DI6AJ–02

# CUSTOMER PROBLEM ANALYSIS CHECK

**ENGINE CONTROL SYSTEM Check Sheet**

Inspector's Name _____

| | | | |
|---|---|---|---|
| Customer's Name | | Model and Model Year | |
| Driver's Name | | Frame No. | |
| Date Vehicle Brought in | | Engine Model | |
| License No. | | Odometer Reading | km miles |

| | | |
|---|---|---|
| Problem Symptoms | ☐ Engine does not Start | ☐ Engine does not crank ☐ No initial combustion ☐ No complete combustion |
| | ☐ Difficult to Start | ☐ Engine cranks slowly<br>☐ Other _____ |
| | ☐ Poor Idling | ☐ Incorrect first idle ☐ Idling rpm is abnormal ☐ High ( rpm) ☐ Low ( rpm)<br>☐ Rough idling ☐ Other _____ |
| | ☐ Poor Driveability | ☐ Hesitation ☐ Back fire ☐ Muffler explosion (after–fire) ☐ Surging<br>☐ Knocking ☐ Other _____ |
| | ☐ Engine Stall | ☐ Soon after starting ☐ After accelerator pedal depressed<br>☐ After accelerator pedal released ☐ During A/C operation<br>☐ Shifting from N to D ☐ Other _____ |
| | ☐ Others | |

| | | |
|---|---|---|
| Dates Problem Occurred | | |
| Problem Frequency | | ☐ Always ☐ Sometimes ( times per day/month) ☐ Once only<br>☐ Other _____ |
| Condition When Problem Occurs | Weather | ☐ Fine ☐ Cloudy ☐ Rainy ☐ Snowy ☐ Various/Other _____ |
| | Outdoor Temperature | ☐ Hot ☐ Warm ☐ Cool ☐ Cold (approx. ____ °F/____ °C) |
| | Place | ☐ Highway ☐ Suburbs ☐ Inner city ☐ Uphill ☐ Downhill<br>☐ Rough road ☐ Other _____ |
| | Engine Temp. | ☐ Cold ☐ Warming up ☐ After warming up ☐ Any temp. ☐ Other _____ |
| | Engine Operation | ☐ Starting ☐ Just after starting ( min.) ☐ Idling ☐ Racing<br>☐ Driving ☐ Constant speed ☐ Acceleration ☐ Deceleration<br>☐ A/C switch ON/OFF ☐ Other _____ |

| | | |
|---|---|---|
| DTC Inspection | Normal Mode (Pre–check) | ☐ Normal ☐ Malfunction code(s) (code )<br>☐ Freeze frame data ( ) |
| | Check (test) Mode | ☐ Normal ☐ Malfunction code(s) (code )<br>☐ Freeze frame data ( ) |