

BRAKE PADS AND BRAKE SHOES

The brake system is instrumental in protecting the driver's and passengers' lives and is, therefore, one of the vehicle's most important systems in guaranteeing safety. Thus, the brake system is required to provide balanced high performance as part of the total system of vehicles despite different model characteristics.

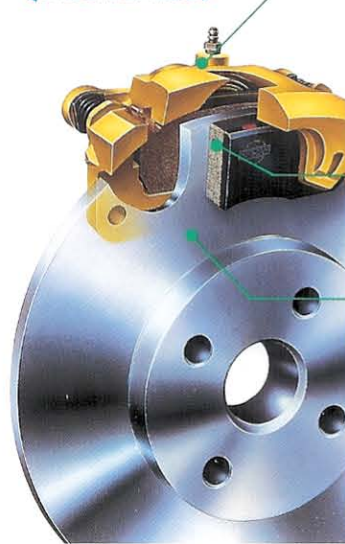
There are basically two types of brake systems to reduce speeds, disc and drum brakes. Both slow down and stop vehicles by employing hydraulic pistons to press brake pads or shoes against disc rotors or brake drums that rotate along with the wheels.

Genuine Nissan Brake Pads and Brake Shoes Feature:

Genuine Nissan brake pads or brake shoes are originally installed on your vehicle. These brake components are specially designed for your vehicle taking such characteristics as vehicles usage, vehicle weight and engine performance into full consideration. By utilizing the best material and maintaining high level of quality control, the following excellent safety and high economic performance results are obtained:

1. Excellent braking effect at high speeds.
2. Excellent fade resistance (Minimal decline in friction coefficient due to overheating).
3. Long service life owing to excellent wear resistance.
4. Best-fit material to prevent damage to disc rotors and brake drums.
5. Freedom from brake noise.

DISC BRAKES



Calipers :

Hydraulic pistons in calipers press brake pads against disc rotors. These calipers feature a function to maintain regular clearance between the brake pads and the disc rotors.

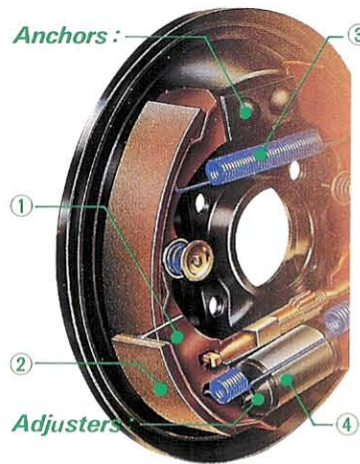
Brake Pads :

Brake pads slow down and stop the vehicle by applying friction directly to disc rotors.

Disc Rotors :

Disc rotors that rotate along with wheels are exposed to the air so that they radiate heat rapidly.

DRUM BRAKES



Anchors :

① Brake shoes :

Brake shoes slow down and stop the vehicle by applying friction to brake drums. Genuine Nissan brake shoes are treated to withstand rust and, therefore, protect other parts from corrosion. In addition, forging of them is carefully controlled to obtain smooth surface which avoid unbalanced wear of linings.

② Linings :

Linings slow down and stop the vehicle by applying friction directly to brake drums. A strong adhesive is applied between linings and brake shoes to prevent the linings from coming off.

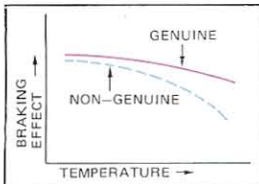
③ Return Springs :

Return springs pull depressed brake shoes back to their initial position.

④ Wheel Cylinders :

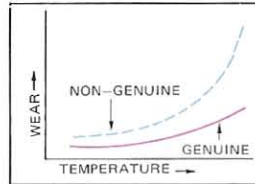
Hydraulic pistons in wheel cylinders press brake shoes against brake drums.

How Genuine Nissan Brake Pads and Brake Shoes Differ from Non-genuine:



Superior heat resistance

Excellent heat resistance of genuine Nissan brake pads and brake shoes insures stable braking effect over a wide range of temperatures.



Superior wear resistance

Excellent wear resistance even at high temperatures of genuine Nissan brake pads and brake shoes insures longer service life, which results in reduced maintenance costs.

Problems with Using Inferior Brake Pads and Brake Shoes:

1. Poor Braking Effect



With inferior brake pads and brake shoes, high temperatures due to repeated braking, wetness and braking at high speeds may lower the braking effect dramatically.

2. Increasing Total Maintenance Cost



Inferior brake pads and brake shoes can not provide good wear resistance and furthermore result in damage to disc rotors as well as brake drums.

3. Brake Noise



Inferior brake pads and brake shoes sometimes produce irritating brake noise.

CLUES FOR BRAKE PADS AND BRAKE SHOES REPLACEMENT

Brake pads and brake shoes should be inspected periodically, and they should be replaced when these inspections show such to be necessary. If you notice the following signs, you should have your brakes inspected immediately. For the specific timing of periodic brake inspections, please refer to your Owners' Manual.

All four brake pads or brake shoes on the axle involved should be replaced together to prevent brakes from pulling to one side. Periodic inspection of brake pedals, brake master cylinders and brake hoses is also essential in maintaining overall brake system performance.

1. Brakes Pull to One Side



2. Brakes Squeak



3. Brakes Drag



GENUINE NISSAN BRAKE PADS & BRAKE SHOES