

40-7305R

Compressor Bracket

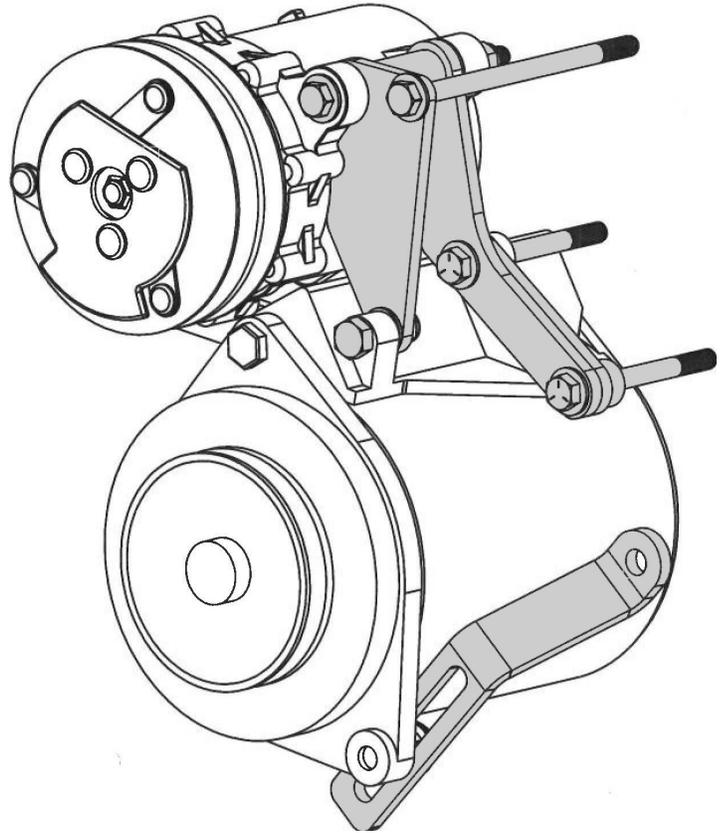
1955-57 Ford Thunderbird
w/ Generator



1201 Forum Way South, Fort Worth TX 76140
817-531-2665 or FAX 817-531-3257

The 40-7305L compressor bracket is designed to mount a 7170 series compressor or equivalent on the passenger side of a 1955-57 Ford Thunderbird with a V-8 Ford "Y" Block engine.

Installation requires a #21-7170 compressor or equivalent and #91-0417 compressor fitting.



Important Information, Read Before Beginning Installation

- 1) This bracket is designed to use the original OEM Generator, OEM Bracket and Tensioner Arm.
- 2) Belt used for this installation is a Gates XL 9463. A different belt may be required for your individual application depending upon pulley diameters.
- 3) Heater Hose fitting will need to be rotated to 12:00 position as shown to clear the compressor.
- 4) The bolts inserted into timing cover, water pump and engine block will require thread sealer.
- 5) Remove OEM tensioner/bracket assembly (5 Bolts) and remove from engine.
- 6) If brackets are painted a ground path must be maintained by masking or removing paint on brackets or by adding ground wires to compressor and generator bodies.
- 7) Brackets that have been installed, painted, altered or modified may not be returned.

Prepare Vehicle for Compressor Bracket Installation

- 1) Disconnect Battery.
- 2) Drain coolant, remove upper radiator hose and heater hose.
- 3) Remove generator belt. If equipped with power steering loosen belt as required to remove generator belt.
- 4) Remove "Z" bracket from water pump and generator bracket. (Photo 1)
- 5) Disconnect wire harness from generator.
- 6) Remove generator tension adjustment arm from engine. (Photo 1)
- 7) Remove the 2 bolts from OEM generator bracket and remove generator and bracket from engine.
- 8) Remove nuts and bolts securing generator to OEM bracket. (Photo 2)

