

# Injectronics

Remanufactured Automotive Electronics Components

## TECHNICAL BULLETIN

**Document number: T0080**

*For further technical information regarding testing, repairs or to search for New or Remanufactured Automotive electronic products, please visit [www.injectronics.com.au](http://www.injectronics.com.au), call our office on (+613) 8792 6999, or email [sales@injectronics.com.au](mailto:sales@injectronics.com.au)*

**Make: Mitsubishi**

**Model: Magna TN / TP 2.6L 4 cyl**

**Subject: Hunting at 2000 RPM**

The idle speed control system on the TN/TP Magna is used to control additional intake air flow during starting, idle and deceleration conditions.

The idle speed control assembly is fitted to the top of the throttle body and incorporates the ISC servo motor, the servo motor position sensor and the idle contact switch. Whilst the function of the motor position sensor is to provide the ECM with feedback on how far the ISC servo motor has been extended or retracted, Injectronics have found that when the motor position sensor fails in operation, it causes the engine to have injector shut down at approximately 1800-2000RPM. When the motor position sensor fails it basically fools the ECM into thinking that the accelerator pedal has been released by the driver and that the idle switch is closed. This inturn causes the ECM to cut injection pulse, if the RPM is higher than approx 1800rpm, as it thinks that the engine is in deceleration mode where injection pulse is severely decreased, normally to control emissions and fuel economy whilst decelerating.

For further information or specifications, please contact the Injectronics technical department.

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