

BRAKES

Shoes/pads - front - set

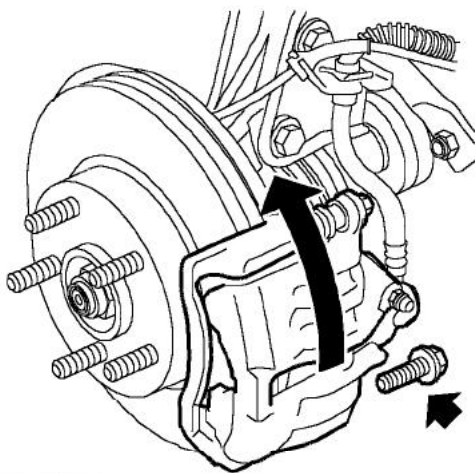
🔑 70.40.02

Remove

1. Raise front of vehicle.

WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

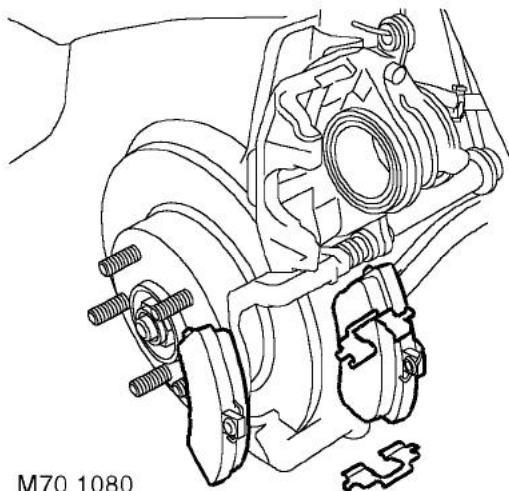
2. Remove front road wheel.



M70 1079

3. Remove lower guide pin bolt from calliper and pivot calliper housing upwards.

WARNING: Brake pads must be renewed in axle sets only, otherwise braking efficiency may be impaired.



M70 1080

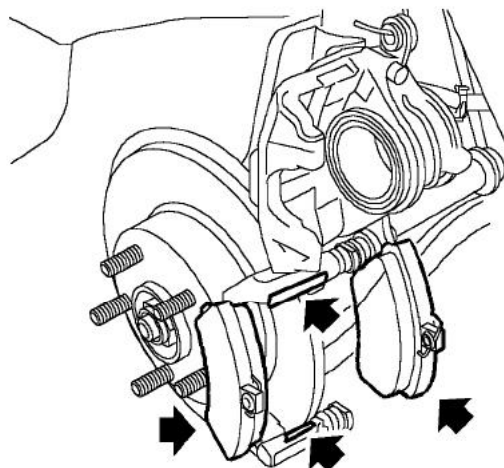
4. Remove brake pads and retainers from calliper brackets.

Refit

1. Rotate disc by hand and scrape all scale and rust from around edge of disc.
2. Scrape rust from pad locating surfaces on calliper.
3. Clean dust from callipers using brake cleaning fluid.

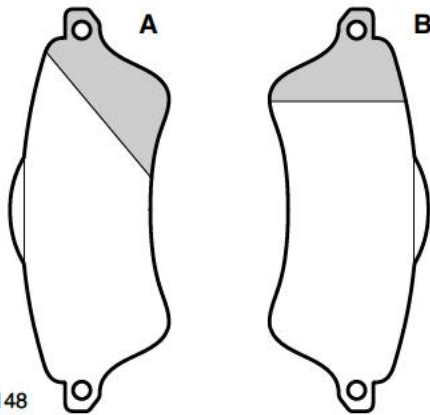
WARNING: Do not use an air line to blow dust from brake assembly. Do not use petroleum based fluid as damage will occur to rubber components.

4. Position bleed bottle, connect bleed hose to bleed screw and loosen screw.
5. Press piston back into housing and tighten bleed screw to 10 Nm (7.5 lbf.ft).
6. Disconnect bleed hose and remove bottle.



M70 1081A

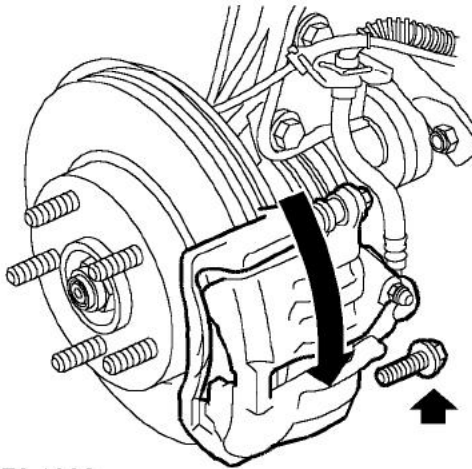
7. Fit pad retainers to calliper bracket.



