



Installation Instructions for TH150RA Toyota HILUX 150 Series 120lt Auxiliary Tank

This Auxiliary tank fits under the rear of the vehicle and takes the place of the spare wheel. 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 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. Select a suitable location in the dash to mount the switch/gauge unit. We suggest loading it into one of the switch blanks. 12-volt ignition source can be found under the dash Black wire with yellow trace near the fuse block. The fuel transfer pump can be mounted to the underside of the ute tub.
2. Remove the L/H rear wheel arch cover and remove the spare wheel and winder mechanism.
3. Remove the STD filler neck and cut as per the filler neck mod drawing. Screw the brass fittings into the neck as per drawing. Refit to vehicle and connect the twin filler to the original fill pipe with the 80mm length of 35mm hose. Connect the original fast fill pipe to the P6 5/8 x 3/8 Elbow on the twin filler with the 250mm length of 16mm hose.
4. Place the two crossmembers in position and drill out remaining holes. Bolt bars in place with M10 x 30 Bolts with straps attached. (You will need to trim some of the heat shield away on the RHS between the spare wheel crossmember and the new front mounting bar.) Use the 80mm length of 76mm diameter tube to extend the heat shield on the tail pipe of the exhaust.
5. Screw the two P3 1/2 x 1/4 straight fittings into the RHS of the tank. Screw the P3 5/16 x 1/4 into the front of the tank, this becomes the fuel pick up. Screw the P3 1/4 x 1/8 into the expansion box on top of the tank and connect 1300mm length of the 6mm hose to it. Screw the P6 1/2 x 1/4 elbow into the LHS of the tank pointing forward.
6. Lift the tank into position and secure with M10 x 30 bolt washers and nyloc nuts. (Don't forget to connect the sender unit wire.)

7. Use the 400mm length of 12mm hose to loop the two fittings on the RHS of the tank, this is the balance hose. Connect the fuel pick up to the filter, pump and into the P6 5/16 x 1/8 in the main tank branch of the twin filler. Connect the 1300mm length of 6mm hose from the expansion box to the P6 1/4 x 1/8 elbow in the top of the twin filler. Connect the Auxiliary fill pipe with the 80mm and 100mm lengths of 38mm hose to the twin filler and the tank. Use the 1200mm length of the 12mm hose to connect the remaining Auxiliary tank fast fill vent to the P6 1/2 x 3/8 elbow on the twin filler.
8. Neatly cable tie all hoses and wiring. Check over all hoses and connectors. Replace wheel arch cover. Fill with fuel and check gauge and transfer pump operation.



