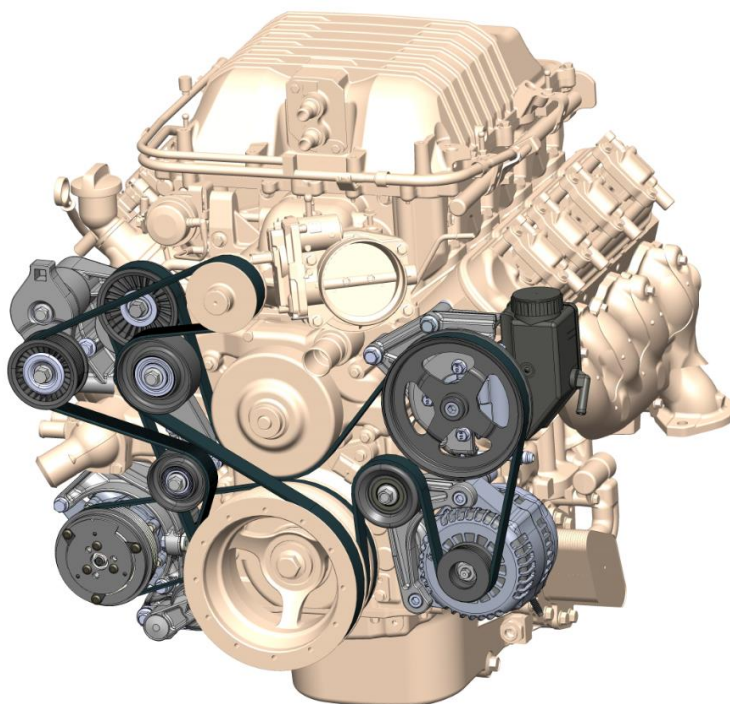




# Holley Accessory Drive Kit

## Part Numbers 20-163 & 20-163BK

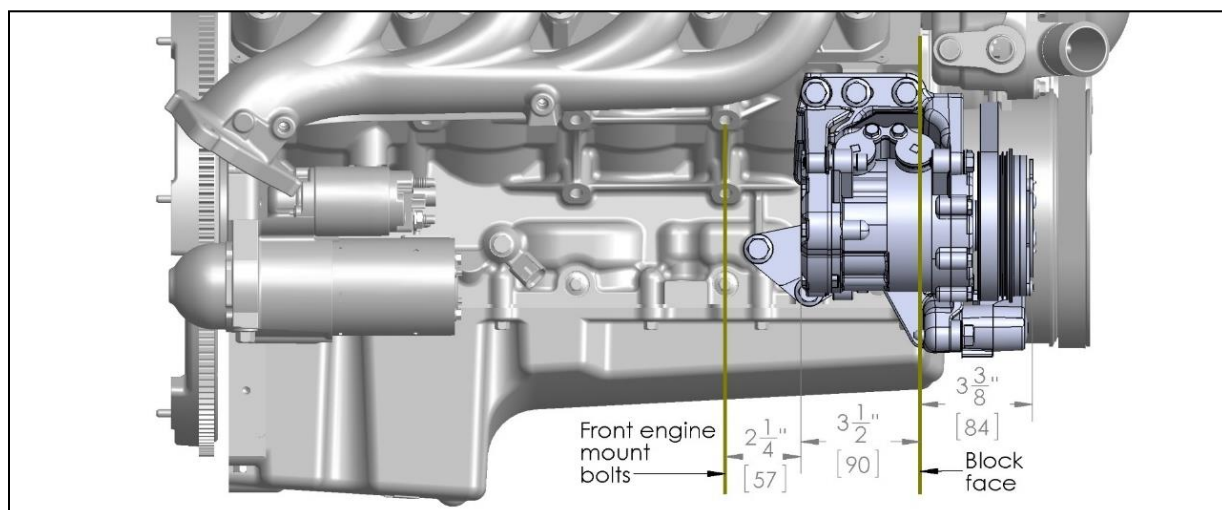
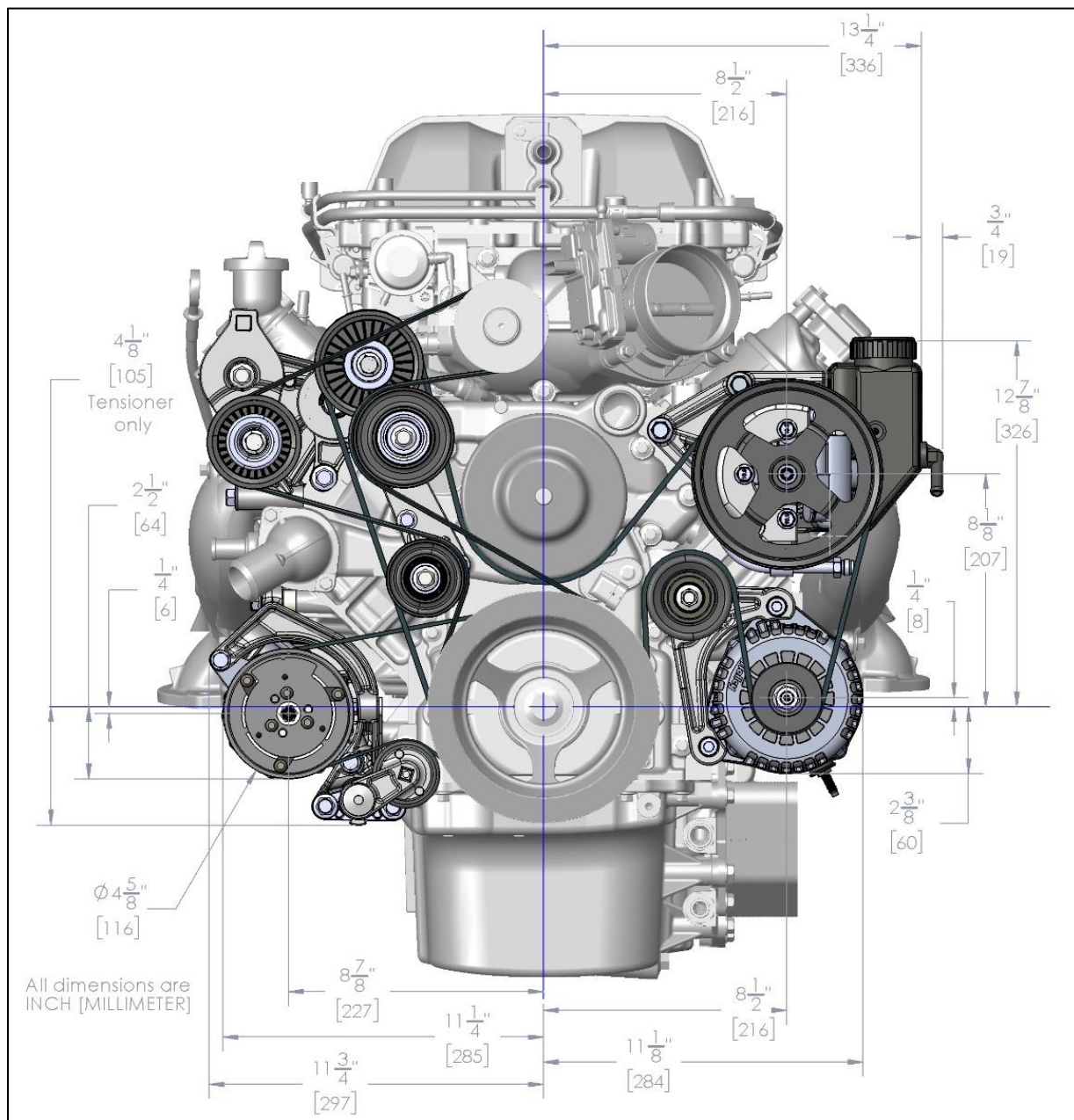
(Kits include: 20-160, 20-165, & 20-166)



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## Dimensions:



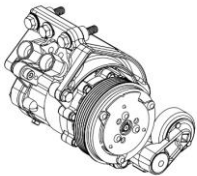
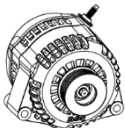


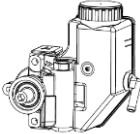
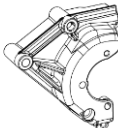

## Introduction:




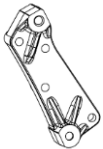
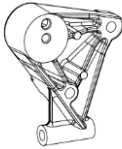




Holley's accessory drive kits offer clean, economical mounting of all LS engine accessories. These brackets pull all accessories in more toward the engine when compared to the original LSA accessories giving more clearance to swap applications and overall cosmetic appeal. These brackets look truly at home on the LSA engine as if they came from the factory this way. Holley's complete accessory drive systems come with virtually everything needed for installation, from the accessories to the pulleys and even the belt.


