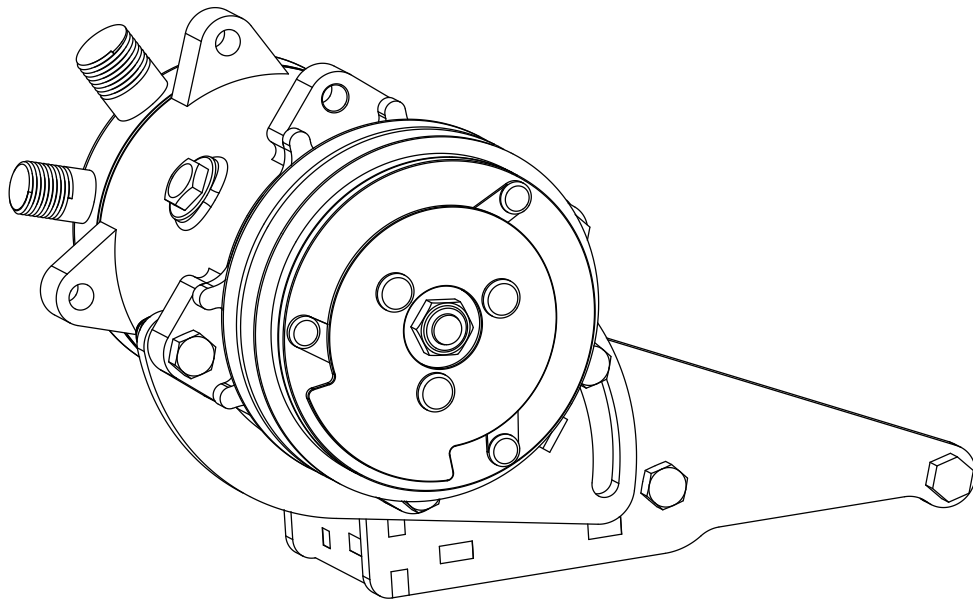




1977-82 Corvette

Head Mounted
Compressor Bracket Kit
(146200)



18865 Goll St. San Antonio, TX 78266
Phone: 800-862-6658
Sales: sales@vintageair.com
Tech Support: tech@vintageair.com
www.vintageair.com



www.vintageair.com

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Additional Info: Please Read Before Beginning

- **This kit is designed to fit 1977-82 Corvette engines with A.I.R. provisions on the exhaust manifolds.**
- **The compressor grounds through the bracket and into the engine, therefore, it is important to have a good ground connection. If painted, paint should be removed in the areas where the bracket mounts to the engine and where the compressor mounts to the bracket. A separate ground wire may also be run to ensure ground continuity.**
- **This kit is designed for use with a Sanden Rear-Exit 508 compressor, such as Vintage Air part number 047000-SUR (standard finish), 047001-SUQ (polished finish) or 047005 (chrome finish).**
- **This kit includes hardware to allow the compressor to be run off of the front or back pulley depending on factory engine intake air duct setup. See NOTE on Page 4.**
- **When utilizing the rear groove configuration, Vintage Air recommends using VA part 50101-SUR (shown below) or equivalent heater hose nipple.**



50101-SUR



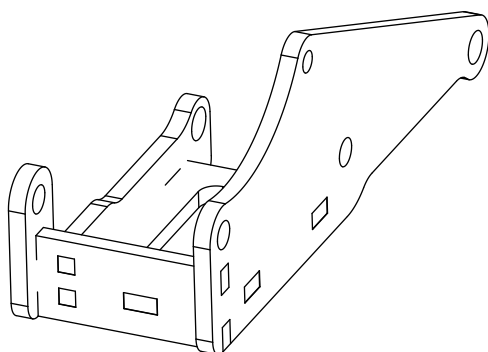
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Packing List: Compressor Bracket Kit (146200)

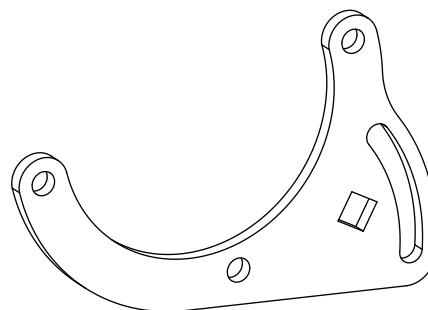
No.	Qty.	Part No.	Description
1.	1	146201	Bracket, Compressor
2.	1	146207	Bracket, Adjuster
3.	1	191129	Hardware Kit

