

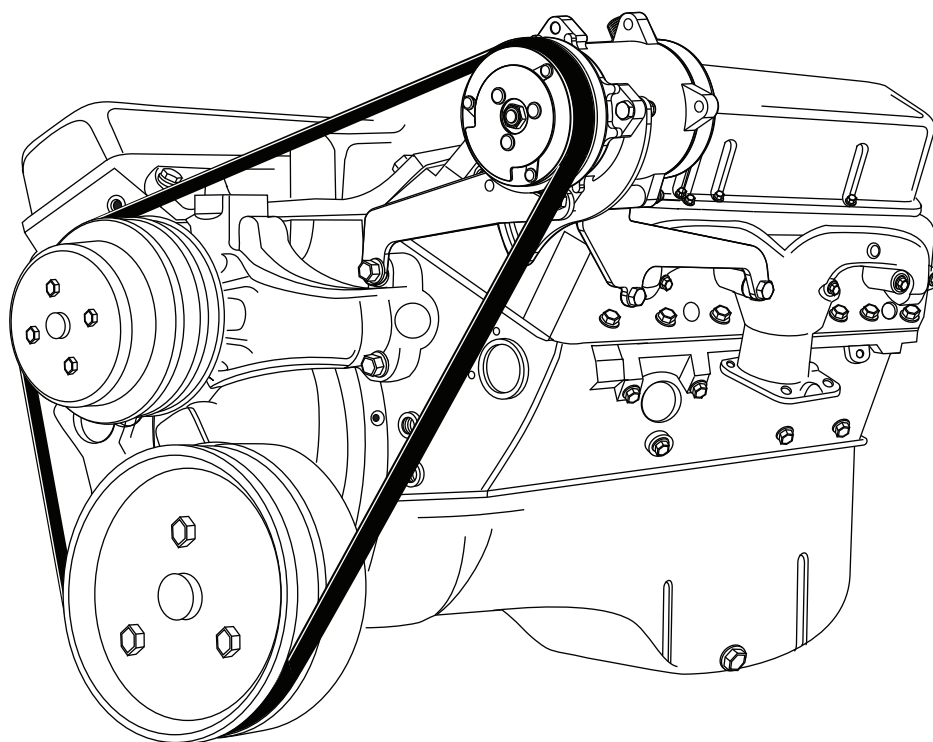


Small Block Chevrolet

Compressor Bracket Kit

Long Pump, Driver Side

(15123-VCB)



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Table of Contents

Cover.....	1
Table of Contents.....	2
Packing List/Parts Disclaimer.....	3
Dimensional References, OEM Bolt Removal.....	4
Power Steering Bracket Modification.....	5
Rear Mounting Bracket Installation.....	6
Rear Mounting Bracket Installation (Cont.), Front Mounting Bracket Installation.....	7
Compressor Mounting Bracket Installation.....	8
Compressor Mounting Bracket Installation (Cont.), Belt Routing.....	9
Compressor Warnings.....	10
Packing List.....	11

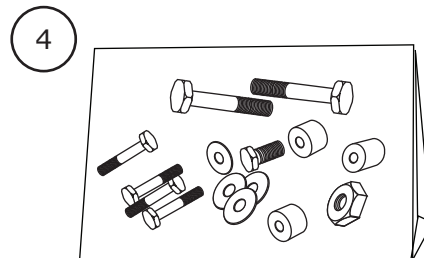
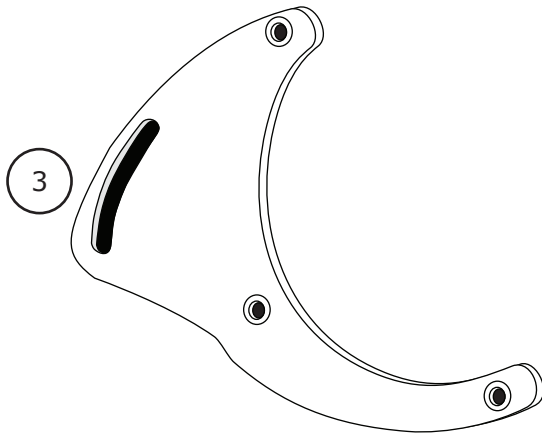
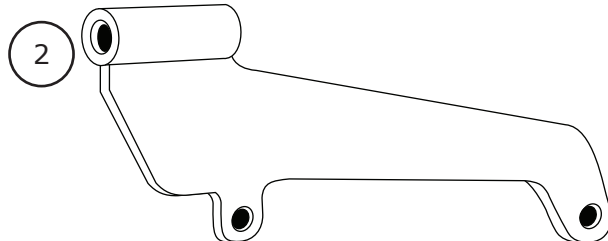
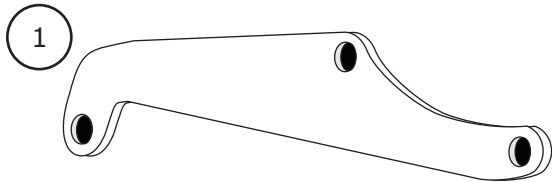


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Packing List: Bracket Kit (15123-VCB)

