



Brake Disc Vehicles With: Brembo Brakes 70.10.10

Removal

1.  **WARNING:**
BRAKE DISCS MUST ALWAYS BE REPLACED IN PAIRS.

 **WARNING:**
BRAKE DUST, IF INHALED CAN DAMAGE YOUR HEALTH. ALWAYS REMOVE BRAKE DUST USING A VACUUM BRUSH. DO NOT USE A COMPRESSED-AIR LINE TO DISPERSE BRAKE DUST INTO THE ATMOSPHERE.

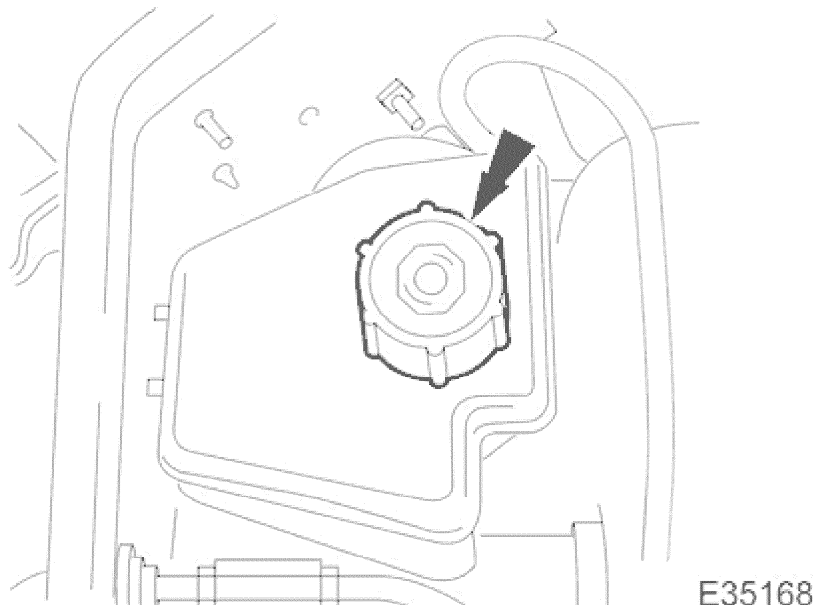
 **CAUTION:**
Replacement of nuts and bolts: Various thread-locking devices are used on nuts and bolts throughout the vehicle. These devices restrict the number of times a nut or bolt can be used. See section <<100-00>> for information.

 **CAUTION:**
When removing the caliper; remove the bolts that secure the caliper to the vertical link only. DO NOT loosen any other caliper bolts.

Open engine compartment and install paint work protection covers to fenders.

2. Raise front of vehicle and support on stands. See Section <<100-02>>.

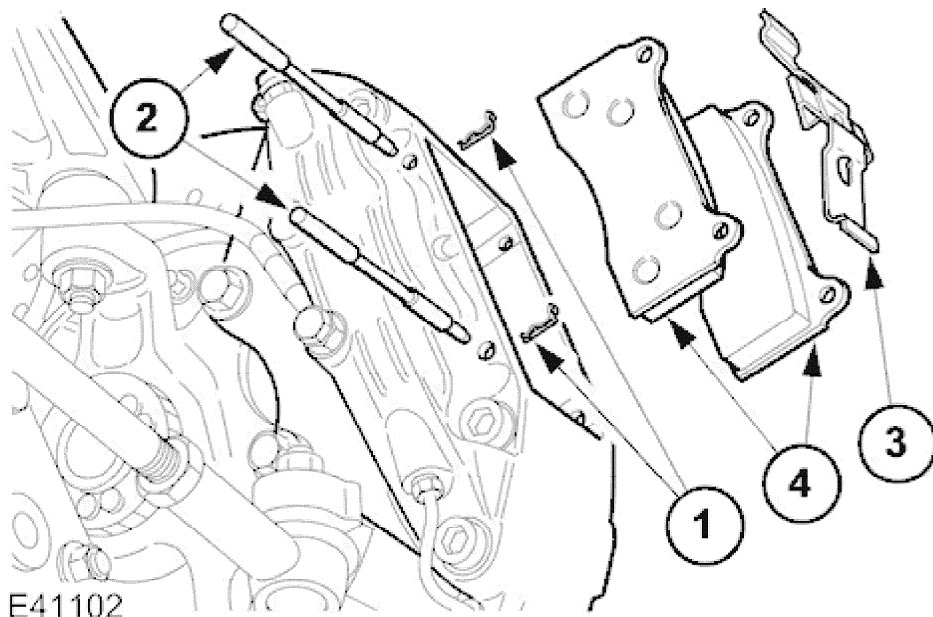
3. Remove front wheels. Refer to operation <<74.20.05>>.