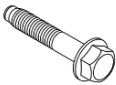
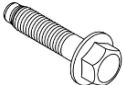
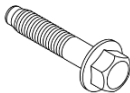
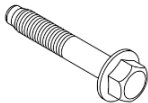
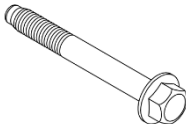
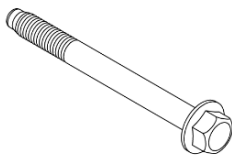
**Note:** This drive works with the original LSA damper/pulley and similar aftermarket versions.

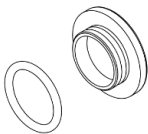
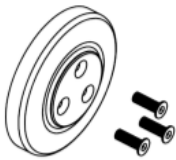
**IMPORTANT NOTE IF PAINTING COMPONENTS:** The alternator and A/C compressor ground through their mounting brackets. If painting or coating the brackets, the mating surfaces must all be bare metal allowing a ground path from the accessories' mounting feet to the engine block and ultimately the negative terminal on the battery.

## Parts List:

| PICTURE   | QTY | DESCRIPTION                               | REPLACEMENT MANUFACTURER & P/N             |
|---|-----|---|--|
|   | 1   | A/C Compressor and Bracket Assembly       | Holley P/N 20-160                          |
|  | 1   | Alternator                                | Holley 197-302 (natural) / 197-303 (black) |
|  | 1   | Pigtail                                   | Pigtail Holley 197-400                     |
|  | 1   | Alternator Mounting Bracket with Hardware | Holley P/N 20-166                          |
|  | 1   | P/S Pump                                  | Holley P/N 198-101                         |
|  | 1   | P/S Bracket with Hardware                 | Holley P/N 20-165                          |
|  | 1   | P/S Hardline                              | Holley P/N 197-207                         |

|   |   |                          |                   |
|---|---|--------------------------|-------------------|
|    | 1 | P/S Pulley               | Holley P/N 97-152 |
|    | 1 | Smooth Idler Pulley      | Holley P/N 97-150 |
|    | 1 | SC Belt Tensioner        | GM# 2622452       |
|    | 1 | Accessory Belt Tensioner | GM# 12628025      |
|    | 1 | SC Double Idler Bracket  | GM# 12606501      |
|    | 1 | SC Tensioner Bracket     | GM# 12606500      |
|   | 1 | Top SC Idler Large       | GM# 12606031      |
|  | 1 | Bottom SC Idler Small    | GM# 12606032      |
|  | 1 | Belt - Accessory         | BANDO# 6PK2047    |
|  | 1 | Belt - SC                | GM# 12676726      |

| HARDWARE  |   | Replacement Kit 97-263                         | Hardware Application  |
|---|---|--|---|
|    | 1 | Flange (13mm Hex Head) Bolt<br>M8 x 1.25 x 25  | Idler Pulley Bracket to Water Pump                          |
|    | 3 | Flange (13mm Hex Head) Bolt<br>M8 x 1.25 x 40  | Double Idler Pulley Bracket to Water Pump                   |
|    | 2 | Flange (15mm Hex Head) Bolt<br>M10 x 1.5 x 40  | Accessory Tensioner to Water Pump                           |
|    | 1 | Flange (15mm Hex Head) Bolt<br>M10 x 1.5 x 45  | SC Tensioner to Head (Top Hole)                             |
|    | 2 | Flange (15mm Hex Head) Bolt<br>M10 x 1.5 x 55  | Idler Pulley Bolts  |
|   | 2 | Flange (15mm Hex Head) Bolt<br>M10 x 1.5 x 80  | (1) SC Tensioner to Water Pump<br>(1) SC Tensioner to Block |
|  | 1 | Flange (15mm Hex Head) Bolt<br>M10 x 1.5 x 100 | SC Tensioner to Bracket                                     |

| Included Only With: 20-163BK  |   |  |                   |
|---|---|--|-------------------|
|  | 1 | Alternator Pulley Cover & O-ring<br>(Black)    | Holley P/N 97-187 |
|  | 1 | A/C Compressor Pulley Cover & Hardware (Black) | Holley P/N 97-185 |

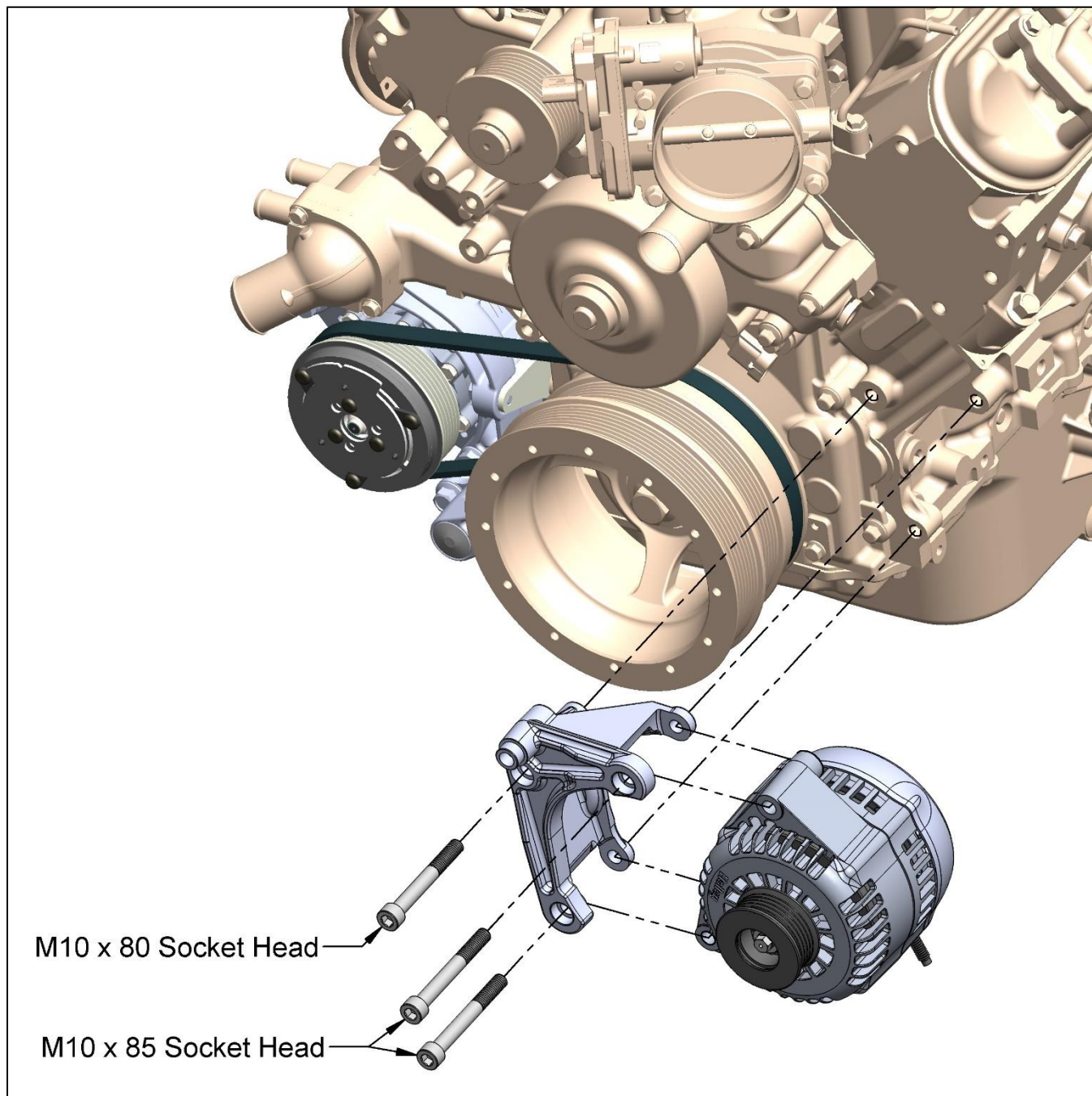


## A/C Installation:

Install A/C bracket in the **standard alignment position** at this time.

