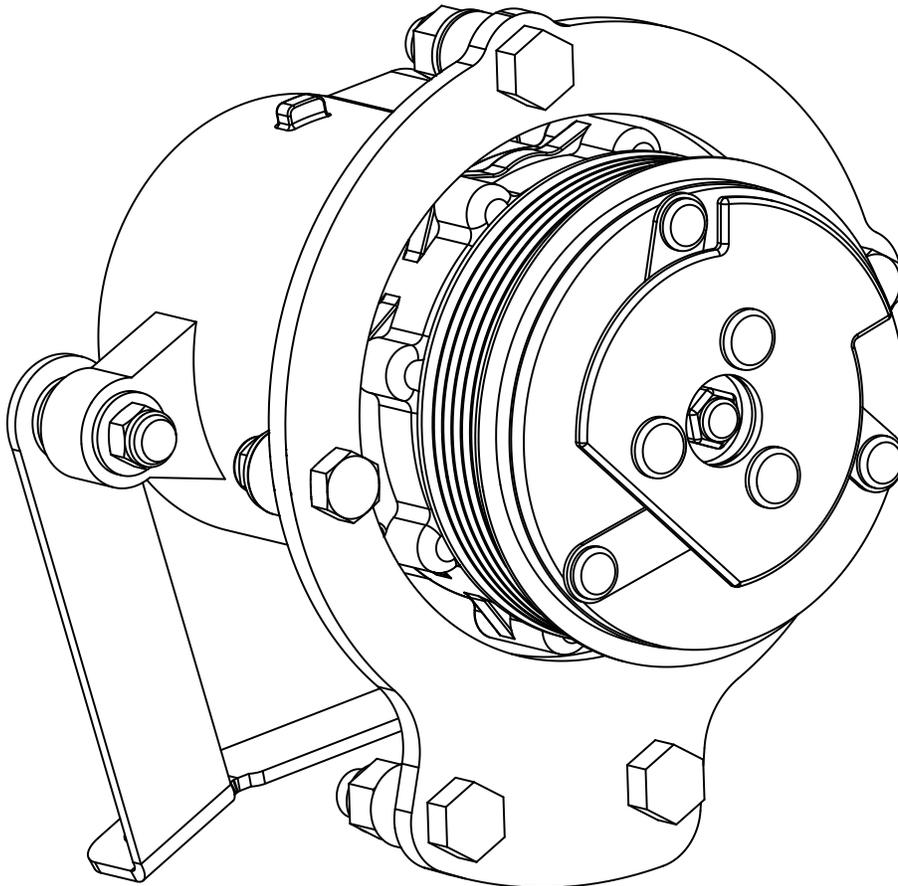




1979-86 Ford V8 Mustang
without A/C

1983-93 Ford V8 Mustang
with A/C
Compressor Bracket Kit
(137130)



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Table of Contents

Cover..... 1

Table of Contents..... 2

Packing List/Parts Disclaimer..... 3

1979-86 Ford V8 Mustang without A/C: Engine Disassembly, Bracket Installation..... 4-5

1983-93 Ford V8 Mustang with A/C: Engine Disassembly, Bracket Installation..... 6-8

Compressor Installation..... 9-10

Compressor Warnings, Belt Routing Diagram..... 11

Packing List..... 12

Additional Info: Please Read Before Beginning

- This kit is designed to fit multiple factory bracket configurations. Some photos may vary and some hardware may not be necessary.
- Vehicles that are not factory equipped with A/C will require the later OEM style brackets and are available through Vintage Air, part numbers: 137152 and 137153
- This kit requires one of the following power steering setups:
 - 1985-93 Ford Power Steering Bracket (E5ZC-3C511-AA)
 - Vintage Air Ford Power Steering Kit (137147)
 - Vintage Air TC Power Steering Kit (137134)
 - Power Steering Delete Spacers (180059 and 180060)
- Due to multiple available power steering pump bracket configurations, the power steering pump and pulley may need to be disconnected or removed from the existing bracket in order to install the pump on a compatible bracket. Follow manufacturer recommended tools and procedures.

Additional Parts & Accessories

- 137152 - 1983-93 V8 Mustang Front Bracket



- 137153 - 1983-93 V8 Mustang Rear Bracket



- 137147 - Power Steering Bracket Kit 1979-93 V8 Mustang



- 852012 - DSE Hose Kit 1979-2004 Ford Fox Body



- 137134 - TC Power Steering Bracket Kit 1983-93 V8 Mustang
- 180059 and 180060 - Power Steering Delete Spacers



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Packing List: Bracket Kit (137130)

No.	Qty.	Part No.	Description
1.	1	137131	Bracket, Front Mounting, Compressor
2.	1	137132	Bracket, Rear Mounting, Compressor
3.	1	191140	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. Disconnect the battery.
2. Using an 18mm ratchet or breaker bar, rotate the tensioner counter-clockwise, then remove the serpentine belt.
3. Uninstall the power steering bracket from engine. See Additional Info, Page 2 for notes.
4. Remove any mounting brackets from the driver side of the water pump and driver side head (See Photo 1, below).
5. Once original brackets are removed, gather needed parts from the Additional Parts & Accessories, Page 2, section to prepare for installation.

