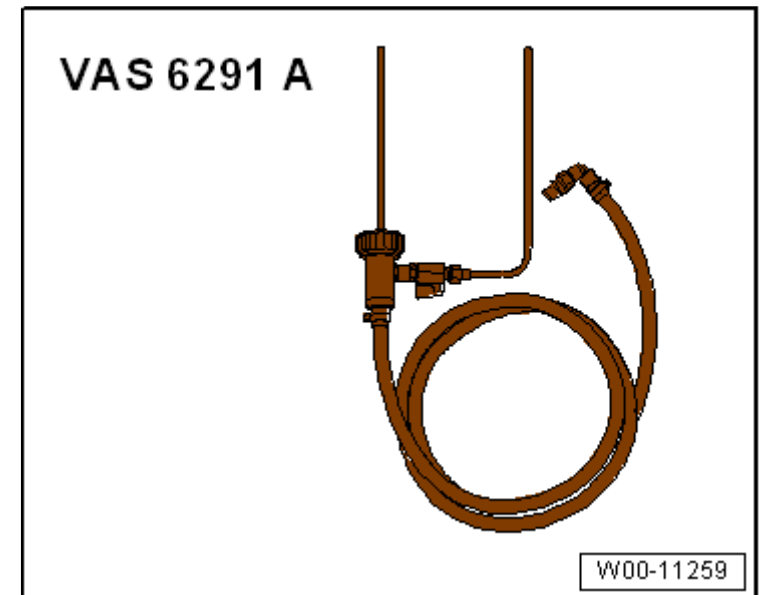


Filling up ATF, 0BE, 0BF

Special tools and workshop equipment required

- ♦ Vehicle diagnostic tester
- ♦ Charging device for Haldex coupling 2 -VAS 6291- or -VAS 6291A-



- ♦ Adapter for oil filling -VAS 6291/3-
- ♦ Drip tray

Test conditions:

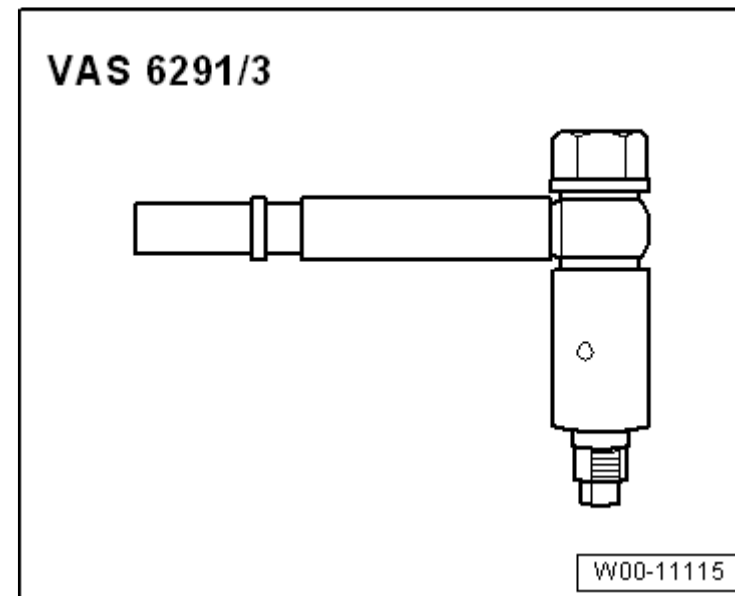
- Rear final drive must be in installation position.
- Vehicle must be level (horizontal).
- ATF drain plug must be inserted and tightened. Tightening torque → **Item**

**Caution**

Risk of damage to rear final drive.

- ♦ ***Use only the ATF available as a replacement part → [Electronic parts catalogue](#).***
- ♦ ***Other lubricants will cause malfunctions and/or failure of the final drive.***
- ♦ ***Select correct type → [Electronic parts catalogue](#).***
- ♦ ***The ATF charging device must be clean and the ATF must not be mixed with other types of oil!***

