



LONG RANGE AUTOMOTIVE

Installation Instructions for TLC100EFR-A Toyota Landcruiser 100 Series Petrol Auto 145L Replacement Tank

This tank is a replacement for the original front tank. It will not suit the IFS, only the live axle. The original gauge sender/pick-up and filler operation will remain as per original. It suits the automatic transmission only.

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 LH rear 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/pick-up as per diagram and install into new tank with BS345 O-ring, 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 new tank in line with stiffening channels in floor pan. Use the locator lugs as a reference point for measurements and rubber strip positioning.
3. Using twin core wire and heat shrink tube provided, extend wiring loom 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 the RH side of the tank (use care when lifting tank into vehicle that none of these hoses/wires are pinched between the tank and the body.)
4. Install new short sections of tank strap to mounting points on LH side. Install fast fill fitting into socket on tank and fit fill and fast fill hoses to tank. Lift tank up into position. Ensure hoses and wires aren't pinched and tank is in correct position. (Check locator on top of tank.) Bolt secondary mounting bracket to floor to form front inner strap anchoring point (**Refer Pic 1**). (A hole saw may be needed to make a hole for bolt head to sit in. Then cross drill and bolt bracket using M8 x 100mm bolt). Fit straps to mounts. Rear inner strap mounting hole will need to be drilled (**Refer Pic 2**), then use floor mounting plate, stiffening washer and nyloc nut to secure strap. Secure park brake cable to the M8 stud on the strap.
5. Connect all hoses and wires. Cable tie all hoses and wiring neatly in place. Fill with fuel and check for leaks.



FITTING KIT CONTENTS – TLC100EFR-A

Brass:	Electrical:
1 x P3 1/2 x 1/4 Straight	○ 1 x 3mm Single Core Black Wire @ 75mm ○ 1 x 3mm Single Core Blue Wire @75mm ○ 1 x 3mm Two Core Wire @ 800mm ○ 4 x 25mm Long Heat Shrink ○ 4 x 25mm Long Fuel Resistant Heat Shrink ○ 1 x 6mm Conduflex @ 1200mm
Bolts / Nuts:	Misc Parts:
○ 1 x M8 x 25 Bolt ○ 1 x M8 x 100 Bolt ○ 2 x M10 x 30 Bolts ○ 1 x M8 Spring Washer ○ 3 x M8 x 20 Washers ○ 6 x M10 Flat Washers ○ 2 x M8 Nyloc Nuts ○ 4 x M10 Nyloc Nuts ○ 1 x M10 Plain Nut ○ 8 x M5 x 8mm Cap Screws 8 x M5 Washers	○ 2 x 75 x 42 Strap Reinforcing Plates ○ 1 x 50 x 35 Strap Reinforcing Plates ○ 5 x 50 x 30 Strap Reinforcing Plates ○ 1 x RHF Mounting Bracket w M10 x 40 Bolt welded in ○ 1 x Floor Plate With M10 x 100 Bolt Welded In ○ 1 x Front and Rear Short Straps ○ 1 x Front and Rear Long Straps ○ 2 x 50mm Strap Rubber @ 125mm ○ 1 x 50mm Strap Rubber @ 800mm ○ 1 x 50mm Strap Rubber @ 720mm ○ 1 x Fuel Pump Cradle Extension ○ 1 x TLC100F Hold Down Ring ○ 1 x BS345 O-Ring
Hose Clamps:	Cable Ties:
○ 4 x 1/4" Hose Clamps ○ 2 x 1/2" Hose Clamps 4 x EFI Hose Clamps	○ 2 x 7" Cable Ties ○ 2 x 11" Cable Ties
Sender:	Pumps & Filters:
○ 1 x 2.5mm Rod @ 90mm	
Hose:	5 Pages of Fitting Instructions Consisting of:
○ 1 x 6mm Hose @ 1000mm ○ 1 x 6mm Hose @ 1500mm ○ 1 x EFI Hose @1000mm ○ 1 x Intank EFI Hose @ 120mm	○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 2 x Page Fuel Pump Modification Diagram ○ 1 x Page Reference Photos

