



## **Installation Instructions for IMUXRA Isuzu M-UX 90LT Auxiliary Tank**

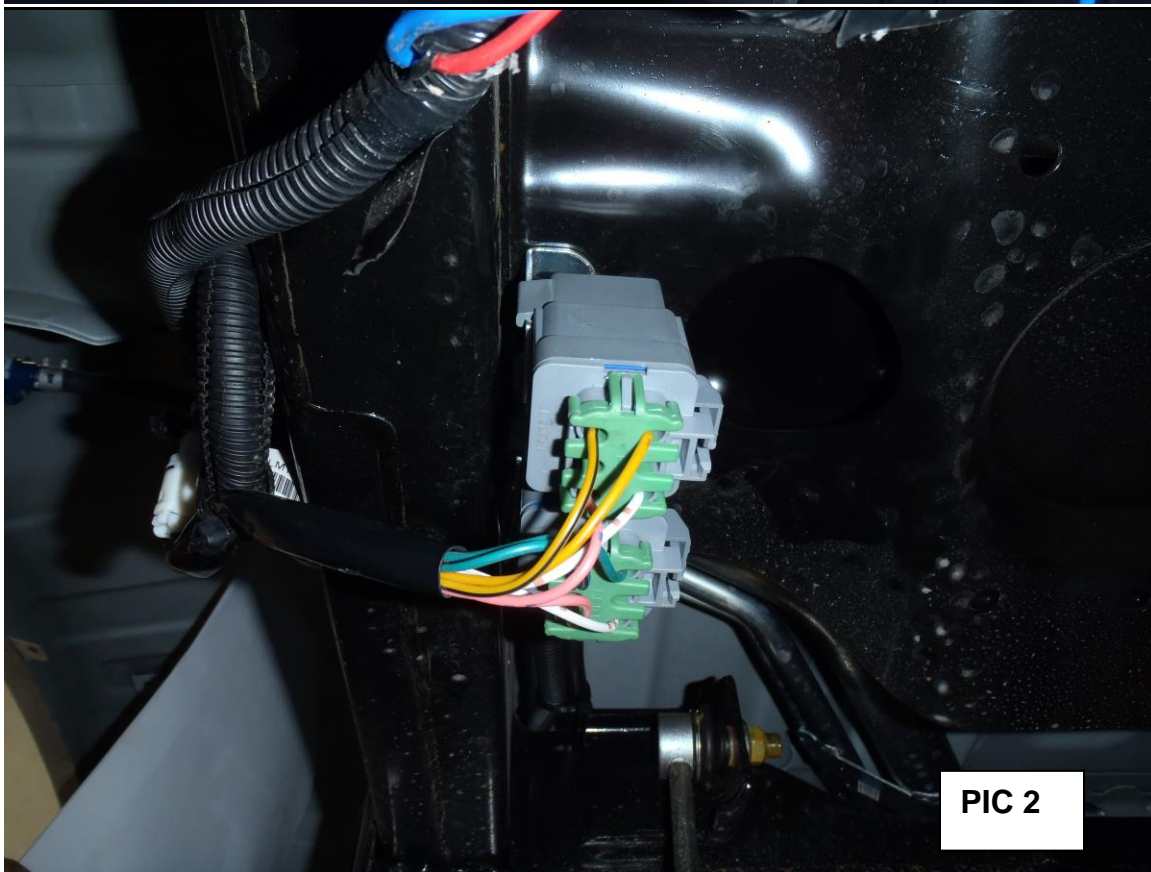
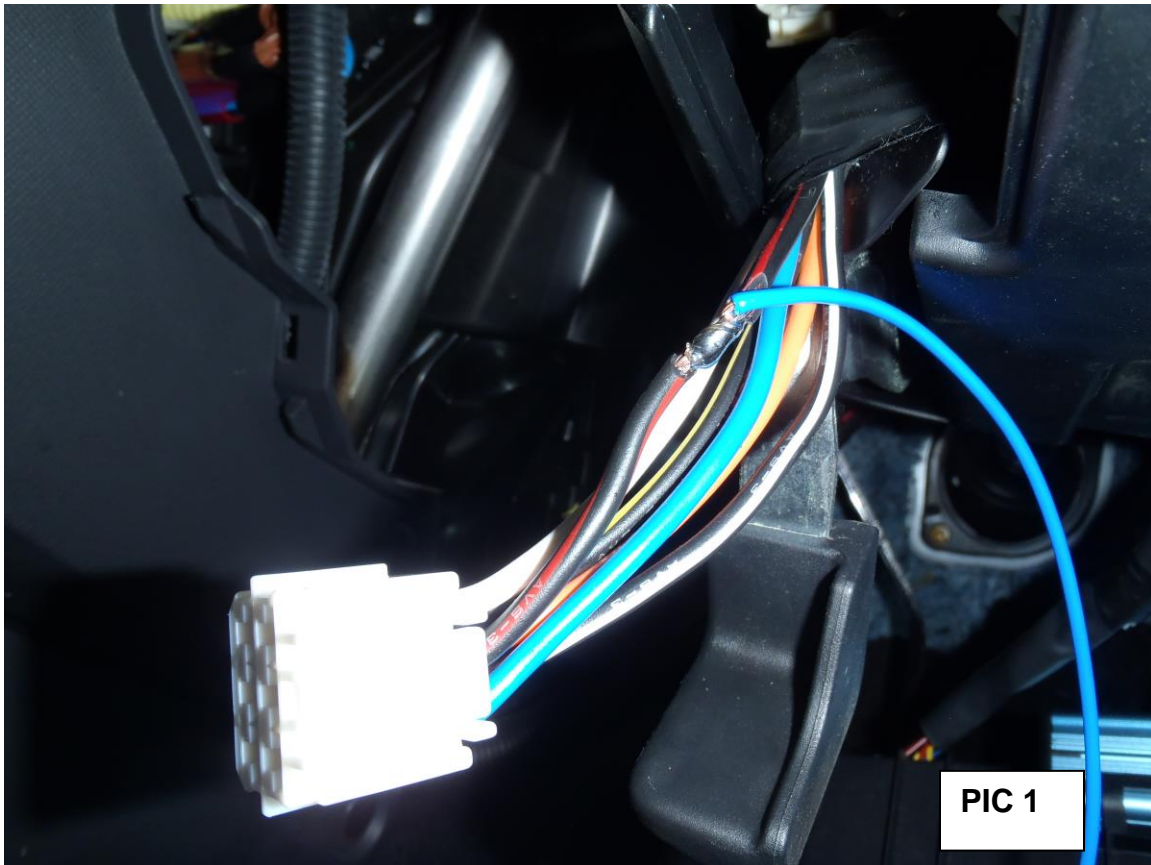
This auxiliary tank fits under the rear of the vehicle and takes the place of the spare wheel. A combination switch gauge unit is mounted to the dash.