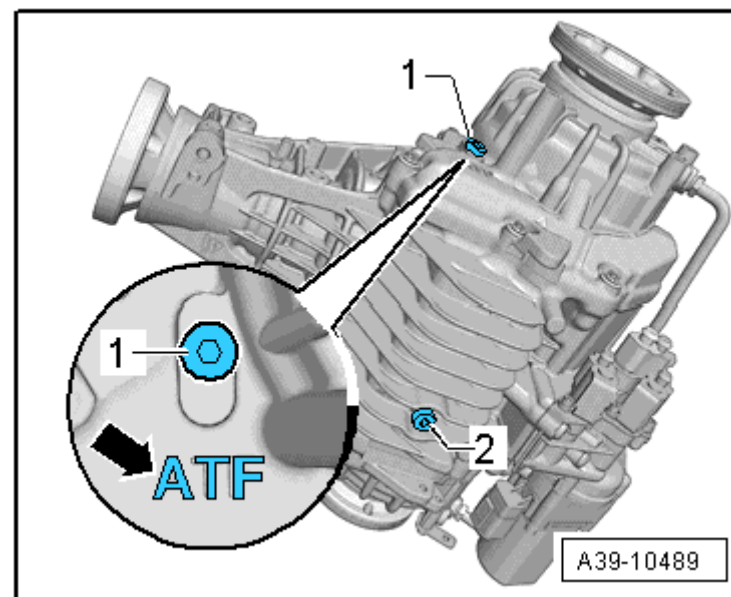
- For topping up, use charging device -VAS 6291-.
- Raise vehicle.



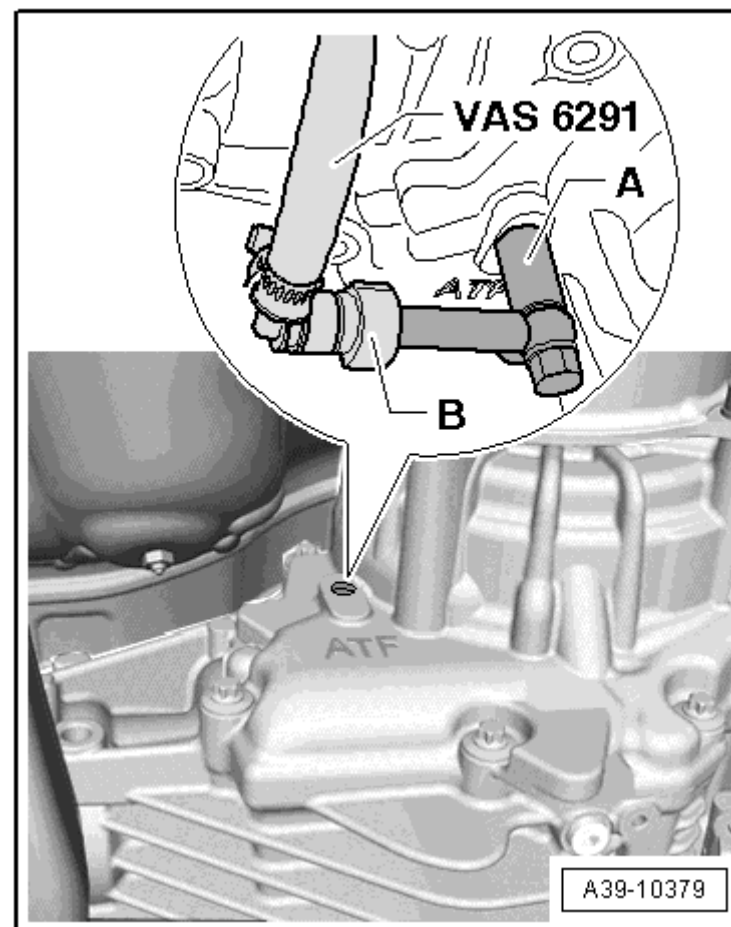
- Unscrew ATF inspection plug -1-.

**Caution**

The inspection plug -1- for checking the ATF level is located on the left side of the rear final drive. Identification: »ATF« on final drive housing -arrow-.

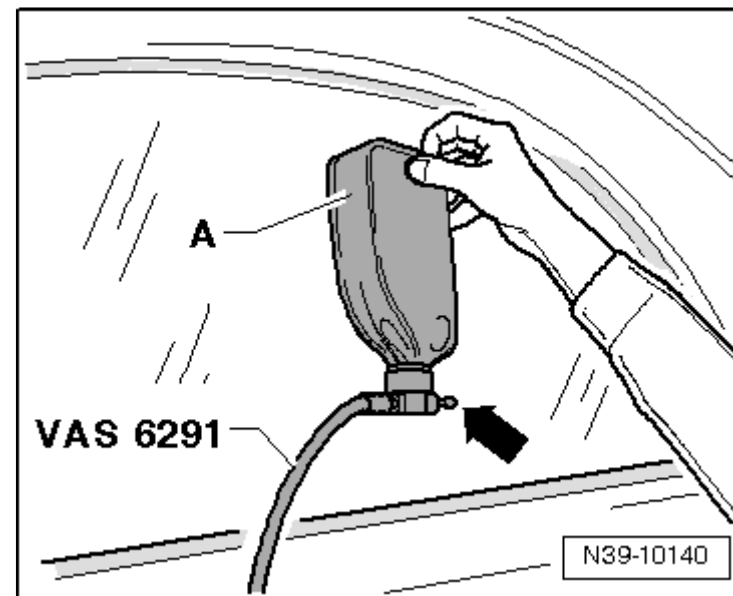


- Disconnect adapter -A- and elbow joint -B-.
- Screw adapter -A- in onto stop.
- Connect elbow joint -B- and adapter -A-, making sure they engage.
- Route hose above drive shaft (left-side).
- The hose must not hang down. It must emerge above rear wheel on left side of vehicle.
- Lower vehicle.



