

The PSI logo is rendered in a bold, italicized, sans-serif font. The letters are white with a subtle gradient and a slight shadow, giving it a three-dimensional appearance. It is contained within a dark green rectangular box with rounded corners and a thin white border.

**PSI**

**POWER SOLUTIONS  
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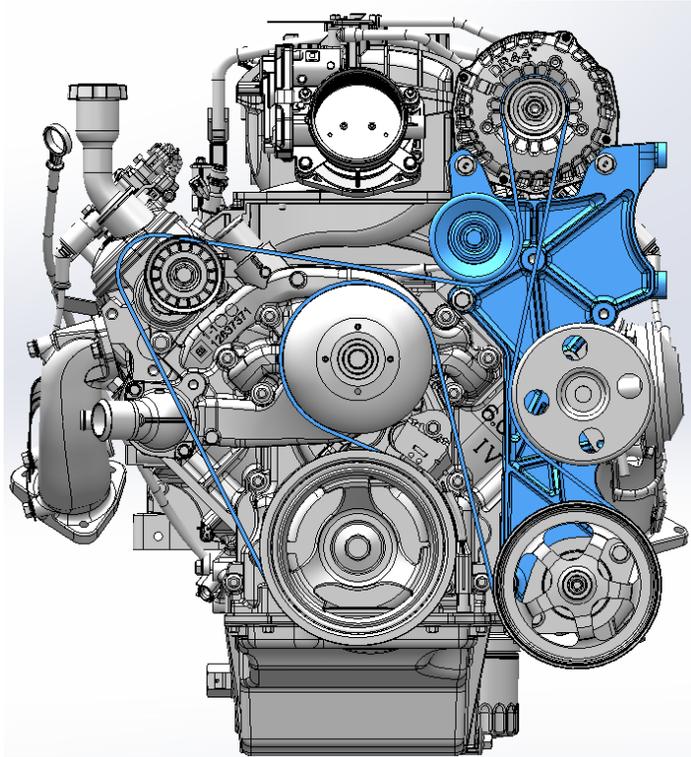
**Program: Fuso – Dual A/C Install  
Guide**



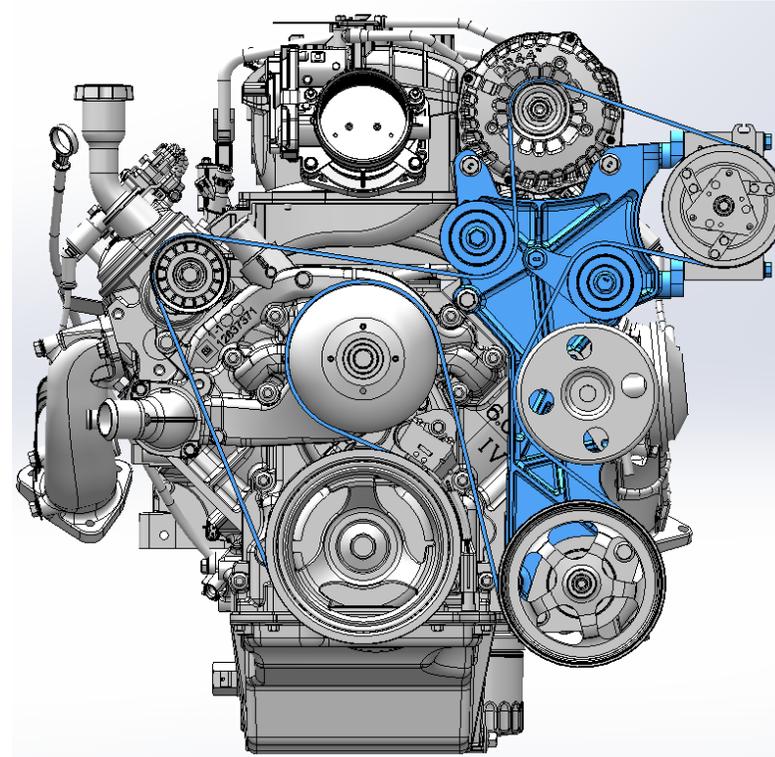
# Overview

- The Fuso program included efforts to enable an auxiliary drive configuration which adds a second A/C pump to the drive.
- This document details the conversion effort to add this secondary A/C pump.
- The two drive configurations are shown, below, for reference.