No.	Qty.	Part No.	Description
1.	1	146001-SCR	Bracket, Front Mounting
2.	1	146004-SCA	Bracket, Rear Mounting
3.	1	146006-SCR	Bracket, Compressor Mounting
4.	1	191123-HCA	Hardware Kit

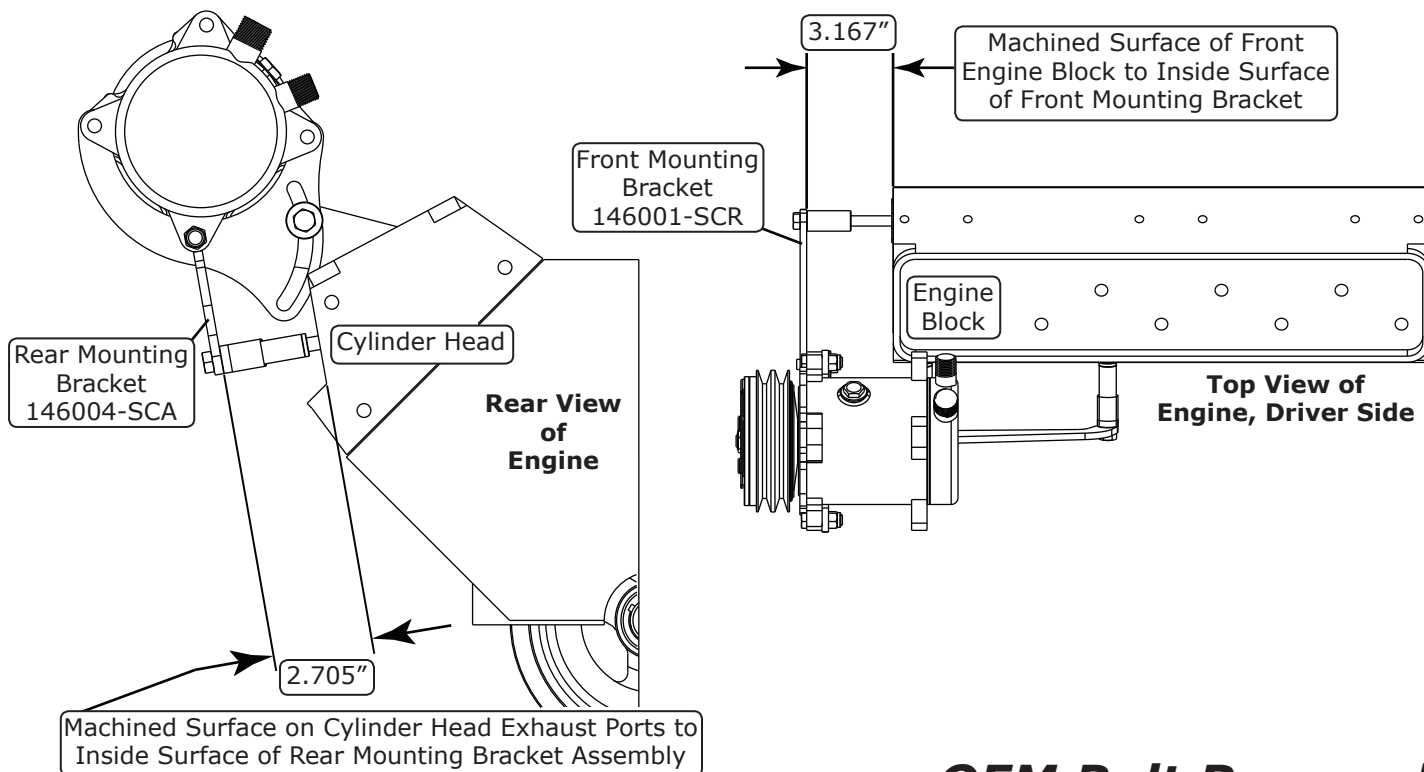
**** Before beginning installation, open all packages and check contents of shipment.
Please report any shortages directly to Vintage Air within 15 days. After 15 days,
Vintage Air will not be responsible for missing or damaged items.**



**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. Brackets must be installed to the specified measurements, or the compressor bracket kit will not function correctly.



OEM Bolt Removal

1. Remove the driver side top water pump mounting bolt (discard) as shown in Figure 1, below.
2. Remove the 1st and 3rd driver side manifold bolts (discard) as shown in Figure 1, below.

