



LONG RANGE AUTOMOTIVE

Installation Instructions for NPGQR Nissan Patrol GQ 146L Replacement Tank

1. Remove the standard fuel tank. Remove the fuel pick up/sender unit and the breather valve from the standard tank.
2. Modify the sender unit float arm by opening up the bends in float arm to make it longer, refer to the diagram provided. Check the float arm travel to ensure the float arm does not foul on any part of the tank.
3. Fit the fuel pick up/sender unit to new tank using OEM screws and new O-ring, refer to the diagram provided. Fit the 6mm straight hose barb to the expansion box on top to the tank and the 16mm elbow hose barb into the fitting on top of the tank near the filler neck.
4. Screws that protrude through floor pan from left hand side luggage retaining hooks must be trimmed off flush. Also the bracket and bolts for the rear seat lock down latch must be trimmed and the bracket removed from the floor pan.
5. Install the new tank and connect all hoses and fittings. The breather valve from the OEM tank must be reinstalled: top of the valve marked 'TANK' is to be connected to 6mm hose barb on the expansion box.
6. Fill with fuel and check all hoses and fittings for leaks.

NOTE: Use high quality sealer such as Permatex 3J on all hoses and fittings.

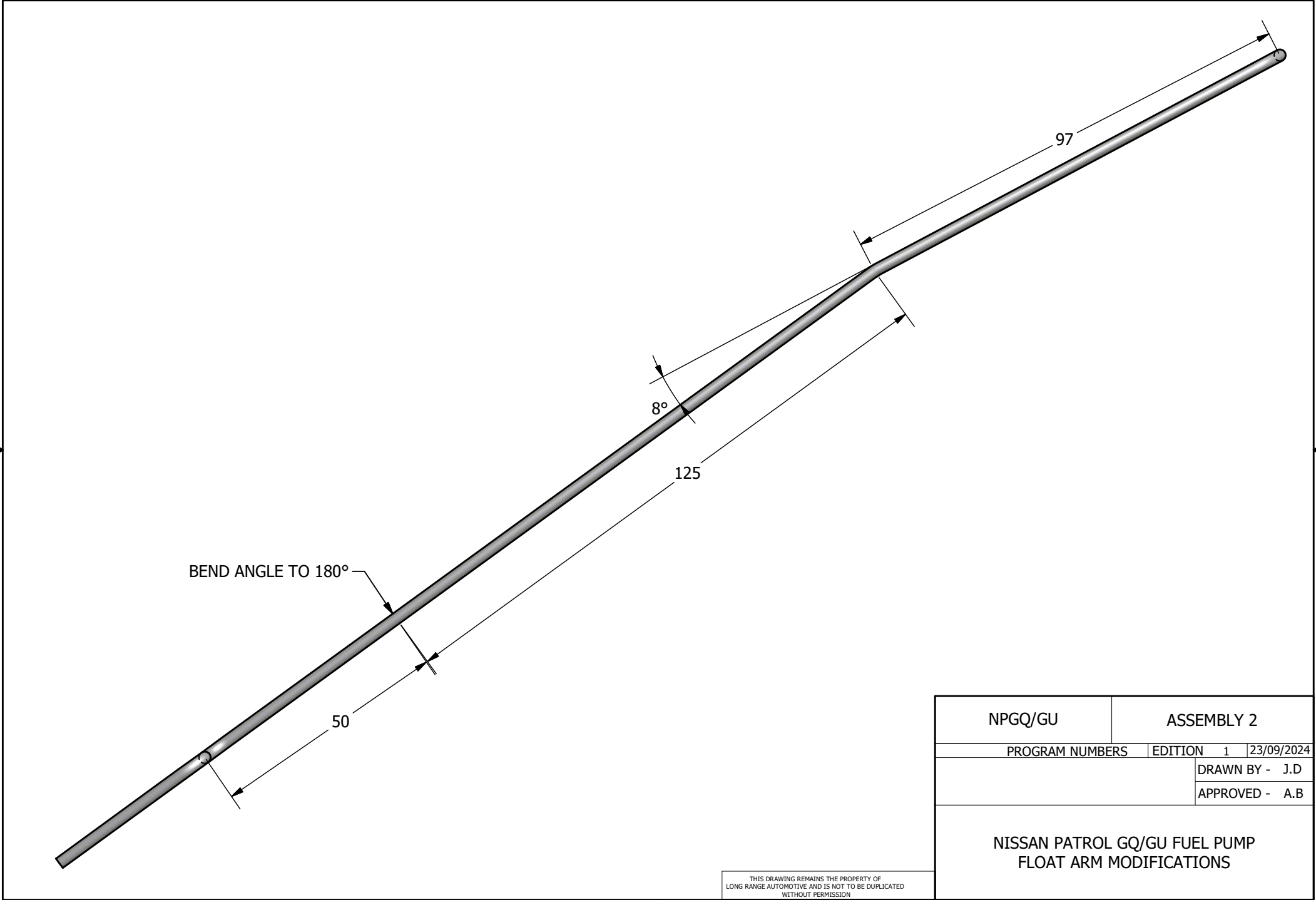


FITTING KIT CONTENTS - NPGQR

Brass	Electrical
○ 1 x P6 5/8 x 3/8 (16mm hose barb elbow) ○ 1 x P3 1/4 x 1/8 (6mm hose barb straight)	
Bolts / Nuts	Misc Parts
	○ 1 x BS351 O-ring
Hose Clamps	Cable Ties
○ 2 x 1/4 Hose Clamps ○ 2 x 1/2 Hose Clamps ○ 1 x 5/8 Hose Clamp ○ 1 x 1 1/2 Hose Clamp	
Hose	4 Page of Fitting Instructions Consisting of:
○ 1 x 6mm Fuel Hose @ 700mm ○ 1 x 6mm Fuel Hose @ 270mm ○ 1 x 10mm Fuel Hose @ 270mm	○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page Float Arm Diagram ○ 1 x Page Pump Assembly Diagram

Kit Packed By _____

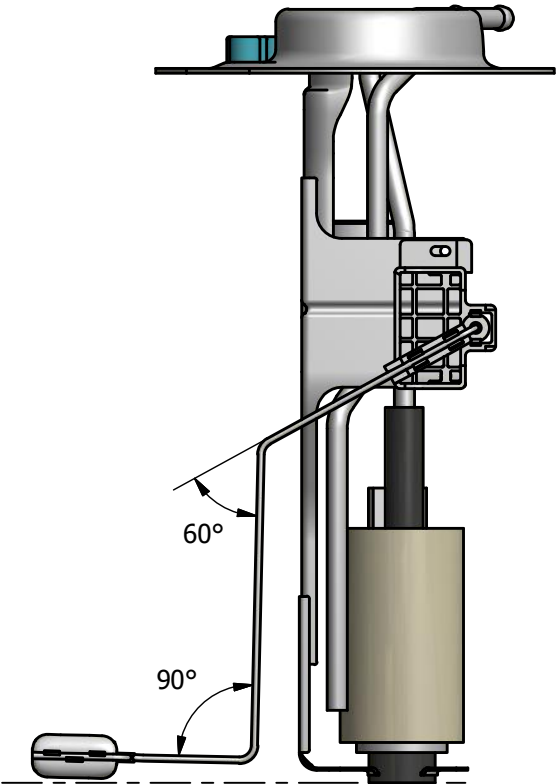
Kit Checked By _____



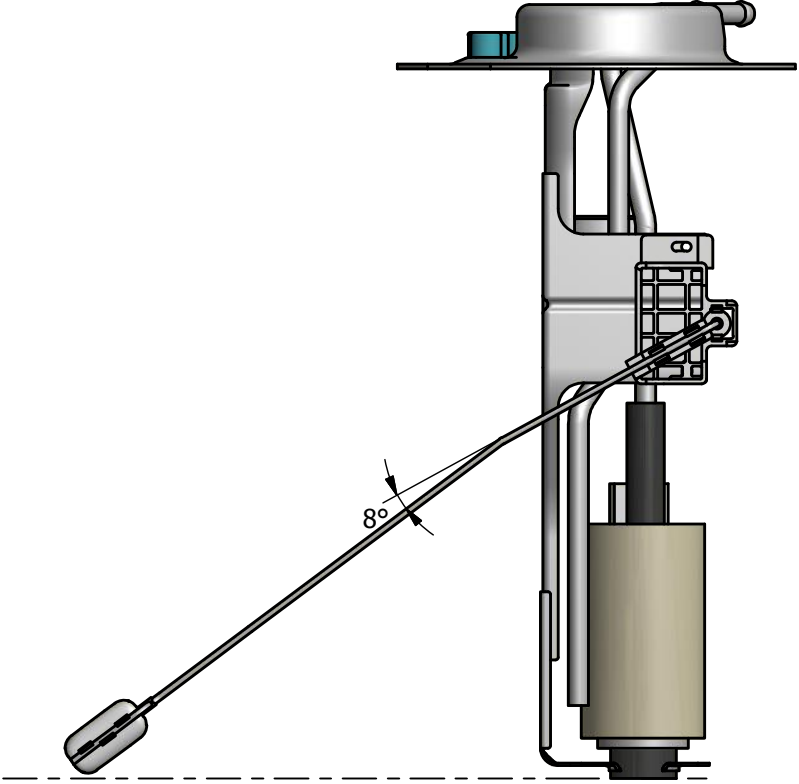
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NPGQ/GU		ASSEMBLY 2	
PROGRAM NUMBERS		EDITION 1	23/09/2024
		DRAWN BY - J.D	
		APPROVED - A.B	
NISSAN PATROL GQ/GU FUEL PUMP FLOAT ARM MODIFICATIONS			

WITH EXISTING FLOAT ARM



WITH MODIFIED FLOAT ARM



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NPGQ/GU		ASSEMBLY 1	
PROGRAM NUMBERS		EDITION 1	11/09/2024
		DRAWN BY - J.D	
		APPROVED - A.B	
NISSAN PATROL GQ/GU FUEL PUMP FLOAT ARM MODIFICATIONS			