

2007-> E90, E92, E93 335i Vent Boost Gauge Kit

Congratulations on your purchase of a Vent Boost Gauge Kit for your BMW.

While the install is fairly straight forward, please review these instructions carefully before attempting installation. If you do not feel comfortable installing this kit on your own, contact a professional installer in your area.

Parts list:

- | | |
|-----------------------------------|------------------------------|
| 1 Preassembled vent and gauge pod | 1 T-fitting |
| 1 boost hose | 5 small zip ties |
| 1 sender unit with wiring harness | 1 medium zip tie |
| 1 gauge wiring harness | 3 wiring crimp tap connector |
| 1 noise filter | |

Step 1:

Remove lower dash panel by removing three T-20 screws and set it aside.

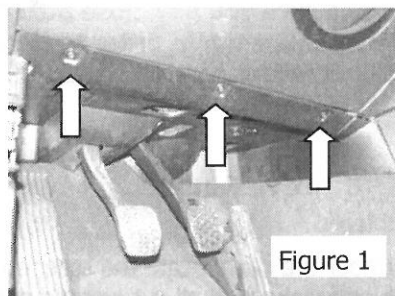


Figure 1

Step 2:

Remove aluminum vent trim panel by gently prying underneath the edges with a plastic wedge or similar tool. Pry towards yourself.

Once loose, unplug the temp, traction control, central locking, and hazard buttons and set the panel aside.

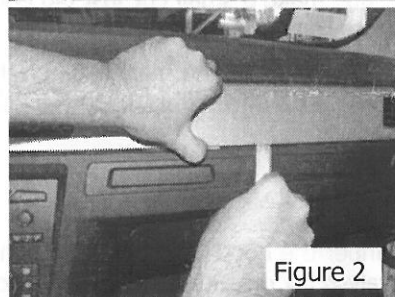


Figure 2

Step 3:

Remove climate control panel by gently prying toward you. Once removed, unplug the two connectors and set it aside.

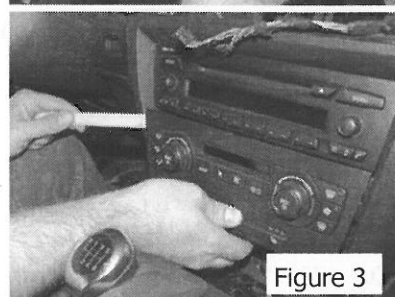


Figure 3

Step 4:

Remove the shifter boot and center console trim by gently pulling upwards, unplug the cigarette lighter harness and set the trim piece aside.

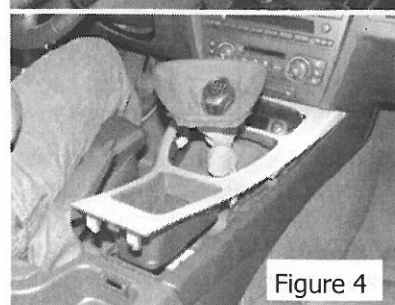


Figure 4

Step 5:

Route the end of the gauge harness WITHOUT the white plastic connector through the vent opening in the dash and down to cigarette lighter area.

Then with the supplied wire taps connect (Figure 6):

- 1) the red and green wires from the gauge harness to the green/yellow stripe wire in the car,
- 2) the black wire from the gauge harness to the brown wire in the car,
- 3) the white wire from the gauge harness to the blue/red stripe wire in the car.

Make sure you pay close attention to how the enclosed wire taps work in order to ensure no lighting or operational issues with the gauge.

Step 6:

Under the dash locate the steering shaft boot and with a razor blade make a small cut just big enough for the supplied silicone hose to pass through.

Route the supplied hose through the hole into the engine bay (some stiff wire attached to the hose may help).

Step 7:

Under the hood locate the vacuum line connected to the diverter valves (at driver side of air filter box).

