

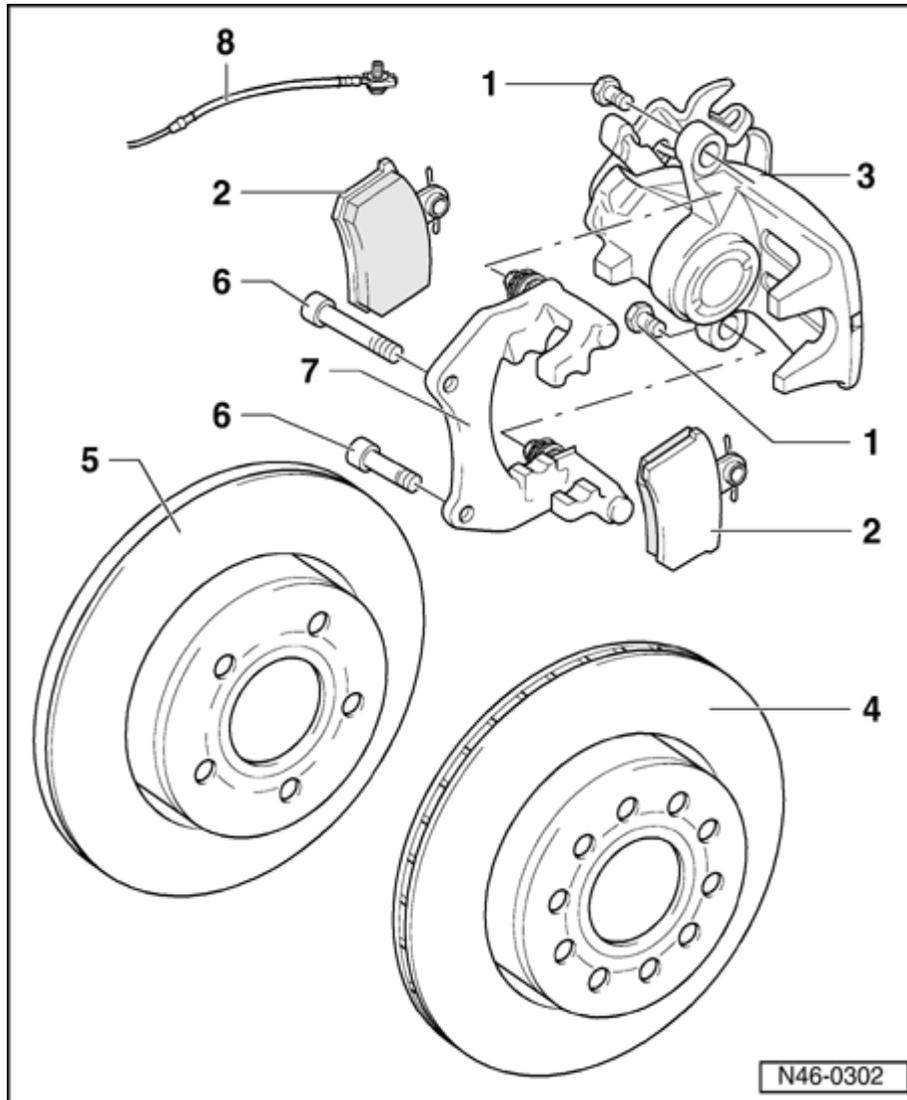


<p>V.A.G 1331</p> 	<p>V.A.G 1332</p> 
<p>V.A.G 1410</p> 	<p>V.A.G 1869/2</p> 
	<p>W46-0004</p>

Rear wheel brakes, servicing (disc brakes)

Special tools and workshop equipment required

- ◆ VAG 1331 Torque wrench (or equivalent)
- ◆ VAG 1332 Torque wrench (or equivalent)
- ◆ VAG 1410 Torque wrench (or equivalent)
- ◆ VAG 1869/2 Brake pedal depressor



Rear wheel brakes with automatic adjustment

1 - Self-locking hex bolt, 35 Nm

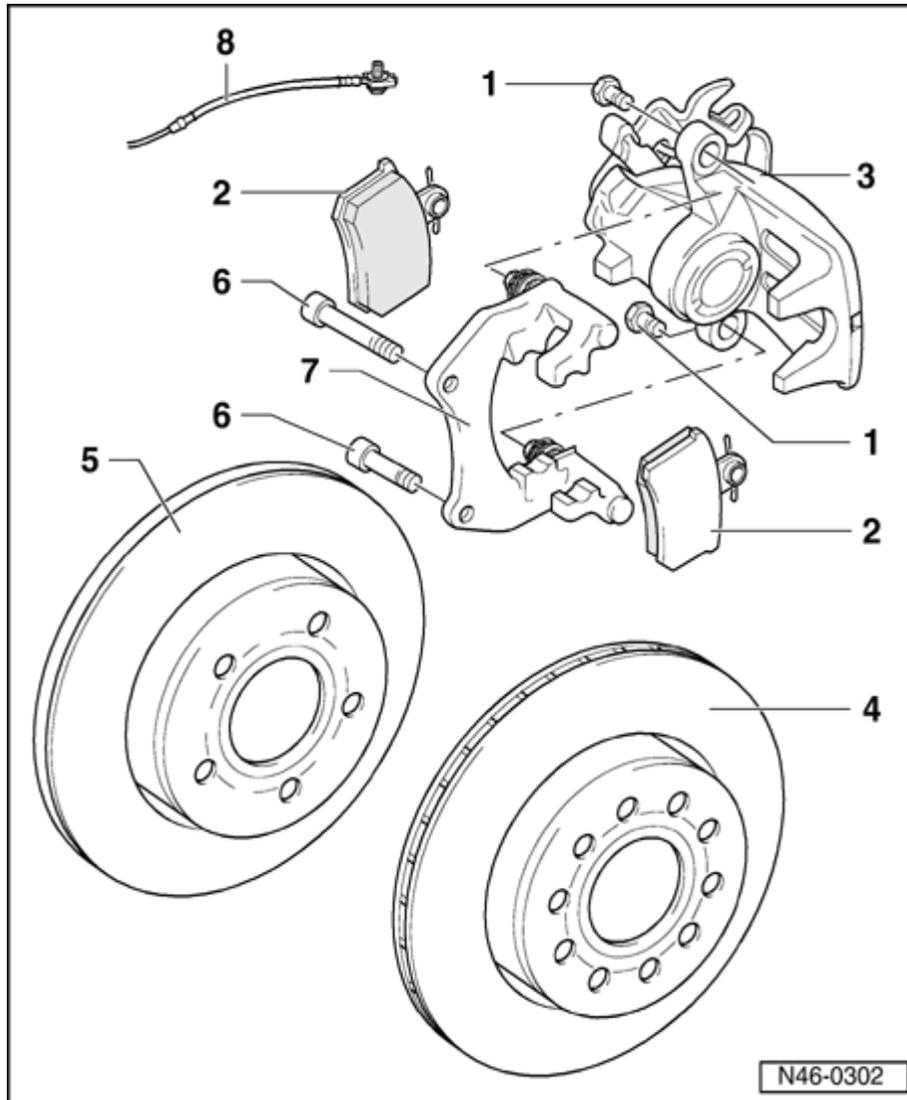
- ◆ Always replace
- ◆ When loosening and tightening counter hold on guide pin

