



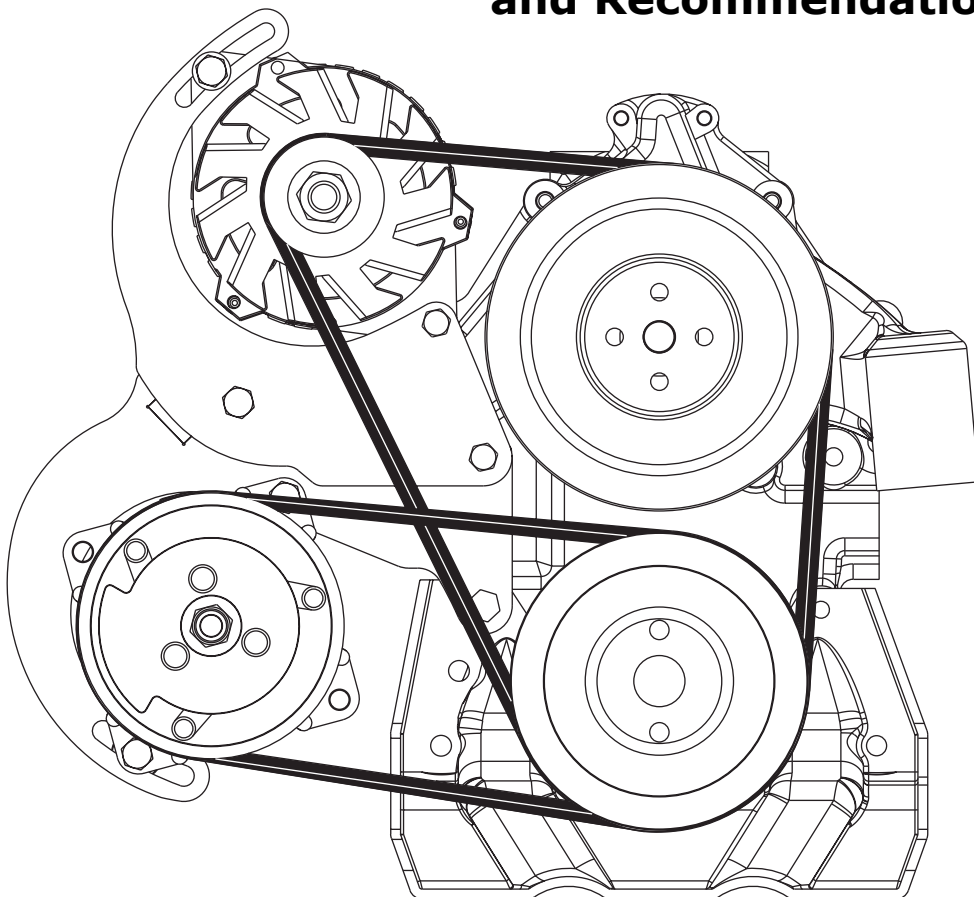
Ford Y Block

Compressor/Alternator Bracket Kit

131111

Fits:
Passenger Cars and F-100 Trucks
without OEM Front-Crossover Exhaust
(Will Not Fit Thunderbird Applications)

***See Page 2 for Additional Requirements**
and Recommendations



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Additional Info: Please Read Before Beginning

Alternator Requirements:

This bracket kit is designed for use with GM 10SI and 12SI alternators only. The following 12SI alternators are available from Vintage Air:

- 09100-VUA**—100-Amp GM Standard Finish
- 09100-VUQ**—100-Amp GM All Chrome Finish
- 09140-VUA**—140-Amp GM Standard Finish
- 09140-VUQ**—140-Amp GM All Chrome Finish

Additional Recommended Components:

- OEM Single-Groove Harmonic Balancer
- 2-Groove Aluminum Crankshaft Pulley (Vintage Air Part Number 730004)
- Rear-Exit Compressor (Vintage Air Part Number 047000-SUR)

