



Installation Instructions for NPGQCA Nissan Patrol GQ Coil Cab 110L Auxiliary Tank

This auxiliary tank fits forward of the rear axle on the right hand side 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. Screw the 6mm elbow into the socket in the expansion box, pointing to the rear and the 12mm elbow into the socket next to the filler neck, pointing up. The remaining 8mm elbow goes into the fuel pick up socket.
2. Carry out necessary wiring and installation of switch/gauge unit and fuel pump.
3. There is a small gusset welded towards the right hand rear of the tank location which has an 8mm hole drilled in it. Locate this hole and drill it out to 10mm, 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. Check all fuel lines are clear. Clamp front of tank, drill holes and secure with M10 x 85mm bolts and Nyloc nuts. Secure long rear bracket with M10 x 75mm bolt and Nyloc nut. **NOTE:** Due to chassis variations you may need to space the rear of the tank down slightly on some vehicles.
4. Connect auxiliary tank filler to steel filler neck with hose supplied. Mount filler neck to tray in suitable location with mounting bracket supplied. Connect 600mm length of 12mm hose from 12mm hose barb elbow on auxiliary tank to 12mm fast fill fitted to filler neck. Cut into original fast fill line of original rear tank and fit double reducing tee as part of this line. 8mm branch goes to the discharge side of the fuel

transfer pump. The 6mm branch goes to 6mm hose barb elbow from the expansion chamber on the auxiliary tank. Finish connection of fuel pump to fuel pick-up line with filter between fuel pump and pick-up. Connect fuel sender wires. Fill with fuel and check system operation.

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

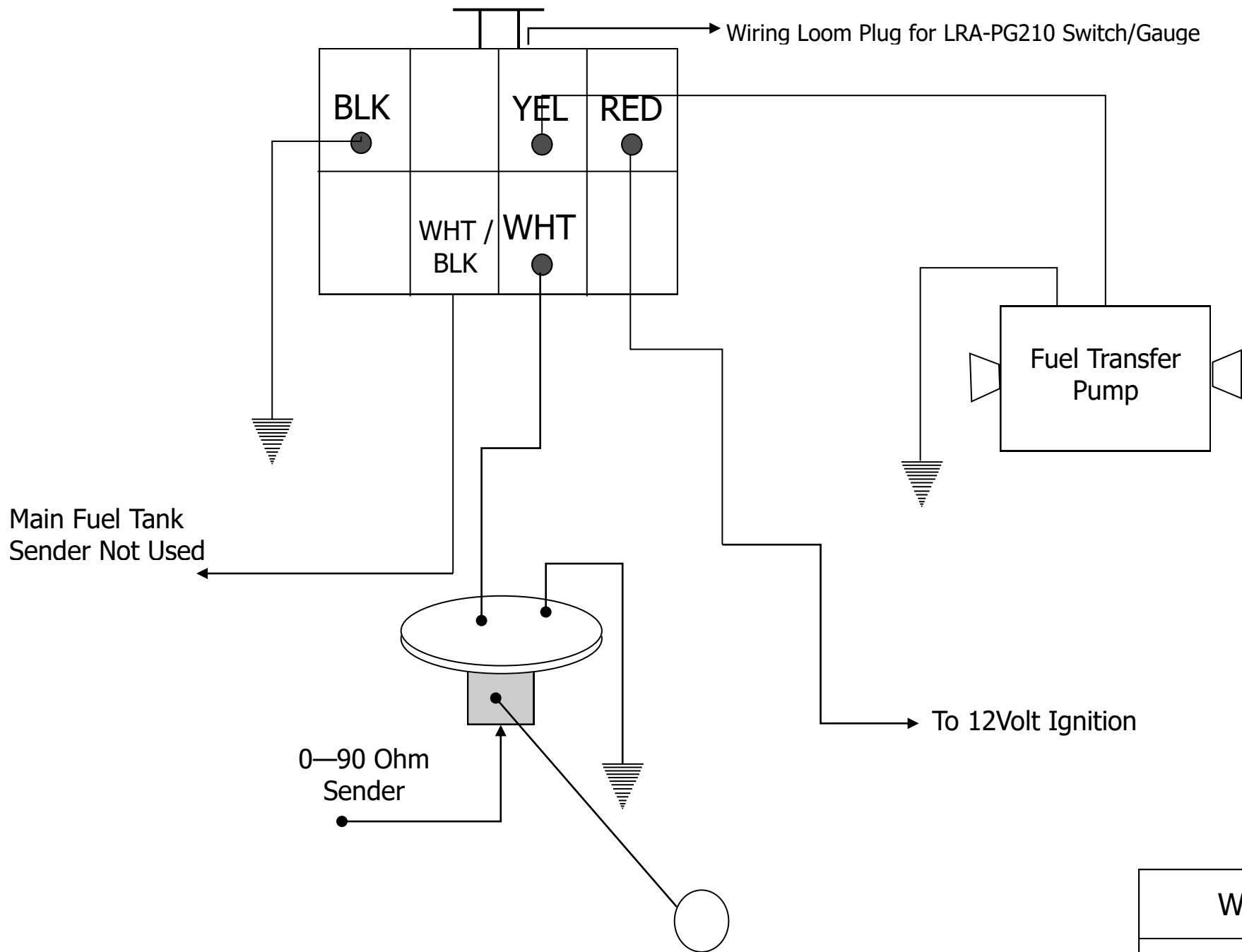


FITTING KIT CONTENTS NPGQCA

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1 x P6 1/4 x 1/4 (6mm hose barb elbow) ○ 1 x P6 1/2 x 1/4 (12mm hose barb elbow) ○ 1 x P6 5/16 x 1/4 (8mm Elbow) ○ 1 x 16mm x 6mm x 8mm double reducing tee 	<ul style="list-style-type: none"> ○ 1 x LRAPG-210 Switch Gauge Unit ○ 1 x 3mm 2 core wire @ 5000mm ○ 1 x red insulated terminals ○ 2 x 6mm eye terminals ○ 3 x 3mm Heat shrink tube @ 25mm
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 3 x M5 x 12mm pan head screws ○ 3 x M5 nuts ○ 9 x M5 washers ○ 1 x M10 x 75mm bolt ○ 2 x M10 x 85mm bolts ○ 1 x M10 x 30mm bolt ○ 1 x M10 plain nut ○ 4 x M10 Nyloc nuts ○ 4 x M10 washers ○ 2 x 8mm head TEK screws 	<ul style="list-style-type: none"> ○ 1 x filler neck ○ 1 x fuel cap to suit ○ 1 x filler neck mounting plate
Hose Clamps:	Cable Ties:
<ul style="list-style-type: none"> ○ 8 x 1/4" hose clamps ○ 2 x 1/2" hose clamps ○ 2 x 5/8" hose clamps ○ 2 x 1 1/2" hose clamps 	<ul style="list-style-type: none"> ○ 10 x 7" Cable ties ○ 5 x 11" Cable ties
Sender:	Pumps & Filters:
<ul style="list-style-type: none"> ○ 1 x 0-90 OHM Sender Unit, set up in tank with 400mm earth lead 	<ul style="list-style-type: none"> ○ 1 x Transfer fuel pump ○ 1 x Z14 fuel filter
Hose:	4 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x 44mm fuel hose @ 400mm ○ 1 x 8mm fuel hose @ 1500mm ○ 1 x 12mm CMP hose @ 600mm ○ 1 x 6mm CMP hose @ 1400mm 	<ul style="list-style-type: none"> ○ 2 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Wiring Diagram WDSPG210

Kit Packed By _____

Checked By _____



WDSGPG210