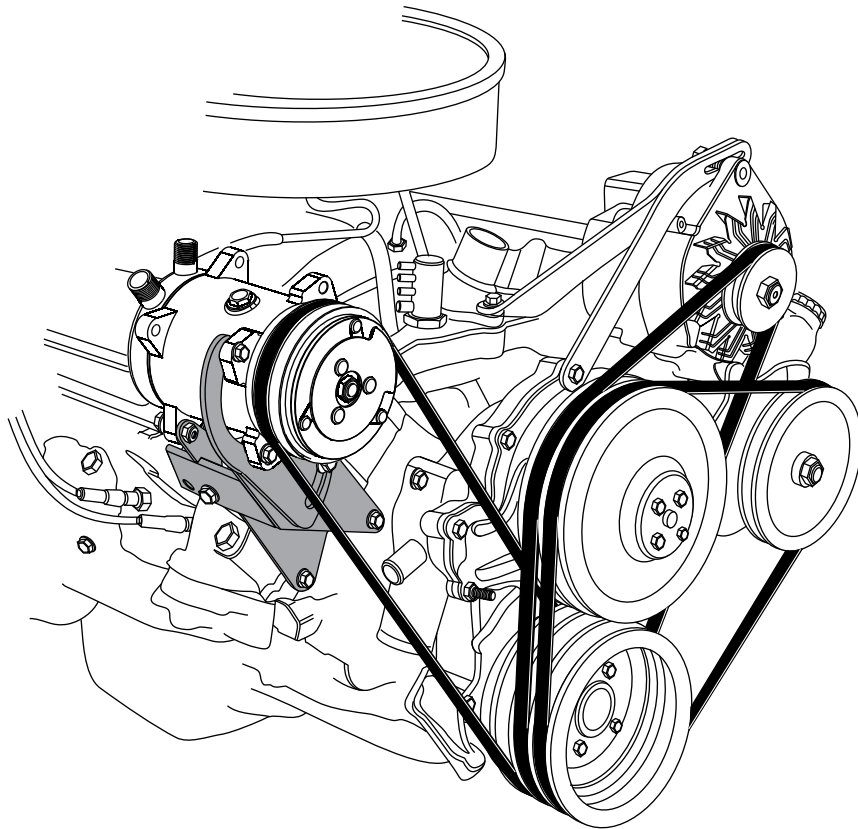




301-455 Pontiac

Passenger Side Compressor Bracket Kit (141001-PPA)



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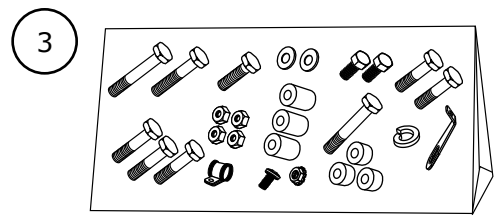
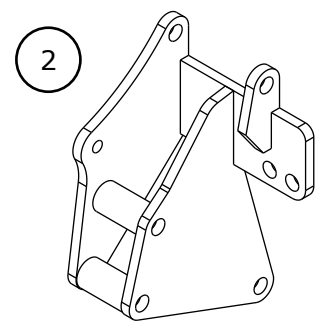
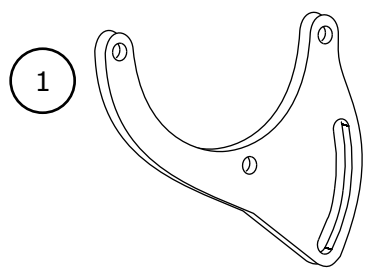


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Packing List: Compressor Bracket Kit (141001-PPA)

No.	Qty.	Part No.	Description
1.	1	146006-SCR	Bracket, Compressor
2.	1	141015	Bracket Assembly, Compressor
3.	1	191003-HPA	Hardware Kit

**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**



NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities.



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NOTE: Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

Compressor Bracket Assembly Installation (without Smog Pump)

