

FITTING INSTRUCTIONS

PART NUMBER *MPNMGLRA*

TANK TYPE *MITSUBISHI NM/NP PAJERO GL (WITHOUT FOLD DOWN REAR SEATS) 115L AUXILIARY TANK*

INSTRUCTIONS

This Auxiliary Fuel Tank fits up under the rear of the vehicle, it has a capacity of 115L. The standard filler is replaced with a new twin filler neck.

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. Locate a suitable blank or flat area in dash and mount switch/gauge. Run wiring loom from switch/gauge to fuse box area, remove front and rear RH scuff plates, also remove RH front kick panel. Remove rear seat and black inspection hatch cover from under rear seat area. Run twin core wire provided from RH kick panel area through the wiring gromet inside cavity under inspection hatch. Twin core wire will now be accessible from above the rear of OEM fuel tank. Connect all wires as shown in wiring diagram, refit all trim previously removed.

2. Remove RH rear inner wheel arch cover to reveal OEM fuel fill pipe. Remove fill pipe assembly from vehicle and cut as shown in diagram. File cut ends smooth and install 80mm length of 35mm hose to filler pipe and refit assembly to vehicle. Enlarge 3 small mounting holes in filler recess to 8mm.

Install brass fittings to new twin filler neck; 5/16x1/4 elbow goes into socket in fill pipe and points to the same direction as pipe. One 5/8x1/4 elbow goes in the socket on angled face of twin filler, this fitting will be the auxiliary tank fast fill, the other 5/8x1/4 elbow goes in the socket adjacent to the shorter fill pipe, this fitting is the OEM tank fast fill. The remaining socket is for the 1/4x1/4 elbow and this fitting will be the auxiliary tank vent.

Install 400mm length of 16mm NTP hose to top rear fast fill part on filler, this hose will be connected to OEM tank fast fill tube. Secure new twin filler in place using

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OEM screws and rubber gasket.

3. Study drawings relating to RH rear chassis rail (inner and outer views), measure and mark out position for holes and cut holes using 30mm hole saw (this is for auxiliary tank fast fill hose). Mount transfer pump to body cross member above rear diff.
4. Lift carpet in cargo area of vehicle, under vehicle locate 2xM10 fine thread captive nuts adjacent to body cross member above rear diff. Drill 6mm holes in floor using these captive nuts as a guide. Inside cargo area of vehicle find 6mm holes previously drilled. Place floor plates provided on the floor as shown in diagram, mark and drill all holes to 10.5mm (use care in doing this so as not to damage captive nut threads). Secure floor plates using M10x30 fine bolts at the front of floor plates and M10x50 fine thread bolts at the rear of floor plates. Mount and secure rear tank cross bar using bolts provided. This is mounted at the rear of chassis, if no tow bar is fitted, a spacer plate will need to be used at both ends of the cross bar.
5. Install 5/16x1/4 elbow fitting pick up socket at front of tank, install this fitting pointing up. Check OHMS reading of gauge sender with sender installed in tank. Readings should be 0.5 -2 OHMS Empty and 88 - 92 OHM Full. (To check full reading invert tank).

Install 1/4x1/4 straight fitting to tank expansion box socket and connect 6mm vent hose to tank. Install 800mm length of 16mm hose to fast fill tube on tank. Ensure rubber grommets are installed in 30mm holes previously cut in chassis rail, apply a small amount of oil to these grommets to enable fast fill hose to slide through easier.

6. Lift tank up into position and secure using straps provided. Install steel fill pipes and connect remaining hoses and wires. Neatly cable tie wires and hoses away from moving parts, install 16mm conduflex over vent hose and pick up near bottom of chassis rail.

Trim plastic cover from inside wheel arch to fit around new fill pipe, refit cover, 6mm bolt welded to base of new filler is to be used as mouning point for this cover. Refit carpets and trim from inside vehicle, fill with fuel and check for leaks.

NOTE 1: Quality Sealer Should Be Used On All Fittings. E.g. PERMATEX 3J.