



Installation Instructions for: TLC100DFR-M Toyota LandCruiser 100 Series, 150lt Diesel Front Replacement Tank

Updated
4/22 - TL

This tank is a replacement for the original front main tank. The operation will remain as per original

1. Remove original fuel tank from vehicle this is easiest done by disconnecting the wiring loom plugs near the fuel solenoids at the rear of the tank and at the L/H/R door sill. Remove hand brake cable retainers. Disconnect all hoses from tank including filler hose. Tank can now be removed as an assembly.
2. Remove rear seats and lift floor coverings to reveal inspection hatch in floor. Remove rollover valve from OEM tank and install into new tank. Rework sender/fuel pick-ups as per diagram and install into new tank with BS345 O-ring and M5 x 8mm cap screws, washers and new hold down ring. Check float arm operation. Remove long strips of rubber from the floor side of OEM tank and glue onto the stiffening channels on floor pan. Use the tank locator lug as a reference point for measurements and rubber strip positioning.
3. Using twin core wire and heat shrink provided, extend wiring long between sender plug and solenoid plugs. Discard the rubber sections of OEM fuel Hoses and install the new hoses provided. Point all hoses and wires out to R/H side of the tank.
4. Install new short sections of tank strap to the original mounting points on L/H side. Install fast fill fitting into socket on tank and fit fill and fast fill hoses to tank. Lift tank up into position, feeding the fill hose onto the fill pipe as you guide the tank into position. Ensure hoses and wires aren't pinched and tank is on the correct position. (Check locator on top of tank.) Bolt secondary mounting bracket to the floor to form front inner strap anchoring point. (A hole saw may be needed to make a hole for the bolt head to sit in. Then cross drill and bolt bracket using M8 x 100mm bolt). Fit the straps to the mounts. Rear inner strap mounting hole will need to be drilled, then use floor mounting plate, stiffening washer with nyloc nut to secure strap. Secure park brake cable to the M8 stud on the strap.
5. Connect all hoses and wires. Remount check valve to floor as high as possible (over rear axle) using Tek screw provided. Refit floor coverings and rear seats. Fill with fuel and check for leaks.



FITTING KIT CONTENTS TLC100DFR-M

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Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1 x P3 5/8 x 1/4 Straight 	<ul style="list-style-type: none"> ○ 1 x 3mm 2 Core @ 800mm ○ 4 x Heat Shrink @ 25mm
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 2 x M8 Nyloc Nut ○ 1 x M8 x 25mm Bolt ○ 1 x M8 x 100 Bolt ○ 3 x M8 x 20mm Flat Washer ○ 1 x M8 Spring Washer ○ 2 x M10 x 30mm Bolt ○ 6 x M10 x 25mm Flat Washer ○ 4 x M10 Nyloc Nuts ○ 3 x Tek Screws ○ 8 x M5 x 8mm Cap Screws ○ 8 x M5 Washers 	<ul style="list-style-type: none"> ○ 2.5mm Rod @ 100mm ○ 1 x 12mm Tube @ 78mm ○ 1 x R/H/F Mounting Bracket with M10 x 40 Bolt Welded in ○ 1 x Floor Plate with M10 x 90 Bolt Welded in ○ 1 x Front Strap ○ 1 x Rear Strap with M8 Stud ○ 1 x Set of Short Straps (Front and Rear) ○ 2 x 75 x 42 Strap Reinforcing Plates ○ 1 x 50 x 35 Strap Reinforcing Plate ○ 5 x 50 x 30 Strap Reinforcing Plates ○ 2 x 50mm Strap Rubber @ 125mm ○ 1 x 50mm Strap Rubber @ 720mm ○ 1 x 50mm Strap Rubber @ 800mm ○ 1 x TLC100F Hold Down Ring ○ 1 x BS345 O-Ring
Hose Clamps:	Cable Ties:
<ul style="list-style-type: none"> ○ 2 x 1/4" Hose Clamps ○ 6 x 1/2" Hose Clamps ○ 1 x 13mm P-Clip ○ 1 x 16mm P-Clip 	<ul style="list-style-type: none"> ○ 4 x 7" Cable Ties ○ 3 x 11" Cable Ties
Hose:	3 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x 6mm Fuel Hose @ 1500mm ○ 1 x 6mm Fuel Hose @ 1000mm ○ 1 x 10mm Fuel Hose @ 1000mm ○ 2 x 12mm Fuel Hose @ 50mm ○ 1 x 6mm Conduflex @ 1200mm 	<ul style="list-style-type: none"> ○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page Fuel Sender/Pick Up Drawings

Kit Packed By _____

Checked By _____

Toyota Landcruiser 100 Series pick up / sender
rework. Diesel. THC100FR.

