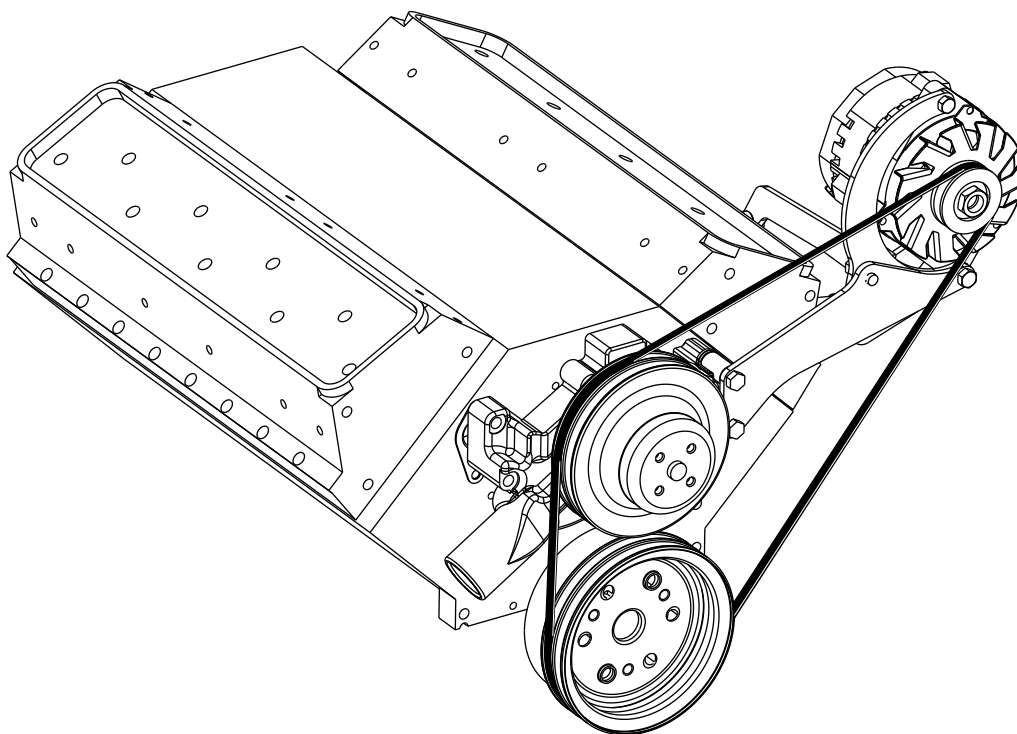




Small Block Chevrolet Short Pump Mid-Mount Alternator Bracket Kit (148100)



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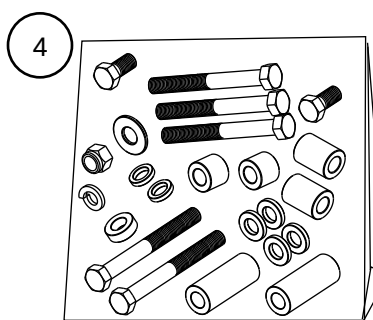
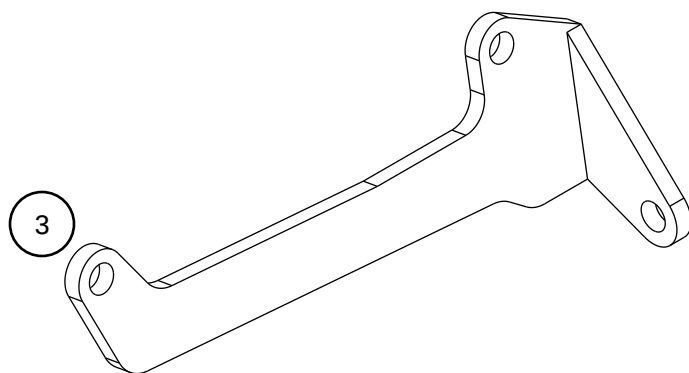
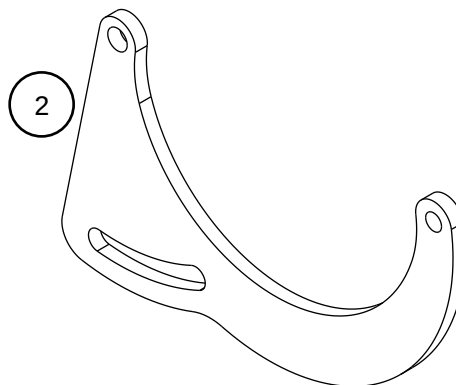
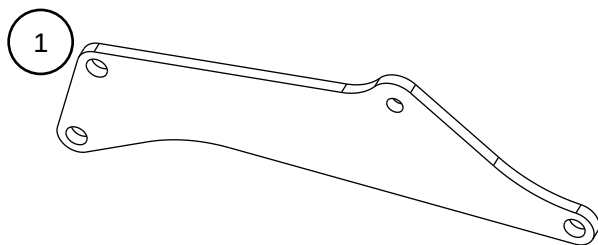


