

Injectronics

TECHNICAL BULLETIN

FORD – FALCON – EL / XK

#T0116

Make: Ford

Model: Falcon EL / XH 4.0L

Subject: Incorrect ignition timing procedures

TEST: Injectronics receives numerous phone calls relating to how poorly the vehicle operates after setting the ignition timing or removing & refitting the distributor.

The fact is the ignition timing has been set incorrectly.

The ignition timing procedure is;

1. The engine must be at the normal operating temperature,
2. A/C must be OFF,
3. Connect a timing light to number one cylinder,
4. With the ignition switch in the off position, bridge the STI & GND terminals in the data link connector (right hand lower dash panel),
5. Start the engine; the Engine Running self-test will cause a momentary rise in engine speed, to 1300-1600 rpm shortly after start-up, this is an indication that the ERST has been initiated.
1. THIS IS WHERE THE PREVIOUS MODELS DIFFER
6. Wait at least 2 minutes whilst the PCM goes through its ENGINE RUNNING SELF TEST MODE.

After this point the base ignition timing can be checked & set according to the manufactures specifications within 2 minutes. The ignition timing will revert back to PCM control after approximately 2 minutes from the completion of the ERST.

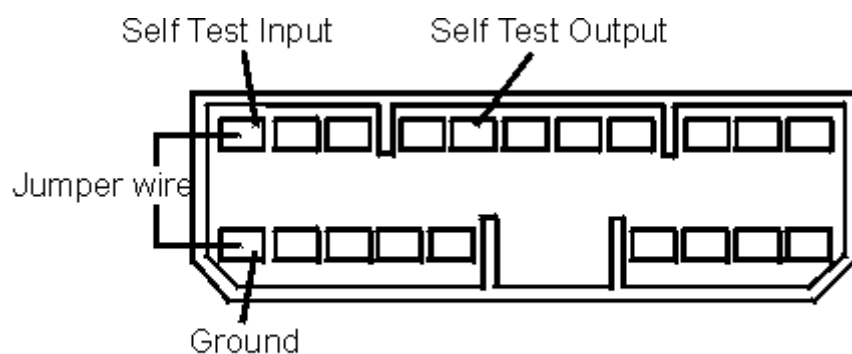


Diagram 1. Data Link Connector