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2006 NISSAN Almera / Pulsar 3 Doors OEM Service and Repair Workshop Manual

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DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
U215F-81	CAN communication error (laser/radar)	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 distance sensor via CAN communication
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Distance sensor
- Air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC U215F-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>>

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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

If DTC U215F-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>>

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2. CHECK DISTANCE SENSOR SELF-DIAGNOSIS RESULTS

Check if any DTC is detected in “Self Diagnostic Result” of “LASER/RADAR”.

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	
U2176-81	CAN communication error (CCM/ST angle sensor)	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 chassis control module via CAN communication
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

- Chassis control module
- Air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If DTC U2176-81 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

If DTC U2176-81 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>>

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2. CHECK CHASSIS CONTROL MODULE SELF-DIAGNOSIS RESULTS

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

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	
		B12B7-97	Rollover detection
Signal (terminal)	Rollover signal		
Threshold	Rollover detected		
Diagnosis delay time	2 seconds or more.		

POSSIBLE CAUSE

Rollover

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. PERFORM COLLISION DIAGNOSIS

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

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2. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC B12B7-97 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	
		B0020-09	Left Side Airbag Deployment Control
Signal (terminal)	Front side air bag module LH signal		
Threshold	Front side air bag module LH circuit is shorted to other		
Diagnosis delay time	2 seconds or more.		

POSSIBLE CAUSE

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of front side air bag module LH
- 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