



# INSTRUCTIONS

## Idle/Stepper

### 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](http://www.smpe.co.uk)

Contact technical sales on

**01527 839307**

[www.smpe.co.uk](http://www.smpe.co.uk)

FuelParts<sup>UK</sup> Intermotor

## Idle/Stepper

### Note

Due to the variety of idle control valves that FPUK sell, this fitting instruction leaflet is intended to be a guide only. Specific information is enclosed with some part numbers, for more information please consult your model specific workshop manual.

### Caution

The idle control valves are often located on the engine in positions that can get very hot. Ensure that the vehicle has cooled down before proceeding with replacement.

### Removal

Disconnect battery

Stepper Motor Type

- Remove the connector, inspect condition
- Remove the Stepper motor fixings
- Remove the stepper motor
- Inspect and thoroughly clean the internal galleries/air passages and mounting faces

Idle Air Valve Type

- Remove the connector
  - Disconnect air pipes
  - Remove the securing fixings
  - Remove the valve
- Inspect and thoroughly clean the internal galleries/air passages.

**PTO**

SMPIDL01/1

### **Fitting**

- Check that the valve is of the correct type
- Install valve
- Attach with original securing fixings, do not over tighten
- Reconnect air pipes
- Reconnect electrical harness connector
- Reconnect battery

### **Caution**

Before starting the vehicle ensure that all parts of the throttle mechanism operate normally and are not restricted.

### **Note**

It may be necessary to reset the EMS ECU to clear any fault codes. It may also be necessary to drive the vehicle above a certain speed to allow the ECU to reset the pintle position and ensure the correct idle.

For more technical advice you can visit our technical support website at [www.fpuk.co.uk](http://www.fpuk.co.uk)

Alternatively call our technical help-line on (01527) 835555.

### **Part number specific instructions**

IAV012, with some Renault applications it may be necessary to unscrew and rotate the connections on the valve, this will not invalidate the warranty

### **VAG Throttle bodies**

When replacing the "drive by wire" throttle bodies on any of the VW Audi Group cars (inc Skoda, Seat, etc) check/replace the

throttle body supply fuse (normally SB24). The original throttle body will probably have failed due to worn internal drive gears; this over loads the fuse, which also feeds EGR, Cam timing valve, intake manifold control and coolant fan (dep on vehicle). If the fuse is not good the replacement throttle body will not work

### **Mechanical Stepper Motor Base Settings**

To reset most mechanical stepper motors this procedure can be used

- 1, Switch on ignition, do not start engine, leave for 10 seconds then turn off
- 2, Switch ignition on and wait for another 10 seconds, then switch off
- 3, Switch ignition on for a third time, wait 10 seconds and turn off
- 4, Start engine and road test vehicle

During the test the idle should settle to the required speed