



# ELECTRONIC VALVE SAVER KIT



## General Installation

This Flashlube Electronic Valve Saver Kit is suitable for LPG/CNG vehicles.

Disconnect the battery / power source / before starting electrical work.

If in doubt about any of the instructions, seek the advice of, or have the unit installed by a qualified technician.

## Installation

Locate a suitable position in the engine bay to attach the lubricant reservoir & the ECU. Must be away from areas of extreme heat.

Ensure the reservoir is mounted no higher than the lubricant inlet port into the engine in order to eliminate the possibility of siphoning.

Remove the lubricant reservoir from the cradle.

Mount the cradle in a vertical position using the two self-tapping screws. Fit ECU to a suitable location within 300mm of bottle & connect large green plug to pump and small one to low level sensor plug.

Connect black wire to Earth.

Connect white wire to switching side of LPG injector. -check both sides of injector with test light, one side of the injector will be switching on & off during engine cranking - connect white wire to this side. Connect red wire to suitable ignition source, so power is supplied only when ignition on.

Install Low Level warning LED on dash, drill 7mm diameter hole in suitable location, insert LED into dash, place Flashlube sticker on the clean dry surface over front of LED. Feed connecting wires back through the firewall, trim to length & connect to corresponding LED wires from loom.

## Carburetor Engines

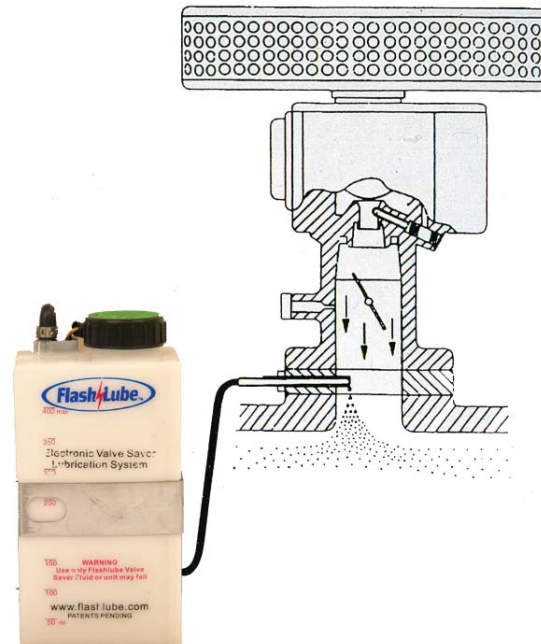
For the best performance the inlet port for the Flashlube system should be located below the butterfly valve of the carburetor as shown in the diagram (below)

Then drill a 3.6mm hole into either the spacer block beneath the carburetor, or directly into the inlet manifold. Screw the self tapping connector into the hole.

Please note:

We recommend that a suitable sealant be applied to the threaded connector to eliminate the possibility of a vacuum leak.

Connect the fluid feeder hose from the bottle to the connector.



● Flashlube Valve Saver System - Carburetor Engine

## Fuel Injected Engines

For maximum performance the inlet port for the Flashlube system should be between the butterfly valve and inlet manifold. 50mm to 100mm away from the butterfly valve towards the inlet manifold should provide good mixing with the air / fuel stream.

Drill and insert the supplied 3.6mm self tapping connector, as described for carburetor engines.



● Flashlube Valve Saver System - Fuel Injected Engine

## Please Note

This unit contains a very fine micronite lubricant filter for maintenance free operation. Due to the purity of the Valve Saver Fluid, other brands of lubricants will be unsuitable in this unit. They may not mix or vaporize properly in the air/fuel stream and will block the micronite filter.

Using products other than Flashlube in the kit may lead to engine damage, and will void the warranty.

## Warranty

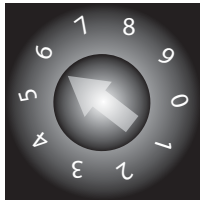
Flashlube warrants that the Flashlube lubrication kit will be free from defects in material & workmanship for a period of three (3) years. The warranty is void if you use any other product(s) than Flashlube Valve Saver Fluid. Flashlube does not assume liability for installation, labour or consequential damages.

## Setting the treat rate

Fill the Flashlube reservoir with 400ml of Valve Saver Fluid (do not overfill) and replace the filler cap.

The dose rates are pre-set based on vehicle engine capacity.

Set the dial on the ECU to:



Dial	Horse Power	Kilowatt
1	50	38
2	100	77
3	150	115
4	200	154
5	250	192
6	300	231
7	350	269
8	400	308
9	450	346

Concentrate on getting a minimum ratio of 1 millilitre of Valve Saver Fluid per 1 litre of fuel. The easiest way to do this is each time you top up your fuel tank, take note of how many litres you have put in. Then check the Valve Saver Fluid reservoir to see how many millilitres of fluid has been used.

The figure should be the same, i.e. if you put in 50 litres of fuel, you should have used 50 ml of Valve Saver Fluid. If not using correct ratio, adjust ECU dial up (for more fluid) or down (for less fluid) one point accordingly.

## Component Checklist

- 1 x Lubricant reservoir assembly
- 1 x ECU & wiring loom
- 1 x LED with wires
- 1 x Installation kit - (screws, ties etc)
- 1 x Instruction DVD & brochure pack
- 1 x 500ml bottle Flashlube Valve Saver Fluid

## Having Problems?

Consult the manual or a qualified technician for advice on the installation.

Flashlube Valve Saver Fluid refill packs are available in 50ml, 250ml, 500ml, 1 litre, 2.5 litre, 5 litre & 20 litre sizes.



OTHER PRODUCTS IN THE FLASHLUBE RANGE:

- Injector Cleaner
- Diesel Conditioner
- Oil Stabiliser
- Multi Purpose Grease
- High Temperature Grease
- Car & Truck Wash

Flashlube is recognised as a world leader in its field, sold in more than 30 countries around the world. Our unique formulations ensure Flashlube leads the way in the fuel additives market.



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*Feel the difference!*

**ELECTRONIC**  
VALVE SAVER KIT

INSTALLATION  
INSTRUCTIONS



ONLY ONE THING IS NOT (YET) CORRECTLY MENTIONED IN THE ENCLOSED INSTALLATION MANUAL:

- "Connect red wire to suitable ignition source, so power is supplied only when ignition on" should be correctly read as follows: "Connect red wire to the + of the lpg shut-off valve, so power is supplied only when ignition on"