

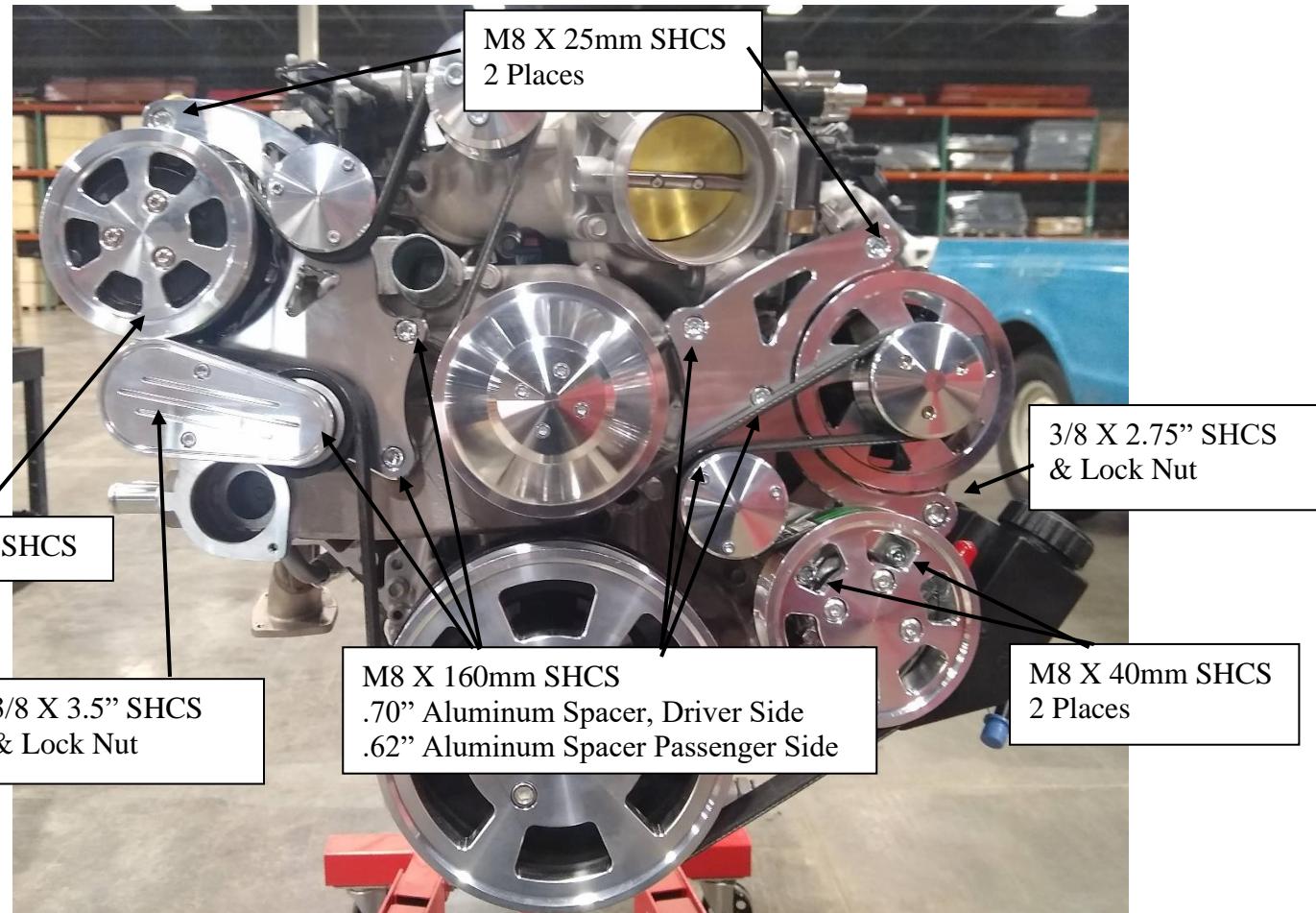
LT4M-BRACKET-KIT-WR Instructions Rev D

LT4 MID-MOUNT BRACKET KIT

LT4 Mid Mount Bracket Parts List

| Item | Description | Qty | Comments |
|------|------------------------|-----|---|
| 1 | 3/8-16 X 2.75" SHCS | 1 | Bottom Alternator Bolt |
| 2 | 3/8-16 X 3.5" SHCS | 1 | Tensioner Assembly Bolt |
| 3 | 3/8-16 X .468 Lock Nut | 4 | Lock Nut for Tensioner Assembly, Bottom Alternator Bolt, and SERP-IDLER Bolts |
| 4 | M8-1.25 X 25mm | 3 | Top AC Compressor Bolt Top Alternator Bolt |
| 5 | M8-1.25 X 40mm | 2 | Bolts for Power Steering Pump (if used) |
| 6 | M8-1.25 X 160mm | 6 | Bracket to Water Pump Bolts |
| 7 | 6257722-070 Spacer | 3 | .70" Spacers between Bracket and Water Pump |
| 8 | 6257722-062 Spacer | 3 | .62" Spacers between Bracket and Water Pump |
| 9 | 3/8-16 X 2.5 HHS | 2 | Bolt for SERP-IDLER |
| 10 | 3/8 SAE Washer | 2 | Washer for SERP-IDLER Bolt |
| 11 | P/N 57222 | 1 | Alternator and Power Steering Bracket |
| 12 | P/N 584247 | 1 | AC Compressor Bracket |
| | Total Parts | 29 | 13X10X2 BOX |

