



**Professional flushing and changing:**

# 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.

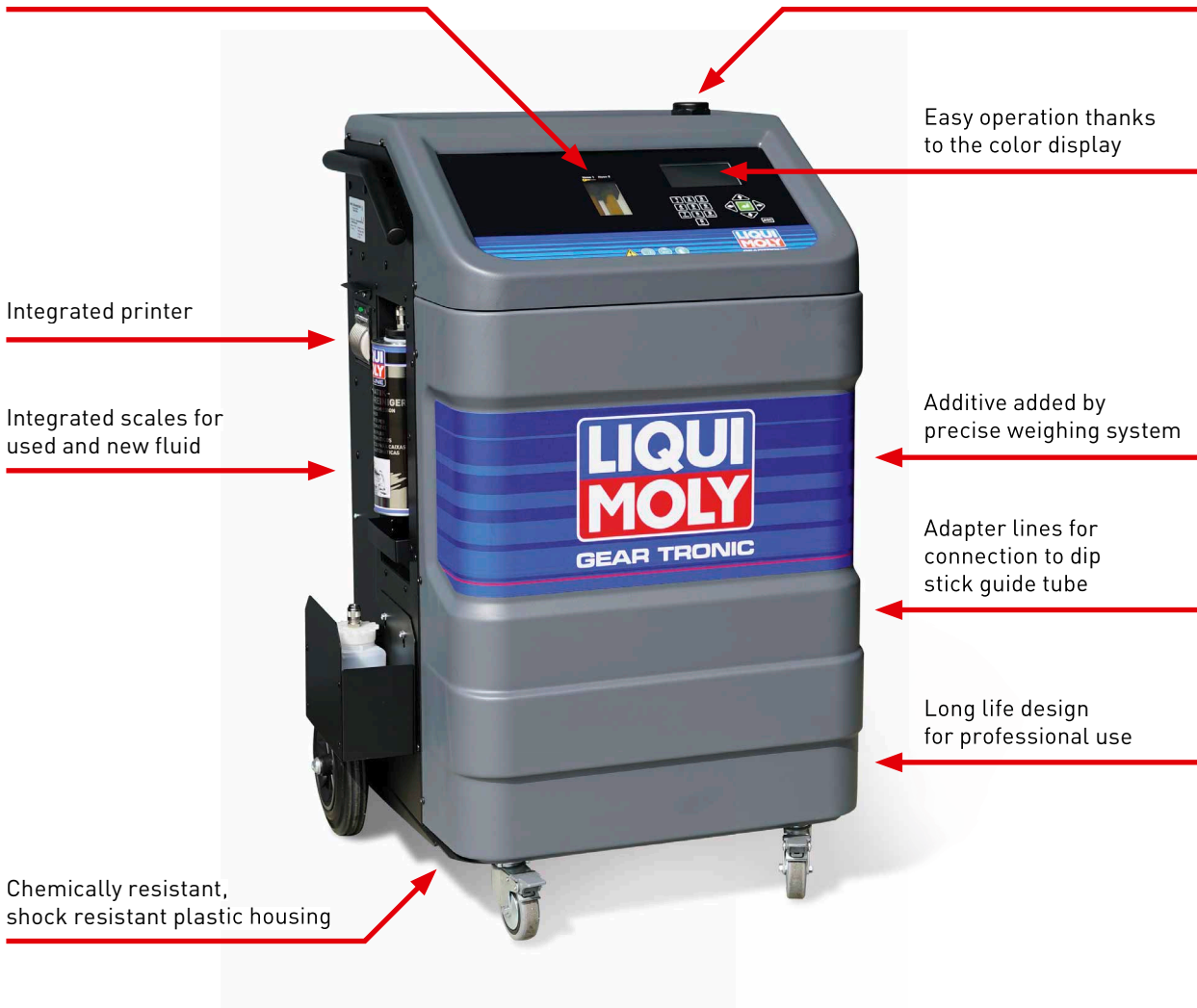
If the transmission fluid is not changed in good time, the dirt and metallic abraded matter could cause costly mechanical damage in the gearbox. That's why manufacturers of transmission fluids – and increasingly vehicle manufacturers as well – recommend transmission fluid changes, depending on mileage 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 – a problem that is now history thanks to Gear Tronic II. That's because 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. A further advantage is that because it uses automatic processes, 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.

