

FUEL CUT DEFENDER TYPE I (FCD-001) INSTRUCTIONS

IMPORTANT NOTES ON YOUR FCD

- Turbosmart recommends that your FCD is fitted by an appropriately qualified technician
- Consult your local specialist before setting your desired boost pressure and FCD boost level
- Setting boost beyond your engines capability may result in engine damage
- Turbosmart recommends that the engines Air/Fuel ratio is checked once the FCD and desired boost pressure is set, as any increase in boost pressure or incorrect setting of the FCD can cause the engine to run "LEAN", resulting in possible engine damage
- To safeguard against "pinging" or detonation, always use the highest octane fuel available
- Please check www.turbosmart.com.au for the latest updates and information on fitting your Turbosmart FCD

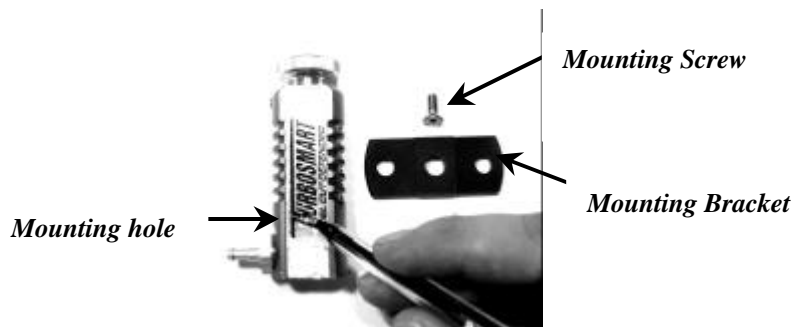
FITTING YOUR FCD

- Locate the vehicles MAP (Manifold Absolute Pressure) Sensor, it is connected to the engines wiring harness by three wires, and has one pressure hose joining it to the inlet manifold (fig. 1)
- If you are unsure of the location of the MAP sensor please refer to the specific factory workshop/repair manual for your model of vehicle
- Install the FCD T-piece in the pressure hose using the short silicon extension hose supplied or by cutting the pressure hose in a suitable location (fig. 3)
- Ensure all hoses are not cracked, blocked, kinked or restricted and all connections are secured with hose clamps
- Mount the FCD with the supplied bracket in a suitable position to allow access for adjustment and be adequately shielded from heat, i.e. positioned at least 100mm or 4" from the turbine housing or the exhaust manifold
- Choose the appropriate side of the FCD to fit the mounting bracket and expose the mounting hole under the silver sticker with a pointy object, eg ball point pen, and attach the mounting bracket with the screw supplied. (fig. 2)

Figure 1 MAP Sensor (Subaru WRX)



Figure 2 Mounting Bracket Details



- Turbosmart recommends that your FCD is adjusted by an appropriately qualified technician
- hat FCD is set using a Dynamometer and not on the street
- Before making any adjustment the **Boost Dial**

Boost Dial

- Turn the dial clockwise to increase the fuel cut level and anti clockwise to decrease the fuel cut level
- Turbosmart recommends that the fuel cut limit is set 2-3 PSI (0.14 - 0.21 BAR) above the desired engine boost pressure
- If you wish to lock the setting of your FCD to avoid further adjustment, use a 2mm grub screw to lock the FCD until the adjustment knob is locked (fig. 4)

Figure 3 FCD Installation

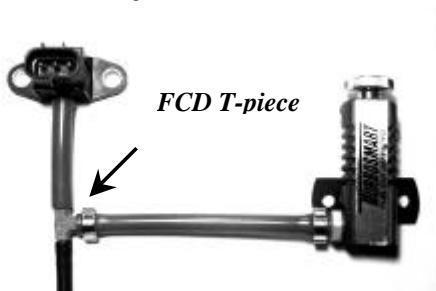
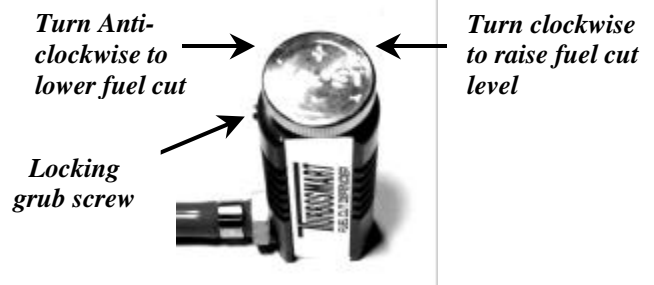


Figure 4 FCD Adjustment



TROUBLE SHOOTING

If experiencing difficulties the following checks will cure 99% of problems experienced when fitting a Turbosmart FCD

- Check that the FCD is installed on the correct engine sensor. (MAP sensor) (fig. 1)
- Check the joining hoses for splits, cracks or loose connection
- Check that the joining hoses are not blocked or kinked or restricted
- Check to see if the FCD is blocked or contaminated with dirt, oil build up or debris

Warranty

Turbosmart warrants its products to be free from faults or defects for the life of the product. *

* Subject to Turbosmart trading terms and conditions

Warning!

Incorrect use of this product may result in damage to your vehicle. Failure to observe any notes or recommendations may result in incorrect use of this product. This product is intended for use in off-road racing only. Turbosmart will accept no responsibility for the incorrect use of this product.

Disclaimer!

Turbosmart will not be held responsible for any damage caused to property or person, directly or indirectly related to the use of a FCD.