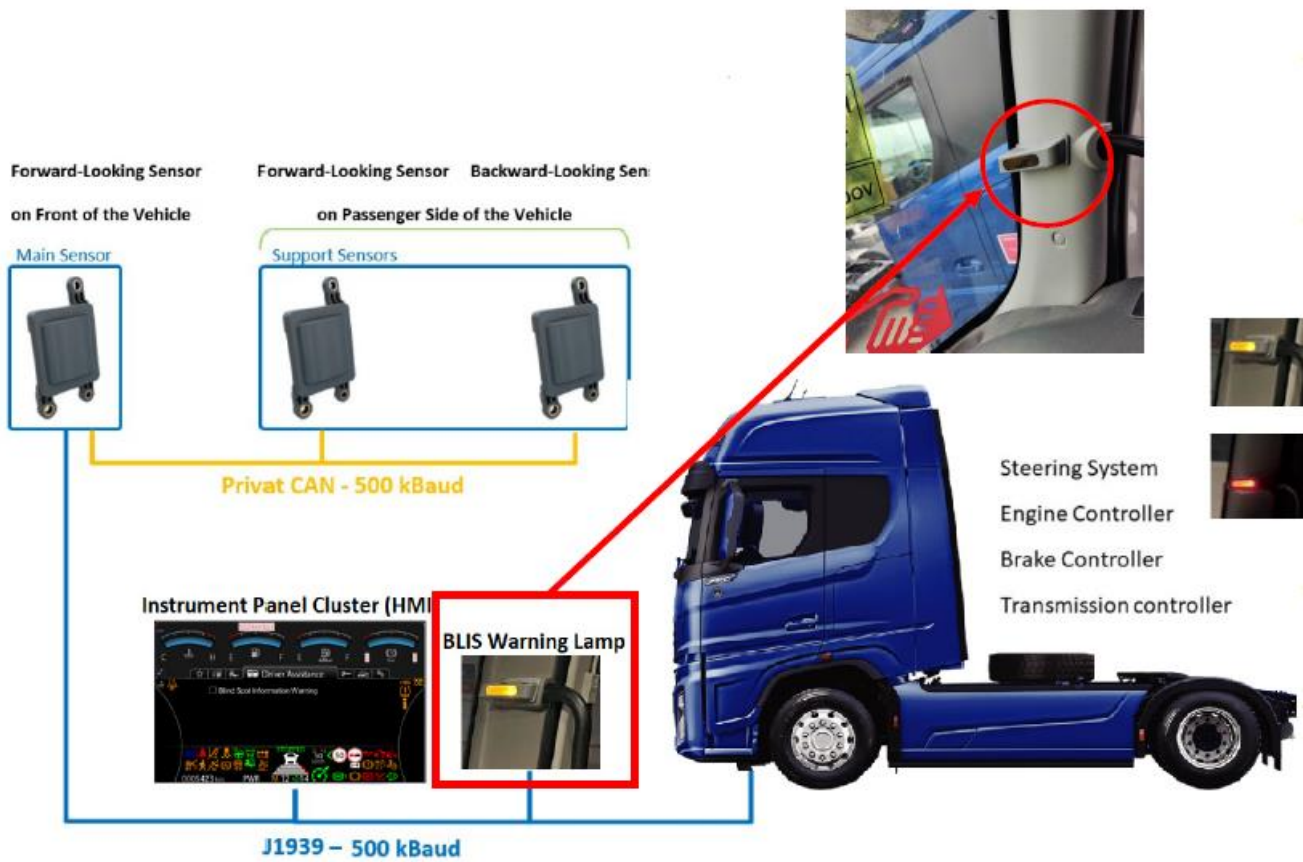
4.2.10. Side Looking Radar (SLR)

Vehicle Location (F-LINE / Side Looking Radar / With Side Skirt)