4.  **CAUTION:**
Remove brake fluid spillage immediately from paint work, with clean water.

Loosen brake fluid reservoir-cap.

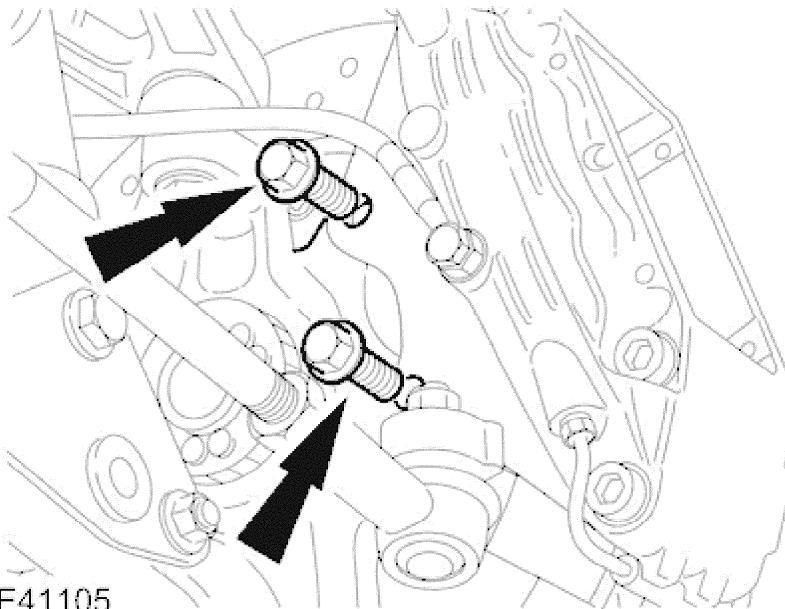
- Position a cloth around the reservoir to collect any fluid spillage.




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5.  **CAUTION:**
Always install new brake pads, irrespective of the condition of the original pads, when renewing brake discs.

- Remove brake pads from caliper.
1. Remove 'R' clips.
 2. Withdraw pins from caliper.
 3. Remove anti-rattle spring.
 4. Discard brake pads.



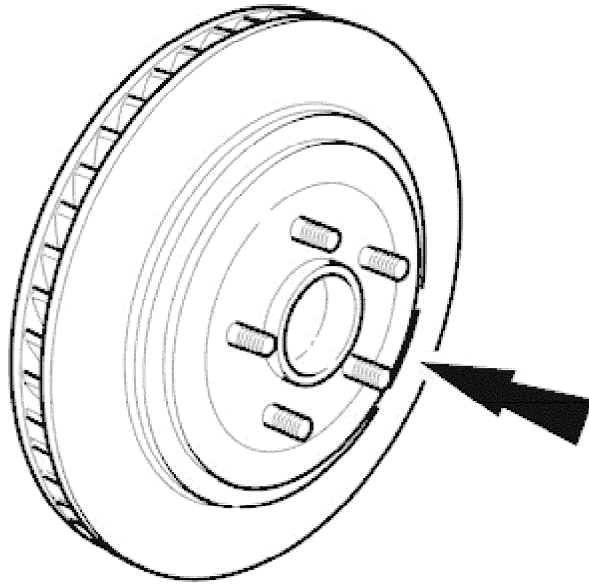
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6.  **CAUTION:**
Do not allow the caliper to hang on the hydraulic hose, as this will damage the hose.

- Remove caliper from vertical link.
- Remove bolts.

2004 XK RANGE - Front Disc Brake - 206-03

- Remove caliper and tie aside.



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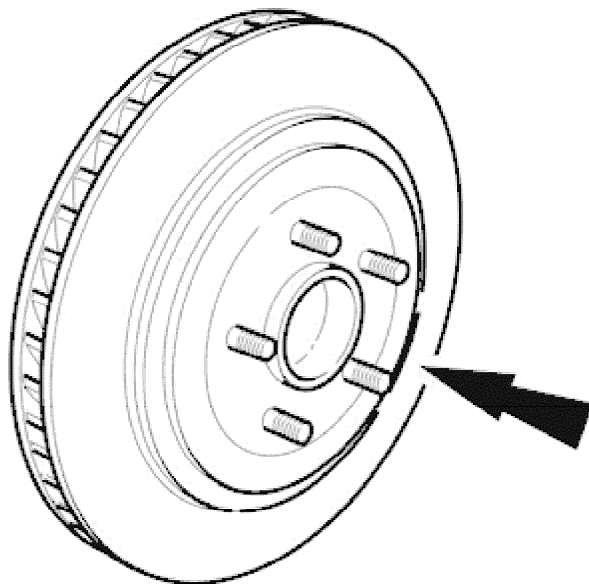
7. Remove brake disc from hub.