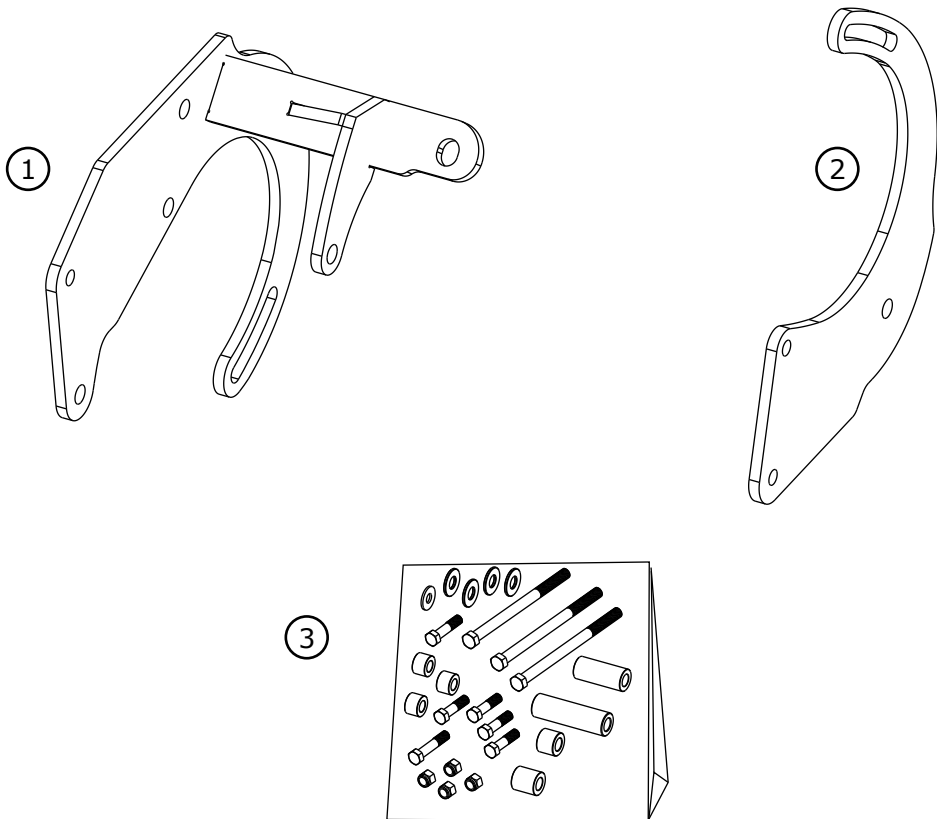
NOTE: This kit is designed for use with these recommended components. However, OEM multi-groove harmonic balancers or OEM cast iron add-on pulleys may be substituted.



Packing List: Ford Y Block Compressor/Alternator Bracket Kit (131111)

No.	Qty.	Part No.	Description
1.	1	137010	Ford Y Block Compressor Assembly Bracket
2.	1	136030	Ford Y Block Alternator Mounting Bracket
3.	1	191035	Ford Y Block Compressor/Alternator 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.**

