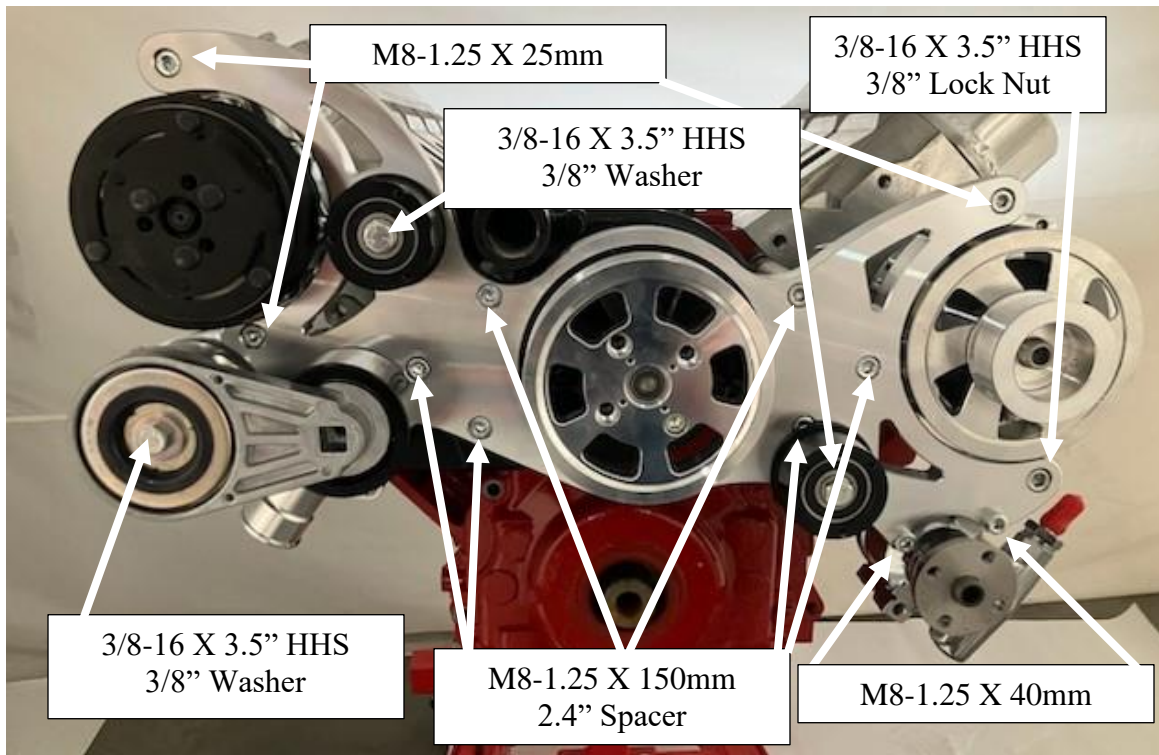


LSA-BRACKET-KIT-WR Instructions Rev G

LSA 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 BHCS	1	Idler Assembly Bolt
3	3/8 SAE Washer	2	Washer between Idler Pulley and Bolt
4	3/8-16 X 2.5 HHS	2	Idler to Bracket Bolt
5	3/8-16 Lock Nut	1	Lower Alternator Bolt
6	M8-1.25 X 25mm	3	Compressor Bolts Top Alternator Bolt
7	M8-1.25 X 40mm	2	Bolts for Power Steering Pump (if used)
8	M8-1.25 X 150mm	6	Bracket to Water Pump Bolts
9	7507722-240 Spacer	6	2.400" Spacers Between Bracket and Water Pump
Total Parts		24	

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

Note: LSA Bracket Instructions are also for LS9, Whipple, Magnuson, and Edelbrock Superchargers.





Step 1: Install all six M8 x 150mm bolts through the bracket, 2.4" spacers, water pump and water pump gaskets.



Step 2: Lift your bracket, spacer, water pump, and gasket sandwich, and install on the engine.



Step 3: Torque all six M8 x 150mm bolts to 36 ft-lbs in a crossing pattern.

Step 4: Attach alternator, power steering pump, A/C compressor, tensioner, and idler pulleys. (Bolt sizes and locations on page 1)

Step 5: Install supercharger hub and pulley. (LSA and LS9 hub installation requires the snout to be removed from the blower. Then pressed on with a hydraulic press where the rear of the blower shaft can be supported. Press the hub on until it bottoms out.)

Step 6: Remove V-belt pulley and fan from alternator. Then install new alternator fan, pulley, and power steering pulley.

Step 7: Install crank pulley hub adapter and crank pulley (Mounting hardware is packaged with the hub adapter.)

OEM BALANCERS ONLY

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.

Step 8: Install the belt. (See belt routing in the photos on page 4)

Step 9: Install all the covers for pulleys and tensioners.

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)

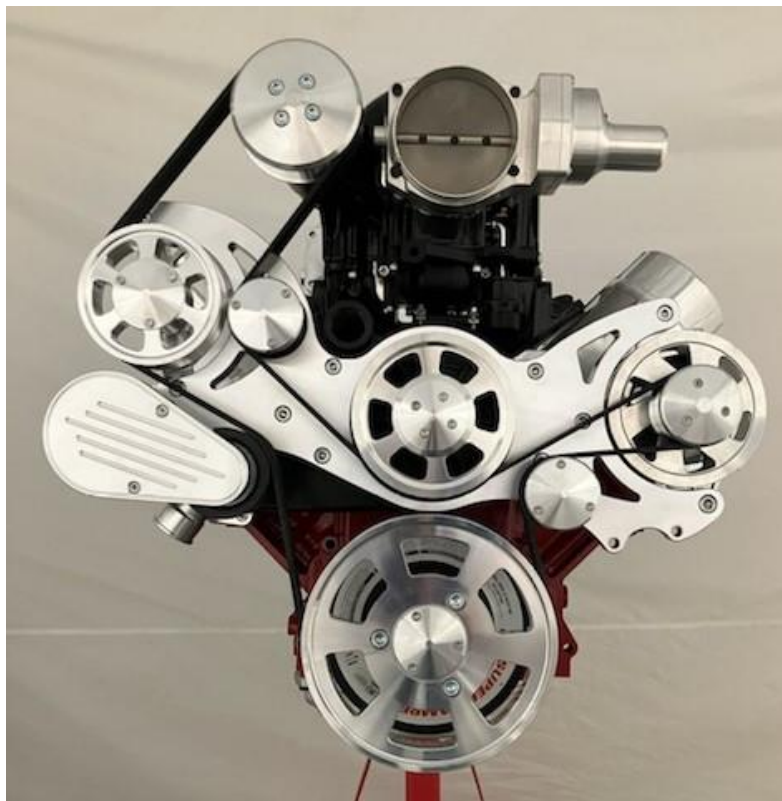
3/8-16 Button Head Screw: 30 ft-lbs (40.7 N-m)

Power Steering Bleeding Procedure: 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, with the engine OFF. Check fluid level frequently and add as needed. Continue this process until no air bubbles are present.

Belt routing for AC and PS Applications



Belt Routing for ACO and ALT Applications



Tech Tip: 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 or idler pulley as shown below.

