



## Installation Procedures

### 335i Vent Pod w/ Boost Gauge Installation Instructions

**This tutorial is provided as a courtesy by ECS Tuning.**

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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## **335i Vent Pod w/ Boost Gauge Installation Instructions**

### **Safety first!**

Safety Notice: When working with your vehicles electrical system; always disconnect the battery! Avoid shorting any circuits, or probing around wires. Failure to follow these safety precautions, and all others, could result in irreversible damage to your vehicles electrical system, failure to start, fire, and/or personal injury.

Before you undertake this installation, it is important that you read the following instructions! Listed below are the necessary tools and skills required to complete the job. If the installation of this product seems overwhelming, please contact a qualified installer in your area.

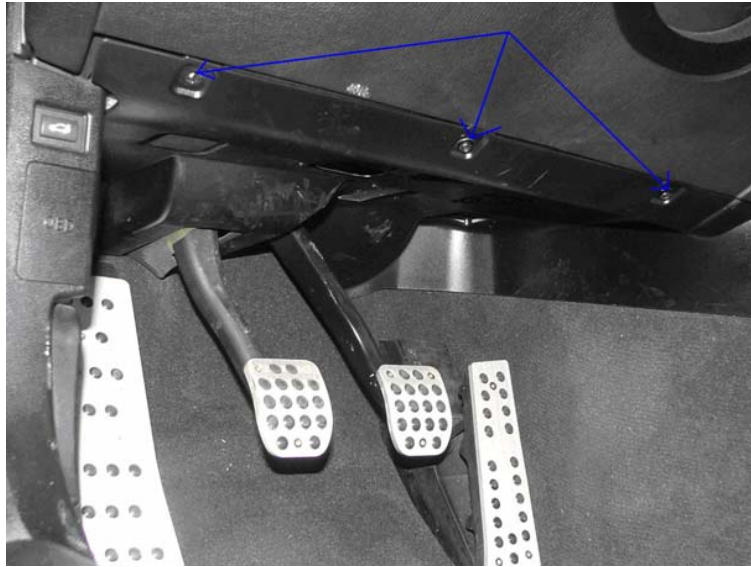
### **Tools Required:**

- Wire Cutters
- Wire Crimpers
- T20 Torx
- Flat Head Screwdriver
- Phillips Screwdriver
- Work Light
- Drill
- 3/8" Drill Bit
- 10mm Socket
- Ratchet
- Razor Blade or X-acto Knife

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To start, remove the driver's side lower dash panel by removing the three T-20 screws holding it in place.



The dash trim must also be removed, start from the passenger side and with steady pressure pull the trim straight back. Unplug the start/stop button, traction control, and hazard switches.



Set this piece aside for now.

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Remove the climate controls by pulling it outwards. Apply steady pressure and it will be released.



Unplug the two connectors on the back and set aside.



The trim around the radio is removed in the same way



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Remove the center console trim and gear selector boot by pulling upwards. This will allow access to the necessary harness.



At this point you will be able to remove the four Phillips screws holding the radio in place. Remove them and pull out the radio.



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Start under the hood by connecting the supplied vacuum line with the T-fitting to the vacuum line connected to the diverter valves on the driver's side of the vehicle.



Route the vacuum line through the engine bay zip tying along the way, be sure to stay away from any moving parts or sources of heat.



Here we chose to run the line though the boot surrounding the steering shaft. Use an x-acto knife or equivalent to make a slice through the boot into the passenger compartment. That's it for under the hood.

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Continue by routing the power harness for the gauge pod from where the vent pod will sit, behind the radio, climate controls, and under the lower ducts to the center console cigarette lighter harness. (Shown below) After that route the wires from the boost sensor from under the dashboard up following the same route as the power harness.



Make the power connections to the 3 wires leading to the cigarette lighter in the center console. Green and red to the yellow/green wire, white to blue/red, and black to brown.

After making the connections reinstall the center console, radio, climate controls and center console.

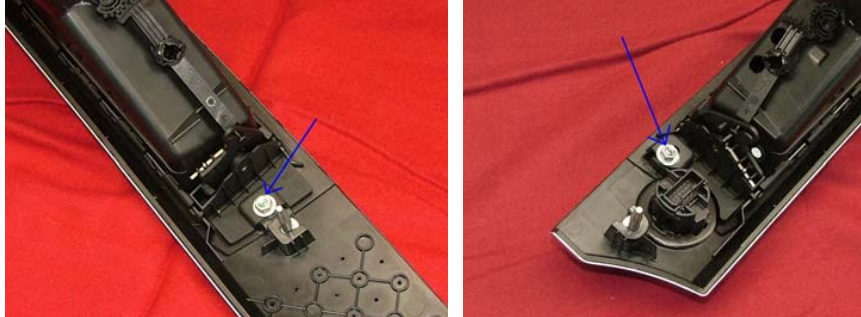
Wire tie the boost sensor and any extra wires neatly and securely under the dashboard and reinstall the lower dash panel.



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To disassemble the vent start by removing the nuts holding the vent to the trim panel and using a flat blade screwdriver release the tabs holding it to the trim panel.



Remove the damper control rods from both sides of the assembly and set aside.



Then release the tabs holding the front surround with a small flat blade screwdriver.





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Then remove the existing vertical and horizontal louvers from the vent assembly.



Drill (2) 3/8" holes in the side of the vent assembly to allow the new wire harnesses to pass through.



After that install the new vent pod and reassemble the vent and trim pieces back together. Replace the dash trim back into the vehicle making sure to re-connect all of the un-hooked switches. Then hook up the new gauge to the 2 harnesses and insert into the vent pod. Check for functionality and the install is complete. It may be necessary to wrap electrical tape or equivalent a few times around the new gauge to ensure a snug fit into the pod.



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