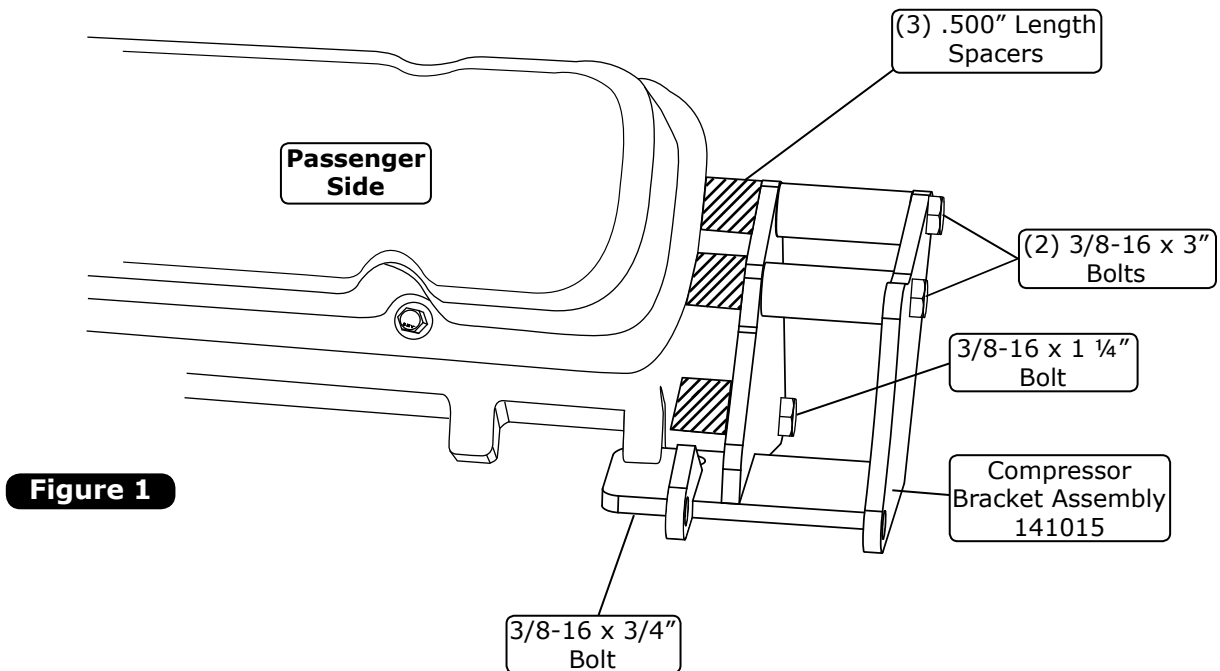
NOTE: Compressor bracket can be installed to front and side of cylinder head, depending upon configuration. Determine which configuration will be used before proceeding.

Option A (Engines without smog pump, with mounting bosses on side of cylinder head):

Install compressor bracket assembly to front and side of cylinder head using (3) .500" length spacers, (1) 3/8-16 x 1 1/4" bolt, (1) 3/8-16 x 3/4" bolt and (2) 3/8-16 x 3" bolts (See Figure 1, below).

Option B (Engines without smog pump, without mounting bosses on side of cylinder head):

Install compressor bracket assembly to front of cylinder head using (3) .500" length spacers, (1) 3/8-16 x 1 1/4" bolt and (2) 3/8-16 x 3" bolts (See Figure 1, below).





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Compressor Bracket Assembly Installation (with Smog Pump)

NOTE: The smog pump forces fresh air through the smog pump bracket and into the front of the cylinder head. The compressor bracket assembly bolts onto the front surface of the smog pump bracket. If your engine is equipped with a smog pump, but is not equipped with a smog pump bracket on the front surface of the passenger side cylinder head as shown in Photo 2, below, please contact Vintage Air for assistance.

Option C

Install compressor bracket assembly to the front of the smog pump bracket and the side of the cylinder head using (1) 3/8-16 x 3/4" bolt and (2) 3/8-16 x 3" bolts (See Figure 2, below).

