

Brief Instructions

GEAR TRONIC

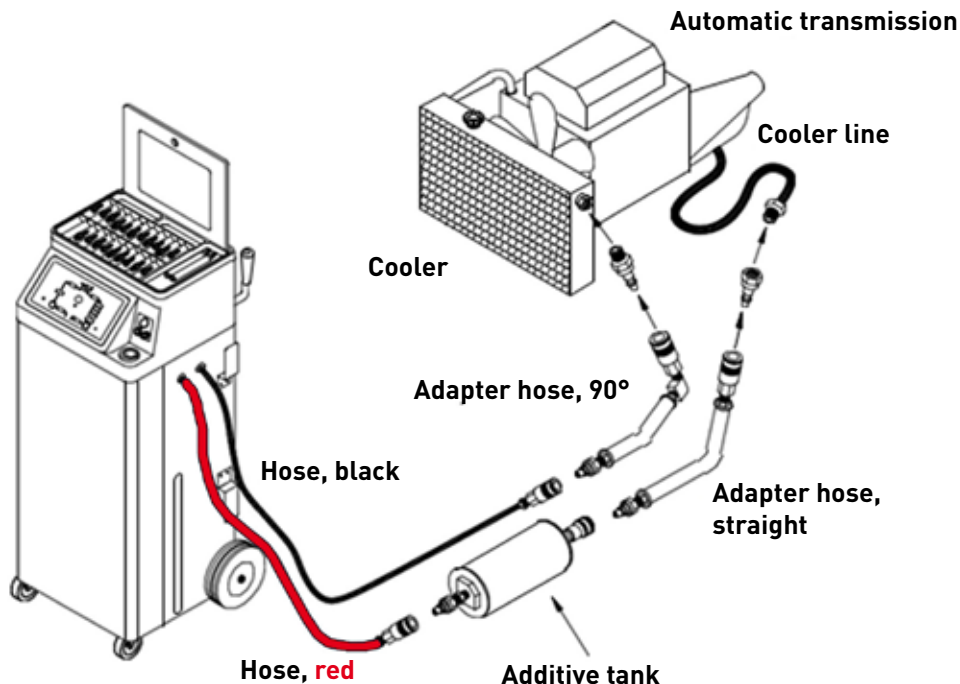
Automatic transmission flushing unit



Cooler mode

Connecting and flushing transmission fluid circuit

1. Find the transmission cooler lines and disconnect the connections at the most easily accessible points.
2. Select the connection adapter to match the separation point.
3. Connect the 305 mm adapter hoses to the matching adapter.
4. Fill the additive tank included with the Gear Tronic with **Automatic Transmission Cleaner**. The quantity is specified in the **LIQUI MOLY** metering specifications.
5. Connect the additive tank between the **red** hose and the 305 mm adapter hose. Connect the black hose (see illustration) to the 305 mm adapter hose.
6. Connect the power supply cable on the Gear Tronic to the 12 volt vehicle battery.
7. Determine the required quantity of transmission fluid and proper automatic transmission fluid specification in the owner's manual or service manual published by the vehicle manufacturer. The **LIQUI MOLY oil guide** also provides support. Fill the new fluid tank with the specified transmission fluid. **Always** round off the fluid quantity to the next higher number to allow corrections to be made later. The quantity of new fluid not used can be used again for a fluid change later.
8. Start the engine. A beep should be audible and the READY light on the keyboard should illuminate. If not, **shut off the engine** and reverse the **red** and black hose connections. Start the engine again.
9. The pressure gage on the Gear Tronic indicates the operating pressure in the transmission. The **Gear Tronic** then circulates **Automatic Transmission Cleaner** through the transmission.
10. Allow it to circulate for approx. 10 minutes. During this operation shift the transmission selection lever to all positions and gears at least twice.



Transmission Fluid Filter Change

11. Ensure that the READY light is illuminated and press the COOLER MODE button. Then press the DRAIN PAN button.

Note: In the event of a malfunction a signal sounds three times. Check all connections for leakage.

12. The Gear Tronic empties the used transmission fluid into the used fluid tank.
13. Press the STOP button as soon as the beep sounds continuously and the PROCESS COMPLETE light illuminates. **Shut off the vehicle engine immediately.**
14. The transmission oil pan can then be removed.
15. Replace the transmission fluid filter. Clean the transmission oil pan and valve body assembly with **Pro-Line Gearbox Interior Cleaner**.
16. Reinstall the transmission oil pan. Press the EMPTY NEW FLUID TANK button until the fluid quantity indicated up to that time on the used fluid display has been replenished with new fluid. After reaching the required quantity of new fluid press the STOP button. The transmission fill quantity has now been adapted to the initial point.

Fluid change (4, 8, 12, 16 and 20 liters)

17. Remove the additive tank from the transmission circuit and fill it with **ATF Additive**.
Reconnect it to the transmission circuit only in Point 24.
18. Start the vehicle engine again.
19. Check whether the COOLER MODE button is illuminated.
20. Press the appropriate LITER button. Always round off the fluid quantity to the next higher number. For example, if the vehicle transmission holds 6.5 liters, press the 8 LITER button.
21. The process starts. The new fluid and old fluid can be monitored in the viewing windows. During the fluid change the **Gear Tronic** displays the quantity of new fluid, **not used fluid**.
22. After conclusion of the process an acoustic signal sounds and the PROCESS COMPLETE light illuminates continuously. Press the STOP button.
23. Shut off the engine.
24. Then connect the filled additive tank to the transmission circuit.
25. Start the engine again. The **ATF Additive** is then circulated in the transmission fluid circuit.
26. Check the fluid level in the automatic transmission according to the vehicle manufacturer's specifications. Correct the fluid level, as required by pressing the +1/2 LITER or -1/2 LITER button.
27. After completing this correction press the STOP button.
28. Shut off the vehicle engine.
29. Disconnect the **Gear Tronic** from the vehicle.
30. Ensure that the READY light is not illuminated.
31. Separate all connections between the Gear Tronic and vehicle including the battery cable, hoses and adapters. Reconnect all vehicle lines. Start the vehicle and check the cooler line connections and transmission oil pan for leakage. Check the transmission fluid level again according to the vehicle manufacturer's specifications. Check whether any adaptations are necessary using the vehicle diagnostic system.

Emptying old fluid tank

1. Ensure that the red and black hoses for the cooler line are not connected to the vehicle.
2. Connect the power supply cable on the Gear Tronic to the 12 volt vehicle battery with the vehicle engine shut off.
3. Connect an adapter to the black hose (left side of the **Gear Tronic**).
4. Insert the open end of the hose for the dip stick mode into the old fluid collection tank.
5. Press the EMPTY USED FLUID button on the control panel to drain the used fluid tank. After completing this operation press the STOP button.

Emptying new fluid tank

1. Ensure that the red and black hoses for the cooler line are not connected to the vehicle.
2. Connect the power supply cable on the Gear Tronic to the 12 Volt vehicle battery with the vehicle engine shut off.
3. Connect an adapter to the red hose (right side of the **Gear Tronic**).
4. Press the EMPTY NEW FLUID button on the control panel to drain the new fluid tank. After completing this operation press the STOP button.

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