05BAN–01

PROBLEM SYMPTOMS TABLE

When the malfunction code is not confirmed during the DTC check and no problem can be confirmed in the basic inspection, proceed to this problem symptoms tables and troubleshoot according to the numbered order given below.

Symptom	Suspected Area	See Page
Engine does not crank (Difficult to start)	1. Starter 2. Starter relay	19–1
Cold engine (Difficult to start)	1. Intake heater control circuit 2. STA signal circuit 3. Injection nozzle 4. Fuel filter 5. ECM 6. Injection pump	05–75 05–89 11–56 11–57 10–5 11–67
Hot engine (Difficult to start)	1. STA signal circuit 2. Injection nozzle 3. Fuel filter 4. Compression 5. ECM 6. Injection pump	05–89 11–56 11–57 14–40 10–5 11–67
Soon after starting (Engine stall)	1. Fuel filter 2. ECU power source circuit 3. ECM 4. Injection pump	11–57 05–94 10–5 11–67
Others (Engine stall)	1. ECU power source circuit 2. Spill control valve relay circuit 3. ECM 4. Injection pump	05–94 05–93 10–5 11–67
Incorrect first idle (Poor idling)	1. Fuel filter 2. ECM 3. Injection pump	11–57 10–5 10–5
High engine idle speed (Poor idling)	1. STA signal circuit 2. ECM 3. Injection pump	05–89 10–5 10–5
Lower engine idle speed (Poor idling)	1. Injection nozzle 2. EGR control circuit 3. Compression 4. Valve clearance 5. Fuel line (Air blend) 6. ECM 7. Injection pump	11–56 05–79 14–40 14–49 – 10–5 10–5
Rough idling (Poor idling)	1. Injection nozzle 2. Fuel line (Air blend) 3. Intake heater control circuit 4. EGR control circuit 5. Compression 6. Valve clearance 7. ECM 8. Injection pump	11–56 – 05–75 05–79 14–40 14–49 10–5 10–5

Hunting at hot engine (Poor idling)	1. Injection nozzle 2. ECU power source circuit 3. Compression 4. Fuel line (Air blend) 5. Valve clearance 6. ECM 7. Injection pump	11–56 05–94 14–40 – 14–49 10–5 10–5
Hunting at cold engine (Poor idling)	1. Injection nozzle 2. ECU power source circuit 3. Intake heater control circuit 4. Compression 5. Fuel line (Air blend) 6. Valve clearance 7. ECM 8. Injection pump	11–56 05–94 05–75 14–40 – 14–49 10–5 10–5
Hesitation/ Poor acceleration (Poor driveability)	1. Injection nozzle 2. Fuel filter 3. EGR control circuit 4. Compression 5. ECM 6. Injection pump	11–56 11–57 05–79 14–40 10–5 10–5
Knocking (Poor driveability)	1. Injection nozzle 2. EGR control circuit 3. ECM	11–56 05–79 10–5
Black smoke (Poor driveability)	1. Injection nozzle 2. EGR control circuit 3. ECM 4. Injection pump	11–56 05–79 10–5 10–5
White smoke (Poor driveability)	1. EGR control circuit 2. Intake heater control circuit 3. Injection nozzle 4. Fuel filter 5. ECM 6. Injection pump	05–79 05–75 11–56 11–57 10–5 10–5
Surging/ Hunting (Poor driveability)	1. Injection nozzle 2. ECM 3. Injection pump	11–56 10–5 10–5