

# Carburetor

## Symptom-to-System Chart

[KX, KS, KZ model]

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.
- Before starting inspection, check that other items that affect engine performance are within specification. Check the warning light and 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 pages 6-18 and 6-19.

PAGE		SYSTEM	CARBURETOR			
			IDLE SPEED/ MIXTURE	A/C IDLE BOOST	AUTOMATIC CHOKE/ FAST IDLE SYSTEM	AIR VENT CUT-OFF (INNER VENT) SOLENOID VALVE
SYMPTOM						
		33	22	39	82, 84	
ENGINE WON'T START					①	
DIFFICULT TO START ENGINE	WHEN COLD			①	②	
	WHEN WARM				②	
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFICATION			①		
	WHEN WARM ENGINE SPEED TOO HIGH	①	②	③		
	WHEN WARM ENGINE SPEED TOO LOW	①	①			
	ROUGH IDLE/ FLUCTUATION	①	③		②	
FREQUENT STALLING	WHILE WARMING UP		②	①		
	AFTER WARMING UP	①	②		②	
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING			②	①	
	LOSS OFF POWER				②	
	AFTERBURN	②				
	HESITATION/SURGE					



CARBURETOR					FUEL SUPPLY	AIR INTAKE	EMISSION CONTROLS
POWER VALVE	PRIMARY SLOW MIXTURE CUT-OFF SOLENOID VALVE	SLOW AIR JET CONTROL	VACUUM PISTON CONTROL	ACCELERATOR PUMP			
37	27	25	30	—	51	56	61
	②	②			①		③
	①			②			③
	①	②					③
	②						③
							③
		②					②
		③					②
	①						③
	①	①					③
			②		③		③
③			①	③	②	①	①
						②	①
				②		②	①

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## Symptom-to-Sub System Chart

[Except KS, KX, KZ model]

**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.
- Before starting inspection, check that other items that affect engine performance are within specification. Check the warning light and 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 pages 6-20 and 6-21.

PAGE		SYSTEM	CARBURETOR			
			IDLE SPEED/ MIXTURE	A/C IDLE BOOST	AUTOMATIC CHOKE/ FAST IDLE SYSTEM	AIR VENT CUT-OFF (INNER VENT) SOLENOID VALVE
SYMPTOM			33	22	39	86, 88
ENGINE WON'T START						①
DIFFICULT TO START ENGINE	WHEN COLD				①	②
	WHEN WARM					②
IRREGULAR IDLING	WHEN COLD FAST IDLE OUT OF SPECIFICATION				①	
	WHEN WARM ENGINE SPEED TOO HIGH	①	②	③		
	WHEN WARM ENGINE SPEED TOO LOW	①	①			
	ROUGH IDLE/ FLUCTUATION	①	③			②
FREQUENT STALLING	WHILE WARMING UP			②	①	
	AFTER WARMING UP	①	②			②
POOR PERFORMANCE	MISFIRE OR ROUGH RUNNING				②	①
	LOSS OFF POWER					②
	AFTERBURN	②				
	HESITATION/SURGE					



CARBURETOR			FUEL SUPPLY	AIR INTAKE	EMISSION CONTROLS
POWER VALVE	PRIMARY SLOW MIXTURE CUT-OFF SOLENOID VALVE	ACCELERATOR PUMP			
37	29	—	51	56	62
	②		①		③
	①	②			③
	①				③
	②				③
					③
					②
					②
	①				③
	①				③
			③		③
③		③	②	①	①
				②	①
		③		②	①