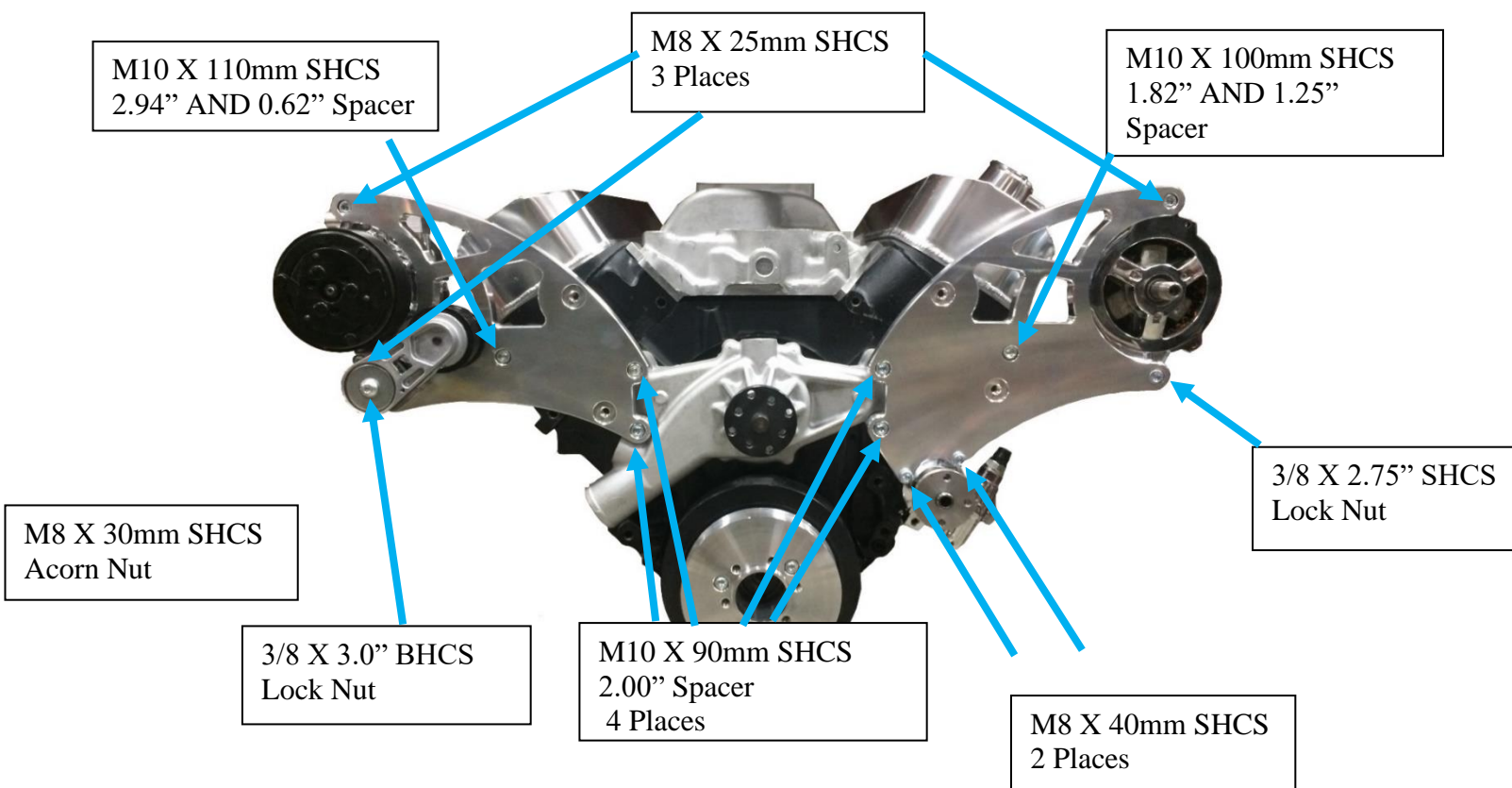


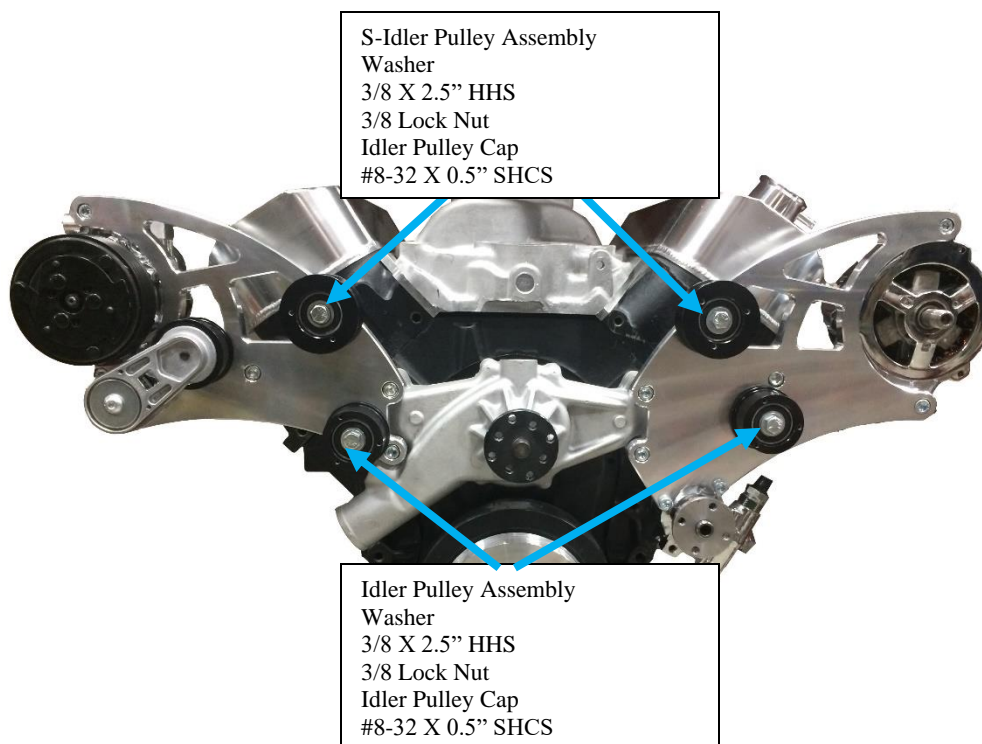
L18-BRKT-KIT-WR Instructions Rev A

Chevy 8.1L (L18) Wraptor Bracket Kit

Item	Description	Qty	Comments
1	3/8-16 X 2.75" SHCS	1	Bottom Alternator Bolt
2	3/8-16 X 3.0" BHCS	1	Idler Assembly Bolt
3	3/8-16 X .468 Lock Nut	6	Lock Nut for Tensioner Assembly, Idler Assembly's & Bottom Alternator Bolt
4	3/8-16 X 2.5" HHS	4	Idler to Bracket Bolt
5	3/8" SAE Washer	4	Washer Between Idler Pulley Assembly & Bolt
6	M8-1.25 X 25mm	3	Compressor Bolts Top Alternator Bolt
8	M8-1.25 X 40mm	2	Bolts for Power Steering Pump (if used)
9	M10 X 90mm SHCS	4	Bracket to Water Pump Bolts
11	6257722-200 Spacer	4	2.00" Spacers Btwn Bracket and Water Pump
12	6257722-294	1	2.94" Spacer Btwn Bracket and Passenger Side Cylinder head
13	6257722-062	1	0.62" Spacer Btwn Bracket and Passenger Side Cylinder head
14	6257722-125	1	1.25" Spacer Btwn Bracket and Driver Side Cylinder Head
15	6257722-182	1	1.82" Spacer Btwn Bracket and Driver Side Cylinder Head
16	M10 X 100mm SHCS	1	Bracket to Driver Side Cylinder Head
17	M10 X 110mm SHCS	1	Bracket to Passenger Side Cylinder Head
18	45422-SC	1	Alternator/Power Steering Bracket
19	454247-SC	1	Compressor Bracket
	Total Parts	37	

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





Step1: 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.

Step 3: Attach Alternator bracket using two (2) M10 X 90mm bolts with two (2) 2.00" spacer to water pump and one (1) M10 X 100mm bolt with one (1) 1.82" spacer and one (1) 1.25" spacer to cylinder head. Attach Compressor bracket using two (2) M10 X 90mm bolts with two (2) 2.00" spacer to water pump and one (1) M10 X 110mm bolt with one (1) 2.94" spacer and one (1) 0.62" spacer. Tighten these bolts in alternating pattern to 36 ft-lbs (48.8N-m)

Step 4: Install Alternator using M8 X 25mm SHCS on top bolt and 3/8 X 2.75" SHCS on bottom bolt with 3/8" Lock Nut. See torque specs below

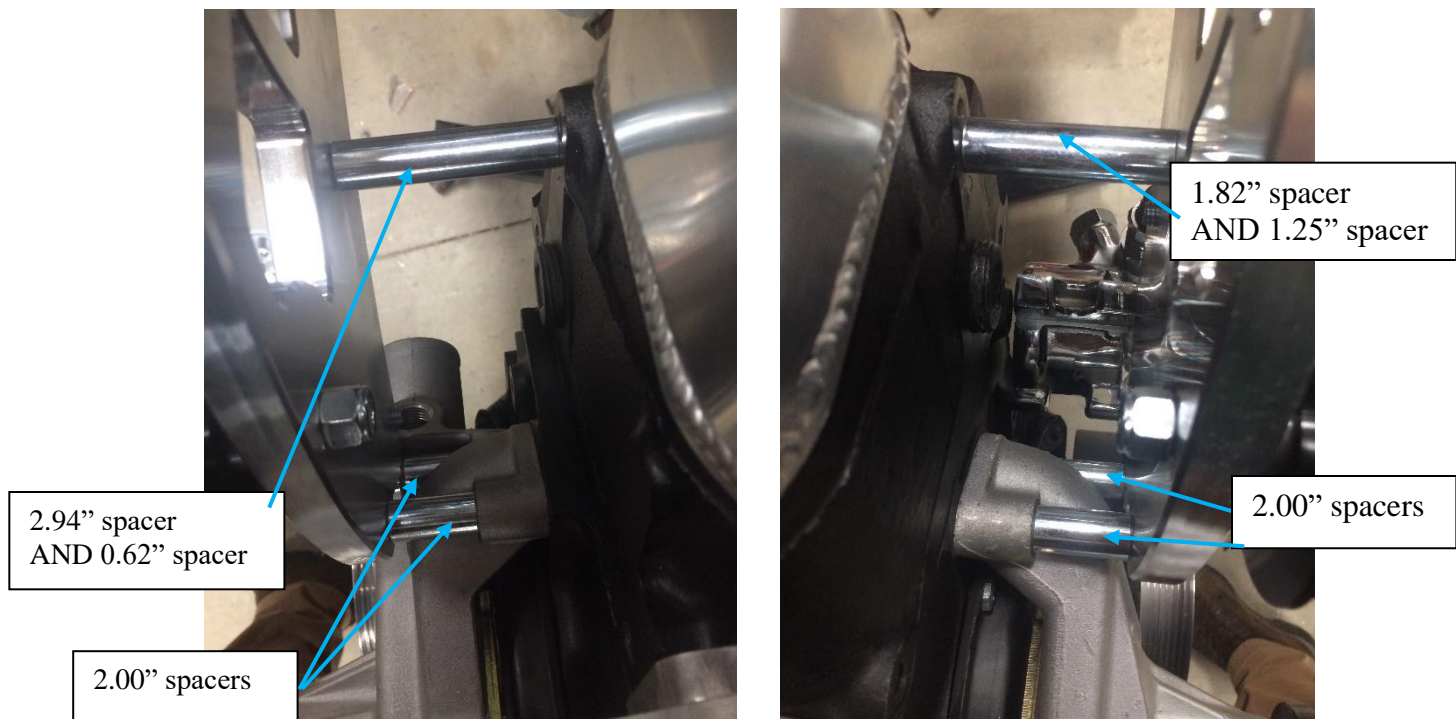
Tech Tip: If side post of alternator is not in a desired location, you can carefully unbolt the back housing of the alternator and rotate to a preferred location. DO NOT REMOVE the back housing completely or you will have to re-install the bushings.

