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WM 370235 Checking and topping up ATF

Tools

Designation	Type	Number	Description	
Adapter for filling oil VAS 6262A	Workshop equipment	WE 1389		
Adapter for filling ATF oil VAS 6262/2	Workshop equipment	WE 1390		

Technical values

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Oil inspection plug	To ATF pan	Tightening torque	16 Nm (12 ftlb.)	+/-1 Nm (+/-0.5 ftlb.)	
Oil inspection plug	To ATF pan	Tightening torque	16 Nm (12 ftlb.)	+/-1 Nm (+/-0.5 ftlb.)	

Information

Test conditions with cooler lines closed

ATF cooler lines were not opened.

For example: during a general inspection, when replacing sealing rings or changing ATF filter.

- Warm up transmission in lower load range. Switch all transmission ranges several times while doing so.
- Read out the ATF temperature using the PIWIS Tester.
- ATF temperature: 35 – 45 °C.
- Selector lever is in position P.
- Press the brake pedal and shift the gear lever slowly through P-R-N-D three times. Hold the selector lever in each position for 2 seconds.
- Test and filling procedure at idle speed with air conditioning switched off.

Test conditions after opening cooler lines

ATF cooler lines were opened.

For example: when replacing the transmission, changing ATF, changing ATF lines, replacing ATF cooler, replacing ATF thermostat.

- Warm up transmission in lower load range. Switch all transmission ranges several times while doing so.
- Read out the ATF sump temperature using the PIWIS Tester.
- The ATF temperature must be 100 °C (cooling system open).
- Let ATF cool down to approx. 35 °C.
- Selector lever is in position P.
- Press the brake pedal and shift the gear lever slowly through P-R-N-D three times. Hold the selector lever in each position for 2 seconds.
- Test and filling procedure at idle speed with air conditioning switched off.

Preliminary work for ATF

Preliminary work for ATF

1. Raise the vehicle to a horizontal position and secure it to prevent it from rolling away. → *4X00IN Lifting the vehicle*
2. Remove engine guard. → *108019 Removing and installing engine guard - section on "Removing"*

Checking ATF

Checking ATF

1. Move selector lever to position P and start the engine.
2. Place oil collection pan underneath.



Hot fluid

- **Danger of scalding**

→ Let the fluid cool down.

→ Wear personal protective gear.



Information

- *For details of the next steps, read the test conditions specified under → 370235 Checking and topping up ATF - section on "Information".*



Information

- *A certain amount of oil will always be lost after unscrewing the oil inspection plug. The reason for this is that some oil remains on the plug in the lifting tube.*

3. Unscrew oil inspection plug -1- .

ATF inspection plug

4. The oil level is correct when ATF is dripping continuously from the lifting tube. If this is not the case, add more ATF. → 370235 *Checking and topping up ATF - section on "Topping up"*
5. Screw in oil inspection plug -1- with a new seal. → **Tightening torque: 16 Nm (12 ftlb.) +/- 1 Nm (+/- 0.5 ftlb.)**

*ATF inspection plug***Topping up ATF****Topping up ATF****Information**

- *For details of the next steps, read the test conditions specified under → 370235 *Checking and topping up ATF - section on "Information"*.*

**Information**

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1. Move selector lever to position P and start the engine.
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**WARNING****Hot fluid**

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

**Information**

- *For details of the next steps, read the test conditions specified under → 370235 *Checking and topping up ATF - section on "Information"*.*

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3. Unscrew oil inspection plug -1- .

ATF inspection plug

4. Screw adapter for filling oil **Adapter for filling ATF oil VAS 6262/2 WE 1390** into the ATF pan hand-tight.
5. Connect adapter for filling oil **Adapter for filling oil VAS 6262A WE 1389** to the rapid-action coupling and fill in ATF.
6. Pull off adapter for filling oil **Adapter for filling oil VAS 6262A WE 1389** at the rapid-action coupling and check to see if ATF emerges.
7. If no ATF emerges, fill in ATF until a constant discharge is visible at the lifting tube **-2-** .
8. Allow the ATF to drain for as long as required until the ATF is still only dripping continuously.
9. Screw in oil inspection plug **-1-** with a new seal. → **Tightening torque: 16 Nm (12 ftlb.)+/-1 Nm (+/-0.5 ftlb.)**

*ATF inspection plug***Subsequent work for ATF****Subsequent work for ATF**

1. Install engine guard. → *108019 Removing and installing engine guard - section on "Installing"*

92AAG1, 92AAG7, 92AAH1, 92AAI1, 92AAM1, 92AAP1, 92AAQ1, 92AAT1, 92AAU1, 92AAV1, 92AAL1, 92AAN1

Model year as of 2011

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