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INSTALLATION INSTRUCTIONS PART NO. 19746

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. FLATHEAD SCREWDRIVER
2. 10 MM SOCKET AND RATCHET WRENCH
3. 7/16 WRENCH
4. 10 MM WRENCH
5. 7/16 SOCKET AND WRENCH

INSTALLATION:

1. Turn vehicle to the off position.
2. Loosen the 6 mm bolts and remove the plastic shroud cover above the throttle body by using a 10 mm socket.
3. On the stock air duct, detach both breather hoses closest to your throttle body. Loosen the hose clamp at the throttle body and pull the duct off the throttle body. Carefully remove the air temperature sensor located on the accordion hose near the stock filter box. Follow the electric harness from the stock filter box and disconnect the plug from the harness on the chassis.
4. Pull the filter box up and from the rubber grommets located underneath the box. Remove the entire filter assembly from the vehicle.
5. Separate your stock filter box in two by unclipping the filter box latch.
6. To remove the encased mass flow sensor, insert a flathead screwdriver in one of the small slots located on the lid of the half filter box with the wire harness. Carefully pry open the lid and disconnect the mass flow sensor inside. Remove the lid and the mass flow sensor completely. Unscrew the two bolts that fasten the sensor to the lid with a 10mm socket and ratchet wrench
7. Relocate the mass flow sensor along with the sensor gasket to the outside Volant filter box and the Volant sensor adapter and gasket inside. Secure them both with the four (4) 1/2"-20 bolts, 1/4" washers and nuts provided.
8. Reconnect the mass flow sensor harness back to the engine harness.
9. Install the Volant filter box in the same location were the stock unit sat. Line up the holes and bolt the Volant filter box down.

10. Slip the 3" end of the rubber reducer along with the #048 clamp around throttle body. On the 3 1/2" opening of the reducer, slip over the #056 clamp and insert the end of the Volant air duct that has two fittings. Do not tighten until entire unit is in place, this will allow adjustment. Slip one end of the 3 1/2" hump hose over the Volant air duct. Connect the other end around the mass flow sensor. Open two #056 clamps and wrap both around the 3 1/2" hump hose. Adjust and tighten all clamps.
11. Connect the provided 3/4" and 5/8" small hoses to the Volant air duct fittings and to the stock breather hose attachments. Reinstall plastic shroud cover over throttle body. Insert the air temperature sensor in the 1/2" rubber grommet on the Volant air duct. Then plug in the mass flow sensor.
12. Install the Volant filter to the adapter inside the Volant filter box. Cover the filter box with the lid and stainless steel screws provided
13. Make sure everything is tightened and properly connected.

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. 19746

MY	MAKE	MODEL	ENG
2004-2005	FORD	F-150	4.6L

RECOMMENDED SERVICE PARTS	PART NO.
VOLANT REPLACEMENT FILTER	5117
AIR FILTER CLEANER KIT	5100
VOLANT PREFILTER	51902