1998-2007 Toyota Land Cruiser 100 Series 38 Gallon Replacement Tank Instructions

Product Information/Install Instructions for

Toyota Land Cruiser 100 Series/ LX 470 Main Replacement Tank

Kit P/N TLC100IFSDFR

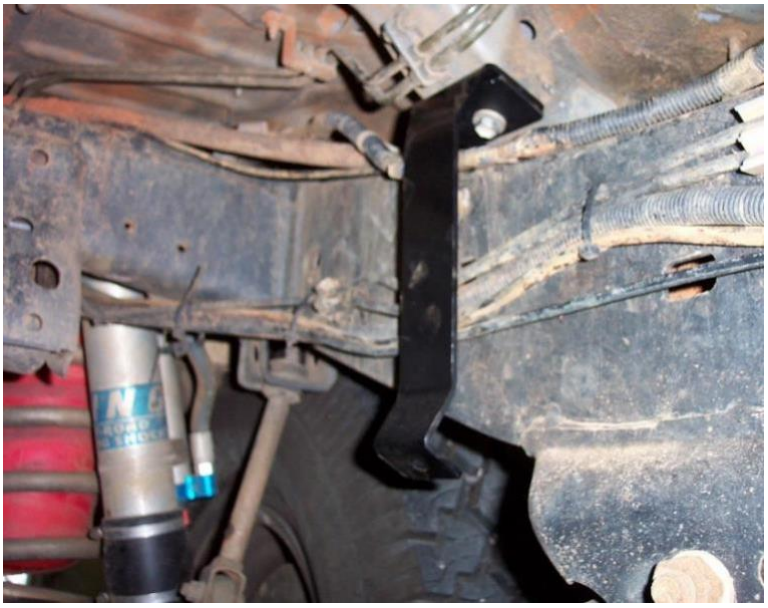


12/20 - TL

Brass	Electrical
o 1 x P3 5/8 x 1/4 Straight	o 1 x 3mm Two Core @ 800mm o 4 x 3mm Shrink Tube @ 25mm o 1 x 6mm Conduflex @ 1200mm
Bolts / Nuts	Misc Parts
o 1 x M8 x 30mm Bolt o 2 x M8 x 100mm Bolts o 1 x M8 x 20mm Washer o 4 x M8 x 25mm Washers o 1 x M8 x Spring Washer o 4 x M8 Nyloc Nuts o 2 x M10 x 40mm Bolts o 1 x M10 x 100mm Bolt o 5 x M10 x 25mm Washers o 3 x M10 Nyloc Nuts o 1 x M12 Nyloc Nut o 1 x M12 Washer o 3 x TEK Screws o 1 x M6 Nyloc Nut o 8 x M5 x 8mm Cap Screws o 8 x M5 Washers	o 1 x 12.7mm Tube @ 78mm o 1 x 2.5mm Rod @ 100mm o 2 x Tank Straps – Front & Rear o 2 x Strap Extension Brackets – Long & Short o 6 x Strap Reinforcing Plates 50 x 30 x 3mm o 1 x Front Inner Strap Mount C-section o 1 x Rear Inner Strap Mount Floor Plate o 1 x Strap Rubber @ 125mm o 1 x Strap Rubber @ 175mm o 1 x Strap Rubber @ 785mm o 1 x Strap Rubber @ 885mm o 1 x 60mm x 3mm Rubber @ 490mm o 1 x 60mm x 3mm Rubber @ 560mm o 2 x Strap Extension Reinforcing Plates o 1 x TLC100F Hold Down Ring o 1 x BS345 O-Ring
Hose	Hose Clamps
o 1 x 6mm Fuel Hose @ 1500mm o 1 x 8mm Fuel Hose @ 1000mm o 2 x 12mm Fuel Hose @ 50mm o 1 x 12mm Fuel Hose @ 1000mm	o 2 x 1/4" Hose Clamps o 6 x 1/2” Hose Clamps o 1 x 13mm P Clip o 1 x 16mm P Clip o 1 x 25mm P Clip
Cable Ties	4 Pages Fitting Instructions Consisting Of
o 4 x 7” Cable Ties o 3 x 11” Cable Ties	o 1 x Page Fitting Instructions o 1 x Pages Fitting Kit Contents o 2 x Pages Reference Pictures

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 sender / pickup assembly from the OE tank and lengthen the fuel pickup with 78mm length of 12mm tube and the two 50mm lengths of 12mm hose. Lengthen the float arm by 80mm using the 100mm length of 2.5mm rod, this allows for a 10mm overlap on the joins. Fit the unit to the tank with BS345 O-ring, M5 x 8mm cap screws, washers and new hold down ring and check the full to empty float arm travel. Fit the OE roll over valve to the tank.

4. Screw the P3 5/8 x 1/4 straight fitting into the tank. Lengthen the wires that go to the solenoid valves by 800mm. 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 into 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.



A. Are all hose clamps tight and secure?

B. Are all nuts and bolts secured?

C. Are mounting brackets and straps secure?

D. Are Fuel Gauge Sending Unit bolts secured?

E. Are all fuel lines secure with no kinks?

F. Does tank interfere with, or rub on, other vehicle components?

G. Is tank calibration accurate?

☐ Congratulations! You have completed the install!