

# *Injectronics*

## **TECHNICAL BULLETIN**

### **FORD – FALCON -EF**

#T0077

**Make: Ford**

**Model: Falcon EF**

**Subject: Common PCM complaints**

At Injectronics we receive many calls about EF Falcon PCM faults, the most common one being loss of idle control, testing for this complaint was discussed in technical bulletin number 37, but there are 3 other common faults with these PCM's which will be discussed below.

Engine Cooling Fans staying on all the time is a complaint that we often hear, the fault code displayed will normally be (636) A/T oil temperature sensor fault, when the PCM sees this fault the fans will be switched on as a default for fail safe purposes as the PCM does not know what the temperature is in the transmission.

This fault can occur due to one of three reasons, either the sensor is faulty in the transmission or possibly the wiring is damaged or has been crushed from the transmission to the PCM or a fault has occurred in the PCM. An inspection of the wiring harness from the transmission to the PCM and checking resistance on the transmission temperature sensor will eliminate those as causes of the fault.

Another common complaint we hear is loss of injection on one cylinder. This generally occurs due to a PCM injector component/circuitry fault and as each injector is driven individually only one injector is lost. Before fitting a changeover unit the injector and wiring in question should be checked and inspected.

The last common complaint that we receive calls about is no ignition on 2 cylinders, as the EF falcon went to a coil pack arrangement there are three coil driver circuits inside the PCM and it is not uncommon for one of these to fail and create a situation of no spark on 2 cylinders, a changeover PCM will fix this problem, again inspect wiring and coil pack before fitting unit.