



#22015 #22016 #22017 #22025 #22026

## Electric Water Pump Alternator and Power Steering Bracket Kit Chevy Small Block

### PARTS LIST

#### Alternator Bracket Parts PN 22025

- 1 - 22025-A..... Alt W/P Adaptor Body
- 1 - 22025-B..... W/P Spacer Body
- 1 - 20124-A..... Alt Front Bracket Body
- 1 - 20142-A..... Alt Relocator Bracket
- 1 - TP3-3.250..... Tube Spacers 3.250" Long
- 1 - RA-2.500..... Rod Assembly 2.500"
- 1 - S144.....  $\frac{5}{16}$  - 18 x  $\frac{7}{8}$ " SHCS
- 4 - S248.....  $\frac{3}{8}$  - 16 x 1" SHCS
- 4 - S252.....  $\frac{3}{8}$  - 16 x 1 $\frac{1}{2}$ " SHCS
- 1 - S282.....  $\frac{3}{8}$  - 16 x 6" SHCS
- 4 - P675..... W/P Gasket (Paper)

#### Power Steering Bracket Parts PN 22026

- 1 - 22026-A..... P/S W/P Adaptor Body
- 1 - 22026-B..... P/S Front Bracket Body
- 1 - 22026-C..... P/S Rear Lower Support Bracket
- 1 - 20176-A..... P/S Front Lower Support Bracket
- 1 - TP3-.150..... Spacers .150" Thick
- 2 - S244.....  $\frac{3}{8}$  - 16 x  $\frac{3}{4}$ " SHCS
- 1 - S248.....  $\frac{3}{8}$  - 16 x 1" SHCS
- 2 - S252.....  $\frac{3}{8}$  - 16 x 1 $\frac{1}{2}$ " SHCS
- 1 - S308.....  $\frac{3}{8}$  - 16 x  $\frac{1}{2}$ " Hex Head Bolt
- 2 - S311.....  $\frac{3}{8}$  - 16 x  $\frac{3}{4}$ " Hex Head Bolt
- 2 - S312.....  $\frac{3}{8}$  - 16 x 1" Hex Head Bolt
- 2 - S666.....  $\frac{3}{8}$ " Flat Washer

#### Pulleys Kits PN 6311-206 (for kit #22015)

- 1 - 6311-A..... Crank Pulley
- 1 - 206-A..... Alternator Pulley
- 1 - 306-A..... Alternator Pulley Cap
- 1 - 221-A..... Alt Fan
- 3 - S028.....  $\frac{8}{32}$  x 1" SHCS
- 3 - S292.....  $\frac{3}{8}$  - 24 x 1" SHCS
- 1 - S685..... Lock Washer

#### Pulleys Kits PN 6331-206 (for kits #22016 + #22017)

- 1 - 6331-A..... Crank Pulley
- 1 - 206-A..... Alternator Pulley
- 1 - 306-A..... Alternator Pulley Cap
- 1 - 221-A..... Alt Fan
- 3 - S028.....  $\frac{8}{32}$  x 1" SHCS
- 3 - S292.....  $\frac{3}{8}$  - 24 x 1" SHCS
- 1 - S685..... Lock Washer
- 1 - 616-A..... P/S Pulley (Keyway) (for kit #22016)
- 1 - 617-A..... P/S Pulley (Press Fit) (for kit #22017)

### KITS

#### Kit # 22025 Alternator Bracket Only

- 1 - 22025..... Alternator Bracket Assembly

#### Kit # 22026 Power Steering Bracket Only

- 1 - 22026..... Power Steering Bracket Assembly

#### Kit # 22015 Alternator Bracket / Pulley Kit

- 1 - 22025..... Alternator Bracket Assembly
- 1 - 6311-206..... Pulley Kit

#### Kit # 22016 Alternator Bracket / Power Steering (Keyed) / Pulley Kit

- 1 - 22025..... Alternator Bracket Assembly
- 1 - 22026..... Power Steering Bracket Assembly
- 1 - 6331-203..... Pulley Kit
- 1 - 616..... Power Steering Pulley (Keyed)