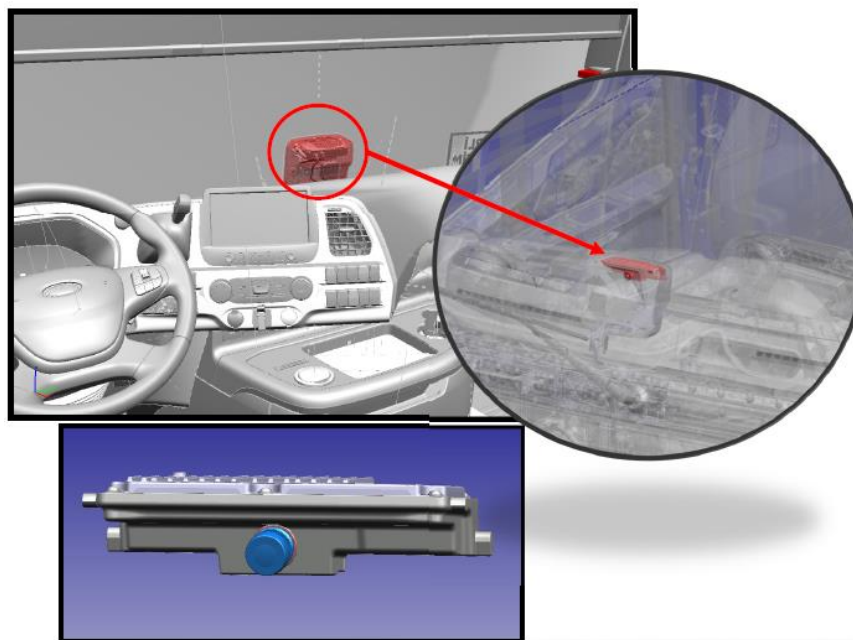


TRUCKS

4.2.11. BLIS Warning Lamp



4.2.12. Front Looking Camera



TRUCKS

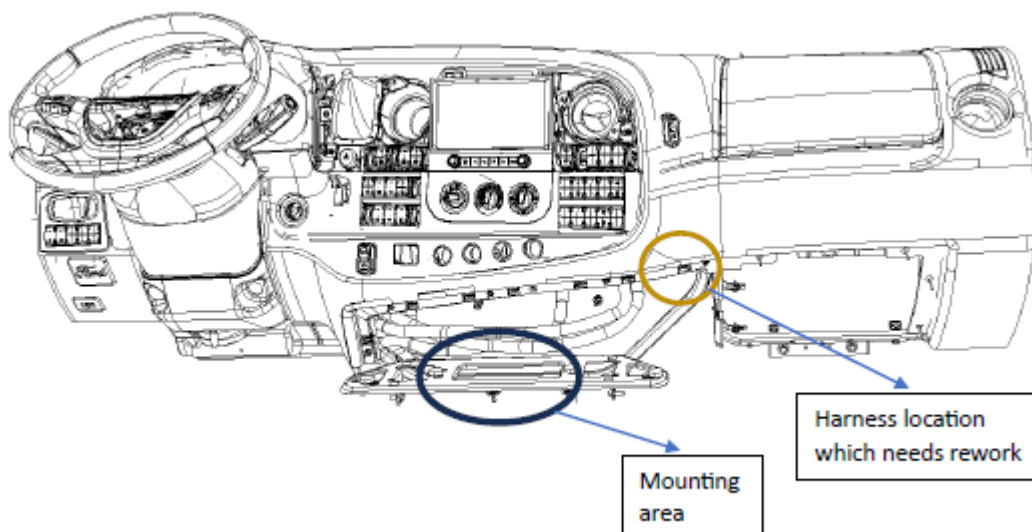
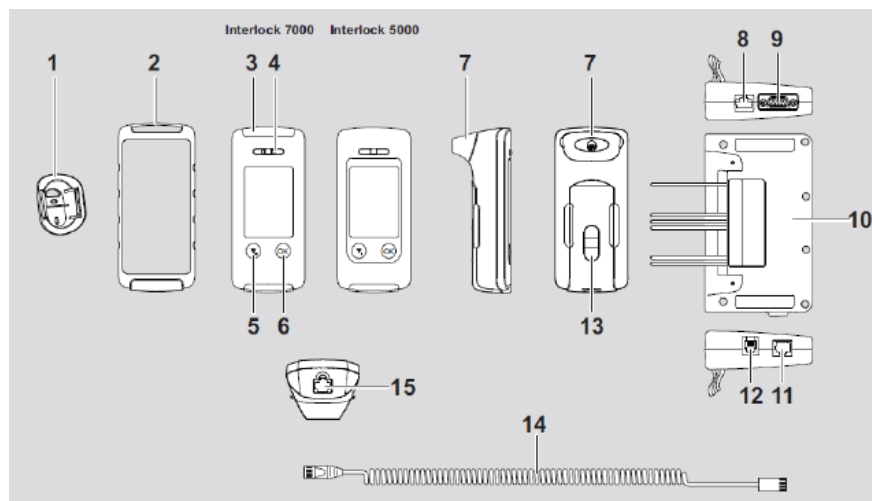
Battery voltage (U_{BATT})	Operation	Behavior
$U_{BATT} < 8.0 \text{ V}$	Shutdown	- No communication on vehicle interface(s) - No fault monitoring (storing of errors)
$8.0 \text{ V} \leq U_{BATT} \leq 32 \text{ V}$	Normal	- Normal communication on vehicle interface(s) - Normal hardware monitoring - Full fault monitoring
$32 \text{ V} < U_{BATT} \leq 42 \text{ V}$	Shutdown	- No communication on vehicle interface(s) - Internal HW overvoltage protection activated