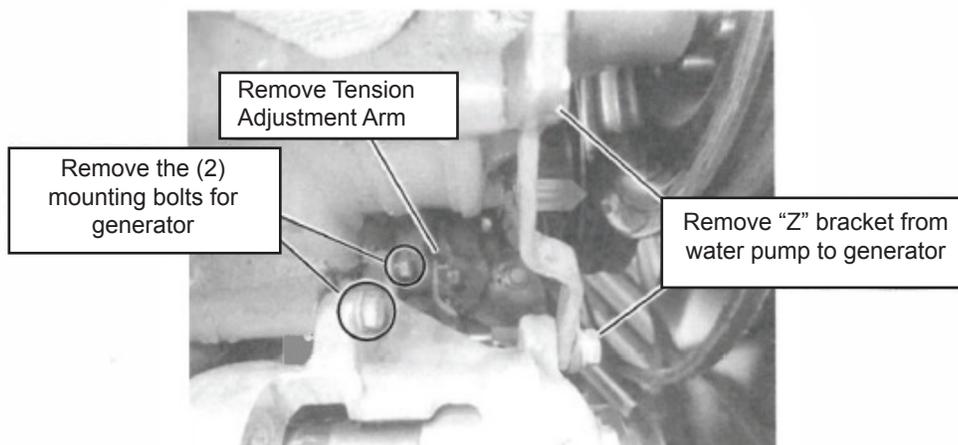


PHOTO #1

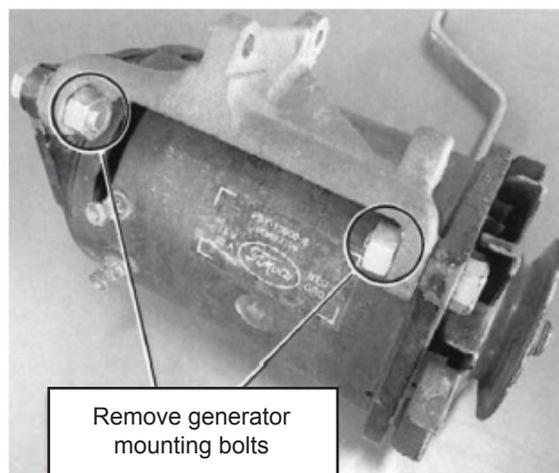
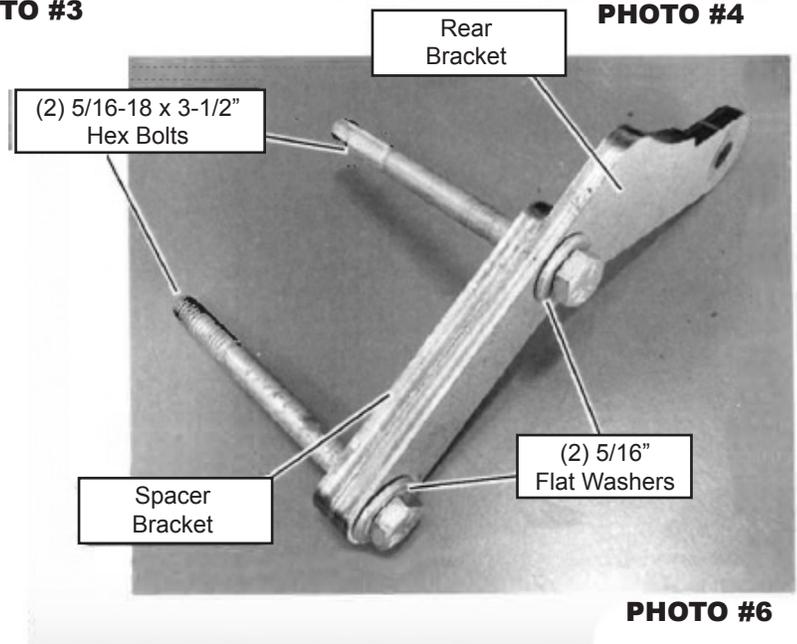