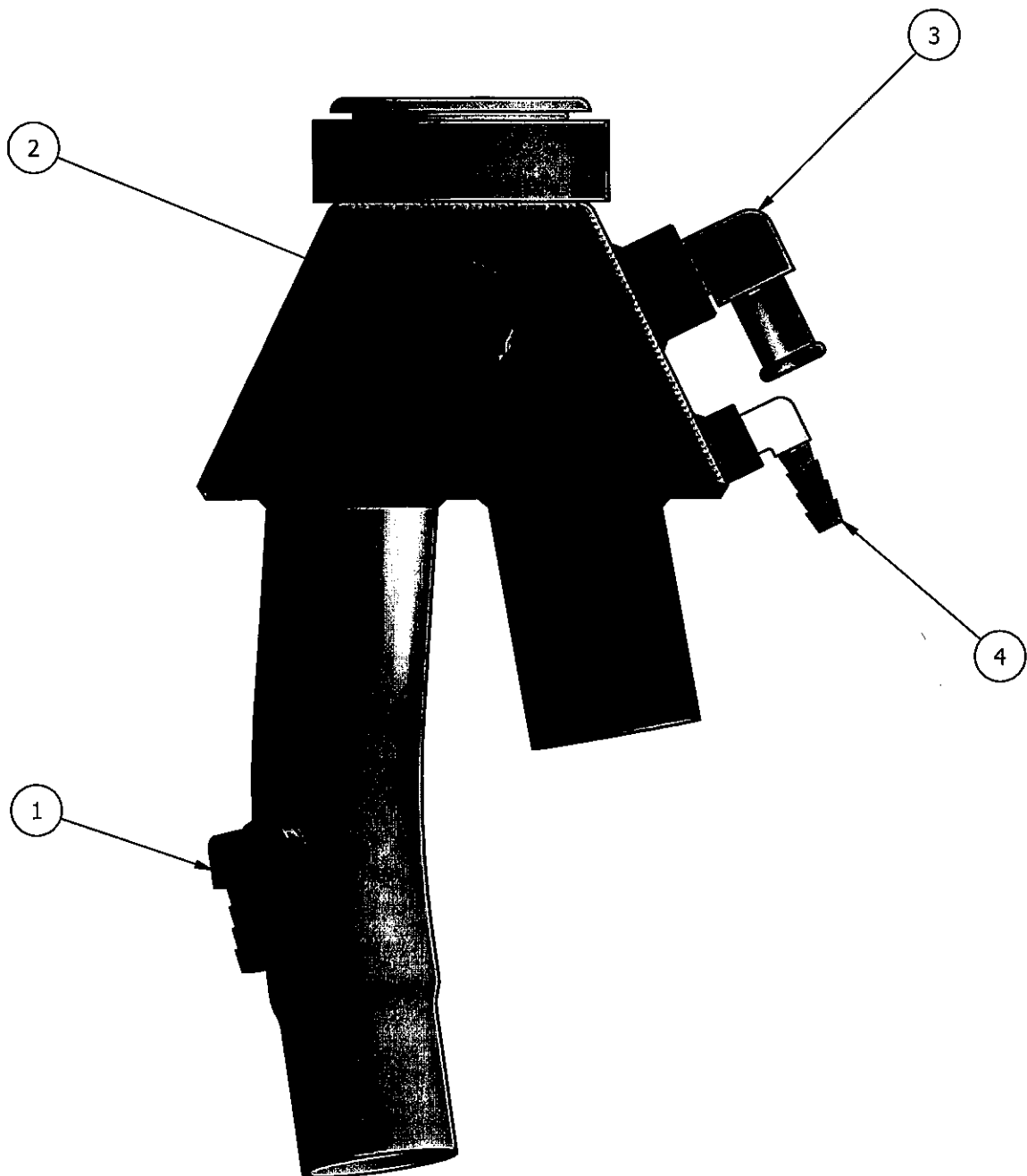
FITTING KIT CONTENTS TH150RA-TUB

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1X P3 1/4 x 1/8 6mm Straight ○ 1X P6 1/4 x 1/8 6mm Elbow ○ 1X P6 5/16 x 1/8 8mm Elbow ○ 1X P3 5/16 x 1/4 8mm Straight ○ 2X P3 1/2 x 1/4 12mm Straight ○ 1X P6 1/2 x 1/4 12mm Elbow ○ 1X P6 1/2 x 3/8 12mm Elbow ○ 1X P6 5/8 x 3/8 16mm Elbow 	<ul style="list-style-type: none"> ○ 1 X LRA-PG210 ○ 1 X 3mm Two Core @ 6Mt ○ 1 x 4mm Single Core Blue Wire @300mm ○ 1 X 3mm Single Core Black Wire @200mm ○ 1 x 5AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 1 X Red Insulated Terminal ○ 3 X Red Eye Terminal ○ 3 X 3mm shrink Tube@ 30mm
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 4 X M10 x 30 Bolt ○ 14 X M10 x 25 Washer ○ 14 X M10 Nyloc Nut ○ 10 X M10 Nut ○ 2 X Tek Screw ○ 4 X M10 x 30 Washer 	<ul style="list-style-type: none"> ○ 1 X Fill Pipe #FPTH 150RA ○ 1 X Twin Filler #FNTH150RA (Petrol/Diesel) ○ 1X Front Mount Bar ○ 1X Rear Mount Bar ○ 1X 3" Tube @80 (Shield) ○ 2 X M10 x 30mm Bolt w 5mm x 200mm Strap ○ 2 X M10 x 30mm Bolt w 5mm x 150mm Strap ○ 6 X M10 x 30mm Bolt w 5mm x 100mm Strap
Hose Clamps:	Hose:
<ul style="list-style-type: none"> ○ 8 x 1/4 Hose Clamp ○ 4 x 1/2 Hose Clamp ○ 2 x 5/8 Hose Clamp ○ 6 x 1 1/4 Hose Clamp 	<ul style="list-style-type: none"> ○ 1 X 6mm Fuel Hose @1300mm ○ 1 X 8mm Fuel Hose @800mm ○ 1 X 12mm Fuel Hose @1200mm ○ 1 X 12mm Fuel Hose @400mm ○ 1 X 35mm Fuel Hose @80mm ○ 2 X 38mm Fuel Hose @100mm ○ 1 X 16mm NTP Hose @250mm

