



LONG RANGE AUTOMOTIVE

Installation Instructions for JGCHA99 **Jeep Grand Cherokee WG - WJ** **69L Auxiliary Tank**

This auxiliary tank fits on the left-hand side of the vehicle in front of the rear axle. 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.

1. Remove rear seat bases, ECU from mounting cradle, ECU mounting cradle and lift carpet in under seat area. Lift r/h/f kick panels and run twin core wire from front kick panel area along under kick panels and carpets and down through large grommet under l/h/r seat.
2. Install switch / gauge and associated wiring as per the CP470GS diagram – (suggested mounting point for switch / gauge is to the left of the steering column in the removable panel and in line with the OEM fuel gauge).
3. Remove l/h/r wheel. Carry out rework of OEM tank stone shield as per diagram. Remove OEM filler neck and drill 3 mounting holes out to 6mm. Locate OEM fuel filter and round hole in crossmember adjacent to filter mounting bolt, drill new 8mm hole in crossmember forward of this point. This will enable transfer pump to be mounted in a mirror image of the fuel filter giving maximum clearance from axle housing etc.
4. Install all brass fittings into tank as per diagram. Install gauge sender (if not already installed), connect fuel pick up and vent hoses. Lift tank into position, locate mounting holes near l/h/r suspension linkage mark and drill other holes (take care not to drill through into carpet) then secure tank using floor plates and mounting bolts provided.
5. Install the 2 P6 5/8 x 1/4 elbow fittings into the 2 sockets in the main body of the new twin filler, with the barbs pointing in line with the pipes on the twin filler. Fit long and short lengths of 16mm NTP hose to the elbows on the filler, ensure the worm drives on the hose clamps are positioned so as to minimize the overall diameter of the filler assembly. (Available area to fit filler assembly is minimal.) Install remaining P3 1/4 x 1/4 straight fitting into the remaining socket on the main tank fill tube, this is the point to connect the vent line that comes from the auxiliary tank expansion box.
6. Install the twin filler assembly using the 3 M5 x 12mm pan head screws and flat washers supplied. Trim 25mm off the end of the OEM fast fill hose and join the short 16mmNTP hose from the filler to the main tank fast fill hose with the 16 x 8mm T piece. The 8mm barb on the T piece is the fuel transfer port.



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7. Install steel fill pipe using short piece of 38mm hose at the tank end, and the 38mm mandrel hose bend at the twin filler end. Secure the fill pipe to the brace on the main tank bash plate using the 2 x 14" cable ties. Connect all remaining hoses to their respective points.