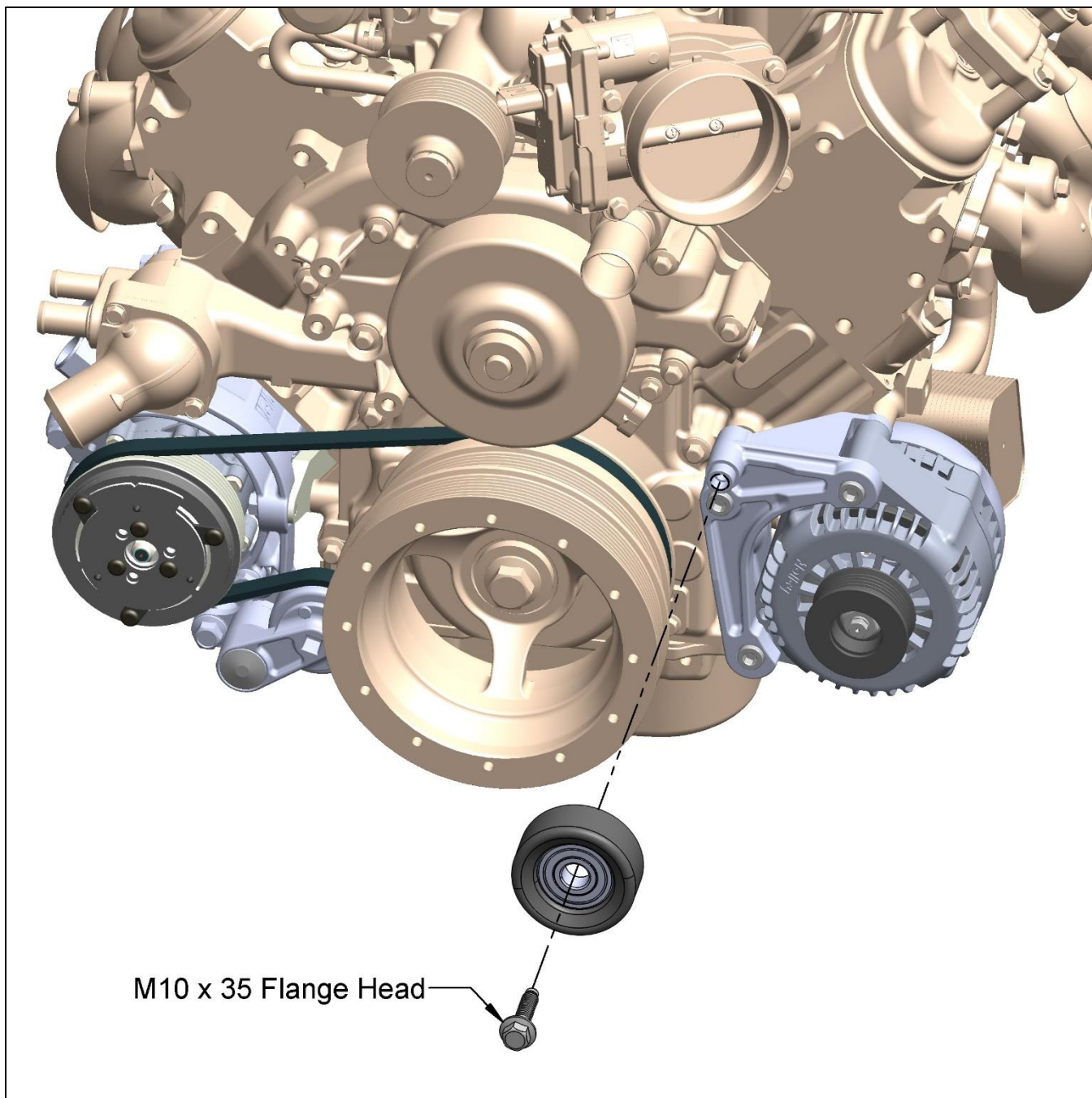
**NOTE:** For details on A/C Compressor and belt installation, see instructions for Holley P/N 20-160.

## Alternator Installation:



**NOTE:** Torque M10 bolts to 36 ft./lbs.

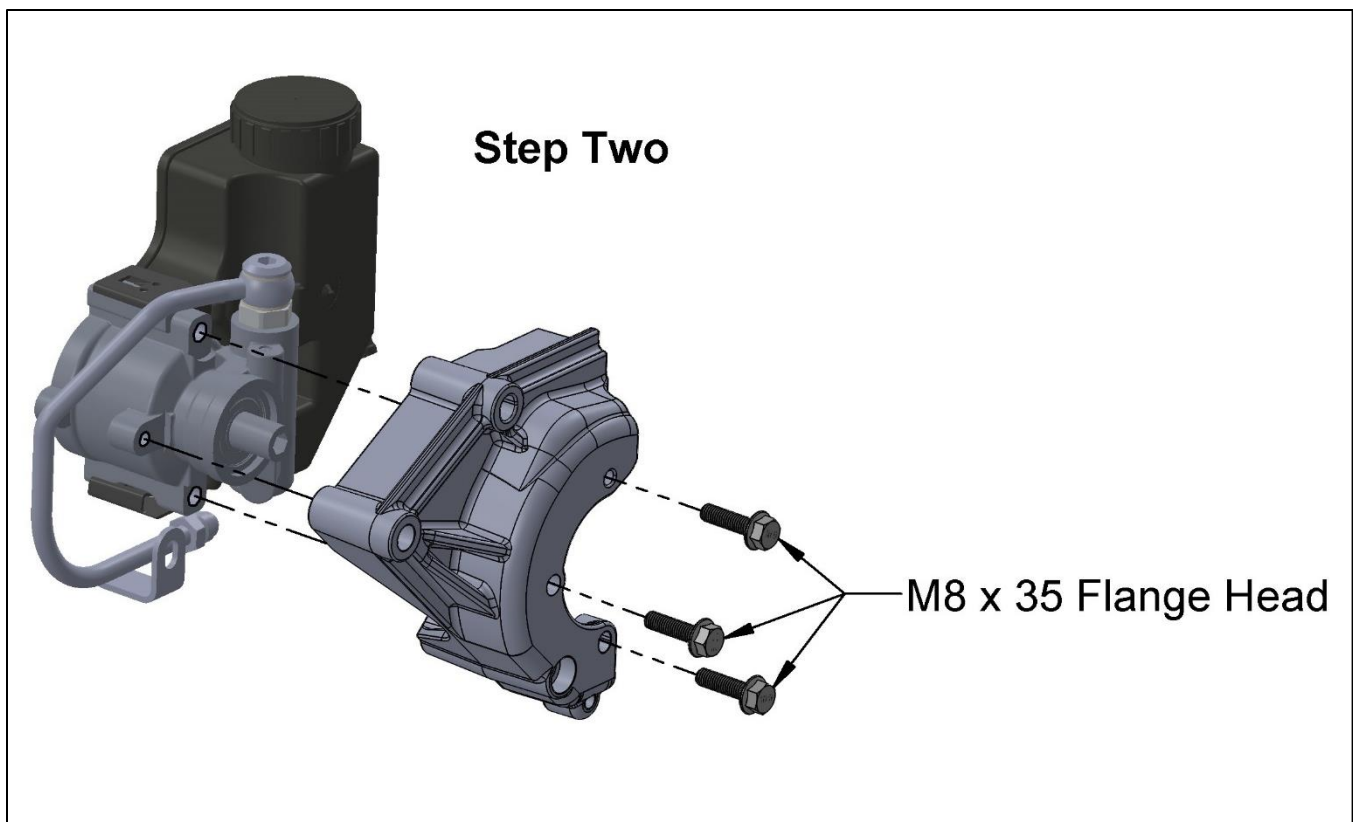
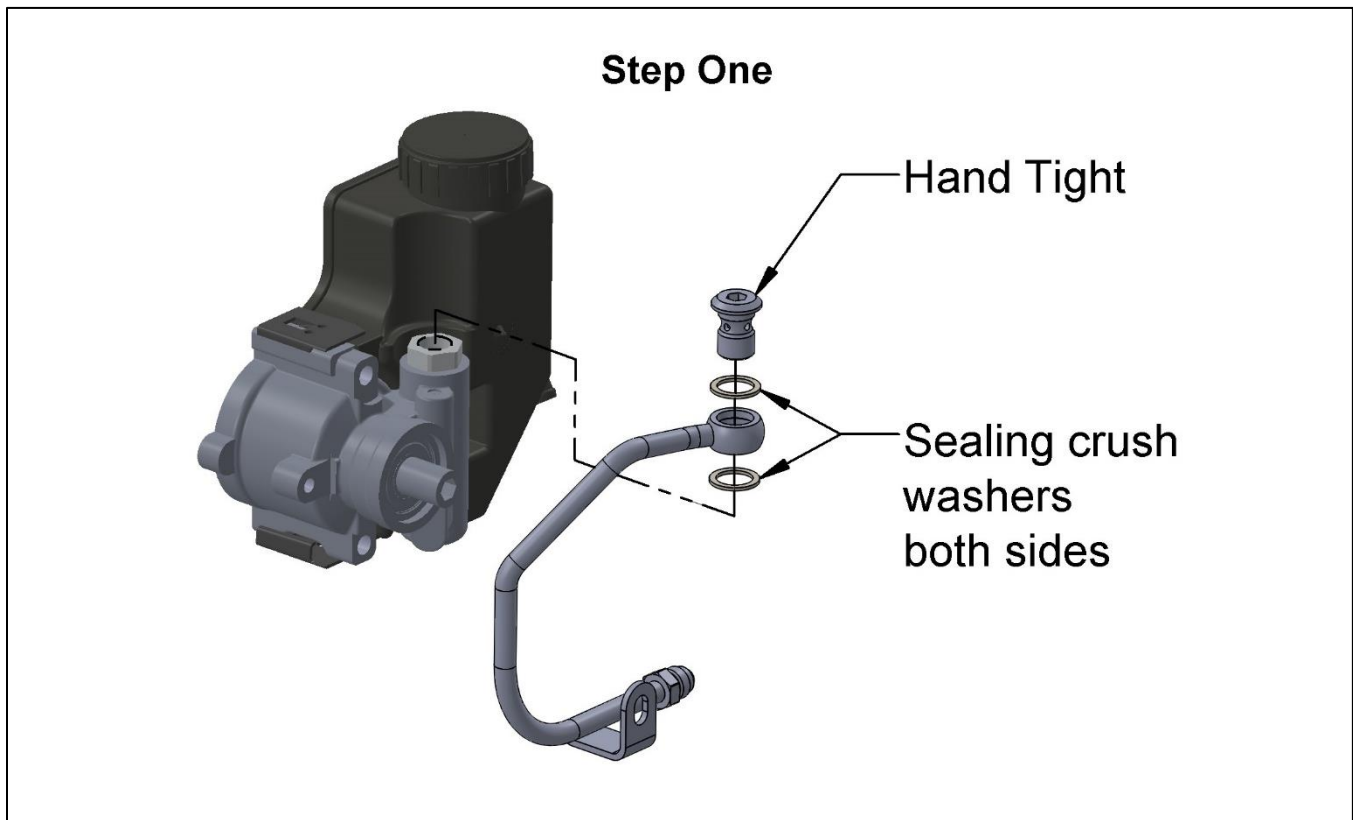
**Helpful hint:** When wiring the alternator, install the included 197-400 plug into the alternator. Next, connect the yellow wire to switched voltage that is “on” when the key is in the run position. If the vehicle has a “charge indicator light”, the yellow wire can be connected to that circuit.



