



SALEEN SPEEDLAB GAUGE POD KIT



INSTALLATION MANUAL: 2005-09 Mustang 4.6L 3V

P/N: 10-8002-C13226A

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 Gauge Pod Kit Installation Guide for 2005-09 Mustang 4.6L 3V

Thank you for buying the Saleen Speedlab Gauge Pod Kit for the 2005-09 Mustang with the 4.6L 3-valve motor. 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 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 the first step to getting you on your way to a more rare and attractive Mustang.

Again, thank you for choosing Saleen!



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The following parts are included in this kit:

- Gauge pod with boost and air temperature gauges
- Gauge pod wiring harness

OBTAIN THE FOLLOWING TOOLS:

- Drill
- 1/8" bit
- Crimp Tool
- Wire stripper
- 7/8" wrench
- 12mm wrench
- 5/16" deep socket wrench
- 10 mm socket wrench
- Vice
- Philips head screwdriver, #2 drive
- Flat head screwdriver
- 7 mm nut driver
- wire dikes
- 1/4" drive ratchet
- 10 mm socket, 1/4" drive
- Flashlight
- Hose clamp pliers
- 90 degree drill
- 3/16" bit with drill stop
- "L" letter bit with drill stop
- 5/16 bit with drill stop
- 1" hole saw
- 1/2" wide electrical tape
- Torque seal
- 3M Automotive Adhesion Promoter (3M#06396)
- NON-VOC silicon sealant

I Interior Panel Removal

Obtain the following tools:

- Philips head screwdriver
- Flat head screwdriver
- 7 mm nut driver

Order of Operations:

1. Remove the shifter boot. See FIGURE 1.
2. Remove the two Phillips screws under the center armrest. See FIGURE 2.
3. Remove center console panel by pulling up at the front there are two clips. See FIGURE 3.
4. Remove both side panels by pull them straight back towards the rear of the vehicle. See FIGURE 4.

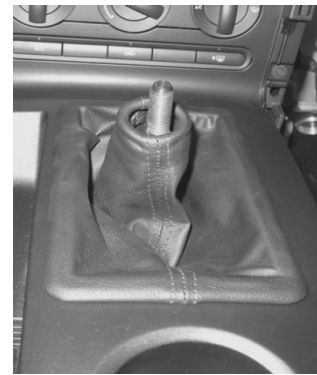


Figure 1

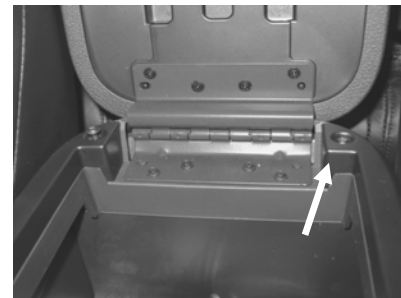


Figure 2



Figure 3



Figure 4

5. Remove the 6 bolts that hold the waterfall panel to the instrument panel. (FIGURE 5).
6. Remove the 3 electrically connectors on the top of the panel. Remove the two lower connectors, and remove panel. (FIGURES 6,7,8)
7. Remove the 4 glove box door bolts.
8. Remove the glove box. (FIGURE 9)
9. Remove the 4 radio screws and gently lay the radio down in the center waterfall.



Figure 5

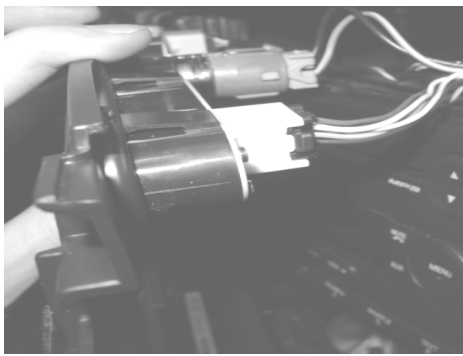


Figure 6



Figure 7



Figure 8

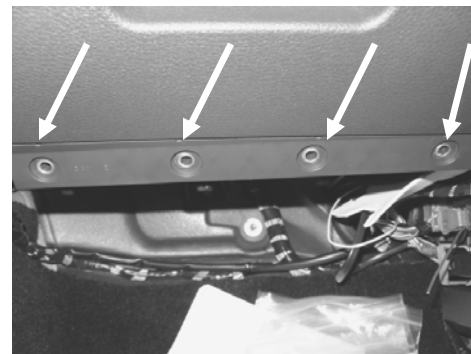


Figure 9

II ACT Connector Extension Harness Installation

Obtain the following tools:

- Wire cutters
- Solder & soldering iron
- Heat gun
- 10mm wrench

Order of Operations:

1. Disconnect the negative battery terminal.
2. Cut open 6in. of the convoluted sleeving from just behind the ACT connector; the ACT connector is plugged into the air inlet tube at the driver side front corner of the engine bay.
3. Make staggered cuts on the gray wire and the gray wire with red stripe which lead to the ACT connector. The cuts should be at least 2" apart from each other.
4. Slide a 1.5" long piece of heat shrink over each of the cut wires; place the heat shrink over the ends which lead to the intake manifold, not the stubs in the ACT connector.
5. Strip ½" of the plastic coating off each wire end on the ACT extension harness; strip the two wires that don't have anything on their ends.
6. Crimp an 18-gauge non-insulated butt connector over the ACT extension gray wire, and crimp the other end over the gray wire connected to the supercharger intake manifold. Repeat on the gray/red wire on the ACT extension harness, connecting it to the gray/red wire leading to the supercharger.
7. Place the two pieces of heat shrink over each crimped butt connector, and shrink the heat shrink over the butt connectors with a heat gun.
8. Place the wires back into the convoluted sleeving and tape the sleeving closed; leave the third gray wire, with the cylindrical black connector on the end, outside the sleeving; this connects to the gauge pod air temp wire.

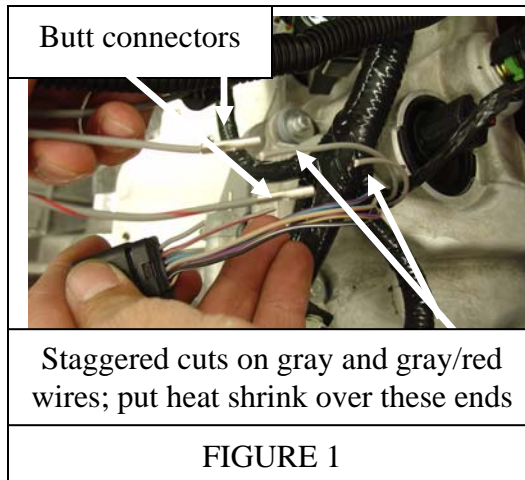


FIGURE 1

III Gauge Pod Wiring Harness Installation (part 1)

Obtain the following tools:

- Wire dikes
- NON-VOC silicon sealant

Order of Operations:

1. Remove the passenger wheel well liner. Using a pair of dikes, cut the very end of the rubber nipple on the grommet that is located at the back of the wheel well. Do not remove the entire nipple. (FIGURE 1)
2. With the passenger side kick panel removed, feed only the end of the harness with the two leads through the rubber nipple into the passenger foot well. (FIGURE 2)
3. Stop pulling the harness when you feel the middle section of the harness stop against the nipple. Using NON-VOC silicon, seal the harness and rubber nipple. (FIGURE 3)



Figure 1



Figure 2

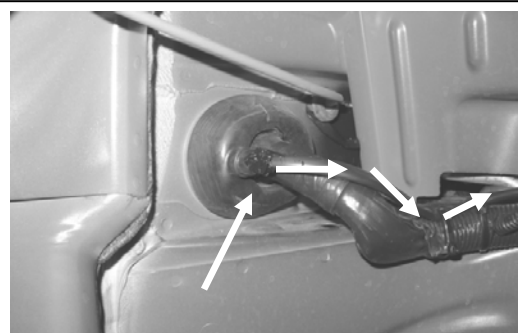


Figure 3

4. Route the harness along the stock Ford harness, and insert it into the engine bay where shown in FIGURE 4 (FIGURE 4 is a view of the back end of the front-passenger side wheel well).
5. With gauge pod wiring harness in engine bay, route the boost pressure wire as shown in FIGURE 5, and the air temp wire as shown in FIGURE 6. Make sure to zip tie the harness to the silver water tube (FIGURE 5).



