

Transmission Fluid Exchanging machine

Operating instructions

Model : ATF-20DT
(12V)



Please read the manual carefully before operation

Description: Exchange and drain automobile transmission oil, clean the transmission system.

DISCLAIMER: Information, illustrations, and specifications contained in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without obligation to notify any person or organization of such revisions or changes. Further, producer shall not be liable for errors contained herein or for incidental or consequential damages (including lost profits) in connection with the furnishing, performance, or use of this material. If necessary, obtain additional health and safety information from the appropriate government agencies, and the vehicle, refrigerant, and lubricant manufacturers.

Terms of service and quality assurance:

Thank you for choosing our products.

- This product warranty period of one year, during the warranty period, non-artificially damaged product quality problems, dealers or manufacturers to provide free maintenance accessories, by dealers or manufacturers designated maintenance personnel to carry out free maintenance.
- After the end of the one-year warranty period, the product quality problem needs to pay the spare parts cost and the maintenance cost.
- Machine accessories that need to be repaired or replaced must contact the local dealer or manufacturer to confirm and provide valid certificates so that the machine problem can be solved in a timely manner.
- We have a perfect quality service system to ensure that the quality of machine products is reasonably solved.

There is no warranty under the following circumstances:

- ✓ Consumable materials, such as lubricating oil for vacuum pumps, drying filters, etc.
- ✓ Damage to machinery or accessories due to abnormal operation.
- ✓ Accidental damage to transport or warehousing and transshipment of machinery or accessories.

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Important Safety Information's

This equipment is designed to be operated by qualified and trained personnel. Which should have enough knowledge of auto transmission repair & maintenance. It should only be operated after reading and understanding the safety warnings and operating procedures in this instruction manual and the vehicle's service manual.

When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

The unit is extremely simple and reliable in selecting and performing all its functions. Therefore, the user is not exposed to any risk, if the general safety guidelines reported below are followed, in association with proper use and maintenance of the unit (improper use and maintenance will reduce the safety of the unit).

1. Checking the unit always before operation. Avoid working process without enough oil or with bad quality oil.
2. Keep all soft tubes/hoses away from hot parts and rotating elements, such as: cooling fans, radiators and etc.
3. Checking power switch under normal working condition or not.
4. Polluted transmission oil is avoided from adding into the transmission system.
5. Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
6. Do not use external tanks or other storage tanks that have not been type-approved or lack safety valves.
7. Do not leave power supplied to the unit unless the unit is going to be used immediately. Cut off the electrical power supply prior to long intervals in which the unit will not be used.
8. All of the flexible hoses may contain transmission oil under high pressure.

9. The professional maintenance personnel must be sure that there is no pressure in the pipeline during the maintenance of the machine
10. When the machine works, the operator must look at the machine at all times and do the corresponding operation in time.
11. The recommended service life of the machine is six years.
12. The scrapping of the machine needs to be dealt with by the relevant departments in accordance with the local laws and regulations.

Warnings



ALLOW ONLY QUALIFIED PERSONNEL TO OPERATE THE UNIT. Before operating the unit, read and follow the instructions and warnings in this manual. The operator must be familiar with air conditioning and refrigeration systems, refrigerants, and the dangers of pressurized components. If the operator cannot read this manual, operating instructions and safety precautions must be read and discussed in the operator's native language.



PRESSURIZED TANK CONTAINS LIQUID REFRIGERANT. Do not overfill the internal storage vessel, because overfilling may cause explosion and personal injury or death. Do not recover refrigerants into nonrefillable containers; use only federally authorized refillable containers





HOSES MAY CONTAIN LIQUID REFRIGERANT UNDER PRESSURE. Handle refrigerant with care as serious injury may occur. Wear protective equipment, including safety goggles, rubber gloves.



DO NOT USE AN EXTENSION CORD. An extension cord may overheat and cause fire. If you must use an extension cord, use the shortest possible cord with a minimum size of 14 AWG. **TO REDUCE THE RISK OF FIRE, do not use the unit in the vicinity of spilled or open containers of gasoline or other flammable substances.**



DO NOT USE COMPRESSED AIR TO PRESSURE TEST OR LEAK TEST THE UNIT OR TRANSMISSION SYSTEM.





