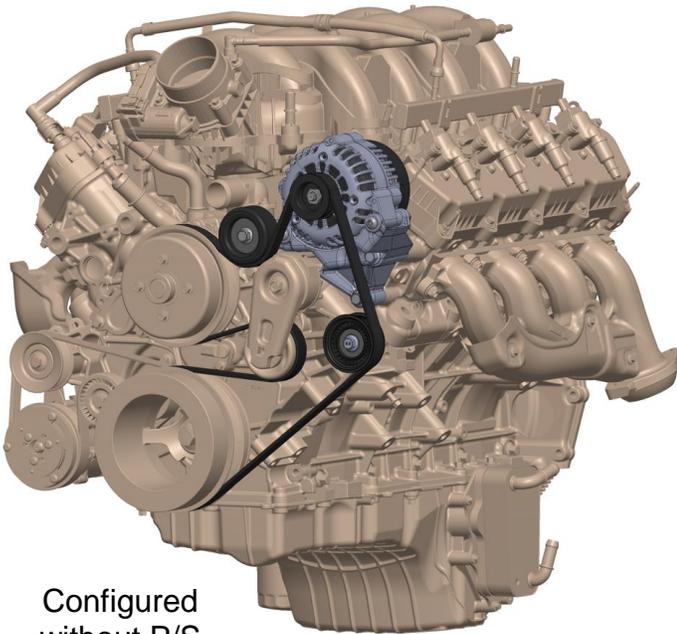
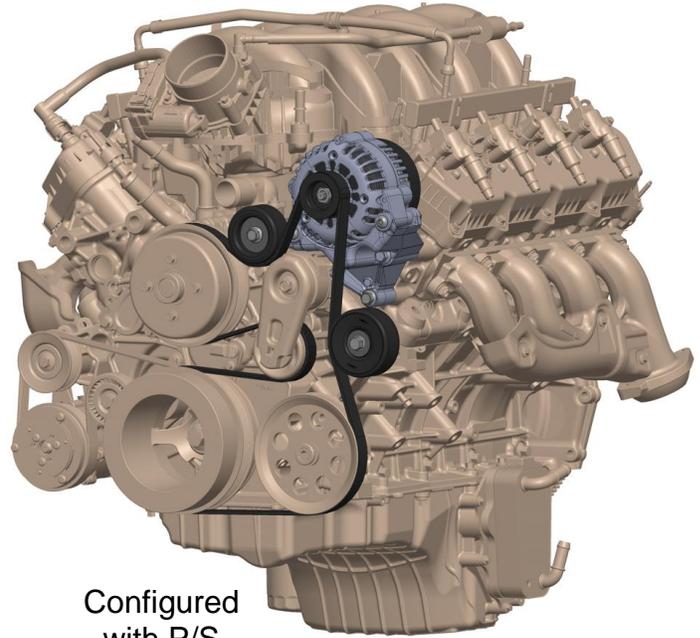




## Holley Alternator Kits



Configured  
without P/S



Configured  
with P/S

### IMPORTANT APPLICATION NOTES:

- This alternator bracket works with the factory intake and factory accessory drive **ONLY**. It does not work with Holley's low-profile intake manifold.
- The drive can be configured with or without the factory power steering and/or factory A/C.

### Covered Products:

Part Numbers	Type	Description
20-380	Complete Kit	Alternator, bracket, belt, and hardware
97-409	Bracket Kit	Bracket and hardware (allows choice of alternator)

This instruction sheet also covers individual components that may or may not be included in the above kits.