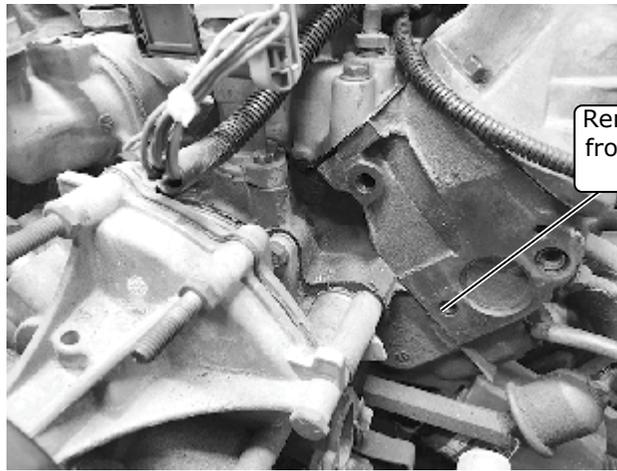


Photo 1

Bracket Installation

1. Install OEM rear bracket (137153) onto driver-side head using a 7/16-14 x 1 1/4" hex bolt and 3/8" flat washer into the lower hole as shown in Photo 1, below. **NOTE: Install 7/16-14 x 6 1/2" hex bolt into the upper hole to align the bracket. Tighten the lower bolt then remove the upper bolt (See Photo 1, below).**
2. Install OEM front bracket (137152) onto the water pump studs. Secure with (3) 3/8-16 serrated flange hex nuts (See Photo 2, below). Leave loose.

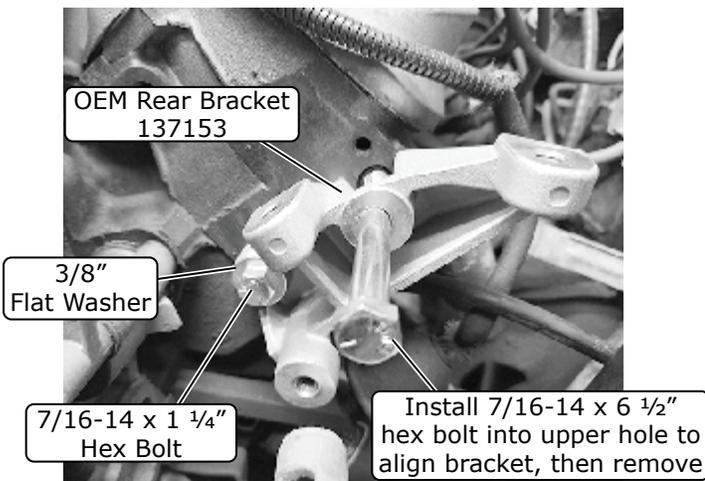


Photo 1

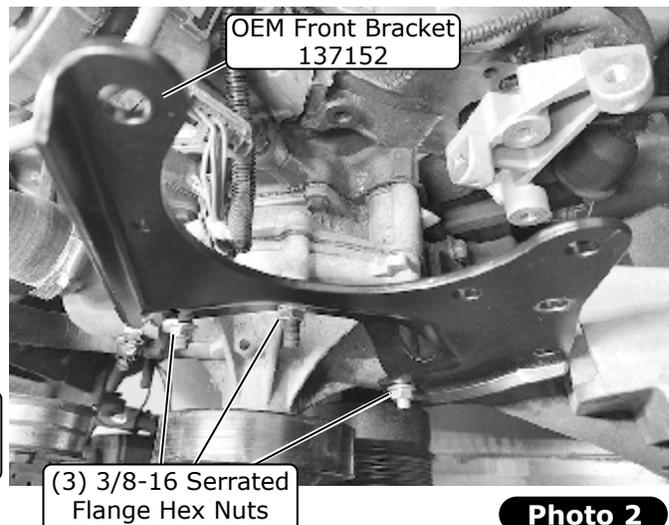
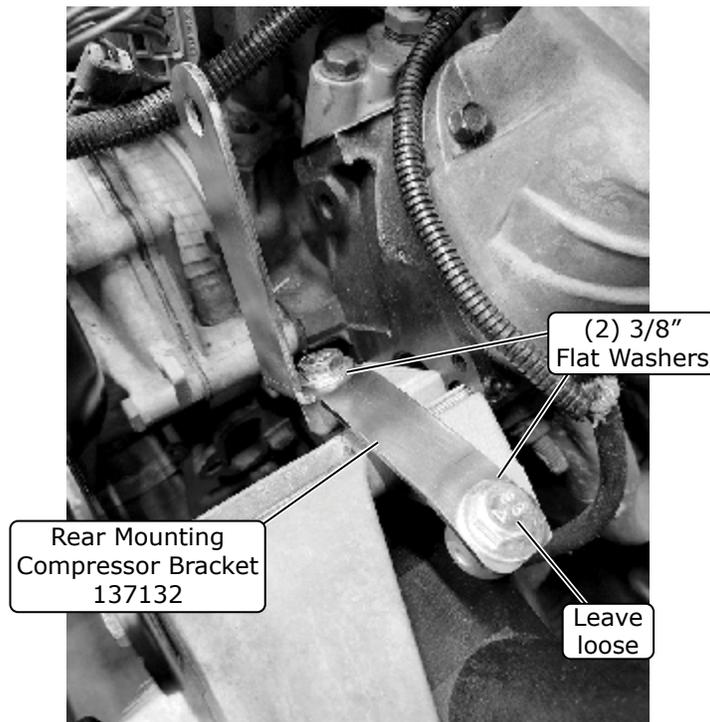
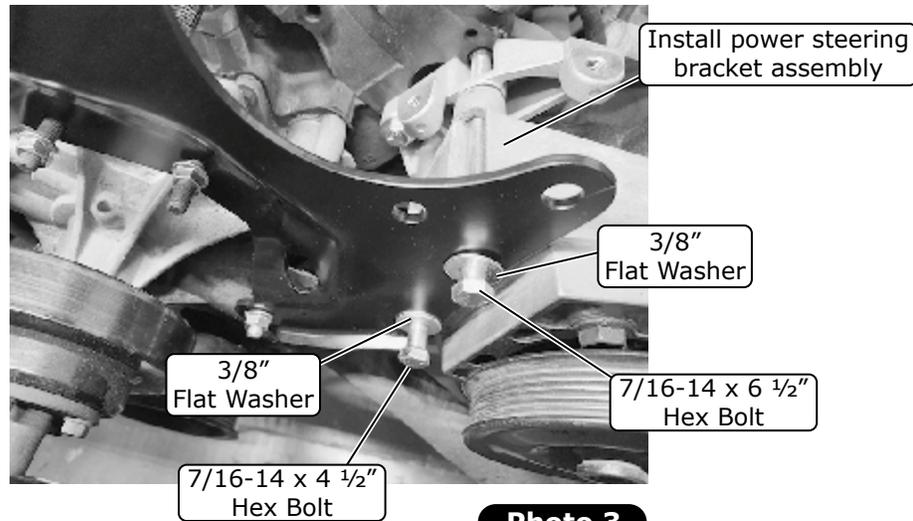


Photo 2

Bracket Installation (Cont.)

