



POD 023 - VW MK5 VENTPOD™ INSTALLATION

This document outlines how to install a NewSouth Performance Mk5 VentPod kit¹. Please review this document before attempting your installation.

PARTS LIST:

Mk5 VentPod	Appropriate NoBuzz fitting for FSI, TFSI or TDI engine
NewSouth Performance Indigo Boost gauge	2 auto-tap electrical connectors
Rubber grommet	6' black nylon tubing
Rubber tubing, 2 – 2.5" lengths	

SUGGESTED TOOLS:

Metric wrenches or sockets	Utility or X-Acto type knife
Torx drivers (star-shaped)	Wire cutter or electrical crimping tool
Small flat-bladed screwdriver	Non-marring pry tool
0.375" Drill bit and drill	"Dremel" cutting tool or hack saw



LIMITED WARRANTY

NewSouth Performance LLC warrants these products against defects in workmanship and materials for 12 months. This warranty applies to products exposed to normal use or service and does not apply to a product used for a purpose for which it is not intended or a product that has been modified in any way that would be detrimental to the performance or life of the products. No warranty whatsoever will be valid if the defect was caused by customer's abuse, negligence, mishandling, misapplication, by accident, or in use in motorsports or racing. This warranty applies to the original retail purchaser and is not transferable. On any product found to be defective after examination by NewSouth Performance, LLC, NewSouth Performance, LLC will repair or replace the product through the original selling dealer or directly to the retail customer. The customer is responsible for all shipping and handling fees. No labor, diagnosis, loss of time or vehicle use, or inconvenience may be included in any warranty claims. In no event will NewSouth Performance, LLC be liable for any special, incidental, or consequential damages or expenses resulting from possession, use or malfunction of this NewSouth Performance, LLC product. All warranties are void unless installed by a certified automobile mechanic. This warranty is valid only in the United States and Canada.

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1. This document is not warranted to include all steps to install the VentPod kit. It is a guideline only and the customer or installer assumes all risk in using this document to install this product or others similar to it.

INSTALLATION INSTRUCTIONS

Use appropriate safety precautions at all times. Make sure car is securely parked and on a level surface. Remove negative terminal of battery when working with electricity.

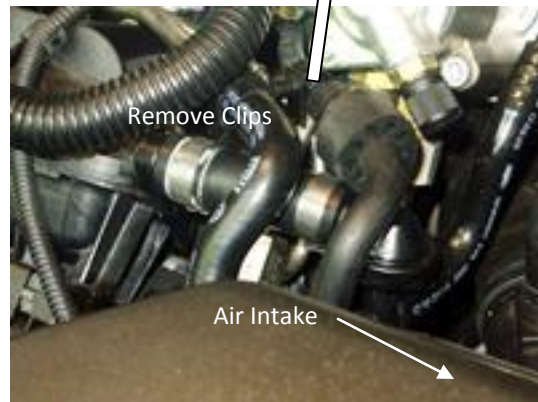
2.0 FSI Engine (2006-2008)

Remove Engine Cover

1. Disconnect the air intake hose with Torx driver
2. Disconnect MAF wiring harness and metal clips
3. Firmly pull cover upwards to remove cover. Reinsert any of the 4 rubber grommets that come loose from the cover. Set cover aside.

Install T-fitting for 2.0FSI Engine

1. Locate the indicated OEM rubber line. Cut off one-time use clamps and remove rubber line.
2. Install NoBuzz T-fitting **DO NOT PRESS SIDEWAYS ON BARB OR USE IT FOR LEVERAGE.** Install and tighten one clamp on each side of fitting.
3. Rotate fitting so that barb points toward firewall and insure hoses are fully seated on engine barbs.



2.0 TFSI Engine

1. Remove Engine Cover -Pull up each side to release pegs
2. Use a self tapping screw to puncture small hole in the end of the unused intake manifold port in front of engine. (See arrow)
3. Install NoBuzz fitting in one end of large rubber hose, use worm gear to secure. **DO NOT USE NIPPLE FOR LEVERAGE.**
4. Install the large rubber hose on port, use other worm gear clamp to secure.
5. Use the small rubber line to attach boost tubing to nipple.

