

### Peugeot Recommends:

1. As braking components wear over time it is important to get your braking system checked and maintained on a regular basis.
2. You get your brake fluid replaced every two years; normally this would happen at your vehicle's scheduled service.
3. Don't forget that any braking system is only really effective with shock absorbers and tyres that are in good condition.
4. Your brakes are checked by the professionals. Our Peugeot technicians know your vehicle's braking system inside out so you can be sure they will provide you with the right advice.



### Why are brakes so important?

The braking system is your vehicle's most important safety feature, enabling you to slow down, stop and stop quickly in an emergency. Like all components, your brakes and braking performance will deteriorate over time, but because it happens gradually, many people may not notice the difference.

It is a legal requirement that your braking system is performing correctly and your brakes will be tested as part of your MOT. If the braking system is not up to standard your vehicle will fail.

It is therefore vital that your braking system is regularly checked and maintained to an optimum level, ensuring your vehicle is safe and to avoid potential costly repairs.



www.peugeot.co.uk

DEALER STAMP

### Why choose a Peugeot Dealership?

- **Technical expertise:** all Peugeot technicians are highly trained and regularly reassessed
- **The best equipment:** Peugeot technicians have access to the latest specialist tools and diagnostic equipment specifically designed for working with Peugeots
- **Resale value:** a full manufacturer's service and repair history may maximise the resale value of your Peugeot
- **Peugeot parts:** Peugeot technicians use parts made specifically for Peugeots, which are designed and manufactured to our exacting standards

# BRAKES

ALL YOU NEED TO KNOW



Issued by  
Peugeot Motor Company PLC,  
Pinley House, 2 Sunbeam Way,  
Coventry CV3 1ND

MCP3461 December 2010 PEU0930



## The Braking System

Braking systems are complex and involve a number of different components, including:

### Brake Discs

- The brake disc is a device for slowing or stopping the rotation of a wheel while it is in motion
- Brake discs are sensitive components and come under significant stress during braking
- For your brake pads to work at maximum efficiency, your brake discs need to be in perfect condition
- If the disc is deeply scored, glazed, cracked or rusty, replace them immediately
- You must always replace both discs on the same axle to avoid unequal braking
- Peugeot recommend that discs are checked each time the pads are changed

### Brake Pads

- The material which the pads are made from is softer than the discs and will therefore wear out more quickly
- Worn pads can damage the brake disc
- Have your brake pads replaced when the thickness of the material is worn down to 2mm
- Brake pads should be replaced on both wheels on the same axle to prevent asymmetrical braking

## Brake Drums and Shoes

- This is another type of brake where the friction is caused by a set of brake shoes pressing against a rotating drum-shaped part called a brake drum
- When brake drums are replaced, the brake shoes, wheel cylinders and springs should also be replaced because they are subjected to the same type of pressure as a brake pad
- The brake shoes should be replaced as soon as the thickness of the lining is less than 1.5mm

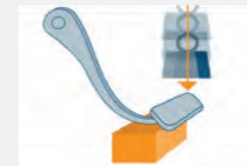
## Brake Fluid

- Braking components are linked by a series of hoses and pipes containing brake fluid
- Brake Fluid is a vital part of the braking system and the vehicle's anti-lock braking system
- Over time, brake fluid deteriorates. Unfortunately, it is also one of the most overlooked vehicle fluids
- It should be regularly changed at least every two years to ensure that the braking system is not affected
- If it falls below the MIN level in the reservoir (or if the brake warning light comes on), brake fluid should be added up to the MAX level
- If your brake fluid needs topping up regularly, you should have your braking system checked by your Peugeot Authorised Repairer for possible leaks

## What are the signs there is a problem with my brakes?



**The brake warning light comes on**  
If the brake fluid level is too low or the pads are badly worn. (The brake warning light also comes on when the handbrake is applied).



**The brake pedal is stiff**  
If you have to press hard to brake it may be caused by a failure in the servo assisted braking unit, hydraulic pipes, wheel cylinders or callipers.



**The brake pedal is soft**  
If the brake pedal becomes 'spongy' or has no resistance and you have to 'pump' the pedal to brake, then it's a clear sign that there is a serious fault in the hydraulic system.



**The car pulls to one side**  
If the car is pulling to one side it may be that a wheel cylinder or a calliper is seized up or quite simply a tyre may be under-inflated. Worn shock absorbers can cause the same effect.



**The vehicle 'judders' when braking**  
This indicates a problem with the discs, the linings or that one of the brake parts is loose or broken.



**Vibration**  
On braking, the brake pedal, steering wheel and sometimes the whole vehicle starts to vibrate: the brake discs are probably faulty, or there is a loose part or excessive play in the front or rear suspension.

**If you experience any of the above, contact a Peugeot Authorised Repairer as soon as possible to arrange for them to check the condition of your braking system.**

**Important:** even if you do not experience any of the above symptoms, you should ensure that your brakes are still regularly checked and maintained.