

## SERVICE INSTRUCTION

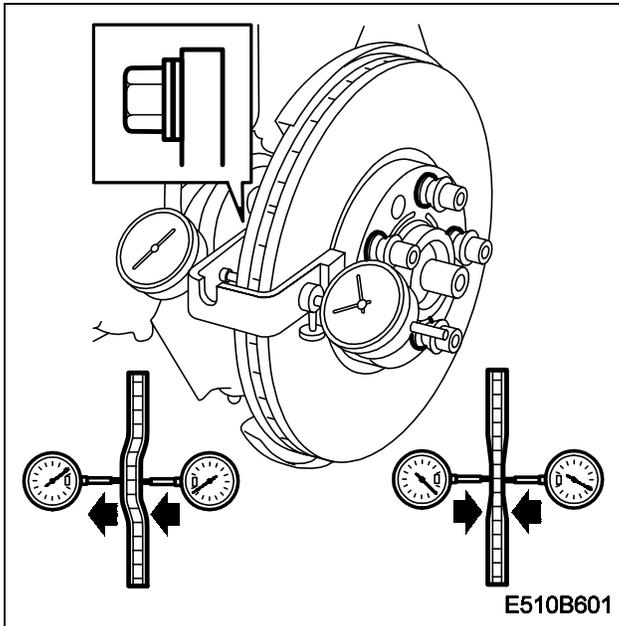
**Number:** 510-1912

**Year:** 1998

**Month:** JUNI

**Market:** ALL

### Vibration while braking



#### Cars affected

Saab 9-5 M98-

Saab 9-5 (US,CA) M99-

#### Background

If the customer experiences front assembly vibration while braking, it can be due to two things:

- Wheel hub run out too great
- Brake disc thickness variation too great.

If the total run out of the brake disc/hub exceeds 0.08 mm then the brake disc and wheel hub must both be replaced.

If the brake disc only is replaced when the run out of the hub is too great, the front assembly will start to vibrate after 1 000-2 000 kilometres.

If only variations in brake disc thickness have been detected, i.e. wheel hub run out not too great, only the brake disc will need replacing.

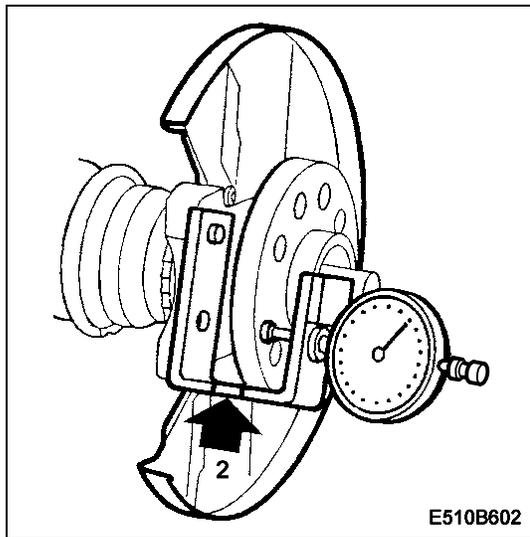
It is important to prevent the problem from reoccurring that run out and thickness variations are measured.

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**Control measurement of brake disc and wheel hub**

For control measurement of brake disc, see Service Manual 5:1 Brakes.

For control measurement of wheel hub, see below.



- 1 Remove the wheel, brake caliper and brake disc.
- 2 Make sure the hub is clean and free from impurities. Only one indicator gauge is used. Grind out the tool as illustrated to prevent the wheel hub from making contact with it.
- 3 Rotate the hub and check the run out (the value between the highest and lowest reading).  
If the run out exceeds 0.03 mm, the hub must be replaced.

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**IMPORTANT**

The dial gauge will jump about 0.03-0.05 mm at each wheel bolt hole, which is completely normal.

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- 4 Fit the brake disc, brake caliper and wheel.  
Tighten the wheel bolts.

**Tightening torque 120 Nm (89 lbf ft)**