

TROUBLESHOOTING

HOW TO PROCEED WITH TROUBLESHOOTING

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

[1] CUSTOMER PROBLEM ANALYSIS

Using the customer problem analysis check sheet for reference, ask the customer in as much detail as possible about the problem. A subjective complaint such as "poor air conditioner efficiency" is also considered in the air conditioner complaints.

Therefore, in "Customer Problem Analysis" and "Problem Symptom Confirmation", check carefully to determine whether the level of performance is the actual (normal) level or whether it is abnormal. Then perform troubleshoot accordingly.

[2] CHECK AND CLEAR THE DIAGNOSTIC CODES (PRECHECK)

First check the diagnostic codes to see if there are any malfunction codes stored in memory. If there are malfunction codes, make a note of them, then clear them and proceed to "[3] problem Symptom Confirmation."

[3] PROBLEM SYMPTOM CONFIRMATION, 4. SYMPTOM SIMULATION

Confirm the problem symptoms. If the problem does not reappear, be sure to simulate the problem by mainly checking the circuits indicated by the diagnostic code in step [2], using "Problem Simulation Method".

[5] DIAGNOSTIC CODE CHECK

Check the diagnostic codes. Check for problems with the sensors or the wire harness.

[6] DIAGNOSTIC CODE CHART

If a malfunction code is confirmed in the diagnostic code check, proceed to the check procedure indicated by the matrix chart for each diagnostic code.

[7] MATRIX CHART OF PROBLEM SYMPTOMS

If the normal code is confirmed in the diagnostic code check, perform inspection in accordance with the inspection order in the matrix chart of problem symptoms.

[8] CIRCUIT INSPECTION

Proceed with diagnosis of each circuit in accordance with the inspection order confirmed in [6] and [7]. Determine whether the cause of the problem is in the sensor, actuators, wire harness and connectors, or the ECU.

[9] ACTUATOR CHECK

Check actuators for proper operation. Instructions for this diagnosis are given in the flow chart for each circuit.

[10] REPAIRS

After the cause of the problem is located, perform repairs by following the inspection and replacement procedures in this manual.

[11] CONFIRMATION TEST

After completing repairs, confirm not only that the malfunction is eliminated, but also perform diagnostic code check and actuator check, etc. again to make sure the entire air conditioning system is operating correctly.

