

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2003 NISSAN Patrol SWB OEM Service and Repair Workshop Manual

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6. Remove 12V battery terminal.

CAUTION:

After installing 12V battery, always check self-diagnosis results of all ECUs and erase DTC.

Sample

CAUTION:

- **Erase DTC when replacing parts of AEB system. Then check the operation of AEB system after radar alignment if necessary.**
- **Never change AEB system state ON/OFF without the consent of the customer.**
- **Turn the AEB system OFF in conditions similar to driving, such as free rollers or a chassis dynamometer.**

Sample

Wiring Diagram

Click link to [Wiring Diagram](#).

Sample

Always perform the AEB system action test to check that the system operates normally after replacing the ADAS control unit 2, replacing the front camera unit, or repairing any AEB system malfunction.

1. CHECK AEB SYSTEM SETTING

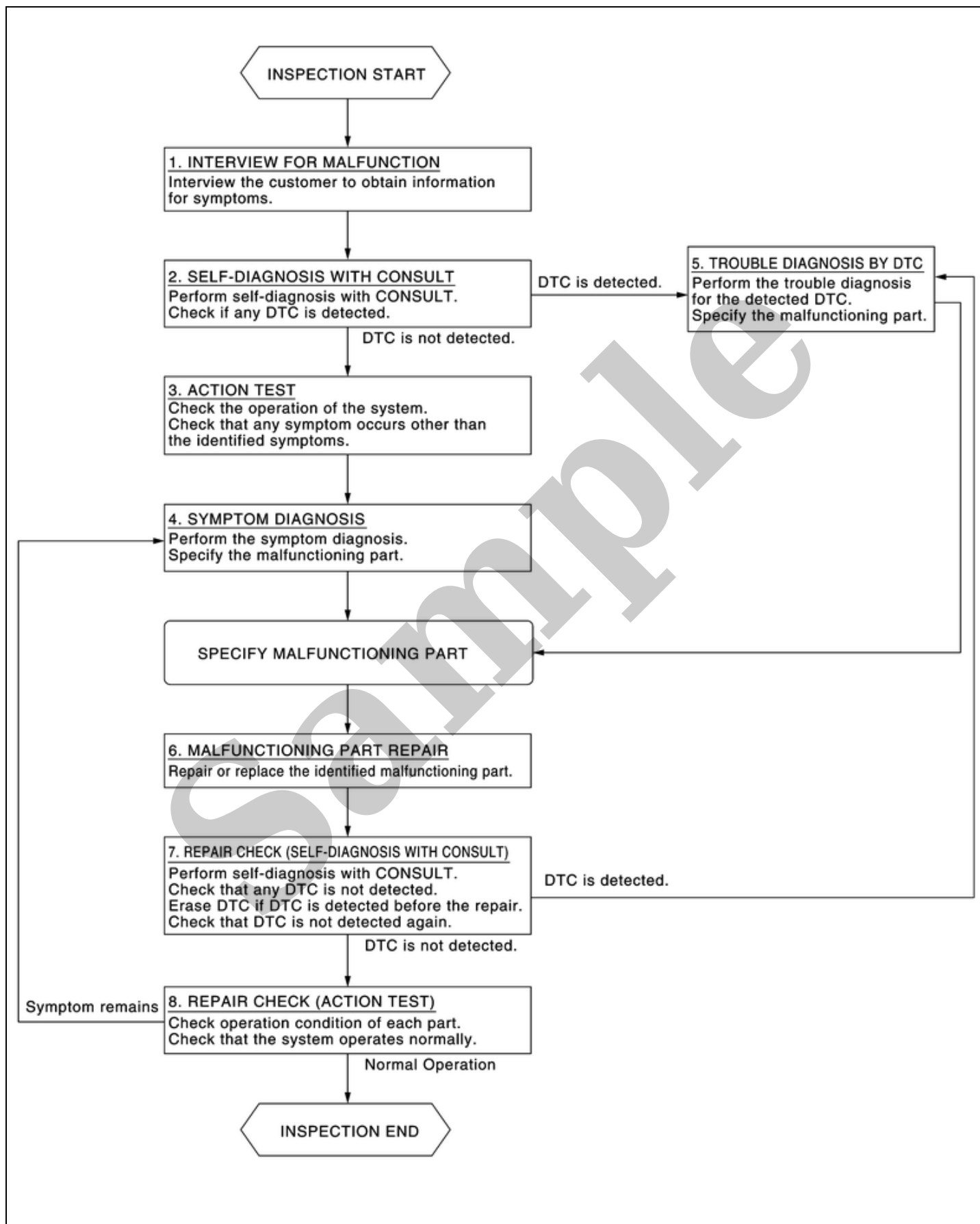
1. Set the vehicle to READY.
2. Check that the AEB system setting can be enabled/disabled on the information display.

