



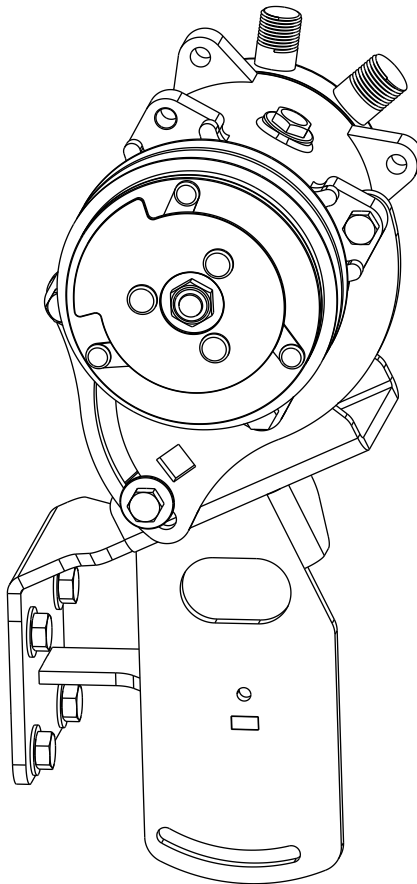
## **240/300 Ford**

### **Compressor Bracket Kit**

**(131119)**

**Fits:**  
**1965 & Up Ford F-100s and Others**

**May Be Used With or Without**  
**Power Steering Bracket Add-On Kit 131127**



**18865 Goll St. San Antonio, TX 78266**  
**Phone: 800-862-6658**  
**Sales: [sales@vintageair.com](mailto:sales@vintageair.com)**  
**Tech Support: [tech@vintageair.com](mailto:tech@vintageair.com)**  
**[www.vintageair.com](http://www.vintageair.com)**

# Table of Contents

Cover.....	1
Table of Contents.....	2
Packing List/Parts Disclaimer.....	3
Engine Compartment Disassembly & Crankshaft Pulley Installation.....	4
Compressor/Power Steering Bracket Installation.....	5
Power Steering Hose Installation (with Power Steering Add-On Kit).....	6
Power Steering Pump Installation (with Power Steering Add-On Kit).....	7
Compressor Installation.....	8
Water Pump Shim Installation.....	9
Belt Routing, Tightening Belts, Compressor Warnings.....	10
Packing List.....	11

## Additional Parts & Accessories

Because of the variety of available applications, Vintage Air does not make specific recommendations for power steering fittings, hoses or adapters for 1965-66 Ford F-100s. However, listed below are fittings and hoses available through Vintage Air that may be suitable for your application.

**NOTE: AN and JIC fittings are interchangeable in most aftermarket automotive hydraulic applications. When adapting from an inverted flare fitting to an AN or JIC fitting, be sure to use an adapter suited for this purpose and NOT an NPT to AN or JIC adapter.**

### Power Steering Accessories

#### **DSE Hose Kit**

**852008** Early GM (1965-81)

**852009** Mustang II

**852012** Ford Fox Body (1979-2004)

(Fox Body rack & pinion has external hardlines)



#### **Flow Control Valve**

**852001** For Mustang II Rack & Pinion  
 (Reduces flow to 2.0 GPM)



#### **Power Steering Add-On Kit**

**131127** For 240/300 Ford

(Includes items pictured below)



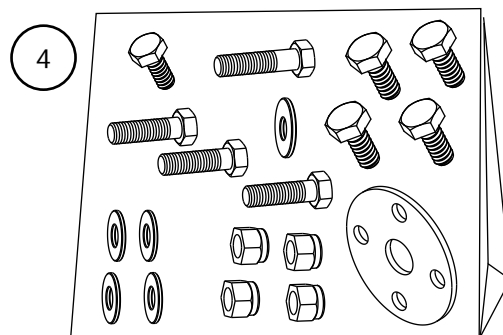
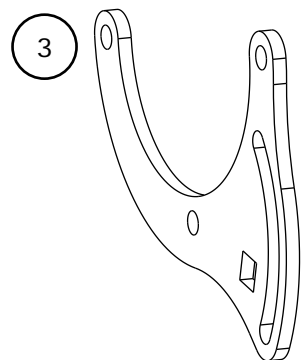
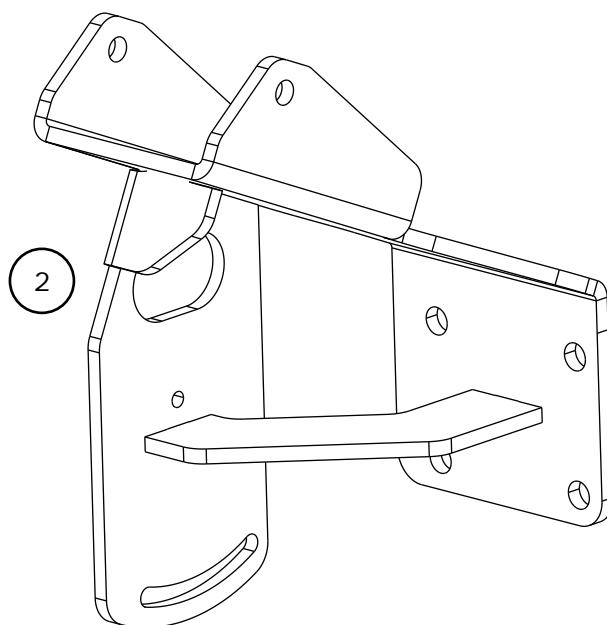
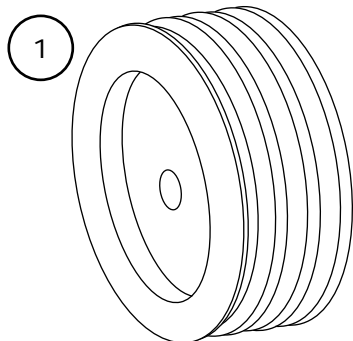


www.vintageair.com

## Packing List: Bracket Kit (131119)

No.	Qty.	Part No.	Description
1.	1	730012	Damper/Pulley, Crankshaft
2.	1	131118	Bracket, Compressor/Power Steering
3.	1	146006-SCR	Bracket, Compressor Adjustment
4.	1	191048	Hardware Kit

