



# Oil Filling Automatic Transmission

Transmission  
type:

BMW 8HPXX

ZF Aftermarket

BCGP4 dept.

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## CAUTION

**Risk of burns. Risk of scalding.**

**Contact with hot vehicle parts may result in burns.**

**Contact with hot transmission oil can lead to scalding.**

⇒ Wear suitable protective clothing, protective gloves, and safety goggles or face protection.

### Process requirements

Emergency program must not be activated.  
Electrical loads, lighting and air conditioning are switched off. External heating or cooling of the gear box must be prevented!

Vehicle stands horizontally on the lifting platform, "P" is engaged, and parking brake is engaged

Testing device for reading off transmission temperature and engine speed is connected

### Checking transmission oil level (e.g. suspicion of leakages)

### Filling with new transmission oil (e.g. after transmission repair)

(Only for check)  
Start engine

Unscrew oil fill screw plug

Check transmission temperature  
(for temperature, see Note 1)

Fill transmission oil until oil runs out

Engage "P", let engine run at 2 000 rpm  
for 30 seconds

For applications with integrated electric  
pump (IEP), control it and run it for 10  
seconds

#### Note 1

If temperature > 50°C, let vehicle  
cool down!

If temperature < 40°C, engage "P"  
and let vehicle warm up at idling  
speed

Let the engine run at idling speed  
(for temperature, see Note 1)

Turn off IEP

#### Note 2

Transmission oil specification and  
specified target volume according  
to MPL

Check idling speed and correct if  
necessary (vehicle-specific)

Engage P, R, D in sequence (then D1  
and D2 manually), hold in each position  
for at least 10 seconds

Start the engine

Fill transmission oil until oil runs out

(Only for check)  
Unscrew oil fill screw plug

Vehicle has divided  
oil cooler circulation?

No

Oil leak?

