



Installation Instructions for TLC100AXLA Toyota Landcruiser 105 Series Live Axle 150L Auxiliary Fuel Tank

This auxiliary tank fits up under the rear of factory single tank Live Axle Landcruiser. It works on a fuel transfer system using an electric pump to pump fuel into the original fuel tank. The original filler neck will require modification to allow the installation of a new twin filler neck.

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** flashing light showing EMPTY. Once empty the pump will automatically shut off after 2 minutes.

1. Install wiring and switch gauge as per drawings. Remove drivers kick panel & scuff plate and lift carpet slightly to expose 25mm grommet in floor. This is a good exit point for twin core wire to be run through and up to the rear of the vehicle. 12-volt ignition power is black/red wire found at ignition switch.
2. Cut OEM filler neck as per diagram & install new twin filler neck. Note fast fill hoses must be crossed over. Fast fill hose for front tank is connected to rear filler neck & vice versa, this prevents splash back or pump cutting out when filling. Mount fuel transfer pump to the rear of the body panel using new filler neck mounting bolt. Thread will be protruding towards the rear of vehicle making this possible. This mounting is also a good spot for fuel pump and gauge sender earth wires.
3. Install tank mounting brackets using OEM mounting holes as locating points and drill new holes as needed. Secure mounting brackets to chassis. Install 5/16 x 1/4 fitting into pick-up socket and connect hose. Spare socket will need 1/4 BSP plug fitted. Lift tank into position & secure. Install fast fill fitting & connect all hoses and wires.
4. Fill with fuel and check for leaks.



