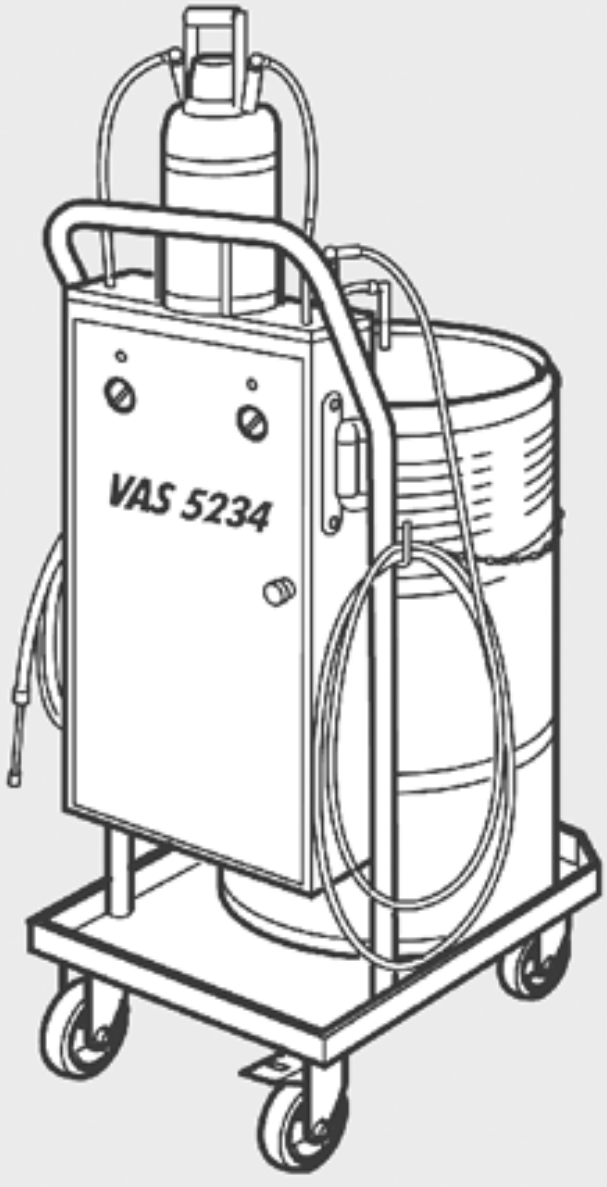
VAS 5234 Setup and Operation

SYSTEM OVERVIEWS


VAS 5234

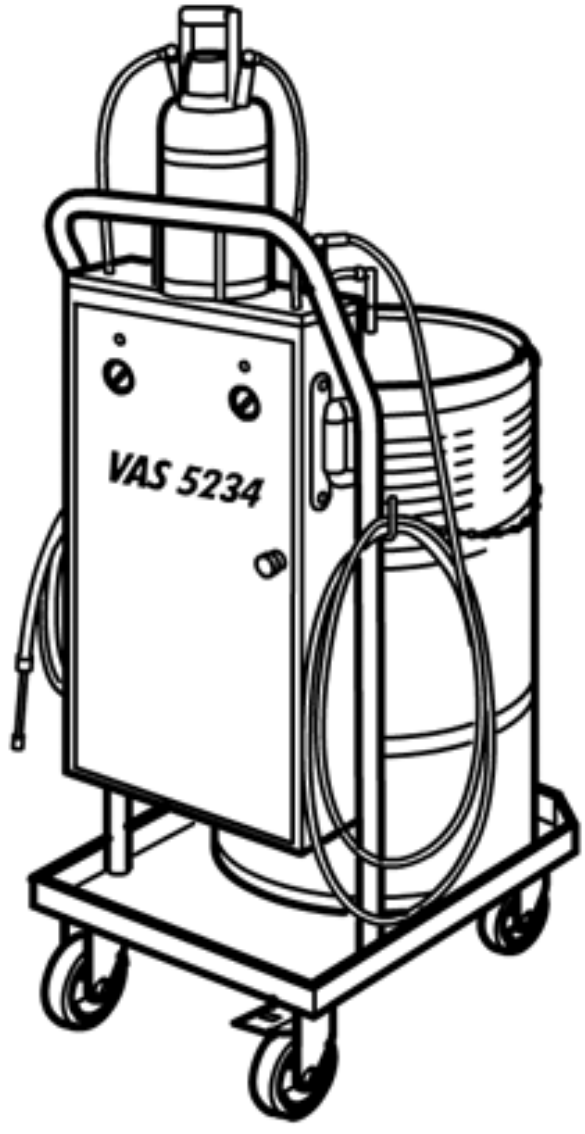
VAS 5234 Setup

SYSTEM OVERVIEWS

VAS 5234 Setup

The **VAS 5234** is a tool used to fill and bleed brake systems on Volkswagen vehicles.

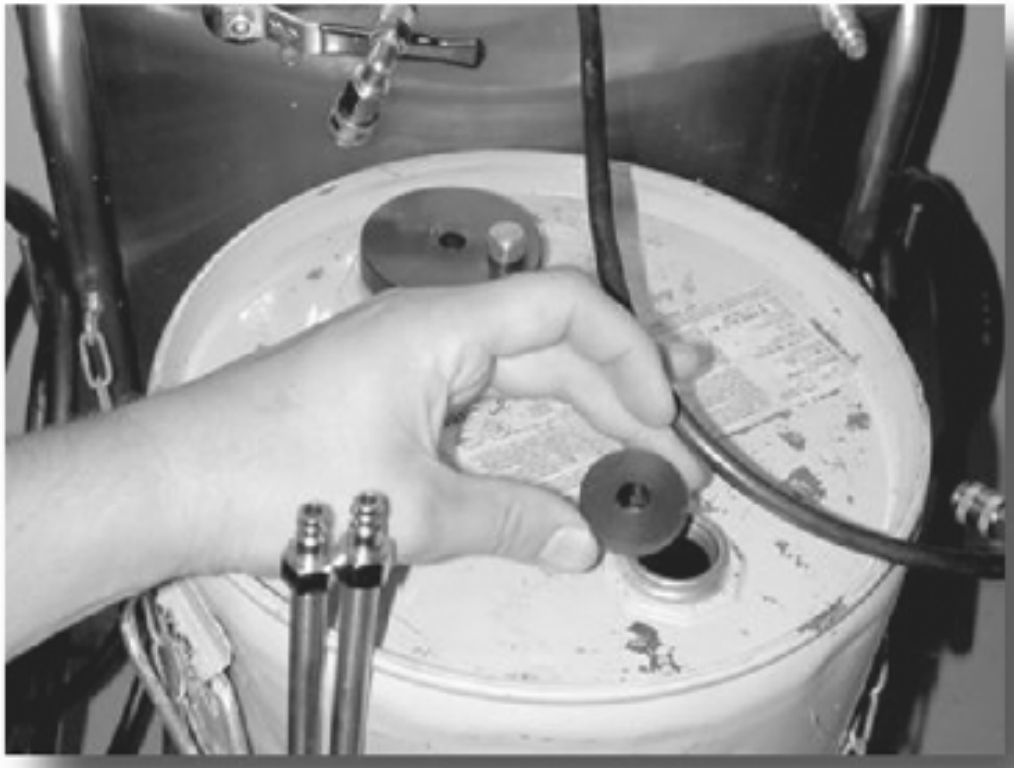
This module will explain the setup of the **VAS 5234**.



