



**TURBOSMART**®

Suppliers of Smart Turbo Accessories

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## *Fuel Cut Defender-Type 2*

Fitting Instructions for P/N: FG-FCD-002

Supplied with: pre-wired plug

### Description:

This product raises the factory fuel cut-out. Ideally used when turning up the boost with factory turbo charged cars. This works in conjunction with Turbosmart's boost controllers.

### Application:

Suits the following vehicles:

- Daihatsu Charade Turbo
- Mitsubishi Starion, Cordia
- Mazda Rx7 IV, V, VI Turbo
- Nissan Exa, 200SX & Skyline R32-33
- Subaru WRX, GT Forester , RS Liberty
- Toyota Celica GT4 (not suitable for Supra's)

Please stay in touch for info on new products we will have available in the not too distant future.

The best place to catch us is on the Internet at:

[www.turbosmart.com.au](http://www.turbosmart.com.au)

Please feel free to contact us at:

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For more information please visit our web-site at

<http://www.turbosmart.com.au>

## Installation Instructions:

The Turbosmart Fuel Cut Defender (FCD) is designed to allow a turbocharged engine to be run at higher than standard boost pressures. This is achieved by removing the standard boost cut point.

Firstly locate the Boost Pressure Sensor (or Air-Flow Meter depending on the vehicle), the boost sensor has a vacuum hose running to it. You will notice several wires coming out of its electrical connector - these run back to the computer. Only one of the wires, the signal wire is required, locate this wire inside the vehicle on the wiring loom. (test by revving the engine and with a multimeter look for the wire with a varying voltage. Colour of wire will vary depending on manufacturer.)

### Connections:

There are 4 wires coming from the FCD -

- Red wire to power (+12v)
- Black wire to ground (0v).
- Nearly cut the signal wire from the Boost Sensor about 2cm from the computer, and connect the Yellow wire from the FCD to the side of the wire coming from the Boost Sensor. From there, connect the White wire coming from the FCD to the portion of the wire going back to the computer.

The colour of the signal wire will vary depending on the make and model of the vehicle. Listed below is an indication of some common applications:

**Subaru**- Signal wire is Yellow/Black (sensor is mounted on right strut tower)

**Mitsubishi**- Signal wire is Yellow (sensor is mounted at front of vehicle)

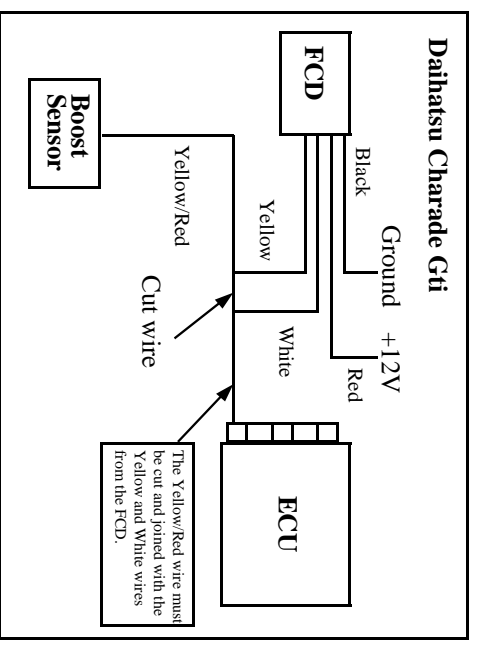
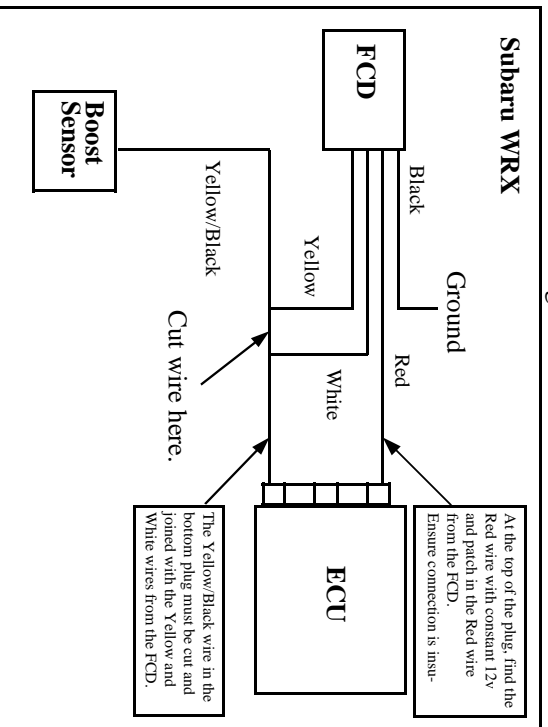
**Toyota**- Signal wire is Red/Green

**Mazda**- Signal wire is Red/Green or Red/Black. (use air-flow meter)

**Mazda Rx7-** Boost pressure sensor is used.

**Nissan**- On 200sx signal wire is White (use air-flow meter)

**Daihatsu GTi Charade-** Signal wire is Yellow/Red



## Adjusting the Fuel Cut Defender

The unit is set at the factory and should only be adjusted after test driving the car. If your vehicle still hits the fuel cut then (with a flat bladed screw driver) turn the unit anti-clockwise.

Only adjust the unit a little bit at a time until you eventually get it right.