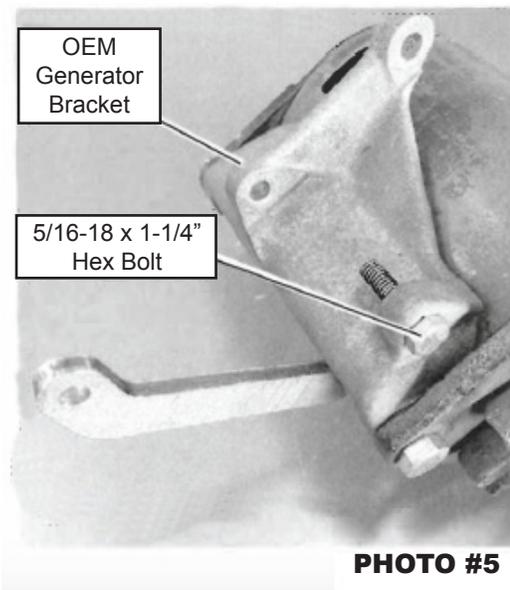
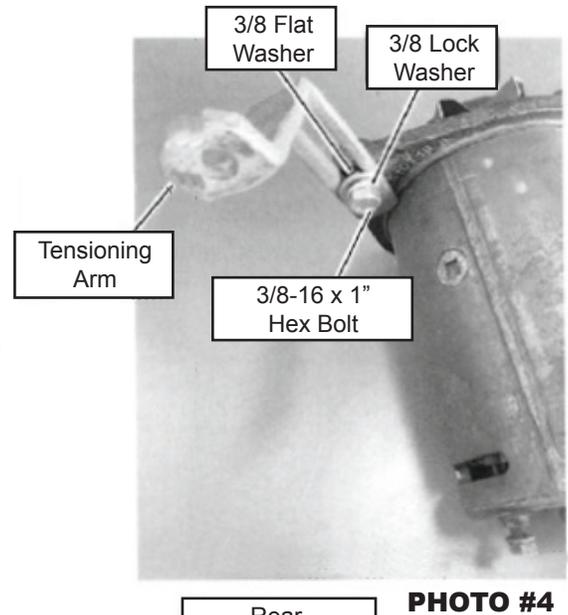
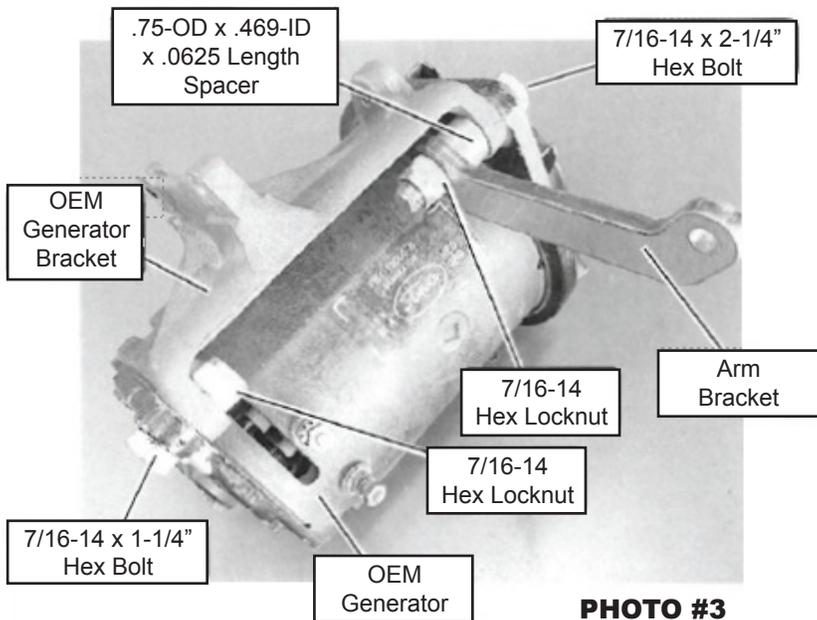


