

REAR AXLE COMPONENTS: PRECAUTIONS FOR THE REPAIR



Note, one or more warnings are present in this procedure



1. SAFETY

1- ADVICE TO BE FOLLOWED BEFORE ANY OPERATION

For an operation requiring the use of a lift, follow the safety advice [Vehicle: Towing and lifting](#) (02A, Lifting equipment).

2- INSTRUCTIONS TO BE FOLLOWED DURING THE OPERATION

Do not press on the brake pedal during work on the brake system.

If, during work on the brake system, any damage on any part is observed, it must be repaired before driving the vehicle again.

Brake fluid is highly corrosive. Ensure any brake fluid spilt on parts of the vehicle is cleaned off.

In case of incorrect handling, the brake fluid can cause serious injury and damage. Follow the manufacturer's instructions for brake fluid.

2. CLEANLINESS

1- ADVICE TO BE FOLLOWED BEFORE ANY OPERATION

Protect any bodywork components that risk being damaged by brake fluid with a cover.

2- INSTRUCTIONS TO BE FOLLOWED DURING THE OPERATION

Clean around the braking system with brake cleaner (see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - Products).



CAUTION

Prepare for the flow of fluid, and protect the surrounding components.

Do not allow friction materials to come into contact with grease, oil or other lubricants and cleaning products which are mineral oil based.

3. GENERAL RECOMMENDATIONS

1- BRAKING

When replacing brake pads, be sure to replace the pads on the opposite side.

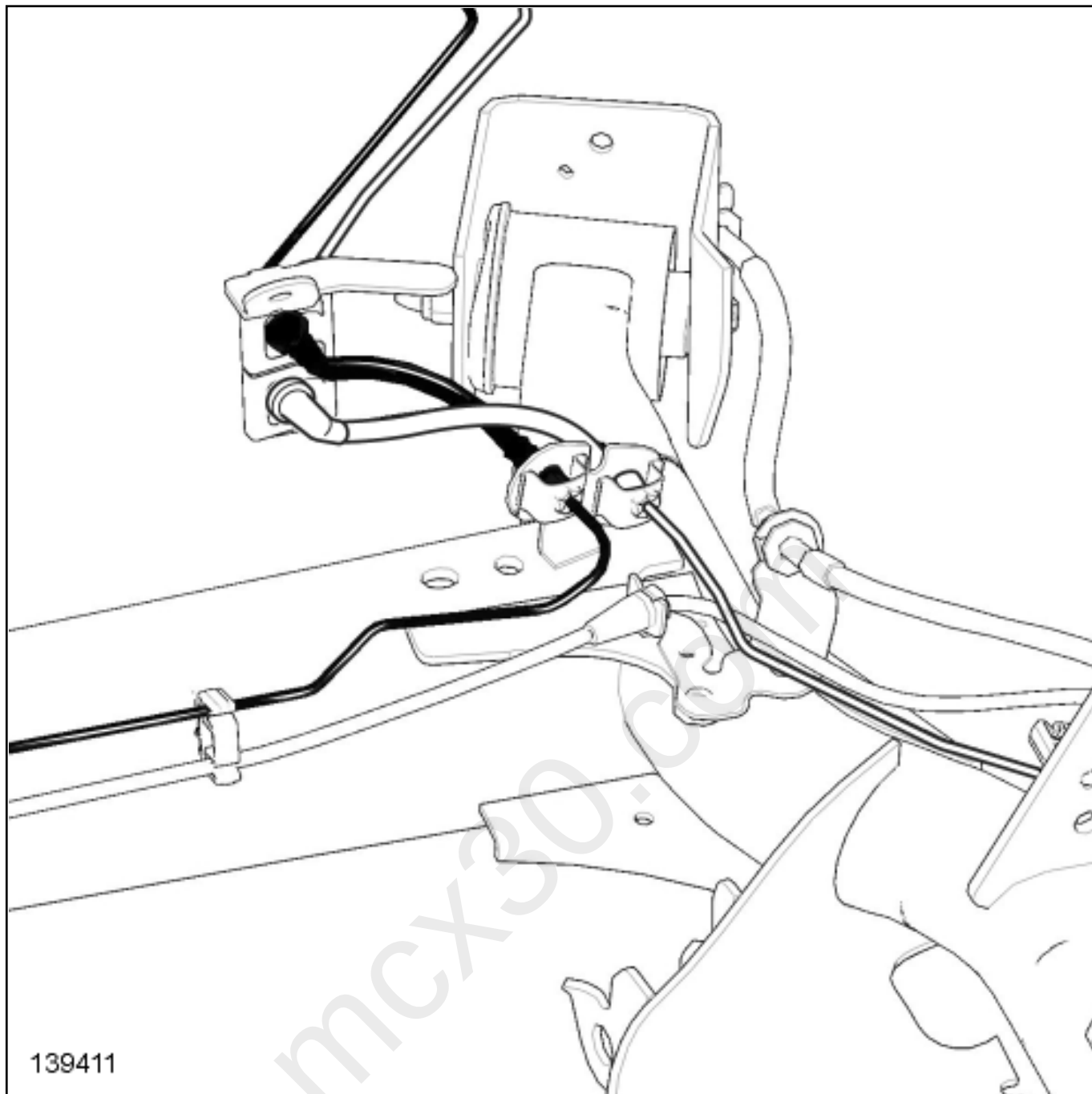
When replacing a disc, always replace the disc on the opposite side.

When replacing brake discs, you must replace the brake pads.



CAUTION

To avoid damaging the parking brake cable protectors and causing premature wear of the system, do not handle the cables with a tool.



WARNING

To ensure that the ABS and ESP systems operate correctly, check that the underbody brake pipes are clipped in place and are not crossed.



WARNING

In order not to disrupt the ESP system and cause an accident, do not swap the connection of the brake pipes and hoses.



CAUTION

- In order not to damage the brake hose:
- do not tension the hose,
 - do not twist the hose,
 - check that there is no contact with the surrounding components.



WARNING

To avoid any accident, bring the pistons, brake pads and brake discs into contact by depressing the brake pad several times.

It is essential to replace the rigid brake pipe clips.



WARNING

To avoid brake imbalance, both drums must be of the same diameter. Regrinding one drum necessitates regrinding of the opposite drum.

2- BEARING, STUB AXLE CARRIER

It is essential to check the condition of the bearing surface and the stub-axle carrier before refitting the bearing.



CAUTION

To ensure that the wheel speed sensor works properly, do not mark the sensor target on the bearing.

■ Use surface cleaner(see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - Products) to clean:

- the inner surface of the new bearing, in contact with the rear stub-axle,
- the rear stub-axle surface in contact with the new bearing.

3-SUSPENSION SPRING

When replacing the spring, make sure it is positioned the right way round.

When replacing a spring, always replace the spring on the opposite side.

During assembly and removing operations, the surface and the protection paint must not be damaged.

There must be no impacts during operations. Any handling hooks and tightening or positioning clamps should be equipped with rubber or plastic in order to avoid damage on the springs.

■ It is recommended to replace springs if:

- the paint is damaged,
- there are dents on the spring.



CAUTION

To prevent the suspension spring from prematurely breaking, do not damage the anti-corrosion protection.

4- REAR AXLE



CAUTION

To prevent any damage, do not use the rear axle as support for the lifting system.



CAUTION

To prevent the components of the rear axle from deteriorating (rubber bushes, brake hoses, etc.) do not remove the two shock absorbers at the same time. Proceed one side at a time.



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