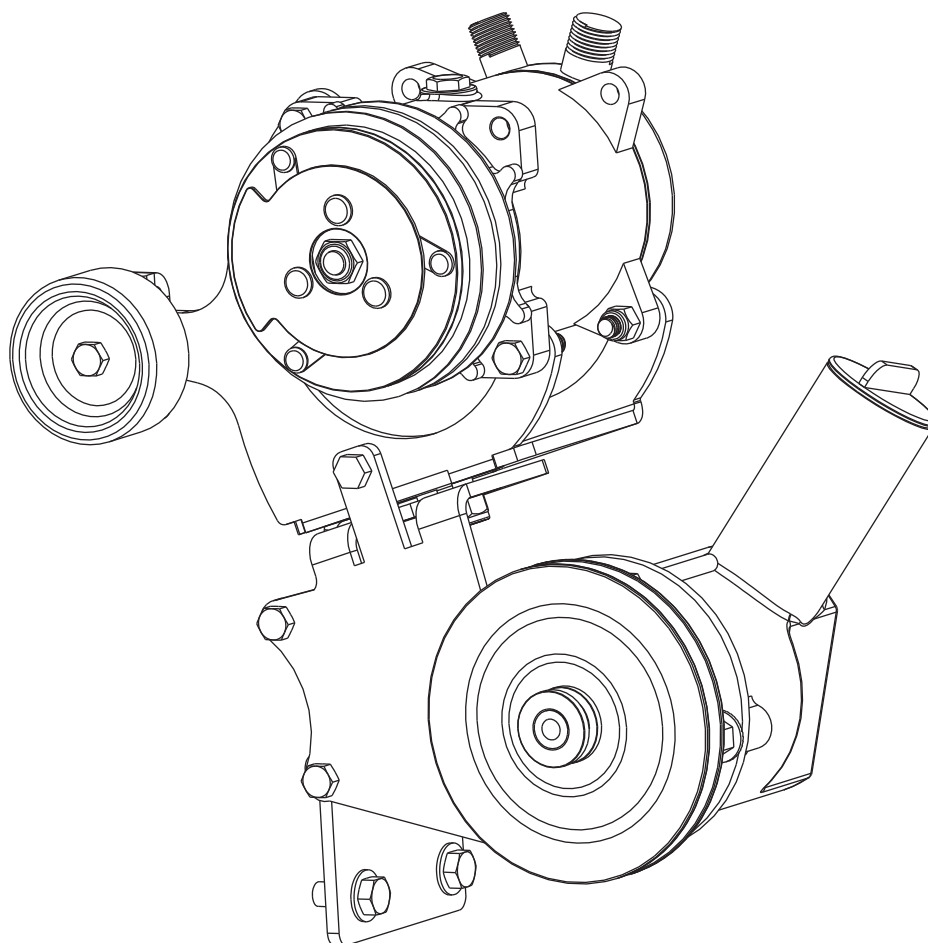




240 / 300 16

Compressor Bracket Kit *with* Power Steering (137127)

Fits Most: 1965-86 Ford F-Series / Bronco



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Additional Info: Please Read Before Beginning

- Vintage Air recommends using only Dayco, Gates, or Goodyear brand reinforced belts with this compressor bracket kit. Gates XL 9640 belt was used for this install. Due to the wide range of accessory options and pulley diameters, you will need to measure your setup to get the proper length V-belts.
- Due to the differences in years and castings, some spacing may need to be adjusted with a washer.
- When painting brackets, a ground path must be maintained either by masking / removing the paint on the brackets, or by adding ground wires to contact the compressor and alternator bodies.
- This bracket requires a 508 V-belt compressor (Vintage Air part # 04808-VUA (standard finish), 04808-VUG (polished finish), or 048085 (chrome finish)).
- This kit is designed to work with the OEM power steering bracket.
- All vehicles used in the development of this kit were equipped with power steering. If your vehicle does not have power steering, your pulleys and routing may differ from the belt routing diagrams.
- Vintage Air's Ford truck and Bronco Surefit™ system requires a minimum 60 amp alternator. While the OEM 60 amp alternator will work with the Surefit™ system, additional accessories may require a higher output alternator. The Surefit™ system draws approximately 15 amps, and without the sufficient amperage, the A/C system or other accessories may not function properly.

