

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001




**WARRANTY
BULLETIN**

Wb11-18

DATE : MAY 2011	SECTION :	18 - Body
EXPIRATION: MAY 2013		
SUBJECT : WELDING BEAD VERIFICATION – ENGINE COMPARTMENT DOOR GAS SPRING SUPPORT		

APPLICATION


Model affected	Vehicle affected
H3-45 Coach Model Year : 2010 - 2011	 <p>The following vehicles:</p> <p>2PCH33498AC71 <u>1573</u> 2PCH33499BC71 <u>1695</u> 2PCH33496AC71 <u>1605</u> 2PCH33495BC71 <u>1726</u> 2PCH33495AC71 <u>1627</u> 2PCH33497BC71 <u>1727</u> 2PCH33496AC71 <u>1636</u></p>

DESCRIPTION

On the vehicles affected by this bulletin, a verification of the engine compartment door gas spring support is necessary. Weld beads might be missing.

If applicable, it will be necessary to add the missing weld beads in order to strengthen the support.

PROCEDURE

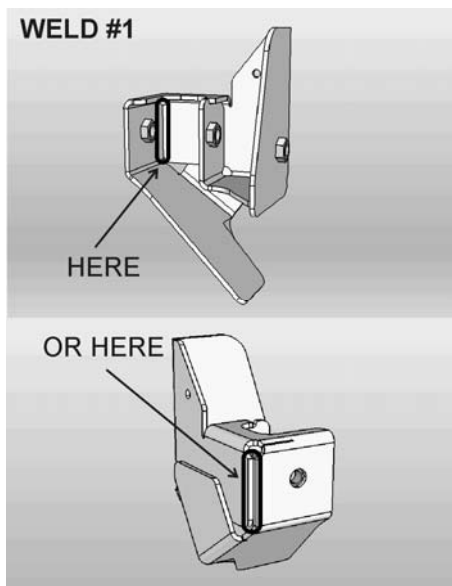
 <p>DANGER</p>
<p>Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.</p>

PART 1 - VERIFICATION

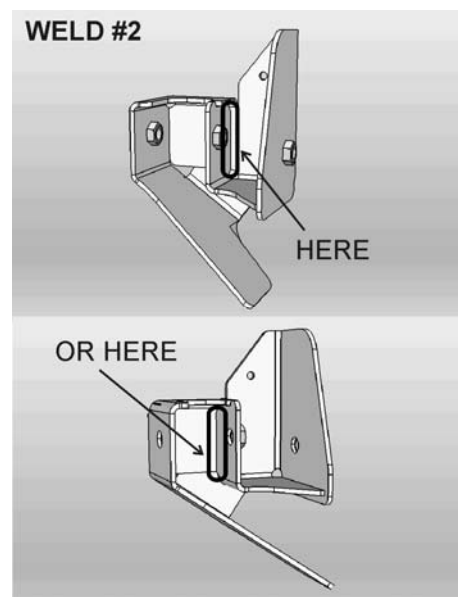
1. Open the engine compartment door. Locate the gas spring support.



2. Look for welding #1. Welding #1 must exist either on the front side or rear side of the support.



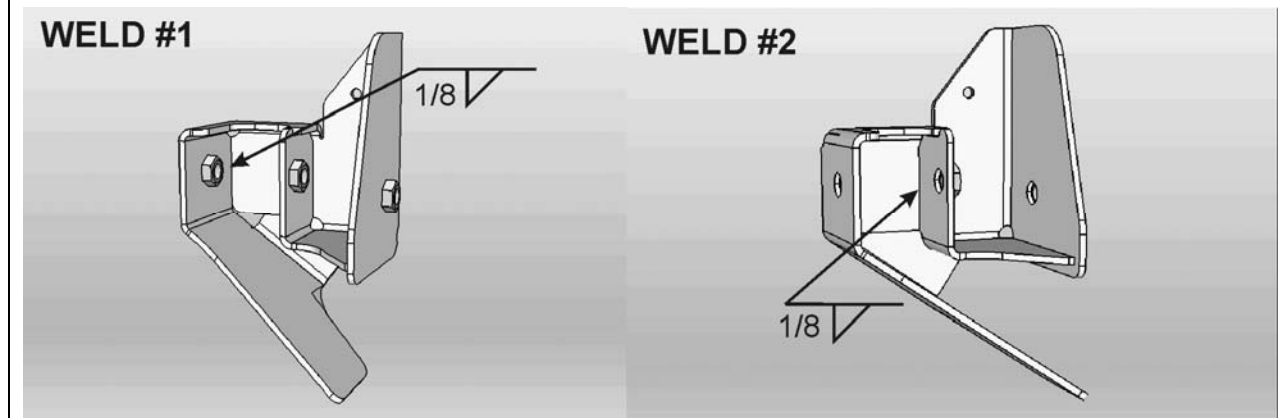
3. Look for welding #2. Welding #2 must exist either on the front side or rear side of the support.



