Installation Instructions for NPGQLA
Nissan Patrol GQ LWB
73L Auxiliary Tank

This auxiliary tank fits forward of the rear axle on the RHS of the drive shaft. 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 that 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.

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

1. Carry out installation of wiring, switch/gauge and pump as per wiring diagram. Also mount fuel pump in a suitable location.

2. Remove the OEM filler bucket and its mounting grommet. Bend the mounting tab for the OEM filler up into the wheel arch. (This will not be used again). Install all brass fittings into new twin filler at the points shown in diagram. Twin filler can now be installed. The notch in the mounting face of the twin filler indicates the top. Use tech screws supplied to secure filler. OEM fill and new fast fill hoses can now be connected to new filler.

3. Install brass fittings into tank. P3 5/8x1/4 straight fitting goes into the socket adjacent to the filler neck, the P3 1/4x1/4 straight fitting goes into the socket in the expansion chamber. P6 5/16 x 1/4 elbow fitting goes in socket next to fuel sender unit this becomes the fuel pick up for the transfer pump.

4. If vehicle is fitted with stabilizer release cable, bend cable mounting brackets in towards chassis rail. You MUST cut the thread of the seatbelt bolt that protrudes past the cage nut on the underside of the floor pan.

5. There is a small gusset welded towards the r/h rear of the tank location which has an 8mm hole drilled in it. Locate this hole and drill it out to 10mm then place M10 x 30mm bolt in it. Locate hole that is in the top of rear chassis tube above the rear differential and drill hole directly below it. Lift tank into position using M10 x 30mm bolt previously placed in corner gusset section as main locating point. Make sure tank is running as close as possible to R/H chassis rail.

6. Check all fuel and brake lines are clear from rubbing on the tank. Clamp front of tank, drill holes and secure with M10 x 75mm bolts and Nyloc nuts. Secure long rear bracket with M10 x 75mm bolt and Nyloc nut. (Due to chassis variations you may need to space the rear of the tank down slightly on some vehicles.)

7. Fit steel fill pipe section in place, steel fill pipe is put into position from the forward side of the differential and fed backwards, not from the rear to the front. Connect auxiliary side of twin filler to steel fill pipe with 44mm ID hose bend. Connect other end of pipe to auxiliary tank with 400mm length of 38mm ID hose. Connect 1600mm length of 16mm hose from 16mm hose barb straight on auxiliary tank to new twin filler. Ensure this line has no low points in it.

8. Connect auxiliary tank vent hose and fuel transfer hose to their allocated fittings on the new twin filler. Finish connection of fuel pump to fuel pickup line with filter in between fuel pump and pick up. Connect fuel sender wires, cable tie all hoses and pipe work neatly in place. Fill with fuel and check system operation.