3. Install the power steering bracket assembly between OEM rear bracket (137153) and OEM front bracket (137152) using the 7/16-14 x 6 1/2" hex bolt and 3/8" flat washer on the top hole and 7/16-14 x 4 1/2" hex bolt and 3/8" flat washer into the bottom hole as shown in Photo 3, below.
4. Tighten all nuts and bolts.
5. Install Vintage Air rear mounting compressor bracket (137132) onto the OEM rear bracket (137153) using (2) 3/8" flat washers (See Photo 4, below). Leave loose.
6. Refer to Step 4 of Bracket Installation, Page 8, to complete installation.



1983-93 Ford V8 Mustang with A/C

Engine Disassembly

1. Disconnect the battery.
2. Using an 18mm ratchet or breaker bar, rotate the tensioner counter-clockwise, then remove the serpentine belt.
3. Evacuate the A/C system.
4. Disconnect the hoses.
5. Unplug the electrical connection from the front of the compressor (See Photo 1, below).
6. Remove and retain (2) M10 x 1.5 x 25mm OEM bolts from the cast aluminum rear support bracket (See Photo 2, below).
7. Remove (3) bolts from the front compressor mount, then remove the compressor (See Photos 2 and 3, below).
8. Remove and retain (3) 3/8-16 OEM nuts, a 7/16-14 OEM nut and a 7/16-14 OEM bolt from the OEM bracket (See Photo 4, below). Remove and retain the bracket.

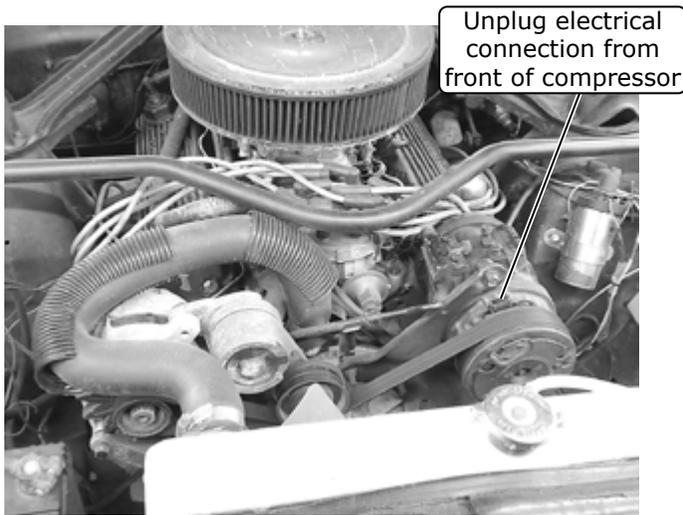


Photo 1

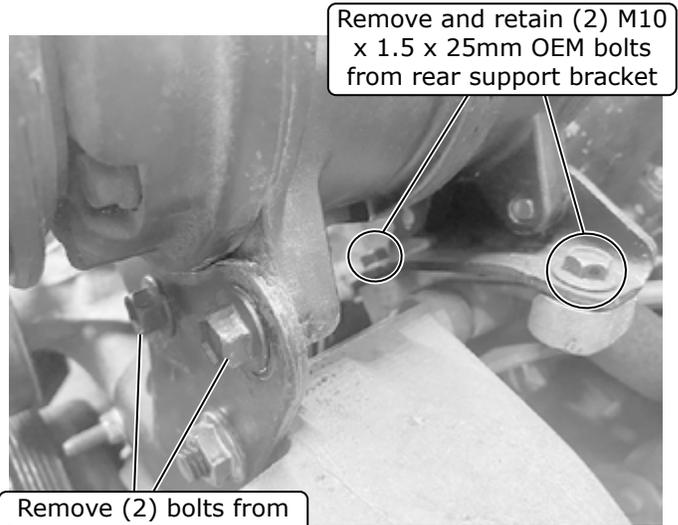


Photo 2



Photo 3

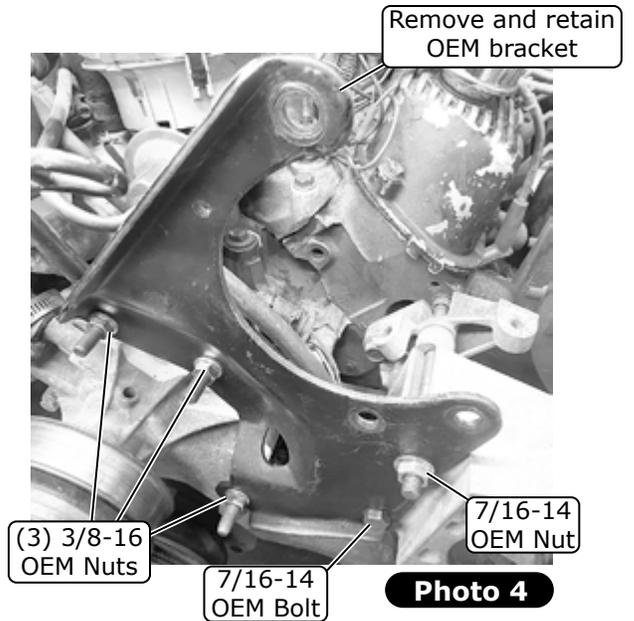


Photo 4

Bracket Installation

1. Install the rear mounting compressor bracket onto the rear cast aluminum bracket by using the previously removed (2) M10 x 1.5 x 25mm OEM bolts (See Photo 1, below). **NOTE: Do not fully tighten at this time.**
2. Install the OEM power steering bracket (1985-93) (See Photo 2, below) or the longer power steering delete spacer (180059-not included) (See Photo 3, below) onto the OEM stud.
3. Install the OEM front compressor bracket. Secure the bracket to the studs using the (3) 3/8-16 OEM nuts and 7/16-14 OEM nut (See Photo 4, below). Install the 7/16-14 OEM bolt into either the OEM power steering bracket or the shorter power steering delete spacer (180060-not included) (See Photos 4 and 5, below).

