

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.

2006 NISSAN Navara / Frontier Double Cab 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. 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. CHECK SPIRAL CABLE CIRCUIT

1. Power switch OFF.
2. Disconnect driver air bag module connector and spiral cable connector.
3. Check continuity between spiral cable terminals.

Terminal		Continuity
37	38	Not existed

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace spiral cable. Refer to [Removal & Installation](#).

4. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [Removal & Installation](#).
2. Perform DTC confirmation procedure. Refer to [DTC Description](#).

Is DTC detected?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
		Diagnosis condition	When power switch is ON.
B0001-1B	Driver Frontal Stage 1 Deployment Control	Signal (terminal)	Driver air bag module signal
		Threshold	Driver air bag module circuit resistance is above threshold (including the spiral cable)
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Connection malfunction of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG 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 or more. (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 SPIRAL CABLE

1. Replace spiral cable. 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 DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [Removal & Installation](#).
2. Perform DTC confirmation procedure. Refer to [DTC Description](#).

Is DTC detected?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

>>

INSPECTION END

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
		Diagnosis condition	When power switch is ON.
B0001-1E	Driver Frontal Stage 1 Deployment Control	Signal (terminal)	Driver air bag module signal
		Threshold	Driver air bag module 1 circuit is shorted to driver air bag module 2 (including the spiral cable)
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG 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 or more. (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. CHECK SPIRAL CABLE CIRCUIT

1. Power switch OFF.
2. Disconnect driver air bag module connector and spiral cable connector.
3. Check continuity between spiral cable terminals.

Terminal		Continuity
37	39	Not existed
	40	
38	39	

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace spiral cable. Refer to [Removal & Installation](#).

4. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [Removal & Installation](#).
2. Perform DTC confirmation procedure. Refer to [DTC Description](#).

Is DTC detected?

YES>>

[GO TO 5.](#)

NO>>

INSPECTION END

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

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INSPECTION END

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
		Diagnosis condition	
B0001-55	Driver Frontal Stage 1 Deployment Control	Signal (terminal)	Driver air bag module signal
		Threshold	When a mismatch is detected between in the configuration data stored in the air bag diagnosis sensor unit and vehicle specification.
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Connection malfunction of harness and connector
- Mistake of configuration for air bag diagnosis sensor unit
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG 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