PHOTO #2

Compressor and Bracket Installation (continued)

- 1) Install the rear bracket into OEM generator bracket as shown in photo 3.
- 2) Insert 7/16-14 x 2-1/4" bolt through front generator mounting hole, bracket, .75OD x .625 Length spacer, arm bracket and 7/16-14 locknut as shown in photo 3. Leave bolt/nut loose enough for arm bracket to rotate. See photo 3.
- 3) Attach tensioner arm to generator with 3/8-16 x 1" bolt, 3/8" lock washer and 3/8" flat washer as shown in photo 4.
- 4) Insert 5/16-18 x 1-1/8" bolt into threaded boss on front of OEM bracket as shown in photo 5.
- 5) Insert (2) 5/16-18 x 3-1/2" bolts through 5/16" flat washers, rear bracket and spacer bracket. NOTE: spacer bracket has flat side that must align with longer side of rear bracket to fit on the generator bracket. See photo 6.



Compressor and Bracket Installation (continued)

- 6) Insert bolts from the rear bracket into OEM generator bracket (Photo 7) and apply thread sealer to threads.
- 7) Place 5/16" flat washer over backside of the 5/16-18 x 1-1/4 bolt. (Photo 7)
- 8) Install generator and bracket assembly on engine. (Photos 8 & 9)
- 9) Apply thread sealer to original bolt and secure generator tensioner arm to engine. (Photo 9)