4. If weld #1 or #2 is missing, then proceed to the corrective measure of part 2.

PART 2 – ELECTRONIC MODULES DISCONNECTION AND WELDING

1. Before undertaking welding on the support, it is absolutely necessary to disconnect the electronic modules as they may be damaged. Refer to procedure «MULTIPLEX MODULES DISCONNECTION PROCEDURE PRIOR TO WELDING PR060041».
2. Place the ground clamp as close as possible to the welding area. Add any missing weld bead. Perform a 3mm (1/8") fillet weld.



WARRANTY

This modification is covered by Prevo's normal warranty.

We will reimburse you one quarter of hour (0.25) of labor for the ***inspection*** (no weld bead missing) upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 11-18 **PART 1**".

We will reimburse you one and a half hour (1.5) of labor for the ***inspection and correction*** upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 11-18 **PART 2**".

OTHER

Fail Code	18-05
Defect Code	85
System Condition	B
Causal Part	261310

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MULTIPLEX MODULES DISCONNECTION PROCEDURE PRIOR TO WELDING

PROCEDURE NO: PR060041

**REVISION 01
2010-12-01**

Material: N/A

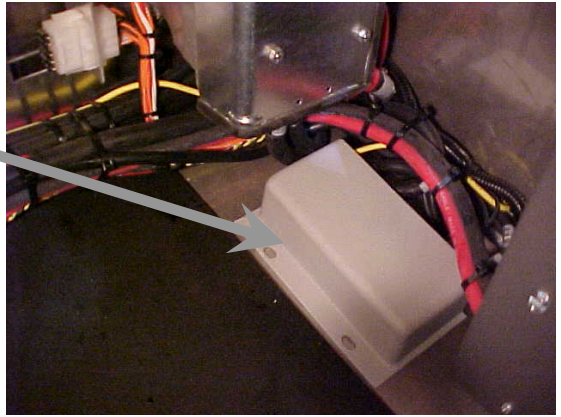
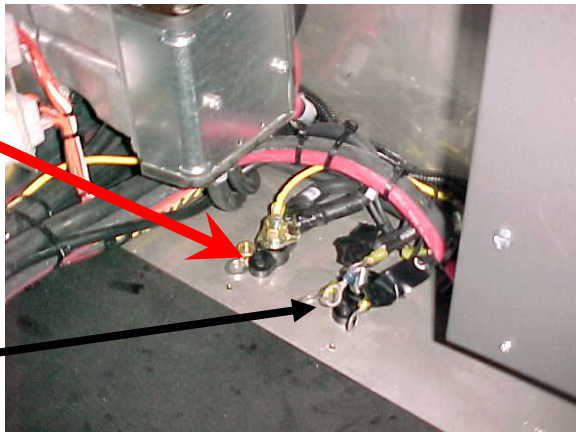
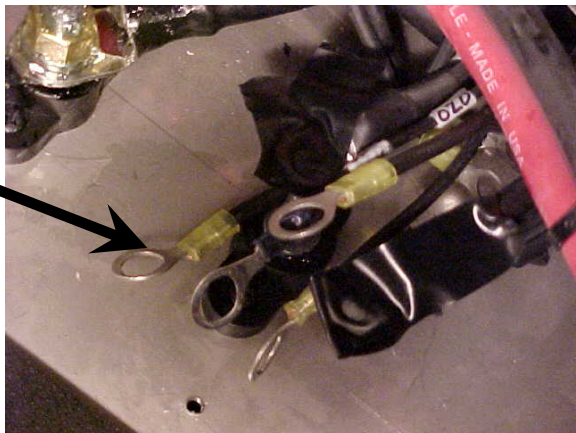
Equipment(s): Phillips-head screwdriver
Ratchet handle
3/8" socket
Electric tape
Long nose pliers

