

Instruction Manual

EX514 INJECTOR EMULATOR



GENERAL WARNING



Install in an upright position far from any possible infiltration of water.



Install far from any sources of excessive heat (eg. exhaust manifold).



Install far from the ignition coil and pass the wiring far from the high voltage cables.



Make good electrical connections without using a "current tap." Bear in mind that the best connection is duly insulated welding.



Never open the emulator box for any reason whatsoever, especially with the engine running or the panel switched on.

PLEASE NOTE



When running on GAS the emulator blocks and simulates the injectors, while the electric petrol pump stays in operation. It is therefore important there is always petrol in the petrol tank to prevent the pump overheating and getting irreparably damaged.

TECHNICAL SPECIFICATIONS

The "EX514" injector Cut-Out Emulator cuts out and simulates the operation of the injectors when the vehicle is running on GAS, there by preventing the

Check-Engine indicator light from coming on and possible malfunctioning due to the injection control unit memorizing the injector shutdown.

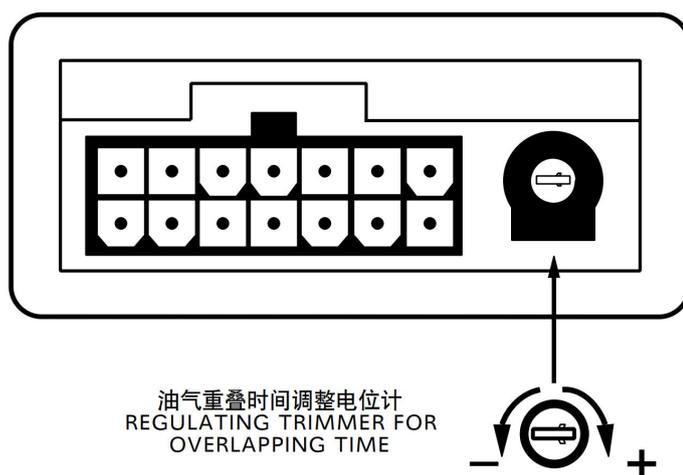
It is no longer necessary to check the polarity of the injectors because it cuts out and emulates each injector singly.

In the event of the GAS electrical system failing, the Emulator automatically restores the original injector connection.

OVERLAPPING TIME ADJUSTMENT

When switching over from PETROL to GAS the Emulator does not shut down injector operation immediately; this is in order to give the GAS time to get out of the reduction gear and reach the intake, avoiding gaps in supply with consequent backfiring. In this way, for a few seconds during switch over there will be an overlap of the two fuels (GASOLINE and GAS) for a time that can be adjusted by means of the trimmer at the bottom of the Emulator.

The trimmer is calibrated in the testing phase so as to have an optimum overlap time for most motor vehicles. If the trimmer is turned anticlockwise to the left, the overlap time decreases, turning it to the right increases the overlap time.



CONNECTION DIAGRAM

EX514 四缸油嘴仿真器接线图

EX514/EX514-6 EMULATOR CONNECTION DIAGRAM