Voltage Supply Operation Modes

	Current consumption [A]		Power consumption [W]	
	@ 12 V	@ 24 V	@ 12 V	@ 24 V
min. (@ low temp.)	0,49	0,26	5,9	6,2
nominal	0,54	0,29	6,5	7,0
max. (@ high temp.)	0,60	0,32	7,2	7,7

Current and Power Consumption

4.2.13. Alcohol Interlock Facilitation

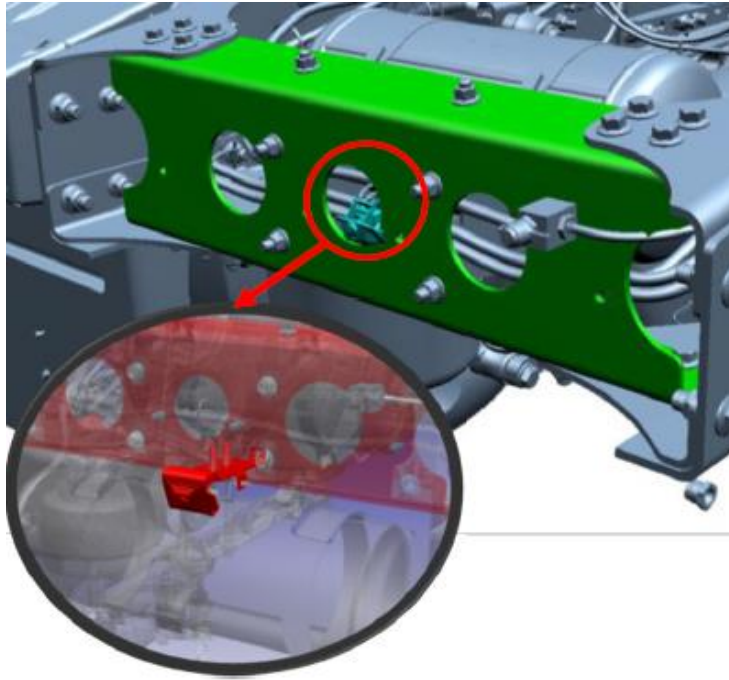


TRUCKS

Connection schematics			
	Function	Cable or Pin	Position of connections
1	Battery feed (terminal +30) For nominal 24V alcohol interlock requires and accepts 18V-36V when vehicle is off or in stand-by.	4S7T-14A459-VCA Pin 1	Connector is in the IP (Left side of the fuse box) 
2	Ground (terminal -30)	4S7T-14A459-VCA Pin 2	
3b	Input / Output The signal from the alcohol interlock must prevent the vehicle from starting/moving. This signal must be at a HIGH level.	4S7T-14A459-VCA Pin 3	Connector is in the IP (Left side of the fuse box) 
3b	Input / Output The signal from the alcohol interlock must prevent the vehicle from starting/moving. This signal must be at a HIGH level.	4S7T-14A459-VAA Pin 1	Connector is in the IP (Left side of the fuse box) 
4	Ignition (Terminal 15) The vehicle signals that it is ready to be used.	4S7T-14A489-VAA Pin 1	Connector is in the IP (Left side of the fuse box) 

