



## Nissan GU 4.5 litre Patrol with an Impco Airvalve system.

**System type:** Under bonnet we use an Impco airvalve system as the most suitable and durable equipment to fit to this application. This has an automatic petrol start and is a closed loop system using the car's exhaust oxygen sensor to feed information back to the gas processor to control the mixtures.

**Cylinder:** A gas cylinder of 92 litres useable capacity is fitted under the rear in place of the main petrol tank and a new petrol tank of 75 litres capacity is fitted in place of the small sub-tank.

The gas cylinder is a much thicker walled tank because of its bigger diameter and it has brackets fitted to it to allow it to be bolted straight to the Patrol's cross members. The new petrol tank is designed to take up all the available space and is shaped to suit the body. Smaller tanks are available and they are cheaper and just a square metal box that hangs down below the cross members with a square edge to catch objects rather than sloped as in the Long Range tank we use.

**Location:** Under rear behind rear axle with no effect on departure angle.

**Controls:** The contents of the gas tank is displayed on the sub-tank gauge and the contents of the new petrol tank is displayed on the main-tank gauge. This because the petrol bowser diagram is on the main gauge.

**Filler:** The main tank filler is replaced with an LPG filler.

**Disclaimer:** We endeavour to get all our data correct but we do not guarantee that we are perfect and haven't made an error in some of the data.

With the injection systems we do change the brand we use where we can improve on the quality of the equipment fitted. We are not tied into one particular brand and we are entirely motivated by self-interest; we aren't compensated for the labour to replace parts under warranty. When we fit components we don't fit them for ease of replacement but for best performance and looks and then within the requirements of the standards. It is therefore in our interests as well as yours that we don't have to replace parts and so we make sure we fit the most reliable, long lived parts.

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