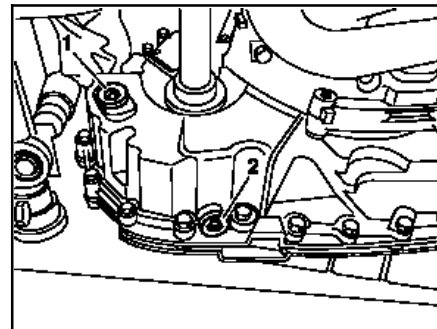


1 Oil filler screw

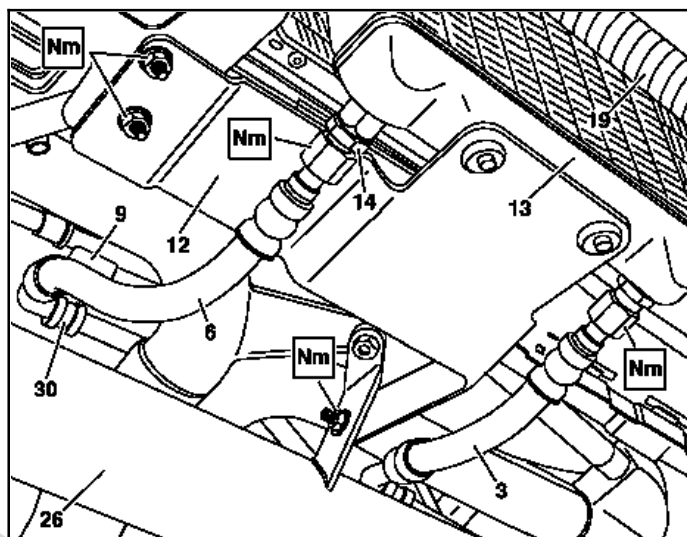
2 Oil drain plug



N27.00-2108-01

6 Return flow pipe

3 Oil line



S27.55-4004-11

<b>i</b>	Always ensure the utmost cleanliness when working on the automatic transmission. In order to avoid underfilling the transmission, when filling with oil the temperature of the transmission housing must not be more than <b>30 °C</b>		
1	Clean area surrounding oil filler screw (1) and oil drain screw (2)		
2	Unscrew oil filler plug and oil drain plug, drain oil	<b>i</b> Always replace the screw plugs	
3.1	Clean the surroundings of the oil line (3) and the return line (6)	<b>i</b> Only with code GK3 (additional oil cooler)	
4.1	Unscrew oil line (3) and return line (6) on oil cooler	<b>i</b> Only with code GK3 (additional oil cooler) When loosening the oil line (3) and return line (6) on connection fitting.	
5	Screw in new oil drain screw	<b>Nm</b> Model 638 with engine 111 <b>Nm</b> Model 638 with engine 601, 611	*BA27.40-N-1001-01A *BA27.40-N-1001-01F
6.1	Screw oil line (3) and return line (6) on oil cooler	<b>i</b> Only with code GK3 (additional oil cooler) When tightening the oil line (3) and return line (6) counterhold at connection fitting. The oil hoses of the oil line (3) and return line (6) must not be twisted. <b>Nm</b> <b>Nm</b>	*BA27.55-N-1005-01E *BA27.55-N-1006-01E
7	First pour in approx. 3 l of oil at the oil filler opening		*BF27.00-N-1001-01C

8	<b>⚠ Danger!</b> <b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the running engine Start engine	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
9	<b>⚠ Danger!</b> Operate service brake. Shift through all selector lever positions	<b>i</b> Remain in each selector lever position for a few seconds. After this shift the selector lever into position "P" again	
10	Pour in oil up to the bottom edge of the oil filler opening when the engine is running		
11	At the idle speed of the engine, heat up transmission oil to 40 °C ± 10 °C (transmission housing at hand temperature)	At a transmission oil temperature of 40 °C ± 10 °C the oil must be <u>exactly</u> at the bottom edge of the oil filler opening. Allow excess oil to drain <b>i</b> To heat up the transmission oil more quickly: Operate the service brake and shift the selector lever into position "D". Allow the engine to run for a short time with increased idle speed. <b>⚠</b> In this manner the transmission oil temperature rises very quickly. Do not exceed the specified temperature range	
12	Screw in new oil filler screw	<b>Nm</b> Model 638 with engine 111 <b>Nm</b> Model 638 with engine 601, 611	*BA27.40-N-1002-01A *BA27.40-N-1002-01F

**Nm** Transmission housing

Number	Designation	Model
		638.014/034/094 /114/134/194/21 4/234/294 with code G40
BA27.40-N-1001-01A	Oil drain screw	Nm 30
BA27.40-N-1002-01A	Oil filler plug	Nm 60


**Nm** Housing

Number	Designation	Model
		638.074/094/174 / 194/274/294 with code G40
BA27.40-N-1001-01F	Oil drain screw	Nm 30
BA27.40-N-1002-01F	Oil filler plug	Nm 60

**Nm** Transmission, oil cooler

Number	Designation	Model
		638.074/094/174 /194/274/294 with code G40 and code GK3

BA27.55-N-1005-01E	Union nut, oil line to additional oil cooler	Nm	18
BA27.55-N-1006-01E	Union nut, return line to additional oil cooler	Nm	18

 **Automatic transmission**

Number	Designation	Model 638 with engine 111.948/950/978/980, Model 638 with engine 601.970, 611.980 without code GK3	Model 638 with engine 601,970, 611,980 with code GK3
BF27.00-N-1001-01C	Automatic transmission fluid ATF	Filling capacity, first filling	Liters
		Filling capacity, oil change	Liters
		Specifications for Operating Fluids	Sheet
			Sheet

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