1. There is a 12 volt ignition source under the steering column cover. Carry out the wiring of the switch gauge unit. Black wire / Red trace (you can unplug this to pull out to gain access to splice in). (Ref Pic 1)
2. Run twin core to the LHS under the carpet and scuff plates then drill an 8mm hole and use wiring grommet to exit cabin near chassis rail. Continue to run wiring to the rear. Prepare wiring for connection to the sender unit and transfer pump.
3. Remove spare wheel and winder. Remove LHR wheel arch cover and standard filler neck.
4. Reverse the bracket that holds the trailer plug relays (Ref Pic 2)
5. If vehicle has tow bar fitted, Isuzu SUV14C Part No. 5867609120 remove the four bolts from the inside of the chassis rail and bolt the new left and right hand rear bar mounts in place (do not tighten). Bolt the rear bar mount between these with 4 x M10 x 30mm bolts, washers and nyloc nuts. Tighten all bar mounts (Refer Pics 3 & 4)
6. Assemble fittings in tank P3 5/8 x 3/8 in the socket next to the filler neck. Fit 700mm length of 16mm hose to this fitting, use the curve of the hose to follow the direction of the filler neck. (Ref Pic 5)
7. P6 5/16 x 1/4 elbow into the top of the tank pointing to the LHS. Fit 500mm of 8mm hose to this fitting. Fit grommet and rollover valve to tank and fit 1050mm of 6mm hose to the roll over valve pointing to the LHS.
8. Jack the tank into position carefully feeding the fast fill, pick up and vent hoses into position as you go up. Connect the sender unit wire and have the sender unit earth wire coming out the front. (Bolt the earth wire to M6 captive nut on floor pan). Drill

