

Innovate MTX-D Ethanol Gauge Installation Kit, MQB**034 MOTOR SPORT**

034Motorsport's Installation Kit for the Innovate 3904 MTX-D Ethanol Gauge for the MQB chassis is the new standard in installation ease. This kit was engineered for a discrete installation in mind, with a motorsport quality harness, for long lasting reliability.

Installation Spiciness Rating: SPICY

Installation of your Innovate Ethanol Gauge is a straightforward process that will take approximately 4 hours to complete.

Supplied Parts:

- 034Motorsport Innovate 3904 MTX-D Ethanol Gauge
- Installation Kit
 - 034Motorsport gauge harness
 - Push-lock fittings (2x)

Tools Needed:

- 13mm socket
- 10mm socket
- 8mm socket
- Small flat screwdriver
- Pliers
- Dremel tool or small hobby saw
- Utility knife
- Drill
- 6mm drill bit (1/4")

Getting Started

Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact:

customerservice@034motorsport.com

About This Guide

This Install Guide documents the installation process of an Innovate MTX-D Ethanol Content and Fuel Temperature Gauge on a 2018 Audi RS3 with numerous 034Motorsport performance parts installed. There may be other minor differences with your vehicle depending on specific vehicle, market, options, etc.

Install Steps

Step 1

Open the hood.



Step 2

Using a small flat blade screwdriver, remove the windshield wiper caps.



Step 3

Using a 13mm socket, remove the windshield wiper arm nuts.



Step 4

Mark wiper blade locations with a piece of tape, or other marking method, and remove the wiper arms.

*Hint: you may need to use a small puller, such as those used to remove battery terminals.



Step 5

Remove the windshield washer reservoir cap.



Step 6

Remove the rain tray cover.



Step 7

Disconnect the fresh air inlet temperature sensor, then using a 10mm socket, remove the fresh air inlet cover.



Step 8

Remove inlet screen.



Step 9

Remove all items from glove box, then remove the glove compartment rear cover.



Step 10

Remove cabin filter cover, and cabin filter.



Step 11

Modify the inlet screen for harness passage by drilling two 6mm (1/4") holes 12mm (1/2") apart, and connecting them by trimming with a utility knife or Dremel tool.



Step 12

Run gauge end of wiring harness through the hole you just created, until the point the two small leads become one is just inside the screen housing. Run the gauge end under the fresh air flap as shown.



Step 13

Reinstall the screen housing, looping the harness as shown.



Step 14

Reinstall the fresh air inlet cover (removed in Step 7) and reconnect the temperature sensor. Route the harness over the left side of the firewall.



Step 15

Reinstall the rain tray cover, paying special attention to centering it before snapping it back into the groove at the base of the windshield. Reinstall windshield washer reservoir cap.



