



LONG RANGE AUTOMOTIVE

Installation Instructions for TLC75PRA **Toyota Landcruiser HJ/FJ75 Troopy/Ute** **150L Auxiliary Tank**

This auxiliary tank fits up under the rear of the vehicle and uses the space that the spare wheel mounts in. Because the auxiliary fuel tank uses the space allocated to the spare wheel, a wheel carrier will need to be installed. We recommend a Kaymar wheel carrier, or if no wheel carrier is fitted at all secure the spare wheel with a suitable anchoring device. 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 a **YELLOW** 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** light showing empty.

**(DO NOT OPERATE TRANSFER PUMP WITH NO FUEL IN AUXILIARY TANK OR
PUMP FAILURE WILL OCCUR).**

1. Remove the spare wheel and the winding mechanism.
2. Assemble the fittings into the auxiliary tank as per the diagram provided.
3. Carry out all necessary wiring as per the CP470GS wiring diagram.
4. Mount the fuel transfer pump in suitable location.
5. Fit the new filler bucket and the filler neck to the rear 1/4 panel.
6. Lift the tank into position. Drill the mounting holes and secure the tank into position.
7. Complete the connection of the remaining hoses and fittings.



FITTING KIT CONTENTS TLC75PRA

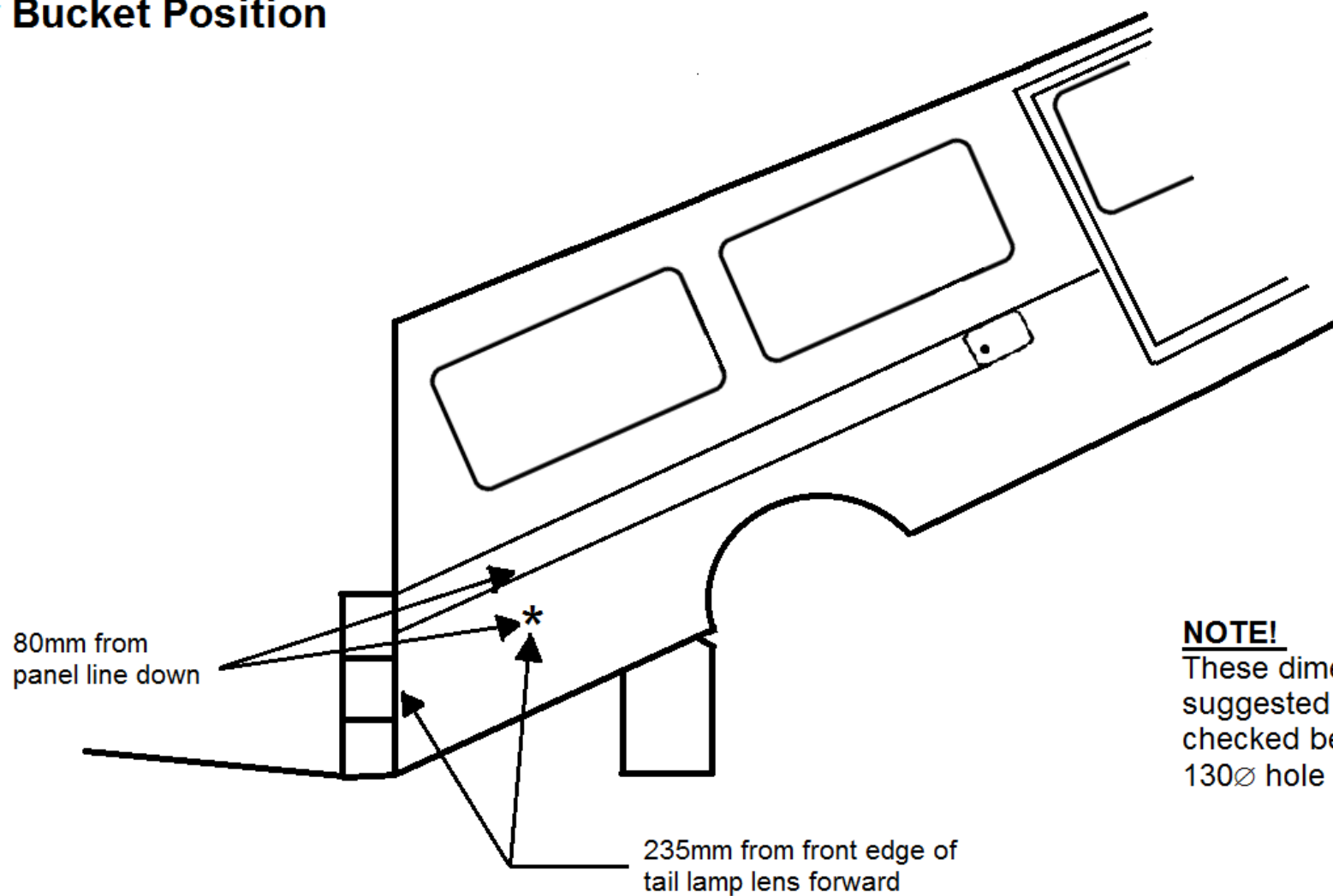
Brass:	Electrical:
○ 1 x P3 1/4 x 1/4 Straight ○ 1 x P3 1/2 x 1/4 Straight ○ 1 x P6 5/16 x 1/4 Elbow ○ 3 x P6 1/2 x 1/4 Elbows ○ 1 x 1/4 Plug ○ 1 x 12mm x 8mm Reducing Tee ○ 1 x P14 x 1/4 Tee	○ 1 x CP470GS Switch/Gauge Unit ○ 1 x 3mm Two Core Wire @ 5m ○ 1 x Red Insulated Terminal ○ 2 x Blue 6mm Earth Eye ○ 1 x Blue 8mm Earth Eye ○ 1 x 3/4 x 15/16 Wiring Grommet (WG11) ○ 4 x 3mm Heat Shrink @25mm
Bolts / Nuts:	Misc Parts:
○ 8 x M10 Nyloc Nut ○ 4 x M10 x 30mm Bolt ○ 8 x M10 Washers ○ 3 x M5x16mm Counter Sunk Screws ○ 3 x M5 Nuts ○ 3 x M5 Flat Washers	○ 1 x 44mm Filler Neck Grommet ○ 1 x Filler Neck ○ 1 x 44mm Tube @ 100mm ○ 1 x Filler Neck Bucket and Cap ○ 1 x Mounting Bar ○ 3 x 2 1/8" Exhaust Clamps with 5/16 UNC Nyloc Nuts and Washers ○ 4 x M10 x 30mm Bolt with 200mm strap welded
Hose Clamps:	Hose:
○ 10 x 1/4" Hose Clamps ○ 6 x 1/2" Hose Clamps ○ 4 x 1 1/2" Hose Clamps	○ 1 x 6mm CMP Hose @ 3400mm ○ 1 x 8mm Fuel Hose @ 1500mm ○ 1 x 12mm CMP Hose @ 270mm ○ 1 x 12mm CMP Hose @ 750mm ○ 1 x 44mm Fuel Hose @ 200mm ○ 1 x 44mm 90° Mandrel Hose Bend cut 50mm off One End
Pumps & Filters:	Cable Ties:
○ 1 x Fuel Pump & Filter ○ 1 x Fuel Pump Mounting Plate	○ 10 x 7" Cable Ties ○ 5 x 11" Cable Ties
Sender:	7 Pages of Fitting Instructions Consisting of:
○ 1 x 0-90 OHM Sender Unit C/W 400mm Earth, Installed Using: - 5 x M5 x 10 pan Heads - 5 x M5 Spring Washers	○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 3 x Pages Installation Diagrams ○ 1 x Page CP470GS Wiring Diagram ○ 1 x Page CP470GS Operation Instructions

Kit Packed By _____

Checked By _____

TLCZ75PRA TROOP CARRIER

Filler Bucket Position

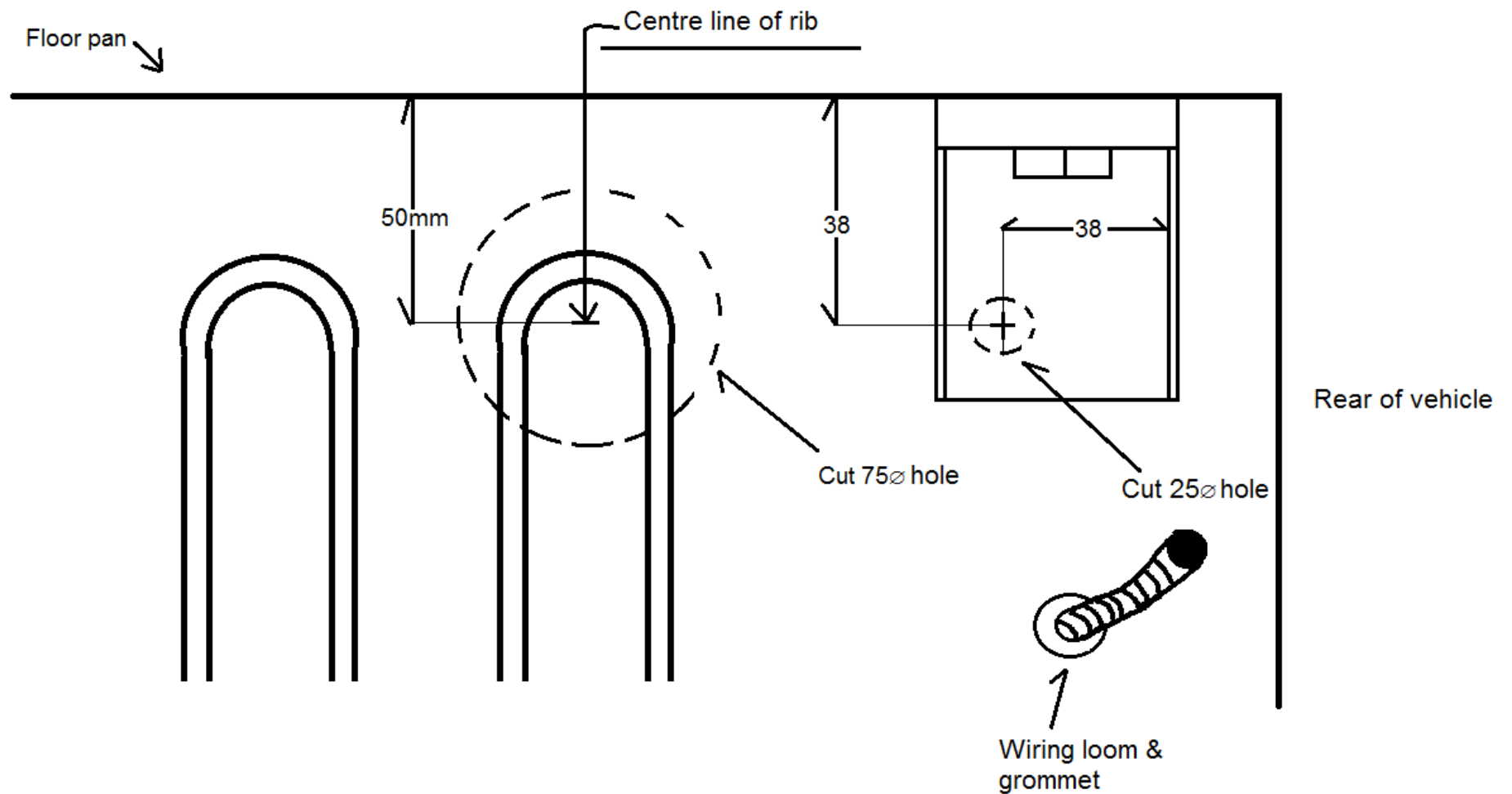


NOTE!

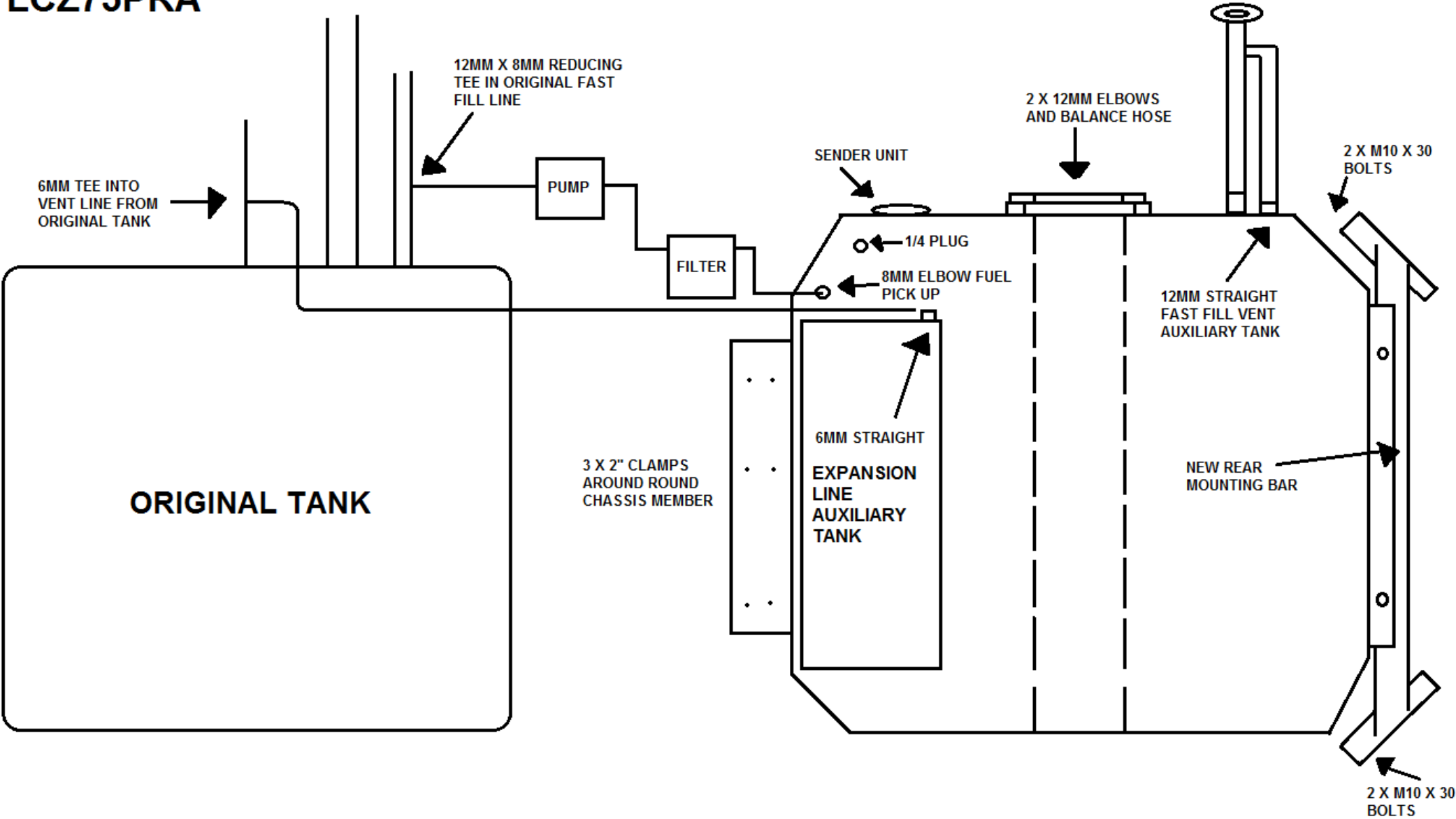
These dimensions are suggested only and should be checked before cutting hole with 130Ø hole saw.

