Technical Support

Subject

2020+ Ford Super Duty 6.8L V8 and 7.3L gas With Dual OEM Alternators UNDERHOOD™ 40 cfm System Compatibility

SYSTEM OR PARTS AFFECTED

- V400031 UNDERHOOD 40 Air Compressor for 2020 - 2022 F250 – F600 7.3L Gas.
- V400041 UNDERHOOD 40 Air Compressor for 2023+ F250 – F600 7.3L Gas.
- V400051 UNDERHOOD 40 Air Compressor for 2023+ F250 – F600 7.3L Gas w/Advanced Digital Controls.
- V400042 UNDERHOOD 40 Air Compressor for 2023+ F250 – F600 6.8L V8 Gas.
- V400052 UNDERHOOD 40 Air Compressor for 2023+ F250 – F600 6.8L V8 Gas w/Advanced Digital Controls.

Overview

- As outlined in the VMAC Application List the above UNDERHOOD 40 systems are not compatible with 2020+ Model Year Ford F250 – F600 6.8L V8 and 7.3L gasoline powered vehicles that are equipped with Dual OEM alternators.
- If the installer determines that a single alternator will fulfill the vehicle's operational charging system requirements, conversion to single alternator is an option to accommodate the installation of the above UNDERHOOD system.

It is the responsibility of the installer of the VMAC UNDERHOOD system to verify that a single alternator will meet or exceed the operational charging demands of the vehicle and its equipment.

Poor battery charging, and any problems resulting from charging system alterations, including the removal of the OEM secondary alternator during upfitter modifications are non-warrantable by both Ford and VMAC.

NOTE

The conversion to single alternator will necessitate having a Ford dealership disable the secondary alternator in the software. The secondary alternator, alternator bracket, and dual alternator FEAD belt can remain in place as the OEM bracket and belt will be replaced with VMAC supplied components during the UNDERHOOD 40 install.

Before you order

- Ensure the vehicles has not been ordered with Option Code 67B: 397-Amp Dual Alternators (240A primary alternator and 157A secondary alternator).
- Read Ford SVE Bulletin Q-266R2 carefully at https://madocumentupload.marketingassociates.com/api/Document/GetFile?v1=5329024&v2=032420095954&v3=60&v4=e18e933bd00f373a2b7237085cf1f92e5dc3ebe7d16046ae796d3dd5&v5=False or scan the following QR code to view:

Version	Document	Department	Revision Details	Author	Reviewed by		Implemented
					Tech.	Eng.	
C	EXT-UH-005	Tech	Add new models	BDJ	N/A	N/A	15 Aug 2024

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