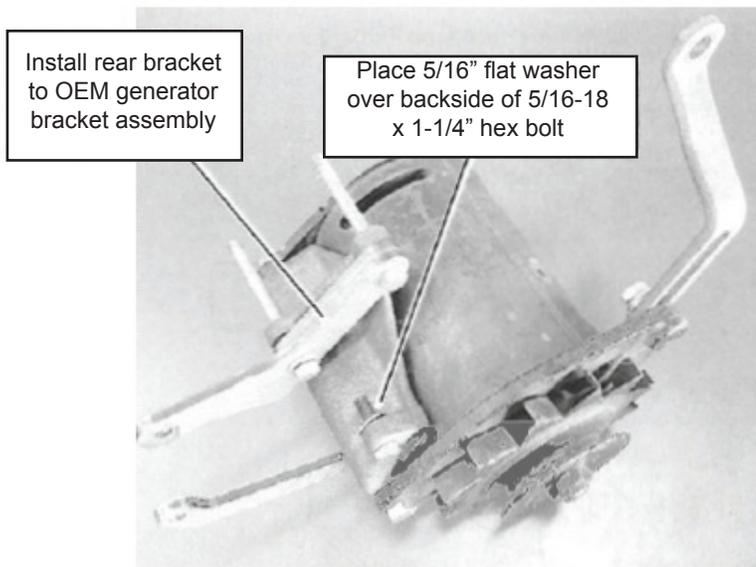


PHOTO #7

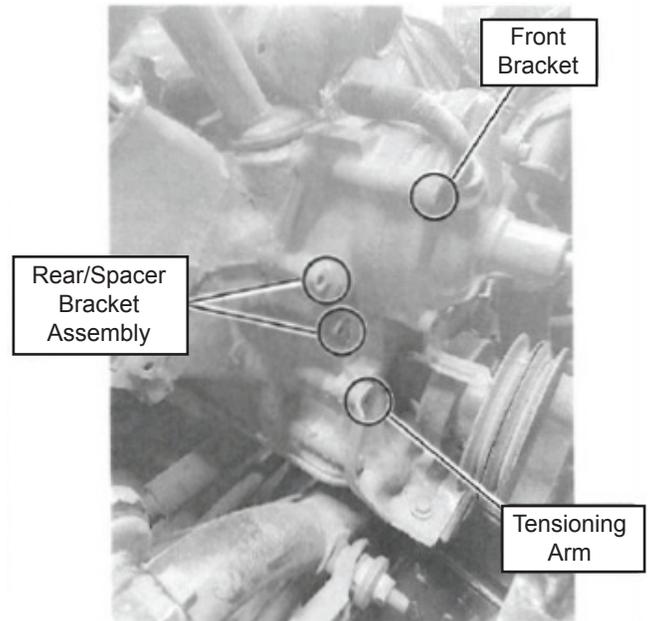


PHOTO #8

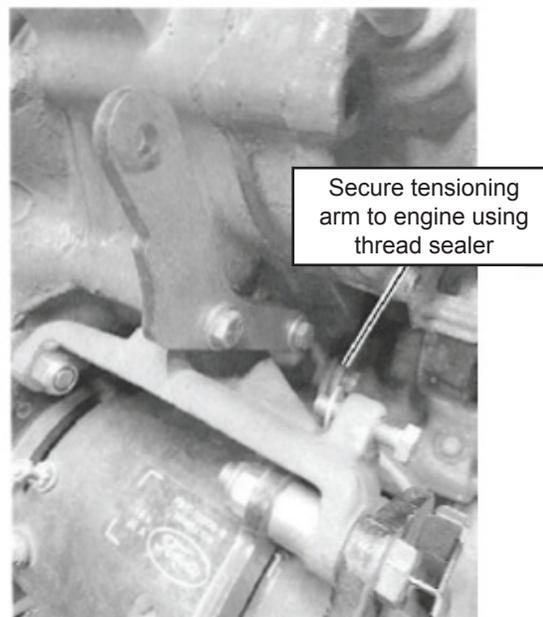


PHOTO #9

Compressor and Bracket Installation (continued)

10) Install front bracket onto 5/16-14 x 1-1/4" bolt in generator bracket and secure with 5/16" locknut. (Photo 10)

11) Apply thread sealer to 5/16-18 x 5-1/2" bolt, insert through front bracket and secure to engine as shown. (Photo 10)

12) Temporarily use 5/16"-18 x 4-1/2" bolt, 5/16" flat washer and .75-OD x .406-ID x 1.75" spacer to align front and rear bracket while tightening front and rear bracket bolts. (Photo 10)

