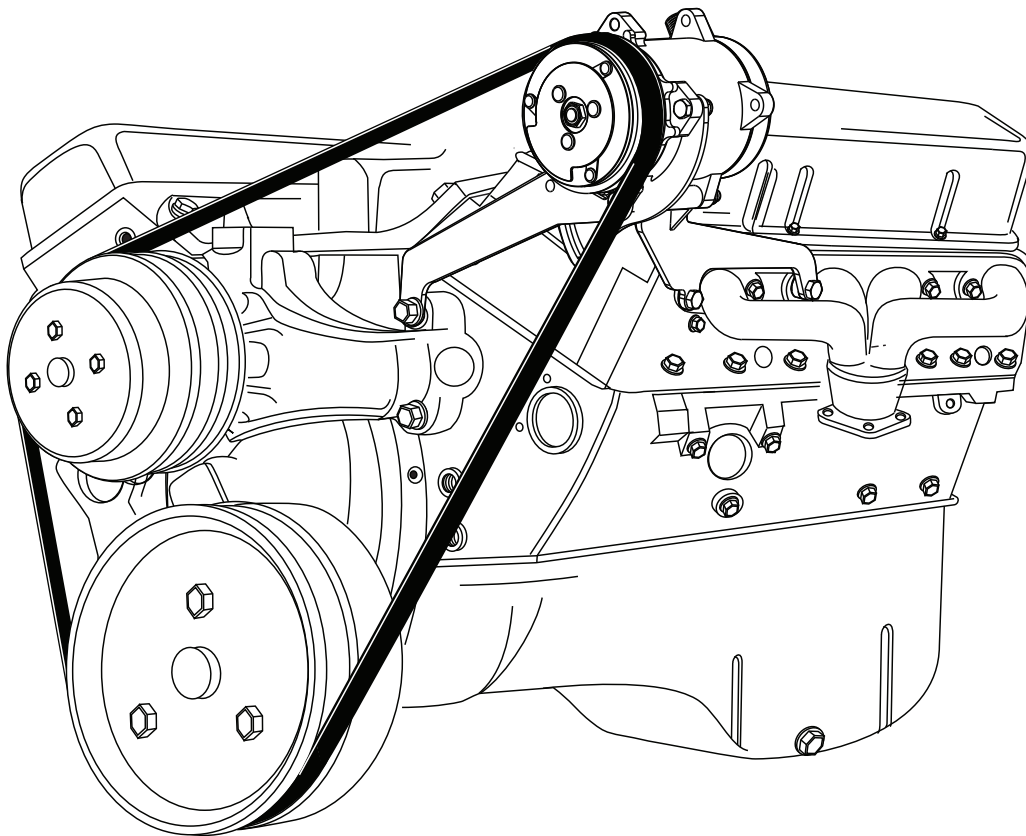




Small Block Chevrolet

Driver Side, Long Pump with Headers
Compressor Bracket Kit
(151110)



