

Front Engine Accessory Drive Update

Release: 1

Technician Skill Level: A

Revision Note: 01/2026 Initial Release

Market: North America

Service Category: Service Department

Applicability: Please refer to VDA+

Section: Function Group 263

Description:

Vehicles were assembled with incorrect front-engine accessory drive (FEAD) components.

Concern:

Incorrect FEAD components can lead to premature failure of the accessory belts.

Action:

Use the instructions in this document to install the correct FEAD components.

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.			
Claim Type (used only when uploading from the Dealer Bus. Sys.)			B
Labor Code		Description	Hours
Main Code	2634-03-03-10	Drive Belt, Belt Tensioner, and Idler Pulley, Replacement (All)	0.7
	3211-03-02-01	Alternator, Replacement	0.8
	3218-03-02-05	Belt Tensioner, Alternator, Replacement	0.4
Causal Part		24390274	
SCC Authorization Code		S4642	
Expiration Date		January 31, 2027	

Front Engine Accessory Drive Update

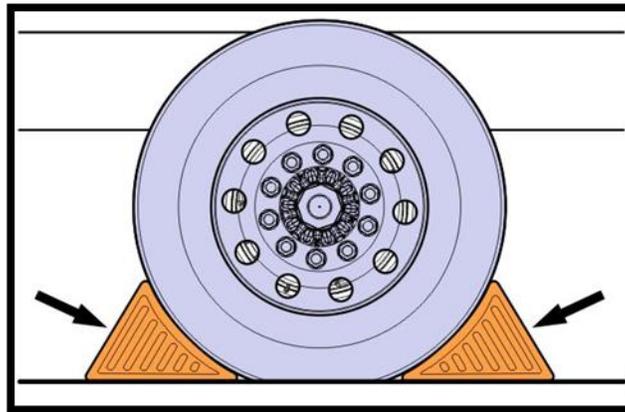
Parts Information

Order using the normal process

Part Numbers	Part Names	Quantity
24170327	Idler Bracket (Fan Belt)	1
24390274	Idler Pully (Fan Belt)	1
24389899	Tensioner (Fan Belt)	1
24171422	Belt (Fan)	1
60112984	Socket Screw, tensioner (Fan Belt)	1
24147478	Alternator Bracket	1
24377136	Tensioner (Alternator Belt)	1
24428844	Alternator Belt	1

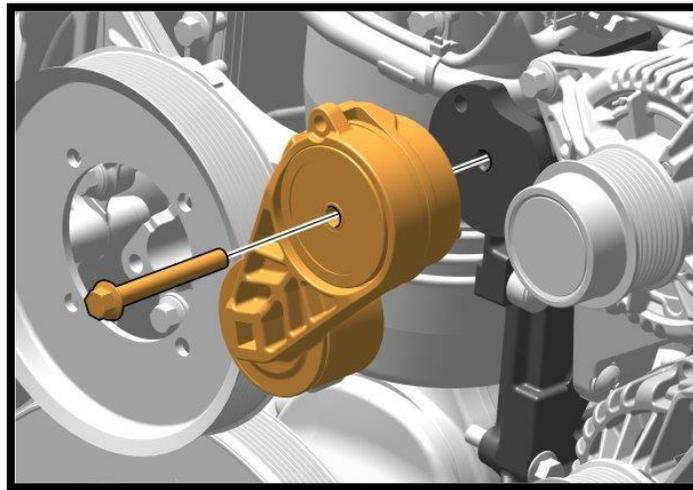
Repair Procedure

1. Park the vehicle on level surface.
2. Apply parking brake.
3. Place the transmission in park or neutral.
4. Turn off ignition.
5. Install wheel chocks.

