



**IMPORTANT WARRANTY & INSTALLATION  
INSTRUCTIONS ATTACHED**

*Please Forward All Attached Information to Consumer  
Warranty Not Valid Unless Returned to VOLANT Performance*



**For Full-Color Installation Instructions, Please Visit:  
[VOLANT.COM](http://VOLANT.COM) and Search by Part Number**

Please be sure to review the enclosed instructions prior to beginning the installation process.  
If you have any questions about the enclosed parts, instructions or encounter a problem during installation:

**CALL VOLANT PERFORMANCE TECHNICAL ASSISTANCE AT 800.486.0999**

VOLANT PERFORMANCE | 140 BLAZE INDUSTRIAL PKWY, BEREA, OHIO 44017

Please take time to read and understand these installation instructions.

VOLANT recommends that the installation of this system be performed by a qualified service center or professional installer who has the necessary equipment, tools and experienced personnel. However, if you decide to perform this install the use of an additional person may be required.

**CAUTION:** Never work on a hot engine bay. Allow time for the vehicle to cool.

### Recommended Tools:

- Flathead Screwdriver
- Assorted Socket-Set
- Ratchet
- Ratchet Extension
- Philips Head Screwdriver
- Allen Wrench Assortment



*Please confirm that all parts are present according to the bill of materials before beginning the installation.*

If something is missing call Tech Support at 440.891.099 or Toll Free: 1.800.486.0999

#### Air Intake Bill of Materials

2	#48 Clamps	2	#56 Clamps	2	¼"-20 x ¾" Bolts
1	Silicone Reducer 2.5 x 3"	1	Hump Hose 3.5 x 3"	2	¼" Lock Washer
7"	Vacuum Hose ½"	1	½ Rubber Mushroom Plug	2	¼" x ¾" Flat Washers

#### PN 17540

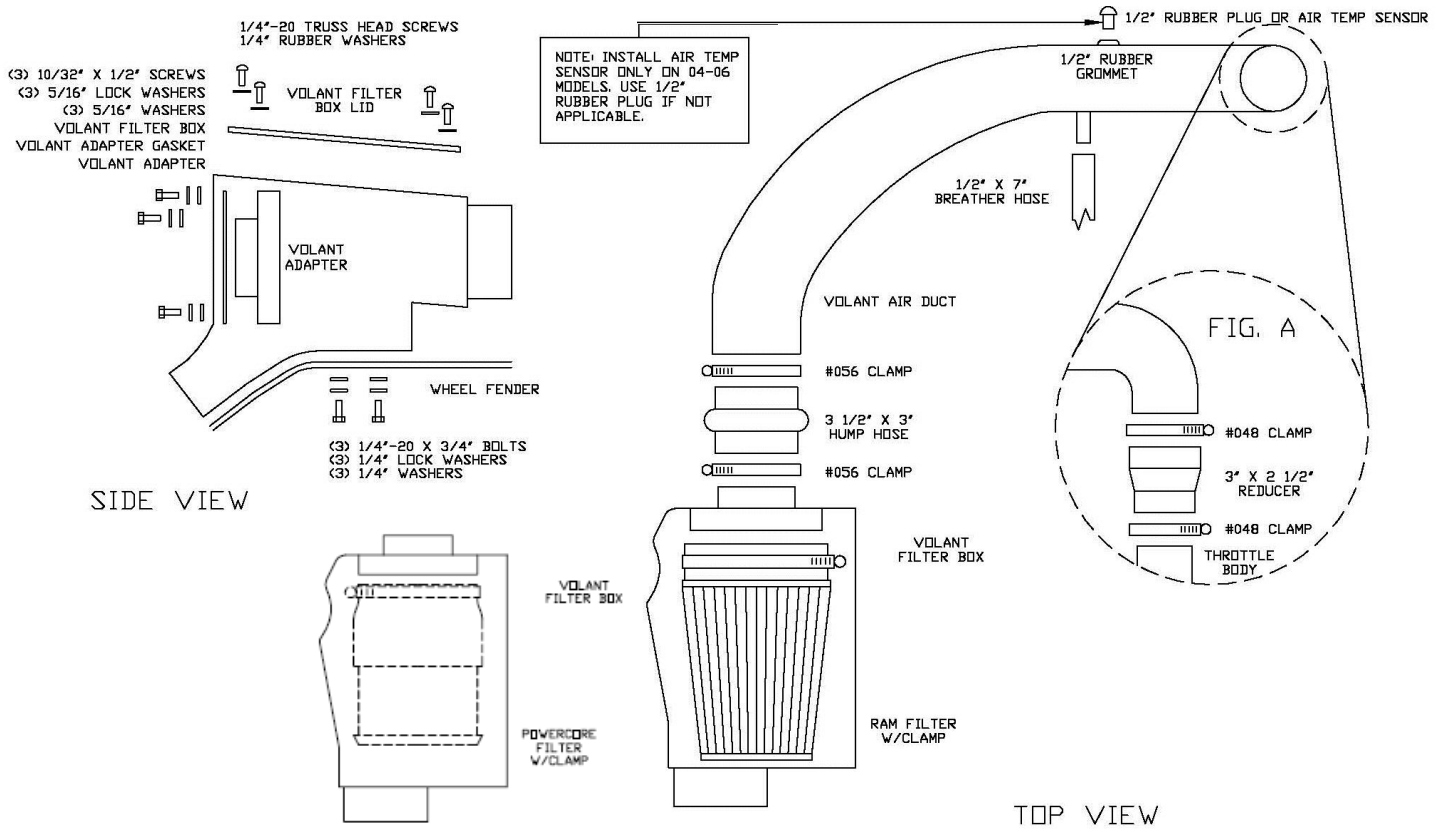
1		Pro-5 Oiled Filter #5120	1		PowerCore <sup>®</sup> Dry Filter #61513
1		CARB Decal EO #D-526-4	1		CARB Decal EO #D-526-8

