

PREVOST

MULTIPLEX MODULES DISCONNECTION PROCEDURE PRIOR TO WELDING

PROCEDURE NO: PR10177-232 (COM) / 233 (H) / 234 (X)
2015-04-23

Material: N/A

Equipment(s): Phillips-head screwdriver
Ratchet handle
3/8" socket
Electric tape
Long nose pliers

Reference schematics: N/A


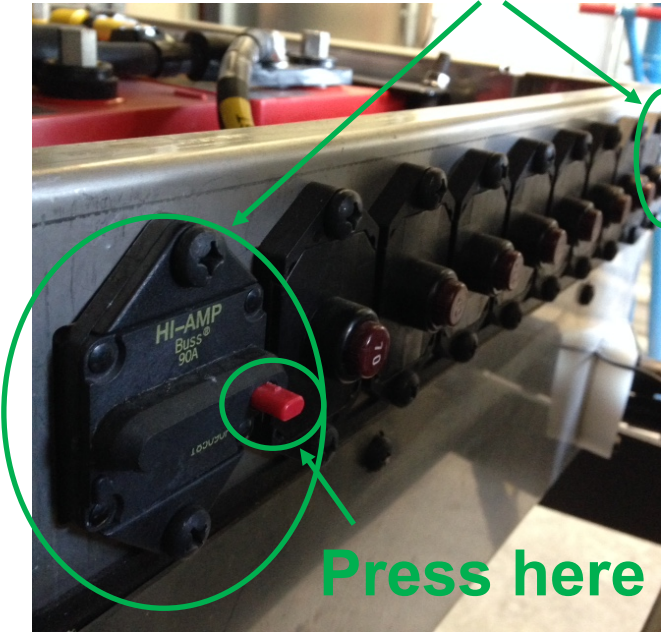


Safety rules:

- Wear safety goggles
- Set the battery master switch to the OFF position first

Recommendations: This procedure should be performed by qualified personnel only.

	Effective
Revision 00 : New procedure for cooling 2007	
Revision 01 : Modified for EPA 2010	
Revision 02 : Added: battery equalizer data connection (PRIME).	
Revision 03:April 2015:updated with PR10177-232 (COM)/ 233 (H) / 234 (X), Was PR060041	

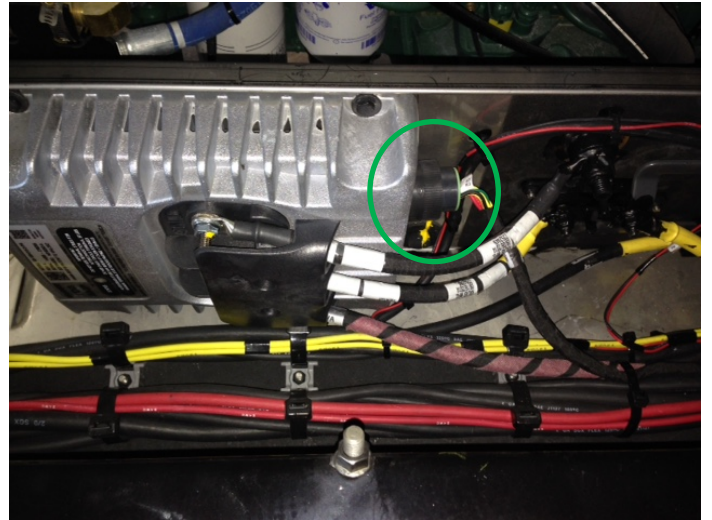
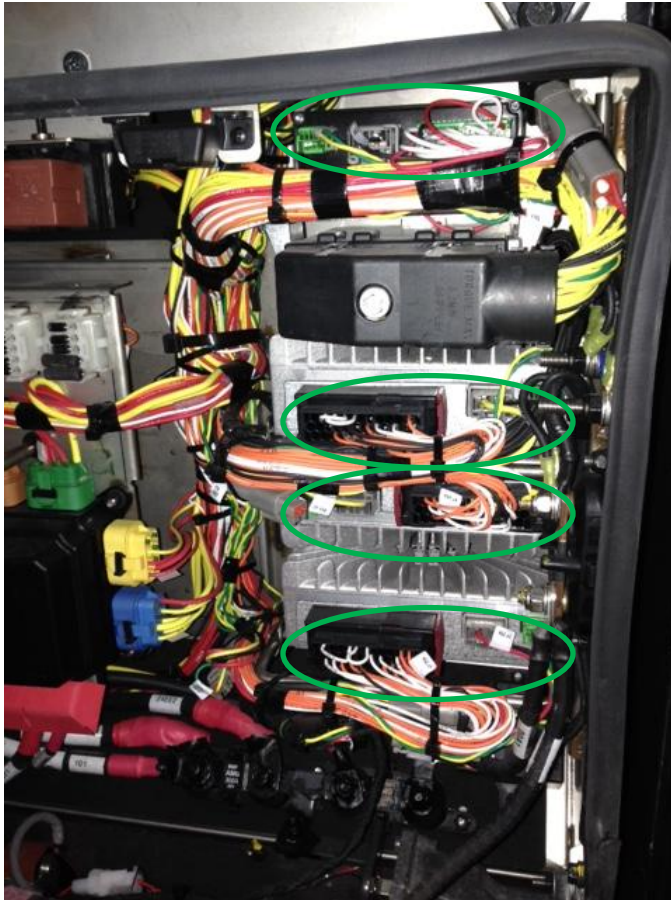
Disconnection prior to welding

