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1991 NISSAN Maxima OEM Service and Repair Workshop Manual

Go to manual page

Refer to DTC Diagnosis Procedure.

NO-1>>

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

NO-2>>

Confirmation after repair: INSPECTION END

CAUTION:
Never check between wheel sensor harness connector terminals.

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

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 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 ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

10. Perform self-diagnosis for “BRAKE”.

Is DTC "B14E2–4A" detected?

YES>>

GO TO 3.

NO>>

INSPECTION END

3. REPLACE WHEEL SENSOR

1. Replace the rear left wheel sensor. Refer to REAR WHEEL SENSOR : Removal & Installation.
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 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 ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

10. Perform self-diagnosis for “BRAKE”.

Is the display result "B14E2-4A" of “CRNT”?

YES>>

Replace the electrically-driven intelligent brake unit. Refer to Removal and Installation.

NO>>

INSPECTION END

SIEMD-7200420

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition		
B14E2	64	Wheel sensor	1	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When difference between the rear left wheel sensor and the wheel speed other than the rear left wheel sensor is 6 km/h (4 MPH) or more [when driving 100 km/h (62 MPH) or less].
				Diagnosis delay time	18 seconds or more
			2	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When difference between the rear left wheel sensor and the wheel speed other than the rear left wheel sensor is 6% or more [when driving 100 km/h (62 MPH) or less].
				Diagnosis delay time	1 second or less
			3	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When a malfunction is detected in rotation speed of rear left wheel sensor.
				Diagnosis delay time	1 second or less
			4	Diagnosis condition	Power switch is ON.
				Signal (terminal)	Rear left wheel sensor signal
				Threshold	When rear left wheel sensor is different rotation direction from wheel sensor other than rear wheel left.
				Diagnosis delay time	1 second or less

POSSIBLE CAUSE

- Rear left wheel sensor
- Electrically-driven intelligent brake unit

FAIL-SAFE

The following functions are suspended.

- Cooperative regenerative brake function
- e-Step function

SIEMD-7200421

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 “B14E2–64" 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

CAUTION:
Never check between wheel sensor harness connector terminals.

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 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 ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

10. Perform self-diagnosis for “BRAKE”.

Is DTC "B14E2–64" detected?

YES>>

GO TO 3.

NO>>

INSPECTION END

3. CHECK WHEEL SENSOR

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 negative terminal.
4. Check the rear left wheel sensor for damage.

Is the inspection result normal?

YES>>

GO TO 5.

NO>>

GO TO 4.

4. REPLACE WHEEL SENSOR (1)

With CONSULT

1. Replace the rear left wheel sensor. Refer to REAR WHEEL SENSOR : Removal & Installation.
2. Connect 12V battery 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.