	HORIZONTAL HOLD. During operation, the device must be on a level, flat surface so that the measurement can be made correctly
	Protect the device against rain Do not expose this machine to direct sunlight or rain. Used in a well ventilated area

Transport and packing

1. No pressure in the system after packing
2. Storage and transport must refer to the marks on the box. Avoid rain, and notice the placed direction.
3. Make sure the product and accessory in box should be complete and identical whit the part list, if not please contact with the local distributor in time
4. The proper disposal of the packaging is the responsibility of the customer
5. Disposal of machine scrapping according to local policies, laws and regulations

Accessoires

Check the accessories according to the packing list. If any missing parts or damaged parts found, please contact the dealer in time.

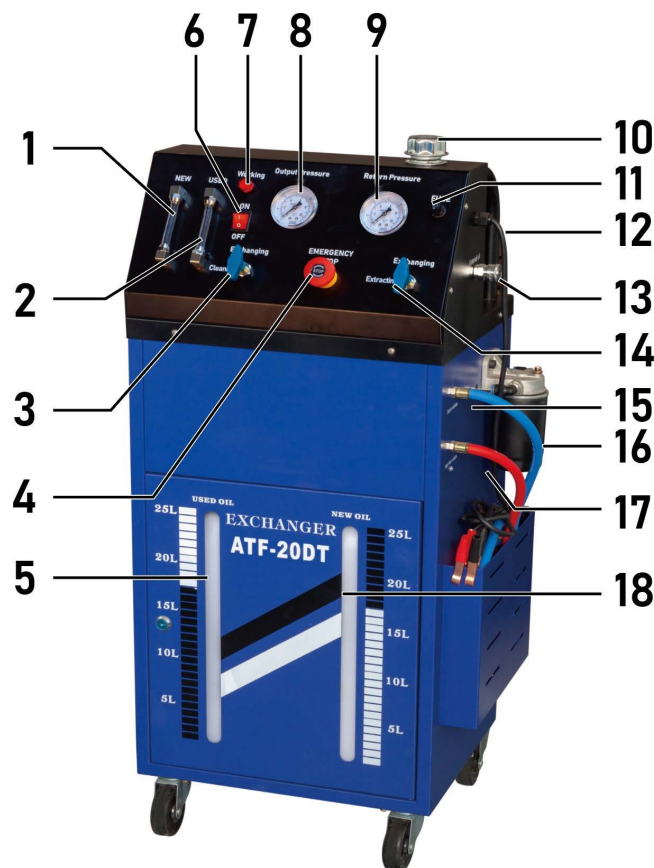
Pic	Name	Qty
	Manual	1 pc
	Adapters	1 kit
	Wheels	4 pcs
	M6*16 screws	16 pcs

Technical data

Parameter	Value
Power Supply:	DC 12V
Work temperature:	5 ~ 50°C
Machine Power:	250W
Tank volume	20L*2

Product description

1. Functions:
 - 1.1. Auto transmission system cycle cleaning
 - 1.2. Auto transmission oil exchanging
2. Appearance description



1	New oil window
2	Used oil window
3	Switch valve 1
4	Emergency stop switch
5	Used oil tank level
6	Power switch
7	Working indicator
8	Output pressure gauge
9	Return pressure gauge
10	New oil inlet
11	Fuse
12	Power cord
13	External oil inlet
14	Switch valve 2
15	Oil outlet pipe
16	Oil filter
17	Oil return pipe
18	New oil tank level

Operation instructions

1. Prepare for the first time to use.

- 1.1. Check the accessories whether they are missing/damaged or not.
- 1.2. Fill up new transmission oil into the new oil tank, keep the waste oil bottle empty.

2. Fill up oil from external tank

- 2.1. Insert the transparent connecting tube into the new external oil drum and point the switch "valve 1" to the "Exchanging" position, and switch "valve 2" to the "Extracting" position).



- 2.2. Connect the power cord DC 12V power supply.