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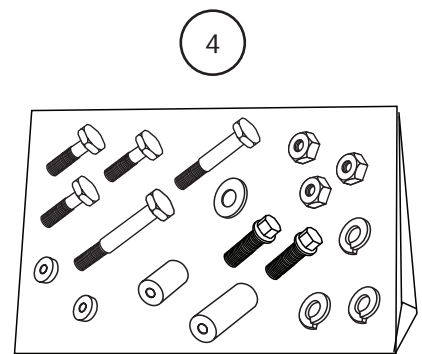
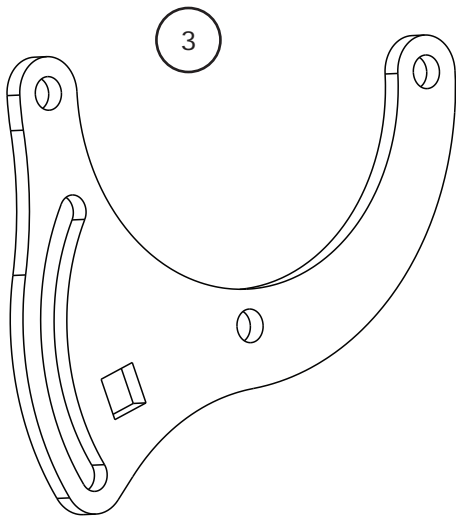
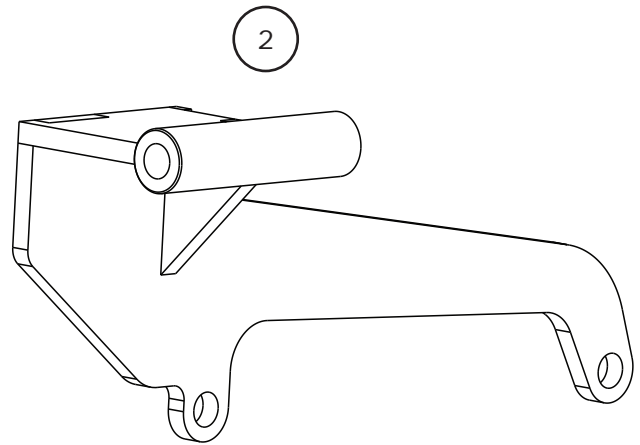
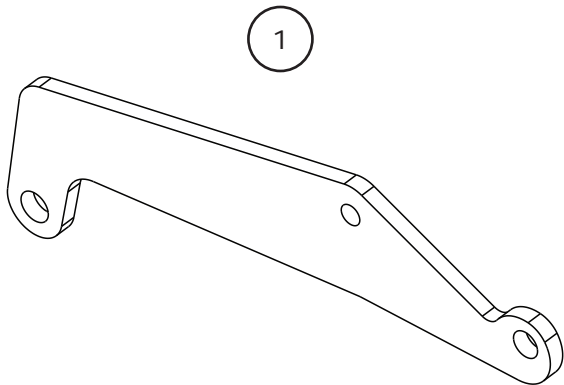


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Packing List: Bracket Kit (151110)

No.	Qty.	Part No.	Description
1.	1	146001-SCR	Bracket, Front Mounting
2.	1	142416	Bracket, Rear Mounting
3.	1	146006-SCR	Bracket, Compressor Mounting
4.	1	191125	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.

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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 header bolts (discard) as shown in Figure 1, below.

