



Installation Instructions for TLC40RA Toyota Landcruiser BJ/FJ 40-42 SWB 80L Auxiliary Tank

This auxiliary tank fits behind the rear axle. The system operates via a solenoid valve system. The fuel level of the auxiliary tank can be checked on the standard dashboard gauge as the sender unit in the auxiliary tank is connected via a relay to the dashboard gauge and is switched at the same time as the solenoid valve.

1. Screw all fittings into the auxiliary tank as per the diagram.
2. Carry out all necessary wiring and installation of switch, relay and solenoid valve.
3. Remove section of exhaust system from tank location area. (Due to the age of the vehicle the exhaust will vary from vehicle to vehicle.)
4. Lift the tank into position and fix with bolts and Nyloc nuts. (You will need to use the spacer blocks and longer bolts if you are fitting to a 1971 - 1979 model as there is not as much body to chassis clearance as on the later models.)
5. Hole saw a 63mm hole in the rear panel for the filler neck grommet as per the diagram. Connect the auxiliary tank filler to the steel filler neck with the hose supplied. Connect 500mm length of 12mm hose from 12mm hose barb straight onto the auxiliary tank to 12mm fast fill fitting on filler neck. Tee the 6mm line from the expansion chamber into the vent line on the original tank. Finish connection of the solenoid valve to the fuel pickup line with the filter between the valve and the pick-up. Connect the fuel sender wires. Reconnect the exhaust system. Fill with fuel and check system operation.

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



FITTING KIT CONTENTS TLC40RA

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1 x P3 1/4 x 1/4 6mm straight ○ 2 x P6 1/2 x 1/4 12mm elbow ○ 1 x P6 5/16 x 1/4 8mm elbow ○ 1 x P14 x 1/4 6mm tee ○ 1 x 1/4" plug 	<ul style="list-style-type: none"> ○ 1 x 3mm 5 core wire @ 1000mm ○ 1 x 3mm 2 core wire @ 5000mm ○ 1 x 10 AMP fuse & holder ○ 1 x 4mm single core wire @ 1000mm ○ 1 x on/off switch ○ 1 x change over relay ○ 6 x red insulated terminals ○ 1 x red plain terminal ○ 1 x blue insulated terminal ○ 3 x red earth eye
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 5 x M5 pan head screws for sender ○ 2 x M10 x 30mm bolts ○ 2 x M10 x 50mm bolts (use with spacer block) ○ 2 x M10 Nyloc nuts ○ 4 x M10 washers ○ 2 x M8 x 85mm bolts ○ 2 x M8 x 100mm bolts (use with spacer block) ○ 2 x M8 Nyloc nuts ○ 4 x M8 washers 	<ul style="list-style-type: none"> ○ 1 x Filler neck #FNTLC40RA ○ 1 x Locking Fuel Cap Petrol/Diesel ○ 1 x filler neck mounting grommet ○ 1 x spacer block @ 100 x 50 x 20 ○ 1 x spacer block @ 150 x 50 x 20 ○ 1 x spacer block @ 300 x 50 x 20 ○ 1 x 3 Port Solenoid Valve
Hose Clamps:	Hose:
<ul style="list-style-type: none"> ○ 10 x 1/4" hose clamps ○ 2 x 1/2" hose clamps ○ 2 x 1 1/2" hose clamps 	<ul style="list-style-type: none"> ○ 1 x 8mm fuel hose @ 1200mm ○ 1 x 6mm CMP hose @ 1500mm ○ 1 x 12mm CMP hose @ 500mm ○ 1 x 44mm fuel hose @ 100mm
Pumps & Filters:	Cable Ties:
<ul style="list-style-type: none"> ○ 1 x WZ14 Filter 	<ul style="list-style-type: none"> ○ 10 x 7" cable ties ○ 5 x 11" cable ties

Sender:	6 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x 220-004 VDO sender set up in tank with 10-117 OHM board & 400mm earth lead 	<ul style="list-style-type: none"> ○ 1 x Page Fitting Instructions ○ 2 x Page Fitting Kit Contents ○ 1 x filler location drawing ○ 1 x fitting layout drawing ○ 1 x wiring diagram

Kit Packed By _____

Checked By _____

P6 1/2x1/4

P3 1/4x1/4.