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Packing List: Bracket Kit (148100)

No.	Qty.	Part No.	Description
1.	1	146027	Bracket, Front Mounting
2.	1	14611-SCR	Bracket, Adjuster
3.	1	146026	Bracket, Side Mounting
4.	1	191027	Hardware Kit

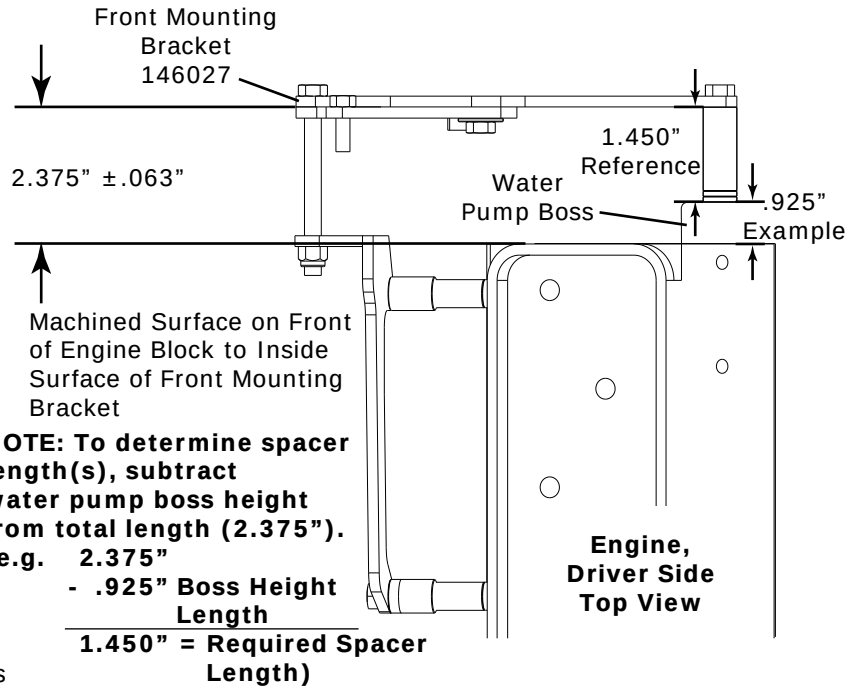
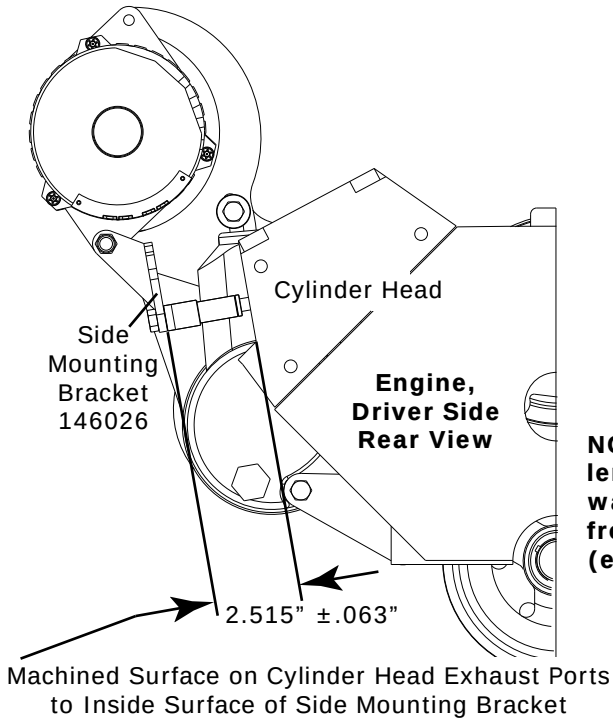
**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**