Without Dual  
AC

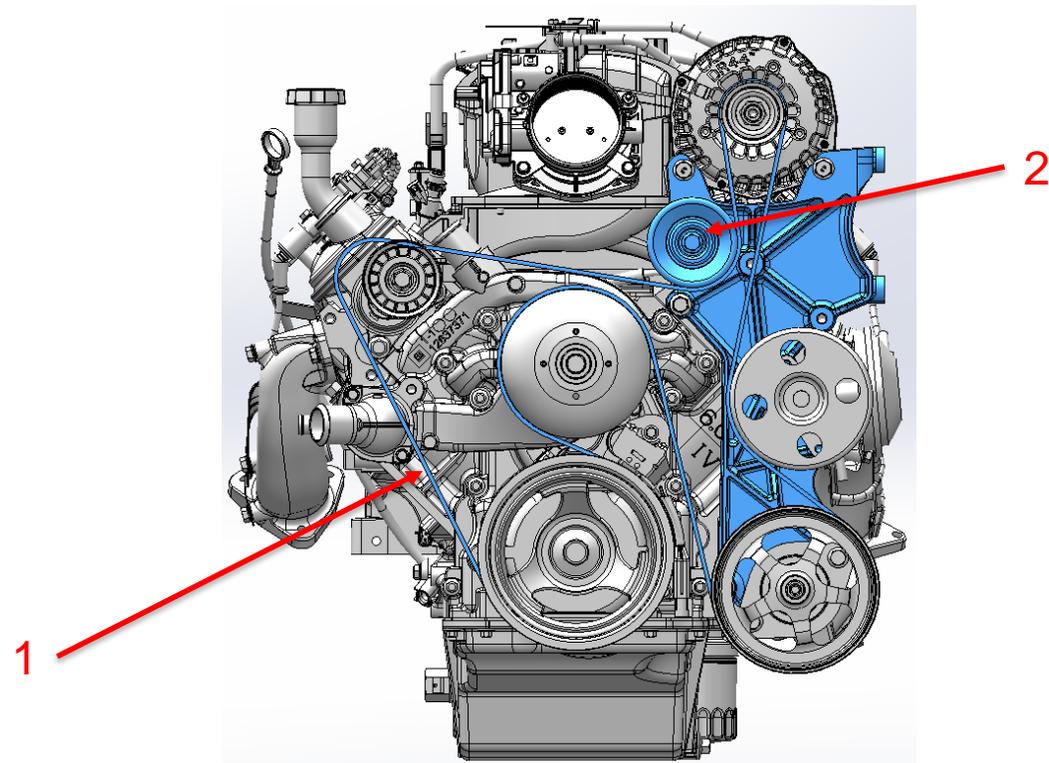


With Dual  
AC



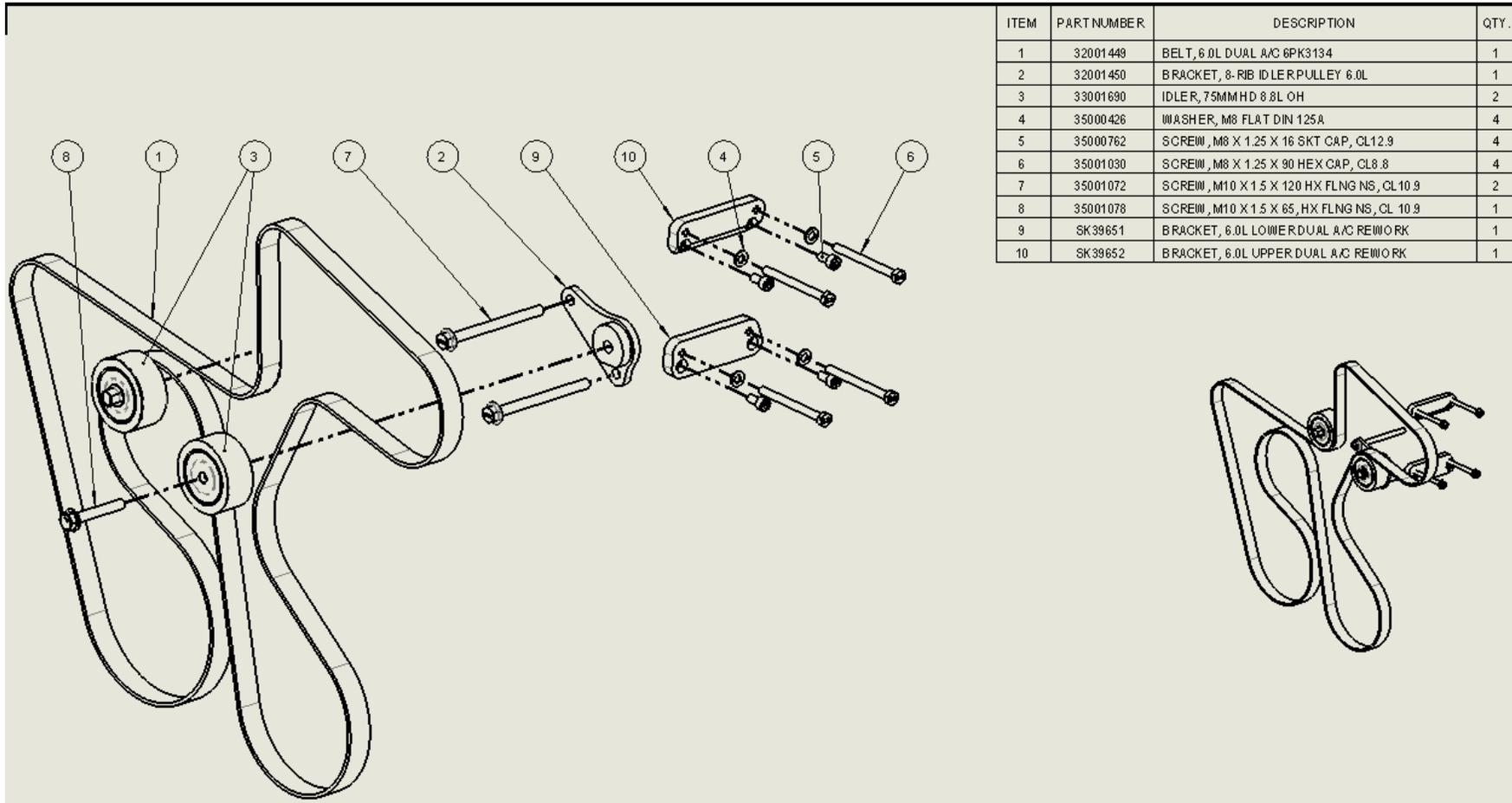
# Disassembly

- 1) Remove the stock belt from the engine.
- 2) Remove the stock idler pulley.
- 3) Discard parts.



