



Installation Instructions for NPGUAX Nissan Patrol GU Export Only / Factory Single Tank Model Only 75L Auxiliary Tank

This Auxiliary tank fits forward of the rear axle on the RHS of the drive shaft. 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 LED's will indicate the 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 the installation of wiring, switch/gauge and pump as per wiring diagram. Also mount the fuel pump in a suitable protected location.
2. Remove the STD filler bucket assembly and using template as a guide cut a 57mm diameter hole in the available space to mount the filler neck for the auxiliary tank, fix in place with 3 x M5 pan head screws, nuts and washers. Note: The filler neck should be positioned with the socket in the 2 o'clock position. Fix the P6 5/8 x 1/4 elbow to socket for the fast fill vent for the auxiliary tank. Slot the front mounting hole for adjustment after shaping the mount strap around the new filler. Refit the filler assembly to the vehicle at the same time putting the 16mmx8mmx6mm double reducing tee into the fast fill vent for the main tank. (8mm side to main tank and 6mm side to filler neck.)
3. Prepare the tank for installation. Fit the roll over valve and the P6 5/16x1/4 elbow to the top of the tank pointing towards the rear, at about the 8 o'clock position and the P6 5/8x1/4 elbow pointing towards and slightly above the filler neck. Fit the 1600mm lengths of 6mm & 8mm hose to the vent and fuel pick up fittings on the top of the tank.
4. Bolt the secondary bracket in place to the captive nut in the chassis on the drive shaft side with the long leg pointing down. The outside rear mounting bracket bolts to a gusset towards the R/H rear of the tank location. This has an 8mm original hole in it which needs to be enlarged to 10.5mm. Lift tank into position, (don't forget to

connect sender unit wires) and start the 2 front bolts then the rear outside and inboard mounts. Check all clearances and tighten all mounting bolts.

5. Join the new filler neck to the tank using the 2 steel fill pipe sections and rubber hose sections. Connect 16mm hose from elbow on tank to elbow on new filler neck. The 6mm hose from the roll over valve goes to 6mm branch of the double reducing Tee previously fitted to the main tank fast fill vent hose. Connect the 8mm fuel pick up line from auxiliary tank to the inlet side of the filter. Connect the outlet side of the filter to the inlet side of the transfer pump. Connect the outlet side of the transfer pump to the 8mm branch on the 16mmx8mmx6mm double reducing tee.
6. Neatly cable tie all hoses and wiring. Fill with fuel and check fuel pump operation.



