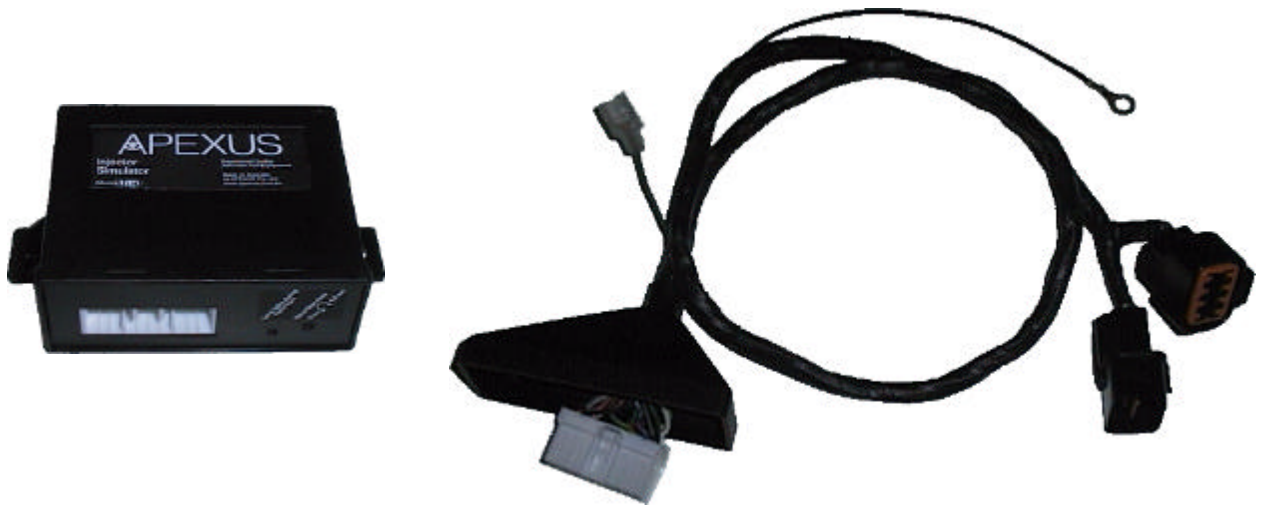


IS100 Series Injector Simulators with Petrol Start



Selection Guide

Model Number	Suits Vehicles
IS100	Mitsubishi V6 Magna TE/TH & Verada KE
IS101	Mitsubishi V6 Magna TF & Verada KF
IS102	Mitsubishi V6 Pajero (1996 onward), Triton (1997 onward), Challenger
IS103	Mitsubishi Walk-Thru Van (prior to 1998)
IS104	Mitsubishi V6 Pajero NJ
IS105	Mitsubishi Walk-Thru Van (1998 onward)
IS106	Holden Rodeo/Jackaroo (1998 onward)
IS108	Mitsubishi Express SJ

Reasons for installing an IS100 series Injector Simulator

- Shuts down the petrol injectors when operating on LPG without giving the vehicle computer an injector fault signal. This means that the vehicle computer continues to carry out its normal functions unaware that the engine is using an alternate fuel.
- A built in adjustable timer allows the installer to set the amount of time the vehicle runs on petrol during starting.
- IS100 series injector simulators are very easily fitted, simply undo a plug in the petrol injector harness and plug into the two mating halves incorporated in the IS100 series injector simulator harness. Using TEK screws provided, fix the electronics container at a convenient location and connect the eyelet wire to earth. Connect one wire using the 6.3mm terminal provided to the LPG changeover switch.
- All IS100 series injector simulators are fully tested and are manufactured to the same standard of quality as original vehicle equipment.
- Saves time and money during installation.
- Customer satisfaction.

IS100 series Injector Simulator features

- Simulates injector pulse to the vehicle computer.
- Petrol start (0 - 1.5 second adjustable petrol on time).
- Simple installation (Complete kit).
- Weather proof.
- OEM appearance (original equipment plugs and loom).

- Apexus lifetime warranty.
- Complete fitting instructions.
- Electronically tested loom and connectors.
- Controls the engine management fault lamp.
- Time savings during installation.
- No cutting of any wires in the existing vehicle electrical harness.
- High quality circuit and construction.
- Tested for more than 1 million start cycles (10 years driving at 300 starts per day).

Installation Instructions

1. Contents of packaging:
 - Injector simulator box attached to harness.
 - TEK screws.
 - Cable ties.
 - Terminal.
 - Installation instructions.
2. Mounting:
 - Mount the Injector Simulator box with the label upright at a convenient location using two of the TEK screws provided. The eyelet on the black wire should be earthed to the vehicle chassis with the third TEK screw provided. Leave the cover boot off with the harness plugged into the box and connect the two plugs at the end of the harness to the two ends made by disconnecting the injector harness in the engine compartment. Tie the Injector Simulator harness neatly into position using the cable ties provided. The single green wire with a 6.3mm female terminal is connected to the LPG side of the Petrol/LPG changeover switch.
3. Setting Petrol Start Time:
 - In order to provide instant start and to keep a small amount of petrol flowing through the petrol injectors for lubrication, it is often considered good practice to run the vehicle's engine for a few seconds at start up with petrol from the injectors. This also gives the LPG system time to flow gas into the manifold, hence providing instant start over a wide range of conditions. Using the injector simulator's petrol start feature the time for petrol injection may be set from 0 to 1.5 seconds by adjusting the small trimmer located near the connector on the simulator box. Maximum anticlockwise adjustment is for zero seconds (no petrol start), while maximum clockwise sets approximately 1.5 seconds. The time for petrol operation may be observed by watching the small LED indicator near the trimmer adjustment. With the gas system completely operational, start the vehicle a few times until the best position for the trimmer adjustment is determined. Fit the cover boot to the injector simulator box being careful to make sure the lip is correctly seated.
4. Final Checks:
 - Check wiring for security and rubbing.
 - Check the cover boot is fitted to the injector simulator box.
 - Check mounting
 - Determine that the vehicle's engine fault light does not come on during normal operation.
5. Warranty:
 - All Apexus IS100 Series Injector Simulators are warranted against faults in manufacture or components for the life of the vehicle to which the equipment was originally fitted. Upon receipt of a faulty Injector Simulator, Apexus Pty Ltd will repair or replace the device at no charge to the owner. All freight charges for shipping faulty devices to or from Apexus Pty Ltd will remain the responsibility of the owner. As Apexus Pty Ltd has no control over the installation, the warranty does not extend to consequential or subsequent damage.