VAS 5234 Setup

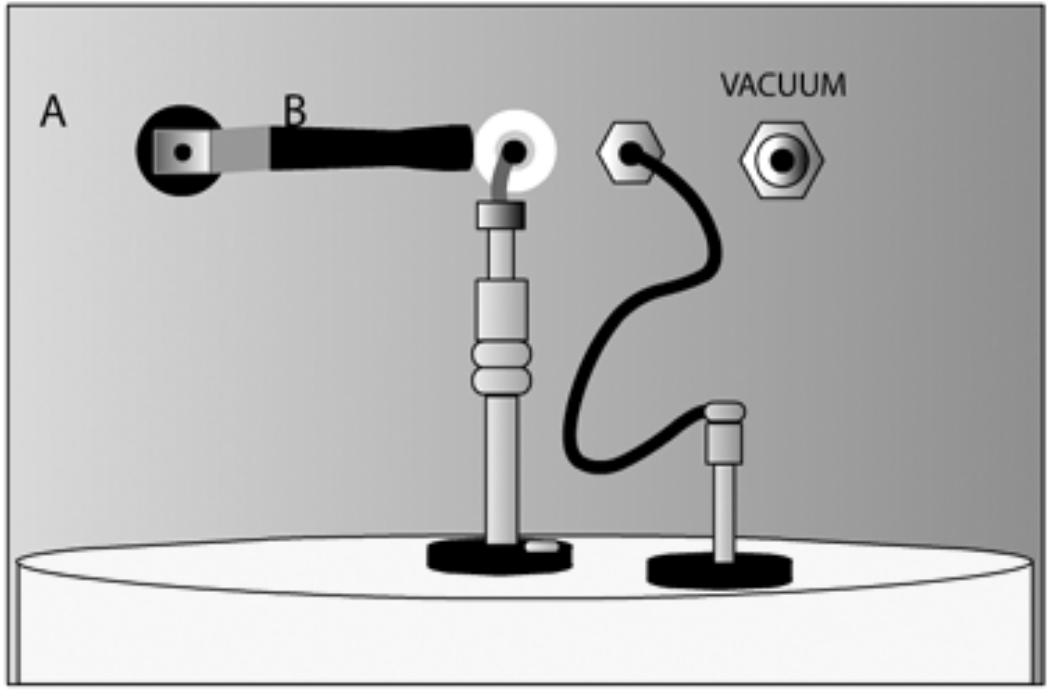
Set a new can of brake fluid in place and remove the sealing caps.

Install the large and small plugs in the large and small holes.



VAS 5234 Setup

Start with the filling lever in the **"B"** position.



VAS 5234 Setup

Next, insert the suction pipes through the center of the large and small plugs and push them all the way to the bottom of the brake fluid canister.

VAS 5234 Setup

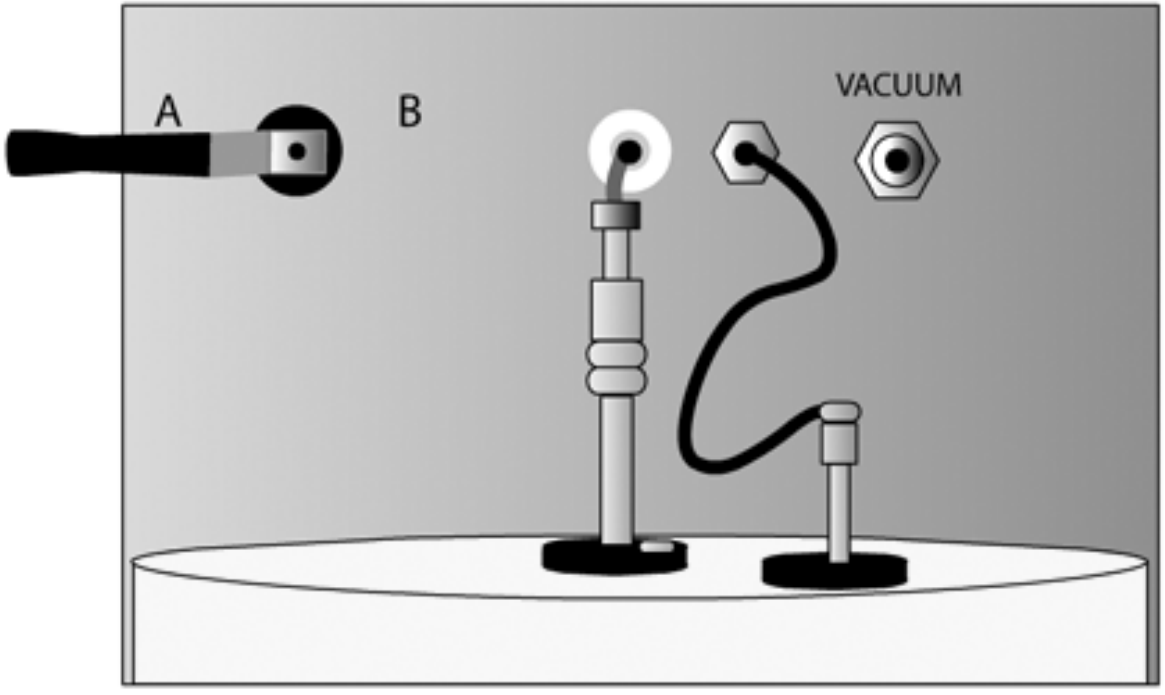
Connect the suction hose to the suction pipe which runs through the large plug on the brake fluid canister.

VAS 5234 Setup

Connect the return hose to the suction pipe which runs through the small plug on the brake fluid canister.

VAS 5234 Setup

Set the filling lever to position **"A"**.



VAS 5234 Setup

Connect the filling hose to the connection marked **"Self-Check"**.

VAS 5234 Setup

Connect compressed, dry shop air to the **VAS 5234**.

A signal will sound.

VAS 5234 Setup

Open the rear panel and tap (don't hold) the **Refill** button to allow fluid to enter the glass tube. Tap until the float in the glass tube is just below the upper stop.

The signal will stop.

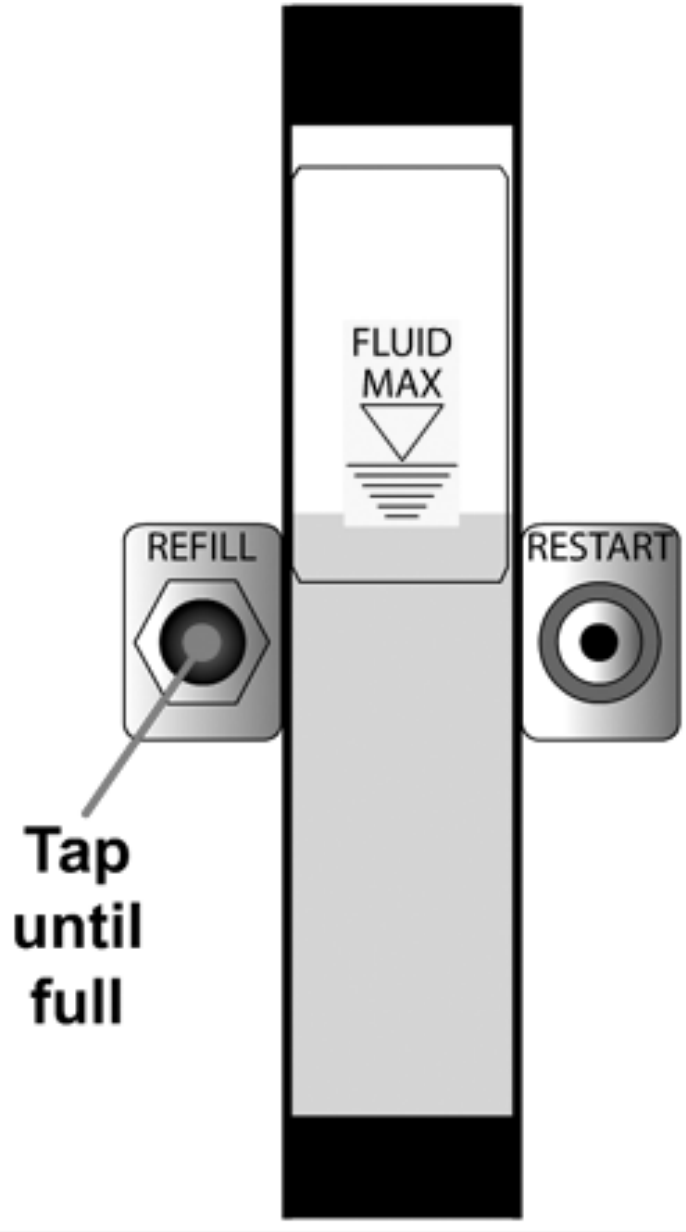
Note: If the Refill button is **held down**, even for a short time, the unit may overfill with fluid.

