

HOW TO PROCEED WITH TROUBLESHOOTING

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

[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.

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

If the ABS warning light lights up, and the ABS does not operate, the ECU stores diagnostic codes corresponding to the problem in memory.

Before confirming the trouble, first check the diagnostic codes to see for any malfunction codes stored in memory. When 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 reoccur, 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. If a malfunction code is output, proceed to " [6] Diagnostic Code Chart".

If the normal code is output, proceed to " [7] Problem Symptoms Chart".

Be sure to proceed to " [6] Diagnostic Code Chart" after the steps [2] and [3] are completed.

If troubleshooting is attempted only by following the malfunction code stored in the memory, errors could be made in the diagnosis.

[6] DIAGNOSTIC CODE CHART

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

[7] PROBLEM SYMPTOMS CHART

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

[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] SENSOR CHECK

Use the ABS warning light to check if each of the signals from speed sensors are being input correctly to the ECU. Instructions for this check are given in the circuit inspection.

[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 conduct a test drive, etc., to make sure the entire ABS system is operating correctly. (In vehicles with the TRAC system, also check the TRAC system.)

