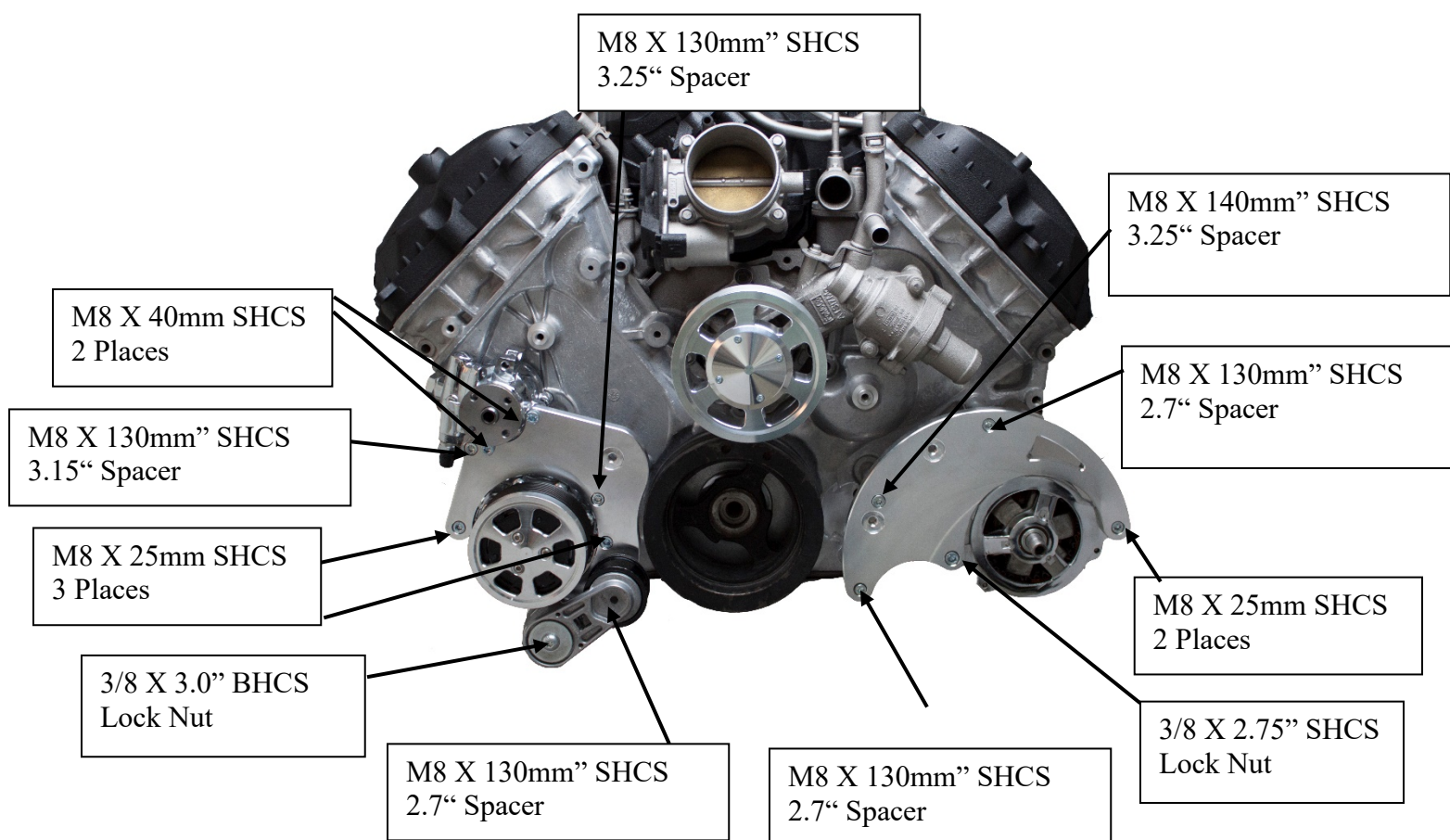


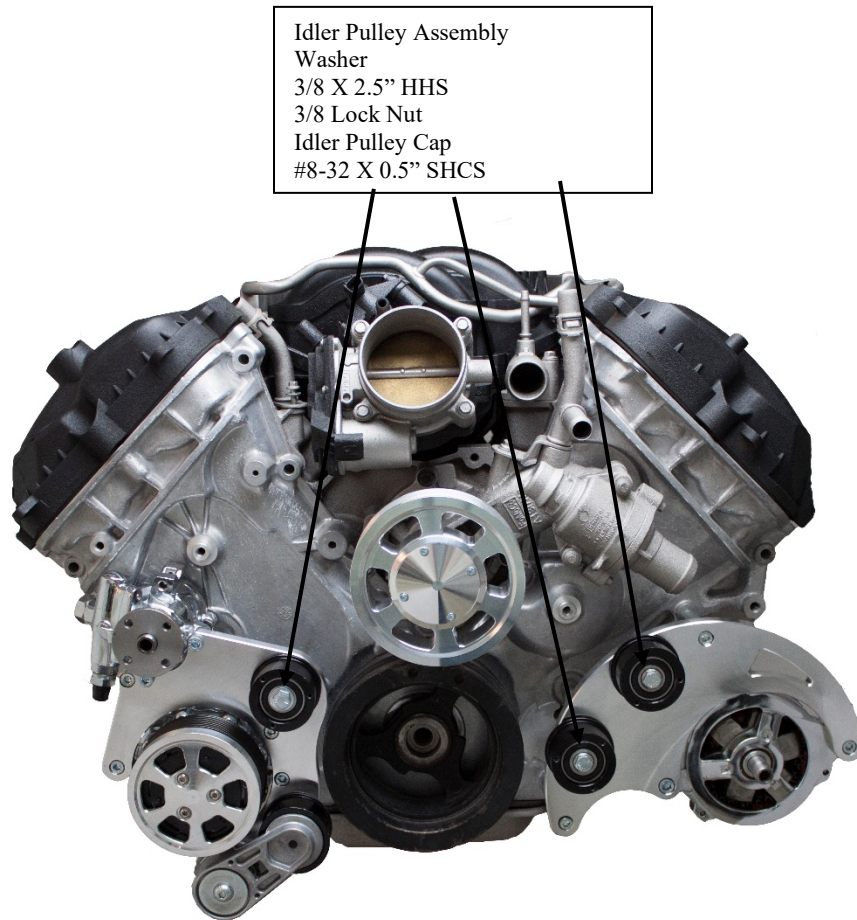
# FC5-BRACKET-KIT-WR Instructions Rev A

## Ford Coyote 5.0 Bracket Parts List

Item	Description	Qty	Comments
1	3/8-16 X 2.75" SHCS	1	Bottom Alternator Bolt
2	3/8-16 X 3.0" BHCS	1	Idler Assembly Bolt
3	3/8-16 X .468 Lock Nut	5	Lock Nut for Tensioner Assembly, Idler Assembly's & Bottom Alternator Bolt
4	3/8-16 X 2.5" HHS	3	Idler to Bracket Bolt
5	M8-1.25 X 25mm	3	Top Compressor Bolt Top Alternator Bolt
7	M8-1.25 X 40mm	2	Bolts for Power Steering Pump (if used)
8	M8-1.25 X 130mm	5	Mounting bolts for passenger side and driver side bracket
9	M8-1.25 X 140mm	1	Mounting bolt for driver side bracket
10	3/8" SAE Washer	3	Washer Between Idler Pulley Assembly & Bolt
12	7507722-270	3	2.70" spacer between bracket and timing cover
13	7517722-325	2	3.25" spacer between bracket and timing cover
14	6257722-S-315	1	3.15" spacer between bracket and timing cover
15	32522-WR	1	Main bracket driver side
16	325247-WR	1	Main bracket passenger side
	Total Parts	32	

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





Step 1: Remove old brackets pulleys. You will not need to remove the water pump if you are not replacing it.

Step 2: Attach driver side bracket. Use M8 x 130mm with 2.7" spacer on top mounting point of bracket. Use M8 x 140mm with 3.25" spacer on mid mounting point on bracket. Use M8 130mm with 2.7" spacer on bottom mounting point of bracket. Tighten all three bolts to torque specs listed below.

Step 2: Step 3: Install Alternator using M8 X 25mm SHCS on threaded mounting point and 3/8 X 2.75" SHCS on non-threaded mounting position with 3/8" Lock Nut. Tighten all bolts to torque specs listed 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 3: Attach passenger side bracket. Use BOLT with 3.15" spacer on top mounting point of bracket. Use BOLT with 3.25" spacer on mid mounting point of bracket. Use BOLT with 2.7" spacer on lower mounting point of bracket. (see tech tip below if running power steering) Tighten all bolts to torque specs listed below.

**Tech Tip:** If using power steering pump, mount pump to bracket prior to tightening down bracket mounting bolts. Pump may not mount properly with bracket tightened completely with some timing covers. Also assess what type of fitting will be coming from the pump. Certain fittings may need to be secure prior to mounting the pump.