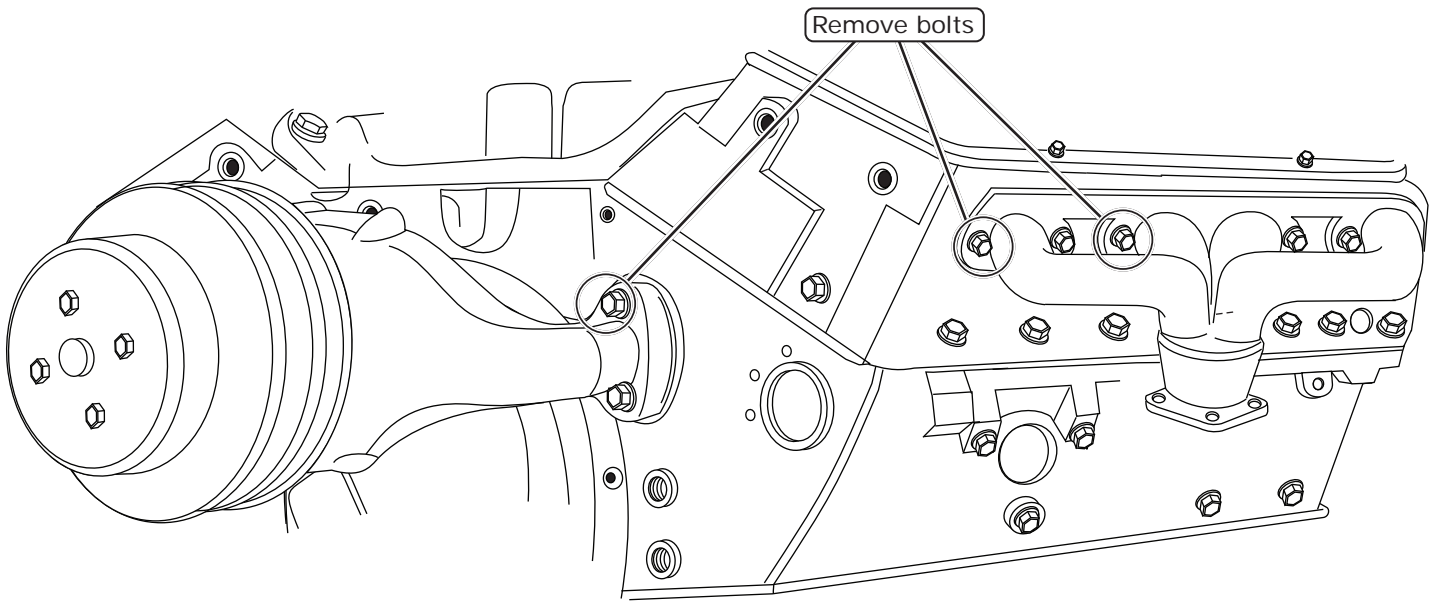


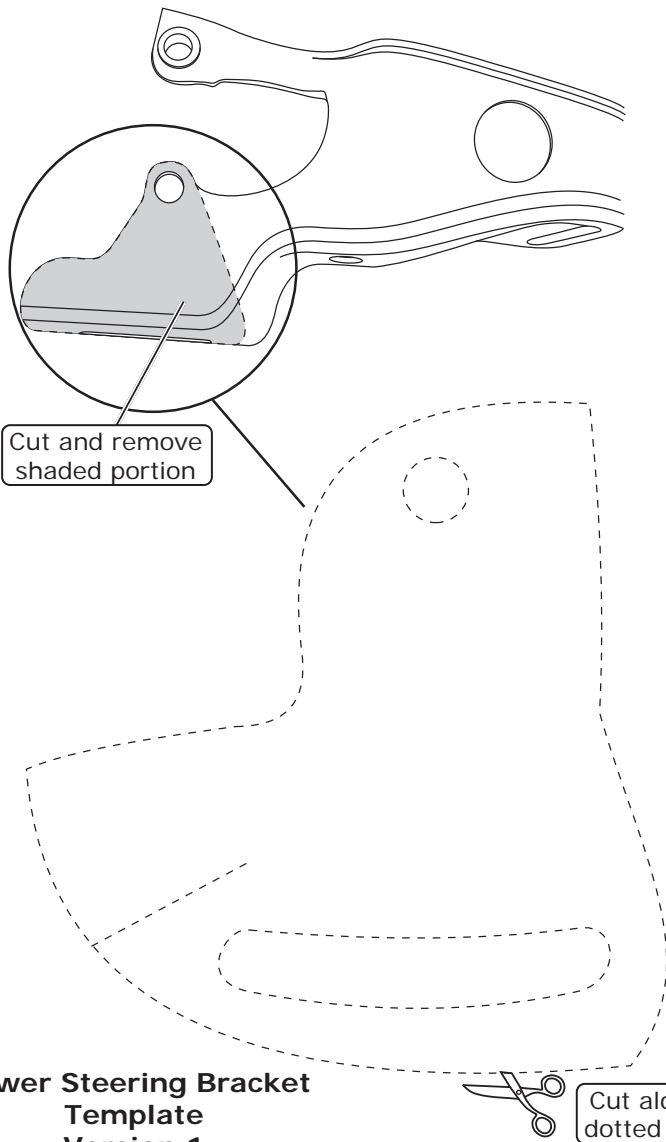
Figure 1

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.

