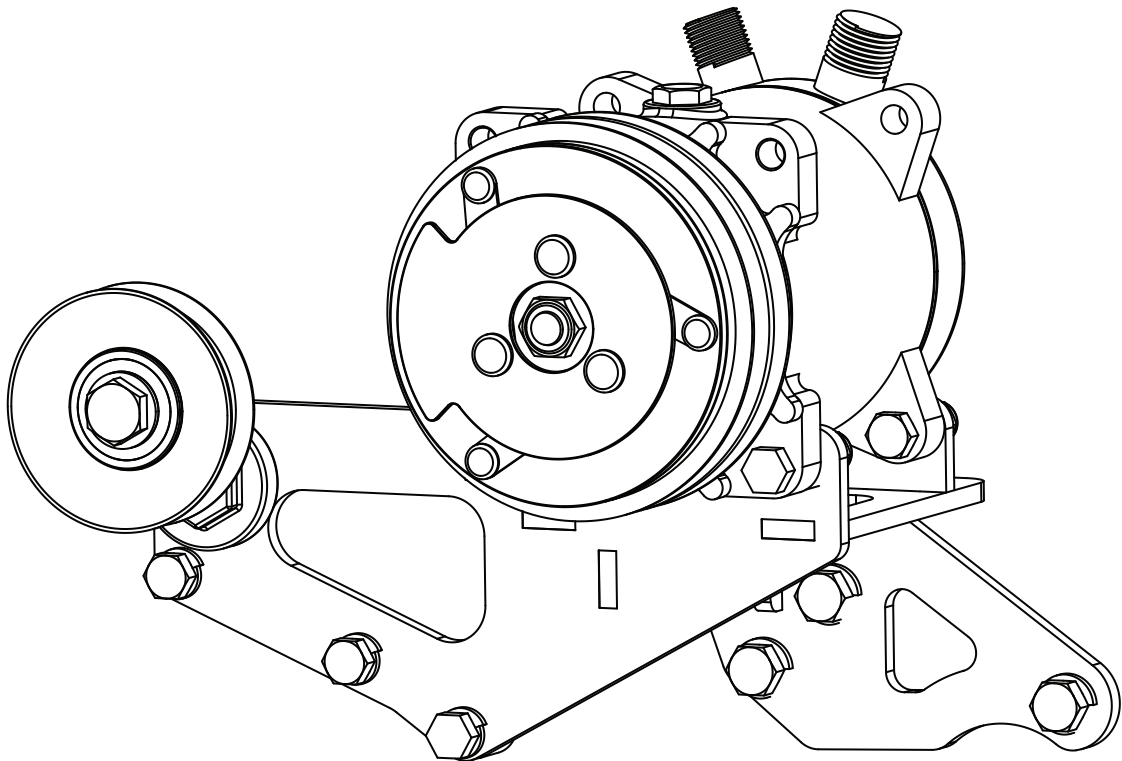




# 1970-74 Ford 351C

## Compressor Bracket Kit

(137170)



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## Additional Info: Please Read Before Beginning

- This kit was designed for the 351 Cleveland (351C) engine.
- Even though heads and water pumps may be interchangeable, due to the deck height differences, this kit will **NOT** fit 351M/400 engines.
- This kit requires a 3-groove crank pulley such as D0AE-6212-C.
- Vintage Air used a Gates XL7520 for the AC belt. Due to various pulley diameters and accessory options, belts may vary. Measure to ensure the correct belt length for your application.

