
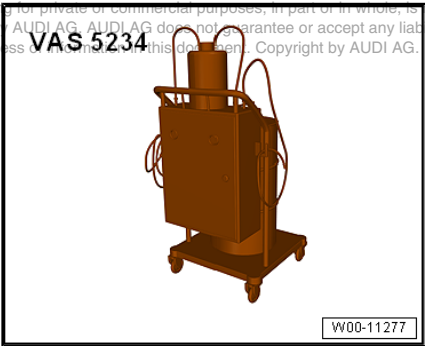
 **WARNING**  
*Risk of injury due to caustic brake fluid.*  
 ♦ *Avoid contact with skin.*

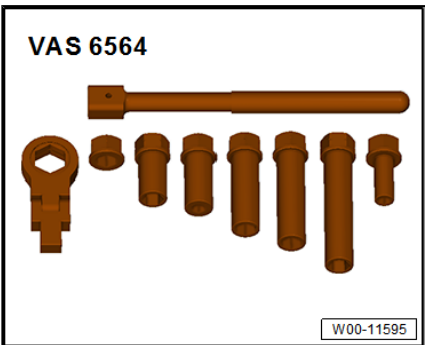
 **Caution**  
*Risk of damage due to improper handling of brake fluid.*  
 ♦ *Avoid contact with vehicle paint.*  
 ♦ *Avoid contact with liquids containing mineral oils (oil, petrol, cleaning agents).*

**Special tools and workshop equipment required**

- ♦ Brake filling and bleeding equipment - VAS 5234-



- ♦ Tool set for brake bleeding - VAS 6564-



**Table of test values and procedure guidelines:**

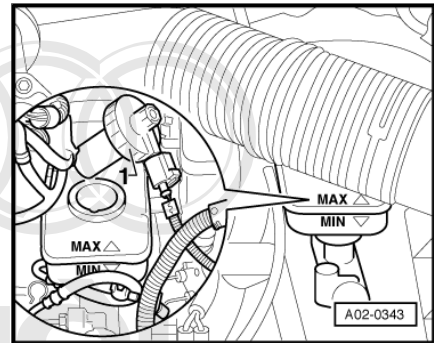
The value given in the table is for one brake caliper, i.e. if there are two bleeder screws on one caliper, the sum of the quantities discharged from both bleeder screws must equal the value given in the table.

| Sequence of opening bleeder screws:  |    | Quantity of brake fluid to discharge: |  |
|--------------------------------------|----|---------------------------------------|--|
| Brake calipers                       |    |                                       |  |
| Front axle on driver's side          | 1. | 0.20 ltr.                             |  |
| Front axle on front passenger's side | 2. | 0.20 ltr.                             |  |
| Rear axle on driver's side           | 3. | 0.30 ltr.                             |  |
| Rear axle on front passenger's side  | 4. | 0.30 ltr.                             |  |
| Clutch slave cylinder                | 5. | 0.15 ltr.                             |  |

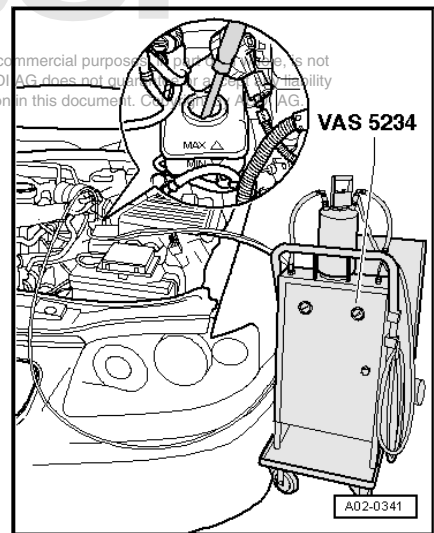
| Sequence of opening bleeder screws: | Quantity of brake fluid to discharge: |
|-------------------------------------|---------------------------------------|
| ⇒ Total quantity, automatic gearbox | 1.00 ltr.                             |
| ⇒ Total quantity, manual gearbox    | 1.15 ltr.                             |

**Step 1 - connecting brake filling and bleeding equipment:**

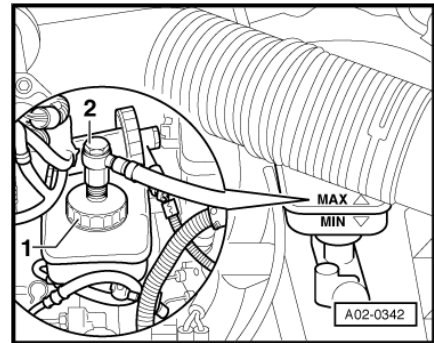
- Unscrew filler cap -1- from brake fluid reservoir.



- Use extraction hose included in brake filling and bleeding equipment - VAS 5234- to extract brake fluid from reservoir (with strainer installed) until fluid is level with bottom edge of strainer. Make sure that no more fluid flows back into reservoir from strainer after extracting fluid.



- Screw adapter -1- onto brake fluid reservoir.
- Connect filling hose -2- included with brake filling and bleeding equipment - VAS 5234- to adapter.
- Set pressure on brake filling and bleeding equipment - VAS 5234- (see operating instructions).



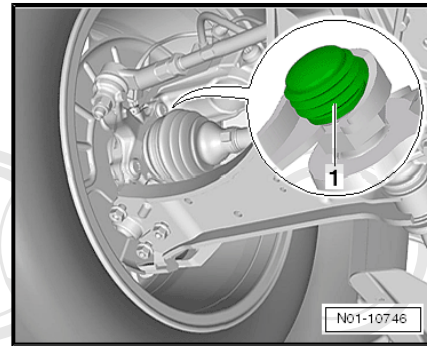
**Step 2 - bleeding and filling brake system:**

If there are two bleeder screws on each brake caliper, first bleed the inner, then the outer bleeder screw.

