

FCD Fuel Cut Defender GIZMO ELECTRONICS

Thank you for purchasing the Gizmo FCD Fuel Cut Defender. This manual contains operating instructions and installation procedures that are needed for the fitting and operation of this product.



取扱説明書 Instruction Manual

GIZMO
ELECTRONICS

www.gizmoelectronics.com

Gizzmo Electronics Ltd Warranties Statement

Gizzmo Electronics Limited
Limited Warranties Statement
Effective 1 January 2003

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Gizzmo FCD Fuel Cut Defender Controller

Warnings:

- Incorrect installation can harm or damage the product.
- Gizzmo Electronics will not warranty any item that has been damaged due to incorrect installation, or misuse of product.
- Never disassemble, modify, or tamper with unit. Failure may cause injury or fire, and void warranty.

Fuel Cut Defender

The Gizzmo FCD allows a vehicle to run a higher boost level without the vehicles ECU cutting the fuel supply at the factory specific boost level (eg. Fuel/boost cut).

The Gizzmo FCD totally isolates the load signal (map, mass or afm) from the ECU. This allows the FCD to become the active supplier of the ECU' s load signal, and with the ECU blind to the increased boost the fuel/boost cut is removed allowing boost to be set without the factory ECU' s boost restriction

GIZZMO FCD Installation / Operation Guide

The Gizzmo FCD blinds the computer to the true boost being produced by the engine. Consideration needs to be made that the computer will only be controlling the fuel to the boost level the computer registers. Over this level steps need be taken to supply the additional fuel required to run extra boost.

GIZZMO FCD Colour Codes

RED - 12v Positive
GREY - Earth negative
WHITE - Load signal from map or mass flow sensor
ORANGE - FCD controlled signal to computer pin
input for map or mass airflow sensor

GIZZMO FCD Installation Instructions

The FCD is installed in series with the load signal wire.

Locate the load signal wire for computer.

Cut load signal wire.

Connect signal wire from map or mass airflow sensor to the white wire on Gizzmo FCD.

Connect orange wire from Gizzmo FCD into load signal wire into computer

Connect red wire from FCD to 12V positive.

Connect grey wire from Gizzmo FCD to earth negative.

Gizzmo FCD Operation Instructions

Gizzmo FCD Voltage settings

Mazda RX - 7 Series 6	-	3.80 Volts
Mazda RX - 7 Series 4/5	-	3.30 Volts
Toyota	-	3.80 Volts
Honda	-	2.95 Volts

NOTE: To set the unit to the required voltage you will need a multi-meter and a small flat blade screwdriver.

GIZZMO FCD setup and adjustment procedure

Ensure FCD wiring is complete

Switch the vehicles ignition on

Probe the FCD earth wire (grey) with the negative multi-meter probe

Place the positive multi-meter probe onto the FCD voltage reference pad, labeled "Reference". The clamping voltage will now be shown on the multi-meter. With the multi-meter displaying the clamping voltage, take a small flat blade screwdriver and turn the trim pot, labeled adjust till the voltage reads the correct setting for your vehicle.

Test-drive the car, check the "Clamped" LED illuminates when the clamping voltage is reached. This signals the FCD is operating.

NOTE: If the vehicle still experiences a fuel cut lower the clamping voltage till the cut is removed.