**NOTE:** Torque M10 bolt to 36 ft./lbs.

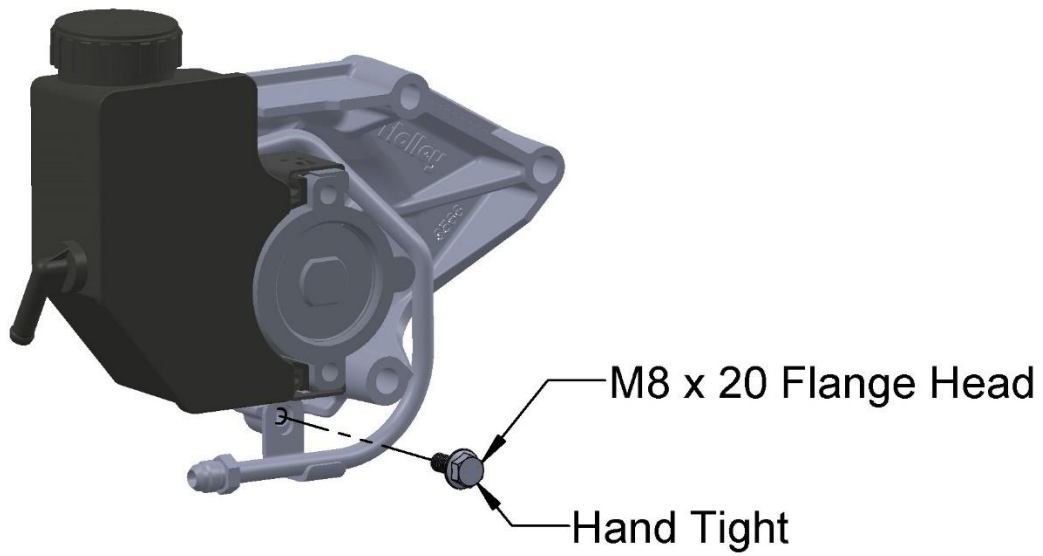
## P/S Pump/Reservoir Installation:

Install the 198-207 power steering AN adapter/tube and assemble at this time.