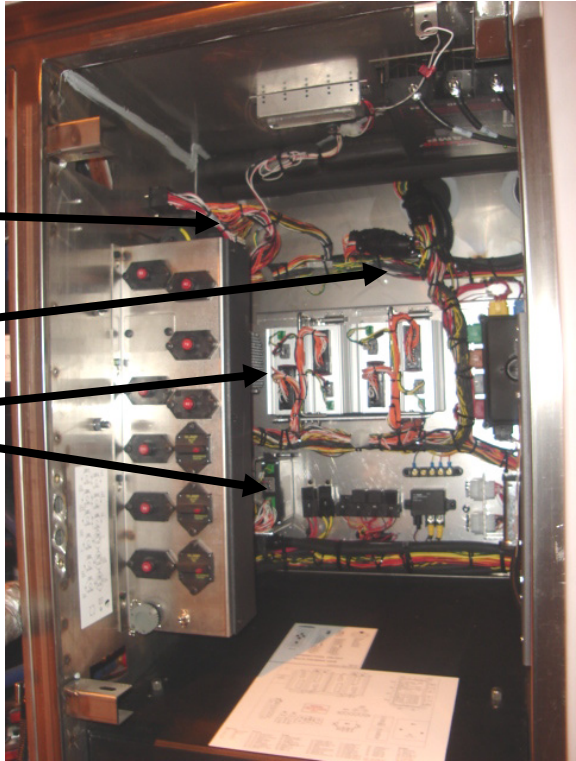
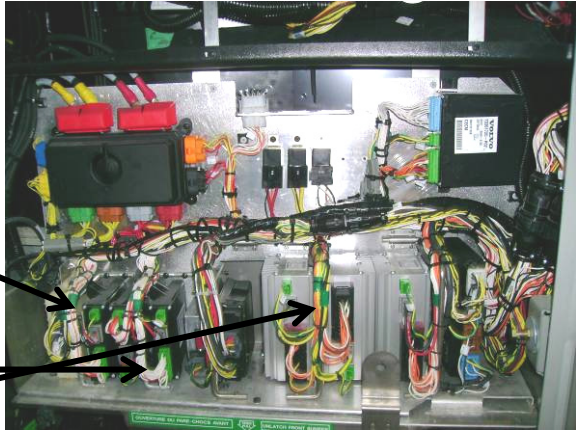
Reference schematics: N/A

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

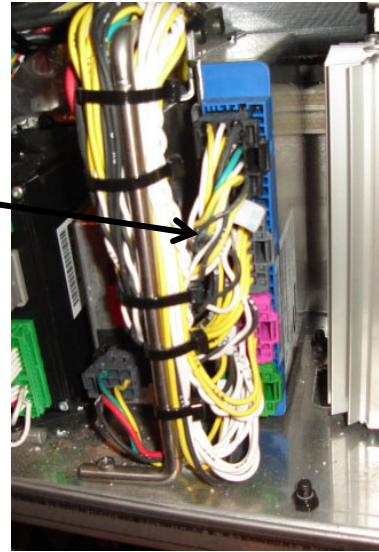
Recommendations: This procedure should be performed by qualified personnel only.

	Effective
Revision 00 : New procedure for cooling 2007 Revision 01 : Modified for EPA 2010	

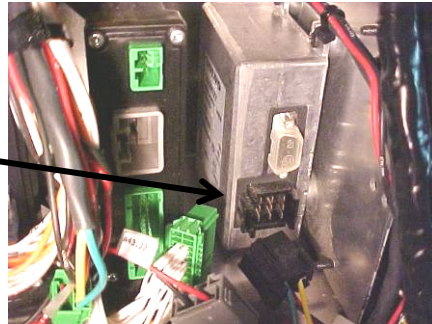
<p>1.10</p>	<p>Location: Main power compartment</p> <p>Remove the protective cover</p>	
	<div style="border: 2px solid red; padding: 5px; text-align: center;"> <p>⚠ WARNING ⚠</p> <p>LIVE WIRE</p> <p>This 12-volt terminal remains energized</p> </div> <p>Disconnect the electronic ground terminals from the stud.</p>	
	<p>Using electric tape, insulate the 2 largest gage wires. Make sure the ring terminals do not touch each others and the vehicle body.</p> <p>Note :</p> <p><i>With disconnection of the electronic ground terminals, disconnecting the engine ECM, transmission TCM and the dashboard electronic components (telltale module, HVAC module, radio, control head ...) is not required.</i></p>	

