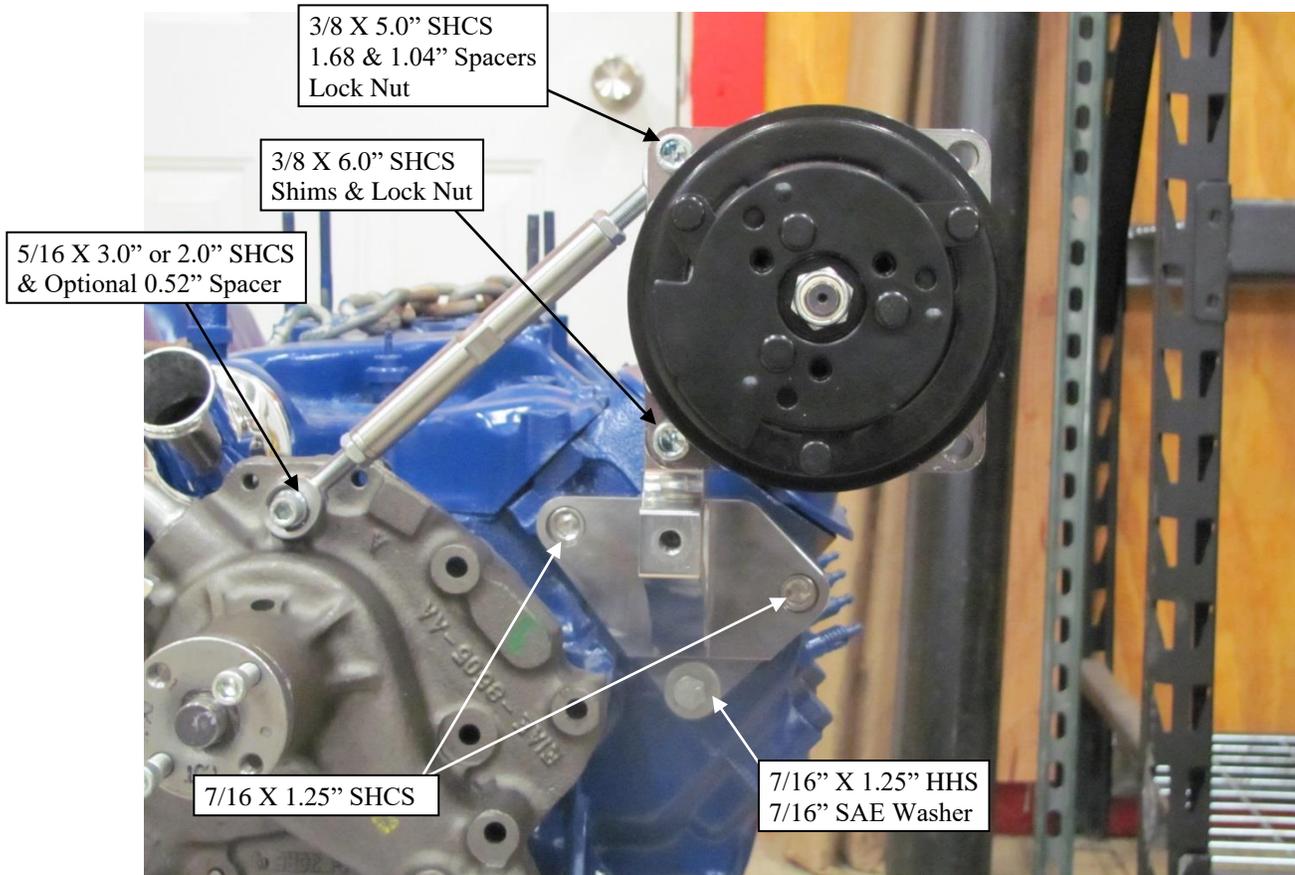


## 302-ACBRKT Instructions Rev E

Ford Small Block Air Conditioning Bracket Parts List			
Item	Description	Qty	Comments
1	5/16-18 X 3" SHCS	1	Adjusting Rod to Water Pump
1a	5/16-18 X 2" SHCS	1	Adjusting Rod to Water Pump (Some Pumps)
2	3/8-16 X 1.25" SHCS	3	Rear Bracket to Main Bracket
3	3/8-16 X 5" SHCS	1	Adjusting Rod to A/C Compressor
4	3/8-16 X 6" SHCS	1	A/C Compressor to Main Bracket
5	7/16-14 X 1.25" SHCS	2	Rear Bracket to Cylinder Head
6	7/16-14 X 1.25" HHS	1	Rear Bracket to Cylinder Head
7	3/8 Lock Nut	2	A/C Compressor Bolts
8	7/16" SAE Washer	1	Washer for Bracket to Cylinder Head
9	Adjust Rod - 5.5" length	1	Belt Tension Adjusting Rod
10	0.52" X .625" OD Spacer (6257722-052)	1	Optional spacer for Adjusting Rod to Water Pump Bolt
11	1.04" X .625" OD Spacer (6257722-104)	1	Spacer for A/C compressor Bolt
12	1.68" X 625 OD Spacer (6257722-168)	1	Spacer for A/C compressor Bolt
13	.200 Aluminum Spacer	2	Optional spacers for shimming A/C Compressor
14	A/C Compressor Bracket (302247)	1	Main Bracket
15	A/C Compressor Bracket (302247-R)	1	Bracket that Attaches to Top of Alternator
	Total Parts	<b>21</b>	10X8X2 BOX
Notes: SHCS = Socket Head Cap Screw			



Step 1: Remove water pump pulley and Power Steering bracket.

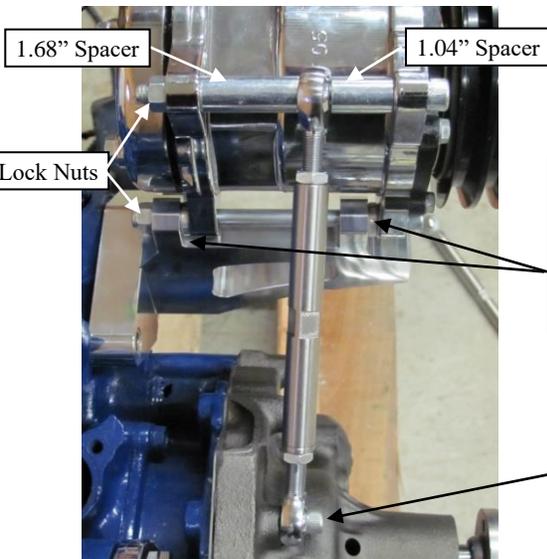
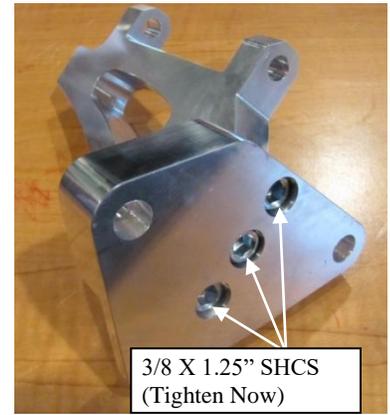
Step 2: Assemble Rear A/C Bracket to Main A/C Bracket with 3/8" X 1.25" SHCS. Torque all 3 bolts to 25-30 ft-lbs.

Step 3: Attach bracket assembly to cylinder head using two 7/16" X 1.25" SHCS. Torque to 40-45 ft-lbs.

Step 4: Attach Adjusting Rod to water pump using 5/16" X 3.0" SHCS or 2.5" SHCS or 2.0" SHCS with Optional 0.52" Spacer (There are different WP designs).

Step 5: Attach A/C Compressor to bracket using 3/8 X 6.0" SHCS and 3/8" Locknut. If you have water pump with driver's side lower radiator hose use the .200" spacers. If you have the passenger side lower radiator hose, you do not need the spacers.

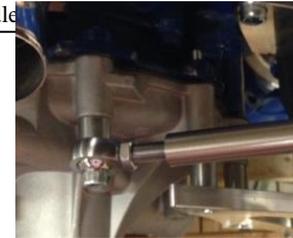
Step 6: Attach Adjusting Rod to A/C compressor using 3/8 X 5.0" SHCS, 1.68" spacer, 1.04" spacer and lock nut. Note: Some material removal may be required to get a good, snug fit on these spacers.



Spacers for Belt Alignment

- Use 0.20" spacers with Clockwise Pump with Driver side Lower Rad hose
- Use no spacers with Clockwise Pump with Pass side Lower Rad hose.
- Use no spacers with Reverse Rotation Pump with Serpentine System.
- Use 0.312" Spacers on Clockwise Rotation Water Pump with Serpentine System (0.312 Spacers Included in Idle)

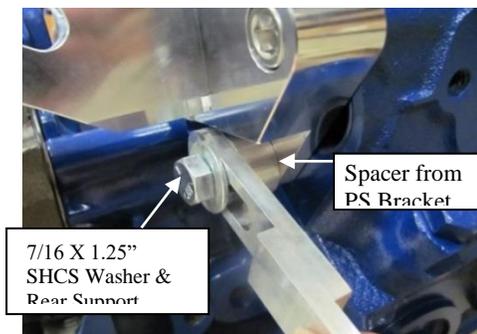
3.0" or 2.0" X 5/6" SHCS  
Optional Spacer



Optional 0.52" Spacer

Step 7: Re-Install Power Steering Bracket

CVF Racing Bracket: Attach Rear Support Bracket to cylinder head & A/C bracket using washer and 7/16 X 1.25" SHCS. Remove OEM Jam nut from pump and attach rear support bracket directly to housing using jam nut.



Step 7: Tighten all bolts except the ones that will need to move during belt tensioning. Install belt, set proper belt tension and tighten all remaining bolts. (Note: This kit is designed to be used with 3 groove water pump pulley. A/C belt will rub water pump if used with 2 groove water pump pulley)

If using CVF Racing Pulleys, use a Series 15 belt (15/32" wide at the top). To determine the proper length, cut your old belt and use it to measure. Most autoparts stores sell these belts in 1/2" increments.

Tech Tip: When putting the belt on the AC side of the system, the adjusting rod must be extended in order to get the belt on.

