



## **Installation Instructions for TF156RA-FTB Toyota Fortuner GUN156R 120lt Auxiliary Tank**

1. Carry out wiring of the PG200 switch gauge unit, suggested switch location is into one of the switch blanks, it will just fit but you need to be careful (Refer Pic 1). Run the twin core under the RHS scuff plates to the rear of the vehicle for later connection to the transfer pump and sender unit. A 12V ignition source can be found behind the glove box, Pink wire (Refer Pic 2).
2. Remove the spare wheel and wheel winch. Remove the wheel arch cover from around the filler neck. Disconnect the fill, fast fill and vent line hoses from the STD tank. Cut the filler and fast fill tubes as shown (Refer Pic 3 A-D) you cannot get the filler out without cutting it. Cut the M6 Stud from the floor brace near the fill pipe. (Refer Pic 4).
3. Cut 35mm from the STD fill hose and refit the section of fill pipe and fast fill tube with 650mm length of 12mm Fuel Hose back in position. Fit 1100mm length of 8mm Fuel hose to the main tank vent line. Mount the Transfer pump to its mounting bracket and bolt in position using M6 x 20mm bolt spring and flat washer (Refer Pic 5). Fit 1100mm length of 8mm fuel hose to the outlet of the transfer pump, then neatly cable tie these hoses to the fill pipe (Refer Pic 6). Complete the wiring of the pump and run the sender wire for later connection.
4. Assemble the fittings into the new twin filler neck. 2 x P6 1/2 x 3/8 elbows go into the underside filler box pointing in the direction of the fill pipes. 1 x P3 5/16 x 1/8 straight goes into the main tank fill pipe. (Refer Pic 7). Fit the filler neck into position and connect to the main tank fill pipe with 100m of 35mm fuel hose.
5. Screw the fittings into the tank (Refer Pic 8). Fit 700mm length of 1/2" fuel hose to the P3 1/2" x 3/8 straight fitting and the 240mm length of 8mm fuel hose to the P6 5/16 x 1/4 elbow.

6. Bolt the Left and Right rear mounting bar brackets in place with the OE M12 fine thread bolts. Bolt the center rear mounting bar on top of these brackets with 4 x M10 x 30mm bolts washers and Nyloc nuts. (Refer Pic 9).
7. Jack the tank into position connect the sender unit wire as you go. Secure the front with the 3 x M10 U bolts with washers and Nyloc nuts. Secure the rear with 2 x M12 x 30mm bolts washers and Nyloc nuts.
8. Now fit the intermediate pipe to the filler and the auxiliary tank with the 35mm fuel hose. Check the alignment of the filler and do up all the clamps.
9. Using the original filler neck bracket and the bracket extension from the kit secure the fill pipe in position. The 8mm vent line from the main tank needs to run up to the top of the filler and then point down with the P10 Vent fitted. (Refer Pic 10).
10. Connect the Main and Auxiliary tank fast fill vent lines along with the 8mm fuel pump transfer line to the filler. Use the CF20 and the CF16 Conduflex to protect these hoses where they run between the body and the chassis.
11. Check over all hose and fittings neatly cable tie all hoses and wiring. Replace the wheel arch cover.