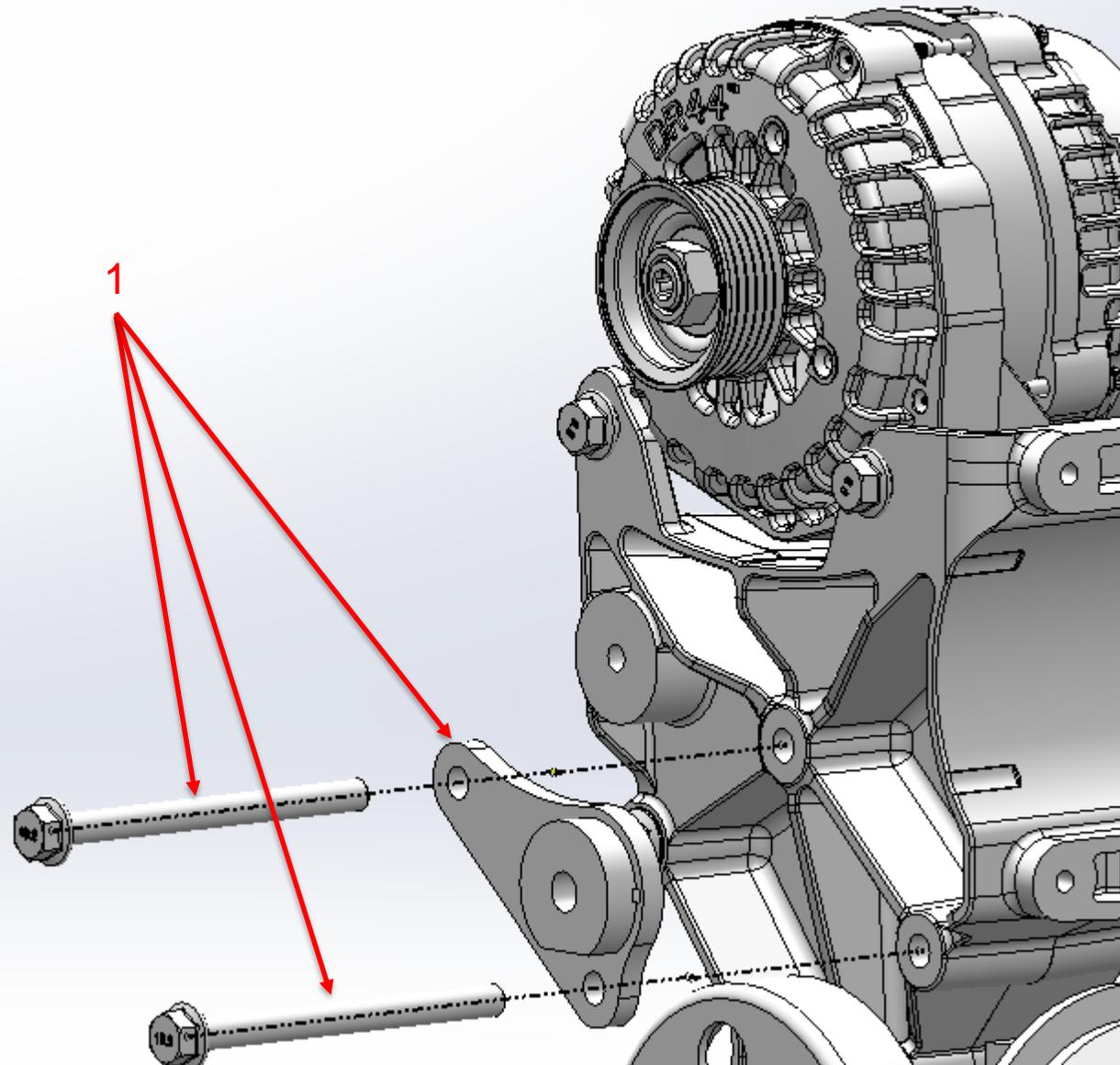
# Parts List Required for Upfit

- Below are the list of parts required to retrofit a stock engine to include the secondary A/C pump.



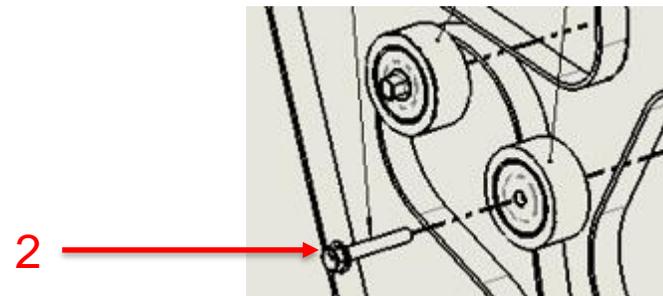
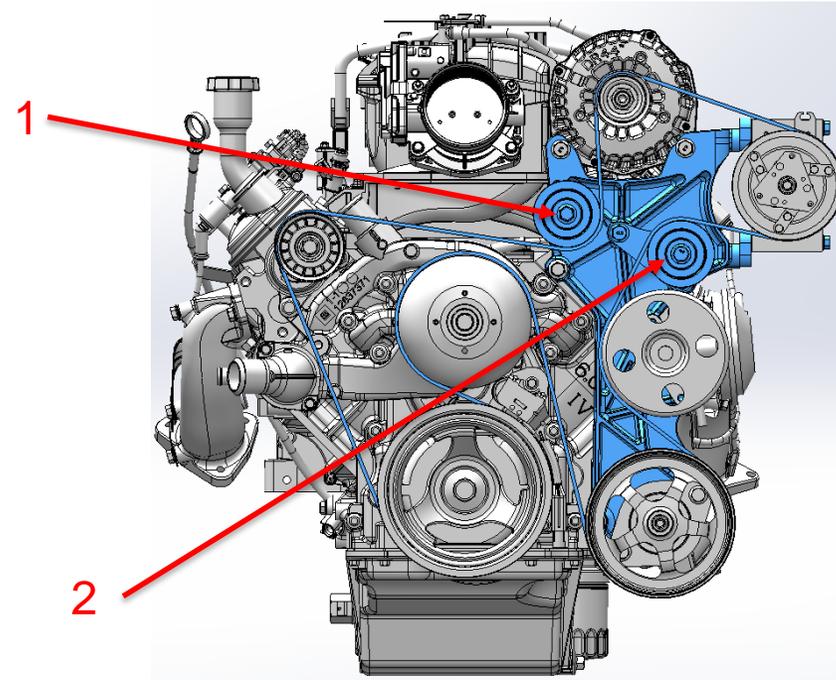
# Install Notes