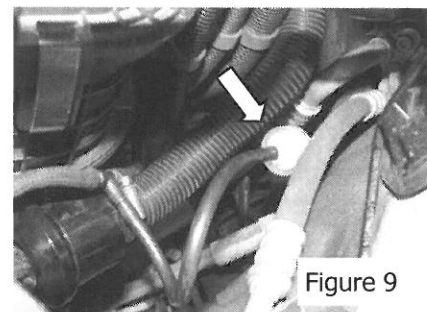
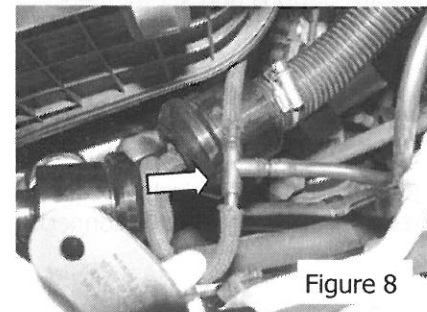
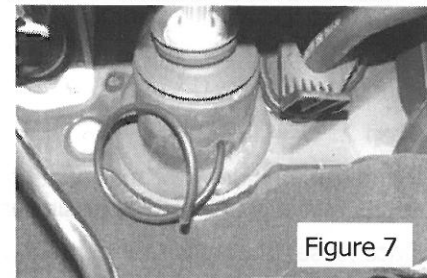
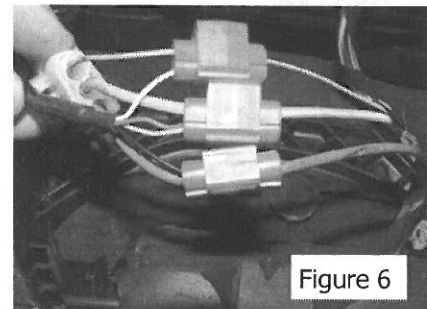
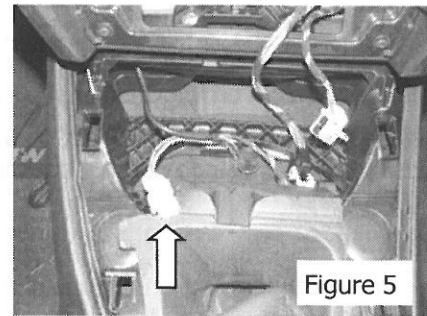
Using the supplied tee fitting, tap into the line before it branches off to the diverter valves.

Step 8:

Cut ~7" off the end of the silicone boost hose and splice in the enclosed noise filter (at arrow in Figure 9). Attach the other end of this piece of hose to the tee fitting.

Use the supplied zip ties to secure all hoses so that they are safe from any moving parts or extreme heat.

Back under the dash connect the hose to the enclosed boost sender and route the wiring from the sender up through the hole where the gauge will be placed in the dash. Secure the sender, any extra wiring, and silicone hose under the dash with the enclosed medium and small zip ties.



Step 9:

Start disassembly of the vent housing and panel assembly by removing the two nuts on each side of the vent housing that fasten it to the aluminum panel (at arrows in Figure 10).

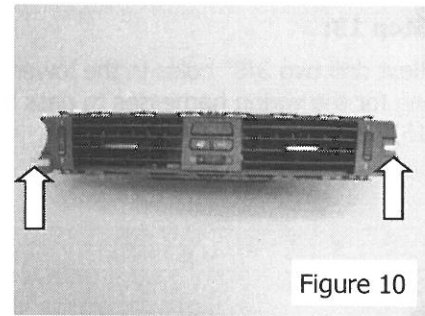


Figure 10

Next, with a flat blade screw driver, gently pry up on all of the clips surrounding the vent housing and remove it from the its plastic frame.

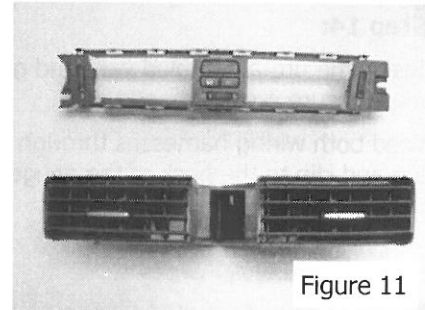


Figure 11

Step 10:

Remove the blend door rods and gears from both sides of the vent assembly.

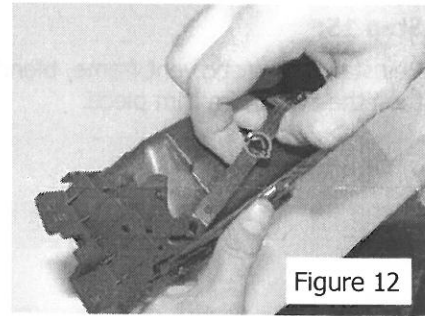


Figure 12

Step 11:

Then with the flat blade screw driver push down on all of the tabs holding the vent body to the vent face.

