

# 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 X-Trail (T30) 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.
B1002-13	Lap pre-tensioner RH	Signal (terminal)	Lap pre-tensioner RH signal
		Threshold	Lap pre-tensioner RH circuit is open
		Diagnosis delay time	2 seconds or more.

## POSSIBLE CAUSE

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of lap pre-tensioner RH
- 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. REPLACE LAP PRE-TENSIONER RH

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1. Replace lap pre-tensioner RH. 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

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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	
		B1002-1A	Lap pre-tensioner RH
Signal (terminal)	Lap pre-tensioner RH signal		
Threshold	Lap pre-tensioner RH 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 lap pre-tensioner RH
- 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 LAP PRE-TENSIONER RH

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1. Replace lap pre-tensioner RH. 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	
		B1002-1B	Lap pre-tensioner RH
		Signal (terminal)	Lap pre-tensioner RH signal
		Threshold	Lap pre-tensioner RH circuit resistance is above threshold
		Diagnosis delay time	2 seconds or more.

## POSSIBLE CAUSE

- Connection malfunction of harness and connector
- Internal malfunction of lap pre-tensioner RH
- 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 LAP PRE-TENSIONER RH

---

1. Replace lap pre-tensioner RH. 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

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

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Sample