




PREVOST

**SAFETY
RECALL**

SR14-16

DATE :	DECEMBER 2014	SECTION :	23 - ACCESSORIES
SUBJECT:	AUTOMATIC FIRE SUPPRESSION SYSTEM (AFSS) EXTINGUISHER PRESSURE TANK RELOCATION		

APPLICATION

NOTICE TO SERVICE CENTERS <i>Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of PrevoSt website.</i>	
Model	VIN
XL2 Converted Coach Shells Model Year : 2011 - 2012	 2PCYS3495 <u>BC729971</u> , 2PCY33498 <u>BC735003</u> , 2PCYS3493 <u>BC735011</u> , 2PCY33498 <u>BC735017</u> , 2PCYS3496 <u>BC735018</u> , 2PCYS3491 <u>BC735024</u> , 2PCYS3494 <u>CC735133</u> , 2PCY33491 <u>CC735135</u> , 2PCY33493 <u>CC735136</u> , 2PCY33497 <u>CC735138</u> , 2PCY33499 <u>CC735139</u> , 2PCYS3495 <u>CC735142</u> , 2PCYS3497 <u>CC735143</u> , 2PCYS3498 <u>CC735233</u> , 2PCYS349X <u>CC735234</u> , 2PCYS3491 <u>CC735235</u> , 2PCYS3495 <u>CC735237</u> , 2PCYS3497 <u>CC735238</u> , 2PCYS3499 <u>CC735239</u> , 2PCYS3495 <u>CC735240</u> , 2PCYS3494 <u>CC735262</u> , 2PCYS3493 <u>CC735267</u> ,
X3-45 VIP Converted Coach Shells Model Year : 2012	2PCBS3499 <u>CC735070</u> , 2PCBS3492 <u>CC735248</u> , 2PCBS3499 <u>CC735263</u> , 2PCBS3492 <u>CC735265</u>
The owners of the vehicles affected by this recall will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.	

DESCRIPTION

On vehicles affected by this recall due to engine compartment temperatures, the AFSS pressure relief tank may discharge its fire extinguishing agent.

If the AFSS tank discharges and there is a vehicle fire, the Automatic Fire Suppression System will be unavailable to assist in extinguishing the vehicle fire, increasing the risk of injury.

Please contact your Prevest Service Center to schedule an appointment at your earliest convenience to have the pressure relief tank relocated free of charge. Please mention Safety Recall SR14-16. A complete list of Prevest service points is available on <https://www.prevestcar.com/service-network>

MATERIAL

Order kit **SR14-16** which include the following parts:

Part No.	Description	Qty
406983	Hose Assy 4250mm	1
175249	Pressure Tank Support	1
216108	Clamp Support, Hose assy	1
952635	Hose Clamp	1
5001744	Hex Cap Screw N500 M6-1.0x16 G8.8	1
502853	Washer LO SPT N500 6.1x11.8x1.6	1
069161	Harness, Tank Relocation WE	1

Other parts that may be required:

Part No.	Description	Qty
509915	Pressure Tank T-Bolt Retaining Strap	2
901125	Extinguisher 25 pounds (as req.)	1
504637	Cable tie	20
680497	Primer, Grey	1
684652	Spray paint, black	1

NOTE

Material can be obtained through regular channels.

