



# **SALEEN SPEEDLAB S331SC GAUGE POD KIT**



**INSTALLATION MANUAL: 2005-08 F150**

P/N: 10-8001-C17139A

**SALEEN**

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***IF YOU ARE NOT EXPERIENCED IN THE  
AREA OF AUTOMOTIVE MECHANICS, WE  
STRONGLY URGE THAT YOU REFER THIS  
INSTALLATION TO A CERTIFIED INSTALLER  
OR TECHNICIAN***



## **Saleen Speedlab S331SC Gauge Pod Kit**

### **Installation Guide for 2005-08 F150**

Thank you for buying the Saleen Speedlab S331SC Gauge Pod Kit for the 2005-08 F150. We appreciate your business, and we hope you enjoy your product.

For your benefit, please read the following instructions completely and thoroughly before attempting to install the S331SC Gauge Pod kit. Many questions we have received from customers about the installation of our products could have been easily solved by information listed in the accompanying installation guide. We want you to enjoy the product in its fully functional state, and reading this tutorial is a great first step to getting you on your way to a more rare and attractive F150.

Again, thank you for choosing Saleen!

**OBTAIN THE FOLLOWING TOOLS:**

- Razor blade
- Wire cutters & crimpers
- 7 mm socket, 1/4" drive
- 10 mm socket, 1/4" drive
- 1/4" drive ratchet

**OBTAIN THE FOLLOWING MATERIALS:**

- Electrical tape
- Black RTV silicone

### Order of Operations:

1. Remove the rubber plug from the engine room wall below EVAP purge valve (see Figure 1).
2. Cut an "X" in the center of the rubber plug (see Figure 2).
  - The size of the "X" must allow the engine room side of the gauge pod connector to pass through the rubber grommet
3. Route the engine room connector side of the gauge pod harness in through the dash tray opening and up behind the gauge cluster (see Figure 3).

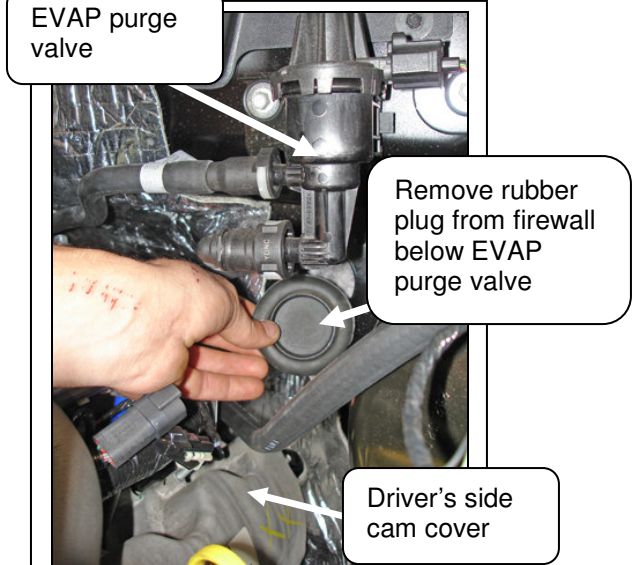


Figure 1

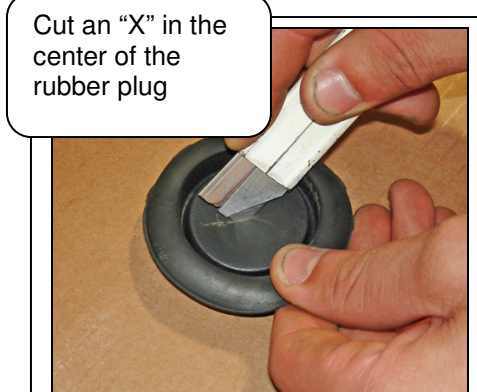


Figure 2



Figure 3

Route firewall connector side of gauge pod harness in through the dash tray opening and up behind gauge cluster

**CAUTION FOR STEP 4:** Make sure the newly installed gauge pod harness is routed so that it does NOT interfere with any surrounding vehicle components and mechanisms (e.g. steering column shaft, accelerator pedal assembly, HVAC control actuators/linkages, etc.).

4. Continue to route the gauge pod harness down behind the gauge cluster and towards the engine room wall hole (the hole that had the rubber plug in it). See Figure 4.
5. Route the gauge pod harness through the engine room wall hole next to the accelerator pedal assembly (see Figure 5).
6. Disconnect the wire harness from the LH side of the gauge cluster by moving the connector lock lever to the left (see Figure 6).

