



MK5/EOS/B6/A3 TURBOPOD™ INSTALLATION

This document outlines how to install a NewSouth Performance Mk5/EOS/B6 TurboPod kit¹. Please review this document before attempting your installation.

PARTS LIST:

Mk5/EOS, Audi B6 or Audi A3 ColumnPod
90° brass female elbow with barb connector
Black rubber boot
Rubber tubing – 2 - 5" lengths
Indigo, Spectrum or VDO boost gauge
6' black nylon tubing

NoBuzz T-fitting
2 – hose clamps
2 auto-tap electrical connectors
2 – 3' electrical wire (for VDO gauge)
4 nylon zip ties
TriLED bulb (for VDO gauge only)
2 electrical flag connectors (for VDO gauge)

SUGGESTED TOOLS:

Metric wrenches or sockets
Torx drivers (star-shaped)
Small flat-bladed screwdriver
Wire cutter or electrical crimping tool
Utility or X-Acto type knife
Double-sided foam tape – 3M acrylic automotive tape recommended
Teflon tape



1. This document is not warranted to include all steps to install the TurboPod 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 positive terminal of battery when working with electricity.

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.



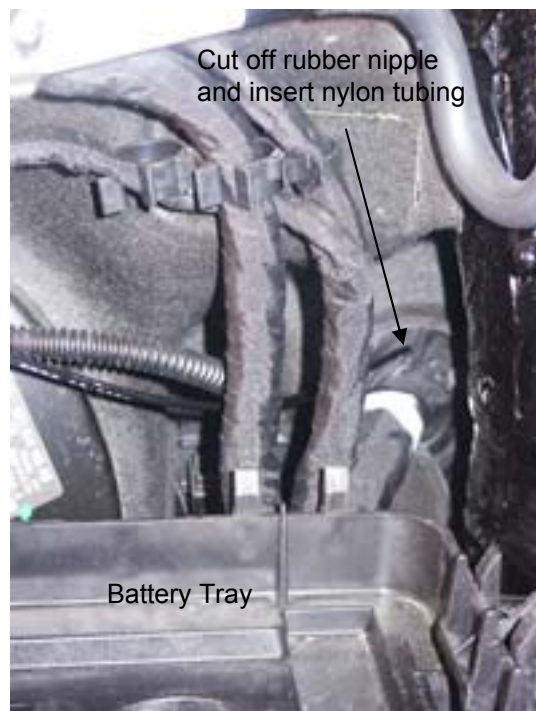
Install T-fitting

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.



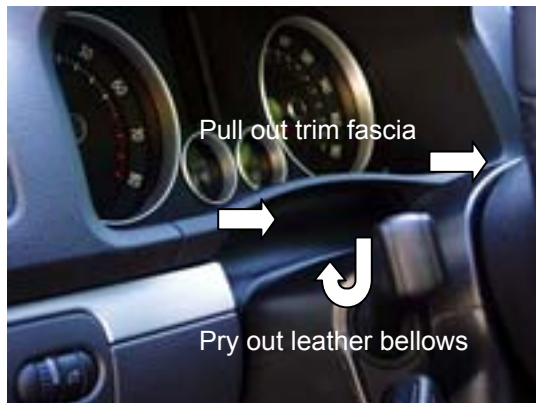
Nylon hose routing

1. Insert nylon tubing at least 1/2" into one of the 5" pieces of small rubber tubing. Push tubing onto T-fitting 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. Use soapy solution on engine cover grommets to ease installation on pegs.



Steering Column Installation

1. Lower steering column and pull outwards as far as possible
2. Remove trim fascia – pull straight outwards.
3. Remove leather bellows pieces from steering column by prying gently upwards with steering column. It is held on by a strip with 4 nipples.
4. Locate nylon tubing and pull through.

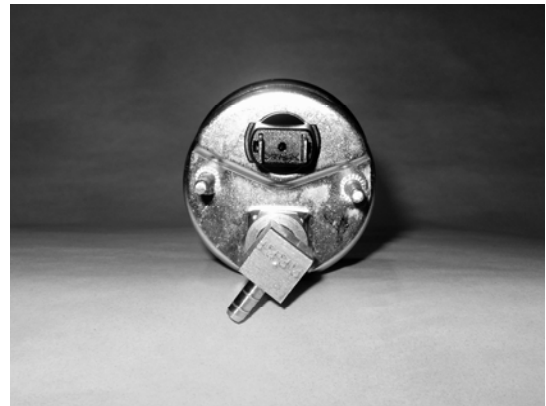


For Hidden Tubing and Wiring

1. On the leather trim piece, gently pry away leather from plastic strip where gauge pod tunnel will touch leather bellows.
2. Cut a small piece ~1" out of the bottom bellows plastic trim piece and sand the edges smooth