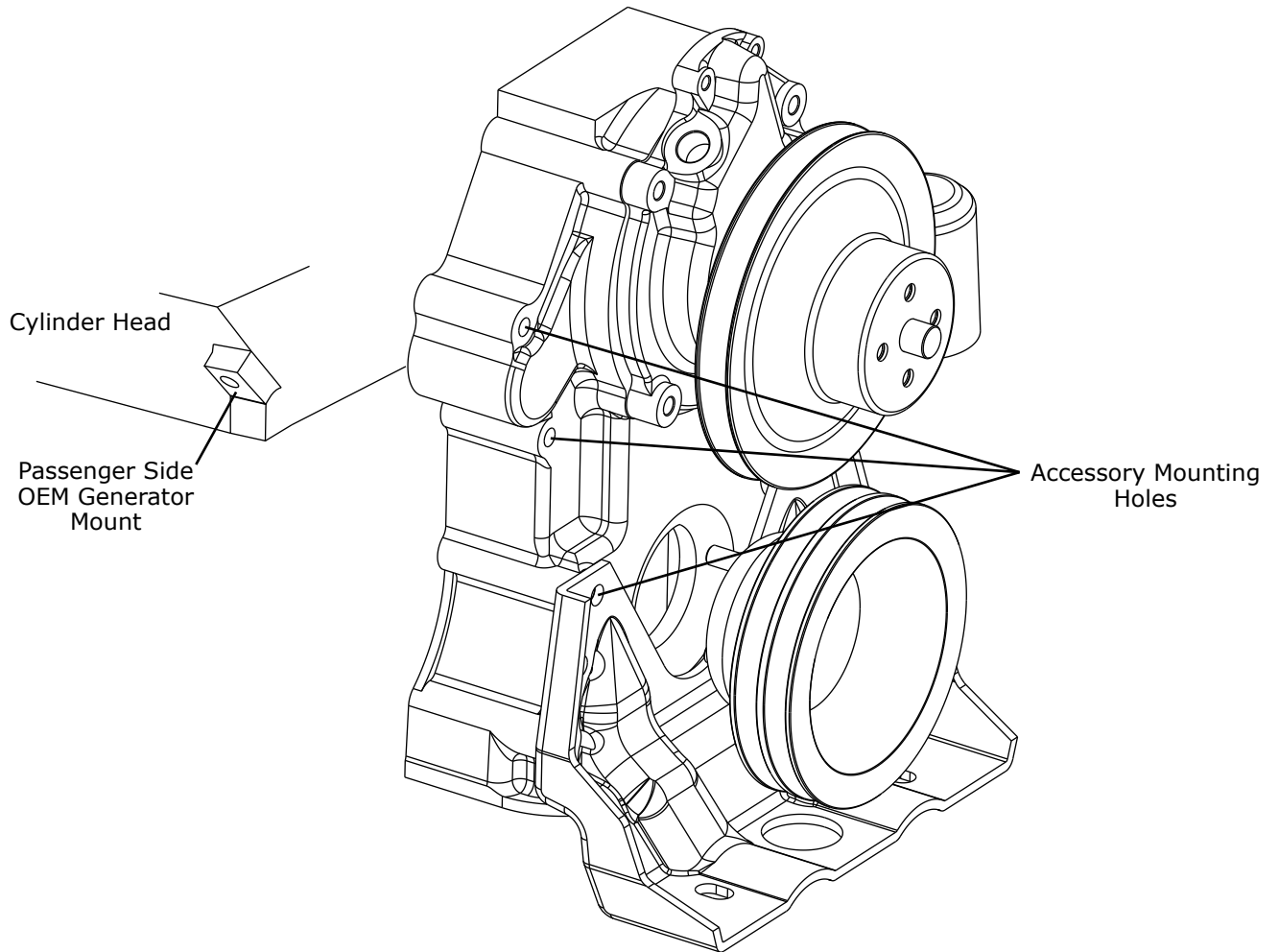




NOTE: Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

Accessory Mounting Holes

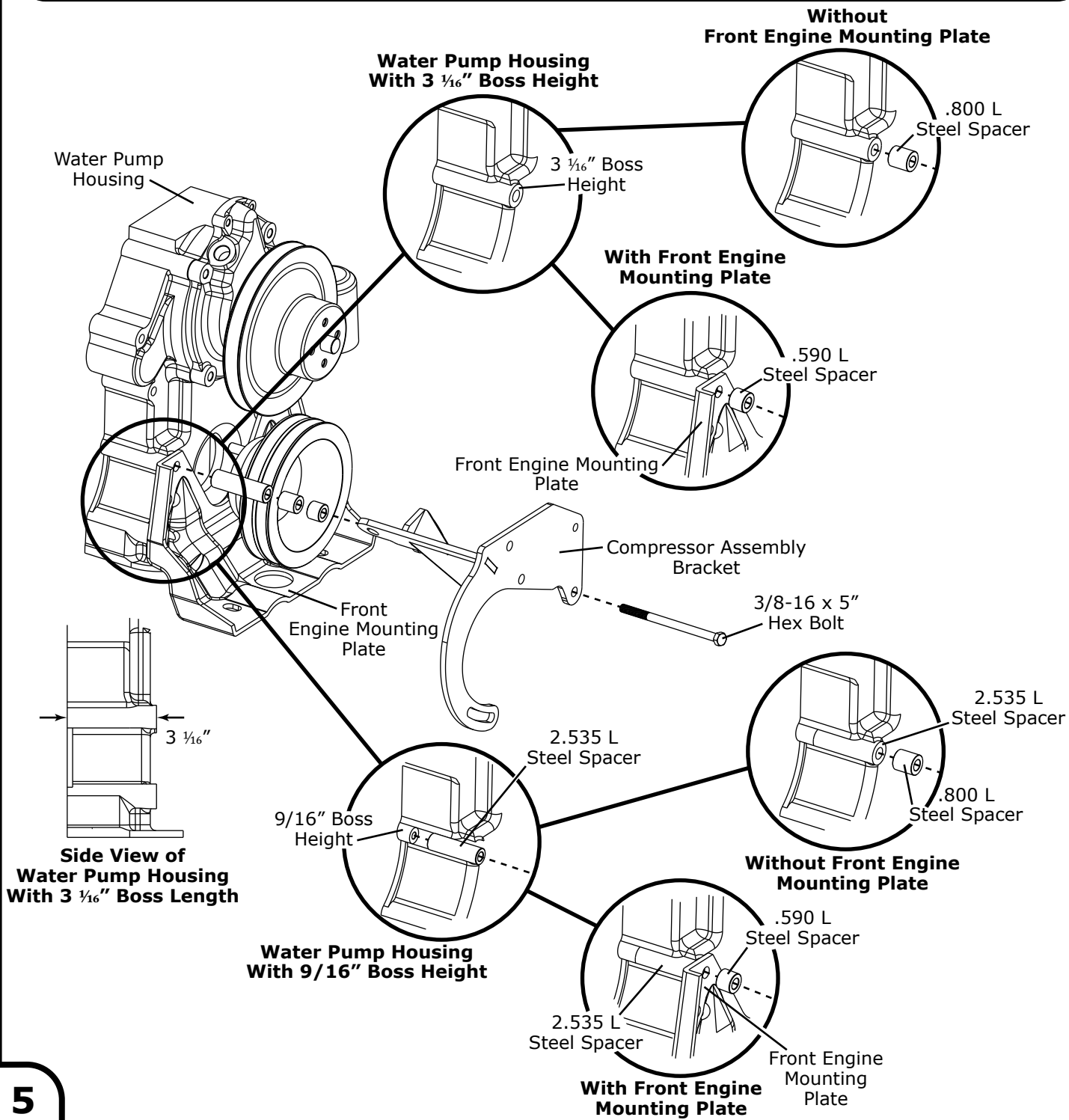
1. As shown below, locate accessory mounting holes both on water pump housing and on OEM generator mount on passenger side of cylinder head.