#### Air Intake Preamsembled Materials

1	VOLANT Filter Box	1	VOLANT Air Duct	1	VOLANT Air Box Lid
1	Filter Adapter	1	½ Rubber Grommet	1	Lid Gasket
3	10/32" x ½" Screws			4	¼"-20 ½" Truss Head Screws
3	½" #10 Lock Washers			4	¼" Rubber Washers
3	½" #10 Washers				



**Snorkel Bill of Materials  
and Directions on Page 5**



*Locate your vehicle's battery and disconnect the negative battery cable.  
This may reset the computer and clear old air flow data to help prevent CEL errors.*

## Installation Instructions

1. 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.

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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.
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. In 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 fat 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. Reinstall the battery cable

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## 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, after a few heat cycles, for realignment and tightening of all connections.

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## CARE AND CLEANING

Check the Pro-5 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 a two stage cleaning kit to thoroughly clean and re-oil the filter. 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.

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**FOR REPLACEMENT FILTERS REFERENCE THE FILTER NUMBER ABOVE**  
**CALL 440-891-0999 OR TOLL FREE 1-800-486-0999**

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Snorkel Bill of Materials				
5	#48 Clamps	4"	2 1/4 x 36" Straight Sleeve	1 4.0 ID Nylon Cap
1	#64 Clamps	2"	3 1/4 x 36" Straight Sleeve	1 Fender Template
1	Snorkel Bracket	1	Screw Set 1/4 20 x 1.5L Cup Point	2 1/4"-20 x .625 Socket Button Screws
1	Nut 1/4 - 20 Hex	3	3/4" Flat Washers	2 3/4" Lock Washers

Snorkel Preassembled Materials					
1	Snorkel Top	1	Riser Duct	1	Down Pipe
1	Aluminum Cover	1	Oval Nameplate	1	Grommet Relief Valve
2	4mm x 10 Pan Head Screws	2	4mm x 10 Pan Head Screws		

PN 376401		PN 3764061	
1	 Pro-5 Oiled Filter #5120	1	 PowerCore <sup>®</sup> Dry Filter #61513
1	CARB Decal EO #D-526-4	1	CARB Decal EO #D-526-8



*Locate your vehicle's battery and disconnect the negative battery cable.  
This may reset the computer and clear old air flow data to help prevent CEL errors.*