8. Repeat above procedure to remove opposite side brake disc.

9. Remove brake dust from calipers and clean mating surfaces, see WARNING above.

Installation

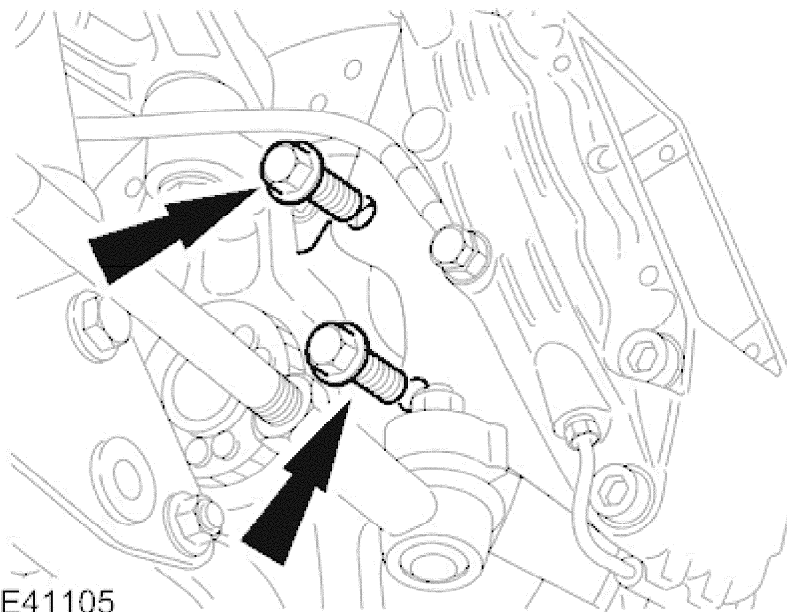
1. Thoroughly clean the mating surface areas of the hubs and brake discs.



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2. Install brake disc to hub.

3. Check brake disc run-out. Refer to General Procedures section <<206-03>>.

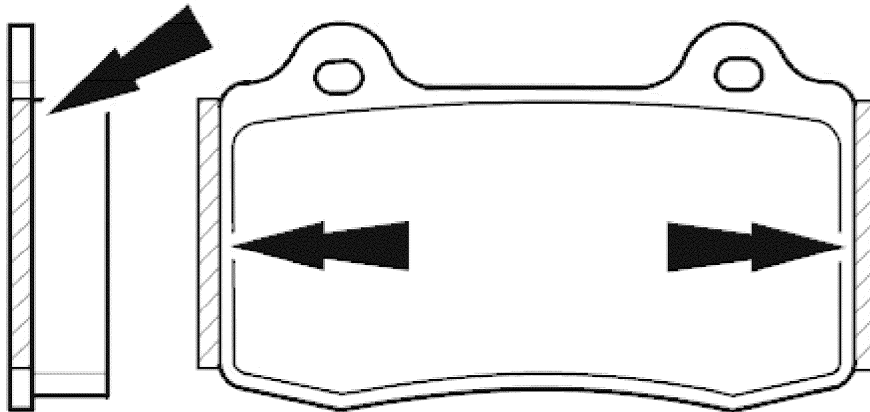


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4.  **CAUTION:**
Install new brake caliper retaining bolts. Failure to follow this instruction may result in damage to the vehicle.

Install caliper to vertical link.

- Install and tighten bolts to 180 Nm.

