Volvo Trucks North America Greensboro, NC USA

VOLVO

 Date
 Number
 Release
 Page

 01.2019
 RVXX1901
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 1 (8)

Transmission Electronic Control Unit (TECU), Software Update

VNL

SAFETY RECALL INFORMATION:

(January 2019)

Volvo Trucks has been informed by Eaton Corporation, plc (Eaton) that a defect which relates to motor vehicle safety may exist in certain automated manually shifted heavy duty vehicles equipped with an UltraShift PLUS, Fuller Advantage, or SmartAdvantage automated transmission model. The defect is a result of an internal component within the clutch assembly which may be out of specification and fail. In special circumstances this failure could cause the clutch component to inhibit clutch departure. If clutch departure becomes inhibited, unintended vehicle motion could occur causing a vehicle impact.

Eaton will remedy the defect by providing a software update. If the clutch assembly was produced between April 1, 2017 and June 5, 2018, and the Transmission Electronic Control Unit (TECU) software is less than 5569997, update the software to 5569997 (Date release version 1812-01-SCB-2682) or greater. The software update is available in ServiceRanger[™] 4.

VEHICLES AFFECTED:

Certain Volvo VNL model trucks manufactured from April 03, 2017 through June 11, 2017.

QUANTITY of VEHICLES AFFECTED

The total number of vehicles affected by this recall is 1261 (USA 1219, and Canada 42).

REQUIRED SOFTWARE

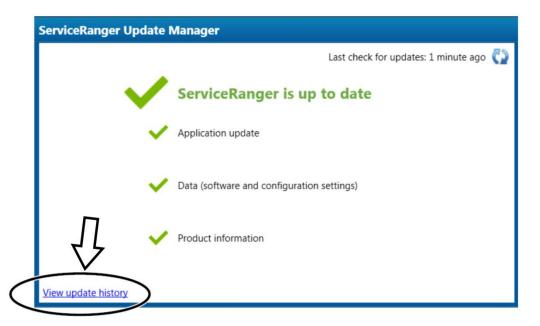
- Eaton's ServiceRanger[™] 4 software is required to enable an upgrade to the TECU software part number 556997 (Date release version 1812-01-SCB-2682)
- If Eaton's ServiceRanger[™] 4 software is not installed on your PC, contact Eaton for this software @ <u>www.roadranger.com</u> or 1-800-826-HELP (4357)
- The software will be available with a PRO license after January 2, 2019

Step A: Verify ServiceRanger[™] 4 Data release is at the latest version.

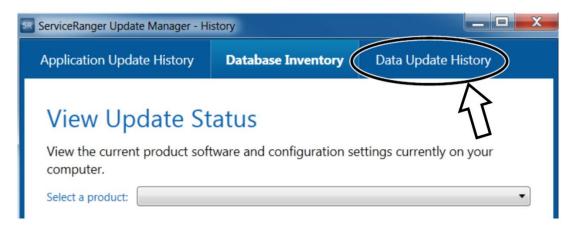
1. Left click on the **"SR**" icon to open the **ServiceRanger™ 4 Update Manager**.



2. Select "View update history".



3. Select "Data Update History" tab.



- 4. Verify Data release **1812-01-SCB-2682** or greater is applied.
 - a. If the latest Data release is not applied, go to STEP B.
 - **b.** If the latest Data release is **applied**, go to **STEP C**.

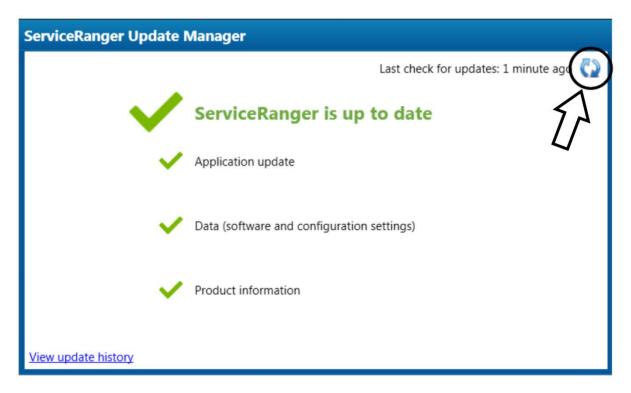
ServiceRanger Update Manager - History -					×	
Ар	plication Update History	Database Inventory	Dat	a Update Hist	tory	
Id	Notes	Sta	atus	Date		^
2.4	1 1811-04-S-0001 Data releas	e Applie	d	11/27/2018		

STEP B: Update ServiceRanger[™] 4 Data release to latest version.

