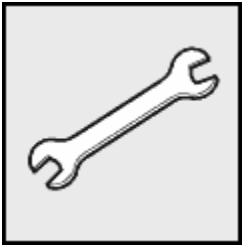


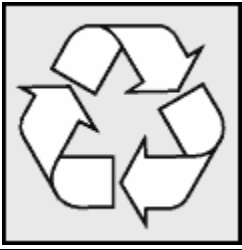
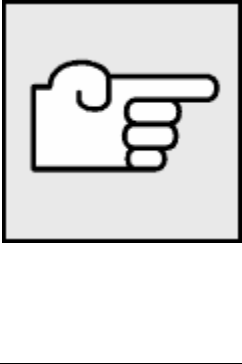

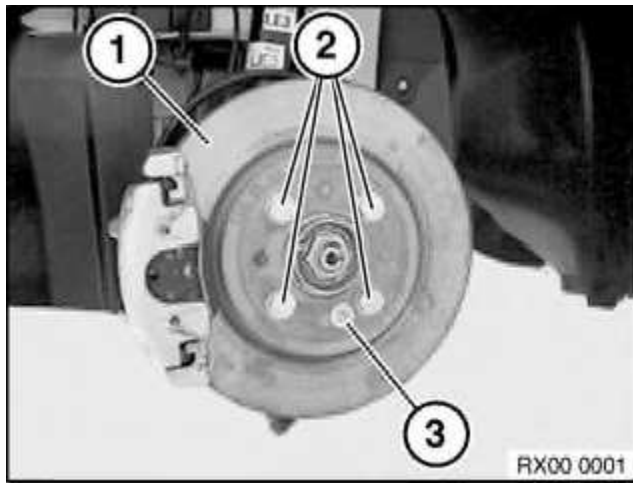


00 11 239	Fluid change in automatic transmission (CVT) including used fluid disposal
	<p>Special tools required:</p> <ul style="list-style-type: none"> · 24 8 100
	<p>Important! Reset adaptation values of after changing transmission fluid or adjusting fluid level.</p>
	<p>Warning! Scalding hazard! Do not drain fluid before the transmission has cooled down. Important! Use only the approved automatic transmission fluid in this automatic transmission. Failure to comply with this requirement will result in serious damage to the automatic transmission!</p>
	<p>Recycling: Observe country-specific waste-disposal regulations.</p>
	<p>Note: The CVT transmission case has three oil filler or drain plugs:</p> <ul style="list-style-type: none"> - To drain the transmission fluid (bottom) - To correct the fluid level (side) - To fill the transmission (top, for assembly) <p>Fill transmission fluid through correction hole at side. The filler screw plug at the top of the gearbox is provided for other purposes.</p>
	<p>Necessary preliminary tasks:</p> <ul style="list-style-type: none"> · Remove both front wheels · Remove underbody protective plate .



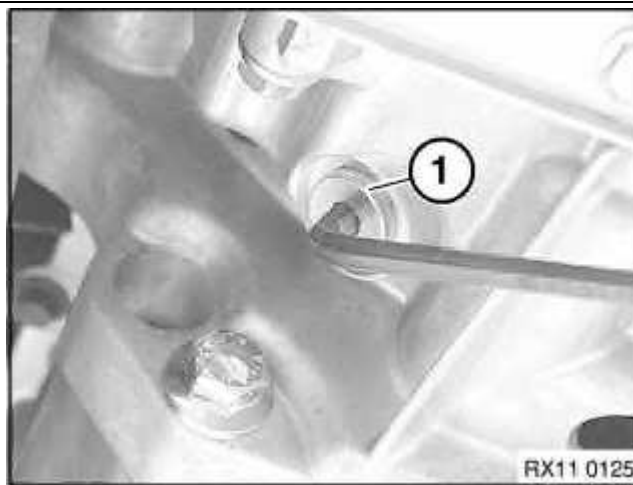
Important!
Use four screws ② and washers to fix both front brake discs ① in position.
Apply foot brake and firmly tighten screws ② to 60 Nm.
Screws ②:
M12 x 1.5 x 25 mm
Installation:
Remove screws ② after filling with oil.
Check screw ③.
Tightening torque [34 11 1AZ](#) .



Remove oil drain plug ① from transmission sump.
Drain off transmission fluid.
Installation:
Replace sealing ring on oil drain plug.
Cars from 11/05: replace screw with seal.
Tightening torque [24 11 1AZ](#) .



Important!
Do not allow transmission fluid to drain unsupervised .
Start the filling operation immediately after draining.
Failure to comply with these instructions may result in serious damage to the automatic transmission.