VAS 5234 Setup

Open the rear panel and tap (don't hold) the **Refill** button to allow fluid to enter the glass tube. Tap until the float in the glass tube is just below the upper stop.

The signal will stop.

Note: If the Refill button is **held down**, even for a short time, the unit may overfill with fluid.



VAS 5234 Setup

Briefly press the **Restart** button.

Allow the unit to circulate all the air out of the system. This can be viewed through the **Sight Glass** on the outside of the unit.

Flow is indicated by the check ball rising to the top of the **Sight Glass**.

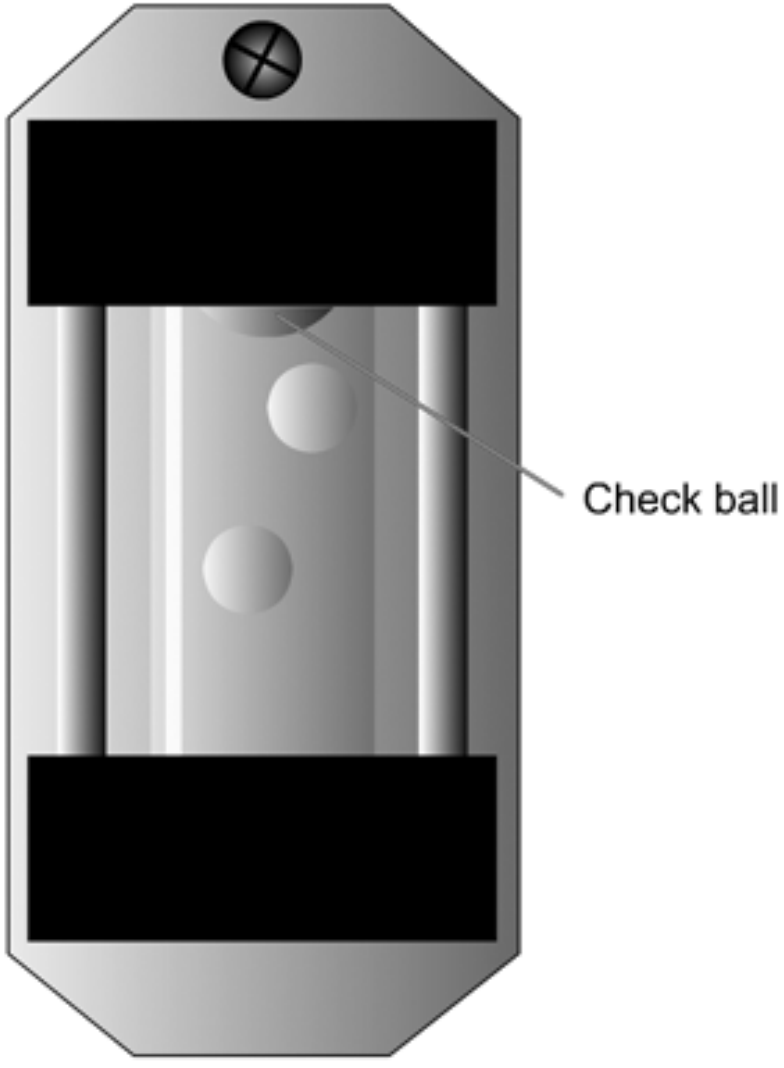
VAS 5234 Setup

Briefly press the **Restart** button.

Allow the unit to circulate all the air out of the system. This can be viewed through the **Sight Glass** on the outside of the unit.

Flow is indicated by the check ball rising to the top of the **Sight Glass**.

The **VAS 5234** is now ready to use.



VAS 5234 Setup

Disconnecting shop air will cause the unit to stop circulating the brake fluid.

VAS 5234 Setup

Use new brake fluid with part number B 000 700 A.

Brake Fluid is hygroscopic, which means it absorbs moisture from the ambient air, and should always be stored in airtight containers.

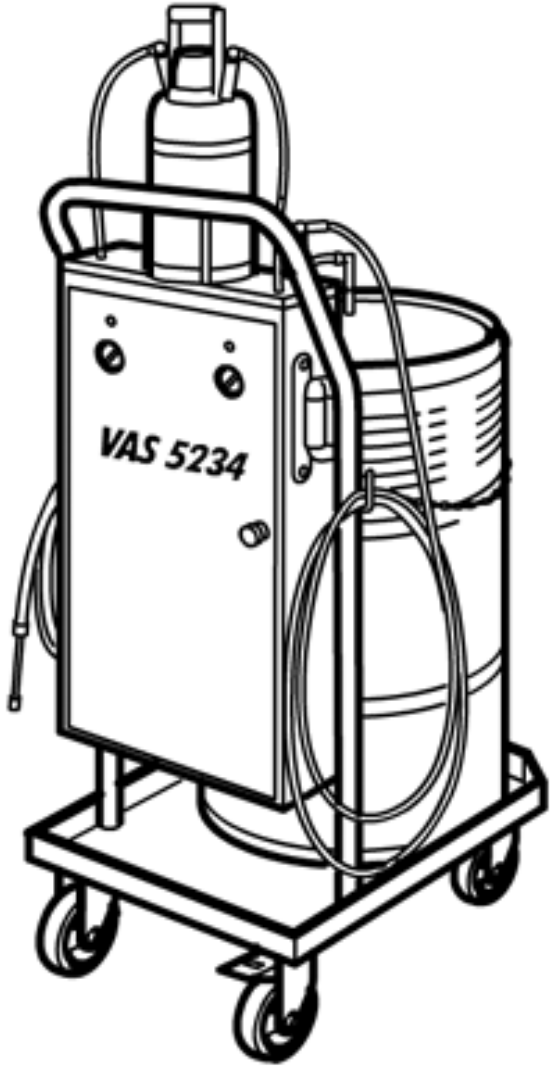
Rinse off brake fluid spillages by using plenty of water.

Brake fluid must not come into contact with paint work, as it is very corrosive.

WARNING!

Make sure that a filling pressure of 1 or 2 bar (14.5 or 29 psi, as recommended by the correct repair manual in VESIS) is not exceeded when filling brake fluid using the VAS 5234.

Brake fluid is poisonous.



☑ **Module complete**

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VAS 5234 Operation

SYSTEM OVERVIEWS

VAS 5234 Operation

Before using the **VAS 5234** to bleed the brake system, make sure:

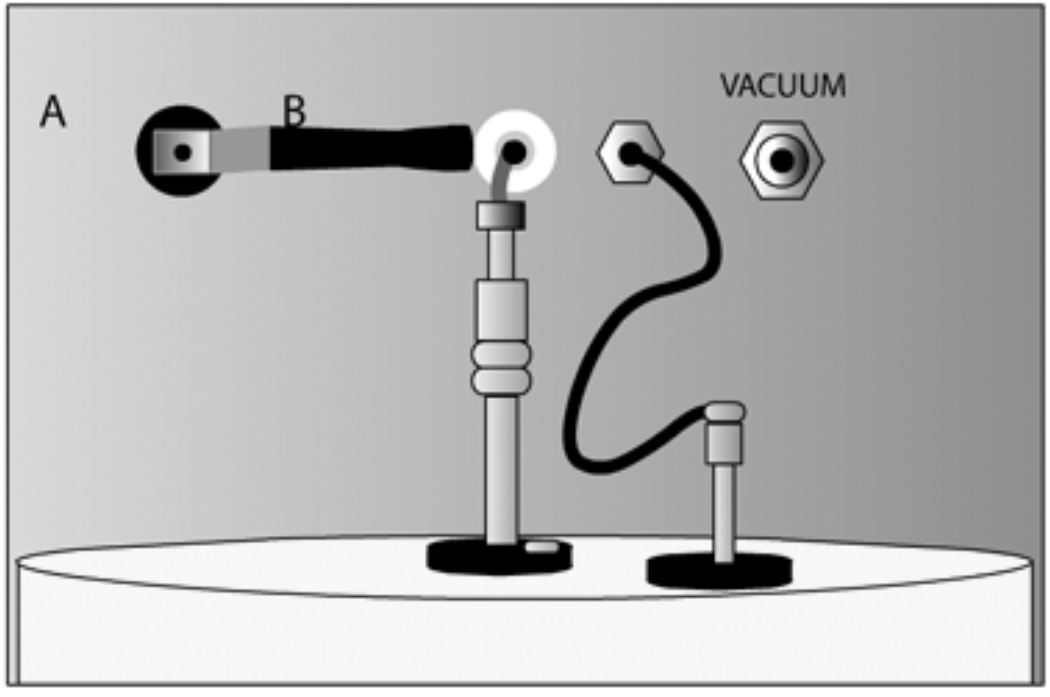
- The unit is connected to dry shop air

VAS 5234 Operation

Before using the **VAS 5234** to bleed the brake system, make sure:

- The unit is connected to dry shop air
- The lever on the front is set to the **"B"** position

This assures that no pressure is allowed to flow through the system.



VAS 5234 Operation

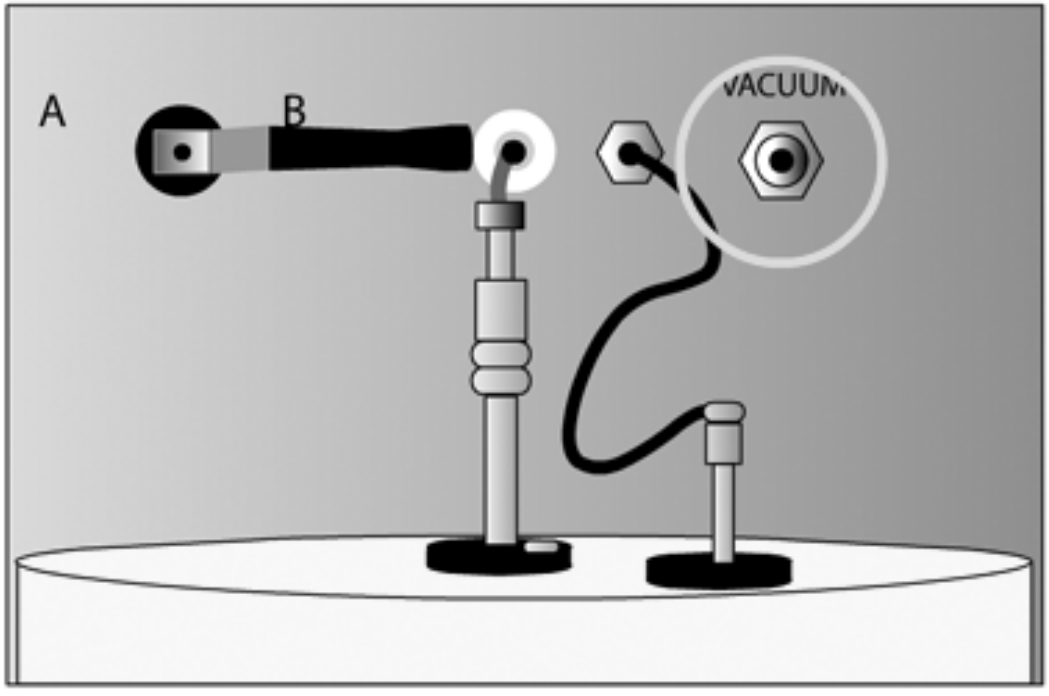
Set the filling pressure with the pressure knob in the rear of the **VAS 5234** to either 1 or 2 bar, depending on the vehicle.

The correct pressure for the vehicle is detailed in **VESIS**.

Using the incorrect pressure can cause air to be trapped in the system. More pressure is not always better.

VAS 5234 Operation

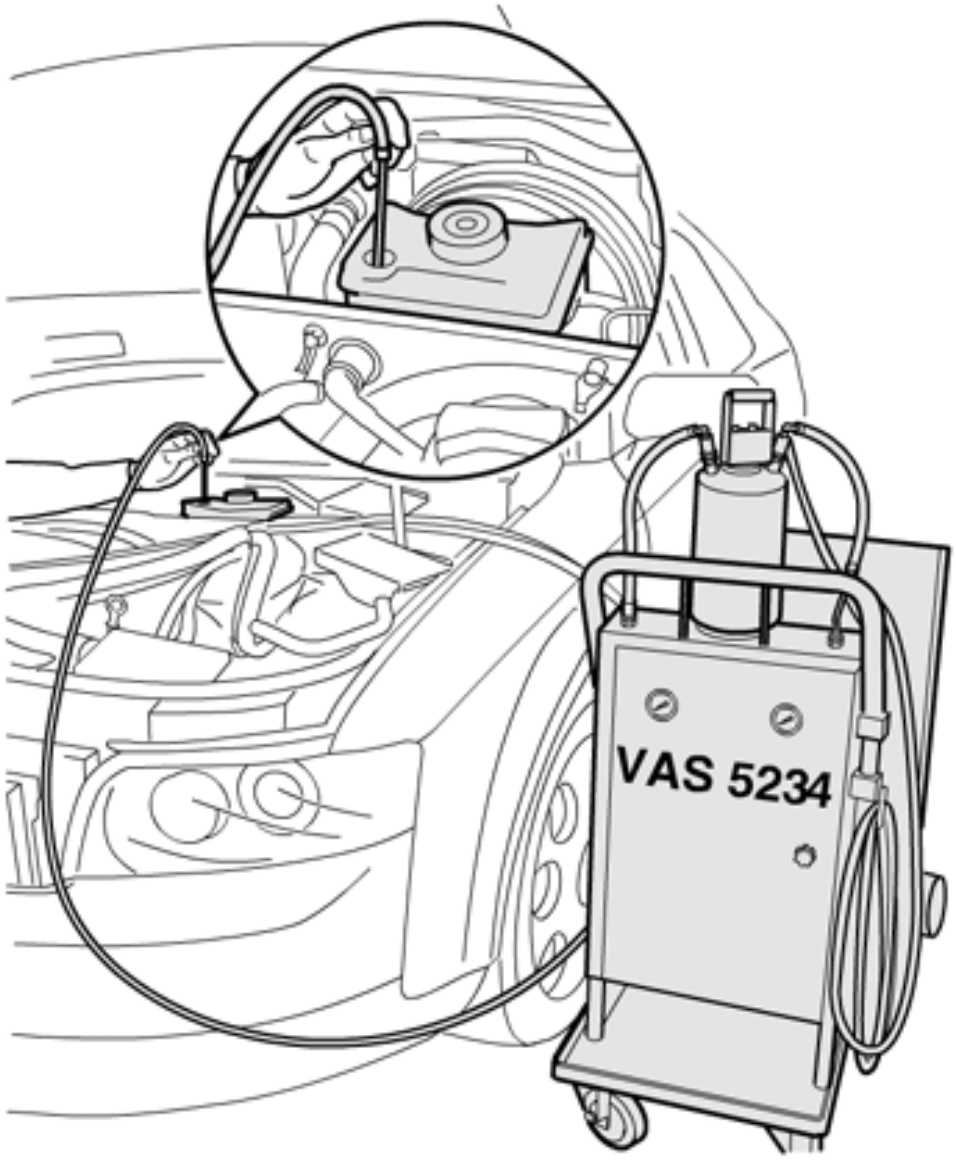
Switch on the vacuum to prepare for suction of brake fluid from the master cylinder.



VAS 5234 Operation

Open the nozzle on the end of the suction hose ½ turn, and extract as much fluid as possible from the master cylinder.