<p>1.15</p>	<p>Location: Main power compartment</p> <p>Disconnect the electronic modules :</p> <hr/> <p>Disconnect I/O A, I/O B modules</p> <p style="padding-left: 100px;">Disconnect C397</p> <p style="padding-left: 100px;">Disconnect connector C717</p> <p style="padding-left: 100px;">Disconnect 3 connectors from I/O B and I/O A modules.</p>	
<p>1.20 *</p>	<p>Location: Front electrical compartment</p> <p>VIP + COACH: Disconnect the I/O A, I/O B, ABS, master ID, VECU, CECM, BERU, Volvo Link, Gsecu modules.</p> <p>VIP: Disconnect all keyless module connectors.</p> <p>Disconnect 3 connectors from I/O B and I/O A modules</p>	

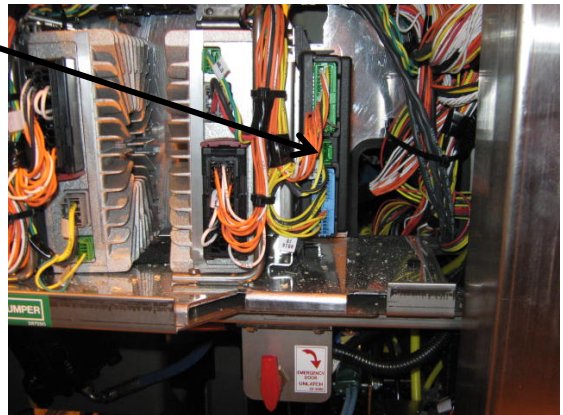
Disconnect 4 connectors from the ABS module



Disconnect connector from master ID



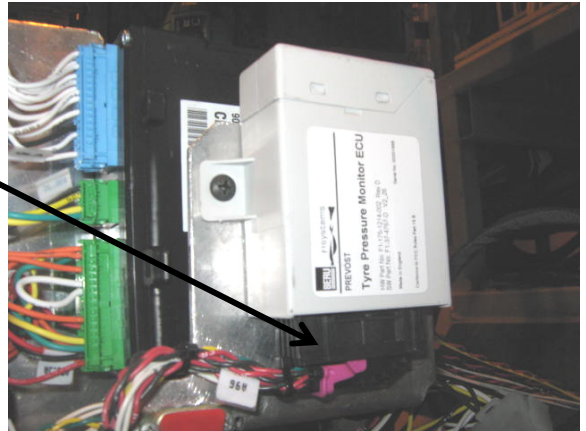
Disconnect 3 connectors from VECU



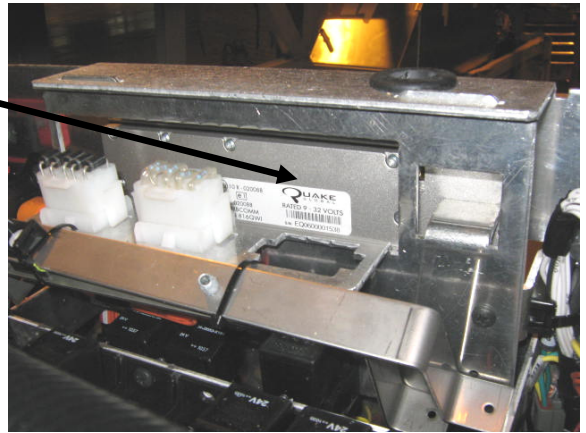
Disconnect 3 connectors from CECM



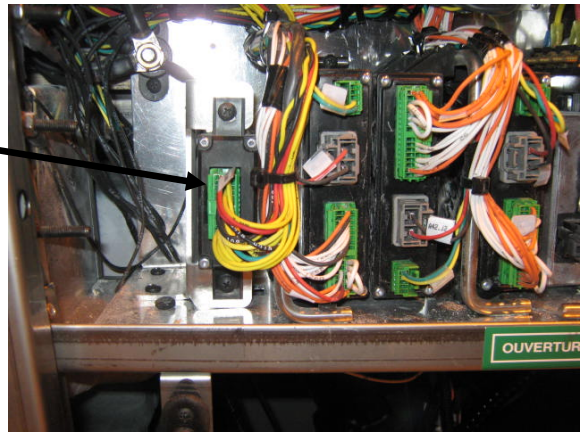
Disconnect connector A 96 from BERU
(OPTION)