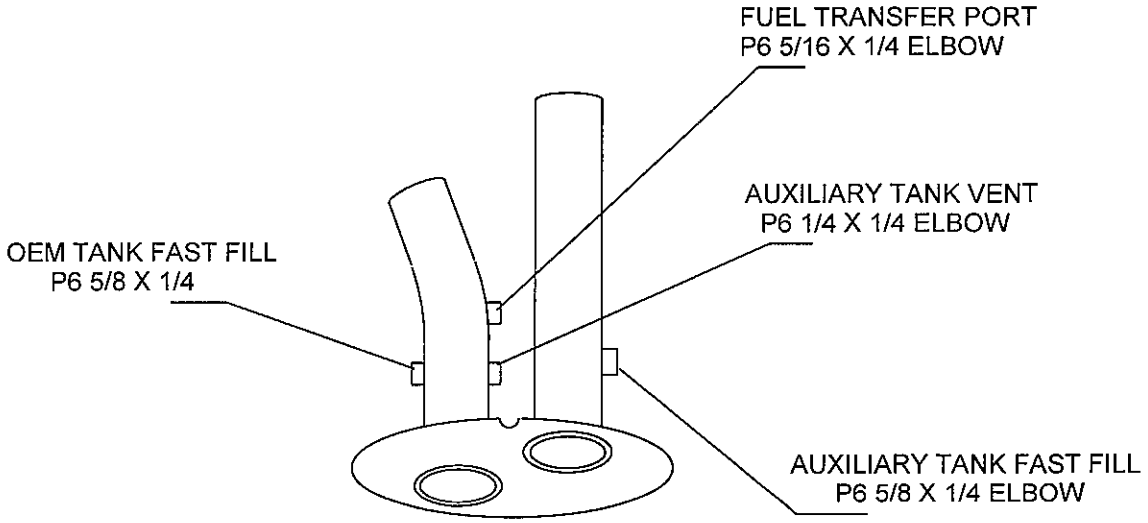
NOTE: USE HIGH QUALITY SEALER ON ALL JOINTS AND FITTINGS E.G. PERMATEX 3J

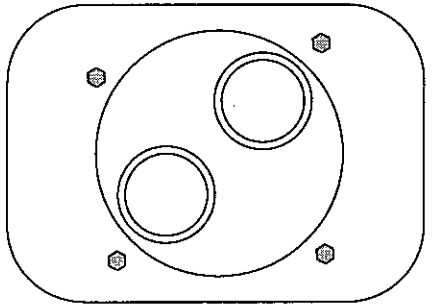
FITTING KIT CONTENTS NPGQLA

Updated 5/22 TL

Bolts / Nuts	Electrical
○ 3 x M10 x 75mm Bolts ○ 1 x M10 x 30mm Bolt ○ 1 x M10 Plain Nut ○ 4 x M10 Nyloc Nuts ○ 4 x M10 Washers ○ 4 x 8mm TEK Screws	○ 1 x 3mm 2 Core Wire @ 5000mm ○ 1 x LRA-PG210 Switch/Gauge ○ 1 x Red Insulated Terminals ○ 3 x 3mm Heat Shrink Tube @ 25mm ○ 2 x 6mm Blue Earth Eye ○ 1 x 5 AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 1 x 4mm Blue Wire @ 300mm
Brass	**Misc Parts**
○ 1 x P3 1/4 x 1/4 Straight ○ 1 x P6 1/4 x 1/4 Elbow ○ 2 x P6 5/8 x 1/4 Elbow ○ 1 x P3 5/8 x 1/4 Straight ○ 2 x P6 5/16 x 1/4 Elbow ○ 1 x 1/4 Plug	○ 1 x Twin Filler Part #TFGQAUX ○ 1 x Fuel Cap ○ 1 x Fill Pipe Part #FPGQAUX
Hose	**Cable Ties**
○ 1 x 38mm Fuel Hose @ 400mm ○ 1 x 44mm Fuel Hose 90° bend ○ 1 x 8mm Fuel Hose @ 1600mm ○ 1 x 16mm CMP Hose @ 1600mm ○ 1 x 16mm CMP Hose @ 430mm ○ 1 x 6mm CMP Hose @ 1700mm	○ 10 x 7” Cable Ties ○ 5 x 11” Cable Ties ○ 2 x 14” Cable Ties
Hose Clamps	**6 x Pages Instructions Consisting Of**
○ 8 x 1/4” Hose Clamps ○ 4 x 5/8” Hose Clamps ○ 4 x 1 1/2” Hose Clamps	○ 2 x Pages Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x WDSGPG210 Wiring Diagram ○ 1 x INNPGQLA01 Installation Diagram ○ 1 x INFMLA Installation Diagram
Sender	**Filters & Pumps**
○ 1 x Fuel Sender Unit 0-90 OHM with 700mm Earth	○ 1 x Fuel Pump Mounting Plate ○ 1 x Fuel Pump