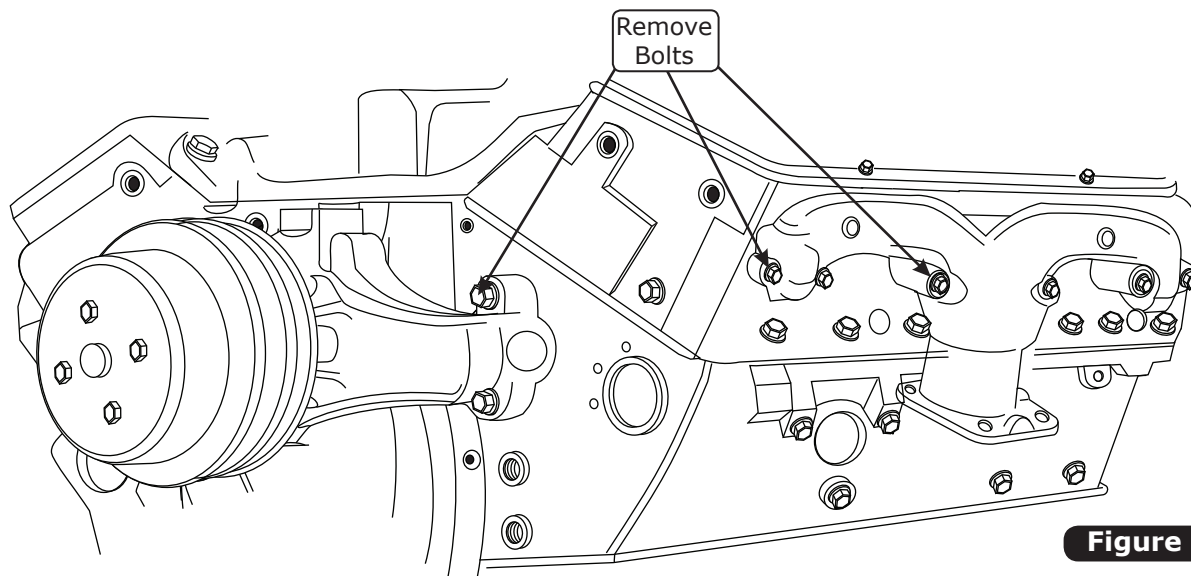


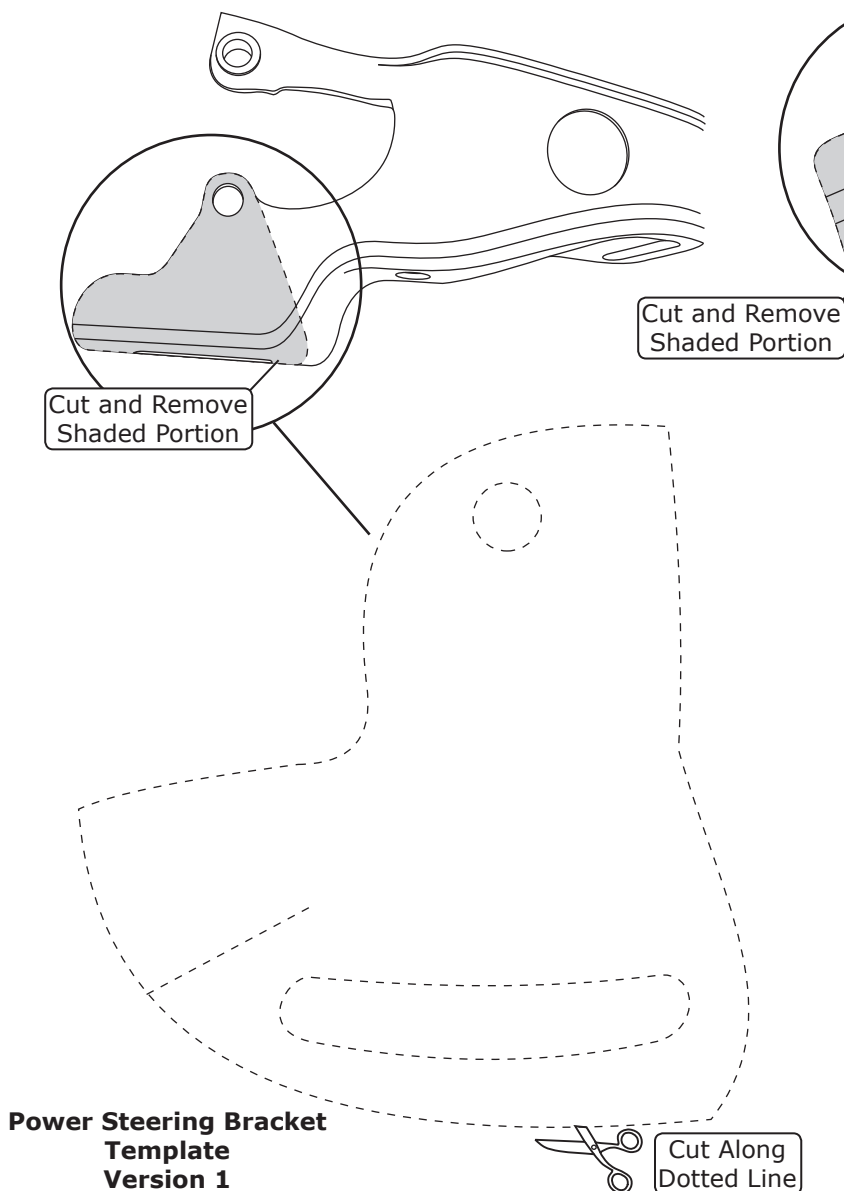
Figure 1

Power Steering Bracket Modification (If Necessary)