10	Switch ignition OFF Switch Master cut-out OFF	11	Open the 2 circuit breakers (each end)
			
12	Disconnect both electronic grounds Use insulating tape to make sure that cables don't touch each other or the vehicle body	13	Disconnect C397 and C355
			

Disconnection prior to welding

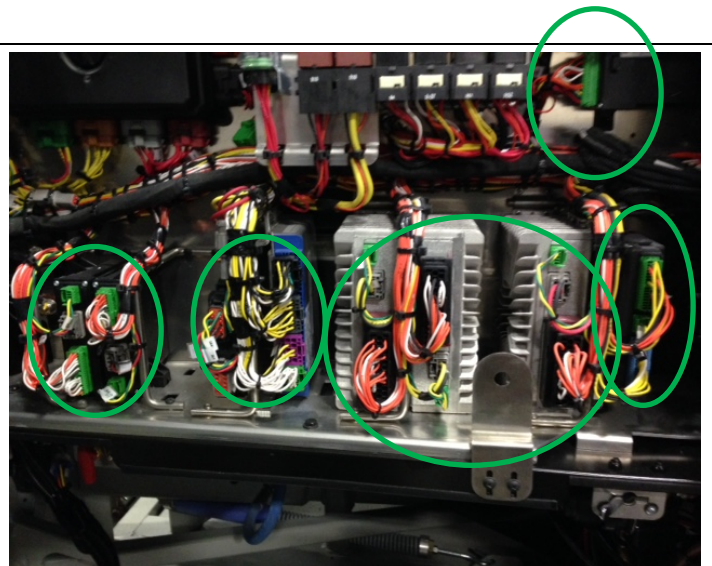
14 Disconnect all the connectors from the I/O-A and I/O-B modules in rear junction box

