



## **Installation Instructions for TLC76RR TOYOTA LANDCRUISER 76 SERIES 170L REPLACEMENT TANK**

1. Drain and remove the original tank. Unbolt the OEM front strap mounts. Carefully remove the 4 tank locators from the floor pan. Paint any bare metal sections. Bend the bracket on the RHS of the round shock absorber mount tube forward.
2. Fit the two rear secondary brackets in place. The RHS locates with a M8 x 30mm bolt, the LHS uses the same hole only as a locator. (NOTE: There is no captive nut on the LHS.) Put a straight edge between the two brackets, mark and drill the remaining holes, then secure with M10 x 30mm bolts with strap washers and Nyloc nuts. (There are 3 x M8 x 25mm washers provided, these are to take up the gap on the RHS.)
3. Remove the sender unit and the breather valve from the OEM tank. Modify the sender unit as per diagram. Extend the float arm by 50mm and the low fuel light sensor by 40mm. (The rod provided in the kit allows for 10mm overlap on each joint.) Extend the low fuel light wire using 70mm wire and FUEL RESISTANT HEAT SHRINK TUBE. Fit the sender unit to the tank and check the float arm travel. The sender unit operates on the following OHM range: 110 OHM @ empty and 1.7 OHM @ full. (NOTE: ON LATER MODELS THERE IS NO SEPARATE LOW FUEL LIGHT SENSOR, EXTEND THE FLOAT ARM ONLY).
4. Using the original breather valve and the new 600mm length of 6mm hose fit the roll over valve and the grommet to the tank and fix the hose to top of the tank with adhesive cable tie mounts as per diagram. Fit the P3 5/8 x 3/8 straight fitting next to the filler. The P3 1/2 x 1/4 straight fitting to the outer fitting on the front of the tank, this is the fuel pick up. The remaining P3 5/16 x 1/4 straight fitting goes next to this one, this is the return line. (NOTE: Before fitting the tank, reverse the rear spring shackles to make the spring service possible without having to remove the tank).

5. Lift the tank into position and connect the end of the breather valve into the grommet in the body member. Connect the sender unit. Slip the saddles from the C8 U Bolt clamps in between the tank and the round cross member. (One saddle may need the front edge trimmed off to fit around the bracket that is on the tube). Check all clearances and secure the front with M8 Nyloc nuts and washers and the rear with M10 Nyloc nuts and washers.
6. Remove the last two pipe clamps holding the pick-up and return lines. Carefully bend the tubes to line up with the fittings on the tank. Cut 80mm from both the pick-up and return line hoses. Connect to tank. Using one of the pipe clamps reverse the metal bracket on the clip and refit to second last mounting position with new M8 x 25mm bolt and M10 nut for spacer.
7. Cut 65mm off the fast fill vent hose. Refit the filler and fast fill hoses. (NOTE: Loosen the filler neck mounting bolt, this makes it much easier.)
8. Replace the wheel cover arch, fill with fuel and check all hoses and fittings.



## FITTING KIT CONTENTS TLC76RR

Brass	Cable Ties
<ul style="list-style-type: none"> <li>○ 1 x P3 5/16 x 1/4 (8mm hose barb straight)</li> <li>○ 1 x P3 1/2 x 1/4 (12mm hose barb straight)</li> <li>○ 1 x P3 5/8 x 3/8 (16mm hose barb straight)</li> </ul>	<ul style="list-style-type: none"> <li>○ 2 x 100mm</li> </ul>
Bolts / Nuts	Misc Parts
<ul style="list-style-type: none"> <li>○ 1 x M8 x 25 bolt</li> <li>○ 1 x M8 x 30mm bolt</li> <li>○ 5 x M10 x 30 bolt with 150mm straps</li> <li>○ 2 x M8 x 25mm washers</li> <li>○ 2 x M8 spring washers</li> <li>○ 9 x M10 x 25mm washers</li> <li>○ 9 x M10 Nyloc nuts</li> <li>○ 1 x M10 plain nut</li> <li>○ 1 x M8 x 20mm washer</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 L/H rear secondary bracket with welded bolts</li> <li>○ 1 R/H rear secondary bracket with welded bolts</li> <li>○ 4 x C8 exhaust clamps with M8 x 20 washers &amp; Nyloc nuts</li> <li>○ 2 x adhesive cable tie mounts</li> <li>○ 1 x 2.5 rod @ 70 (sender)</li> <li>○ 1 x 2.5 rod @ 60 (LFL)</li> <li>○ 1 x 70mm wire</li> <li>○ 2 x fuel resistant shrink tube @ 25mm</li> <li>○ 1 x roll over valve</li> <li>○ 1 x grommet</li> </ul> <p>5 Pages Instructions Consisting of:</p> <ul style="list-style-type: none"> <li>○ 2 x Page Fitting Instructions</li> <li>○ 1 x Page Fitting Kit Contents</li> <li>○ 1 x Page sender unit mod</li> <li>○ 1 x Page breather hose picture</li> </ul>
Hose	
<ul style="list-style-type: none"> <li>○ 1 x 6mm fuel hose @ 600mm long</li> </ul>	
Hose Clamps	
<ul style="list-style-type: none"> <li>○</li> </ul>	

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

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