Compressor Assembly Bracket Installation

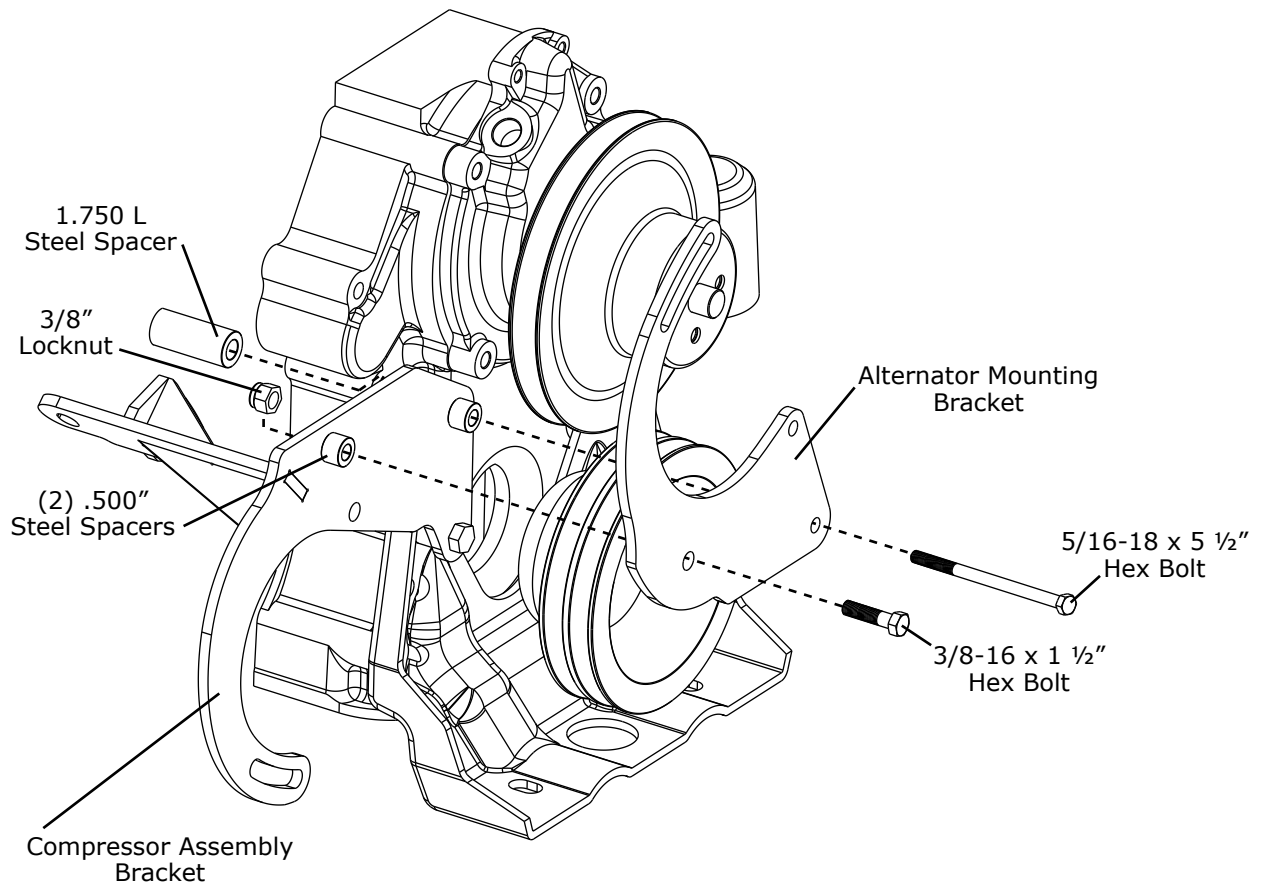
- Using the illustration below, determine which configuration is being used, and install compressor assembly bracket with appropriate steel spacers. **NOTE: There may be configurations not listed below that would require the use of customized spacers. Use spacers to achieve nominal value of $3 \frac{1}{16}$ " as shown in side view of water pump housing, below.**
- Install $3/8$ -16 x 5" hex bolt and corresponding spacer(s), as shown below. **NOTE: Do not tighten assembly at this time.**





