



INSTRUCTIONS

Fuel Pumps

Please Read These First

These instructions are intended as a guide only and are not a substitute for a workshop manual. The fitter must have a degree of mechanical competence. If you are in any doubt as to your ability to fit the part, do not undertake the job.

For more Technical Tips and to register your warranty online visit

www.smpe.co.uk

Contact technical sales on

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www.smpe.co.uk

FuelParts^{UK} Intermotor

Fuel Pumps

The following instructions cover:

- Under car fuel pumps.
- In-tank fuel pumps.
- In-tank module / assemblies.

Safety

- No smoking / naked lights.
- Disconnect the battery before you start the job.
- Work in a well-ventilated area.
- Once started, complete the job; do not leave with the job half finished!
- The petrol pump is not designed for aviation or marine use unless specifically detailed.

Removing the old petrol pump.

1. Ensure that the area around the fuel pump is clean to avoid contamination.
2. Remove the old pump, drain and dispose of responsibly.

WARNING

The fittings on under-car petrol pumps can suffer from corrosion, this includes electrical connectors, fuel pipe and mountings. Ensure that they are not damaged when removing the old pump.

WARNING

The plastic fittings on in-tank pump applications can become brittle with age. Take care when disassembling.

3. If the pump has failed due to ingress of dirt / foreign bodies ensure

that the petrol tank is drained and cleaned. Dispose of the old fuel and refill the tank with new clean fuel. Fitting a new pump into old contaminated fuel will likely cause premature failure.

Failure caused by fuel contamination is not covered by Fuel Parts UK warranty.

4. The fuel filter should always be

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renewed when replacing the fuel pump. Whether it is an in-tank foot filter or in-line type. The fuel filter is an often overlooked screen against (most of the) foreign bodies that can occur in fuel tanks and systems. See Fuel Parts UK website, www.fpuk.co.uk, for details on our range of after-market replacement fuel filters.

5. Ensure all connections (electrical and fuel) are in good, corrosion free condition.

Fitting the new petrol pump

Please note that the petrol pump may differ in design to the original equipment pump and its overall size may be smaller. However, it has been designed to meet the original specification and using the parts kit supplied (if applicable) it will fit with minimal modification.

When renewing in-tank pumps the integrity of the electrical connectors and wires must be checked and double-checked. There is no room for error, if there is any uncertainty the complete assembly must be renewed.

1. Refit the pump.
2. Ensure that the petrol pump is connected with the correct polarity; do not assume that the connectors are the same way round as the original as modifications may have taken place. Check the polarity markings on the pump. In general terms the larger of the two connectors on the pump will be the positive.
3. Do not over-tighten screw-type connections (refer to the manufacturer's information for specific tightening torque figures).
4. Renew all sealing washers, gaskets, hose clips and fittings as necessary. Ensure that the petrol pump is securely mounted, using original or new mountings if required.
5. All electrical cables and fuel hoses are to be secured to prevent chaffing or damage.

Testing

1. Check for fuel leaks.
2. Reconnect the battery, ensure that the vehicle is in neutral and car is chocked. Start the engine and monitor the petrol pump for leaks.
3. Turn off the engine and once again check for leaks.
4. Tune or road test the vehicle and finally check the pump for security or leaks.

Trouble-shooting

If the petrol pump fails to operate check;

1. Correct electrical polarity, if the pump is incorrectly connected it may work in reverse or not work at all.
2. The fuse, relay or electrical supply. The electrical system should be checked "under load", that is with the pump connected, this will highlight any connection problems.

The new pump will not remedy problems relating to the fuel filter, fuel pressure regulator, injectors or any other fuel injection component malfunction.

FP3013 Specific instruction

Please check chassis number/application list before fitting this pump. There are operational differences depending upon vehicle application, failure to observe this will result in malfunction that is NOT COVERED BY OUR WARRANTY TERMS.