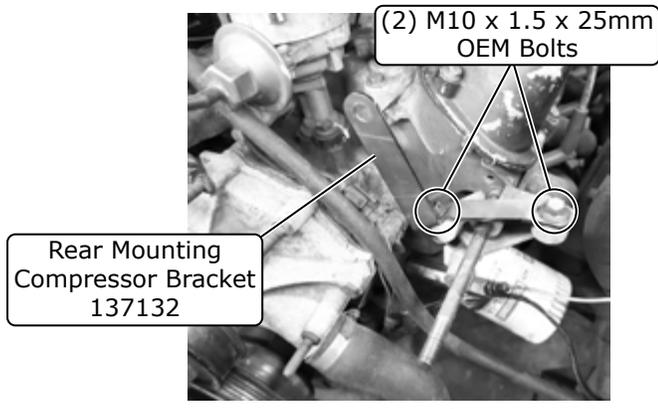


Photo 1

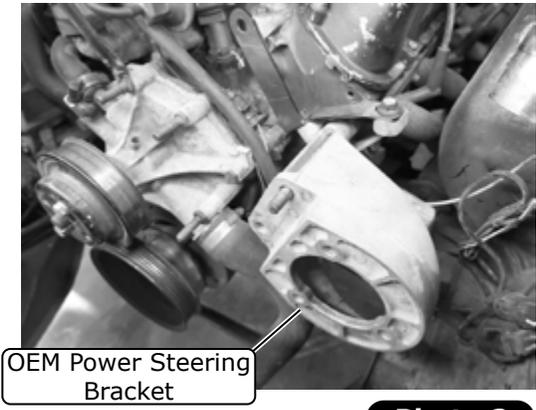


Photo 2



Photo 3

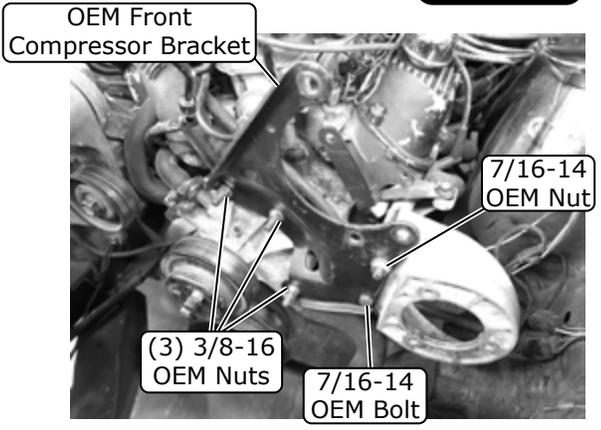


Photo 4

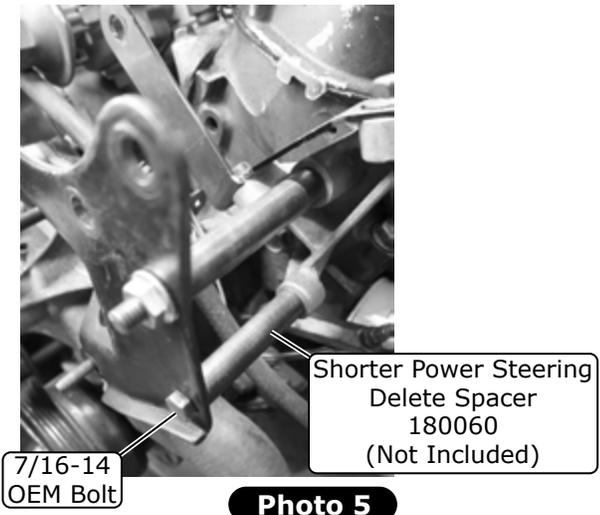


Photo 5

Bracket Installation (Cont.)

4. Install the front mounting compressor bracket onto the OEM compressor bracket (137152) using a 7/16-14 x 1 3/4" hex bolt, a .750" OD x .482" ID x 0.625" length spacer, a 7/16" flat washer and a 7/16-14 locknut, using the top hole to hold the bracket (See Photos 6 and 6a, below). **NOTE: Do not fully tighten at this time.**
5. Secure the bottom of the front mounting compressor bracket using (2) 7/16-14 x 1 3/4" hex bolts, (2) .750" OD x .482" ID x 0.625" length spacers, (2) 7/16" flat washers and (2) 7/16-14 locknuts (See Photo 7, below). Tighten all (3) bolts at this time. **NOTE: The front mounting compressor bracket should be installed with the bolt landing on the right-hand side. The left side hole should be inside of the OEM bracket's cradle (See Photo 8, below).**