**** 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.**

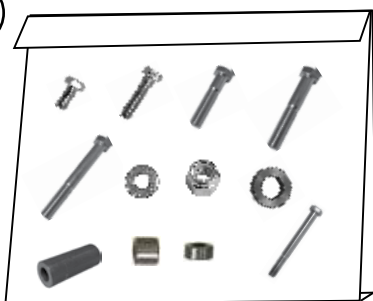
1



2



3



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

Engine Disassembly

1. Remove the top-left water pump bolt (See Photo 1, below).

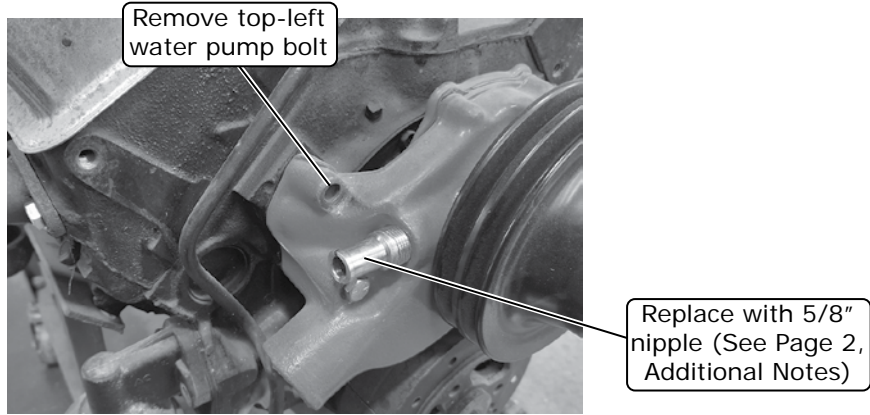


Photo 1

NOTE: For vehicles using the factory intake air ducting as shown in Photo 2, below, refer to the Bracket Installation (Rear Groove) instructions.

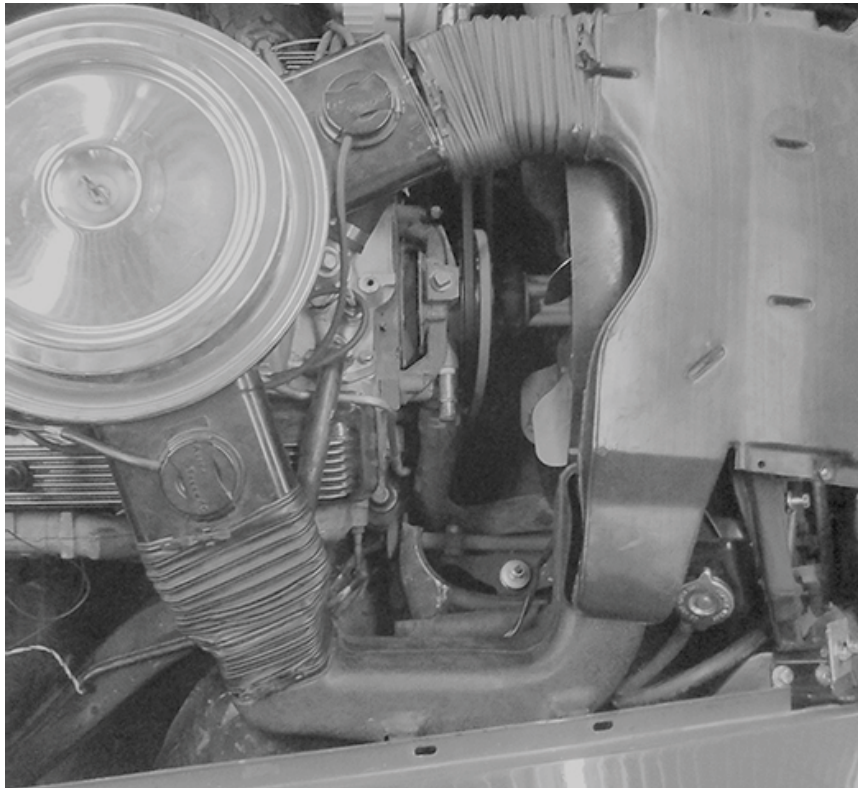


Photo 2



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

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Bracket Installation (Front Groove)

1. Install the .750" OD x .406" ID x 1.94" length steel spacer onto the compressor bracket with a 3/8-16 x 3" hex bolt and a 5/16" flat washer (See Photo 1, below).
2. Thread the 3/8-16 x 3" hex bolt into the head (See Photo 2, below). Leave loose.
3. Install a 3/8-16 x 2 1/4" hex bolt, a 5/16" flat washer and a .750" OD x .406" ID x .188" length steel spacer through the compressor bracket and into the previously removed water pump hole (See Photo 3, below and Photo 4, Page 6). **NOTE: Apply thread sealant onto threads of bolt (See Photo 3, below).**

