

# Operating Manual

## Oil Change Machine

64360

# wiltec



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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## Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it. Keep these operation instructions in a safe place.

## Intended use

This oil change machine removes, cleans, and replaces oils and other liquids from most types and models of automatic gearboxes, hydraulic torque gearboxes, gear coolers, and gear cooler lines.

**Warning!** During use, basic safety precautions should always be followed to reduce the risk of property damage and personal injury. Before use, read all instructions, safety warnings, and precautions.

## Safety instructions

- Keep your working area tidy. Untidy work areas invite accidents.
- Pay attention to the conditions in the work area. Do not use machines or power tools in damp or wet places. Do not expose them to rain. Always make sure that your working area is sufficiently lit. Do not use power tools near flammable liquids or gases.
- Keep children away. Children must never be allowed in working areas. Do not let them play with machines, tools, or extension cords.
- When not in use, tools must be stored in a safe, dry place to prevent rusting. Always lock up tools and keep them out of children's reach.
- Use the tool that matches the respective job to do. This tool has been designed for specific purposes. Do not modify this device in any way and do not use it for anything else than its intended purpose.
- Wear appropriate clothing. Do not wear loose clothing or jewellery that could get caught in moving parts. It is recommended to wear protective clothing made of non-conductive material and non-slip shoes when working. Securely tie long hair together.
- Wear protective goggles and hearing protection. Always wear an approved dust mask or respirator when working near chemical dusts and mists.
- Do not lean too far forward. Always ensure a safe stand and keep your balance. Do not reach over or across running machines.
- Maintain tools with care. Check tool cords and hoses regularly and keep them clean, dry, and free of oil and grease at all times.
- Check that all wrenches and adjusting keys are removed from the tool or machine work surface before operation.
- Avoid unintentional starting.
- Always be careful. Concentrate on what you are doing and work with common sense. Do not use any machine if you are tired.
- Before using any tool or machine, you should carefully inspect it to make sure that it is working properly.
- Check the alignment of moving parts and ensure that they are not blocked and are able to turn freely. Furthermore, check the machine for broken parts, loose fixations, and any other condition that could impair the correct operation. Any damaged part should be properly repaired or replaced by a qualified technician. Do not use the machine if any control or switch is not working properly.
- Only use identical spare parts. Only use accessories designed for use with this device.
- Do not use the device when being under the influence of alcohol or drugs. If you are taking prescription medication, read the package insert to determine if your judgment or reflexes are affected by it. If there are doubts, the device must not be operated.
- For your safety, regular maintenance should be performed by a qualified technician.
- People wearing a cardiac pacemaker should consult their doctor before operating this device. Electromagnetic fields in the immediate vicinity of a pacemaker can lead to interference or failure of the pacemaker.



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- Use caution when near the coil, spark plug leads, or distributor of a running engine. The engine should always be switched off when working on the distributor.

**Note!** Machine performance may vary depending on air pressure and compressor performance.

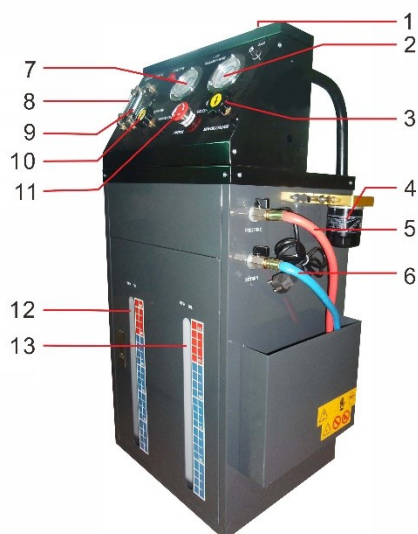
## Product-specific safety instructions

**Attention!** This device is intended to be operated by qualified and trained personnel. It may only be put into operation after the operating and safety instructions in these operating instructions have been read and understood.

- Wear protective goggles.
- Do not smoke near this device.
- Only operate the device in well-ventilated areas.
- If leaks are found in the device or hoses, immediately disconnect the mains plug from the mains.
- Clean up spills or leaks immediately.
- Note that most manufacturers do not allow cleaning with detergents. Please inform yourself before cleaning and clean with waste oil flushing or cleaning agent depending on the manufacturer's recommendation.
- Keep an empty plastic bucket handy in case of a spill.
- In case of fire have an ABC fire extinguisher ready.
- Always protect your skin and eyes from contact with oil and detergent. Wear gloves and safety goggles during the process.

**Attention!** The warnings, precautionary measures, and instructions of this operation manual cannot cover all possible conditions and situations. Always use the device with foresight and greatest prudence possible.

## Parts



No	Name	No	Name
1	Oil filler neck	8	Waste oil inspection glass
2	Pressure gauge for the oil return	9	New oil inspection glass
3	Switch 1	10	Switch 2
4	Filter	11	ON/OFF switch
5	Oil flow connection	12	Level indicator used oil
6	Oil return connection	13	New oil level indicator
7	Oil pressure gauge		

## Operation

**Attention!** The car engine must never be operated in a garage or other closed building. When the engine is running, carbon monoxide (CO) forms, which is fatal in closed rooms. Signs of carbon monoxide poisoning resemble flu symptoms with headache, dizziness, or nausea. If you notice any of these signs, get out into fresh air immediately.

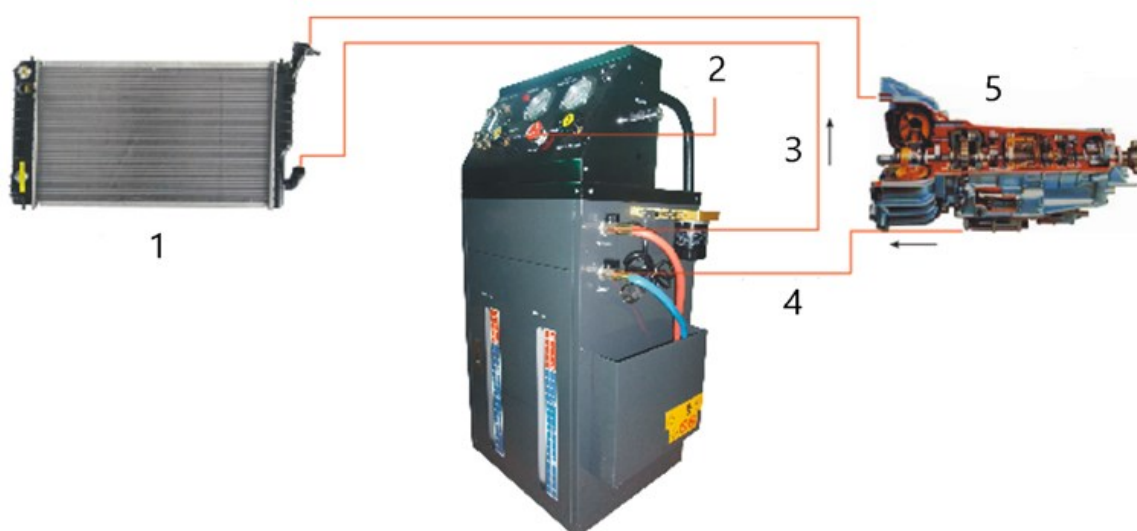
### Preparation

1. Check if there is enough new gear oil and all the required new parts (oil filter, seals) available.
2. Place the vehicle on a lift or secure jack in a well-ventilated area.
3. Apply the parking brake and turn off the engine.
4. Find the locations of the hose fittings on the transmission and radiator.
5. Follow all safety warnings and instructions found in this manual as well as those found in the vehicle manufacturer's user manual.
6. Place the device next to the vehicle.
7. Connect it to a secured voltage source (230 V, 50 Hz, 0.3 A).
8. Have fresh transmission fluid ready.

### Cleaning cycle with detergent

1. Before cleaning with a cleaning agent, find out if this cleaning method is approved by the manufacturer of the gearbox. Otherwise, we recommend rinsing with oil instead of detergent.

2. Disconnect the return line under the transmission and from the automatic transmission cooler.
3. Connect the black hose of the oil changer (return line) to the oil drain neck under the gearbox (using the adapters or connectors provided if necessary). Connect the other end of the black hose to the quick connector of the return fitting on the oil changer as shown.
4. Lay the red hose (feed line) from the quick connector of the feed socket on the oil changer to the oil inlet socket of the transmission heat exchanger.
5. Connect the supply line to the fresh oil inlet port on the oil changer using one of the transparent hoses from the adapter set. Insert the other end of the hose into the detergent tank (to the bottom). Consult the vehicle manufacturer's service manual for information on approved cleaning agents.
6. Turn the advance control knob (left) to the "Pressure" position.
7. Turn the reverse control knob (right) to the "Filling" position.
8. With the vehicle jacked up, turn on the oil changer power switch so that the cleaning agent is now injected into the transmission.
9. After injection, turn off the power switch and turn the feed control switch (left) to "Recycle."
10. Turn the reverse control switch (right) to the "Recycle" position.
11. Turn on the engine to start the cleaning process. It should last 5 min.
12. Meanwhile, observe the flow through the inspection glasses.
13. After 5 min, switch off the engine.
14. Follow the steps for the oil change cycle (below).