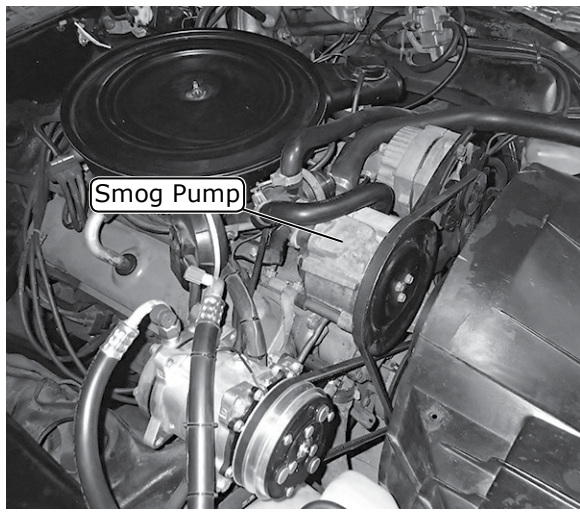


Photo 1

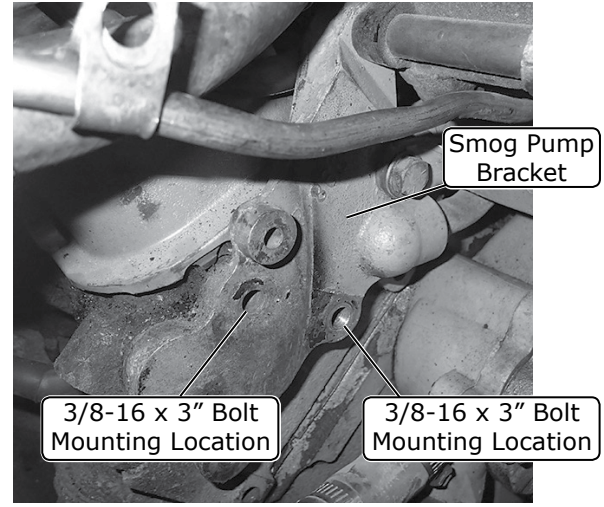