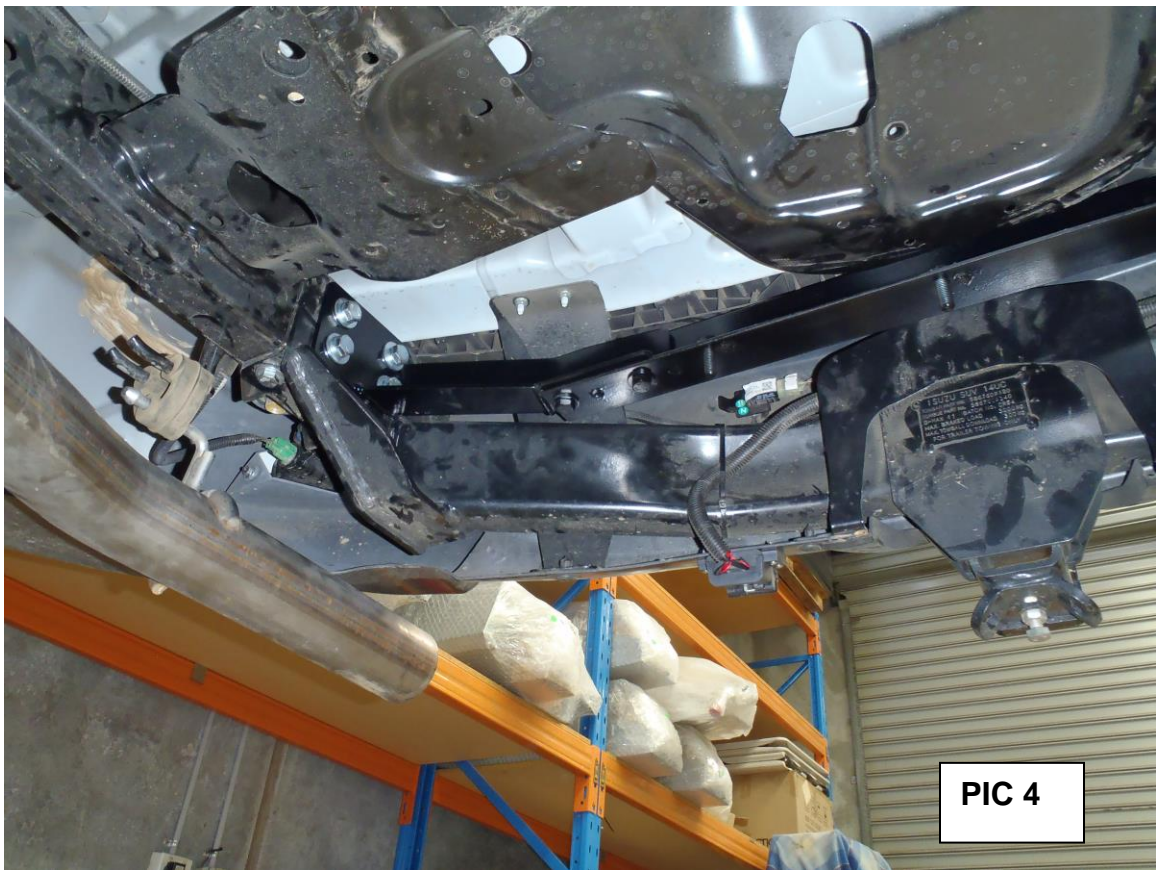
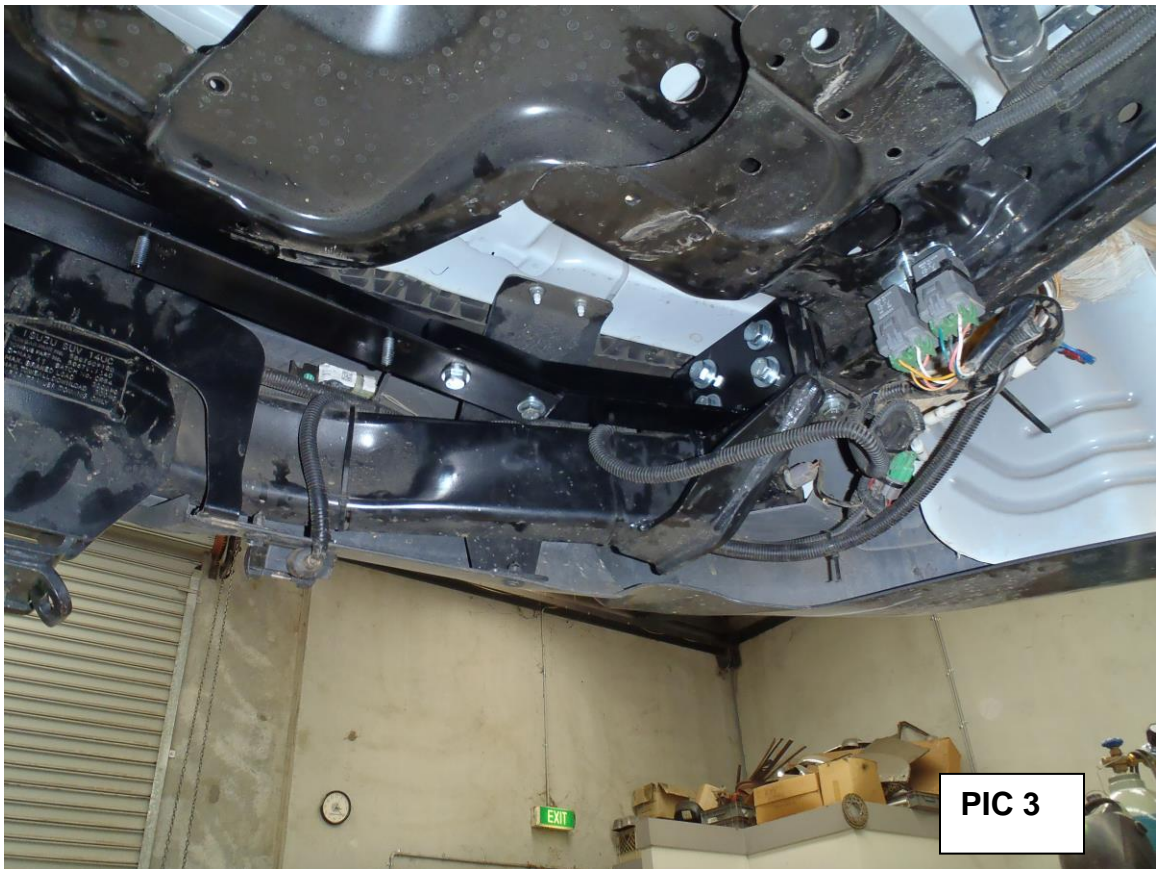
the top side of the cross member for the two LH front mounts (there is only a hole in the under side).