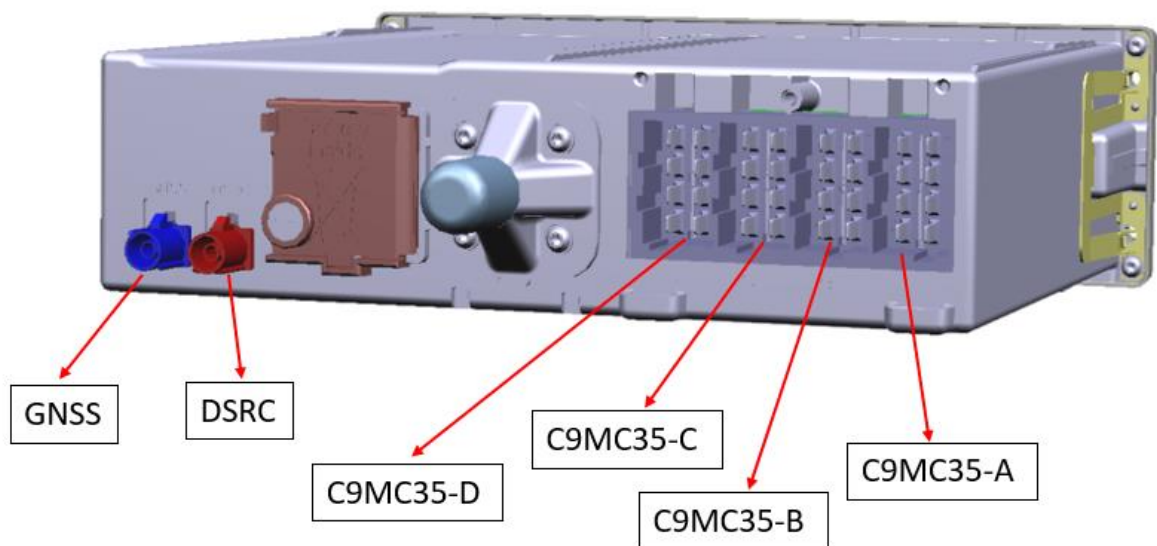
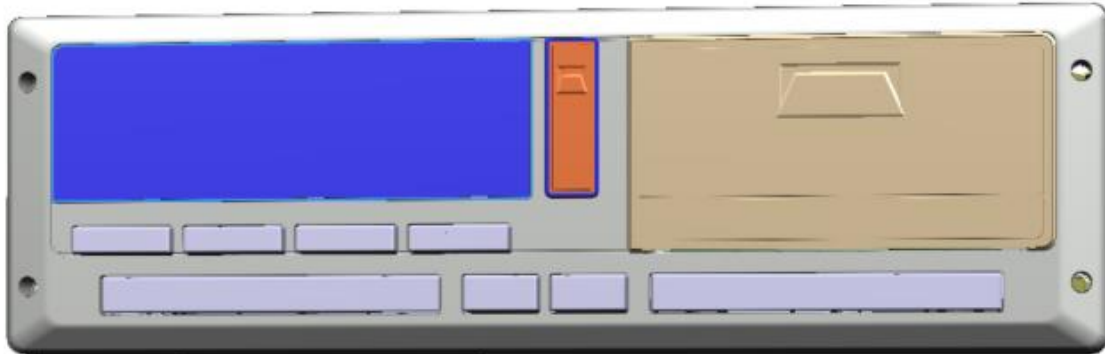
4.2.14. Rear View Camera