FITTING KIT CONTENTS NPGUAX

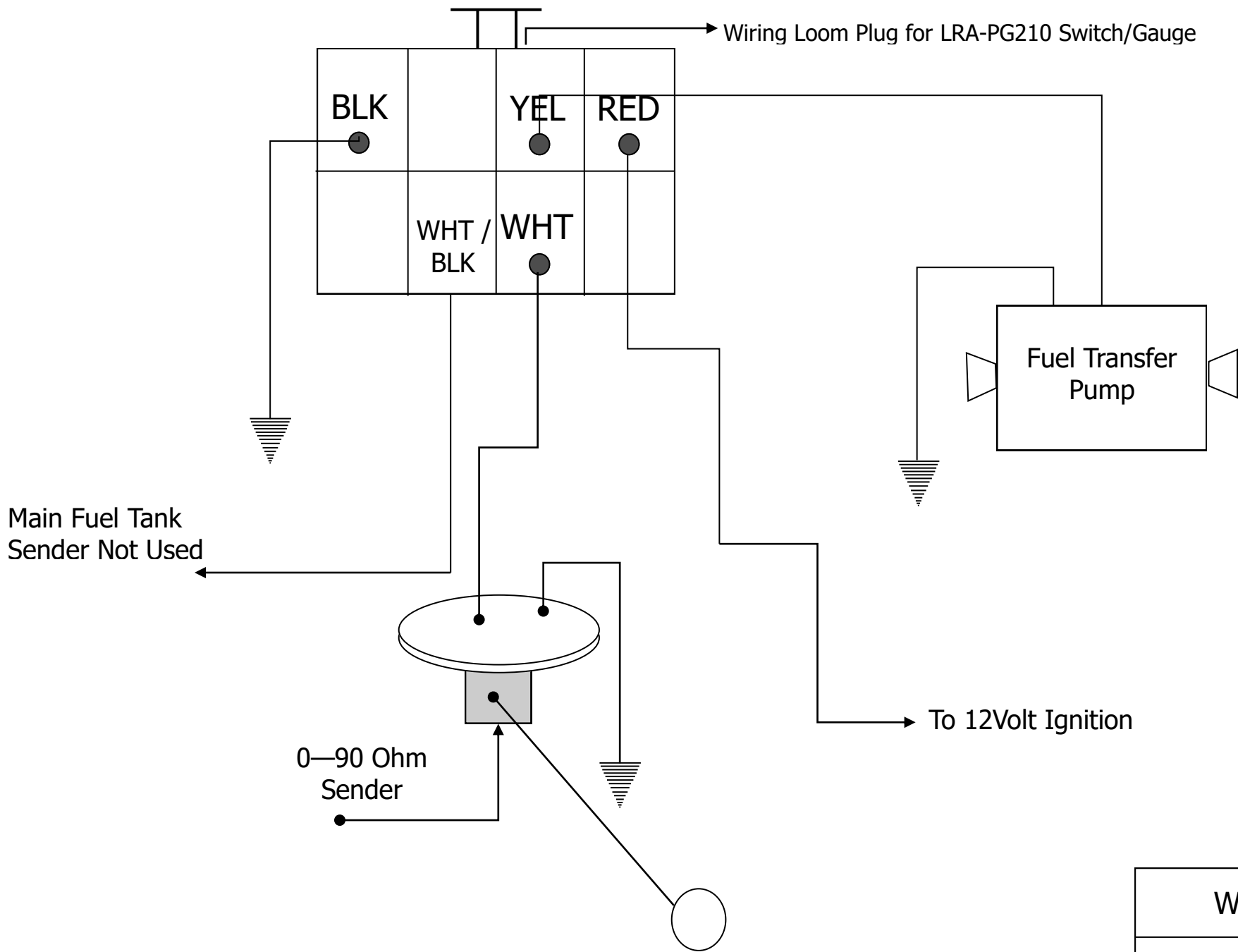
Updated 17/1/23 - TL

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Brass: <ul style="list-style-type: none"> ○ 2 x P6 5/8 x 1/4 Elbow ○ 1 x 16 x 8 x 6mm Double Reducing Tee ○ 1 x P3 5/16 x 1/4 Straight 	Electrical: <ul style="list-style-type: none"> ○ 1 x LRA PG-210 Switch Gauge Unit ○ 1 x 3mm Two Core Wire @ 5000mm ○ 1 x 4mm Single Core Blue Wire @ 300mm ○ 1 x 5AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 1 x Red Insulation Terminal ○ 2 x 6mm Earth Eye ○ 3 x Heat Shrink Tube @ 30mm
Bolts / Nuts: <ul style="list-style-type: none"> ○ 5 x M10 x 25 x 1.25 Fine Thread Bolts ○ 2 x M10 Fine Thread Nyloc Nuts ○ 1 x M10 Fine Thread Plain Nut ○ 7 x M10 x 25mm Washers ○ 3 x M5 x 12 Pan Head Screws ○ 3 x M5 Nuts ○ 3 x M5 Flat Washers ○ 3 x M10 Springs ○ 1 x M6 x 20mm Bolt ○ 1 x M6 x 20mm Washer ○ 1 x M6 Spring Washer 	Misc Parts: <ul style="list-style-type: none"> ○ 1 x Steel Fill Pipe - Part #FPGUEXP1 ○ 1 x Steel Fill Pipe - Part #FPGUEXP2 ○ 1 x Steel Filler Neck - Part #FNGUEXP (Diesel/Petrol) ○ 1 x Secondary Bracket ○ 1 x Fuel Cap ○ 1 x Roll Over Valve ○ 1 x LRA-FTG-2 Grommet ○ 1 x Filler Neck Template
Hose Clamps: <ul style="list-style-type: none"> ○ 4 x 1 1/4 Hose Clamps ○ 2 x 1 1/2 Hose Clamps ○ 4 x 5/8 Hose Clamps ○ 8 x 1/4 Hose Clamps 	Hose: <ul style="list-style-type: none"> ○ 1 x 38mm Fuel Hose @ 400mm ○ 1 x 38mm Fuel Hose @ 100mm ○ 1 x 44mm Fuel Hose @ 160mm ○ 1 x 8mm Fuel Hose @ 1600mm ○ 1 x 6mm Fuel Hose @ 1600mm ○ 1 x 16mm CMP Hose @ 1500mm
Pumps & Filters: <ul style="list-style-type: none"> ○ 1 x Fuel Pump & Filter ○ 1 x Fuel Pump Mounting Plate 	Cable Ties: <ul style="list-style-type: none"> ○ 10 x 7" Cable Ties ○ 5 x 11" Cable Ties

	<ul style="list-style-type: none"> ○ 2 x 14" Cable Ties
Sender:	4 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x 0-90OHM Sender Unit C/W 700mm Earth, Installed Using: <ul style="list-style-type: none"> - 5 x M5 x 10mm Pan Heads - 5 x M5 Spring Washers 	<ul style="list-style-type: none"> ○ 2 x Pages Fitting Instructions ○ 2 x Pages Fitting Kit Contents ○ 1 x Page Wiring Diagram - WDSGPG210

Kit Packed By _____

Checked By _____



WDSGPG210