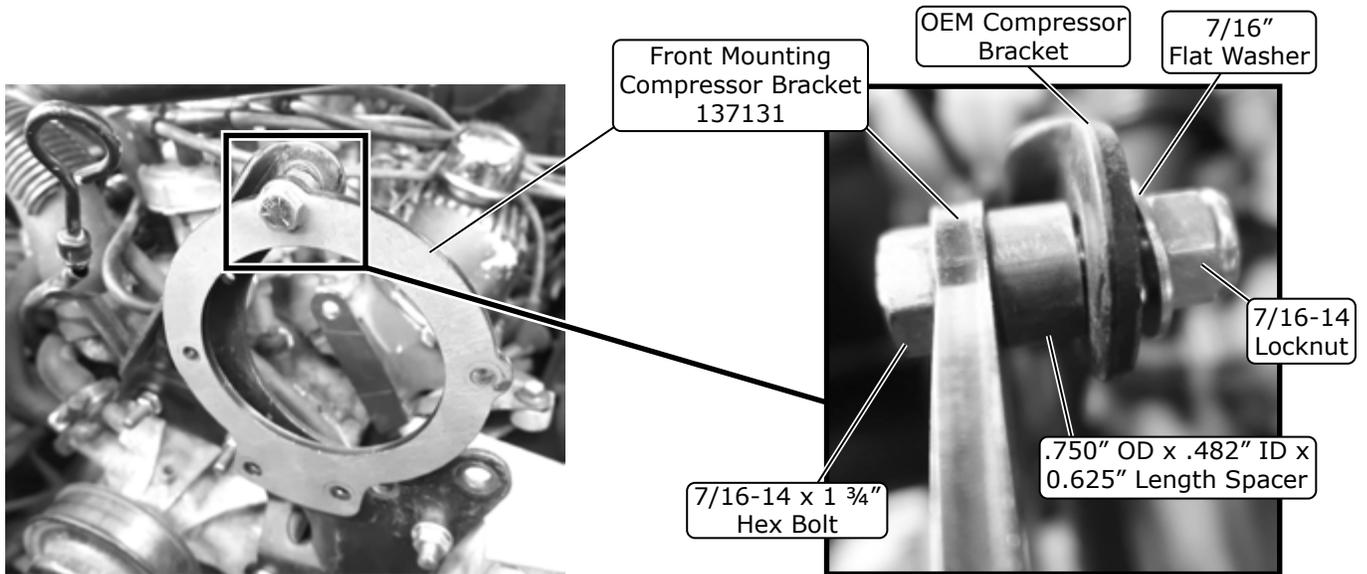


Photo 6

Photo 6a

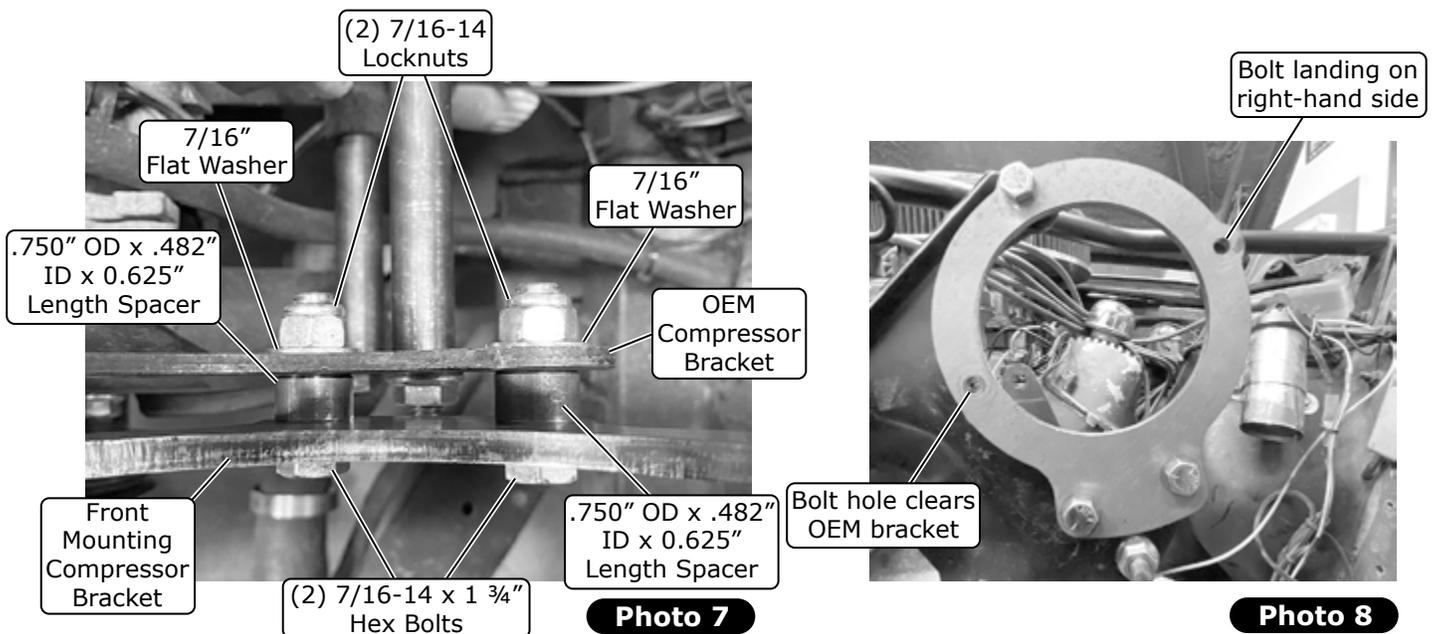


Photo 7

Photo 8

Compressor Installation

1. From the rear of the bracket, place the compressor inside the ring and rotate until the compressor ears align with the front and rear bracket holes (See Photo 1, below).
2. Secure the rear mounting compressor bracket to the compressor using a 5/16-18 x 1 1/2" hex bolt, (2) 1/4" USS flat washers and a 5/16-18 locknut (See Photo 2, below). **NOTE: Do not fully tighten.**
3. Secure the compressor to the front mounting compressor bracket using (2) 5/16-18 x 1 1/4" hex bolts, (2) 1/4" USS flat washers and (2) 5/16-18 locknuts (See Photos 3 and 4, below). **NOTE: Fully tighten the rear mounting compressor bracket bolt at this time.**

