



CRUZ Performance 12-1 Crank Trigger Kit

Step 1: Remove original water pump and crank pulley.

Step 2: Remove bottom passenger side long 5/16 water pump bolt. (caution water or coolant will leak out)

Step 3: Remove bottom passenger side short ¼ inch bolt.

Step 4: Set motor up at 60 degrees BTDC/ before top dead center. (if unsure how to do this, contact CRUZ Performance)

Step 5: Install CRUZ Performance 12-1 Crank Trigger bracket with supplied longer 5/16 bolt and ¼ inch bolt. (Have Crank trigger hall effect sensor with nut on the bottom already installed)* Check images below

Step 6: Install lower CRUZ Crank Pulley with red mark lined up with the hall effect sensor. Check image below

Step 7: Adjust air gap on hall effect sensor to **.040 - .060**. Wire tie sensor to bolt bracket. Check images below

Step 8: Make 12-1 ignition strategy change to your ECU. (if unsure how to do this, contact CRUZ Performance)

Step 9: Start up engine and confirm static timing. (should be within 1-2 degrees of locked in timing. If adjustment is needed add or subtract to reference angle. Contact CRUZ Performance for info)**

Step 10: Reinstall water pump pulley and supporting parts removed.

* - add thread sealant to bolts

** - we prefer to check static timing at this stage for easy access however, needs to be done quickly as to avoid overheating the motor



STEP 5



STEP 6



STEP 7