Photo 2

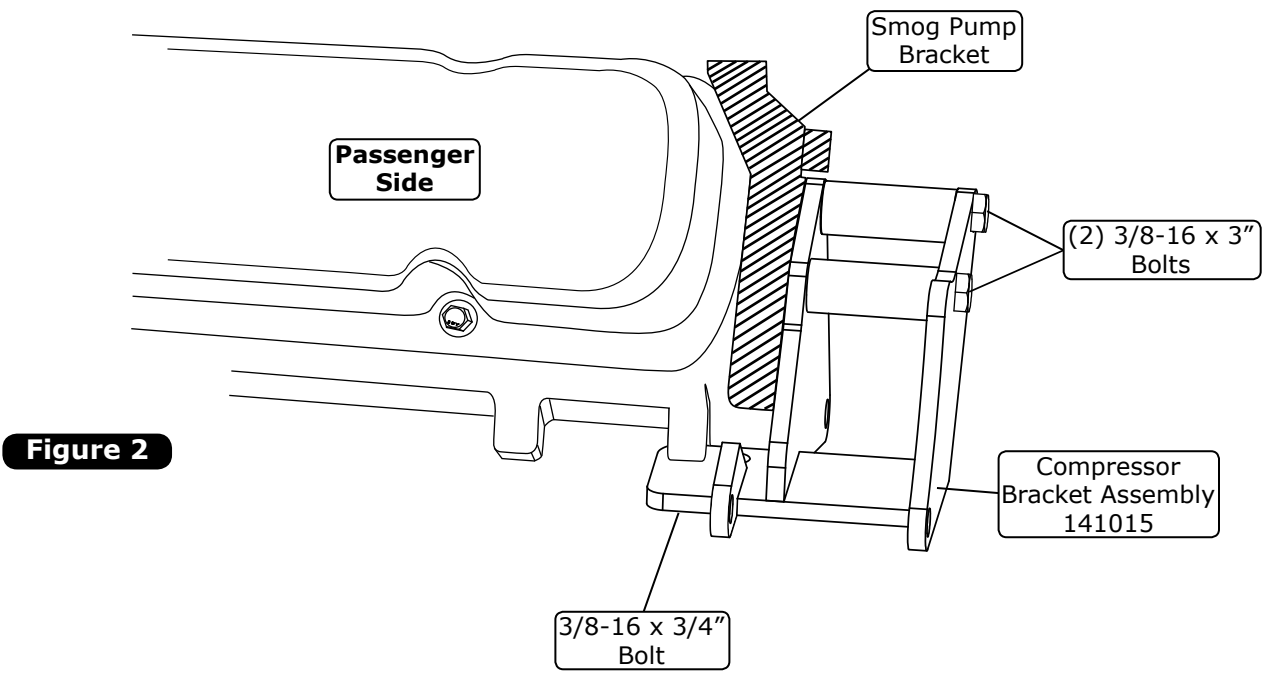
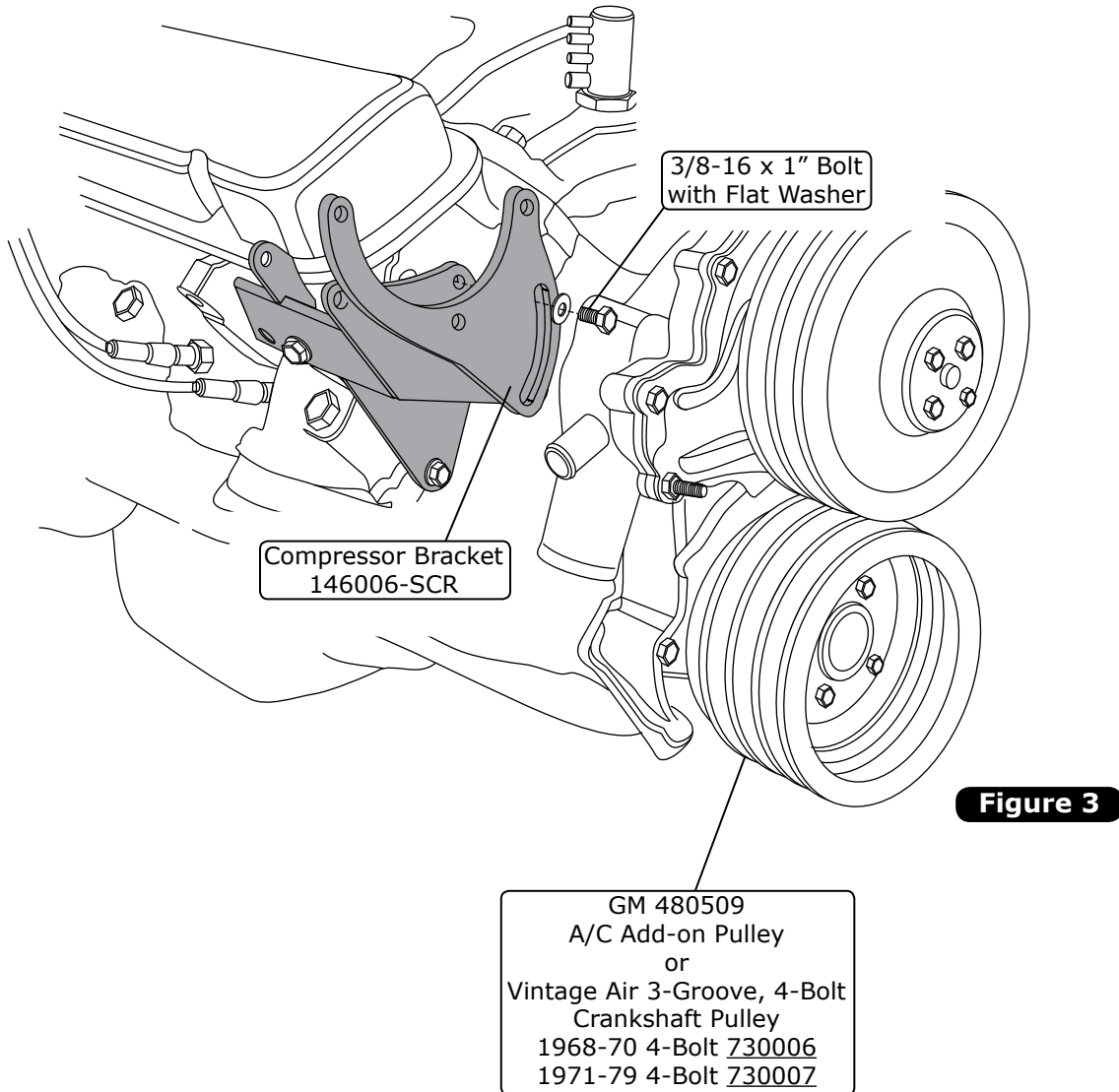


