

## 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 2. Neutral start switch circuit 3. Body ECU	ST-16 DI-231 DI-549
No initial combustion (Does not start)	1. Engine ECU power source circuit 2. Ignition coil with igniter 3. Fuel pump control circuit 4. Injector circuit	DI-156 DI-125 DI-121 DI-76
No complete combustion (Does not start)	1. Fuel pump control circuit 2. Ignition coil with igniter 3. Injector circuit	DI-121 DI-125 DI-76
Engine cranks normally (Difficult to start)	1. Starter signal circuit 2. Fuel pump control circuit 3. Ignition coil with igniter 4. Spark plug 5. Compression 6. Injector circuit	DI-152 DI-121 DI-125 IG-1 EM-3 DI-76
Cold engine (Difficult to start)	1. Starter signal circuit 2. Fuel pump control circuit 3. Injector circuit 4. Ignition coil with igniter 5. Spark plug	DI-152 DI-121 DI-76 DI-125 IG-1
Hot engine (Difficult to start)	1. Starter signal circuit 2. Fuel pump control circuit 3. Injector circuit 4. Ignition coil 5. Spark plug	DI-152 DI-121 DI-76 - IG-1
High engine idle speed (Poor idling)	1. A/C signal circuit (Compressor circuit) 2. Engine ECU power source circuit 3. Neutral start switch circuit 4. Back up power source circuit	DI-612 DI-156 DI-231 DI-165
Low engine idle speed (Poor idling)	1. A/C signal circuit (Compressor circuit) 2. Neutral start switch circuit 3. Fuel pump control circuit 4. Injector circuit 5. Air flow meter circuit 6. Back up power source circuit	DI-612 DI-231 DI-121 DI-76 DI-26 DI-165
Rough idling (Poor idling)	1. Air flow meter circuit 2. Injector circuit 4. Ignition coil with igniter 5. Compression 6. Fuel pump control circuit 7. Back up power source circuit	DI-549 DI-76 DI-125 EM-3 DI-121 DI-165
Hunting (Poor idling)	1. Air flow meter circuit 2. Engine ECU power source circuit 3. Fuel pump control circuit	DI-549 DI-156 DI-121

## DIAGNOSTICS - ENGINE (2JZ-GE)

Hesitation/Poor acceleration (Poor driveability)	1. Air flow meter circuit 2. Injector circuit 3. Fuel pump control circuit 4. Ignition coil with igniter 5. A/T faulty	DI-549 DI-76 DI-121 DI-125 DI-167
Muffler explosion, after fire (Poor driveability)	1. Ignition coil 2. Spark plug 3. Injection circuit	DI-76 IG-1 DI-76
Surging (Poor driveability)	1. Fuel pump connector circuit 2. Spark plug 3. Injection circuit	DI-121 IG-1 DI-76
Engine stall (Soon after starting)	1. Fuel pump connector circuit 2. Air flow meter circuit	DI-121 DI-26
Engine stall (After accelerator pedal depressed)	1. Air flow meter circuit	DI-26
Engine stall (After accelerator pedal released)	1. Air flow meter circuit 2. Engine ECU	DI-26 IN-34
Engine stall (During A/C operation)	1. A/C signal circuit (Compressor circuit) 2. Engine ECU	DI-612 IN-34
Engine stall (When shifting N to D)	1. Neutral start switch circuit	DI-231