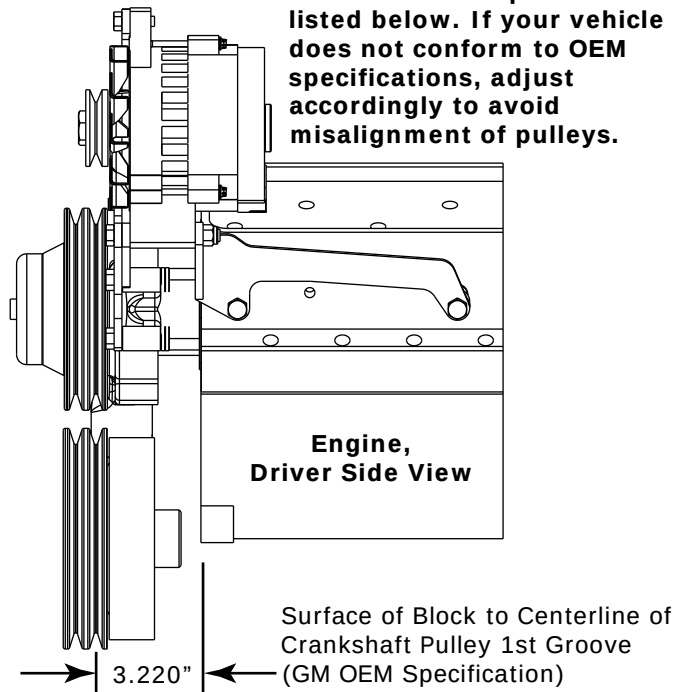
**NOTE: Images may not depict actual parts and quantities.
Refer to packing list for actual parts and quantities.**

Dimensional References

NOTE: Before installing the bracket assembly onto the engine, refer to the dimensional references provided. To ensure proper function, all brackets must be installed to the specified measurements.



NOTE: This kit was designed to the GM OEM specification listed below. If your vehicle does not conform to OEM specifications, adjust accordingly to avoid misalignment of pulleys.