Figure 4

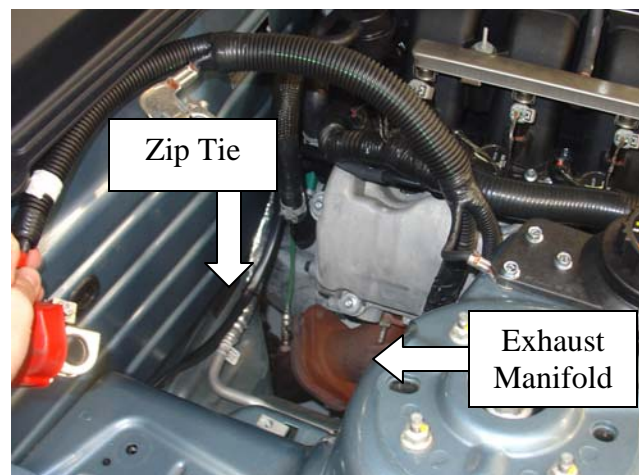


Figure 5

6. Route the air temperature wire behind the supercharger (Figure 6) to the driver's side fuel rail, as shown in FIGURE 7. Connect the wire end to the air temperature sensor as indicated in FIGURE 7.
7. Route the boost pressure wire along the stock harness near the passenger side fuel rail and connect the ring terminal onto the boost pressure sending unit on the passenger side front corner of the supercharger (FIGURE 8). There you will find a threaded plug, which you have to remove with an 11mm socket.
8. Using the Loctite thread sealant #30534 (with PTFE) on the threads of the boost gauge, insert the boost gauge into the threaded hole where the plug was and tighten with a 13mm wrench.
9. **Make sure to zip tie the gauge pod harness to the silver water tube as seen in FIGURE 5.** This is done to keep the wire away from the hot exhaust manifold.