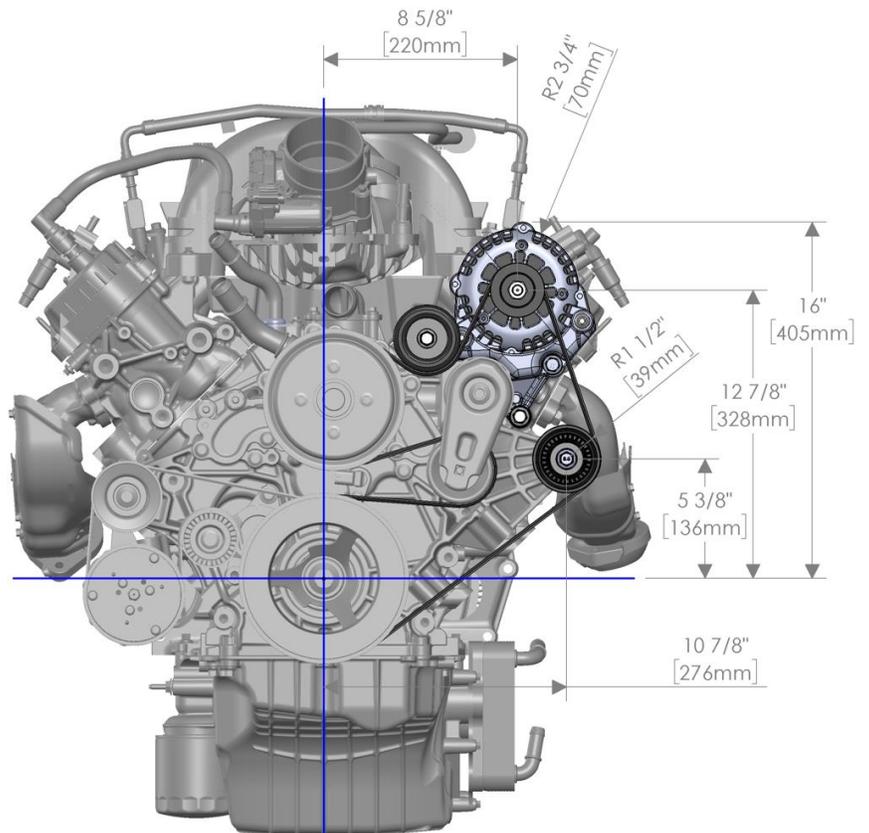
# Table of Contents:

**Dimensions:** ..... 2  
**Introduction:** ..... 3  
**MODULAR ACCESSORY OPTIONS:** ..... 3  
**Alternator Options:** ..... 3  
**Assembly Instructions** ..... 3  
**Alternator to Bracket Assembly:** ..... 4  
**Bracket Assembly Installation:** ..... 4  
**Alternator Wiring:** ..... 5  
**Lower Idler Options:** ..... 5  
**Belt Installation:** ..... 6  
**OPTIONAL ACCESSORIES:** ..... 7  
**Pulley Cover** ..... 7  
**Heater Block-Off:** ..... 7

## Dimensions:

Dimensions are with P/N 197-300 small case alternator.

Large case alternators will be slightly taller.



## Introduction:

Holley's alternator solution for 7.3L Ford has the alternator pulled up and in tighter than other options. The patent pending bracket works with the factory timing cover, water pump, and accessories, and can be configured with or without P/S and/or A/C. This solution works with the original crank pulley, as well as, aftermarket damper/pulleys.

## MODULAR ACCESSORY OPTIONS:

The accessory drive components can be configured in several different ways. For example, deleting the P/S and/or A/C are options. Also, there are alternator options available for different electrical and RPM demands. The 97-409 bracket kit includes the bracket and hardware, but allows the choice of alternator. If you purchased a 20-380 Holley complete kit, the most common, cost effective, alternator is included.

For those choosing their alternator, the part numbers in **BLUE** are your choices and will need to be purchased in addition to your 97-409 bracket kit.

## Alternator Options:

- **197-300** small case 105-amp alternator in natural finish (included with 20-380 complete kit)
- **197-301** large case 130-amp alternator in natural finish
- **197-302** premium small case 150-amp alternator in natural finish
- **197-303** premium small case 150-amp alternator in black finish