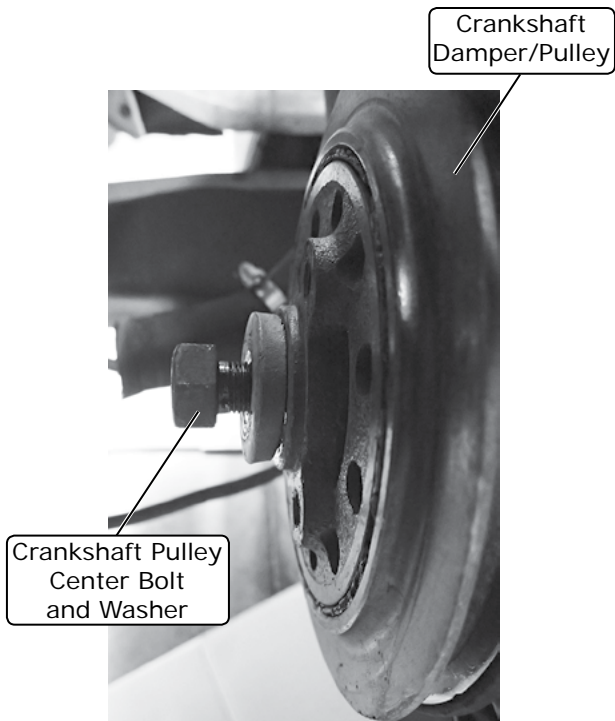
**\*\* Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**



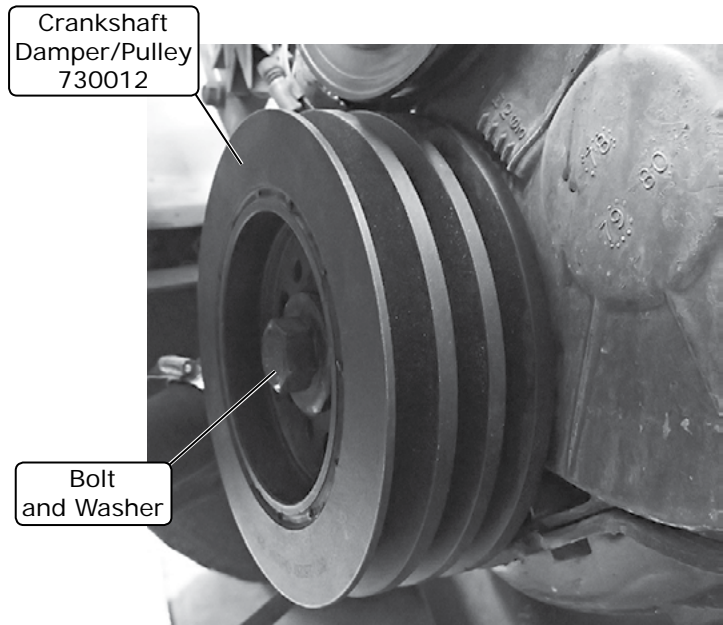
**NOTE: Images may not depict actual parts and quantities.  
Refer to packing list for actual parts and quantities.**

## Engine Compartment Disassembly & Crankshaft Pulley Installation

1. Disconnect the battery.
2. Remove the power steering pump and bracket(s) (if equipped) from the driver side of engine.
3. Remove the crankshaft damper/pulley (retain bolt and washer) (See Photo 1, below).
4. Install the supplied crankshaft damper/pulley. Align the pulley to the shaft and key, and reinstall the crankshaft pulley center bolt and washer (See Photo 2, below). Torque to factory service manual specifications.



