

## **SBD 2.0L XE/LN Group N D/Less** **Fuel Injection Instructions for MBE9A4**

**Please read these instructions in full before attempting to fit your new system.**

**Notes:**

Unleaded fuel (97/99Ron) must be used, otherwise **damage** MAY occur.

The throttle housing must be fitted with a 3-pin throttle potentiometer, Part Number 0280 122 001, no other type is suitable.

A digital voltmeter will be required for the set up.

The injectors fitted as standard are Bosch part Number. 0280 150 427 (Blue in colour) and a 3.0 BAR fuel regulator fitted.

Remove SFI box from under bonnet.

Remove old ECU, Engine wiring harness & Amp. Fit new MBE9A4 ECU, wiring harness and TPS adaptor (See separate Data sheet).

The 3 pin throttle potentiometer needs checking to make sure it is giving the correct voltage to the ECU when the throttle butterfly is in the closed position with your digital volt meter connected to the ground and signal wire (and the ignition turned on but with the engine not running) you should get a reading of 0.59V. If the reading differs from this you will need to adjust the potentiometer. Unfortunately there is only a small amount of adjustment possible due to the fact that the 2 holes on the mounting brackets that fix it to the throttle housing are not slotted. If you cannot get sufficient adjustment you will need to remove the potentiometer and carefully slot the hole until you have enough movement to achieve 0.59V. Once the reading is correct lock the throttle pot in this position.

Remove old idle control valve & replace with modified one.

**Re-fit SFI box**

Start engine, which may not idle correctly yet, and let engine warm up to normal operating temperature. When engine is at correct temperature, adjust engine revs to. 980 rpm. This is achieved by adjusting modified idle control valve/ Replacement- **DO NOT TOUCH THE BUTTERFLY SCREW UNDER ANY CIRCUMSTANCES. TAKE CARE, AS ENGINE WILL BE HOT.**

Please note that this kit is based on a racing management system. It does not have an automatic idle control valve; your engine may not idle immediately from cold. For the first couple of minutes you may have to use the throttle pedal to maintain an idle but you may drive your car as normal from start up.



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