

Transcript
CAA AARS Breaking Down Brakes

[Music plays throughout]

00:00:00 - 00:00:07

Ju >> Hi, name is Ju, I'm from Cochrane Automotive, and in this video, we will break down everything you need to know about brakes.

[Described video: Just stands in the auto shop]

[Text on screen: *Ju Chen; Service Manager at Cochrane Auto; CAA Approved Auto Repair Services Facility*]

00:00:07 - 00:00:14

[Music]

[Transition: Blue bars swipe across the screen]

[Described video: Split screen - The Winter Wise logo and text appear over a white and blue background; the CAA Approved Auto Repair logo appears over a blue background]

[Text on screen: *Breaking Down Brakes*]

[Transition: Blue bars swipe across the screen]

00:00:14 - 00:00:30

Ju >> There are various ways to tell when your vehicle is having brake problems. You should have your brakes looked at when the brake warning light appears on your dash, or when you feel something isn't right with your brake, whether it's low brake pedal, lack of stopping power, or pulsation, vibration or noises.

[Described video: Just stands in the auto shop]

00:00:30 - 00:00:45

Ju >> So, on this bench I have some sample rotors and pads. Why don't we start with the rotors? This is normal wear on rotors. As you can see, the reflective areas, the contact pad is quite wide.

[Described video: Ju picks up a rotor from the table next to him and points to parts of it]

00:00:45 - 00:00:50

Ju >> In winter, Ontario roads use a lot of salt, and salt increases rusting.

[Described video: A snow plow drives along a snowy road]

[Transition: Blue bars swipe across the screen]

00:00:50 - 00:00:57

Ju >> The job of the pads is to clean the surface of the rotor as you're driving, and of course, stopping your vehicle.

[Described video: Ju holds up the rotor]

00:00:57 - 00:01:07

Ju >> When a vehicle sits for a while, when you haven't driven the car for a few days after a rainy day, rust begins to build on the surface. This is very normal.

[Described video: Ju puts down the clean rotor and picks up a rusty rotor to display]

00:01:07 - 00:01:38

Ju >> Now, what's not normal is when there is too much and it's more than what the pads can clear. So, on the back side of this rotor you can see how much rust has formed up here, and this can no longer be cleaned off by the pads, at which point this ridging transfers over right onto the pad. This reduces brake life, reduces stopping power, and can actually sometimes cause noises.

[Described video: Ju displays another rotor with rust on the backside]

[Described video: Ju picks up a brake pad and displays the ridging on it]

[Transition: Blue bars swipe across the screen, revealing the CAA Calling All Neighbours logo]

00:01:38 - 00:01:52

Ju >> So, now let's talk about the pads. Here I have a brand new pad. As you can see how much material is on the pad, and the bottom part is the backing plate.

[Described video: Ju holds up a new brake pad]

00:01:52 - 00:02:10

Ju >> This is when the pad is considered worn out. You can see how little material is left on top, and the backing plate on the bottom. When your pad is down to this thickness, that's when you should be replacing your pads. When you get into the grinding noises on brakes, that means your pad's gone.

[Described video: Ju holds up a worn out brake pad]

00:02:10 - 00:02:16

Ju >> Here we just have a backing plate. There's no more pads left, just what's left over here.

[Described video: Ju holds up a worn out backing plate]

00:02:16

Ju >> This is a major safety hazard. Your stopping power will be greatly reduced on top of that terrible noise that you're going to hear.

[Described video: Ju speaks into the camera]

00:02:24 - 00:02:48

Ju >> So, brake pad replacement and/or rotor replacement isn't the only work that's required on the brake system of your vehicle. Brake service should be part of your regular maintenance. In that service, the technician would disassemble your brakes, clean off any excessive rust build up, re-lubricate, and reassemble your brakes. The interval for this is around every year, or 20,000 kilometres.

[Described video: Ju speaks into the camera]

00:02:48 - 00:02:53

Ju >> Before winter, have all your fluids checked, including coolant, by your service professional.

[Described video: Ju uses a flashlight to look under the hood of a car]

[Described video: A full fluid tank inside the car is shown]

[Described video: Ju leans into the engine area]

[Transition: Blue bars swipe across the screen]

00:02:53 - 00:03:09

Ju >> Cochrane Automotive is part of the CAA Approved Auto Repair Service Program, which ensures quality service at fair prices.

[Described video: Exterior shot of Cochrane Automotive, with the CAA Approved Auto Repair Sign]

[Described video: Ju looks at the underside of a car with a flashlight]

[Transition: Blue bars swipe across the screen]

[Described video: Ju speaks into the camera]

[Transition: Blue bars swipe across the screen]

[Described video: Text appears over a white and blue background; the Winter Wise logo is displayed upper left]

[Text on screen: *Explore caaneighbours.ca for more auto safety tips*]

[Transition: Blue bars swipe across the screen]

END OF TRANSCRIPT