

Professional automatic transmission fluid service with Gear Tronic II



The use of modern automatic transmissions and semi-automatic transmissions in vehicles is becoming increasingly common. They ensure that the engine always runs within an ideal range of efficiency. However, the increasing complexity of the transmission control introduced by increasing the gear shifts from 5 to 9 and extending the transmission steps with Comfort, Sport, Winter and so on has also increased the performance demands made on the transmission. This in turn is noticeable due to the huge thermal and mechanical demands placed on the transmission fluid. The result is an increase in wear and tear and therefore an increase in maintenance requirements.

Positive effects of the automatic transmission fluid service:

- **Optimized gear shifting**
Eliminates any shifting delays and rough shifting operations right through to the loss of whole gears.
- **Lower fuel consumption**
Soft and early gear shifting has a positive impact on fuel consumption.
- **Less wear**
Flushing the transmission in combination with additives ensures quieter operation and less wear in the transmission.
- **Increased service life**
Most manufacturers recommend changing the transmission fluid every 60,000 km or 4 to 6 years.



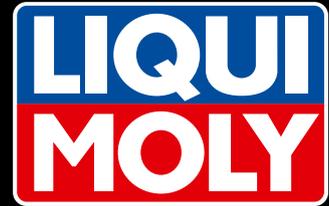
Problem

If the transmission fluid is not changed in good time, the dirt and metallic abraded matter could cause costly mechanical damage in the gearbox. That's why manufacturers of transmission fluids – and increasingly vehicle manufacturers as well – recommend transmission fluid changes, depending on mileage and driving style. The same applies for so-called "lifetime fluids". Previously, it simply wasn't possible to effect a complete change in lubrication, since it was inevitable that the new fluid was contaminated with the remains of the old fluid.

Solution

The automatic transmission fluid service device allows the fluid to be replaced virtually 100 percent without the new fluid mixing with the old. It's the only way to ensure that the new fluid is able to work to its full performance. Gear Tronic II stops expensive mistakes from happening and prevents overfills or underfills. The device is therefore the perfect all-round solution for flushing, carrying out transmission fluid changes and adding additives – easily, quickly and reliably.

Technical information



Plenty of good reasons to choose Gear Tronic II

01 Color display incl. input and output pressure indication and temperature measurement of the transmission fluid.

02 Cleaning additive can be connected straight from our 1 l can to the unit.

03 Automatic flow direction detection (supply/return).

04 All data are entered on the menu prior to application:

- Total fill quantity of the automatic transmission.
- Additional quantity of fluid required for flushing.
- Quantity of cleaning additive to be added.
- Specification of the cleaning time.
- Selection whether a care additive is to be added.

05 The following data can be obtained from a free integrated database:

- Vehicle manufacturer
- Vehicle type
- Engine size

The database exports further data:

- Total fill quantity of the automatic transmission.
- Automatic transmission fluid type and density.
- Tightening torques of the oil sump and the drain plug and checking screw.

06 Data documentation using the integrated printer.

07 The database is updated directly on the unit by USB stick.

08 Remote maintenance of the unit by LIQUI MOLY application engineers. The remote access allows functional tests to be performed without great expense even when abroad.



Easy operation thanks to the color display

Tried-and-tested features of our new unit:

09 Transmission flushing and fluid change through dip stick guide tube, transmission or transmission fluid cooler.

10 High accuracy of liquid exchange process thanks to 2 independent, high-precision scales in the unit.

11 After the fluid type change less than 100 ml remain in unit.

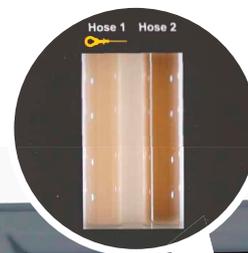
12 Very easy menu guidance in various languages and fully automatic system flushing operation.

13 Universal and vehicle-specific adapters for simple connection to vehicle transmission fluid system.

14 Patented bypass circuit for protection of vehicle in event of a power failure.

15 All connections equipped with check valves.

16 High pumping rate up to 10 l/min.



Illuminated sight glasses for monitoring the exchange of liquids