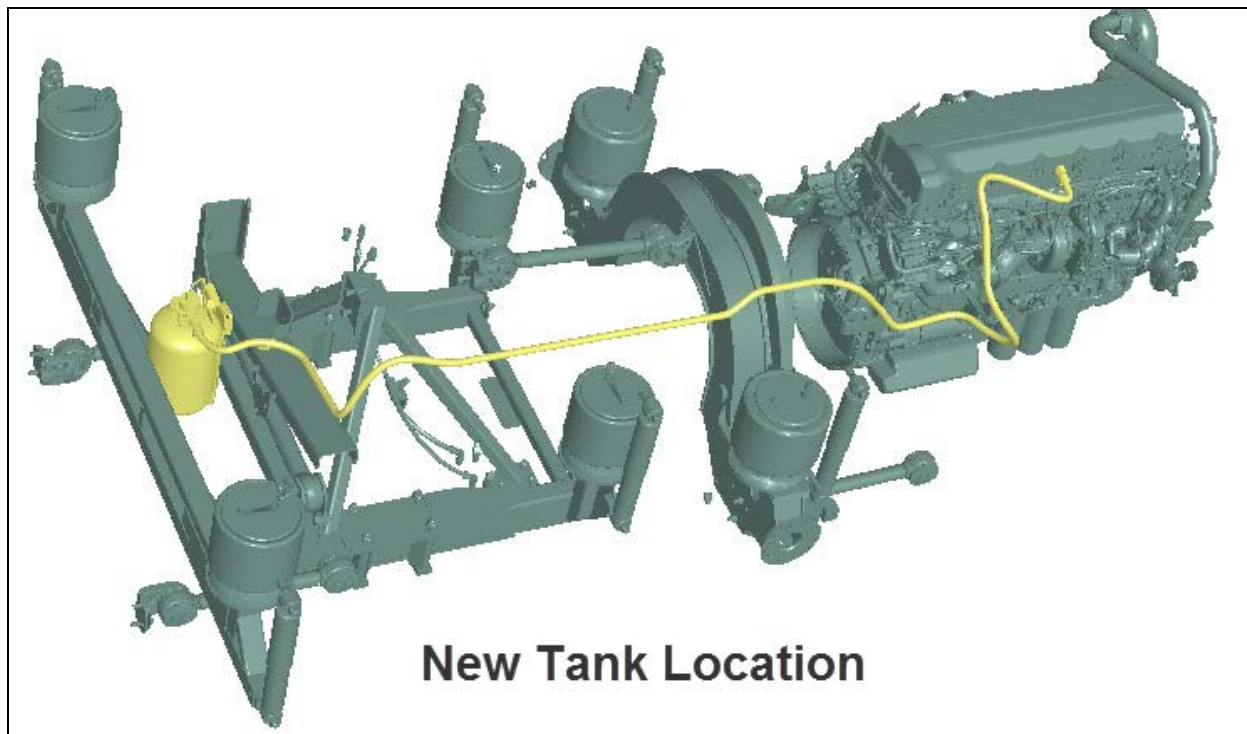
PROCEDURE



DANGER

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

Procedure requires removing the AFSS extinguisher tank from the engine compartment and relocating it under the vehicle between the rear drive wheels as shown in the picture below.



CAUTION



Welding is required to fix the new tank support to the vehicle chassis. Before attempting to do any kind of electric arc welding to the vehicle chassis, carefully follow the Multiplex Module Disconnection Procedure included in section 00a of the vehicle Maintenance Manual.

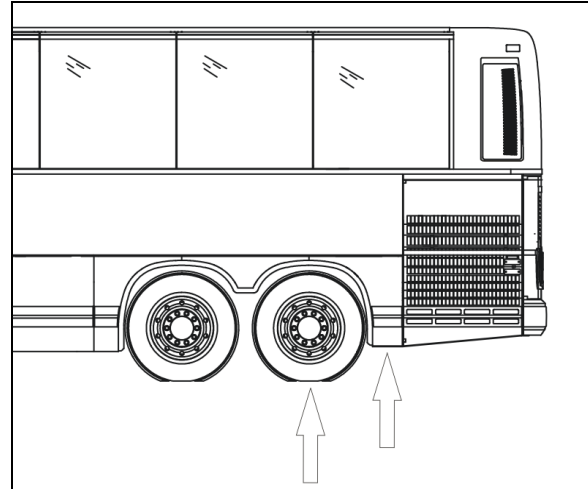
Failure to comply with the disconnection procedure may result in permanent damage to the vehicle electronic equipment.

Complete procedure can also be found under the following link:

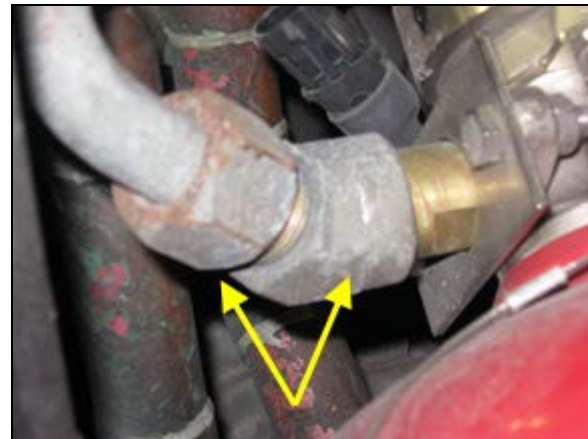
[Multiplex Modules Disconnection Procedure Prior to Welding](#)

*Take note that speciality converters may have installed on the vehicle aftermarket electronic equipment requiring their own disconnection procedures. **Follow your vehicle converter specification before welding.***

1. Disconnect vehicle Multiplex modules following the Multiplex Modules Disconnection procedure (see link above).
2. To access AFSS extinguisher pressure tank, lift hinged rear fender, remove aft wheel and aft wheel arch liner.