M70 1148

8. Fit pads to calliper bracket.

The leading edge of the pads have chamfers on them, the chamfers are asymmetric. It is imperative that the pads are correctly fitted. Pad 'A' in illustration must be fitted to the inboard side of the calliper. Pad 'B' must be fitted to the outboard side of the calliper. Illustration shows a LH pair of pads.



M70 1082

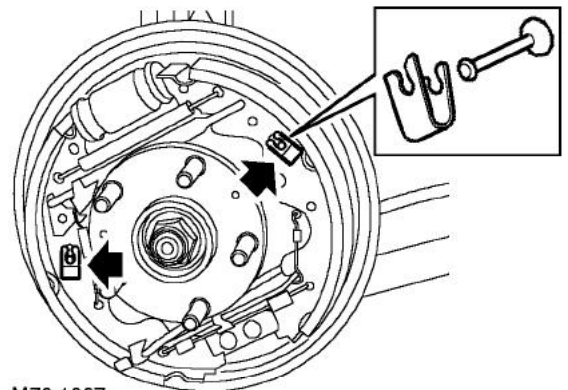
9. Lower calliper housing over pads.
10. Ensure flats on guide pins locate with lugs on calliper housing. Fit bolts and tighten to 27 Nm (20 lbf.ft).
11. Repeat procedure for other side.
12. Fit road wheel(s) and tighten nuts to 115 Nm (85 lbf.ft).
13. Remove stands and lower vehicle.
14. Depress brake several times to set pad to disc clearance.
15. Check and top-up brake fluid.

Brake Shoes - rear set

70.40.09

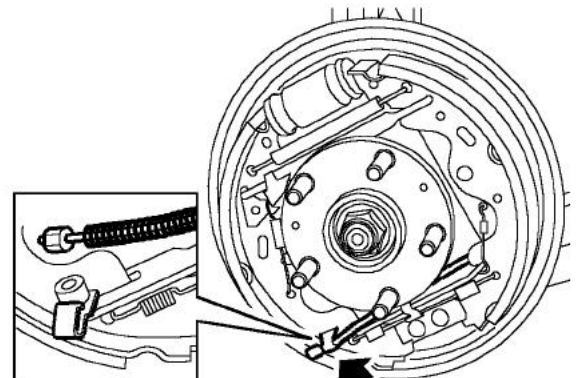
Remove

1. Raise rear of vehicle.
WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.
2. Remove rear road wheels.
3. Remove rear brake drums.
 BRAKES, REPAIRS, Drum - rear.



M70 1037

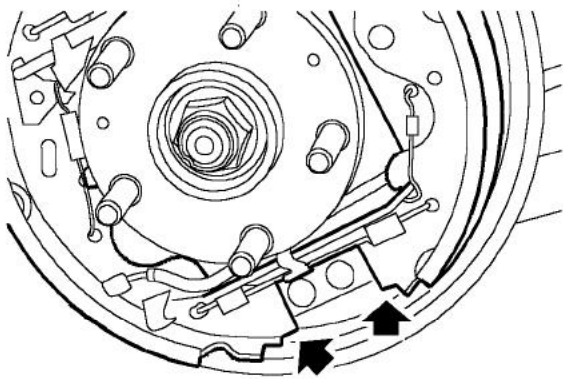
4. Depress brake shoe clips and turn to release, remove 2 clips and 2 retaining pins.



M70 1038

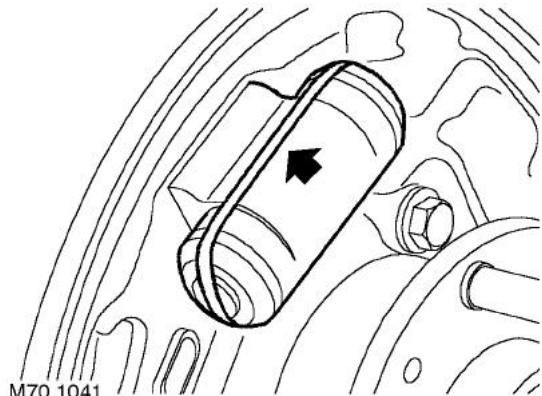
5. Release handbrake cable from brake shoe lever.

BRAKES



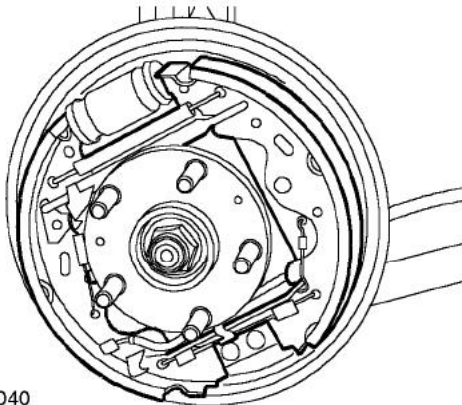
M70 1039

6. Ease one brake shoe out of retaining groove in abutment followed by the other shoe.



M70 1041

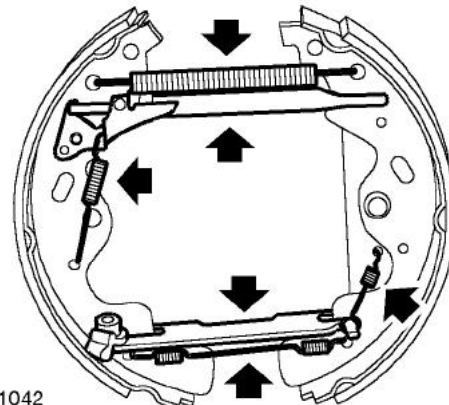
8. Fit an elastic band around wheel cylinder to retain pistons.



M70 1040

7. Manoeuvre brake shoe assembly around wheel cylinder and rear hub and remove brake shoe assembly.

CAUTION: Ensure edges of brake shoes do not damage wheel cylinder dust covers.



M70 1042

9. Noting their fitted position, release and remove return springs. Collect adjuster and expander.
10. Clean backplate and drum with brake cleaning fluid.

WARNING: Do not use petroleum based fluid as damage will occur to rubber components

11. Use a wire brush to remove any corrosion, take care not to damage wheel cylinder covers.

WARNING: Do not use compressed air to clean brake components. Dust from friction materials can be harmful if inhaled.

12. Inspect all parts for wear or damage.
13. Examine wheel cylinder dust seals for signs of brake fluid leakage, a certain amount of dampness is usual. However, if excessive fluid is apparent, lift dust seals and check for leakage. Renew wheel cylinders and brake shoes if linings are contaminated.



14. Check wheel cylinder pistons for freedom of movement.
15. Check brake adjuster threads, nut and handbrake linkage for wear. Renew if necessary.
16. Check condition of return springs and renew if necessary.
17. Ensure brake adjuster is fully off.

Refit

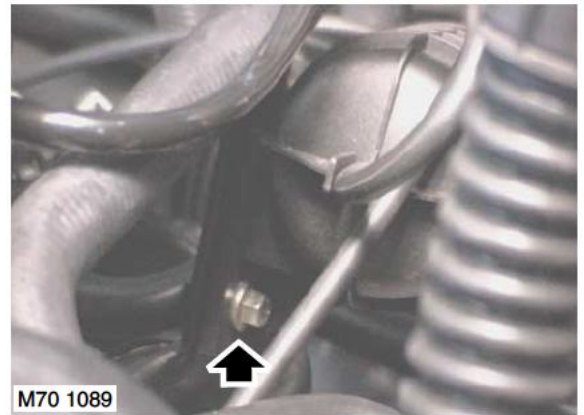
1. Position adjuster and expander to brake shoes and fit return springs.
2. Smear brake shoe contact points with Molykote 111 grease.
3. Remove elastic band from wheel cylinder.
4. Manoeuvre brake shoes around rear hub and locate to abutment and wheel cylinder.
5. Fit brake shoe retaining pins and secure with clips.
6. Connect hand brake cable to brake shoe lever.
7. Fit brake drum.
 - 👉 **BRAKES, REPAIRS, Drum - rear.**
8. Apply brake pedal a min. of 30 times to ensure full adjustment of rear brake shoes after refitting.
9. Fit road wheel(s) and tighten nuts to 115 Nm (85 lbf.ft).
10. Remove stands and lower vehicle.

Servo assembly - LHD

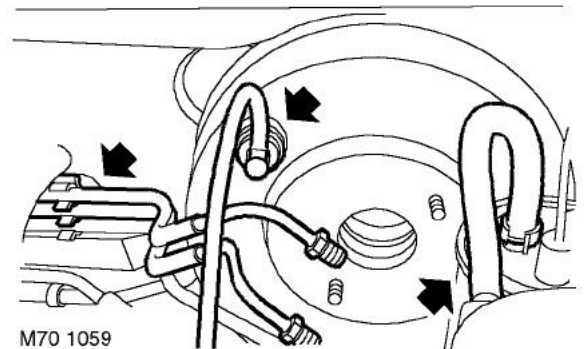
🔑 70.50.01

Remove

1. **Td4 models:** Remove air cleaner element
 - 👉 **FUEL DELIVERY SYSTEM - DIESEL, REPAIRS, Element - air cleaner.**
2. Remove brake master cylinder.
 - 👉 **BRAKES, REPAIRS, Cylinder - master - tandem - LHD.**



3. **Td4 models:** Remove bolt securing vacuum reservoir and position reservoir aside.



4. Remove screw securing fuel filter housing to bracket.
5. Release fuel filter housing from bracket.
6. Release and disconnect vacuum hose from servo.
7. Remove and discard vacuum hose seal.
8. Release brake pipes from clips on bulkhead.