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INSTALLATION INSTRUCTIONS  
**PART NO.**  
**17540**

TOOLS NEEDED FOR INSTALL:

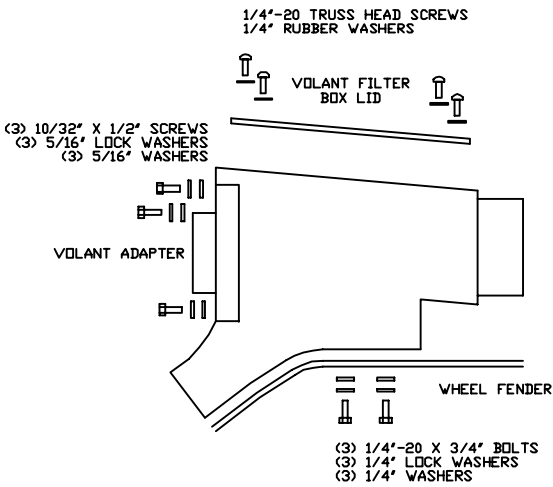
1. FLATHEAD SCREWDRIVER
2. 10 MM SOCKET
3. RATCHET
4. 13 MM SOCKET
5. 7/16" SOCKET

17540 PARTS LIST

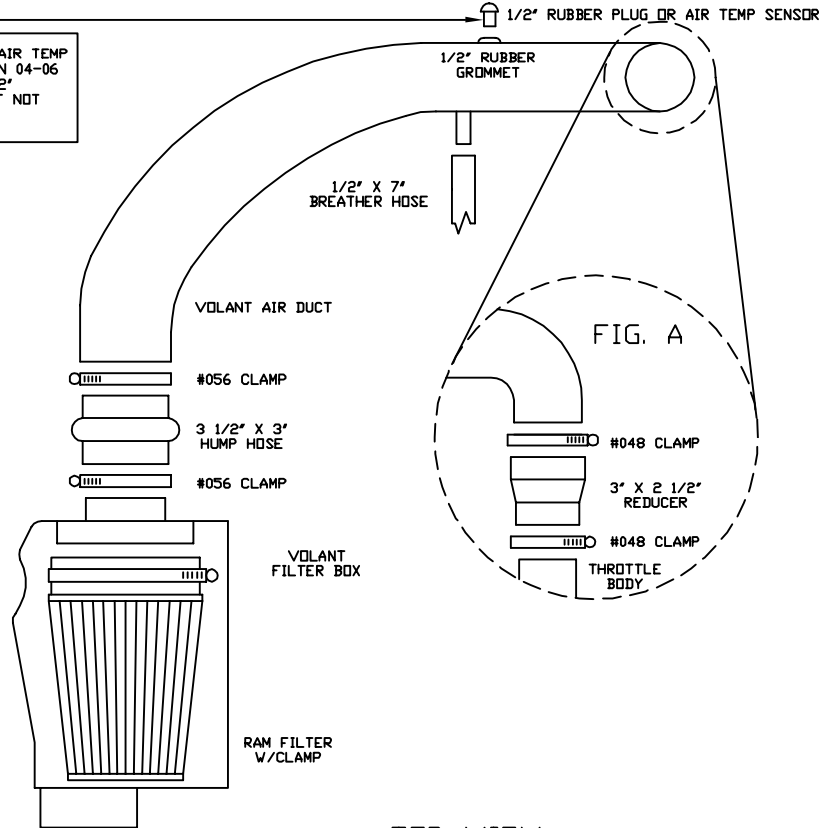
1	VOLANT FILTER BOX	1	3" X 2 1/2" REDUCER	4	1/4" RUBBER WASHERS
1	VOLANT FILTER BOX LID	1	3 1/2" X 3" HUMP HOSE	3	5/16" WASHERS
1	VOLANT AIR DUCT	3	1/4"-20 X 3/4" BOLTS	3	1/4" WASHERS
1	VOLANT ADAPTER	3	10/32" X 1/2" SCREWS	1	1/2" RUBBER GROMMET
1	RAM FILTER W/CLAMP	4	1/4"-20 TRUSS HEAD SCREWS	1	1/2" RUBBER PLUG
2	#048 CLAMPS	3	1/4" LOCK WASHERS		
2	#056 CLAMPS	3	5/16" LOCK WASHERS		



NOTE: INSTALL AIR TEMP SENSOR ONLY ON 04-06 MODELS. USE 1/2" RUBBER PLUG IF NOT APPLICABLE.



SIDE VIEW



TOP VIEW

APPLICATION GUIDE PART NO. 17540

MY	MAKE	MODEL	ENG.
1997-2006	JEEP	WRANGLER	4.0L

RECOMMENDED SERVICE PART NUMBERS

VOLANT REPLACEMENT FILTER	5120
AIR FILTER CLEANER KIT	5100

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



1. Disconnect the (-) battery post. Remove 8 mm bolt with 13 mm socket from the support rod that attaches to the radiator core support.



2. Loosen both clamps from the stock air duct with 5/16 socket or flat head screwdriver.



3. Disconnect the stock breather hose from valve cover and stock air duct.



4. In 04-06 models, disconnect plug from air temp sensor. Loosen clamp and remove the stock air duct from the engine compartment.



5. Remove the three nuts that bolt the stock air box to the passenger fender with a 10 mm socket.



6. Once the nuts are removed from the passenger fender, remove the stock air box from the engine compartment.



7. Connect the reducer onto the small opening of the Volant air duct and clamp the reducer onto the Volant duct with the #048 clamp provided.



8. Install the Volant air duct with the reducer on the engines throttle body and with the #040 clamp snug the reducer onto the throttle body. (DO NOT TIGHTEN THE CLAMP.)



9. Place the Volant Filter Box in preexisting location of the stock box. Attach the Volant Filter Box with the (2) ¼" bolts, (2) ¼" washers and (2) ¼" lock washers provided.



10. Fasten the Volant Filter Box onto the passenger fender with a 7/16 socket or open wrench.



11. 04-06 Remove the air temperature sensor from the stock air duct. Reinsert the sensor into the Volant ½ rubber grommet located on the back side of the duct. Reconnect the air temperature to the engines wire harness plug.



12. Connect the Volant Air Duct with 3 1/2" Hump Hose to the Volant Filter Box. Tighten the #056 clamps on both ends of the 3 ½" X 3" hump hose with a 5/16 socket or flat head screwdriver.



13. Once the Volant Air Duct is aligned with the Volant Air Box and the throttle body clamp down on the both clamps that is on the reducer.



14. Insert the Volant Filter in the Volant Air Box and clamp it down onto the Volant Filter Adapter with the clamp provided.



15. Screw down the Volant Lid onto the Volant Filter Box using a Phillips screwdriver.



16. Reinstall the support rod with the stock 8 mm bolt.



17. Connect one end of the ½" X 7" breather hose to the molded fitting on the Volant Air Duct and the other end to the valve cover.



18. Reconnect the (-) battery post and make sure everything is secured and tightened.

**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.