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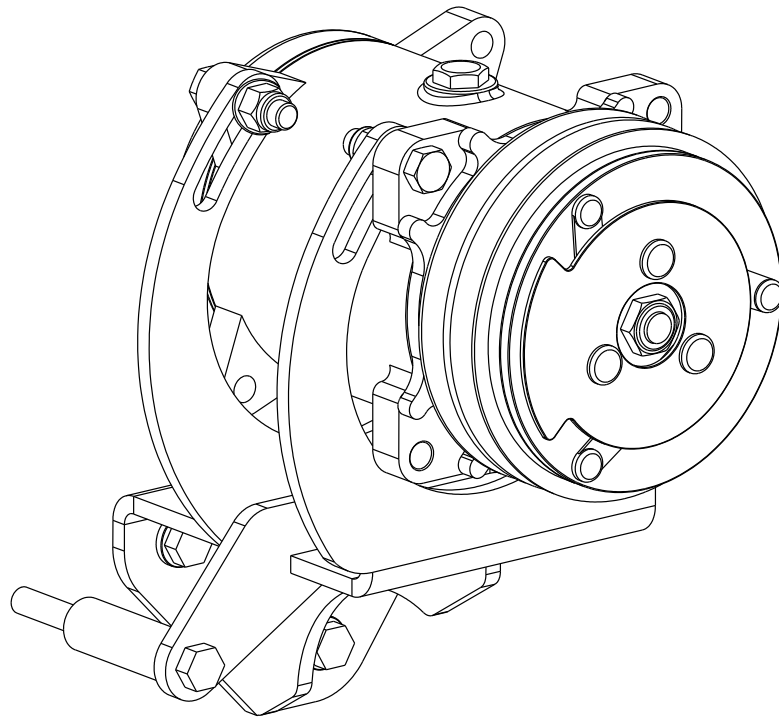
# Ford FE

## Compressor Bracket Kit

### 131005

**Fits Ford FE Motors:  
332, 352, 360, 390, 406, 427 & 428 Cubic Inches**

**\*See Page 2 for Additional Information**



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# Table of Contents

Cover..... 1

Table of Contents..... 2

Packing List/Parts Disclaimer..... 3

Compressor Bracket Installation, Vehicles without Power Steering..... 4

Vehicles with Power Steering, Compressor Installation..... 5

Belt Routing, Compressor Warnings..... 6

Packing List..... 7

## Additional Info: Please Read Before Beginning

This bracket kit is designed for use with or without the power steering bracket.

This bracket was designed using an OEM 2-groove water pump pulley #C8AE-8509-B and a 3-groove crankshaft pulley #D3TE-6312-AB. OEM 2-groove crank pulley will also work with this bracket.

This bracket kit is not compatible with balancers that have integrated belt grooves.



**A detailed tech video outlining the installation process is available on Vintage Air’s YouTube channel at <http://bit.ly/2m83C7M>.**

**Viewing the tech video along with the written instructions will provide the installer the most detailed installation procedure.**

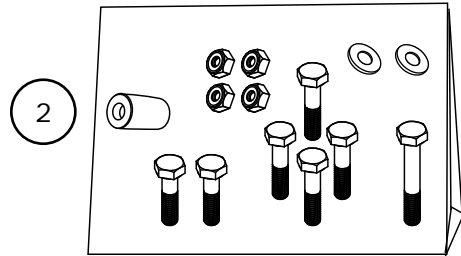
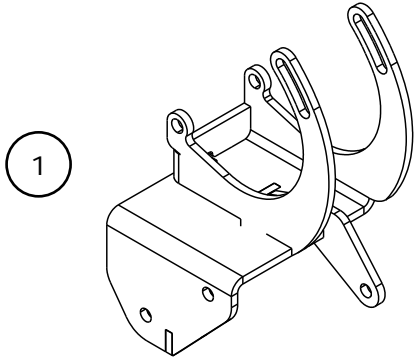


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# Packing List: Compressor Bracket Kit (131005)

No.	Qty.	Part No.	Description
1.	1	137011	Bracket, Compressor
2.	1	191021	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.**