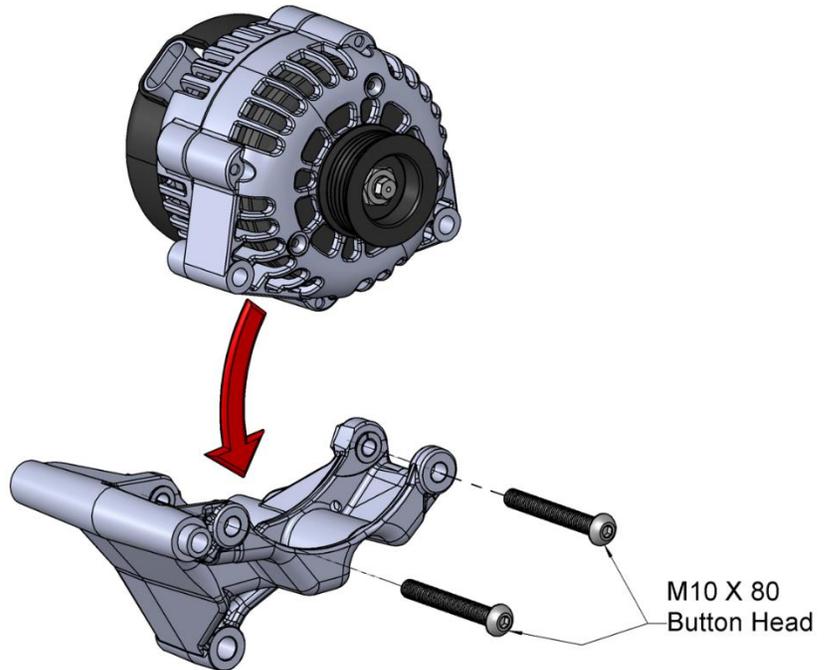
**NOTE:** For race applications with higher than stock peak RPM, it is required to use one of Holley's premium alternators (197-302 or 197-303).

# Assembly Instructions

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

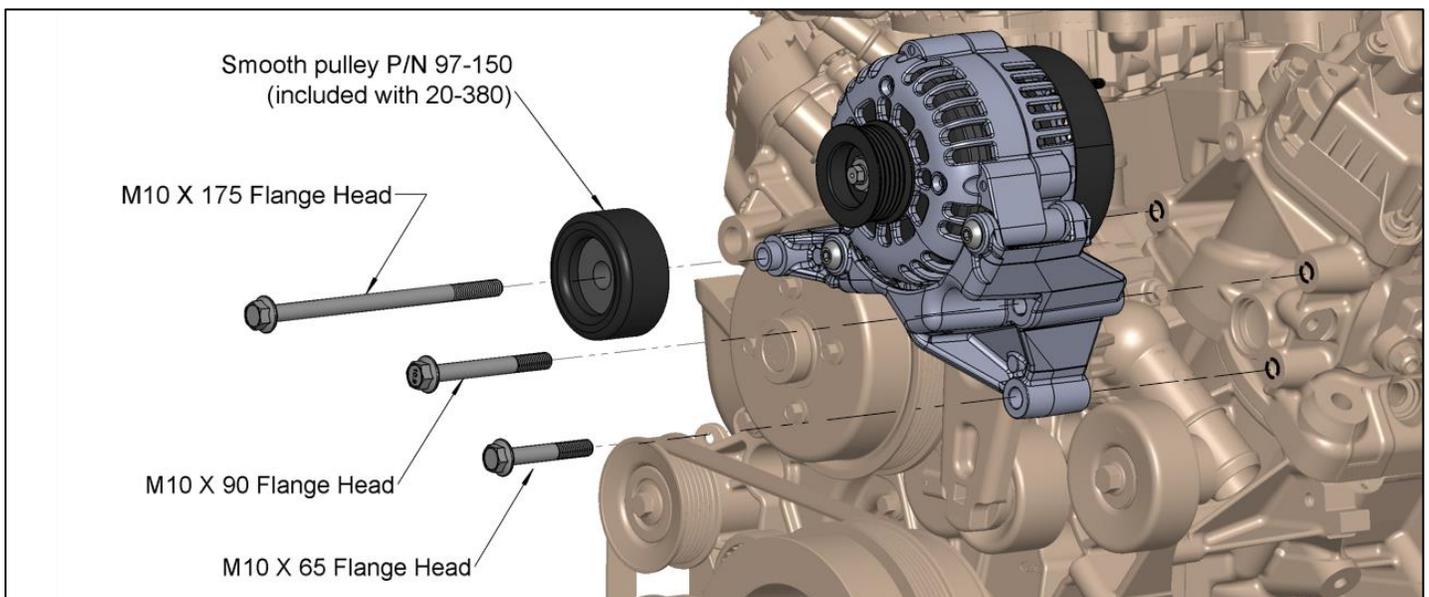
**Alternator to Bracket Assembly:**  
**Components Required – P/N 97-409 bracket and alternator**  
**Alternator Options: 197-300, 197-301, 197-302, -OR- 197-303**

Install alternator to bracket.