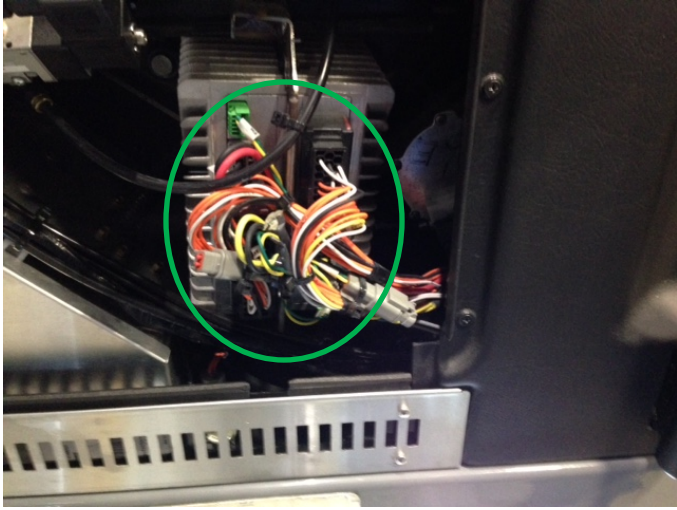
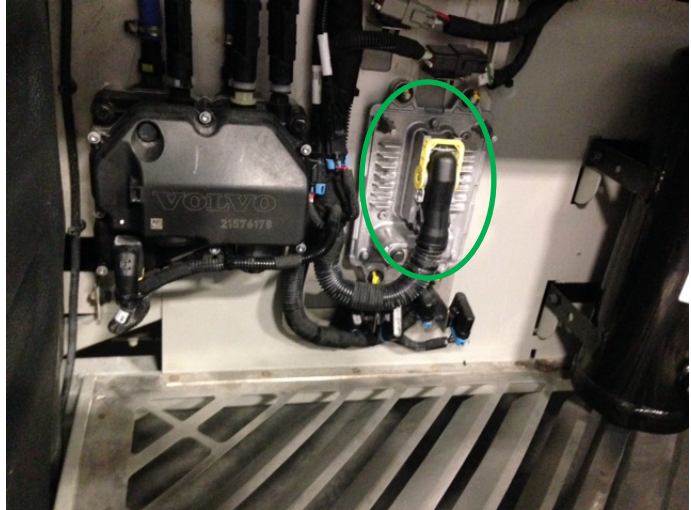
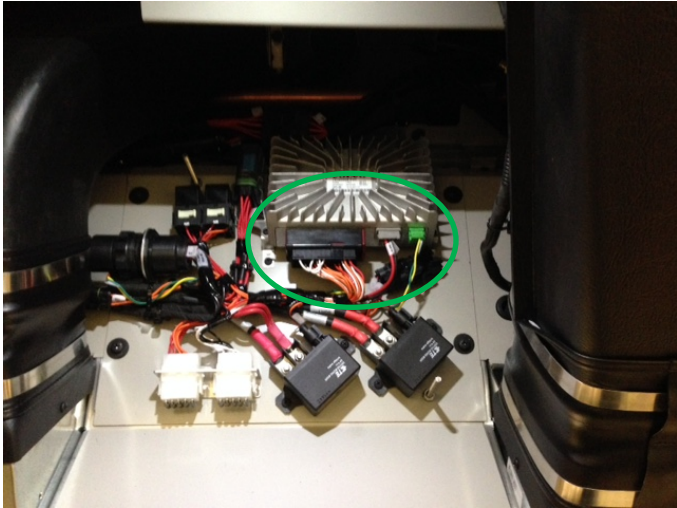
15 Disconnect the control connector from the battery equalizer




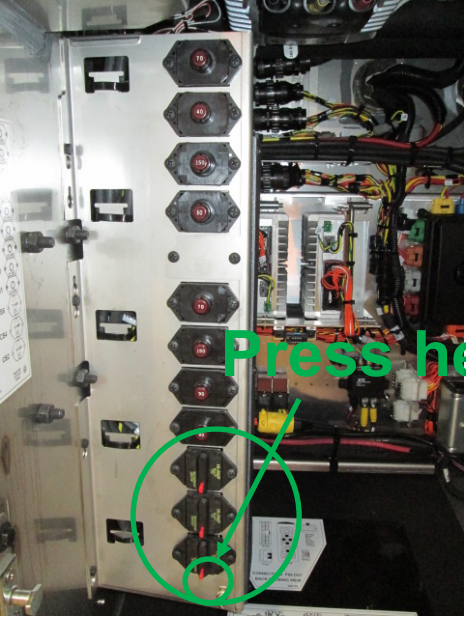

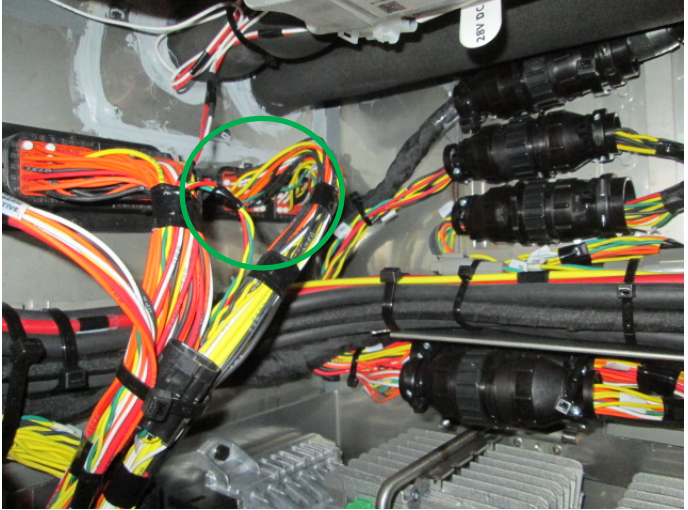
16 In the front junction box
Disconnect all the connectors from :