Figure 2

Compressor Bracket Installation

1. Install the compressor bracket as shown in Figure 3, below. Secure using a 3/8-16 x 1" bolt with flat washer.



Compressor Installation

1. Install the compressor as shown in Figure 4, below. Secure using (3) 3/8-16 x 1 1/2" bolts with locknuts and (1) 3/8-16 x 2" bolt with locknut (See Figure 4, below). **NOTE: Compressor mounts on the front side of the bracket. Install the bolts through compressor, then through the bracket.**

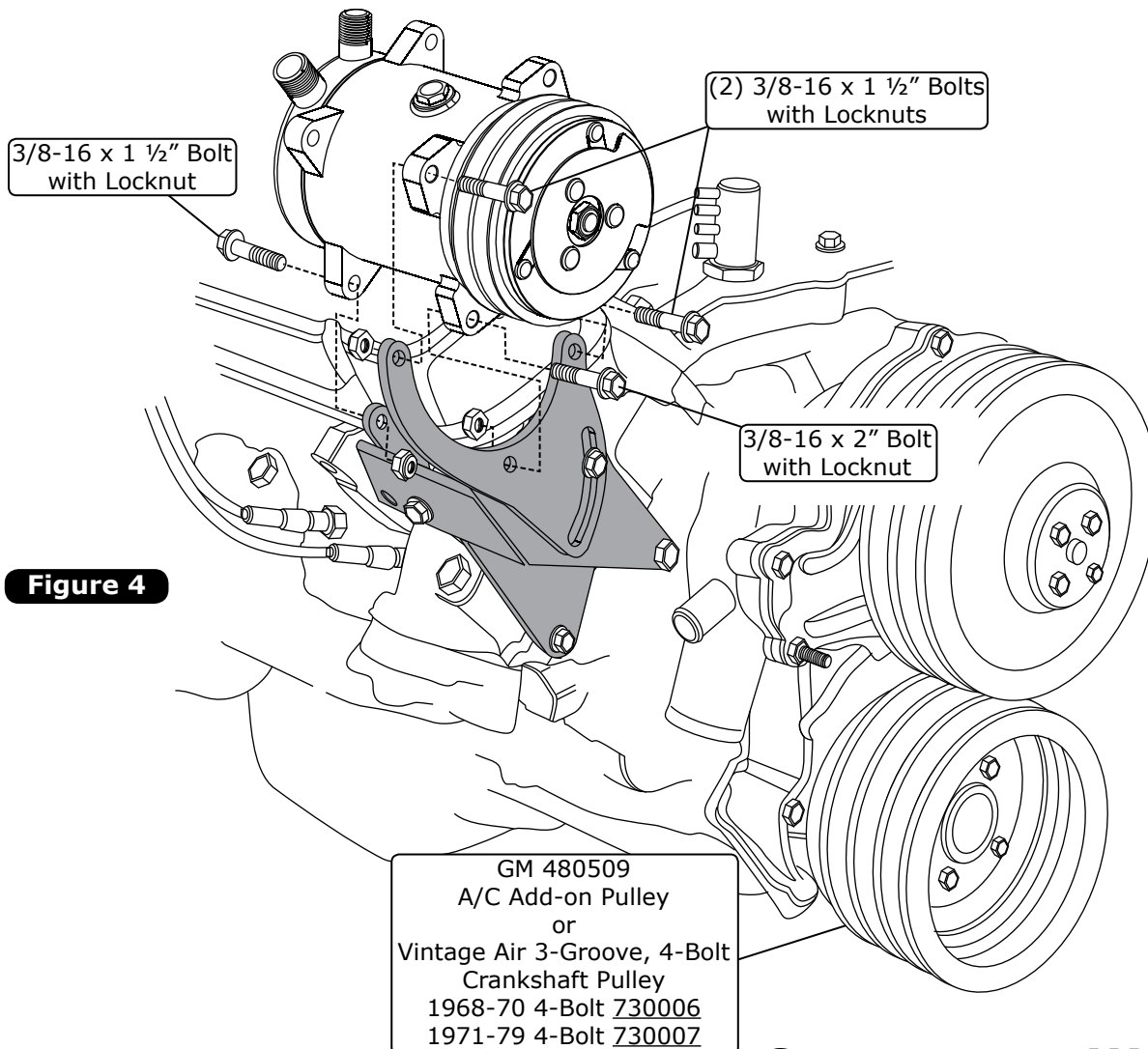


Figure 4

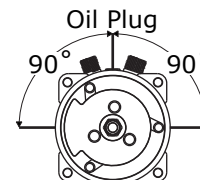
Compressor Warnings

NOTE: Failure to follow these procedures may void all warranties.

1. With compressor kit installed, and belt tightened, check angle of oil plug on compressor. As shown below, oil plug must not exceed 90° beyond vertical centerline.
2. Do not connect compressor clutch wire until system is being charged with refrigerant. Running compressor without refrigerant charge may result in compressor failure.

IMPORTANT NOTICE:

- Do not connect compressor clutch wire until system is being charged with refrigerant. Since an A/C system relies on refrigerant to circulate lubricant, running the compressor without refrigerant may destroy the compressor and void the warranty.
- Proper compressor orientation is important. Sanden compressors may be rotated from vertical (oil fill plug at top) up to 90° in either direction (See illustration).



Belt Routing

1. Route belts as shown below and tighten. Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this compressor bracket kit. Compressor belt length of 57 to 58 inches is recommended. However, this can vary with the diameter of your crankshaft pulley.