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

**Bracket Assembly Installation:**  
**Component Required – 97-150 idler**



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

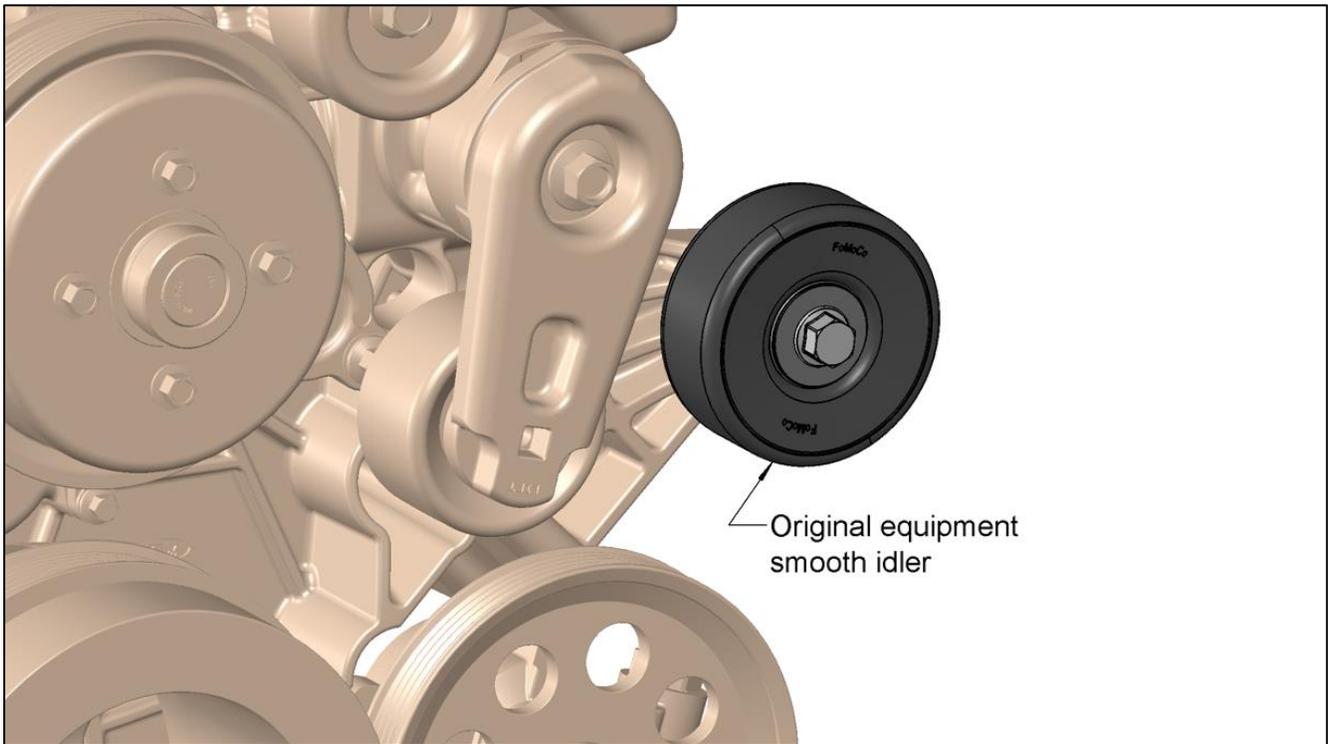
## Alternator Wiring:

**Component Required – P/N 197-400 harness pigtail (included with 20-380 complete kit)**

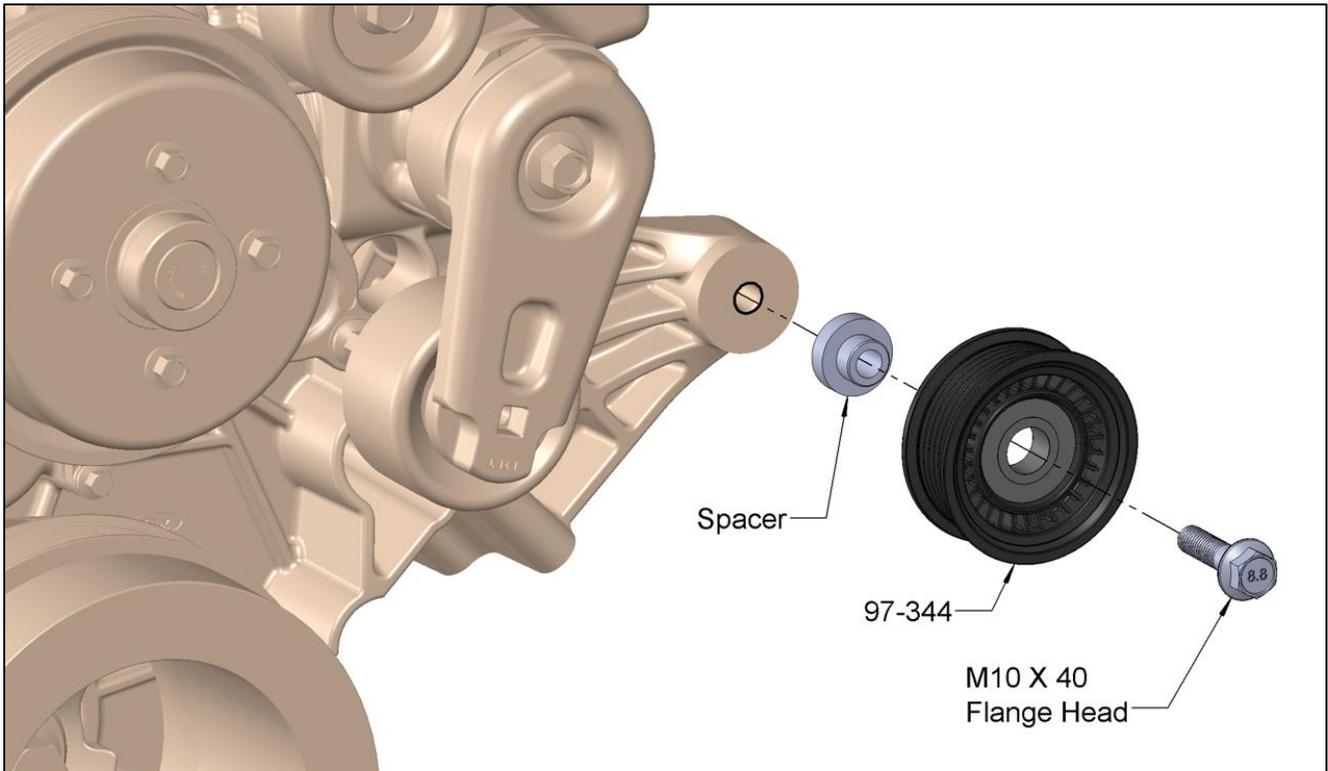
When wiring the alternator, install the 197-400 plug into the alternator. Next, connect the yellow wire to switched voltage that is “on” when the key is in the run position. If the vehicle has a “charge indicator light”, the yellow wire can be connected to that circuit.

## Lower Idler Options:

- If utilizing the low mounted P/S pump, keep the original smooth idler in place.



- For applications deleting P/S, remove the original pulley above. Then, install P/N 97-344 grooved idler in its place.



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

## Belt Installation:

**HELPFUL HINT:** When installing the belt, route around all the pulleys except the upper smooth idler pulley. Slip the belt on the smooth idler pulley last.