- I/O-A modules
- I/O-B modules
- Vancso Gateway
- ABS module
- VECU
- MCM

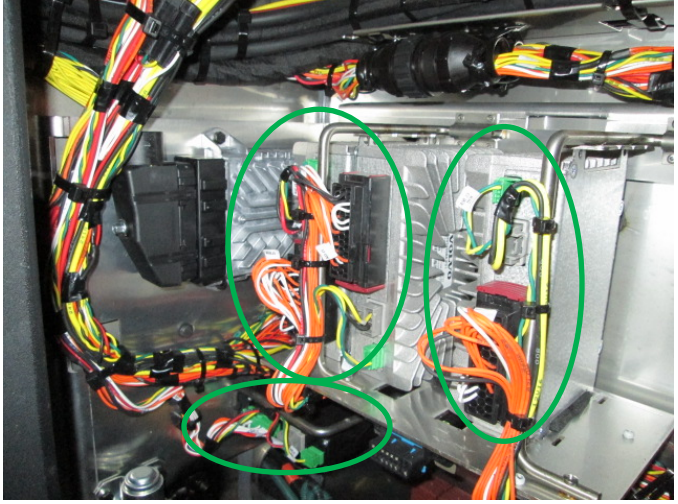


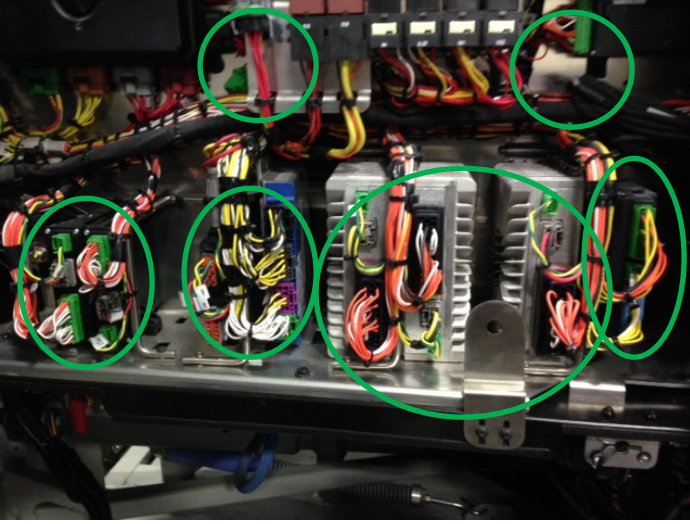


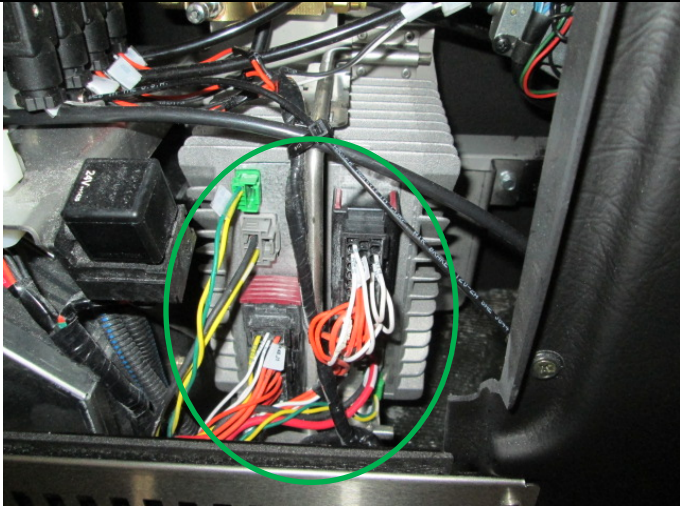
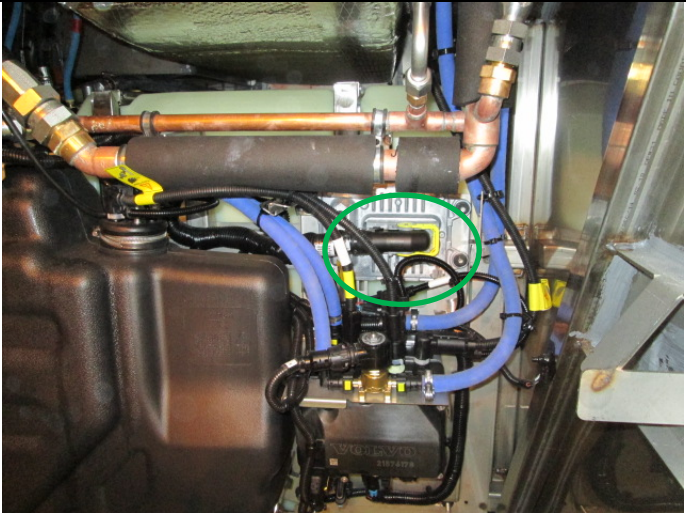
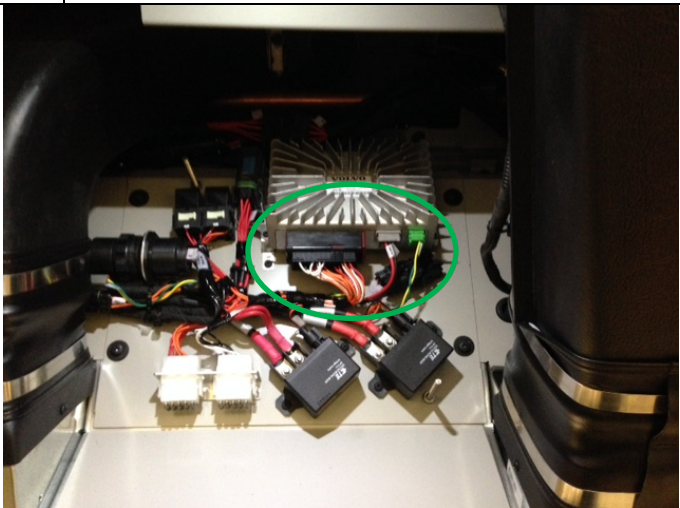
Disconnection prior to welding			
17	Behind the right console panel Disconnect all the connectors from the I/O-B modules	18	In the condensor compartment Disconnect the ACM connector (A137A)
			
19	In the evaporator compartment Disconnect all the connectors from I/O-B module	20	The vehicle is now ready for welding
		<p style="font-size: 1.2em;">Make sure that the welding ground is as close as possible of the welding point and the contact is perfect.</p>	
21	When the welding is done Reconnect all the modules	<p style="font-size: 1.2em;">Make sure that all the connectors are perfectly connected with the locking tabs well engaged.</p>	

Disconnection prior to welding