#### Kit # 22017 Alternator Bracket / Power Steering (Press Fit) / Pulley Kit

- 1 - 22025..... Alternator Bracket Assembly
- 1 - 22026..... Power Steering Bracket Assembly
- 1 - 6331-206..... Pulley Kit
- 1 - 617..... Power Steering Pulley (Press Fit)

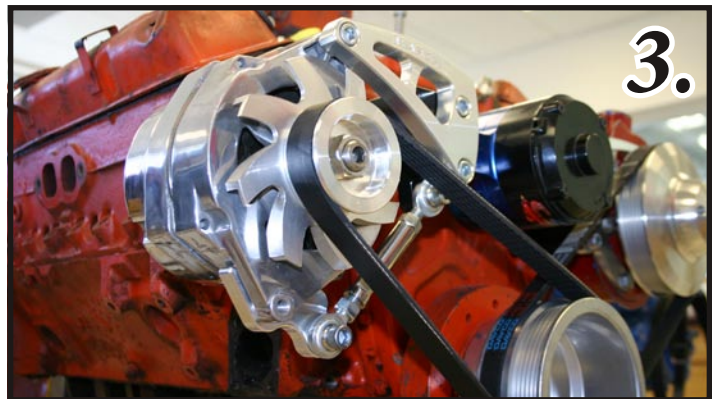


**Photo 1.** Ensure the sealing face of the coolant outlets are clean, flat and free of old gasket material. Using RTV Silicone Sealant and the supplied gaskets (P675) Mount Electric water pump to the block along with the Water Pump Adapter Brackets (22025-A & 22026-A) between the water pump and the block. Use (4)  $\frac{3}{8}$  - 16 x 1 $\frac{1}{2}$ " Socket Cap Screws (S252).

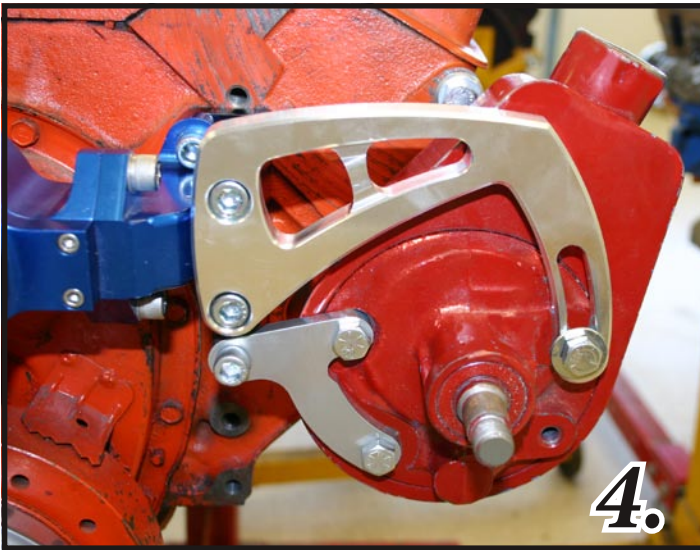
**(NOTE) For Alternator only kits use the Water pump Spacer (22025-B) in place of the power steering adapter.**



**Photo 2.** Mount the Front Alternator Bracket (20124-A) with (2)  $\frac{3}{8}$  - 16 x 1" Socket Caps Screws (S248). Install the alternator. Use (1)  $\frac{3}{8}$  - 16 x 6" Socket Caps Screw (S282) and (1)  $\frac{3}{4}$ " Spacer tube (TP3-3.250) between the Block and the Alternator bracket..