9. Secure the tank with M10 nyloc nuts and M10 x 80mm bolts and nyloc nuts for the front. Use 2 x 50x50x5mm reinforcing plates on the top of the front cross member for the front centre and front RHS bolts.
10. Fit the 180mm length of 35mm hose to the filler neck on the tank. Push it on by 40mm and tighten the clamp.  
Now assemble the fittings in the filler neck 2 x P6 5/8 x 3/8 elbows point them in the same direction as the fill pipes. The P3 1/4 x 1/8 straight goes in the filler box. Fit the neck into position guiding it on to the fill hose and secure with original screws. Use the original fill hose to connect the main tank.
11. Bend the body flange next to the auxiliary tank fill pipe to allow the fast fill vent hose to run in a nice curve from the tank to the filler. Fit the 100mm of CF20 conduflex at this point to protect the hose. Mount the transfer pump to the mounting bracket and bolt to the body flange (**Refer Pic 6**). Connect the pick up to the inlet of the pump and the outlet of the pump to the 16mm x 8mm reducing tee in the fast fill vent line of the main tank. Connect the 6mm hose from the roll over valve to the P3 1/4 x 1/8 fitting in the filler box. Complete the wiring to the pump. Slip the 350mm length of CF16 conduflex over the pick up line and neatly cable tie all hoses and wiring. Check pump operation and replace wheel arch cover.