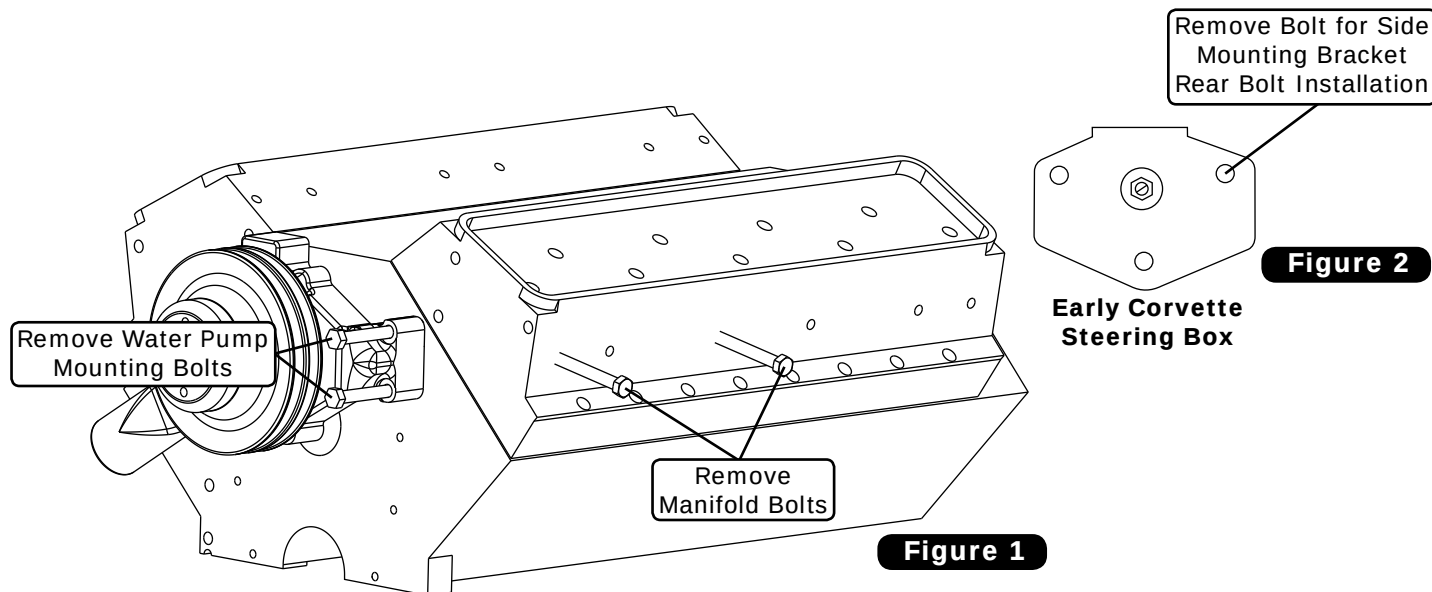


NOTE: Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

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OEM Bolt Removal

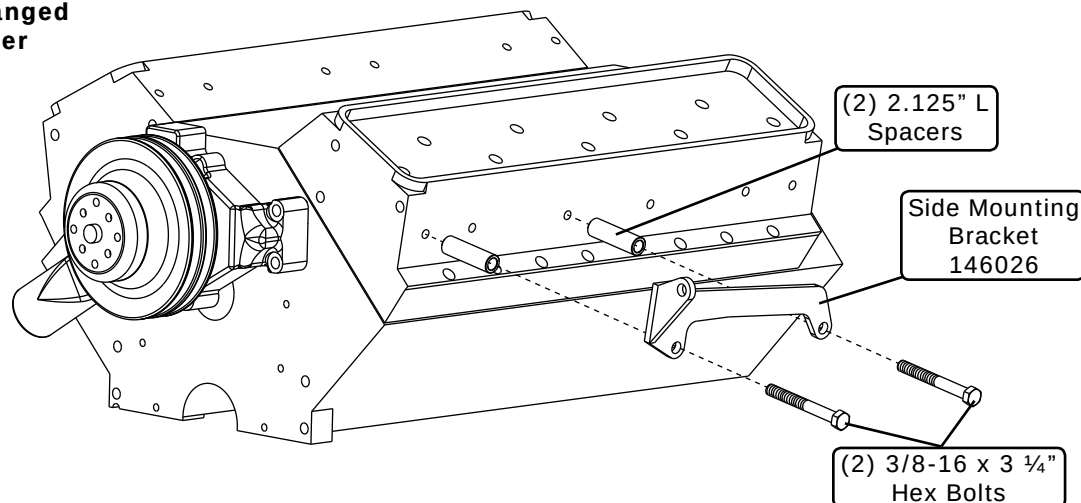
1. Remove the driver side water pump mounting bolts (discard) as shown in Figure 1, below.
2. Remove the 1st and 3rd driver side manifold bolts (discard) as shown in Figure 1, below. **NOTE:** If installing the bracket onto an early model Corvette, a bolt on the steering box will need to be removed in order to install the side mounting bracket (See Figure 2, below).



Side Mounting Bracket Installation

1. Install the side mounting bracket onto the cylinder head using **ONLY** the spacers required. **NOTE:** For applications not listed below or on Page 6, custom length spacers may be substituted as long as the dimensional guidelines are followed.