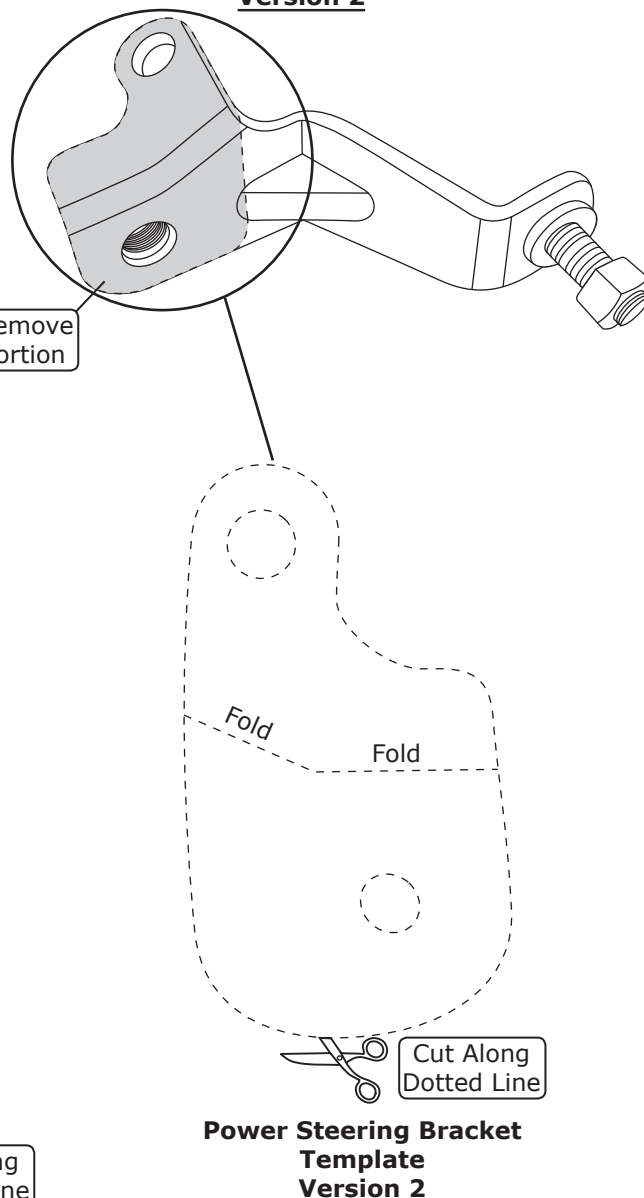
NOTE: Some OEM power steering brackets may interfere with the new compressor bracket location. If there is interference, it will be necessary to trim the power steering bracket as needed to provide clearance. Listed below are instructions to modify (2) of the most common OEM power steering brackets on Small Block Chevrolet engines.

1. Remove the template by cutting along the dashed lines. Align the template hole and adjustment slot with the hole and adjustment slot on the power steering bracket.
2. Mark the power steering bracket around the perimeter of the template.
3. Cut and remove the shaded portion of the power steering bracket as shown below.
4. Discard the A/C compressor mounting portion of the power steering bracket.
5. Reinstall the power steering bracket onto the power steering pump.

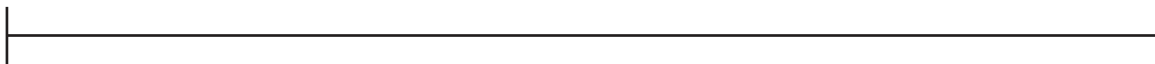
Version 1



Version 2



NOTE: Due to printing variances, measure the line below before using this template. If template is scaled properly, the line should measure 6 inches.