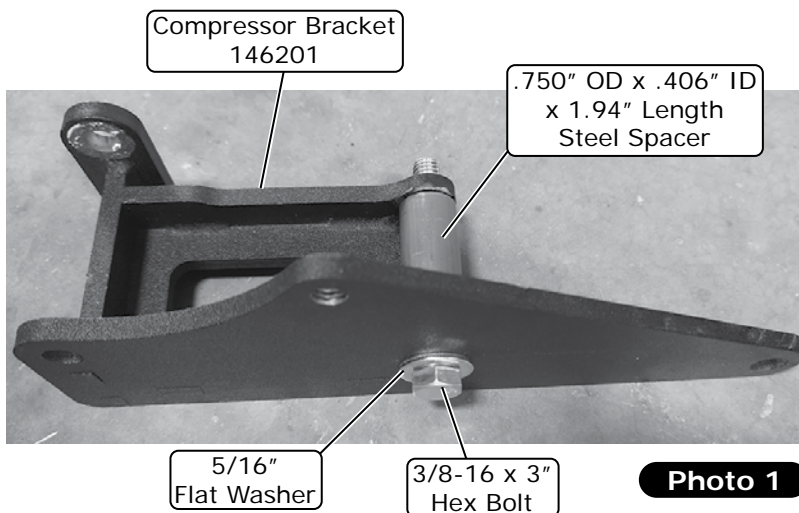


Photo 1

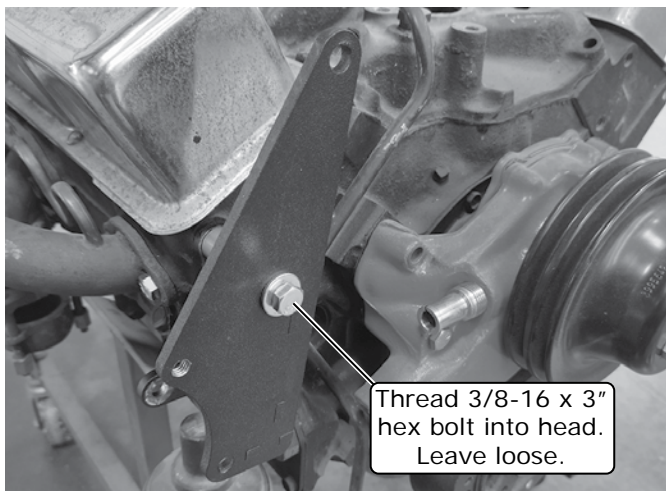


Photo 2

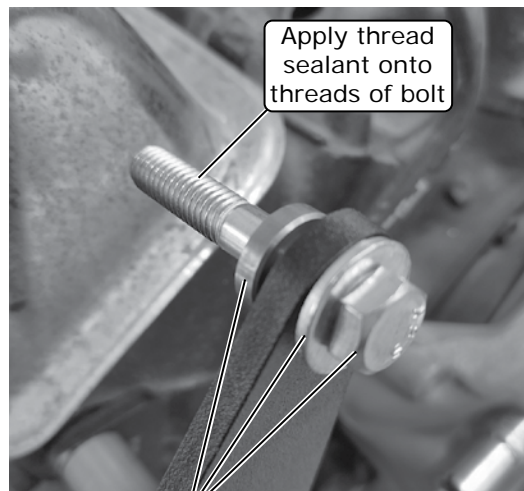


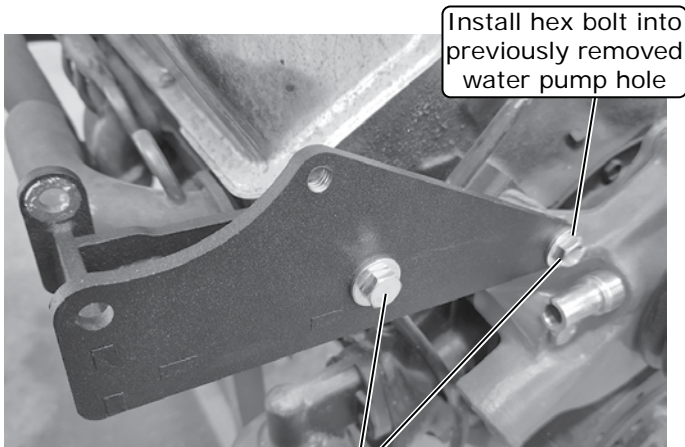
Photo 3

Install 3/8-16 x 2 1/4" hex bolt, 5/16" flat washer and .750" OD x .406" ID x .188 length steel spacer through the compressor bracket

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

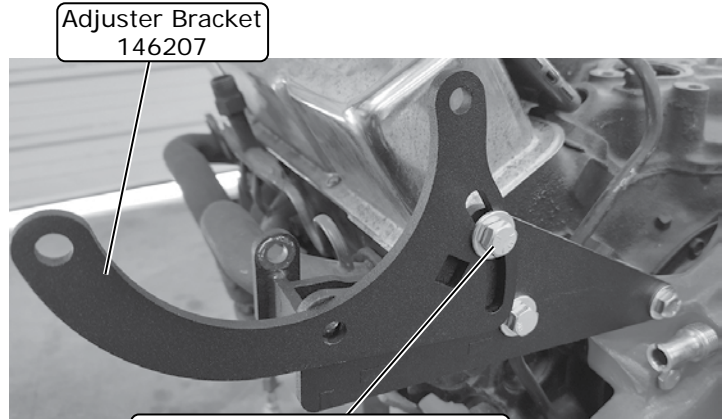
Bracket Installation (Front Groove) (Cont.)

4. Tighten both bolts (See Photo 3, below).
5. Install a 3/8-16 x 3/4" hex bolt and a 5/16" flat washer through the adjustment slot on the adjuster bracket and into the threaded hole of the compressor bracket (See Photo 4, below). Leave loose.
6. Install the compressor onto the bracket assembly using a 3/8-16 x 1 3/4" hex bolt into the "B" ear of the compressor and through both brackets (See Photo 5, below).
7. Secure the bolt with a 3/8-16 locknut (See Photo 6, below). Leave loose.



Tighten both bolts

Photo 3



Install 3/8-16 x 3/4" hex bolt and 5/16" flat washer through adjustment slot on adjuster bracket and into threaded hole of compressor bracket. Leave loose.