Yes

Overfill approx. 0.5 l and immediately  
close with oil fill screw plug

Fill until oil runs  
out

OK

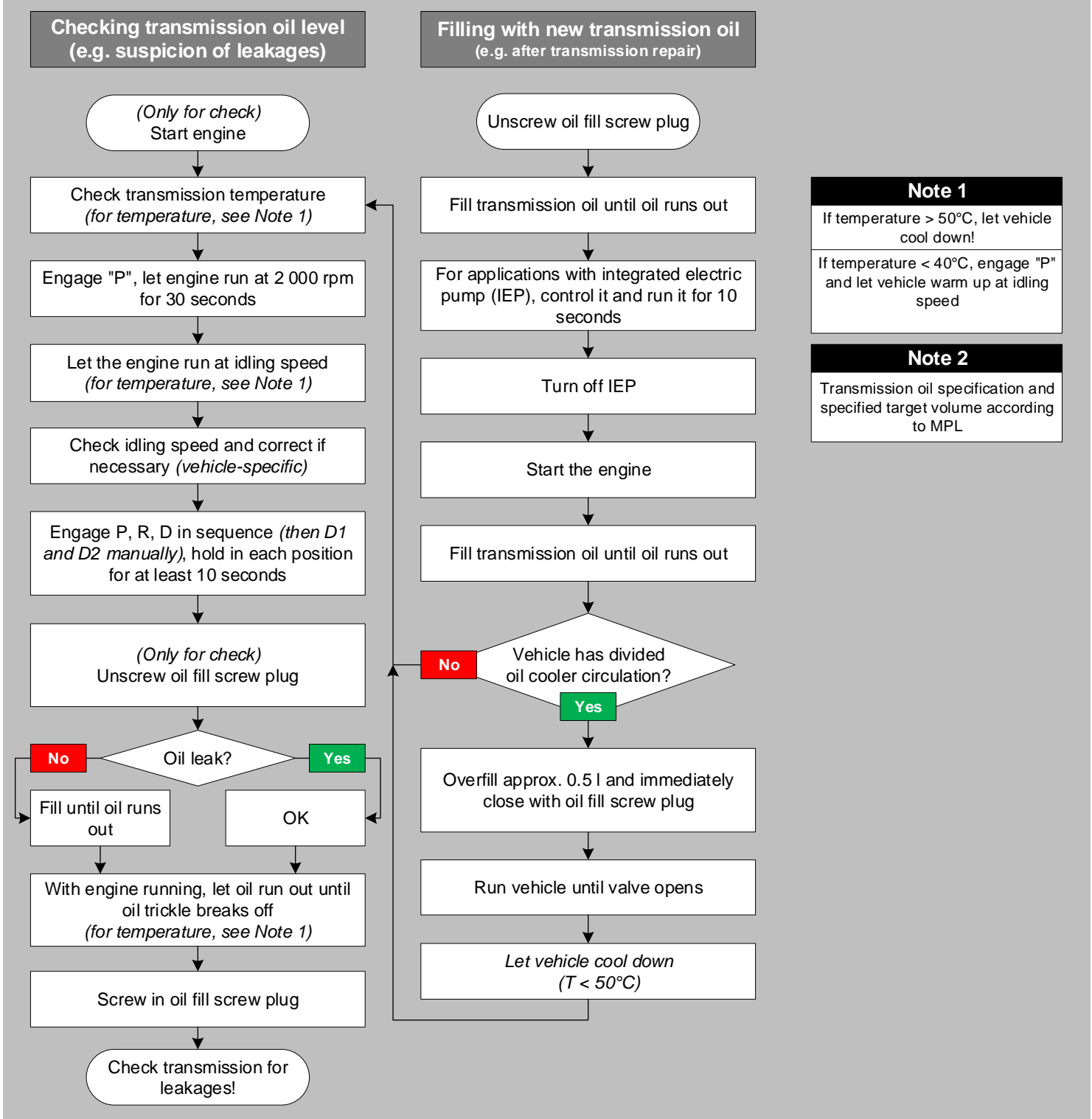
Run vehicle until valve opens

With engine running, let oil run out until  
oil trickle breaks off  
(for temperature, see Note 1)

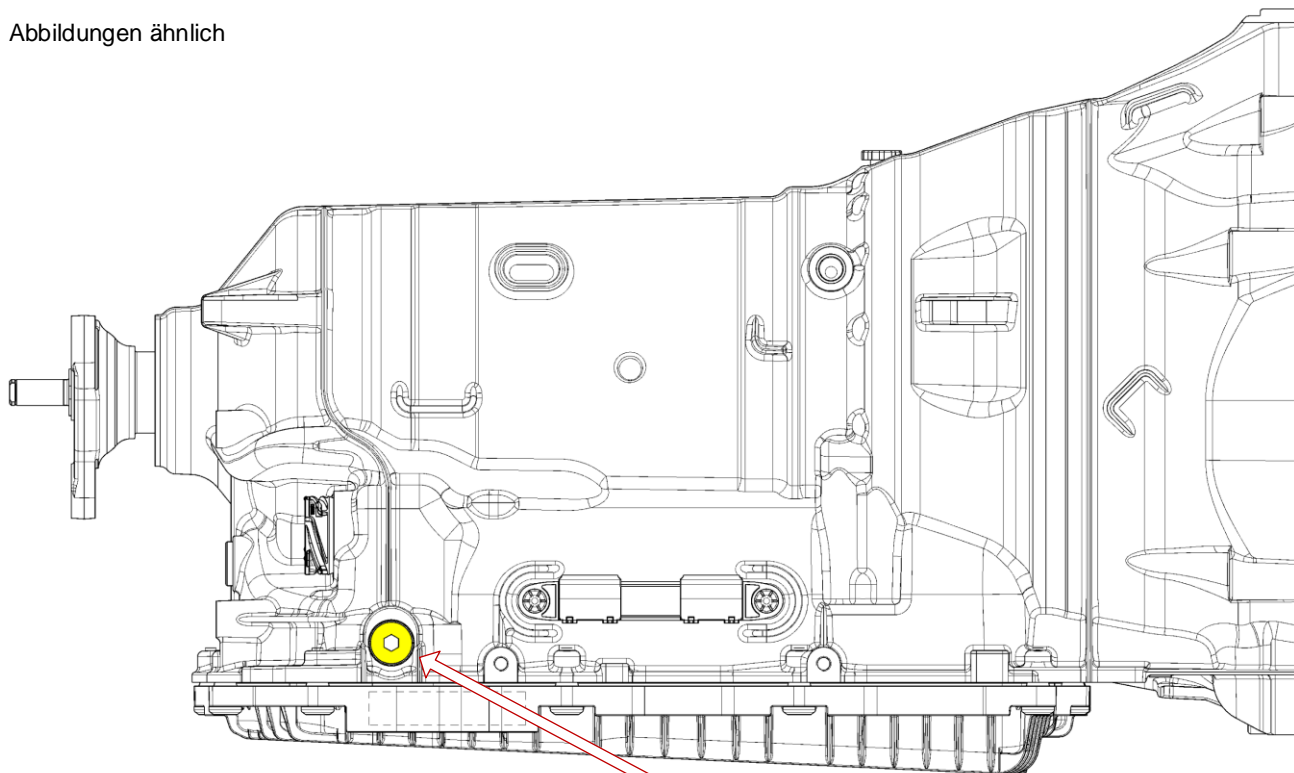
Let vehicle cool down  
(T < 50°C)