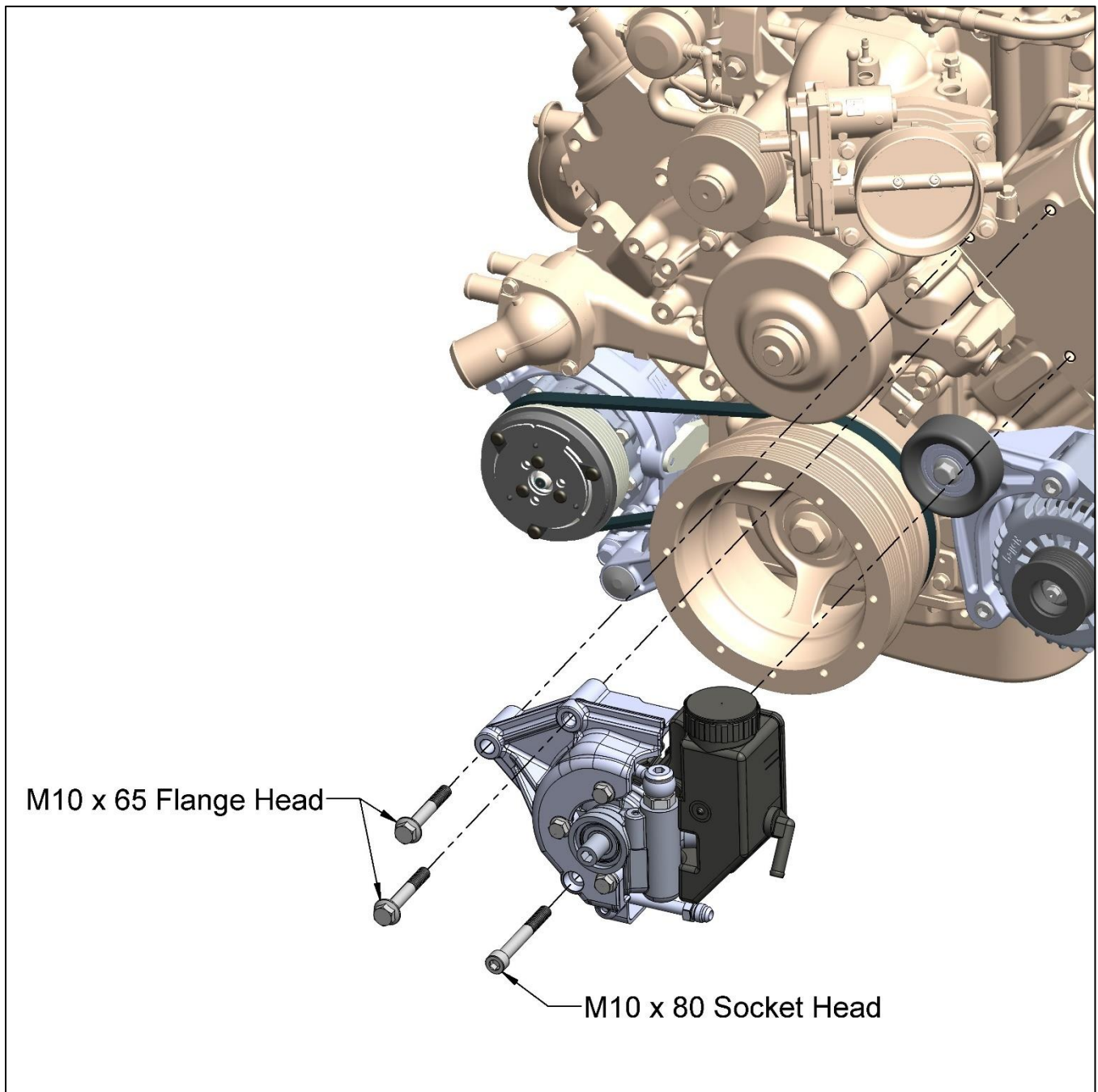


### Step Three



### Step Four

Torque M8 bolts to 18 ft./lbs. and banjo bolt to 25 ft./lbs.

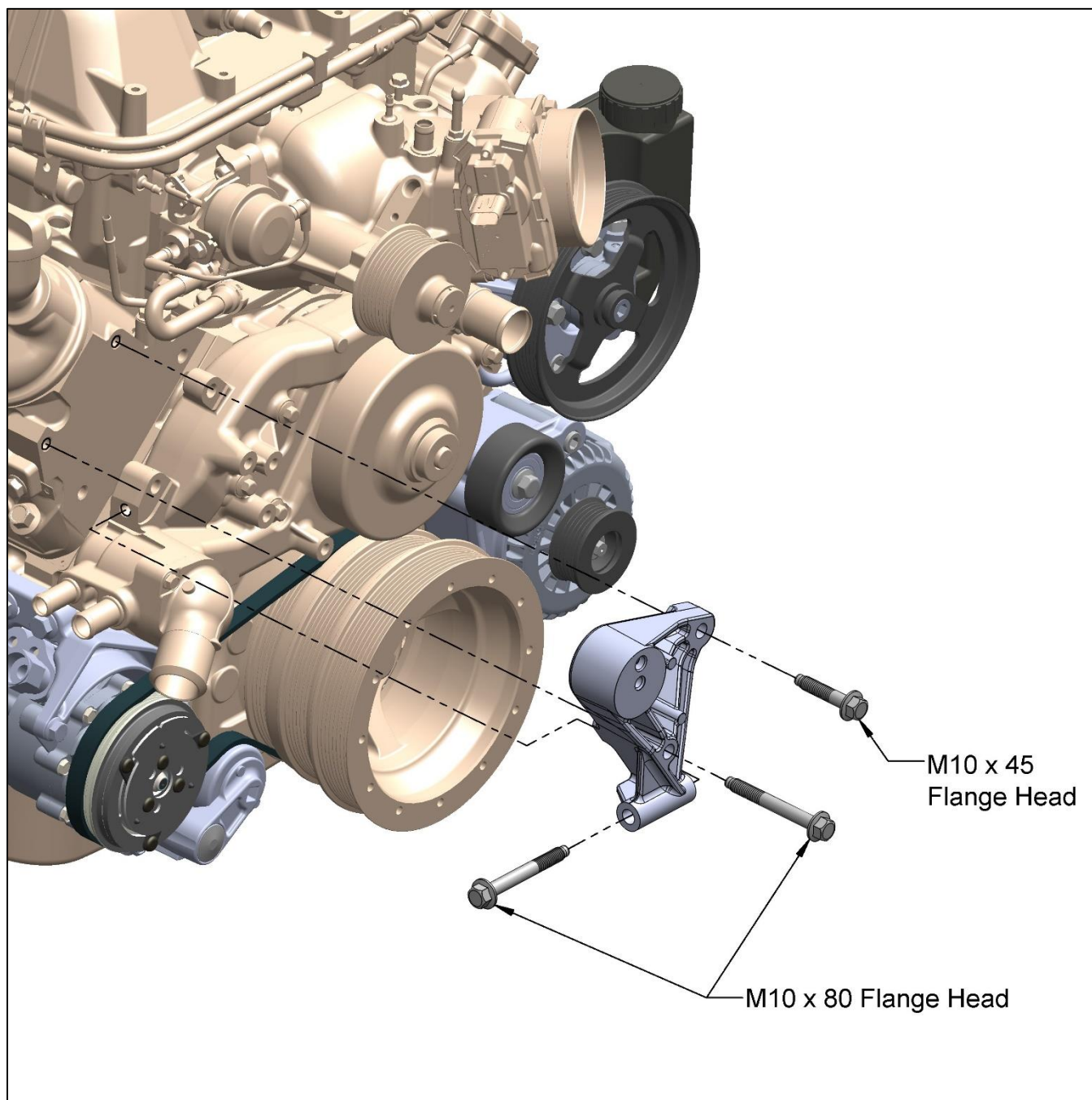


**NOTE:** Torque M10 bolts to 36 ft./lbs.



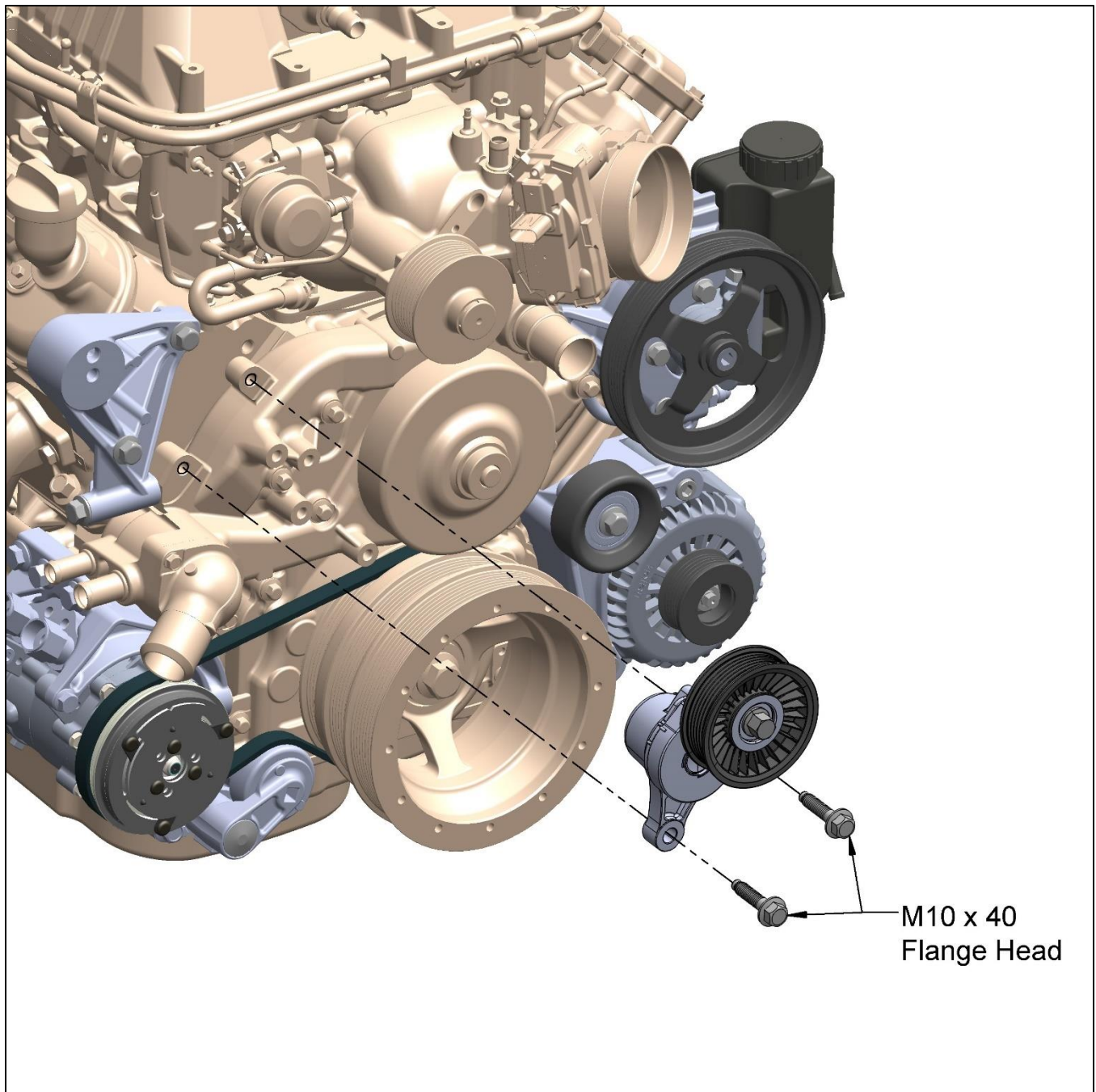
The P/S pulley must be installed using an installation tool that can be rented at most auto parts stores. Incorrect installation of this pulley may damage the P/S pump internals. When installed, the pulley bore face should be flush with the end of the pump shaft.