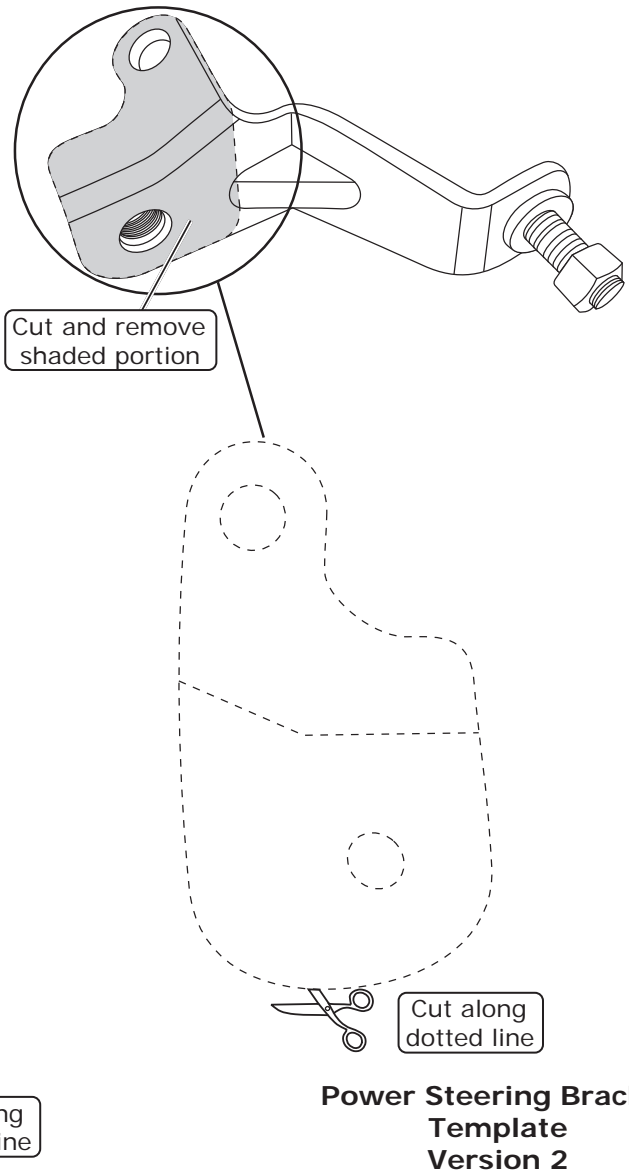
1. Remove the template by cutting along the dashed lines. Align the template hole and adjustment slot with the hole and adjustment slot on the power steering bracket.
2. Mark the power steering bracket around the perimeter of the template.
3. Cut and remove the shaded portion of the power steering bracket 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



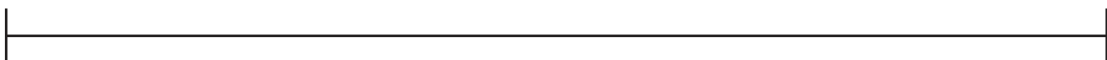
Power Steering Bracket Template Version 1

Version 2



Power Steering Bracket Template 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.



Rear Mounting Bracket Installation

1. Install the rear mounting bracket onto the header using (2) 3/8-16 x 1 1/4" 6-point bolts (See Photo 1, below). **NOTE: For 1/4" flanged headers, use 1/8" spacers between the header flange and the bracket. For 3/8" flanged headers, the bracket will mount directly to the header flange.**

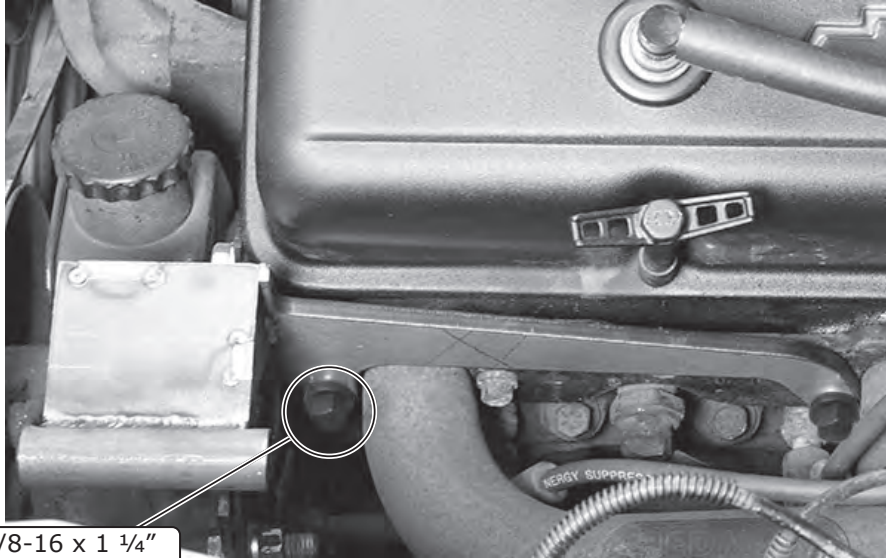


Photo 1

Front Mounting Bracket Installation

1. Install the front mounting bracket onto the water pump mounting ear using a 3/8-16 x 4" hex bolt, a 3/8" lock washer and a .750" OD x .406" ID x 1.625" length steel spacer as shown in Photo 1, below.