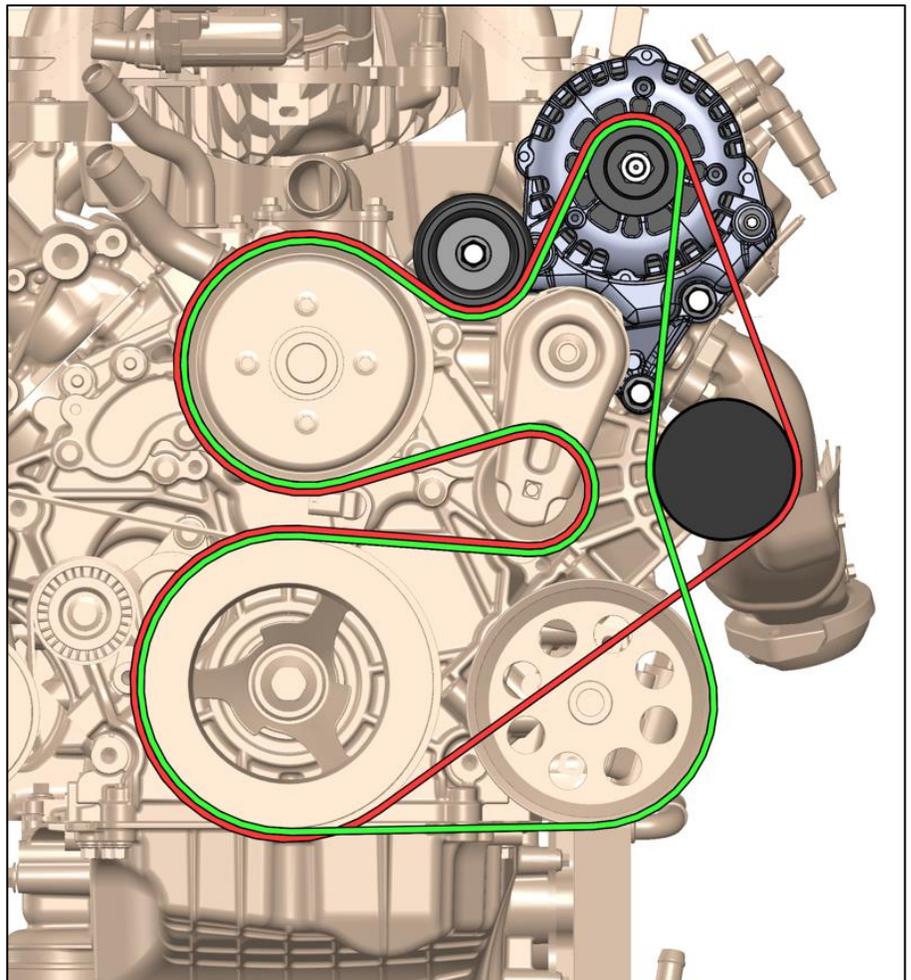
**NOTE:** All below are with a small case alternator. If using a large case alternator, a slightly longer belt will be required.

### Power Steering Delete –

6PK1885 Belt  
(included with 20-380)

