

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.

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

When there is a problem with the cruise control being canceled or failing to set, first check the diagnostic code if there are any trouble codes stored in memory. If there are trouble 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. Determine if the Problem is in the sensors or the wire harness.

If a malfunction code is present, proceed to "[6] Diagnostic Code Chart". If the normal code is output, proceed to "[7] Matrix Chart Problem Symptoms".

Be sure to proceed to "[6] Diagnostic Code Chart" after [2] and [3]

If troubleshooting is attempted after only the first malfunction code in the memory is output, errors could be made in the diagnosis.

[6] DIAGNOSTIC CODE CHART

If a trouble 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 in [6] and [7] Determine whether the cause of the problem is in the sensor, actuators, wire harness and connectors, or the ECU.

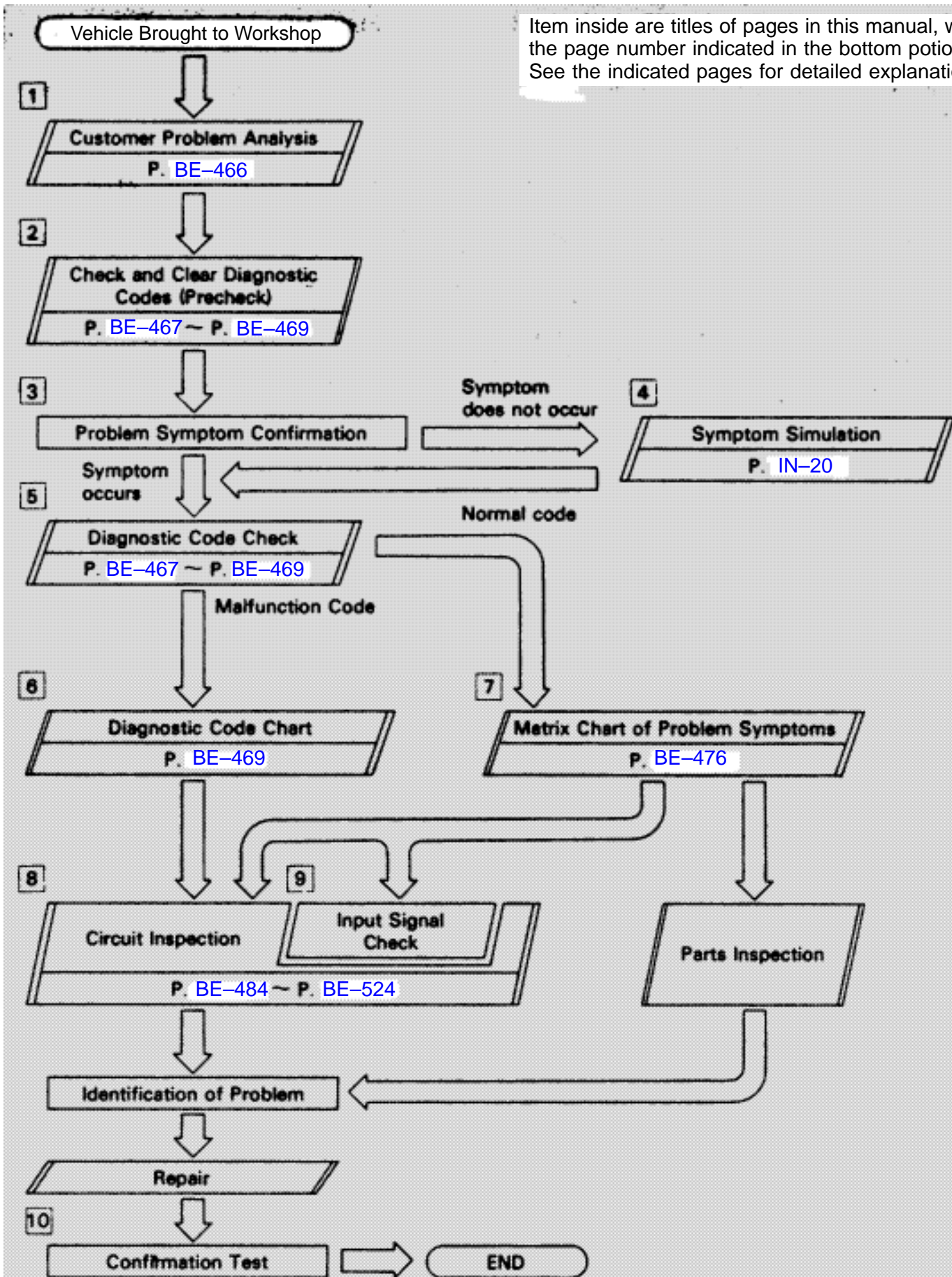
[9] INPUT SIGNAL CHECK

Check whether signals from the stop light switch and neutral start switch, etc. are input normally to the ECU. This check is indicated in the flow chart for each circuit.

[10] CONFIRMATION TEST

After completing repairs, confirm not only that the malfunction is eliminated, but also perform a drive test, etc. to make sure the entire cruise control system is operating correctly.

Item inside are titles of pages in this manual, with the page number indicated in the bottom portion. See the indicated pages for detailed explanation.



HOW TO PROCEED WITH TROUBLESHOOTING USING VOLT/OHM METER AND CRUISE CONTROL CHECKER

For the explanation of step ① ~ ⑥ and ⑨ ~ [12], see the explanation of steps with the same title on page BE-

⑦ ⑧ CIRCUIT INSPECTION BY CRUISE CONTROL CHECKER

If the Normal code is displayed in the diagnostic code check, check all the circuits which can be inspected using the checker.

If a malfunctioning circuit is then detected, proceed to "Circuit Inspection by Volt/Ohm Meter" and check the applicable circuit using a volt/ohm meter. Determine if the malfunction is in the sensor, actuator, wire harness, connector or the ECU. If the malfunctioning circuit cannot be detected using the checker, proceed to "Matrix Chart of Problem Symptoms" and perform troubleshooting.

If a malfunction code is displayed in the diagnostic code check, use the checker to inspect the circuit indicated by the diagnostic code chart for the displayed code.

For instructions on how to connect the checker to the vehicle and how to use the checker, please refer to the instruction Manual for Cruise Control.

