

## Brake Pad: Service and Repair

### Rear Brake Pads

#### Brake Pads Rear, Replacing

**NOTE:** The illustrations in this service information are used for different model years and/or models. Some variation may occur. However, the essential information in the illustrations is always correct.

#### Preparations

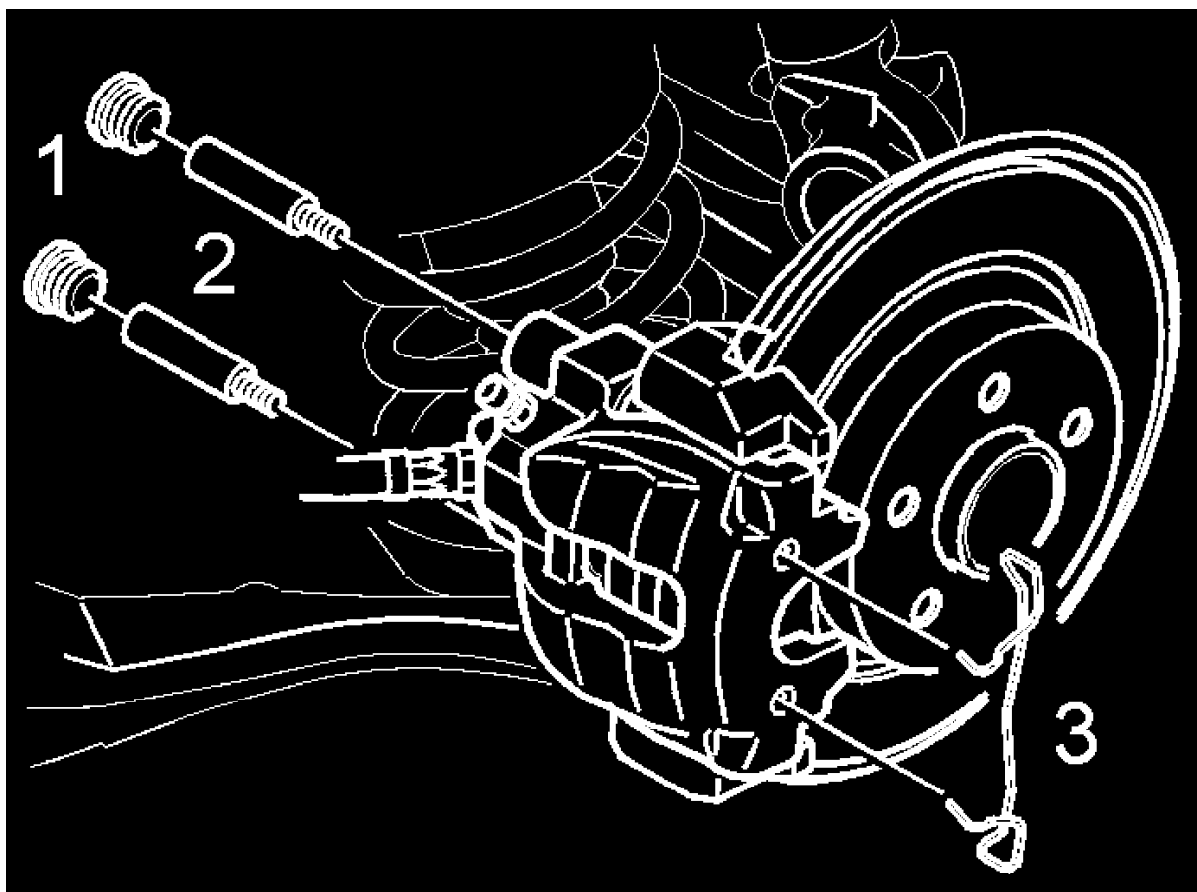
Remove the wheels on both sides.

