

8.0 Fuel tank

The Cat fuel tanks capacity is 5.6 gallons (25 litres). The fuel tank is positioned on the rear horizontal chassis supports behind the vertical alloy panel, use rubber strip or other to sit the tank on-. Position the tank centrally and approximately 75mm from the vertical chassis members on which the seat belt fixings are situated. It is advisable to loosely fit the rear grp section to check for clearance and position of tank/neck/filler/wheels being central.

The fuel tank is to be held in position by using 2 purpose made metal straps, with rubber protection packing. Use M8 bolts and nyloc nuts to fix the metal straps to the chassis member, avoid the fuel tank sender unit fixing point and the tank filler, it may be required to cut off a piece of the 2" filler tube on the tank) fig 8

After the rear body GRP panel is fitted, the fuel tank filler neck and cap can fitted in to position, it is recommended that the cap is fitted as high as possible on the off side rear of the body (under boot cover) Mark the position of the neck in relation to the tank filler tube inside; allow for the angle of the neck tube hole, and cut out the GRP with a 50mm hole cutter and file out to a slight oval with a half round file. Use a hacksaw blade or file to cut out a small recess for the breather pipefitting.(neck to fuel tank)

The neck is fitted into the GRP body panel. Position and drill holes to fix to the GRP panel(counter sunk hole) on outer edge - A short length of metal reinforced rubber pipe fits over the tank filler pipe and the metal filler cap attachment is supplied, if you have to shorten this leave enough pipe to allow fixing with a jubilee clip on each end.

Offer up the electrical fuel gauge sender unit alongside the tank and bend the wire float assembly to a position where it will give accurate full and empty readings. Fig 8a

The electric fuel tank sender must be carefully fitted by drilling holes through the top of the fuel tank, care must be taken to avoid metal filings dropping into the tank, use the Gasket to mark the hole positions, drill with 3mm drill. Use the gasket /seal when fitting unit with self-tapping screws.

Fit a rubber fuel tank breather pipe to the fitting near the tank filler pipe, attach the other end to



Fig 8a

The filler cap end and use jubilee clips

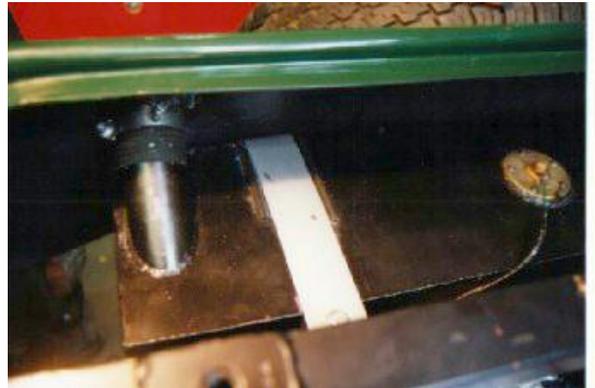


Fig 8

The main rubber fuel pipe is attached to the near side end of the fuel tank, use a jubilee clip to hold firm, this rubber pipe runs around the near side of the chassis and connects to the copper fuel line if a manual pump is being used-or to the electric pump inlet. Fig 8