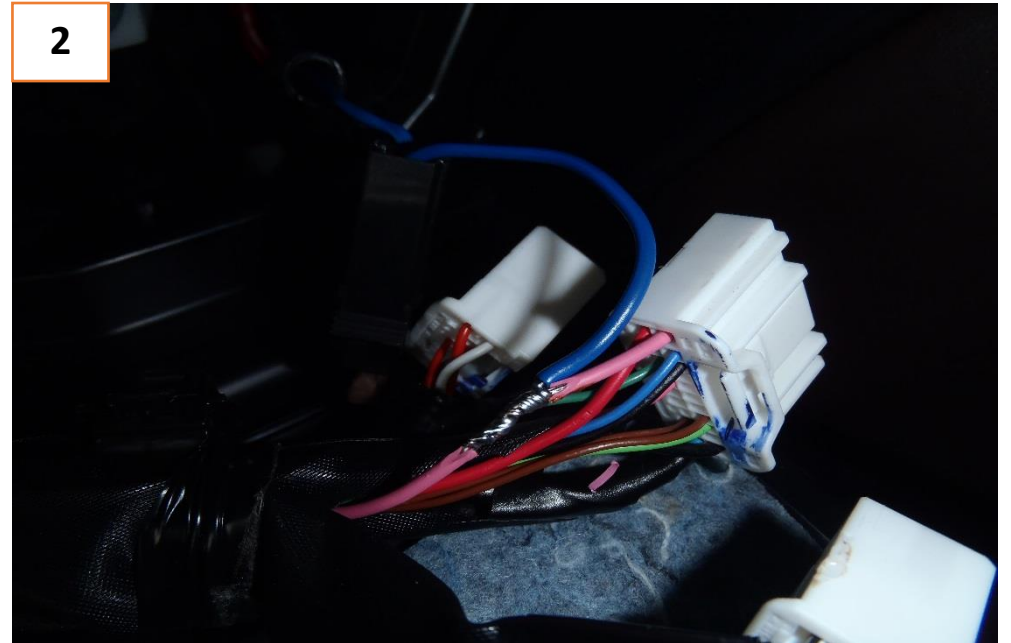
## FITTING KIT CONTENTS TF156RA-FTB

<b>Brass</b>	<b>Electrical</b>
<ul style="list-style-type: none"> <li>○ 1 x P6 5/16 x 1/8 Elbow</li> <li>○ 1 x P6 5/16 x 1/4 Elbow</li> <li>○ 1 x P3 1/2 x 3/8 Straight</li> <li>○ 2 x P6 1/2 x 3/8 Elbow</li> <li>○ 1 x P3 5/16 x 1/8 Straight</li> <li>○ 1 x P10 5/16 x 1/4</li> <li>○ 1 x 2921-04</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x LRA-PG200</li> <li>○ 1 x Fuse Holder</li> <li>○ 1 x 10 AMP Fuse</li> <li>○ 1 x 3mm Single Core @ 1200mm</li> <li>○ 1 x 3mm Two Core @ 5m</li> <li>○ 1 x Red Insulated Terminal</li> <li>○ 2 x 6mm Blue Eye Terminal</li> <li>○ 3 x 3mm Shrink Tube @ 30</li> <li>○ 1 x 7mm Conduflex @ 3000</li> <li>○ 1 x 3/16 x 5/16 Grommet</li> </ul>
<b>Bolts / Nuts</b>	<b>Misc Parts</b>
<ul style="list-style-type: none"> <li>○ 2 x M12 x 30 Bolt</li> <li>○ 2 x M12 H/Duty Washers</li> <li>○ 2 x M12 Nyloc Nut</li> <li>○ 4 x M10 x 30 Bolt</li> <li>○ 14 x M10 x 25 Washer</li> <li>○ 10 x M10 Nyloc Nut</li> <li>○ 1 x M8 Flange Nut</li> <li>○ 2 x Tek Screw 30 Long</li> <li>○ 1 x M6 x 20mm Bolt</li> <li>○ 1 x M6 x 20mm Washer</li> <li>○ 1 x M6 Spring Washer</li> <li>○ 1 x M6 Nut</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x TF156RA-FTB Mounting Bar Centre</li> <li>○ 1 x TF156RA-FTB R/H Mount bar End</li> <li>○ 1 x TF156RA-FTB L/H Mount bar End</li> <li>○ 1 x Fuel Pump Mounting Bracket</li> <li>○ Fill Pipe Mount Extension Bracket</li> <li>○ 1 x TTF156RA</li> <li>○ 1 x FPTF156RA</li> <li>○ 5 x Toyota wheel arch clips</li> <li>○ 3 x M10 x 85mm U Bolts @ 100mm</li> </ul>
<b>Hose Clamps</b>	<b>Cable Ties</b>
<ul style="list-style-type: none"> <li>○ 6 x 1/4</li> <li>○ 4 x 1/2</li> <li>○ 6 x 11/4</li> </ul>	<ul style="list-style-type: none"> <li>○ 10 x 7"</li> <li>○ 5 x 11"</li> </ul>
<b>Hose</b>	<b>Instructions</b>

<ul style="list-style-type: none"> <li>○ 1 x 8mm Hose @ 240mm</li> <li>○ 2 x 8mm Hose @ 1100mm</li> <li>○ 3 x 35mm Hose @ 100mm</li> <li>○ 1 x 12mm Fuel Hose @ 650mm</li> <li>○ 1 x 12mm Fuel Hose @ 700mm</li> <li>○ 2 x CF20 Conduflex @ 200mm</li> <li>○ 1 x CF16 Conduflex @ 200mm</li> </ul>	<ul style="list-style-type: none"> <li>○ 2 Pages Fitting Instructions</li> <li>○ 3 Pages Fitting Instruction Pics</li> <li>○ 2 Page Fitting Kit Contents</li> <li>○ 1 Page WDSGPG200</li> </ul>
<b>Sender</b>	<b>Filters &amp; Pumps</b>
<ul style="list-style-type: none"> <li>○ 1 x 0-90 OHM</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x Fuel Pump</li> </ul>