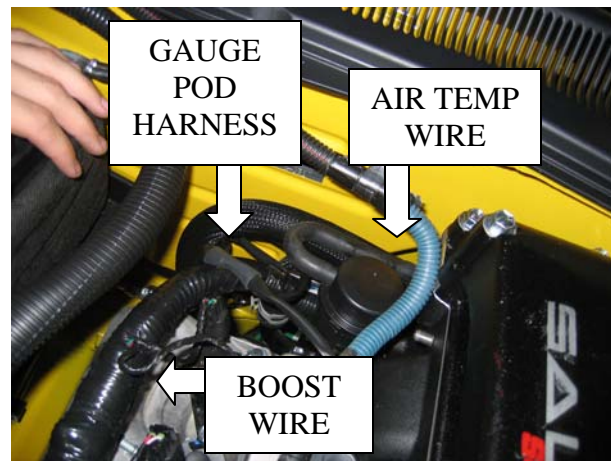


Figure 6

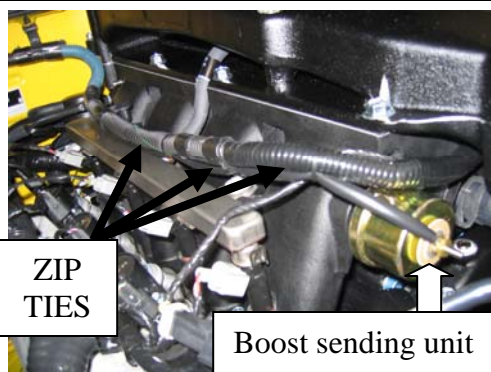


Figure 8

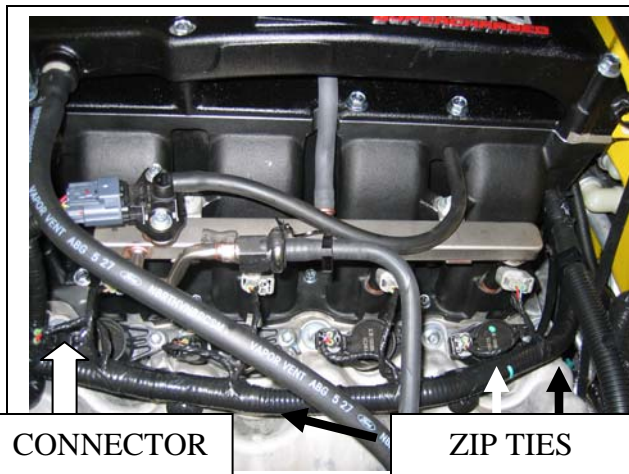
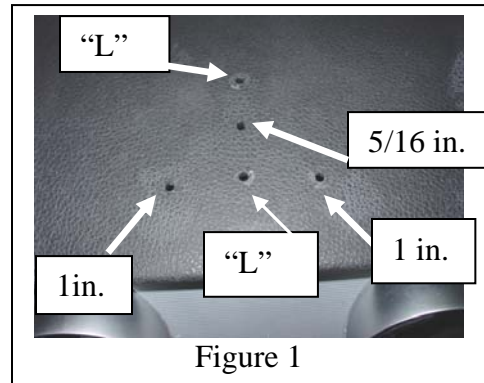


Figure 7

IV Gauge Pod Hole Drilling

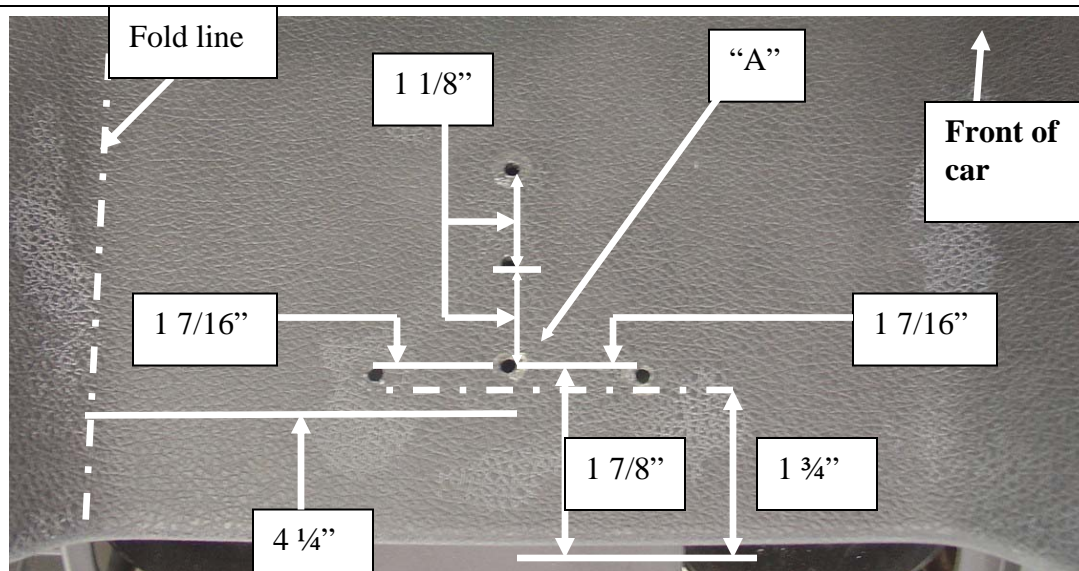
Obtain the Following Tools:

- 90 degree drill
- 3/16" bit with drill stop
- "L" letter bit with drill stop
- 5/16" bit with drill stop
- 1" hole saw



Order of Operations:

1. For hole "A" in FIGURE 2, measure 1 7/8" back from the trailing edge (the edge facing the rear of the car) of the dash. (FIGURE 1) From that line, measure 4 1/2" straight across from where the tape measure hits the driver side fold line noted in FIGURE 2 – hole "A" will be 4 1/2" to the right of the driver side groove. (FIGURE 1)
2. The two holes on either side of hole "A" are 1 7/16" away horizontally (straight towards the doors) and 1/8" farther towards the rear of the car (1 3/4" from the trailing edge of the dashboard). (FIGURE 1)
3. The hole in front of hole "A" is 1 1/8" further forward than hole "A." The hole that is farthest forward on the dashboard is 2 1/4" in front of hole "A."
4. Using a 3/16" drill bit that has a drill bit stop set for only 1/4" depth, and drill all five pilot holes (FIGURE 1).
5. Using the 5/16" and "L" drill bits with stops set for 1/4" depth, and the 1" hole saw, drill out holes to correct sizes as indicated in FIGURE 1. Don't drill too deep or you will damage the HVAC vents. Deburr all holes.



V Gauge Pod Wiring Harness Installation (part 2)

Order of Operations:

1. Route the end of the harness with the white zip tie leads along the very front end of the foot well, inside the interior, towards the radio and center console, as shown in FIGURES 1-3.
2. Route the harness as shown in FIGURE 4 ensuring that the harness is on the outside of the metal radio bracket. (FIGURE 5 is an overview)



Figure 1



Figure 2

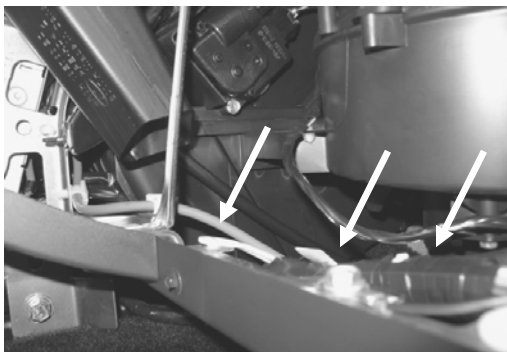


Figure 3

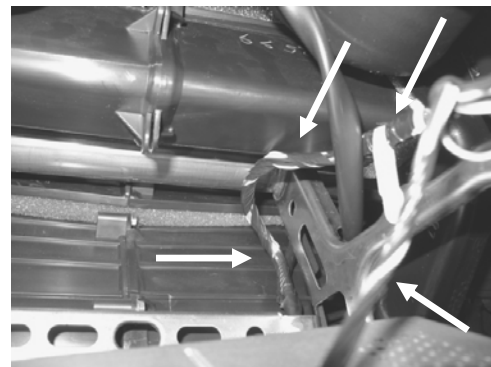


Figure 4

3. Route the end of the harness with the zip-tie leads up and through the two 1" holes in the dashboard. Feed the wire with the wider, flatter connector and the green wire through the *driver's side* 1-inch wide hole. Feed the more square connector through the *passenger's side* 1-inch wide hole. (FIGURES 5,6)

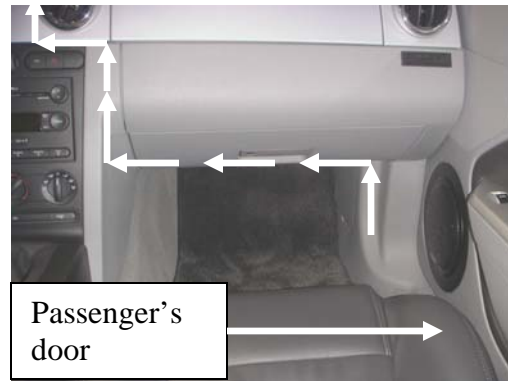


Figure 5

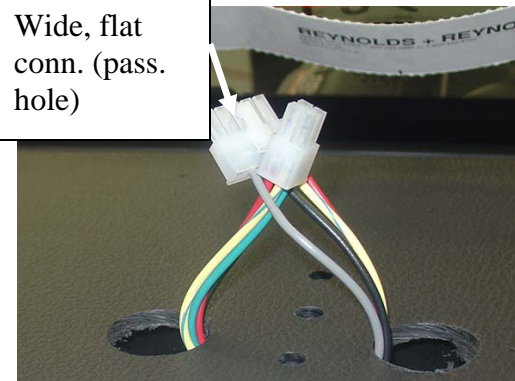


Figure 6



VI Gauge Pod Wiring Harness Installation (part 3)

