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1987 NISSAN Bluebird Sedan OEM Service and Repair Workshop Manual

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6. PERFORM SELF-DIAGNOSIS (3)

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 OFF to 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 OFF to ON without depressing the brake pedal.

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

9. Perform self-diagnosis for “BRAKE”.

Is DTC "C18ED-04" detected?

YES>>

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

NO>>

INSPECTION END

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

Perform the trouble diagnosis for electrically-driven intelligent brake unit power supply and ground circuit. Refer to Diagnosis Procedure.

Is the inspection result normal?

YES>>

GO TO 2.

NO>>

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

2. CHECK WARNING BUZZER 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 the electrically-driven intelligent brake unit harness connector.
5. Disconnect buzzer harness connector.
6. Check the continuity between electrically-driven intelligent brake unit and warning buzzer.

Electrically-driven intelligent brake unit		Warning buzzer		Continuity
Connector	**Terminal**	**Connector**	**Terminal**	
B63*1 B64*2	11*1 6*2	M20	1	Existed
	19*1 13*2		1	Not existed
	11*1 6*2		2	Not existed
	19*1 13*2		2	Existed

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

GO TO 3.

NO>>

Repair / replace harness or connector.

3. CHECK WARNING BUZZER

Check the warning buzzer. Refer to Component Inspection.

Is the inspection result normal?

YES>>

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

NO>>

Replace the warning buzzer. Refer to WARNING BUZZER : Removal & Installation.

SIEMD-7267299

1. CHECK WARNING BUZZER

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 buzzer harness connector.
5. Apply voltage of 12V between warning buzzer connector terminals 1 and 2.

Condition	Warning buzzer
Voltage applied	Sound
Voltage not applied	No sound

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace the warning buzzer. Refer to WARNING BUZZER : Removal & Installation.

SIEMD-7267039

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C18F3	04	Overheat	Diagnosis condition	When power switch is ON.
			Signal (terminal)	—
			Threshold	When the control module temperature is 123 ℃ (253.4℉) to 142℃ (287.6℉) after 6.5 seconds at 123℃ (253.4℉) or more.
			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
- Boost function [Boost operation by the ABS actuator and electric unit (control unit) is activated]

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 “C18F3-04" 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-7267043

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 "C18F3-04" 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: