

Rear Brake Disc Runout Check (70.12.36.01)

Special Service Tools



Dial indicator gauge holding fixture
100-053 (LRT-99-503)

NOTE:

If the parking brake shoes or the brake discs have been removed for access to other components then DO NOT carry out the bedding in procedure.

1.



CAUTION: Do not turn the ignition on when the parking brake service mode has been set, this will result in the parking brake being released from the service mode.

Enter the parking brake into the service mode.

- Turn the ignition key to position II.
- Apply, and hold, the footbrake.
- Apply, and hold, the parking brake switch to the RELEASE position.
- Turn the ignition key to position '0' and remove the key.
- Release the footbrake.
- Release the parking brake switch.

2.

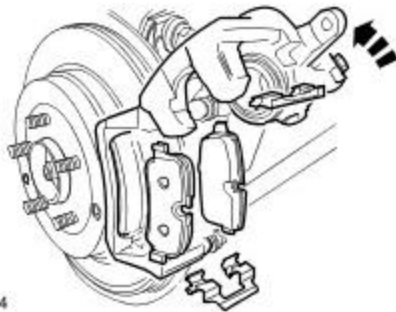


CAUTION: The brake pad wear indicator sensor is easily damaged. Do not use a lever to remove the sensor. Use fingers only.

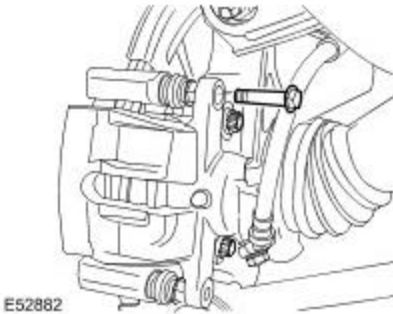
RH side only: Disconnect the brake pad wear indicator sensor.



3. Remove the brake caliper lower bolt.
4. Remove the brake pads.
 - Rotate the brake caliper upwards.
 - Remove the two clips.



5. Remove the brake caliper upper bolt.



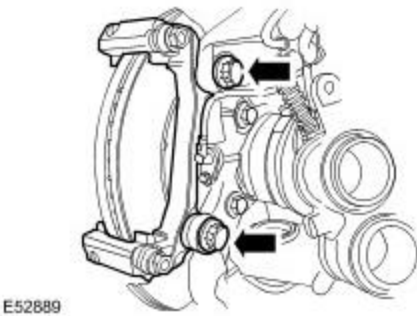
- 6.



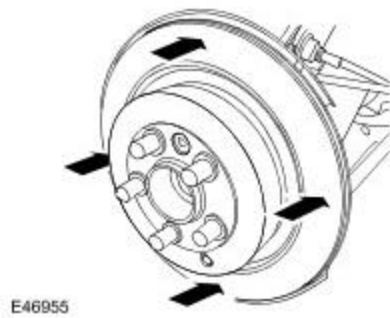
CAUTION: Do not allow the brake caliper to hang on the brake hose.

Tie the brake caliper housing aside.

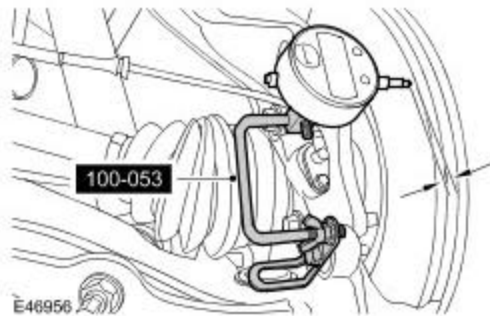
7. Remove the brake caliper anchor plate.



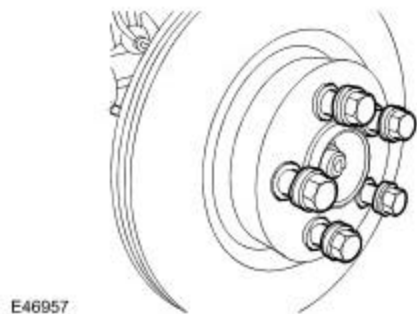
8. Measure the brake disc thickness at four points around the brake disc.
 - Renew the brake disc if the thickness is less than the service limit, or if the maximum thickness variation is exceeded. Brake disc thickness, NEW = 20 mm, Service limit = 17 mm.



9. Using the special tool, install a dial indicator gauge to the brake caliper lower mounting.
 - Position the dial indicator gauge plunger 5 mm in from the outer edge of the brake disc.

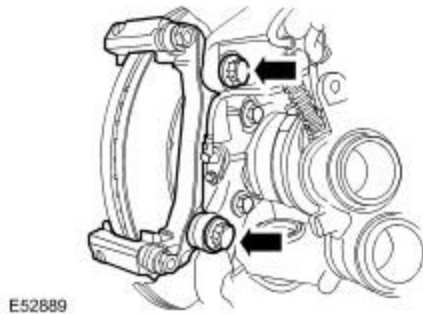


10. Install the wheel nuts.
 - Install spacer washers under the wheel nuts.
 - Tighten the wheel nuts to 140 Nm (103 lb.ft).



11. Rotate the brake disc one revolution to measure the brake disc run-out.
 - Brake disc run-out must not exceed 0.3 mm.
12. If the brake disc run-out is outside the limit. Remove the brake disc.
13. Make sure the brake disc and hub mating surfaces are clean.
14. Install the brake disc.
 - Tighten the Torx screw to 35 Nm (26 lb.ft).

15. Install the wheel nuts.
 - Install spacer washers under the wheel nuts.
 - Tighten the wheel nuts to 140 Nm (103 lb.ft).
16. Rotate the brake disc one revolution to measure the brake disc run-out.
 - Brake disc run-out must not exceed 0.3 mm.
17. If the brake disc run-out is still outside the limit, install a new brake disc and/or hub.
18. Remove the dial indicator gauge and the special tool.
19. Install the anchor plate.
 - Tighten the bolts to 115 Nm (85 lb.ft).



20. Install the brake caliper housing and fit the top bolt.
 - Tighten the bolt to 32 Nm (24 lb.ft).
21. Install the brake pads.
 - Install the 2 clips.
 - Install the two clips.
22. Rotate the brake caliper downwards.
 - Tighten the bolt to 32 Nm (24 lb.ft).
23. Connect the brake pad wear indicator sensor.
24. Depress the brake pedal several times, check the fluid level in the brake fluid reservoir and top-up with brake fluid if necessary.