2 - Brake pads

- ◆ Thickness 12 mm
- ◆ Wear limit: 7 mm including backing plate
- ◆ Checking thickness:

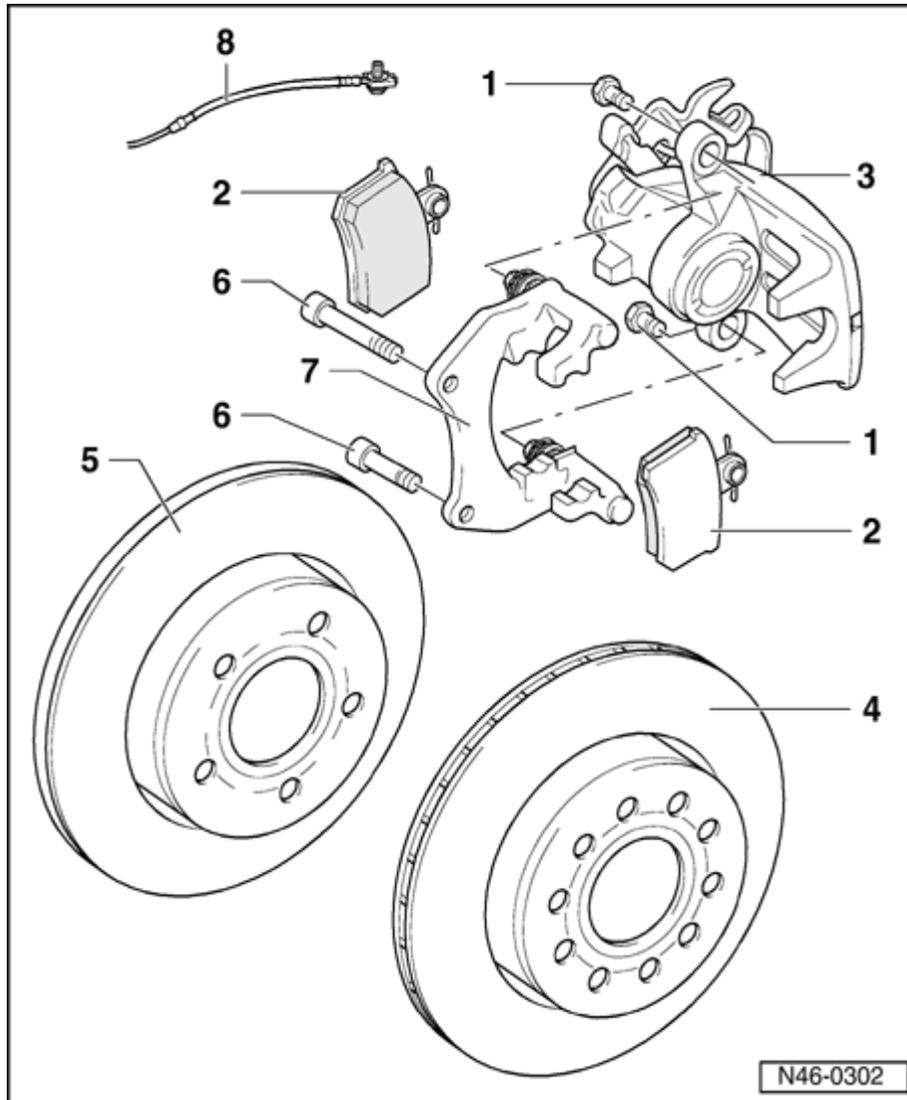
⇒ Repair Manual, Maintenance, Front and rear brake pads; Checking thickness

- ◆ Always replace pads on both wheels
- ◆ Removing and installing ⇒ [Page 46-55](#)



3 - Brake caliper

- ◆ Do not disconnect brake hose when changing brake pads
- ◆ Removing:
 - Remove brake pads -item 2 - ⇒ [Page 46-55](#)
 - Install brake pedal depressor VAG 1869/2
 - Unscrew brake hose -item 8 - from brake caliper
- ◆ Installing:
 - Install brake pads -item 2 - ⇒ [Page 46-57](#)
 - Install brake hose -item 8 - on brake caliper
 - Remove brake pedal depressor VAG 1869/2
 - Bleed brake system ⇒ [Page 47-35](#)
- ◆ Adjust parking brake cable first after maintenance or replacement.
- ◆ Adjust parking brake ⇒ [Page 46-60](#)
- ◆ Servicing ⇒ [Page 47-27](#)