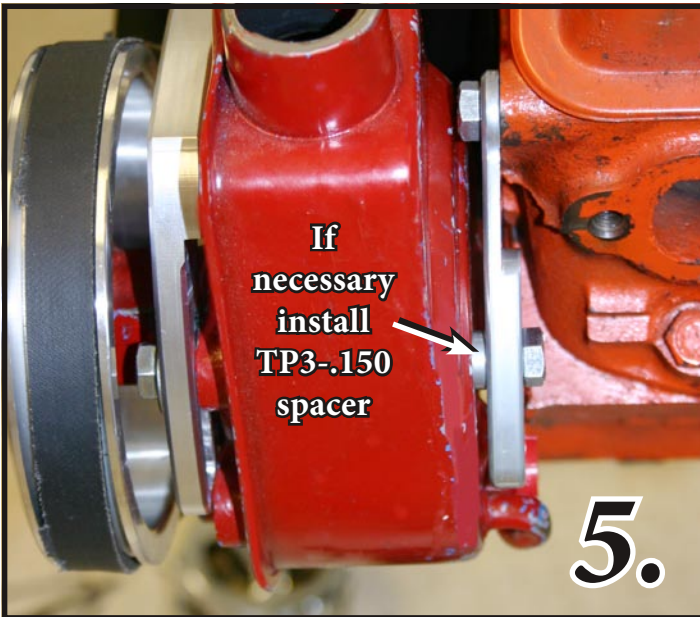


**Photo 3.** Install the Relocator Bracket to the Alternator (20142-A) using (1)  $\frac{5}{16}$  - 18 x  $\frac{7}{8}$ " Socket Caps Screw (S144). Install the Stainless Steel Adjustment Rod (RA-2.500) to the Relocation Bracket and lower bolt hole of the Alternator Adapter. Using (2)  $\frac{3}{8}$  - 16 x 1" Socket Caps Screws (S248).



**Photo 4.** Install The Front Power Steering Bracket (22026-B) to the adapter bracket using (2)  $\frac{3}{8}$  - 16 x  $\frac{3}{4}$ " Socket Caps Screws (S244).

Install the Lower Support Bracket to the power steering pump (20176-A) with (2)  $\frac{3}{8}$  - 16 x  $\frac{3}{4}$ " Hex Head Bolts (S311).



**Photo 5.** Install the Rear Support Bracket (22026-C) to the outer head bolt using (1)  $\frac{3}{8}$  - 16 x  $\frac{1}{2}$ " Hex Head Bolt (S308)

**Note: the thin side mounts to the head.**

Install the pump. In the adjustment slot use a  $\frac{3}{8}$  - 16 x 1" Hex Head Bolt (S312) and (1)  $\frac{3}{8}$ " I.D. washer (S666) On the rear of the pump thru the slot, install the other  $\frac{3}{8}$  - 16 x 1" Hex Head Bolt and a  $\frac{3}{8}$ " I.D washer.

Install a  $\frac{3}{8}$  - 16 x 1" Socket Cap Screws (S248) to the lower  $\frac{3}{8}$ " tapped hole of the adapter bracket to hang the pump as shown on **Photo 4**.

**NOTE: Due to different power steering pump casings it may be necessary to use the provided .150 Spacer between the Power Steering Pump and Rear bracket. (TP3-.150) See Figure 5.**



**Photo 6.** Apply Loc-Tite to the threads of Three  $\frac{3}{8}$  - 24 x 1" Fine Threaded Socket Cap Screws (S292) and install crank pulley (6331-A) for power steering kits or (6311-A) for Non power steering kits.

Install Billet Alternator Fan (221-A) and Alternator Pulley (206-A) to Alternator. Secure Pulley and fan with (1)  $\frac{13}{16}$ " Nut , and (1) Lock Washer (S685) We recommend an air impact gun for installation. Install Alternator Pulley Cover (306-A) with (3)  $\frac{8}{32}$  x 1" (SO28) Socket Cap Screws.

Install Power Steering Pulley, if keyed, use (616-A), slip on and use the retainer nut. If Press fit, use (617-A) installing with a proper power steering tool .

Install Power Steering Belt and adjust to proper tension, and secure all mounting bolts. Install Alternator belt and use the adjustment rod to get proper belt tension, secure all alternator bracket bolts

**Alternator Belt.....5060340 (34")**

**Power Steering Belt..... 5050390 (39" 5 rib).**

Check and tighten all bracket bolts and alternator and A/C lower mounting bolts, turn engine over once by hand to check for any belt rubbing and proper belt alignment. Run engine three minutes and check belt tension again.