



Important!

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all your Audi Technicians

Technical Bulletin

Subject: **Pulsation in Brake Pedal and/or Shimmy in Steering
Wheel When Brakes are Applied**

Group: **46**

Number: **00-02**

Model(s): **All**

Date: **Feb. 17, 2000**

Supersedes T.B. Group 46 Number 98-01 dated Apr. 21, 1998

Condition

Brake pedal pulsation when braking, steering wheel shimmy when braking may be influenced by the following factors.

- ◆ Suspension components (ball joints, bushings, tie rods, etc.)
- ◆ Brake rotor/hub run-out / Brake rotor thickness variation

Service

Check suspension components (control arm bushings, front struts, ball joints, tie rods, etc.) for wear.

If components check OK and rotor/hub runout is found:

Resurface rotors using the RTI BRC40 on-the-vehicle brake lathe.

Note:

RTI BRC40 on-the-vehicle brake lathe is available from Equipment Solutions.

CAUTION!

Always read and follow brake lathe manufacturer's instructions for correct set-up and operating procedures as well as safety CAUTIONS and WARNINGS.



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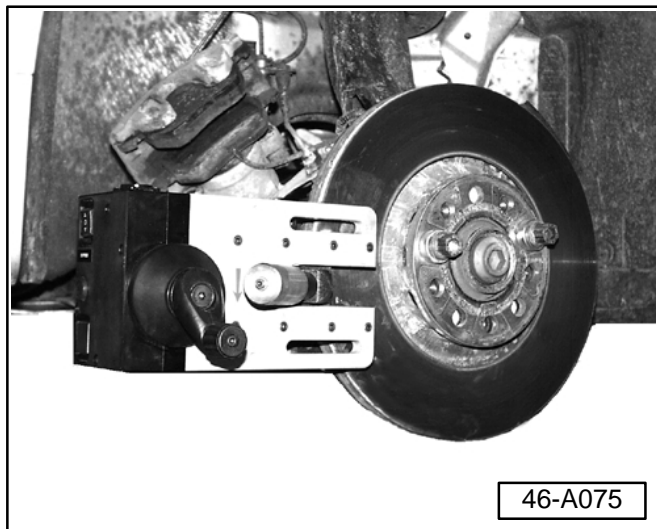
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Brake rotors, resurfacing with on-the-vehicle brake lathe

- Remove front wheels.
- Measure rotor thickness (must be of sufficient thickness to allow resurfacing without going below minimum specification set in Repair Manual).
- Mark (index) hub & rotor with a center punch.
- Remove brake calipers (Remove/installing calipers, see *Front brakes servicing in the appropriate Repair Manual*).
- Remove rotor and clean hub to rotor mounting surfaces, reinstall rotor (line up index marks).
- Clean brake caliper mounting points.

Note:

Illustration is used for reference to procedure only. Actual suspension view may differ from what is shown.



- ◀ - Install on-the-vehicle brake lathe.
- Resurface rotor.

Note:

NEVER! resurface rotors below minimum specifications (wear limit)! See appropriate Repair Manual for specifications.

- Remove brake lathe.
- Repeat procedure to other rotor.
- Install front brake calipers.
- Install wheels (lugbolt torque = 120Nm (89ft. lbs)).

**When procedure applies to vehicles with-
in the New Vehicle Limited Warranty, use
the following:**

Part Identifier: 4650

Labor Operation:

Reface on vehicle 4650522 150 TU