



LONG RANGE
AUTOMOTIVE

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. Fuel is transferred via an electric pump that will pump fuel from the auxiliary tank into the OEM tank. A combination switch/gauge unit will be located in a suitable position on the dash. When the switch is in operation a **YELLOW** light will be on, indicating that the transfer pump is in operation. A series of lights will also indicate the fuel level. All **GREEN** lights showing FULL, one **RED** light showing EMPTY. When the pump is in operation and the tank is empty, the red light will flash. The pump will then run for 2 minutes and automatically shut off.

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)**



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7. Fit the 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.



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FITTING KIT CONTENTS - IMUXRA

Brass	Electrical
○ 1 x P3 1/4 x 1/8 Straight ○ 1 x P6 5/16 x 1/4 Elbow ○ 1 x P3 5/8 x 3/8 Straight ○ 2 x P6 5/8 x 3/8 Elbows ○ 1 x 16mm x 8mm Reducing Tee	○ 1 x CP470GS Switch Gauge Unit ○ 1 x 3mm Two Core @ 5m ○ 1 x 5 AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 1 x 4mm Single Core Blue @ 300mm ○ 1 x Red Insulated Terminal ○ 1 x Red Eye Terminal ○ 1 x Blue 6mm Eye Terminal ○ 3 x 3mm Shrink Tube @ 30
Bolts / Nuts	Misc Parts
○ 1 x M8 x 20 Bolt ○ 4 x M10 x 30 Bolts ○ 3 x M10 x 80 Bolts ○ 8 x M12 x 40 Bolts Fine ○ 2 x M8 x 20 Washers ○ 3 x M10 x 25 Washers ○ 11 x M10 x 25 Washers H/D ○ 1 x M8 Nyloc Nut ○ 10 x M10 Nyloc Nuts ○ 8 x M12 Spring Washers ○ 8 x M12 HD Washers ○ 1 x M6 12 Washer ○ 1 x M6 x 16 Bolt	○ 2 x Secondary Brackets Rear Bar ○ 1 x Rear Mounting Bar with 3 x M10 Bolts Welded ○ 1 x Twin Filler #TFIMUXRA ○ 2 x 50x50x5 10 Reinforcing Plates with 10mm Diameter Hole ○ 1 x FV11 Roll Over Valve ○ 1 x LRA-FTG-2 Grommet ○ 1 x 3/16 x 5/16 Wiring Grommet
Hose Clamps	Cable Ties
○ 6 x 1/4 Hose Clamps ○ 6 x 5/8 Hose Clamps ○ 2 x 1 1/4 Hose Clamps	○ 7 x 7" Cable Ties ○ 3 x 11" Cable Ties
Hose	Filters & Pumps
○ 1 x 6mm Hose @ 1050mm ○ 1 x 8mm Hose @ 320mm ○ 1 x 8mm Hose @ 500mm ○ 1 x 35mm Hose @ 180mm ○ 1 x CF16 @ 350mm ○ 1 x CF20 @ 100mm ○ 1 x 16mm NTP Hose @ 300mm ○ 1 x 16mm NTP Hose @ 700mm	○ 1 x FEP06SV Fuel Pump & Filter ○ 1 x Fuel Pump Mounting Bracket