- Please make sure that valve -arrow- is closed.
- Screw oil container -A- onto charging device -VAS 6291-.
- Now open valve -arrow- and hold oil container as shown in illustration.

The hydraulic control unit and the superposition gears (left and right) in the rear final drive will now be filled.



- The hydraulic control unit for the rear final drive is filled correctly when ATF starts to come out at adapter -A-.

If no ATF has emerged at adapter -A-:

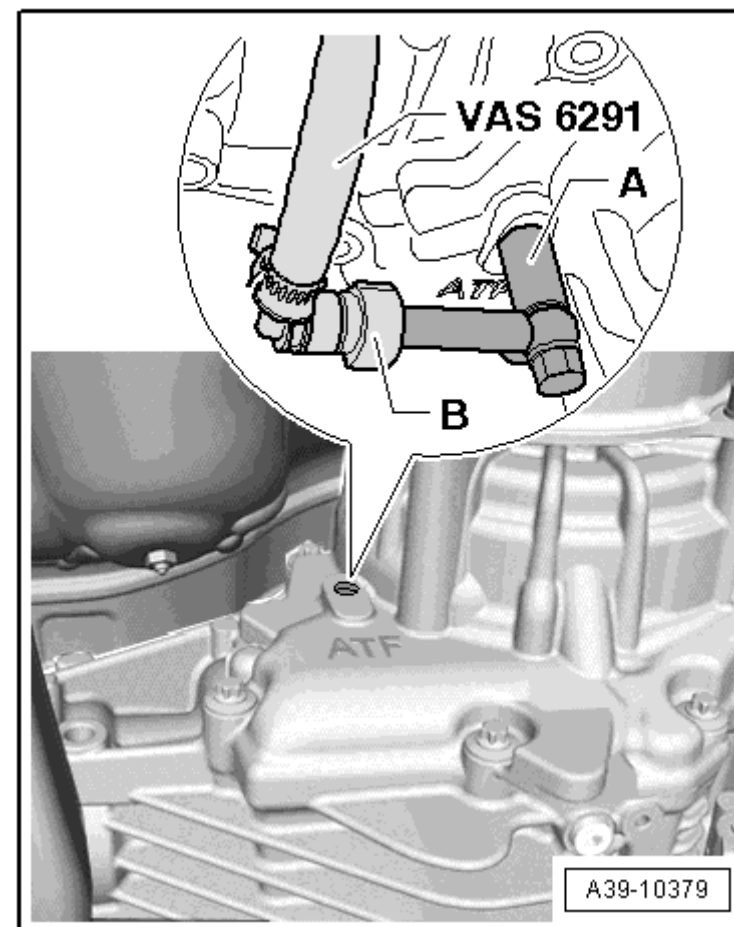
- Continue with filling procedure until fluid level is correct.

If ATF has emerged at adapter -A-:

- Raise vehicle.
- Place reservoir e.g. onto a workshop trolley.

Part of the excess oil will now flow back into the oil reservoir.

- Remove charging device -VAS 6291- as soon as ATF stops flowing back into the reservoir.
- The oil level is correct when the rear final drive is filled to the bottom lip of the filler hole.



- Screw in ATF inspection plug -arrow- hand-tight.
- Connect vehicle diagnostic tester and switch on ignition.
- Using vehicle diagnostic tester in **Guided Functions** mode, select **22 - Four-wheel electronics** and then select the function **22 - Adding ATF**.
- It is important to follow all instructions given by the vehicle diagnostic tester exactly.

Use vehicle diagnostic tester to fill and vent air from the system.

**Note**

*If the system detects that there is still air in the system after the function **22 - Adding ATF** has been performed, the filling process must be repeated.*

- Unscrew ATF inspection plug -arrow- once again.

Test condition:

- The ATF level is correct when the rear final drive is filled to the bottom lip of the filler hole -arrow-.
- Top up ATF if necessary.
- No entries (either static or sporadic) stored in event memory → **Vehicle diagnostic tester**.
- Screw in and tighten new ATF inspection plug -arrow-. Tightening torque → **Item**.