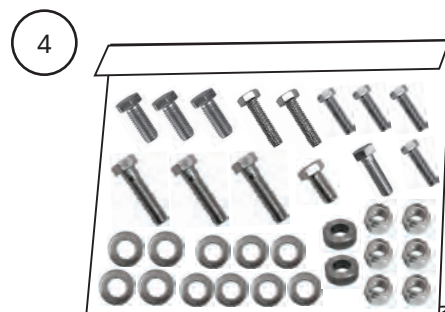


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Packing List: Compressor Bracket Kit (137127)

No.	Qty.	Part No.	Description
1.	1	137117	Bracket, Compressor
2.	1	137118	Bracket, Power Steering OEM Pump
3.	1	735015	Pulley, Idler
4.	1	191133	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.**

OEM Compressor and Bracket Removal

1. Disconnect the battery.
2. Evacuate the system.
3. Disconnect the A/C lines from the compressor and unplug the wiring from the clutch.
4. Remove the A/C compressor belt by loosening the pivot bolt on the power steering bracket.
5. Remove the (5) OEM bolts securing the brackets to the compressor (See Figure 1, below) and the (3) bolts securing the compressor mounting bracket to the support bracket (See Figure 2, below), then remove the compressor.
6. Remove the (4) bolts securing the compressor and power steering bracket to the engine (See Figure 3, below). Loosen the (2) pivot bolts on the power steering bracket, then remove the compressor and power steering bracket (See Photo 1, below).