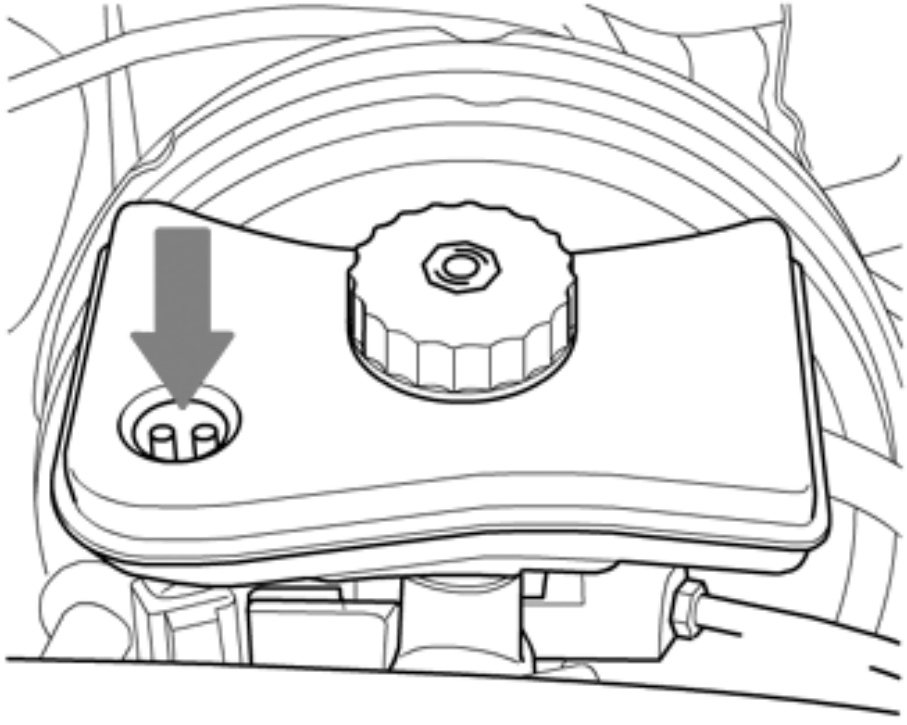
Note: The screen should never be removed from the brake fluid reservoir of the vehicle to avoid debris contamination of the brake fluid.



VAS 5234 Operation

Some vehicles have a service port with two separate tubes. Remove the small cap covering the service ports and loosen or remove the brake fluid cap. Then, connect the siphon tube to each of these tubes until the fluid stops flowing.

Note: The screen should never be removed from the brake fluid reservoir of the vehicle to avoid debris contamination of the brake fluid.

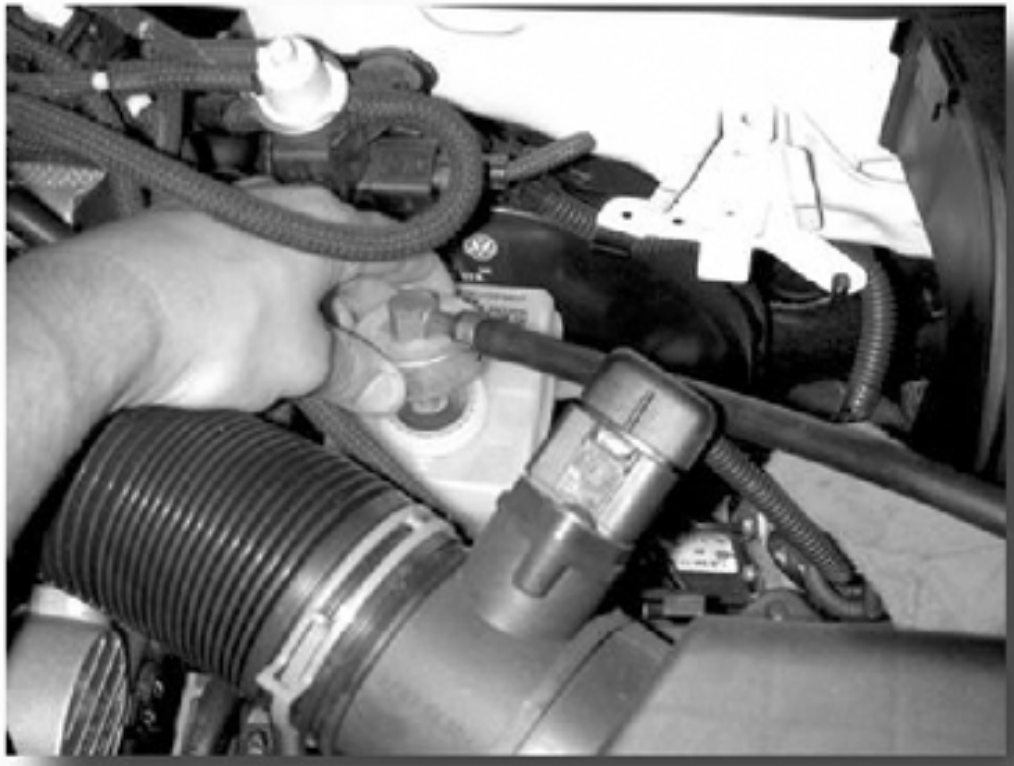


VAS 5234 Operation

When the brake fluid reservoir is empty, switch off the vacuum and close the nozzle.

VAS 5234 Operation

Screw the filling adapter onto the brake fluid reservoir on the vehicle.



VAS 5234 Operation

Connect the filling hose from the **VAS 5234** to the filling adapter. Move the filling lever to the **"A"** position to pressurize the system and start the filling process.

The reservoir is full when the **"Fluid"** pressure gauge has reached either 1 or 2 bar, depending on the vehicle.

If the filling adapter is not tight, the **VAS 5234** will never get to the correct pressure and brake fluid will spill out.

VAS 5234 Operation

Connect the filling hose from the **VAS 5234** to the filling adapter. Move the filling lever to the **"A"** position to pressurize the system and start the filling process.

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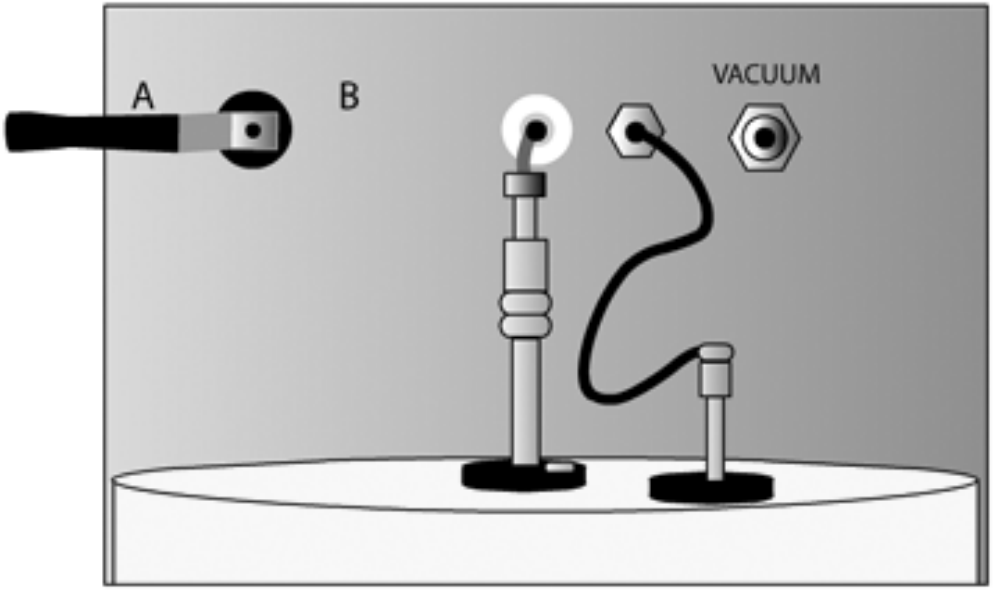


VAS 5234 Operation

Raise the vehicle on a lift.

