

Idle Control System

System Troubleshooting Guide

NOTE:

- Across each row in the chart, the sub systems that could be sources of a symptom are ranked in the order they should be inspected, starting with ①. Find the symptom in the left column, read across to the most likely source, then refer to the page listed at the top of that column. If inspection shows the system is OK, try the next system ②, etc.
- If the idle speed is out of specification and LED does not blink CODE 14, go to inspection described on page 6-151.

SUB SYSTEM		IDLE ADJUSTING SCREW	EACV	AIR CONDITIONING SIGNAL	ALTERNATOR FR SIGNAL	A/T SHIFT POSITION SIGNAL (A/T ONLY)	STARTER SWITCH SIGNAL	P/S OIL PRESSURE SWITCH SIGNAL	FAST IDLE VALVE	HOSES AND CONNECTIONS
PAGE										
SYMPTOM		—	152, 155	158	160	162	164	165	—	*
DIFFICULT TO START ENGINE WHEN COLD									①	
WHEN COLD FAST IDLE OUT OF SPEC (1,000—2,000 min ⁻¹)		③	②						①	
ROUGH IDLE			②							①
WHEN WARM RPM TOO HIGH		③	①					③	②	③
WHEN WARM RPM TOO LOW	Idle speed is below specified rpm (no load)	②	①							
	Idle speed does not increase after initial start up		①							
	On models with automatic transmission, the idle speed drops in gear		②			①				
	Idle speeds drops when air conditioner in ON		②	①						
	Idle speed drops when steering wheel is turning		②					①		
	Idle speed fluctuates with electrical load		①							
FRE-QUENT STALLING	WHILE WARMING UP		①							
	AFTER WARMING UP	②	①							
FAILS EMISSION TEST										①



1. When the idle speed is out of specification and LED does not blink CODE 14, check the following items:
 - Adjust the idle speed (page 6-166)
 - Air conditioning signal (page 6-158)
 - Alternator FR signal (page 6-160)
 - A/T shift position signal (page 6-162)
 - Starter switch signal (page 6-164)
 - P/S oil pressure signal (page 6-165)
 - Fast idle valve
 - Hoses and connections
 - EACV and its mounting O-rings

2. If the above items are normal, substitute a known-good EACV and readjust the idle speed (page 6-166).
 - If the idle speed still cannot be adjusted to specification (and LED does not blink CODE 14) after EACV replacement, substitute a known-good ECU and recheck. If symptom goes away, replace the original ECU.