Continue to route the gauge pod harness down behind gauge cluster and towards the engine room wall hole (the hole that had the rubber plug in it)



Figure 4

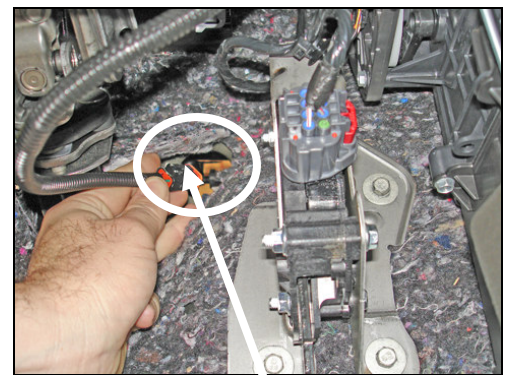


Figure 5

Route gauge pod harness through engine room wall hole next to the accelerator pedal assembly

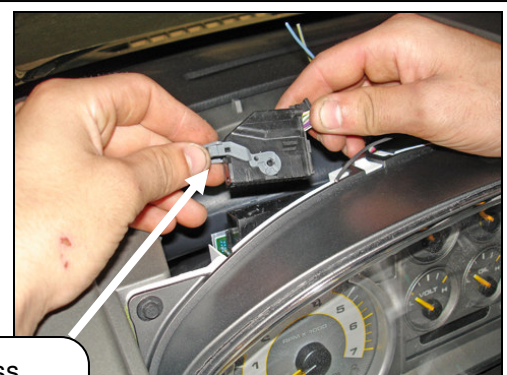


Figure 6

Disconnect the wire harness from the LH side of the gauge cluster by moving the connector lock lever to the left



7. Remove the electrical tape from the harness to a distance of about six inches behind the connector (see Figure 7).

**IMPORTANT NOTES FOR STEP 8 (BELOW):**

- There are several gauge cluster wires that are different shades of blue. Therefore, make sure the gauge pod wire color perfectly matches the gauge cluster wire color.
- Always twist wires together (where applicable) before inserting them into the butt connector (see Figure 8, detail view).
- Make sure the heat shrink tubing is centered over the butt connector and shrunk down with a suitable heat source

8. Splice the following wires (Figures 8 & 8a):

- Gauge pod blue/red wire (in parallel) with the gauge cluster blue/red wire
- Gauge pod black wire (in parallel) with the gauge cluster black wire
- Gauge pod gray/yellow wire (in parallel) with the gauge cluster gray/yellow wire

Remove the electrical tape from the harness to a distance of about six inches behind the connector

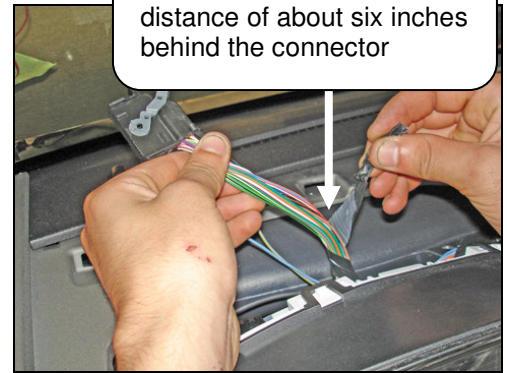


Figure 7

Always twist wires together (where applicable) before inserting into butt connector