Detach the catch bottle from the **VAS 5234** and connect it to the bleeding hose.

Follow **VESIS** for the correct sequence of bleeding wheels and valves.

Do not assume that the farthest wheel is the place to start. Some procedures start at the closest wheel.

VAS 5234 Operation

To start the bleeding process, push the rubber grommet of the bleeder hose onto the correct bleeder valve of the vehicle.

Begin bleeding the brake system according to **VESIS**.

VAS 5234 Operation

When the bleeding process is complete, place the catch bottle on top of the **VAS 5234** for later disposal of the old brake fluid.

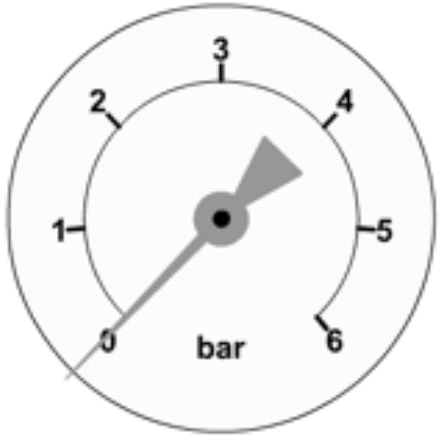
VAS 5234 Operation

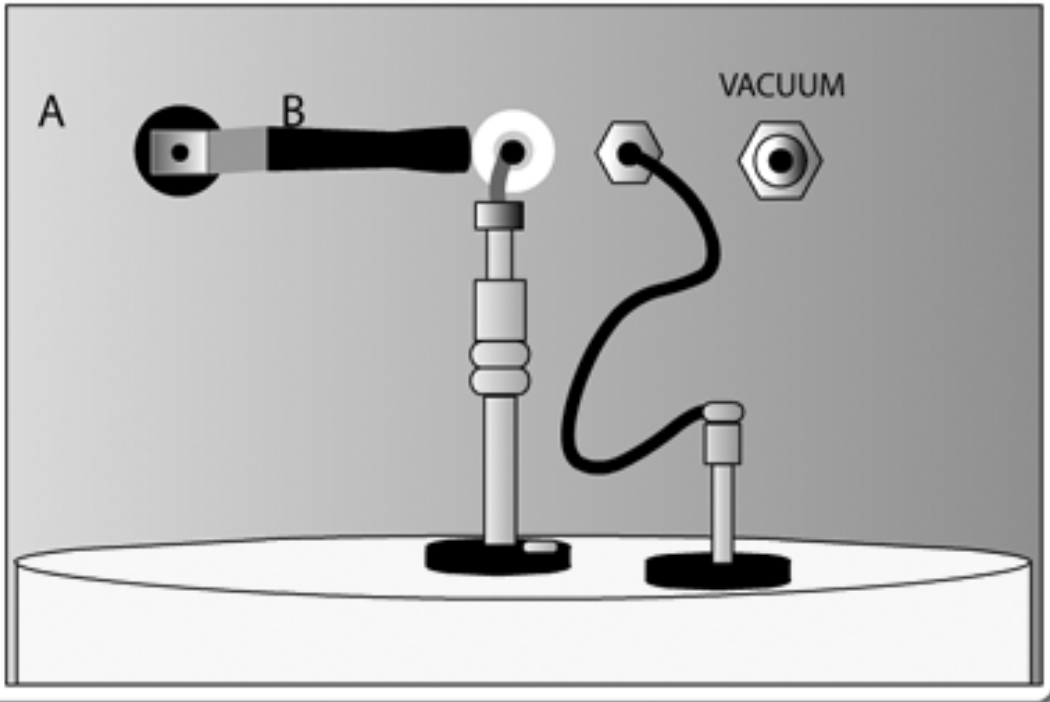
The vehicle's brake system now needs to be depressurized.

Move the filling lever to the **"B"** position and wait until the pressure on the **"Fluid"** gauge has dropped.

The amount of time it will take for the pressure to drop is approximately 15 seconds.

Caution: Do not disconnect the **VAS 5234** from the vehicle until the pressure has dropped completely or pressurized brake fluid may leak.





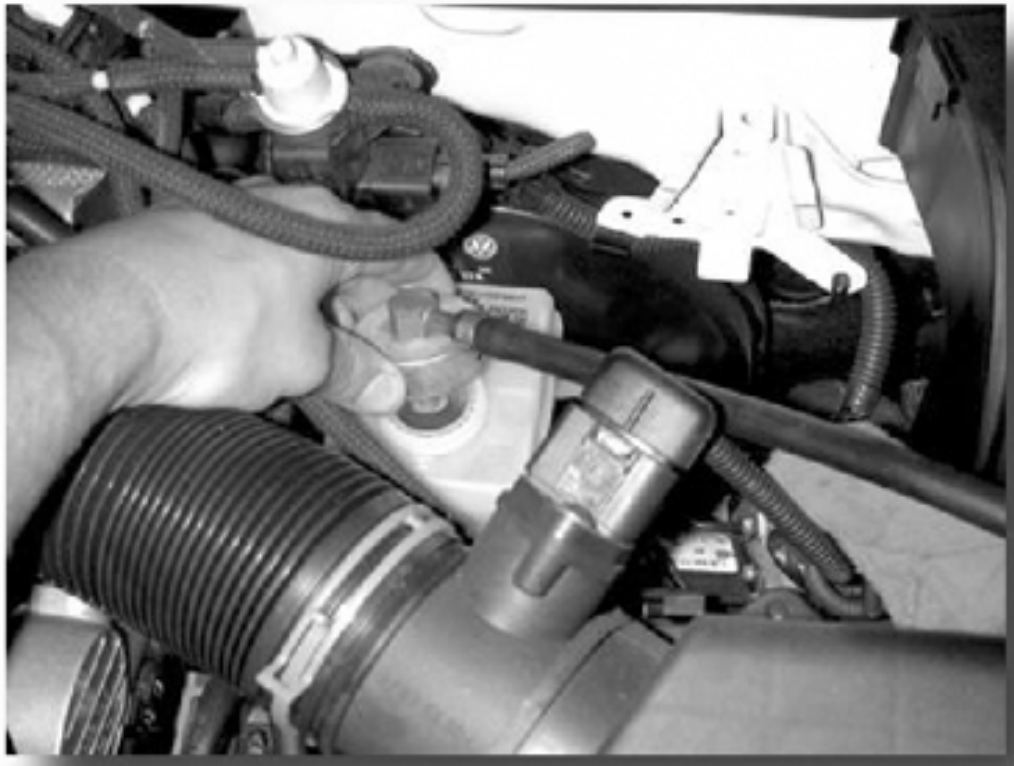
VAS 5234 Operation

Disconnect the hose from the filling adapter and connect it to the **Self-Check** connection.

VAS 5234 Operation

Unscrew the filling adapter from the brake fluid reservoir of the vehicle.

Reinstall the brake fluid cap on the vehicle.

