



SAFETY RECALL


SR15-52

DATE :	NOVEMBER 2015	SECTION :	16 - Suspension
SUBJECT:	5 th Bar attachment studs on IFS suspension		

APPLICATION

NOTICE TO SERVICE CENTERS

Verify vehicle eligibility by checking warranty bulletin status with **SAP** or via **ONLINE WARRANTY SYSTEM** available on Service / Warranty tab of PrevoSt website.

Model	VIN	
H3-45 coaches. Model Year: 2016	2PCH33494 <u>GC713085</u> , 2PCH33498 <u>GC713087</u> 2PCH33491 <u>GC713089</u> , 2PCH3349X <u>GC713091</u>	
H3-45 VIP motorhomes Model Year: 2016	2PCVS3494 <u>GC713092</u> , 2PCV33492 <u>GC713105</u>	
X3-45 VIP commercial use Model Year: 2016	2PCCS3496 <u>GC735957</u>	

This Safety Recall does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. 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, the studs used in the independent front suspension (IFS) to attach the suspension 5th bar (torque rod) to the vehicle frame may not meet their ISO specification and may have an ultimate yield strength lower than required by the design specification.

If the studs fail, the wheel may pivot toward the braking force direction, increasing the risk of a vehicle crash.

Consequently, all vehicles involved must have their 5th bar studs and related hardware replaced free of charge.

MATERIAL

Order kit **SR15-52** which include the following parts:

Part No.	Description	Qty
5001867	Stud M16-2.0x80 class 10.9	4
5001150	Washer Flat 17x30x3	4
5001662	Nut Hex NYRT M16-2.0	4
502115	Cotter pin 3/16 x 2 1/2	2

Other parts or special material that may be required:

Part No.	Description	Qty
688910	Loctite, Red # 262	As req.
N/A	Stud Remover tool (for M16 Stud)	1
N/A	Heat source (Gas torch or equivalent)	1

NOTE

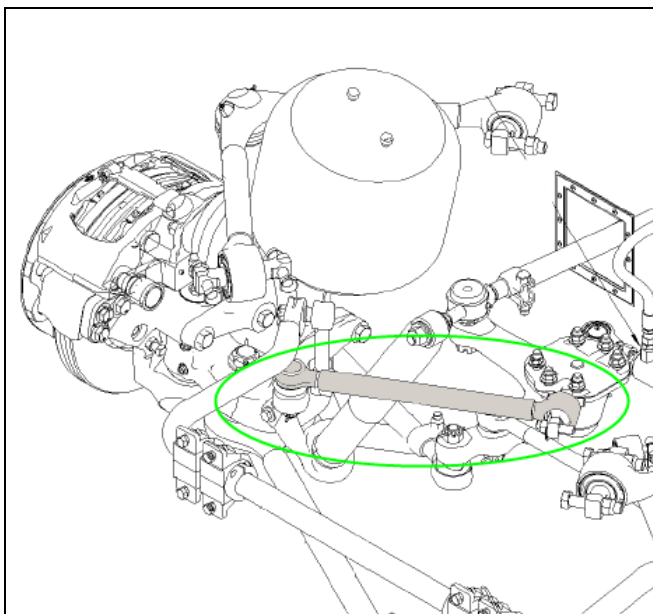
Material can be obtained through regular channels.

PROCEDURE

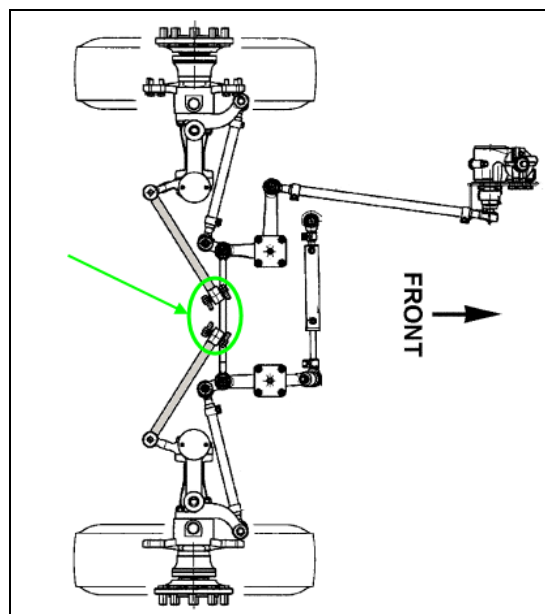


DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.



Overview of the vehicle 5th bar and studs to be removed.

