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.

1986 NISSAN Bluebird Hatchback OEM Service and Repair Workshop Manual

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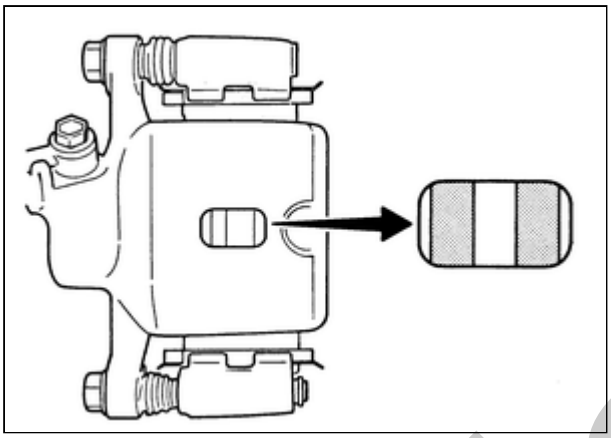
RPR-001824837

Brake pad wear inspection

Check the brake pad thickness from the inspection hole in the cylinder body. Use a scale to check if necessary.



RPR-001824837-01-RA0010D

Wear limit thickness	: Refer to Front Disc Brake.

ADJUSTMENT

If the brake pad is ground or replaced, or if there is an abnormal feel to the braking force, follow the procedure below and perform break-in work.

CAUTION:

- **Because the brake effectiveness is reduced, pay sufficient attention to the vehicle speed.**
- **Perform checks on a safe road and be careful of the traffic conditions.**

1 Drive on straight and flat roads.

2 Stop the vehicle by depressing the brake pedal to generate braking force that stops the vehicle in 3 to 5 seconds.

3 Cool the brakes.

4 Repeat steps 1 to 3 until the abnormal feel in braking force disappears.

RPR-001824834

INSPECTION

Appearance

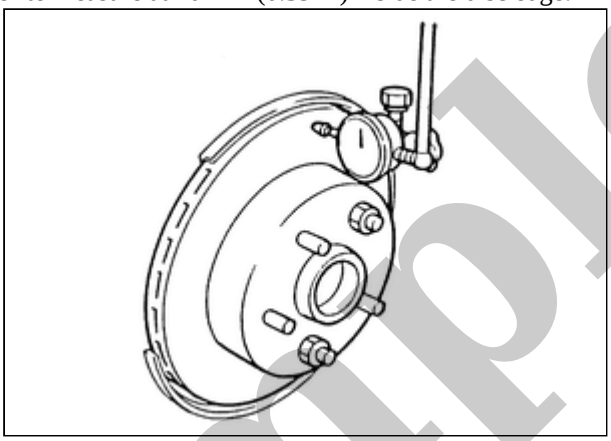
Check surface of disc rotor for uneven wear, cracks, and serious damage. Replace it if necessary. Refer to Removal and Installation.

Runout

1 Fix the disc rotor to the wheel hub and bearing assembly with wheel nuts (2 points at least).

2 Check the wheel bearing axial end play. Refer to Inspection.

3 Inspect the runout with a dial indicator to measure at 10 mm (0.39 in) inside the disc edge.



RPR-001824834-01-BR019B

Runout (with it attached to the vehicle)	: Refer to Rear Disc Brake.

4 Find the installation position that has a minimum runout by shifting the disc rotor-to-wheel hub and bearing assembly installation position by one hole at a time if the runout exceeds the limit value.

5 Refinish the disc rotor if the runout is outside the limit even after performing the above operation.

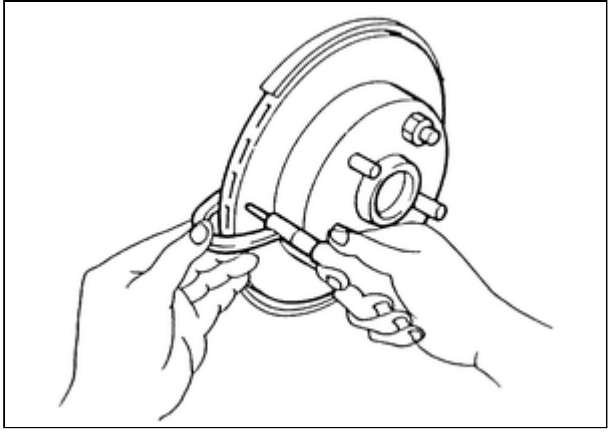
CAUTION:

- **Check in advance that the thickness of the disc rotor is wear thickness + 0.3 mm (0.012 in) or more.**
- **If the thickness is less than wear thickness + 0.3 mm (0.012 in), replace the disc rotor. Refer to Removal and Installation.**

Wear thickness	: Refer to Rear Disc Brake.

