



## Installation Instructions for TLC100IFSEFR Toyota Landcruiser 100 Series IFS PETROL 150lt Main Replacement Tank

12/20 - TL

1. Drain and remove the OE tank and straps. Unbolt the park brake cable mounts. Bolt the new in board strap mount in place with 1 x OE strap bolt, 1 x M8 x 30mm bolt spring and flat washer. Cross drill this bracket and fit 2 x M8 x 100mm bolts with nyloc nuts and washers. Bolt the two new L/H strap extension brackets in place with the OE strap bolts and reinforcing plates. The longer of the two is the rear bracket. Glue the two rubber strips to the floor braces.
2. Cut 50mm from the tank end of the steel fill pipe. Remove the LHR seat and lift the carpet. From underneath the vehicle drill a 10.5mm hole up through the hole that is in the OE tank locator bracket on the rear floor brace. Fit floor plate with M10 x 100mm bolt from inside and out through this hole.
3. Remove the fuel pump assembly from the OE tank and lengthen the fuel pump frame with the bracket provided also lengthen the float arm by 75mm using the 95mm length of rod, this allows for a 10mm overlap on the joints. Lengthen the fuel pump wires by soldering and using fuel resistant heat shrink tube. Extend the return line on the pump assembly with the 95mm length of 8mm ridged plastic tubing and the joiner. This allows the return line to reach to bottom of the tank. Fit the unit to the tank with BS345 O-ring, M5 x 8mm cap screws, washers and new hold down ring and check the float arm travel. Fit the OE roll over valve to the tank.
4. Carefully remove the coupling ends from the OE ridged lines and fit these to the 1000mm length of 8mm EFI hose for the fuel pick up. The 600mm length of 8mm EFI hose joins on to the OE return line with the OE joiner. Screw the P3 5/8 x 1/4 Straight fitting into the tank. Lengthen the wires that go to the return line solenoid valve. Fit the OE fill and fast fill hoses to the tank. Trim 90mm from the fast fill hose.
5. Jack the tank into position guiding the fill hose on to the filler pipe as the tank goes in to position. Secure the tank with new straps and M10/12 bolts with nyloc nuts. Run the pickup return and wiring out the side of the tank then loop around to the rear and secure these lines with the rubber lined P clips. Connect the remaining vent lines and wiring. Bolt the park brake cable back to the M8 stud on the inside of the rear strap.
6. Check over all hoses connections and fittings.