## Description of Gear Tronic II

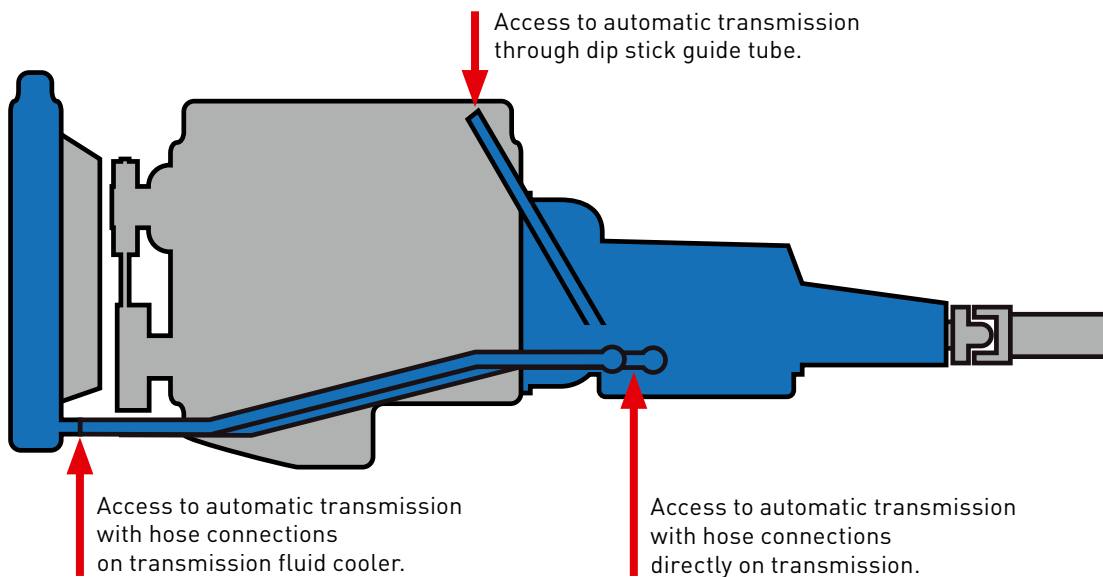
Illuminated sight glasses for monitoring the exchange of liquids

Opening for easy filling of the fresh automatic transmission fluid



## Connection Possibilities for Gear Tronic II

The automatic transmission can be flushed, cleaned, evacuated and refilled in various ways.



## 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.

### 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.

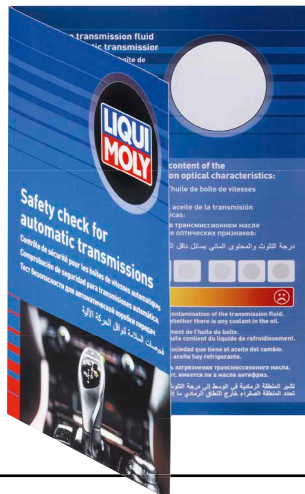


Full operating instructions in English.

**Change automatic transmission fluid professionally – and earn money doing so. Our clever concept and the individual instruction will help you.**



## Automatic transmission fluid test



Automatic transmissions are subject to very high loads and extreme stresses. That's why many automatic transmissions are cooled in the engine's cooling system.

To be on the safe side, the LIQUI MOLY Test Strip should be used to verify whether the cooling system coolant has penetrated the transmission fluid. That would result in major damage to the transmission.

Gear Tronic Test Strips are also supplied individually (part no. 50315).