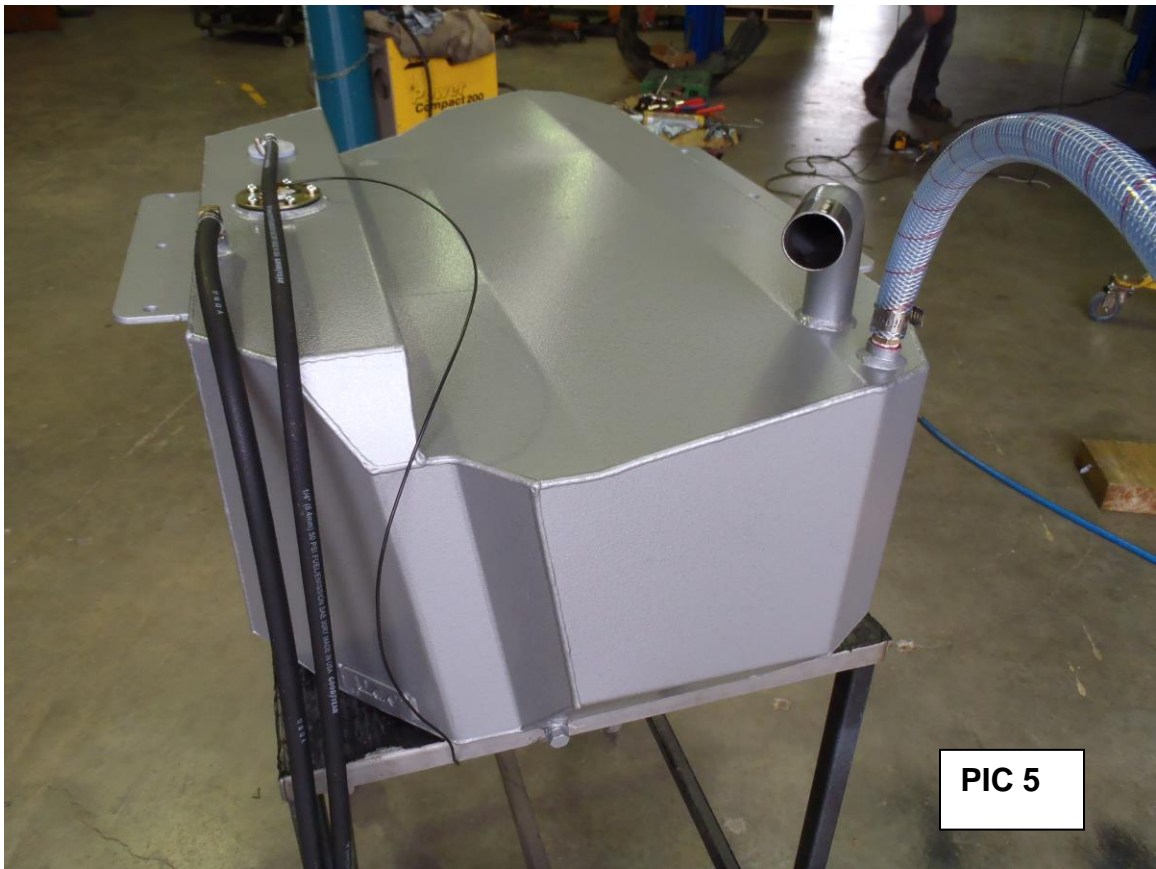
## Isuzu M-UX Auxiliary Tank Photos



