



## INSTALLATION INSTRUCTIONS

MAKE: DODGE

MODEL: RAM 2500/3500

YEAR: 1998.5-2007

ENGINE: L6-5.9L (td) CUMMINS

## Grid Heater Delete Spacer 46-10019



### Parts Included:

- Spacer, Manifold (Qty. 1)
- 1/8 NPT (Qty. 4)
- Gasket, Manifold (Qty. 2)

### Tools Needed:

- 10mm Socket
- 11mm Socket
- 7/16" Deep Socket
- 3/8" Driver Ratchet
- 3/8" Driver Extension
- Scraper (Gasket Remover)
- Torque Wrench
- Wire Cutter/Snipper

**CAUTION:** Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Engine bays reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe recommends professional installation on our products.

1. Disconnect both batteries on vehicle before installation.
2. Loosen the intercooler coupler hose clamp using a 7/16" deep socket.
3. Remove the engine oil dipstick bolt with a 10mm socket.
4. Remove the 4 bolts holding the stock manifold using a 10mm socket and extension.
5. Remove the wire harness bracket located in the back of the manifold (side facing the firewall).
6. When replacing the stock grid heater spacer with an aFe spacer, you will have to remove the wires from the back of the stock grid heater spacer (side facing the firewall), or remove the wires from the truck completely.
7. If you chose to remove the wires from the stock grid heater spacer, be sure to insulate them with electrical tape or similar to prevent a short circuit.
8. If you chose to remove wires from the truck. Follow the wires from the stock grid heater to 2 solenoids sitting on the wheel well. Disconnect the wires from the solenoids first. Then Disconnect the wires from the stock grid heater. Remove the harness from the vehicle.
9. Carefully remove the stock manifold out of the vehicle (place a clean shop rag over the open hole to prevent anything from entering). Remove both top and bottom stock gaskets away from the air grid heater. Replace with new gaskets provided. (May require a scraper or scotch brite to clean sealing surfaces.)
10. Put Teflon tape around the 1/8 NPT plugs and insert them onto your aFe spacer. Now would be a good time to install any sensors in the spacer.
11. Loosen the wire harness clamp in the back on the manifold to allow wiring to side through (side facing the firewall).
12. Install the aFe in reverse order of removal.
13. Torque the coupler hose clamp with 7/16" deep socket to 71 in-lbs. Torque the four mounting screws to 18 ft-lbs.
14. Your installation is now completed. Please check all screws periodically. Re-tighten if necessary. Thank you for choosing aFe.

**Note:** Legal in California only for racing vehicles which may never be used upon a highway.