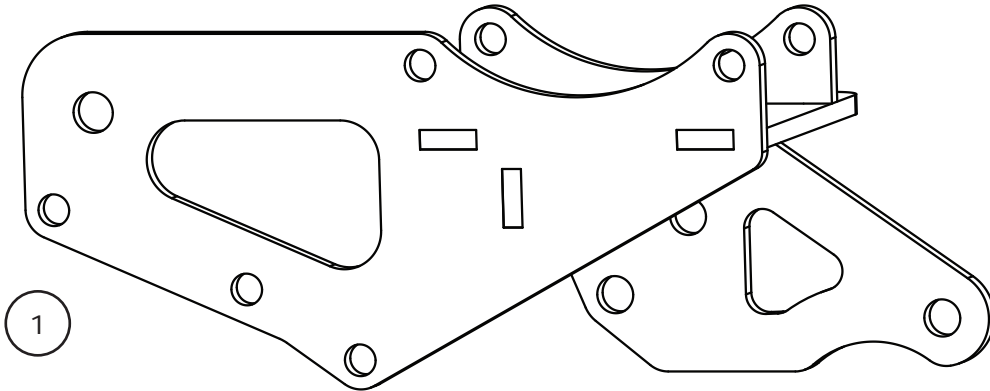


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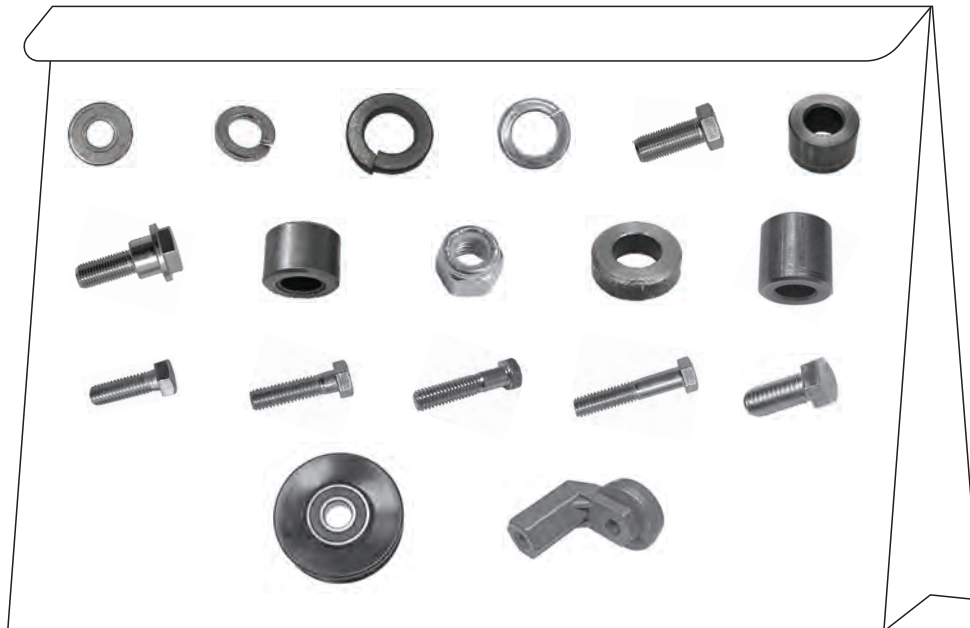
# Packing List: Compressor Bracket Kit (137170)

No.	Qty.	Part No.	Description
1.	1	137169	Bracket Assembly, Compressor
2.	1	193202	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.**



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

## Disassembly Instructions

1. Disconnect the battery.
2. Drain the coolant.
3. Loosen the A/C and power steering belt tension (if equipped).
4. Remove the OEM A/C compressor (if equipped).
5. If equipped with factory A/C and power steering, remove the upper power steering bolt and all A/C bracket bolts.
6. Remove all factory A/C components.
7. Remove the radiator fan and pulley.
8. Remove the (3) water pump bolts as shown in Photo 1, below.



Photo 1

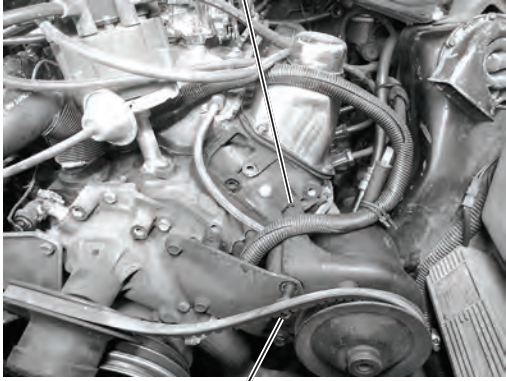
**NOTE:** Before tightening bolts, assemble all brackets loosely to engine. This will ensure proper alignment of all brackets.

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## Bracket Installation

1. Install a .750" O.D. x .406" I.D. x .500" length spacer between the factory power steering bracket (if equipped) and head, then reinstall the bolt (See Photo 1, below)..
2. Install the compressor bracket assembly onto the driver-side head using (3) 7/16-14 x 1" hex bolts and (3) 7/16" lock washers (See Photo 2, below). **NOTE: Leave them loose at this time.**
3. Install (2) 3/8-16 x 1 1/4" hex bolts and (2) 3/8" lock washers through the assembly, then (2) .750" O.D. x .406" I.D. x .250" length spacers between the bracket assembly and into the water pump (See Photos 3 and 4, below). **NOTE: Leave them loose at this time.**
4. Install a 3/8-16 x 1 3/4" hex bolt and 3/8" lock washer through the assembly, then a .750" O.D. x .406" I.D. x .563" length spacer between the bracket assembly and into the water pump as shown in Photos 3 and 4, below. **NOTE: Use a .750" O.D. x .406" I.D. x .750" length spacer if no power steering bracket is installed.**
5. Tighten all bolts into the engine at this time.