>>

INSPECTION END

Sample

OVERALL SEQUENCE



SIEMD-7106164-02-SOIA0485GB

DETAILED FLOW

1. INTERVIEW FOR MALFUNCTION

It is also important to clarify the customer concerns before starting the inspection. Interview the customer about the concerns carefully and understand the symptoms fully.



NOTE:

The customers are not professionals. Never assume that “maybe the customer means…” or “maybe the customer mentioned this symptom”.

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[GO TO 2.](#)

2. SELF-DIAGNOSIS WITH CONSULT

1. Perform “All DTC Reading” with CONSULT.
2. Check if the DTC is detected on the self-diagnosis results of following.
 - “ICC/ADAS 2”
 - “LASER/RADAR”
 - “LANE CAMERA”

Is any DTC detected?

YES>>

Record or print self-diagnosis results and freeze frame data (FFD). [GO TO 5.](#)

NO>>

[GO TO 3.](#)

3. ACTION TEST

Perform Following system action test to check the operation status. Refer to [Work Procedure](#).

Check if any other malfunctions occur.

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[GO TO 4.](#)

4. SYMPTOM DIAGNOSIS

Perform the applicable diagnosis according to the diagnosis chart by symptom. Refer to [Symptom Table](#).

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[GO TO 6.](#)

5. TROUBLE DIAGNOSIS BY DTC

1. Erase self-diagnostic results.
2. Power switch OFF → ON.

CAUTION:

Be sure to wait of 10 seconds after turning power switch OFF or ON.

3. Check the DTC in the self-diagnosis results.

4. Perform trouble diagnosis for the detected DTC following.

- “ICC/ADAS 2”: Refer to [DTC Index](#)
- “LASER/RADAR”: Refer to [DTC Index](#)
- “LANE CAMERA”: Refer to [DTC Index](#).



NOTE:

If Network-DTC is detected, first diagnose the CAN communication system.

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[GO TO 6.](#)

6. MALFUNCTIONING PART REPAIR

Repair or replace the identified malfunctioning parts.

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[GO TO 7.](#)

7. REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT)

1. Erases self-diagnosis results.
2. Perform “All DTC Reading” again after repairing or replacing the specific items.
3. Check if any DTC is detected in self-diagnosis results of following.
 - “ICC/ADAS 2”
 - “LASER/RADAR”
 - “LANE CAMERA”

Is any DTC detected?

YES>>

[GO TO 5.](#)

NO>>

[GO TO 8.](#)

8. REPAIR CHECK (ACTION TEST)

Perform the action test. Check that the malfunction symptom is solved or no other symptoms occur. Refer to [Work Procedure](#).

Is there a malfunction symptom?

YES>>

[GO TO 4.](#)

NO>>

INSPECTION END

Symptom Table

SIEMD-7106176

Symptom	Confirmation item	Reference page
AEB system display does not display	Combination meter	On Board Diagnosis Function
AEB warning lamp is blinking		Symptom Description

Sample

PRECAUTIONS FOR AEB

Refer to [Precautions for Automatic Emergency Braking](#).

Sample