3. At the pressure tank side, disconnect the hose linking the tank to the nozzle distribution piping.



4. Disconnect the pressure tank electrical connector.



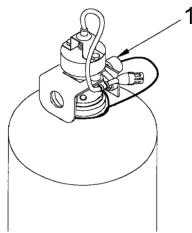
5. Disconnect the two tank retaining straps.



6. Tilt the tank approximately 30deg. And remove the tank from the vehicle.



WARNING



1. *The anti-recoil cap should be installed on the extinguisher valve outlet port at all times except when the extinguisher is connected to the distribution piping.*

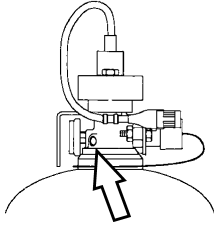
7. Remove the two support retaining screws and remove the support from the vehicle.

NOTE: *The support and straps will not be reused.*





WARNING



Inspect the pressure relief plug.

If the plug is flush, the tank is good.

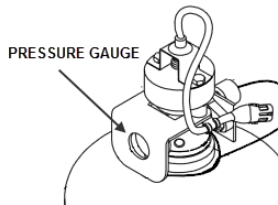
If it is protruding, replace the pressure tank.



FLUSH



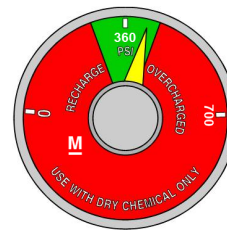
PROTUDING



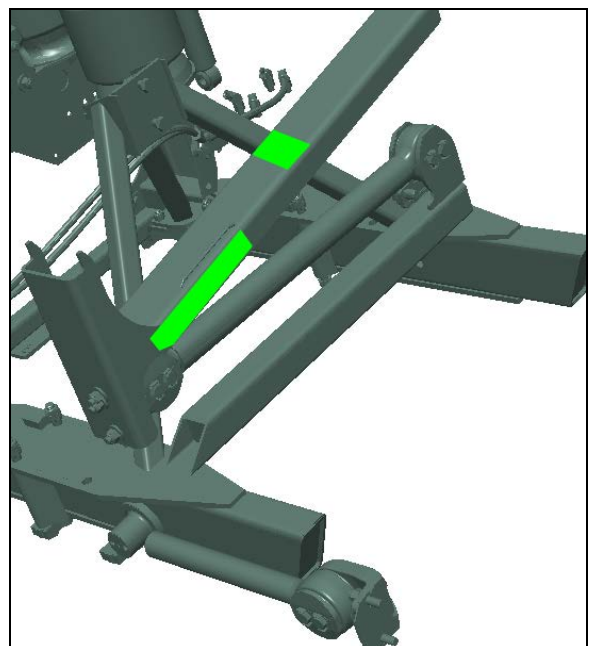
PRESSURE GAUGE

The pressure gauge should be checked to ensure that the needle is located in the green zone.

If the needle is not in the green zone, the tank must be replaced.

