

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1994 NISSAN Primera Hatchback OEM Service and Repair Workshop Manual

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Refer to [DTC Diagnosis Procedure](#).

NO-1>>

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

NO-2>>

Confirmation after repair: INSPECTION END

Sample

1. PERFORM PROGRAMMING

 With CONSULT

Perform programming. Refer to [Work Procedure](#).

>>

[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 "C18FA-46" detected?

YES>>

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

NO>>

INSPECTION END

Sample

1. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT POWER SWITCH ON POWER SUPPLY

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. Connect 12V battery cable to negative terminal.
6. Check the voltage between the electrically-driven intelligent brake unit harness connector and ground.

+		—	Voltage
Electrically-driven intelligent brake unit			
Connector	Terminal		
B63*1 B64*2	20	Ground	Approx. 0 V

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

7. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

8. Check the voltage between the electrically-driven intelligent brake unit harness connector and ground.

+		—	Voltage
Electrically-driven intelligent brake unit			
Connector	Terminal		
B63*1 B64*2	20	Ground	10 – 16 V

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

2. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT POWER SWITCH ON POWER SUPPLY 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. Check the 10A fuse (#51).
5. Disconnect fuse block (F/B) harness connector.
6. Check the continuity between electrically-driven intelligent brake unit harness connector and fuse block (J/B) harness connector.

Electrically-driven intelligent brake unit		Fuse block (F/B)		Continuity
Connector	Terminal	Connector	Terminal	
B63* ¹	20	E57	75	Existed
B64* ²				

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

7. Check the continuity between electrically-driven intelligent brake unit harness connector and ground.

Electrically-driven intelligent brake unit		—	Continuity
Connector	Terminal		
B63* ¹	20	Ground	Not existed
B64* ²			

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

Perform trouble diagnosis for power switch ON power supply.

NO>>

Repair / replace harness, connector, or fuse.

3. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT MOTOR POWER SUPPLY

1. Power switch OFF and disconnect CONSULT from data link connector.
2. Connect 12V battery cable to negative terminal.

3. Check the voltage between the electrically-driven intelligent brake unit harness connector and ground.

Electrically-driven intelligent brake unit			Voltage
Connector	Terminal		
	+	-	
B63 ^{*1} B64 ^{*2}	1	9	10 - 16 V

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

4. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

5. Check the voltage between the electrically-driven intelligent brake unit harness connector and ground.

Electrically-driven intelligent brake unit			Voltage
Connector	Terminal		
	+	-	
B63 ^{*1} B64 ^{*2}	1	9	10 - 16 V

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

[GO TO 4.](#)

4. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT MOTOR POWER SUPPLY 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. Check the 50A fusible link (#M).

5. Check the continuity and for short circuit between harness connector terminal 1 of electrically-driven intelligent brake unit and 50A fusible link (#M).

Is the inspection result normal?

YES>>

Perform trouble diagnosis for 12V battery power supply.

NO>>

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

5. CHECK BRAKE POWER SUPPLY BACKUP UNIT 12V BATTERY POWER SUPPLY

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 brake power supply backup unit harness connector.
5. Connect 12V battery cable to negative terminal.
6. Check the voltage between brake power supply backup unit harness connector and ground.

+		—	Voltage
Brake power supply backup unit			
Connector	Terminal		
B94	6	Ground	10 – 16 V

7. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

8. Check the voltage between brake power supply backup unit harness connector and ground.

+		—	Voltage
Brake power supply backup unit			
Connector	Terminal		
B94	6	Ground	10 – 16 V

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

[GO TO 6.](#)

6. CHECK BRAKE POWER SUPPLY BACKUP UNIT 12V BATTERY POWER SUPPLY 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. Check the 30A fusible link (#62).
5. Check the continuity and for short circuit between harness connector terminal 6 of brake power supply backup unit and 30A fusible link (#62).

Is the inspection result normal?

YES>>

Perform trouble diagnosis for 12V battery power supply.

NO>>

Repair / replace harness, connector, or fusible link.

7. CHECK ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT GROUND

Check the continuity between electrically-driven intelligent brake unit harness connector and ground.

Electrically-driven intelligent brake unit		—	Continuity
Connector	Terminal		
B63*1	9	Ground	Existed
B64*2			

*1: Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 8.](#)

NO>>

Repair / replace harness or connector.

8. CHECK BRAKE POWER SUPPLY BACKUP UNIT GROUND

Check the continuity between brake power supply backup unit harness connector and ground.

Brake power supply backup unit		—	Continuity
Connector	Terminal		
B94	2	Ground	Existed

Is the inspection result normal?

YES>>

[GO TO 9.](#)

NO>>

Repair / replace harness or connector.

9. CHECK TERMINAL

1. Check electrically-driven intelligent brake unit terminals for damage or loose connection with harness connector.
2. Check fuse block (J/B) terminals for damage or loose connection with harness connector.
3. Check brake power supply backup unit terminals for damage or loose connection with harness connector.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair / replace harness, connector, or terminal.

Sample