



8759 Lion Street
 Rancho Cucamonga, CA 91730
 (909) 476-7225 TECH SUPPORT
 (909) 476-1491 FAX
 www.volantperformance.com

INSTALLATION INSTRUCTIONS PART NO. 19854

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. 10MM SOCKET AND RATCHET WRENCH
3. 7/16 WRENCH
4. 10MM 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. Carefully remove the air temperature sensor located on the accordion hose near the stock filter box. Loosen both hose clamps on each side of the air duct and remove the air duct from your engine compartment.
4. Separate your filter box in two by unclipping the filter box latch. Remove the half that is closest to the fender well by pulling straight up and away from the engine compartment. Leave the other half of the box attached to the encased mass flow sensor.
5. To remove the encased mass flow sensor, insert a flathead screwdriver in one of the small slots located on the lid of the remaining half filter box. 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.
6. 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) ½"-20 bolts and ¼" 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) ½"-20 bolts and ¼" rubber washers. Apply

the dual mold trim around the end opening of the Volant filter box. Install the Volant filter box in the preexisting location of the stock filter box.

7. Slip the 3" end of the rubber reducer along with the #048 clamp around throttle body. On the 3½" 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 3½" hump hose over the Volant air duct. Slip the other end around the mass flow sensor. Open two #056 clamps and wrap both around the 3½" hump hose. Adjust and tighten all clamps.
8. Connect the provided ¾" 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 ½" rubber grommet on the Volant air duct. Then plug in the mass flow sensor.
9. 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. 19854

MY	MAKE	MODEL	ENG
1996-2004	FORD	EXPEDITION	4.6L
1996-2004	FORD	EXPEDITION	5.4L
1996-2003	FORD	F-150	4.6L
1996-2003	FORD	F-150	5.4L
1996-2002	LINCOLN	BLACKWOOD	5.4L
1996-2000	LINCOLN	NAVIGATOR	5.4L

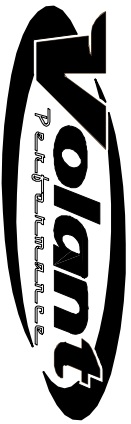
RECOMMENDED SERVICE PARTS

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

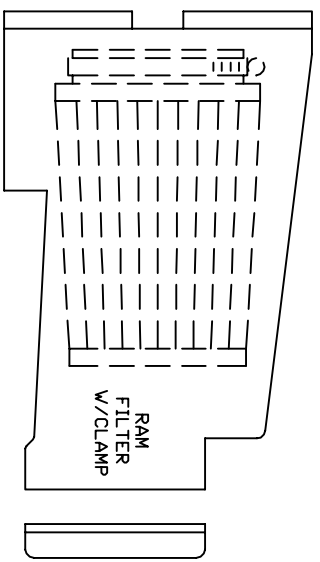


VOLANT AIR INTAKE SYSTEMS
 PART NO.: 19854
 INSTALLATION INSTRUCTIONS
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 TECH SUPPRT: (909) 476-7225

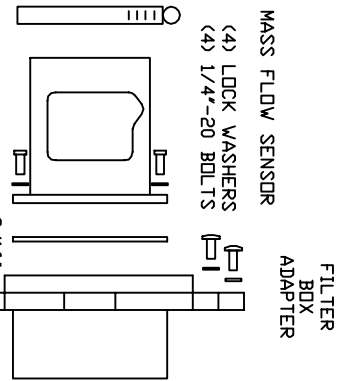
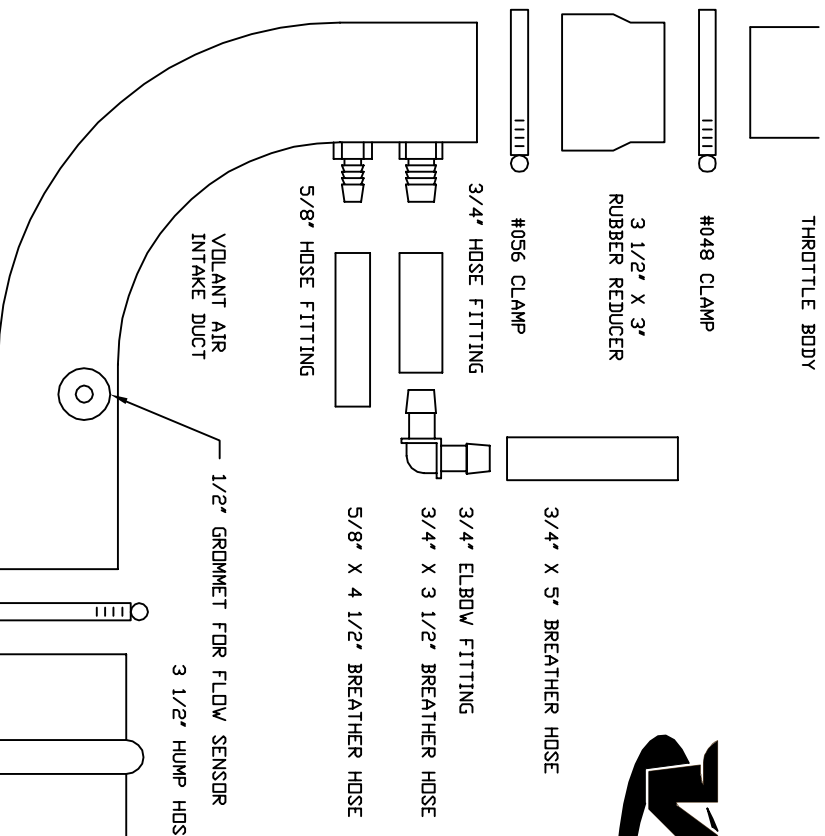
19854 PARTS LIST					
1	VOLANT FILTER BOX	1	3 1/2" HUMPH HOSE	1	3/16" GASKET
1	VOLANT FILTER BOX ADAPTER	1	3 1/2" X 3" RUBBER REDUCER	1	16 1/2" RUBBER TRIM W/SPONGE
1	VOLANT AIR DUCT	4	1/2"-20 BOLTS	1	3/4" X 5" BREATHER HOSE
1	RAM FILTER W/CLAMP	4	1/2"-20 TRUSS HEAD SCREWS	1	3/4" X 3 1/2" BREATHER HOSE
1	#048 CLAMP	4	1/4" LOCK WASHERS	1	5/8" X 4 1/2" BREATHER HOSE
3	#056 CLAMPS	4	1/4" RUBBER WASHERS		
1	3/4" ELBOW FITTING	1	1/2" RUBBER GROMMET		



SIDE VIEW



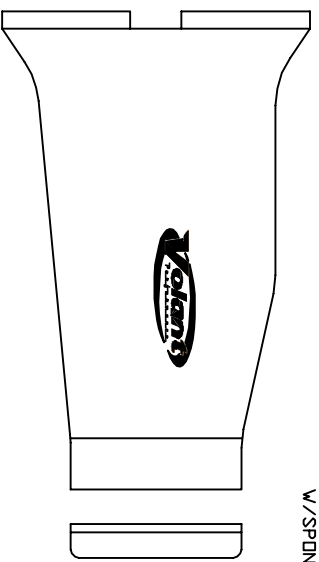
VOLANT FILTER BOX



MASS FLOW SENSOR
 (4) LOCK WASHERS
 (4) 1/4"-20 BOLTS

FILTER BOX ADAPTER

TOP VIEW



16 1/2" RUBBER TRIM W/SPONGE

(4) 1/4" RUBBER WASHERS
 (4) 1/4"-20 TRUSS HEAD SCREWS