

## PROBLEM SYMPTOMS TABLE

When the malfunction is not confirmed in the diagnostic trouble code check and the problem still can not be confirmed in the basic inspection, proceed to this matrix chart and troubleshoot according to the numbered order given below.

Symptom	Suspect Area	See page
Engine does not crank (Does not start)	1. Starter and starter relay	<a href="#">ST-2</a>
	2. Neutral start switch circuit	<a href="#">ST-18</a> <a href="#">DI-150</a>
No initial combustion (Does not start)	1. Engine ECU power source circuit	<a href="#">DI-154</a>
	2. Ignition coil with igniter	<a href="#">DI-118</a>
	3. Fuel pump control circuit	<a href="#">DI-115</a>
	4. Injector circuit	<a href="#">DI-73</a>
No complete combustion (Does not start)	1. Fuel pump control circuit	<a href="#">DI-115</a>
	2. Ignition coil with igniter	<a href="#">DI-118</a>
	3. Injector circuit	<a href="#">DI-73</a>
Engine cranks normally (Difficult to start)	1. Starter signal circuit	<a href="#">DI-151</a>
	2. Fuel pump control circuit	<a href="#">DI-115</a>
	3. Ignition coil with igniter	<a href="#">DI-118</a>
	4. Spark plug	<a href="#">IG-1</a>
	5. Compression	<a href="#">EM-5</a>
	6. Injector circuit	<a href="#">DI-73</a>
Cold engine (Difficult to start)	1. Starter signal circuit	<a href="#">DI-151</a>
	2. Fuel pump control circuit	<a href="#">DI-115</a>
	3. Injector circuit	<a href="#">DI-73</a>
	4. Ignition coil with igniter	<a href="#">DI-118</a>
	5. Spark plug	<a href="#">IG-1</a>
Hot engine (Difficult to start)	1. Starter signal circuit	<a href="#">DI-151</a>
	2. Fuel pump control circuit	<a href="#">DI-115</a>
	3. Injector circuit	<a href="#">DI-73</a>
	4. Ignition coil	<a href="#">DI-118</a>
	5. Spark plug	<a href="#">IG-1</a>
High engine idle speed (Poor idling)	1. A/C signal circuit (Compressor circuit)	–
	2. Engine ECU power source circuit	<a href="#">DI-154</a>
	3. Neutral start switch circuit	<a href="#">DI-150</a>
	4. Back up power source circuit	<a href="#">DI-139</a>
Low engine idle speed (Poor idling)	1. A/C signal circuit (Compressor circuit)	–
	2. Neutral start switch circuit	<a href="#">DI-150</a>
	3. Fuel pump control circuit	<a href="#">DI-115</a>
	4. Injector circuit	<a href="#">DI-73</a>
	5. Air flow meter circuit	<a href="#">DI-27</a>
	6. Back up power source circuit	<a href="#">DI-139</a>
Rough idling (Poor idling)	1. Air flow meter circuit	<a href="#">DI-27</a>
	2. Injector circuit	<a href="#">DI-73</a>
	3. Variable resistor circuit	<a href="#">DI-159</a>
	4. Ignition coil with igniter	<a href="#">DI-118</a>
	5. Compression	<a href="#">EM-5</a>
	6. Fuel pump control circuit	<a href="#">DI-115</a>
	7. Back up power source circuit	<a href="#">DI-139</a>
Hunting (Poor idling)	1. Air flow meter circuit	<a href="#">DI-27</a>
	2. Engine ECU power source circuit	<a href="#">DI-154</a>
	3. Fuel pump control circuit	<a href="#">DI-115</a>

Hesitation/Poor acceleration (Poor driveability)	1. Air flow meter circuit 2. Injector circuit 3. Fuel pump control circuit 4. Variable resistor circuit 5. Ignition coil with igniter 6. A/T faulty	<a href="#">DI-27</a> <a href="#">DI-73</a> <a href="#">DI-115</a> <a href="#">DI-159</a> <a href="#">DI-118</a> <a href="#">DI-191</a>
Muffler explosion, after fire (Poor driveability)	1. Ignition coil with igniter 2. Spark plug 3. Injection circuit 4. Variable resistor circuit	<a href="#">DI-118</a> IG-1 <a href="#">DI-73</a> <a href="#">DI-159</a>
Surging (Poor driveability)	1. Fuel pump control circuit 2. Variable resistor circuit 3. Spark plug 4. Injection circuit	<a href="#">DI-115</a> <a href="#">DI-159</a> IG-1 <a href="#">DI-73</a>
Engine stall (Soon after starting)	1. Fuel pump control circuit 2. Air flow meter circuit	<a href="#">DI-115</a> <a href="#">DI-27</a>
Engine stall (After accelerator pedal depressed)	1. Air flow meter circuit	<a href="#">DI-27</a>
Engine stall (After accelerator pedal released)	1. Air flow meter circuit 2. Engine ECU	<a href="#">DI-27</a> <a href="#">IN-35</a>
Engine stall (During A/C operation)	1. A/C signal circuit (Compressor circuit) 2. Engine ECU	– <a href="#">IN-35</a>
Engine stall (When shifting N to D)	1. Neutral start switch circuit	<a href="#">DI-150</a>