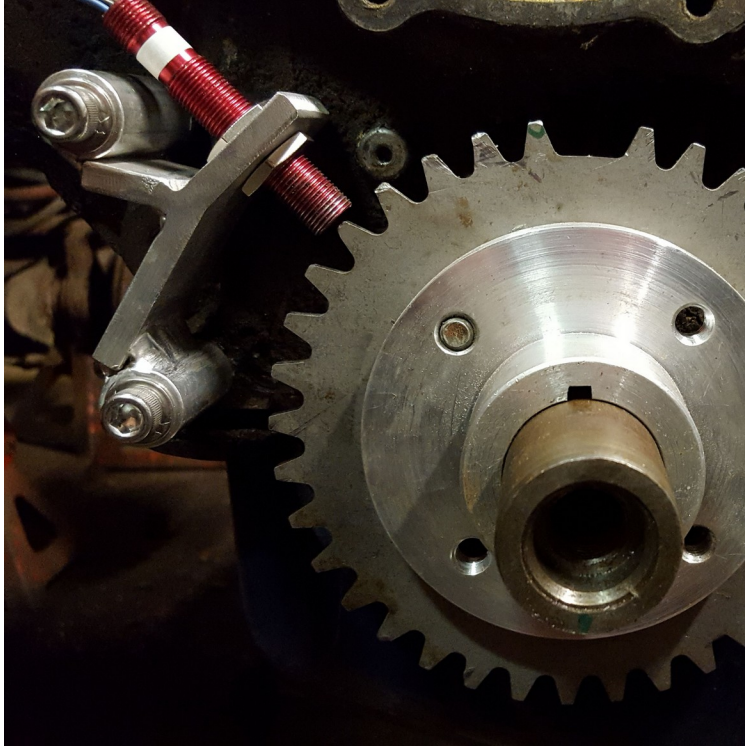




Dragon Fabrication

Crank Trigger Sensor Installation

1. Install the timing cover on the engine.
2. Once the timing cover Gasket Sealer has setup Remove the two lower passenger side 5/16 bolts
3. Install the Dragon Fabrication Crank trigger Hub and Toothed wheel. Leave the Wheel loose on the hub so you can adjust its alignment to the sensor.
4. Install the Hal Sensor into the sensor bracket. Leave it loose.
5. Install the bracket onto the engine timing cover using the 5/16 bolts that are 3 ½ cap screws and washers provided.
6. Verify the alignment of the sensor. The middle of the sensor needs to correspond to the middle of the 5th tooth before the missing tooth. The sensor bracket is designed so that it places the sensor inward of the tooth. This was done on purpose to accommodate variations in the timing cover and gaskets. Use the Shims provided between the sensor bracket and the timing cover to get the proper alignment.
7. Tighten the Hub/Wheel 3/8 bolts.
8. Adjust the sensor to tooth distance to 0.035 clearance by adjusting the two sensor lock nuts. Once the clearance is correct apply thread locker and tighten.



Timing Pointer Installation

1. Install the sensor bracket as indicated above.
2. Now remove the two 5/16 cap screws to remove the bracket.
3. Insert the 5/16 cap screws into the timing pointer plate provided.
4. Install the 5/16 cap screws into the bracket so the cover is on top.
5. Install the assembly back on the engine
6. Tighten the 5/16 cap screws
7. Verify that your sensor to wheel tooth has remains correct. Adjust accordingly if needed
8. Install the Harmonic Balancer
9. Verify you sensor alignment one last time
10. Install the pointer on to the timing pointer plate using the 6/32 screws provided. Put the first screw in the hole marked as TDC on the timing pointer plate.
11. Adjust the pointer to match the harmonic balancer TDC mark.
12. Install the second screw in a hole that lines up.