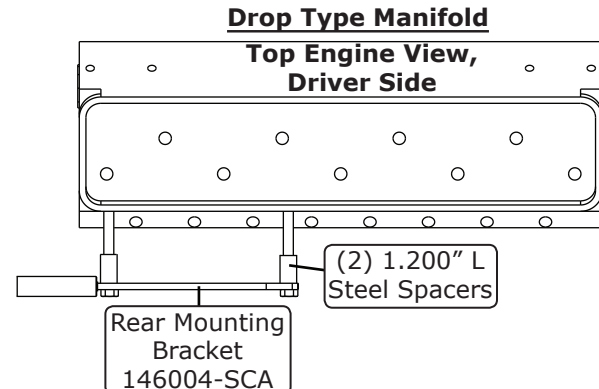
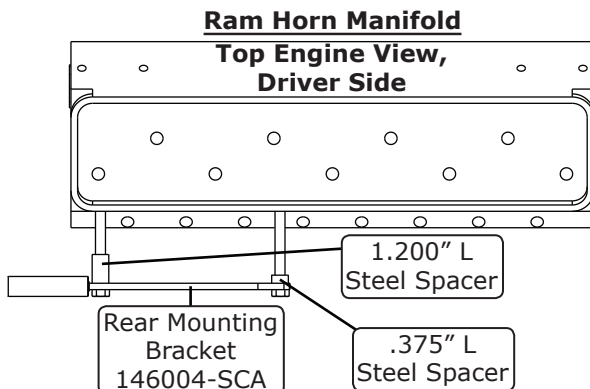
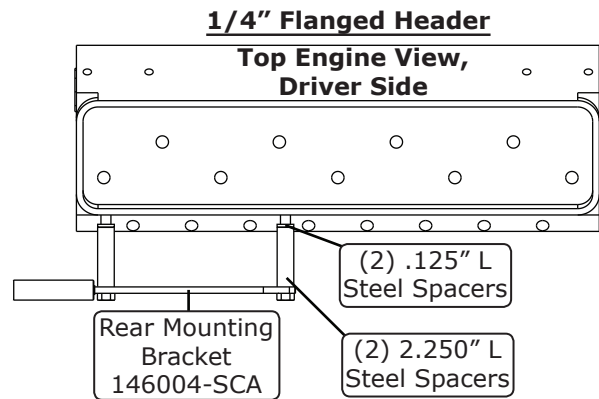
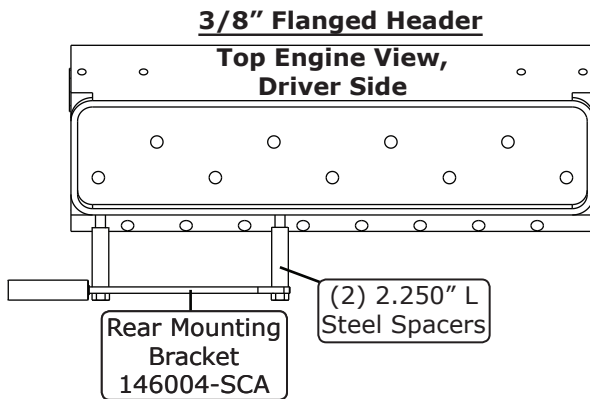
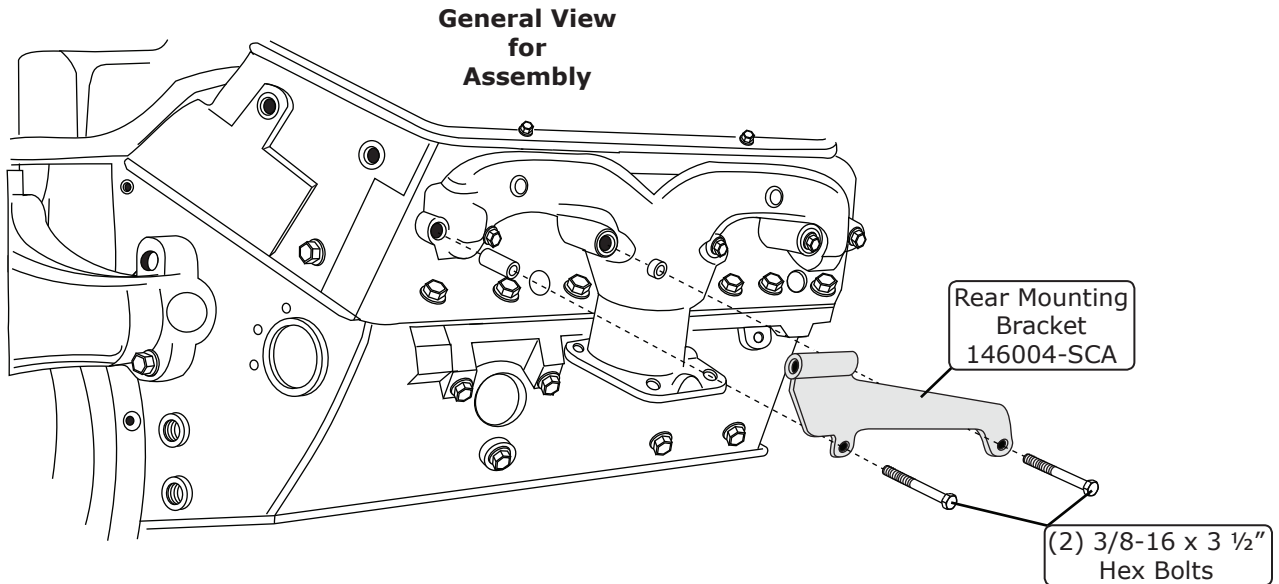


NOTE: Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

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Rear Mounting Bracket Installation

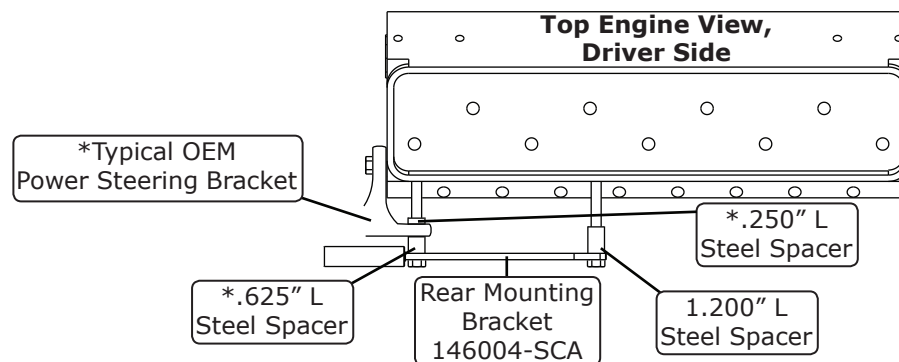
1. Install the rear mounting bracket onto the cylinder head using **ONLY** the steel spacers required for the applications shown below or on Page 7. **NOTE: For applications not listed below or on Page 7, custom length spacers may be substituted as long as the dimensional guidelines are followed.**



Rear Mounting Bracket Installation (Cont.)

***NOTE:** Depending on vehicle model and year, custom length spacers may be required for use with the power steering bracket. The power steering bracket may also require additional modifications for proper clearance around the compressor bracket (See Page 5).

