



## Installation Instructions for TLC457A Toyota Landcruiser HJ/FJ 45-47 Tray 100L Auxiliary Tank

This auxiliary tank fits forward of the rear axle on the left hand side of the drive shaft. Fuel is transferred via an electric pump that will pump fuel from the auxiliary tank into the OEM tank. A combination switch/gauge will be located into a suitable blank in the dash. When the switch is in operation an **ORANGE** light will be on, indicating that the transfer pump is in operation. A series of lights will also indicate fuel level. All **GREEN** lights on showing FULL, one **RED** light showing EMPTY.

(DO NOT OPERATE TRANSFER PUMP WITH NO FUEL IN AUXILIARY TANK OR PUMP FAILURE WILL OCCUR).

1. Screw all fittings into the auxiliary tank as per the diagram provided.
2. Carry out necessary wiring and installation of the switch/gauge and fuel pump.
3. Remove the drive shaft. Remove section of exhaust system from the tank location area. (Due to the age of the vehicle, the exhaust will vary from vehicle to vehicle). Lift the tank into position and again depending on the type of tray fitted to the vehicle, there will be a bearing on the method of mounting the tank. Either directly to the underside of the tray. Or you will have to add some extra mounting bars. Two lengths of RHS tubing are provided for this purpose.
4. Connect the auxiliary tank filler to the steel filler neck with hose supplied. Mount the filler neck to the tray in a suitable location with mounting bracket supplied. Connect 600mm length of 12mm hose from 12mm hose barb straight onto the auxiliary tank to the 12mm fast fill fitted to the filler neck. Cut into the original fast fill line of the original rear tank and fit the reducing tee as part of this line. The 8mm branch goes to the discharge side of the fuel transfer pump. Then tee the 6mm line from the expansion chamber into the vent line on the original tank. Finish connection of the fuel pump to the fuel pickup line with the filter in between the fuel pump and the pickup.