## Accessory Belt Installation:



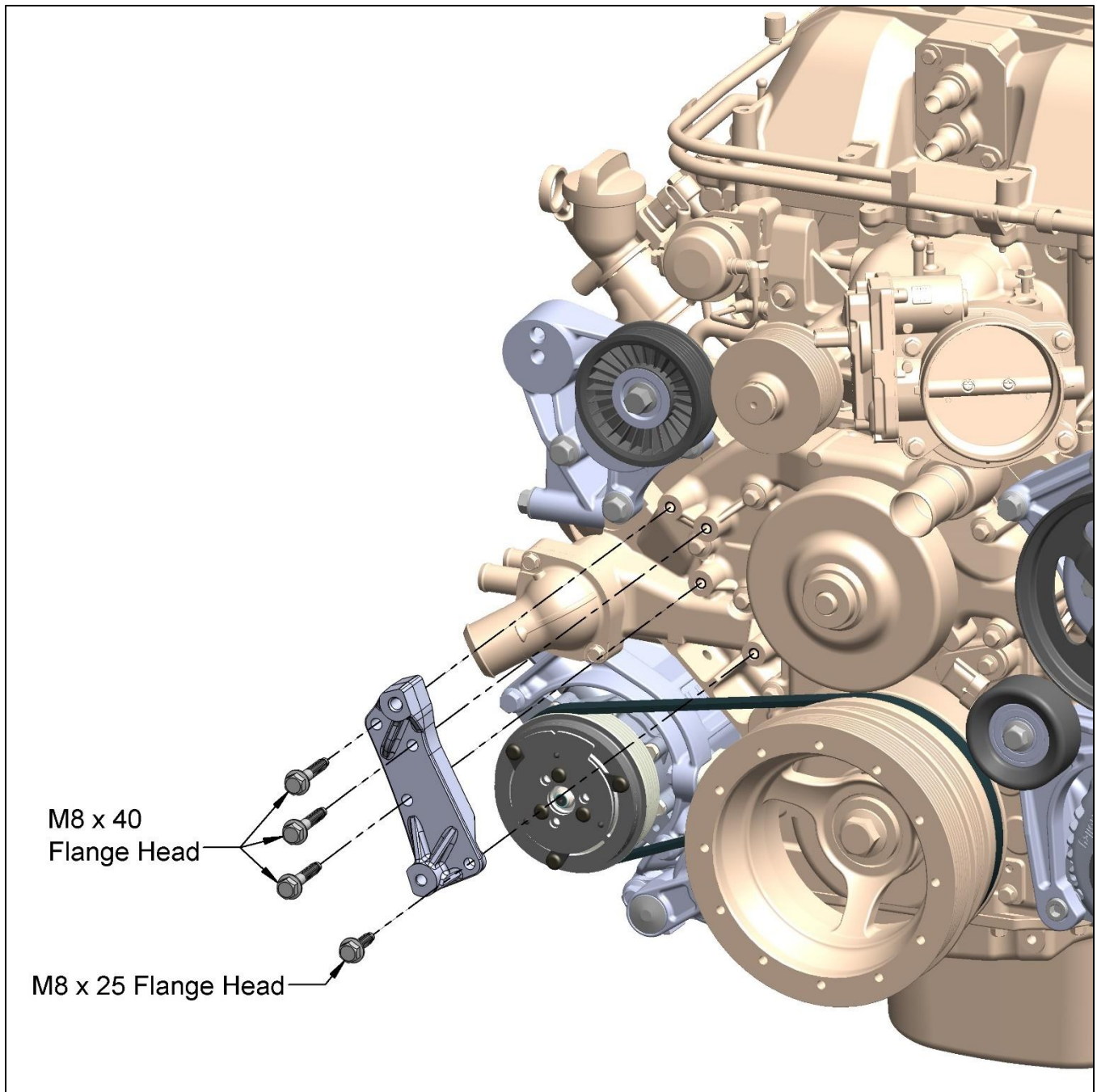
**NOTE:** Torque M10 bolts to 36 ft./lbs.



