054S3–07

# CUSTOMER PROBLEM ANALYSIS CHECK

**ENGINE CONTROL SYSTEM Check Sheet**

**Inspector's Name** _____

| | | | |
|---|---|---|---|
| **Customer's Name** | | **Model and Model Year** | |
| **Driver's Name** | | **Frame No.** | |
| **Data Vehicle Brought in** | | **Engine Model** | |
| **License No.** | | **Odometer Reading** | km<br>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 Drivability | ☐ 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 | |

| | | |
|---|---|---|
| **Datas Problem Occurred** | | |
| **Problem Frequency** | | ☐ Constant ☐ 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 _____ |

| | | | |
|---|---|---|---|
| **Condition of check engine warning light (CHK ENG)** | | ☐ Remains on | ☐ Sometimes light up ☐ Does not light up |
| **DTC Inspection** | **Normal mode (Precheck)** | ☐ Normal | ☐ Malfunction code(s) (code )<br>☐ Freezed frame data ( ) |
| | **Check Mode** | ☐ Normal | ☐ Malfunction code(s) (code )<br>☐ Freezed frame data ( ) |