3/8" Flanged Header

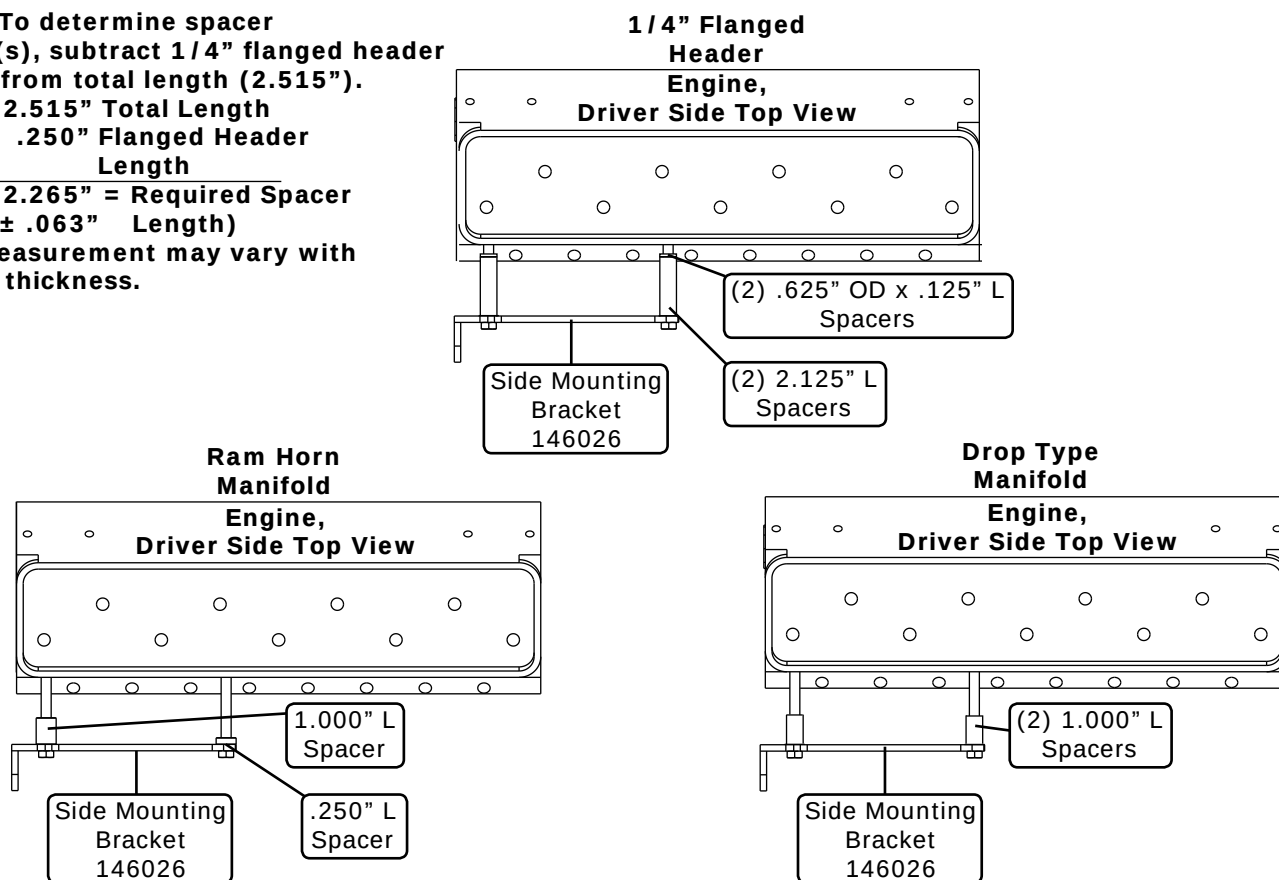


Side Mounting Bracket Installation (Cont.)

NOTE: To determine spacer length(s), subtract 1/4" flanged header height from total length (2.515").

(e.g. 2.515" Total Length
- .250" Flanged Header Length
2.265" = Required Spacer
± .063" Length)

This measurement may vary with gasket thickness.