Kit Packed By \_\_\_\_\_

Kit Checked By \_\_\_\_\_





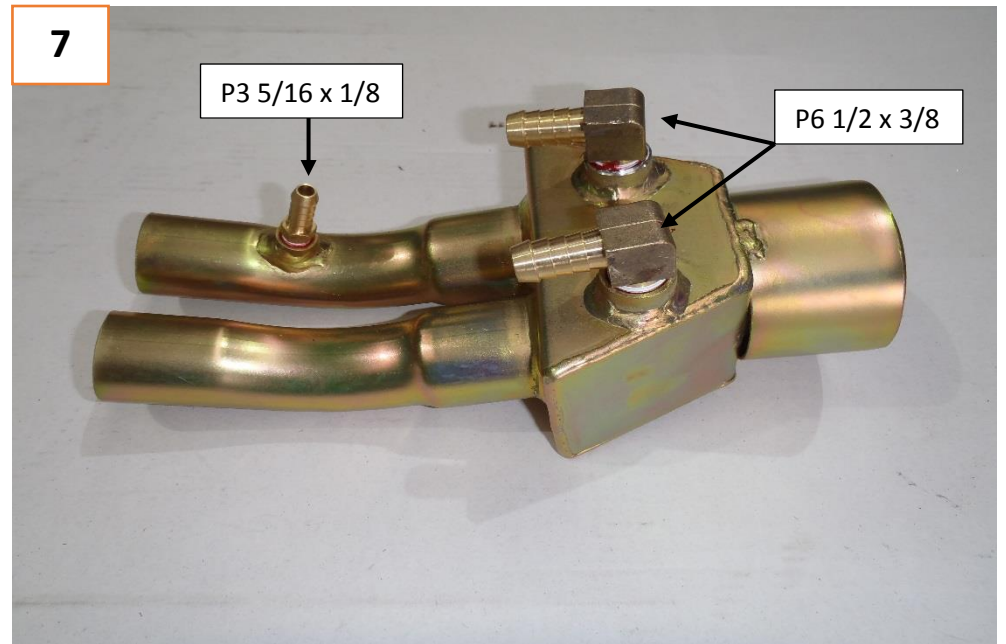




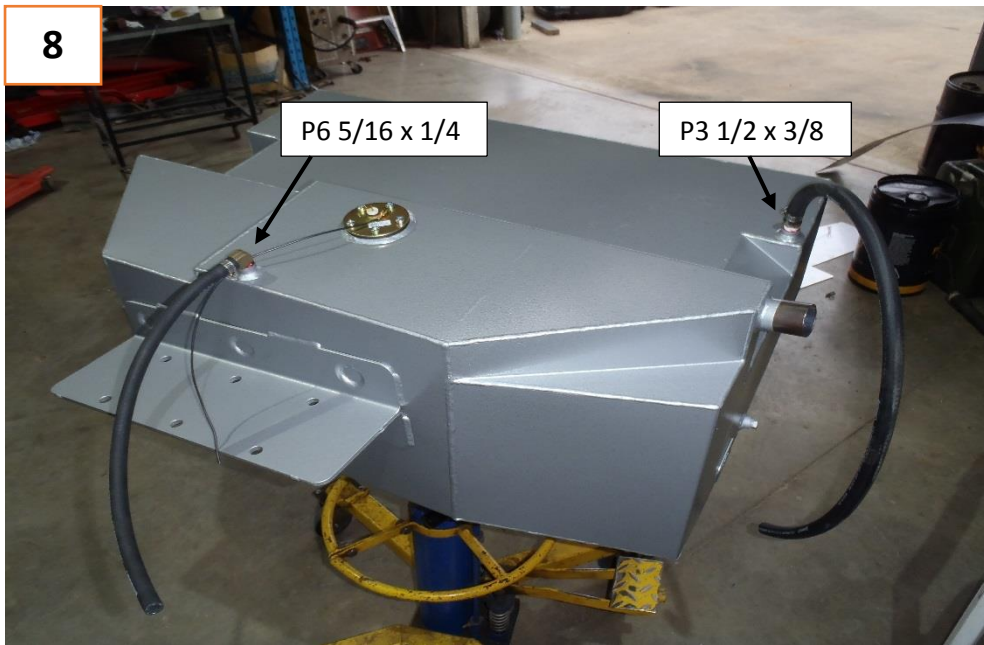
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