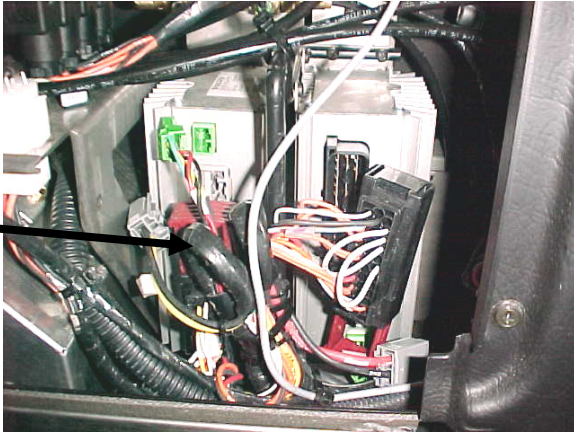
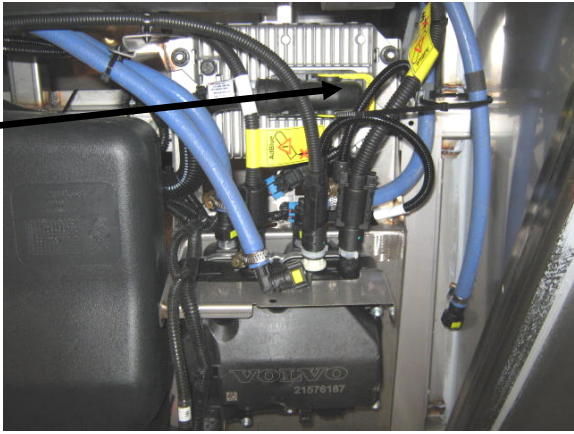



Disconnect connector A 83 under Volvo Link
module

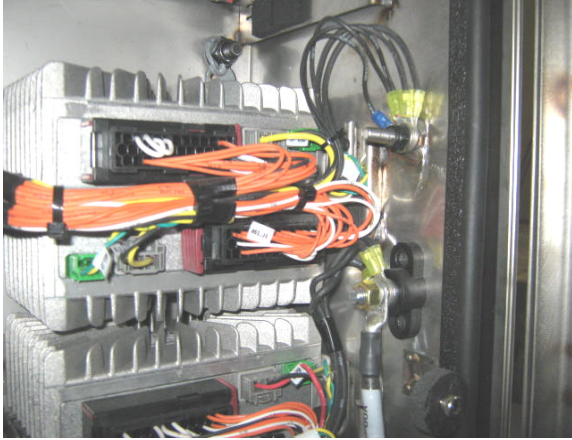
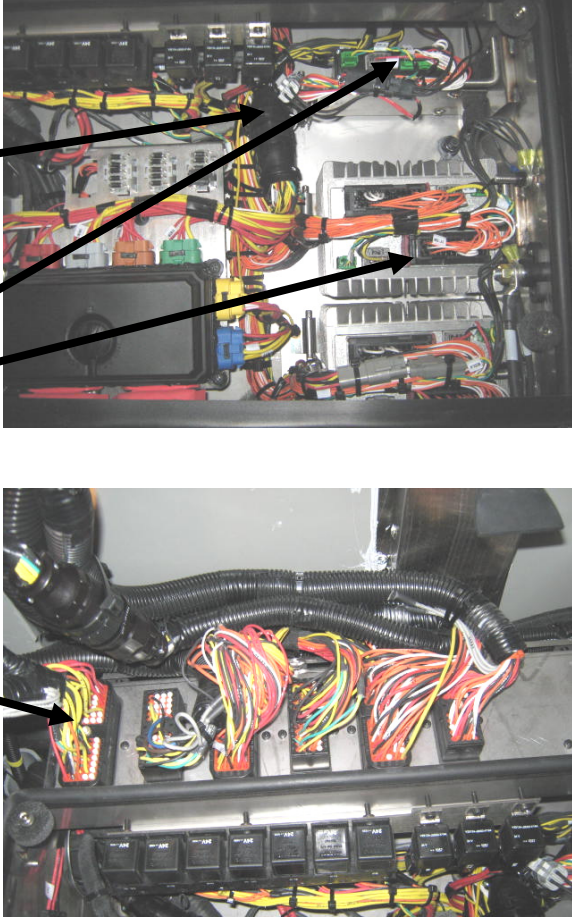



