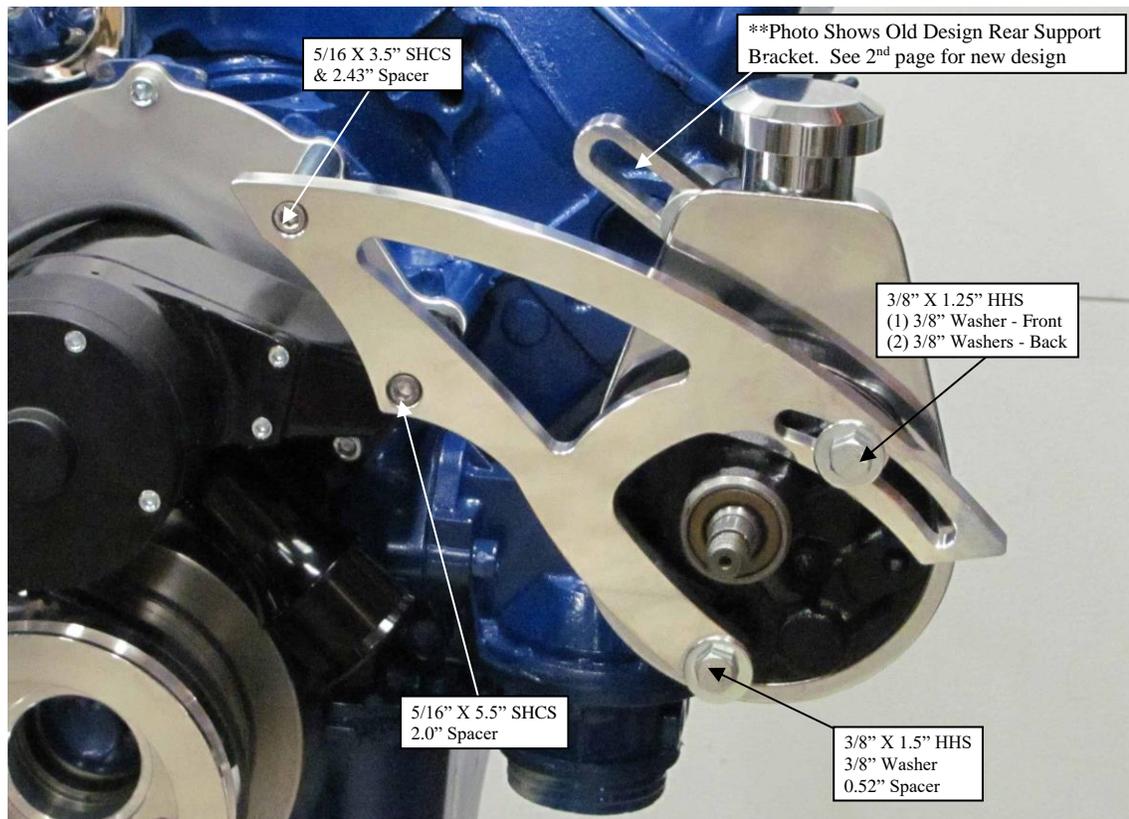


302-PSBRKT-EWP Instructions (Saginaw PS Pump) Rev D

Ford 289-302 Power Steering Bracket – Electric Water Pump

Item	Description	Qty	Comments
1	5/16-18 X 3.50" SHCS	1	Main Bracket to Water Pump (Top Bolt)
2	5/16-18 X 5.50" SHCS	1	Main Bracket to Water Pump (Bottom Bolt)
3	3/8-18 X 1.50" SHCS	1	Rear Support Bracket to Power Steering Pump
4	3/8-16 X 1.25" HHS	1	Bracket to Power Steering Pump (Top)
5	3/8-16 X 1.50" HHS	1	Bracket to Power Steering Pump (Bottom)
6	7/16-14 X 1.75" SHCS	1	Rear Support Bracket to Cylinder Head
7	3/8" USS Washer	5	Washer for mounting pump to Bracket (2) Washer between bolt and Rear Support Bracket (1)
8	7/16" SAE Washer	1	Washer between bolt and Rear Support Bracket (1)
9	0.75" X 1.0" Dia Aluminum Spacer	1	Spacer between Rear Support Bracket and PS Pump
10	1.00" X 1.0" Dia Aluminum Spacer	1	Spacer between Rear Support Bracket and Cylinder Head
11	0.52" X .625" Dia Spacer	1	Spacer between Main Bracket and Steering Pump
12	2.0" X .625" Dia Spacer	1	Spacer between Main Bracket and Water Pump (Bottom)
13	2.43" X .625" Dia Spacer	1	Spacer between Main Bracket and Water Pump (Top)
14	302 Rear Support Bracket (302777-2)	1	Bracket that Bolts to Back of PS Pump
15	Main Bracket (P/N 302977-E)	1	Bracket that Bolts to Front of PS Pump
	Total Parts	19	

Note: SHCS = Socket Head Cap Screw, HHS = Hex Head Screw



Step 1: Remove old power steering bracket.

Step 2: Attach Main Power Steering Bracket to Water Pump using 5/16" X 5.5" SHCS and 5/16" X 3.5" SHCS. Use 2.43" Steel spacer between bracket and water pump on the top bolt. Use 2.0" 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 power steering pump to main bracket using:

Top Bolt:

3/8" X 1.5" HHS

3/8" Washer under Bolt

3/8" Washers (2) between bracket and pump

Bottom Bolt:

3/8 X 1.25" HHS

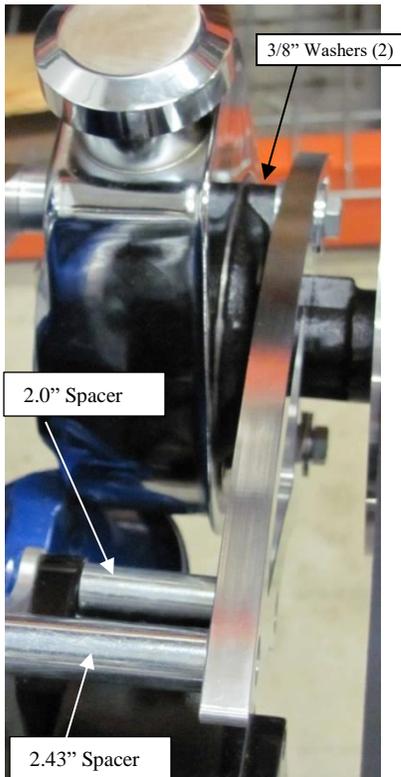
3/8" Washer under Bolt

0.52" Steel Spacer between bracket and pump.

Step 4: Attach rear support bracket to cylinder head using 7/16" X 1.75" SHCS with 1.0" Aluminum Spacer between bracket and cylinder Head.

Step 5: Attach rear support bracket to power steering pump using 3/8" X 1.5" SHCS, 3/8" Washer and 0.5" Aluminum Spacer between bracket and pump. (You will need to remove a threaded plug of stud from the back of most Saginaw Style Pumps)

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.



Pulley recommendations:

Use keyway power steering pulley part number PONT1PS and crank pulley part number SBFS2CR