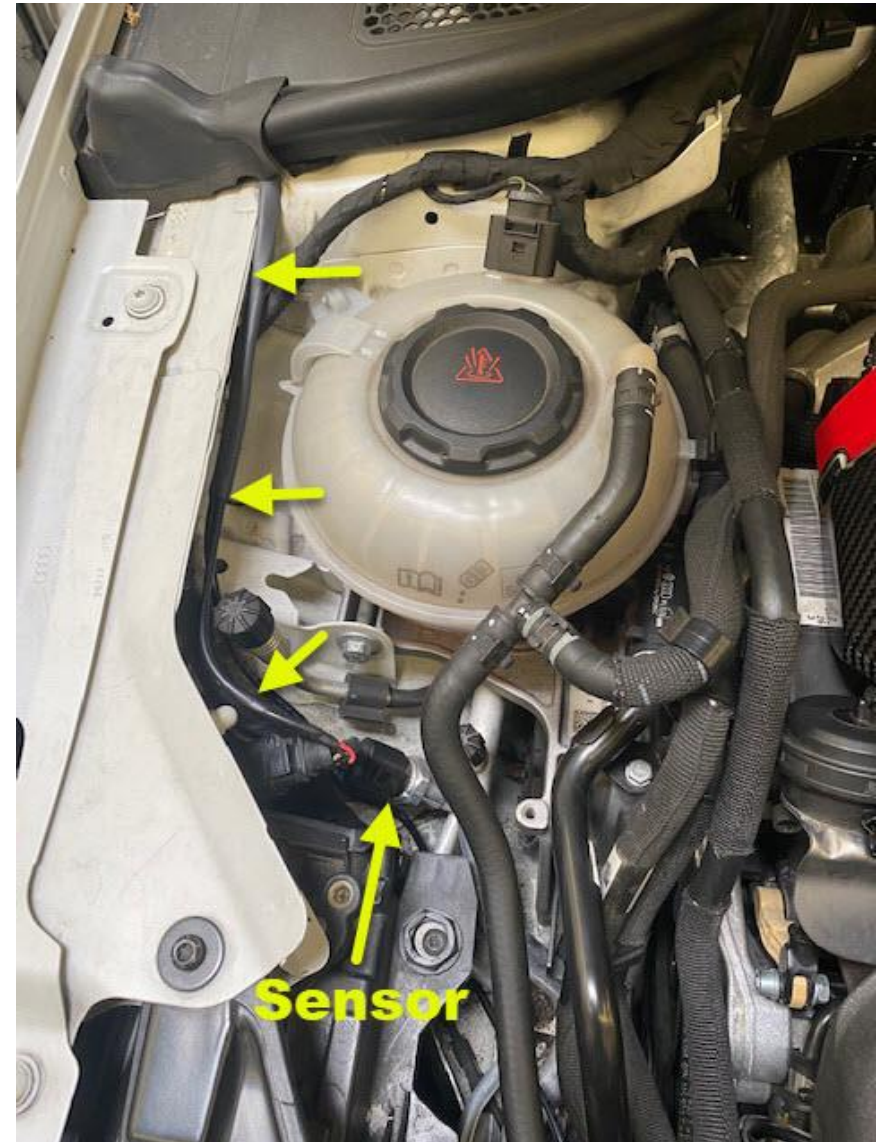
Step 16

Reinstall windshield wiper arms, aligning the blades with marks left when they were removed (Steps 2-4).



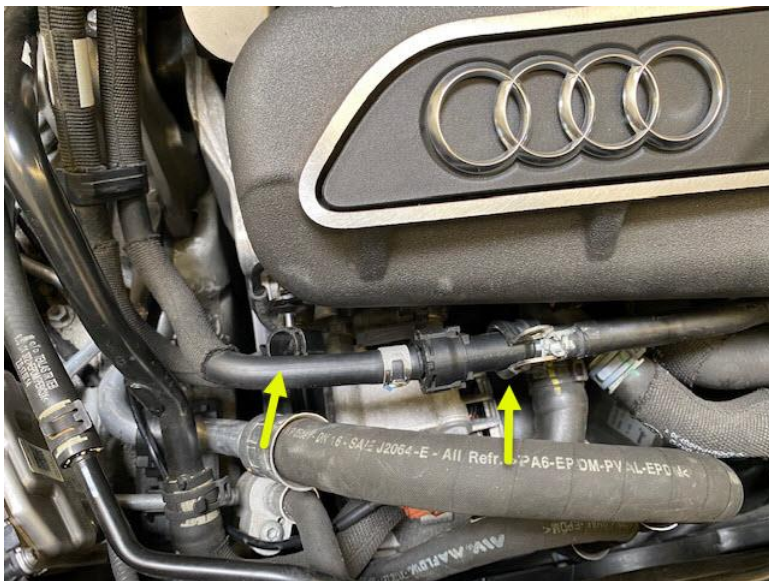
Step 17

Install engine bay end of the wiring harness, running it along the fender. Connect harness power feed between the air conditioning pressure sensor and its connector.



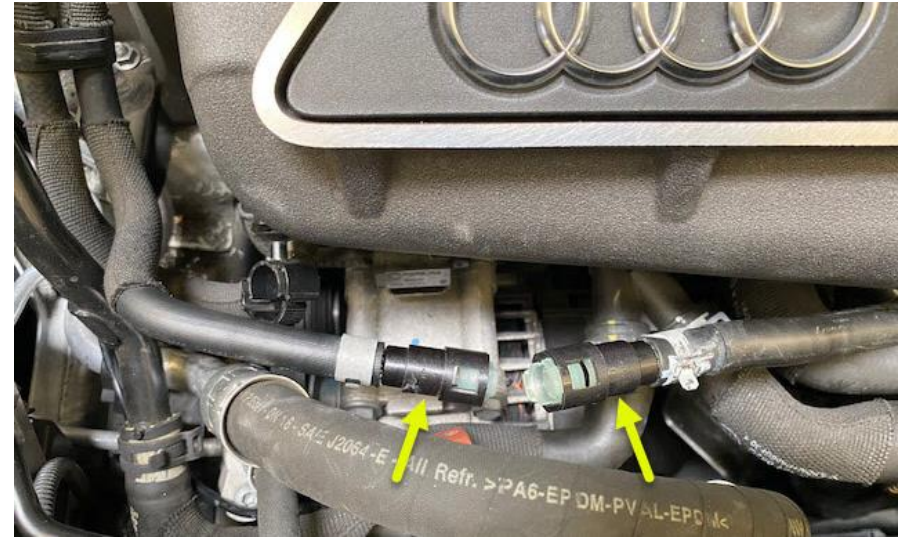
Step 18

Using a 10mm socket, remove the nut holding the hose retaining clamp, and open plastic hose retainer.