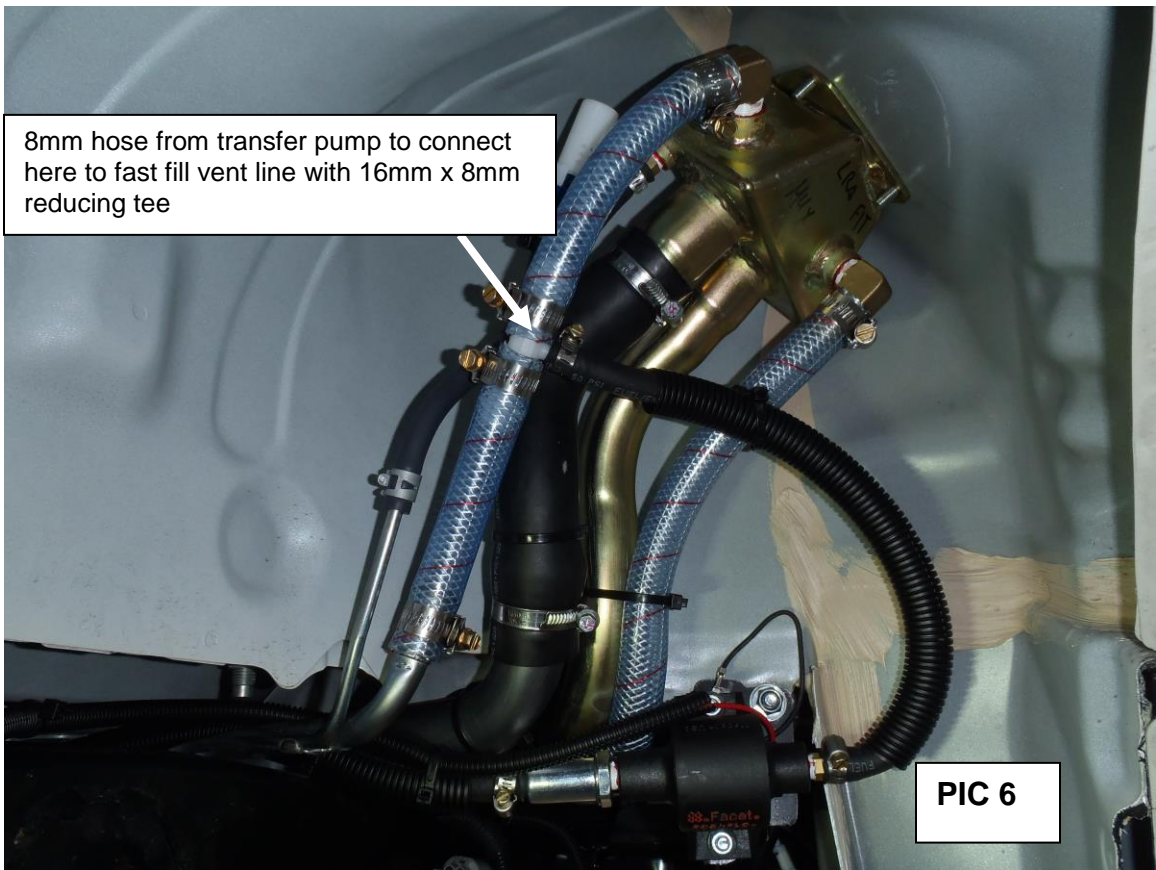






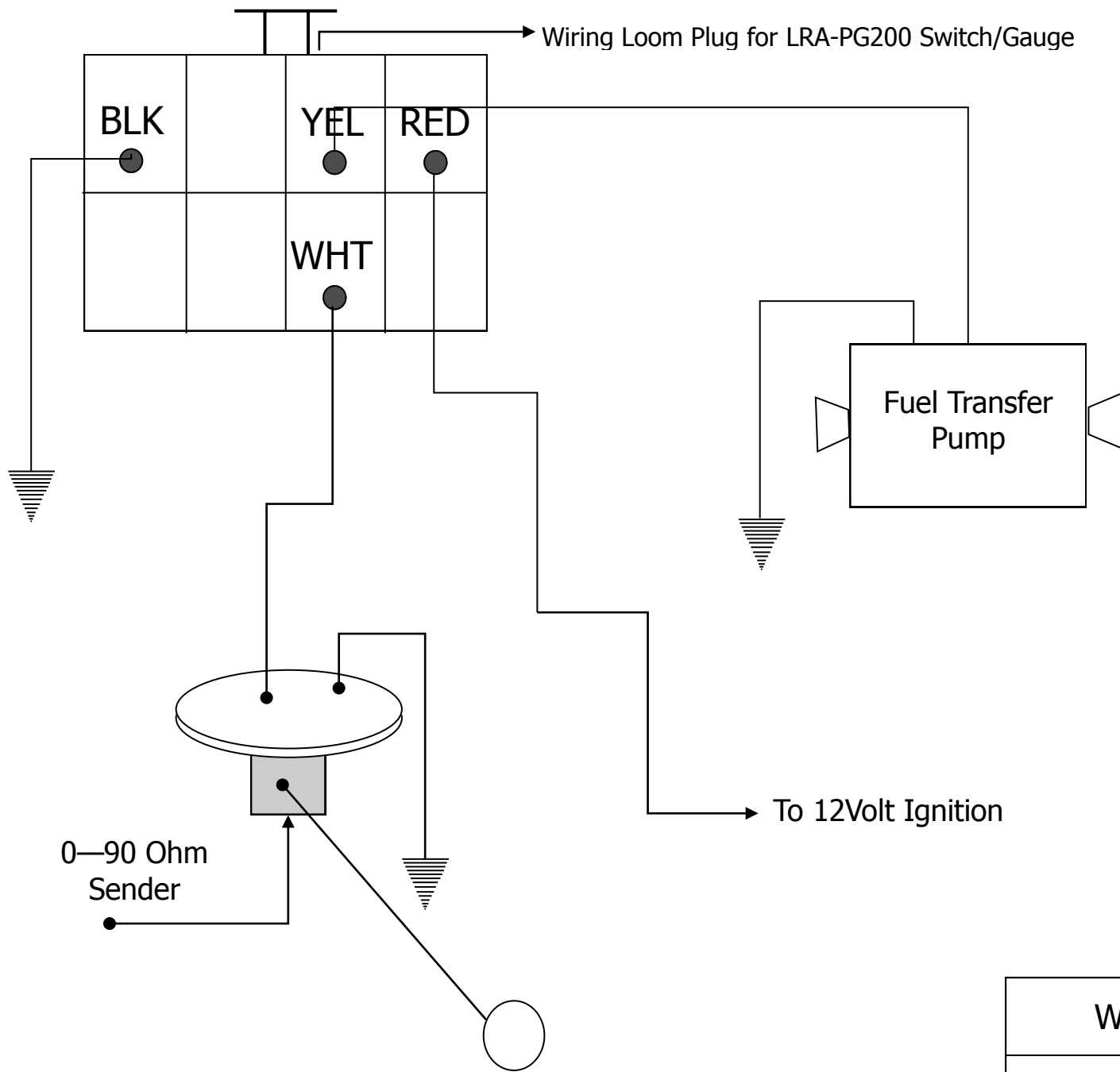


PIC 5



8mm hose from transfer pump to connect here to fast fill vent line with 16mm x 8mm reducing tee