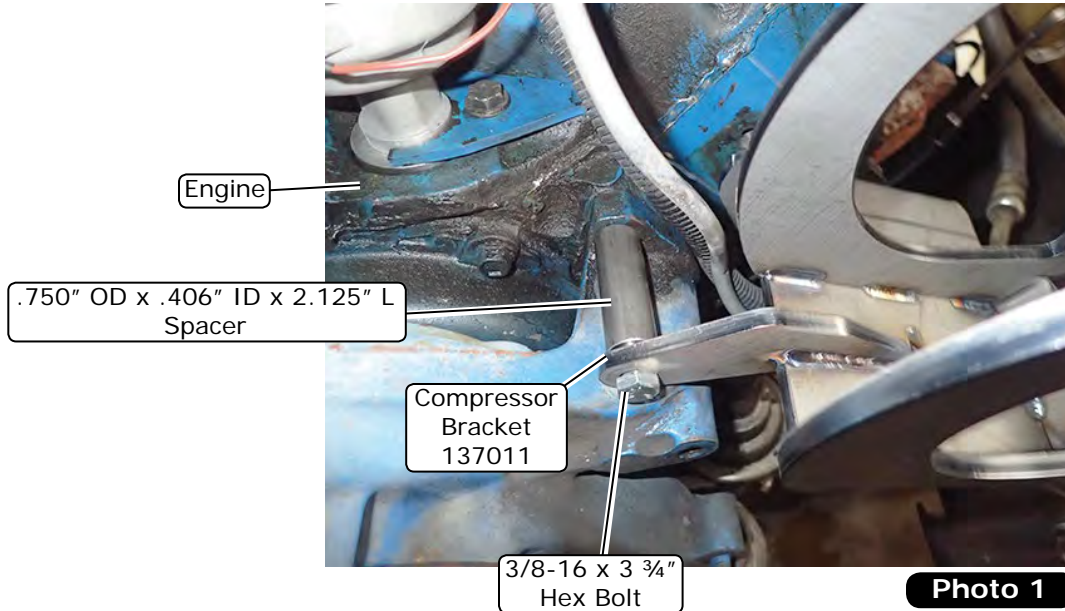


**NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities.**

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

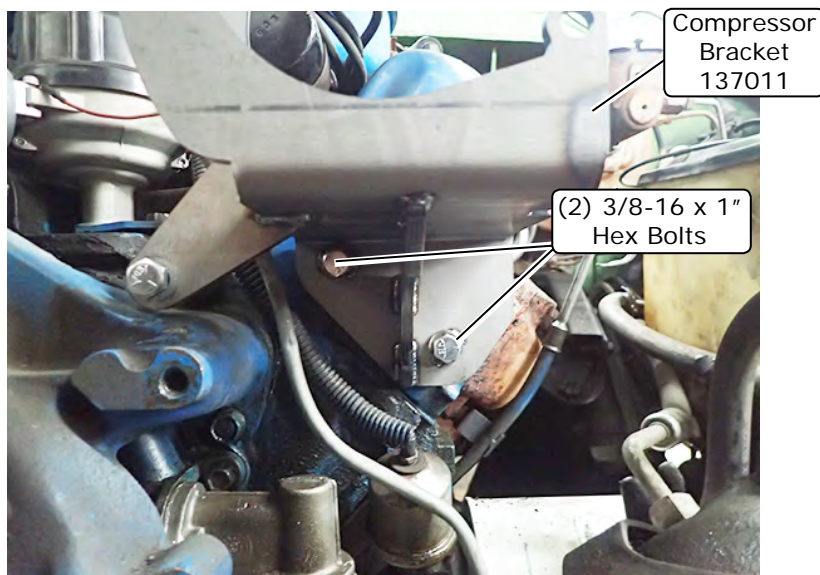
## Compressor Bracket Installation

- Place the 2.125" L spacer between the engine and the compressor bracket. Insert a 3/8-16 x 3 3/4" hex bolt into the bracket and spacer, and thread it into the engine (See Photo 1, below). Hand tighten the bolt.  
**NOTE: Use thread sealer on the hex bolt for this location only.**