Step 19

Remove fuel line quick disconnect and replace it with the supplied snaploc connectors.



Step 20

Install ethanol sensor, reinstall hose retaining clamps, Plug harness connector into the sensor.



Step 21

Reinstall the cabin filter, carefully routing the wiring harness along the right edge.



Step 22

Using a Dremel or hobby saw, carefully notch the lower right corner of the cabin filter cover.



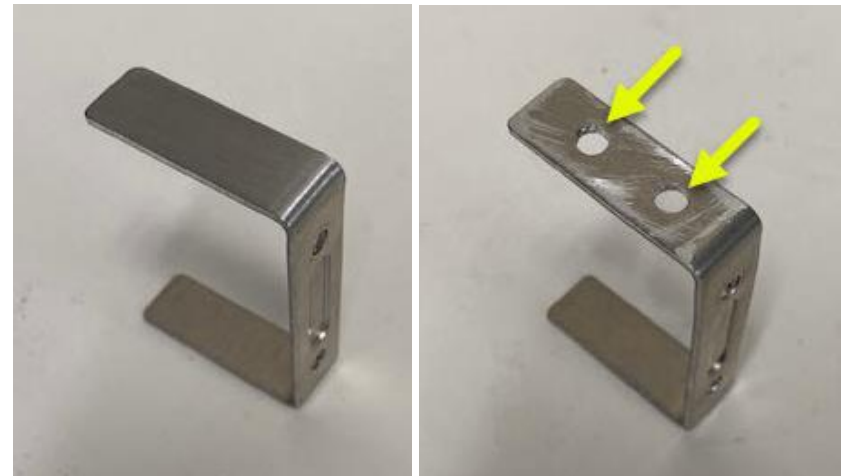
Step 23

Reinstall cabin filter cover, running the harness through the notch.



Step 24

Modify the gauge bracket by drilling two 5.5mm (7/32") holes.



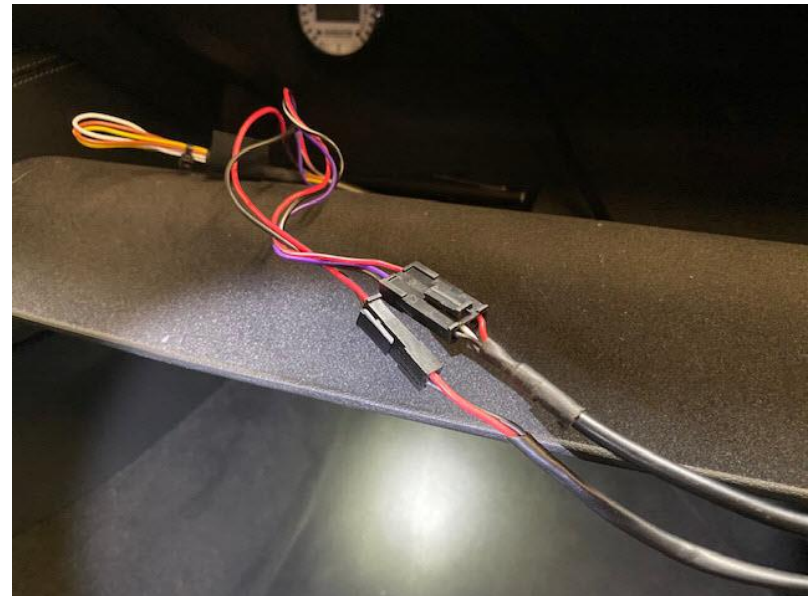
Step 25

Using the provided self-tapping screws, install the gauge bracket onto the glove compartment sidewall. (Tip: The location should be determined first by test fitting the bracket and gauge, noting the ideal location for the bracket prior to permanent install).



Step 26

Mount gauge in bracket and connect harness.



Step 27

The excess harness can be tucked into the space between the cabin filter cover and the back of the glove compartment.



Step 28

Using a Dremel or hobby saw, carefully notch the lower left area of the glove box rear cover.



Step 29

Install glove compartment rear cover, running the harness through the notch.



Step 30

That's it, you're done! Give yourself a pat on the back for a job well done!