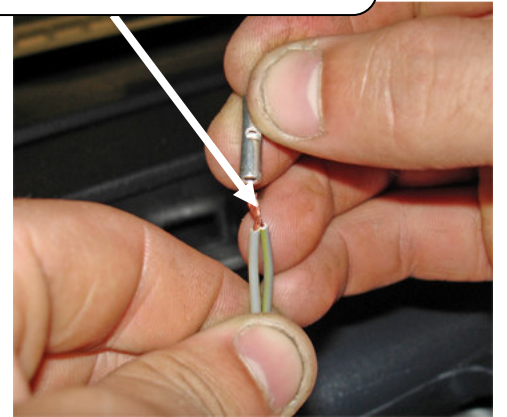


Figure 8a

Gauge cluster connector

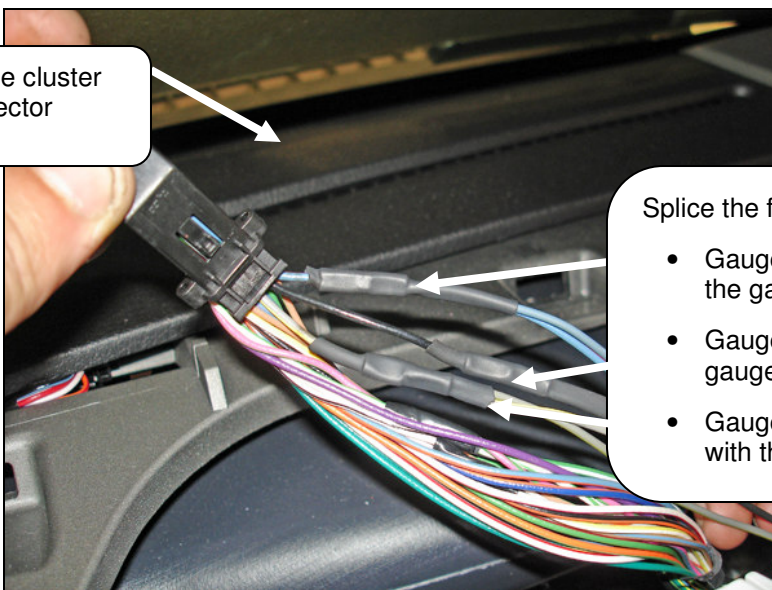


Figure 8

Splice the following wires:

- Gauge pod blue/red wire (in parallel) with the gauge cluster blue/red wire
- Gauge pod black wire (in parallel) with the gauge cluster black wire
- Gauge pod gray/yellow wire (in parallel) with the gauge cluster gray/yellow wire



9. Wrap the gauge cluster harness with electrical tape as shown (see Figure 9).
10. Secure the gauge pod end of the harness to the IP radio support structure with one tie wrap (see Figures 10 & 10a).
11. Connect the vehicle harness to the gauge pod ambient temperature sensor (see Figure 11).

Wrap gauge cluster harness with electrical tape as shown

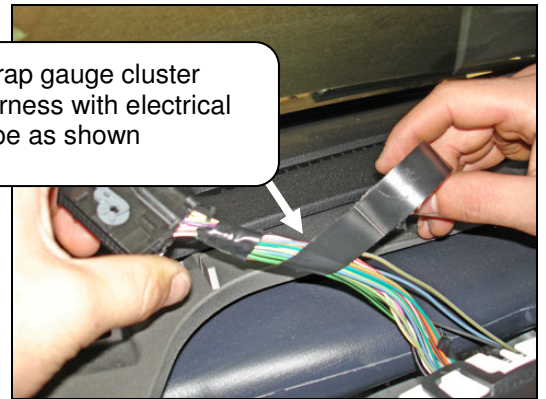


Figure 9

Secure gauge pod end of harness to IP radio support structure with one tie wrap

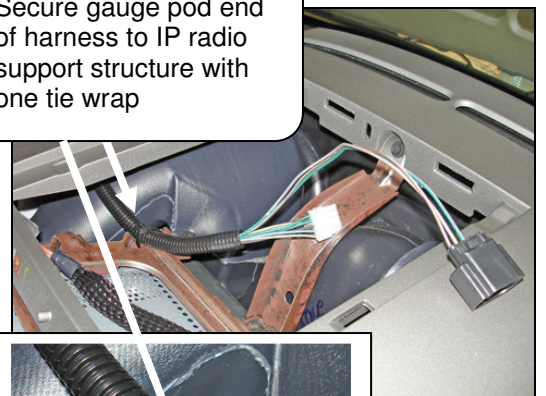


Figure 10



Figure 10a

Connect vehicle harness to gauge pod ambient temperature sensor

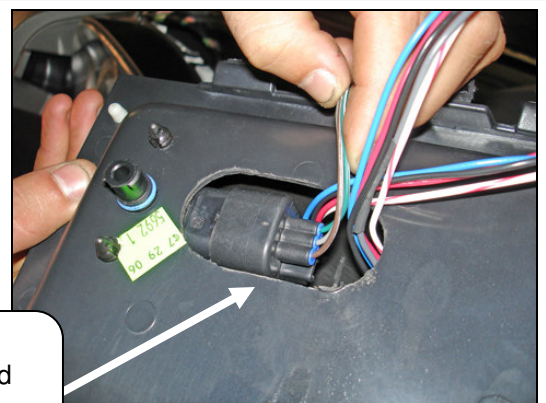


Figure 11

12. Connect both gauge pod white connectors to the mating gauge pod harness connectors (see Figure 12).
13. Re-connect the factory audio input jack connector to the gauge pod tray (see Figure 13).
14. Install the gauge pod to the IP with two 7mm original screws (see Figure 14).