Pick up.
P6 5/16x1/4.

THIS DRAWING REMAINS THE PROPERTY OF
LONG RANGE AUTOMOTIVE AND IS NOT TO BE DUPLICATED
WITHOUT PERMISSION

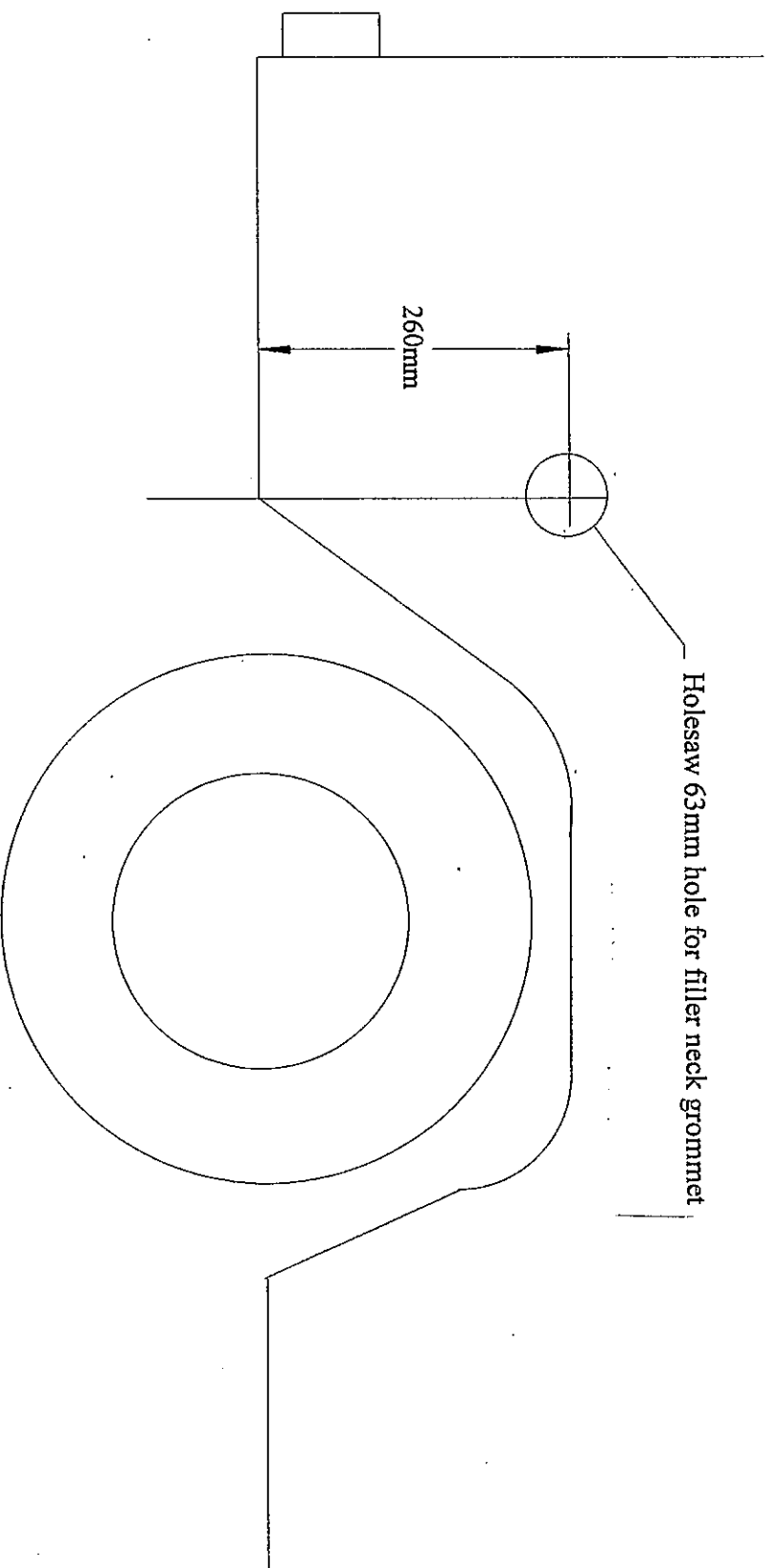


TLC40RA