# Products for Professional Automatic Transmission Fluid Change



## Gear Tronic II

Part-No.: 29066  
Contents: 1 each  
Type of packaging: Case  
Packaging unit: 1

### Also included in delivery:

Comprehensive adapter kit for the most common vehicles.



### Adapter Kit Standard 01

Part-No. 29021



## Gear Tronic Test Strip

Part-No.: 50315  
Contents: 1 each  
Type of packaging: Case  
Packaging unit: 25



## Gear Tronic II Cover

Part-No.: 29014  
Contents: 1 each  
Type of packaging: Bag / plastic  
Packaging unit: 1

## Adapter Kit Standard 01

Part-No.: 29021  
Contents: 1 each  
Type of packaging: Plastic box  
Packaging unit: 1  
Contains adapters for the following brands: Audi, BMW, Chrysler, Dodge, Ford, Jeep, GM, MB, Porsche, Ssangyong, Volvo

## Adapter Kit Standard 02

Part-No.: 29027  
Contents: 1 each  
Type of packaging: Plastic box  
Packaging unit: 1  
Contains adapters for the following brands: Cadillac, Chrysler, Dodge, Ford, Jaguar, Jeep, GM, MB, Volvo

## Adapter Kit BMW

Part-No.: 29022  
Contents: 1 each  
Type of packaging: Plastic box  
Packaging unit: 1  
Contains adapters for the following brands: BMW, Dodge, Ford, Jaguar, Land Rover

## Adapter Kit VAG

Part-No.: 29023  
Contents: 1 each  
Type of packaging: Plastic box  
Packaging unit: 1  
Contains adapters for the following brands: Audi, BMW, PSA, Range Rover, Seat, Skoda, Volkswagen, Volvo

## Adapter Audi A8

Part-No.: 29004

## Adapter BMW07/VAG13

Part-No.: 29017

## Adapter Jatco/Aisin

Part-No.: 29015

## Adapter MB 7G

Part-No.: 29005

## Adapter MB DCT

Part-No.: 29016

## Adapter PSA

Part-No.: 29008

## Adapter Renault/Nissan

Part-No.: 29029

## Adapter Saab/Opel

Part-No.: 29025

## Adapter VAG TF-60SN/VW09G

Part-No.: 29058

## Adapter Volvo/Ford Power Shift

Part-No.: 29007

## Adapter Volvo/Ford/PSA

Part-No.: 29024

## DSG-adapter

Part-No.: 29020

# LIQUI MOLY Automatic Transmission Fluids at a Glance

## ATF Fully Synthetic



### Top Tec ATF 1700

Approvals: Allison C4, Voith H55.6336.XX (G 1363 alt)

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

MAN 339 Typ V2, MAN 339 Typ Z3, MB 236.81, ZF TE-ML 02F, ZF TE-ML 03D, ZF TE-ML 04D, ZF TE-ML 14C, ZF TE-ML 16M, ZF TE-ML 17C, ZF TE-ML 20C

## ATF Synthetic Technology



### Top Tec ATF 1600

Approvals: MB-Approval 236.14

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

MB 236.12

## ATF Synthetic Technology



### ATF III

Approvals: Allison C4, Dexron III G, Ford Mercon, Voith H55.6335.XX (G 607)

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Caterpillar TO-2, MAN 339 Typ L1, MAN 339 Typ V1, MAN 339 Typ Z1, MB 236.1, ZF TE-ML 04D, ZF TE-ML 14A, ZF TE-ML 17C



### Top Tec ATF 1400

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required: Dodge CVTF+4, Dodge NS-2, Ford CVT23, Ford CVT30/MERCON C, GM/Saturn DEX-CVT, Honda HCF2, Honda HMMF, Hyundai SP-CVT 1, Jeep CVTF+4, Jeep NS-2, Kia SP-CVT 1, MB 236.20, Mini Cooper [E2L 7/99], Mitsubishi CVTF-J1, Mitsubishi CVTF-J4, Nissan CVT NS-2 Fluid, Nissan CVT NS-3 Fluid, Subaru Lineartronic CVTF, Subaru NS-2, Suzuki CVT Green1, Suzuki NS-2, Suzuki TC, Toyota CVTF FE, Toyota TC, VW G 052 180, VW G 052 516



