



High Performance PMD Cooler™ Installation Instructions

Part Number 65PMD-C

High Performance Cooler Kit for the PMD (Fuel Solenoid Driver or Pump Mounted Driver) on GM 6.5 Turbo Diesels – all models except for Vans.

Before commencing installation, please check that your PMD Cooler Kit is complete.

The kit includes: 1 PMD Cooler, 1 heat transfer pad, 4 screws UNC 6-32x28, 4 Belleville disc springs, 4 washers, 1 Allen wrench, 1 calibration resistor and 2 bolts M8x55

Note: Important information regarding the heat transfer pad

- Always store and keep the transfer pad flat and supported
- Do not expose it to direct sunlight or higher than normal room temperature when in storage
- Where applicable, do not remove the plastic protection film until just before the installation
- Do not touch the surfaces – hold it through the openings
- The PMD Cooler and the PMD module must be at room temperature, and their mounting surfaces must be absolutely clean, during installation

1. Remove the plastic manifold cover by removing four bolts.
2. On the driver's side, remove the two bolts connecting upper and lower intake manifold.
3. On the driver's side, disconnect the PMD wiring harness connector from the injection pump mounted PMD – disengage the locking device of the connector and push it off – use a screw driver or other suitable tool. Pull up the wiring harness connector – use a piece of shaped steel wire.
4. Apply a thin film of oil or grease underneath the small screw heads and at the end of the threads. Mount the Belleville disc springs on the screws – tip side facing the screw head. Mount the washers on the screws. Insert the screws with Belleville disc springs and washers into the PMD.
5. On ceramic filled gaskets, remove the plastic film from one side of the heat transfer pad and mount it on the projecting screws. **Note: The protective coating will be readily removable on one side only.**
6. With the PMD connector facing the PMD Cooler's mounting flange, align the screws with the holes in the PMD Cooler. *It's easier to mount the PMD with the PMD Cooler standing upright.* Start the screws, 2-3 turns, using the Allen wrench. Check that the heat transfer pad can move freely on the screws – **Important: torque the screws to 13 lbs/inch.**
7. Install the calibration resistor in the PMD connector – carefully use a small screwdriver or other suitable tool.
8. Connect the PMD wiring harness connector to the new PMD.
9. Mount the PMD Cooler to the intake manifold. Use the bolts supplied and tighten to 23 Nm (17 lb/ft).



High Performance PMD Cooler and manifold

The plastic manifold cover should not be reinstalled. It will not fit when the PMD Cooler is installed.

The removal of the cover improves the cooling of the upper part of the engine and makes the fuel filter accessible for service.