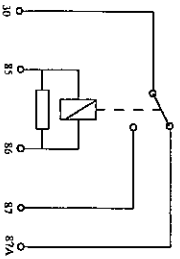
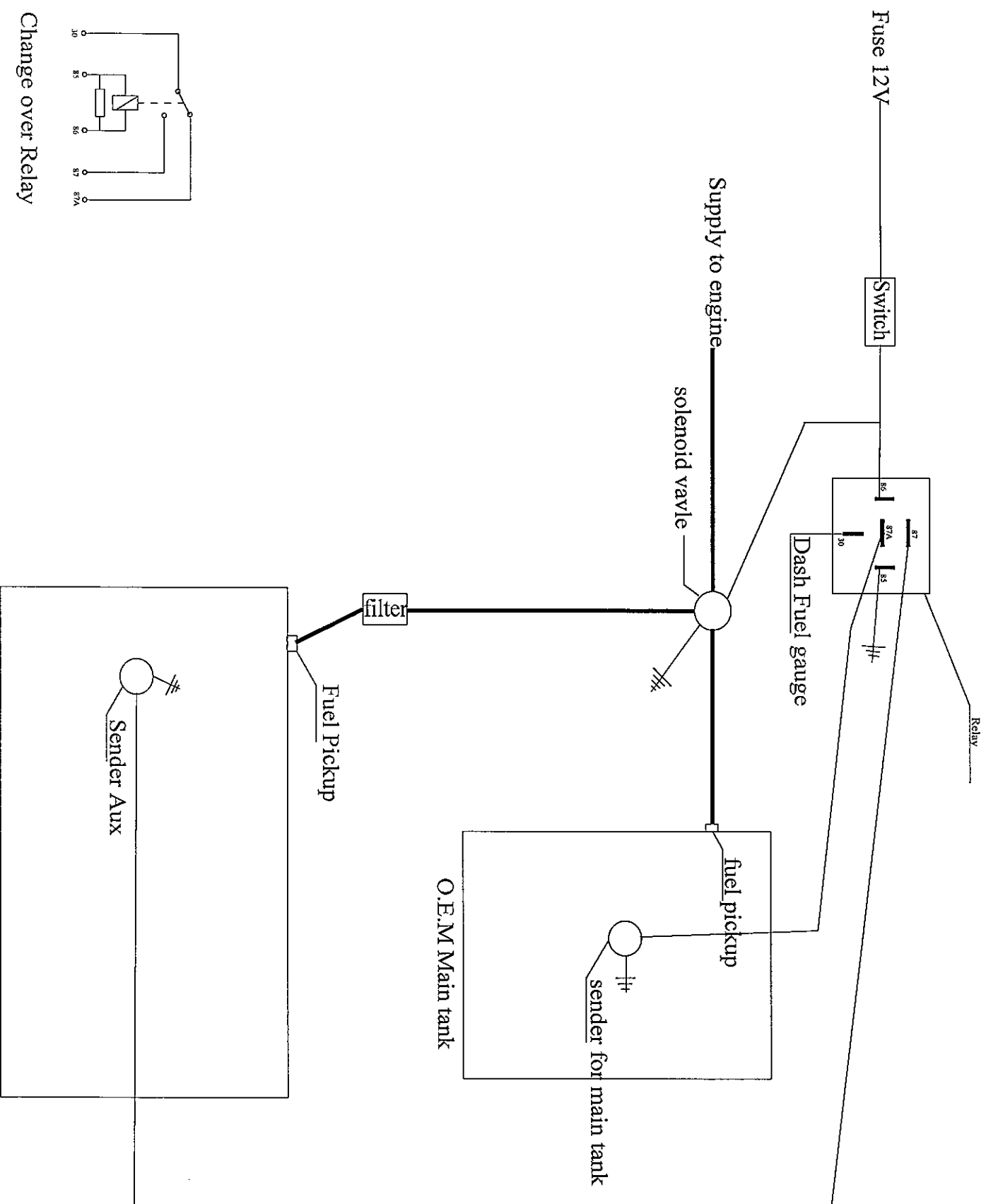
21/1/2013

Toyota Landcruiser 40 series SWB
rear aux tank.
Fitting location.

Filler location



Rear of vehicle



Change over Relay