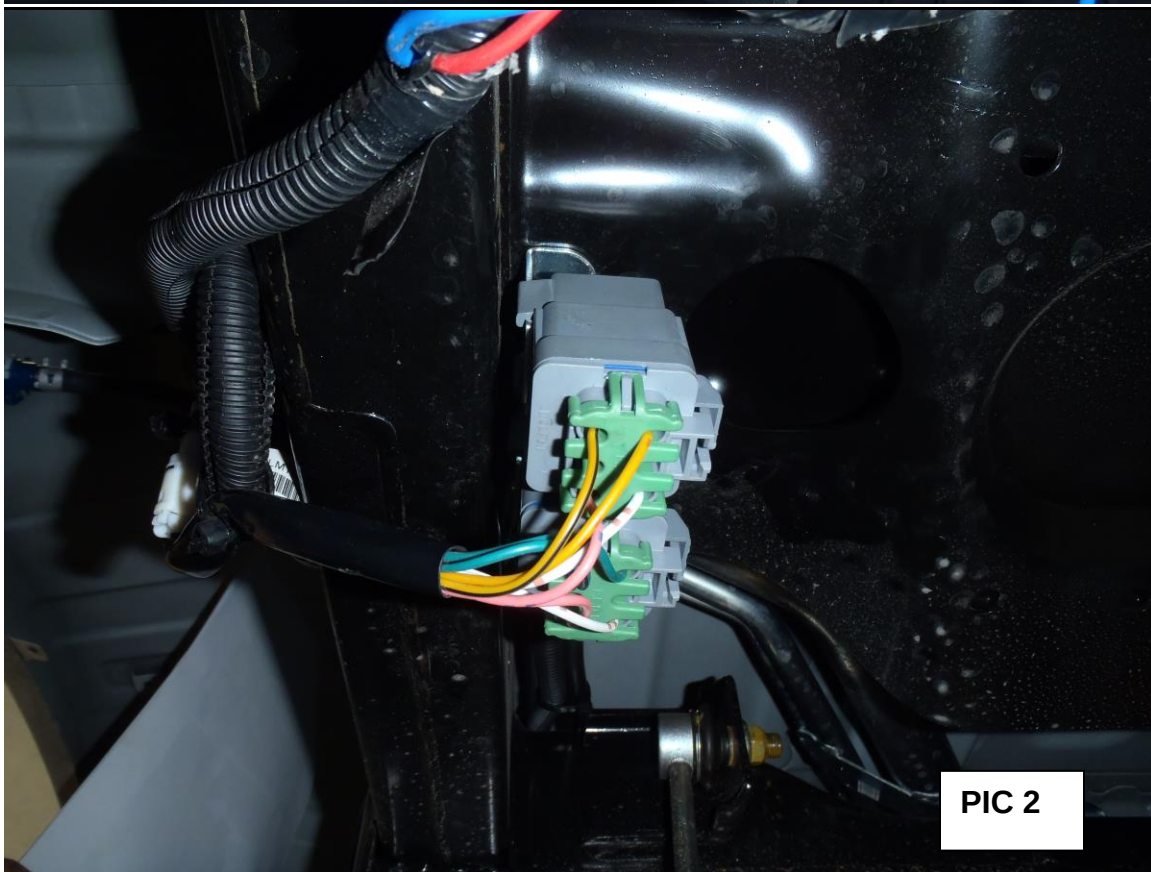
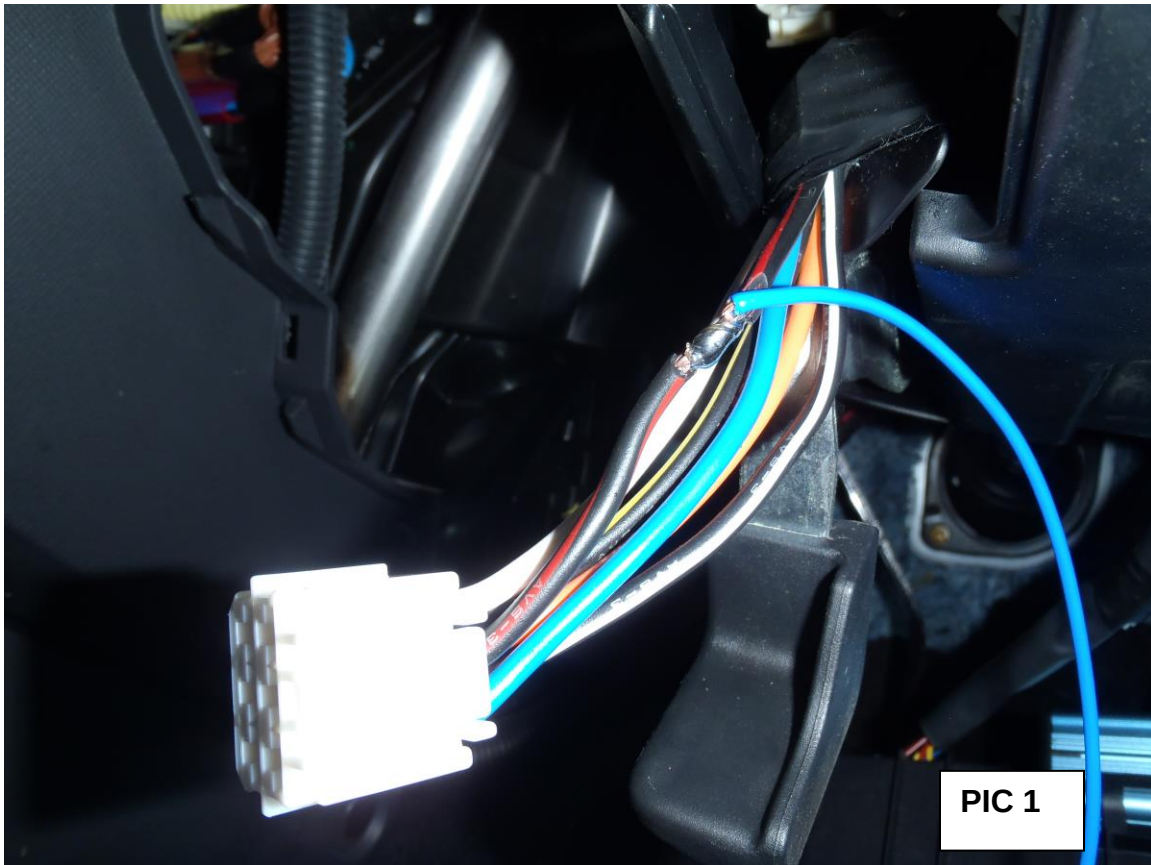
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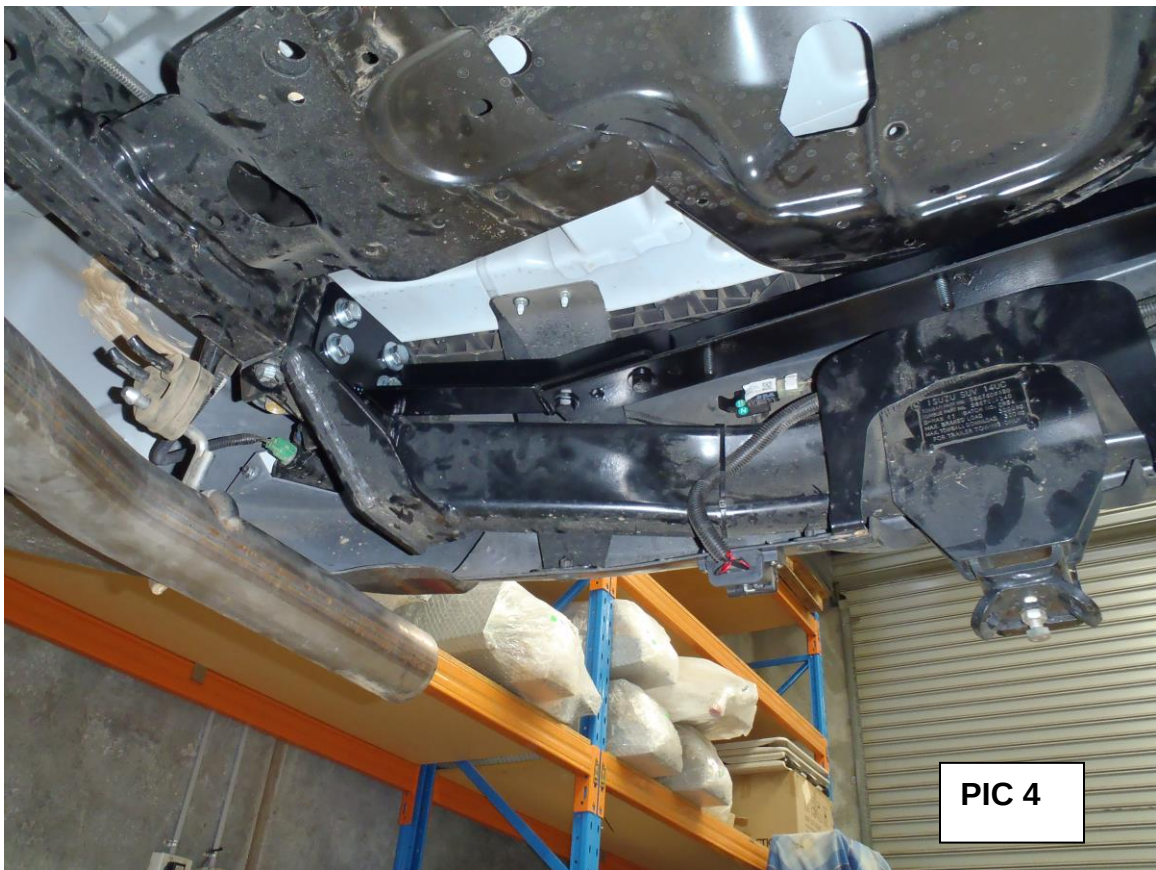
