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## WM 370235 Checking and topping up ATF

### Tools

Designation	Type	Number	Description	
Screw connection hose	Special tool	95071		<p>20</p>  <p>9507/1 000 721 950 71</p>
PIWIS Tester	Special tool	97180		<p>03</p>  <p>9718 000 721 971 80</p>

### Technical values

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Automatic transmission	Minimum permitted ATF temperature	ATF temperature	30 degrees Celsius		
Automatic transmission	Maximum permitted ATF temperature	ATF temperature	40 degrees Celsius		
Automatic transmission	ATF high temperature at start of test	ATF temperature	40 gradCelsius		
Automatic transmission	Engagement duration of transmission range	Time	10 s		
Cap nut		Tightening torque	40 Nm (30 ftlb.)		
ATF control screw		Tightening torque	22 Nm (16 ftlb.)		

### Information

### Notes

**Information**

Fill only with ATF approved by Porsche. See Spare Parts Catalogue.

**Information**

Hot vehicles should cool down before beginning the activity.

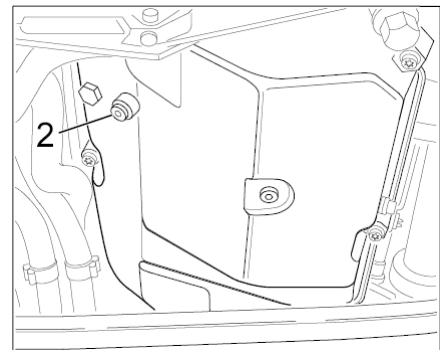
**Information**

Vehicle must be horizontal in order to be filled and checked.

## Preliminary work

### Preliminary work

1. Raise the vehicle at the prescribed jacking points. → *400000 Lifting the vehicle*
2. Place oil collection pan under the transmission.
3. Remove the underbody panels. → *519419 Removing and installing rear trim - removing*
4. Unscrew control screw **-2-** .

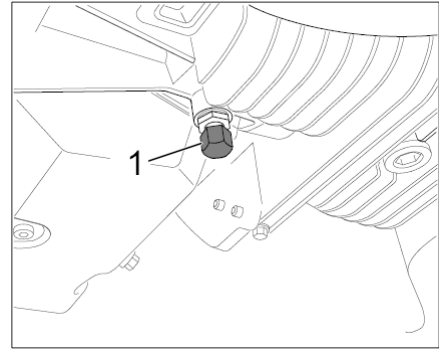


ATF — control screw

**Information**

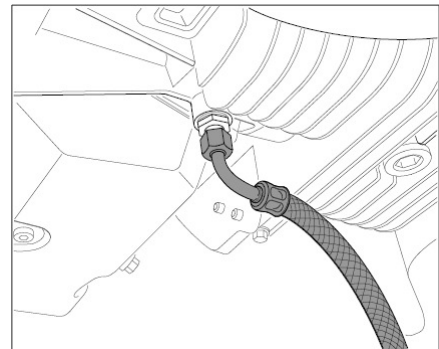
To undo and tighten the cap nut for the charging valve, counter with a ring wrench!

5. Screw off cap nut **-1-** for the charging valve.



*Cap nut for ATF — charging valve*

6. **Screw connection hose 95071** onto charging valve.



*Connection hose onto ATF — charging valve*

## Checking and topping up ATF

### Checking and topping up the ATF

- The transmission must not be in the reduced driving program.
- The ATF temperature must be between → **ATF temperature: 30 degrees Celsius** and → **ATF temperature: 40 degrees Celsius**. An ATF inspection when the temperature is too high causes insufficient filling, while an inspection when the temperature is too low causes over-filling.
- The selector lever must be in position "P" and the engine must be idling.
- The air conditioning must be switched off.
- The vehicle must stand horizontally.



#### Information

The ATF temperature at the start of testing must not be higher than → **ATF temperature: 40 gradCelsius**.

1. **PIWIS Tester 97180** must be connected before calling up the ATF temperature.
2. Put selector lever in position "P", start vehicle, and allow engine to idle.
3. Top up ATF via the charging valve until ATF runs out at the control bore.

4. With the brake pedal pressed, change through all selector lever positions, remaining in each position for approximately → **Time: 10 s.**



#### Hot fluid

- **Danger of scalding**

- Let the fluid cool down.
- Wear personal protective gear.

5. Top up ATF through the charging valve again until ATF emerges at the inspection bore.

## Subsequent work

### Subsequent work

1. **Unscrew connection hose 95071** from ATF — charging valve.
2. Replace sealing ring for cap nut and screw on cap nut. → **Tightening torque: 40 Nm (30 ftlb.)**
3. Replace sealing ring for ATF control screw and screw in ATF control screw. → **Tightening torque: 22 Nm (16 ftlb.)**
4. Fit underbody panels. → *519419 Removing and installing rear trim - installing*
5. Lower the vehicle.

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997110, 997111, 997120, 997121, 997310, 997311, 997320, 997321, 997410, 997411, 997420, 997421, 997430, 997431, 997510, 997511, 997520, 997521, 997610, 997611, 997620, 997621, 997630, 997631

Model year as of 2005, Model year up to 2008

C00, C02, C05, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C32, C33, C34, C35, C36, C37, C38, C39, C45, C46, C98, C99