Install  
 .750" O.D. x .406" I.D. x .500" length  
 spacer between factory power steering  
 bracket (if equipped) and head



Reinstall  
 bolt

**Photo 1**

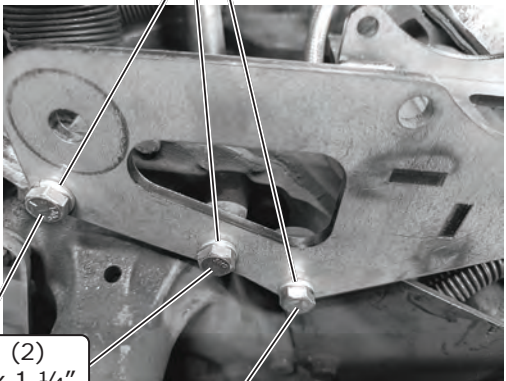
Install (3) 7/16" lock washers



Install (3)  
 7/16-14 x 1" hex bolts

**Photo 2**

(3) 3/8" lock  
 washers



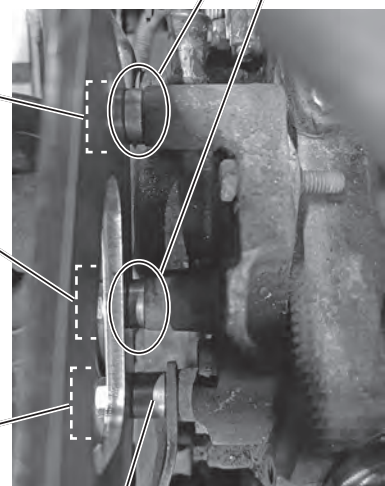
Install (2)  
 3/8-16 x 1 1/4"  
 hex bolts

Install 3/8-16 x 1 3/4"  
 hex bolt

**Photo 3**

Install (2)  
 .750" O.D. x .406" I.D. x .250" length spacers

Install (2) 3/8-16 x 1 1/4"  
 hex bolts and (2) 3/8"  
 lock washers



Install 3/8-16 x 1 3/4"  
 hex bolt and 3/8"  
 lock washer

Install  
 .750" O.D. x .406" I.D. x .563" length  
 spacer

**Photo 4**

## Bracket Installation (Cont.)

6. Install a 1/2-20 x 1 1/4" hex bolt and 1/2" lock washer through the rear of the assembly, and into the 2 3/8" idler eccentric (See Photo 5, below). **NOTE: Leave them loose at this time.**
7. Install the shoulder bolt through the 3 1/8" idler pulley, and into the 2 3/8" idler eccentric (See Photo 6, below). **NOTE: The 3/8" flat washer included may be used between the pulley and eccentric to achieve proper idler pulley spacing if needed (See Photo 7, below).**
8. Install the compressor into the cradle (See Photo 8, below).
9. Secure the rear ears using (2) 3/8-16 x 1 1/2" hex bolts and (2) 3/8-16 locknuts (See Photo 8, below). **NOTE: Leave them loose at this time.**
10. Secure the front ears using (2) 3/8-16 x 2" hex bolts, (2) .750" O.D. x .406" I.D. x .563" length spacer, and (2) 3/8-16 locknuts (See Photo 8, below).
11. Tighten all the compressor bolts at this time.
12. Reinstall the previously removed items.
13. Install and tension the belts. **NOTE: Vintage Air used a Gates XL7520 for the A/C belt. Due to various pulley diameters and accessory options, belts may vary. Measure to ensure correct belt length for your application.**