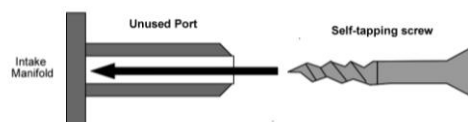


VW 2.0 TSI MultiTap Hose

1. Remove engine cover as described above
2. Unclip existing hose
3. Replace with MultiTap Hose

TDI engine

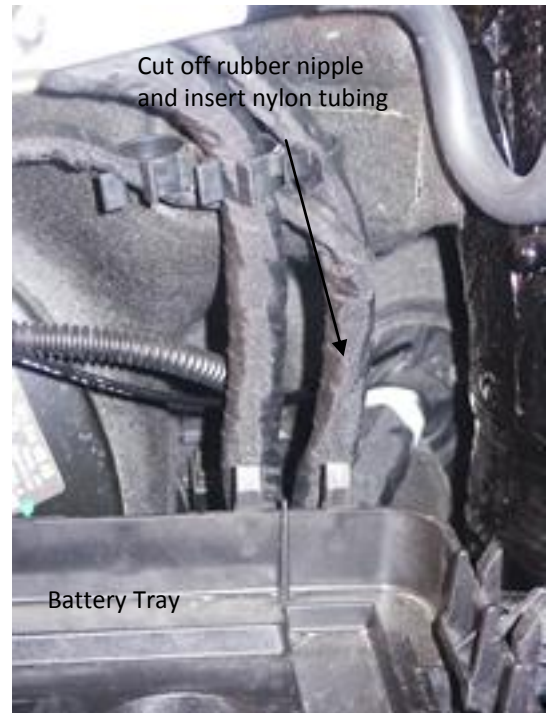
1. Remove intercooler pipe
2. Drill and tap 1/8" NPT hole and install TDI NoBuzz fitting



Use self-tapping screw to pierce inside wall of port

Boost hose routing

1. Insert nylon tubing at least ½" into one of the 2.5" pieces of small rubber tubing. Push tubing onto T-fitting or barb.
2. Remove battery from car. Remove sides of battery housing – pressing clips on each side.
3. Look for main wiring harness where it comes through firewall. Cut off rubber nipple and thread nylon tubing through hole into passenger compartment.
4. Zip tie nylon tubing in place.
5. Reinstall battery, engine cover and MAF harness(on gas engines). Use soapy solution on engine cover grommets to ease installation on pegs.



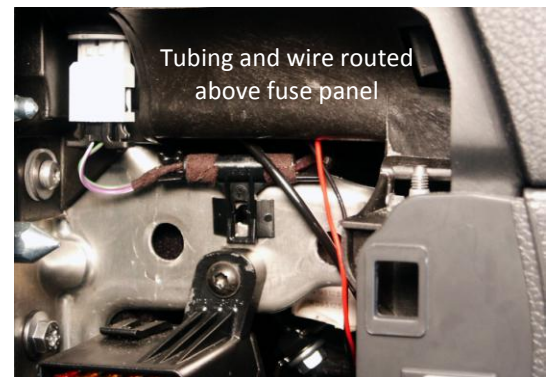
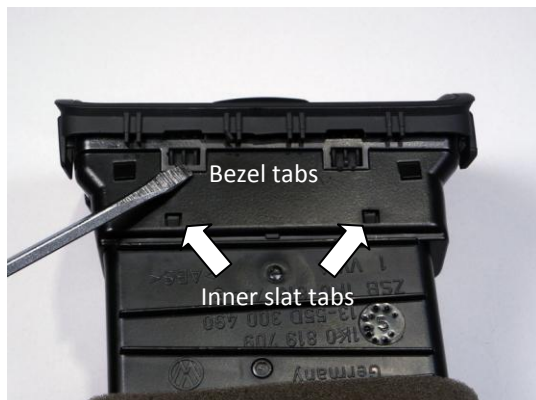
Vent Assembly Removal

1. Remove driver's side fuse panel cover – use notch
2. Remove driver's side vent module by prying out vent with non-marring tool and pushing vent forward from area above fuse panel
3. Locate nylon tubing and pull through to opening above fuse panel