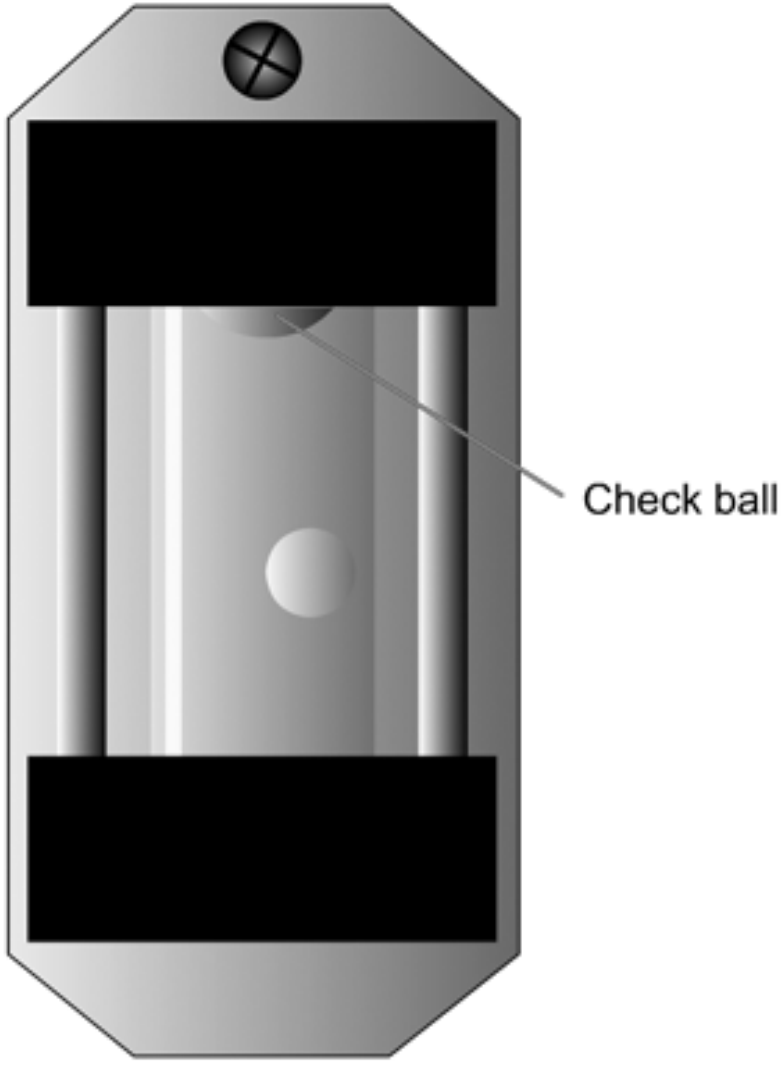


VAS 5234 Operation

Set the filling lever to the **"A"** position.

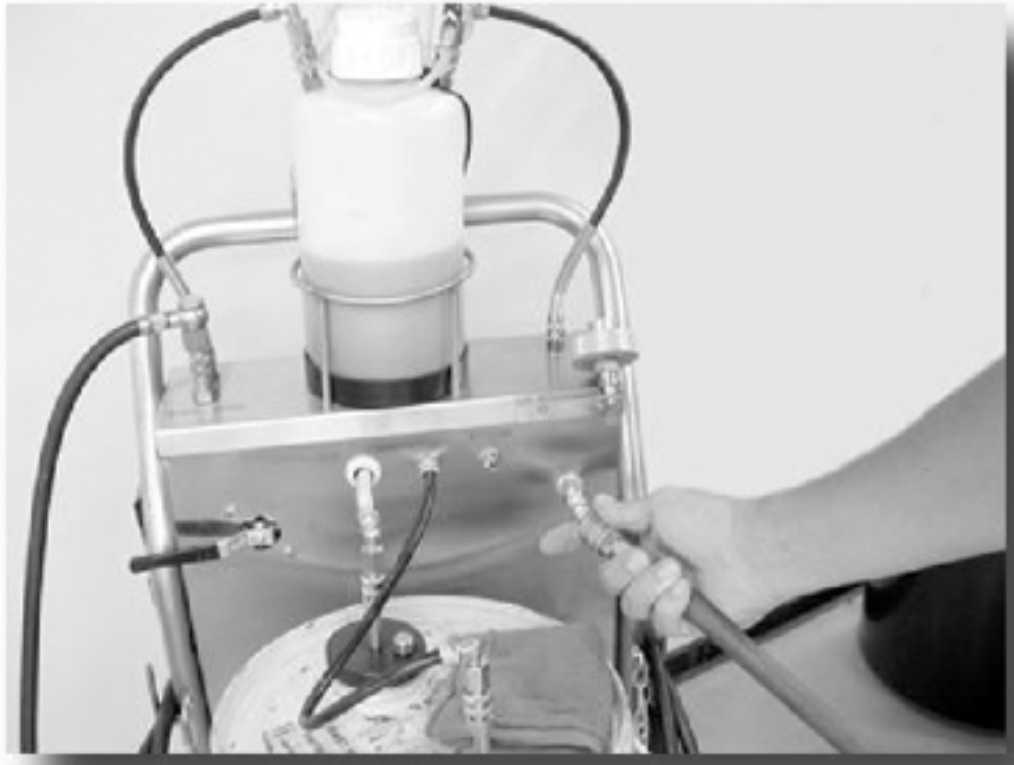
The device will do a **Self-Check** to make sure no air is in the system. Flow is indicated by the check ball rising to the top of the **Sight Glass**.

After approximately 30 seconds, bubbles should no longer be seen in the **Sight Glass**.



VAS 5234 Operation

Remember to disconnect the **VAS 5234** from the shop air when it is not in use.



VAS 5234 Operation

Use new brake fluid with part number B 000 700 A.

Brake Fluid is hygroscopic, which means it absorbs moisture from the ambient air, and should always be stored in airtight containers.

Rinse off brake fluid spillages by using plenty of water.

Brake fluid must not come into contact with paint work, as it is very corrosive.

WARNING!

Make sure that a filling pressure of 1 or 2 bar (14.5 or 29 psi, as recommended by the correct repair manual in VESIS) is not exceeded when filling brake fluid using the VAS 5234.

Brake fluid is poisonous.

☑ **Module complete**

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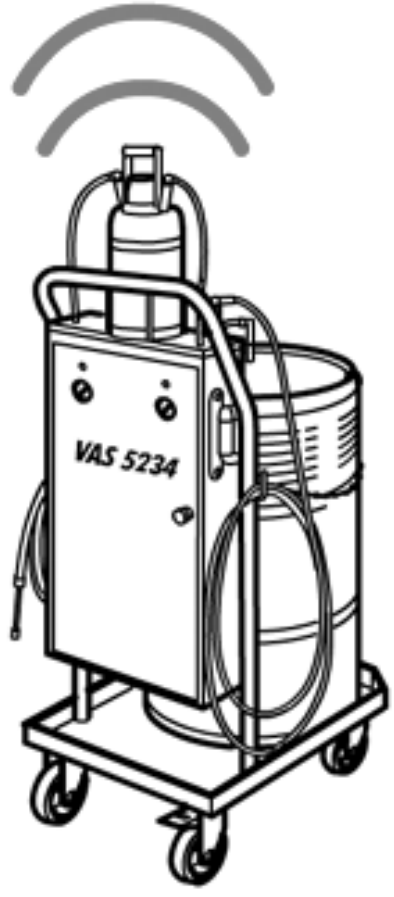
VAS 5234 Automatic Switch-Off

SYSTEM OVERVIEWS

Automatic Switch-Off

When the new brake fluid container is empty, the **VAS 5234** will emit an alarm.

Follow this procedure to install a new container of brake fluid while performing either the filling or bleeding procedure on a vehicle.

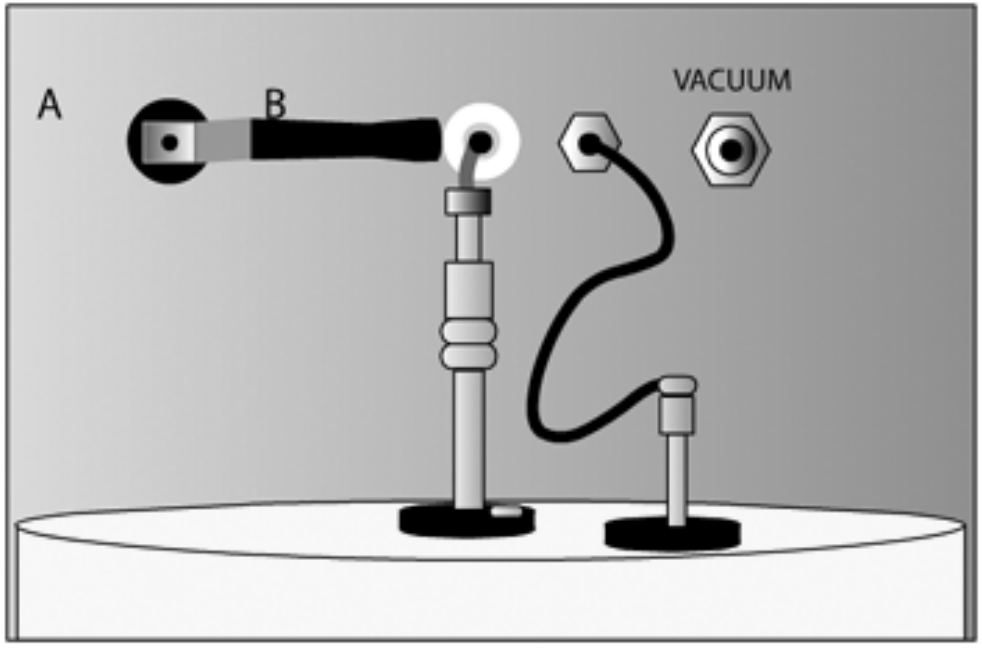


Automatic Switch-Off

If bleeding the brakes:

- Close the bleeder valve on the vehicle
- Move the filling lever to the **"B"** position to stop fluid flow.
- Install a new container of brake fluid.

