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INSTALLATION INSTRUCTIONS PART NO. 19054

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. 2 Flathead screwdriver
2. Phillips screwdriver
3. 10mm socket
4. ratchet wrench
5. 7/16 socket or wrench

INSTALLATION:

Switch the vehicle to the off position and disconnect the negative battery cable.

1. If you have a 99-02 skip this step. Loosen and remove the engine cover bolts that hold the cover down. Then remove cover.
2. Disconnect the air temperature plug from the sensor located on the center of the stock air intake duct.
3. Pull the breather hose off the air intake duct.
4. Loosen the hose clamp on the stock intake tube located at the throttle body.
5. Pull the stock duct off the throttle and carefully lift the entire filter assembly up and from the two rubber grommets under the stock filter box. Do not completely remove the box from the engine compartment. Follow the electric harness from the stock filter box and disconnect the plug from the harness on the chassis.
6. Now remove the entire filter assembly from the vehicle.
7. Separate your filter box in two by unclipping the filter box latch.
8. 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
9. Relocate the mass flow sensor along with the sensor gasket to the Volant filter box lid. Secure the mass flow sensor to the lid with the four (4) 1/2"-20 bolts and 1/4" washers provided. Use a 7/16 wrench to tighten. Attach the ram filter on the other end of the Volant lid with the filter clamp. Bolt the Volant lid to the Volant filter

box by using four (4) 1/2"-20 bolts and 1/4" rubber washers. Apply the trim sponge around the open end of the Volant filter box to seal up against the fender well. Install the Volant filter box in the preexisting location of the stock filter box.

10. Slip the 4.5 Volant sleeve on the throttle body with the two 72 clamps
11. Attach the 3.5 inch hump hose to the mass flow sensor on the Volant filter box and tighten with the 56 clamp. Place the other 56 clamp on the other end.
12. Install the oval end of the Volant air intake duct to the throttle body and the other end to the hump hose. Do not tighten until entire unit is in place, this will allow adjustment.
13. Connect the stock breather hose to the Volant duct.
14. Remove the air temperature sensor from the accordion stock air intake.
15. Reinstall the sensor in the 1/2 rubber grommet on the Volant duct and reconnect it to the same wire harness on the vehicle.
16. Reconnect the mass flow sensor wire harness back to the engine harness and the other to the stock mass flow sensor.
17. Now make sure the clamps on the Volant air duct are tightened and properly connected.
18. 2003-04 Install the Volant bracket on the side of the Volant filter box with 1/4-20 bolt and lock washer and the other end using the 6mm bolt and lock washer to the chassis. Reinstall the engine cover.

19. Reconnect the negative battery cable.

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. 19054

MY	MAKE	MODEL	ENG
1999-2004	LINCOLN	NAVIGATOR	5.4L DOHC

RECOMMENDED SERVICE PARTS

	PART NO.
VOLANT REPLACEMENT FILTER	5154
AIR FILTER CLEANER KIT	5100
VOLANT PREFILTER	51902



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19054 PARTS LIST		1	4 1/2" X 2 1/2" SLEEVE
1	VOLANT FILTER BOX	4	1/4"-20 BOLTS
1	VOLANT FILTER BOX LID	4	1/4"-20 TRUSS HEAD SCREWS
1	VOLANT AIR DUCT	4	1/4" LOCK WASHERS
1	RAM FILTER W/CLAMP	4	1/4" RUBBER WASHERS
2	#056 CLAMPS	1	1/2" RUBBER GROMMET
2	#072 CLAMPS	1	3/16" GASKET
1	3 1/2" HUMPS HOSE	1	1/2" X 16 1/2" VINYL TRIM

