

Emission Control System

Symptom-to-sub System Chart



(KX, KS, KG, KQ)

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 next system ②, etc.
- Before starting inspection, check that other items that affect engine performance are within specification. Check the self-diagnosis indicator, valve clearance, air cleaner, and PCV valve. In addition, check the ignition timing, function of the vacuum and centrifugal advance, and the condition of the spark plugs. If those items are all within specifications, begin with the troubleshooting listed in this page.

PAGE		SYSTEM	FEEDBACK CONTROL	THROTTLE CONTROL	EGR	EVAPORATIVE CONTROL	AIR INJECTION
SYMPTOM			104	112	110	115	107
ENGINE WON'T START					②	①	
DIFFICULT TO START ENGINE	WHEN COLD		①	②	②	①	
	WHEN WARM		①	②	③	①	
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFICATION		①	②	②		
	WHEN WARM ENGINE SPEED TOO HIGH			①			
	WHEN WARM ENGINE SPEED TOO LOW		①		②		
	ROUGH IDLE/ FLUCTUATION		①		②		
FREQUENT STALLING	WHILE WARMING UP		①		②		
	AFTER WARMING UP		①		②		
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING		②		①		
	LOSS OFF POWER		①			①	
	AFTERBURN		①	②			②
	HESITATION/SURGE		①		②		

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Symptom-to-sub System Chart

(Except KX, KS, KG, KQ)

PAGE		SYSTEM	THROTTLE CONTROL	EVAPORATIVE CONTROL
SYMPTOM			113	117
ENGINE WON'T START			②	①
DIFFICULT TO START ENGINE	WHEN COLD		②	①
	WHEN WARM		②	①
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFICATION		①	
	WHEN WARM ENGINE SPEED TOO HIGH		②	①
	WHEN WARM ENGINE SPEED TOO LOW		②	①
	ROUGH IDLE/ FLUCTUATION		②	①
FREQUENT STALLING	WHILE WARMING UP		②	①
	AFTER WARMING UP		②	①
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING			①
	LOSS OFF POWER			①
	AFTERBURN		①	②
	HESITATION/SURGE			①