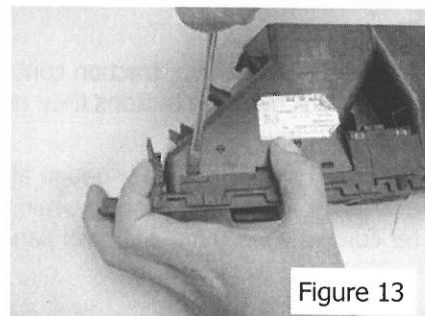


Figure 13

Step 12:

Remove both sets of vent slats from the driver side vent.

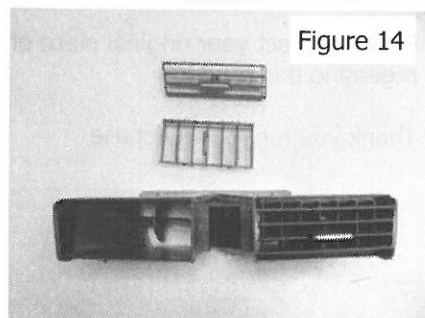


Figure 14

Step 13:

Next drill two 3/8" holes in the lower side of the drive vent housing for the wiring harnesses to pass through (at arrows in Figure 15).

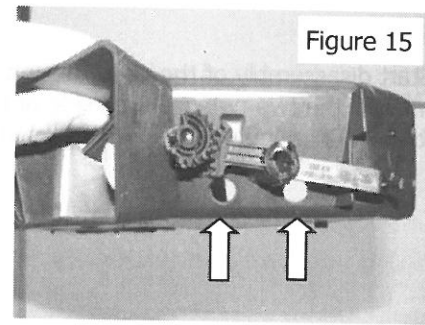


Figure 15

Step 14:

Insert the pre-assembled vent and gauge pod into the vent face, making sure it snaps in securely.

Feed both wiring harnesses through the drilled holes in the housing and clip to the back of the gauge. Clip the vent face back onto the vent housing.

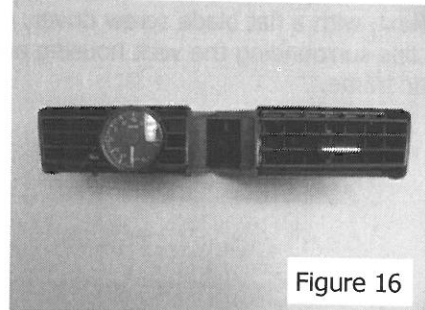


Figure 16

Step 15:

Reinstall the plastic vent frame, blend door rods and gears, and then the aluminum trim piece.

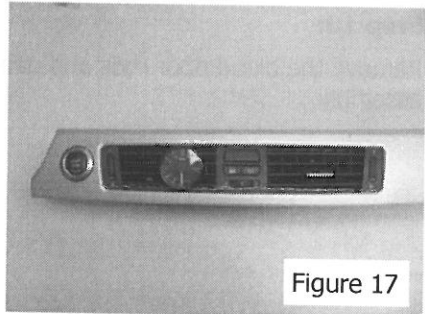


Figure 17

Step 16:

Finally, plug the temp, traction control, central locking, and hazard wiring back onto the buttons then reinstall vent assembly into the car.

Start the car and check for gauge and lighting functionality. If everything is working properly, reinstall the lower dash panel, center console, and climate control panels.

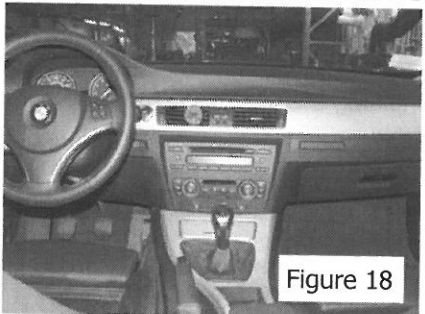


Figure 18

Please contact your original place of purchase for any technical or warranty questions you may have regarding this product.

Thank you for your purchase.