Adjuster Bracket Installation

1. Install the adjuster bracket onto the alternator using a 5/16-18 x 1" hex bolt as shown in Figure 3, below.

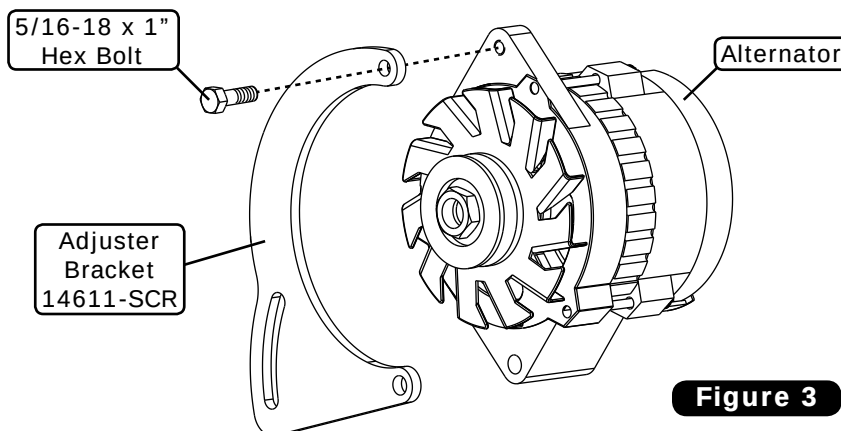


Figure 3

Front Mounting Bracket Installation

1. Install the front mounting bracket onto the water pump ear as shown in Figure 4, below.

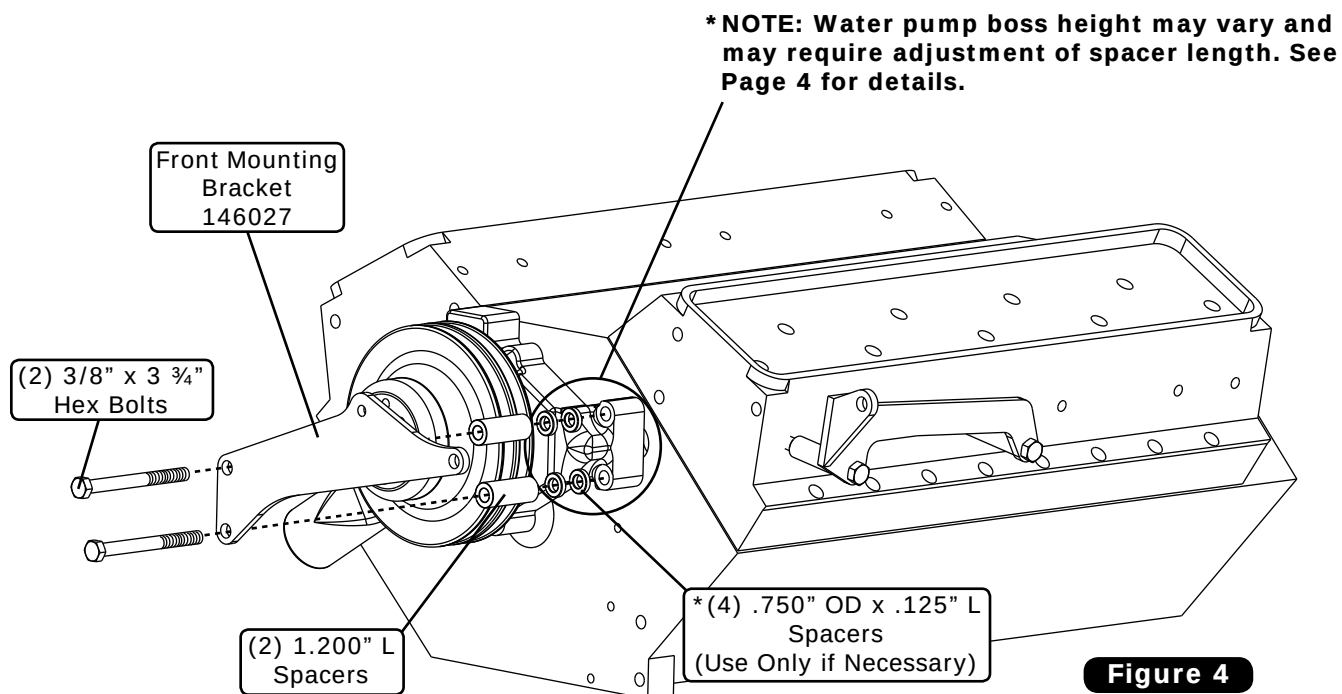


Figure 4

Alternator Assembly Installation

1. Install the alternator assembly using a 3/8-16 x 4" hex bolt and a 3/8" locknut as shown in Figure 5, below.
NOTE: The alternator assembly is installed behind the front mounting bracket and in front of the side mounting bracket.