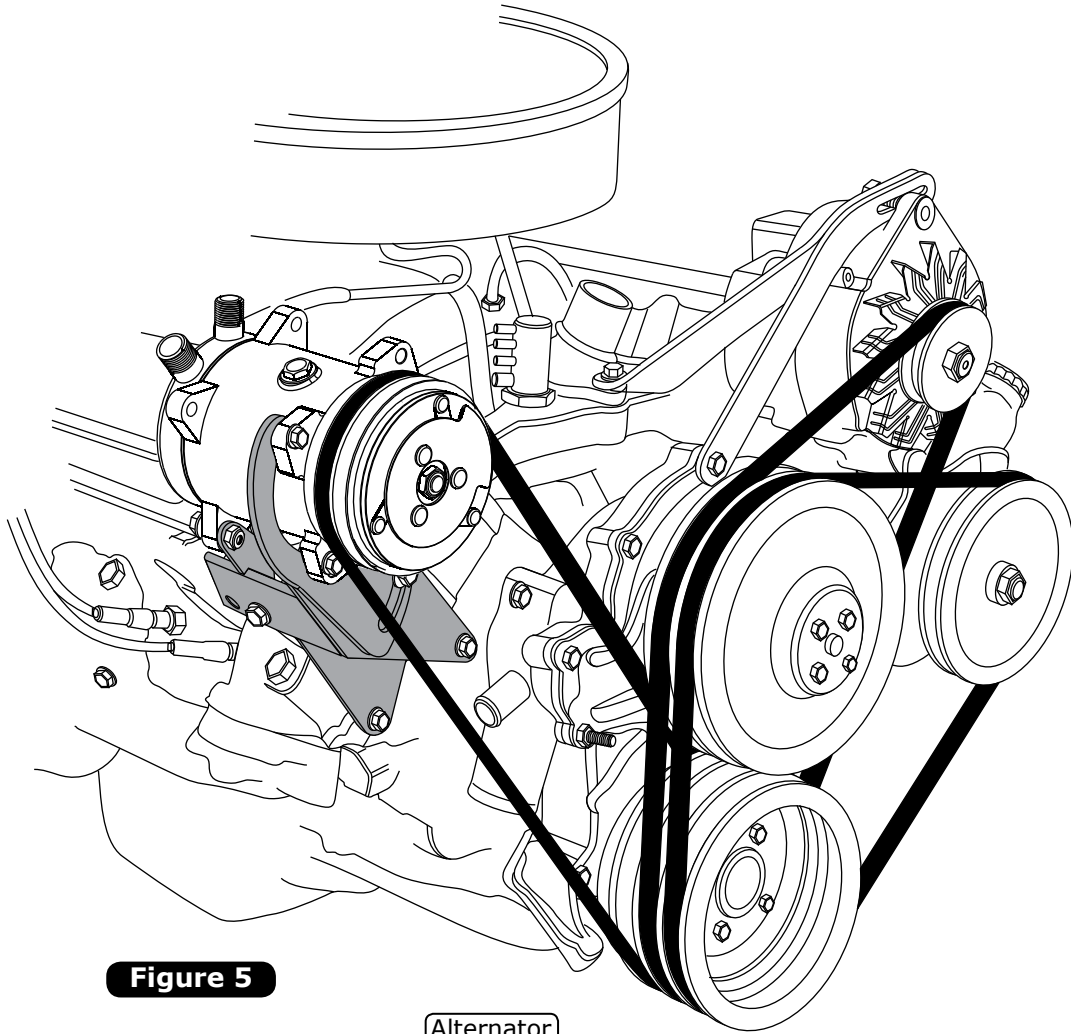
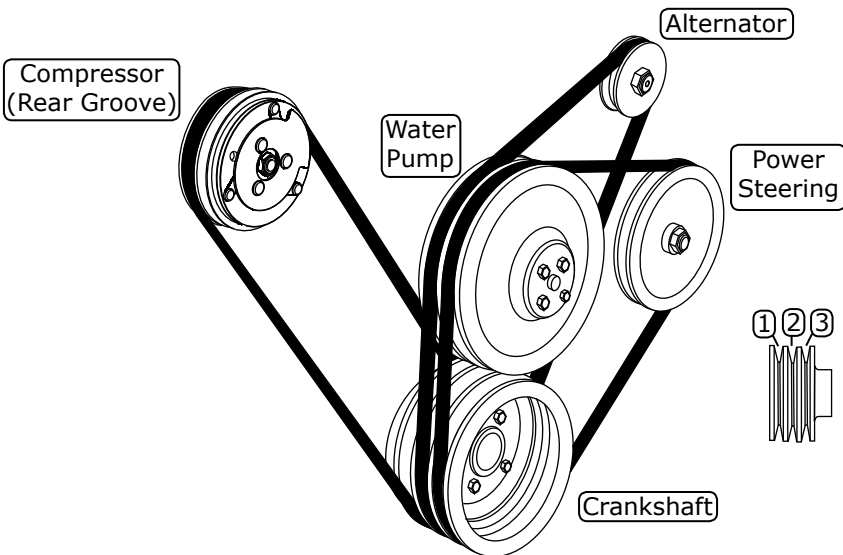


Figure 5



- Crankshaft Pulley Grooves:**
1. Crankshaft, Power Steering and Water Pump
 2. Crankshaft, Water Pump and Alternator
 3. Crankshaft and Compressor



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Compressor Bracket Assembly Installation (for 1964-67 Pontiac with Factory Air, Power Steering, 2-Groove Water Pump Pulley and 2-Groove, 6-Bolt Crankshaft Pulley)