Connect both gauge pod white connectors to the mating gauge pod harness connectors

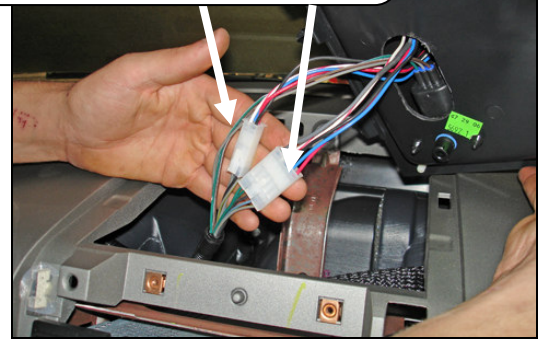


Figure 12

Re-connect the factory audio input jack connector to the gauge pod tray

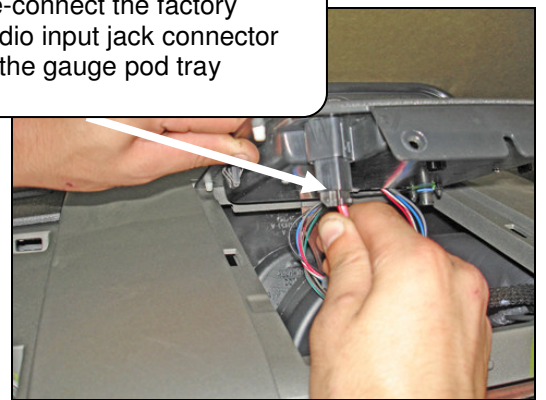


Figure 13

Install the gauge pod to the IP with two 7mm original screws

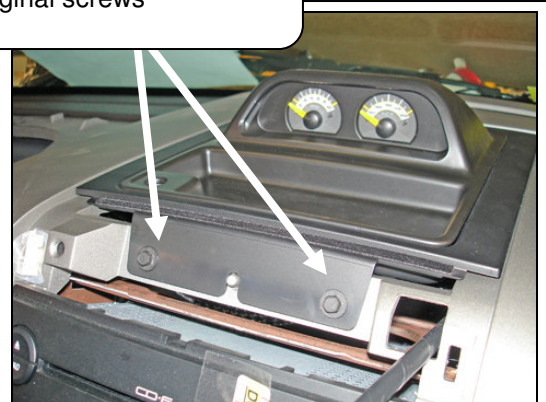


Figure 14

15. Install the rubber grommet onto the engine room side of the gauge pod harness (see Figure 15). Then re-install the rubber grommet into the engine room wall hole.
16. Connect the gauge pod harness to the TMAP harness and secure the gauge pod harness with one tie wrap (see Figure 16).
17. Apply Dow Corning black silicone #732 around the rubber grommet hole (see Figure 16).

**CAUTION FOR STEP 18:** Make sure the newly installed gauge pod harness is routed so that it does NOT interfere with any surrounding vehicle components and mechanisms (e.g. steering column shaft, accelerator pedal assembly, HVAC control actuators/linkages, etc.).

18. Go back inside the vehicle and secure the gauge pod harness to the existing vehicle harness above the steering column with one tie wrap.
19. Re-install the following original interior trim parts:
  - gauge cluster cover (two built-in clips at top and two 10mm bolts at bottom corners)
  - lower IP knee panel (two built-in clips at top)
  - center IP (waterfall) panel (built-in clips around perimeter)
  - ash tray and ash tray panel

Install the rubber grommet onto the engine room side of the gauge pod harness

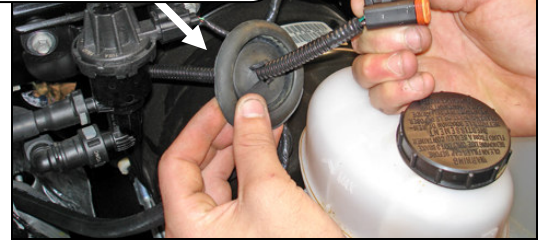


Figure 15

Connect the gauge pod harness to the TMAP harness and secure to vehicle harness with one tie wrap



Figure 16

Apply Dow Corning black silicone #732 around rubber grommet hole