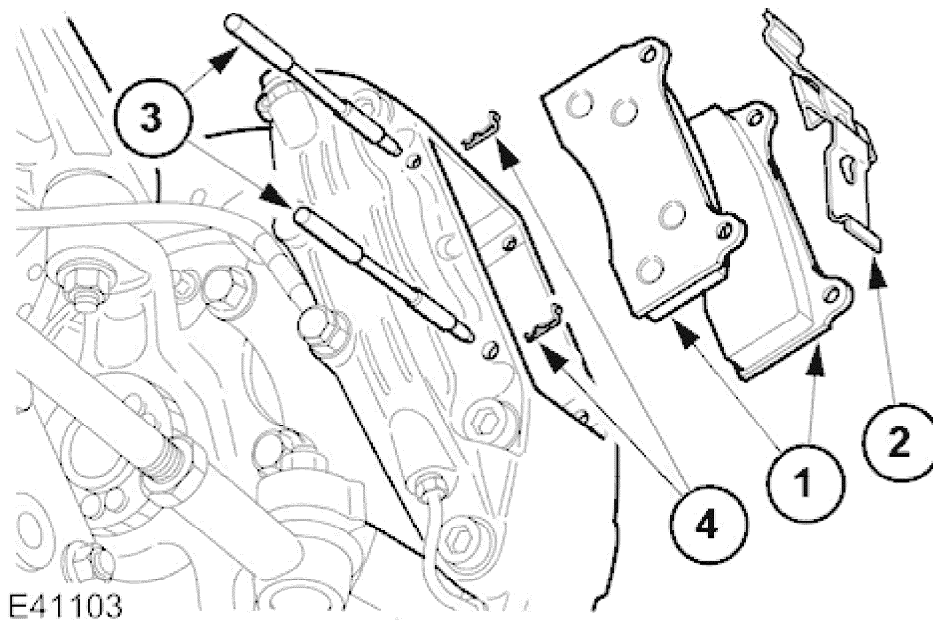



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5.  **CAUTION:**
Make sure grease does not contact brake-pad friction surface or brake disc.

To prevent brake squeal apply grease to the shoulders of the brake-pad backplate.

- Refer to Specification section <<206-04>> for grease type.
- Apply a uniform layer of grease to backplate shoulders, making sure the whole shoulder is covered.



6.  **CAUTION:**
Retracting the caliper piston may cause the fluid reservoir to over-flow. Remove brake fluid spillage immediately from paint work, with clean water.

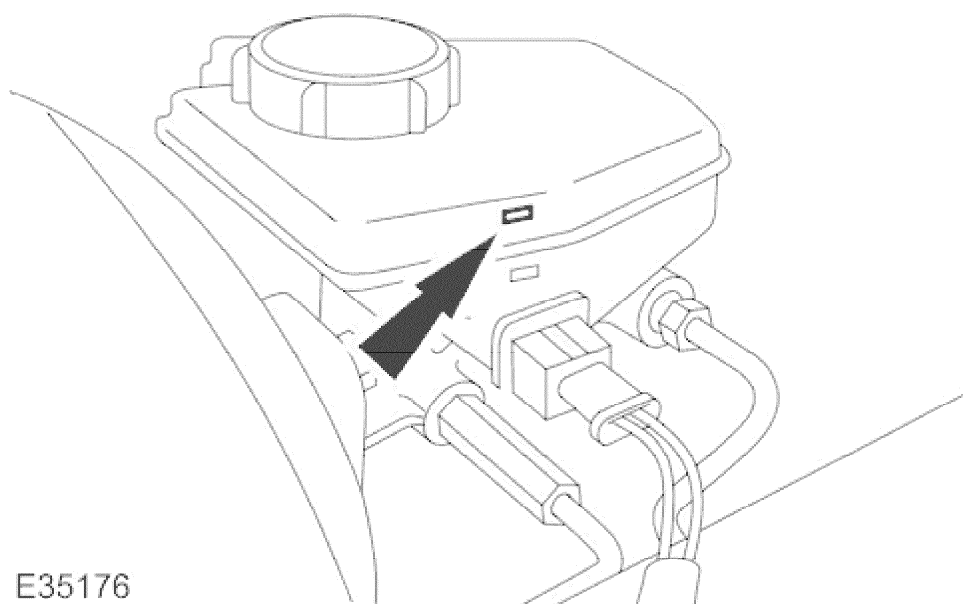
 **CAUTION:**
Make sure the brake pads are installed to the correct orientation.

 **CAUTION:**
Note the condition of pins and 'R' clips and replace if necessary.

NOTE:
Slowly retract caliper pistons.

Install brake pads into caliper housing.

1. Install pads.
 2. Position anti-rattle spring.
 3. Install pins.
 4. Install 'R' clips.
7. Repeat above procedure to install opposite side brake disc.
8. Fit wheels. Refer to operation <<74.20.05>>.
9. Remove stands and lower vehicle. Refer to section <<100-02>>.



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10.  **CAUTION:**
Remove brake fluid spillage immediately from paint work, with clean water.

Check brake fluid level.

- Check brake fluid level is at the maximum mark.
- Remove cloth.
- Fit cap.

11. Remove paint work protection covers, and close engine compartment.

12. Start the engine and repeatedly press the brake pedal until brake pressure is evident.