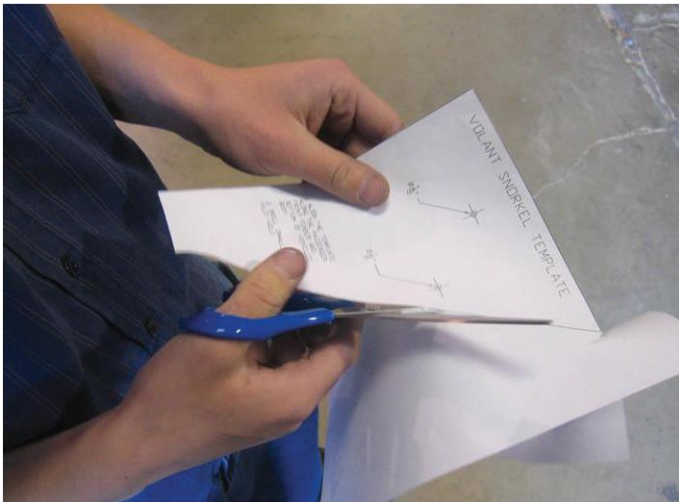
## Installation Instructions



1. Remove the two top counter sink bolts from the front windshield bracket with a torx key #40  
**Note:** In order to loosen the bolts, tap them lightly with a hammer to loosen the Loc tite.



2. Bolt the Volant Snorkel Bracket onto the windshield bracket using the stock counter sink bolts.



3. Cut out the template along the dotted line with a pair of scissors.



4. Align template along the side base of the jeep's passenger fender. Tape the template to the fender.

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## Installation Instructions



5. Mount the Volant Riser Duct to the Snorkel Bracket using the two 1/4"-20 Socket Button Screws and tighten with a 5/32" Allen key.



- 5a. **Verify Snorkel aligns to template. Move template as needed.**



6. Once the template is lined up and taped to the fender, drill two 1/8" pilot holes as noted on the template.



7. Remove the template from the fender. Drill a 3" hole with a hole saw on the top 1/8" pilot hole and a 3/8" hole with a drill bit on the lower pilot hole.

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## Installation Instructions



8. Insert the 3" opening of the Volant Riser Duct into the hole on the fender and into the sleeve. Clamp both ends of the sleeve with two #48 clamps using a 5/16" nut driver. With the 1/4" washer, lock washer and nut bolt the set screw to the vehicle from the inside of the fender and tighten with a 7/16" open wrench. **Note:** This will need two people.



9. Screw the 1/4" -20 set screw using a 1/8" Allen key to the molded insert on the right side of the opening of the Volant Riser Duct.



10. Place the 3" X 3" sleeve on the small opening of the Volant Down Pipe and the 3 1/4" X 2" sleeve on the other end of the short snorkel.

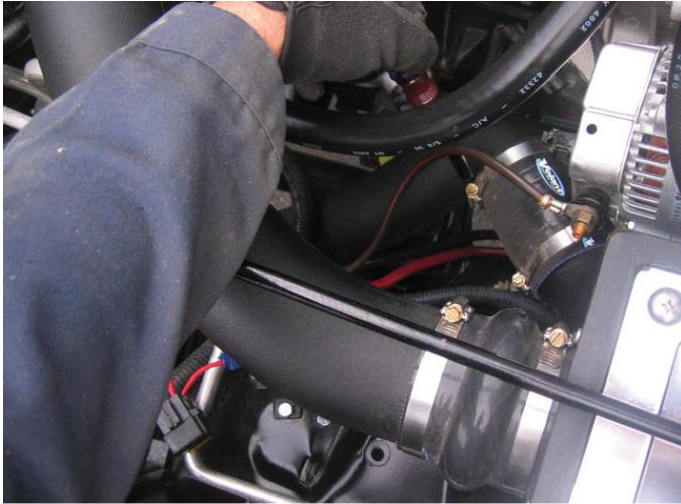


11. Attach the short snorkel onto the filter box by running it from underneath the vehicle and work your way up to the filter box and align the sleeve to the 3" hole on the fender.

**Continued on Next Page . . .**



## Installation Instructions



12. Clamp both ends of the 3" sleeve with two of the four #48 clamps to hold the Volant Down Pipe to the bottom of the filter box.



13. Once the Volant Snorkel is mounted and bolted on the vehicle place the Volant Scoop Top to the top of the Volant Riser Duct and clamp it down with a 5/16" nut driver

**Note:** Install the end cap along with the #064 clamp onto the Air Box when you intend to go off-roading. Leave the end cap off during highway use to increase air flow.

## BEFORE ROAD TESTING

4. Start engine, leaving the transmission in park and securing the parking brake.
5. Make sure to look and listen for any unusual noises or air leaks. Repair problems if needed.
6. Once completed it will be necessary to check periodically, after a few heat cycles, for realignment and tightening of all connections.