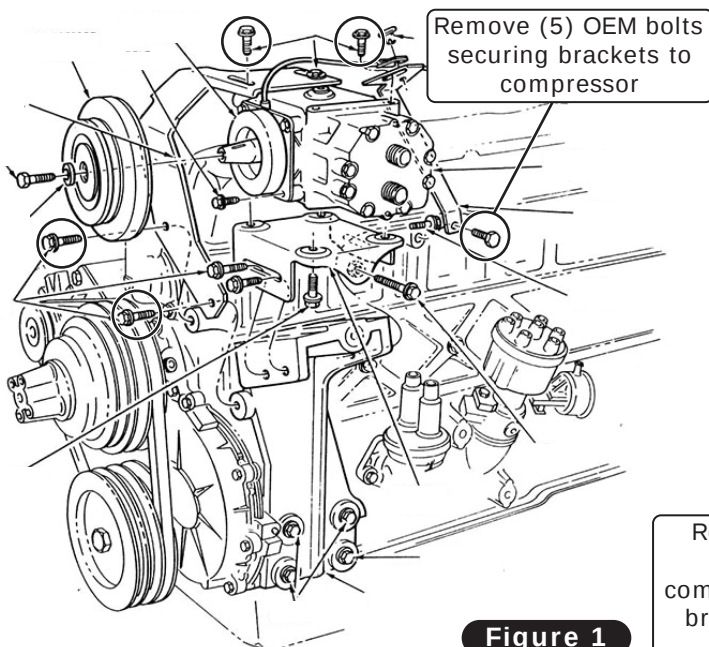


Figure 1

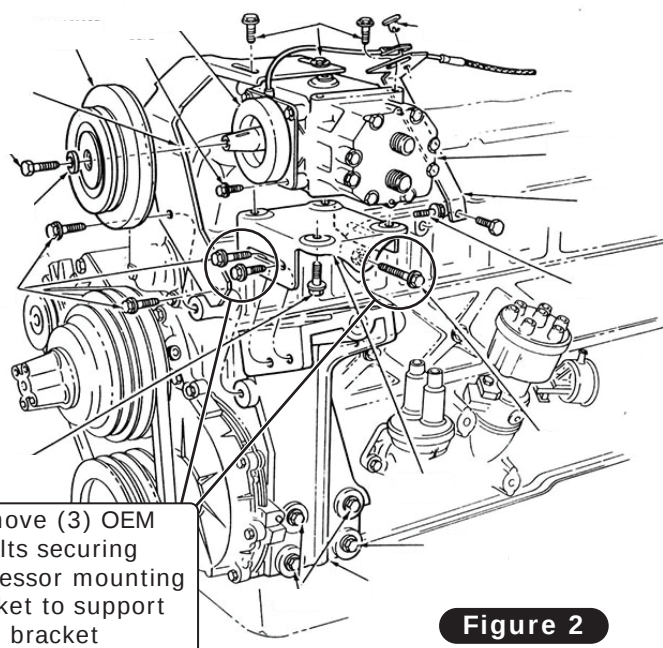


Figure 2

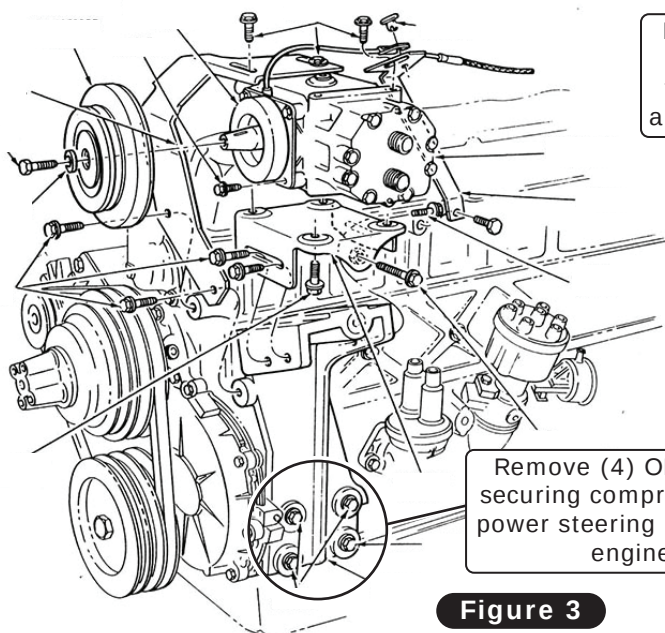


Figure 3

Loosen (2) pivot bolts on power steering bracket, then remove compressor and power steering bracket

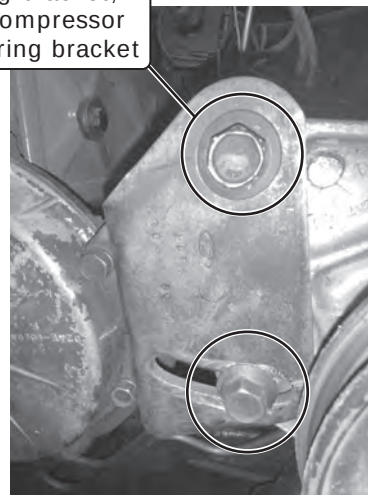


Photo 1

OEM Compressor and Bracket Removal (Cont.)

7. Remove the (2) bolts securing the power steering bracket to the timing chain cover (See Photo 2, below).
8. Using a pulley puller, remove the pulley from the power steering pump. Remove the (3) bolts from the power steering bracket, then remove the power steering pump. Move the steering pump out of the way until the bracket is installed.

Remove (2) bolts
securing power
steering bracket to
timing chain cover

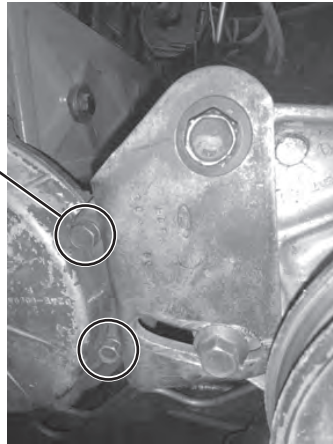


Photo 2

Bracket Installation

1. Attach the power steering pump to the power steering OEM pump bracket using the (3) OEM bolts (See Figure 1, below). **NOTE: Install the pulley at this time (See Figure 2, below).**
2. Using (4) 7/16" x 1" hex bolts and (4) 7/16" flat washers, secure the compressor bracket to the engine, threading the bolts into the (4) mounting bosses on the engine (See Photo 1, below). Torque to 37 ft·lbs. Secure the top of the compressor bracket to the boss on the front of the engine using a 3/8" x 3/4" hex bolt (See Photo 2, below).