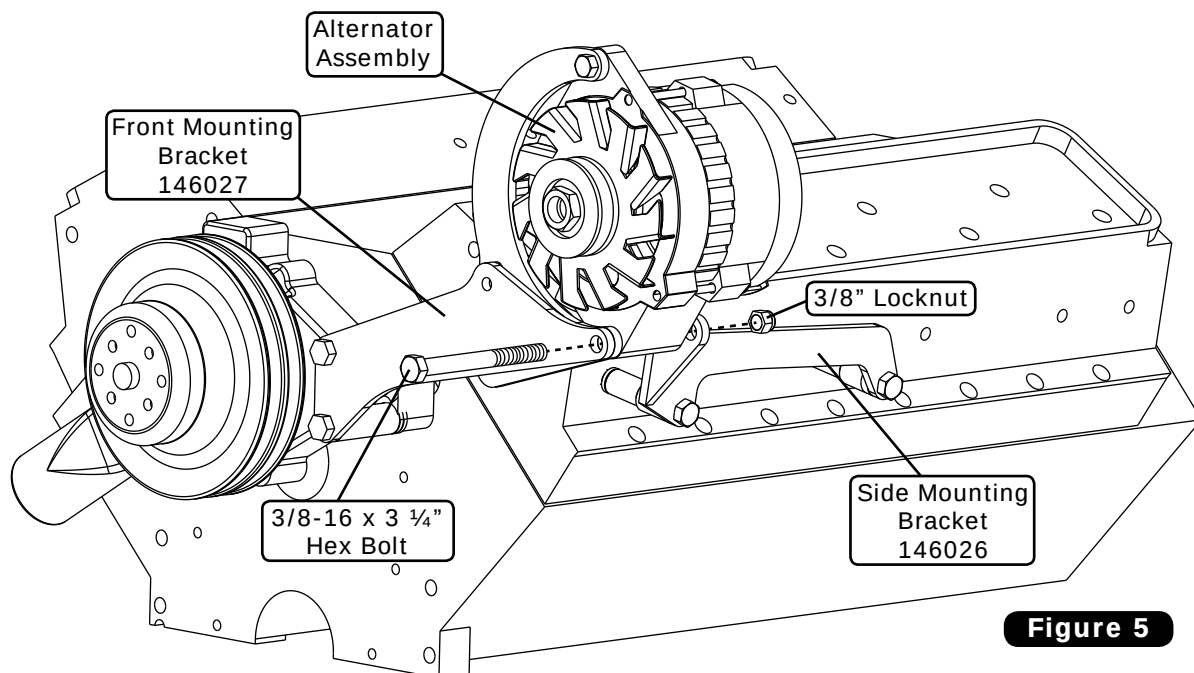


Figure 5

Alternator Assembly Installation (Cont.)

1. Install a 3/8-16 x 1" hex bolt, a 3/8" lock washer and a 3/8" flat washer through the back slot on the adjuster bracket and into the threaded hole on the front mounting bracket as shown in Figure 6, below.

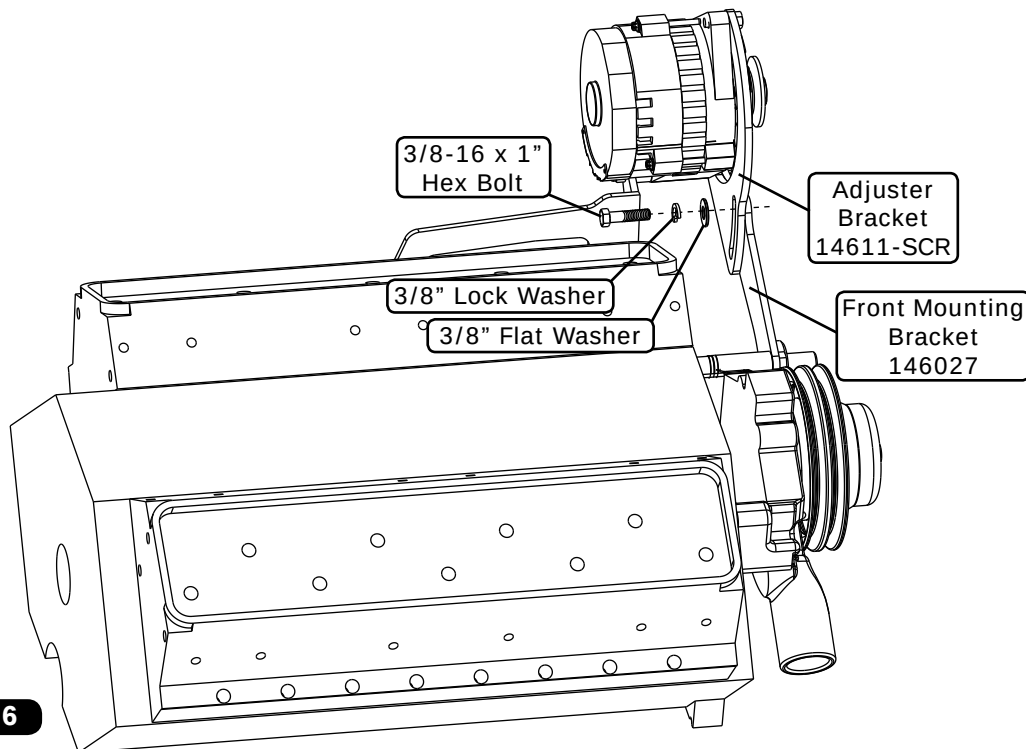
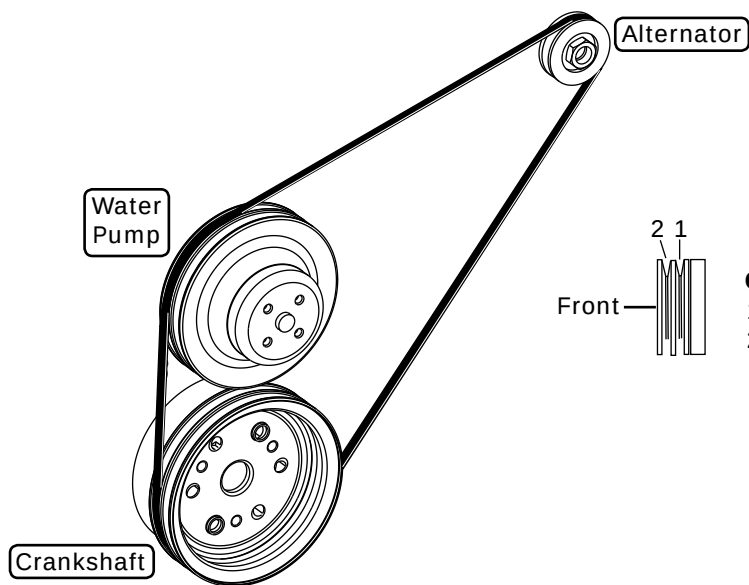


