

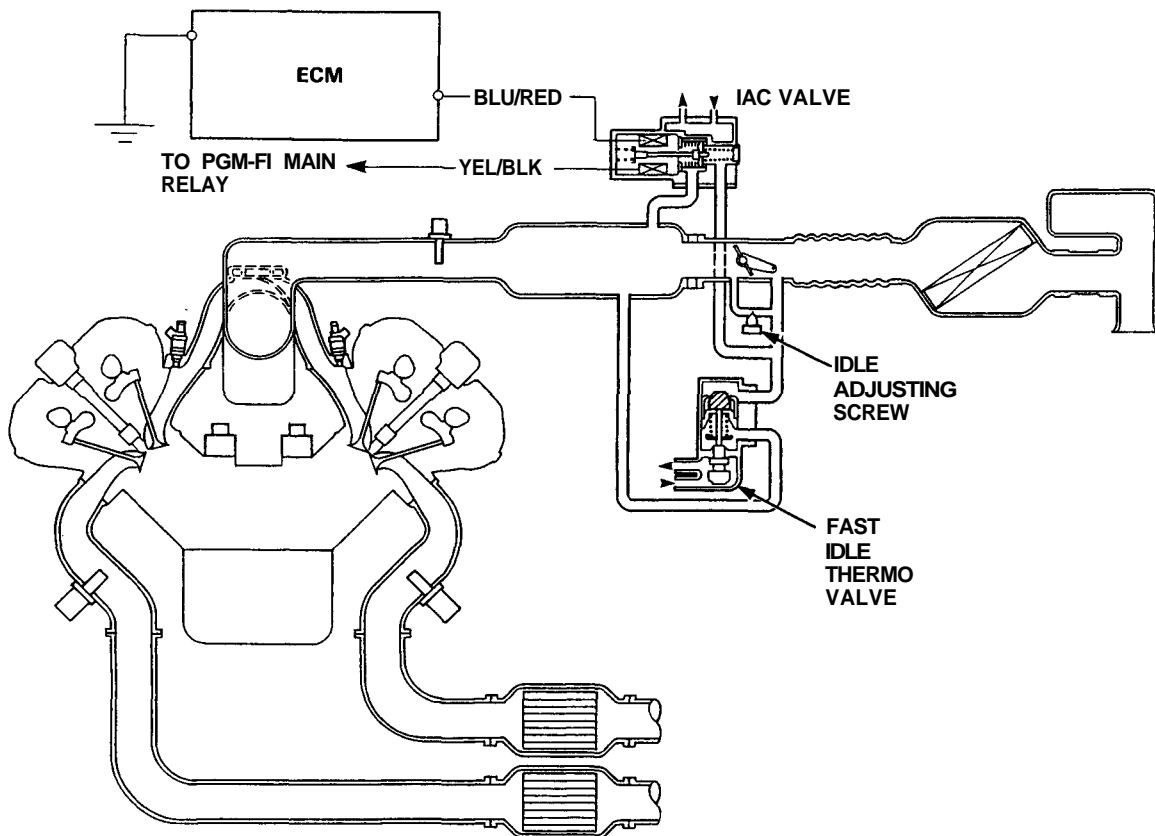


System Description

The idle speed of the engine is controlled by the Idle Air Control (IAC) valve.

The valve changes the amount of air bypassing into the intake manifold in response to electric current controlled by the ECM.

When the IAC valve is activated, the valve opens to maintain the proper idle speed.

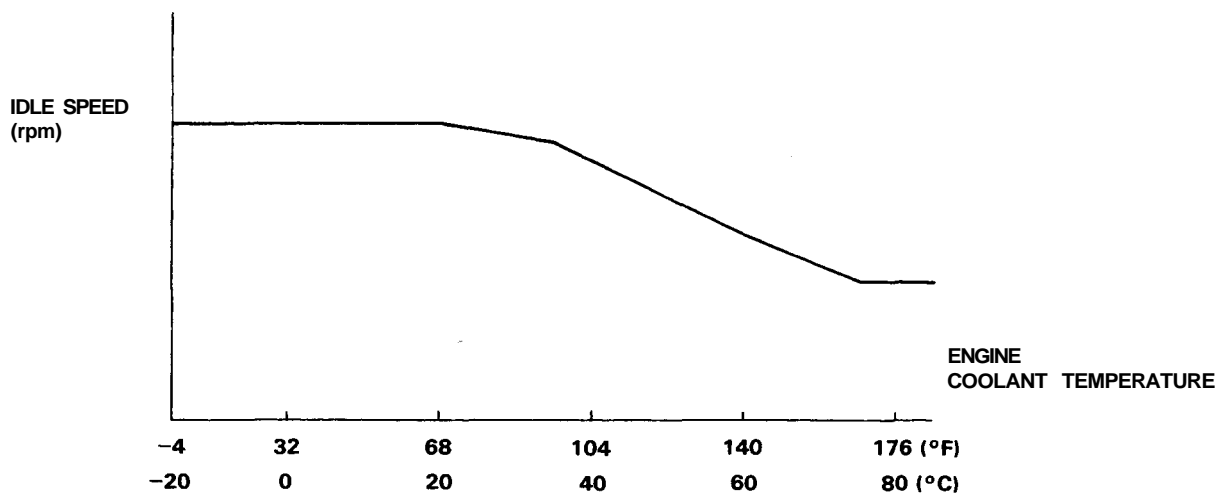


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Idle Control System

System Description (cont'd)

1. After the engine starts, the IAC valve opens for a certain time. The amount of air is increased to raise the idle speed about 150—300 rpm.
2. When the engine coolant temperature is low, the IAC valve is opened to obtain the proper fast idle speed. The amount of bypassed air is thus controlled in relation to the engine coolant temperature.





1. When the idle speed is out of specification and the Malfunction Indicator Lamp (MIL) does not blink code 14, check the following items:
 - Adjust the idle speed (see page [11-102](#))
 - Air conditioning signal (see page [11-90](#))
 - ALT FR signal (see page [11-92](#))
 - A/T gear position switch signal (see page [11-94](#))
 - Neutral switch signal (M/T) (see page [11-96](#))
 - Clutch switch signal (M/T) (see page [11-98](#))
 - Starter switch signal (see page [11-100](#))
 - Fast idle thermo valve (see page [11-101](#))
 - Hoses and connections
 - IAC valve and its mounting O-rings
2. If the above items are normal, substitute a known-good IAC valve and readjust the idle speed (see page [11-102](#)).
 - If the idle speed still cannot be adjusted to specification (and the MIL does not blink code 14) after IAC valve replacement, substitute a known-good ECM and recheck. If symptom goes away, replace the original ECM.