Follow the steps in the **Setup** section for the correct installation of components onto the new brake fluid canister.



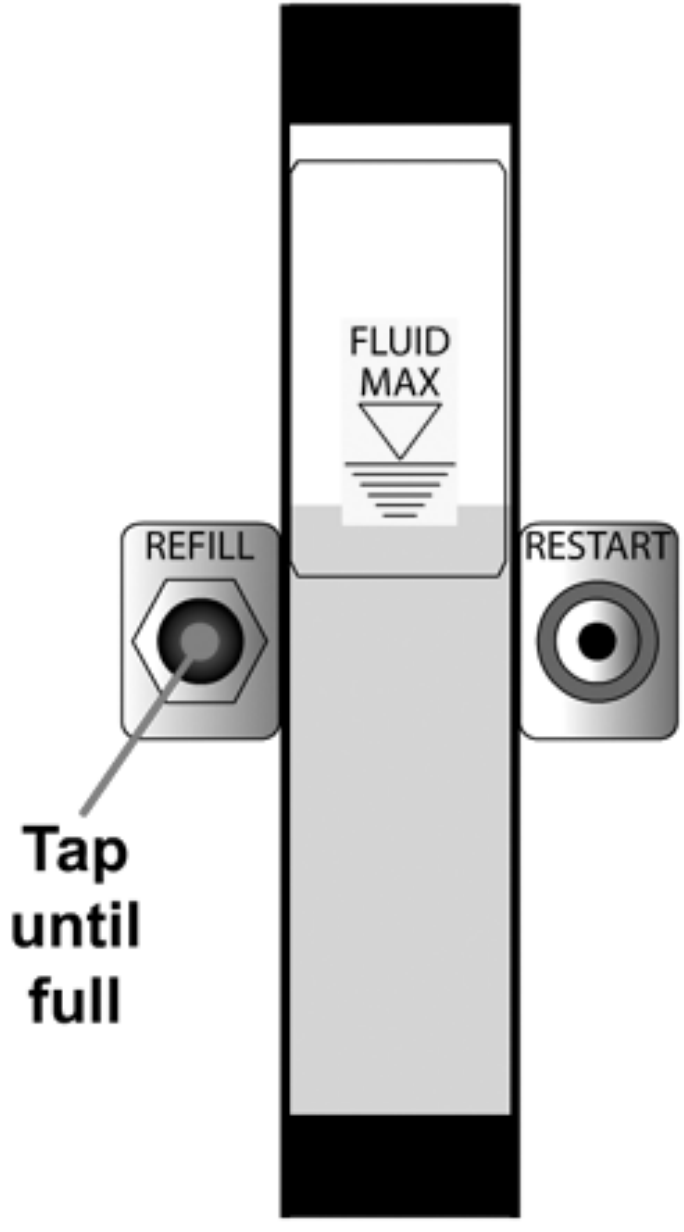
Automatic Switch-Off

Open the rear panel of the **VAS 5234**.

Tap the **Refill** button until the float in the glass tube of the separating unit is just below the upper stop.

The **VAS 5234** will stop emitting the alarm at this point.

Note: If the Refill button is **held down**, even for a short time, the unit may overfill with fluid.



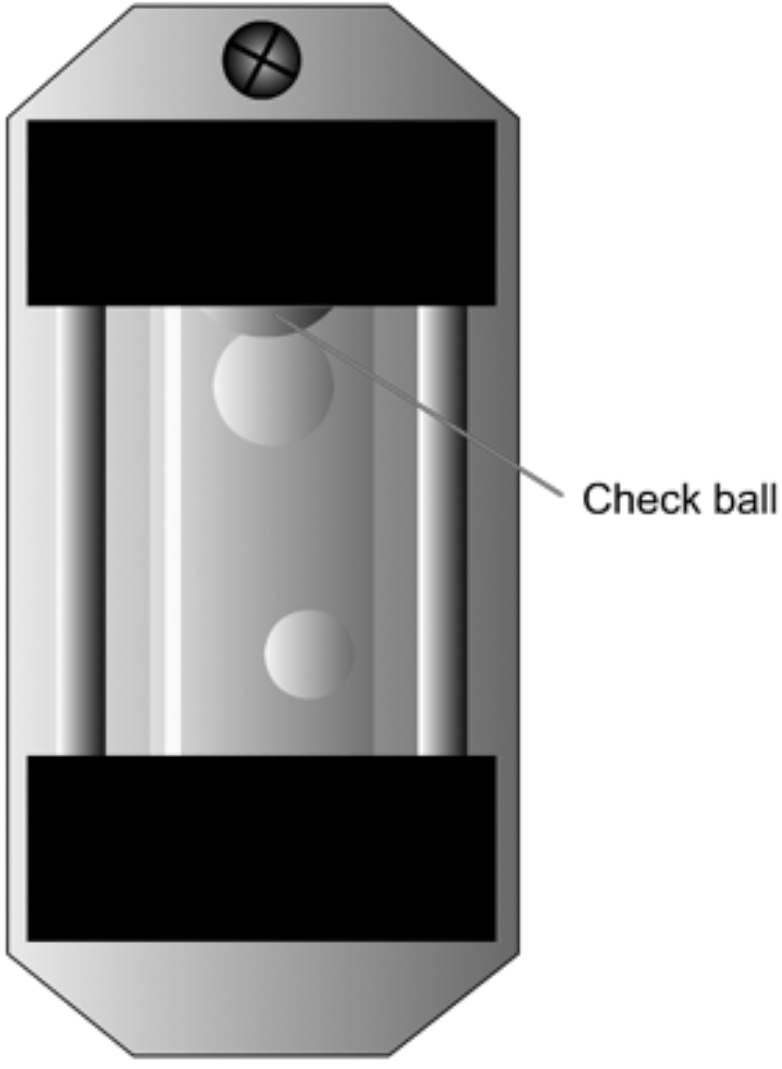
Automatic Switch-Off

Briefly press the **Restart** button.

Automatic Switch-Off

Move the filling lever to the **"A"** position.

Allow the unit to operate until no bubbles can be seen in the **Sight Glass**. Flow is indicated by the check ball rising to the top of the **Sight Glass**.



Automatic Switch-Off

Continue either the filling or bleeding procedure on the brake system.

Automatic Switch-Off

Use new brake fluid with part number B 000 700 A.

Brake Fluid is hygroscopic, which means it absorbs moisture from the ambient air, and should always be stored in airtight containers.

Rinse off brake fluid spillages by using plenty of water.

Brake fluid must not come into contact with paint work, as it is very corrosive.

WARNING!

Make sure that a filling pressure of 1 or 2 bar (14.5 or 29 psi, as recommended by the correct repair manual in VESIS) is not exceeded when filling brake fluid using the VAS 5234.

Brake fluid is poisonous.

Module complete

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