Step 5: 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 6: Install Gates spring loaded idler pulley using 3.0" Button Head Cap Screw and 3/8" Lock Nut

Step 7: Install the remaining pulleys and pulley covers with the bolts that are in each box



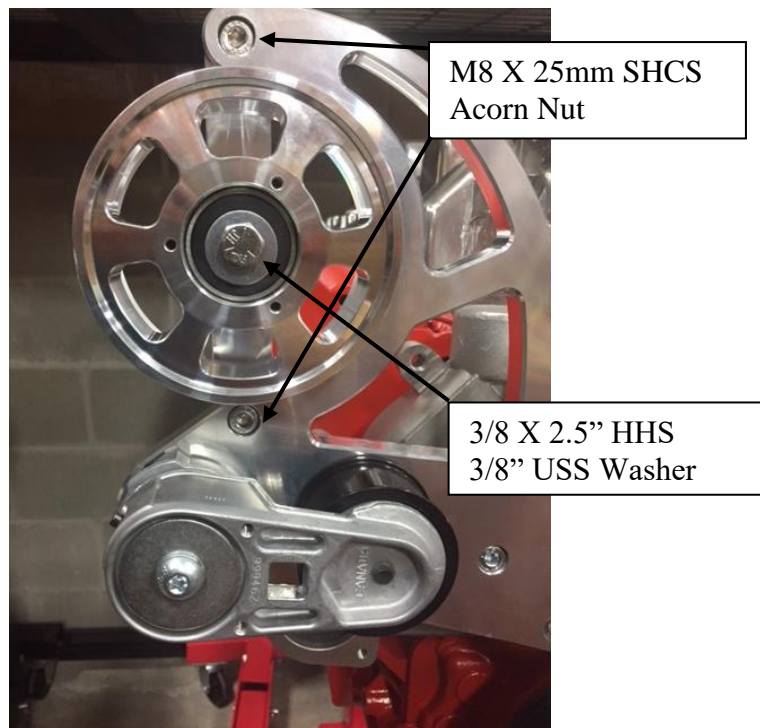
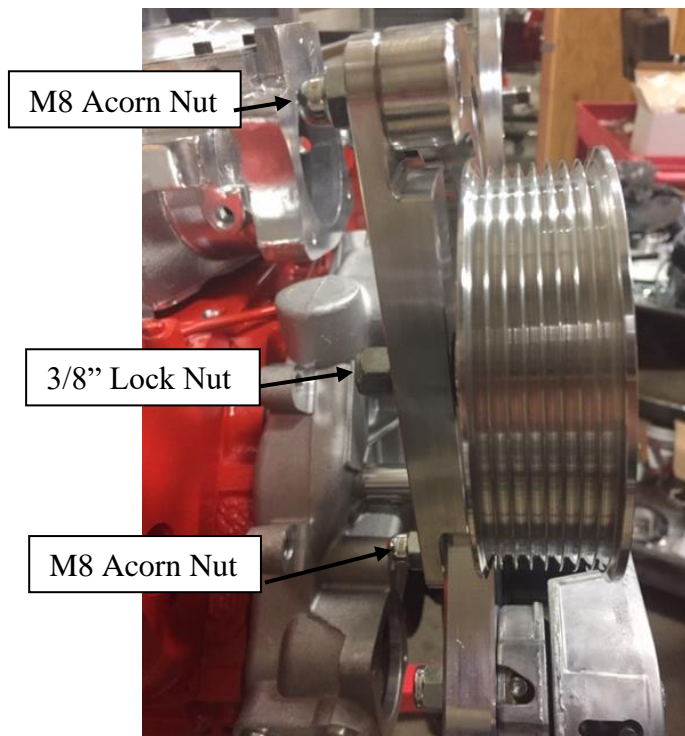
Step 8: Use a 1/2" ratchet to apply tension to the idler pulley and install the belt as shown.

Step 9: Install the idler tensioner cover using the two #10 X 0.5" SHCS

Step 10: 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: 61 ft-lbs (82.7 N-m)
3/8-16 Button Head Screw: 30 ft-lbs (40.7 N-m)

Tech Tip: Installing belt- In some cases when installing the belt, the belt can be too tight to fit over the pulley. If you remove the alternator pulley cap and the nut that holds the pulley onto the alternator, place belt around alternator pulley as shown in the pictures below. Release tension on the tensioner and slide alternator pulley onto the shaft of the alternator. Install alternator nut and alternator pulley cap. This is also possible by removing the Power Steering pulley as shown below