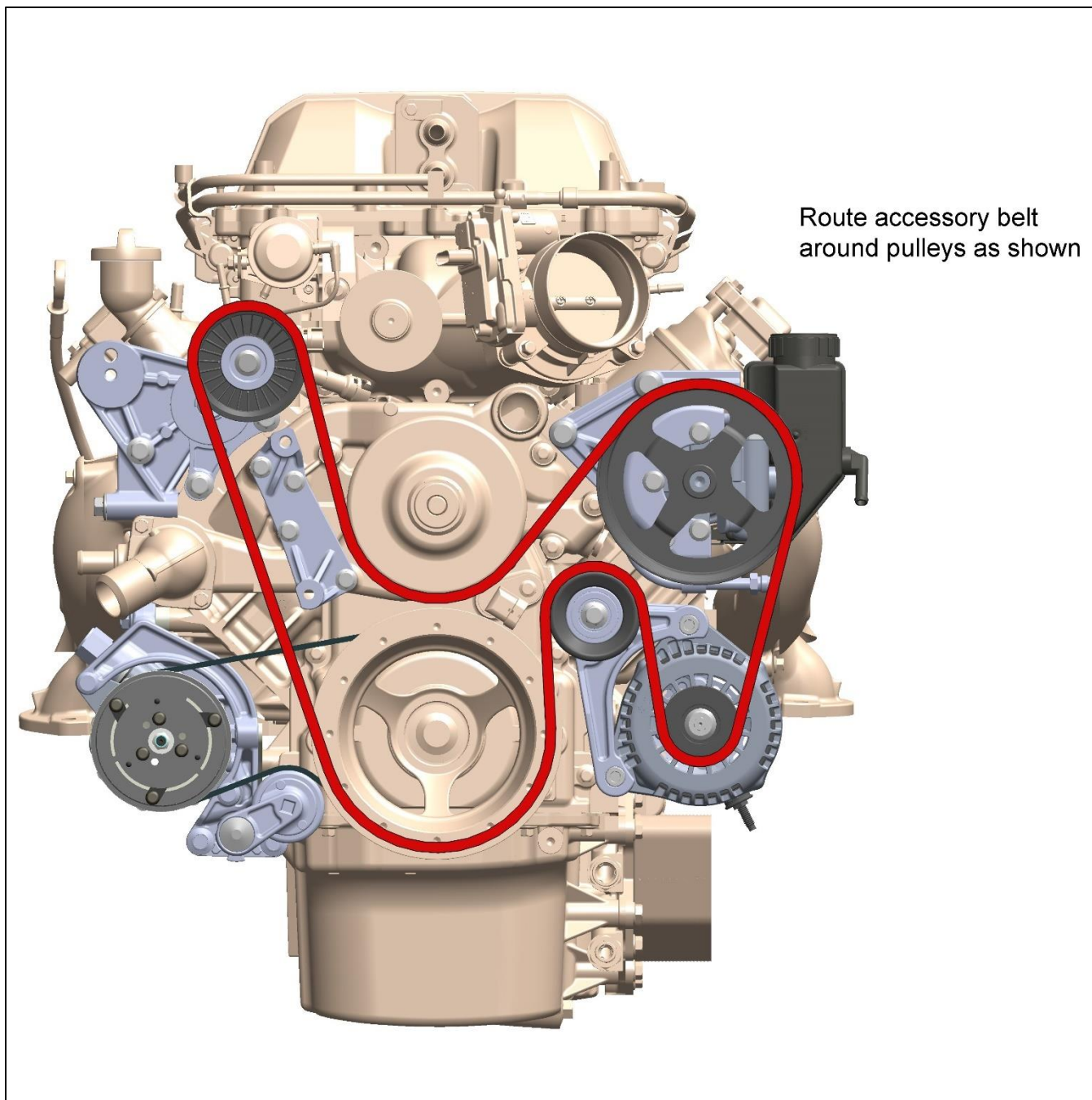


**NOTE:** Torque M10 bolts to 36 ft./lbs.





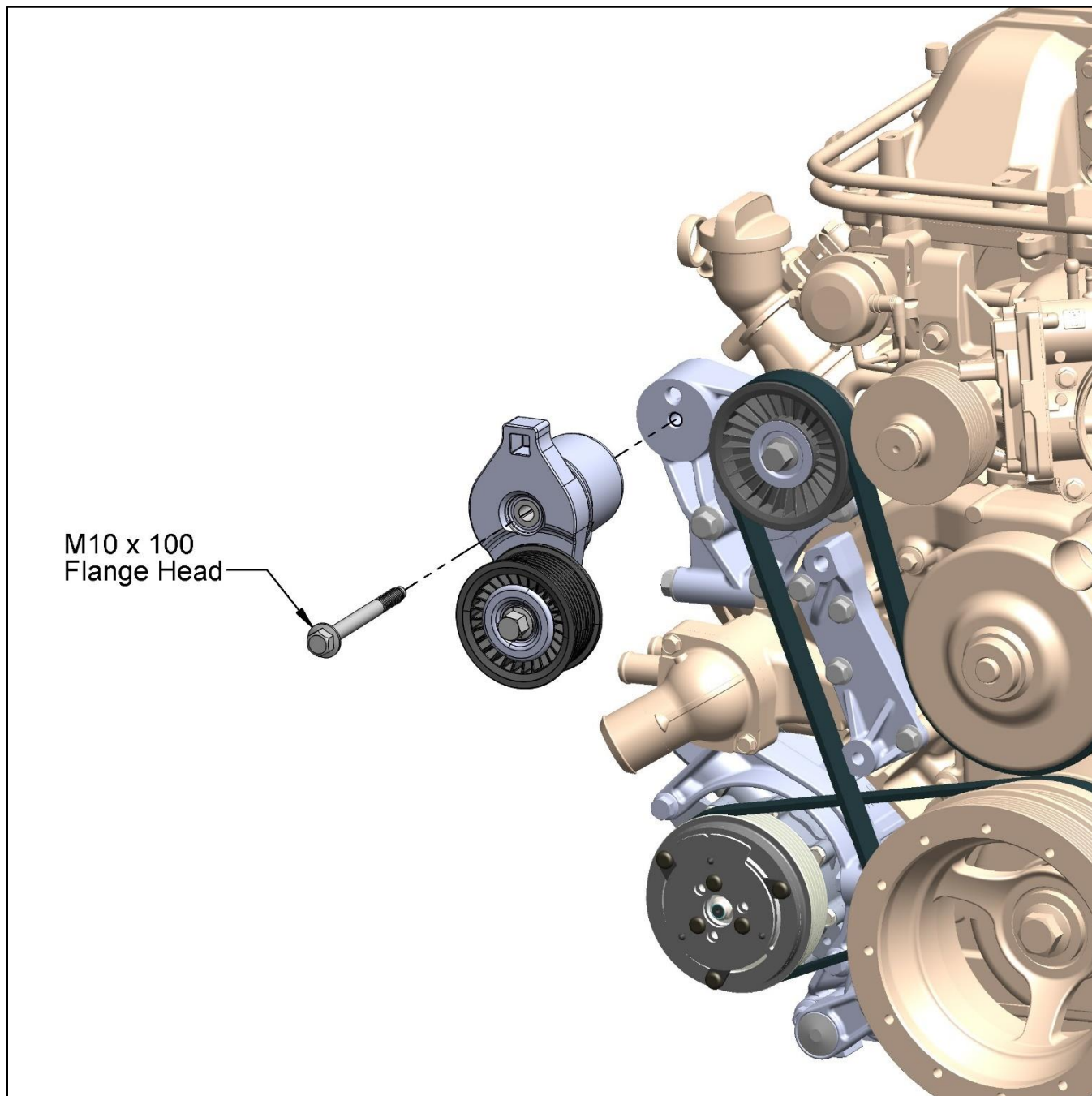
**NOTE:** Torque M10 bolts to 36 ft./lbs.



**HELPFUL HINT:** When installing the belt, route around all the pulleys except the water pump pulley. While fully rotating the tensioner arm, slip the belt on the smooth water pump pulley last.

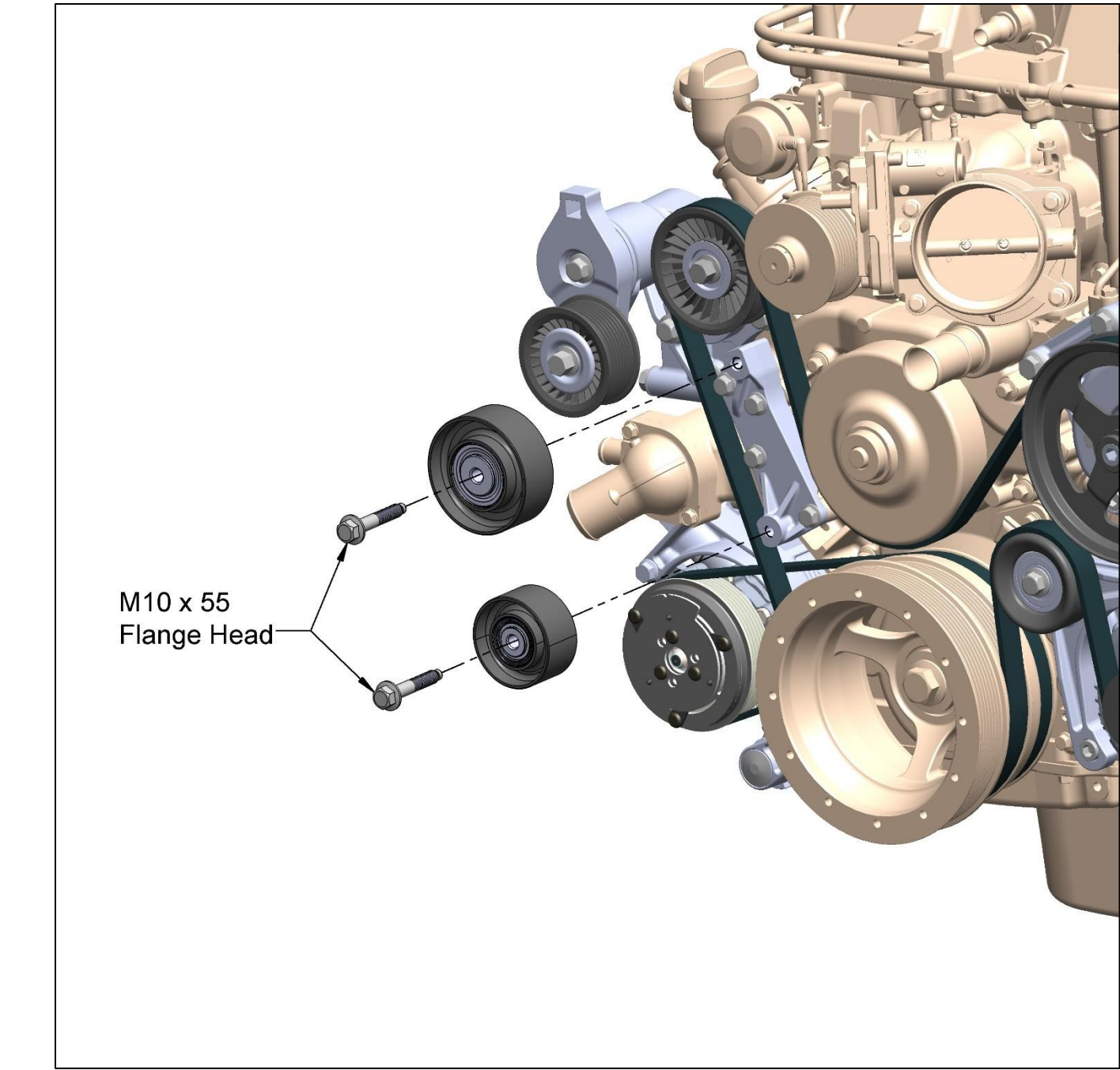
Use serpentine belt supplied if using ALL included Holley accessories and supplemental parts.

