



LONG RANGE FUEL TANKS  
NPGUA2

Brown Davis Automotive Pty. Ltd.  
ABN: 72 657 573 544

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NISSAN PATROL GU (Y61) (1997-PRESENT) - LWB- 80lt AUXILIARY TANK  
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS  
PART NUMBER: NPGUA2

Item #	Description	Quantity	Part No.	P	C
1	TANK—AUXILIARY	1	NPGUA2	-	-
2	DRAIN PLUG—MAGNETIC—M14 (FITTED TO THE TANK)	1	DP-M14	-	-
3	HOSE – TMP - 6mm	0.7m	HO-TM-3401		
4	HOSE – FUEL AND EMISSION - 8mm	0.4m	HO-FU-3002		
5	HOSE CLAMP – STAINLESS – 8-16mm	3	HO-CL-2002		
6	HOSE CLAMP – STAINLESS - 12-22mm	1	HO-CL-2003		
7	HOSE CLAMP – STAINLESS - 25-40mm	1	HO-CL-2007		
8	BRASS – TAIL BARB - 5/8" x 3/8" BSP	1	BF-TB-2513		
9	BRASS – TAIL BARB - 1/4" x 1/4" BSP	1	BF-TB-2503		
10	WIRE – TWIN CORE – 3.0mm – RED/BLACK	1.5m	EL-WI-2011		
11	CRIMP FITTING – JOINER ¼" - RED	4	EL-CF-3014		
12	MAGNETIC DISC (fitted in swirl pot)	1	FNR-038-044		
13	FUEL FLOAT EXTENSION WIRE - 100mm	1			
14	WARRANTY INFORMATION SHEET	1			
15	BROWN DAVIS AUTOMOTIVE STICKER	1			

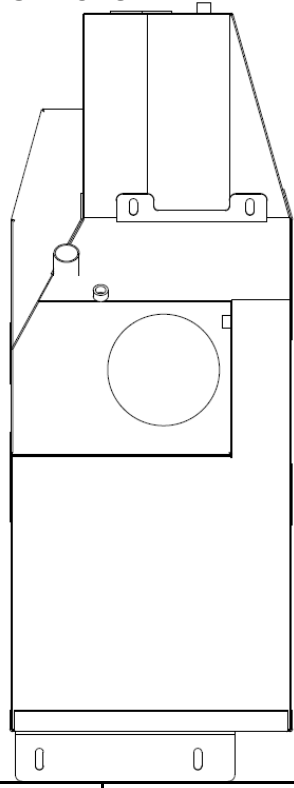
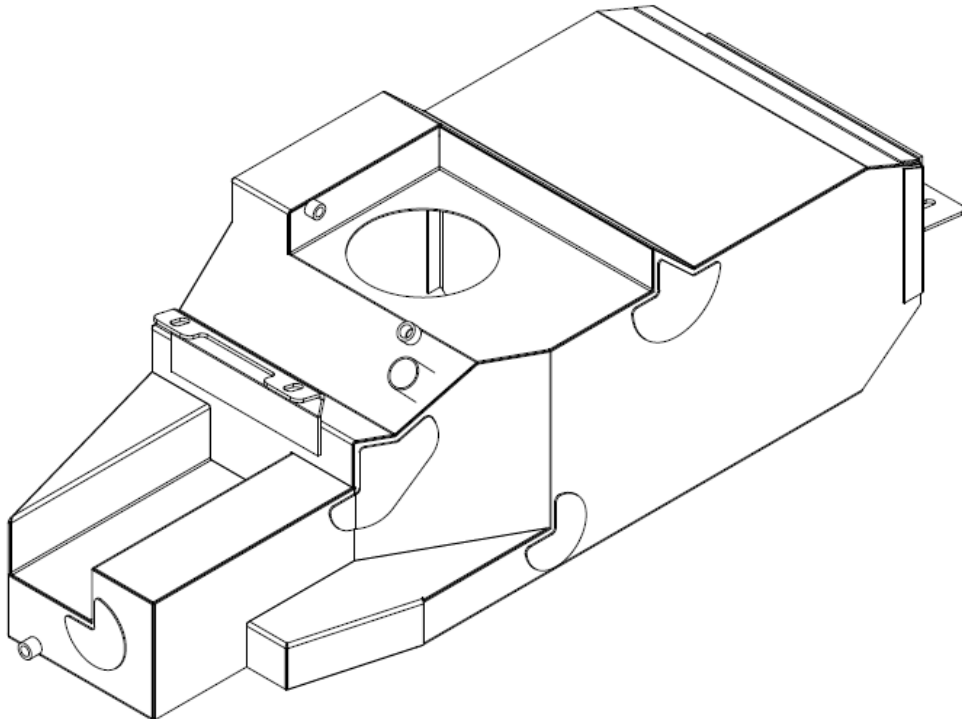
	STAFF MEMBERS INITIALS	DATE
KIT PACKED BY		
KIT CHECKED BY		