5. Connect the fuel sender wires. Fill the tank with fuel and check the system operation.

**NOTE: USE A HIGH QUALITY SEALER ON ALL JOINTS AND FITTINGS. E.G. PERMATEX 3J**

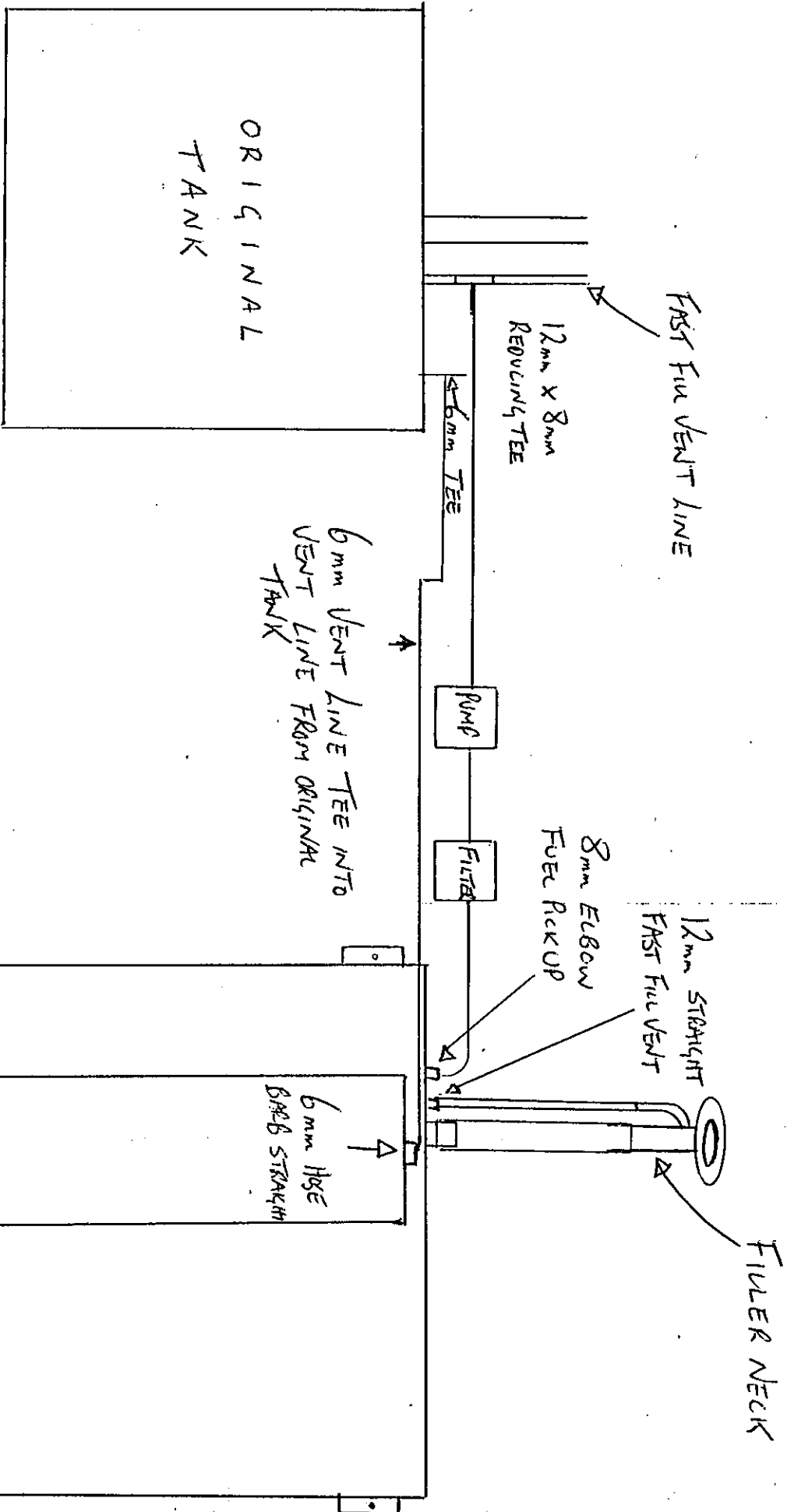


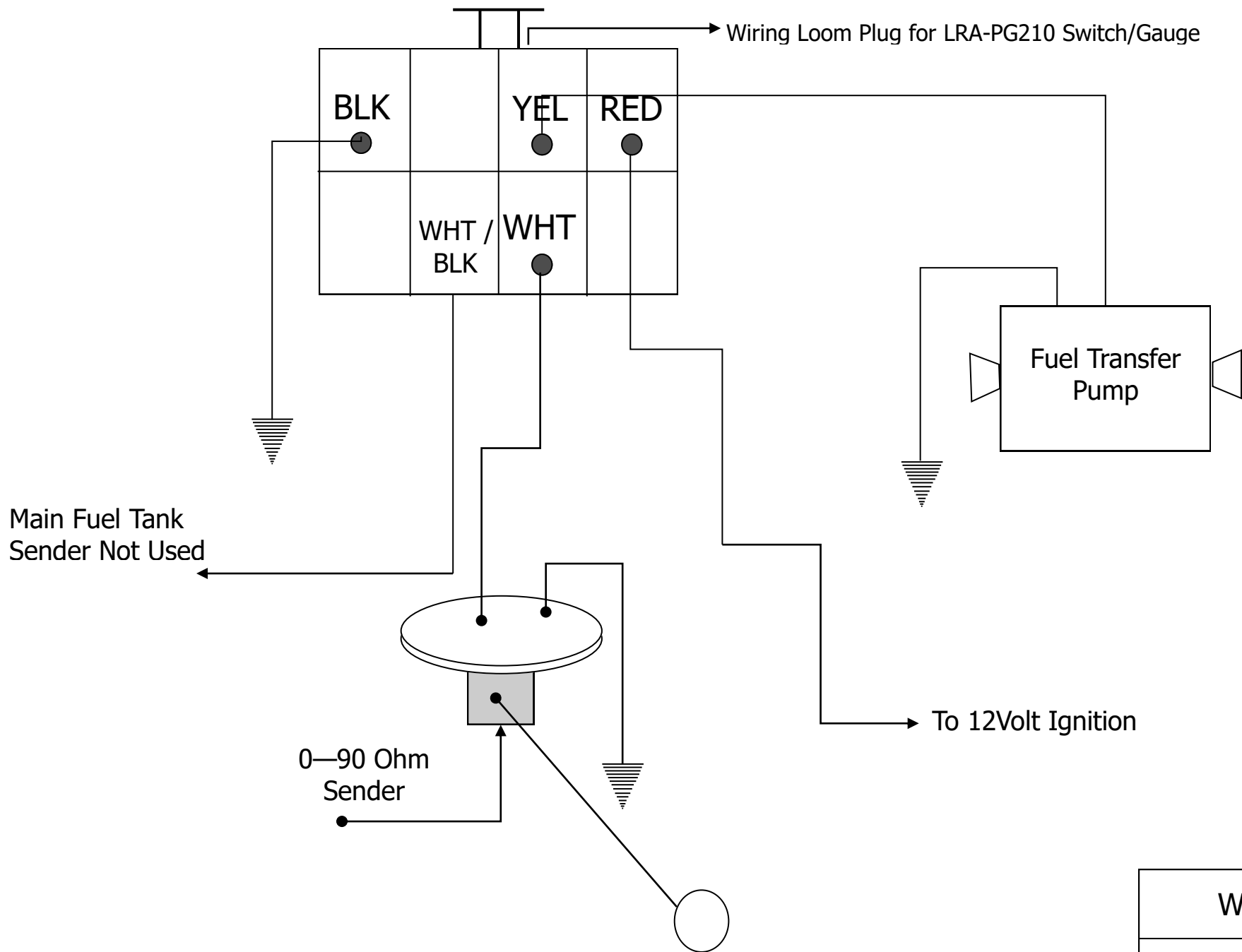
## FITTING KIT CONTENTS TLC457A-TRAY

<b>Brass:</b>	<b>Electrical:</b>
<ul style="list-style-type: none"> <li>○ 1 x P3 1/4 x 1/4 Straight</li> <li>○ 1 x P3 1/2 x 1/4 Straight</li> <li>○ 1 x P6 5/16 x 1/4 Elbow</li> <li>○ 1 x P14 x 1/4 6mm Tee</li> <li>○ 1 x 12 x 8mm Reducing Tee</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x LRA-PG210 Switch/Gauge unit with wiring loom</li> <li>○ 1 x 3mm 2 Core wire @ 5000mm</li> <li>○ 1 x 4mm Single Core Blue Wire @300mm</li> <li>○ 1 x 5AMP Fuse</li> <li>○ 1 x Fuse Holder</li> <li>○ 2 x Fuse Holder Terminals</li> <li>○ 3 x Red Insulated Terminals</li> <li>○ 2 x Red Male plain Terminals</li> <li>○ 3 x Blue 6mm eye Terminals</li> <li>○ 4 x 3mm Heat shrink tube @ 25mm</li> </ul>
<b>Bolts / Nuts:</b>	<b>Misc Parts:</b>
<ul style="list-style-type: none"> <li>○ 3 x M5 x 12mm Pan head screws</li> <li>○ 3 x M5 Nuts</li> <li>○ 3 x M5 Washers</li> <li>○ 4 x M10 x 50mm Bolts</li> <li>○ 4 x M10 Nyloc nuts</li> <li>○ 4 x M10 Washers</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x Filler neck (straight 200mm long)</li> <li>○ 1 x LC 91 Fuel cap to suit</li> <li>○ 1 x Filler neck mounting plate</li> <li>○ 2 x 75mm x 25mm x 1200mm RHS tubing</li> </ul>