Step 6: Install compressor with fittings facing away from balancer. Use (2) 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 7: Install Gates spring loaded idler pulley using 3.0" Button Head Cap Screw and 3/8" Lock Nut

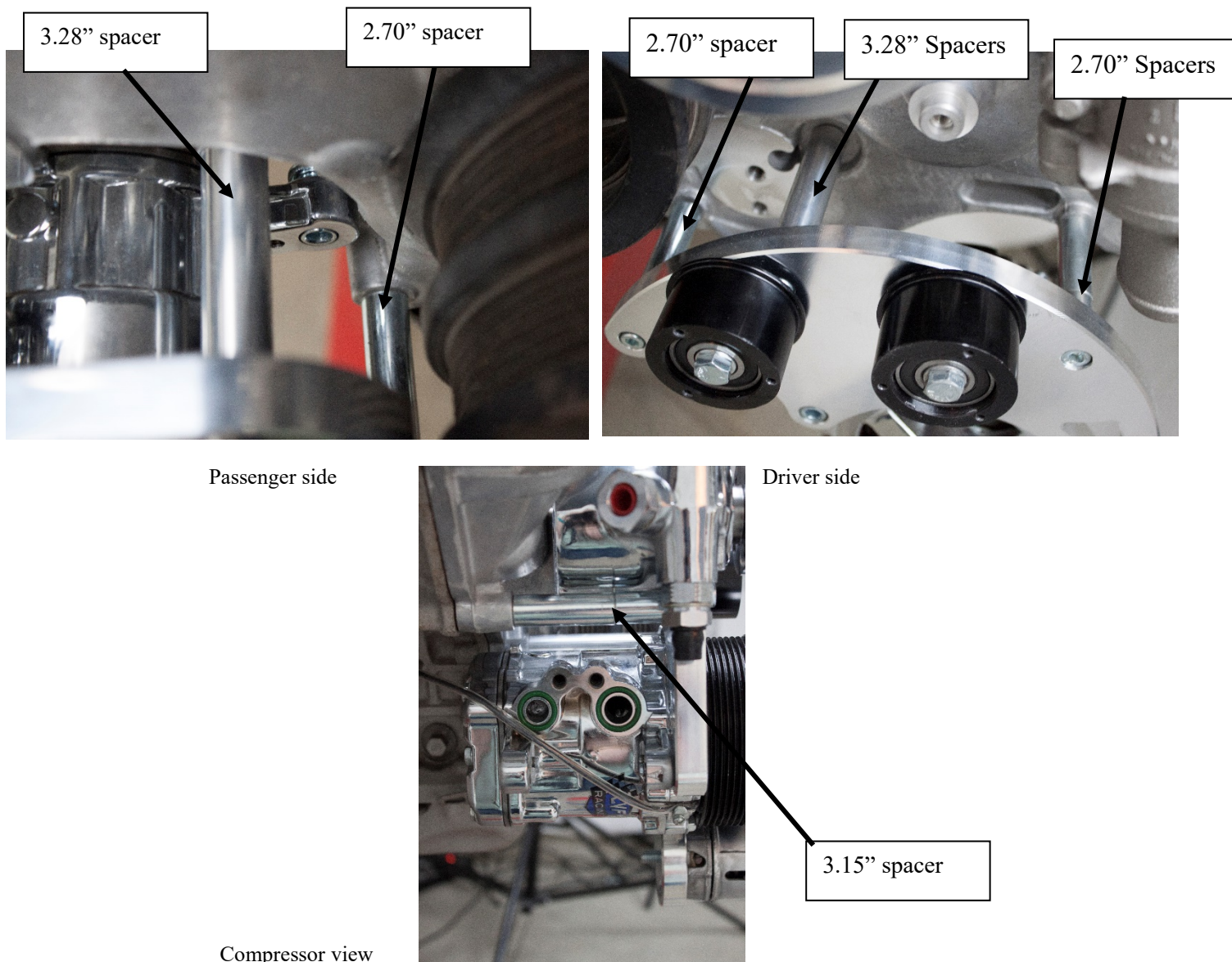
Step 8: Install the remaining pulleys and pulley covers with the bolts that are in each box

Step 9: Use a 1/2" ratchet to apply tension to the idler pulley and install the belt as shown.

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

Step 11: 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.

