



Installation Instructions for TLC75TA
Toyota Landcruiser HJ75/FJ75 Tray
85L Auxiliary Tank – No Exhaust Mods

This auxiliary tank fits forward of the rear axle on the left hand side of the drive shaft and steps up and over the drive shaft to the right hand side. Fuel is transferred via an electric pump that will pump fuel from the auxiliary tank into the OEM tank. A combination switch/gauge will be located into a suitable position in the dash. When the switch is in operation an **ORANGE** light will be on, indicating that the transfer pump is in operation. A series of lights will also indicate fuel level. All **GREEN** lights ON showing FULL, one **RED** light flashing showing empty.

(DO NOT OPERATE TRANSFER PUMP WITH NO FUEL IN AUXILIARY TANK OR PUMP FAILURE WILL OCCUR).

1. Locate an available blank in dash and install switch/gauge and wiring loom. Run wiring loom over to fuse box area, remove R/H kick panel and scuff plate. Locate grommet of approx. 25mm in diameter in floor, adjacent to scuff plate. Run twin core wire down through grommet and complete wiring as per diagram. (**NOTE:** A suitable 12V ignition power source can be found at the back of the fuse box). Refit trim previously removed and neatly cable tie wires.
2. Disconnect park brake cable from rear wheels, also disconnect cable guides and cable guide out rigger from crossmember. Cut cable guide with rubber so that a square section of rubber remains around cable, (this will act as an insulator when cable is run through tank). Pull cable forward and leave hanging in front of crossmember. Remove and discard cable guide that was fixed to the top of the axle housing. Fit crossmember supplied over the top of the chassis rails, just forward of the suspension bump stops, (the left side of this crossmember measures 390mm from bolt centre to the end of the crossmember).
3. Check OHMS reading of gauge sender prior to installing tank and with the sender installed. Readings should be 0.5 - 2.5 @ **EMPTY** and 88 - 92 @ **FULL** (check full reading by inverting tank). Remove rear section of drive shaft (mark shaft and yoke for gaining correct alignment later on). Lift tank up into position, front mounting tags will sit on top of crossmember, the LH front mounting tag will line up with the captive nut, then RH front mounting tag will use the small secondary bracket, this

will then line up with a factory drilled hole in the front face of the crossmember. Mount rear of tank to new crossmember and secure tank. Drill mounting holes in chassis for new crossmember and secure using M10 bolt and nuts welded to straps.

4. Install all brass fitting to tanks, 1/2 x 1/4 fitting goes in socket next to filler, 1/4 x 1/4 fitting goes in expansion box socket and 5/16 x 1/4 elbow goes in pick up socket and points towards to RH side of the vehicle. Mount fuel transfer pump in a suitable position along the RH side. Install 12 x 12 x 8 T piece into OEM fast fill hose and 1/4 x 1/4 x 1/4 T piece into OEM vent hose between the tank and the check valve. Connect vent and transfer hoses to T pieces, install filler neck, fill hose and fast fill hose. Connect any remaining hoses and wires and neatly cable tie them away from any moving parts or heat sources. Secure filler neck to tray with mounting bracket.
5. Refit park brake cable by feeding cable through tube in tank. Refit rear section of drive shaft, check park brake operation, fill with fuel and check operation of transfer pump and fuel gauge, also check for leaks.