**Photo 1**

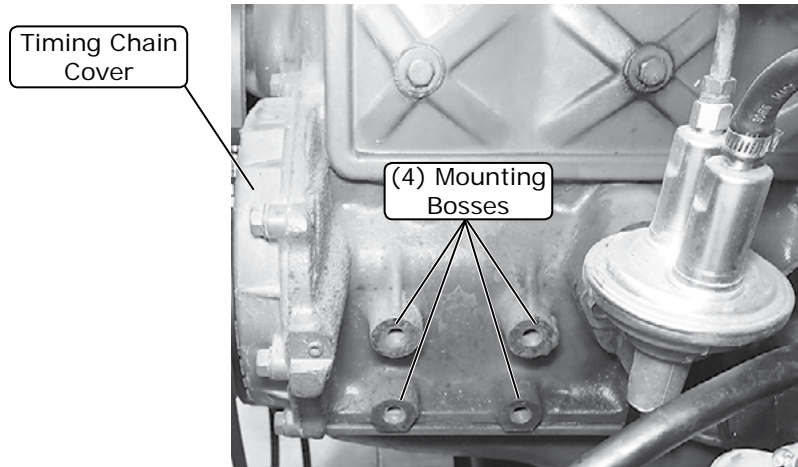


**Photo 2**

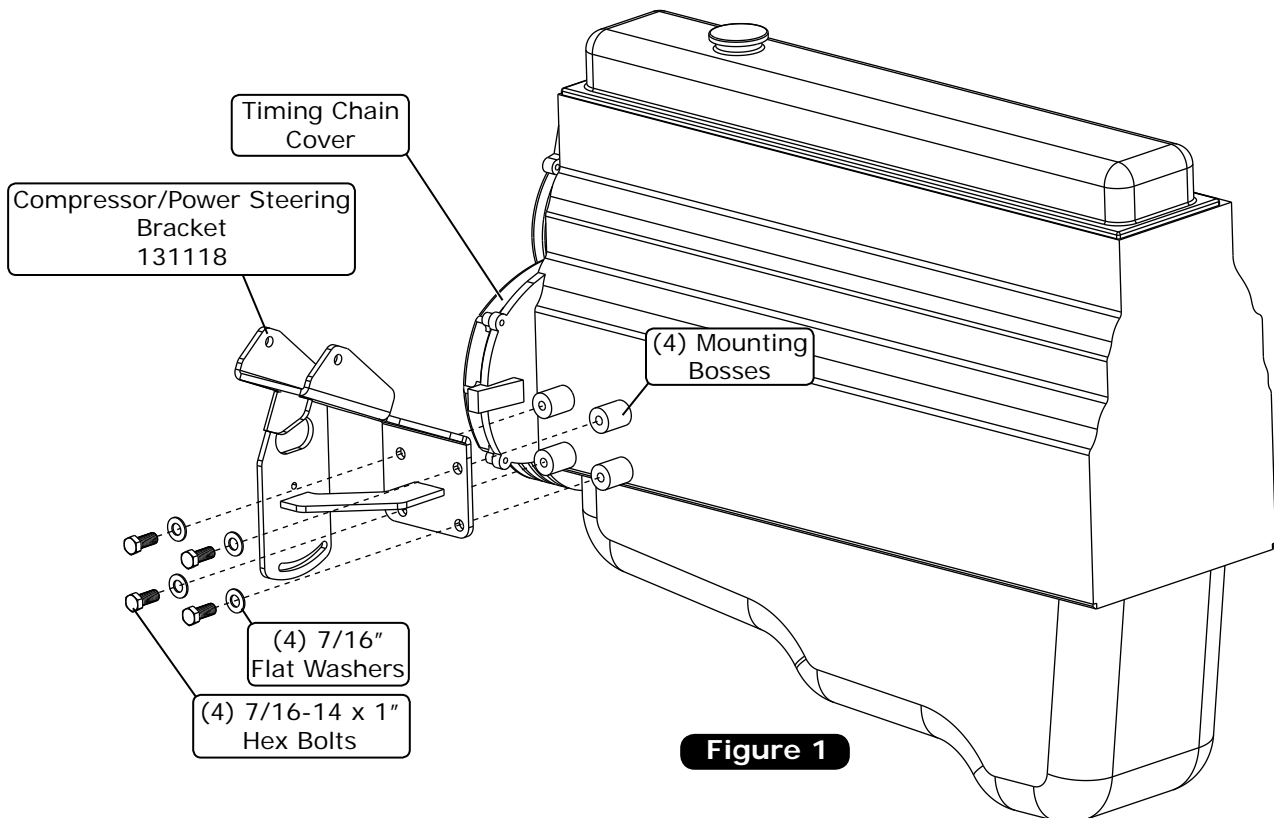
**NOTE:** Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

## Compressor/Power Steering Bracket Installation

1. Using (4) 7/16-14 x 1" hex bolts and (4) 7/16" flat washers, attach the compressor/power steering bracket to the engine, threading the bolts into the (4) mounting bosses on the engine (See Photo 3 and Figure 1, below). Torque to 37 lb ft.