FITTING KIT CONTENTS TLC100AXLA

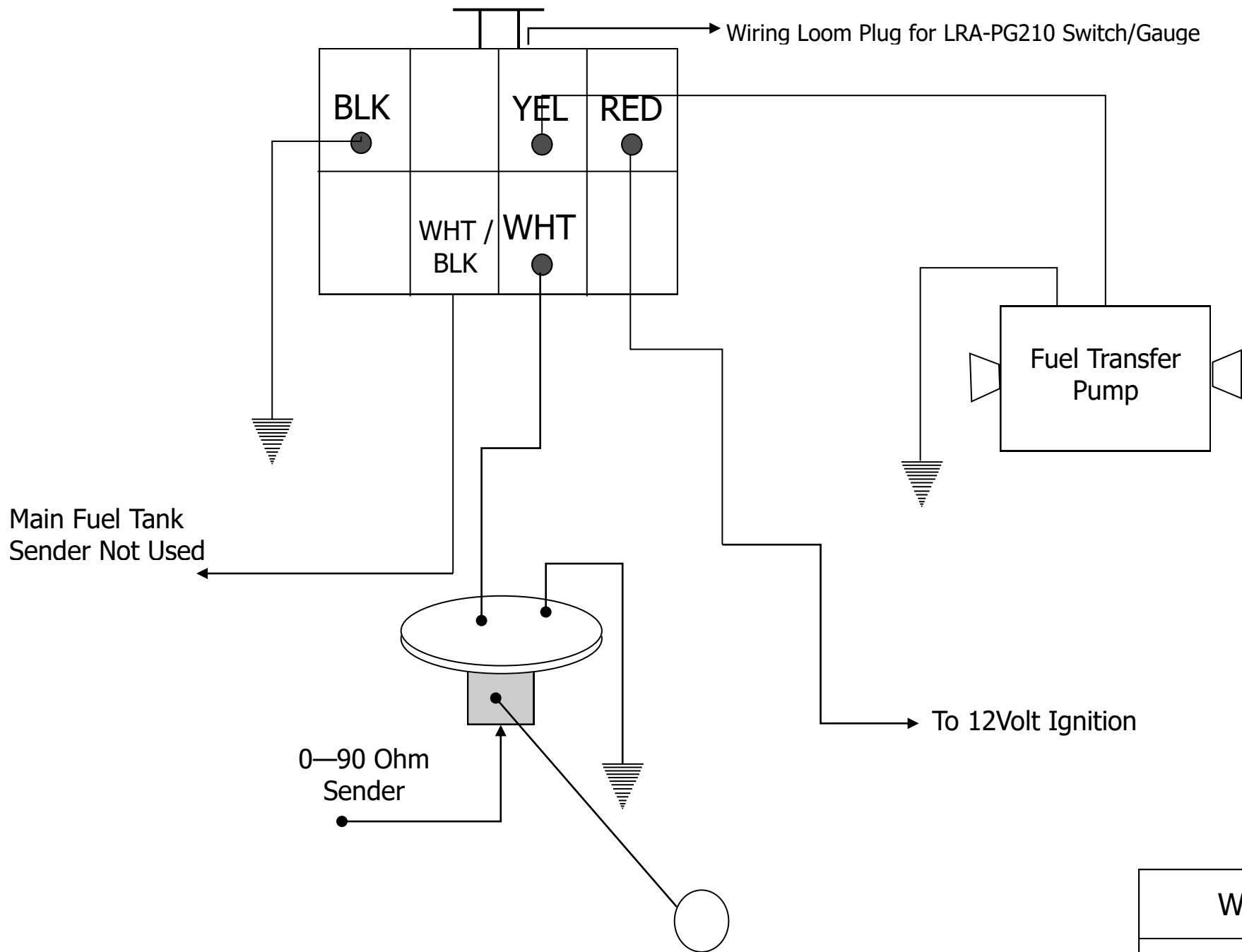
Updated 5/21 - TL

Brass	Electrical
<ul style="list-style-type: none"> ○ 1 x P3 5/16 x 1/4 Hose Barb Straight ○ 1 x P6 5/16 x 1/4 Elbow ○ 1 x P3 1/2 x 1/4 Straight ○ 1 x 1/4 BSP Plug 	<ul style="list-style-type: none"> ○ 1 x 3mm Two Core Cable @ 6000mm ○ 3 x Red Insulated Terminals ○ 1 x Red Eye Terminal ○ 1 x 8mm Blue Eye Terminal ○ 2 x Red Male Terminals
Bolts / Nuts	Misc Parts
<ul style="list-style-type: none"> ○ 3 x M8 x 25 Bolts ○ 12 x M8 Flat Washers ○ 2 x M8 Spring Washers ○ 2 x M10 Flat Washers ○ 4 x M12 Flat Washers ○ 2 x M10 Nyloc Nuts ○ 1 x M8 Nut ○ 10 x M8 Nyloc Nuts ○ 2 x M12 x 30 Bolts ○ 2 x M12 Nyloc Nuts ○ 5 x M5 x 8mm Pan Head Screws (for sender) 	<ul style="list-style-type: none"> ○ 1 x TF100TLCEXP Twin Filler Neck ○ 1 x Front Tank Mounting Bracket ○ 1 x Rear Tank Mounting Bar ○ 10 x M8 x 25mm Bolts with 200mm Straps ○ 1 x LRA-PG210 Switch/Gauge Unit
Hose Clamps	Cable Ties
<ul style="list-style-type: none"> ○ 6 x 1/4" Hose Clamps ○ 4 x 1/2" Hose Clamps ○ 4 x 1 1/4" Hose Clamps 	<ul style="list-style-type: none"> ○ 12 x 7" Cable Ties
Hose	Filters & Pumps
<ul style="list-style-type: none"> ○ 1 x 8mm Hose @ 1500mm ○ 1 x 12mm Hose @ 400mm ○ 1 x 12mm Hose @ 550mm ○ 1 x 35mm Fuel Hose @ 110mm ○ 1 x 32mm Fuel Hose @ 185mm ○ 5 x 3mm Shrink Tube @ 25mm 	<ul style="list-style-type: none"> ○ 1 x Fuel Pump ○ 1 x Z14K Filter ○ 1 x Fuel Pump Mounting Bracket

Sender	7 Pages of Fitting Instructions consisting of:
<ul style="list-style-type: none"> ○ 1 x Sender 0 – 90 OHM Set up and tested in tank with 500mm earth 	<ul style="list-style-type: none"> ○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 3 x Pages Installation Drawings

Kit Packed By_____

Checked By _____



WDSGPG210