### With Power Steering –

6PK1930 Belt

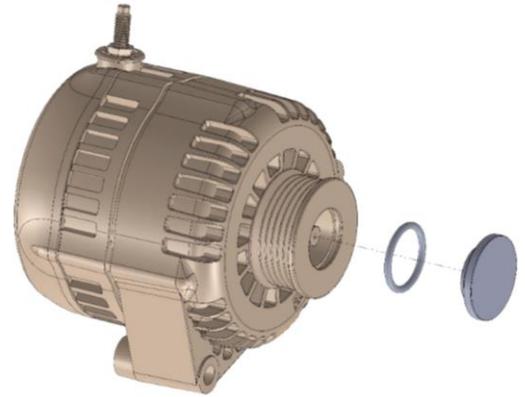


## OPTIONAL ACCESSORIES:

### Pulley Cover

Components – P/N 97-187 alternator pulley cover\*

**NOTE:** \*Alternator cover only works with Holley premium alternators (P/N's 197-302 and 197-303).



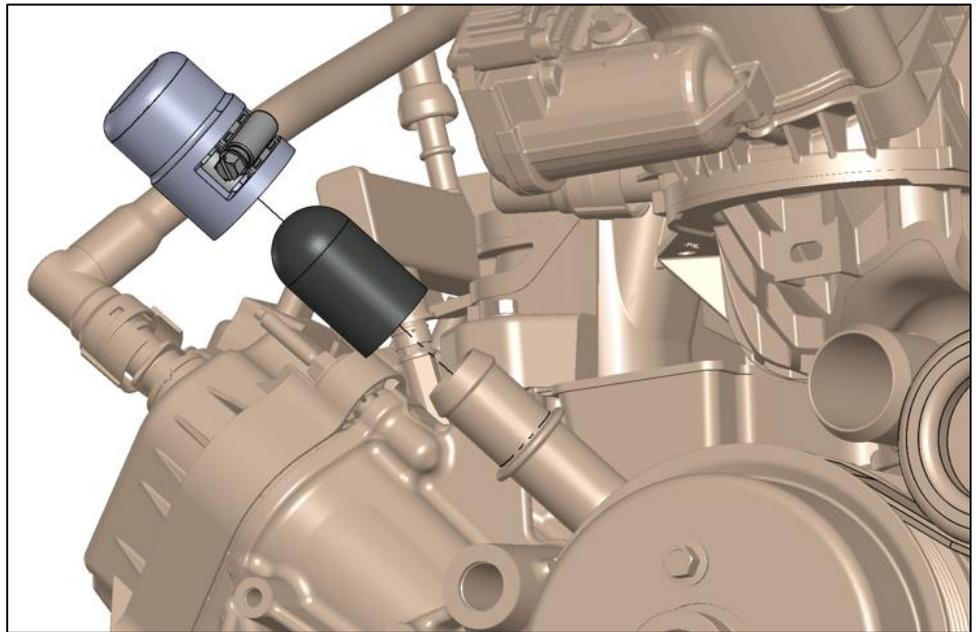
### Heater Block-Off:

Components – P/N 97-425 heater delete kit

For applications not utilizing a heater, the 97-425 block-off kit offers an engine specific solution to close both the connections.

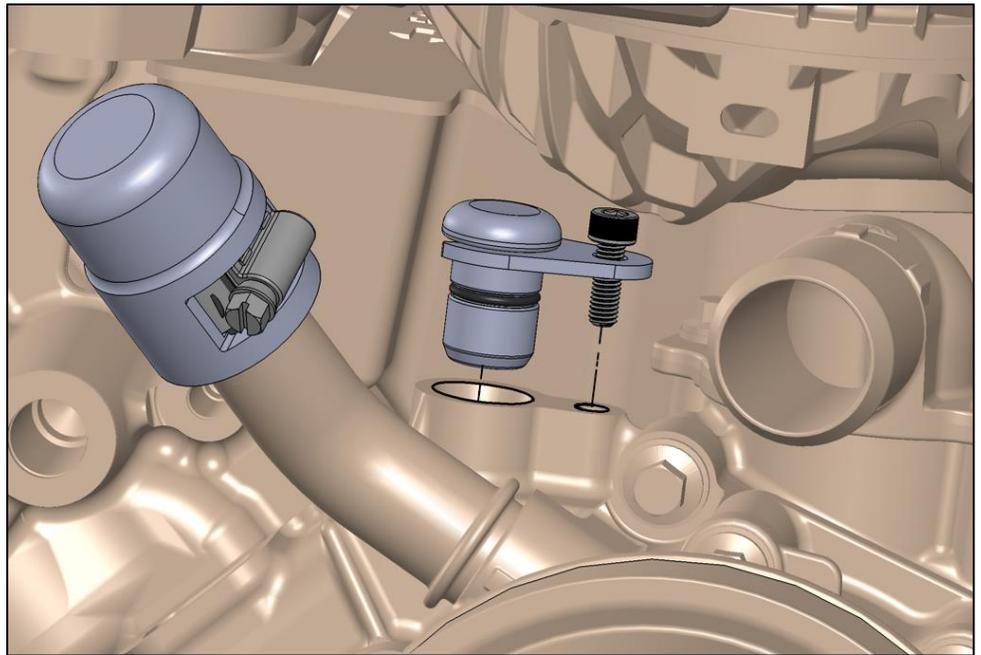
**NOTE:** Maintaining a heater coolant loop is not required for this engine.

Install the rubber cap on the timing cover forward most heater nipple. Next, install the worm-drive clamp inside the aluminum cap as shown to right. Then, install the aluminum cap over the rubber cap and tighten the worm-clamp.



Remove the rearward heater nipple and retaining bolt. Preassemble the remaining 97-425 components as shown to the right. Lubricate and install the O-ring in the plug groove. Install the plug as shown using the retainer plate and M6 socket cap head bolt.

**NOTE:** The included NPT plug is not used for this application.



**NOTE:** Torque M6 bolts to 85 in./lbs

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