

# Automatic Transmission Oil Exchange and Flushing Machine

**SP:** Máquina de Cambio y Limpieza de Aceite de Transmisión Automática

**PT:** MÁQUINA DE TROCA E LIMPEZA DE ÓLEO DE TRANSMISSÃO AUTOMÁTICA

**DE:** Automatische Getriebeölwechsel- und Spülmaschine

**FR:** Machine automatique d'échange et de rinçage d'huile de transmission

**NL:** Automatische Transmissieolieverversings- en Spoelmachine

**IT:** MACCHINA AUTOMATICA PER IL CAMBIO E IL LAVAGGIO DELL'OLIO DEL CAMBIO



Art: 5115-WW



## Information

### Oil Exchange and Cleaning

#### Versatile Compatibility

Audi, BMW, Ford, Volkswagen, Toyota, Land Rover, Buick

#### Powerful Performance

12V Car Battery

70W Pump Power

#### Precise Monitoring

Dual 70mm Oil Pressure Gauges (0-10 bar/0-150 psi)

#### Ample Fluid Capacity

30-Liter Fresh Oil Tank

30-Liter Used Oil Tank

## Safety First

- Only operate if trained to do so.
- Read these instructions carefully and retain for future reference.
- Ensure the vehicle is properly supported with the wheels secured, in line with manufacturer's guidelines.
- Wear safety apparel while operating and keep hands away from moving parts.



**WARNING**

## Safety Guidelines and Preventive Measures

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- Avoid leaning over the tool. Always maintain a secure and balanced stance. Never extend over the tool or into it.
- Handle the tools with care. Regularly inspect the power cable and hoses, and when the machine is in operation, ensure they are undamaged, clean, dry, and free from oil and grease.
- Remove all adjustment keys. Prior to usage, confirm that any adjustment keys have been removed from the tool or machine work surface.
- Prevent accidental tool activation. When not in use and before connecting hoses, make sure the air pressure supply is turned off.
- Stay alert. Follow your operational procedures carefully. Do not operate any tools when excessively fatigued.
- Inspect the components for damage. Before using a tool, thoroughly examine any parts that appear to be damaged to determine if they are functioning correctly and serving their intended purpose. Assess the alignment and connections of moving parts, and check for any broken parts or mounting devices, as well as any other factors that could compromise proper operation. Any damaged components should be professionally repaired or replaced by a qualified technician. Do not operate the device if any controls or switches are malfunctioning.
- Replacement parts and accessories. During maintenance, only use identical spare parts to avoid voiding the warranty. Utilize accessories specifically designed for use with this device.
- Refrain from operating the device under the influence of alcohol or drugs. If you are taking prescribed medication, consult the package insert to ascertain if your judgment or reflexes may be affected. If in doubt, avoid using the tool.
- Maintenance. To ensure safety, schedule regular maintenance and servicing performed by a qualified technician.
- Caution for pacemaker users. Individuals with pacemakers should consult a medical professional before using this product. Electromagnetic fields in close proximity to a pacemaker can lead to malfunctions or interference. Pacemaker users should also exercise caution near coil spark plug wires or a running engine's distributor. The engine should always be turned off when making adjustments to the distributor.

Note: Fluctuations in air pressure and compressor output can result in unstable performance of this tool.

## Specific Safety Measures For The Product

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Please be aware that this device is intended for operation by individuals who are qualified and have received appropriate training. It should only be operated after a thorough understanding of the safety guidelines and operational procedures outlined in this user manual.

- Smoking is strictly prohibited in the vicinity of this device.
- Ensure that you work in a well-ventilated area at all times.
- In the event of a leak from the device or hoses, immediately switch off the power at the main switch and proceed to address the issue promptly.
- Promptly clean up any spilled or leaked fluids. It is advisable to have an empty plastic bucket nearby in case a leak occurs. Additionally, keep a fire extinguisher of type ABC within reach in case of fire emergencies.
- If you come into contact with oil and solvents, always take precautions to protect your skin and eyes.



## Operation

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Never start the motor vehicle engine inside a garage or any enclosed structure. Running the engine produces carbon monoxide, a deadly gas in confined spaces.

Symptoms of carbon monoxide poisoning resemble those of the flu, including headaches, dizziness, or nausea. If you experience any of these symptoms, immediately exit to the open air for your safety.