TLCZ75PRA (TROOP CARRIER)

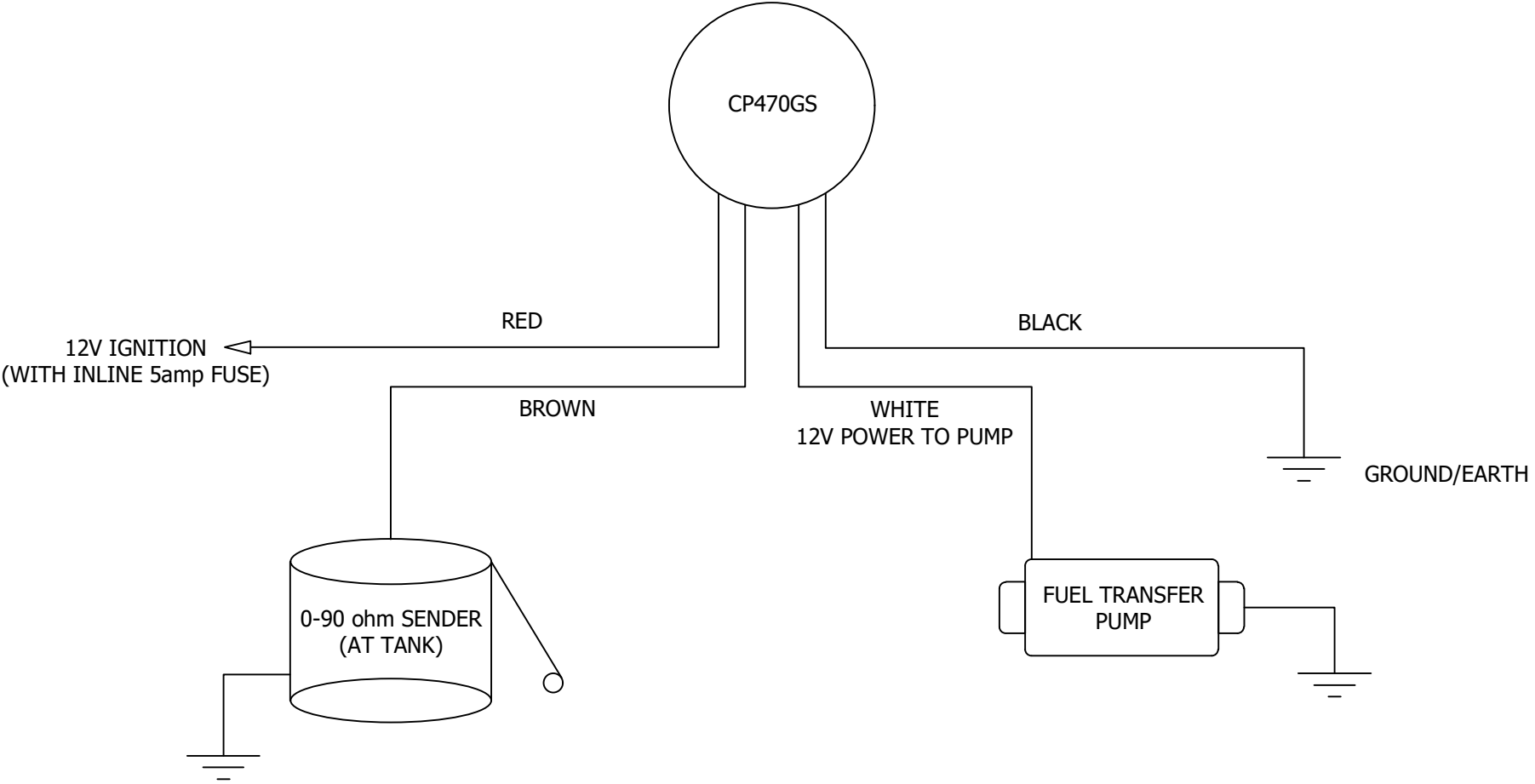
Diagram shows view of right hand inner quarter panel looking over chassis rail. Cut holes as shown in the inner quarter panel to gain correct exit points for the fill hoses.



TLCZ75PRA



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



CP470GS		WIRING DIAGRAM		
PROGRAM NUMBERS		EDITION	1	27/04/2026
			DRAWN BY - J.D	
			APPROVED -	

THIS DRAWING REMAINS THE PROPERTY OF
LONG RANGE AUTOMOTIVE AND IS NOT TO BE DUPLICATED
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LONG RANGE AUTOMOTIVE

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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