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1995 NISSAN Primera Sedan OEM Service and Repair Workshop Manual

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GO TO 3.

NO>>

INSPECTION END

3. 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 4.

NO>>

Repair or replace error-detected parts. GO TO 4.

4. PERFORM SELF-DIAGNOSIS (2)

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 "C18F7-08" detected?

YES>>

GO TO 5.

NO>>

INSPECTION END

5. 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 7.

NO>>

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

6. PERFORM SELF-DIAGNOSIS (3)

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” after record or print self-diagnosis results and freeze frame data (FFD).
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 "C18F7-08" detected?

YES>>

GO TO 7.

NO>>

INSPECTION END

7. 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 8.

NO>>

Repair / replace harness, connector, terminal, fuse, or fusible link. GO TO 8.

8. PERFORM SELF-DIAGNOSIS (4)

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” after record or print self-diagnosis results and freeze frame data (FFD).
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 "C18F7-08" detected?

YES ("C18F7-08")>>

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

YES (Other than "C18F7-08")>>

Check the DTC. Refer to DTC Index.

NO>>

INSPECTION END

SIEMD-7267072

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
C18F7	86	ABS communication	1	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	When a malfunction is detected in ABS actuator and electric unit (control unit) system.
				Diagnosis delay time	1 second or less
			2	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	When a malfunction is detected in brake pedal depress force.
				Diagnosis delay time	1 second or less
			3	Diagnosis condition	When power switch is ON.
				Signal (terminal)	CAN communication signal
				Threshold	When a malfunction is detected in brake caliper.
				Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- ABS actuator and electric unit (control unit)
- Brake caliper
- CAN communication line

FAIL-SAFE

The following functions are suspended.

- Cooperative regenerative brake function
- e-Step function

SIEMD-7267074

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 “C18F7-86" 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-7267075

1. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) SYSTEM

Perform self-diagnosis for “ABS”.

Is DTC detected?

YES>>

Check the DTC. Refer to DTC Index.

NO>>

GO TO 2.

2. PERFORM SELF-DIAGNOSIS (1)

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” after record or print self-diagnosis results and freeze frame data (FFD).
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 "C18F7-86" detected?

YES>>

GO TO 3.

NO>>

INSPECTION END

3. 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 4.

NO>>

Repair or replace error-detected parts. GO TO 4.

4. PERFORM SELF-DIAGNOSIS (2)

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.