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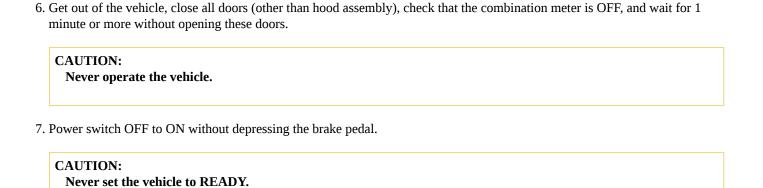
1992 NISSAN Primera Sedan OEM Service and Repair Workshop Manual

Go to manual page

CAUTION: Never set the vehicle to READY. 10. Perform self-diagnosis for "BRAKE". Is DTC "C18EC-14" 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. 5. Disconnect stroke sensor 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 stroke sensor harness connector. 3. Connect 12V battery cable to negative terminal. 4. Power switch OFF to ON without depressing the brake pedal. **CAUTION:** Never set the vehicle to READY. 5. Power switch OFF and disconnect CONSULT from data link connector.

Never operate the vehicle.

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



- 8. Erase self-diagnosis result for "BRAKE".
- 9. Power switch OFF and disconnect CONSULT from data link connector.
- 10. 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.

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

CAUTION:

Never set the vehicle to READY.

12. Perform self-diagnosis for "BRAKE".

Is DTC "C18EC-14" detected?

YES>>

GO TO 5.

NO>>

INSPECTION END

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

- 1. Connect stroke sensor harness connector.
- 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. Disconnect 12V battery cable from negative terminal.
- 5. Disconnect electrically-driven intelligent brake unit harness connector.
- 6. Check the electrically-driven intelligent brake unit power supply and ground circuit. Refer to <u>Diagnosis Procedure</u>.

Is the inspection result normal?

GO TO 6. NO>> Repair / replace harness, connector, terminal, fuse, or fusible link. GO TO 6. 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 "C18EC-14" detected? YES>> GO TO 7. NO>> INSPECTION END 7. CHECK BRAKE PEDAL HEIGHT

Is the inspection result normal?

Check each brake pedal height. Refer to BRAKE PEDAL: Periodic Maintenance Operation.

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<u>O TO 9</u> .	
J>>	
ljust each	height. Refer to BRAKE PEDAL: Periodic Maintenance Operation. GO TO 8.
. PERI	FORM SELF-DIAGNOSIS (4)
With CO	NSULT
1. Powe	er switch OFF to ON without depressing the brake pedal.
	UTION: ever set the vehicle to READY.
2. Powe	er switch OFF and disconnect CONSULT from data link connector.
	out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 ate or more without opening these doors.
	UTION: ever operate the vehicle.
4. Powe	er switch OFF to ON without depressing the brake pedal.
	UTION: ever set the vehicle to READY.
5. Erase	e self-diagnosis result for "BRAKE".
6. Powe	er switch OFF and disconnect CONSULT from data link connector.
	out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 te or more without opening these doors.
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8. Powe	er switch OFF to ON without depressing the brake pedal.
	UTION: ever set the vehicle to READY.
9. Perfo	orm self-diagnosis for "BRAKE".
OTC "C18	BEC-14" detected?
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<u>TO 9</u> .	
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9. CHECK STROKE SENSOR 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 electrically-driven intelligent brake unit.

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

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.

^{*2:} With ProPILOT Assist 2.0

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.

+			
Stroke sensor		_	Voltage
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	_	Continuity
B39	4	Ground	Not existed

Is the inspection result normal?

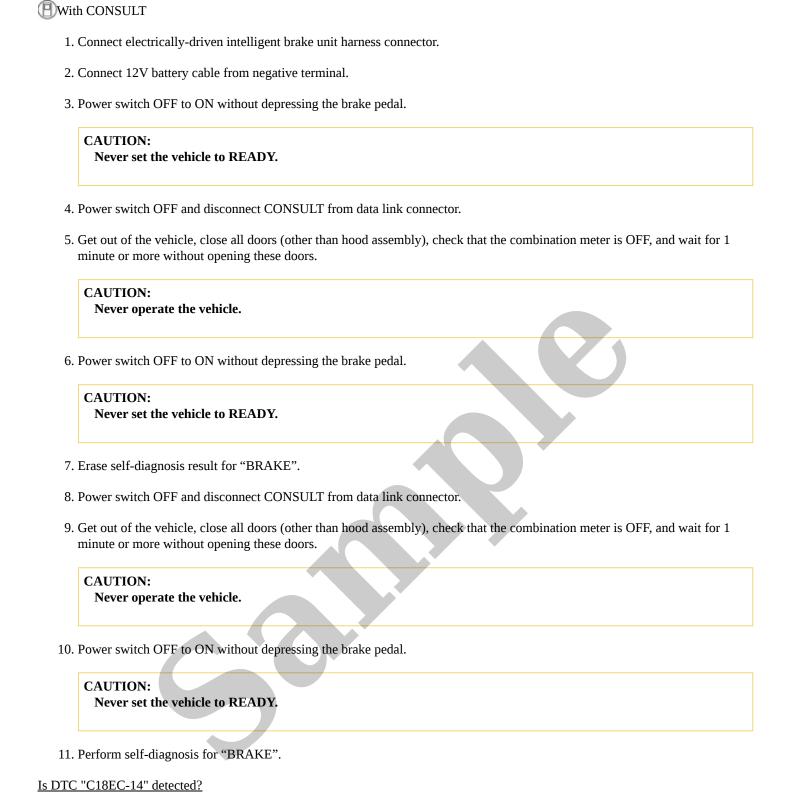
YES>>

GO TO 12.

NO>>

Repair / replace harness or connector. GO TO 12.

12. PERFORM SELF-DIAGNOSIS (4)



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

YES>>

NO>>

& Installation.

INSPECTION END

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
C18EC 1			Diagnosis condition	When power switch is ON.	
	15	Stroke sensor	Signal (terminal)	_	
	13 Stroke sellsor	Threshold	When a malfunction is detected in stroke sensor internal circuit.		
			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

(E)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 "C18EC-15" detected?