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 X-Trail (T30) OEM Service and Repair Workshop Manual

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Diagnosis Procedure

> **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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. 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.

>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
B0011-13	Passenger Frontal Stage 2 Deployment Control	Diagnosis condition	When power switch is ON.
		Signal (terminal)	Passenger air bag module signal
		Threshold	Passenger air bag module circuit is open
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Connection malfunction or open circuit of harness and connector

- Internal malfunction of passenger air bag module

- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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

Diagnosis Procedure

> **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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. 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.

>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
B0011-1A	Passenger Frontal Stage 2 Deployment Control	Diagnosis condition	When power switch is ON.
		Signal (terminal)	Passenger air bag module signal
		Threshold	Passenger air bag module circuits are shorted to each other
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Connection malfunction or short circuit of harness and connector

- Internal malfunction of passenger air bag module

- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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

Diagnosis Procedure

> **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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. 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.

>>

INSPECTION END

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
B0011-1B	Passenger Frontal Stage 2 Deployment Control	Diagnosis condition	When power switch is ON.
		Signal (terminal)	Passenger air bag module signal
		Threshold	Passenger air bag module circuit resistance is above threshold
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Connection malfunction of harness and connector

- Internal malfunction of passenger air bag module

- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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