#### Removing brake pads

**NOTE:** Minimum recommended pad thickness/replacement limit when installing new brake pads = **3.0 mm**.

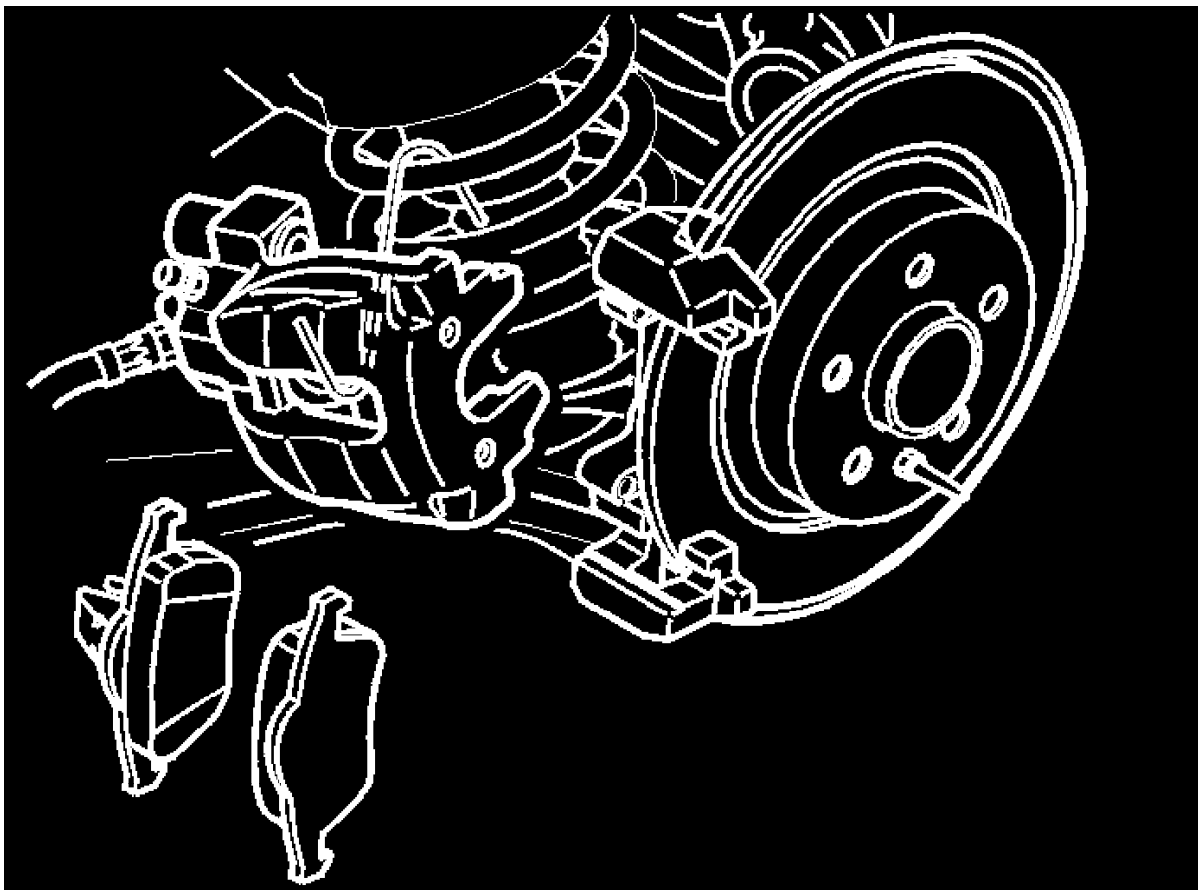
Remove the retaining springs and locating pins for the brake calipers.

#### Remove:



- the securing spring (3) carefully so that it does not deform
- the protective caps (1) from the two locating pins (2)
- the locating pins, use hex socket **7 mm**.