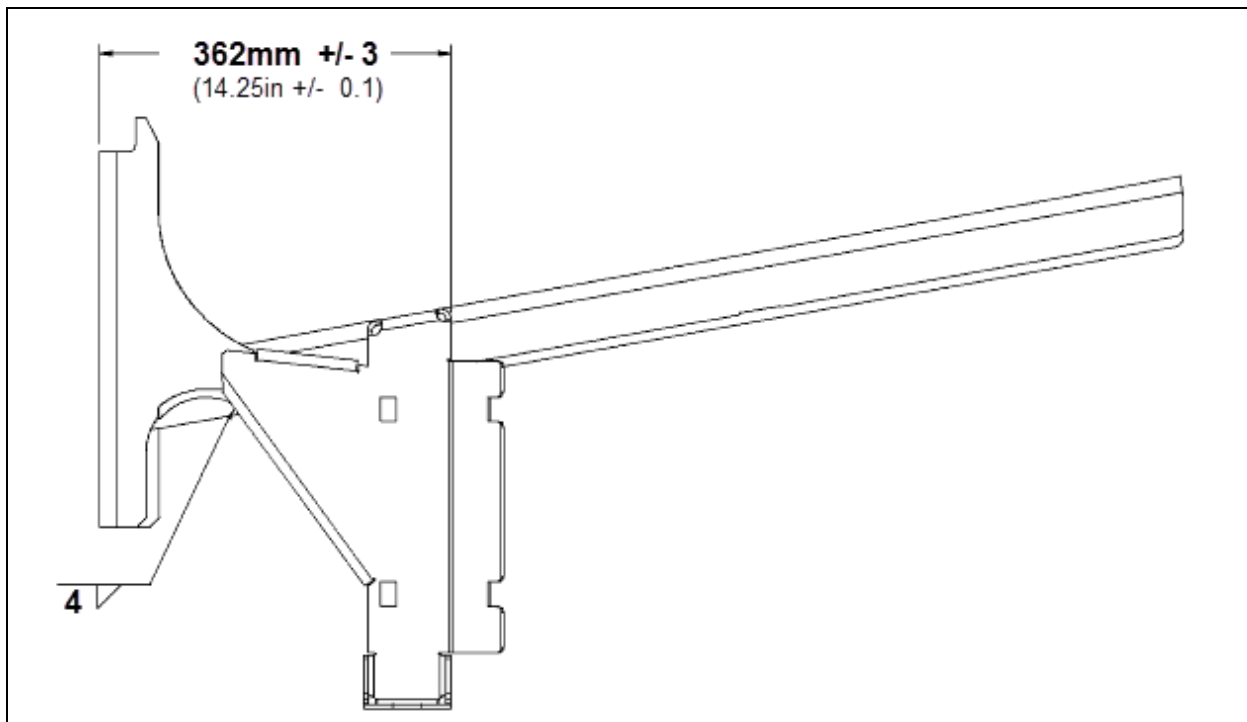


8. Disconnect the hose assembly at the spray nozzle end of the system.
9. Remove and discard the AFSS main *hose* assembly from the vehicle (do not remove or cut the AFSS *wiring harness*).
10. Lift the vehicle to gain access to the undercarriage.
11. From under the vehicle, locate the area where the new support #175249 will be welded to the chassis.
12. In preparation for welding, carefully clean the areas shown in the image to bare metal, use a small rotary sander or other suitable tool as required.