Power Steering OEM Pump Bracket
137118

Power Steering
Pump

Attach pump to
bracket using
(3) OEM bolts

Figure 1

Install pulley
onto pump

Figure 2

Compressor
Bracket
137117

Using (4) 7/16" x 1"
hex bolts and (4) 7/16"
flat washers, secure
compressor bracket to
engine

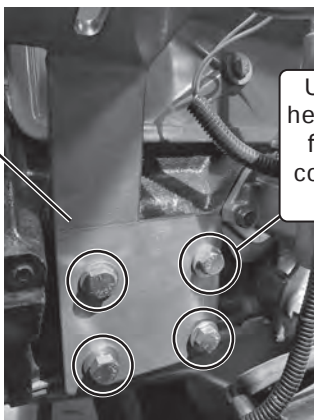


Photo 1

Compressor
Bracket
137117

Secure top of
compressor bracket to
boss on front of engine
using a 3/8" x 3/4"
hex bolt

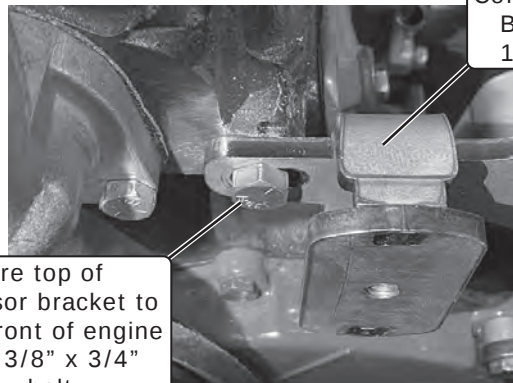
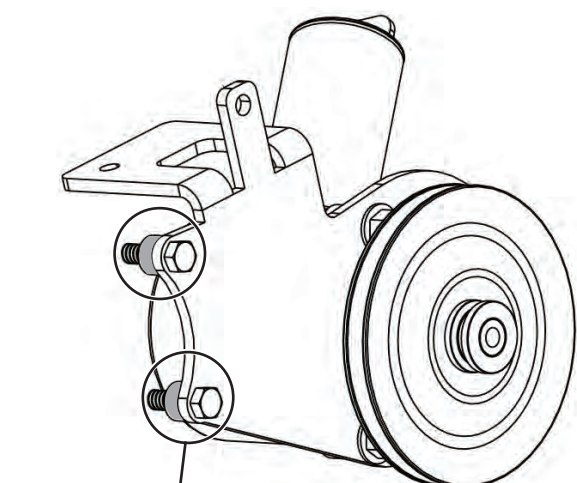


Photo 2

Bracket Installation (Cont.)

3. Install the power steering bracket using (2) 5/16" x 1 1/4" hex bolts and (2) .750" O.D. x .482" I.D. x .375" length spacers into the timing chain cover (See Figure 3, below).
4. Next, use (3) 3/8" x 1" hex bolts, (3) 3/8" flat washers and (3) 3/8" locknuts to secure the power steering bracket to the compressor bracket (See Photo 3, below).
5. Install the compressor onto the compressor bracket using (3) 3/8" x 1 1/2" hex bolts, (3) 3/8" flat washers and (3) 3/8" locknuts (See Photo 4, below).
6. Use a 3/8" x 1 1/4" hex bolt and a 3/8" flat washer to attach the idler pulley (See Photo 5, below).
7. Route the belts as shown on Figure 1, Page 7.



