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INSTALLATION INSTRUCTIONS PART NO. 15866

READ INSTRUCTIONS THOROUGHLY BEFORE DISASSEMBLING. DO NOT SKIP ANY STEPS. ANY QUESTIONS ON A VOLANT KIT MAY BE REFERRED TO OUR TECH SUPPORT LINE AT (909) 476-7225 OR VISIT OUR WEBSITE AT WWW.VOLANTPERFORMANCE.COM

TOOLS NEEDED FOR INSTALL:

1. 8 MM SOCKET AND RATCHET
2. 10 MM SOCKET AND RATCHET
3. 10 MM OPEN WRENCH
- 4.. 5/16 NUT DRIVER OR FLAT HEAD SCREWDRIVER
5. PHILLIPS SCREWDRIVER
6. HAND DRIVER TO HOLD TORX BIT

INSTALLATION:

1. Disconnect negative battery cable.
2. Disconnect the mass flow sensor harness clip located on the stock filter box from the mass flow sensor.
3. Using a 5/16 nut driver or flat screwdriver loosen the stock hose clamp that connects the stock duct to the stock filter box. Pull the stock duct away from the filter box
4. Unscrew the 8 MM bolt on the resonator box that say 6.6 turbo diesel. Loosen the small clamp attached to the resonator box and remove the resonator box.
5. Loosen the hose clamp on the stock air duct where it connects to the throttle body. Pull the duct off and remove from the engine compartment.
6. Remove the stock filter box by pull firmly up and away from the rubber grommet and the vehicle.
7. Unscrew the filter box tray using a 10 MM socket and ratchet and remove tray.
8. Install the Volant filter box to the preexisting location of the stock filter box tray. Use the two stock locations closest to the fender panel to fasten the Volant filter box down with the 6 MM bolts, 1/4" lock washers and 1/4" washers provided.
9. Position the Volant ram filter in the filter box. Make sure the base of the filter is through the filter box opening. (See schematic).

10. Loosen and remove the two stock stainless steel screws that hold the stock mass flow sensor to the stock filter box with the torx head bit provided. Remove mass flow sensor.
11. Apply the 1" O-Ring on the mass flow sensor then reinstall the stock mass flow sensor to the Volant air duct. Screw the sensor down with the stock stainless steel screws. **DO NOT OVER TIGHTEN.** Make sure sensor connection points toward the firewall. (See Fig. A).
12. Connect the Volant 3 3/4" X 3" sleeve and the #064 clamp to the throttle body.
13. Position the Volant air duct to the Volant ram filter and clamp. Then connect the other end of the duct to the 3 3/4" X 3" sleeve and #064 clamp.
14. Position the Volant duct correctly and tighten all clamps.
15. Place and fasten the Volant filter box lid on the filter box with four (4) 1/4" truss head screws and rubber washers provided.
16. Reconnect the mass flow sensor to the harness clip.

WARNING: OVER TIGHTENING HARDWARE MAY ALTAR THE INTEGRITY OF THE VOLANT AIR INTAKE SYSTEM.

BEFORE ROAD TESTING

1. Start engine, leaving the transmission in park and securing the parking brake.
2. Make sure to look and listen for any unusual noises or air leaks. Repair problems if needed.
3. Once completed it will be necessary to check periodically for realignment and tightening of all connections.
4. Once all tests are completed, enjoy the performance of your new Volant Air Intake System.

CARE AND CLEANING

Check the cotton reusable filter periodically and remove any excessive dirt build-up by tapping the filter on the ground and brushing off the loosened dirt. Clean the filter by using Volant's Filter Recharger Kit. Volant's Filter Recharger Kit is designed to restore original air flow. Re-oil every 10,000 miles without cleaning to improve filtering in sand and dirt. Clean only when dirt is very excessive or 50,000 miles.

APPLICATION GUIDE

PART NO. 15866

MY	MAKE	MODEL	ENG.
2001-MID 2004	GM	DURAMAX	6.6

RECOMMENDED SERVICE PARTS	PART NO.
VOLANT REPLACEMENT FILTER	5154
AIR FILTER CLEANER KIT	5110
VOLANT PREFILTER	51906

