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1993 NISSAN Maxima OEM Service and Repair Workshop Manual

Go to manual page

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. Disconnect 12V battery cable from negative terminal.
4. Disconnect stroke sensor harness connector.
5. Disconnect electrically-driven intelligent brake unit harness connector.
6. Check the continuity between stroke sensor harness connector and electrically-driven intelligent brake unit.

Stroke sensor		Electrically-driven intelligent brake unit		Continuity
Connector	Terminal	Connector	Terminal	
B39	3	B63*1 B64*2	23	Existed
	3		2	Not existed
	3		22	Not existed
	3		8	Not existed
	2		23	Not existed
	2		2	Existed
	2		22	Not existed
	2		8	Not existed
	1		23	Not existed
	1		2	Not existed
	1		22	Existed
	1		8	Not existed
	4		23	Not existed
	4		2	Not existed
	4		22	Not existed
	4		8	Existed

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

GO TO 10.

NO>>

Repair / replace harness or connector. GO TO 12.

10. CHECK STROKE SENSOR POWER SUPPLY

1. Connect electrically-driven intelligent brake unit harness connector.
2. Connect 12V battery cable from negative terminal.
3. 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.

4. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

5. Check the stroke sensor power voltage.

+		—	Voltage
Stroke sensor			
Connector	**Terminal**		
B39	2	Ground	4.8 - 5.15 V

Is the inspection result normal?

YES>>

GO TO 11.

NO>>

Repair / replace error-detected parts. GO TO 11.

11. CHECK STROKE SENSOR GROUND CIRCUIT

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Disconnect 12V battery cable from negative terminal.
4. Disconnect stroke sensor harness connector.
5. Disconnect electrically-driven intelligent brake unit harness connector.
6. Check the continuity between stroke sensor harness connector and ground.

Stroke sensor		—	**Continuity**
Connector	**Terminal**		
B39	4	Ground	Not existed

Is the inspection result normal?

YES>>

GO TO 12.

NO>>

Repair / replace harness or connector. GO TO 12.

12. PERFORM SELF-DIAGNOSIS (4)

With CONSULT

1. Connect electrically-driven intelligent brake unit harness connector.
2. Connect 12V battery cable from negative terminal.
3. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Power switch OFF and disconnect CONSULT from data link connector.
5. 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.

6. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

7. Erase self-diagnosis result for “BRAKE”.
8. Power switch OFF and disconnect CONSULT from data link connector.
9. 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.

10. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

11. Perform self-diagnosis for “BRAKE”.

Is DTC "C18EE-96" detected?

YES>>

Replace the electrically-driven intelligent brake unit. Refer to ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT : Removal & Installation.

NO>>

INSPECTION END

SIEMD-7266814

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C18E9	01	Control module	Diagnosis condition	When power switch is ON.
			Signal (terminal)	—
			Threshold	When an internal malfunction is detected in electrically-driven intelligent brake unit (microcomputer).
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Electrically-driven intelligent brake unit

FAIL-SAFE

The following functions are suspended.

- Cooperative regenerative brake function
- e-Step function

SIEMD-7266817

1. PRECONDITIONING

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.

CAUTION:
Never operate the vehicle.

>>

GO TO 2.

2. CHECK DTC DETECTION

With CONSULT

1. Power switch OFF to ON without depressing the brake pedal.

   CAUTION:
   Never set the vehicle to READY.

2. Power switch OFF and disconnect CONSULT from data link connector.
3. 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.

4. Power switch ON without depressing the brake pedal.

   CAUTION:
   Never set the vehicle to READY.

5. Erase self-diagnosis result for “BRAKE”.
6. Power switch OFF and disconnect CONSULT from data link connector.
7. 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.

8. Power switch ON without depressing the brake pedal.

   CAUTION:
   Never set the vehicle to READY.

9. Perform self-diagnosis for “BRAKE”.

Is DTC “C18E9-01" detected?

YES>>

Refer to DTC Diagnosis Procedure.

NO-1>>

To check malfunction symptom before repair: Refer to Intermittent Incident.

NO-2>>

Confirmation after repair: INSPECTION END

SIEMD-7266819

1. CHECK 12V BATTERY

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Check the 12V battery terminal connections.
4. Check the 12V battery.

Is the inspection result normal?

YES>>

GO TO 2.

NO>>

Repair or replace error-detected parts. GO TO 2.

2. PERFORM SELF-DIAGNOSIS (1)

With CONSULT

1. Connect 12V battery cable to negative terminal.
2. Power switch OFF to ON without depressing the brake pedal.

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

3. Power switch OFF and disconnect CONSULT from data link connector.
4. 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.**

5. Power switch OFF to ON without depressing the brake pedal.

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

6. Erase self-diagnosis result for “BRAKE”.
7. Power switch OFF and disconnect CONSULT from data link connector.
8. 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.

9. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

10. Perform self-diagnosis for “BRAKE”.

Is DTC "C18E9-01" detected?

YES>>

GO TO 3.

NO>>

INSPECTION END

3. CHECK CONNECTOR TERMINALS

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Disconnect 12V battery cable from negative terminal.
4. Disconnect electrically-driven intelligent brake unit harness connector, then check for malfunctions of terminals and connections.

Is the inspection result normal?

YES>>

GO TO 5.

NO>>

Repair / replace harness, connector, or terminal. GO TO 4.

4. PERFORM SELF-DIAGNOSIS (2)

With CONSULT

1. Connect electrically-driven intelligent brake unit harness connector.
2. Connect 12V battery cable to negative terminal.
3. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Power switch OFF and disconnect CONSULT from data link connector.
5. 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.

6. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

7. Erase self-diagnosis result for “BRAKE”.
8. Power switch OFF and disconnect CONSULT from data link connector.
9. 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.

10. Power switch OFF to ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

11. Perform self-diagnosis for “BRAKE”.

Is DTC "C18E9-01" detected?

YES>>

GO TO 5.

NO>>

INSPECTION END

5. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT POWER SUPPLY AND GROUND CIRCUIT

1. Power switch OFF and disconnect CONSULT from data link connector.
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. Disconnect 12V battery cable from negative terminal.
4. Disconnect electrically-driven intelligent brake unit harness connector.
5. Check the electrically-driven intelligent brake unit power supply and ground circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

GO TO 6.

NO>>

Repair / replace harness, connector, terminal, fuse, or fusible link. GO TO 6.