**Photo 3**



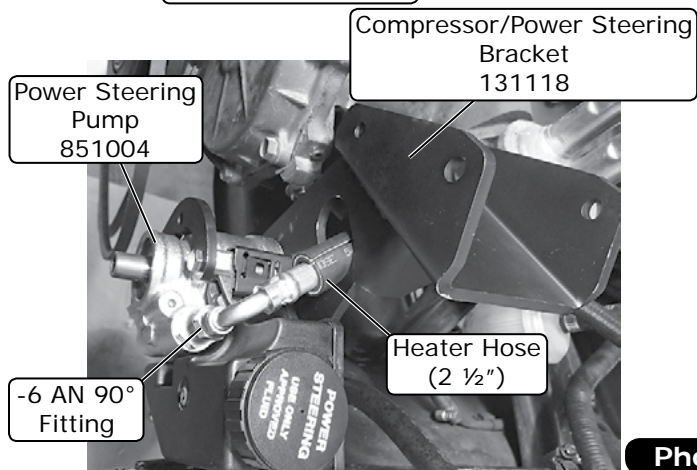
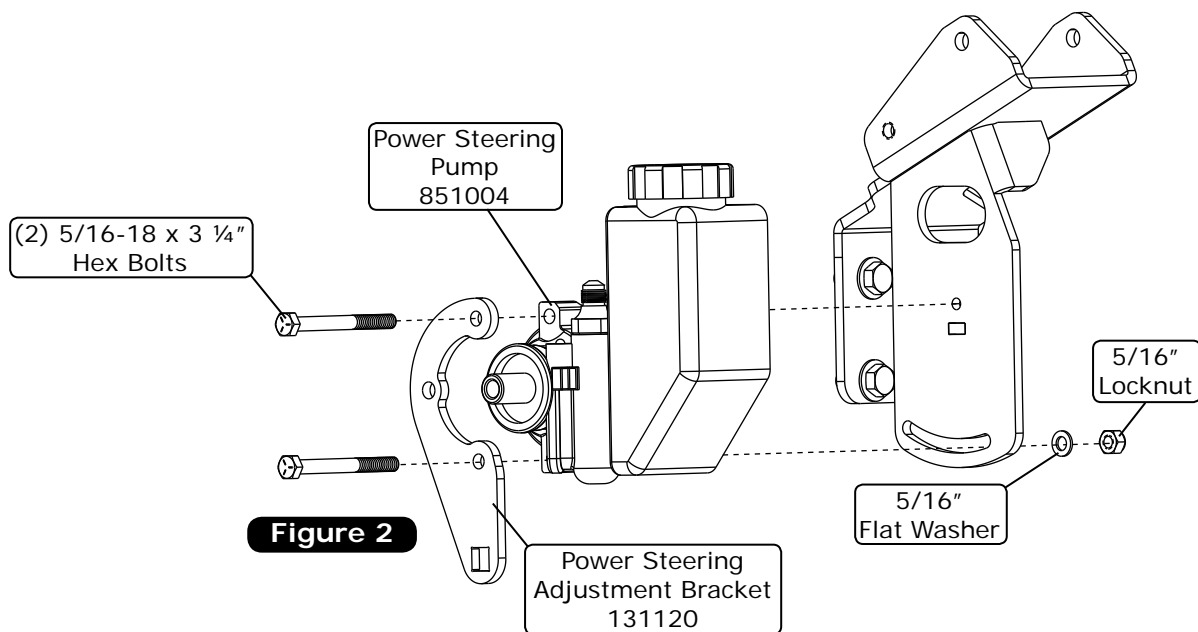
**Figure 1**

## Power Steering Hose Installation (with Power Steering Add-On Kit)

### NOTES:

- A high-pressure hose with a -6 AN 90° fitting (not included in this kit) is required for connection to the high-pressure fitting on the power steering pump. See Additional Accessories on Page 2 of this instruction booklet for options available through Vintage Air.
- TC power steering pump flow rate is 3.0 to 3.4 gallons per minute at 1500 RPM. For rack-and-pinion systems that require a lower flow rate, a flow control valve (Vintage Air Part # 852001) may be purchased to reduce the flow to 2.0 GPM (See Additional Accessories on Page 2). Consult with the rack manufacturer to determine flow rate requirements.

1. Temporarily mount the power steering pump onto the compressor/power steering pump bracket as shown in Figure 2, below. Adjust the pump/bracket assembly to bring the pump shaft as close as possible to the crankshaft pulley.
2. Slit a 2 ½" piece of heater hose and install it over the power steering hose as shown in Photo 4, below.  
**NOTE: The heater hose will insulate the power steering hose where it passes through the compressor/power steering bracket.**
3. Attach the -6 AN 90° fitting on the high-pressure hose to the high-pressure fitting on the power steering pump (See Photo 4, below). Adjust the power steering hose to ensure that the insulating heater hose installed above rests firmly against the wall of the bracket slot as shown. **NOTE: Do not apply any pressure or torque to the power steering pump reservoir, as this may damage the reservoir.**
4. Remove the power steering pump and hose assembly from the bracket.

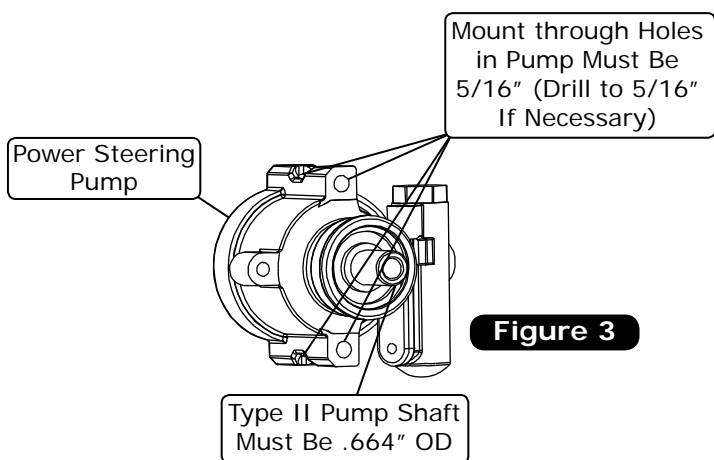


## Power Steering Pump Installation (with Power Steering Add-On Kit)

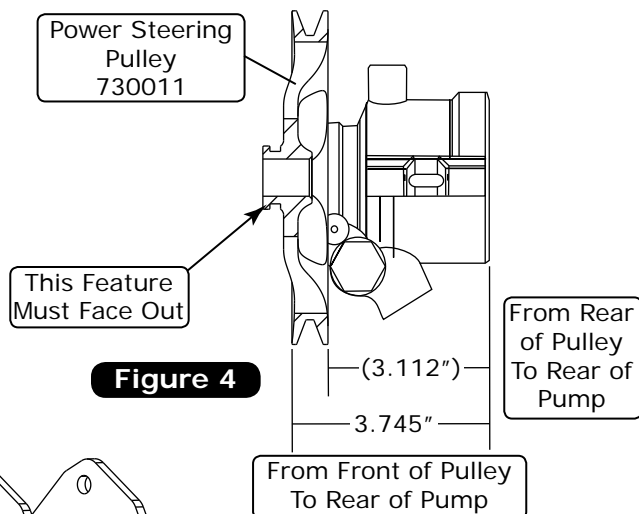
**WARNING:** The pulley must be installed with the proper tool (K-D Tool #2897 or equivalent). Do not attempt to hammer or press the pulley onto the power steering pump shaft! Failure to use the proper tool will destroy the pump.

