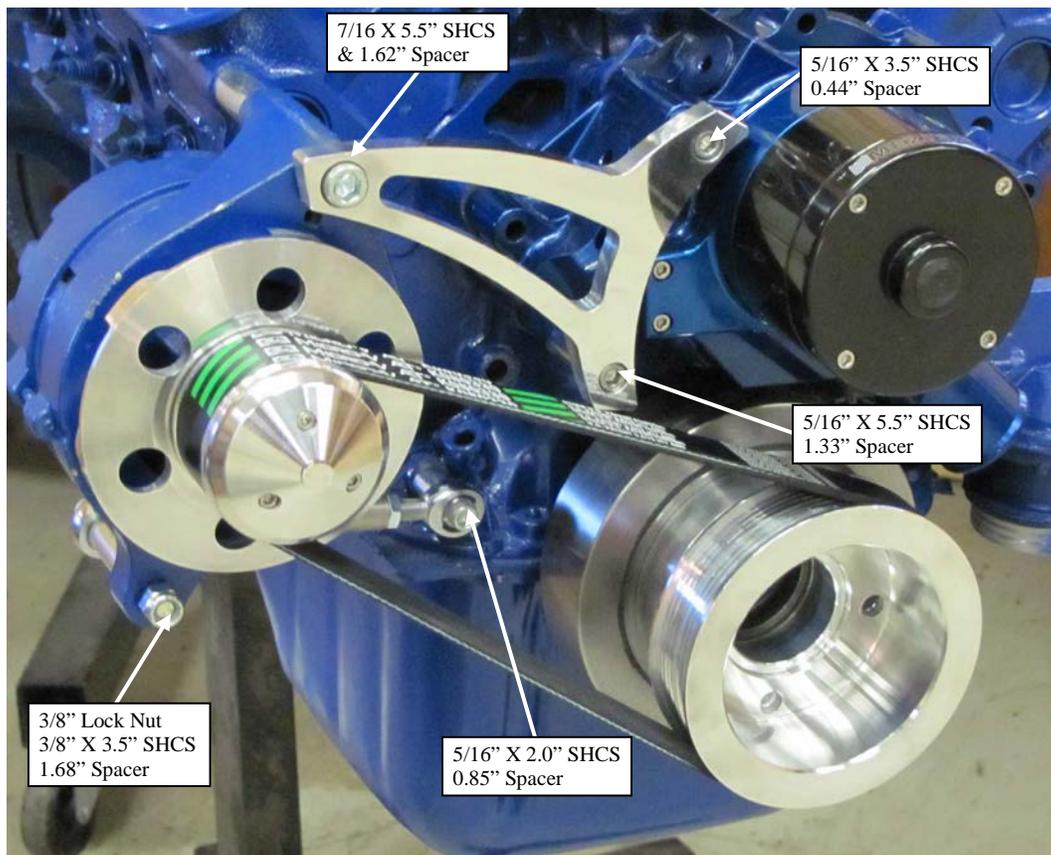


302-ALTBRKT-EWP-55 Instructions Rev B

Ford 289-302- Alternator Bracket – Electric Water Pump			
Item	Description	Qty	Comments
1	5/16-18 X 2.0" SHCS	1	Adjusting Rod to Timing Cover
2	5/16-18 X 3.5" SHCS	1	Main Bracket to Water Pump (Top Bolt)
3	5/16-18 X 5.5" SHCS	1	Main Bracket to Water Pump (Bottom Bolt)
4	3/8-18 X 3.5" SHCS	1	Adjusting Rod to Alternator
5	7/16-14 X 5.5" SHCS	1	Alternator to Cylinder Head
6	0.44" X .625" Dia Spacer	1	Spacer between Main Bracket and Water Pump (Top)
7	0.85 " X .625" Dia Spacer	1	Spacer between Adjusting Rod and Timing Cover
8	1.33 " X .625" Dia Spacer	1	Spacer between Main Bracket and Water Pump (Bottom)
9	1.68 " X .625" Dia Spacer	1	Spacer between Alternator and Adjusting Rod
10	1.62 " X .695" Dia Spacer	1	Spacer between Alternator and Cylinder Head
11	4.37" Adjusting Rod	1	Adjusting Rod
12	3/8-16 Lock Nut	1	Lock Nut For Adjusting Rod Bolt
13	P/N 289922	1	Bracket that Bolts to Front of water pump
	Total Parts	13	
Note: SHCS = Socket Head Cap Screw HHS = Hex Head Screw			



Step 1: Remove old alternator bracket.

Step 2: Attach Main Bracket to Water Pump using 5/16" X 5.5" SHCS and 5/16" X 3.5" SHCS. Use 0.44" Steel spacer between bracket and water pump on the top bolt. Use 1.33" spacer on bottom bolt.

Note: If 5.5" bolt bottoms out before tightening you may need to remove the water pump and clean the blind hole in engine block. If cleaning does not work, you may need to shorten the bolt by up to 1/4".

IMPORTANT: Do not tighten any bolts until the end.

Step 3: Attach Alternator to Cylinder Head and bracket using 7/16" X 5.5" SHCS and 1.62" Spacer

Step 4: Attach Adjusting Rod to alternator using 3/8" X 3.5" SHCS and 1.68" Spacer.

Step 5: Attach Adjusting Rod to timing chain cover using 5/16" X 2.0" SHCS and 0.85" spacer

Step 6: 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.