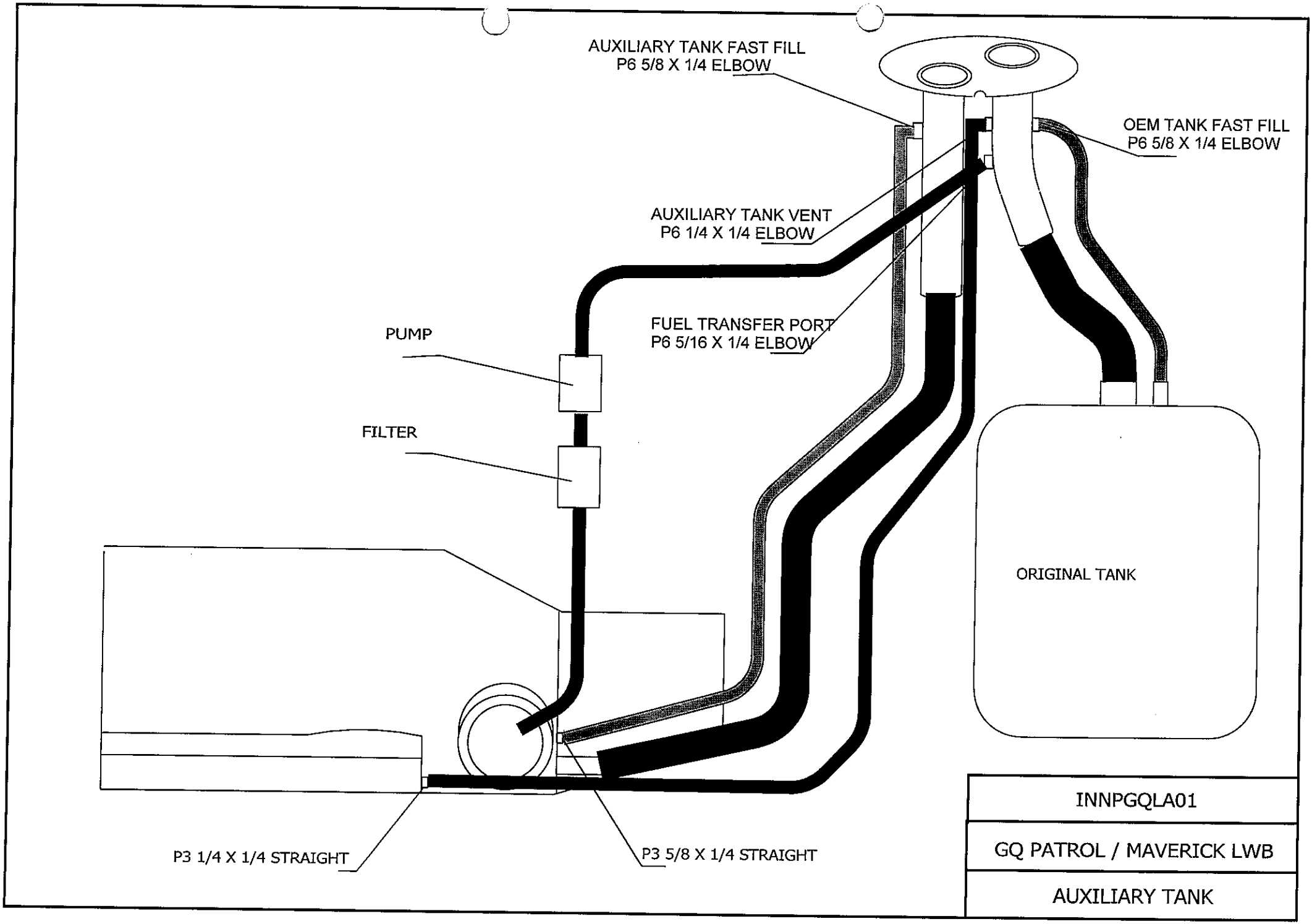
Kit Packed By _____ Kit Checked By _____