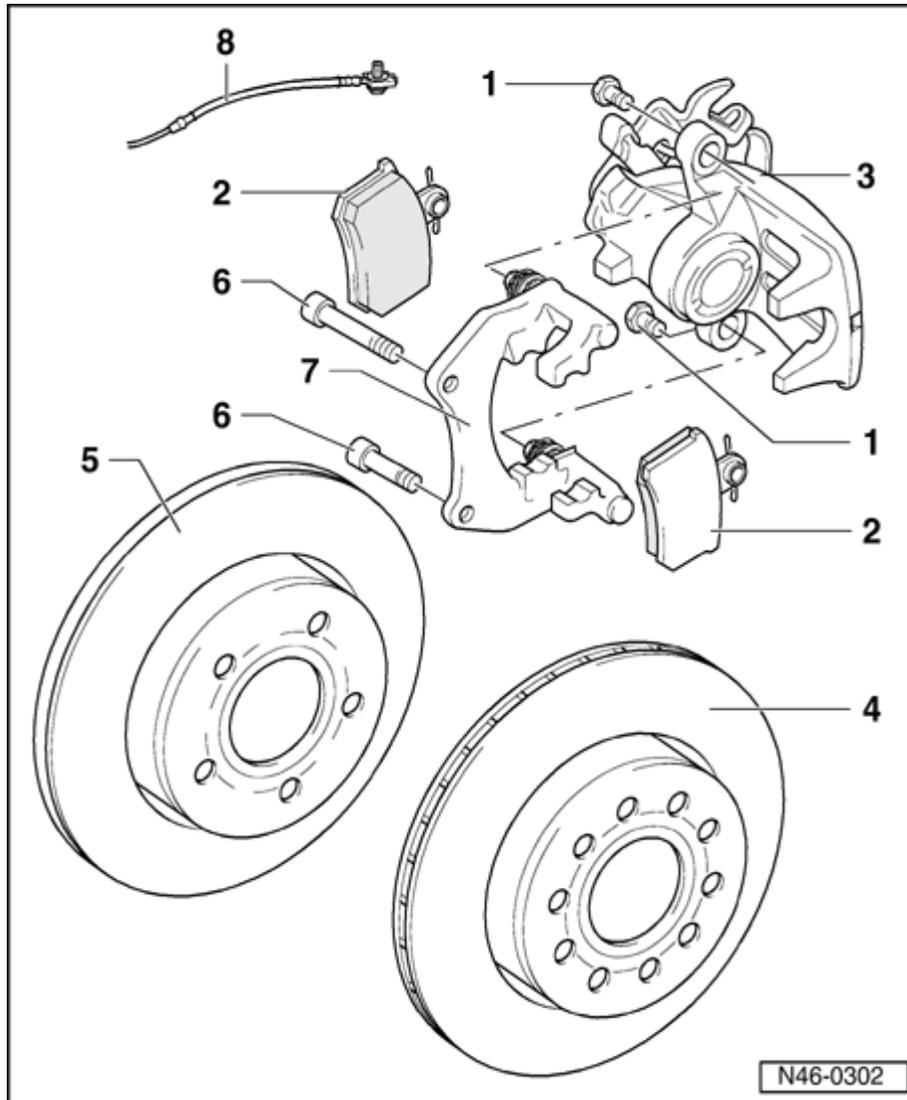


4 - Brake disc

- ◆ Vented disc brake for vehicles with 16" wheel All Wheel Drive (AWD): diameter 256 mm
- ◆ Ventilated brake disc for vehicles with 16" and 17" wheels AWD: diameter 269 mm
- ◆ Brake disc thickness: 22 mm
- ◆ Wear limit: 20 mm
- ◆ When pads are worn always replace both sides
- ◆ Remove brake caliper prior to removing

5 - Brake disc

- ◆ Disc brake for vehicles with 15" and 16" wheels Front Wheel Drive (FWD): diameter 245 mm
- ◆ Disc brake for vehicles with 15" wheels All Wheel Drive (AWD): diameter 255 mm
- ◆ Disc brake thickness: 10 mm
- ◆ Wear limit: 8 mm
- ◆ When pads are worn always replace both sides
- ◆ Remove brake caliper prior to removing



N46-0302

6 - Socket head bolt, 95 Nm

7 - Brake carrier with guide pins and protective cap

- ◆ Supplied as assembled replacement part with sufficient grease on guide pins
- ◆ If protective caps or guide pins are damaged install repair kit. Use grease packet supplied to lubricate guide pins.

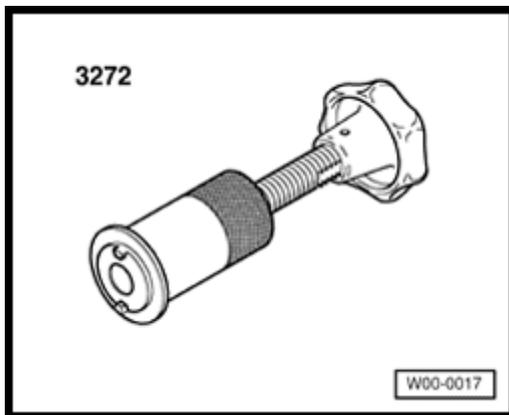
8 - Brake hose/pipe

- ◆ With banjo bolt and seals
- ◆ Tightening torque of banjo bolt to brake calliper with aluminium seal (silver) 45 Nm
- ◆ Tightening torque of banjo bolt to brake calliper with titanium seal (black) 38 Nm
- ◆ Do not disconnect brake hose when changing brake pads



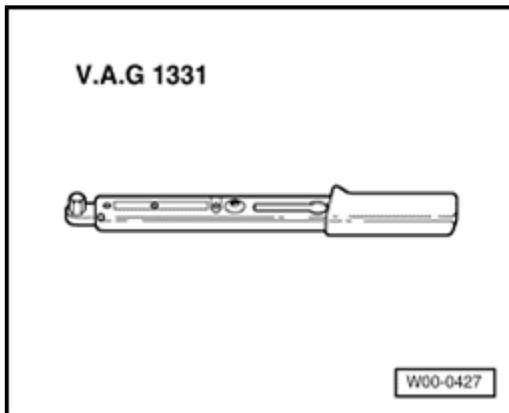
Brake pads, removing and installing

Special tools and workshop equipment required



A

- ◆ 3272 Reset and screwout tool
- ◆ 3272/1 Reset and screwout tool plate



A

- ◆ VAG 1331 Torque wrench (or equivalent)



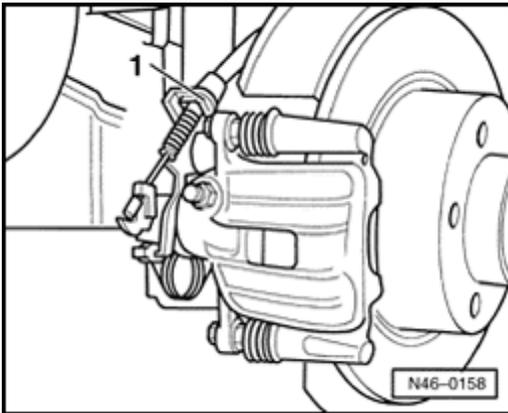
Removing

Note:

When removing, mark brake pads if they are to be reused. Install in their original position to prevent uneven braking!

- Remove wheels.

This work sequence is only valid for vehicles with FrontWheel Drive (FWD)



A

- Pull out securing clip -1- and unhook parking brake cable from brake caliper.

Continued for all vehicles



A

- Remove securing bolts from brake caliper housing, when doing this counter-hold on guide pins.
- Remove brake caliper housing and secure with wire so that the weight of the

brake caliper does not stress or damage the brake hose.

- Remove brake pads.
- Clean brake caliper housing, in particular the bonding surface for the brake pad. It must be free of adhesive and grease residues.

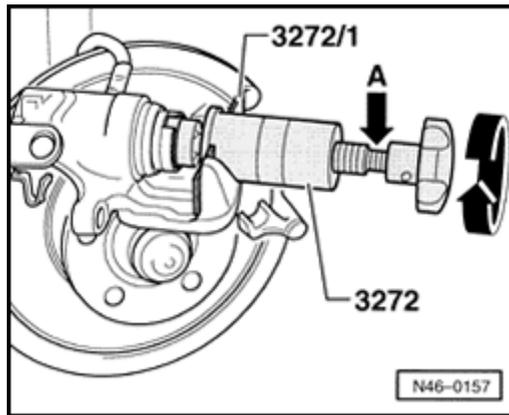


Use only appropriate solvent for cleaning the brake caliper housing.

Installing

Note:

Draw off brake fluid from the reservoir before pressing the piston back. Use a bleeder bottle or a plastic bottle which is only used for brake fluid. Brake fluid is poisonous. NEVER siphon brake fluid with your mouth!

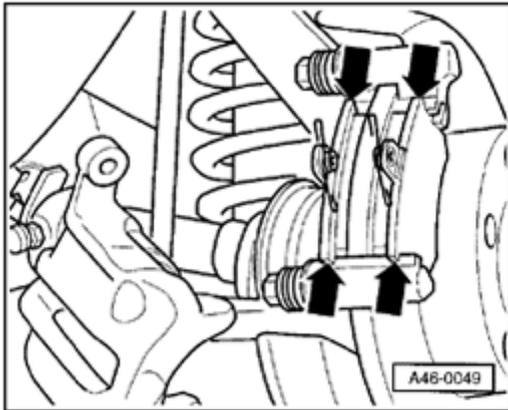


A

- Install piston by turning knurled wheel of special tool 3272 clockwise. Do not damage protective cap when doing this.
- Use special tool 3272/1 for assistance when installing.

Notes:

- ◆ *Install special tool 3272 so that the collar of the tool is seated on special tool 3272/1.*
- ◆ *For pistons that are difficult to move, use open-end wrench (use 13 mm) on the flats (arrow A).*



A

- Remove protective foil off backplate of new brake pads.
- Insert brake pads.
- Secure brake caliper housing with new self-locking bolts ⇒ [Page 46-51](#) ; item 1 .

Note:

Repair kit includes four self-locking hex bolts which must always be installed.

This sequence is only valid for vehicles with Front Wheel Drive

- Attach parking brake cable to brake caliper housing.
- Adjusting parking brake ⇒ [Page 46-60](#) .

Operate foot brake first after adjusting parking brake.

Continued for all vehicles

- Install wheels.

**Notes:**

- ◆ *After each brake pad change with vehicle stationary, firmly depress brake pedal several times so that the brake pads are properly seated in their normal operating position.*

- ◆ *Check brake fluid level after changing brake pads.*



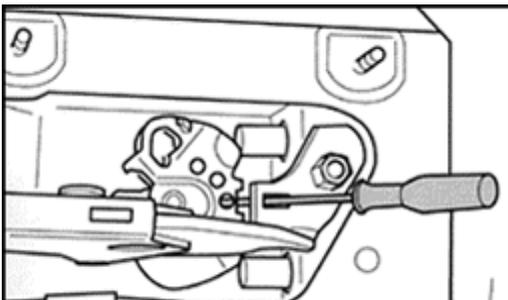
Parking brake adjusting

Note:

After replacing parking brake cables, brake calipers and brake discs, adjustment is necessary.

- Depress brake pedal firmly at least once.
- Position parking brake lever in "released" position.
- Remove rear ashtray (center console).

⇒ [Repair Manual, Body Interior, Repair Group 68; Compartments, covers and trims; Removing and installing rear ashtray](#)



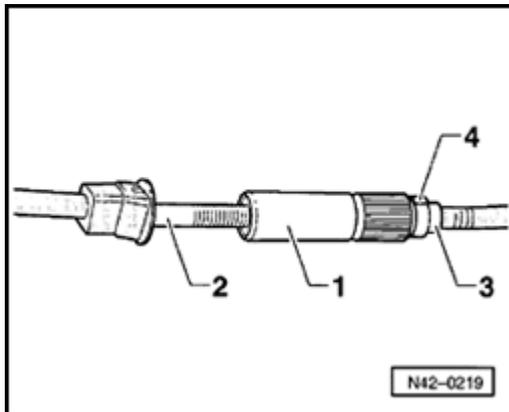
A

- Remove any plastic parts on compensator; they do not need to be re-installed.
- To prevent compensator from turning, counterhold with a screwdriver (shown without center console for clarity).