- 1. Connect computer to the internet.
- 2. Left click the "SR" icon to open the ServiceRanger™ 4 Update Manager.



3. Select the "REFRESH" icon to "Check for updates".



4. After the update is complete, go to Step A.

STEP C: Update Transmission Software to 5569997 or greater.

1. Close vehicle cab doors.

NOTE: This limits activity of vehicle/component modules on the vehicle data link.

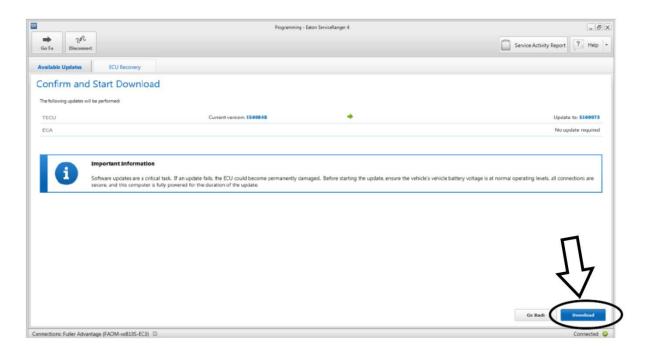
- 2. Key on.
- 3. Connect to **ServiceRanger™ 4**.
- 4. Go To "Programming".

5. Select Available Updates - SW-18338-D (5569997) or greater.

NOTE: If software is 5569997 or greater, no update is required. Go to **Step 13**.

58		Programming - Eaton ServiceBanger 4	_ @ X
Gio To	ी Discannest		Service Activity Report Performance +
Available	Updates ECU	Recovery .	
Fuller Ad	vantage	Available Updates	
Software I	Information		Show older software
TECU	5569848	SW-17030-D	*
ECA	5532104	www.anable.tor.Hull Avantage series heavy duty transmissions.	Release Date: 1/30/2017
Hardware	Information	The following or reded in this update:	
TECU Gen 3.7 ECI	4306473 -	ECA 5532104 TECU 556897	
ECA Gen2	125872C		
Other Info	rmation	-	
TECU 0	0		
			-
			11
			25
			V
			Coeffirm
C	Fuller Advantage (FAOM	- ALM 773 13	Connected 🥥

- 6. Select "Confirm".
- 7. Select "Download".



8. Turn Ignition Off when prompted and wait 2 minutes.

NOTE: This limits activity of vehicle/component modules on the vehicle data link.

9. After waiting 2 minutes, select "**OK**".

	Programming - Eaton ServiceRanger 4	- 8 ×
no To Discensed		Service Activity Report
Available Updates ECU Recovery		
Download Progress		
Read Configurations		v .
Downloading Software Update		
TECU Turn off IGN		08
Completed: 26%		Elapsed Time: 1.5
Turn Ignition Off		
Write Configurations		
Redetect. Product		

- 10. Turn Ignition On when prompted.
- 11. Select "OK".

		Programming - Exton ServiceRanger 4	
Go To Discas			Service Activity Report ? Help +
Available Updates	ECU Recovery		
Download	Progress		
Read Configurations			~
Downloading Software Updat	e		
TECU	Turn on IGN		0 Bytes/Sec
	Completed: 93%		Elapsed Time: 115 Secon.
	Turn Ignition On		
Write Configurations			
Redetect Product			

12. Select "Finish" when prompted.

	Programming - Eaton ServiceRanger 4	- @ ×
Ge Te Disconnect		Service Activity Report ? Help +
Available Updates ECU Recovery		
Download Progress		
Read Configurations		×
Downloading Software Update		×
TECU		× .
Write Configurations		ř-
Redetect Product		
		74
Download Completed Successfully		\checkmark
All updates were applied to the vehicle.		Finish

13. Select "Disconnect".

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Show older software
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Remose Date: 11/7/2018

14. Key off and allow 2-3 minutes for the TECU to perform a complete power-down.15. Process complete.

Reimbursement:

This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.			
	UCHP Reimbursement		
Claim Type (used only when uploading from the Dealer Business System)	40		
Recall Status			
Vehicle repaired per instructions	1-Modified per instructions		
Labor Codes			
Primary Labor Code Transmission Electronic Control Unit (TECU), Software Update	4376-22-09-02 (0.5 hrs)		
Causal Part	21649090		
Authorization Number	C6602		