Photo 4



Install compressor onto bracket assembly using a 3/8-16 x 1 3/4" hex bolt into "B" ear of compressor and through both brackets

Photo 5



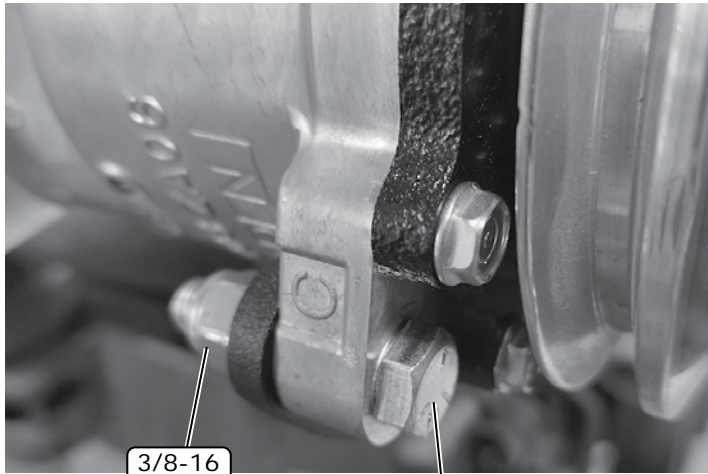
Secure bolt with 3/8-16 locknut. Leave loose.

Photo 6

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

Bracket Installation (Rear Groove) (Final)

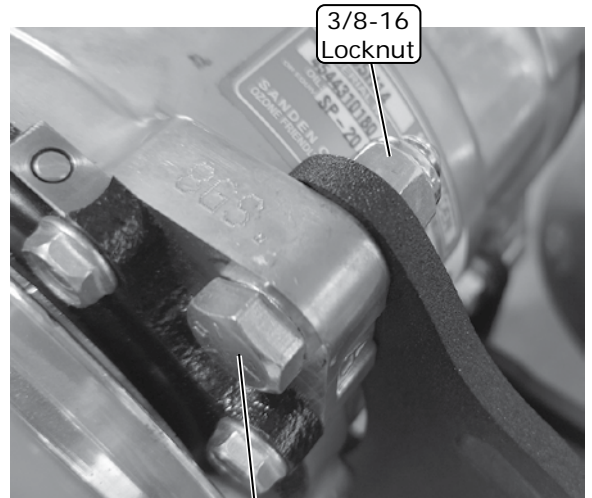
8. Using (3) 3/8-16 x 1 1/2" hex bolts and (3) 3/8-16 locknuts, secure "A", "C" and "F" ears of the compressor (See Photos 7, 8 and 9, below). **NOTE: Leave "F" loose.**
9. Install the belt and tension using the 1/2" square drive on the adjuster bracket. Tighten adjustment bolt first, then the "B" and "F" ears of the compressor.
10. Ensure all bolts are tight (See Photo 10, below).



3/8-16
Locknut

3/8-16 x 1 1/2"
Hex Bolt

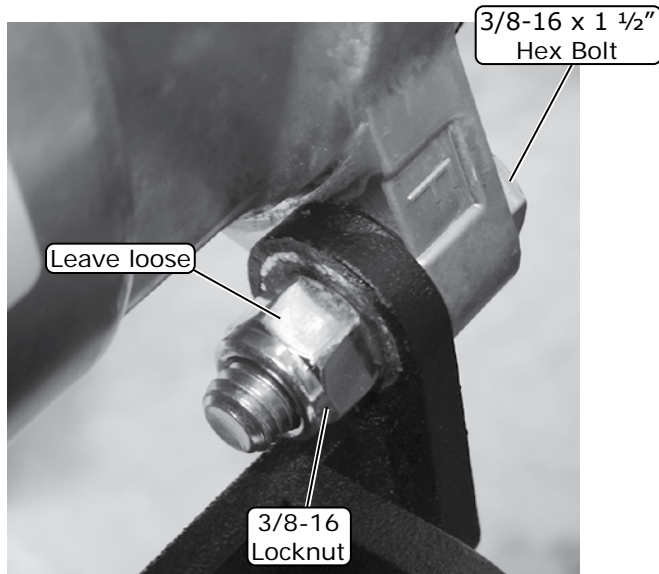
Photo 7



3/8-16
Locknut

3/8-16 x 1 1/2"
Hex Bolt

Photo 8

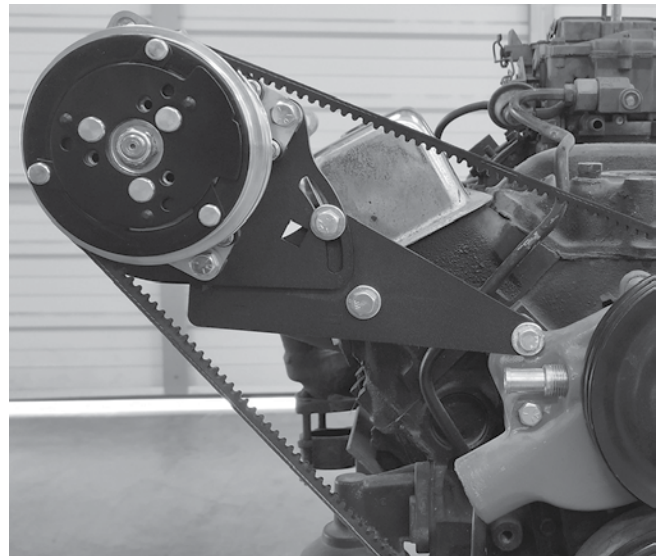


3/8-16 x 1 1/2"
Hex Bolt

Leave loose

3/8-16
Locknut

Photo 9



Ensure all bolts are tight

Photo 10



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

Bracket Installation (Rear Groove)