**NOTE:** Some Type-II GM power steering pumps (non-Vintage Air pumps only) have threaded mounting bases. These must be drilled out to allow the mounting bolts to pass through the holes and thread into the bracket (See Figure 3, below).

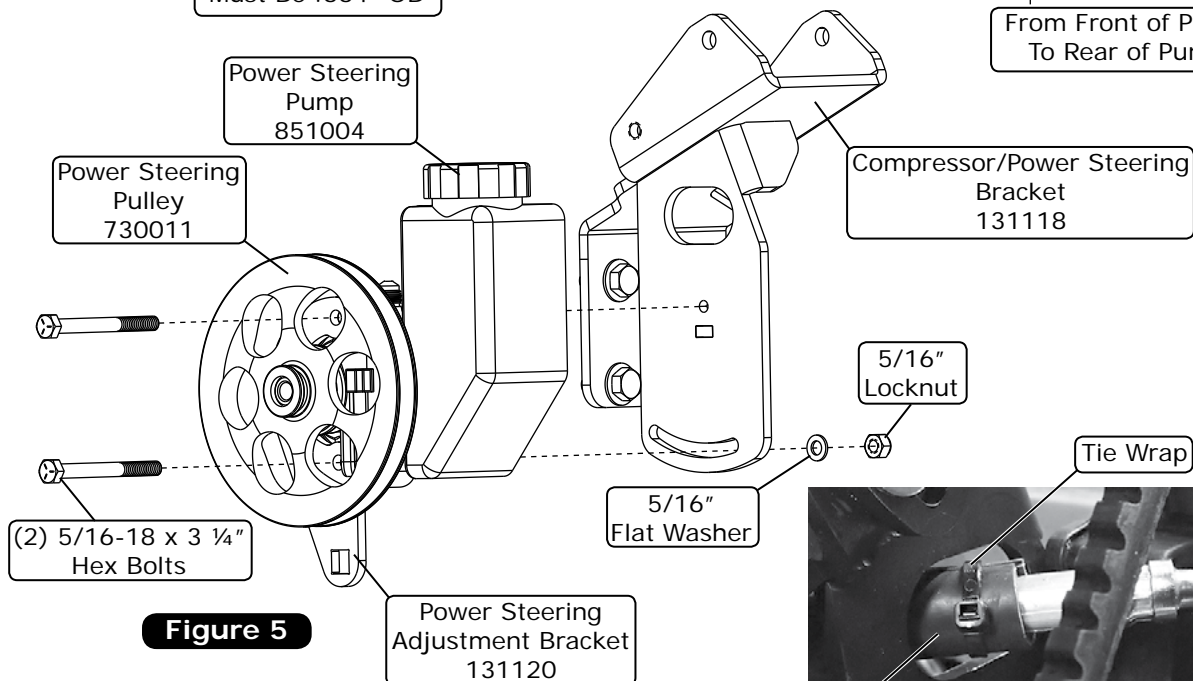
1. On a workbench, using a power steering pump pulley installer, install the pulley onto the power steering pump (See Figure 4, below, and video demonstration at [bit.ly/vapulley](http://bit.ly/vapulley)). Ensure that the pulley is installed to the proper specifications as shown in Figure 4, below.
2. Install the power steering pump assembly and adjustment bracket onto the compressor/power steering pump bracket using (2) 5/16-18 x 3 1/4" hex bolts, (1) 5/16" flat washer and (1) 5/16" locknut as shown in Figure 5, below.
3. Secure the heater hose onto the power steering hose using a tie wrap as shown in Photo 5, below.