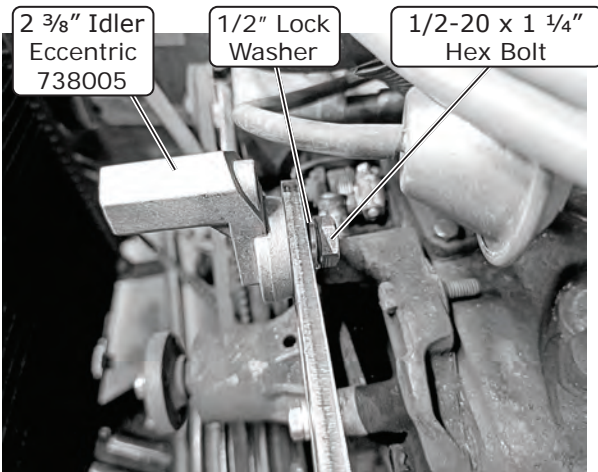


Photo 5

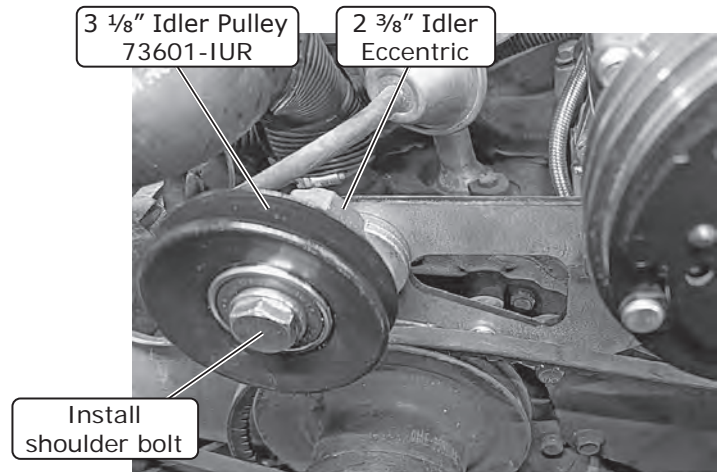


Photo 6

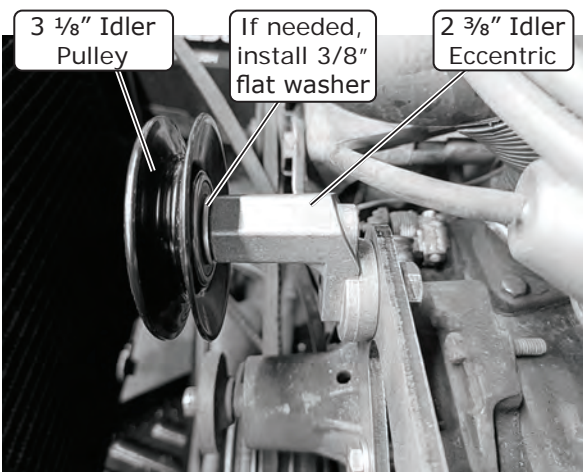


Photo 7

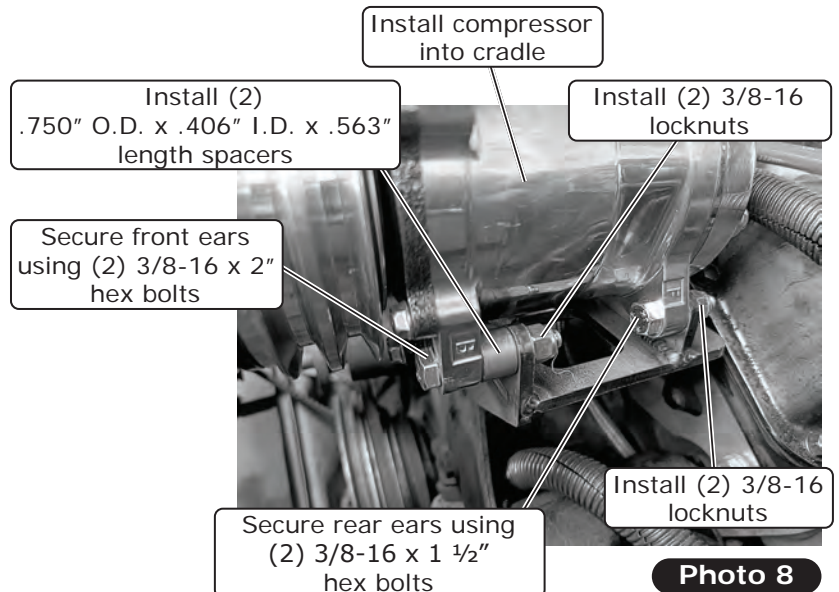
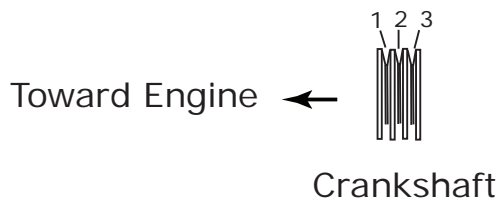
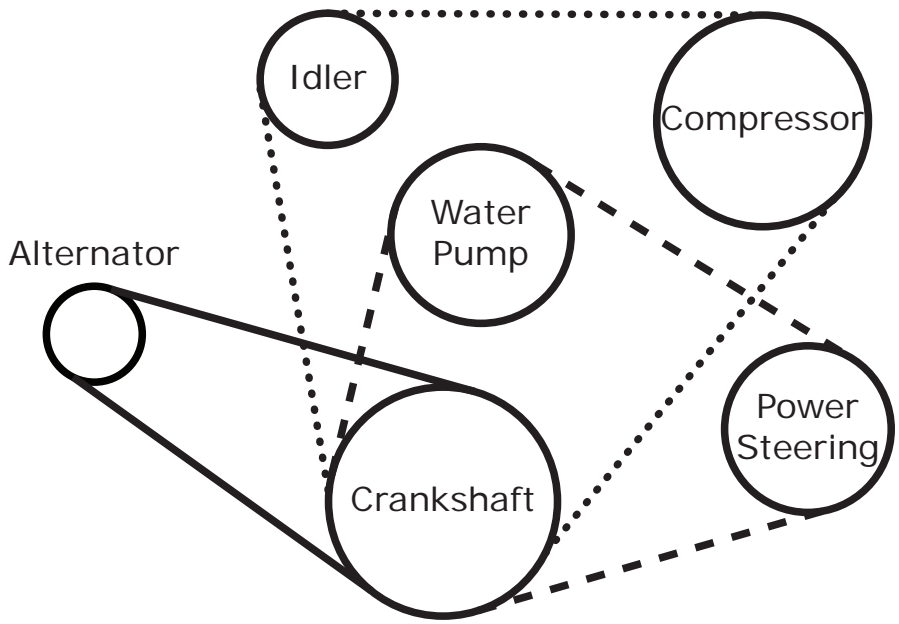


Photo 8

1. Route belts as shown below.



**Crankshaft Pulley Grooves:**

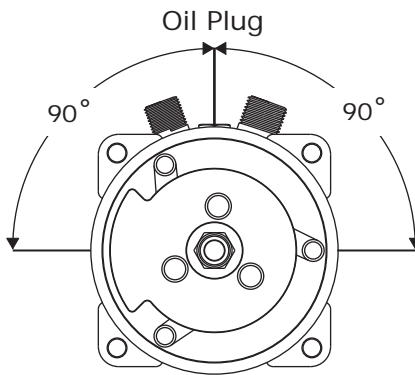
1. Crankshaft, Water Pump & Power Steering
2. Crankshaft & Alternator
3. Crankshaft, Idler & Compressor