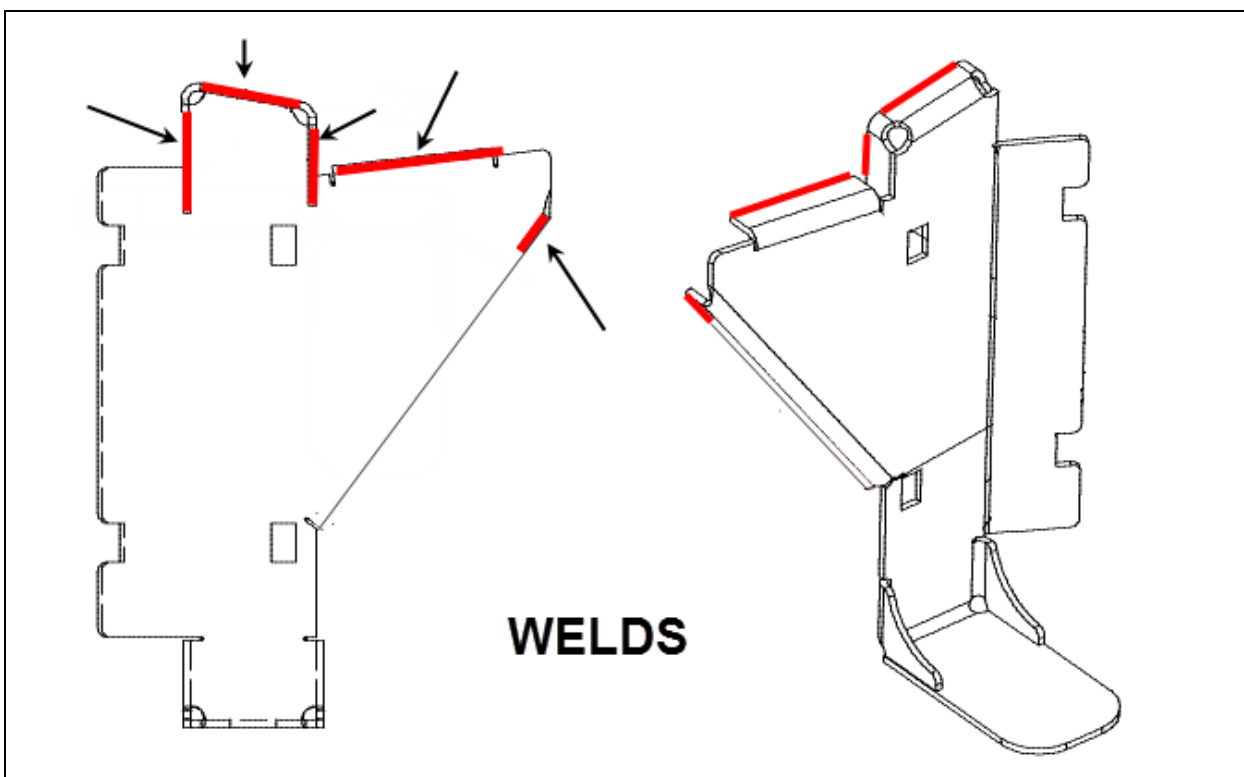


13. Remove all trace of powder coating on the support welding tabs (both sides).

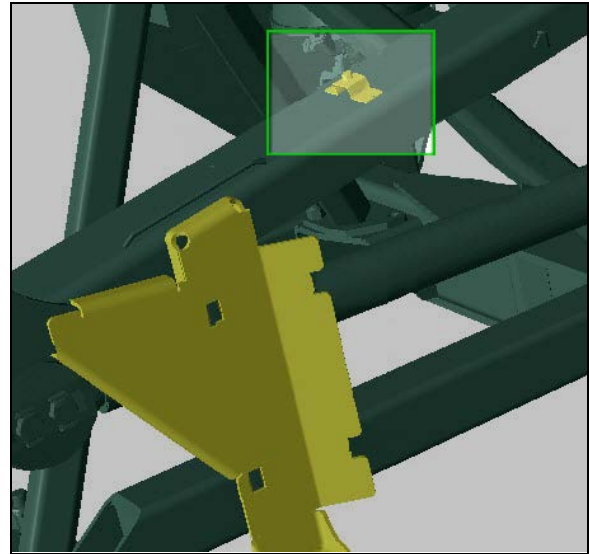
14. Clamp the new support in position prior to welding.



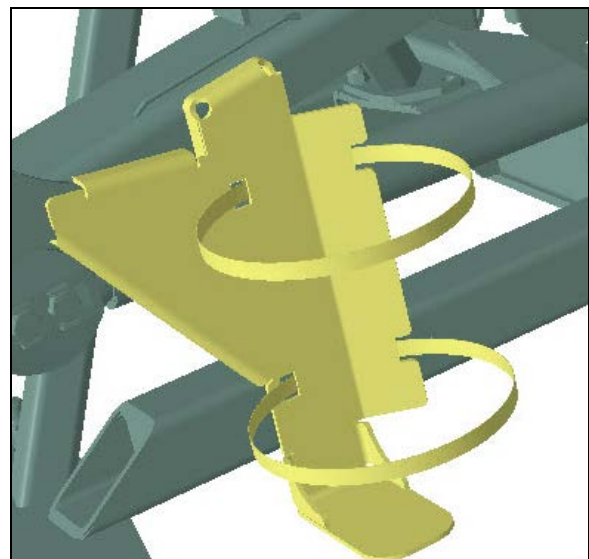
15. Weld the five edges of the support to the vehicle chassis following the instruction on the drawing below.



16. Weld the clamp support #216108 to the vehicle at mid-point on the transversal beam as shown.



17. Let the welds cool down and clean with a wire brush to remove welding residues (flux).
18. Apply a coat of suitable primer (# 680492 or equivalent) on the welded areas.
19. Let the primer dries and apply a coat of black spray paint # 684652 or equivalent (add as many coats as necessary to provide sufficient corrosion protection).
20. Install 2 new tank hold down straps (#509915) on the new support.