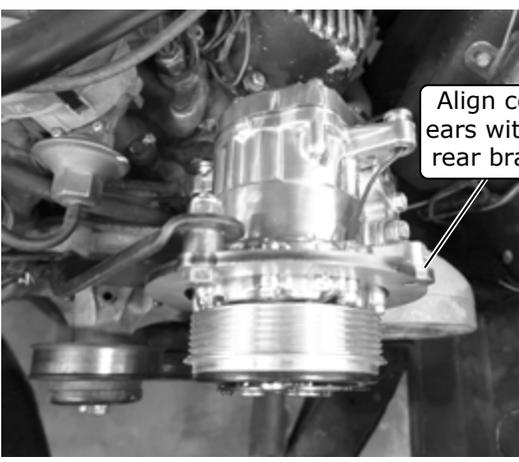


Photo 1

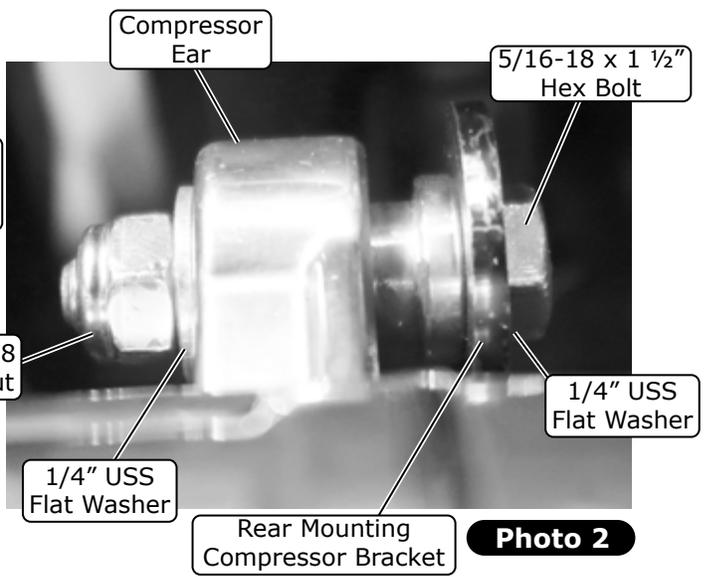


Photo 2

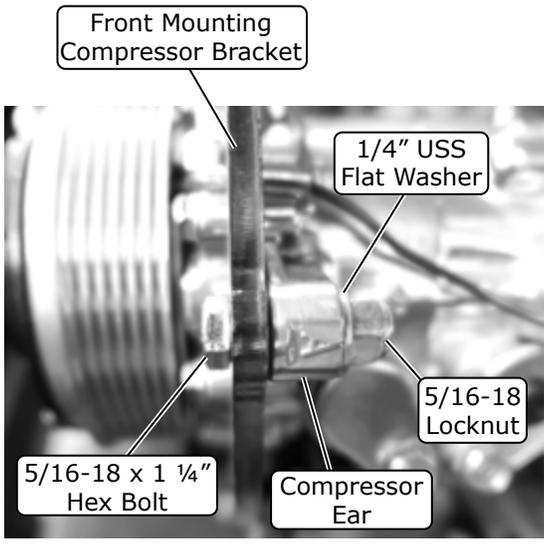


Photo 3

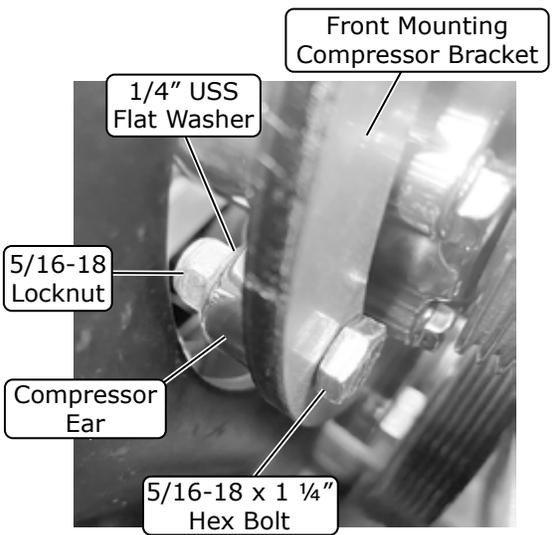
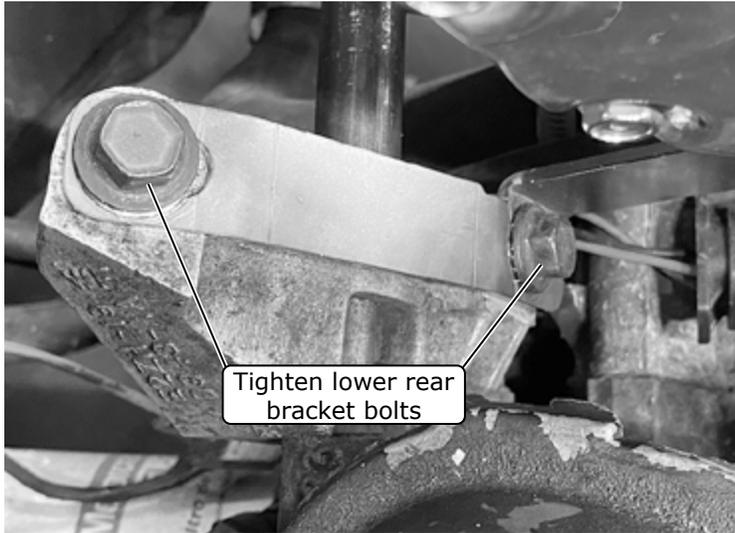


