



PLATINUM SERIES
Haltech Device Emulator 8
(HT020602)
QUICK START GUIDE



LIMITED WARRANTY

Lockin Pty Ltd trading as Haltech warrants the Haltech™ Programmable Fuel Injection System to be free from defects in material or workmanship for a period of **12 months** from the date of purchase.

Proof of purchase, in the form of a bill of sale or receipted invoice, which indicates that the product is within the warranty period, must be presented to obtain warranty service. Lockin Pty Ltd trading as Haltech suggests that the purchaser retain the dealer's dated bill of sale as evidence of the date of retail purchase.

If the Haltech™ Programmable Fuel Injection System is found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of purchase. This shall constitute the sole liability of Lockin Pty Ltd trading as Haltech.

To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations, either expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Lockin Pty Ltd trading as Haltech, be liable for special or consequential damages.

DISCLAIMER

Haltech will not be held responsible for any damage caused by the incorrect installation or tuning of this product. It is the installers responsibility to ensure the wiring connections and pinouts match that of the vehicle the unit is being installed into.

Haltech has taken all care to make sure the connections match the specified vehicles listed, but variations in wiring and connections on vehicles can occur and therefore this should be checked BEFORE the unit is installed.

Haltech highly recommends installation and tuning of this product is to be carried out by a professional, with an understanding on installing and tuning engine management systems. Misuse of this product can destroy your engine.

WARNING – HALTECH OFF-ROAD USAGE POLICY

It is unlawful to tamper with your vehicle's emissions equipment.

This ECU is designed and sold for Sanctioned Offroad/Competition Non-Emissions Controlled Vehicles only. Using this product for street / road use on public highways is prohibited by law. It is the responsibility of the installer and/or user of this product to ensure compliance with all applicable local and federal laws and regulations. Please check with your local vehicle authority before using this product.

GENERAL INSTALLATION WARNING

Avoid open sparks, flames or operation of electrical devices near flammable substances. Always disconnect the battery cables when doing electrical work on your vehicle.

Do not charge the battery with a 24 Volt truck charger or reverse the polarity of the battery or any charging unit. Do not charge the battery with the engine running as this could expose the ECU to an unregulated power supply that could destroy the ECU and other electrical equipment.

All fuel system components and wiring should be mounted away from heat sources, shielded if necessary and well ventilated. Disconnect the Haltech ECU from the electrical system whenever doing any arc welding on the vehicle by unplugging the wiring harness connector from the ECU.

After completing the installation, make sure that there are no fuel leaks, and no wiring left un-insulated in case a spark or short-circuit occurs and causes a fire. Also make sure that you follow all proper workshop safety procedures. If you're working underneath a jacked-up car, always use safety stands!

Haltech Device Emulator 8

Quick Start Guide

Congratulations on purchasing a Haltech Device Emulator 8.

This *Plug and Play* product allows you to install a Haltech Engine Management system into your vehicle to control the fuel and ignition settings of the engine whilst retaining the factory ECU to control functions like Electronic Throttle.

This quick start guide will walk you through installation of the Haltech Signal Emulator into a vehicle. This guide is accompanied by the full service manual located on the software CD provided with the ECU that you or your tuner will need to refer to before completing your installation and configuration. The Manual can also be downloaded from the Haltech website www.haltech.com

Included with Haltech Signal Emulator (HT020602)

- Haltech Device Emulator 8
- Quick start guide

Optional Accessories (Sold Separately)

- Plug and Pin Set - # HT030007
- 1M Flying Loom - # HT040004

Overview

The Haltech Device Emulator 8 was designed for use in “piggy back” style applications where the OEM ECU remains in the vehicle to control certain functions (e.g. automatic transmission, electronic throttle etc).

The Haltech Device Emulator 8 provides the OEM ECU with emulated signals to stop fault codes when the Haltech is controlling functions of ignition, fuel and boost by providing a dummy load back to the OEM ECU.

Installation

Installing the Haltech Device Emulator 8 is quick and simple

Instructions are based on using the optional harness # HT040004

1. Check what the error code is on the vehicle
2. Connect the Red wire to a switched +12V Ignition source within the vehicle
3. Connect the Black wire to a ground
4. Connect the output of the OEM ECU which was connected to an inductive load (e.g. Injectors or boost solenoid) to the blue wires labeled “Injector Outputs”
5. Connect the output of the OEM ECU which was connected to a pulled down load (e.g. Ignition outputs) to the yellow wires labeled “Ignition Outputs”
6. Connect the output of the OEM ECU which was connected to any pulled up load to +12V to the violet wires labeled “Factory Outputs”
7. Isolate and tape up all spare unused connections
8. Start vehicle and check if codes are gone.

