

# Injectronics

Remanufactured Automotive Electronics Components

## TECHNICAL BULLETIN

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**Make: Holden**

**Model: Commodore VL 3.0L**

**Subject: Engine is hard to start cold**

TEST: Check there is approximately 10 volts at pin 9 (start signal input) during cranking.

FAULT: There is a resistor located in the wiring harness between the starter motor solenoid & ECM.

The ECM uses the starter motor signal for start enrichment purposes. Without this input, injection on time is reduced by approximately 5-6 milliseconds.

**T0106.doc**

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