Install power steering bracket into the timing chain cover using (2) 5/16" x 1 1/4" hex bolts and (2) .375" length spacers

Figure 3

Secure power steering bracket to compressor bracket using (3) 3/8" x 1" hex bolts, 3/8" flat washers and (3) 3/8" locknuts

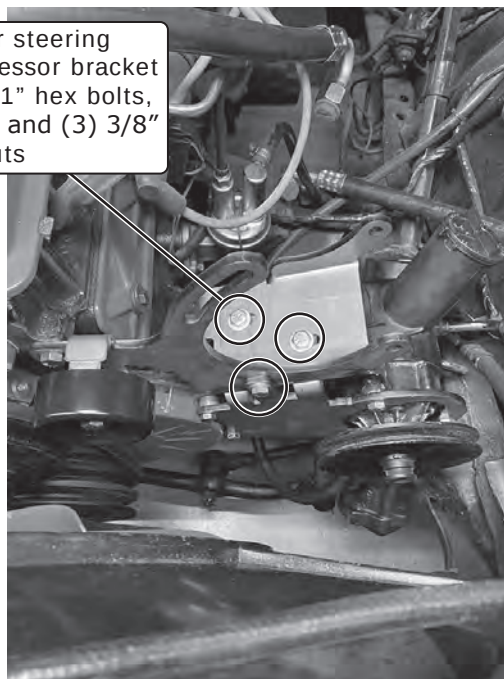


Photo 3

Install compressor onto compressor bracket using (3) 3/8" x 1 1/2" hex bolts, (3) 3/8" washers and (3) 3/8" locknuts

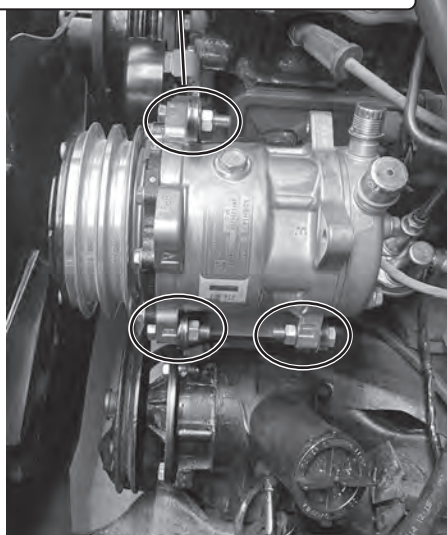
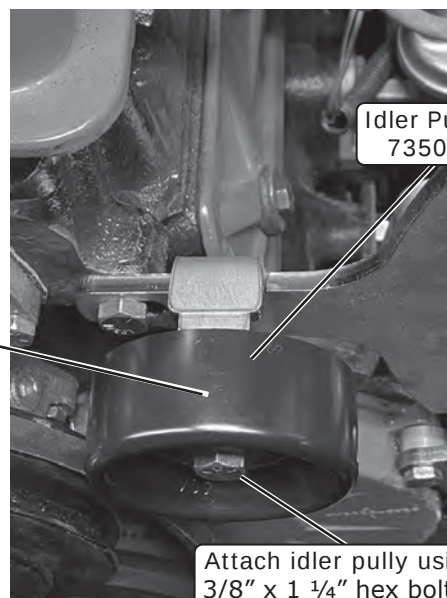
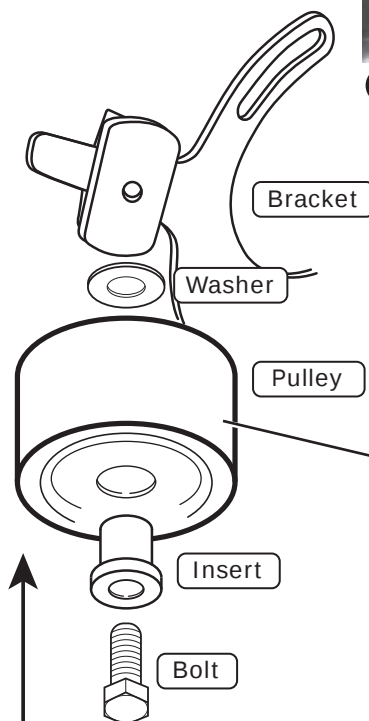