0  
10  
20  
30  
40  
50  
60  
70  
80  
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**PART NUMBER: NPGUA2  
80lt REPLACEMENT TANK  
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS**



<p><b>WARNING:</b></p> <p><b>THIS FUEL TANK IS HEAVY. DO NOT ATTEMPT TO LIFT THIS FUEL TANK WITHOUT APPROPRIATE ASSISTANCE OR SERIOUS INJURY MAY RESULT</b></p>	
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<p><b>WARNING:</b></p> <p><b>ENSURE A FIRE EXTINGUISHER IS AVAILABLE WHILST WORKING NEAR EXPOSED FUEL</b></p>	
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**-CHECK CONTENTS OF KIT BEFORE COMMENCING FITMENT**

**-DRAIN VEHICLE FUEL TANK TO LOWEST LEVEL POSSIBLE BEFORE COMMENCING FITMENT**

**-BEFORE INSTALLATION THE BROWN DAVIS LONG RANGE TANK SHOULD BE WASHED OUT WITH THE SAME FUEL TYPE AS THE VEHICLE IT'S BEING FITTED TO**

**Any questions or information required in relation to the below instructions please do not hesitate to contact Brown Davis head office or one of our distributors.**

**Phone: +61 (3) 9762 8722**

**Email: [info@browndavis.com.au](mailto:info@browndavis.com.au)**

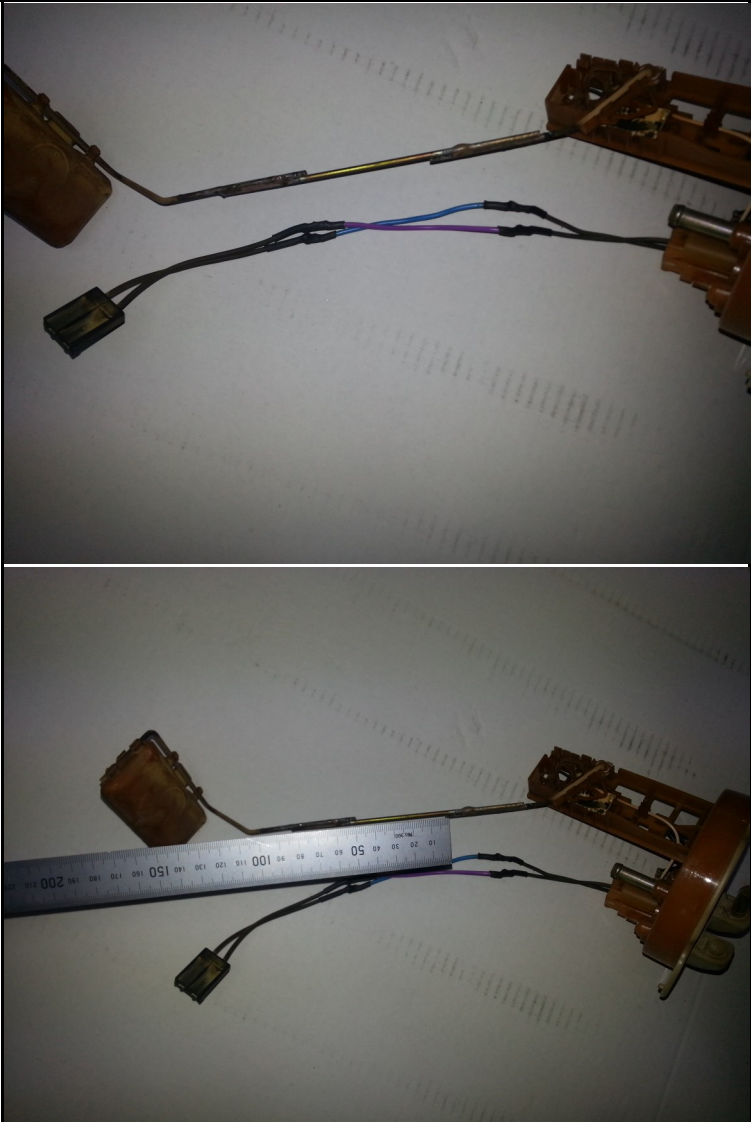
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### REMOVAL STANDARD OF STANDARD TANK

