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### INSTALLATION INSTRUCTIONS PART NO. 19654

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. 10 MM WRENCH
4. PHILLIP SCREWDRIVER

#### INSTALLATION:

1. Turn vehicle to the off position. Disconnect negative (-) battery cable.
2. This step is only for the Lincoln Navigator. Remove the engine cover by pull it up and away from the rubber grommet.
3. Detach the stock air duct from the stock filter box that reads 5.4L TRITON. Detach the other end from the drivers side fender well and away from the engine compartment.
4. Disconnect and remove the crank case breather hose on the passenger side from the filter box and valve cover fitting. Unclip the red tab then unplug the mass flow sensor. Disconnect the brake booster vent line from the filter box driver side.
5. On the stock filter box pull up on the heater control valve and wiring harness mounting clips to unhook them from the air box mounting studs.
6. Remove the four 6 mm bolts located on the sides of the stock square filter box on the throttle body using a 10mm socket or 10mm wrench. Pull the filter box up and off the throttle body and away from the engine compartment.
7. Reinstall the two mounting studs with the two washers provided on the passenger side. Place the heater control valve and wiring harness mounting clips back onto the air box mounting studs.
8. Remove the 3/8" hose from the water reservoir tank located on the drivers side. Extend the hose with the 3/8 hose and 1/2 fitting provided. This will give the water hose enough slack to go around the Volant air box.
9. Apply the trim sponge onto the large round opening on the Volant filter box with the 3" lip. Install the Volant filter box on the driver side where the stock unit pulled its air. Remove the center bolts on the mounting tray. This will allow to mount the Volant box to the vehicle.
10. Remove the mass flow sensor from the stock air box with the T20 torx key. Reinstall the sensor in the Volant air duct using the same screws and the new sensor gasket. Make sure that the arrow is

- pointing towards the throttle body.
11. Slip the Volant 3 1/2" sleeve onto the end of the Volant duct closest to the mass flow sensor. Use the 56 clamps to secure the sleeve on the duct and place the other clamp on the other end of the sleeve but only tighten enough for it to stay on.
12. Install the Volant air duct onto the throttle body with the #56 clamps. Do not completely tighten until the Volant air duct is aligned with the Volant air box opening.
13. Connect the Volant filter to the Volant air duct by placing the filter in the Volant box and through the 5" opening. Clamp down the filter to the duct on the outside of the Volant box with the clamp provided.
14. Tighten the clamps that holds the 3 1/2" silicone sleeve to the throttle body and Volant duct.
15. Reconnect the mass flow sensor on the Volant duct to the engine harness sensor plug. Connect the 1/2 hose provided to the Volant duct and the other end to the engine crank case breather hose fitting. Reconnect the brake booster vent line to the Volant duct.
16. Cover the Volant filter box with the lid and stainless steel screws provided.
17. Only if this vehicle is a Lincoln Navigator. Reinstall the engine cover.
18. Make sure everything is tightened and properly connected.
  