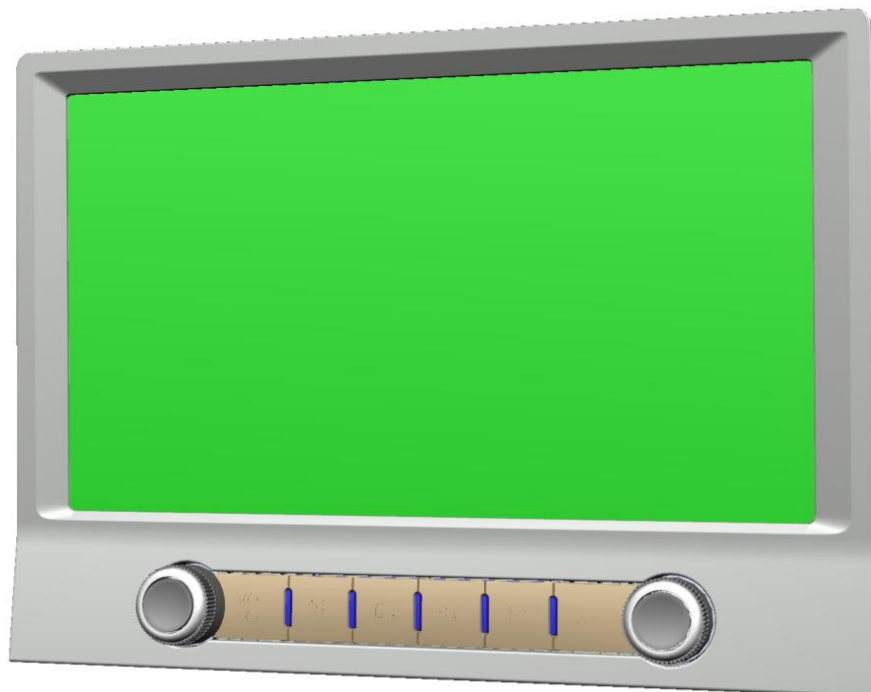
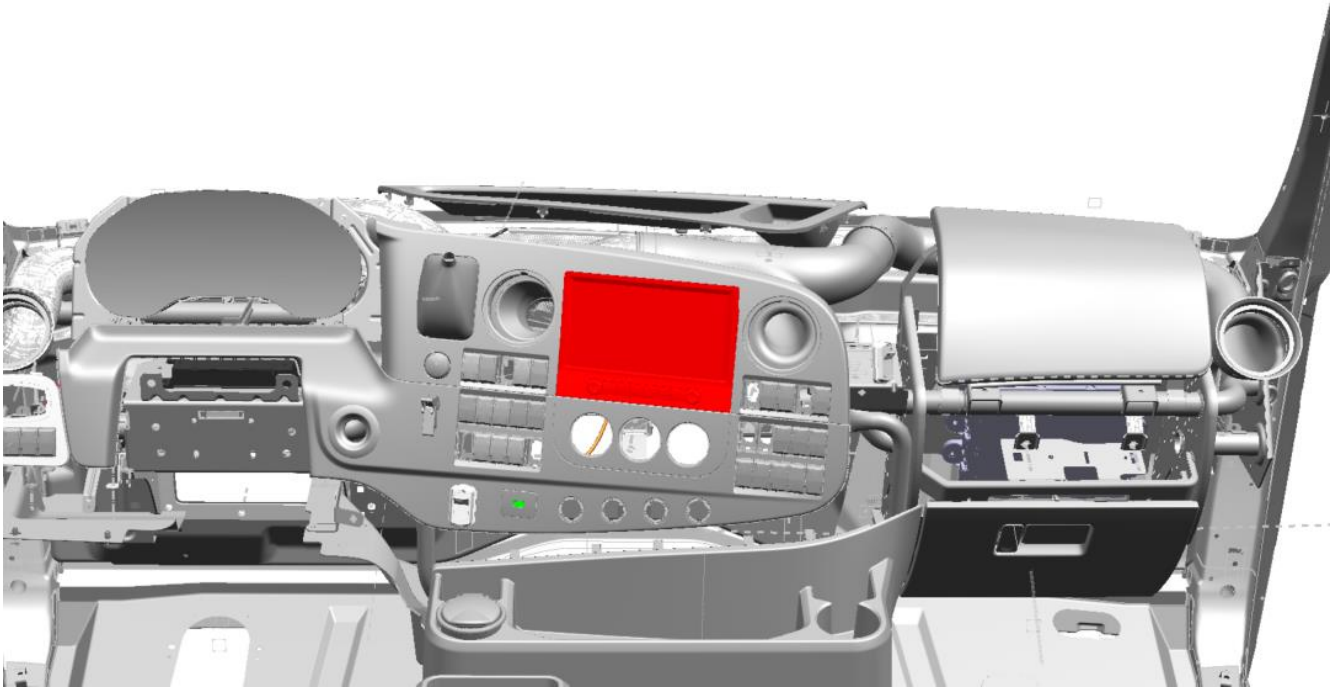