Pumps & Filters:	Cable Ties:
<ul style="list-style-type: none"> ○ 1 x Fuel Pump & Filter ○ 1 x Fuel Pump Mounting Plate 	<ul style="list-style-type: none"> ○ 12 x 7" Cable ties
Sender:	7 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 X Sender 0-90 OHM C/W 500mm Earth, Installed With: 5 x M5 x 10 Pan Heads 5 x M5 Spring Washers 	<ul style="list-style-type: none"> ○ 2 x Pages Fitting Instructions ○ 2 x Page Fitting Kit Contents ○ 1 x Drawing Install – 1 ○ 1 x Drawing Install – 2 ○ 1 x WDSGPG210 Wiring Diagram

Kit Packed By_____

Checked By _____



Part Number	Quantity	Description
1	1	P6 5/16 x 1/8 Elbow
2	1	P6 5/8 x 3/8 Elbow
3	1	P6 1/2 x 3/8 Elbow
4	1	P6 1/4 x 1/8 Elbow



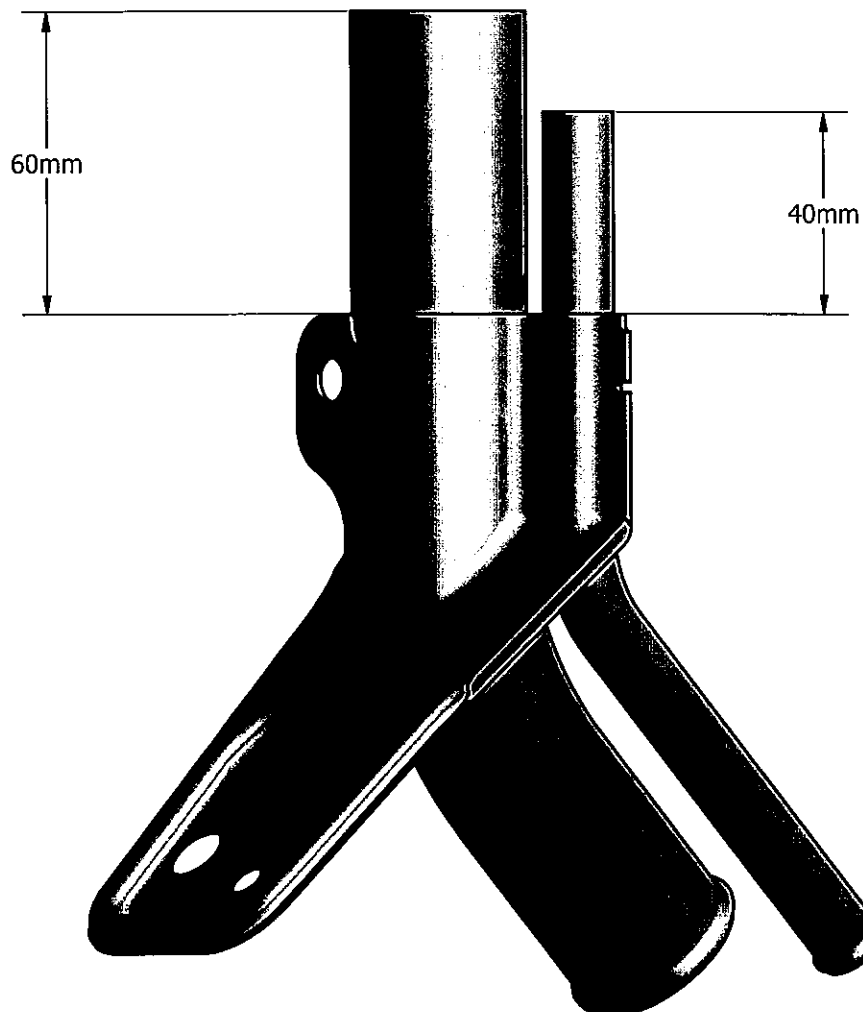
TH150RA

INSTALL-2

Toyota Hilux 150 series 2005-
rear auxiliary tank.
Twin filler assembly.