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. 19654

MY	MAKE	MODEL	ENG.
05-06	FORD	EXPEDITION	5.4L
05-06	LINCOLN	NAVIGATOR	5.4L

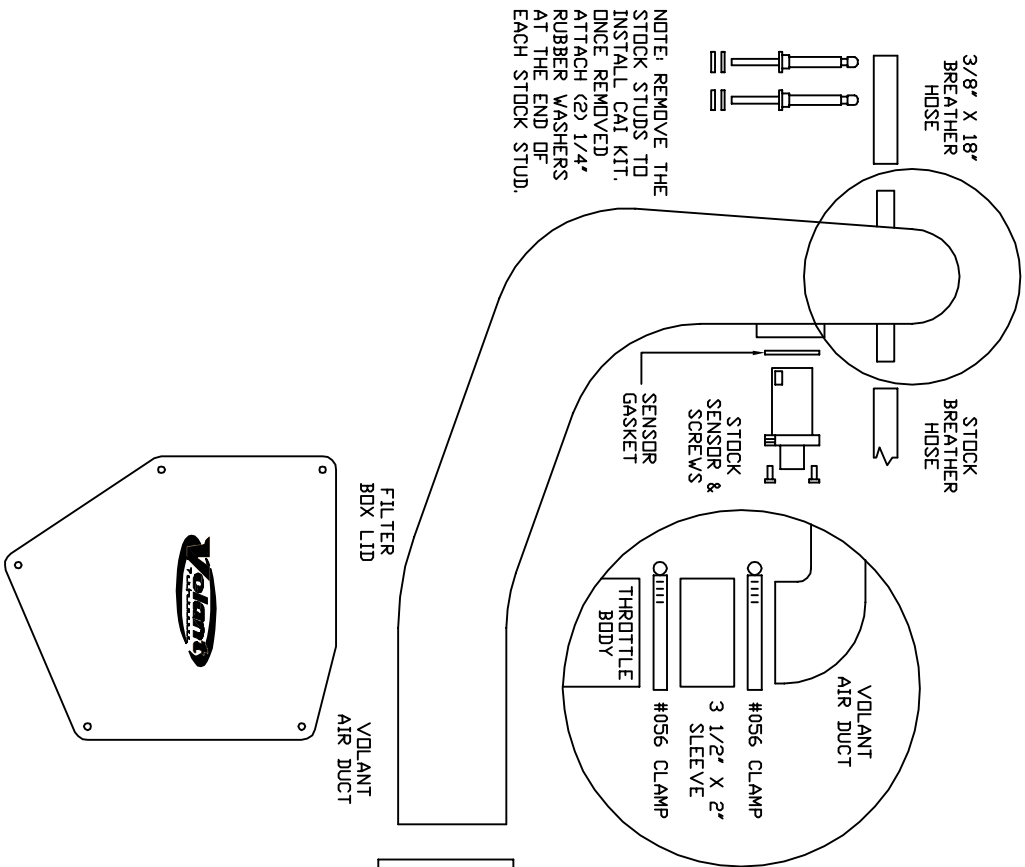
RECOMMENDED SERVICE PARTS	PART NO.
VOLANT REPLACEMENT FILTER	5104
AIR FILTER CLEANER KIT	5100



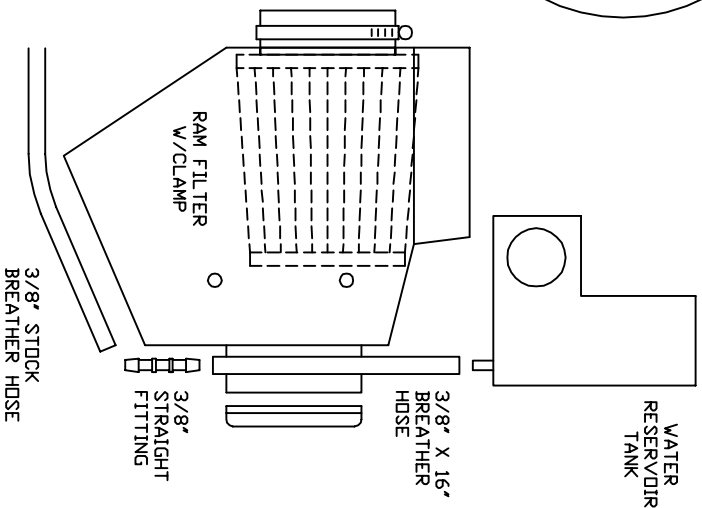
VOLANT AIR INTAKE SYSTEMS  
 PART NO.: 19654  
 INSTALLATION INSTRUCTIONS  
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 TECH SUPPORT: (909) 476-7225

19654 PARTS LIST					
1	FILTER BOX	2	6 MM X 25 BOLTS	1	SENSOR GASKET
1	FILTER BOX LID	2	1/4" LOCK WASHERS	1	3/8" STRAIGHT FITTING
1	VOLANT AIR DUCT	2	1/4" WASHERS		
1	RAM FILTER W/CLAMP	1	3/8" X 18" BREATHER HOSE		
2	#056 CLAMPS	1	3/8" X 16" BREATHER HOSE		
1	3 1/2" X 2" SLEEVE	1	3/4" X 14" VINYL TRIM		
5	1/4"-20 TRUSS HEAD SCREWS	9	1/4" RUBBER WASHERS		

TOP VIEW



NOTE: REMOVE THE STOCK STUDS TO INSTALL CAI KIT. ONCE REMOVED, ATTACH (2) 1/4" RUBBER WASHERS AT THE END OF EACH STOCK STUD.



- (2) 6 MM X 25 BOLTS
- (2) 1/4" LOCK WASHERS
- (2) 1/4" WASHERS