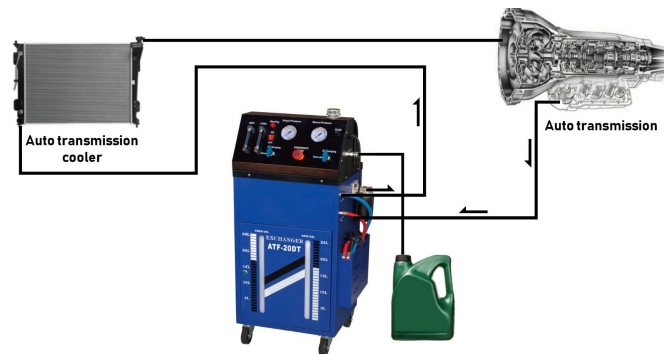
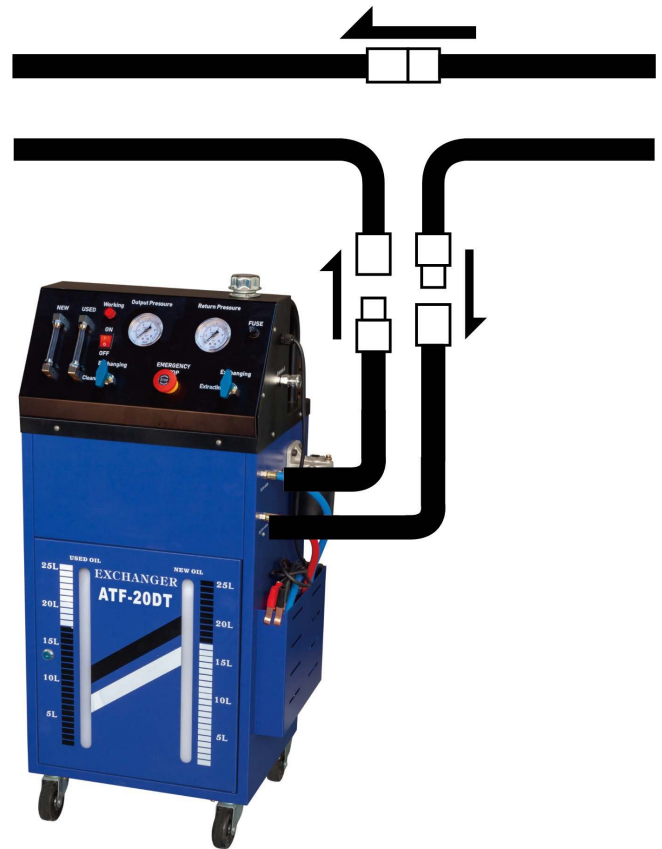
- 2.3. Turn on the power switch to start extract oil form external drum.

3. Cycle cleaning

- 3.1. Make sure that the car is in a braking state and lift the car safely.

- 3.2. Disconnect an ATF oil pipe that is convenient for disassembly and assembly on the car.
- 3.3. Find suitable connectors from the box and connect the red and blue oil pipes to the two ends of the removed oil pipe respectively.

TRANSMISSION OIL PIPE ON VEHICLE



- 3.4. Start the engine briefly and judge the direction of oil in and out.
5. Connect the oil outlet pipe of the car to the oil return pipe, and connect the oil inlet pipe of the car to the oil outlet pipe.
- 3.6. Connect a short transparent tube to the external oil inlet(13) and insert the other end of the transparent short tube into the cleaning fluid.
- 3.7. Point the machine's valve 1 to "Exchanging" position, and valve 1 to "Extracting" position.



