

FORD – FALCON – EF

#T0114

Make: Ford

Model: Falcon EF 4.0L

Subject: Hard to start

TEST: Inspect the crank angle sensor inductive pattern on an oscilloscope at PCM pins 21 and 22.

FAULT: The starter motor armature commutator is dirty causing inductive noise to be induced into the crank angle sensor wiring. This results in the loss of the missing tooth signal (number 1 TDC best seen on an oscilloscope) generated by crank angle sensor.

Remove the starter motor & re-cut the starter motor commutator.

Note: Manual transmission vehicles can be roll started.

injectronics.com.au

This information has been offered with the intent to provide a resource of reliable information; however no warranty (express or implied) is made as to the accuracy or completeness. No liability is assumed by Injectronics for damage or loss resulting from reliance on this information or process.