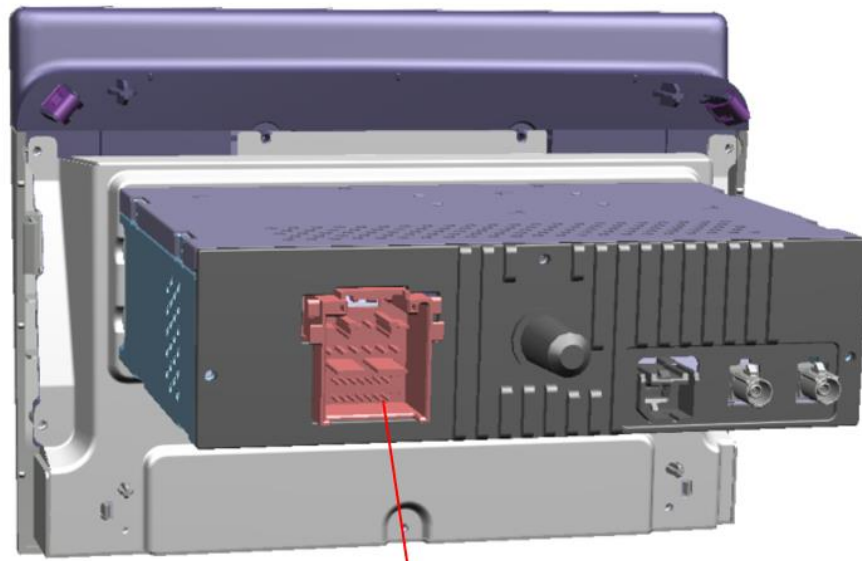
4.2.15. DTCO – Digital Tachograph



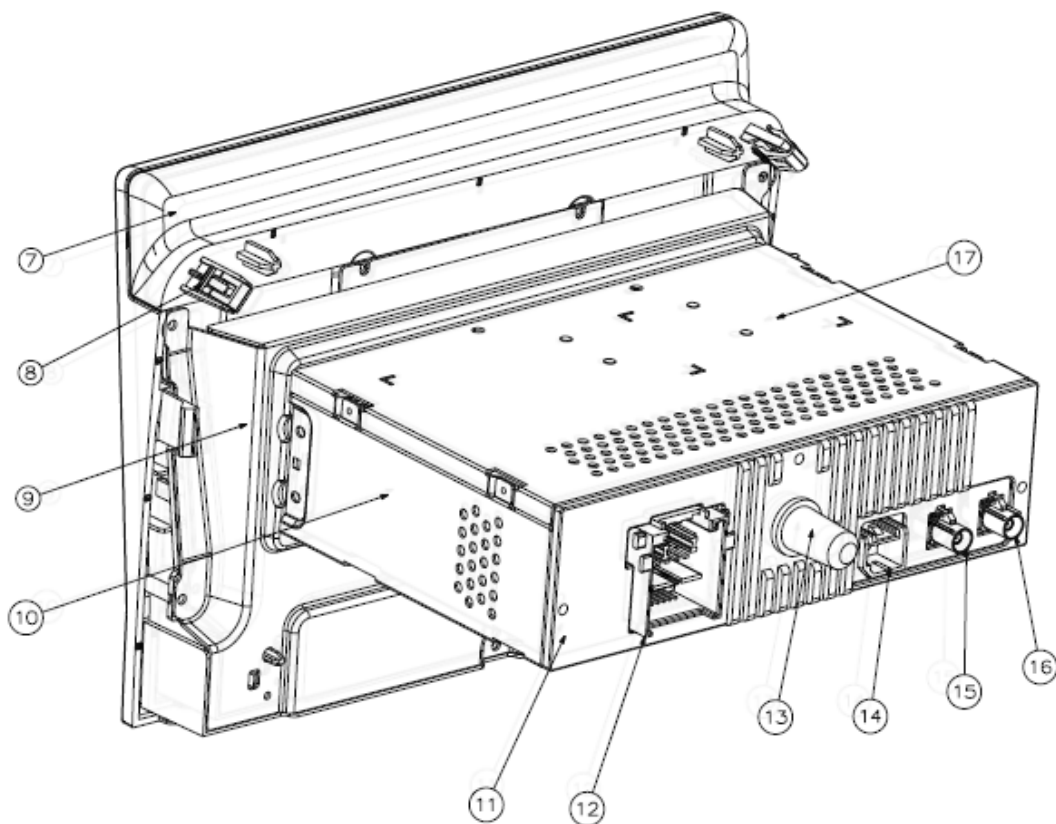


4.2.16. ACM – Multimedia Unit



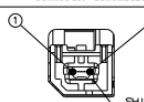


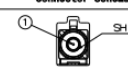
C2ME03-A

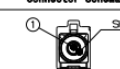


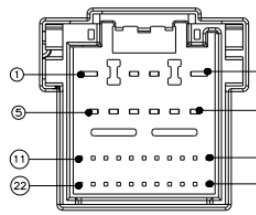
TRUCKS

Item	SUB Component description E.G. : Front plate	Component material-Commercial name E.G: PC/ABS-Bayblend T65	Texture (graining) E.G. : A08	Finishing (Painting, chroming, coating?) E.G.: JA8
1	Front Panel	PC+ ABS Bayblend T65XF	B11	JA8AXXK
2	Knob	PC+ABS8F21/TPV/ABS	B11	JA8AXXK
3	Buttons	PC2407	B11	JA8AXXK
4	Chrome strip	ABS 777D	/	/
5	Lens + LCM	Glass	/	/
6	Antenna Cover	PC+ ABS Bayblend T65XF	/	/
7	Back Cover	PC+ ABS Bayblend T65XF	B11	JA8AXXK
8	Clamp	POM	/	/
9	Front Bracket	SECC (T=1.0)	/	/
10	U-Frame	SECC (T=0.8)	/	/
11	AMP Heatsink	ADC12	/	/
12	Main Connector 32PIN	YAZAKI-7288-7658-30	/	/
13	Pivot	Rubber(NANCAR1051)	/	/
14	USB Connector	Molex-1040260511	/	/
15	GPS Connector (Blue)	TE-2291392-3	/	/
16	FM/AM Connector (Black)	TE-2291392-1	/	/
17	Top Cover	SECC (T=0.8)	/	NMP Dispersion OD: 20-30 nm
18	SOC Heatsink	AL 1080	/	/

Connector Schematic	USB Connector (Molex-1040260511)												