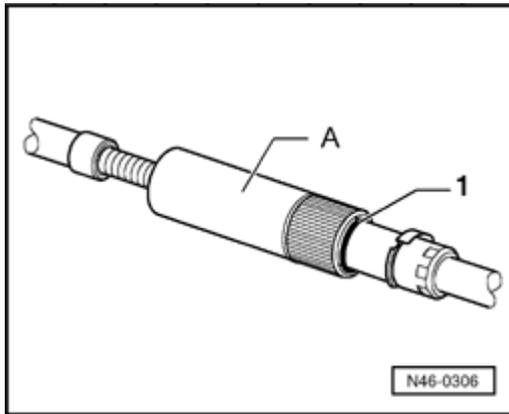
Notes:

- ◆ For vehicles with Front Wheel Drive (FWD) the adjustment for the parking brake cable can be found in the tunnel on the vehicle underside.
- ◆ Vehicles with All Wheel Drive (AWD), the adjustment can be found in front of the lower control arm.



A

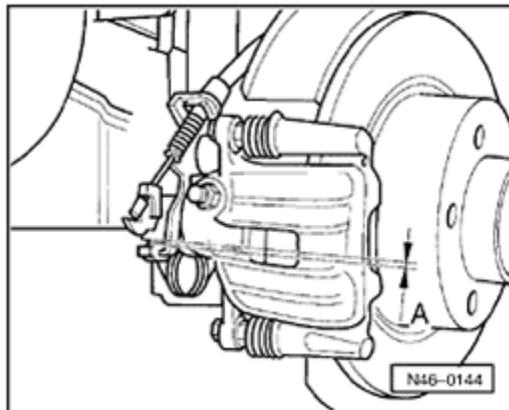
- Remove locking element -4-.
- Turn adjusting nut -1- onto stop until the locking element groove is covered.
- Push both cable sleeves -2- and -3- together.
- Unscrew adjusting nut -1- until the slot for locking element is visible.
- Insert locking element -4-.
- Pull both cable sleeves apart at the same time until the cables are tightened, doing this the lever on the brake caliper does not lift off.
- Remove screwdriver from compensator and apply parking brake 3 times.



Note:

- A *The colored O-ring -1- must not be visible. Make sure that the mechanism of the parking brake cable adjustment element is sufficiently protected against dirt and water spray.*

- Check tension of parking brake cable and, if necessary, turn adjusting nut -A- in/out...



- A - ...until a distance -A- of max. 1.5 mm is set at the brake caliper.

Note:

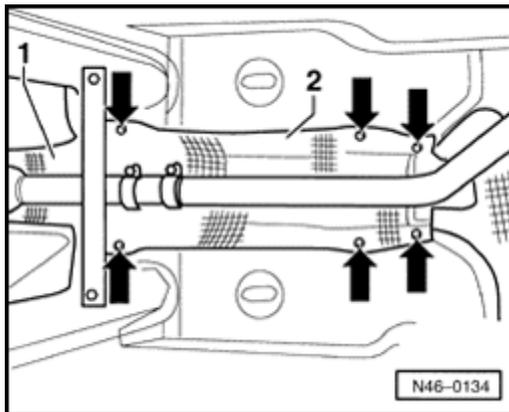
Due to the automatic rear wheel brake adjustment there is no requirement to adjust the parking brake (after initial adjustment).



Parking brake cables (Front Wheel Drive), removing and installing

Removing

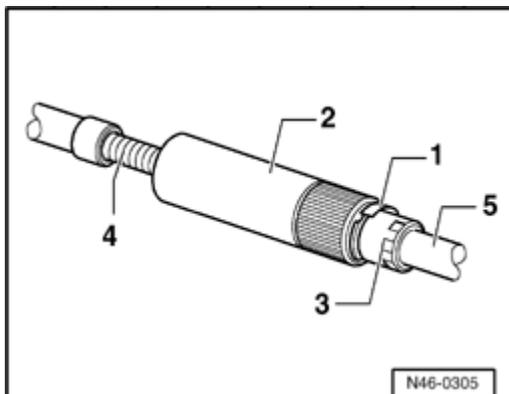
- Remove both rear wheels.
- A - Remove heat shield -1-.
- Remove retaining nuts -arrows- from heat shield -2- and slide heat shield forward.

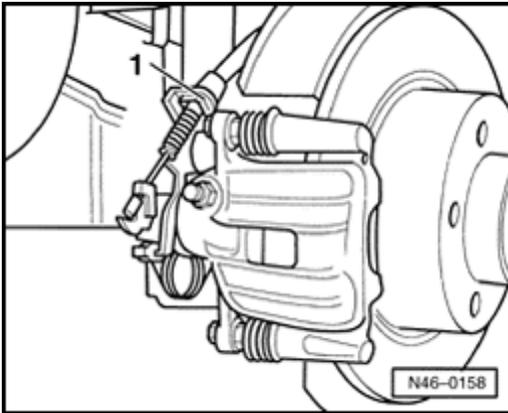


Note:

Parking brake cable adjusting components are located in the tunnel on the underside of vehicle.

- A - Remove locking element -1-.
- Screw adjusting nut -2- in until it stops. To do this, counter-hold using an open-ended wrench (use 13 mm) in area -3-.
- Push both cable sleeves -4- and -5- together.

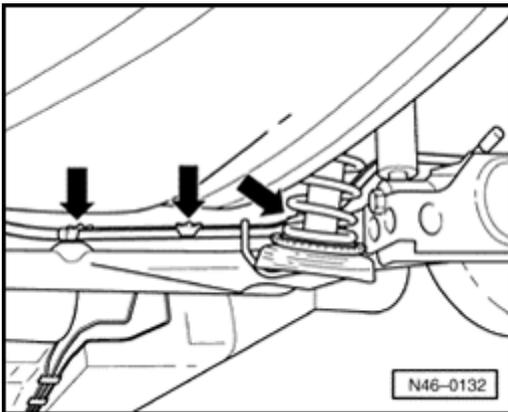




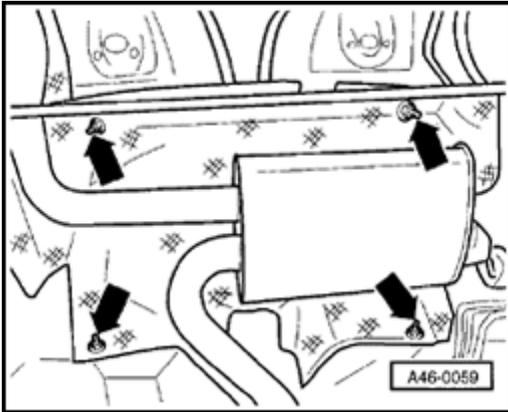
- A**
- Pull out securing clip -1- and unhook parking brake cable from brake caliper.