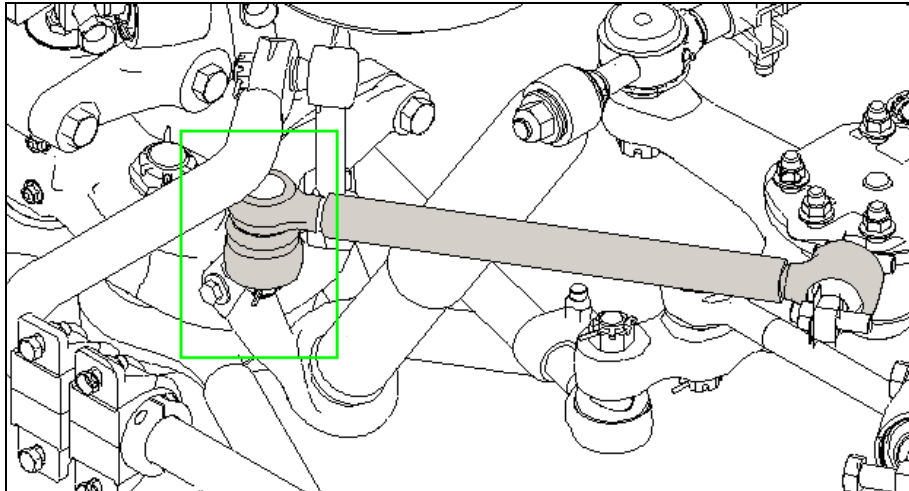


1. Lift the vehicle by its wheels to gain access to the 5th bar.

NOTE

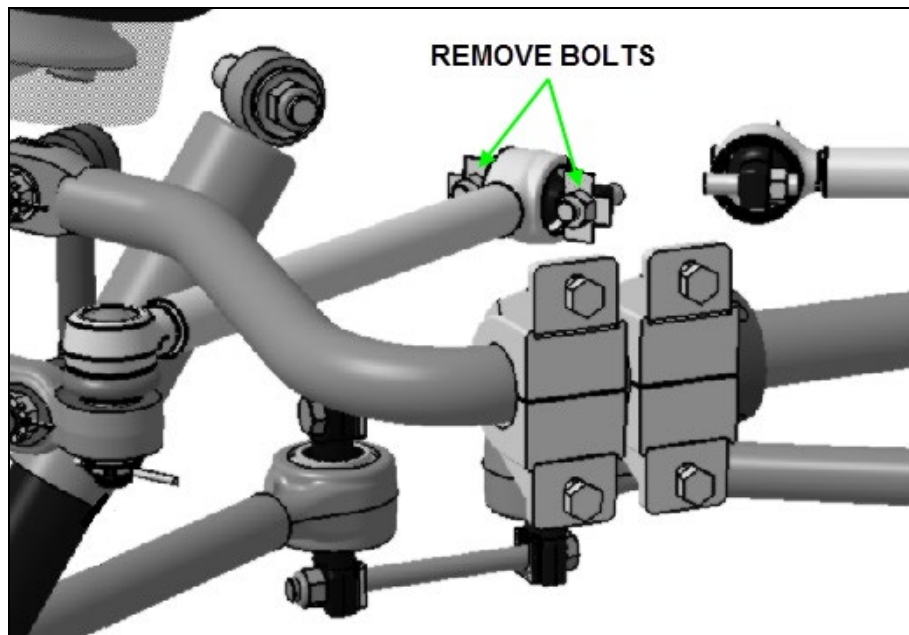
Front air springs (suspension bellows) must be inflated to their maximum capacity to allow bar removal.

2. Disconnect wheel side of the bar (remove the cotter pin and the castle hex nut).



Disconnect bar, wheel side.