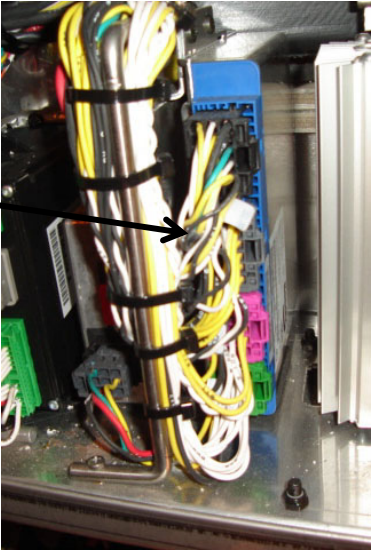
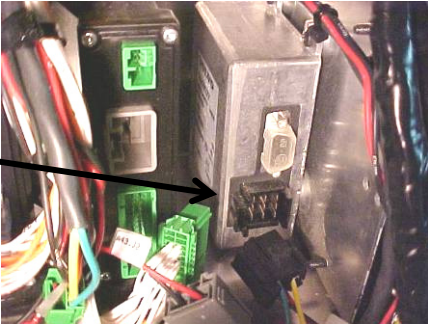
I shift Disconnect connector A 108 from
Gsecu module
(OPTION)



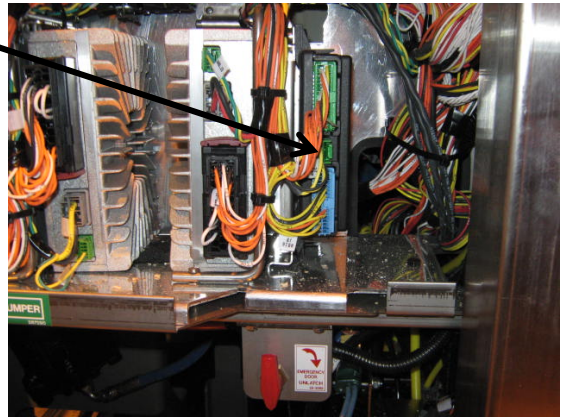
<p>1.25</p>	<p>Location: Pneumatic accessory panel inside right console</p> <p>Remove the access panel on the right console (R.H. side of dashboard)</p> <p>Disconnect both I/O B modules</p>	 <p>A photograph showing the interior of a vehicle's right console. It features a complex arrangement of wires, hoses, and electronic components. Two specific I/O B modules are highlighted with black arrows pointing from the text in the adjacent column.</p>
<p>1.30 *</p>	<p>Location: Condenser Compartment</p> <p>Disconnect connector A 137</p>	 <p>A photograph of a condenser compartment. It shows various blue hoses, a black component, and a yellow label with a warning symbol. A black arrow points from the text 'Disconnect connector A 137' to a specific connector on the equipment.</p>
<p>1.35</p>	<p>Location: Evaporator compartment</p> <p>Remove the protective cover and disconnect I/O B module</p>	 <p>A photograph of an evaporator compartment. It shows a metal enclosure with a protective cover partially removed. Inside, there are various wires and an I/O B module. A black arrow points from the text 'Remove the protective cover and disconnect I/O B module' to the module.</p>

1.40	<p>Kidde Automatic Fire Detection and Suppression System (optional)</p>	
	<p>Disconnect C466 Kidde AFSS module is located on the lateral control panel.</p>	
1.45	<p>When all the previous steps are done, you can do welding on the vehicle.</p>	<p>ENSURE THAT THE WELDING GROUND RETURN CLAMP IS WELL SECURED AND MAKES A GOOD ELECTRICAL CONTACT WITH A LARGE METALLIC AREA OF THE CHASSIS LOCATED NEAR THE WELDING POINT AS MUCH AS POSSIBLE.</p>
1.50	<p>When welding is completed, reconnect all the modules. Make sure that the connectors locking tab are well engaged!</p>	<p>BE CAREFUL TO MAKE THE PROPER CONNECTIONS, IF NOT, SOME SYSTEMS OR COMPONENTS MAY NOT BE USABLE.</p>