Note:

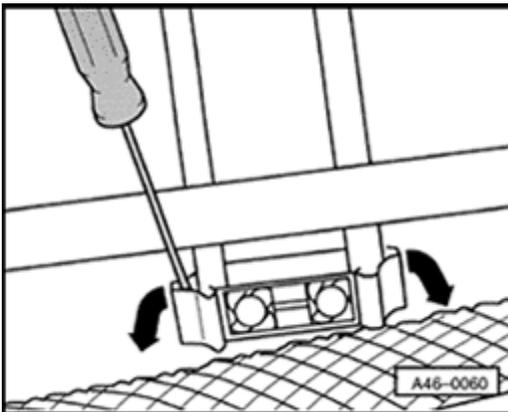
Do not damage parking brake boot when removing and installing.



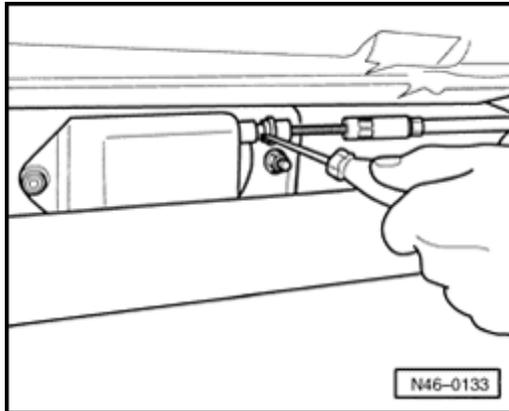
- A**
- Remove parking brake cables from retainers on rear axle (arrows).
 - Unclip ABS wheel speed sensor cable from retainer.



- A - Loosen heat insulation above rear silencer (arrows) and place to one side.



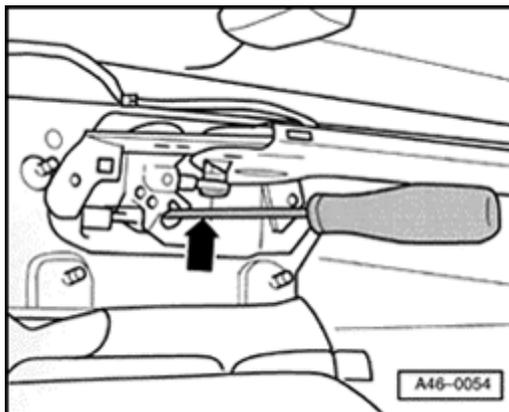
- A - Open retainer and remove parking brake cable.



A

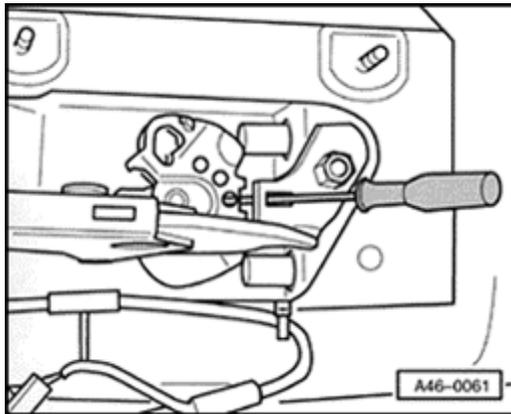
- Pry parking brake cable out of console with a screwdriver.
- Remove center console extension,

⇒ [Repair Manual, Body Interior, Repair Group 68; Compartments, covers and trims; Removing and installing center console](#)



A

- Using a screwdriver press parking brake cable in direction of parking brake lever and push ball out of retainer.
- Remove parking brake cable.



Installing

A

- Remove any plastic parts on compensator; they do not need to be re-installed.
- Prevent compensator from turning by counterholding using a screwdriver.
- Insert ball head in compensator via console.
- Parking brake cable must engage in console.
- Secure parking brake cables to rear axle beam.
- Adjusting parking brake ⇒ [Page 46-60](#) .
- Install center console extension.

⇒ [Repair Manual, Body Interior, Repair Group 68; Compartments, covers and trims; Removing and installing center console](#)

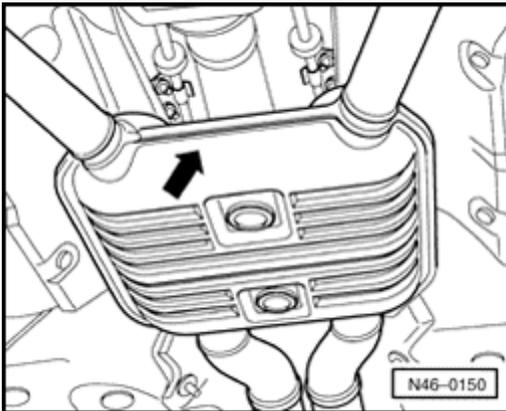


Parking brake cables (All Wheel Drive), removing and installing

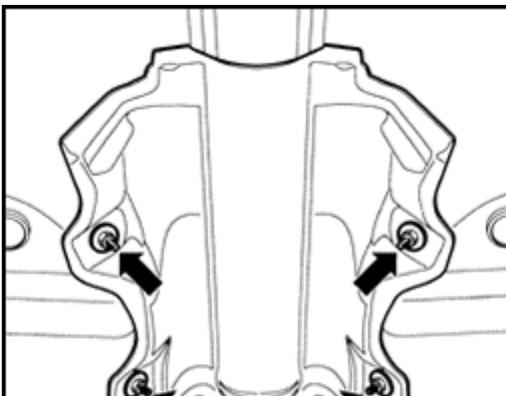
Removing

- Remove rear wheels.
- A** - Remove exhaust system (arrow).

