
 <h1 style="margin: 0;">TOURATECH</h1> <p style="margin: 0;">TOURING RALLYE RACING TECHNOLOGY</p> <p style="margin: 0;">Kit F650GS TT39 39L Tank</p>	 TT-USA
<p>Procedures: 1-19, 20-37, entire kit photo, parts photo#1, parts photo#2, other info and painting</p>		
<p>-----under construction!!! (sorry)----->Lists: Parts List, Hardware List <--NOTE these are currently for F650Rallye only!</p>		
<p>The new TT39 kit consists of two 11L side tanks which add 22L capacity to the F650GS. These side tanks drain by gravity into the main underseat tank. The German F650 has a 17L tank (17+22=39L=10.3 gallons), but the USA model has a charcoal cannister in the tank which reduces capacity to 15.5L (15.5+22=37.5L=9.7 gallons). Slightly used 17L tanks are available from Touratech. The side tanks are easily removed by one bolt (QD couplings included) which makes it easy to transfer gas to your distance-challenged riding partners. Since the tanks are separate, an option is to use one tank for drinking water (but not after you've used it for Petrol).</p> <p>This installation will take some time. You have to drill 3 holes in your BMW fuel tank (\$205 to replace, so be careful). Assembly of the other components and the surface preparation then painting may require more than a few evenings. See a photo of the the entire kit here.</p>		



1 Remove the cover from the rear storage compartment using the ignition key.

2 Remove the seat by pulling the red lever, then lift up on the rear of the seat and pull back to release.

**3**

Remove the front turn signals. Remove the 4 (Torx 25) screws securing the turn signals to the faring. Pull the light assembly away to expose the electrical connector.

**4**

Squeeze the sides of the connector to release it and pull to disconnect. Do not damage the wires from the turn signal, we will be reusing these. Follow the same steps to remove the other turn signal.

5

Remove the forward side covers. Remove the first screw from under the forward edge of the cover. (Torx 25)



- 6 Remove the two screws that secure the top of the cover. (Torx 25)



- 7 On the left side, remove the oil cap. Pull outward on the lower forward edge of the cover.

- 8 Now lift upward along the top edge where the side cover snaps together with the center cover.



- 9 Remove the central cover. There are two screws at the forward edge of the cover. Save the screws, but the two sheet metal nuts (2) are not re-used.



- 10 Remove the battery cables from the battery using either 2) 10mm open end wrenches, or a wrench and a Phillips screwdriver. Remove the battery vent hose, disconnect the strap and lift the battery from the tray. Always keep the battery level. NOTE: Battery acid is corrosive and is hazardous to your health!!

11

Remove the four bolts that secure the front fender from below. It will be spaced downward 6mm to clear the tanks. It will



be re-installed at the end, step 36.



- 12** Remove the two electrical connectors from the fuel pump. Loosen the screw type clamp on the fuel line. Cut the band clamp from the second fuel line. A new screw-type clamp is included to replace the clamp that was cut.



- 13** CAREFULLY disconnect the fuel lines. There may still be pressure in the fuel lines that will cause them to leak some fuel. Plug the fuel lines to prevent any contamination from getting into them.

- 14** Pull up on the gas tank vent hose until it is free from the framework.

This tube from the charcoal cannister (white arrow) vents the stock tank (into the existing charcoal cannister).



Because the new forward tanks are much higher, the charcoal cannister must be connected to the new forward tanks. (see photo on step 30)



Please see "[Alternate method](#)". If you elect to drill the tank in-place, skip steps 15-22.

15 Unscrew the brake fluid reservoir from the right side of the rear framework. (10mm wrench)

Support the reservoir on the hose such that it does not turn upside down otherwise you may have to bleed air from the rear brake.



Please see "[Alternate method](#)". If you elect to drill the tank in-place, skip steps 15-22.

16 Remove the 2 screws holding the top edge of each of the rear side covers. (Torx 27)

Please see "[Alternate method](#)". If you elect to drill the tank in-place, skip steps 15-22.

Remove the small plastic cover to expose the final bolt on each side. Look at it from the backside and you can see the plastic



17

fingers that secure the cap. Carefully squeeze them to release the cap.

Remove the bolt (6mm Allen head) now remove the two side covers. The right side may need to be worked out from around the gas tank filler.

Please see "[Alternate method](#)". If you elect to drill the tank in-place, skip steps 15-22.



18

Remove the mufflers:

On the right side remove the bolt (Torx 30) and carefully pry outward to release the muffler. If necessary a light tap with a rubber mallet from the inside will release the muffler. On the left side loosen the clamp that connects the muffler to the exhaust pipe and work it back from the pipe.

Please see "[Alternate method](#)". If you elect to drill the tank in-place, skip steps 15-22.



19

Remove the rear frame triangle:

Take out the 4 bolts that secure the rear frame triangle to the main frame. (Torx 40)