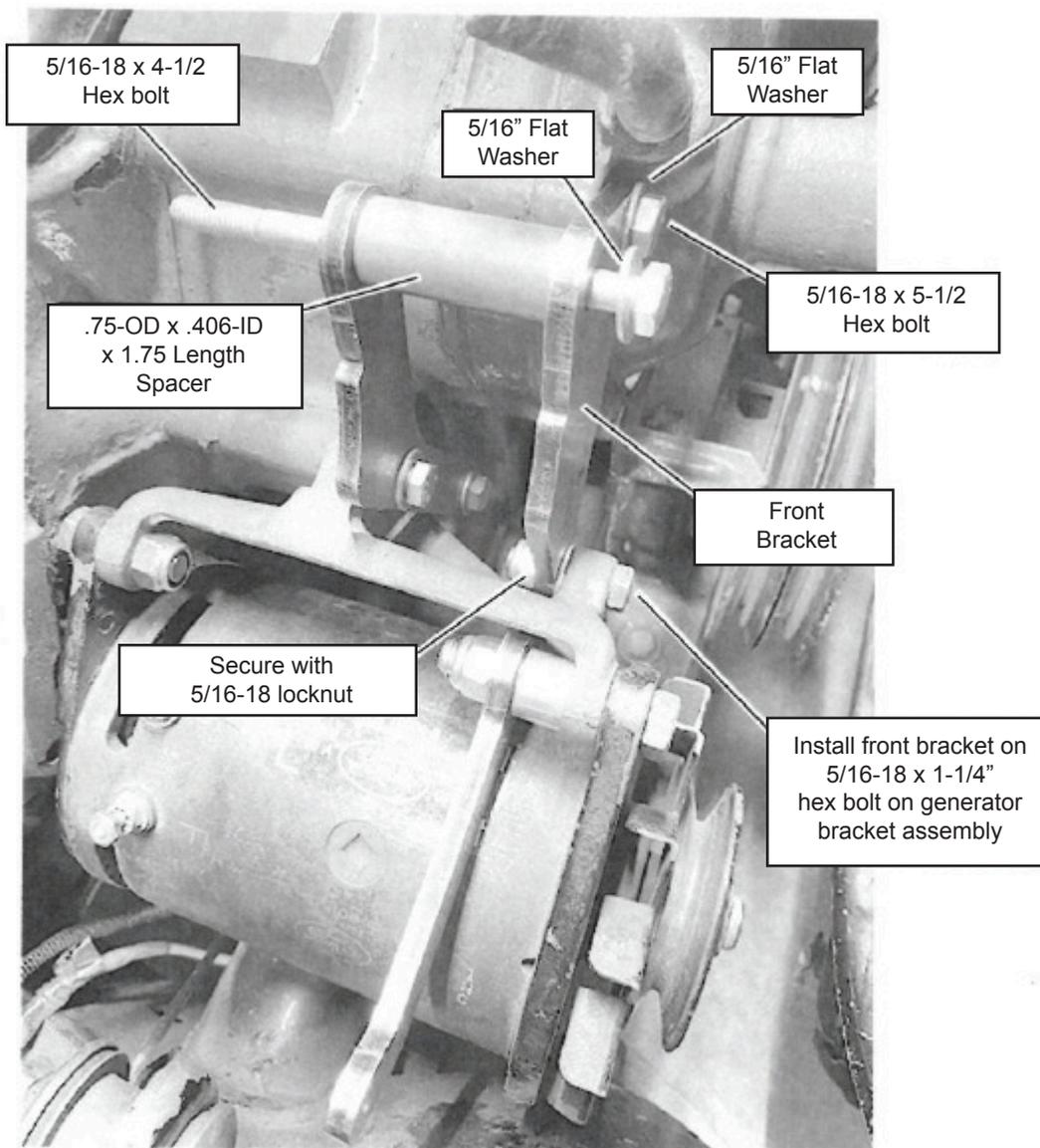


PHOTO #10

Compressor and Bracket Installation (continued)

13) Enlarge the holes in the front mounting tabs of the compressor with a 11/32" drill bit. (Photo 11)

14) Remove bolt temporarily installed in step 11.

15) Install compressor using 5/16-18 x 4-1/2 bolt, 5/16" flat washer .75 OD x .406 ID x 1.75 length spacer and 5/6" Locknut through upper mounting holes in bracket. (Photo 12)

16) Align compressor with lower bracket mounting holes and secure with 5/16" flat washer, 5/16-18 x 4-1/2 bolt, .75 OD x .406 ID x 1.75 length spacer and 5/16" Locknut. (Photo 13)

Note: Installing the 7B10 series compressor with this bracket will require using a 11/32 drill bit to enlarge the holes in the front 2 mounting tabs.



