

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 Sentra SE-R OEM Service and Repair Workshop Manual

[Go to manual page](#)

1. PERFORM CONFIGURATION

Perform configuration for air bag diagnosis sensor unit.

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Refer to [Description](#).

Sample

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
		Diagnosis condition	
B1036-16	Ignition voltage	Diagnosis condition	When power switch is ON.
		Signal (terminal)	Ignition low voltage signal
		Threshold	Power supply malfunction (low voltage) of air bag diagnosis sensor unit
		Diagnosis delay time	10 seconds or more.

POSSIBLE CAUSE

- Malfunction of battery voltage (9 V or less)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Power switch ON and wait for 10 seconds or more.
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 BATTERY VOLTAGE

Check battery voltage. Refer to [Work Flow](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace the malfunctioning parts.

2. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO-1>>

Damage: Replace malfunctioning harness and connector.

NO-2>>

Disconnection or looseness: Securely lock the connector.

3. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace malfunctioning harness and connector.

4. 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	
B1036-17	Ignition voltage	Diagnosis condition	When power switch is ON.
		Signal (terminal)	Ignition high voltage signal
		Threshold	Power supply malfunction (high voltage) of air bag diagnosis sensor unit
		Diagnosis delay time	3 seconds or more.

POSSIBLE CAUSE

- Malfunction of battery voltage (16 V or more)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Power switch ON and wait for 3 seconds or more.
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 BATTERY VOLTAGE

Check battery voltage. Refer to [Work Flow](#).

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Repair or replace the malfunctioning parts.

2. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO-1>>

Damage: Replace malfunctioning harness and connector.

NO-2>>

Disconnection or looseness: Securely lock the connector.

3. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Replace malfunctioning harness and connector.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

>>

INSPECTION END

DTC Description

SIEMD-7084546

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to [CAN Communication Signal Chart](#).

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
U0073-00	Control Module Communication Bus "A" Off	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	Air bag diagnosis sensor unit cannot communicate CAN communication signal.
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Power switch ON and wait for 2 seconds or more.
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

1. CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

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INSPECTION END

Sample

DTC Description

SIEMD-7084401

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to [CAN Communication Signal Chart](#).

DTC DETECTION LOGIC

DTC No.	CONSULT screen items	DTC Detection Condition	
U2112-87	CAN communication error (brake unit)	Diagnosis condition	When power switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	Air bag diagnosis sensor unit cannot communicate CAN communication signal.
		Diagnosis delay time	2 seconds or more.

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Power switch ON and wait for 2 seconds or more.
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

1. CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to [Trouble Diagnosis Flow Chart](#).

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INSPECTION END

Sample