PIC 6



WDSGPG200



## FITTING KIT CONTENTS IMUXRA

Brass	Electrical
<ul style="list-style-type: none"> <li>○ 1 x P3 1/4 x 1/8 Straight</li> <li>○ 1 x P6 5/16 x 1/4 Elbow</li> <li>○ 1 x P3 5/8 x 3/8 Straight</li> <li>○ 2 x P6 5/8 x 3/8 Elbow</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x LRA-PG200</li> <li>○ 1 x Fuse Holder</li> <li>○ 1 x 5 AMP Fuse</li> <li>○ 1 x 3mm Two Core @ 5m</li> <li>○ 1 x Red Insulated Terminal</li> <li>○ 1 x Red Eye Terminal</li> <li>○ 1 x Blue 6mm Eye Terminal</li> <li>○ 3 x 3mm Shrink Tube @ 30</li> </ul>
Bolts / Nuts	Misc Parts
<ul style="list-style-type: none"> <li>○ 1 x M8 x 20 Bolt</li> <li>○ 4 x M10 x 30 Bolt</li> <li>○ 3 x M10 x 80 Bolt</li> <li>○ 8 x M12 x 40 Bolt Fine</li> <li>○ 2 x M8 x 20 Washer</li> <li>○ 3 x M10 x 25 Washer</li> <li>○ 11 x M10 x 25 Washer H/D</li> <li>○ 1 x M8 Nyloc Nut</li> <li>○ 10 x M10 Nyloc Nut</li> <li>○ 8 x M12 Spring Washer</li> <li>○ 8 x M12 HD Washer</li> <li>○ 1 x M6 12 Washer</li> <li>○ 1 x M6 x 16 Bolt</li> </ul>	<ul style="list-style-type: none"> <li>○ 2 x Secondary brackets rear bar</li> <li>○ 1 x Rear mounting Bar with 3 x M10 bolts welded</li> <li>○ 1 x TFIMUXRA</li> <li>○ 2 x 50x50x5 10 reinforcing plates with 10mm diameter hole</li> <li>○ 1 x Fuel pump mounting bracket</li> <li>○ 16mm x 8mm reducing tee</li> <li>○ Roll over valve</li> <li>○ Roll over grommet</li> <li>○ 1 x 3/16 x 5/16 wiring grommet</li> </ul> <p>7 Pages of Fitting Instructions consisting of:</p> <ul style="list-style-type: none"> <li>○ 2 x pages fitting instructions</li> <li>○ 2 x pages fitting kit contents</li> <li>○ 3 x pages fitting instruction photos</li> </ul>
Hose Clamps	Cable Ties
<ul style="list-style-type: none"> <li>○ 6 x 1/4</li> <li>○ 6 x 5/8</li> <li>○ 2 x 1 1/4</li> </ul>	<ul style="list-style-type: none"> <li>○ 7 x 7" cable ties</li> <li>○ 3 x 11" cable ties</li> </ul>
Hose	Filters & Pumps
<ul style="list-style-type: none"> <li>○ 1 x 6mm Hose @ 1050mm</li> <li>○ 1 x 8mm Hose @ 320mm</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x FPX036B Fuel Pump</li> </ul>

<ul style="list-style-type: none"> <li>○ 1 x 8mm Hose @ 500mm</li> <li>○ 1 x 35mm Hose @ 180mm</li> <li>○ 1 x CF16 @ 350mm</li> <li>○ 1 x CF20 @ 100mm</li> <li>○ 1 x 16mm NTP Hose @ 300mm</li> <li>○ 1 x 16mm NTP Hose @ 700mm</li> </ul>	
<b>Sender</b>	
<ul style="list-style-type: none"> <li>○ 1 x 0-90 OHM</li> </ul>	

Kit Packed By\_\_\_\_\_

Checked By \_\_\_\_\_