PHOTO #11

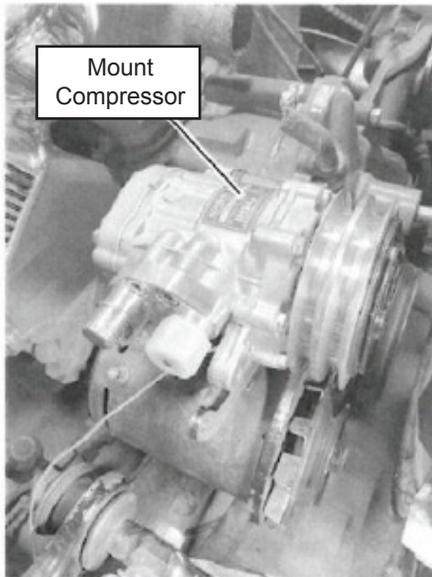


PHOTO #12

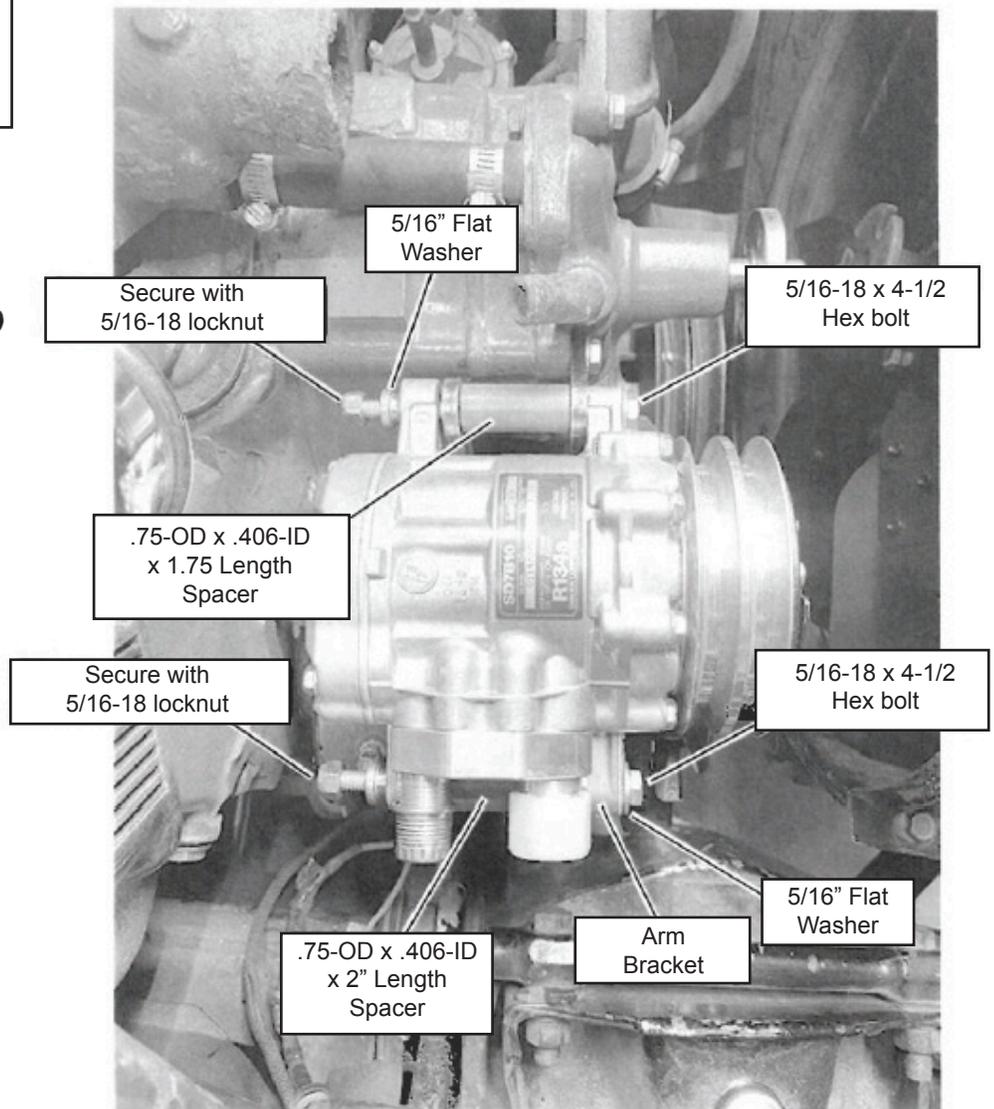


PHOTO #13

Compressor and Bracket Installation (continued)

17) Reinstall fan, pulley and power steering belt (if equipped).

