



P/N 300003

1989 – 1998 Dodge 5.9L Cummins Sensor Relocation Kit Instructions

Install sensor relocation bracket: (The sensor must be installed before installing the Fluidampr)

Step 1: Install (1) threaded hex stud into the lower corner of the engine block. Install other hex stud into the timing cover. You will need to remove the OEM bolts in these locations to mount these studs. Do not tighten these bolts, you will need to adjust the bracket in step 7. See picture (A) below for mounting locations.

Step 2: Using a 13mm wrench, install (2) supplied M8 x 1.25 bolts through the bracket slots into the hex studs. Make sure the round spacers on the bracket are facing outwards from the engine. See diagram (B) below.

Install wire extension:

Step 1: Measure the gap between the damper and sensor, then remove the magnetic pick up.

Step 2: Determine if the existing wiring harness is long enough to reach the new sensor location. If the wires reach, skip to step 7. If not, proceed to step 3.

Step 3: Using diagonal cutting pliers, cut the sensor wire at 2 places on both sides of the connector and set the old male and female connector aside.

CAUTION: Before cutting any wires, be sure to identify each wire so you can reattach them in the same order (Ex. – ground wire to ground wire).

Step 4: Install shrink tubing over new wires before attaching connectors. (Optional)

Step 5: If possible, solder wire connections together and isolate with individual shrink tubes. If soldering is not possible, install the (6) supplied water proof pigtail connectors to each end of the cut wires. Keeping the proper wires in order, (see above) attach the new wire connectors to the pigtail connectors by pushing the wires all the way into the connector.

NOTE: There is no wire stripping required when using these connectors.

Step 6: Using pliers, clamp down on each pigtail connector to lock the wires in place.

Step 7: Install the sensor onto the bracket using a 13mm wrench. Tighten 2 bolts supplied to secure the sensor to the bracket. On some models, the sensor may not have the proper clearance. If this happens, the supplied bracket must be modified, see diagram below. You must drill a 3/8" diameter hole in both bracket slots (See diagram (C) below). This may only happen on early 1st generation 12 valves, do not modify this bracket if you do not need to.

Step 8: Plug new wire connectors together. (If sensor wires were lengthened)

Step 9: Install the Fluidampr, torque the bolts to the proper torque as indicated in the Fluidampr instructions. Readjust the magnetic pick-up to the previously measured gap or to the manufacturers specifications.