Figure 6

Belt Routing

1. Route belt as shown in Figure 7, below. Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this kit. Any use of lesser-quality belts may cause improper performance. Belt length of 57 inches is recommended. **NOTE: This can vary with the diameter of your water pump and crankshaft pulleys.**



Crankshaft and Water Pump Pulley Grooves:

1. Crankshaft, Water Pump, Alternator
2. Not Applicable

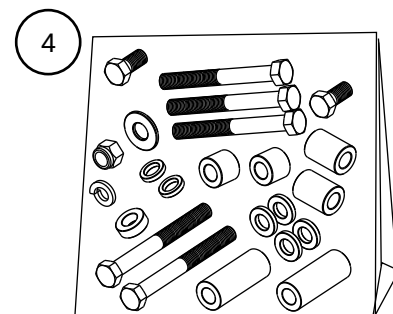
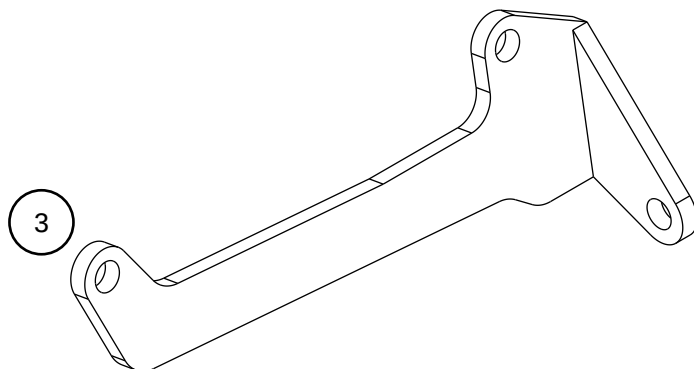
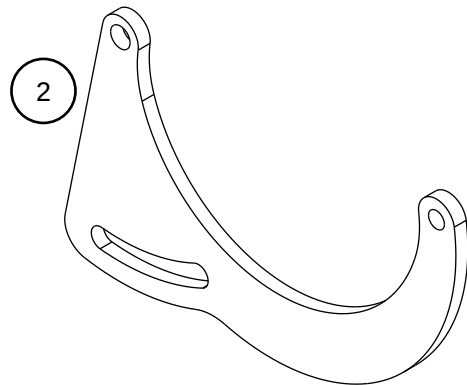
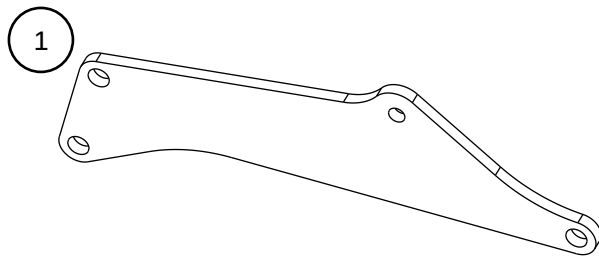


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Checked By: _____
Packed By: _____
Date: _____



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