Alternator Mounting Bracket Installation

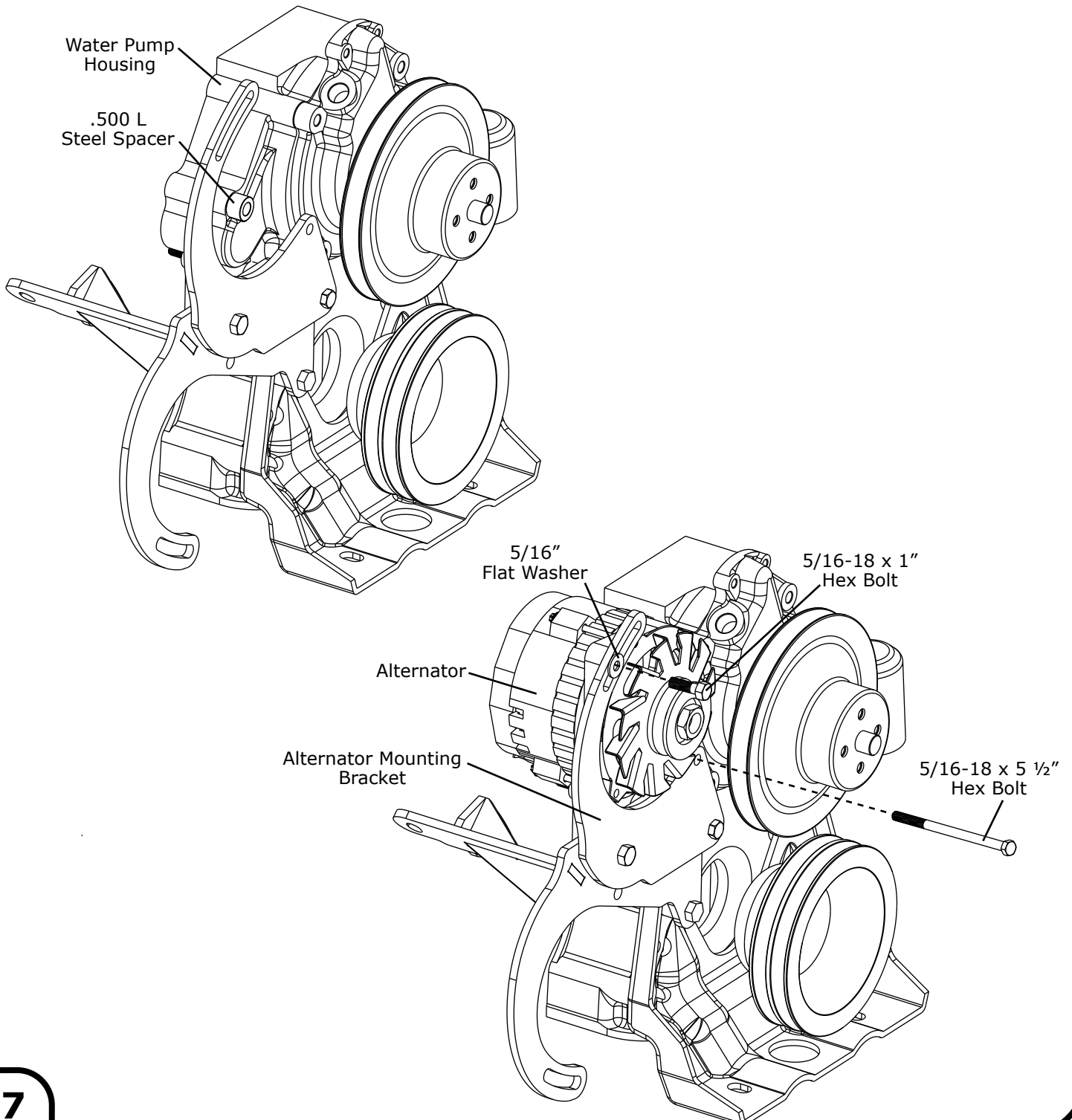
1. Install 1.750 length steel spacer behind compressor assembly bracket, and place .500" length steel spacer in front of compressor assembly bracket. Install alternator mounting bracket with 5 1/2" hex bolt as shown below.
2. Place .500" steel spacer behind alternator mounting bracket and in front of compressor assembly bracket. Secure with 1 1/2" hex bolt and 3/8" locknut as shown below.





