

# 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.

## 2005 NISSAN XTerra OEM Service and Repair Workshop Manual

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## DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
		Diagnosis condition	When power switch is ON.
B1002-55	Lap pre-tensioner RH	Signal (terminal)	Lap pre-tensioner RH 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-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

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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

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Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Replace malfunctioning harness and connector.

## 3. PERFORM CONFIGURATION

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1. Perform configuration for air bag diagnosis sensor unit. Refer to [Description](#).

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

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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	
		U2112-81	CAN communication error (brake unit)
		Signal (terminal)	CAN communication signal
		Threshold	If air bag diagnosis sensor unit detects an error signal that is received from electrically - driven intelligent brake unit via CAN communication
		Diagnosis delay time	2 seconds or more.

## POSSIBLE CAUSE

- Electrically - driven intelligent brake unit
- Air bag diagnosis sensor unit

## FAIL-SAFE

## DTC CONFIRMATION PROCEDURE

### 1. CHECK DTC PRIORITY

If DTC U2112-81 is displayed with DTC U0073-00, first perform the trouble diagnosis for DTC U0073-00.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

### 2. 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

Sample

**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 DTC PRIORITY

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If DTC U2112-81 is displayed with DTC U0073-00, first perform the trouble diagnosis for DTC U0073-00.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

## 2. CHECK ELECTRICALLY - DRIVEN INTELLIGENT BRAKE UNIT SELF-DIAGNOSIS RESULTS

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Check if any DTC is detected in “Self Diagnostic Result” of “BRAKE”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#).

NO>>

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

## DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
U2143-81	CAN communication error (VCM/HCM)	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	If air bag diagnosis sensor unit detects an error signal that is received from VCM via CAN communication
		Diagnosis delay time	2 seconds or more.

## POSSIBLE CAUSE

- VCM
- Air bag diagnosis sensor unit

## FAIL-SAFE

## DTC CONFIRMATION PROCEDURE

### 1. CHECK DTC PRIORITY

If DTC U2143-81 is displayed with DTC U0073-00, first perform the trouble diagnosis for DTC U0073-00.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

### 2. 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

Sample

**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 DTC PRIORITY

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If DTC U2143-81 is displayed with DTC U0073-00, first perform the trouble diagnosis for DTC U0073-00.

Is applicable DTC detected?

YES>>

Perform diagnosis of applicable. Refer to [DTC Description](#).

NO>>

[GO TO 2.](#)

## 2. CHECK VCM SELF-DIAGNOSIS RESULTS

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Check if any DTC is detected in “Self Diagnostic Result” of “EV/HEV”.

Is any DTC detected?

YES>>

Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to [DTC Index](#).

NO>>

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