


2007 Mercedes Benz Truck ML 350 4MATIC (164.186) V6-3.5L (272.967)

Vehicle > Maintenance > Fluids > Fluid - A/T > Service and Repair > Procedures > Transmission 722.9

3	Remove oil drain screw (3) and mount adapter (2) and connect oil dispenser	<p>i The adapter (2) and oil dispenser can be obtained from two manufacturers:</p> <p>Adapter gotis://S 18.2 04.2</p> <p>Oil dispenser gotis://S 18.2 04.1</p>	
4	Pump 6 liters of transmission oil into transmission	<p>Ⓢ In order to avoid damage to the transmission, always consult the Specifications for Operating Fluids.</p> <p>i On transmissions which have been repaired the quantity of transmission oil drained +0.5 liters should be poured in.</p> <p>Ⓢ</p>	*BF27.00-P-1001-01C
5	Start engine		
6	 AD Call up the transmission fluid temperature using STAR DIAGNOSIS Connect STAR DIAGNOSIS		AD00.00-P-2000-04A
7.1	Bring transmission oil temperature to <u>90°C/194°F</u>	<p>Vehicles with additional transmission oil cooler</p> <p>i Only with previous <u>removal/replacement</u> of additional transmission oil cooler.</p> <p>i Thermostat opens at <u>90°C/194°F</u></p> <p>i Engine speed 2500 rpm, selector lever in position "P".</p>	
7.2	Bring transmission oil temperature to <u>45 °C/113 °F</u>	<p>i On vehicles without additional transmission oil cooler and with chamfered transmission oil pan and with white overflow pipe the transmission oil temperature must be <u>45 °C/113 °F</u>.</p>	
7.3	Bring transmission oil temperature to <u>35°C/95°F</u>	<p>i On vehicles without additional transmission oil cooler and without chamfered transmission oil pan and with black overflow pipe the transmission oil temperature must be <u>35 °C/95 °F</u>.</p>	
8.1	Switch off engine and allow transmission oil to cool down	<p>Vehicles with additional transmission oil cooler</p> <p>i Only with previous <u>removal/replacement</u> of additional transmission oil cooler.</p>	
8.2	Turn off engine	Vehicles without additional transmission oil cooler	
9	Call up the transmission fluid temperature using STAR DIAGNOSIS	<p>i On transmissions with chamfered transmission oil pan and with white overflow pipe the transmission oil temperature must be <u>45 °C/113 °F</u></p> <p>i On transmissions without chamfered transmission oil pan and with black overflow pipe the transmission oil temperature must be <u>35 °C/95 °F</u>.</p>	
10	Start engine and allow to run in selector lever position "P"		
11	Pump transmission oil using oil dispenser into transmission	<p>i After replacing the transmission and torque converter: Pour in approx. 4 liters of transmission oil.</p> <p>i If the torque converter has not been emptied: Pour in approx. 2 liters of transmission oil.</p> <p>Ⓢ</p>	*BF27.00-P-1001-01C
	Correct transmission fluid level		
12	Shift through "P-R-N-D" several times with the vehicle stationary and the engine idling		
13	Allow engine to idle in selector lever position "P"		
14	Call up the transmission fluid temperature using STAR DIAGNOSIS	<p>i Because the overflow tube (1) within the oil pan is designed for operation at the specified fluid temperature, this temperature</p>	

should never exceed the level indicated.

i On transmissions with chamfered transmission oil pan and with white overflow pipe the transmission oil temperature must be **45 °C/113 °F**