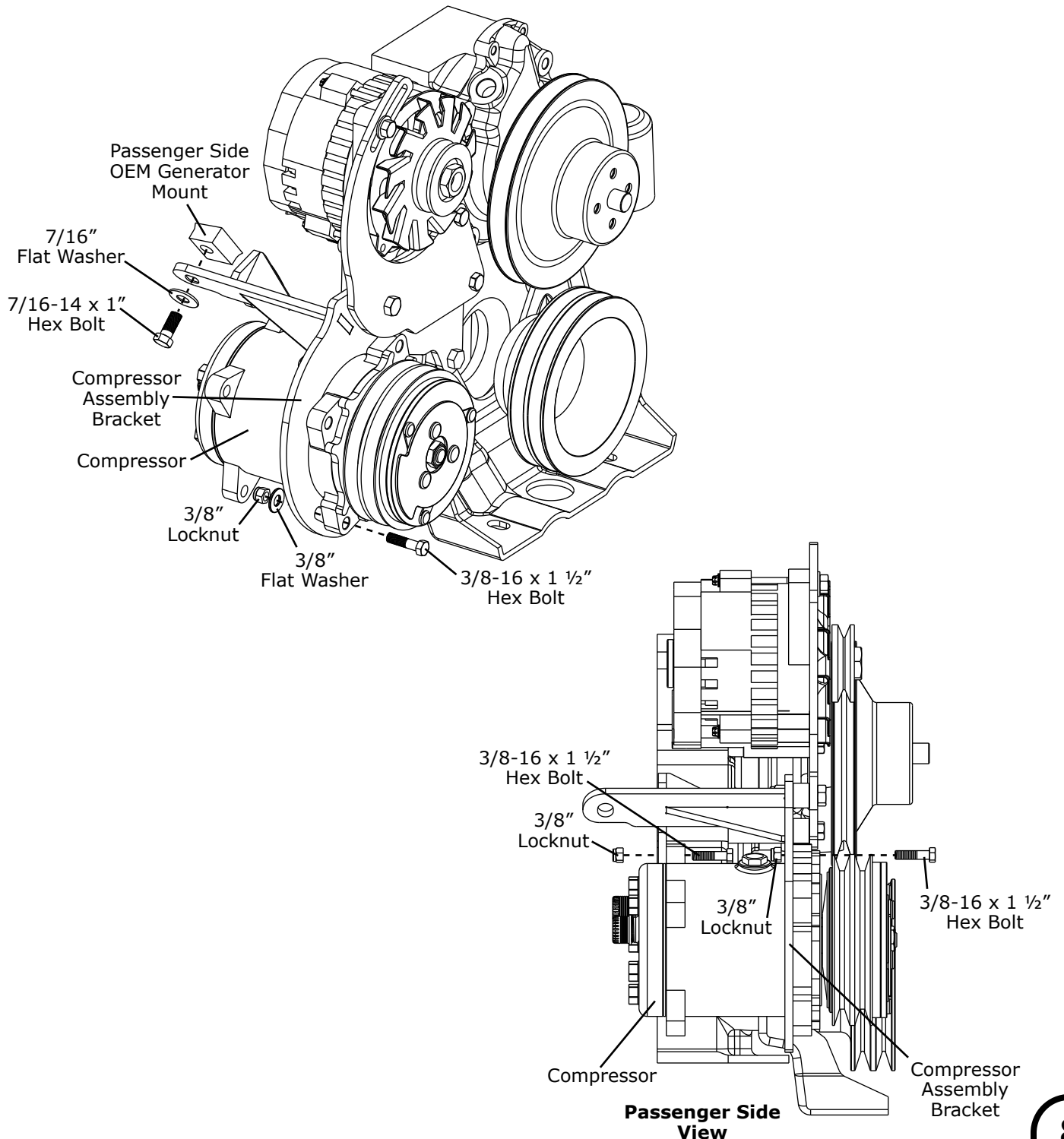
Alternator Installation

1. Place .500 length steel spacer on water pump housing mounting hole as shown below.
2. Insert alternator behind alternator mounting bracket and secure with 5/16-18 x 5 1/2" hex bolt as shown below.
NOTE: 5/16-18 x 5 1/2" hex bolt will be inserted through alternator mounting bracket, alternator mounting tab and .500 length steel spacer.
3. Install 5/16-18 x 1" hex bolt and 5/16" flat washer through the slot on the alternator mounting bracket, and into the alternator mounting tab as shown below.