Photo 4

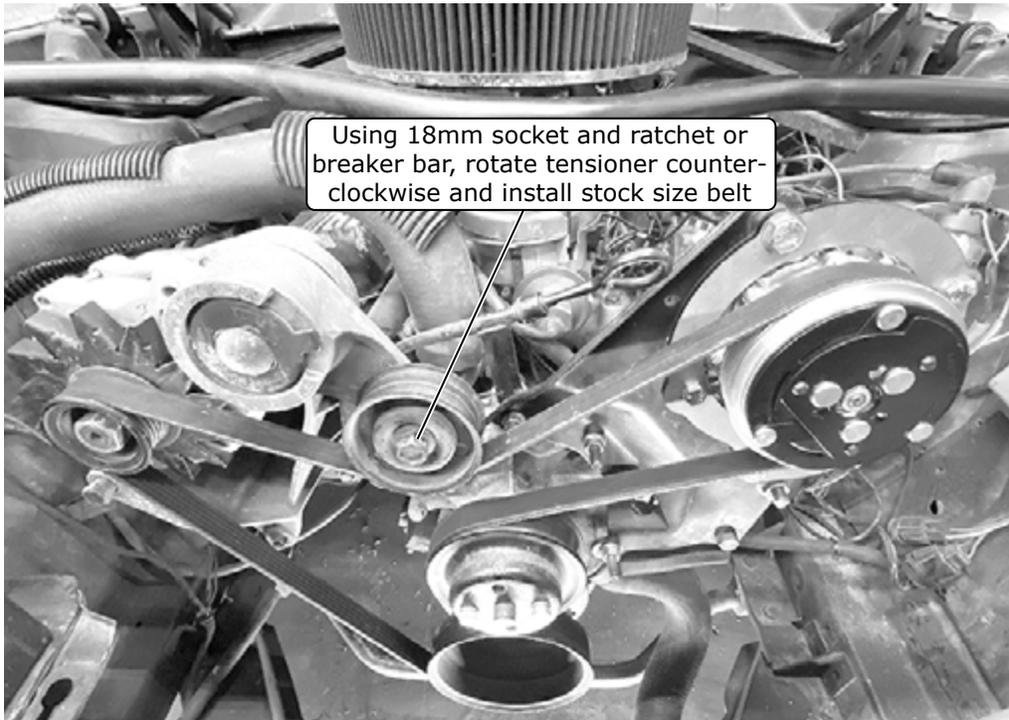
Compressor Installation (Cont.)

4. Tighten the lower rear bracket bolts at this time (See Photo 5, below).
5. Using an 18mm socket and ratchet or breaker bar, rotate the tensioner counter-clockwise and install the stock size belt (See Photo 6, below).



Tighten lower rear
bracket bolts

Photo 5



Using 18mm socket and ratchet or
breaker bar, rotate tensioner counter-
clockwise and install stock size belt

NOTE: This photo is shown with the power steering delete. See Belt Routing Diagram, Page 9, for factory routing.

Photo 6

Compressor Warnings

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

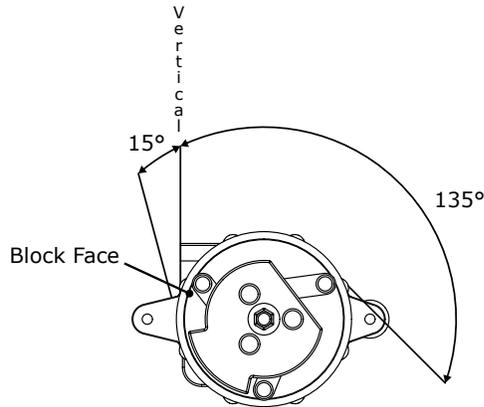
1. With compressor kit installed, and belt tightened, check angle of oil plug on compressor. As shown below, oil plug must not exceed 90° beyond vertical centerline.
2. Do not connect compressor clutch wire until system is being charged with refrigerant. Running compressor without refrigerant charge may result in compressor failure.

Important Compressor Information

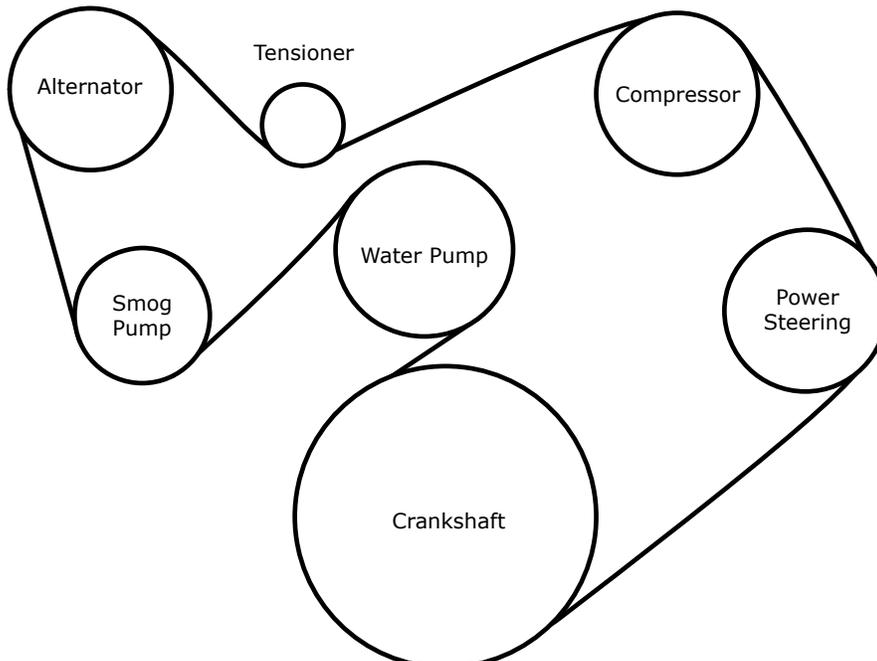
Sanden 7B10 Style Compressors

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).