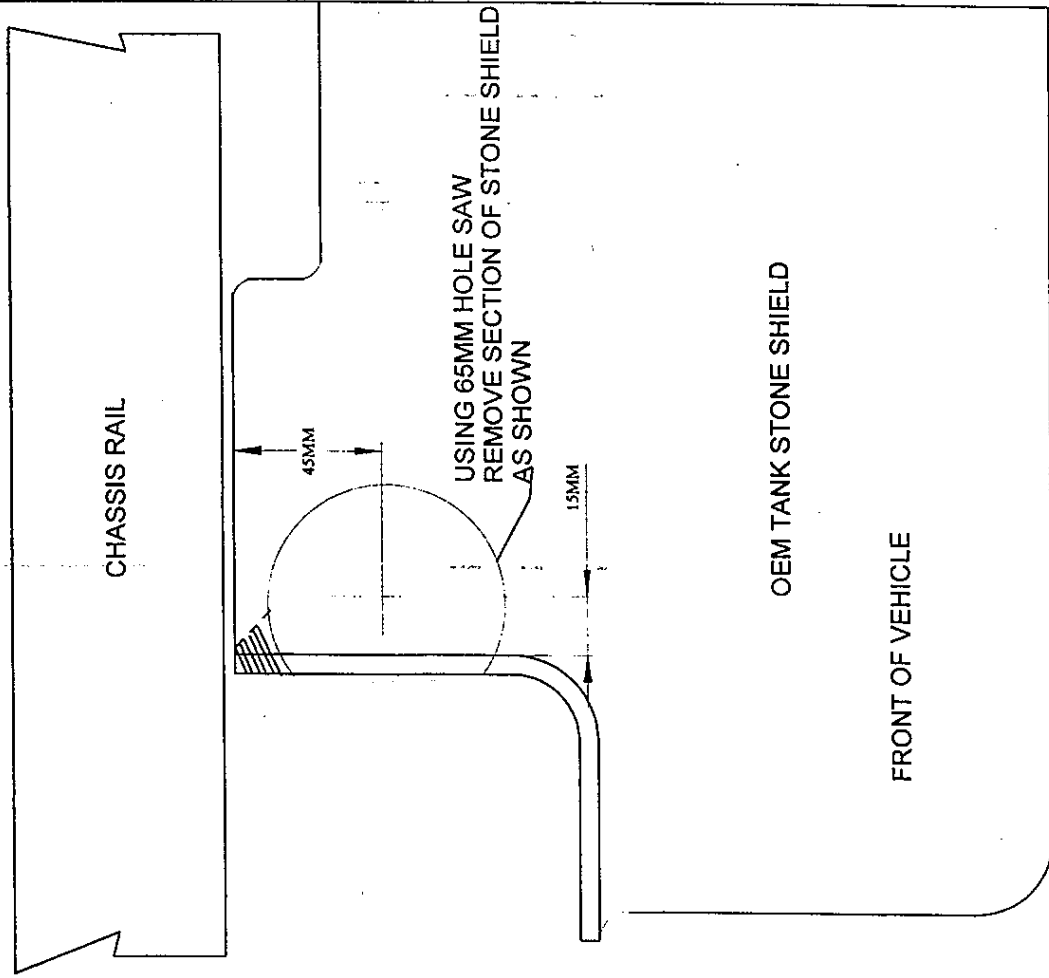


FITTING KIT CONTENTS JGCHA99

Brass: ○ 2 x P3 1/4 x 1/4 Straight ○ 1 x P3 5/16 x 1/4 Straight ○ 1 x P3 5/8 x 1/4 Straight ○ 2 x P6 5/8 x 1/4 Elbow ○ 1 x 16 x 8 Reducing Tee ○ 1/8 x 5/16 P6 Elbow (for pump)	Electrical: ○ 1 x CP470GS Switch Gauge Unit ○ 1 x 3mm Two Core Wire @ 5000mm ○ 2 x Red Insulated Terminals ○ 2 x Blue Eye Terminals ○ 2 x Heat Shrink @25mm Long
Bolts / Nuts: ○ 2 x M10 x 30mm Bolt ○ 1 x M10 x 120mm Bolt ○ 1 x M8 Flat Washer ○ 5 x M10 Flat Washers ○ 5 x M10 Nyloc Nuts ○ 1 x M8 Nut ○ 3 x M5 x 20 Counter Sunk Screws ○ 5 x M5 x 10mm Pan Head Screws ○ 2 x 8mm Tek Screws	Misc Parts: ○ 1 x Twin Filler Neck Assembly Part #TFJGV8AUX2 ○ 1 x Locking Cap to Suit Above ○ 1 x 100 x 100 x 3 Floor Plate ○ 1 x Profile Cut Floor Plate c/w 2xM10x30 Bolts Welded On ○ 1 x Fill Pipe Part #FPJGV8AUX2 ○ 1 x M8 x 25 Bolt c/w 150 mm Wire Welded
Hose Clamps: ○ 6 x 1/4" Hose Clamps ○ 6 x 1/2" Hose Clamps ○ 4 x 1 1/2" Hose Clamps ○ 2 x 5/8 Hose Clamps	Hose: ○ 1 x 6mm Fuel Hose @2200mm ○ 1 x 8mm Fuel Hose @1300mm ○ 1 x 38mm Hose @80mm ○ 1 x 16mm NTP Hose @200mm ○ 1 x 16mm NTP Hose @1300mm ○ 1 x UHB38-N Mandrel Bend Hose ○ 12mm Conduflex @ 1000mm ○ 16mm Conduflex @ 1000mm
Pumps & Filters: ○ 1 x Fuel Transfer Pump & Filter ○ 1 x Fuel Pump Mounting Plate	Cable Ties: ○ 5 x 7" Cable Ties ○ 7 x 11" Cable Ties ○ 2 x 14" Cable Ties
Sender: ○ 1 x VDO Sender 220-004 C/W 700mm Earth	8 Pages of Fitting Instructions Consisting of: ○ 2 x Pages Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page #INJGCHA9901 ○ 1 x Page #INJGCHA9902 ○ 1 x Page #INJGCHA9903 ○ 1 x Page #WDJGCHA99 ○ 1 x Page CP470GS Wiring Diagram

Kit Packed By _____

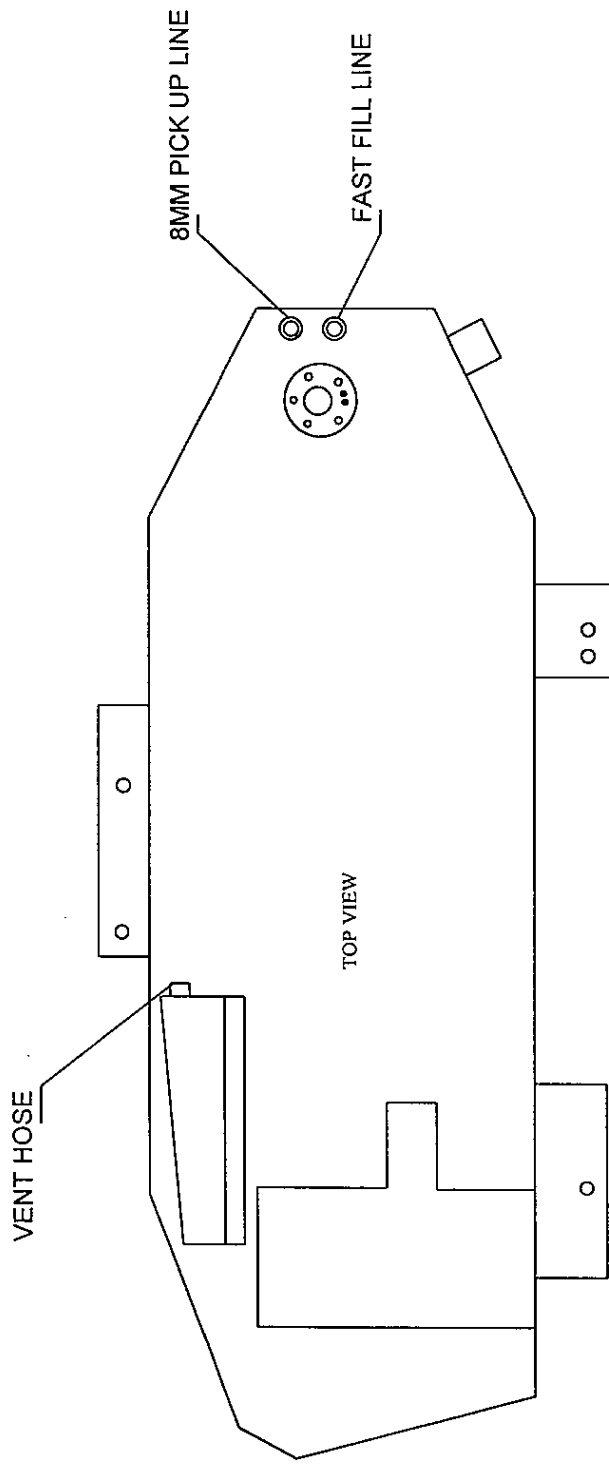
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INJGCHA9901

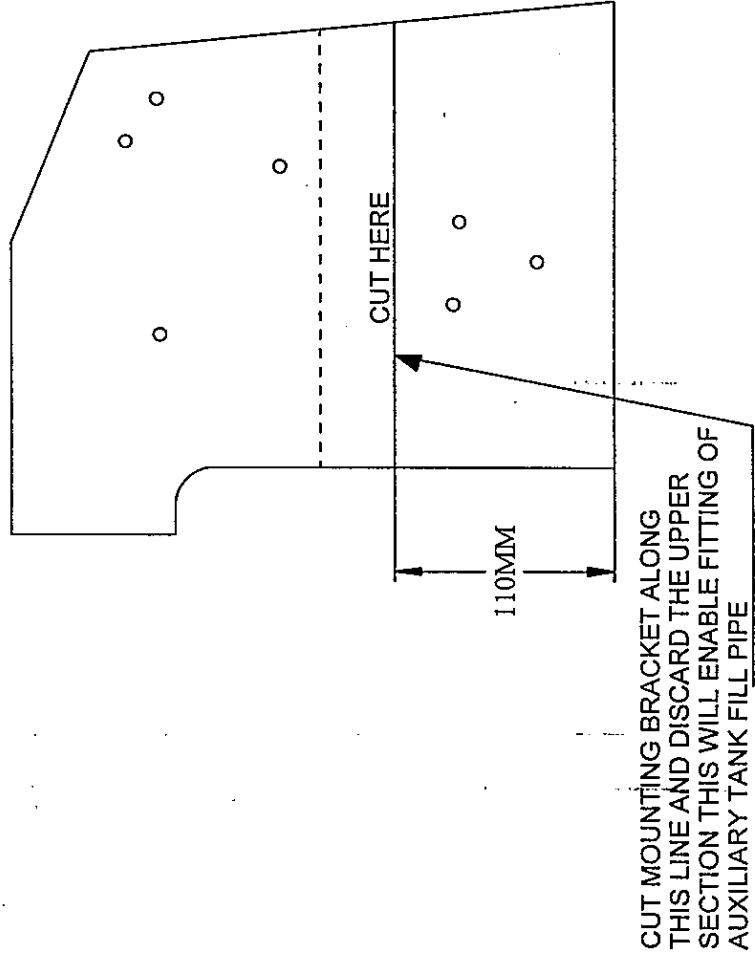
GRAND CHEROKEE

69 LT AUX TANK



INJGCHA9902
JEEP CHEROKEE
69 LT AUX TANK

2003 MODEL GRAND CHEROKEE WITH
1/4 PANEL MOUNTED CARBON CANNISTER
REWORK REQUIRED TO OEM MOUNTING BRACKET

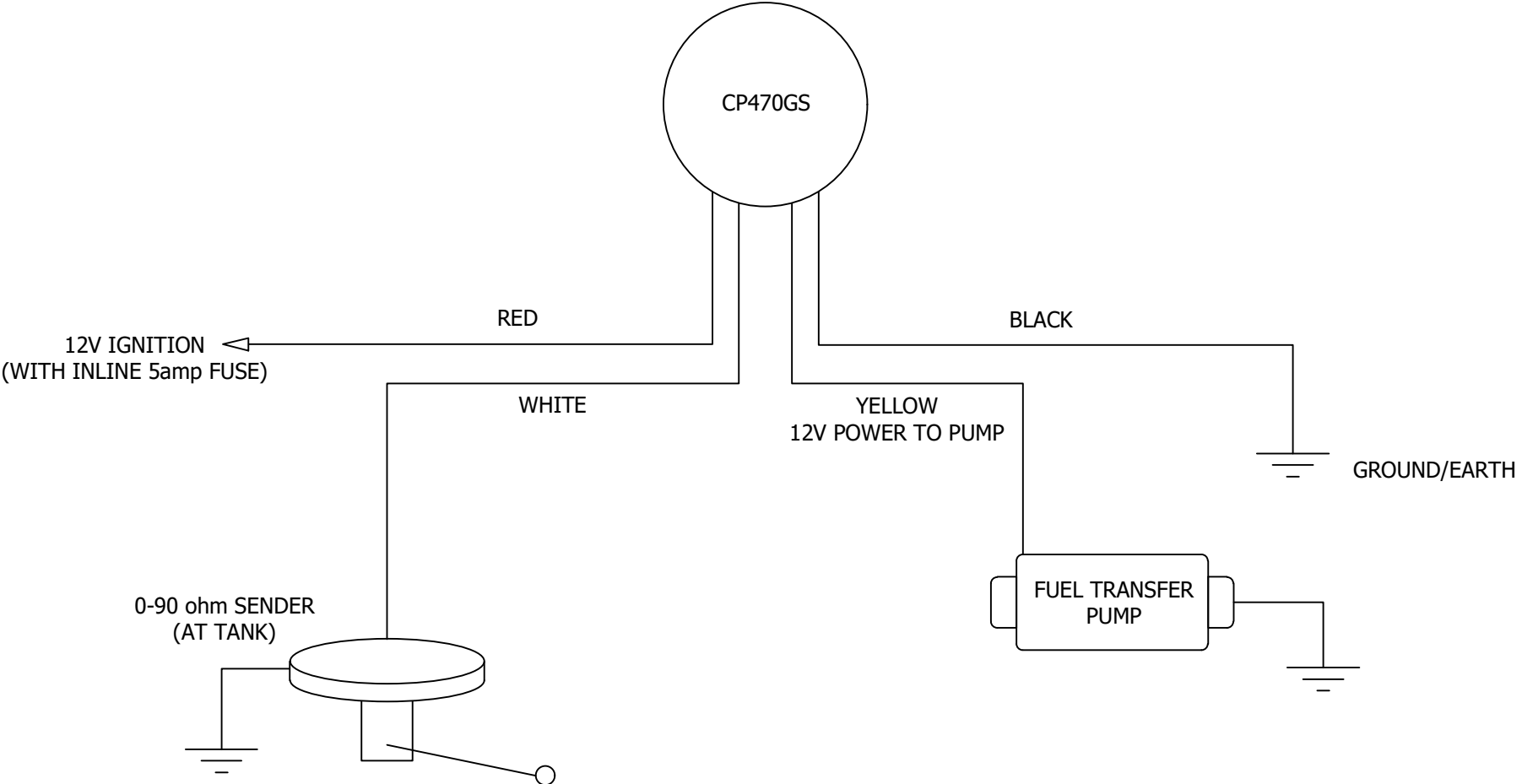


INJGCHA9903

JEEP GRAND CHEROKEE

69 Lt AUX TANK

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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