Typical OEM GM Power Steering Bracket with Manifold



Front Mounting Bracket Installation

1. Install the front mounting bracket onto the water pump ear as shown in Figure 2, below.

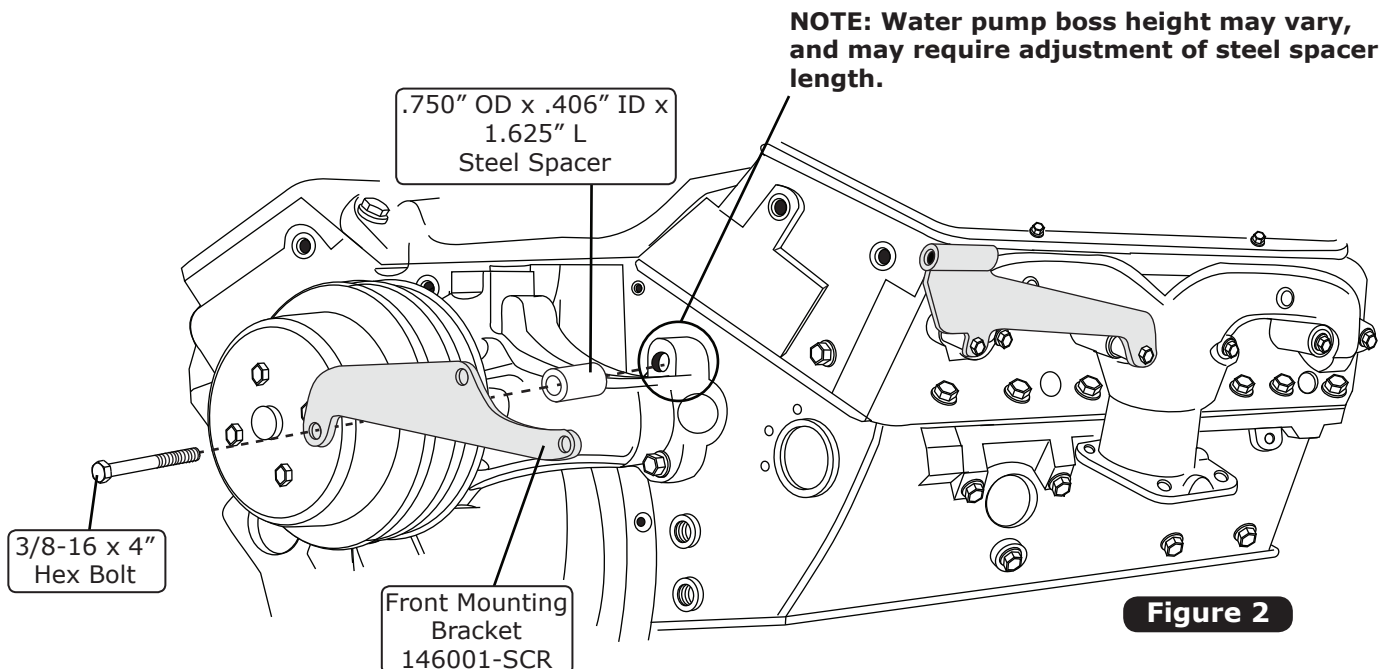
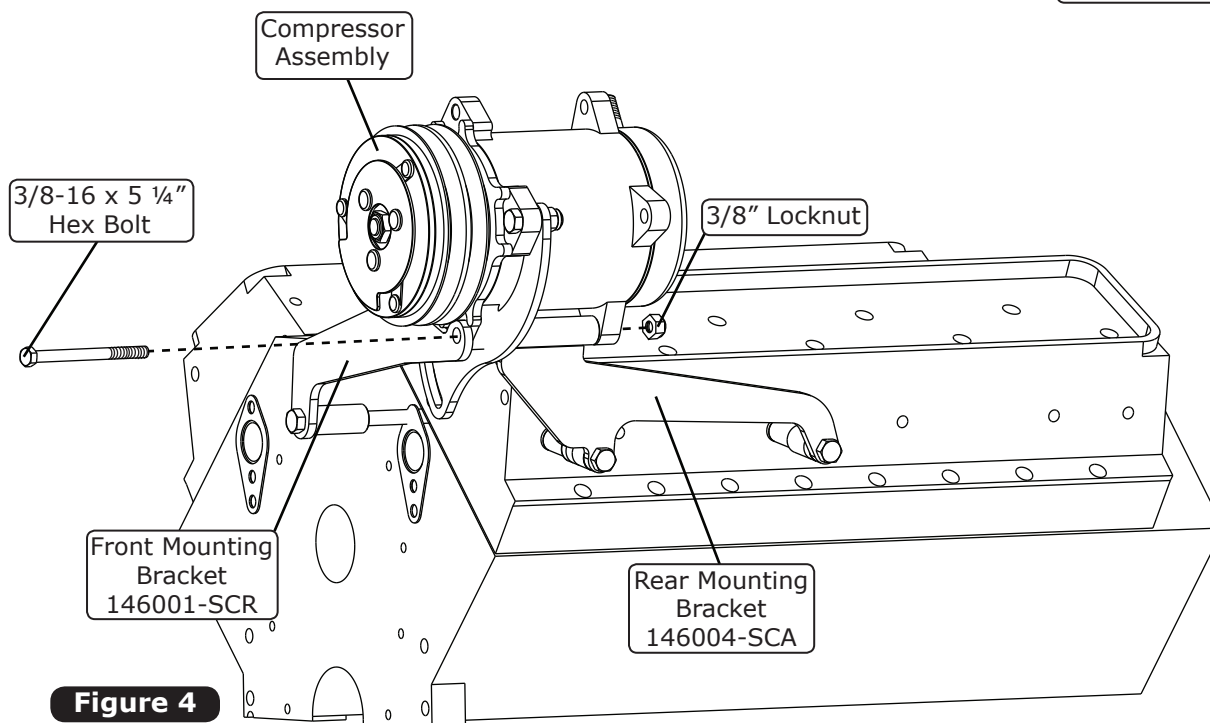
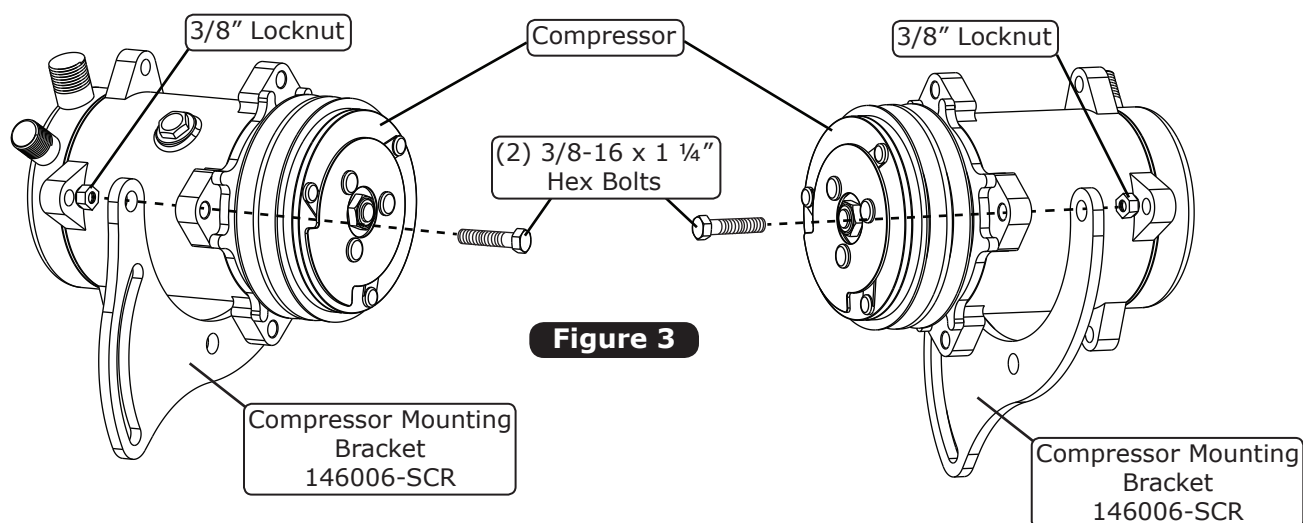


