

STACK RACING

Mustang Style Gauges Installation

PREPARATION

Please read through the instructions from start to finish before starting this project.

Required Tools

T-15 Torx Tool
Drill with Bit for Metal
Sharp Nail or Paperclip Bent at 90° Angle
Soldering Equipment & Solder (recommended)
or Wire Ties or Butt Connectors

Optional Tools

Adhesive
Droplight or Other Portable Lighting Source

STEP 1

Disconnect the battery, by removing first the negative terminal followed by the positive. You must disconnect the battery and wait approximately 15 minutes before beginning this project.

STEP 2

Remove the headlight knob to the left of the steering wheel. Pull the knob out into the "lights on" position and rotate the knob counter-clockwise until the slit is facing towards the door. Inside the slit is a metal clip; release this clip by using the bent nail to gently lift the clip outward toward the driver's side door, and pull firmly on the headlight knob. The knob should slide off relatively easily.



STEP 3

Remove the 2 screws holding the dash panel to the dash with the T-15 Torx bit. Once removed, the entire panel can be removed by pulling straight outward with gentle but firm pressure, which will release the clips and pins also securing it in place at the bottom and around the steering column.



STEP 4

Remove the gauge cluster from the dash. Begin by removing the 4 T-15 screws securing it to the dash. Gently pull it away from the dash and release the two clips connecting it to the electrical system. Remove it from the vehicle and place it on a clean, dry surface.



The picture below illustrates the 2 connectors you will have to release for the gauge cluster to be removed from the vehicle.



STEP 5

Remove the 8 Torx screws holding the lens and surround on the cluster. Lift off the black surround and lens.



STEP 6

Slip the insert over the existing overlay by moving the needles into the positions illustrated below. (Optional: apply a little adhesive to the back of the inserts before sliding them into place. If using glue, make sure it is applied evenly and smoothly to avoid bubbling or lighting inconsistencies.) Be gentle with the needles during this step; an additional set of hands may prove useful.

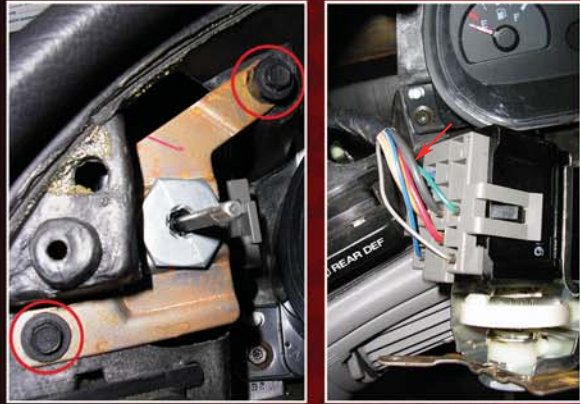


STEP 7

Reassemble the gauge cluster unit by putting the clear lens and surround back on the unit and replace the 8 Torx screws.

STEP 8

Wire your gauges to your headlight control unit. First, remove the headlight control unit from the dash by removing the two Metric hex bolts and sliding the unit out. Taking the 12V Inverter assembly, connect the red (positive) wire coming from the inverter to the large gray wire in the center of this connector; this gray wire is the switched positive wire for the headlights. You can connect this wire using your chosen method; Stack Racing suggests either soldering directly to this location, or using 3 way crimp-on butt connectors (space permitting).



The black (negative) wire can be connected either to the ground (black) in this connector, or it can be grounded to a hole drilled in the chassis using a ring terminal and the enclosed nut and bolt.

STEP 9

Attach the clips coming from your gauge cluster to the clips on the harness coming from the inverter (note you may have a few spares, but this is not a problem). Test your electrical connections by reconnecting your battery and insure the gauges function properly before proceeding. Remember to disconnect your battery again before proceeding for safety.



STEP 10

Begin to reassemble your dash by putting the headlight control unit back in place, securing any loose wiring with zip ties for security and a clean appearance. Reconnect the two clips connecting it to the electrical system directly behind the dash (see Step Four for location of clips), and then slide the gauge cluster back into the dash and replace the 4 T-15 screws (see Step Four for location of screws).

STEP 11

Finish reassembling your dash by sliding the dash panel back into place and aligning the clips, then replace the 2 Torx screws (see Step Three for illustration). Slide the headlight knob back on; replace the clip that provides resistance so the knob stays attached. Reconnect your battery and double-check that your gauges are working and accurate.

Enjoy your new gauge faces from Stack Racing!



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