## SC Belt Installation:



**NOTE:** Torque M10 bolt to 36 ft./lbs.

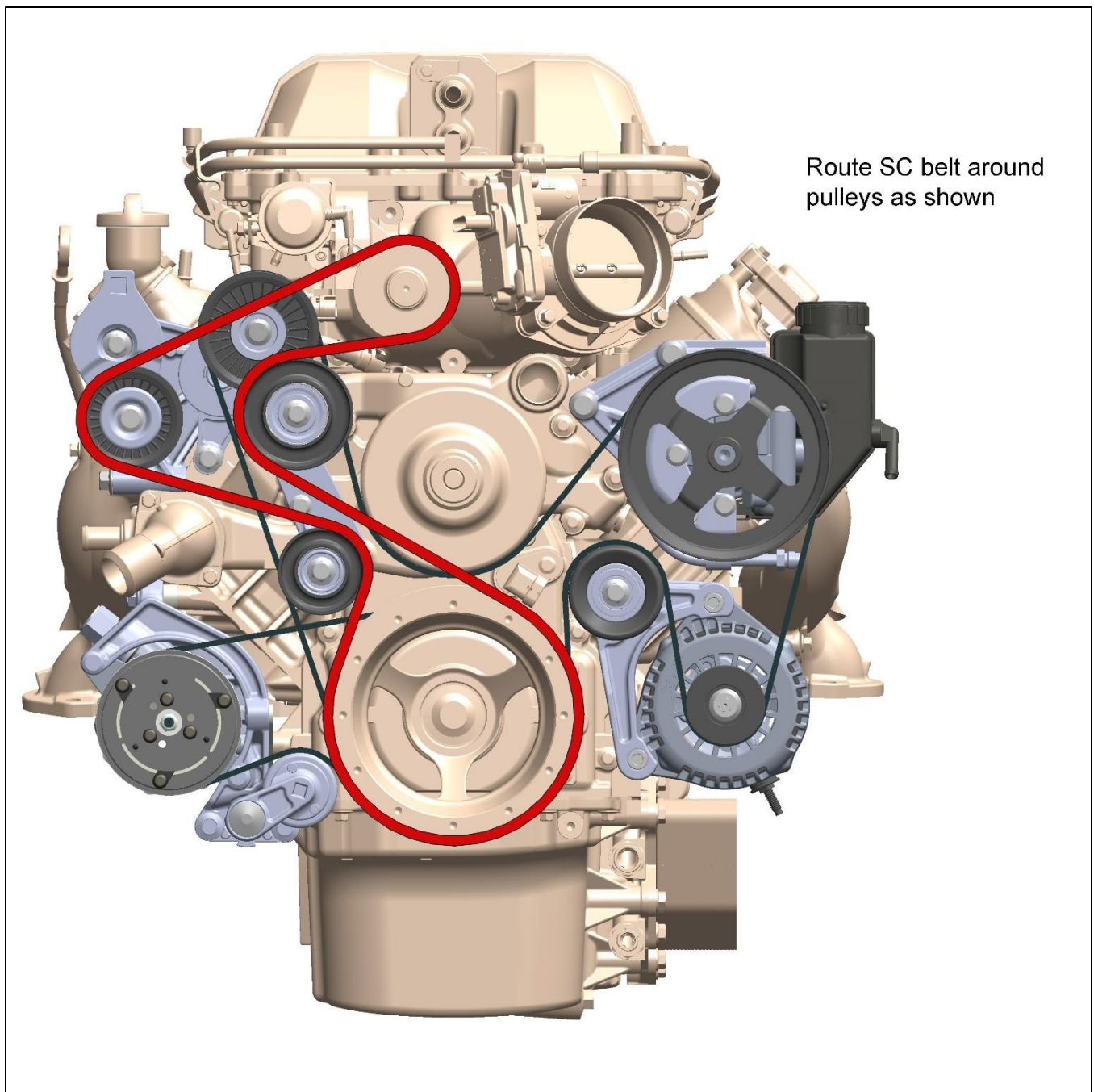




A 3D exploded view of an engine's belt system. The engine block is shown in a light tan color. A dark green serpentine belt is shown in an exploded position, with dashed lines indicating its path around several pulleys. The pulleys include a large crankshaft pulley at the bottom, a smaller idler pulley, and a tensioner pulley. Two M10 x 55 bolts with flange heads are shown in an exploded position, with dashed lines indicating they are used to secure the tensioner pulley. The text 'M10 x 55 Flange Head' is positioned to the left of the bolts, with lines pointing to each of them.

M10 x 55  
Flange Head

**NOTE:** Torque M10 bolts to 36 ft./lbs.



**HELPFUL HINT:** When installing the belt, route around all the pulleys except the large idler pulley. While fully rotating the tensioner arm, slip the belt on the smooth idler pulley last.

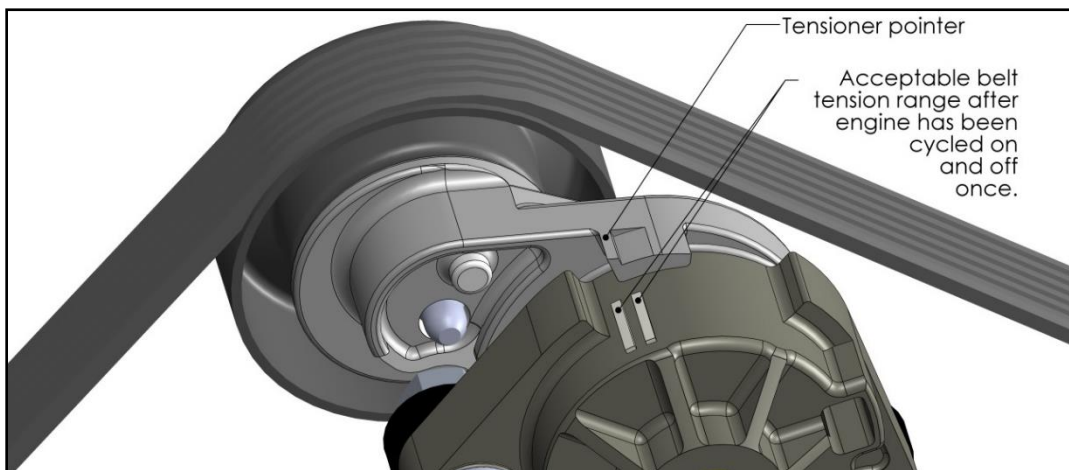


## Belt Length Calculation:

**NOTE:** If you are NOT using all the Holley accessories supplied, or have changed the original crank or any accessory's pulleys, you will have to measure to find the correct belt length.

To acquire this measurement, perform the following:

After all brackets and accessories are installed, route masking tape or string around the belt path. Leave the tensioner in the un-sprung position for this measurement. Mark or cut the tape/string to length and remove from the pulleys. Subtract 1 1/8" (28 mm) from the measured length to compensate for the un-sprung tensioner position. You will need to convert belt length to millimeters if measured in inches (inches X 25.4 = mm). Go to any auto parts store and ask for a 6PK0000 belt with the "0000" being the length in millimeters. For example, if you measured 2493 mm and then subtracted 28 mm, you would get 2465 mm, and the part number would be 6PK2465.



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**Date: 3-11-21**