## Important Compressor Information

### Sanden & TCCA 5H14 "508" Compressors

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

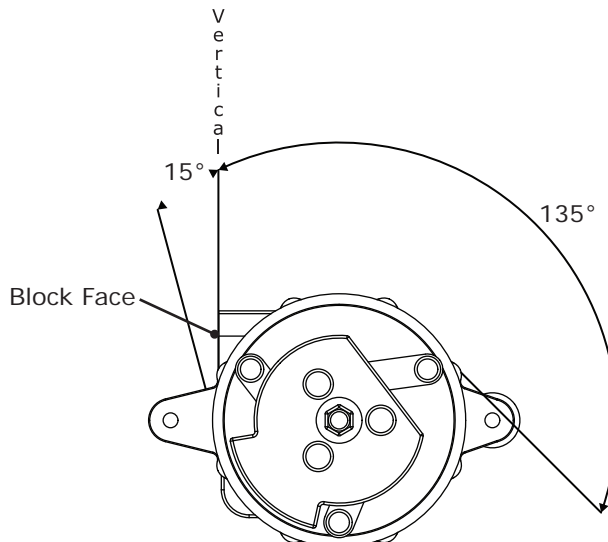
- Do not connect compressor clutch wire until system is being charged with refrigerant. Since an A/C system relies on refrigerant to circulate lubricant, running the compressor without refrigerant may destroy the compressor and void the warranty.
- Proper compressor orientation is important. Sanden compressors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