Obtain the Following Tools:

- 1/4" drive ratchet
- 10 mm socket, 1/4" drive
- Soldering iron
- Electrical tape
- Flashlight

Order of Operations:

1. Using a 10 mm socket with the 1/4" drive ratchet, remove the stock ground bolt as shown in FIGURE 1 – the bolt is located behind the glove box, which was removed on page 8.
2. Attach the black ground wire to the bolt and reinstall the bolt.
3. Unplug the small Blue Connector from the SJB box; the SJB box is located behind the passenger side kick panel. (FIGURE 2)
4. On the small Blue Connector find the Yellow / Blue wire, ensure that the wire is going to PIN # 6. Splice the Yellow / Blue Saleen harness wire into the Ford Yellow / Blue wire using solder, then electrical tape. Plug the connector back in.

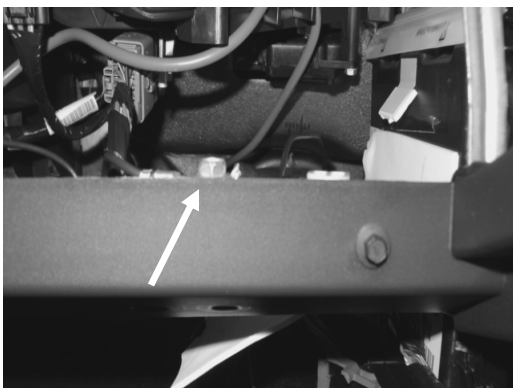


Figure 1



Figure 2

5. Unplug the large connector from the SJB box. Remove the plastic wiring guard from the back of the connector by squeezing and pulling outward. Locate the pin on the connector that contains TWO Red/Yellow wires. (NOTE: THERE IS ANOTHER PIN LOCATION CONTAINING ONLY ONE RED/YELLOW WIRE, THIS IS NOT THE CORRECT WIRE). See FIGURES. 3, 4.
6. Splice the *red* Saleen harness wire into one of the two stock Ford Red/Yellow wires at the correct pin location (see step 4) using solder, then electrical tape. Reinstall the plastic wiring guard.
7. Plug the connector back in.
8. Reconnect the negative battery terminal.



Figure 3

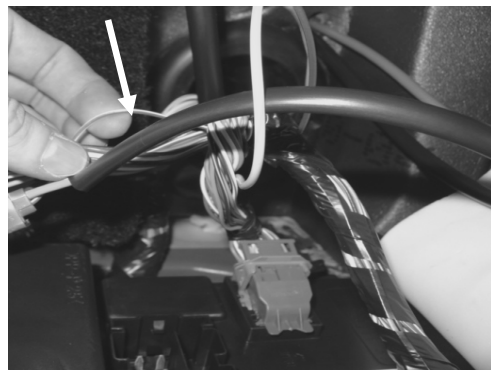


Figure 4

VII Gauge Pod Attachment to Dashboard

Part Number	Description	Qty.
00-9006-C11401*	Tape VHB 4956 0.062 Thk 1" Wide	1"

Obtain the following tools:

- 3M automotive adhesion promoter (3M# 06396)

Order of Operations:

1. If there is not tape already on the bottom of the gauge pod, apply 3M automotive adhesion promoter (for the tape) over the crossed section as shown in FIGURE 1.
2. Plug the wire connectors protruding from the dash into the gauge pod (the wide, flat connector goes on the passenger side).
3. Remove the backing from a 1" x 1" piece of 3M double sided tape (00-9006-C11401*) and press firmly onto the area where you just applied the adhesion promoter. (FIGURE 1)
4. Line the gauge pod up with the dashboard in the orientation shown in FIGURES 2 and 3, and apply 3M adhesion promoter to the area of the dash where the tape will go.
5. Remove the backing from the tape on the gauge pod, and line up the gauge pod clips with the small holes drilled into the dashboard. (FIGURE 4)
6. Press the gauge pod firmly into place so the clips go into the appropriate holes.
7. Replace the interior trim panel removed on page 7.