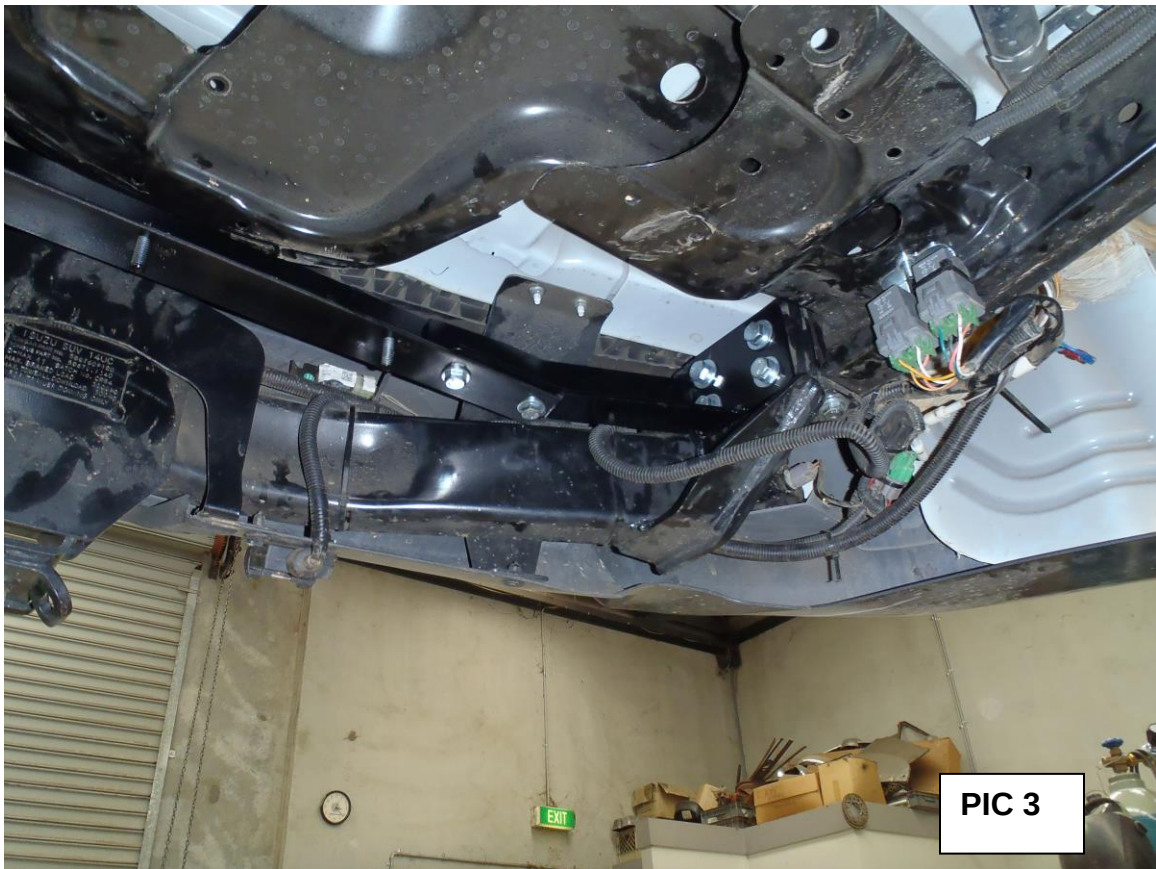
Sender	9 Pages of Fitting Instructions consisting of:
1 x 0-90 OHM C/W 700mm Earth Wire	○ 2 x Page Fitting Instructions ○ 2 x Pages Fitting Kit Contents ○ 3 x Pages Reference Photos ○ 1 x Page CP470GS Wiring Diagram ○ 1 x Page CP470GS Operation Instructions