#### Remove:

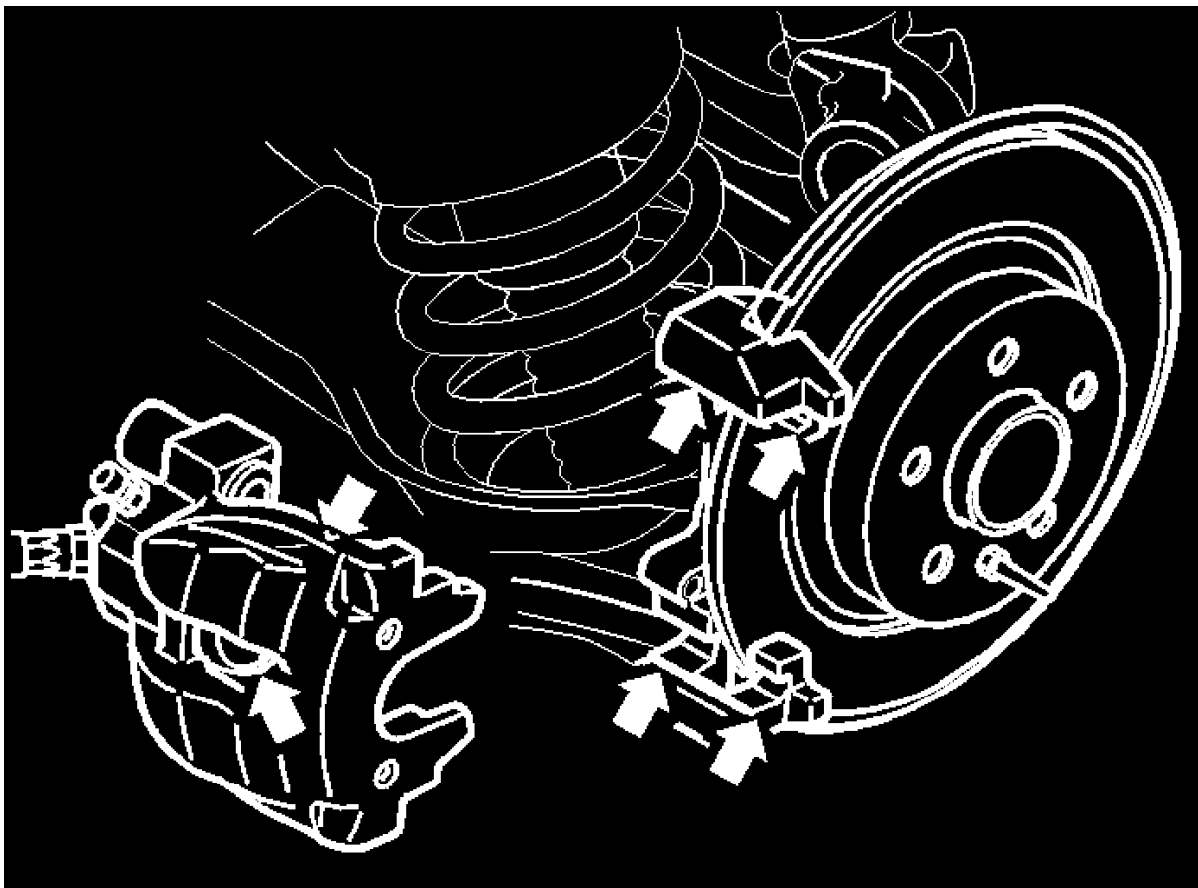


- the brake caliper from the holder
- the brake pads.

Hang the brake caliper in a steel wire from the rear spring so as not to damage the brake hose.

**NOTE:** Do not depress the brake pedal while the brake pads are removed.

#### **Cleaning the brake caliper**



Clean and check the brake caliper and dust cover.

Clean and check the brake pad mating surfaces in the brake caliper and caliper holder.

Check piston dust boot.

**NOTE:** If the dust boot is damaged dirt may have penetrated the cylinder. If this is the case the caliper must be replaced.

#### Checking the brake disc

Check brake disc friction surfaces.

