VOLVO CAR
SERVICE AND PARTS BUSINESS

Technical Journal

TITLE:

DTC SRS-B15381B High Voltage battery loop control

REF NO:	ISSUING DEPARTMENT:	CAR MARKET:	
TJ 34567.1.1	Technical Service	United States and Canada	
PARTNER:		ISSUE DATE:	STATUS DATE:
3 US 7510 Volvo Car USA		2019-06-18	2019-08-13
FUNC GROUP:	FUNC DESC:	Page 1 of 15	
3113	Battery, high voltage		

"Right first time in Time"

Attachment

File Name	File Size
9513036.png	0.5945 MB
Connector 1-4 terminal replacement.pdf	0.4576 MB
TJ 34567.pdf	0.9564 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
2XX	BC						2016-2018		-	201526-201744
2XX	BR						2018-9999		-	201717-999952

CSC Customer Symptom Codes

Code	Description
7G	Text window and warning symbol/Yellow symbol and text message
IV	Text window and warning symbol/Text message

VST Operation Number

VST Operation Number	Description
36001-2	Diagnostic trouble codes read / reset / known Diagnostic trouble codes with VIDA
96158-3	Troubleshooting instrumentation: KT

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
SRS	B15381B	Intermittent

Rows beginning with * are modified
Note! If using a printed copy of this Technical Journal, first check for the latest online version.

Text

DESCRIPTION:
If a Supplemental Restraint System (SRS) message in combination with DTC SRS-B15381B is present, please follow “Service”.

Technical explanation:
The SRS module has a loop to the High Voltage (HV) battery as one of several methods to open battery contactors in the event of an accident.
The SRS module monitors the resistance value in this loop. If the loop is open or resistance is high, it will set the DTC and a message will be displayed.

Reported customer symptom are Driver Information Module (DIM) SRS message and SRS warning symbol.

SERVICE:
The resistance of the circuit can be monitored using the SRS parameter “High voltage battery power supply disconnect.”

Check the cable harness from the SRS module to the HV battery.
* Drag check terminal 11 and 12 in the low voltage connector to the HV battery using tool 9513036.
* For more reference information including connector disassembly, see attachments.

***Warranty claim info:**
To get warranty claim accepted for a job described in this TJ, please use following data:
VST OP number: 36001-2, 96158-3

VEHICLE REPORT:
Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area “Vehicle Report” and sub concern area “Support needed”, use function group 3113.

To view TJ attachments continue to next page. This TJ has three attachments.


9513036
MADE IN SWEDEN
0.64
1.5
2.8
5.8
6.3

VOLVO

CONNECTOR 1-4 TERMINAL REPLACEMENT

REQUIRED TOOLS

Required tools:

- Volvo Special Tool 951 2630 *
- Pocket Screwdriver

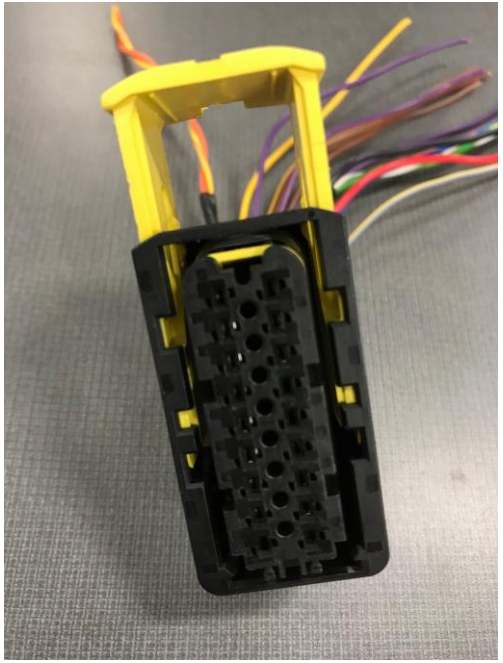
* 951 2630 is available for purchase on the Volvo Cars Special Tools website.