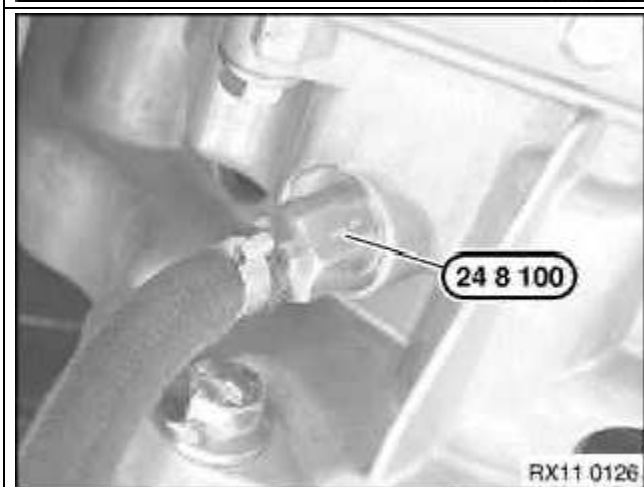


Note:
After releasing screw plug ①, excess transmission fluid flows out of the correction hole.
Open plug ①.
Installation:
Replace sealing ring on plug.
Tightening torque [24 11 2AZ](#) .



Note:

To calculate delivery capacity of hydraulic pump:
Operate pump lever until there is 5 litres of fluid in measuring beaker and note down number of pump strokes.



Screw oil drain plug back into transmission sump.
Fill transmission through correction bore via special tool [24 8 100](#) .
Important!
Fill quantity: 5 litres



Important!

Danger of injury:

Take particular care while carrying out the following operations.

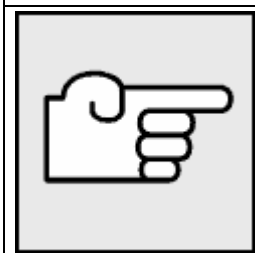
Maintain a safety distance.

Make sure there is sufficient space between the driven brake discs and floor as it is necessary to shift through all drive stages.

Deactivate Automatic Stability Control before operating selector lever (depending on equipment specification).

Make sure handbrake is applied!

Connect exhaust gas extractor.

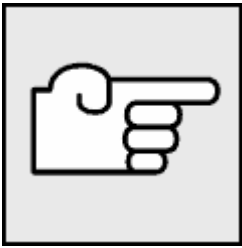


Step 1:

· Close valve on hydraulic unit kit to stop fluid from flowing out of case.

Important!

Do not remove special tool [24 8 100](#).



Step 2:

Note:

Air can be heard to circulate in the system during initial operation. This is a normal operating noise.

- Move selector lever to "P" position.
- Start engine.
- Apply foot brake.
- After 10 seconds of engine operation, shift through all drive positions, ensuring that the selector lever remains in each position for 5 seconds.
- Move selector lever to 'M' position.
- Release foot brake.
- Press accelerator pedal slightly (engine speed less than 2500 rpm) and manually shift through 1st to 6th gears.

Leave in 6th gear for approx. 3 seconds.

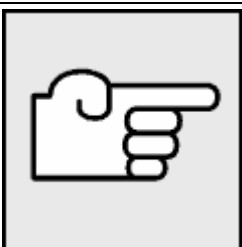
- Shift down to 1st gear and leave in 1st gear for 3 seconds.

Repeat this procedure twice.

- Apply foot brake.
- Wait for drive shafts to come to a stop.
- Move selector lever to 'R' position after approx. 2 seconds.
- Release foot brake.
- Accelerate gently (slowly increase engine speed to 2500 rpm and hold).
- Wait 10 seconds (for venting).
- Apply foot brake.
- Move selector lever to "P" position.
- Release foot brake.
- Wait 15 seconds (for venting oil cooler).
- Apply foot brake.
- Wait for drive shafts to come to a stop.
- Move selector lever to 'N' position after approx. 2 seconds.

Important!

Do not switch off engine.



Step 3:

Check transmission fluid level (only while engine is running).

- Connect diagnosis system and check transmission fluid temperature.
- Transmission fluid temperature must be between 30 ° C and 50 ° C.
- Detach hydraulic unit kit and special tool [24 8 100](#).
 - Allow excess fluid to drain down to bottom edge of correction bore.
 - Insert screw plug.

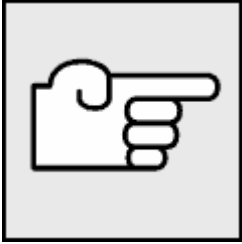
Important!

If a minimum of 0.3 litres of fluid fails to emerge

from the correction bore, the transmission is insufficiently filled.

- Reconnect special tool [24 8 100](#) and pump and pump a minimum of 1 l fluid into transmission.
- Detach special tool [24 8 100](#) , wait until fluid overflows and then refit screw plug.

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



Add final details to vehicle.
Reset adaptation values.
Perform clutch and gear ratio adaptation.