Compressor Installation

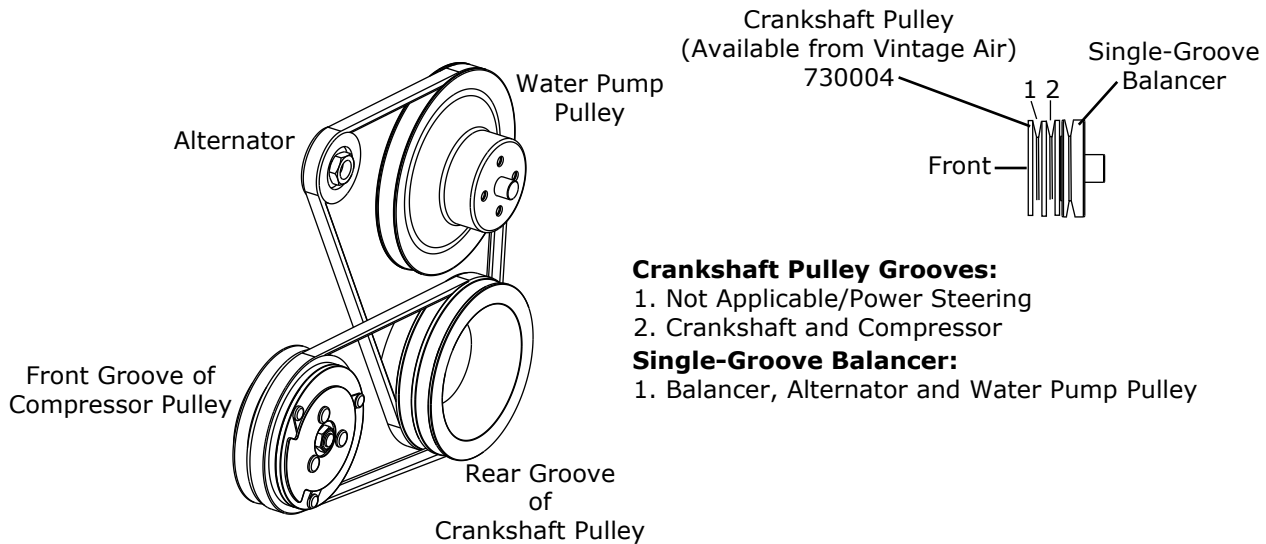
1. Install a 7/16-14 x 1" hex bolt and 7/16" flat washer through the compressor assembly bracket and into the OEM generator mount located on the passenger side of the cylinder head as shown below.
2. Install compressor onto compressor assembly bracket, and secure with (2) 3/8-16 x 1 1/2" hex bolts and (2) 3/8" locknuts as shown below.
3. Install a 3/8-16 x 1 1/2" hex bolt through the compressor mounting tab and compressor assembly bracket slot. Secure with a 3/8" flat washer and locknut as shown below.





Belt Routing

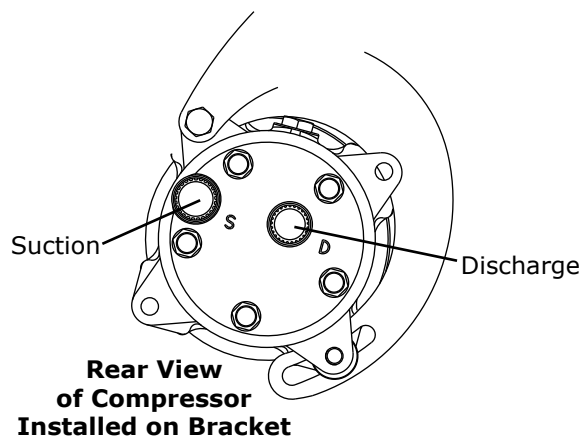
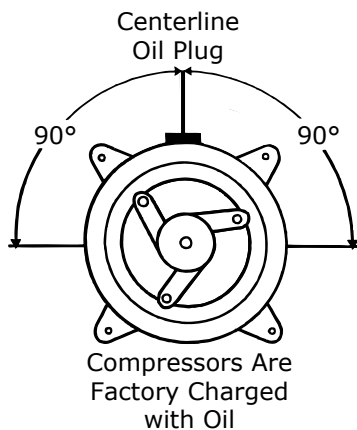
- Route belts as shown below. Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this compressor/alternator bracket kit. Any use of lesser-quality belts may cause improper performance. Compressor belt length of 35 3/8" is recommended. Alternator belt length of 41 3/8" is recommended. **NOTE: Belt lengths can vary with the diameter of your water pump and crankshaft pulleys.**



Compressor Warnings

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

- 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.
- Do not connect compressor clutch wire until system is being charged with refrigerant. Running compressor without refrigerant charge will result in compressor failure.



IMPORTANT NOTICE:

Do not connect compressor clutch wire until system is being charged with refrigerant. Running compressor without refrigerant will destroy compressor and void warranty.



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Checked By: _____
 Packed By: _____
 Date: _____