## Information

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1. Oil pressure gauge (new oil)
2. Fuse
3. Oil pressure gauge (old oil)
4. Flow control switch
5. Switch On / Off
6. Operating light
7. Old oil inspection glass
8. New oil inspection glass
9. Return control switch
10. Oil supply connection
11. Oil return connection
12. New oil tank
13. Old oil tank
14. Adaptor set
15. Oil filter neck



## Specification

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- Voltage source: 12 V (car battery)
- Pump output: 70 W
- Oil pressure gauge diameter: 70 mm (both oil pressure gauges) Oil pressure display range: 0-150 psi (0-10 bar)
- (Both oil pressure gauges)
- Fresh oil tank capacity: 30 litre
- Old oil tank capacity: 30 litre
- Oil hose: length 126 x Ø12.5 mm (1/2 inch) (red)
- Oil hose: length 126 x Ø 12.5 mm (1/2 Inch) (black)
- All hoses with quick couplings (plug and socket)
- Max. Hose pressure: 300 psi (20 bar)

## Preparation

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1. Position the vehicle on a secure lifting platform or use reliable car jacks in a well-ventilated space.
2. Engage the parking brake and turn off the engine.
3. Identify the hose connections on both the gearbox and radiator.
4. Strictly adhere to all safety instructions and guidelines provided in this manual.
5. Position the automatic transmission oil exchange and flushing machine adjacent to the vehicle.
6. Connect it to a properly fused power source (12 V, 50 Hz).
7. Ensure you have the new transmission fluid or a suitable cleaning agent readily available alongside the automatic transmission oil exchange and flushing machine.

## Cleaning Procedure

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- Start by loosening the return line located under the gearbox and automatic transmission cooler.
- Connect the black hose from the transmission oil exchange and flushing machine (return line) to the appropriate return connection beneath the gearbox. If necessary, use the provided adapter or connecting pieces to ensure a secure connection. Then, attach the other end of the black hose to the quick connector of the return connection [11] on the transmission oil exchange and flushing machine, as shown in the figure below.
- Run the red hose (feed line) from the quick connector of the feed connection [10] on the transmission oil exchange and flushing machine to the oil feed connection of the automatic transmission cooler.
- Extend the new oil line from the new oil tank [12] into a separate container containing the approved cleaning agent (ensure it reaches the bottom). You can find information on the approved cleaning agent in the vehicle manufacturer's maintenance manual.
- Rotate the flow control switch [4] to the "NEW OIL CHANGE" position (left).
- Turn the return control switch [9] to the "OIL CLEANING" position (right).
- After lifting the vehicle, activate the On/Off switch [5] on the transmission oil exchange and flushing machine to begin filling the cleaning agent into the gearbox.
- Monitor the new oil inspection glass [8] for the presence of the cleaning agent. Once you can see the cleaner in this glass, proceed to start the engine.
- While the engine is running, carefully observe the flow through both inspection glasses [7 and 8]. When you can see the cleaning agent in the old oil inspection glass [7], promptly turn off the On/Off switch [5] and adjust the (left) flow control switch [4] to the following position:
  - Allow the engine to run for approximately 10 minutes. During this time, starting from first gear, cycle through all the gears in ascending order.
  - Switch off the engine and follow the steps for the oil change cycle outlined below.



## Oil Change Procedure

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- Begin by loosening the return line located under the gearbox and automatic transmission cooler.

- Connect the black hose from the transmission oil exchange and flushing machine (return line) to the appropriate return connection beneath the gearbox. If necessary, utilize the provided adapter or connecting pieces for a secure connection. Attach the other end of the black hose to the quick connector of the return connection [11] on the transmission oil exchange and flushing machine, as shown in the figure below.

- Route the red hose (feed line) from the quick connector of the feed connection [10] on the transmission oil exchange and flushing machine to the oil feed connection of the automatic transmission cooler, as depicted in the figure below.

- Refer to the vehicle manufacturer's maintenance instructions to determine the correct type and quantity of transmission oil needed.

- Twist open the oil filler cap [15] located on the top side of the transmission oil exchange and flushing machine. Fill it with double the amount of new oil required for the change, following the manufacturer's specified quantity. Due to the oil remaining in the machine, it is advisable to add approximately 2-3 litres more oil.

- Rotate the (left) flow control switch [4] to the "NEW OIL CHANGE" position.

- Turn the (right) return control switch [9] to the "NEW OIL CHANGE" position.

- Activate the On/Off switch [5] on the transmission oil exchange and flushing machine and initiate the oil change process. The pump pressure will push the new oil into the gearbox.

- When you can see the new oil in the new oil inspection glass [8], start the engine while monitoring the flow through the new oil inspection glass [8].

- Observe the flow rate of both the new and old oil [7, 8]. They should flow at the same rate. If the old oil [7] flows faster than the new oil [8], adjust the flow using the ball valve on the black return connection [11].