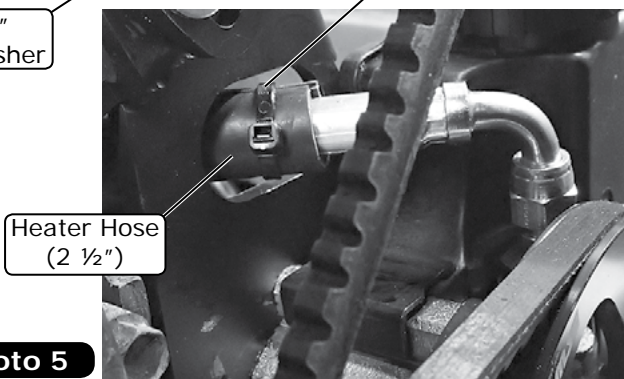
**Figure 3**



**Figure 4**



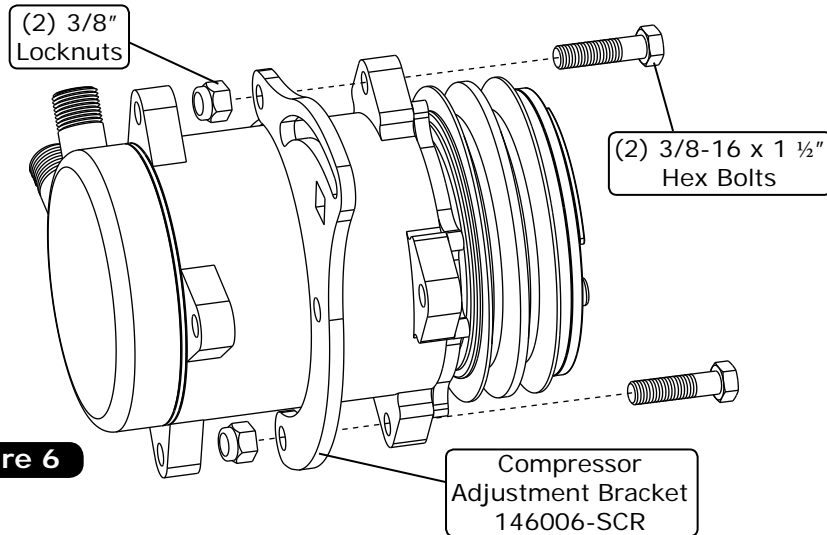
**Figure 5**



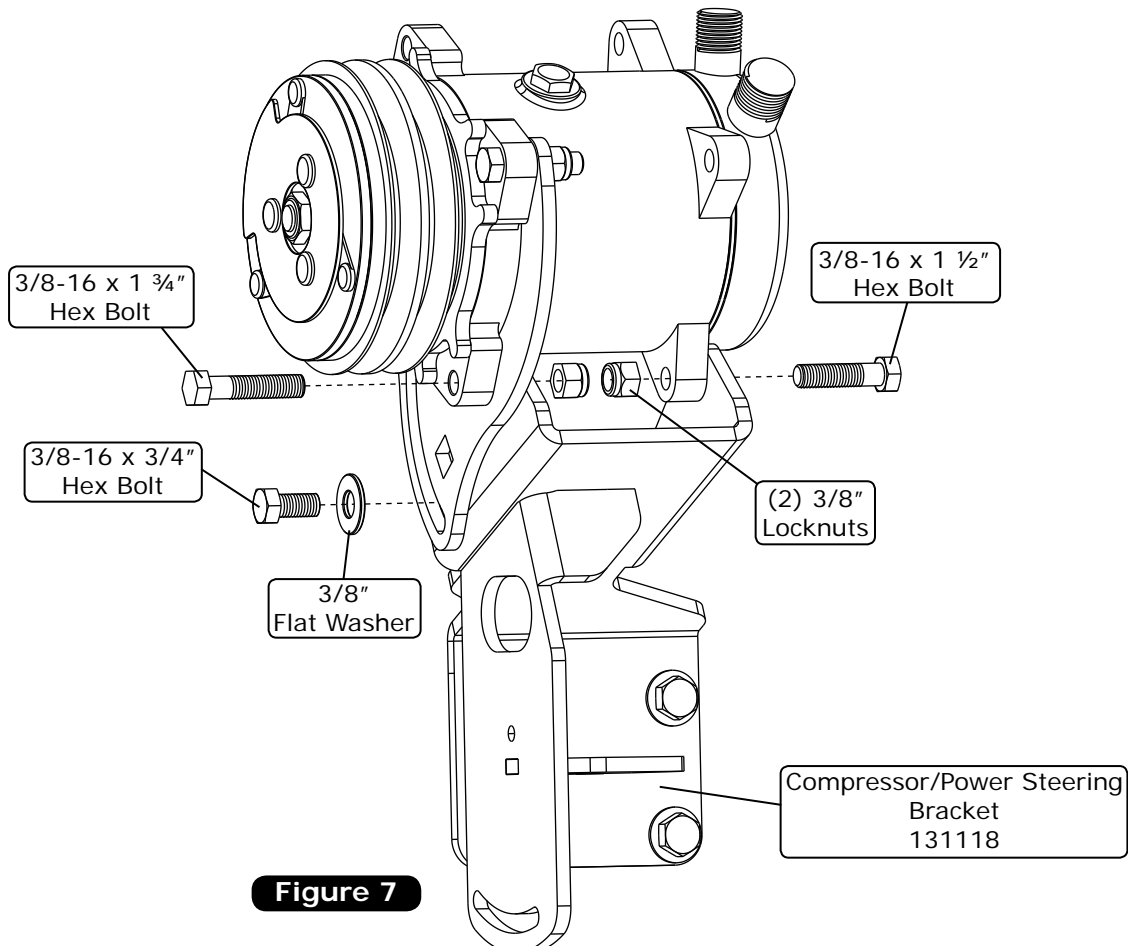
**Photo 5**

## Compressor Installation

1. On a workbench, install the compressor adjustment bracket onto the compressor using (2) 3/8-16 x 1 1/2" bolts and (2) 3/8" locknuts as shown in Figure 6, below.
2. Install the compressor assembly onto the compressor/power steering bracket using a 3/8-16 x 1 3/4" hex bolt, a 3/8-16 x 1 1/2" hex bolt, (2) 3/8" locknuts, a 3/8-16 x 3/4" hex bolt, and a 3/8" flat washer as shown in Figure 7, below.



