

# HOW TO PROCEED WITH TROUBLESHOOTING

**HINT:** Troubleshooting of the wireless door lock control system is based on the premise that the door lock control system is operating normally. Accordingly, before troubleshooting the wireless door lock control system, first make certain that the door lock control system is operating normally.

Perform troubleshooting in accordance with the procedure on the following page.

## [1] CUSTOMER PROBLEM ANALYSIS

Using the customer problem analysis check sheet of reference, ask the customer in as much detail as possible about the problem.

## [2] PROBLEM SYMPTOM CONFIRMATION, [3] SYMPTOM SIMULATION

Confirm the problem symptoms. If the problem does not reappear, be sure to simulate the problem, using the "Problem Simulation Method".

At this stage check whether the whole wireless door lock control system fails to operate, or whether only some of the particular functions fail to operate.

## [4] PRECHECK TYPE I, [5] PRECHECK TYPE II

Using the self diagnosis function of the wireless door lock ECU, perform Precheck Type I to find out if the system is normal (system non-operation due to external noise, etc.) or if the abnormality lies with the vehicle. In Precheck Type II, locate if the cause of problem lies in the transmitter, the antenna or the vehicle. Perform Precheck Type I when whole wireless door lock control system fails to operate only at a specific locality.

Perform Precheck Type II when whole wireless door lock control system fails to operate no matter where the locality is.

When only some functions of wireless door lock control system do not operate, proceed to [8] on the Matrix Chart of Problem Symptoms.

## [6] INSPECTION OF TRANSMITTER, [7] INSPECTION OF ANTENNA CIRCUIT

If it is found in Precheck Type II that the cause of the problem is in the transmitter or antenna, proceed to the appropriate pages and start troubleshooting.

## [8] MATRIX CHART OF PROBLEM SYMPTOMS

Confirm the order of inspection for each applicable problem symptom on the matrix chart.

## [9] CIRCUIT INSPECTION

Proceed with diagnosis of each circuit in accordance with the inspection order confirmed in [8]. Judge whether the cause of the problem is in the sensor, wire harness and connectors, or the ECU.

## [10] REPAIR

If the cause of the problem is found in [9], perform repairs.

## [11] CONFIRMATION TEST

After completing repairs, confirm that the problem is eliminated and that all functions of the wireless door lock control system are normal.