Photo 4



Idler Pulley
735015

Attach idler pulley using a 3/8" x 1 1/4" hex bolt and a 3/8" washer

Photo 5

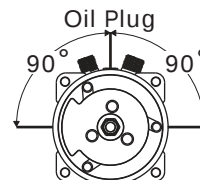
Compressor Warnings

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. Since an A/C system relies on refrigerant to circulate lubricant, running the compressor without refrigerant may destroy the compressor and void the warranty.

IMPORTANT NOTICE:

- 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).



Two-Groove or 3-Groove Water Pump (Optional) Smog Belt Routing

NOTE: There are two belt routing diagrams show either below or on Page 8. Depending on the pulley and accessories configuration, choose the appropriate routing.

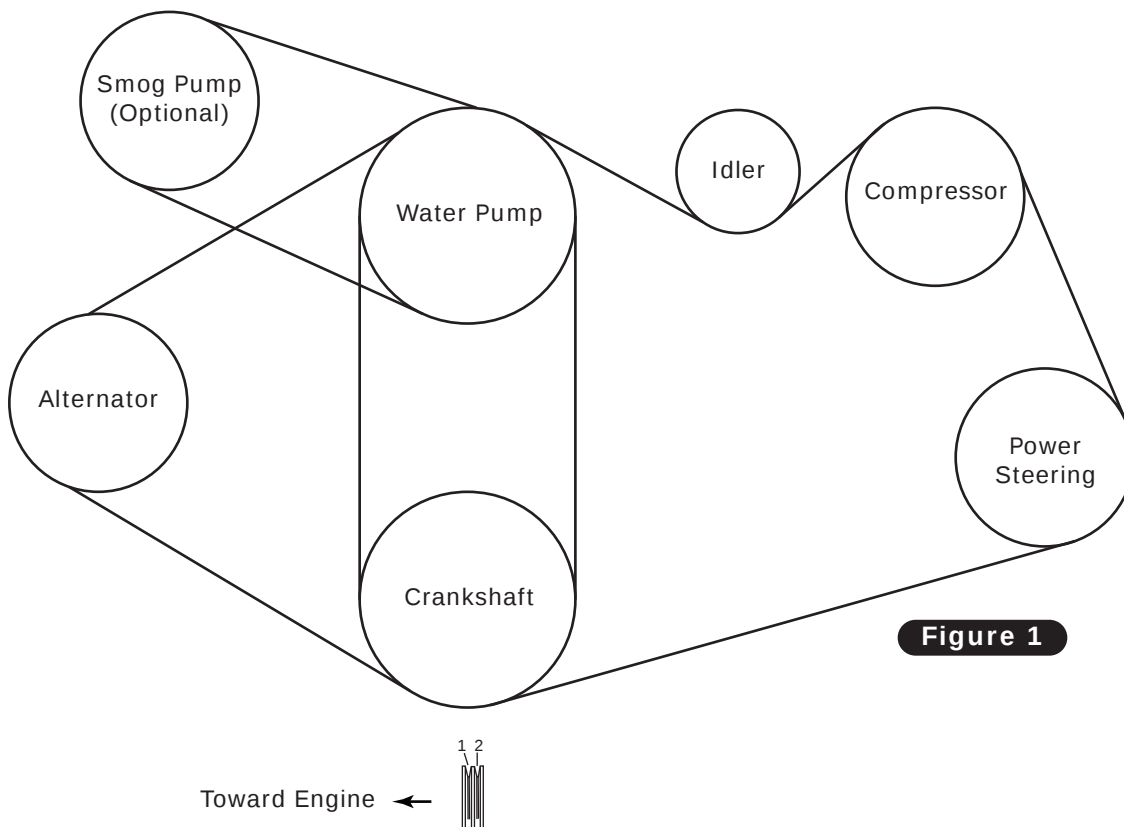


Figure 1

Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump & Alternator
2. Crankshaft, Power Steering, Compressor, Idler & Water Pump

NOTE: On trucks without factory air, the smog pump can be put on the front groove of the alternator.