Factory Serpentine Belt Routing Diagram





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Packing List: Bracket Kit (137130)

No.	Qty.	Part No.	Description
1.	1	137131	Bracket, Front Mounting, Compressor
2.	1	137132	Bracket, Rear Mounting, Compressor
3.	1	191140	Hardware Kit

Checked By: _____
 Packed By: _____
 Date: _____

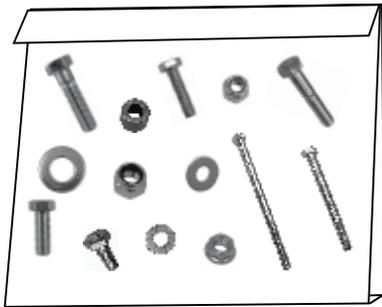
1



2



3



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

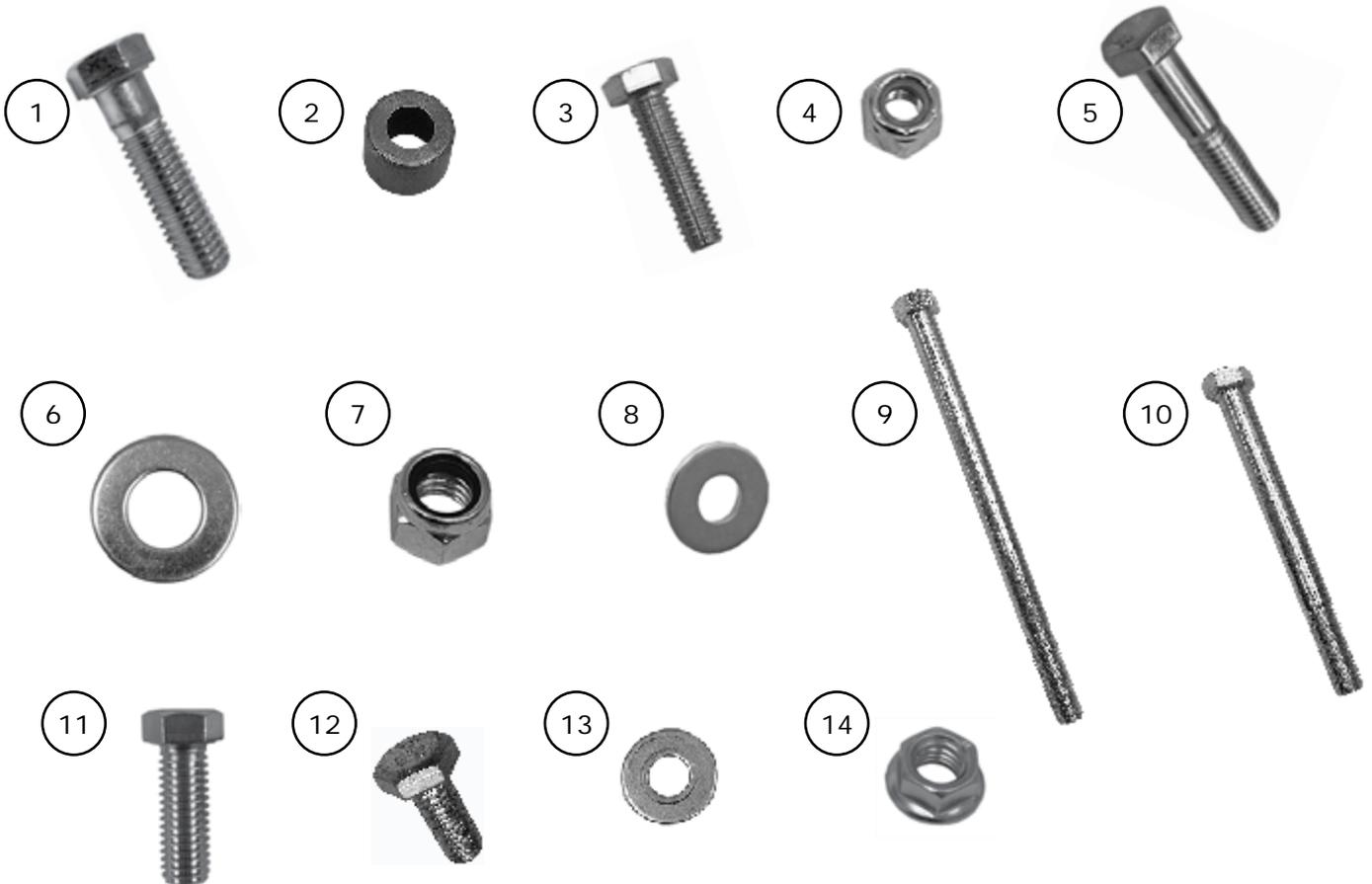


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Packing List: 1979-86 Ford V8 Mustang w/o A/C 1983-93 Ford V8 Mustang with A/C Compressor Bracket Hardware Kit (191140)

No.	Qty.	Part No.	Description	
1.	3	181559	Bolt, 7/16-14 x 1 3/4", Hex	_____
2.	3	180165	Spacer, .750" OD x .482" ID x 0.625" Length	_____
3.	2	183009-DSR	Bolt, 5/16-18 x 1 1/4", Hex	_____
4.	3	18151-VUB	Locknut, 5/16-18	_____
5.	1	18310-VUB	Bolt, 5/16-18 x 1 1/2", Hex	_____
6.	3	18425-VUB	Washer, 7/16", Flat	_____
7.	3	181561	Locknut, 7/16-14	_____
8.	4	18125-VUB	Washer, 1/4" USS, Flat	_____
9.	1	184082	Bolt, 7/16-14 x 6 1/2", Hex	_____
10.	1	184084	Bolt, 7/16-14 x 4 1/2", Hex	_____
11.	1	18424-VUB	Bolt, 7/16-14 x 1 1/4", Hex	_____
12.	2	184026	Bolt, M10 x 1.5 x 25mm, Hex	_____
13.	5	18029-VUB	Washer, 3/8", Flat	_____
14.	3	181560	Nut, 3/8-16, Serrated Flange Hex	_____

Checked By: _____
Packed By: _____
Date: _____



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