⇒ *Repair Manual, Engine Mechanical, Repair Group 26; Removing and installing parts of the exhaust system.*



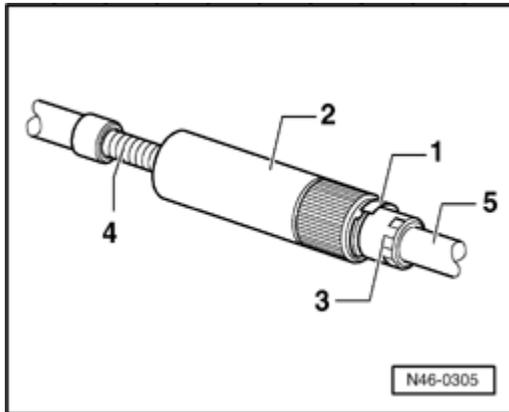
- A** - Unscrew retaining nuts (arrows) from heat shield and remove.





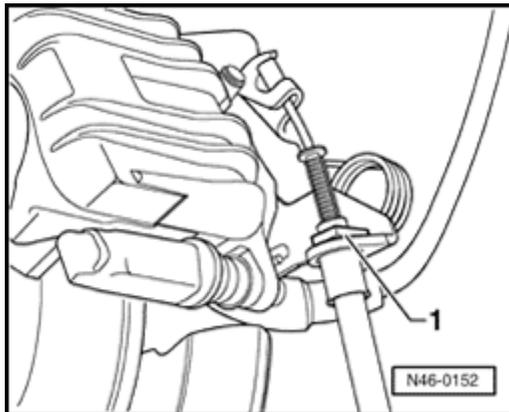
Note:

Adjusting the parking brake cables are located in front of the lower control arm.



A

- Remove locking element -1-.
- Screw in adjusting nut -2- until stop. To do this, counter-hold using an open-ended wrench (13 mm) in area -3-.
- Push both cable sleeves -4- and -5- together.

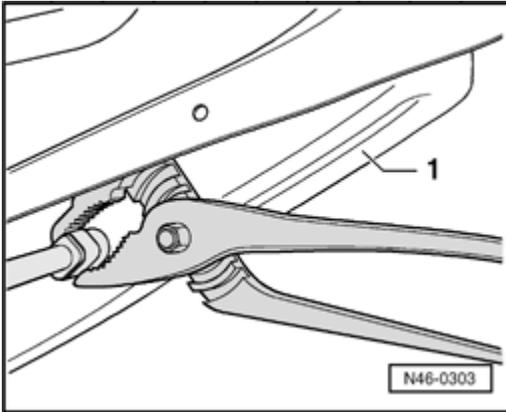


A

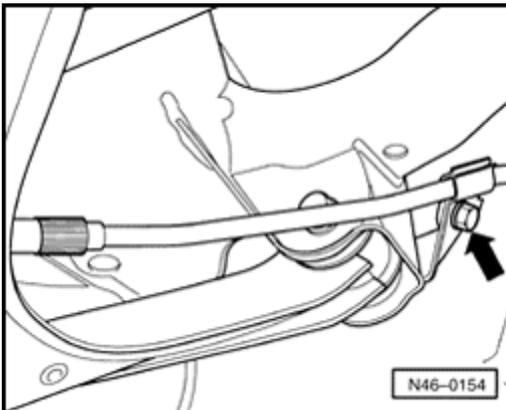
- Pull out securing clip -1- and unhook parking brake cable from brake caliper.

Note:

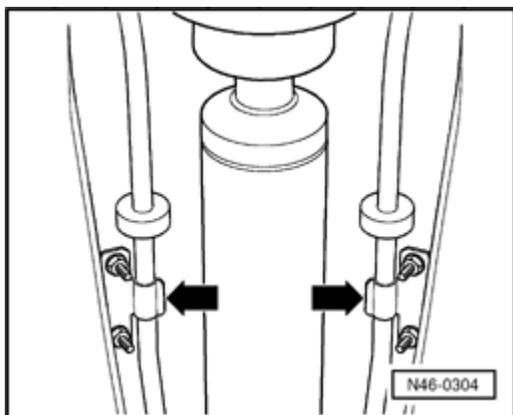
Do not damage parking brake boots when removing and installing.

**A**

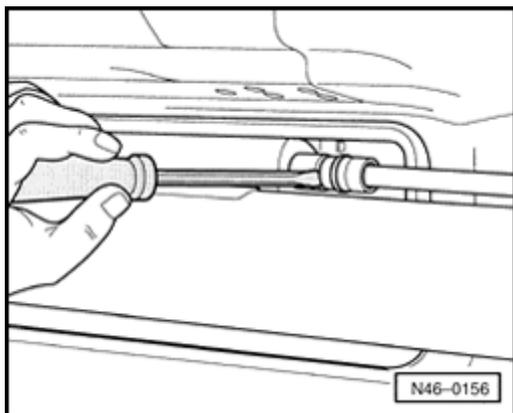
- Squeeze plugs together using pliers on parking brake cable and take parking brake cable out through hole in lower control arm -1-.

**A**

- Remove parking brake cable from retaining bracket (arrow) on rear axle.



- A** - Unclip brake pipes from retainers (arrows).

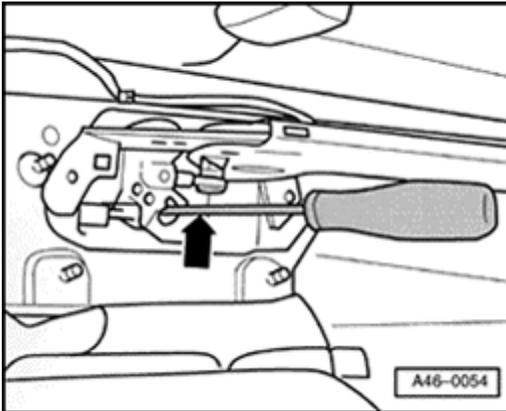


- A** - Pry parking brake cable out of console with a screwdriver.