NOTE: USE HIGH QUALITY SEALER ON ALL JOINTS AND FITTINGS E.G. PERMATEX 3J



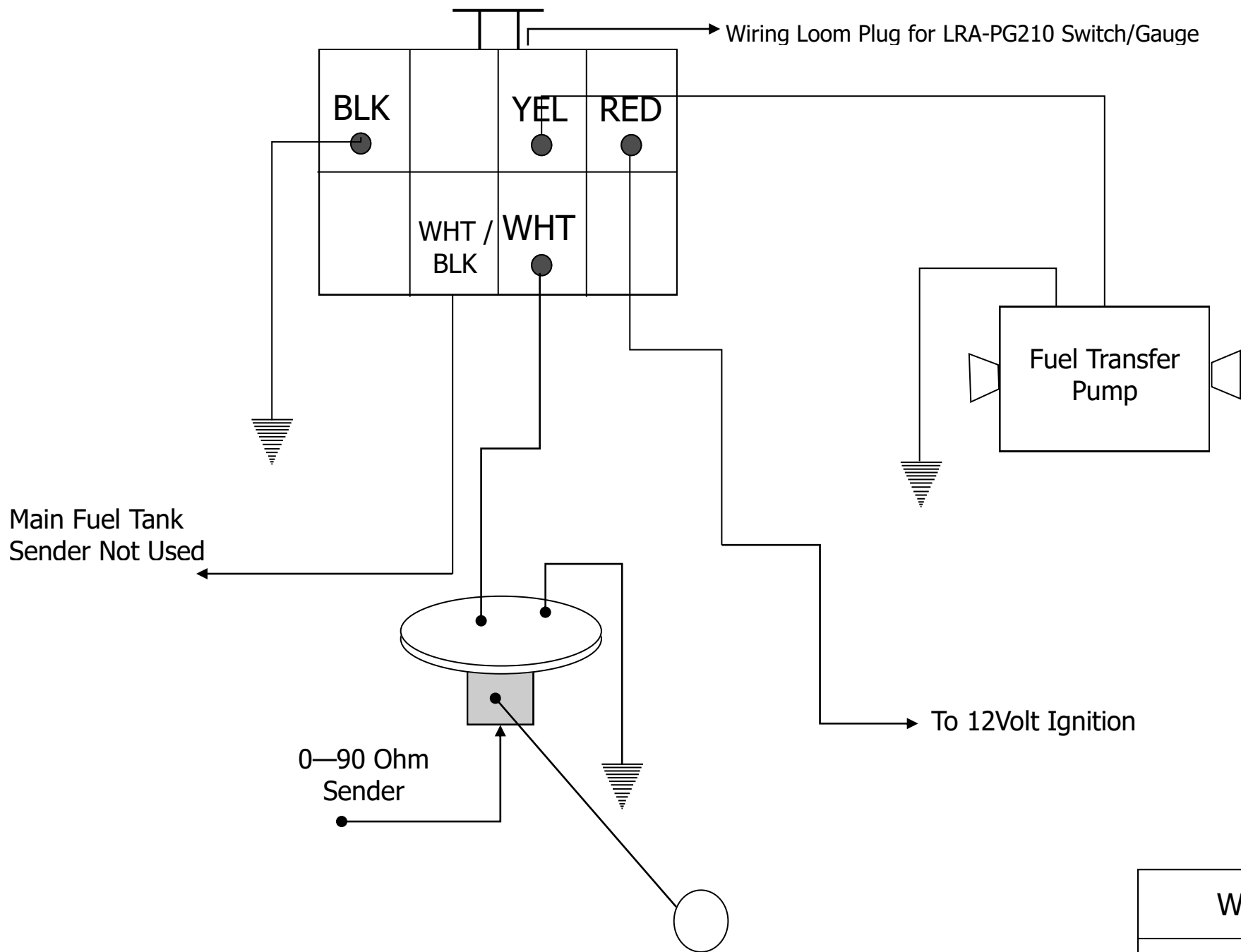
FITTING KIT CONTENTS TLC75TA - TRAY

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1 x P14 1/4 x 1/4 6mm Tee ○ 1 x P6 5/16 x 1/4 8mm Elbow ○ 1 x P3 1/2 x 1/4 12mm Straight ○ 1 x 12mm x 8mm Reducing Tee ○ 1 x P3 1/4 x 1/4 6mm Straight 	<ul style="list-style-type: none"> ○ 1 x 3mm Two Core Wire @ 4000mm ○ 1 x LRA-PG210 Switch/Gauge ○ 1 x Red Insulated Terminal ○ 1 x 8mm Blue Earth Eye ○ 1 x 6mm Blue Earth Eye ○ 4 x 3mm Heat Shrink
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 5 x M5 x 10mm Pan Head Screws ○ 3 x M10 x 30mm Bolts ○ 3 x M10 Nyloc Nuts ○ 4 x M10 Washers ○ 2 x M10 Spring Washers ○ 1 x M8 x 25 Bolt ○ 1 x M8 Flat Washer ○ 1 x M8 Spring Washer ○ 3 x M5 x 12 Pan Head Screws ○ 3 x M5 Nuts ○ 2 x M6 x 16 Bolts ○ 2 x M6 Nuts ○ 2 x M6 Washers ○ 2 x M6 Spring Washers 	<ul style="list-style-type: none"> ○ 1 x 44mm Straight Filler Neck ○ 1 x Locking Cap ○ 1 x Filler Neck Mounting Plate ○ 1 x Front Secondary Bracket ○ 1 x Rear Cross Member with Bolts Welded On ○ 2 x 30 x 25 Plate with M10 Nut and 300mm Wire Attached ○ 1 x 6mm Conduflex 1400mm
Hose Clamps:	Cable Ties:
<ul style="list-style-type: none"> ○ 10 x 1/4" Hose Clamp ○ 4 x 1/2" Hose Clamp ○ 2 x 1 1/2" Hose Clamp 	<ul style="list-style-type: none"> ○ 12 x 7" Cable Ties ○ 2 x 11" Cable Ties
Sender:	Pumps & Filters:
<ul style="list-style-type: none"> ○ 1 x 0-90 OHM Fuel Sender ○ 1 x 200mm Earth Wire 	<ul style="list-style-type: none"> ○ 1 x Fuel Pump ○ 1 x Z14K Fuel Filter

Hose:	5 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x 44mm Fuel Hose @ 300mm ○ 1 x 12mm CMP Hose @ 400mm ○ 1 x 8mm Fuel Hose @ 2000mm ○ 1 x 6mm Fuel Hose @ 2250mm 	<ul style="list-style-type: none"> ○ 2 x Pages Fitting Instructions ○ 2 x Pages Fitting Kit Contents ○ 1 x Page Wiring Diagram

Kit Packed By_____

Checked By _____



WDSGPG210