Single-Groove Water Pump (No Smog) Belt Routing

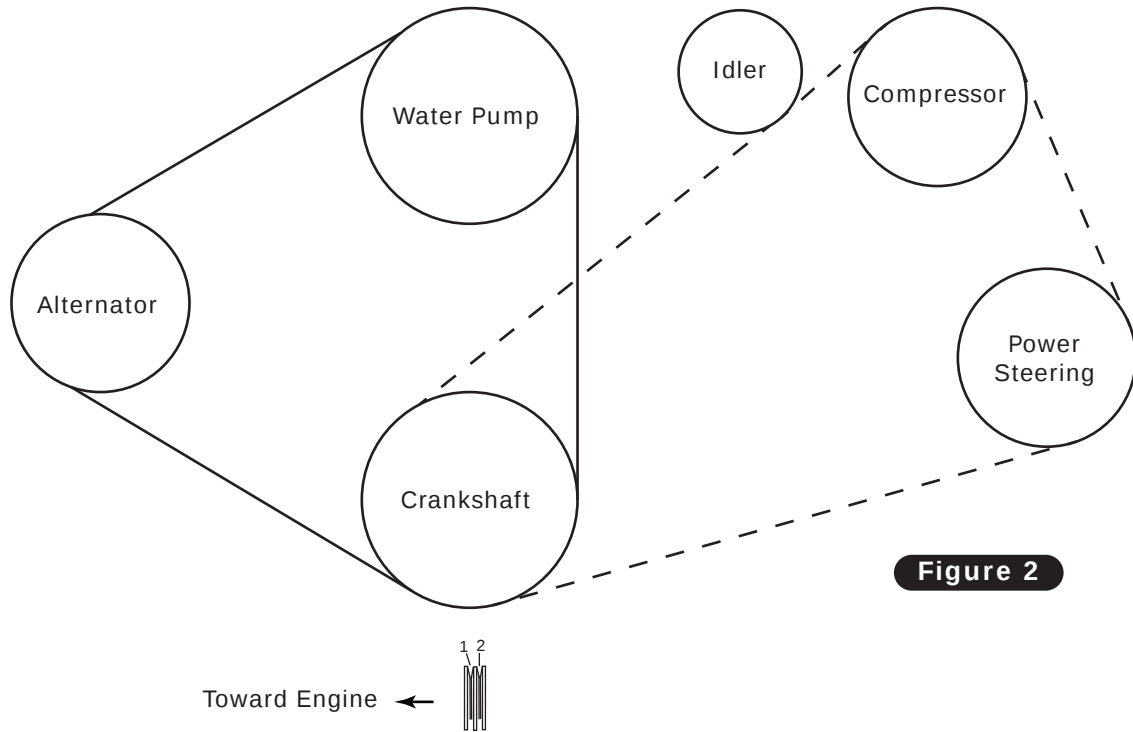


Figure 2

Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump & Alternator
2. Crankshaft, Power Steering, Compressor & Idler



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Packing List: Compressor Bracket Kit (137127)

No.	Qty.	Part No.	Description	
1.	1	137117	Bracket, Compressor	_____
2.	1	137118	Bracket, Power Steering OEM Pump	_____
3.	1	735015	Pulley, Idler	_____
4.	1	191133	Hardware Kit	_____

Checked By: _____

Packed By: _____

Date: _____

1



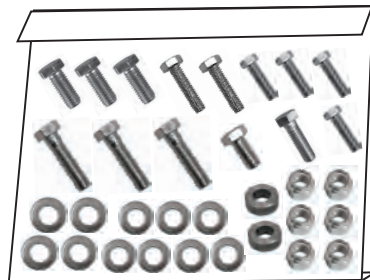
2



3



4



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