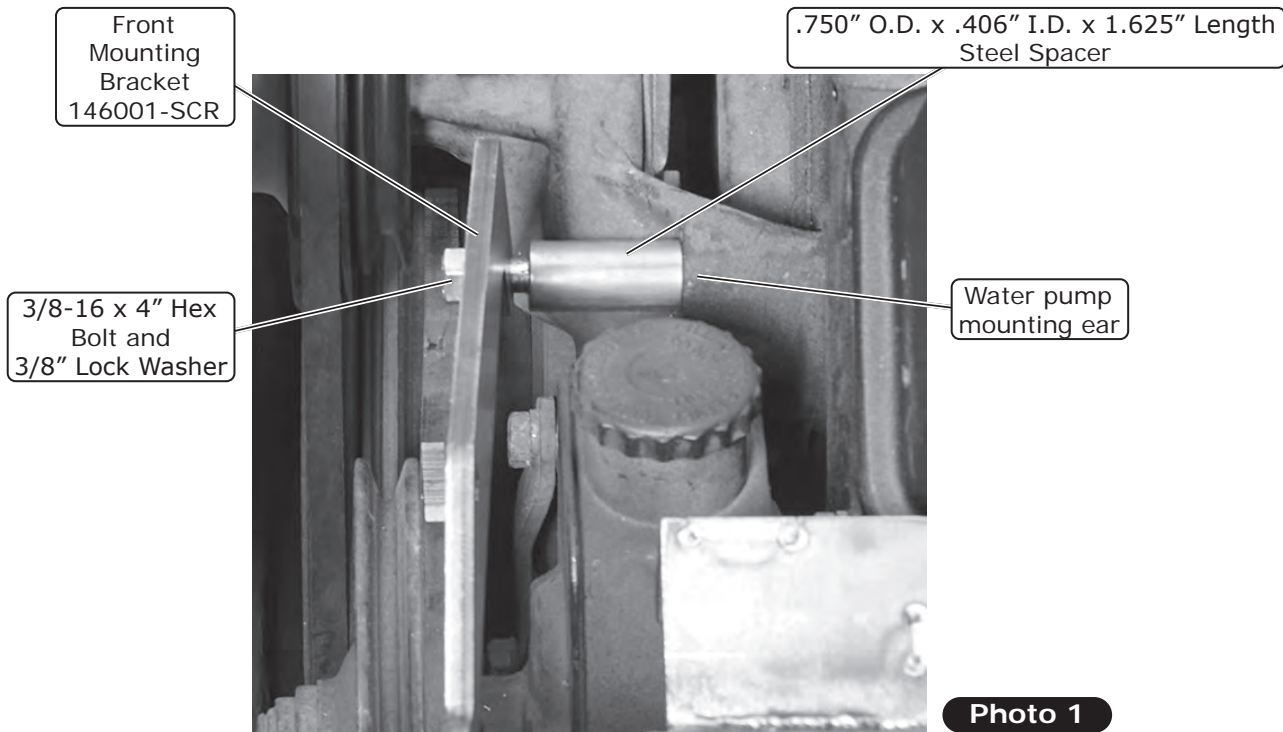


Photo 1

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 1, 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 Photo 1, below.
3. Install the .750" OD x .406" ID x .563" length 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 Photo 2, below.