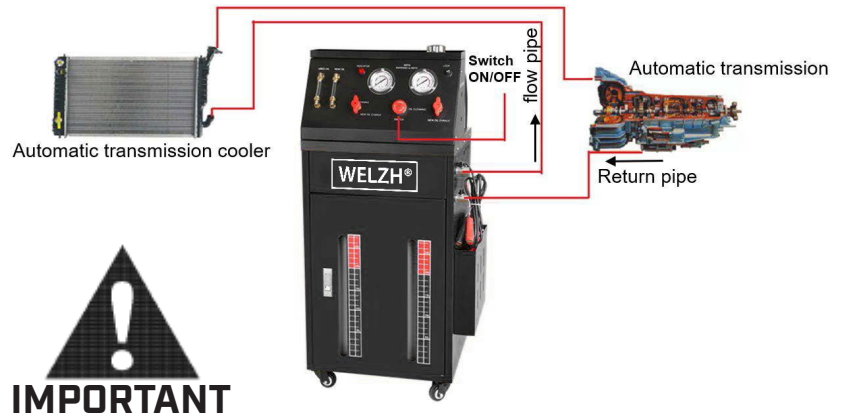
- During the oil change process, shift through the gears in ascending order, starting from first gear. Keep each gear engaged for 10 seconds.

- Continue observing the oil flow through both inspection glasses [7, 8]. Once the oil in both glasses has the same colour, turn off the engine and switch off the main switch on the transmission oil exchange and flushing machine. The oil change process is complete.

- Reconnect the oil drain hose (return line) from the gearbox to the automatic transmission cooler inlet and securely tighten the clamps.



**After changing the oil, the gearbox oil level must be checked and corrected if necessary.**



## Maintenance

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- Empty all hoses used into an appropriate oil disposal tank.
- After utilizing the transmission oil exchange and flushing machine, neatly coil the red and black hoses and secure them in the designated holder on the side of the machine.
- Return the adapter pieces and hoses to their respective slots in the adapter case. Store the adapter case at the rear of the transmission oil exchange and flushing machine.
- If the oil flow rate through the transmission purge unit remains consistently low even with increased air pressure, it is advisable to replace its oil filter.

## Troubleshooting

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- **Issue:** The transmission oil exchange and flushing machine does not run when you turn on the mains switch.
  - **Possible Solutions:**  
Verify if the voltage display is illuminated. If not, there may be a power supply issue. Check the power source and ensure it's functioning correctly.
  - Examine whether the pump is operational. If it's not running, there could be a problem with the pump itself or its connections. Inspect and rectify any pump-related issues.
- **Issue:** The hoses are connected, but the inspection glasses do not display any flow even when air pressure is increased.
  - **Possible Solutions:**  
Ensure that the flow and return control switches are correctly set. Incorrect settings can impede the flow of fluids. Adjust them to the appropriate positions.
- **Issue:** The hoses are connected, but the inspection glasses still do not indicate any flow even with increased air pressure and the engine running.
  - **Possible Solution:**  
Check if the directions of the feed and return hoses are possibly reversed. Incorrect hose connections can prevent fluid flow. Correct the hose connections to the proper orientation to resolve the issue.



## ADAPTORS LIST      VEHICLE LIST

33	Plastic Hose
34	Hose, black (4)
35	
36	
37	
38	Hose, Black (2)
39	
X	Hose Clamps, small (4)
X	Hose Clamps (2)
X	Holding Plate (6)
X	Washer (6)
X	Clamp (2)

1	Volkswagen
2	
3	
4	Volkswagen, Toyota
5	
6	Volkswagen
7	
8	Buick
9	
10	Buick, BMW
11	
12	Audi
13	
14	
15	Land Rover
16	Volkswagen
17	Audi
18	Audi
19	Land Rover
20	BMW
21	
22	
23	Volkswagen
24	
25	Volkswagen, Peugeot
26	Volkswagen Tiguan
27	Volkswagen
28	Ford
29	Buick

### ENVIRONMENTAL PROTECTION

Unused materials should be recycled rather than being discarded in regular waste disposal. All tools, accessories, and packaging materials must be segregated and transported to a recycling facility for environmentally responsible disposal.



### DISPOSAL GUIDELINES

When this product reaches the end of its operational life, it should be disposed of in compliance with the EU Directive concerning Waste Electrical and Electronic Equipment. You can obtain information regarding recycling options from your local municipal waste management agencies.



### Warranty

Limited 12 month warranty from date of purchase. If you are unsure on how to use the item please contact us. If it were to fail due to a manufacturing fault or poor workmanship we will repair or replace it. Please contact your local dealer in the event you need to send the item back. You can also make a repair/replacement request on our website and download & complete the form online. Normal wear and tear along with misuse will void any warranty. Consumables are not covered under warranty.

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