Vent Bezel and Inner Slats Removal

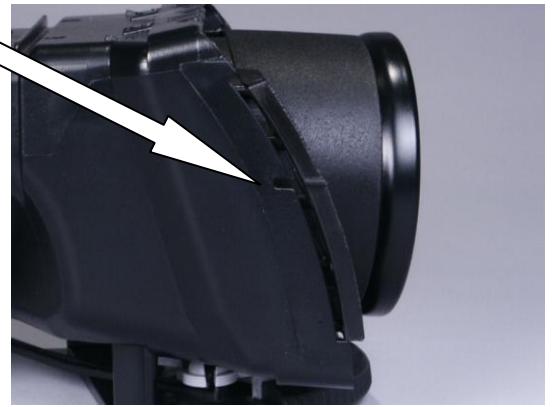
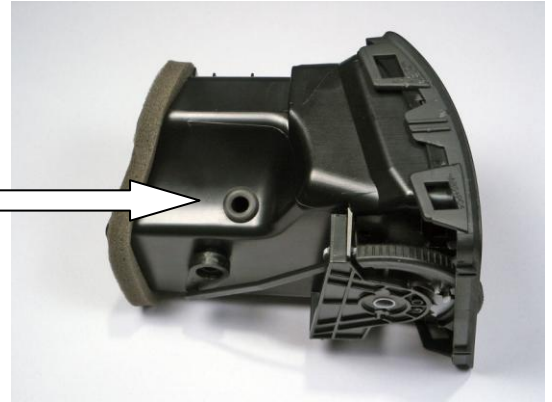
1. Remove vent bezel by pushing down both tabs on top of vent module with small screwdriver – repeat on bottom side of vent assembly
2. Remove front inner slats by pulling them forward
3. Remove rear inner slats by pulling forward and pushing down smaller tabs on vent module (see arrow below)



VentPod Installation

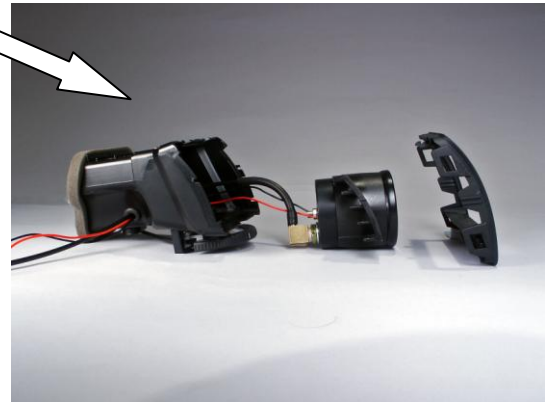
With our NoBracket™ system in our VentPod, you WILL NOT NEED the mounting bracket that comes with the gauge to hold the gauge in place

1. Drill a .375" (3/8") hole for the tubing and wires in the lower side of the vent assembly. Install grommet.
2. Push gauge 3/4rds of the way into VentPod.
3. Run wiring through grommet
4. Run boost tubing through grommet and attach to gauge barb with other 2.5" piece of rubber tubing. Insert nylon tubing at least 1/2" into rubber tubing.
5. Align VentPod side notches with vent assembly side notches.
6. Reinstall vent bezel
7. Push completed vent assembly back into place.
8. Check for proper alignment of boost gauge and rotate into desired position. Push gauge fully into VentPod
9. Pull wiring and tubing through grommet. Make sure the boost tubing and wiring is not kinked or bent.
10. **TEST FOR LEAKS.** You should see approximately 20 in hg (+- 10%) vacuum at idle. Any less, check for leaks, kinks, or pinched boost lines.



Notes

1. For a gauge that has a 90° barb, the barb should be pointing straight up
2. To allow total movement of ON/OFF vent flap, the gauge mounting studs may need to be cut off using a cutoff tool or a hacksaw.



Wiring Boost Gauge

1. Remove headlight switch. Press in and rotate right. Unclip harness. Remove Torx screw.
2. Remove remaining Torx screws to remove lower dash panel with interior dimmer switch.
3. Use autotap connectors to attach Indigo gauge red wire to solid gray wire (position 8 of connector) and black wire to brown wire (position 3 of connector).

Reinstall all panels to complete installation

Congratulations, you are finished with the installation of your NewSouth Performance VentPod kit!



Push headlight switch in, rotate to 12 o'clock and remove