

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.

2007 NISSAN Patrol SWB OEM Service and Repair Workshop Manual

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WARNING:

- Before servicing, power switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to [When SRS is activated in a collision](#) or [When SRS is not activated in a collision](#).

>>

[GO TO 2.](#)

2. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC B12B5-97 is detected, replace air bag diagnosis sensor unit.

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Replace air bag diagnosis sensor unit. Refer to [Removal & Installation](#).

Sample

DTC DETECTION LOGIC

| DTC No. | CONSULT screen items | DTC Detection Condition | |
|----------|----------------------------|-------------------------|---|
| | | Diagnosis condition | When power switch is ON. |
| B0052-11 | Passenger Seat Belt Sensor | Signal (terminal) | Seat belt buckle switch (passenger side) signal |
| | | Threshold | Seat belt buckle switch (passenger side) circuit is shorted to ground |
| | | Diagnosis delay time | 2 seconds or more. |
| | | | |

POSSIBLE CAUSE

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt buckle switch (passenger side)
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAGNOSTIC RESULT

 With CONSULT

1. Power switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Is malfunctioning part detected?

YES>>

Refer to [Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

WARNING:

- Before servicing, power switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO-1>>

Damage: Replace malfunctioning harness and connector.

NO-2>>

Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace malfunctioning harness and connector.

3. REPLACE SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

1. Replace seat belt buckle switch (passenger side). Refer to [Removal & Installation](#).

2. Perform DTC confirmation procedure. Refer to [DTC Description](#).

Is DTC detected?

YES>>

[GO TO 4.](#)

NO>>

INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [Removal & Installation](#).

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Sample

DTC DETECTION LOGIC

| DTC No. | CONSULT screen items | DTC Detection Condition | |
|----------------------|---|-------------------------|----------------------------|
| | | B0052-12 | Passenger Seat Belt Sensor |
| Signal (terminal) | Seat belt buckle switch (passenger side) signal | | |
| Threshold | Seat belt buckle switch (passenger side) circuit is shorted to power supply circuit | | |
| Diagnosis delay time | 2 seconds or more. | | |

POSSIBLE CAUSE

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch (passenger side).
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAGNOSTIC RESULT

 With CONSULT

1. Power switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Is malfunctioning part detected?

YES>>

Refer to [Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

WARNING:

- Before servicing, power switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO-1>>

Damage: Replace malfunctioning harness and connector.

NO-2>>

Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace malfunctioning harness and connector.

3. REPLACE SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

1. Replace seat belt buckle switch (passenger side). Refer to [Removal & Installation](#).

2. Perform DTC confirmation procedure. Refer to [DTC Description](#).

Is DTC detected?

YES>>

[GO TO 4.](#)

NO>>

INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [Removal & Installation](#).

>>

Sample

DTC DETECTION LOGIC

| DTC No. | CONSULT screen items | DTC Detection Condition | |
|----------------------|--|-------------------------|----------------------------|
| | | B0052-13 | Passenger Seat Belt Sensor |
| Signal (terminal) | Seat belt buckle switch (passenger side) signal | | |
| Threshold | Seat belt buckle switch (passenger side) circuit is open | | |
| Diagnosis delay time | 2 seconds or more. | | |

POSSIBLE CAUSE

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch (passenger side)
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAGNOSTIC RESULT

 With CONSULT

1. Power switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Is malfunctioning part detected?

YES>>

Refer to [Diagnosis Procedure](#).

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

WARNING:

- Before servicing, power switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO-1>>

Damage: Replace malfunctioning harness and connector.

NO-2>>

Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace malfunctioning harness and connector.

3. REPLACE SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

1. Replace seat belt buckle switch (passenger side). Refer to [Removal & Installation](#).

2. Perform DTC confirmation procedure. Refer to [DTC Description](#).

Is DTC detected?

YES>>

[GO TO 4.](#)

NO>>

INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [Removal & Installation](#).

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