## FITTING KIT CONTENTS TLC100IFSEFR

Brass	Electrical
<ul style="list-style-type: none"> <li>○ 1 x P3 5/8 x 1/4 Straight</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x 3mm Single Core Blue @ 80mm</li> <li>○ 1 x 3mm Single Core Black @ 80mm</li> <li>○ 1 x 3mm Twin Core @ 300mm</li> <li>○ 4 x Fuel Resistant shrink tube @ 30mm</li> <li>○ 4 x Shrink Tube STD @ 30mm</li> </ul>
Bolts / Nuts	Misc Parts
<ul style="list-style-type: none"> <li>○ 1 x M8 x 30mm Bolt</li> <li>○ 2 x M8 x 100mm Bolts</li> <li>○ 2 x M10 x 40mm Bolts</li> <li>○ 1 x M10 x 100mm Bolt</li> <li>○ 1 x M8 x 20mm Washer</li> <li>○ 4 x M8 x 25mm Washers</li> <li>○ 1 x M8 Spring Washer</li> <li>○ 5 x M10 x 25mm Washers</li> <li>○ 4 x M8 Nyloc Nuts</li> <li>○ 3 x M10 Nyloc Nuts</li> <li>○ 1 x M12 Nyloc Nut</li> <li>○ 1 x M12 Washer</li> <li>○ 2 x TEK Screws</li> <li>○ 8 x M5 x 8mm Cap Screws</li> <li>○ 8 x M5 Washers</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x Strap Rubber @ 125mm</li> <li>○ 1 x Strap Rubber @ 175mm</li> <li>○ 1 x Strap Rubber @ 785mm</li> <li>○ 1 x Strap Rubber @ 885mm</li> <li>○ 1 x 60mm x 3mm Rubber @ 490mm</li> <li>○ 1 x 60mm x 3mm Rubber @ 560mm</li> <li>○ 1 x Fuel Pump Extension Bracket</li> <li>○ 2 x 16mm P Clip</li> <li>○ 6 x Strap Reinforcing plates 50 x 30 x 3mm</li> <li>○ 2 x Tank Straps Front &amp; Rear</li> <li>○ 2 x Strap Extension Bracket - Long &amp; Short</li> <li>○ 1 x C-Section Bracket</li> <li>○ 1 x Floor Plate 130mm x 150mm x 4mm</li> <li>○ 2 x Strap Extension Reinforcing Plates</li> <li>○ 1 x TLC100F Hold Down Ring</li> <li>○ 1 x BS345 O-Ring</li> </ul>
Hose Clamps	Pump / Sender
<ul style="list-style-type: none"> <li>○ 4 x 5/16 EFI Clamps</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x 2.5mm Rod @ 95mm</li> </ul>
Hose	5 Pages Fitting Instructions Consisting Of
<ul style="list-style-type: none"> <li>○ 1 x 8mm In Tank EFI Hose @ 130mm</li> <li>○ 1 x 8mm EFI Hose @ 1000mm</li> <li>○ 1 x 8mm EFI Hose @ 600mm</li> <li>○ 1 x 8mm Ridged Tube @ 95mm</li> <li>○ 1 x Tube Joiner P7 04-6mm</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x Page Fitting Instructions</li> <li>○ 1 x Page Fitting Kit Contents</li> <li>○ 3 x Pages Reference Pictures</li> </ul>