10	Switch ignition OFF Switch Master cut-out OFF	11	Open the 3 circuit breakers
			
12	Disconnect both electronic grounds Use insulating tape to make sure that cables don't touch each other or the vehicle body	13	Disconnect C397
			

Disconnection prior to welding

14	Disconnect all the connectors from the I/O-A et I/O-B modules in rear junction box	15	Disconnect the control connector from the battery equalizer (Optional)
			
16	In the engine compartment Disconnect C355		
17	In the front junction box Disconnect all the connectors from : <ul style="list-style-type: none"> - I/O-A modules - I/O-B modules - Vancso Gateway (Optional) - ABS module - VECU - MCM - Volvo link - TPMS - GSECU (IShift) (Optional) 		

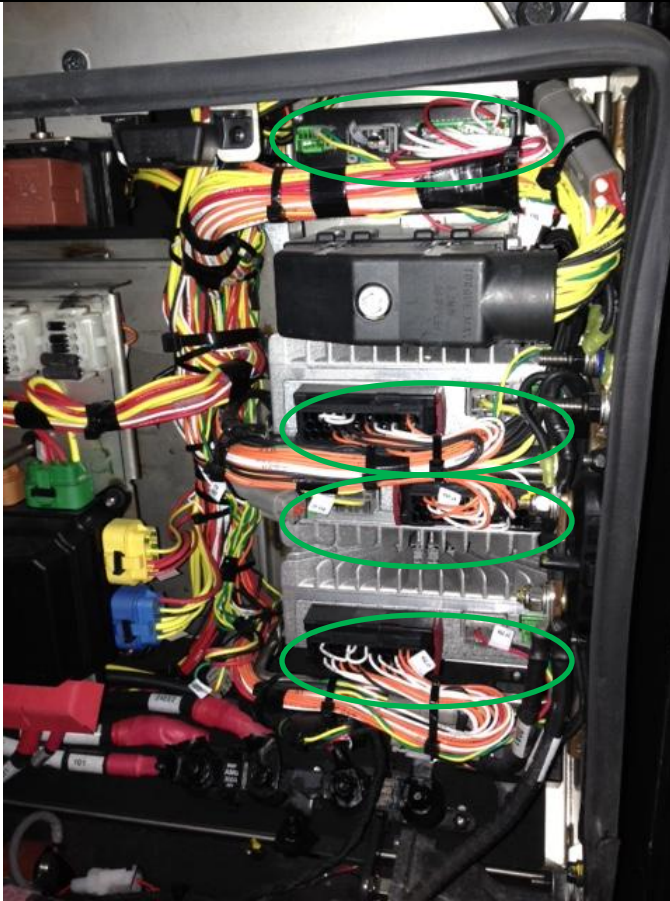
Disconnection prior to welding			
18	Behind the right console panel Disconnect all the connectors from the I/O-B modules	19	In the condensor compartment Disconnect the ACM connector (A137A)
			
20	In the evaporator compartment Disconnect all the connectors from I/O-B module	21	The vehicle is now ready for welding
		<p>Make sure that the welding ground is as close as possible of the welding point and the contact is perfect.</p>	
22	When the welding is done Reconnect all the modules	<p>Make sure that all the connectors are perfectly connected with the locking tabs well engaged.</p>	

Disconnection prior to welding

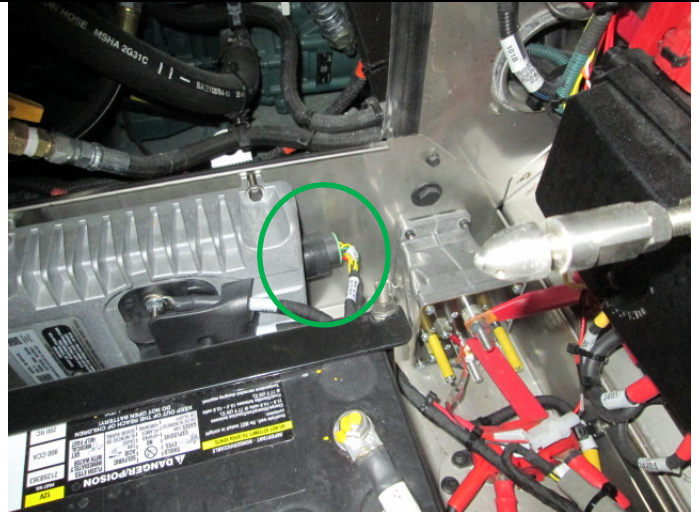
10	Switch ignition OFF Switch Master cut-out OFF	11	Open the 3 circuit breakers
			
12	Disconnect both electronic grounds Use insulating tape to make sure that cables don't touch each other or the vehicle body	13	Disconnect C397 and C355
			