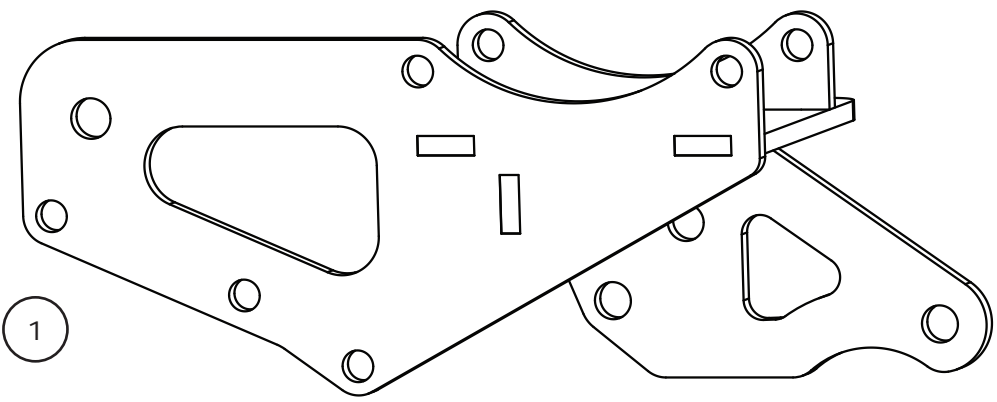


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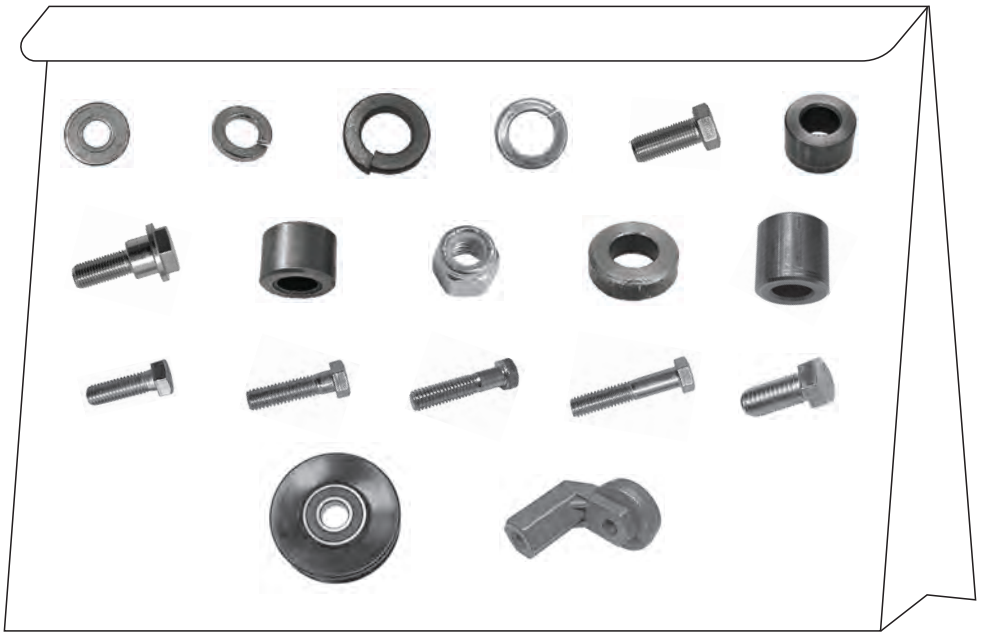
# Packing List: Compressor Bracket Kit (137170)

No.	Qty.	Part No.	Description
1.	1	137169	Bracket Assembly, Compressor
2.	1	193202	Hardware Kit