1. Install the .750" OD x .406" ID x 1.94" length steel spacer onto the compressor bracket with a 3/8-16 x 3 3/4" hex bolt and a 5/16" flat washer in the front and a .750" OD x .406" ID x .625" length steel spacer behind the bracket (See Photo 1, below).
2. Thread the 3/8-16 x 3 1/2" hex bolt into the head (See Photo 1, below). Leave loose.
3. Install a 3/8-16 x 3" hex bolt, a 5/16" flat washer and a .750" OD x .406" ID x .8125" length steel spacer through the compressor bracket and into the previously removed water pump hole (See Photo 2, below and Photo 3, Page 9). **NOTE: Apply thread sealant onto threads of bolt (See Photo 2, below).**

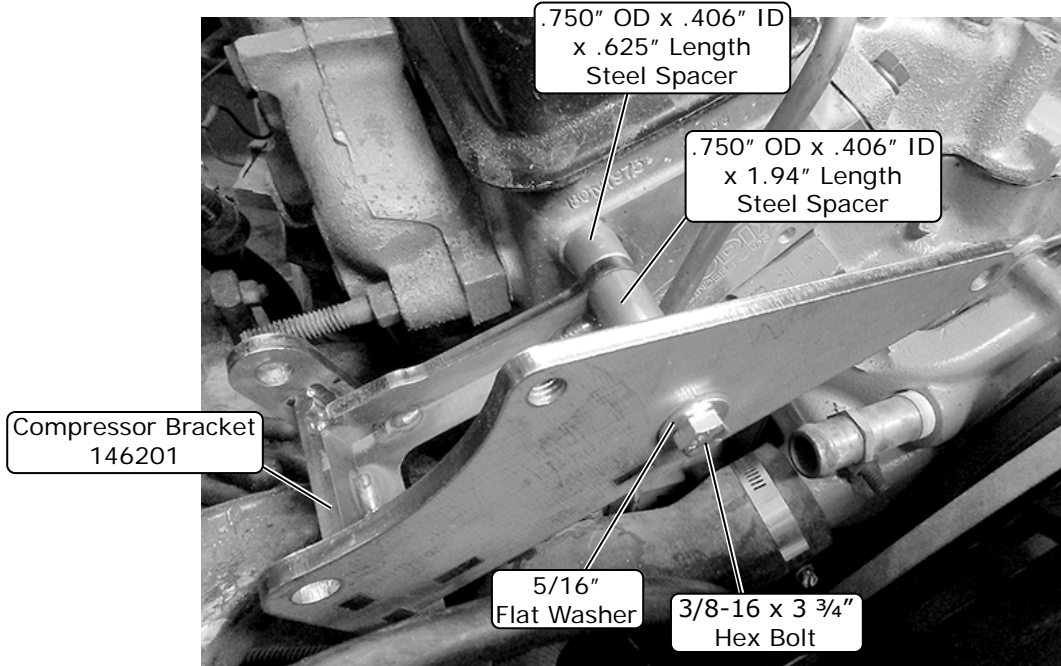


Photo 1

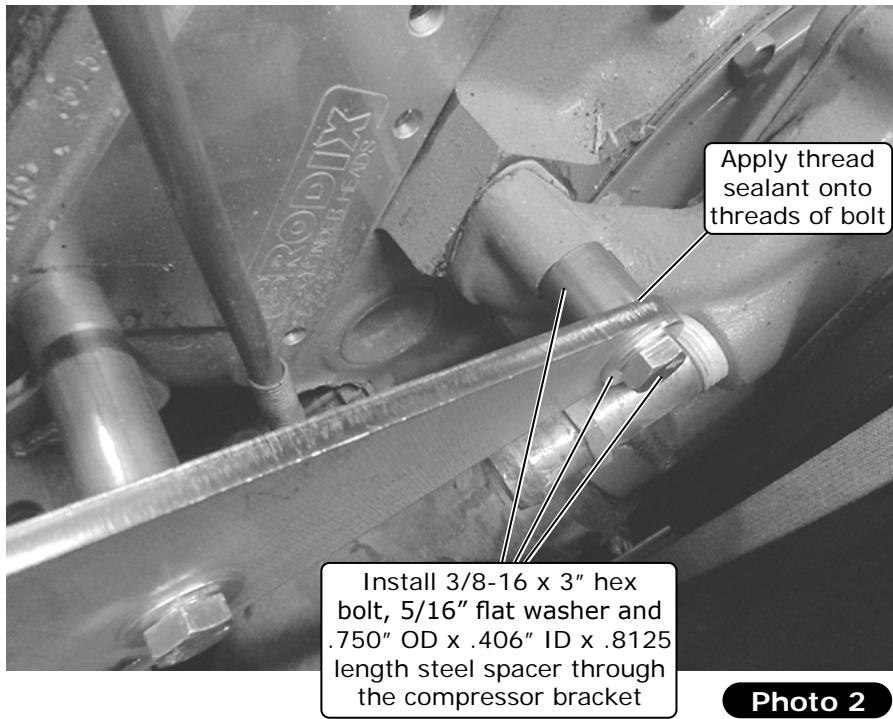


Photo 2

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

Bracket Installation (Rear Groove) (Cont.)