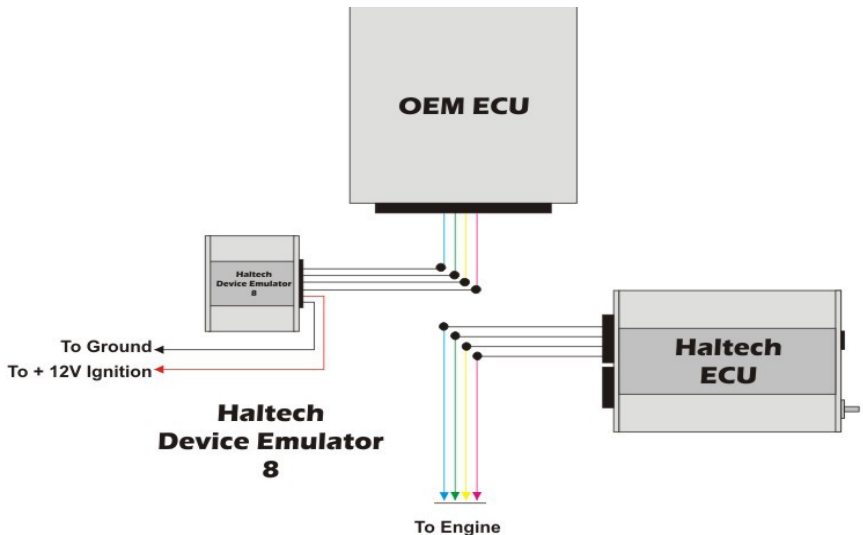
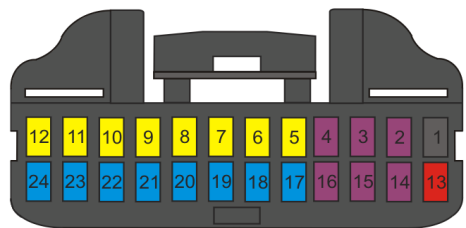


Figure 1- Haltech Device Emulator 8 wiring block diagram

Wiring



CONNECTOR (24 PIN)
REAR VIEW (WIRE SIDE)

Pin #	Description
1	Ground
2-4	Pull Up to +12V
5 -12	Pull Down to +12V
13	Switched +12V Input
14 -16	Pull Up to +12V
17 -24	Inductive Pull Up to +12V

Figure 2 - Haltech Device Emulator 8 Harness connector pinout

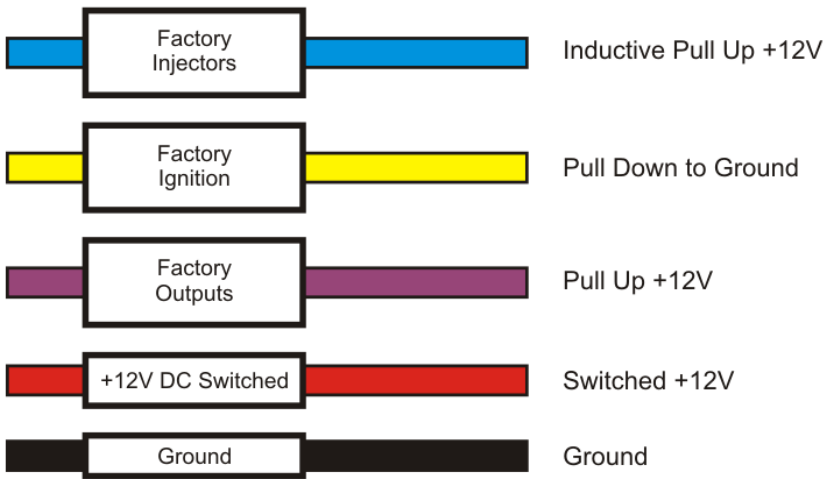


Figure 3 - Haltech Device Emulator 8 optional wiring harness #HT040004

Haltech™

ENGINE MANAGEMENT SYSTEMS



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