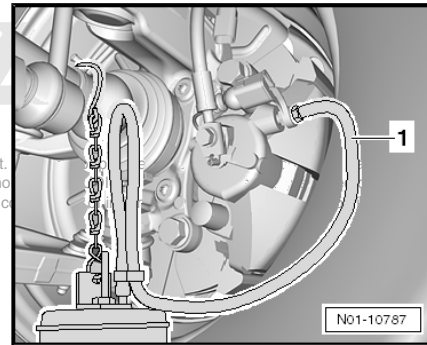
- Raise vehicle ⇒ [page 5](#) .

**Front axle:**

- Brake caliper (driver's side): Remove cap(s) -1- from bleeder screw(s).



- Fit bleeder hose -1- attached to collector container onto bleeder screw from inside of rim.
- Open bleeder screw and allow brake fluid to discharge. Refer to table for correct quantity of brake fluid to discharge => [page 32](#) .
- Close bleeder screw.
- If there are two bleeder screws on each brake caliper: Repeat procedure with second bleeder screw.
- Refit cap on bleeder screw(s).
- Repeat procedure on passenger's side.

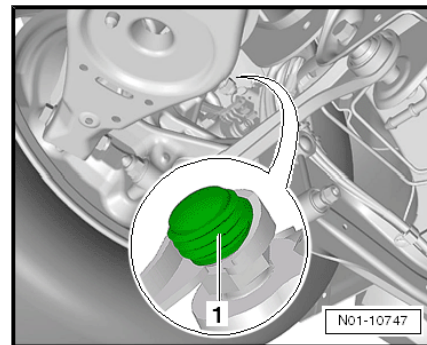


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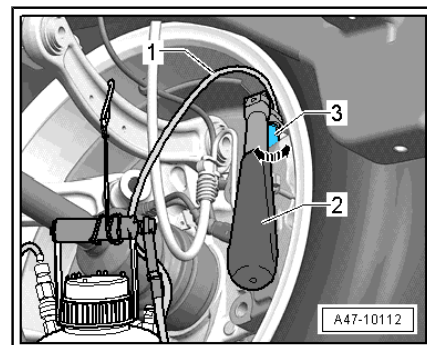
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#### Rear axle:

- Brake caliper (driver's side): Remove cap(s) -1- from bleeder screw(s).
- Take reversible ratchet and appropriate socket from tool set for brake bleeding - VAS 6564- and fit together.



- Run bleeder hose -1- from inside of rim through reversible ratchet -2- and socket -3- and fit onto bleeder screw.
- Open bleeder screw with ratchet -2- and allow brake fluid to discharge. Refer to table for correct quantity of brake fluid to discharge => [page 32](#) .
- Close bleeder screw.

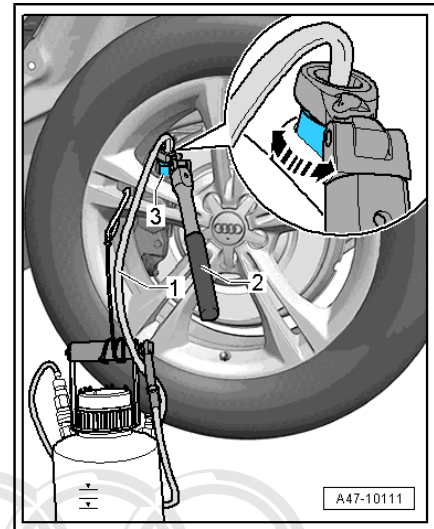


- If there are two bleeder screws on each brake caliper: Working from outside of rim, apply reversible ratchet -2- and socket -3- and repeat procedure.
- Refit cap on bleeder screw(s) on brake caliper.
- Repeat procedure on passenger's side.

### Step 3 - bleeding clutch slave cylinder

Only for vehicles with manual gearbox

- Remove components necessary for access; refer to ⇒ Manual gearbox; Rep. gr. 30 ; Clutch mechanism; Bleeding clutch mechanism .
- Fit bleeder hose attached to collector container -1- onto bleeder screw of clutch slave cylinder.
- Open bleeder screw and allow correct amount of brake fluid to flow out (see table of test values and procedure guidelines ⇒ [page 32](#) ).
- Close bleeder screw and fit cap.



### Step 4 - final steps:

- Close filling lever of brake filling and bleeding equipment - VAS 5234- .
- Detach filling hose from adapter.
- Unscrew adapter from brake fluid reservoir.
- Check brake fluid level and adjust if necessary (depending on brake pad wear) ⇒ [page 36](#) .
- Screw cap onto brake fluid reservoir.
- Operate clutch pedal several times.
- Check pedal pressure and free travel: No more than 1/3 of total pedal travel.
- Make sure that the brakes work properly before the vehicle is driven on the road.
- If free travel of brake pedal is greater than specified, or if brake function is impaired: Check brake system for leaks and renew brake fluid again.

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### Note

- ◆ *The bleeder hose must fit tightly on the bleeder screw to prevent air from entering the brake system.*
- ◆ *In the case of certain wheel combinations, the wheels may have to be removed.*
- ◆ *With the aid of the tool set for brake bleeding - VAS 6564- , the rear brakes or, depending on version, the front and rear brakes can be bled without having to remove the wheels.*
- ◆ *Use genuine Audi brake fluid; see Electronic parts catalogue (ETKA).*
- ◆ *Do not reuse brake fluid.*
- ◆ *Always observe the relevant environmental regulations for disposal of brake fluid.*