054S7–07

PROBLEM SYMPTOMS TABLE

When the malfunction code is not confirmed the DTC check and the problem still can not be confirmed in the basic inspection, then proceed to this step and perform troubleshooting according to the numbered order given in the table below.

Symptom	Suspect Area	See page
Does not crank (Difficult to start)	1. Starter 2. Starter relay 3. Neutral start switch circuit (A/T)	19–22 19–22 —
Cold engine (Difficult to start)	1. STA signal circuit 2. Injection nozzle 3. Fuel filter 4. ECM 5. Injection pump	05–410 11–73 11–84 01–36 11–73
Hot engine (Difficult to start)	1. STA signal circuit 2. Injection nozzle 3. Fuel filter 4. Compression 5. ECM 6. Injection pump	05–410 11–73 11–84 14–123 01–36 11–73
Soon after starting (Engine stall)	1. Fuel filter 2. ECM power source circuit 3. ECM 4. Injection pump	11–84 05–380 01–36 11–73
Others (Engine stall)	1. ECM power source circuit 2. ECM 3. Injection pump	05–380 01–36 11–73
Incorrect first idle (Poor idling)	1. Fuel filter 2. ECM 3. Injection pump	11–84 01–36 11–73
High engine idle speed (Poor idling)	1. A/C signal circuit 2. STA signal circuit 3. ECM 4. Injection pump	05–396 05–410 01–36 11–73
Lower engine idle speed (Poor idling)	1. A/C signal circuit 2. Injection nozzle 3. EGR control circuit 4. Compression 5. Valve clearance 6. Fuel line (Air beed) 7. ECM 8. Injection pump	05–396 11–73 05–386 14–123 14–130 — 01–36 11–73
Rough idling (Poor idling)	1. Injection nozzle 2. Fuel line (Air beed) 3. EGR control circuit 4. Compression 5. Valve clearance 6. ECM 7. Injection pump	11–73 — 05–386 14–123 14–130 01–36 11–73
Hunting at hot engine (Poor idling)	1. Injection nozzle 2. ECM power source circuit 3. Compression 4. Fuel line (Air beed) 5. Valve clearance 6. ECM 7. Injection pump	11–73 05–380 14–123 — 14–130 01–36 11–73

Hunting at cold engine (Poor idling)	1. Injection nozzle 2. ECM power source circuit 3. Compression 4. Fuel line (Air beed) 5. Valve clearance 6. ECM 7. Injection pump	11–73 05–380 14–123 — 14–130 01–36 11–73
Hesitation/ Poor acceleration (Poor driveability)	1. Injection nozzle 2. Fuel filter 3. EGR control circuit 4. Compression 5. ECM 6. Injection pump	11–73 11–84 05–386 14–123 01–36 11–73
Knocking (Poor driveability)	1. Injection nozzle 2. EGR control circuit 3. ECM	11–73 05–386 01–36
Black smoke (Poor driveability)	1. Injection nozzle 2. EGR control circuit 3. ECM 4. Injection pump	11–73 05–386 01–36 11–73
White smoke (Poor driveability)	1. EGR control circuit 2. Injection nozzle 3. Fuel filter 4. ECM 5. Injection pump	05–386 11–73 11–84 01–36 11–73
Surging/ Hunting (Poor driveability)	1. Injection nozzle 2. ECM 3. Injection pump	11–73 01–36 11–73