4. Tighten both bolts (See Photo 3, below).
5. Install a 3/8-16 x 3/4" hex bolt and a 5/16" flat washer through the adjustment slot on the adjuster bracket and into the threaded hole of the compressor bracket (See Photo 4, below). Leave loose.
6. Install the compressor onto the bracket assembly using a 3/8-16 x 1 3/4" hex bolt into the "B" ear of the compressor and through both brackets (See Photo 5, below).
7. Secure the bolt with a 3/8-16 locknut (See Photo 6, below). Leave loose.

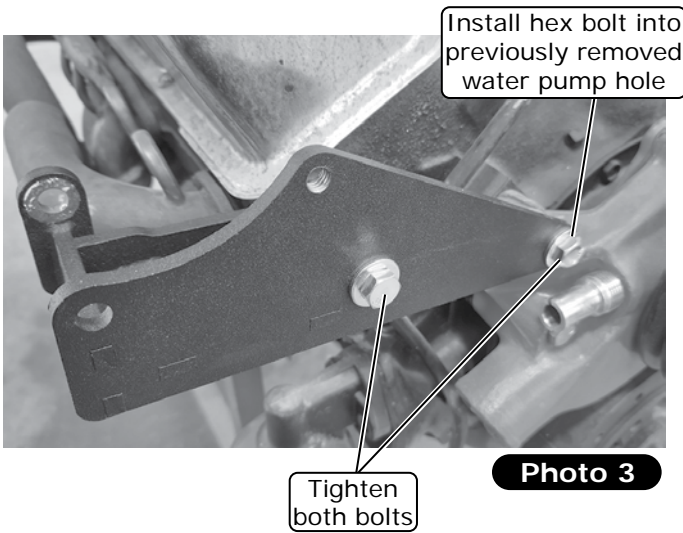


Photo 3

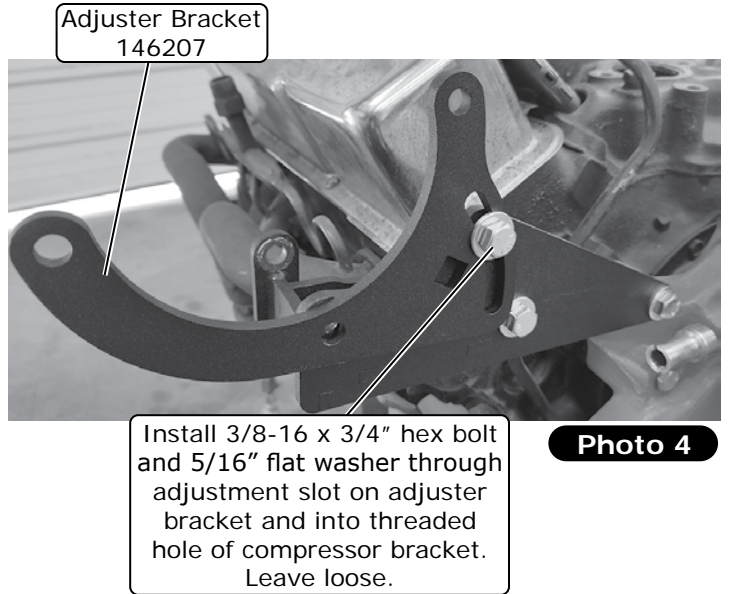


Photo 4

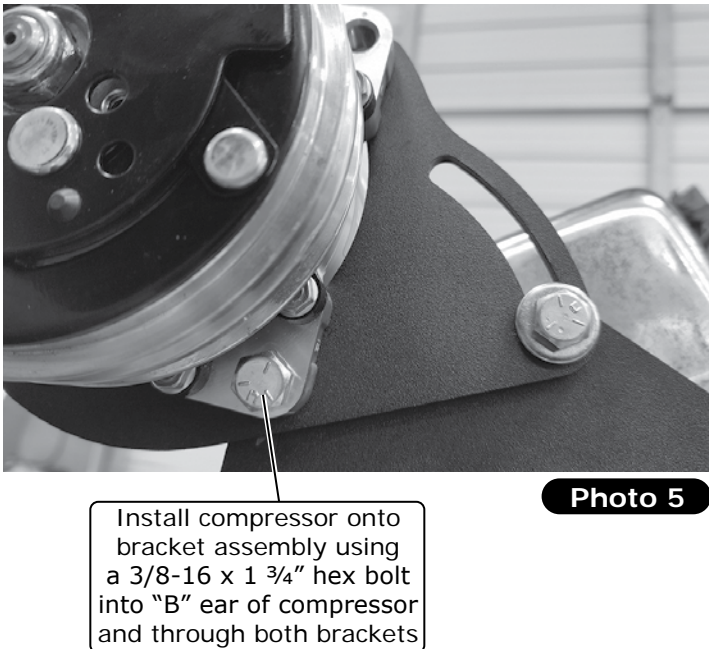


Photo 5

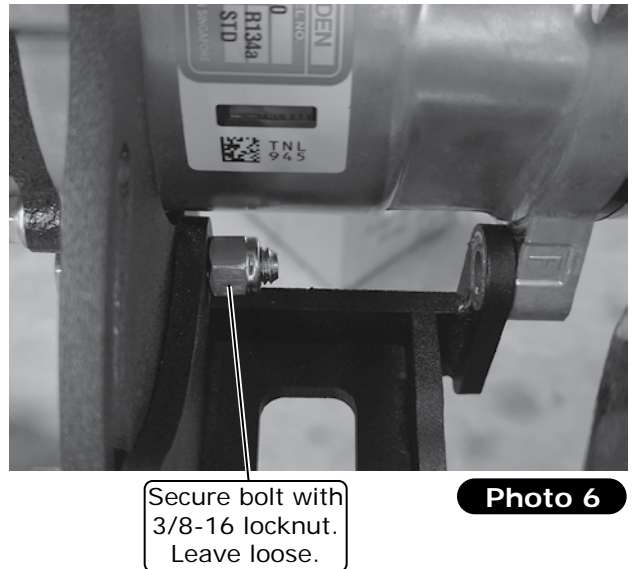
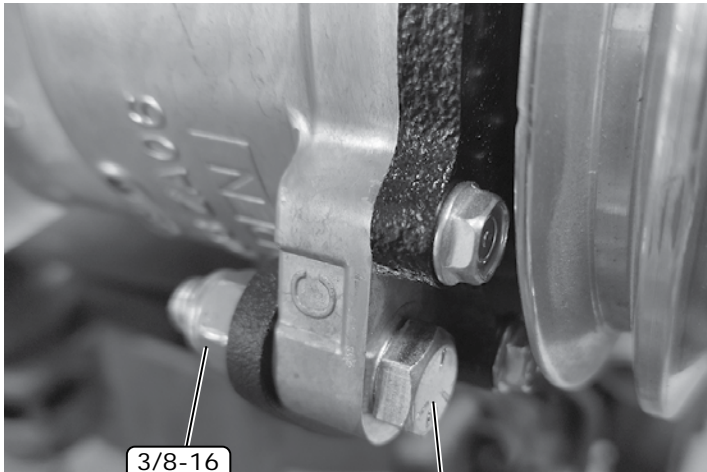


Photo 6

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

Bracket Installation (Rear Groove) (Final)

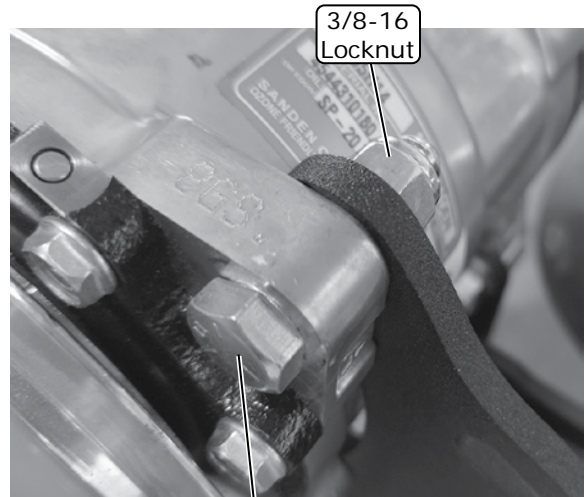
8. Using (3) 3/8-16 x 1 1/2" hex bolts and (3) 3/8-16 locknuts, secure "A", "C" and "F" ears of the compressor (See Photos 7, 8 and 9, below). **NOTE: Leave "F" loose.**
9. Install the belt and tension using the 1/2" square drive on the adjuster bracket. Tighten adjustment bolt first, then the "B" and "F" ears of the compressor.
10. Ensure all bolts are tight (See Photo 10, below).



3/8-16 Locknut

3/8-16 x 1 1/2" Hex Bolt

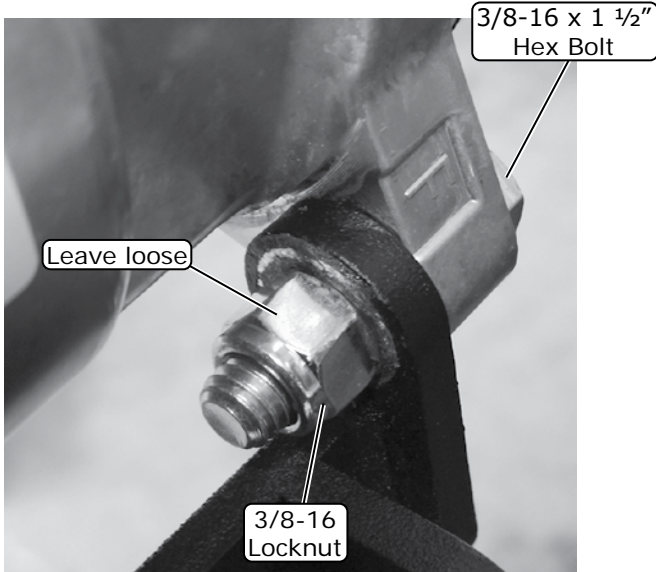
Photo 7



3/8-16 Locknut

3/8-16 x 1 1/2" Hex Bolt

Photo 8

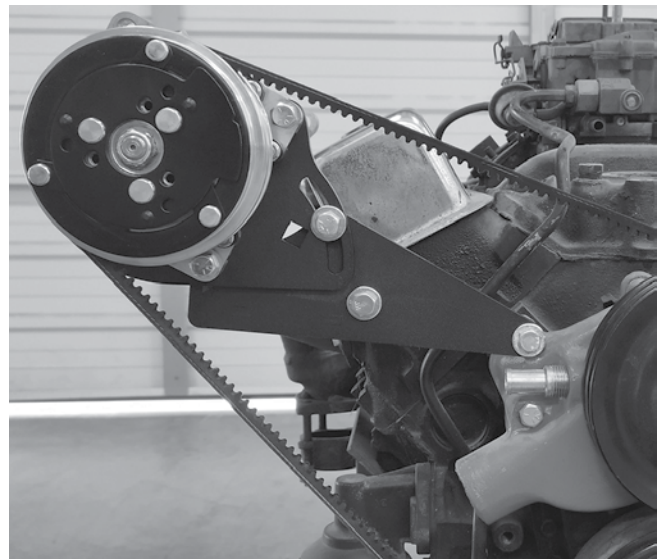


Leave loose

3/8-16 x 1 1/2" Hex Bolt

3/8-16 Locknut

Photo 9



Ensure all bolts are tight

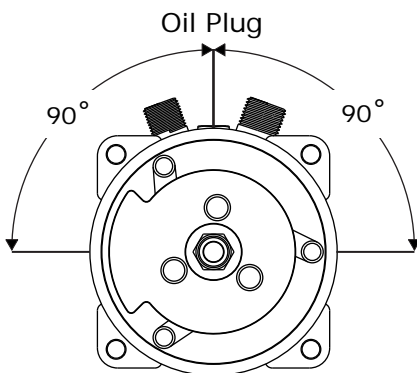
Photo 10

Important Compressor Information

Sanden 508 Style Compressors

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

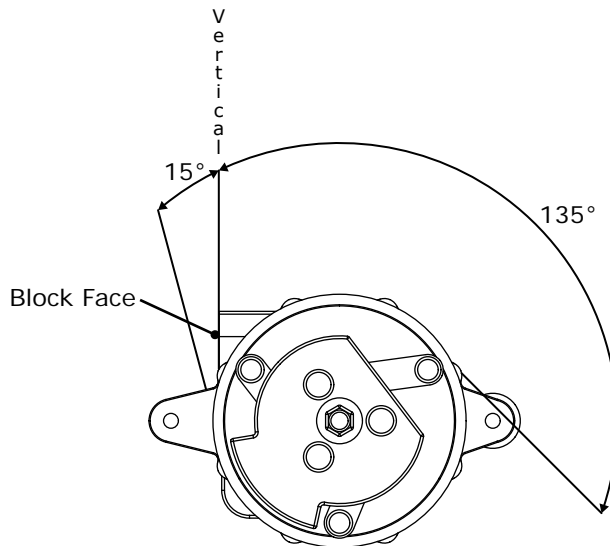
- Do not connect compressor clutch wire until system is being charged with refrigerant. Since an A/C system relies on refrigerant to circulate lubricant, running the compressor without refrigerant may destroy the compressor and void the warranty.
- Proper compressor orientation is important. Sanden compressors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



Sanden 7B10 Style 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).



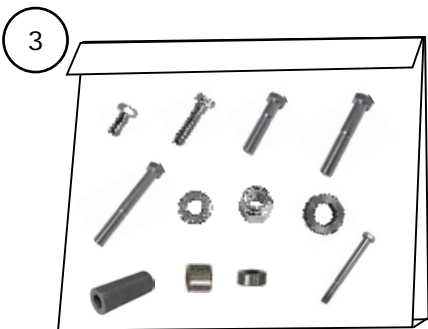
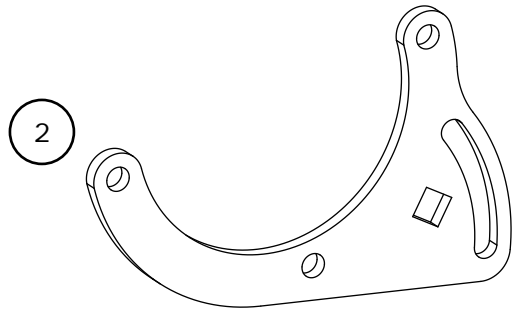
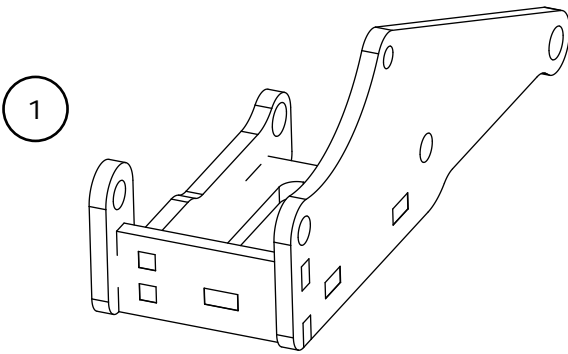


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Packing List: Compressor Bracket Kit (146200)

No.	Qty.	Part No.	Description
1.	1	146201	Bracket, Compressor
2.	1	146207	Bracket, Adjuster
3.	1	191129	Hardware Kit

Checked By: _____
 Packed By: _____
 Date: _____



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