3. Disconnect the bar at the vehicle structure side by removing the two M16 hex nuts (discard nuts and tab locks).



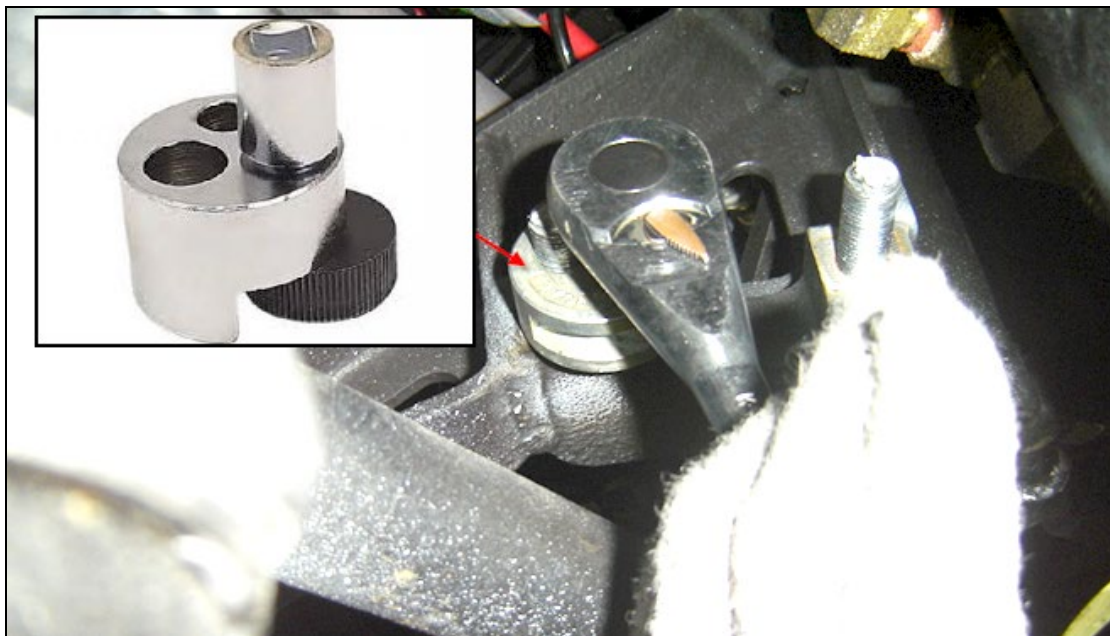
Remove and discard bolts and tab lock.

4. Remove the bar from the vehicle (air springs must be inflated to their max capacity to allow bar removal).

- Using a stud removing tool (for M16 studs), unscrew the two studs mounted on the vehicle structure (Alternately, the double nut technique (double nutting) can be used to remove the studs if a stud removing tool is not available).

NOTE

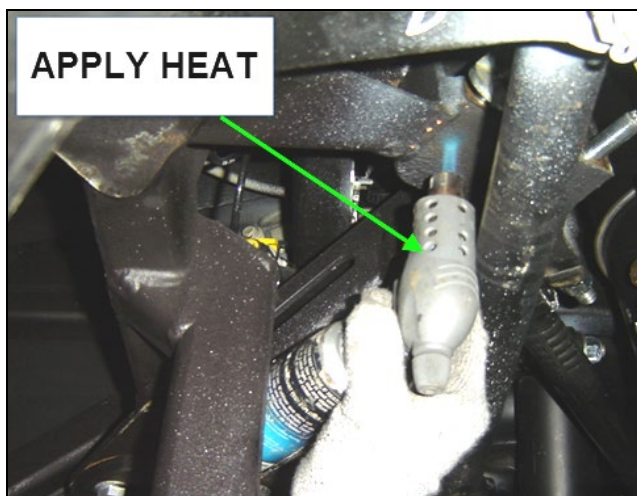
Studs are factory installed using red « high strength » thread locker (Loctite # 262), it may be necessary to heat the structure around the studs to “melt” the thread locker and ease stud removal.



Removing studs with a stud removing tool.



Double nut to remove stud.



Heat applied to structure to ease stud removal.

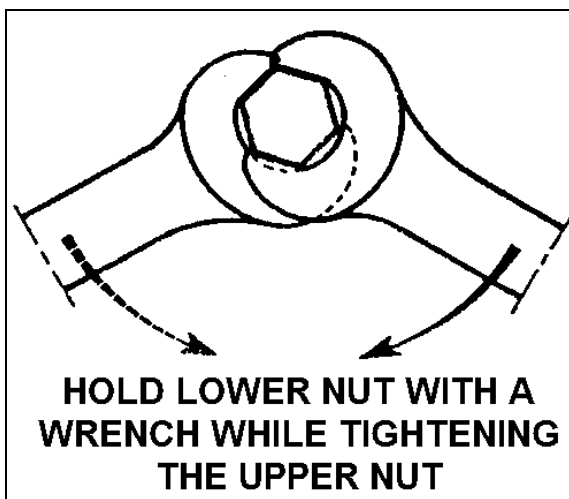
- Clean the stud area on the vehicle structure.

7. Apply high strength thread locker (Loctite 262 or equivalent) to the short threaded section of the new studs.
8. Screw (hand tight) the studs in the vehicle structure.