	<table> <tr> <th>Pin Number</th><th>Signal Abbreviation</th></tr> <tr> <td>1</td><td>USB 1 VBUS</td></tr> <tr> <td>2</td><td>USB D-</td></tr> <tr> <td>3</td><td>USB D+</td></tr> <tr> <td>4</td><td>N/A</td></tr> <tr> <td>5</td><td>USB GND</td></tr> </table>	Pin Number	Signal Abbreviation	1	USB 1 VBUS	2	USB D-	3	USB D+	4	N/A	5	USB GND
Pin Number	Signal Abbreviation												
1	USB 1 VBUS												
2	USB D-												
3	USB D+												
4	N/A												
5	USB GND												

Connector Schematic	GPS Connector (Blue-TE-2291392-3)						
	<table> <tr> <th>Pin Number</th><th>Signal Abbreviation</th></tr> <tr> <td>1</td><td>GPS RF</td></tr> <tr> <td>SHIELD</td><td>SHIELD</td></tr> </table>	Pin Number	Signal Abbreviation	1	GPS RF	SHIELD	SHIELD
Pin Number	Signal Abbreviation						
1	GPS RF						
SHIELD	SHIELD						

Connector Schematic	FM/AM Connector (Black-TE-2291392-1)						
	<table> <tr> <th>Pin Number</th><th>Signal Abbreviation</th></tr> <tr> <td>1</td><td>RADIO RF</td></tr> <tr> <td>SHIELD</td><td>SHIELD</td></tr> </table>	Pin Number	Signal Abbreviation	1	RADIO RF	SHIELD	SHIELD
Pin Number	Signal Abbreviation						
1	RADIO RF						
SHIELD	SHIELD						

Connector Schematic	Main Connector 32PIN(YAZAKI-7288-7658-30)																																																																		
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Regards,
Aslıhan Akbudak Şık
Ford Trucks Service Engineering