Screw in oil fill screw plug

Check transmission for  
leakages!

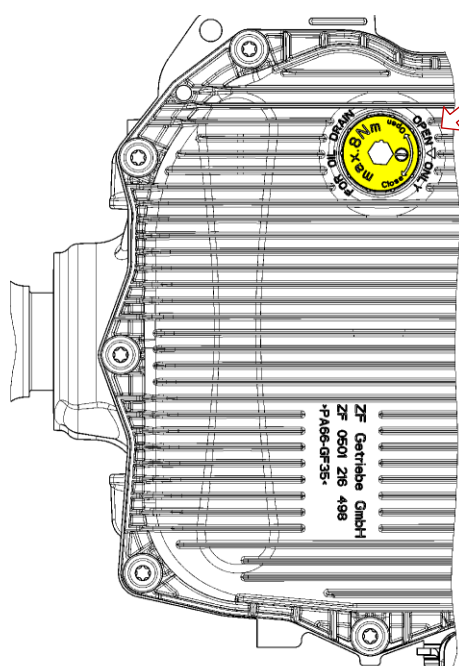


Abbildungen ähnlich



Öleinfüll-Schraube und Ölstands-Kontrolle <i>oil fill plug and oil level check</i>					
<b>Standardgetriebe</b> <i>standard transmission</i>	M18x1,5	Anziehmoment / tightening torque	35 NM ± 3,5 NM	Innensechskant <i>tool: internal hexagon</i>	8 mm
<b>Allradgetriebe</b> <i>AWD</i>	M22x1,5	Anziehmoment / tightening torque	30 NM ± 3,0 NM	Innensechskant <i>tool: internal hexagon</i>	10 mm

Abbildungen ähnlich



Ölablass-Schraube <i>oil drain plug</i>		
<b>Standardgetriebe</b> <i>standard transmission</i>	M18x1,0	
Anziehmoment / tightening torque	8,0 NM ± 1,0 NM	
Innensechskant <i>tool: internal hexagon</i>	10 mm	
<b>Allradgetriebe</b> <i>AWD</i>	8 HP 55 / 90 A	8 HP 65 / 95 A
	M 10 x 1,0	Bajonett
Anziehmoment / tightening torque	12,0 ± 1,2 Nm	drehen bis Anschlag / <i>turn to stop</i>
Innensechskant <i>tool: internal hexagon</i>	5 mm	8 mm