- 1) Install the new idler bracket to the main FEAD bracket (32001450) item 2 on the parts list using fasteners item 7 on the parts list (35001072).
  - Screws to be torqued to 37 [ft-lb] (50 [Nm])



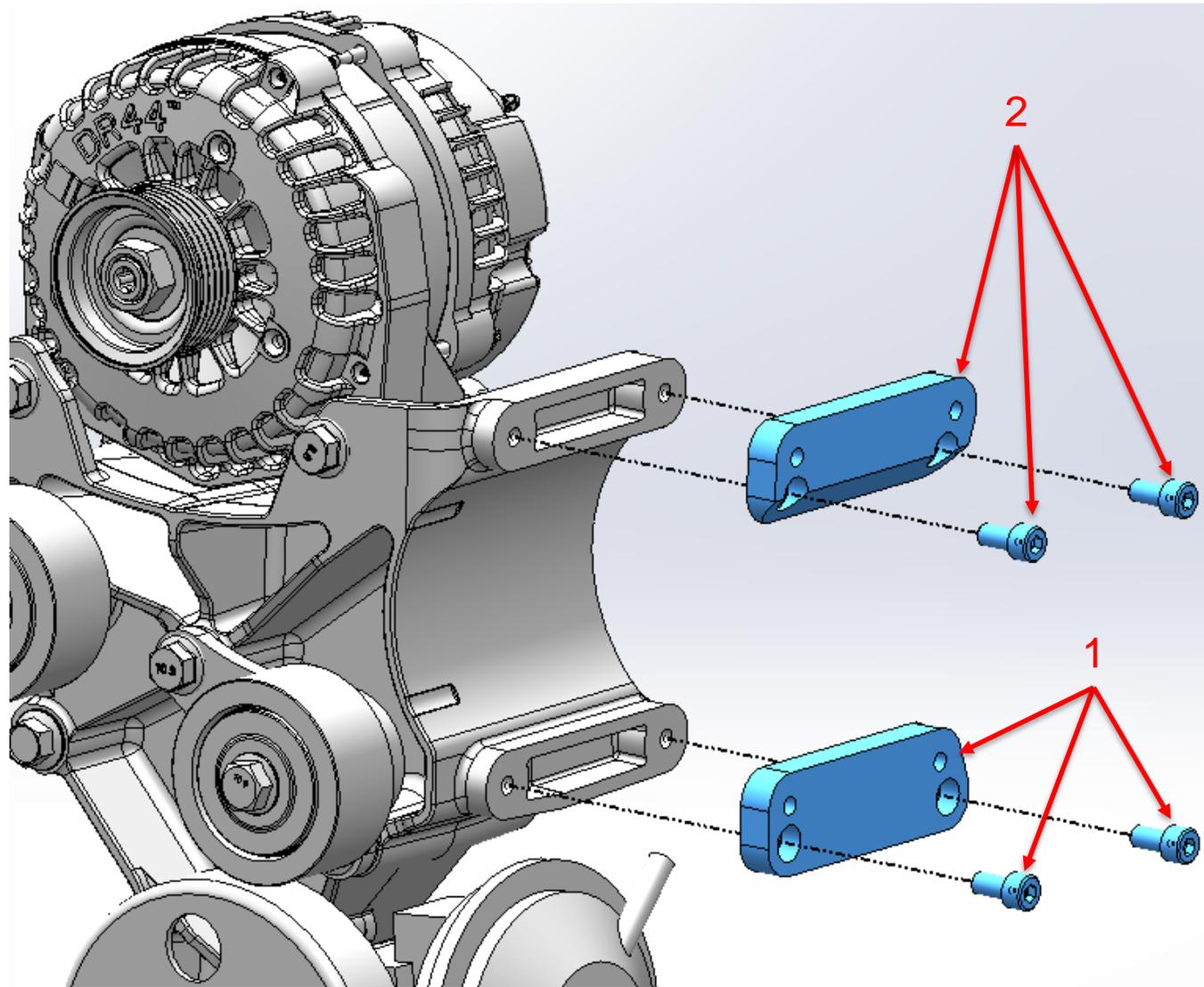
# Install Notes

- 1) Locate two new idlers (33001690) item 3 on the parts list. Install the first idler in the same location as the previously removed idler.
- 2) Before installing the second idler remove the current fastener and discard. Install new fastener item 8 on the parts list (35001078) Install second idler to previously installed bracket.
  - Screws to be torqued to 37 [ft-lb] (50 [Nm])