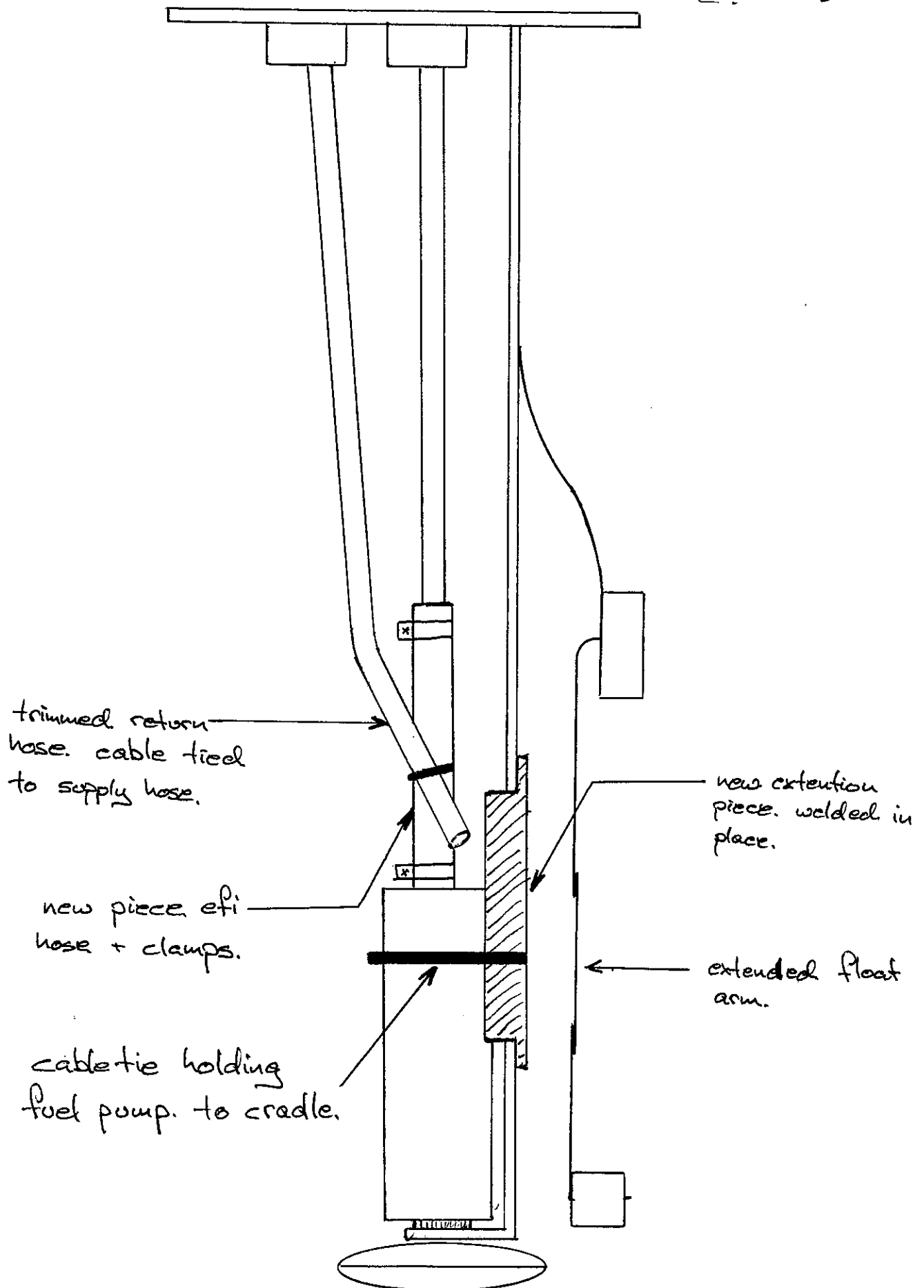
Kit Packed By _____

Checked By _____

TLC100EFR-A REFERENCE PICTURES



100 Series Landcruiser. front replacement.
modified. fuel pump cradle.
(Petrol.)



100. Series. Front. Replacement tank
Fuel pump mods.
(Petrol)

