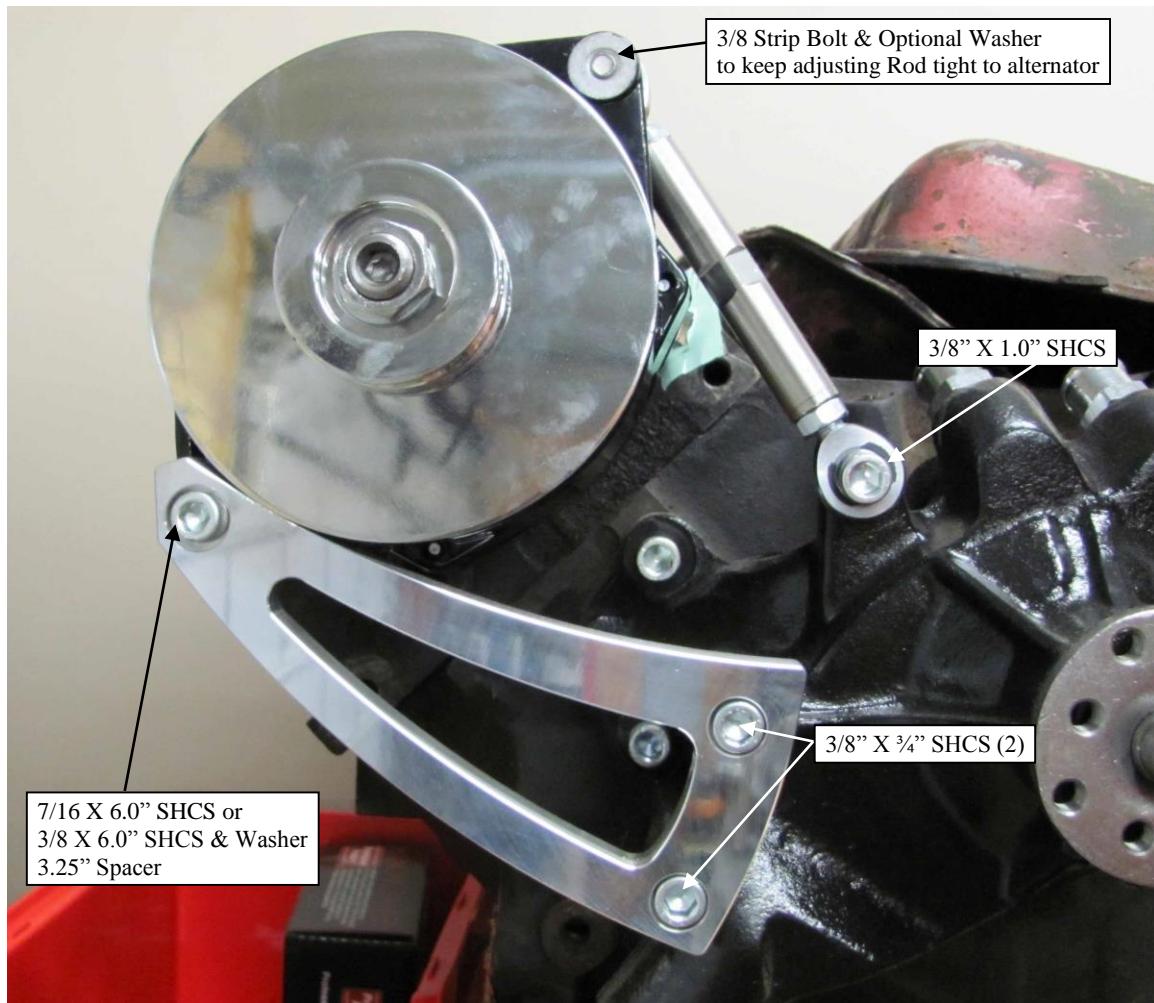


454-ALTBRKT Instructions Rev A

Chevy Big Block Alternator Bracket

| Item | Description | Qty | Comments |
|------|---------------------------------------|-----|---|
| 1 | 3/8-16 X 0.75" SHCS | 2 | Main Bracket to Water Pump |
| 2 | 3/8-16 X 1.00" SHCS | 1 | Adjusting Rod to Water Pump |
| 3 | 3/8-16 X 6.00" SHCS | 1 | Main Bolt to Cylinder Head (Early Heads) |
| 4 | 7/16-14 X 6.00" SHCS | 1 | Main Bolt to Cylinder Head (Late Model Heads) |
| 5 | 3/8" X 1/2" Strip Bolt – 5/16" Thread | 1 | Adjusting Rod to Alternator |
| 6 | 3/8" X 0.05" Special Washer | 1 | Washer for use with 3/8" Bolt on Early Heads |
| 7 | 3/8" USS Washer | 1 | Washer for removing slack on Strip Bolt |
| 8 | 3.250 " X .625" Dia Spacer | 1 | Spacer between Alternator and Cylinder Head |
| 9 | 2.50" Adjusting Rod | 1 | Stainless Steel Adjusting Rod |
| 10 | P/N 454522 – Main Bracket | 1 | Bracket that Bolts to Front of Water Pump |
| | Total Parts | 11 | |

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



Step 1: Remove old alternator bracket.

Step 2: Attach Bracket to Water Pump using 3/8 X 3/4" SHCS

IMPORTANT: Do not tighten any bolts until the end.

Step 3: Attach Alternator to Cylinder Head and Bracket using either 7/16" X 6.0" SHCS or 3/8" X 6.0" SHCS and washer: If using 7/16" Bolt you may need to drill out the spacer and alternator ear from 3/8" to 7/16". Place 3.25" spacer between alternator and cylinder head.

Step 4: Attach adjusting rod to water pump using 3/8" X 1.0" SHCS.

Step 5: Attach adjusting rod to alternator using 3/8" Strip bolt. You may need to use optional 3/8" washer to make sure that this joint is not loose after tightening the strip bolt.

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.