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

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

# TLC100IFSEFR REFERENCE PHOTOS



Pic 1



Pic 2



TLC100IFSEFR REFERENCE PHOTOS



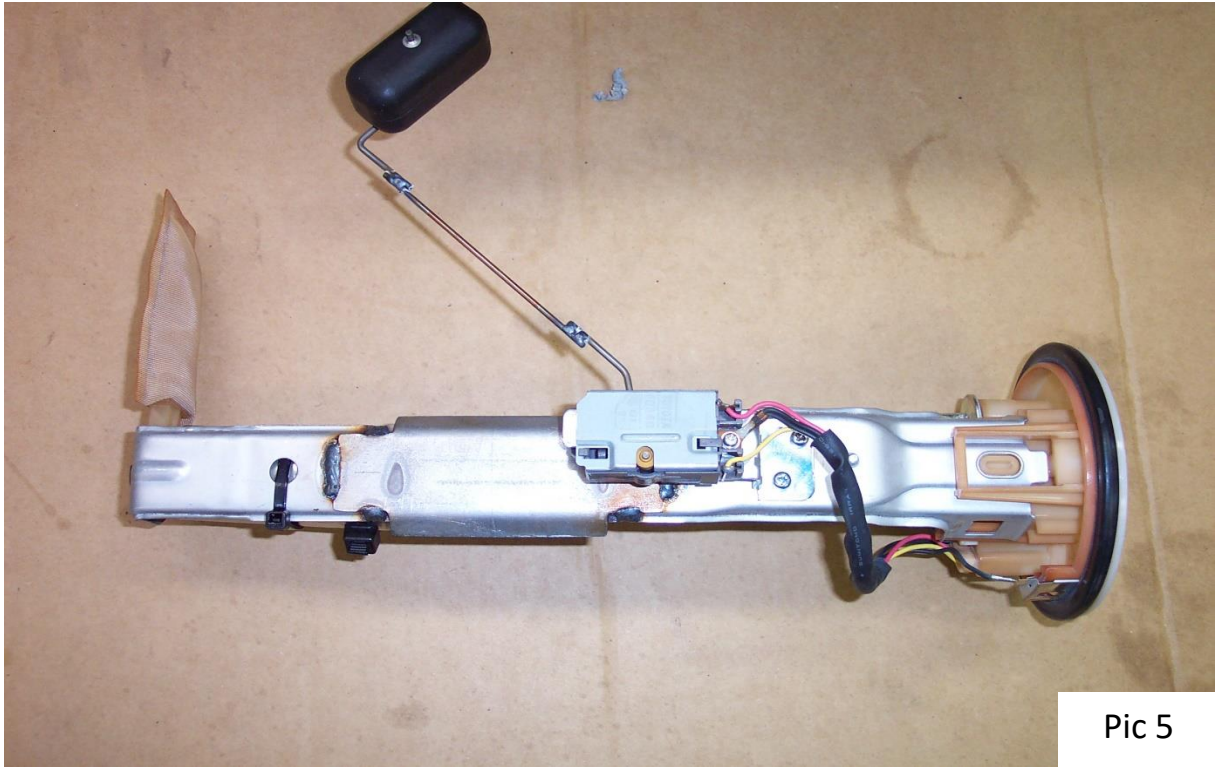
Pic 3



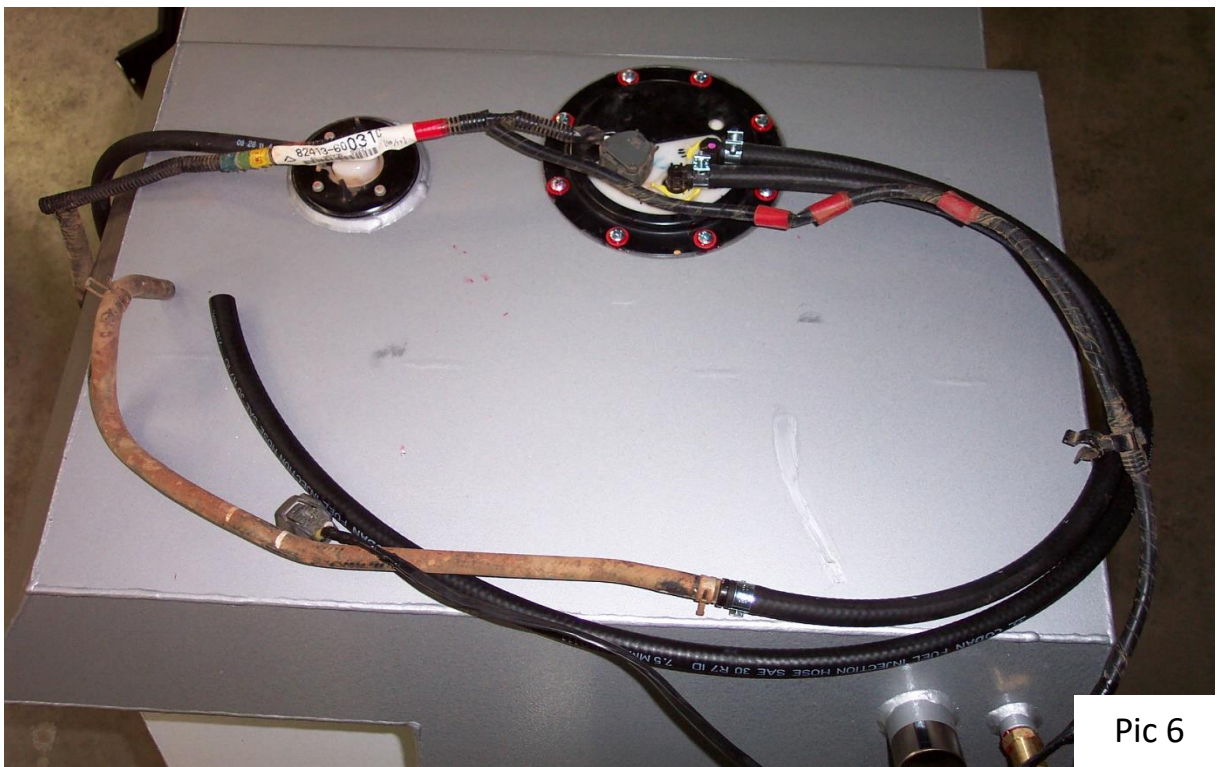
Pic 4



TLC100IFSEFR REFERENCE PHOTOS



Pic 5



Pic 6