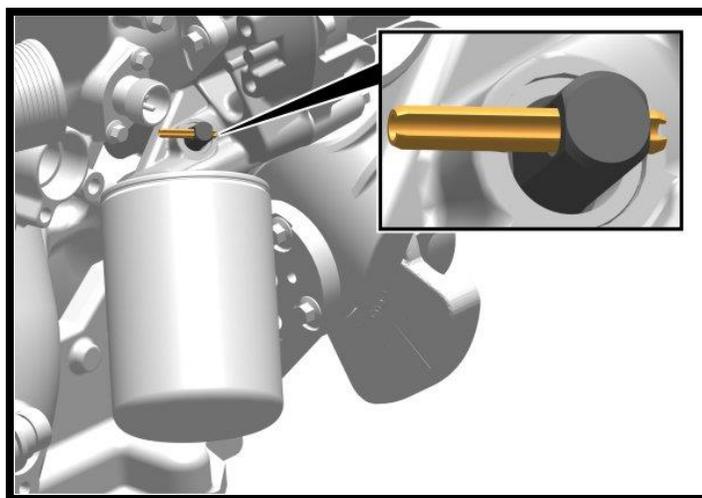


Front Engine Accessory Drive Update

6. Follow Impact Operation **2634-03-02-01 Fan Drive Belt Tensioner Replacement**. Pause once the fan drive belt and tensioner is removed. **Discard removed tensioner and belt.**
7. Follow Impact Operation **3211-03-02-01 Alternator Replacement**. Pause once the alternator belt and alternator are removed. **Discard belt, Retain the alternator and mounting hardware for reinstallation.**
8. Remove and discard the alternator belt tensioner (**Retain Mounting Bolt**).

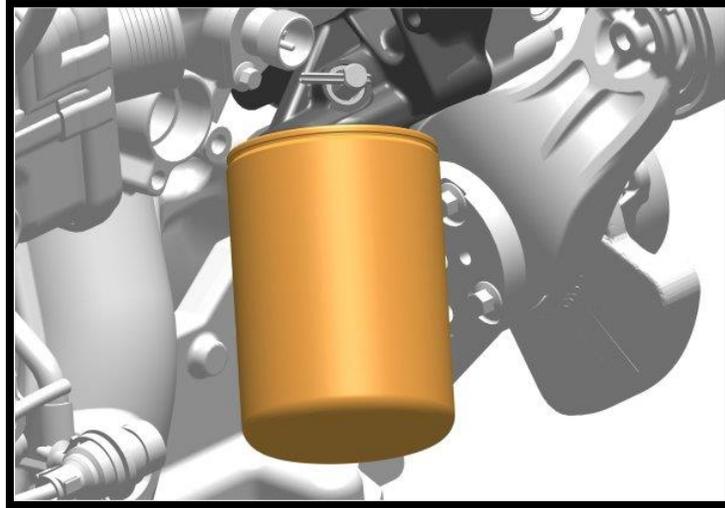


9. Remove and **discard** the alternator mounting bracket (**Retain alternator bracket mounting hardware**).
10. Close the shut-off on the coolant filter housing.