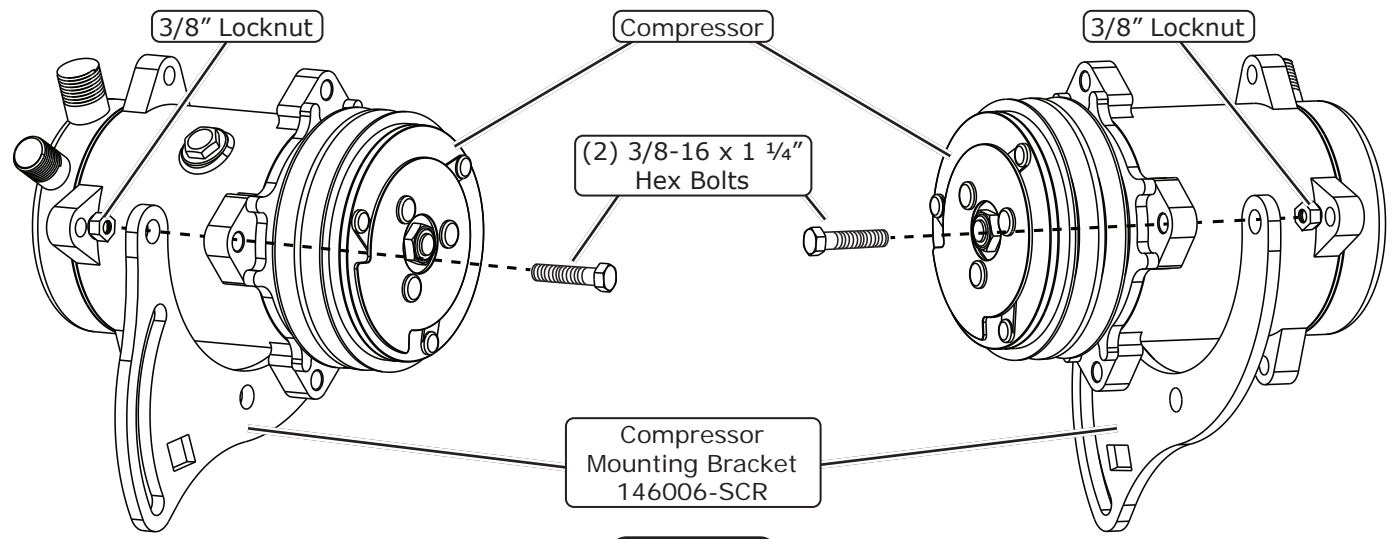


Figure 1

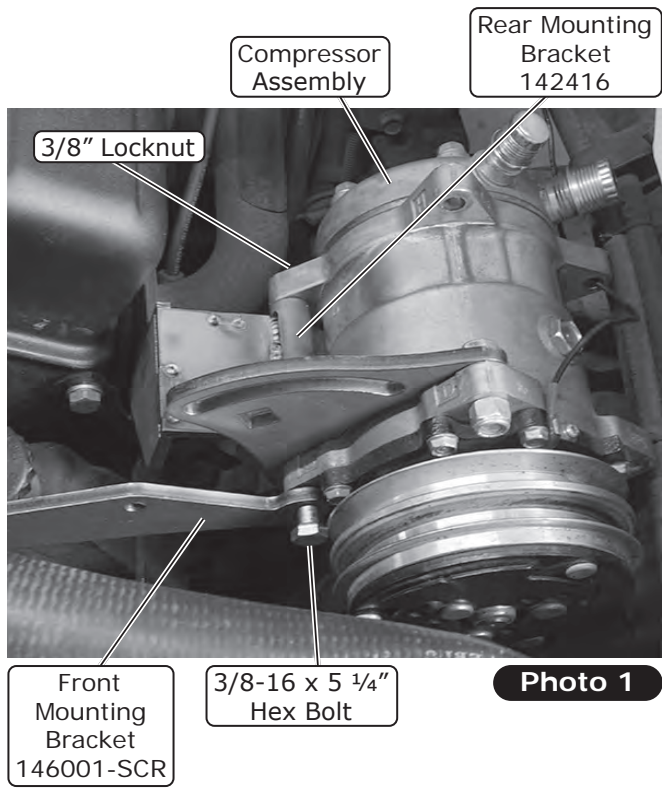


Photo 1

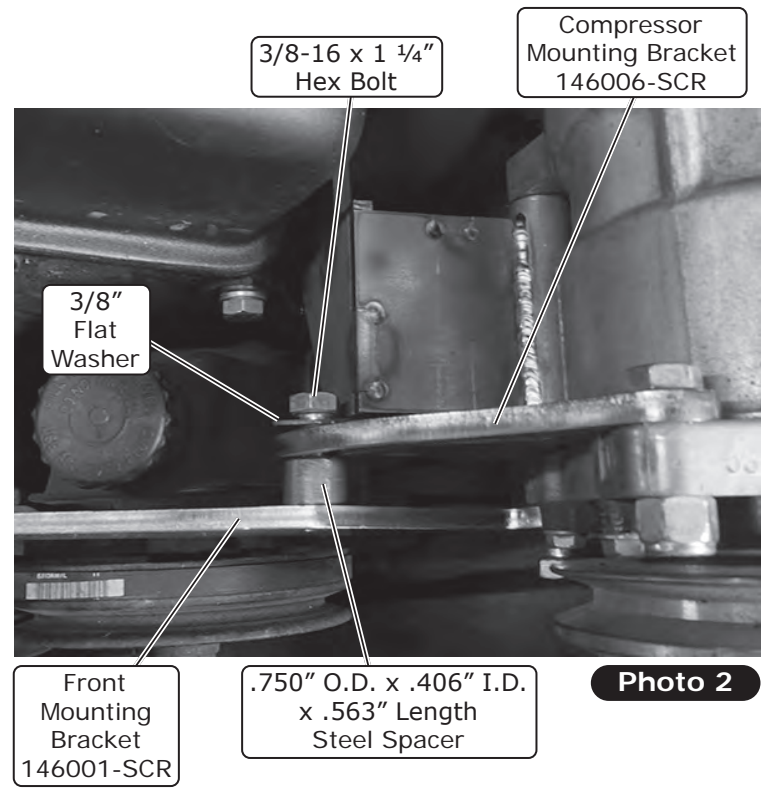
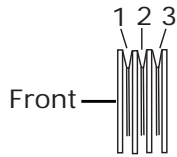
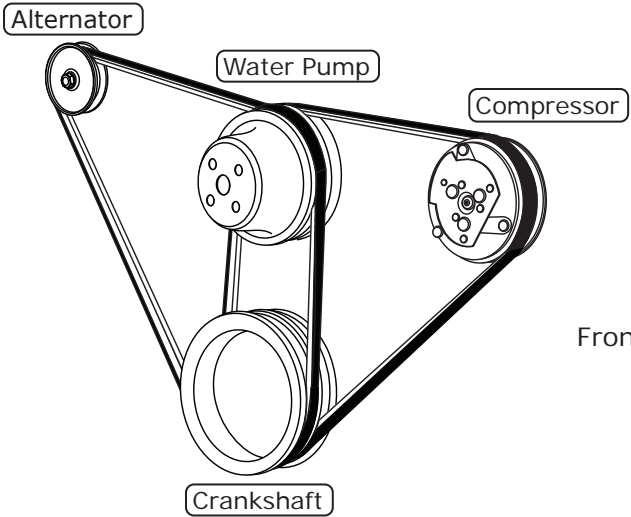


Photo 2

Belt Routing

1. Route belts as shown in Figure 1, 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.**



Crankshaft Pulley Grooves:

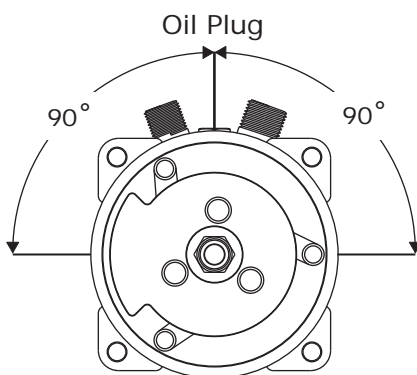
1. Crankshaft, Water Pump & Alternator
2. Crankshaft, Water Pump & Compressor
3. Crankshaft & Power Steering (If applicable)