18) Install compressor/generator belt and tension using generator, tighten both bolts on tensioning arm and both bolts on generator. (Photo 13)

19) Reconnect wire harness to generator.

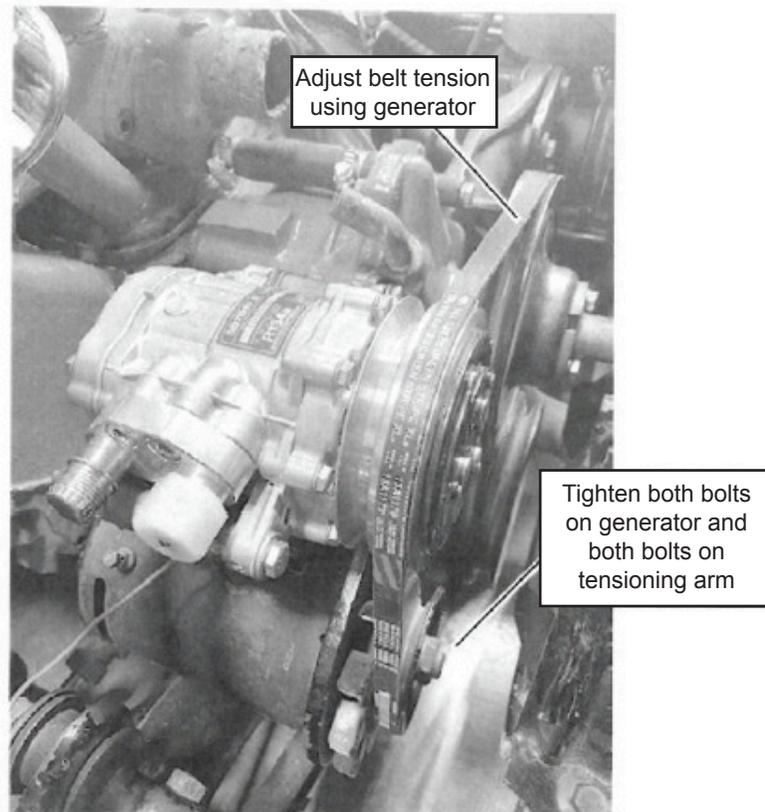
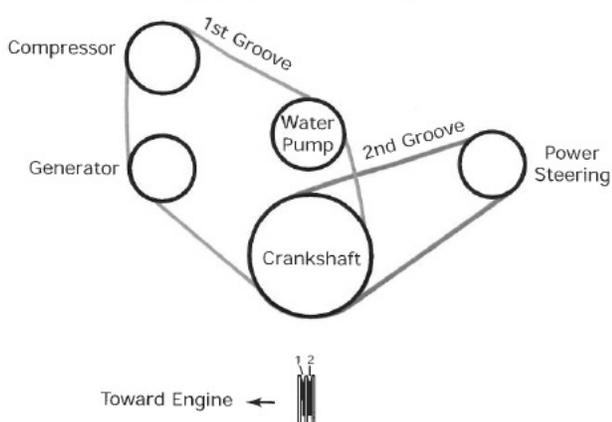


PHOTO #13

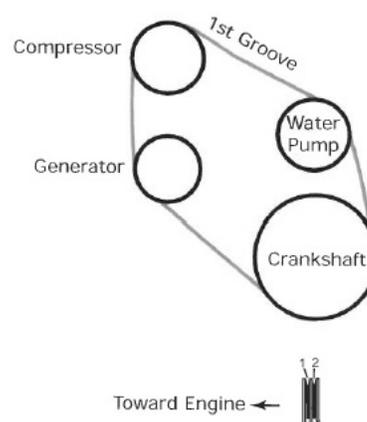
With Power Steering



Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump, Compressor & Generator
2. Crankshaft & Power Steering

Without Power Steering



Crankshaft Pulley Grooves:

1. Crankshaft, Water Pump, Compressor & Generator
2. Not Used