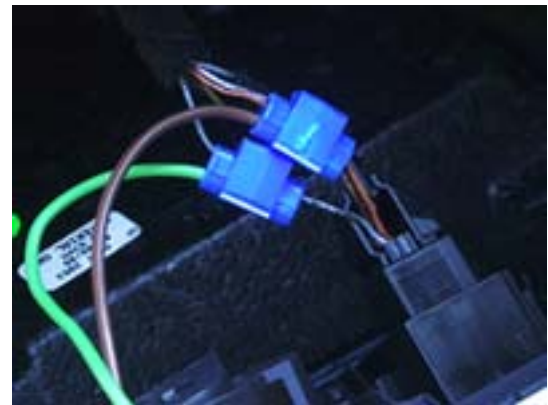
Boost Gauge Installation

1. Thread the 90° brass female elbow on to the boost gauge at least 2 full rotations. Teflon tape can be used to get a proper seal on the fitting.
2. Looking at the back of the gauge tighten the elbow so that the barb is in the 2, 5, 7 or 11 o'clock position.
3. Cut nylon tubing to length.
4. Insert nylon tubing at least 1/2" into rubber tubing.
5. Push the rubber tubing on the barb so that it seats on the elbow.
6. **TEST FOR LEAKS.** You should see approximately 20 in hg (+- 10%) vacuum at idle. Any less, check for leaks, kinks, or pinched boost lines.



Wiring Boost Gauge

1. Remove left side fuse panel.
2. Remove headlight switch. Press in and rotate right. Unclip harness. Remove Torx screw.
3. Remove remaining Torx screws to remove panel with interior dimmer switch.
4. For Mk5/EOS - **Indigo** gauges– use autotap connectors to attach red wire to solid gray wire (position 8 of connector) and black wire to brown wire (position 3 of connector).
5. For VDO gauges - Use auto-tap connectors to attach wires to dimmer switch wiring harness.
 - a. attach included green wire to solid gray wire (position 8 of connector). Attach included brown wire to brown wire (position 3 of connector).
 - b. Route green and brown wires to steering column.. Cut wires to length and install flag connectors.
 - c. Remove light bulb holder from gauge, install LED. Attach flag connectors to bulb holder and test LED.
 - d. If LED does not light, rotate LED in holder or swap green and brown wires.
6. Audi A3 Wiring
 - a. Power – blue/grey wire in Position 6 of connector
 - b. Ground – brown wire in Position 5
7. Audi A4 B6/B7
 - a. Power – blue/grey wire
 - b. Ground to chassis
8. Reattach headlight switch to harness.

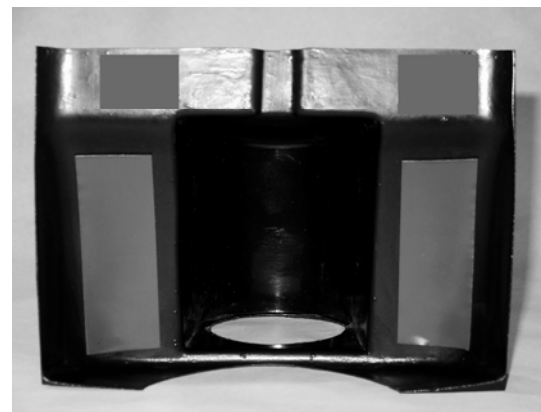


Install Gauge in Pod

1. Remove wiring and rubber tubing from gauge.
2. Press gauge in halfway.
3. Slide rubber boot halfway up gauge body.
4. Wire up gauge and re-test.
5. Align gauge as required and snug the rubber boot to the front of the gauge

Installing ColumnPod on Steering Column

1. Test fit pod on column – pod must fit flush on steering column and **must be pushed back far enough to clear the steering wheel.**
2. Reinstall leather bellows trim fascia piece.
3. Clean underside of pod and top of steering column to remove all dirt, oils and debris.
4. Install double-sided foam tape on underside of pod or sides per the manufacturers' instructions.
5. Remove liners from tape.





6. Install pod – making sure that wires and tubing are routed through rear tunnel if desired. Wires can be held in place in the channel with a piece of tape.
7. Reinstall interior dimmer trim panel, headlight switch and fuse panel.

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

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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