<b>Hose Clamps:</b>	<b>Hose:</b>
<ul style="list-style-type: none"> <li>○ 10 x 1/4" Hose clamps</li> <li>○ 4 x 1/2" Hose clamps</li> <li>○ 2 x 1" 1/2 Hose clamps</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x 44mm fuel hose @ 300mm</li> <li>○ 1 x 8mm fuel hose @ 1200mm</li> <li>○ 1 x 12mm CMP hose @ 600mm</li> <li>○ 1 x 6mm CMP hose @ 1500mm</li> </ul>
<b>Pumps &amp; Filters:</b>	<b>Cable Ties:</b>
<ul style="list-style-type: none"> <li>○ Fuel Pump &amp; Filter</li> <li>○ 1 x Fuel Pump Mounting Plate</li> </ul>	<ul style="list-style-type: none"> <li>○ 10 x 7" Cable ties</li> <li>○ 5 x 11" Cable ties</li> </ul>
<b>Sender:</b>	<b>5 Pages of Fitting Instructions Consisting of:</b>
<ul style="list-style-type: none"> <li>○ 1 x 1 x 0-90 OHM Sender C/W 700mm Earth, Installed Using: <ul style="list-style-type: none"> <li>- 5 x M5 x 10mm Pan Heads</li> <li>- 5 x M5 Spring Washers</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>○ 2 x Pages Fitting Instructions</li> <li>○ 1 x Page Fitting Kit Contents</li> <li>○ 1 x Installation Diagram</li> <li>○ 1 x WDSGPG210 Wiring Diagram</li> </ul>

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

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





WDSGPG210