

# Your Ultimate Source for OEM Repair Manuals

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## 2002 NISSAN Micra 3 Doors OEM Service and Repair Workshop Manual

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# DTC Diagnosis Procedure

SIEMD-7262621

Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2156	87	CAN communication error steering angel sensor	1	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted to steering angle sensor.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from steering angle sensor
				Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE


**NOTE:**

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none"> <li>Harness or connector</li> <li>CAN communication line</li> </ul>	Harness or connector

## FAIL-SAFE

The following functions are suspended.

- VDC function
- TCS function
- hill start assist function
- Brake limited slip differential (BLSD) function
- Brake assist function
- Brake force distribution function

- Cooperative regenerative brake function

Sample

## 1. PRECONDITIONING

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If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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## 2. CHECK DTC DETECTION

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 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

**CAUTION:**  
**Never operate the vehicle.**

3. Power switch ON without depressing the brake pedal.

**CAUTION:**  
**Never set the vehicle to READY.**

4. Perform self-diagnosis for “ABS”.

Is DTC “U2156-87” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

# DTC Diagnosis Procedure

SIEMD-7262624

Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U215B	87	CAN communication error (IPDM E/R)	1	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted to IPDM E/R.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from IPDM E/R.
				Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE


**NOTE:**

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none"> <li>Harness or connector</li> <li>CAN communication line</li> </ul>	Harness or connector

## FAIL-SAFE

Normal control

## 1. PRECONDITIONING

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If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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[GO TO 2](#)

## 2. CHECK DTC DETECTION

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 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

**CAUTION:**  
**Never operate the vehicle.**

3. Power switch ON without depressing the brake pedal.

**CAUTION:**  
**Never set the vehicle to READY.**

4. Perform self-diagnosis for “ABS”.

Is DTC “U215B-87” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END



# DTC Diagnosis Procedure

SIEMD-7262627

Refer to [Trouble Diagnosis Flow Chart](#).

Sample

## DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
U2212	87	CAN communication error brake unit	1	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously transmitted to electrically-driven intelligent brake unit.
				Diagnosis delay time	2 seconds or more
			2	Diagnosis condition	<ul style="list-style-type: none"> <li>Power switch is ON.</li> <li>When the power supply voltage is normal.</li> </ul>
				Signal (terminal)	CAN communication signal
				Threshold	When CAN communication signal is not continuously received from electrically-driven intelligent brake unit.
				Diagnosis delay time	2 seconds or more

## POSSIBLE CAUSE



**NOTE:**

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none"> <li>Harness or connector</li> <li>CAN communication line</li> </ul>	Harness or connector

## FAIL-SAFE

The following functions are suspended.

- hill start assist function
- Cooperative regenerative brake function
- Electric parking brake function