Disconnection prior to welding

14 Disconnect all the connectors from the I/O-A et I/O-B modules in rear junction box

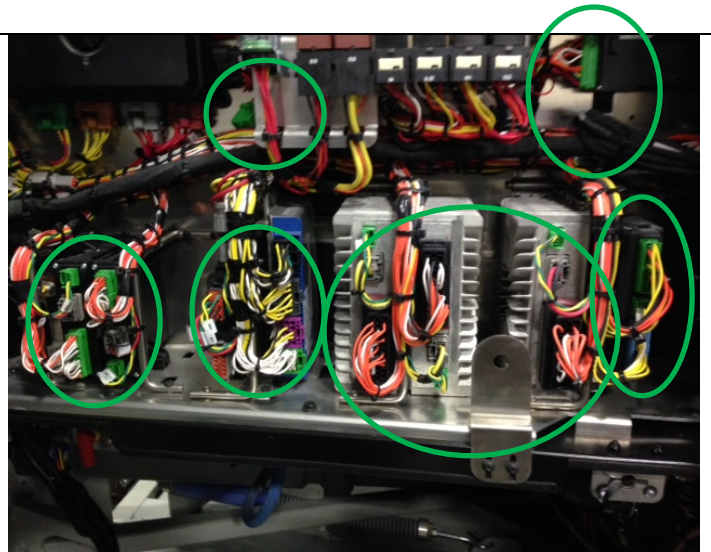


15 Disconnect the control connector from the battery equalizer (Optional)

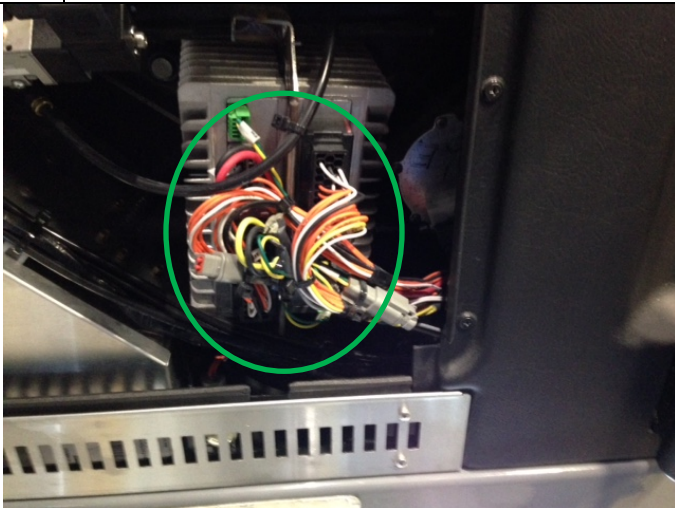
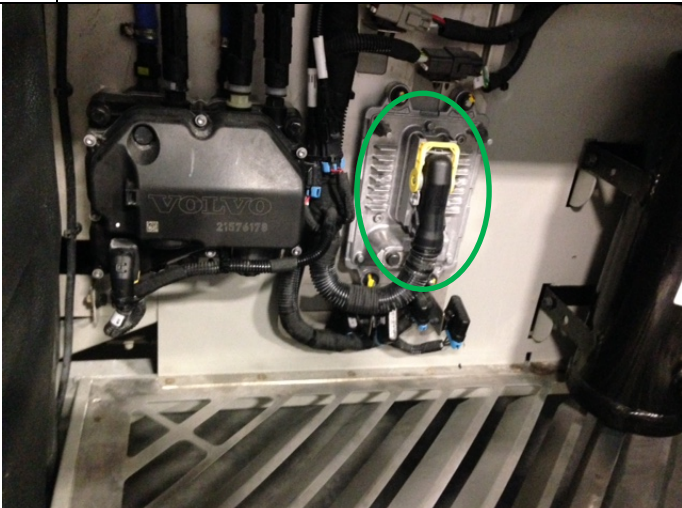
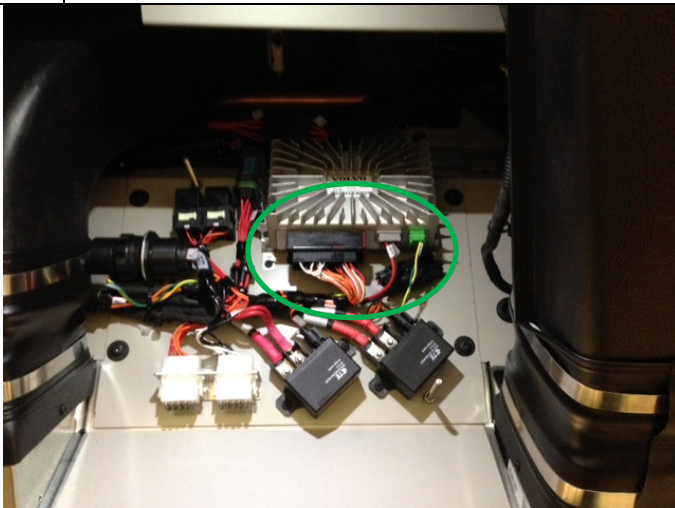


16 In the front junction box
Disconnect all the connectors from :

- I/O-A modules
- I/O-B modules
- Vancso Gateway (Optional)
- ABS module
- VECU
- MCM
- Volvo link
- TPMS
- GSECU (IShift) (Optional)



Disconnection prior to welding

17	<p>Behind the right console panel Disconnect all the connectors from the I/O-B modules</p>	18	<p>In the condensor compartment Disconnect the ACM connector (A137A)</p>
			
19	<p>In the evaporator compartment Disconnect all the connectors from I/O-B module</p>	20	<p>The vehicle is now ready for welding</p>
		<p>Make sure that the welding ground is as close as possible of the welding point and the contact is perfect.</p>	
21	<p>When the welding is done Reconnect all the modules</p>	<p>Make sure that all the connectors are perfectly connected with the locking tabs well engaged.</p>	