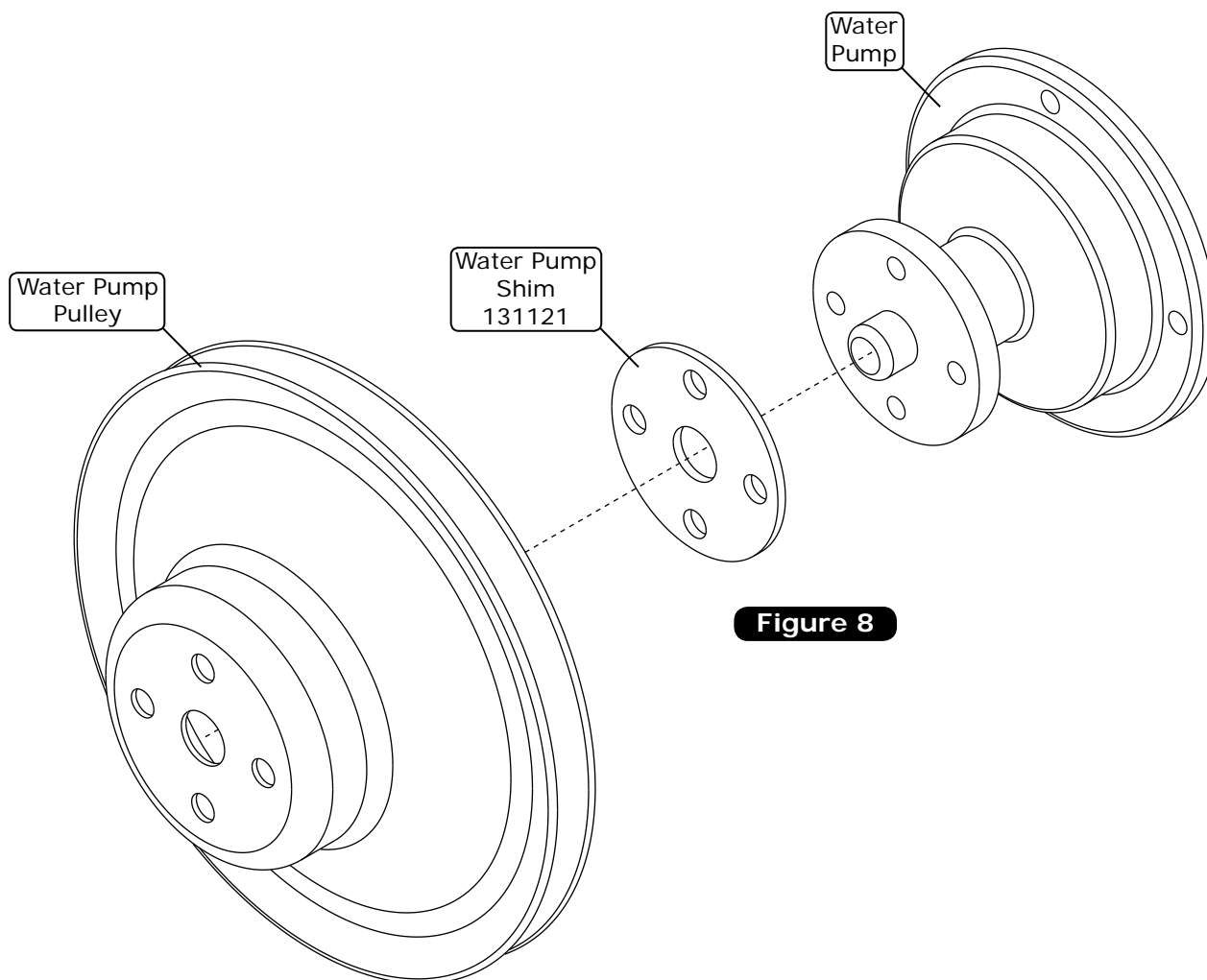
**Figure 6**



**Figure 7**

## Water Pump Shim Installation

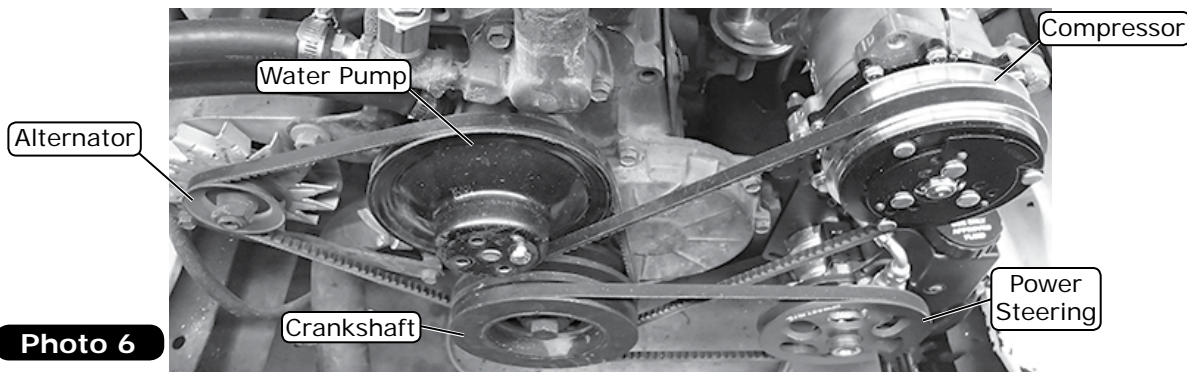
1. Install the water pump shim between the water pump hub and the water pump pulley as shown in Figure 8, below.