Figure 2

Compressor Mounting Bracket Installation

1. Install the compressor mounting bracket onto the compressor using (2) 3/8-16 x 1 1/4" hex bolts and (2) 3/8" locknuts as shown in Figure 3, below.
2. Install the compressor assembly onto the front and rear mounting brackets using a 3/8-16 x 5 1/4" hex bolt and a 3/8" locknut as shown in Figure 4, below.



Compressor Mounting Bracket Installation (Cont.)

1. Install the .750" OD x .406" ID x .563" L steel spacer in front of the compressor mounting bracket and behind the front mounting bracket. Install the 3/8-16 x 1 1/4" hex bolt and 3/8" flat washer through the slot behind the compressor mounting bracket into the steel spacer, and then into the threaded hole on the front mounting bracket as shown in Figure 5, below.

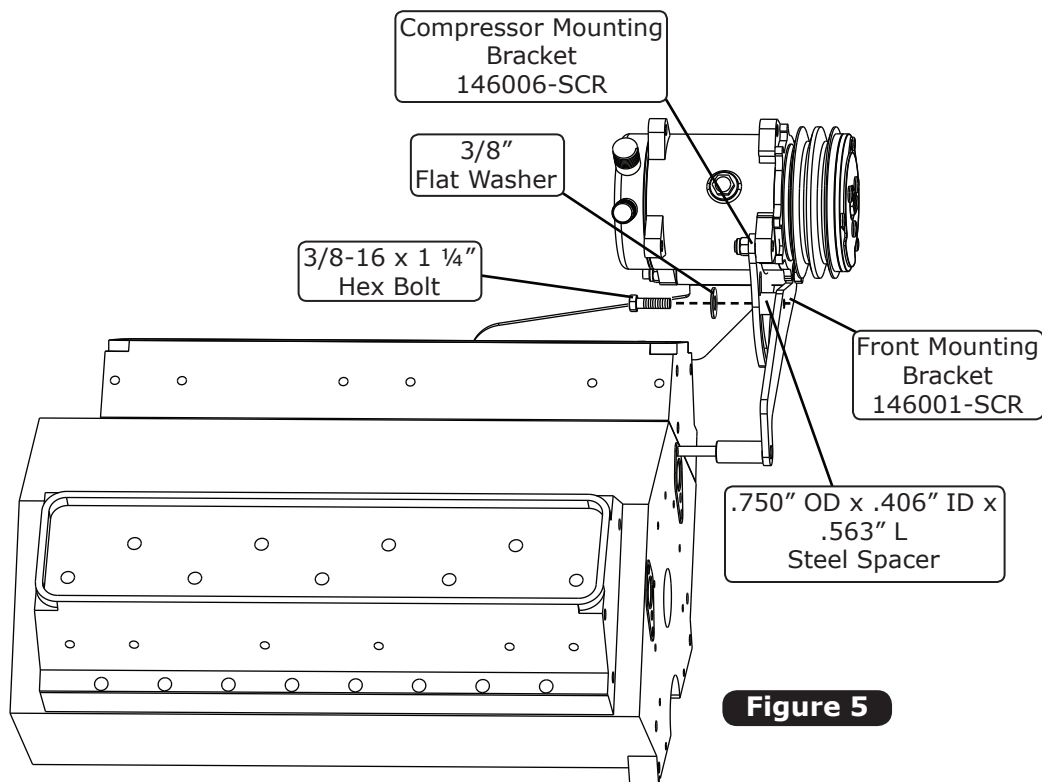


Figure 5

Belt Routing

1. Route belts as shown in Figure 6, below. Vintage Air recommends using only Dayco, Gates or Goodyear brand reinforced V-belts with this compressor. Any use of lesser-quality belts may cause the compressor to perform improperly. A compressor belt length of 58" to 59" is recommended. **NOTE: This can vary with the diameter of the water pump and crankshaft pulleys.**

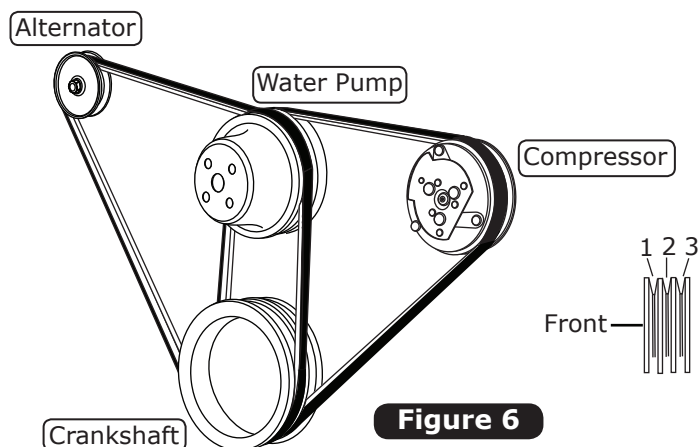


Figure 6

Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump & Alternator
2. Crankshaft, Water Pump & Compressor
3. Crankshaft & Power Steering (If applicable)



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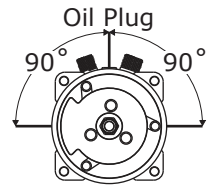
Compressor Warnings

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).



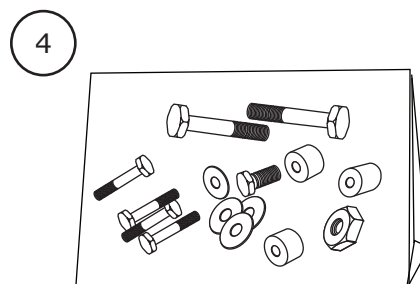
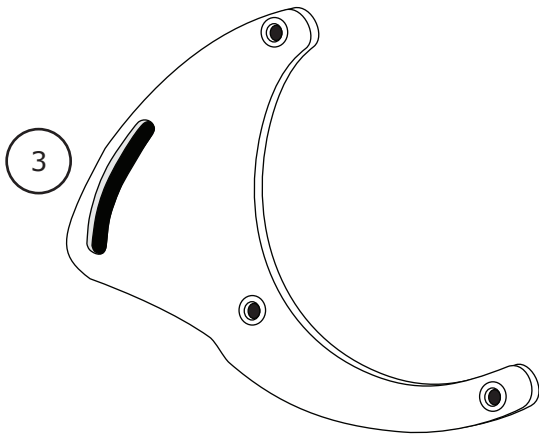
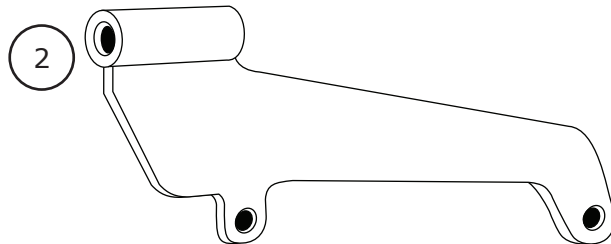
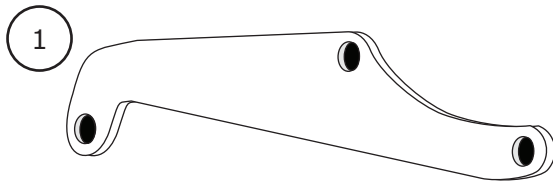


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Checked By: _____
Packed By: _____
Date: _____



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