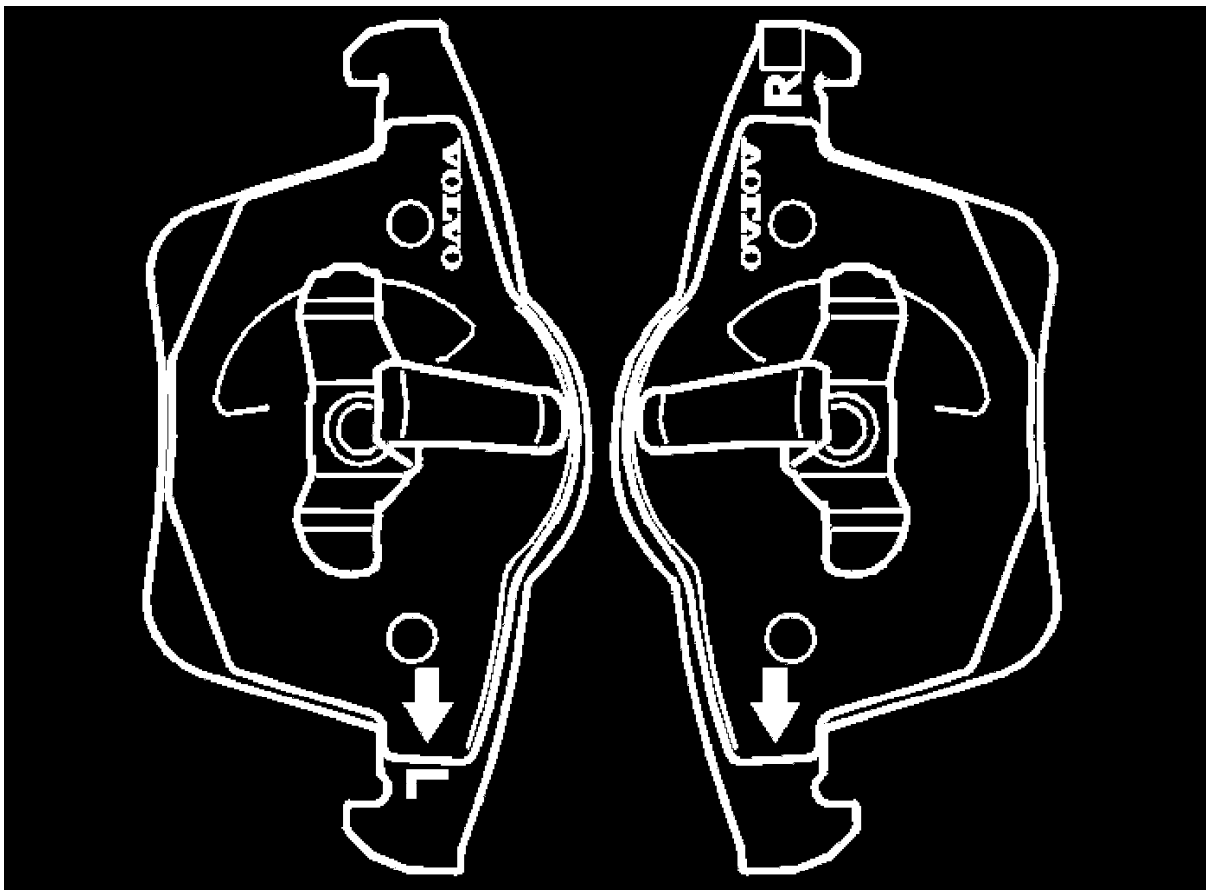
If the brake disc displays signs of out-of-true, check its lateral run out.

Replace the brake disc if it displays signs of heavy wear, variable thickness or similar.

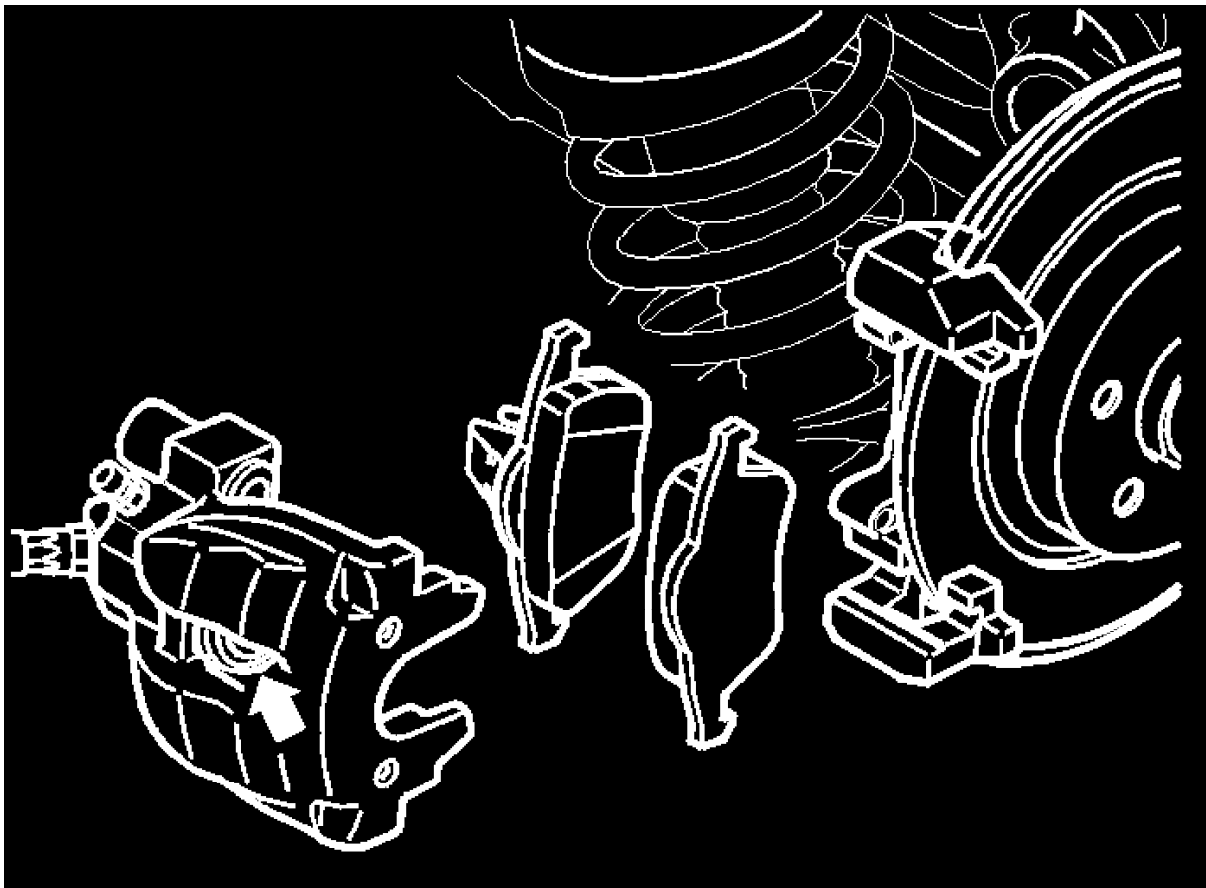
**NOTE:** Minimum disc thickness/replacement limit = **18.0 mm**. Minimum recommended disc thickness when installing new brake pads = **18.7 mm**.