No	Name	No	Name
1	Radiator	4	Return line
2	Power switch	5	Gear box
3	Outlet hose		

### Oil change cycle

1. Leave the black (return) and red (supply) hoses connected as described in the previous steps, but disconnect the hose from the transmission flusher fresh oil inlet fitting.
2. Refer to the vehicle manufacturer's service manual for the appropriate type and quantity of transmission fluid.
3. Remove the oil filler cap on top of the transmission flusher and fill in the appropriate amount of fresh oil. Note the amount of fluid in the oil pressure gauge of the transmission flushing device.
4. Turn the advance control knob (left) to the "Pressure" position.
5. Turn the reverse control knob (right) to the "Recycle" position.
6. Turn on the power switch of the transmission flusher and start the oil change. The pump pressure presses the fresh oil into the transmission. Start the engine while observing the flow through

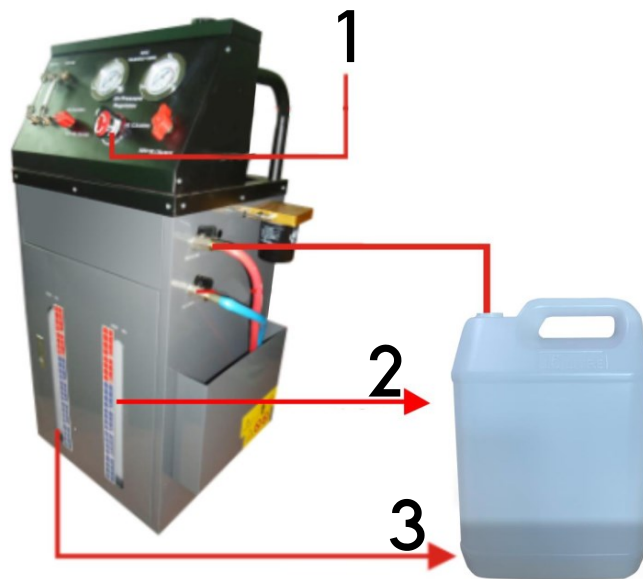


the fresh-oil inspection glass. Observe the flow of fresh and used oil. Both should flow at the same flow rate. If the used oil flows faster than the new oil, adjust the flow with the ball valve on the black return line.

7. When changing the oil, shift gears in ascending order from first gear. Leave each gear engaged for 10 s.
8. Observe the oil flow through the two inspection glasses. As soon as the oil in both inspection glasses has taken on the same colour, switch off the engine and main switch of the transmission flushing device. The oil change is finished.
9. Reconnect the transmission oil drain hose (return line) to the transmission cooler inlet. Tighten the clamps securely.

### Emptying used oil from the oil changer

1. Lay a hose from the adapter kit from the fresh oil inlet port on the oil changer to its return port.
2. Connect the black hose to the flow connector of the oil changer. Place the other end of the black hose in an appropriate disposal tank.
3. Turn the advance control knob (left) to the "Pressure" position.
4. Turn the reverse control knob (right) to the "Filling" position.
5. Turn on the power switch of the oil changer. Meanwhile, observe the flow through the inspection glass.
6. Once all the waste oil is drained from the oil changer tank, turn off the power switch. Put all hoses back in their original position.
7. Dispose of used oil and cleaning agents in accordance with regulations.



Nº	Name	Nº	Name
1	On/off	3	Used oil
2	New oil		

### Maintenance

1. Drain all used hoses into a suitable oil disposal tank.
2. After using the oil changer, coil up the red and black hoses and place them in the bracket on the side of the device. Put the adapter pieces and hoses back in their box. Store the adapter box on the back of the oil changer.
3. If the flow rate through the oil changer remains very low even with higher air pressure, replace the oil filter.













### Troubleshooting

1. You turn on the power switch of the oil changer, but it does not run.
  - Check that the voltage indicator is lit.
  - Check that the pump is running.
2. The hoses are connected, but the inspection glasses show no flow even with increased air pressure.
  - Check that the forward and reverse switch settings are correct.
3. The hoses are connected, but the inspection glasses show no flow even with increased air pressure and with running motor.
  - Check to see if the supply and return hose directions are reversed.

### List of adapters and vehicles

No	Figure	Qty.	Vehicle
1		1	Jaguar
2		1	VW
3		1	Audi Q5
4		1	Universal adaptor
5		1	Universal adaptor
6		1	Universal adaptor



7		1	VW (M12)
8		1	Ford Escape
9		1	Ford Escape
10		1	VW (M12x10)
11		1	VW (M12x12)
12		1	Opel, Saab, Excelle, Epica, Dae-woo
13		1	VWogG
14		1	VWogG
15		1	VW og, Reiz
16		1	Buick Excelle
17		1	Buick Sail
18		1	Benz SLK/CLK



<p><b>19</b></p>		<p>1</p>	<p>Audi A4L, A6L, Audi Q5 o AW</p>
<p><b>20</b></p>		<p>1</p>	<p>Audi A6L</p>
<p><b>21</b></p>		<p>1</p>	<p>Universal adaptor</p>
<p><b>22</b></p>		<p>1</p>	<p>Ford Mustang</p>
<p><b>23</b></p>		<p>1</p>	<p>Land Rover</p>
<p><b>24</b></p>		<p>1</p>	<p>Grand Cherokee 8HP</p>
<p><b>25</b></p>		<p>6</p>	<p>Hose</p>



## Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WilTec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic devices (intended for use in the countries of the European Union and other European countries with a separate waste collection system for these devices).

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

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