Notes: SHCS = Socket Head Cap Screw & BHCS = Button Head Cap Screw & HHS= Hex Head Screw



Step 1: Remove old brackets, pulleys and water pump (if applicable)

Step 2: Apply RTV Blue or similar gasket sealer to both sides of the water pump gaskets and install the water pump using only three 160mm bolts on the passenger side. These bolts are temporarily installed and will hold the water pump in place while you install the driver's side bracket.

Step 3: Attach Driver Bracket using three (3) 160mm bolts and three (3) .70" Steel Spacers. Hand tighten only.

Step 4: Remove the three (3) 160mm bolts from the passenger side.

Step 5: Attach Passenger Bracket using three (3) 160mm bolts and three (3) .62" Steel Spacers. Hand tighten only.

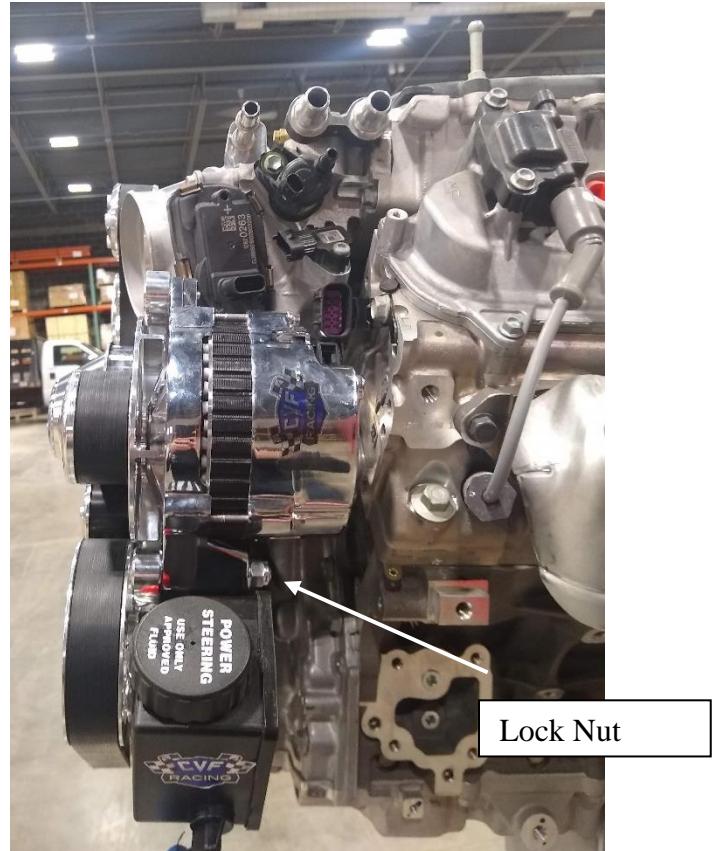
Step 6: Tighten all six 160mm bolts in an alternating pattern. While tightening the first couple bolts lightly pull up on the pump to ensure clearance of the balancer. Tighten to 36 ft-lbs (48.8N-m)

Step 7: Install Alternator using M8 X 25mm SHCS bolt on top and 3/8 X 2.75" SHCS bolt on bottom with a 3/8" Lock Nut. See torque specs on last page of instructions.

Tech Tip: If side post of alternator is not in a desired location, you can carefully unbolt the back housing of the alternator and rotate to a preferred location. DO NOT REMOVE the back housing completely or you will have to re-install the bushings.

Step 8: Install compressor with fittings facing up. Use two M8 X 25mm SHCS. Tighten to 36 ft-lbs (48.8N-m). See AC Delete Instructions if not running AC (Also included on page 4 of these instructions)

Step 9: Install Gates spring loaded tensioner pulley using 3.5" Socket Head Cap Screw and 3/8" Lock Nut.



Step 10: **OEM BALANCERS ONLY**

Remove the center nut on your balancer.

Tech Tip: Use an impact wrench to remove the center nut on the balancer. Also, you can rent balancer removal tools at your local part's store.

Install the proper hub spacer for your balancer using the nut and washer that is included in the hub spacer. Check to make sure that the hub spacer is seated properly on the balancer. If it is not centered properly, the crank pulley will wobble.

Tech Tip: Remove rust and excess paint from your balancer to ensure that the hub spacer seats properly on your balancer.

Install crank pulley to the hub spacer using the bolts that are included with the pulley.

Step 11: Install the remaining pulleys and pulley covers with the bolts that are in each box.

