

# *Injectronics*

## **TECHNICAL BULLETIN**

### **VARIOUS**

#T0012

**Make: Various**

**Model: Various**

**Subject: Fuel pumps – Installation precaution**

Before installation of a new pump it may be necessary to assess why the original pump failed. It may also be necessary to check the current draw of the old fuel pump because excess current draw or excessive noise may indicate that foreign material may be lodged in the pump or there is a restriction in the fuel supply to the pump.

The current must be less than 6.5 amps (see manufacturers specifications) and the fuse rating must be correct. If the fuel pump fuse is dedicated to the pump only, the current can be measured at the fuse holder.

After the old pump is removed from the vehicle, empty the contents into a clean container and check for foreign particles in the fuel. The pump can also be cut open with a tube cutter such as an exhaust pipe cutter, do not use a hacksaw. If foreign matter is present, the tank and other associated fuel components should be inspected and if necessary, thoroughly cleaned.

The fuel pick up strainer in the fuel tank must always be thoroughly inspected and where necessary, replaced to conform to manufacturer's warranty. Where a lift or pre pump is fitted, its operation should be inspected prior to fitment of a main pump.

Injectronics suggests when fitting the replacement pump, be very careful not to damage the hoses when fitting because this may cause particles to be ingested into the pump causing premature failure. Do not push screwdrivers, drifts etc in to the rubber hose to plug, as this may damage the hose.

Once the system has been checked (and cleaned if necessary) and the new pump is installed check for correct fuel pressure and current draw. This will ensure that there are no partial blockages which would again cause premature pump failure.

The warranty on a new pump does not cover failure resulting from foreign matter, incorrect fitment or application. Vehicles running on LPG should always have sufficient fuel in the tank to eliminate the pump running dry.