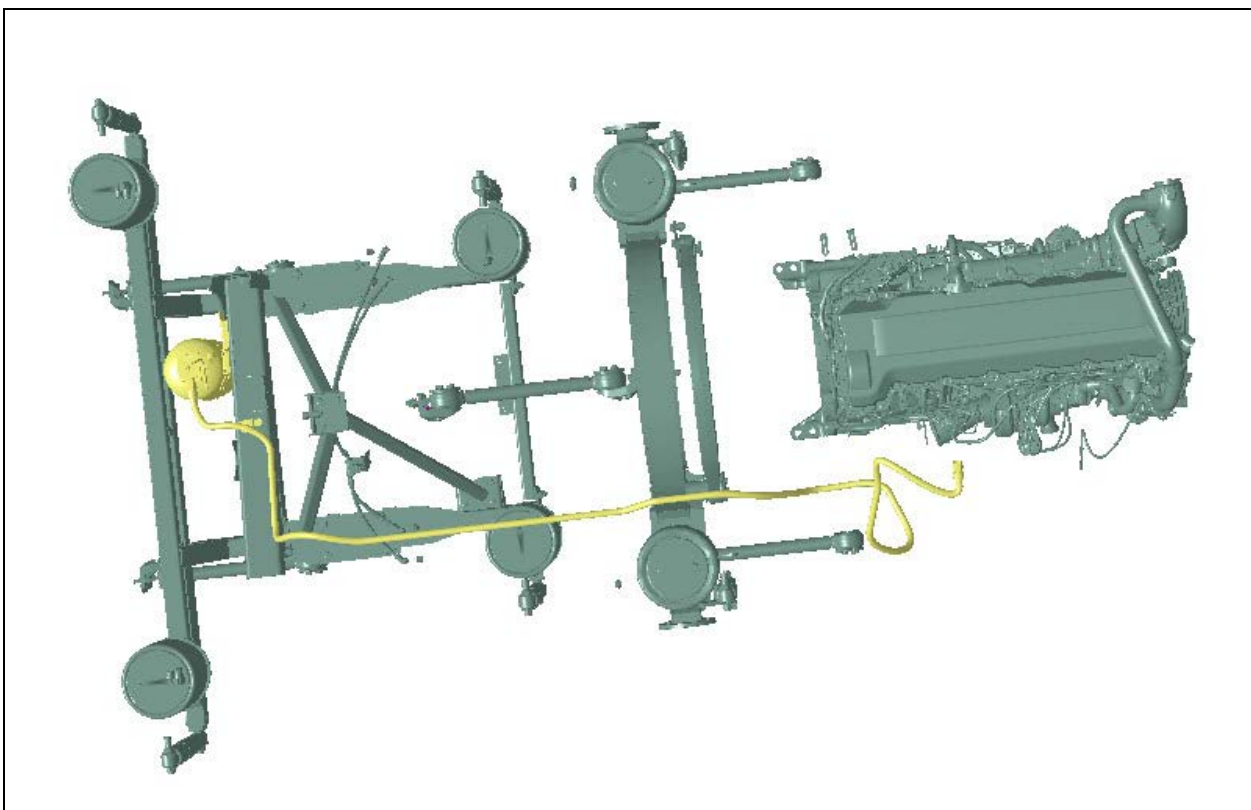
21. Install the extinguisher tank on the support
22. Secure the tank to the support by tightening the hold down straps.

NOTE

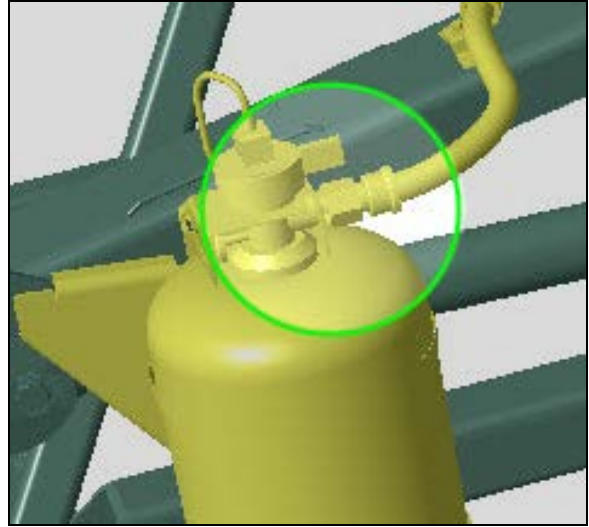
Mount the tank so the pressure gauge can be easily checked during vehicle service.