Kit Packed By _____

Checked By _____

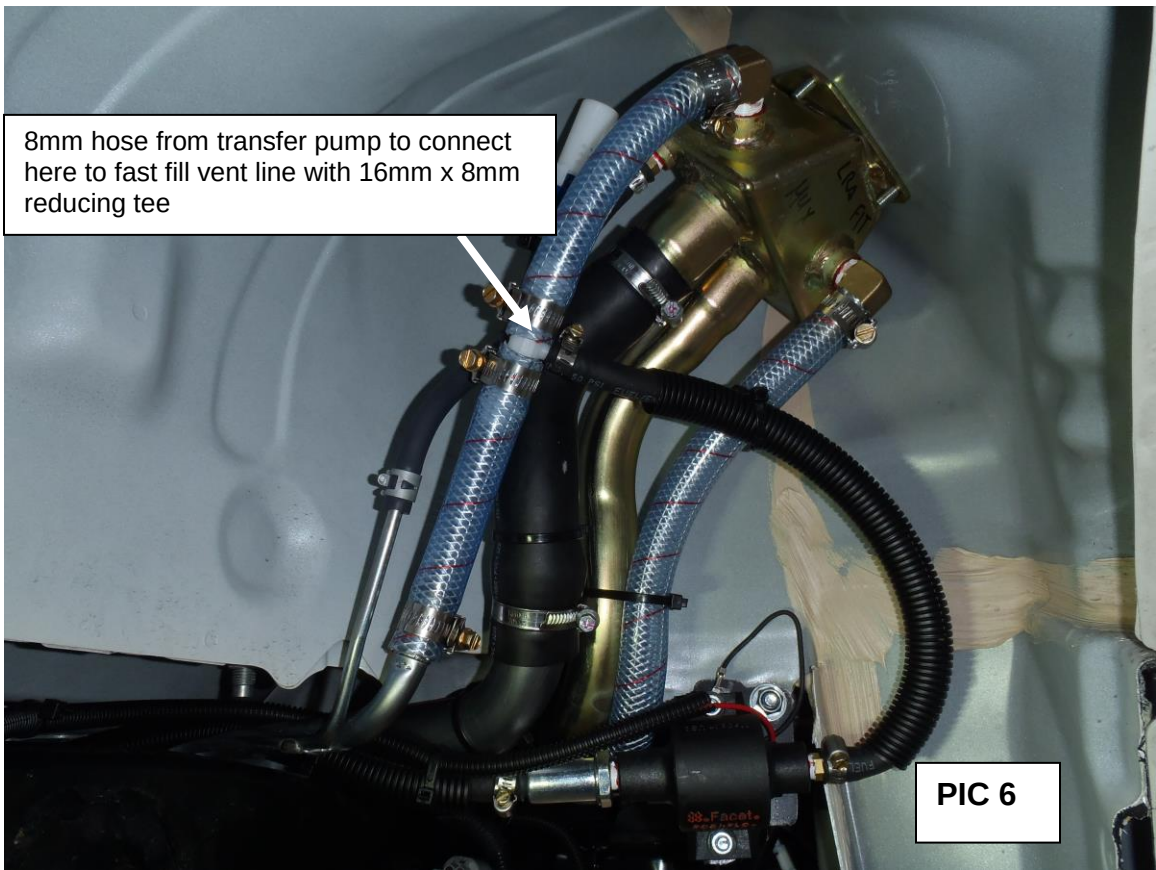
Isuzu M-UX Auxiliary Tank Photos







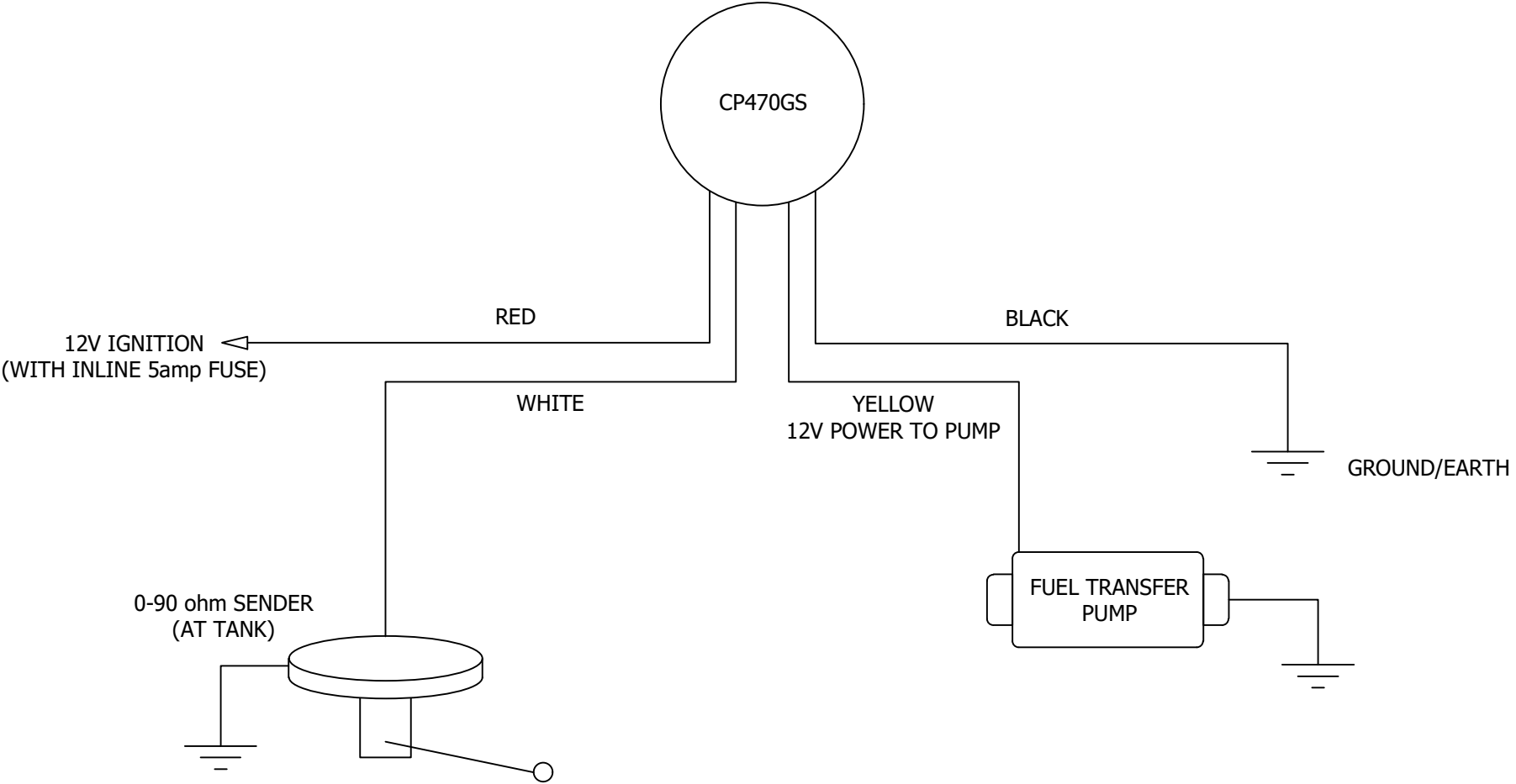
PIC 5



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

PIC 6

MODEL No. CP470GS
LONG RANGE AUTOMOTIVE AUXILIARY FUEL TANK PUMP CONTROLLER WIRING DIAGRAM



CP470GS		WIRING DIAGRAM		
PROGRAM NUMBERS		EDITION	2	19/05/2026
			DRAWN BY - J.D	
			APPROVED -	

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The auxiliary tank that is fitted to this vehicle operates via a fuel transfer pump with an automatic switch off when the **auxiliary** tank is empty.

The CP470GS operates as follows:

- The **YELLOW** and subsequent **GREEN** light's display the contents of the Auxiliary Tank.
- One **RED** Light showing **EMPTY**
- All **GREEN** shows **FULL**
- When the switch is turned **ON** and **ROUND YELLOW** light is displayed this indicates that fuel is being transferred from the **AUXILIARY TANK** into the **MAIN TANK**.
- Fuel is transferred at around 2 litres per minute.
- Fuel will be transferred from the auxiliary tank into the main tank until the auxiliary gauge shows a **RED** light at which point, the buzzer sounds. The pump will shut off along with the buzzer when the switch is turned off.

Good To Know:

- Pump LED indicates when the transfer pump is active
- You can manually turn the pump off by pressing the button if required
- The switch will sound an audible beep when the **auxiliary tank** is empty
- Pump is fitted externally to allow easy access if required
- Pump has a filter included

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