

## 00 11 500 Checking/topping up oil level in automatic transmission (AISIN / W16, N47)



### Special tools required:

- [24 4 240](#)



### Important!

Use only the [approved automatic transmission oil](#) in this automatic transmission.

Failure to comply with this requirement will result in serious damage to the automatic transmission!

### *Installation note:*

Details of approved oil grade:

Also refer to adhesive label on transmission oil sump.



### *Note:*

Level out oil level in automatic transmission via overflow connector.

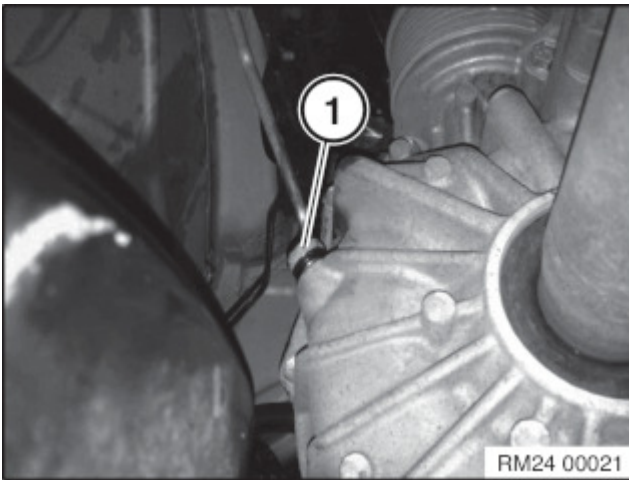


### Necessary preliminary tasks:

Remove underbody protection.

**Note:**

Special tool [24 4 240](#) must be shortened to overall length of 36 mm.



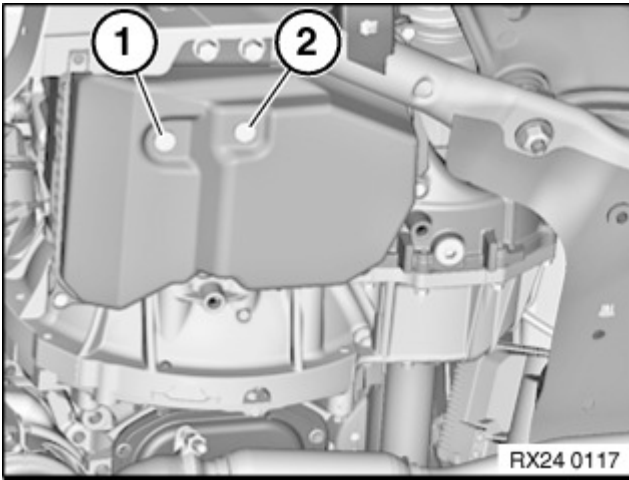
Move selector lever to "P" position.

Connect BMW diagnosis system.

The vehicle must be horizontal and secured against rolling off.

Release oil filler plug (1) using special tool [24 4 240](#).

Tightening torque [24 11 2AZ](#).



### **Top up transmission oil. (Transmission oil has been drained)**

Remove M10 oil check plug (1) from transmission oil sump.

Tightening torque [24 11 1AZ](#).

Pour in automatic transmission fluid through oil filler plug until oil leaks at oil filler plug.

Start engine and run at idle speed.

Check whether ATF emerges at M10 oil check plug.

If not, continue to add ATF.

Actuate footbrake and at idle shift through all gears "P" to "D" twice for more than 2 seconds.

Then move switch to "P" position.

Again check whether ATF emerges at M10 oil check plug.

Check the temperature of the automatic transmission fluid with the BMW Diagnosis System.

Increase temperature of automatic transmission fluid to 35 ... 45 °C.

Top up automatic transmission fluid until it flows over.

Screw in oil filler plug and oil check plug.

Tightening torque [24 11 1/2AZ](#).

#### **Installation note:**

Replace sealing rings.

### **Check oil level (oil temperature must be between 35 and 45 °C):**

Open oil filler plug.

Release oil check plug (1).

Tightening torque [24 11 1/2AZ](#).

Start engine and run at idle speed.

Unscrew oil check plug.

Check whether ATF emerges at oil check plug (1).

If not, pour in ATF up to oil filler plug.

Top up automatic transmission fluid until it overflows at oil check plug.

Actuate footbrake and at idle shift through all gears "P" to "D" twice for more than 2 seconds.

Move switch to "P" position.

Check oil level again.

Seal screws when the oil emerges slightly from the check plug.

Tightening torque [24 11 1/2AZ](#).

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