### Top Tec ATF 1900

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

MB 236.15



### Top Tec ATF 1100

Approvals: Allison C4, Dexron II D, Dexron II E, Dexron III G, Dexron III H, Dexron TASA (Typ A/Suffix A), Ford Mercon, MAN 339 Typ L1, MAN 339 Typ V1, MAN 339 Typ Z1, MB-Approval 236.1, Voith H55.6335.XX (G 607), ZF TE-ML 04D, ZF TE-ML 14A, ZF TE-ML 17C

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Allison TES 389, Caterpillar TO-2, MB 236.6, Volvo 97341, ZF TE-ML 02F, ZF TE-ML 03D, ZF TE-ML 09, ZF TE-ML 11A, ZF TE-ML 11B, ZF TE-ML 14B



### Top Tec ATF 1800

Approvals: Dexron VI, Ford Mercon LV

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Aisin Warner AW-1, BMW 83 22 2 305 396, BMW 83 22 2 305 397, BMW 83 22 2 152 426, BMW 83 22 0 142 516, BMW 83 22 2 289 720, BMW M-1375.4, Fiat 9.55550-AV5, JWS 3324 (Aisin Warner), Land Rover TYK 500050, Honda ATF DW-1, Hyundai SP IV, Mazda ATF FZ, Nissan AT-Matic S Fluid, Toyota WS, VW G 055 005, VW G 055 540, VW G 060 162



### Dual Clutch Transmission Oil 8100

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

BMW 83 22 0 440 214, BMW 83 22 2 147 477, BMW 83 22 2 148 578, BMW 83 22 2 148 579, BMW DCTF-1, BMW MTF LT-5, Chrysler, Ford WSS-M2C 936-A, MB 236.21, Mitsubishi MZ320065 Dia-Queen SSTF-I, Nissan WSS-M2C 936-A, Peugeot Citroen (PSA) 9734.S2, Porsche 999.917.080.00, Volvo 1161838, Volvo 1161839, VW G 052 182, VW G 052 529



### Top Tec ATF 1200

Approvals: Allison C4, Dexron III H, Ford Mercon V, Honda ATF Z1 (ausser CVT), Hyundai SP II, Hyundai SP III, JASO 1-A, Kia SP-II, Kia SP III, Mazda ATF M III, Mazda ATF M-V, Mitsubishi SP-II, Mitsubishi SP-III, Nissan AT-Matic D Fluid, Nissan AT-Matic J Fluid, Nissan AT-Matic K Fluid, Toyota Type T-II, Toyota Type T-IV

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Allison TES 295, BMW 7045 E, BMW 8072 B, BMW LA 2634, BMW LT 71141, Caterpillar TO-2, Chrysler ATF +3, Chrysler ATF +4, Daimler NAG-1, JWS 3309 (Aisin Warner), MAN 339 Typ V1, MAN 339 Typ Z1, MAN 339 Typ Z2, MB 236.2, MB 236.3, MB 236.5, MB 236.6, MB 236.7, MB 236.9, MB 236.10, MB 236.11, Subaru ATF, Voith H55.6335.XX (G 607), Volvo 97340, Volvo 97341, VW G 052 162, VW G 052 990, VW G 055 025, ZF TE-ML 02F, ZF TE-ML 03D, ZF TE-ML 04D, ZF TE-ML 05L, ZF TE-ML 09, ZF TE-ML 11A, ZF TE-ML 11B, ZF TE-ML 14A, ZF TE-ML 14B, ZF TE-ML 17C

## ATF Mineral-based



### Top Tec ATF 1300

Approvals: Ford ESW-M2C 33-F, Ford ESW-M2C 33-G

LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:

Volvo 97330

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