#### Installation

##### Installing the brake pads



**NOTE:** The rear brake pads on the piston side for the XC90 are different on the left and right-hand sides. The brake pads are marked with an arrow indicating the direction of the disc and with an L for the left-hand side and an R for the right-hand side.

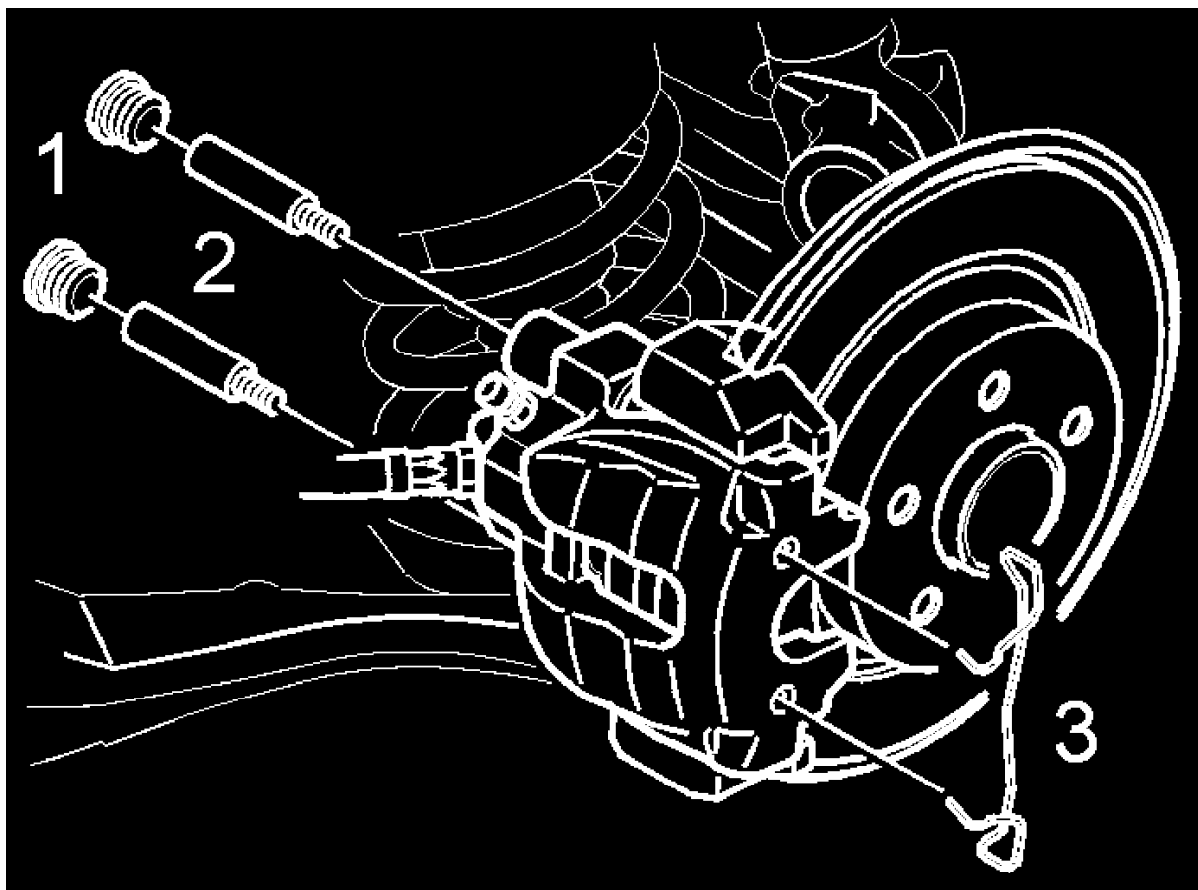


Press piston back into cylinder on brake caliper.  
Check that the dust cover is correctly positioned.