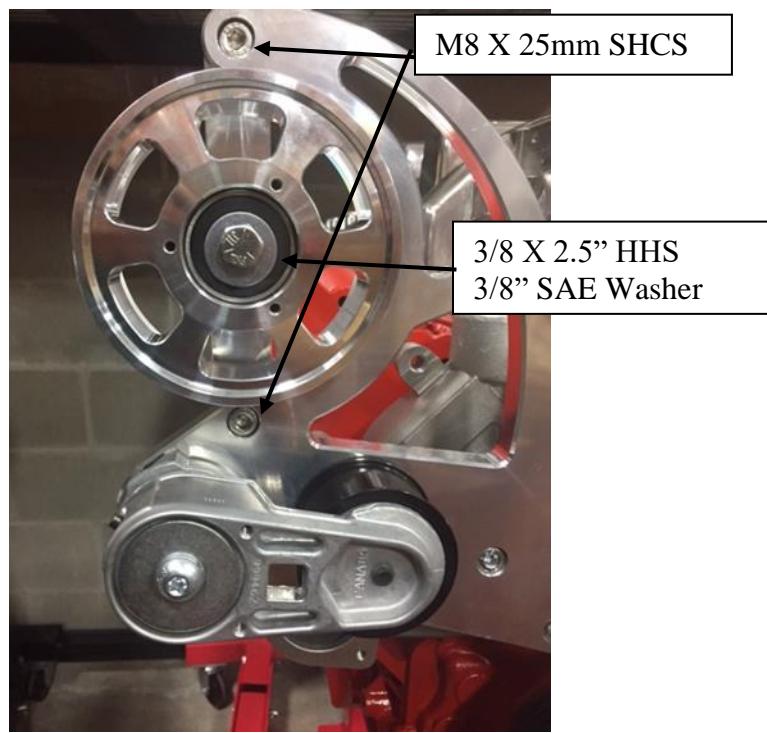
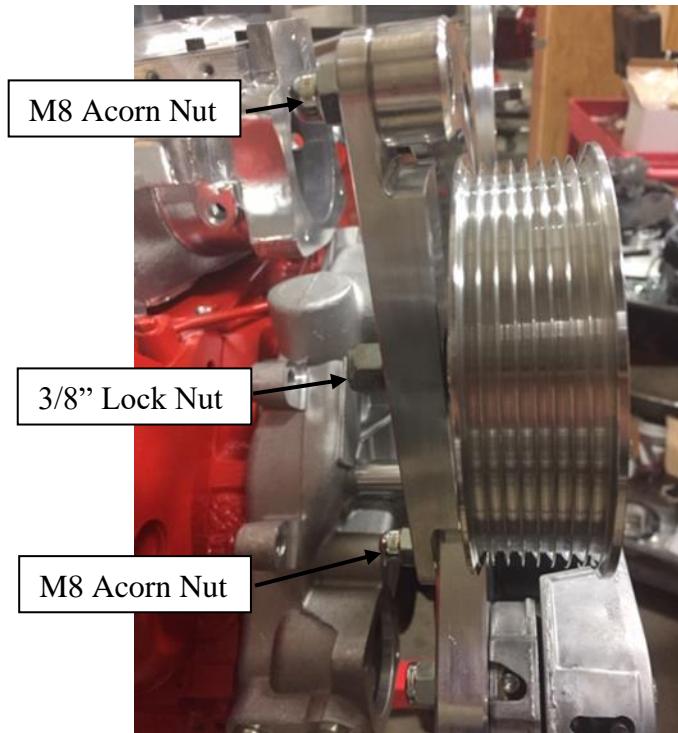
Step 12: Use a 1/2" ratchet to apply tension to the tensioner pulley and install the belt as shown.

Step 13: Install the idler tensioner cover using the two #10 X 0.5" SHCS.

Step 14: Install and plumb the remote reservoir. (The fittings on the bottom of the reservoir are 3/8" NPT)

Tech Tip: After initial start-up, you will need to bleed air from your power steering system. To do this, you want to put the front of the car on jack stands and steer into the left stops and then into the right stops repeatedly. Check fluid level frequently and add as needed.

Optional AC Delete Bracket & Idler Pulley
(See detailed instructions in box for Idler Delete)



Belt Routing with and without Power Steering



Torques Specs:

#8 Socket Cap Screw: 30 in-lbs (3.4 N-m)
#10 Socket Cap Screw: 65 in-lbs (7.3 N-m)
M8 Socket Cap Screw: 36 ft-lbs (48.8 N-m)
1/4-20 Button Head Screw: 16 ft-lbs (21.7 N-m)
5/16-18 Socket Cap Screw (Fine): 38 ft-lbs (51.5 N-m)
5/16-24 Socket Cap Screw (Coarse): 34 ft-lbs (46.1 N-m)
3/8-16 Socket Cap Screw: 41 ft-lbs (82.7 N-m)
3/8-16 Button Head Screw: 30 ft-lbs (40.7 N-m)