Thickness

Check the thickness of the disc rotor using a micrometer. Replace the disc rotor if the thickness is below the wear limit. Refer to Removal and Installation.



RPR-001824834-02-BR020B

Wear thickness	: Refer to Rear Disc Brake.

ADJUSTMENT

Burnish contact surfaces between disc rotors and brake pads according to the following procedure after refinishing or replacing disc rotor, or if a soft pedal occurs at very low mileage.

CAUTION:

- **Be careful of vehicle speed because the brake does not operate firmly/securely until pad and disc rotor are securely fitted.**
- **Only perform this procedure under safe road and traffic conditions. Use extreme caution.**

1 Drive vehicle on straight, flat road.

2 Depress brake pedal with the power to stop vehicle within 3 to 5 seconds until the vehicle stops.

3 Drive without depressing brake for a few minutes to cool the brake.

4 Repeat steps 1 to 3 until pad and disc rotor are securely fitted.

RPR-001824830

INSPECTION

Appearance

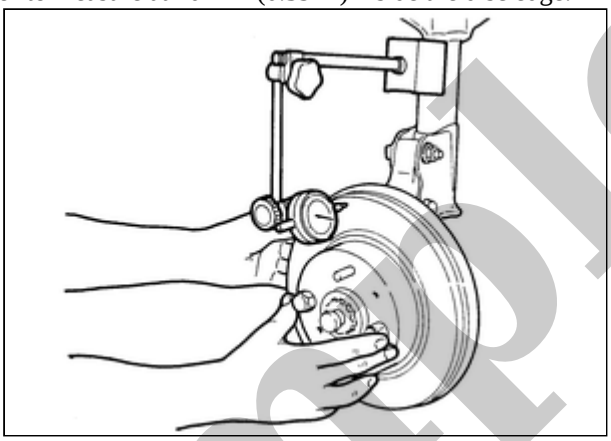
Check surface of disc rotor for uneven wear, cracks, and serious damage. Replace it if necessary. Refer to Removal and Installation.

Runout

1 Fix the disc rotor to the wheel hub and bearing assembly with wheel nuts (2 points at least).

2 Check the wheel bearing axial end play. Refer to Inspection.

3 Inspect the runout with a dial indicator to measure at 10 mm (0.39 in) inside the disc edge.



RPR-001824830-01-RA0013D

Runout (with it attached to the vehicle)	: Refer to Front Disc Brake.

4 Find the installation position that has a minimum runout by shifting the disc rotor-to-wheel hub and bearing assembly installation position by one hole at a time if the runout exceeds the limit value.

5 Refinish the disc rotor if the runout is outside the limit even after performing the above operation.

CAUTION:

- **Check in advance that the thickness of the disc rotor is wear thickness + 0.3 mm (0.012 in) or more.**
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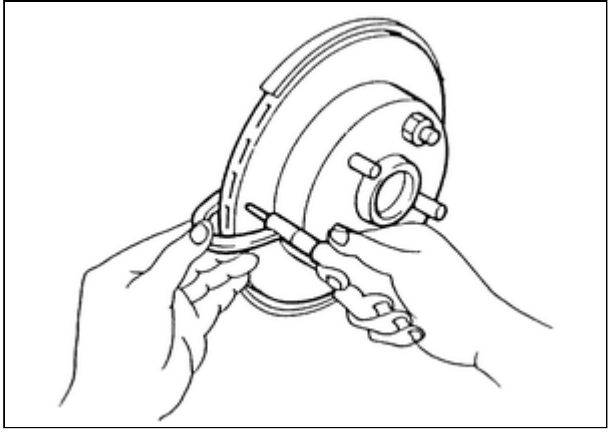

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1 Drive vehicle on straight, flat road.

2 Depress brake pedal with the power to stop vehicle within 3 to 5 seconds until the vehicle stops.

3 Drive without depressing brake for a few minutes to cool the brake.

4 Repeat steps 1 to 3 until pad and disc rotor are securely fitted.

Brake Fluid Leakage

Check for brake fluid leakage from the brake tube connections and the electrically-driven intelligent brake unit.

SIEMD-7262911

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C18E1	04	Motor	Diagnosis condition	When power switch is ON.
			Signal (terminal)	—
			Threshold	When a malfunction is detected in motor.
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE

Electrically-driven intelligent brake unit

FAIL-SAFE

Normal control

SIEMD-7262913

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 “C18E1-04" 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