## Vehicles without Power Steering

- Using (2) 3/8-16 x 1" hex bolts, secure the compressor bracket as shown in Photo 1, below. **NOTE: Tighten all mounting bolts at this time. Proceed to Compressor Installation on Page 5.**



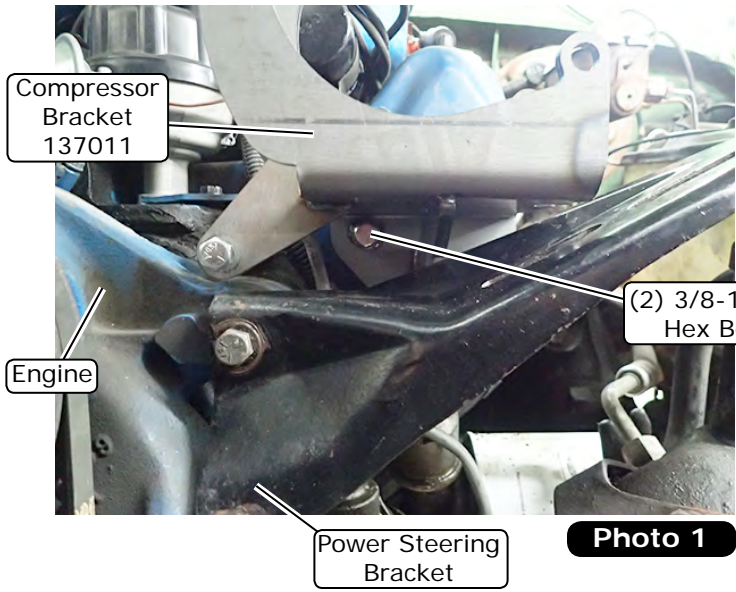


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**NOTE:** Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

## Vehicles with Power Steering

1. Place the compressor bracket between the engine and the power steering bracket, and secure it using (2) 3/8-16 x 1" hex bolts (See Photos 1 & 2, below). **NOTE: Tighten all mounting bolts at this time.**



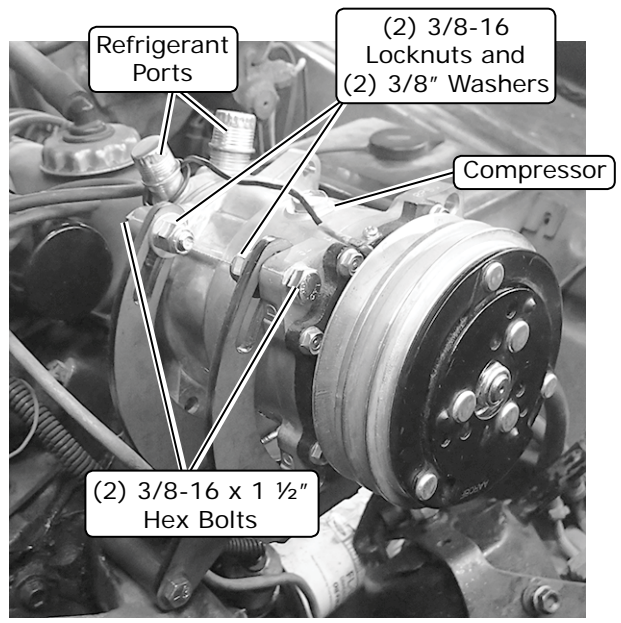
**Photo 1**



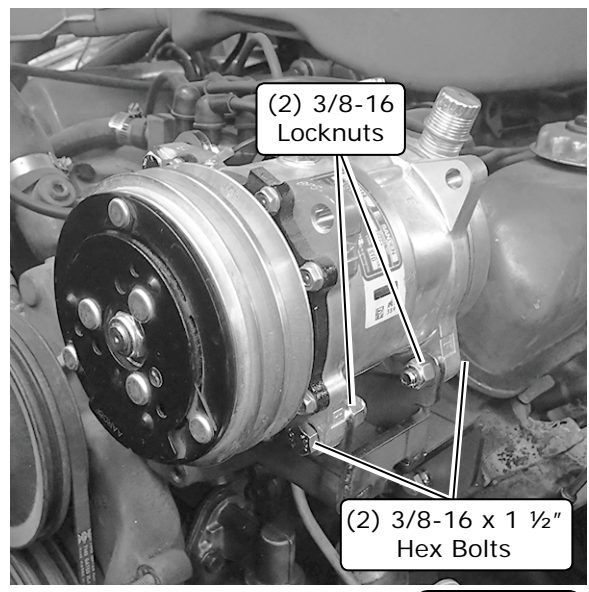
**Photo 2**

## Compressor Installation

1. Using (4) 3/8-16 x 1 1/2" hex bolts, (2) 3/8" washers and (4) 3/8-16 locknuts, install the compressor with the refrigerant ports facing up (See Photos 1 & 2, below). **NOTE: Do not fully tighten the bolts at this time.**



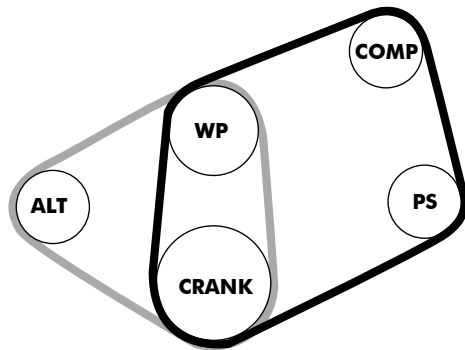
**Photo 1**



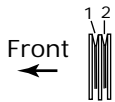
**Photo 2**

## Belt Routing

1. Route belts as shown in Figure 1, below. **NOTE: Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this compressor bracket kit. A compressor belt length of 53 inches is recommended. However, belt lengths may vary depending on the accessories present and the diameter of the water pump, crankshaft, alternator and power steering pulleys.**
2. Fully tighten all compressor mounting bolts at this time.



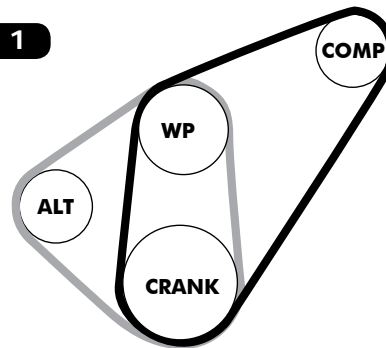
With Power Steering



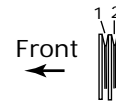
### Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump, Compressor & Power Steering (Front Groove)
2. Crankshaft, Water Pump & Alternator

Figure 1



Without Power Steering



### Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump & Compressor (Front Groove)
2. Crankshaft, Water Pump & Alternator

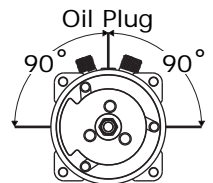
## Compressor Warnings

**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).





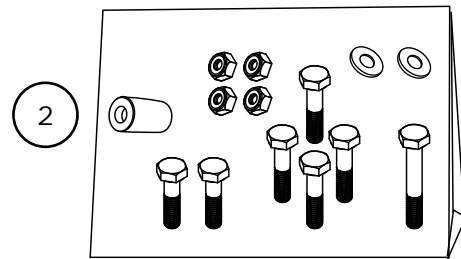
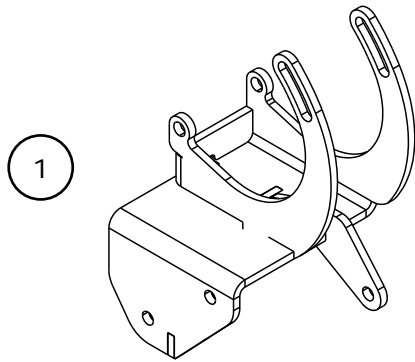


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No.	Qty.	Part No.	Description
1.	1	137011	Bracket, Compressor
2.	1	191021	Hardware Kit

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



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