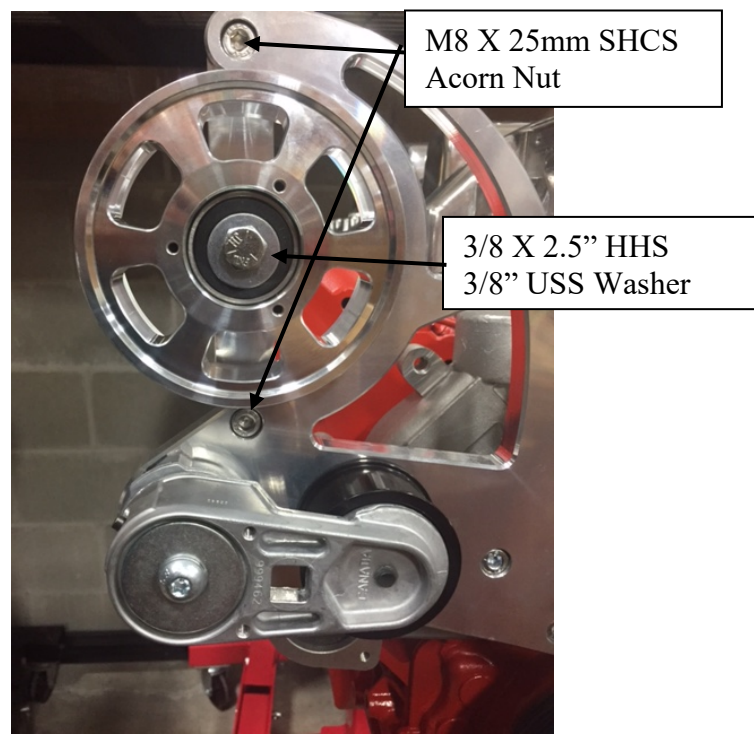
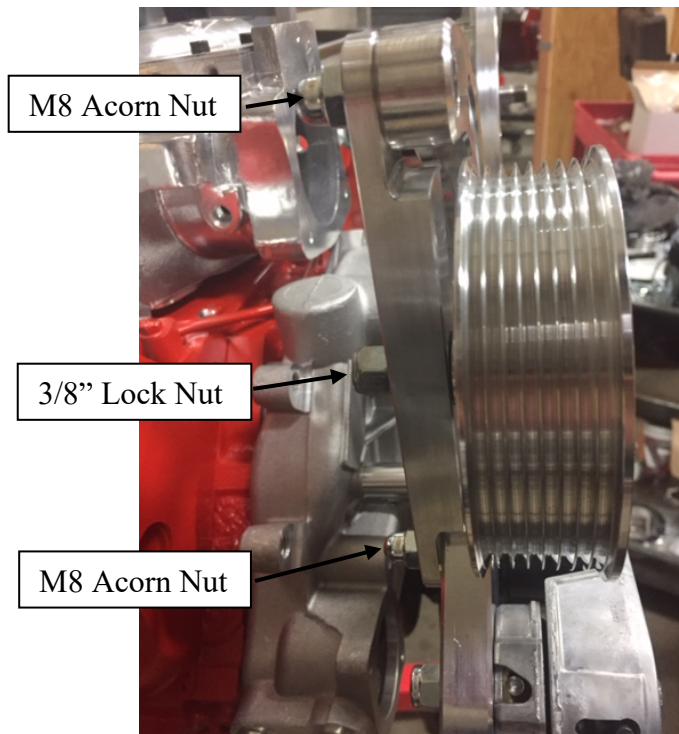


Torques Specs:

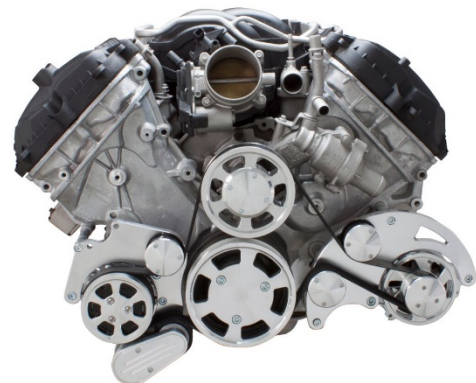


#8 Socket Cap Screw: 30 in-lbs (3.4 N-m)  
#10 Socket Cap Screw: 65 in-lbs (7.3 N-m)  
M8 Socket Cap Screw: 36 ft-lbs (48.8 N-m)  
1/4-20 Button Head Screw: 16 ft-lbs (21.7 N-m)  
5/16-18 Socket Cap Screw (Fine): 38 ft-lbs (51.5 N-m)  
5/16-24 Socket Cap Screw (Coarse): 34 ft-lbs (46.1 N-m)  
3/8-16 Socket Cap Screw: 61 ft-lbs (82.7 N-m)  
3/8-16 Button Head Screw: 30 ft-lbs (40.7 N-m)

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



Belt Routing with and without Power Steering



**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.