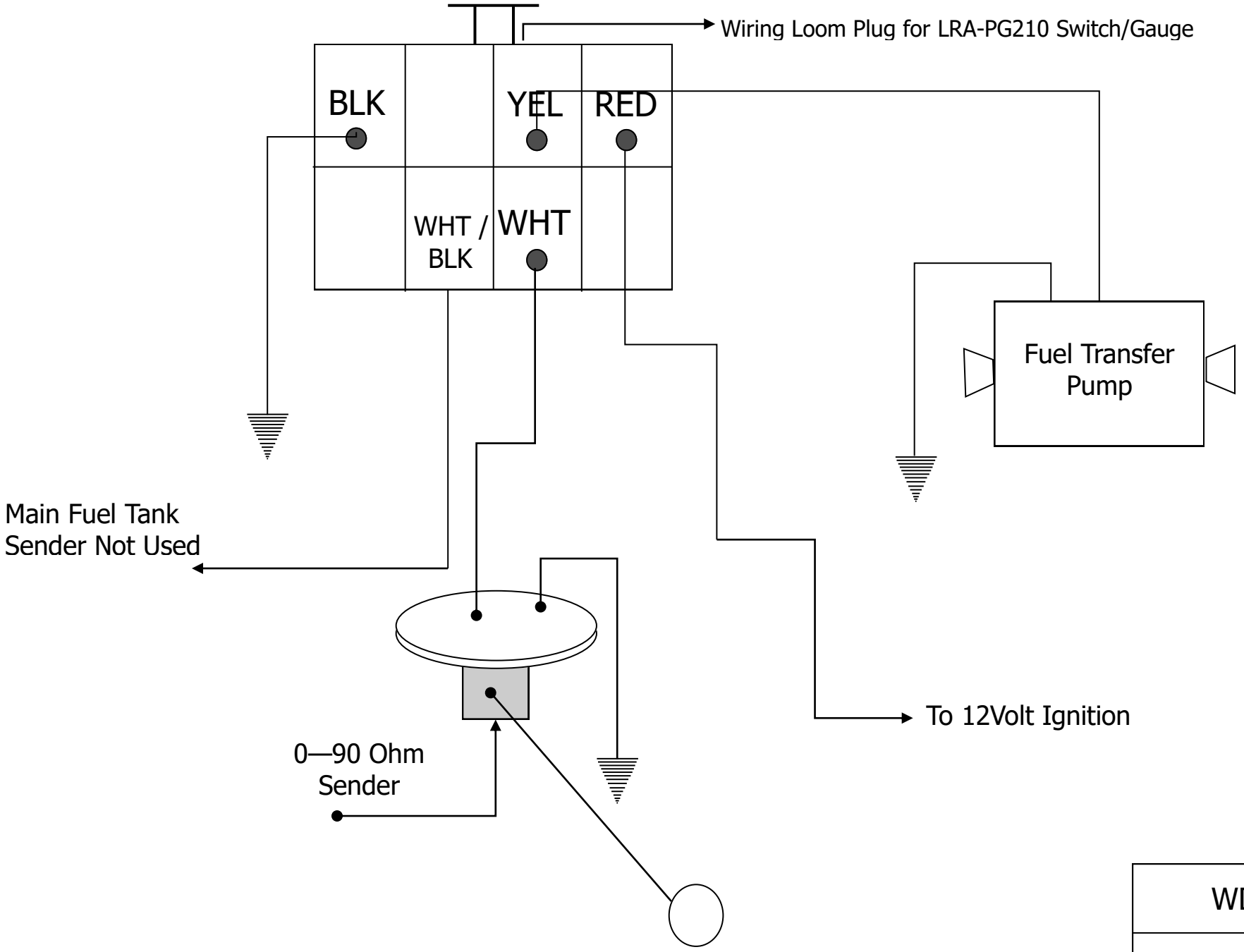




NEW TWIN FILLER INSTALLED
TO OEM FILLER RECESS.
AND SHOWING SUGGESTED POINTS
FOR TECH SCREWS

INFMLA
FORD MAVERICK
73 Lt AUX TANK


AUXILIARY TANK FAST FILL
P6 5/8 X 1/4 ELBOW
OEM TANK FAST FILL
P6 5/8 X 1/4 ELBOW
AUXILIARY TANK VENT
P6 1/4 X 1/4 ELBOW
FUEL TRANSFER PORT
P6 5/16 X 1/4 ELBOW
PUMP
FILTER
ORIGINAL TANK
P3 1/4 X 1/4 STRAIGHT
P3 5/8 X 1/4 STRAIGHT
INNPGQLA01
GQ PATROL / MAVERICK LWB
AUXILIARY TANK


Wiring Loom Plug for LRA-PG210 Switch/Gauge
BLK
YEL
RED
WHT / BLK
WHT
Fuel Transfer Pump
Main Fuel Tank Sender Not Used
To 12Volt Ignition
0—90 Ohm Sender

WDSGPG210