

# Injectronics

Remanufactured Automotive Electronics Components

## TECHNICAL BULLETIN

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**Make: Nissan**

**Model: N16 Pulsar**

**Subject: IAC Valve**

The Nissan Pulsar N16 range of engines, are fitted with an idle air control valve, located at the throttle body which is electronically controlled via the ECM.

It is a very common fault for these IAC valves to have a short circuit in one of the two coil windings within the valve.

When this fault occurs, maximum current flow is passed through the IAC valve driver, causing it to overheat and burn on the ECM circuit board.

If replacing your ECM for this reason, Injectronics advises thorough testing or replacement of the IAC valve.

To test the IAC valve, check resistance using a multi meter across terminals 1 and 2, 2 and 3, 4 and 5 and 5 and 6. All four checks should measure 20 - 24 ohms resistance @ 20°C.

Please note: These vehicles are also fitted with the Nissan anti-theft system (NATS). After replacing an ECM, the ECM must be re-configured to the vehicles existing immobiliser module using an appropriate scan tool.

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