<p>2.10*</p>	<p>Location: Rear Electrical Panel</p> <p>Disconnect the electronic ground terminals from this stud.</p> <p>Use electric tape; make sure that cables do not touch each others and the vehicle body.</p> <p>Note :</p> <p><i>With disconnection of the electronic ground terminals, disconnecting the engine ECM, transmission TCM and the dashboard electronic components (telltale module, HVAC module, radio, control head ...) is not required.</i></p>	
<p>2.15*</p>	<p>Location: Rear Electrical Panel</p> <p>Disconnect the electronic modules:</p> <p>Disconnect all I/O A, I/O B modules.</p> <p style="padding-left: 100px;">Disconnect C717</p> <p>Disconnect 3 connectors from each I/O A module</p> <p>Disconnect 3 connectors from each I/O B module</p> <p style="padding-left: 100px;">Disconnect C397</p>	

<p>2.20 *</p>	<p>Location: Front Electrical Compartment</p> <p>VIP + BUS: Disconnect the I/O A, I/O B, ABS, master ID, VECU, CECM, BERU, Volvo Link, Gsecu modules.</p> <p>VIP : Disconnect all keyless module connectors</p> <p>Disconnect 3 connectors from I/O B and I/O A modules</p>	
	<p>Disconnect 4 connectors from the ABS module</p>	
	<p>Disconnect connector from master ID</p>	