Important Compressor Information

Sanden & TCCA 5H14 "508" Compressors

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

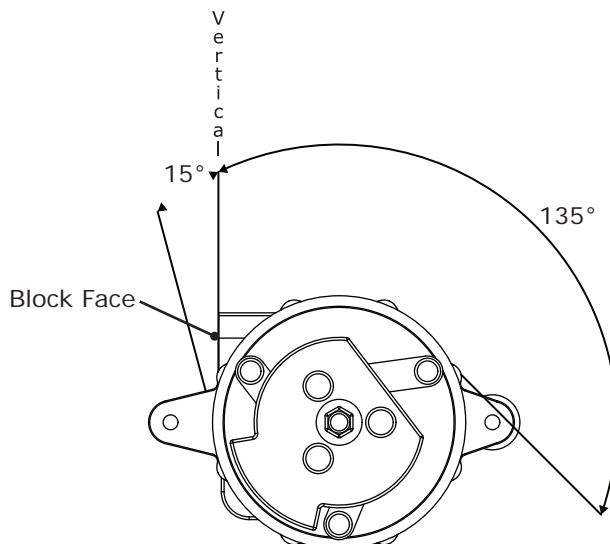
- Do not connect compressor clutch wire until system is being charged with refrigerant. Since an A/C system relies on refrigerant to circulate lubricant, running the compressor without refrigerant may destroy the compressor and void the warranty.
- Proper compressor orientation is important. Sanden compressors may be rotated from vertical (oil fill plug at top) up to 90° in either direction (See illustration, below).



Sanden & TCCI 7B10 Compressors

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

- 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.
- These compressors do not have an oil fill plug. Please reference the block fitting mount face for clocking range (See illustration, below).





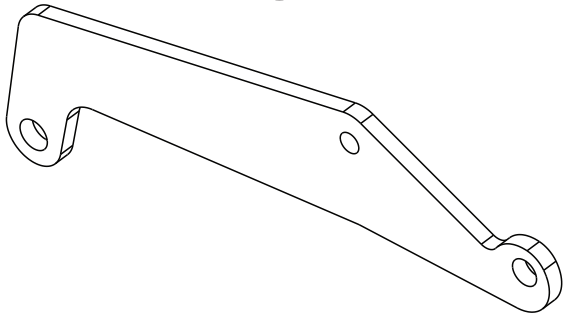
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Packing List: Bracket Kit (151110)

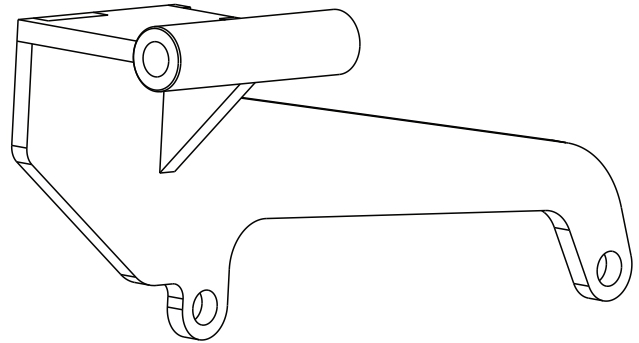
No.	Qty.	Part No.	Description
1.	1	146001-SCR	Bracket, Front Mounting
2.	1	142416	Bracket, Rear Mounting
3.	1	146006-SCR	Bracket, Compressor Mounting
4.	1	191125	Hardware Kit

Checked By: _____
 Packed By: _____
 Date: _____

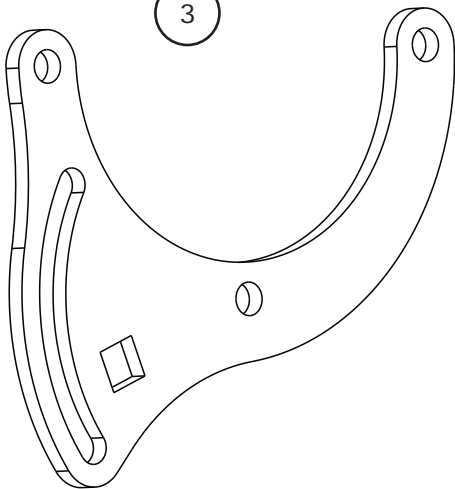
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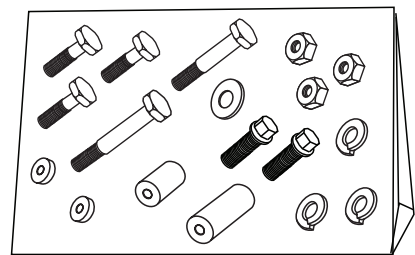
2



3



4



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