



Volant Performance  
 Rancho Cucamonga, CA 91730  
 (909) 481-3888 Tech Support  
 (909) 476-1491 Fax  
 www.volant.com

**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) 481-3888 OR VISIT OUR WEBSITE AT WWW.VOLANT.COM**

**INSTALLATION INSTRUCTIONS PART NO. 19146**

**Installation Instructions:**

1. Disconnect the negative battery cable.
2. Loosen the clamp holding the duct to the throttle body and to the air box and remove the breather hose.
3. Remove the factory air duct.
4. Remove the two bolts holding the air box to the fender.
5. Remove the MAF sensor from the factory air box.
6. Pull the coolant overflow hose off of the bottle inlet.
7. Remove the factory air box and coolant bottle.
8. Remove the coolant fill cap and install it on the volant fill bottle.
9. Press the volant box onto the factory rubber grommets.
10. Attach the hump hose to the filter box adapter.
11. Attach the sleeve to the throttle body and tighten the clamp.
12. Press the duct into the sleeve and hump hose and tighten the clamps.
13. Press the breather hose onto the crankcase and onto the volant air duct.
14. Replace the o-ring on the MAF sensor and attach the MAF using the screws provided.
15. Attach the coolant bottle bracket to the fender using the factory bolt.
16. Apply the rubber bumper to the volant bracket and attach the bracket to the volant box so it makes contact with the coolant bottle to help support the load
17. Attach the coolant hose to the volant bottle and refill the bottle.
18. Reinstall 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.

**RECOMMENDED SERVICE PARTS**

RECOMMENDED SERVICE PARTS	PART NO.
POWERCORE FILTER UPGRADE	61503
REPLACEMENT FILTER	5144
PREFILTER	51905
CLEANING KIT	5100

**APPLICATION GUIDE**

MY	MAKE	MODEL	ENG.
09-10	FORD	F-150/STRIGHT THROTTLE BODY	4.6L

**INSTALL**

VOLANT COOL AIR INTAKES  
 PART NO.: 19146  
 INSTALLATION INSTRUCTIONS  
 WWW.VOLANT.COM  
 TECH SUPPORT: (909) 481-3888

19146 PARTS LIST		1	2	3	4
1	VOLANT FILTER BOX	3 1/2" X 3" HUMP HOSE	1/4"-20 BOLTS	1/4" RUBBER WASHERS	1/4"-20 TRUSS HEAD SCREWS
1	VOLANT FILTER BOX LID	3/8" BOLTS	1/4" WASHERS	STAINLESS STEEL SCREWS	
1	VOLANT AIR DUCT	1/4" WASHERS	3/8" WASHERS	MAF SENSOR GASKET	
1	VOLANT FILTER BOX ADAPTER	1/4" LOCK WASHERS	1/4" LOCK WASHERS	VOLANT BRACKET	
1	RAM FILTER W/CLAMP	3/8" LOCK WASHERS	1/2" X 21" BREATHING HOSE	VOLANT BRACKET	
4	#056 CLAMPS	1/2" NPT STRAIGHT FITTINGS	1/4"-20 NUT	VOLANT WATER RESERVOIR	
1	3 1/2" X 3" SLEEVE				

TOP VIEW