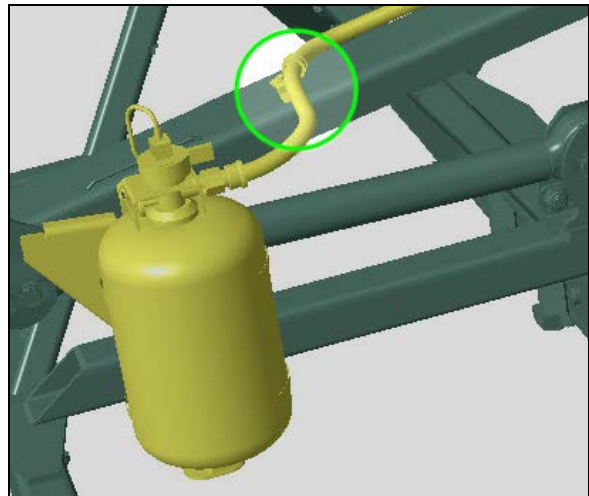
23. Route the new hose # 406983 along the vehicle chassis and attach with cable ties following the drawing below.



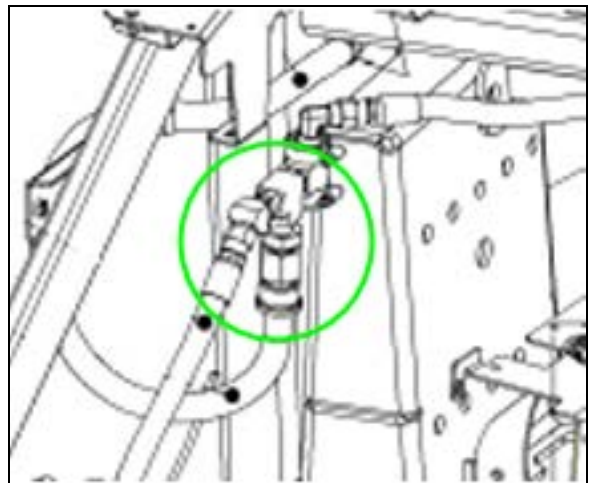
24. Connect the hose to the extinguisher tank.



25. Secure the hose to the clamp support previously welded to the vehicle chassis using the supplied P-clamp # 952635 and hardware.

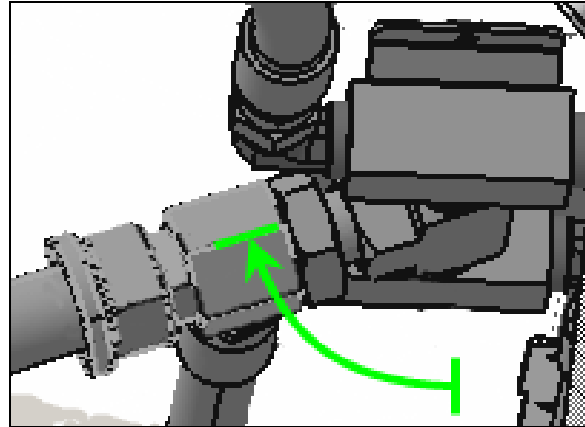


26. Connect hose to the vehicle spray nozzle tree in the engine compartment.



NOTE

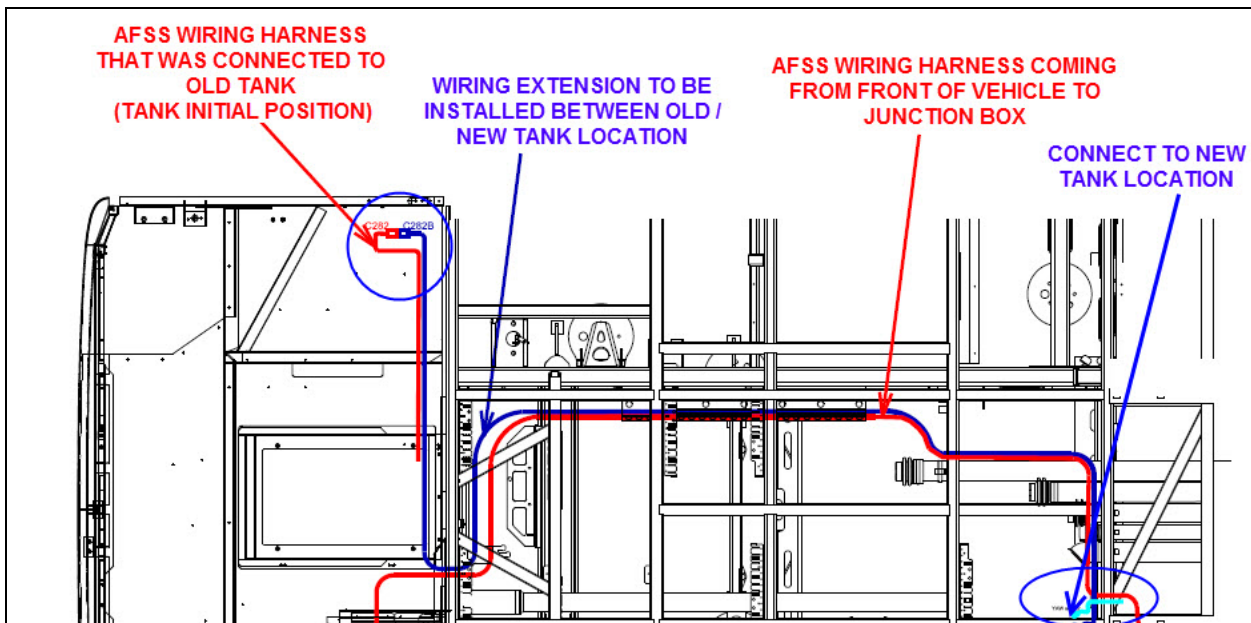
On some vehicles, it may be necessary to change the angle of the fitting to eliminate the loop and allow sufficient hose length to connect to the fitting.