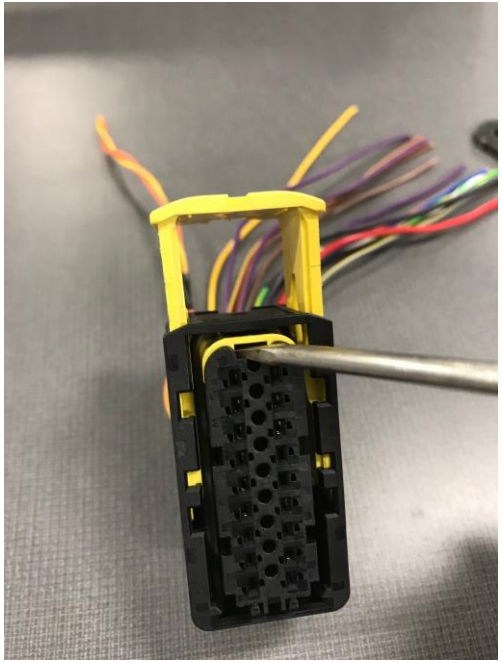
http://www.volvotools.com/

TERMINAL REMOVAL

Terminal removal:

- Use a pocket screwdriver to release the locking tab.

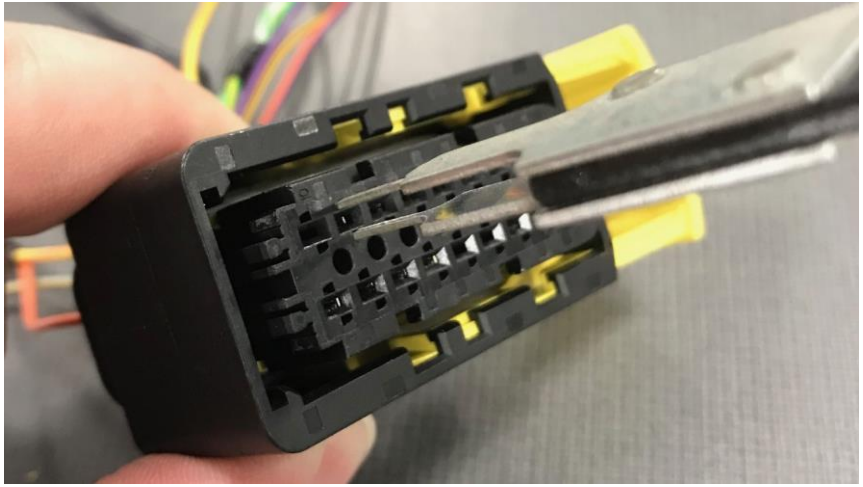




TERMINAL REMOVAL

Terminal removal continued:

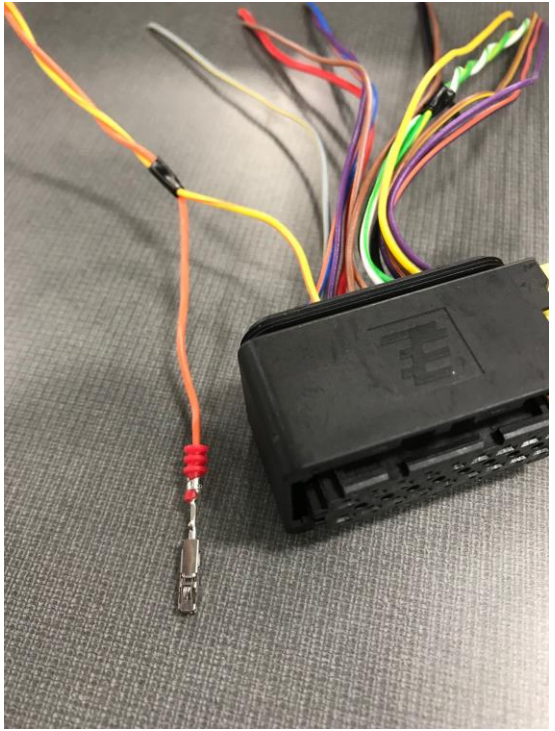
- Insert the prongs of 951 2630 into the smaller holes in the connector housing, push in until it stops.
- Note: ***DO NOT*** insert the tool into the larger rectangular openings, this will damage the terminals!
- Now remove the tool, the terminal should pull out smoothly from the backside. You may need to pull gently on the wire while removing the tool.