1.	Remove the wheel arch filler neck cover plate from behind the driver's side rear wheel, under the wheel arch.	
2.	Drain all fuel from the sub tank. <ul style="list-style-type: none"> <li>Disconnect the filler hose, fast fill breather, pick up hose and the vent.</li> </ul>	
3.	Undo all bolts and with a lifting device in place carefully lower fuel tank. <ul style="list-style-type: none"> <li>Disconnect the send unit wire on the way down.</li> </ul>	

### SETUP OF AUXILIARY TANK

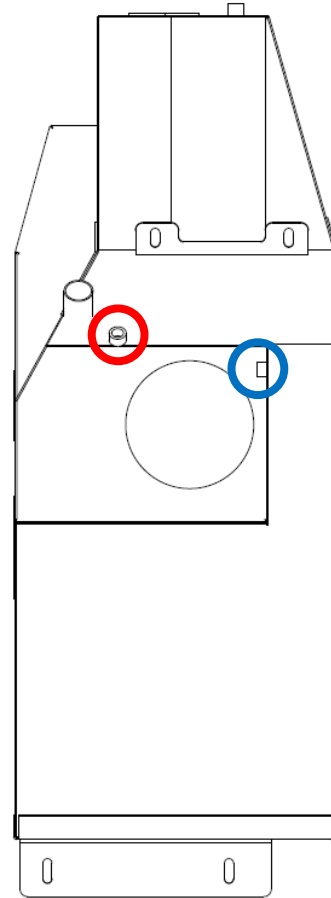
4.	Remove the fuel gauge sender unit from this standard rear sub tank. <ul style="list-style-type: none"> <li>To suit the new tank, the float arm needs to be extended 50mm</li> </ul> <p>⇒ Cut the float arm in half.</p> <p>⇒ Silver solder the FUEL FLOAT EXTENSION WIRE - 100mm supplied onto the float arm over lapping the ends 25mm. <li>For the petrol version of the tank the pump wires also need extending.</li> <p>⇒ Use the wire and joiners supplied to achieve this.</p> <ul style="list-style-type: none"> <li>Once sender unit has been modified. Install it on the new tank using the original Nissan O-ring seal and screws. (If the O-ring has expanded, 10 minutes in the sun drying out will shrink it back again to standard size).</li> </ul> <p><b>NOTE:</b> Install the fuel pump inside the tank onto the bracket before installing sender unit with petrol cars.</p> <p><b>NOTE:</b> Check the operation of the float arm by shinning a torch and looking through the filler. Use wire to hook and move the float arm. Insure the float sits 3mm off the bottom of the tank. <i>**The float arm is what turns the pump off when tank is empty**</i></p> </p>	
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5. Install the brass fittings into the new auxiliary fuel tank using Teflon tape, thread sealant or the likes on all threads.

- **BRASS – TAIL BARB - 5/8" x 3/8" BSP - Circled in Red**
- **BRASS – TAIL BARB - 1/4" x 1/4" BSP - Circled in Blue**



<b>INSTALLATION OF AUXILIARY TANK</b>	
<p>6. Position the new tank (using a lifting device) under the floor of the vehicle, keeping as close to and parallel to the driver's side chassis rail. (The tank should touch the driver's side rear lower axel control arm pivot bolt head).</p>	
<p>7. Fit the two saddle mounting clamps to the top of the rear tank mounting brackets, and around the rear tubular cross-member, and do up finger tight.</p> <ul style="list-style-type: none"> <li>• Drill holes through the front bracket and round cross-member at each end of the bracket (bolts put up through with nuts between the cross-member and the upper tank section) and bolt up using the bolts, spring washers and nuts supplied.</li> <li>• Tighten all bolts, check clearances. Double nuts should be used on all mounting bolts and clamps.</li> </ul>	
<p>8. Connect the pick-up hose and the sender wiring to the sender unit.</p>	
<p>9. Connect the <b>BRASS – TAIL BARB - 1/4" x 1/4" BSP</b> to the breather line.</p>	
<p>10. Connect the filler hose and the fast fill breather hose to the tank.</p>	
<p>11. The wheel arch guard can now be refitted.</p>	
<p>12. Double check all fuel line clamps and security of fuel lines. Fill tank and check for leaks. Road test and check for rattlers &amp; squeaks. Re-check for fuel leaks.</p>	