1. Install compressor bracket assembly as shown in Figure 6, below.

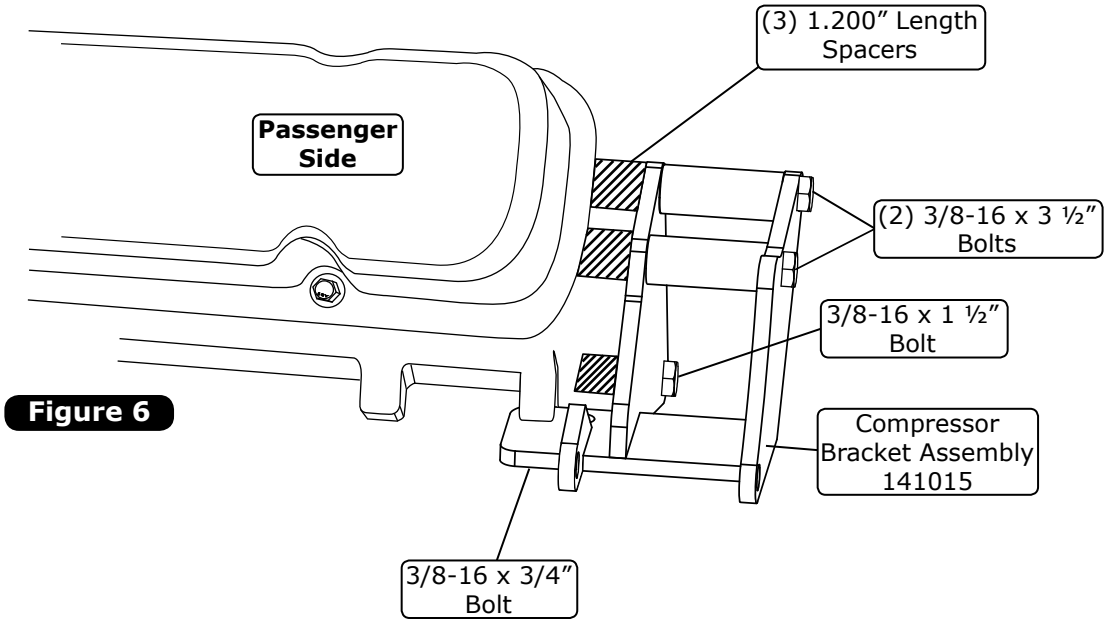
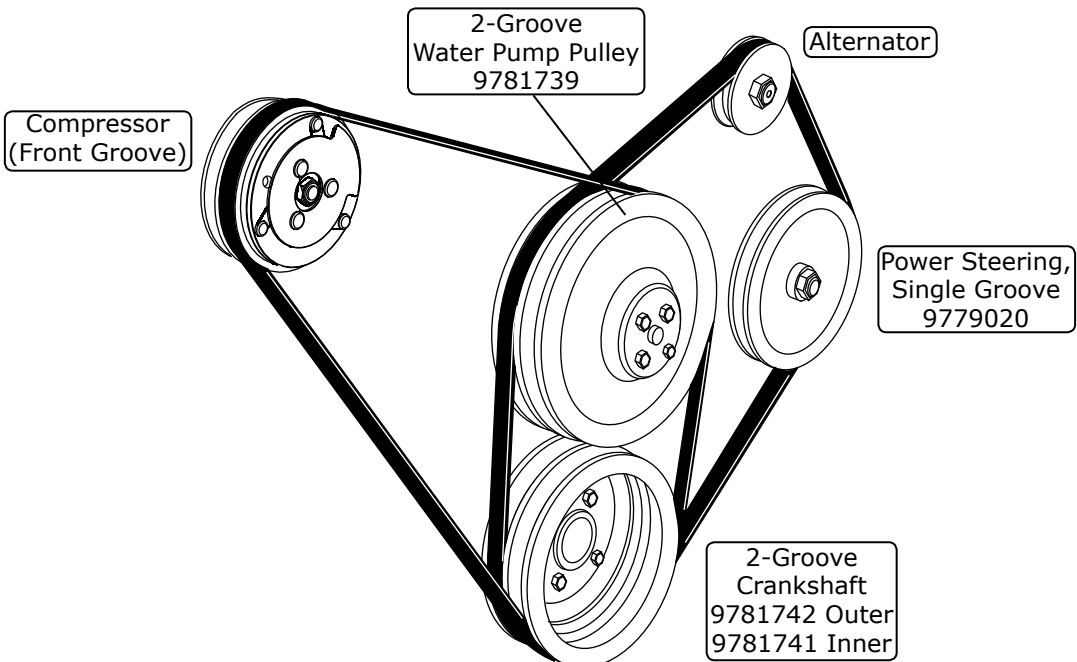


Figure 6

Belt Routing

1. Route belts as shown below. Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this compressor bracket kit.



Oil Dipstick Bracket Support Installation (If Necessary)