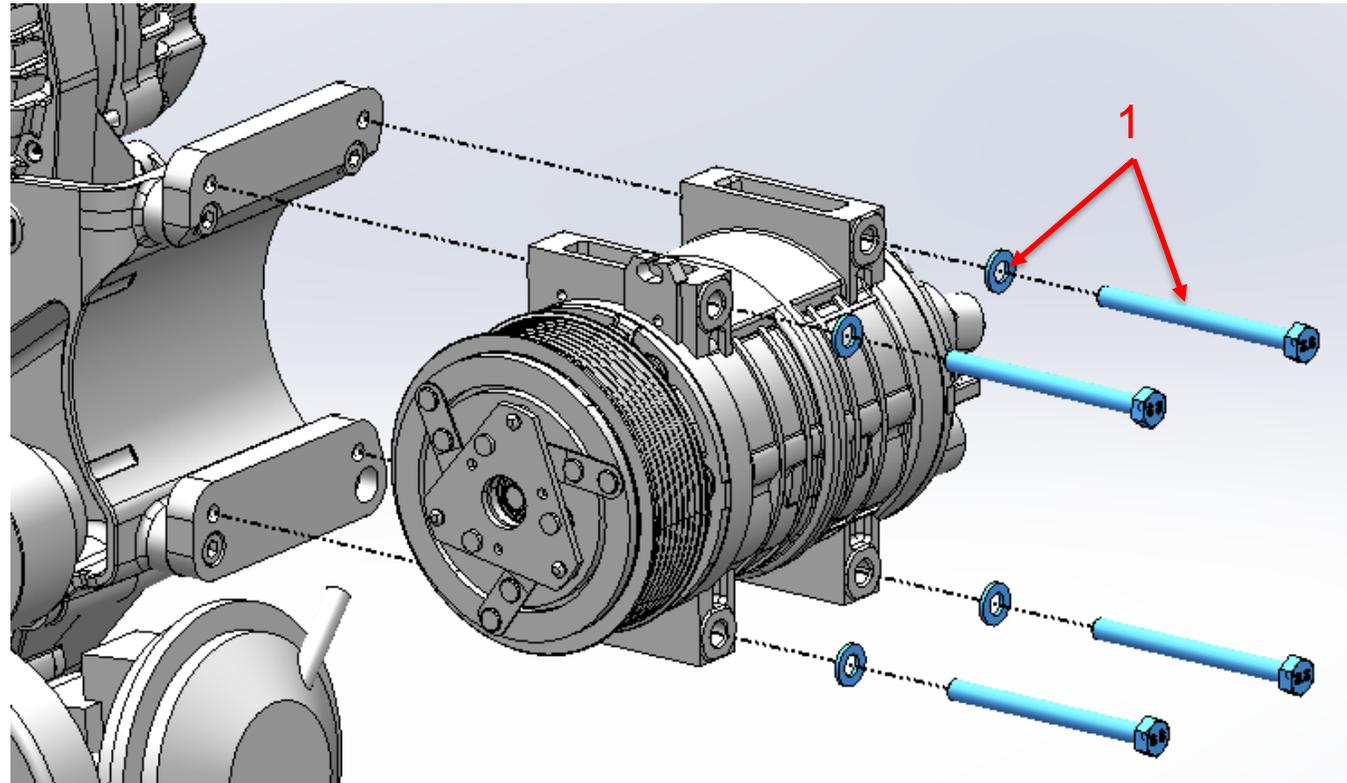
# Install Notes

- 1) Install offset brackets item number 9 (SK39651) to the main FEAD bracket installed using 2X 35000762 socket head bolts.
  - Screws to be torqued to 20 [ft-lb] (27 [Nm])
- 2) Install offset brackets item number 10 (SK39652) to the main FEAD bracket installed using 2X 35000762 socket head bolts
  - Screws to be torqued to 20 [ft-lb] (27 [Nm])



# Install Notes

- 1) Install dual A/C compressor with attaching screws (35001030) and washers (35000426) used to secure the compressor to the offset brackets.
  - Screws to be torqued to 20 [ft-lb] (27 [Nm])



# Install Notes

1) Install new belt item 1 on the parts list (32001449) after belt is installed and seated (rotate drive a few time to seat belt), the resulting tensioner position should be near the image shown, bottom right.

- Ensure correct tracks are utilized on A/C compressor (belt should be located on ribs which are closest to the engine)