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LONG RANGE AUTOMOTIVE AND IS NOT TO BE DUPLICATED
WITHOUT PERMISSION

NOTE:
OEM filler must be removed from Vehicle
and cut as per diagram.



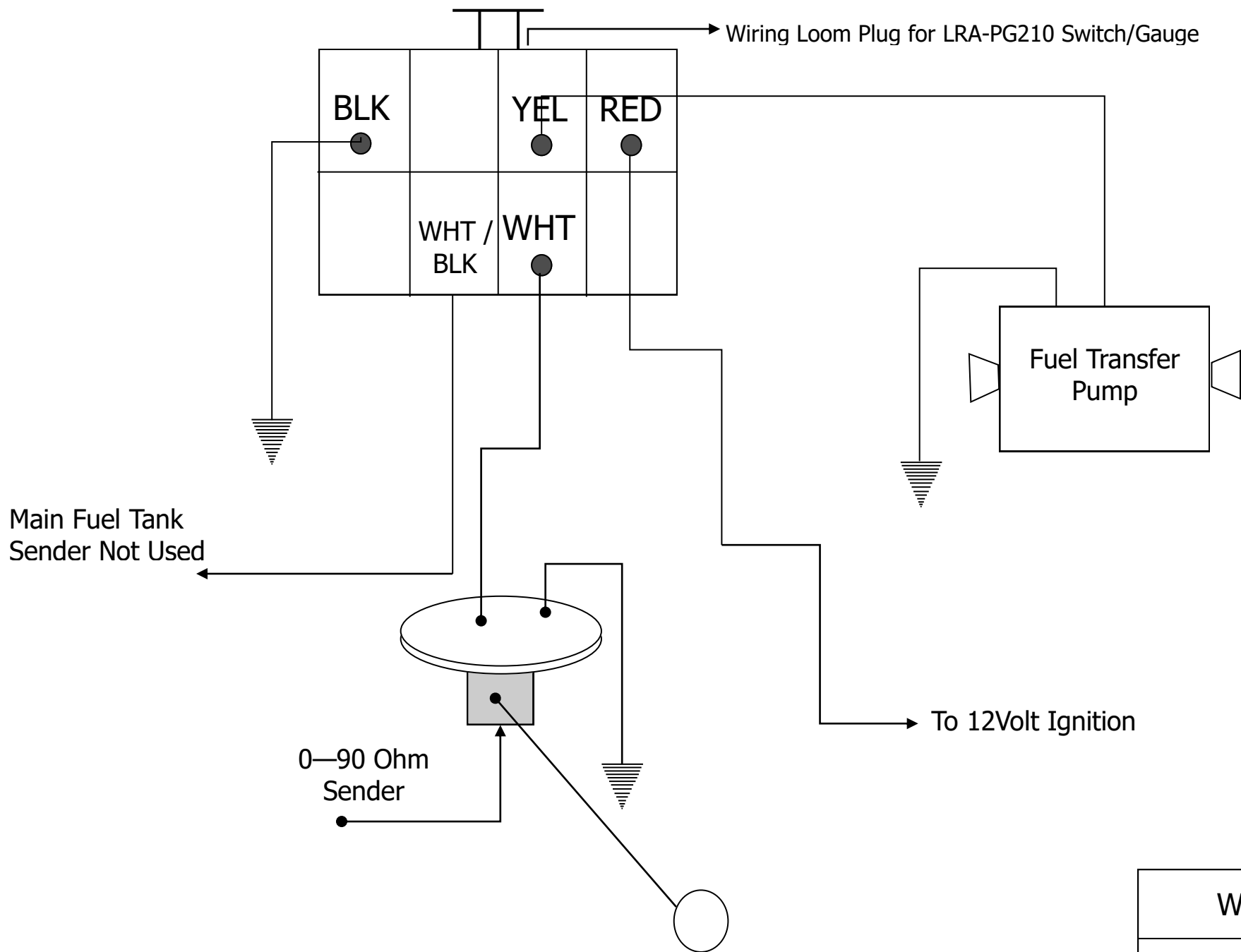
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TH150RA

INSTALL-1

Toyota Hilux 150 series 2005-
rear auxiliary tank.
OEM filler modification.



WDSGPG210