APPLY HIGH STRENGTH TREAD LOCKER

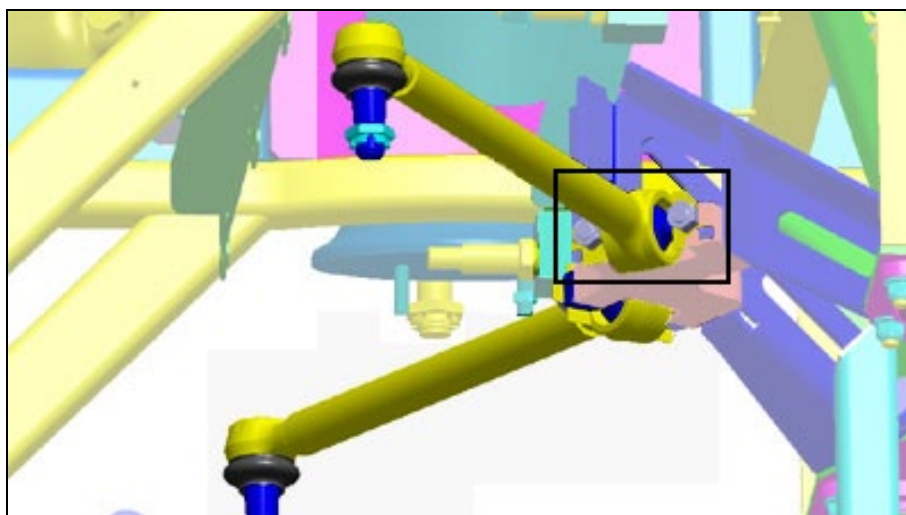


9. Using the double nut technique (double nutting), torque the new studs to 100lb-ft.



Double nutting the stud to tighten : 100lb-ft (finish with torque wrench).

10. Wipe any thread locker excess.
11. Reinstall the bar at the structure end of the vehicle, use supplied nuts and flat washers (do not reuse tab locks with supplied nylon lock nuts). Torque to 148lb-ft.

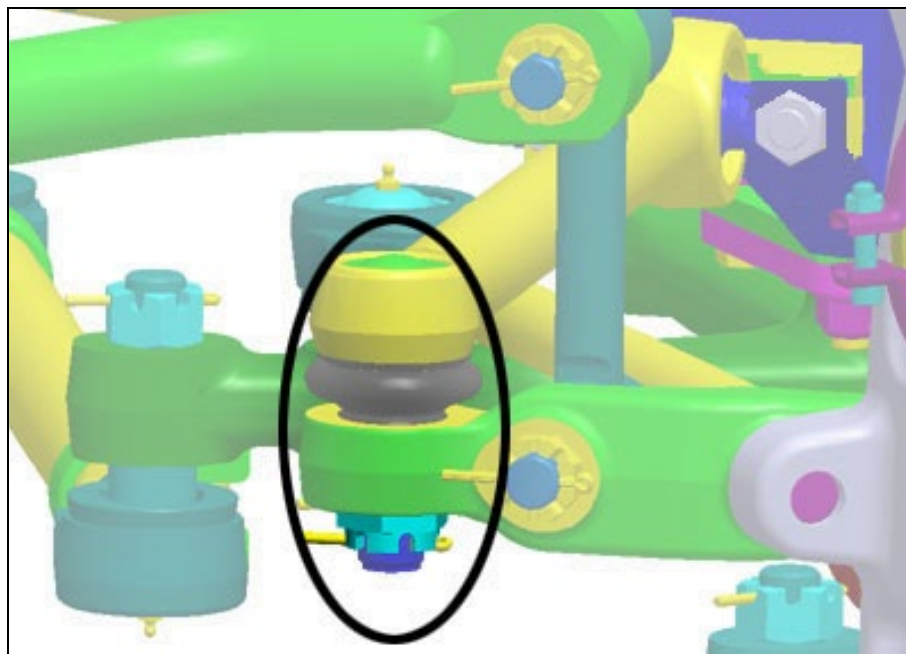


Reinstall bar and lock nut without tab locks.

12. Reconnect the bar at the suspension side, torque the castle nut to 150lb-ft.
13. Install the supplied cotter pin to lock the castle nut.

NOTE

If the cotter pin hole and the castle nut do not line up, tighten the castle nut to next aligning cotter pin slot. Do not unscrew or go below 150lb-ft.



Reinstall bar, lock with cotter pin.

14. Apply oil or anti-rust lubricant to protect the exposed threaded area (nuts and studs).
15. Repeat the procedure for the other side of the vehicle.

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 three hour(s) (3.0) 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 SR15-52".

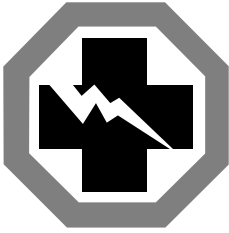
Should you only wish to close the safety recall (without reimbursement), fill-in the "Safety Recall Certification Sheet" provided with this bulletin and return it to our warranty department by Email at prevo.onlinewarranty@volvo.com or by fax at 418-831-9301.

OTHER

VBC Bulletin	N/A
Fail Code	16.07
Defect Code	09
Syst.Cond	B
Causal Part	130963

Access all our Service Bulletins on
<https://secureus5.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: SR15-XX)

VEHICLE SERIAL NUMBER:

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PERFORMED BY		OWNER/OPERATOR	
We hereby certify that Safety Recall Instructions with regard to Safety Recall SR15-XX 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