Checked By: \_\_\_\_\_  
 Packed By: \_\_\_\_\_  
 Date: \_\_\_\_\_



2



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

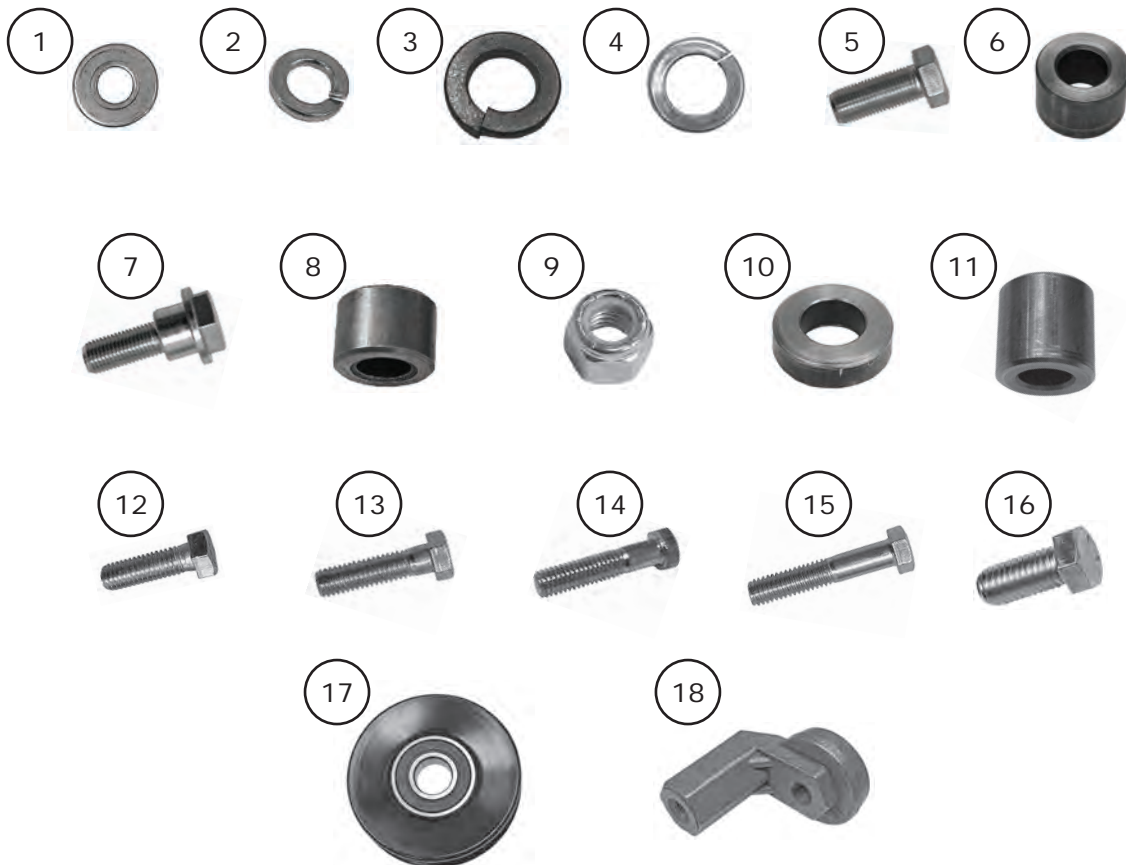


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# Packing List: 1970-74 Ford 351C Compressor Bracket Hardware Kit (193202)

No.	Qty.	Part No.	Description
1.	1	18029-VUB	Washer, 3/8", Flat
2.	3	18030-VUB	Lock Washer, 3/8"
3.	3	18031-VUB	Lock Washer, 7/16"
4.	1	18032-VUB	Lock Washer, 1/2"
5.	1	18046-VUB	Bolt, 1/2-20 x 1 1/4", Hex
6.	1	18064-SSR	Spacer, .750" O.D. x .406" I.D. x .500" Length
7.	1	18070-VUB	Bolt, Shoulder
8.	3	180916-SSR	Spacer, .750" O.D. x .406" I.D. x .563" Length
9.	4	18155-VUB	Locknut, 3/8-16
10.	2	18201-VUB	Spacer, .750" O.D. x .406" I.D. x .250" Length
11.	1	18210-VUB	Spacer, .750" O.D. x .406" I.D. x .750" Length
12.	2	18360-VUB	Bolt, 3/8-16 x 1 1/4", Hex
13.	2	18361-VUB	Bolt, 3/8-16 x 1 1/2", Hex
14.	1	18362-VUB	Bolt, 3/8-16 x 1 3/4", Hex
15.	2	18364-VUB	Bolt, 3/8-16 x 2", Hex
16.	3	18405-VUB	Bolt, 7/16-14 x 1", Hex
17.	1	73601-IUR	Pulley, 3 1/8" Idler
18.	1	738005	Eccentric, 2 3/8" Idler

Checked By: \_\_\_\_\_  
Packed By: \_\_\_\_\_  
Date: \_\_\_\_\_



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