1. On some engines, the oil dipstick is located on the passenger side, behind the compressor. In such cases, install the provided support bracket as shown in Figure 7 and Photo 3, below. **NOTE: The dipstick support bracket mounts to the 3/8" bolt hole in the passenger side cylinder head mounting boss that is present on most engines. If there is no boss present, it will be necessary to make other provisions to secure the dipstick.**

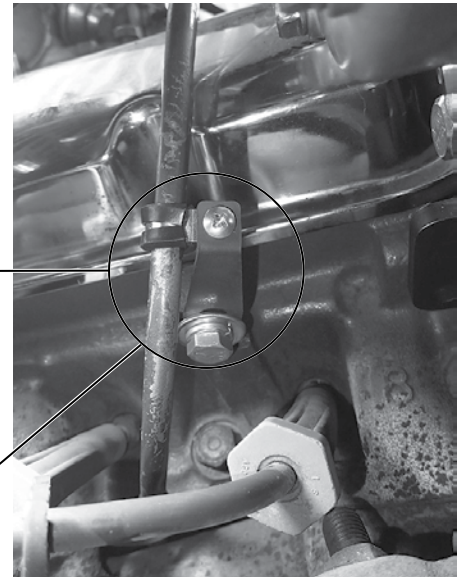
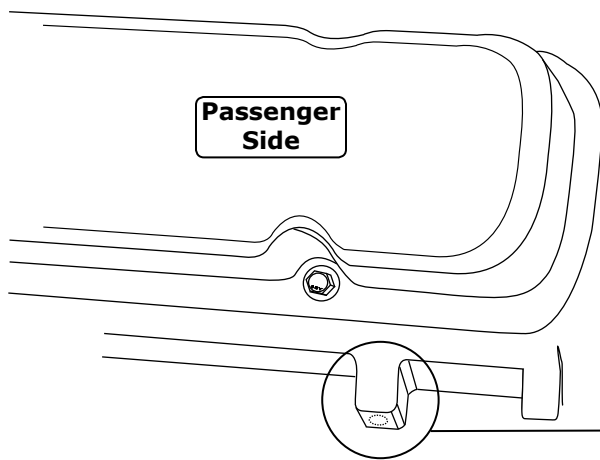


Figure 7

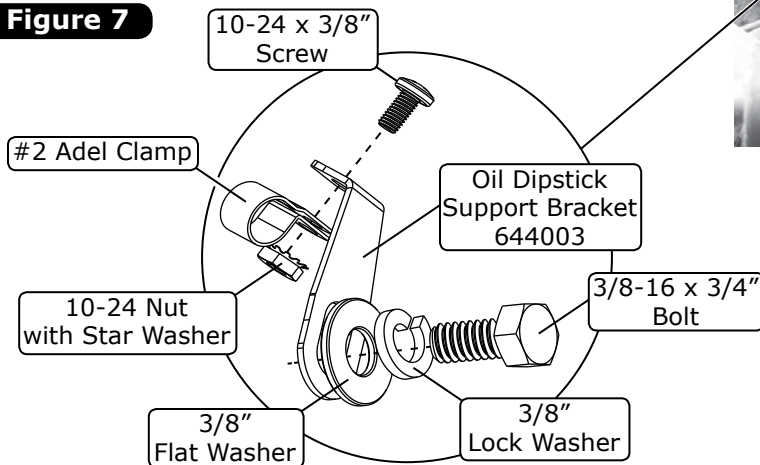


Photo 3

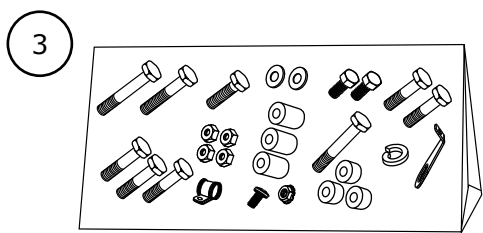
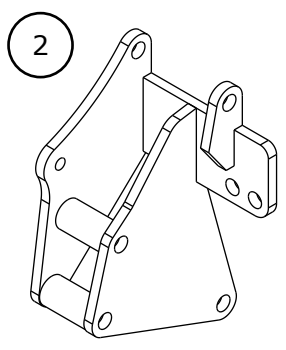
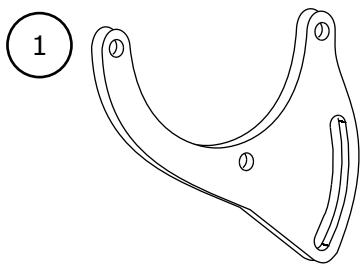


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2.	1	141015	Bracket Assembly, Compressor
3.	1	191003-HPA	Hardware Kit

Checked By: _____
 Packed By: _____
 Date: _____



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 Refer to packing list for actual parts and quantities.**