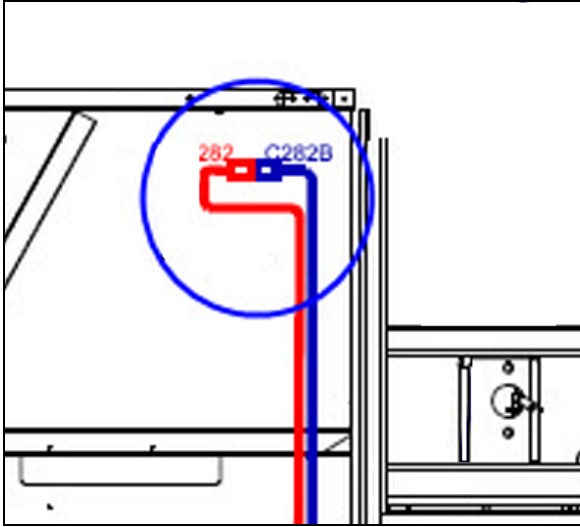
27. Connect the supplied wiring extension harness # 069161 to the extinguisher tank harness.
28. Refer to the image below to route the extension (blue) to the engine compartment following the AFSS wiring harness coming from the front of the vehicle to the rear electrical box (red).

NOTE

Wiring extension harness is supplied with extra length to fit different vehicle configurations. Extension may have to be cut to final length to allow a clean installation on the vehicle. Crimp and solder all connections made to the wiring extension harness.



29. Connect the other end of the extension (blue) to the original harness connection where the AFSS tank was previously installed (red).



30. Reconnect all Multiplex modules and batteries.

31. Set the battery master switch to the ON position and start the vehicle.

32. Finish the installation by verifying that all electronic functions of the vehicle are working properly.

PARTS DISPOSITION

DO NOT RETURN THE REPLACED PARTS. Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

WARRANTY

This modification is covered by Prevo's normal warranty. We will reimburse you the parts and 6 ½ hour(s) (6.5) of labor upon receipt of a completed A.F.A. Please submit claim via our Online Warranty System, available at www.prevo.com (under service \ warranty section). Use Claim Type: "Bulletin/Recall" and select "Safety Recall SR14-16".

OTHER

VBC Bulletin	N/A
Fail Code	23.08
Defect Code	09
Syst.Cond.	R
Causal Part	901125

Access all our Service Bulletins on <http://prevostparts.volvo.com/technicalpublications/en/pub.asp> or scan the QR-Code with your smart phone.

E-mail us at technicalpublications_prev@volvo.com and type "ADD" in the subject to receive our warranty bulletins by e-mail.





**Safety Recall
Certification Sheet
(Ref: SR14-16)**

VEHICLE SERIAL NUMBER:

2	P	C																	
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PERFORMED BY		OWNER/OPERATOR	
We hereby certify that Safety Recall Instructions with regard to Safety Recall SR14-16 have been performed.			
Name: _____		Name: _____	
Addr: _____		Addr: _____	
Phone: _____		Phone: _____	
Fax: _____		Fax: _____	
Signature :	_____	Signature :	_____
Date:	_____	Date:	_____

If the information mentioned above is incorrect or you are not the owner of this vehicle anymore, please fill this section and return to sender.

NEW OWNER: _____

BUSINESS: _____

ADDRESS (including County): _____

TELEPHONE: _____ **FAX:** _____

Please return this completed document with your A.F.A. form