

Injectronics

Remanufactured Automotive Electronics Components

TECHNICAL BULLETIN

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Make: Mazda / Ford

Model: B2600 / Courier

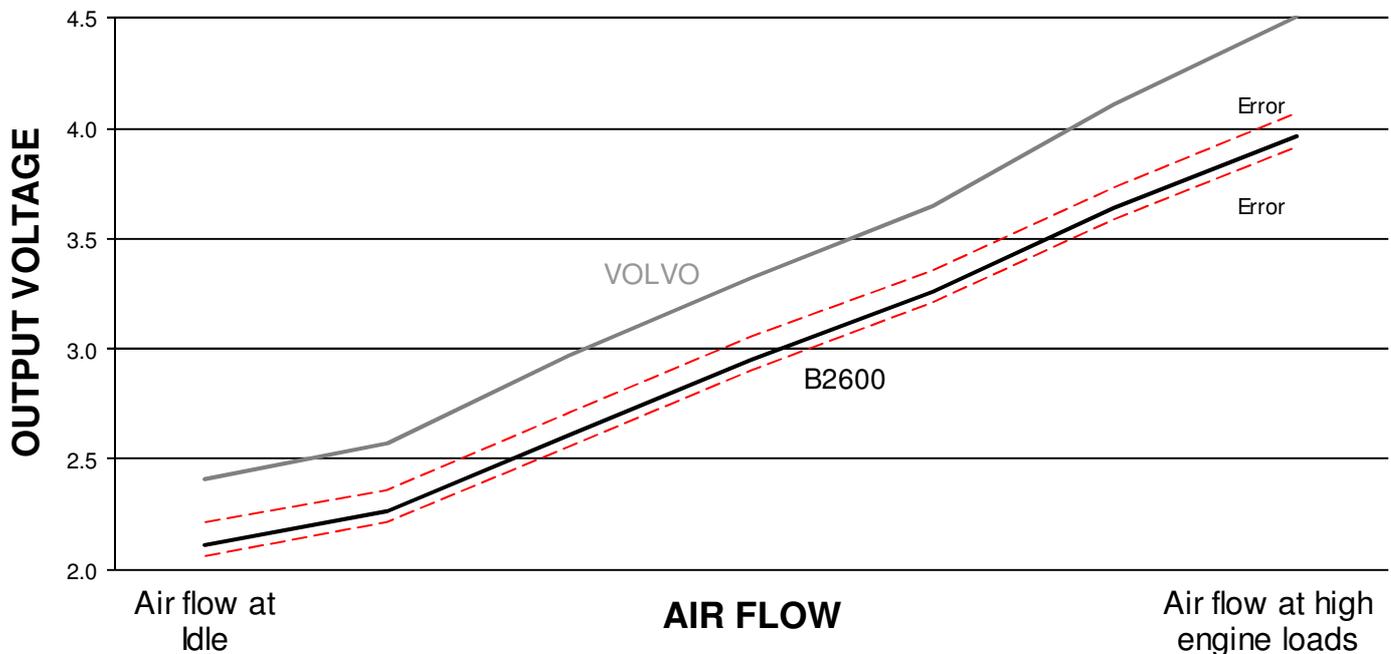
Subject: Fitting incorrect air mass meter

Injectronics has received many calls from customers with Mazda B2600 Air Mass Meters that have failed and have been replaced with an Air Mass Meter from a Volvo. While the Volvo unit will physically fit and has the same pin out as the Mazda B2600 the voltage outputs of the 2 units are different and unique to their respective cars.

The 2 units have the same static voltage 1.4v with ignition on engine not running, but as can be seen in the graph below the two units have different starting voltages at idle and then across the whole range to high RPM. The B2600 Air Mass Meter has a lower output voltage, so if the Volvo Air Mass Meter is fitted it will tend to make the vehicle run rich across the whole range. The slight voltage difference can have a great effect on fuel economy and ignition timing.

Please note that an automotive technician who fits an incorrect air mass meter to any vehicle is held responsible for breaches in the vehicle emissions and can receive extensive fines from the EPA. Injectronics can supply fully reconditioned Air Mass Meters to suit the Mazda B2600 / Ford Courier.

B2600 vs VOLVO AIR MASS METER OUTPUT



The red lines indicate the error in a DUT (Device Under Test) allowed by Injectronics as a good unit.

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