

Multi Throttle (MT) kit Installation Instructions

SBD Fuel Injection Setting Up Instructions

1. Assemble throttle bodies & manifold to head
2. Connect wiring loom
3. Set fuel pressure by turning ignition on so fuel pump runs (you may have to turn ign. on & off a few times as ECU cuts pump off after 3 seconds). Set pressure on regulator by removing domed nut on top & adjusting screw to required pressure.
4. Note—do not fit filter or airbox yet
5. Connection of interface connectors
 - (i) wiring loom interface connector (3 or 4 pin sure seal)

Pin 1 (purple or black)	ignition controlled +12 volts
Pin 2 (orange or blue/red)	+12 volts out to fuel pump or output for gear change light
Pin 3 (green)	taco signal
Pin 4 (White/Blue)	Gear change lamp

6. Wiring of throttle pot socket

Pin 1	(green) male pin
Pin 2	(yellow) female socket
Pin 3	(red) female socket

7. Bolt throttle pot onto side of bodies (Normally on back end of engine) so patterns match & check for full throttle. If full throttle is not possible the pot is on backwards.
8. Visually align butterflies – adjust by using small grub screw in-between bodies.
9. Unwind throttle-adjusting screw so butterflies are fully closed.

Initial setting for throttle potentiometer

Switch on your ignition only.

Do not attempt to start your engine yet!

Tighten throttle potentiometer clamping screws sufficiently so you are still just about able to move the potentiometer with your fingers.

Using a voltmeter probe the back of the throttle pot. sureseal on the Red wire (Pin 3) and a good earth.

Set voltage to 0.25v, by twisting potentiometer (*****This is an initial setting & you must not go back to this reading again. *****). Leave the voltmeter connected, as you will need this later.

Screw the throttle stop screw clockwise on throttle no. 3 until you reach 0.30v on your voltmeter.

Starting engine for the first time

When idle voltage & fuel pressure have been set, you can attempt to start the engine. You may have to hold the throttle to keep engine running.

To get the engine to run on its own you can screw the throttle stop clockwise slightly (Ensuring you do not go above the 0.37v & don't go more than approx 2 units higher or 1 unit lower than the idle Kg/Ph setting for your kit) until engine runs on its own, even if it's not smoothly.

Using a vacuum gauge, balance butterflies using grub screw & air bleed screws, which are located on top of the throttle bodies (**See separate balancing instructions**)

Adjust revs to required rpm whilst checking throttle pot is still 0.37v



SBD Motorsport Ltd
Unit 15, Red Lion Business Park, Red Lion Road, Surbiton, Surrey. KT6 7QD
Tel: 0208 391 0121
Email: sbdmotorsport@btconnect.com
Website: www.sbdev.co.uk