TERMINAL REPLACEMENT

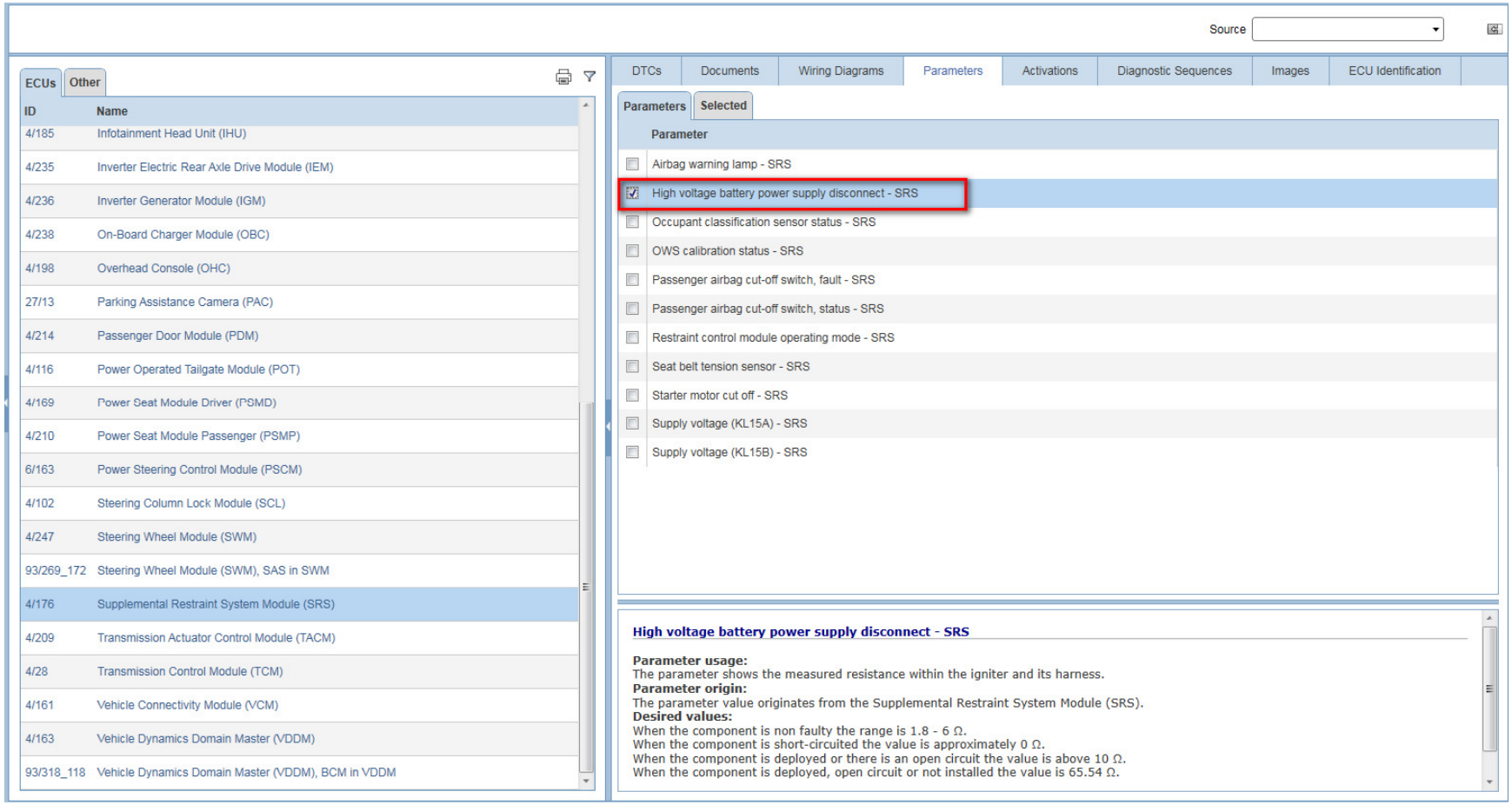
Terminal replacement:

- Replace the terminals using part number 31409245.
- Follow the instructions in Vida for joining cables.
- Vida -> Information -> Repair -> Cleaning, Inspection and Adjustment -> 3 Electrical System -> 37 Cables and fuses -> 371 cables -> Joining cables
- Once the cables are joined install the new terminals into connector 1-4 and reinsert the locking tab.

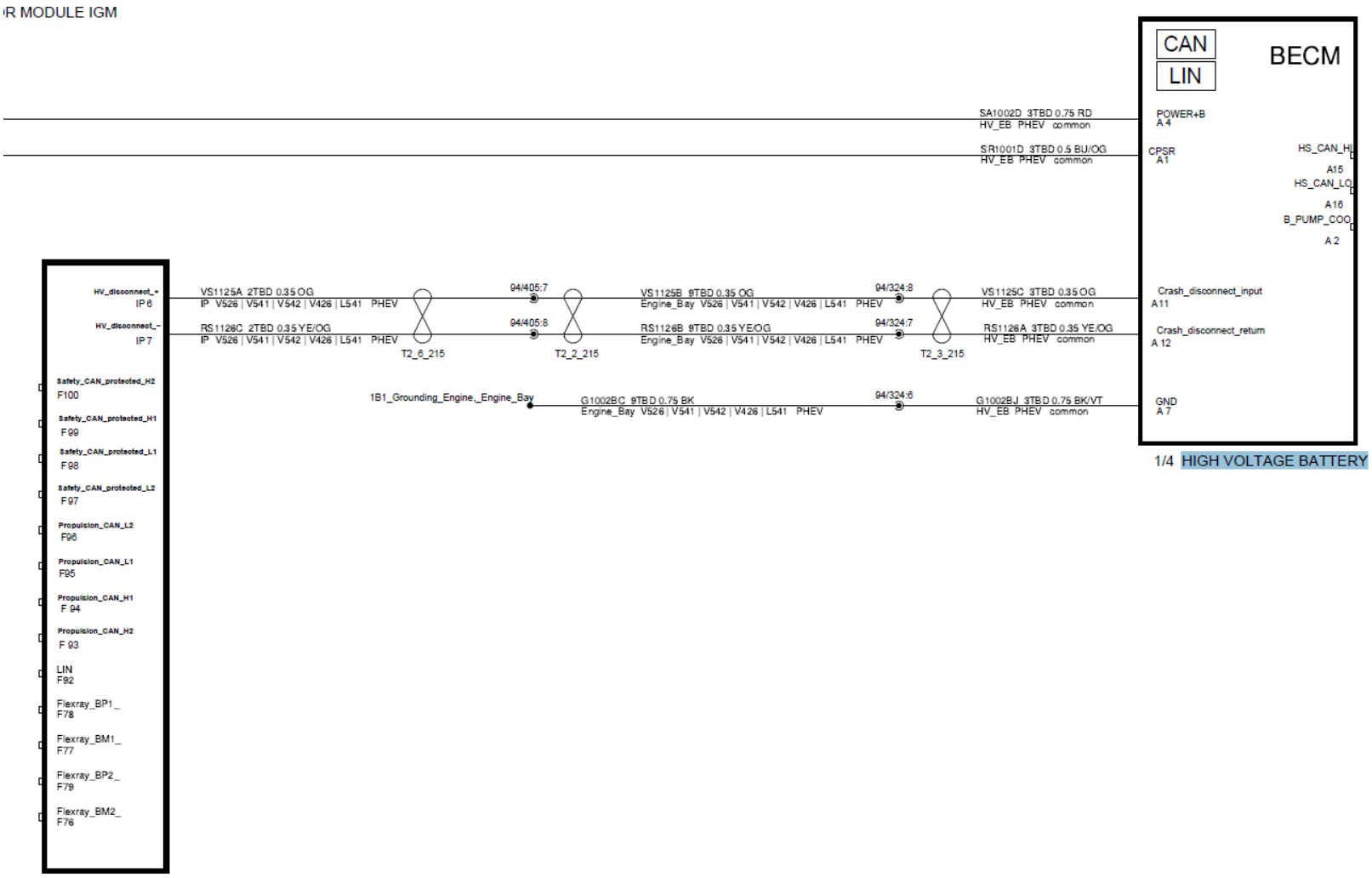



VOLVO

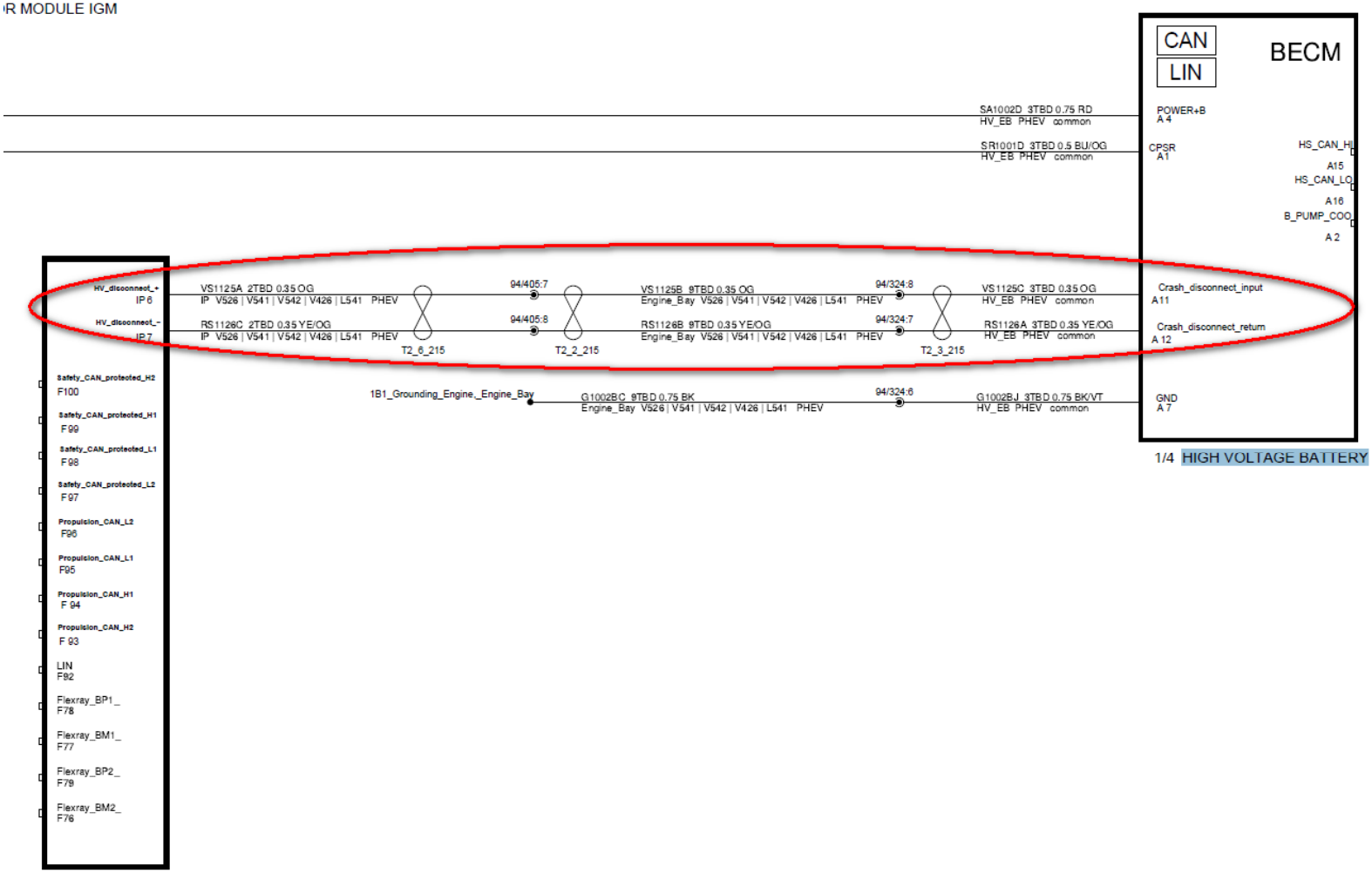
VIDA, diagnostic service



DTC SRS-B15381B, High voltage battery power supply disconnect deployment loop control



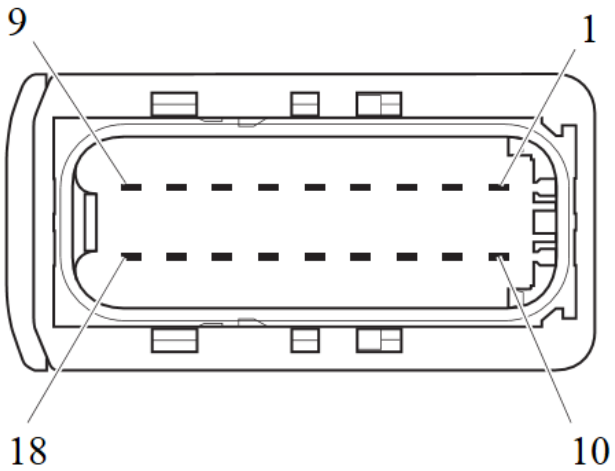
IR MODULE IGM

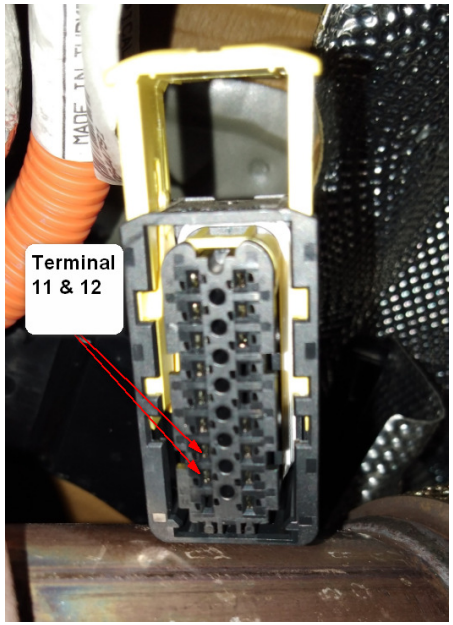


1/4 HIGH VOLTAGE BATTERY

4/176 SUPPLEMENTARY RESTRAINT SYSTEM SRS

LV connector from car to HV battery
Terminal 11 and 12 crash input





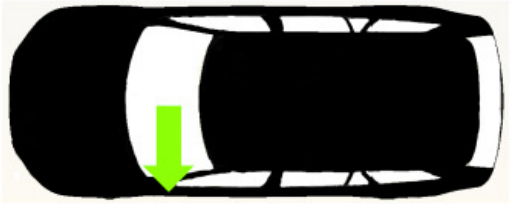
PHEV INLINE IP ENGINE BAY

94/405

Connector pno

31409161

Position in vehicle



94/324

Connector pno

31344076

Position in vehicle