3.8. Turn on the power switch to start extract cleaning fluid.

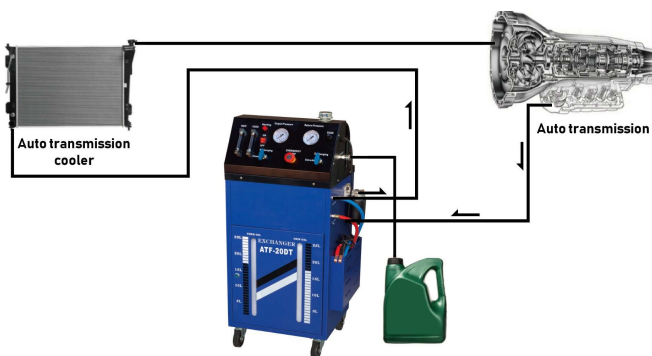
3.9. After the cleaning fluid is completely extracted, remove the transparent short tube. Turn off the power switch. Point the machine's valve 1 to "Cleaning" position, and valve 2 points to "Extracting" position.



3.10. Start the engine. At this time, the machine is in cycle cleaning process, and the flow of used oil can be observed from the used oil windows.

Adjust car gears during the cleaning process, each gear stays for about 5-10 seconds, and the cleaning is completed after 5 minutes Turn off the engine.

4. Oil exchange



4.1. After the cycle cleaning is over, Point the

machine's valve 1 to "Exchanging" position, and valve 2 points to "Exchanging" position. Start the engine, when oil flows through the old oil window, turn on the power switch in hurry to inject new oil into the transmission, and the automatic gearbox starts to exchange used oil and new oil.



- 4.2. During the oil change process, observe the level of the new and used oil tanks. If the new oil is flowing slower than the used oil, use the valve on the oil return pipe to reduce the flow of the used oil to balance the flow rate of the new and used oil.
- 4.3. Adjust car gears during exchanging, each gear needs to stay for about 5-10 seconds.
- 4.4. Pay attention to the color of used oil by observing used oil window. When the color of the used oil changes from dirty to the same color as the new oil, it means that the used and new oil has been exchanged.
- 4.5. Turn off the engine and connect the oil pipe of the transmission as it is, then start the engine again, check the transmission oil amount after switching to the P gear. If the oil amount is insufficient, replenish new transmission oil, also pay attention to check whether the pipelines are leaking oil. Test drive for about one kilometer and check again (Very important).

Warning:

1. Pay attention to the correct connection method of the pipes;
2. Pay attention to whether the joints are leaking. If there is any leakage, stop the machine and reinstall it;
3. If you find that the system is working abnormally, use the Emergency stop switch to stop the machine and check immediately, contact the dealer to solve the problem for you..

Maintenance

1. Drain waste oil from the equipment

1.1. Point the valve 1 to the "Exchanging" position, and valve 2 to "Extracting " position.



1.2. Short-circuit the oil return pipe and the external oil inlet connector.

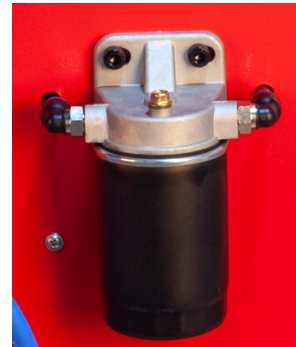


1.3. Connect a connector at the end of the oil outlet pipe, turn on the power switch to drain the waste oil.

2. Replace the filter

When the oil change volume reaches 100L, the filter should be replaced for better oil change effect.

1. Make sure there is no pressure in the pipe before replacing the filter.
2. Rotate to remove the filter and install a new filter.



3. Connect the transparent pipe to the oil outlet pipe of the equipment, with the two valves pointing towards Exchanging, turn on the power switch to exhaust the air in the pipe.

Adapter Kit Packing List

Serial No.	Picture	Quantity	Serial No.	Picture	Quantity
A1		1	A16		2
A2		1	A17		1
A3		1	A18		1
A4		1	A19		3
A5		1	A20		1
A7		1	A21		1
A10		1	A22		1
A11		1	A23		1
A12		1	A23-2		1
A13		1	Pipe		6
A14		1	Clips		2
A15		1			

WARRANTY CARD

DESCRIPTION: TRANSMISSION FLUID EXCHANGING MACHINE

MODEL NO.: ATF-20DT

SERIAL NO:

USERS NAME:

USERS TEL:

PURCHASING DATE:

DISTRIBUTOR:

DISTRIBUTOR ADDRESS:

DISTRIBUTOR TEL:
