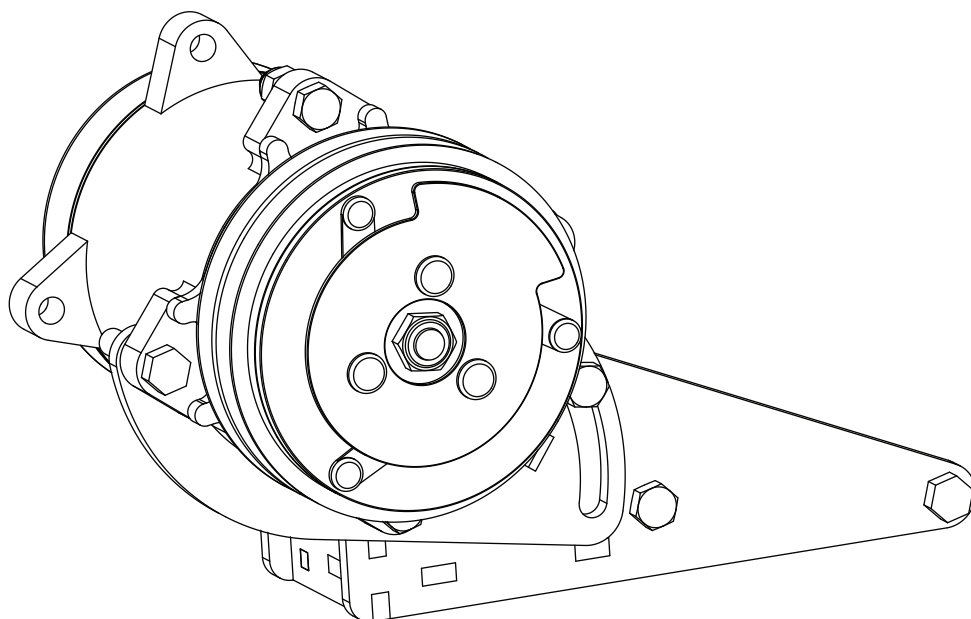




1977-82 Corvette

Head Mounted
Compressor Bracket Kit
(146200)



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www.vintageair.com



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Table of Contents

Cover.....	1
Table of Contents.....	2
Packing List/Parts Disclaimer.....	3
Bracket Installation.....	4
Bracket Installation (Cont.).....	5
Bracket Installation (Final).....	6
Important Compressor Information.....	7
Packing List.....	8

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).**

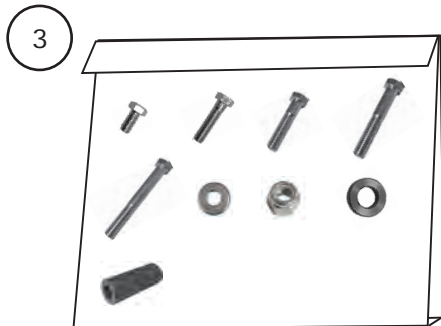
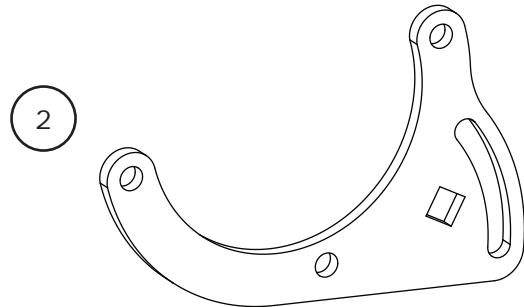
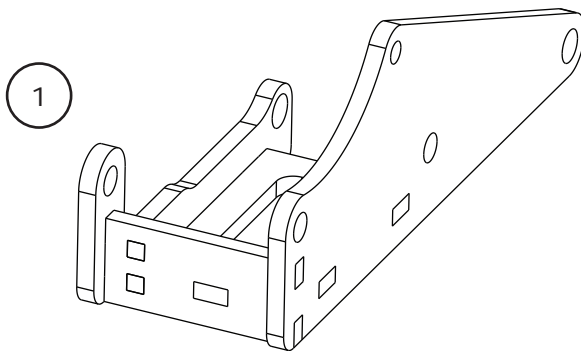


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Packing List: Compressor Bracket Kit (146200)

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.**



**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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Bracket Installation

1. Remove the top-left water pump bolt (See Photo 1, below).
2. 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 2, below).
3. Thread the 3/8-16 x 3" hex bolt into the head (See Photo 3, below). Leave loose.
4. 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 4, below and Photo 5, Page 5). **NOTE: Apply thread sealant onto threads of bolt (See Photo 4, below).**

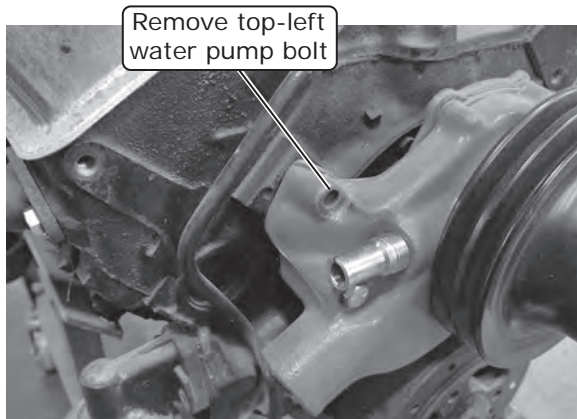


Photo 1

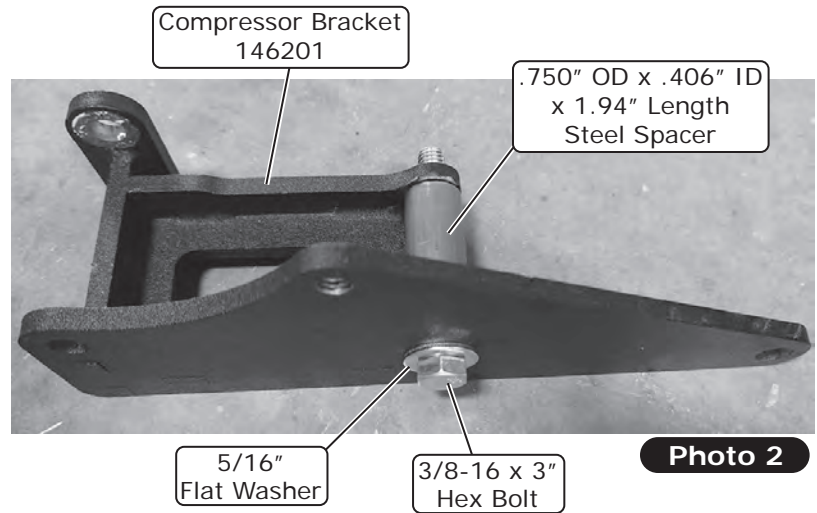


Photo 2

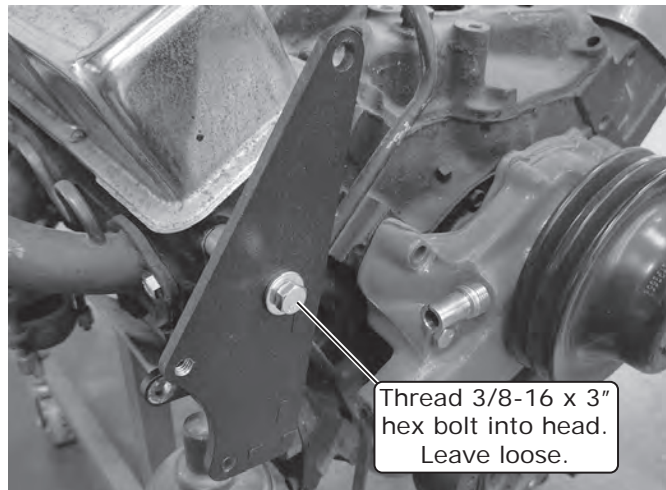


Photo 3

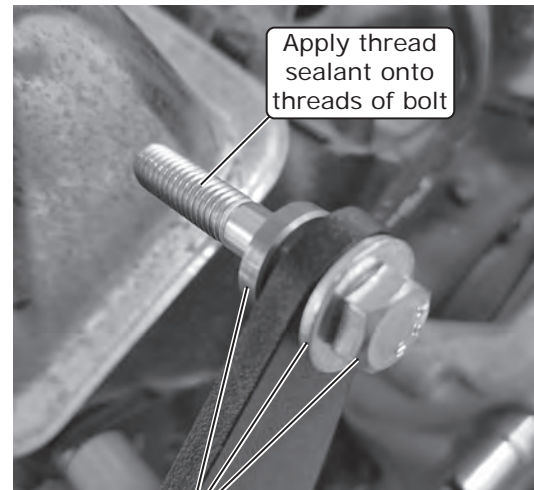


Photo 4

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.

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Bracket Installation (Cont.)

5. Tighten both bolts (See Photo 5, below).
6. 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 6, below). Leave loose.
7. 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 7, below).
8. Secure the bolt with a 3/8-16 locknut (See Photo 8, below). Leave loose.

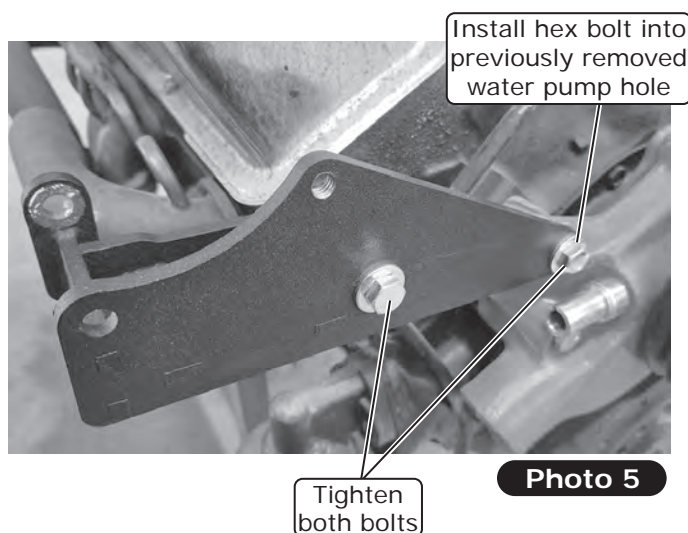


Photo 5

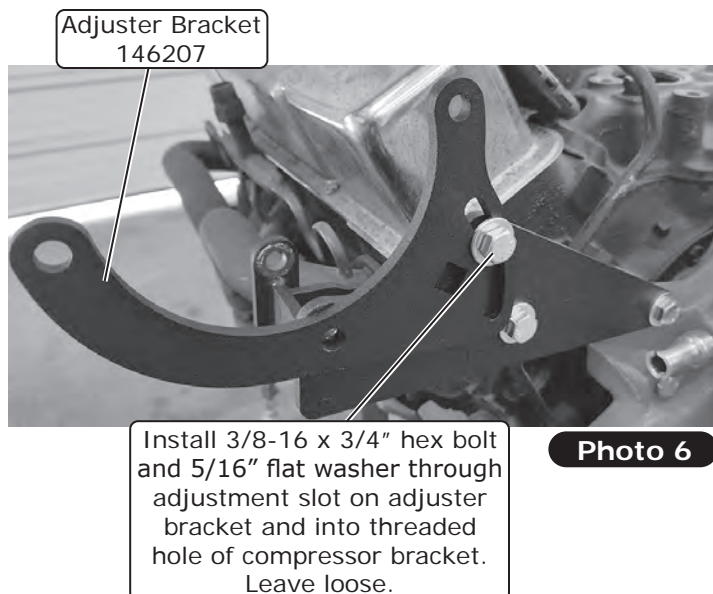


Photo 6



Photo 7



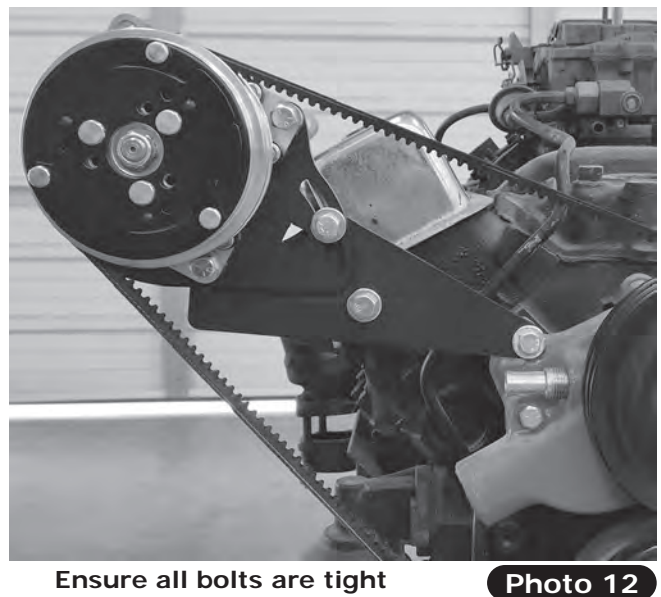
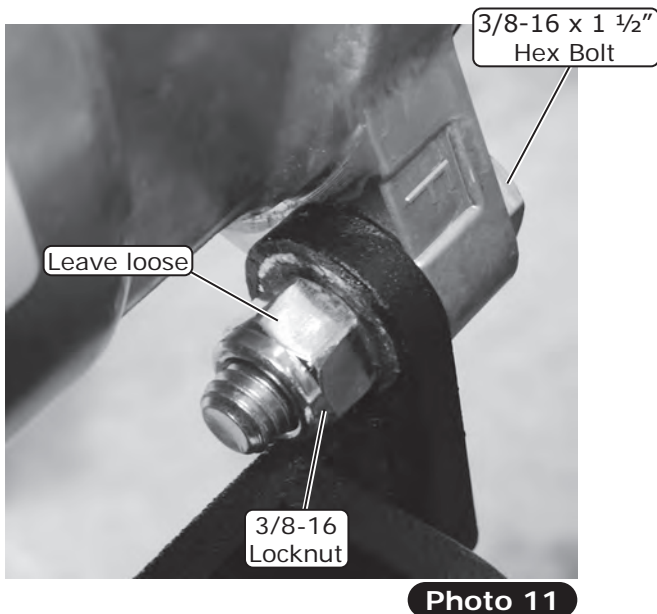
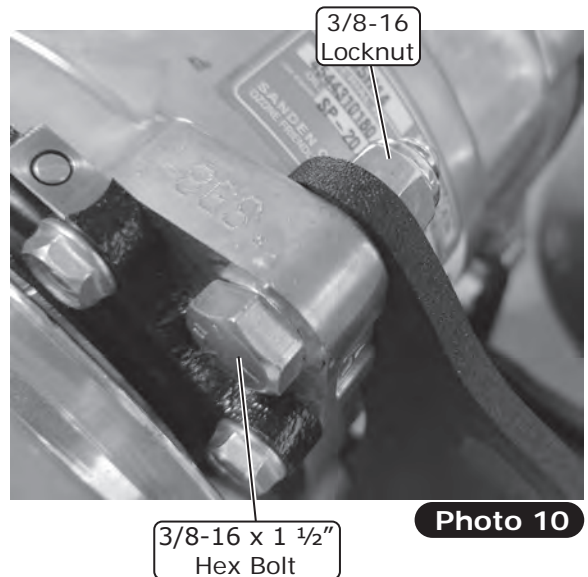
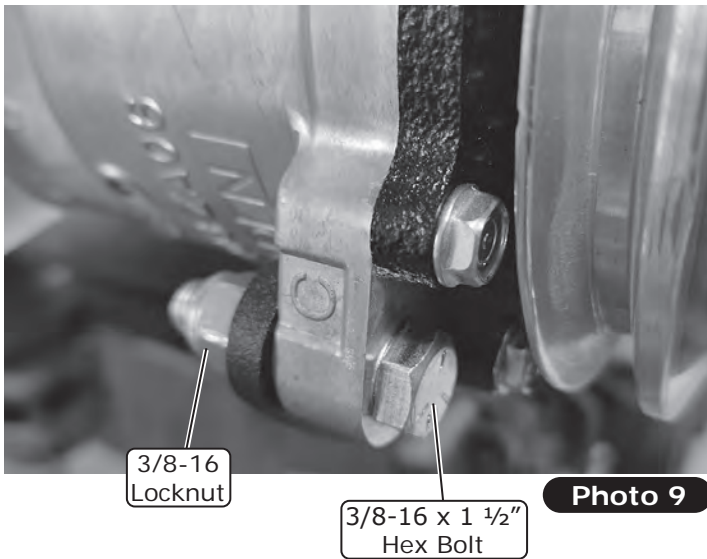
Photo 8

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

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Bracket Installation (Final)

9. 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 9, 10 and 11, below). **NOTE: Leave "F" loose.**
10. 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.
11. Ensure all bolts are tight (See Photo 12, below).

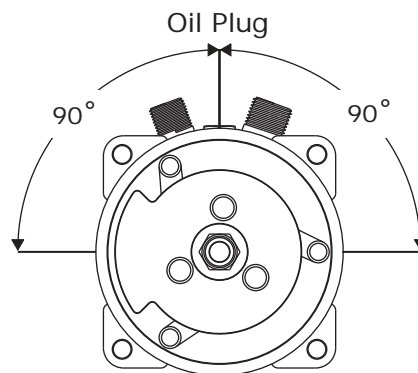


Important Compressor Information

Sanden 508 Style Compressors

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

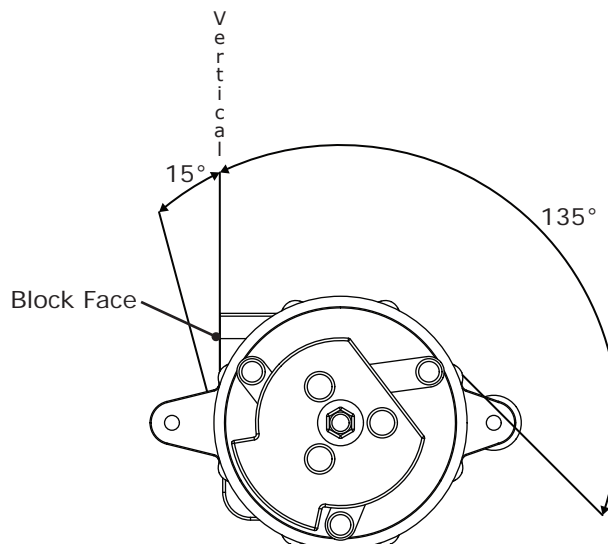
- Do not connect compressor clutch wire until system is being charged with refrigerant. Since an A/C system relies on refrigerant to circulate lubricant, running the compressor without refrigerant may destroy the compressor and void the warranty.
- Proper compressor orientation is important. Sanden compressors 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).



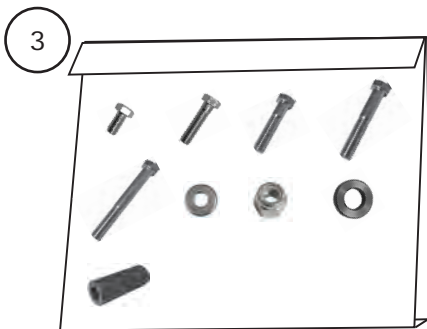
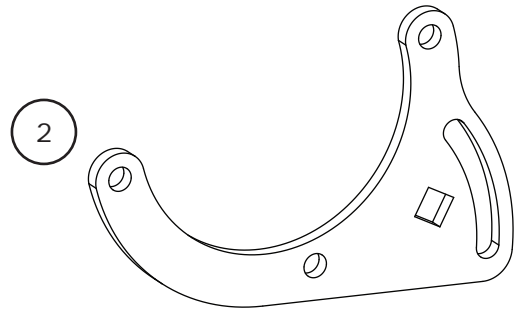
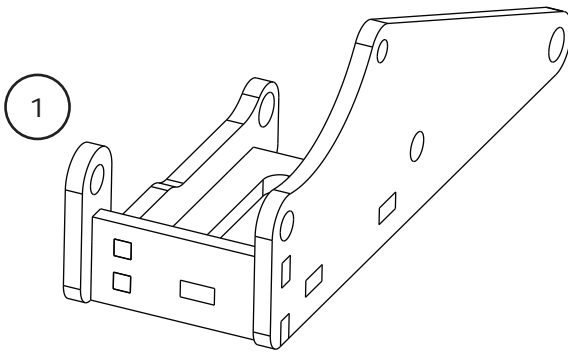


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No.	Qty.	Part No.	Description
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2.	1	146207	Bracket, Adjuster
3.	1	191129	Hardware Kit

Checked By: _____
Packed By: _____
Date: _____



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Refer to packing list for actual parts and quantities.