**Install:**

- new brake pads
- the brake caliper.

**NOTE:** Check the rubber sleeves of the locating pins. Replace if necessary.



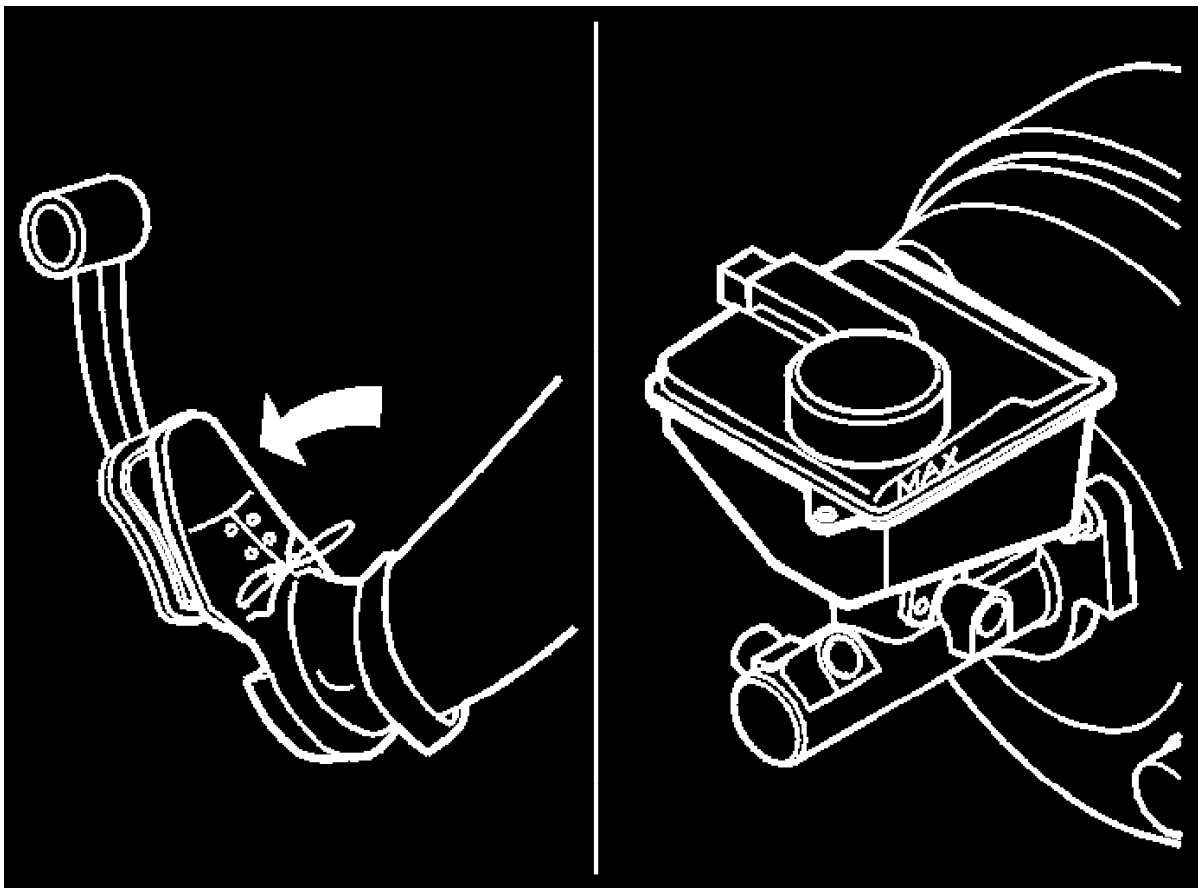
Lubricate the locating pins (2) with grease, P/N 1161325-4. Insert the locating pins into the rubber sleeves. The pins should slide into the sleeves easily.

Tighten the locating pins. Tighten.

Install protective caps (1).

Install the retaining spring (3).

**Finishing**



Check the brake fluid level in the reservoir.  
Depress the brake pedal a few times.  
Check the level of the brake fluid reservoir.  
Top up if necessary.  
Install the wheels.