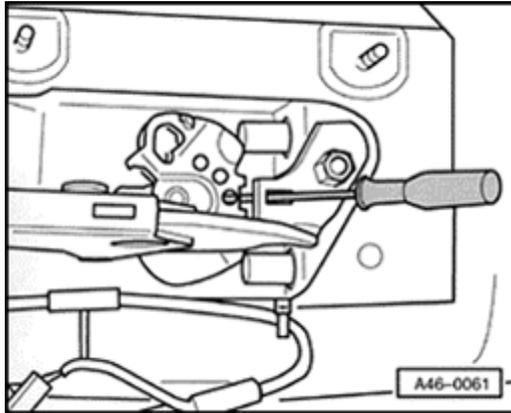
- Remove center console extension,

⇒ [Repair Manual, Body Interior, Repair Group 68; Compartments, covers and trims; Removing and installing center console](#)



A

- Using a screwdriver press parking brake cable in direction of parking brake lever and push ball out of retainer.
- Remove parking brake cable.



Installing

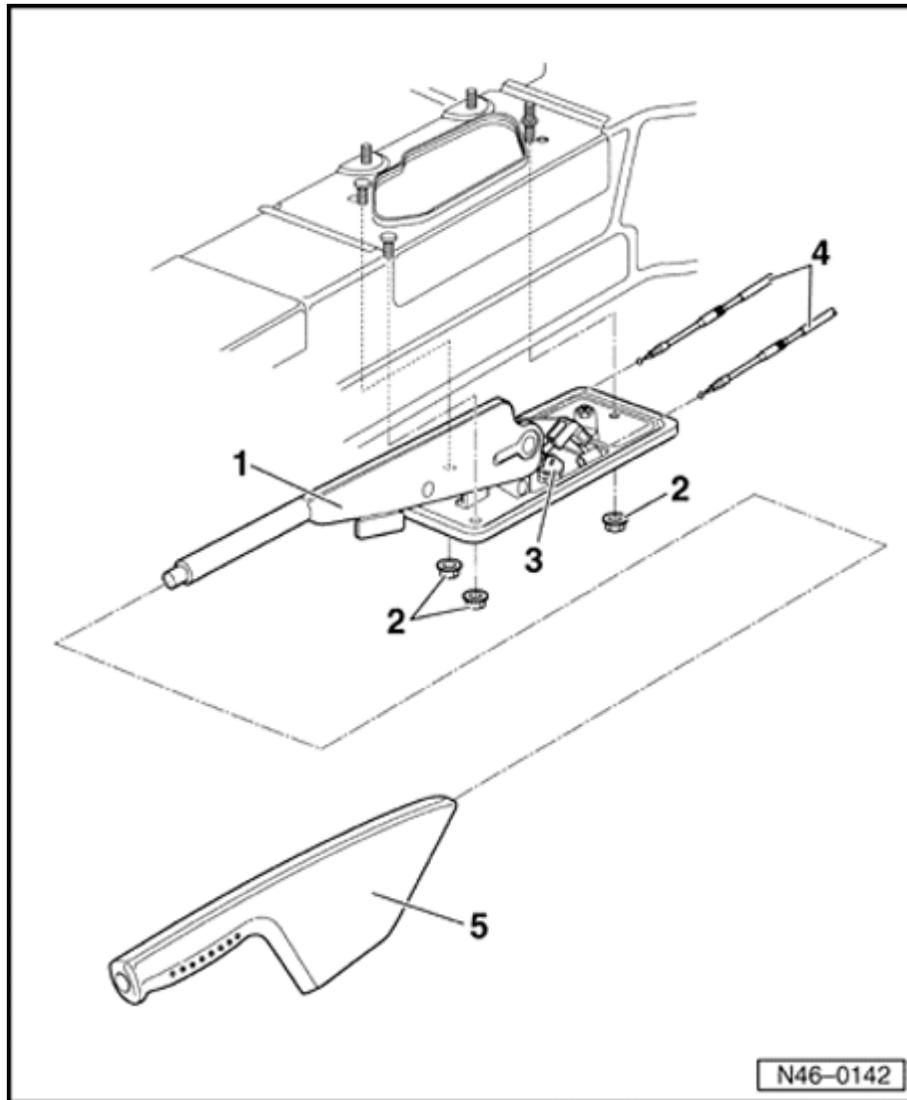
A

- Remove any plastic parts on compensator; they do not need to be re-installed.
- Prevent compensator from turning by counterholding using a screwdriver.
- Insert ball head in compensator via console.

Parking brake cable must engage in console.

- Secure parking brake cables to rear axle beam.
- Adjust parking brake ⇒ [Page 46-60](#) .
- Install center console extension.

⇒ [Repair Manual, Body Interior, Repair Group 68; Compartments, covers and trims; Removing and installing center console](#)



Parking brake lever - assembly overview

1 - Parking brake lever

- ◆ Remove center console before removing

2 - Hex nut, 23 Nm

3 - Compensator

4 - Parking brake cables

5 - Parking brake lever trim

- ◆ Pull forward front

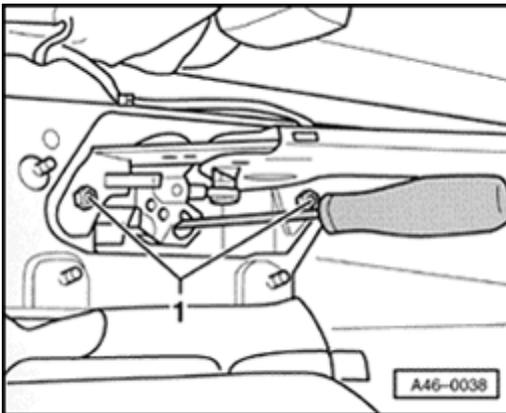


Parking brake lever, removing and installing

Removing

- Remove center console extension.

⇒ [Repair Group, Body Interior, Repair Group 68; Compartments, covers and trims; Removing and installing center console](#)



A

- Remove hex nuts -1-.
- Press parking brake cable inward with a screwdriver and remove parking brake lever.

Installing

- Install parking brake cable into compensator.



A

- Tighten hex nuts -1- to 25 Nm.
- Adjust parking brake ⇒ [Page 46-60](#) .

- Install center console extension.

⇒ *Repair Group, Body Interior, Repair Group 68; Compartments, covers and trims;
Removing and installing center console*