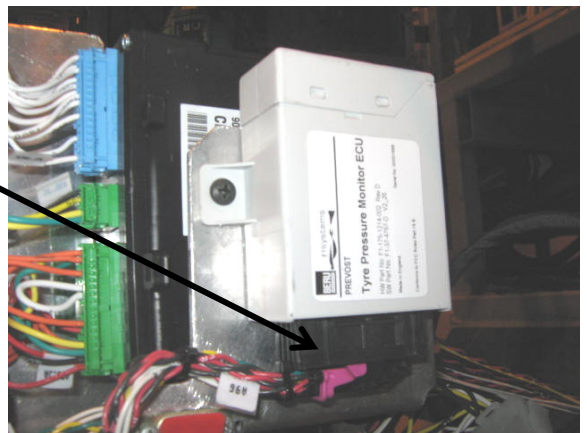
Disconnect 3 connectors from VECU



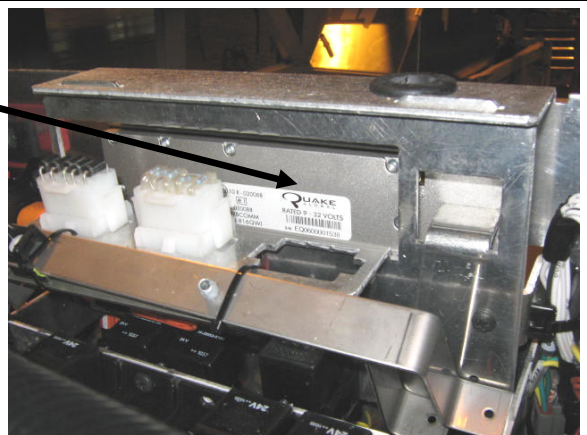
Disconnect 3 connectors from CECM

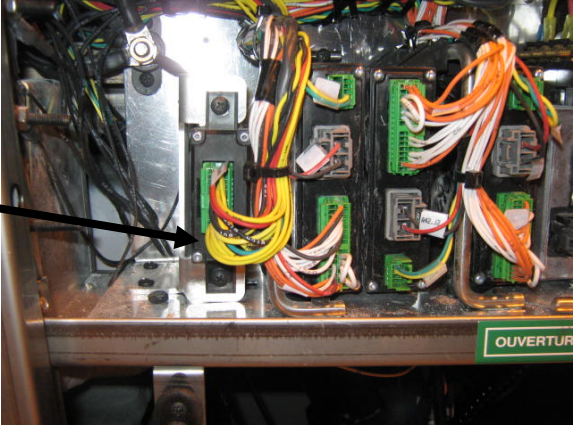
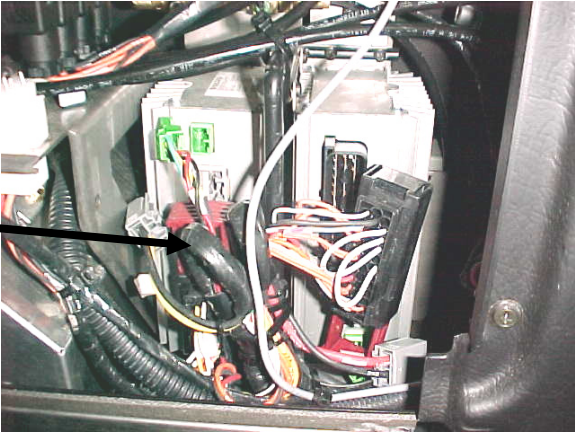
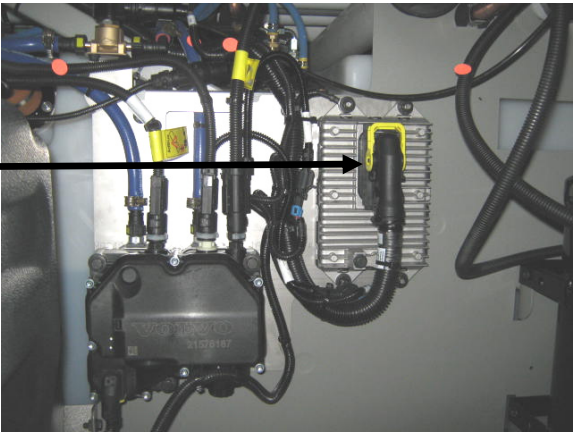


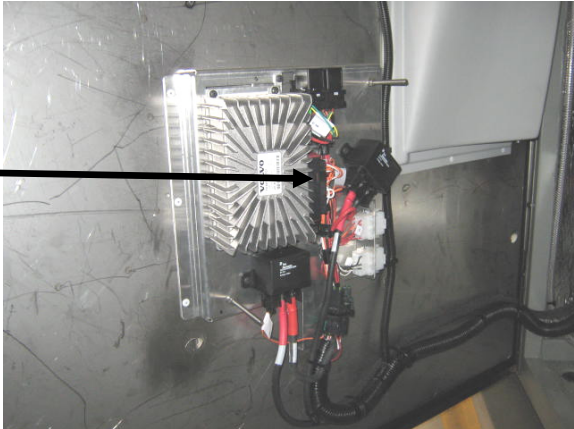
Disconnect connector A 96 from BERU
(option)



Disconnect connector A 83 under Volvo Link module



	<p>Location: Front Electrical Compartment</p> <p>I shift Disconnect connector A 108 from Gsecu module (OPTION)</p>	 A photograph of the front electrical compartment showing various electronic modules and a dense array of multi-colored wires. A black arrow points from the text 'connector A 108' to a specific connector on a module. A green label with the word 'OUVERTURE' is visible at the bottom right of the compartment.
<p>2.30</p>	<p>Location: Pneumatic accessory panel inside right console</p> <p>Remove the access panel on the right console (R.H. side of dashboard)</p> <p>Disconnect both I/O B modules</p>	 A photograph showing the interior of a console with a pneumatic accessory panel. The panel is white and has several connectors and hoses attached. A black arrow points from the text 'Disconnect both I/O B modules' to two specific connectors on the panel.
<p>2.40</p>	<p>Location: Condenser Compartment</p> <p>Disconnect connector A 137</p>	 A photograph of a condenser compartment. It features a large black condenser unit with various hoses and electrical connectors. A black arrow points from the text 'connector A 137' to a specific connector on the condenser unit.

<p>2.50</p>	<p>Location: Evaporator Compartment</p> <p>Disconnect A 54 module located inside the evaporator compartment, on the door.</p>	
<p>2.60</p>	<p>When all the previous steps are done, you can do welding on the vehicle.</p>	<p>ENSURE THAT THE WELDING GROUND RETURN CLAMP IS WELL SECURED AND MAKES A GOOD ELECTRICAL CONTACT WITH A LARGE METALLIC AREA OF THE CHASSIS LOCATED NEAR THE WELDING POINT AS MUCH AS POSSIBLE.</p>
<p>2.70</p>	<p>When welding is completed, reconnect all the modules.</p> <p>Make sure that the connectors locking tab are well engaged!</p>	<p>BE CAREFUL TO MAKE THE PROPER CONNECTIONS, IF NOT, SOME SYSTEMS OR COMPONENTS MAY NOT BE USABLE.</p>