**Figure 8**

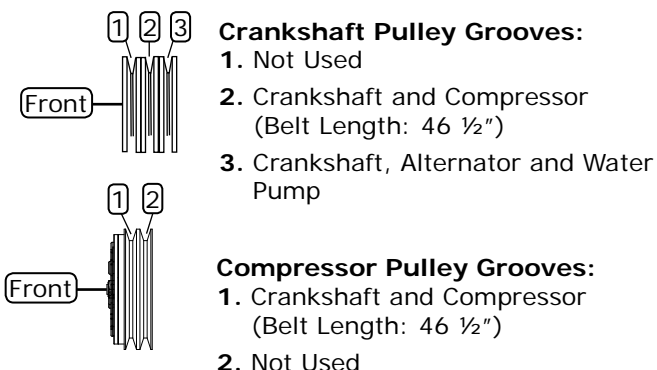
## Belt Routing

1. Route belts as shown in Photo 6, below. Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this bracket kit. **NOTE: Place all belts on pulleys before tensioning.**

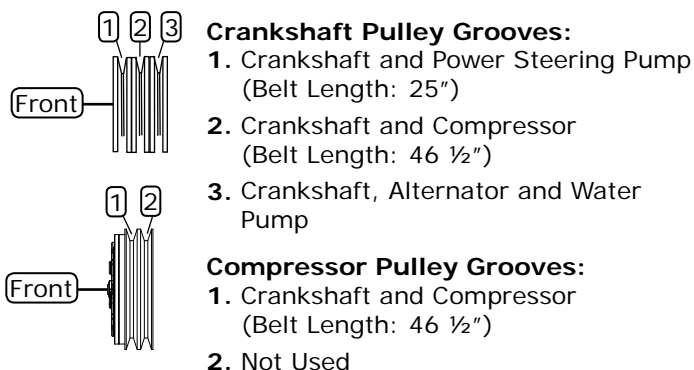


**Photo 6**

### Without Power Steering



### With Power Steering



## Tightening Belts

1. Using a 1/2" square-slot ratchet, adjust the belt tension on the compressor. **NOTE: The compressor bracket has a 1/2" square slot for adjusting belt tension.**
2. Using a 1/2" square-slot ratchet, adjust the belt tension on the power steering pump. **NOTE: The power steering bracket has a 1/2" square slot for adjusting belt tension. Do not apply pressure or torque to the power steering reservoir when tightening belts.**

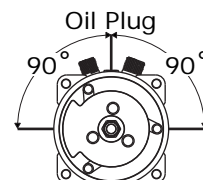
## Compressor Warnings

**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).





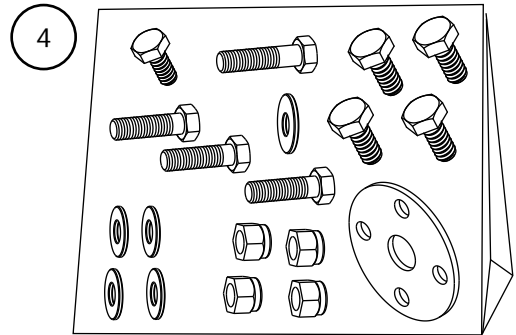
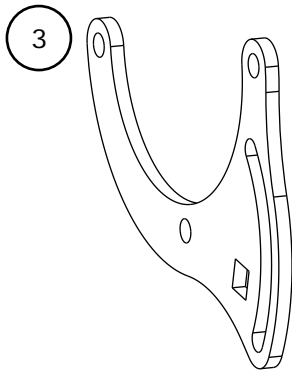
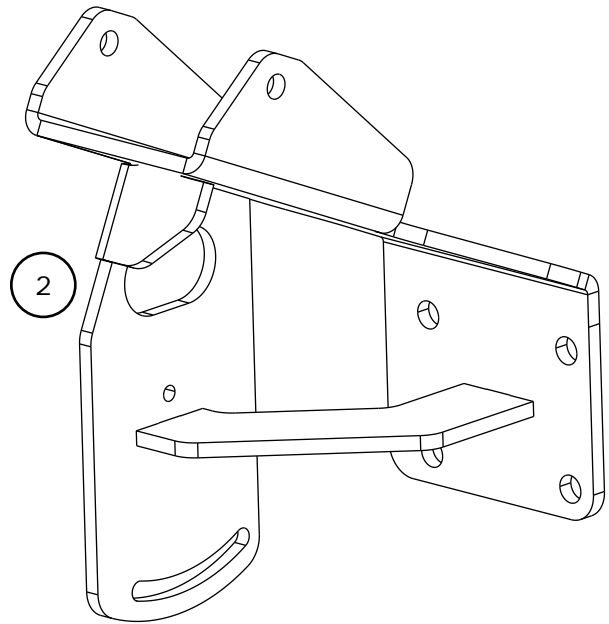
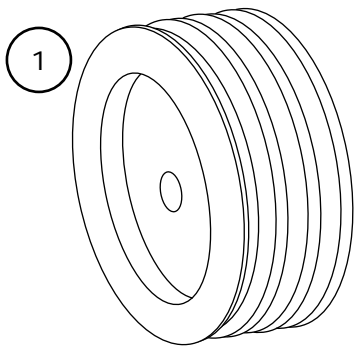


www.vintageair.com

## Packing List: Bracket Kit (131119)

No.	Qty.	Part No.	Description	
1.	1	730012	Damper/Pulley, Crankshaft	_____
2.	1	131118	Bracket, Compressor/Power Steering	_____
3.	1	146006-SCR	Bracket, Compressor Adjustment	_____
4.	1	191048	Hardware Kit	_____

Checked By: \_\_\_\_\_  
Packed By: \_\_\_\_\_  
Date: \_\_\_\_\_



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