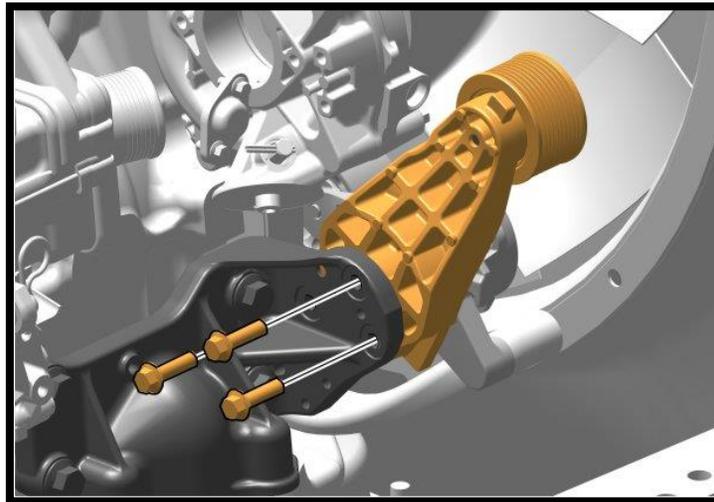
Front Engine Accessory Drive Update

11. Remove the coolant filter. **Retain for reinstallation.**



12. Remove screws (**Retain hardware**).

13. Remove and **discard** the bracket and idler pulley.

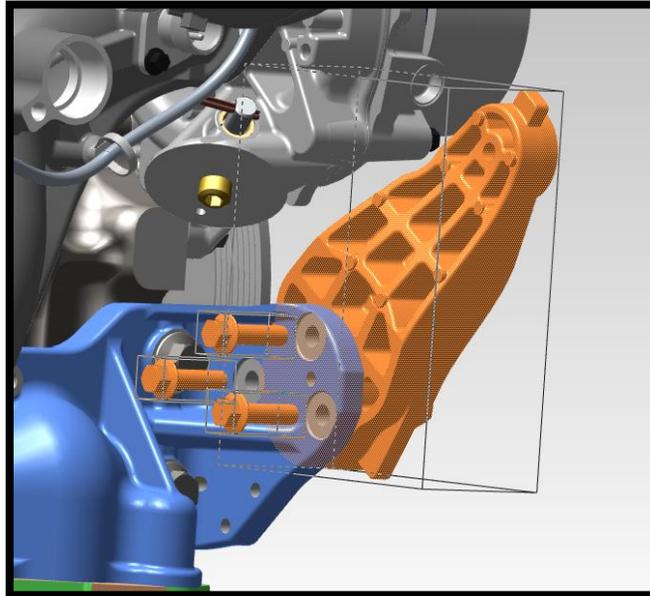


Front Engine Accessory Drive Update

14. Install new bracket (**PN-24170327**).

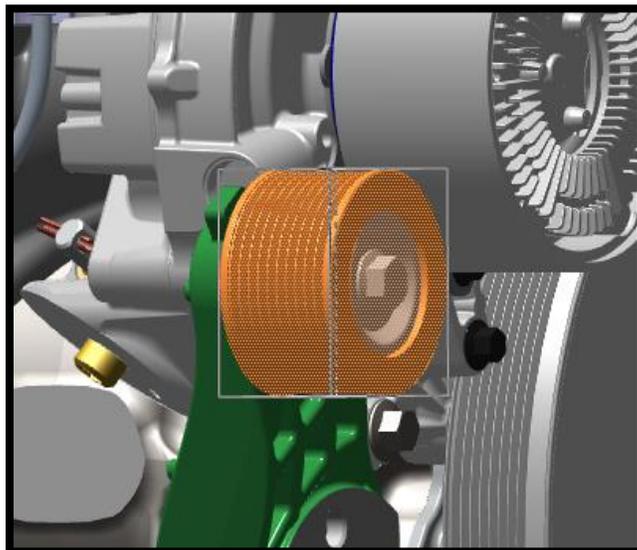
15. Installed and torque retained screws.

Tightening torque	
Idler Pulley Bracket, screws	60 ±10 Nm (44 ±7 lb _r -ft)



16. Install and torque the new Idler pulley (**PN-24390274**).

Tightening torque	
Idler Pulley, screw	50 ±5 Nm (37 ±4 lb _r -ft)



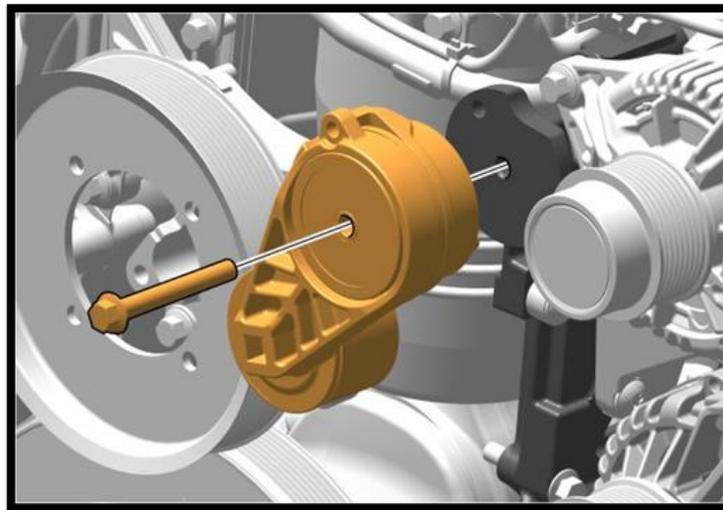
Front Engine Accessory Drive Update

17. Install and torque the new alternator bracket (**PN-24147478**) use retained hardware.

Tightening torque	
Alternator Mounting Bracket, screws	60 ±10 Nm (44 ±7 lb _r -ft)

18. Install and torque the new alternator belt tensioner (**PN-24377136**) (Use retained mounting hardware).

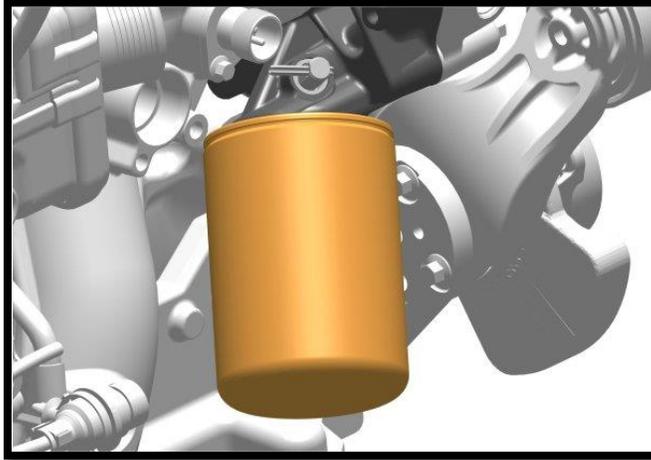
Tightening torque	
Belt tensioner, screw	48 ±8 Nm (35 ±6 lb _r -ft)



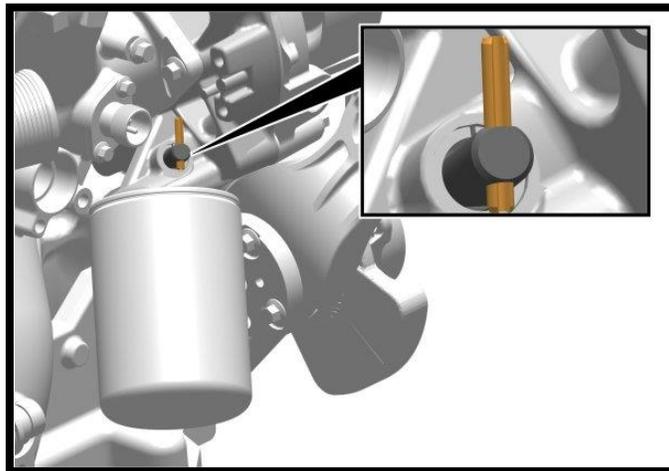
19. Resume Impact Operation **3211-03-02-01 Alternator Replacement** to install the retained alternator and new alternator belt (**PN-24428844**).
20. Resume Impact Operation **2634-03-02-01 Fan Drive Belt Tensioner Replacement** to install the new fan drive belt tensioner (**PN-24389899**) using new hardware (**PN-60112984**) and belt (**PN-24171422**).

Front Engine Accessory Drive Update

21. Install retained coolant filter.

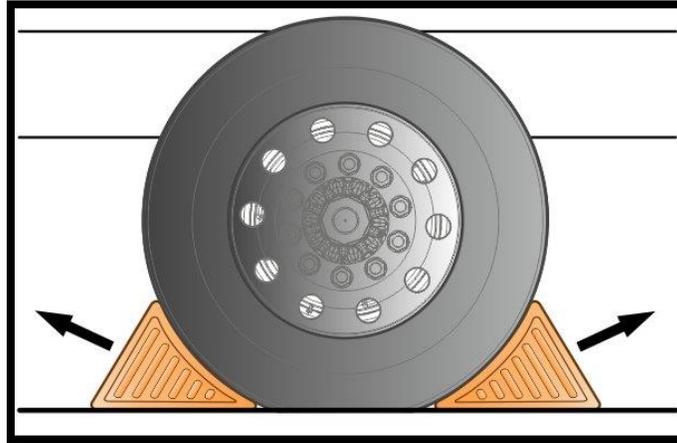


22. Open the shut-off on the coolant filter housing.



Front Engine Accessory Drive Update

23. Remove wheel chocks.



24. Release truck.