

Subject
2011-2016 Ford 6.7L Diesel Dual Alternator To Single Alternator

System or Parts affected

- UNDERHOOD 30 (V300001) and UNDERHOOD 40 (V400001) for 2011 – 2016 Ford 6.7L Diesel trucks with Dual Alternators

Parts Required

- See Ford SVE Bulletin [Q-160R2](#) (Note that secondary water pump must be changed)
- Secondary Water Pump **Motorcraft®** P/N# PW 504 or **Ford** P/N# BC3Z 8501 C
- Secondary Water Pump Bolts (x4) **Ford** P/N# W705738 S309 (M8 x 62mm)
- Single Alternator Belt **Ford** P/N# BC3Q-8620-FA (Only required if vehicle will be driven before VR Lite compressor is installed.)

Before you start



Note: V300001 and V400001 systems are not compatible with dual alternator equipped trucks unless the truck is converted to a single alternator system. *The original Ford P/N# **BC3Q-8501-BB** secondary water pump is not compatible with our compressor bracket. This must be converted to Motorcraft® secondary water pump: P/N# **PW 504** or Ford P/N# **BC3Z 8501 C** and correct bolts for the corresponding water pump.*

Overview

The Secondary Alternator needs to be removed for installation of the V300001 or V400001 kit. Ford also utilises an incompatible secondary water pump in trucks equipped with dual alternators that will need to be replaced with the Motorcraft® P/N# PW 504 or Ford P/N# BC3Z 8501 C secondary water pump.

Once this conversion is complete the vehicle will need to be reprogrammed to prevent an engine code related to the charging system being set. For more information regarding conversion to a single alternator system please contact your nearest Ford Service location.



Please review Ford SVE Bulletin Q-160R2 prior to converting the charging system.



Document	Version	Department	Revision Details	Revised by	Tech	Engineering	Implemented
EXT-VL-002	E	Tech	Add V400001	BDJ	N/A	KRM	21 Sept 2018