ATF EVOLUTION

Cleaning and service device for Automatic Transmissions

The equipment is for specialist or qualified technician use only.

Disclaimer

- All information, illustrations, and specifications contained in this manual are based on the latest information available at the time of publication.
- CTP GmbH reserves all the rights to make changes at any time without notice.

Safety Precautions

Read all service procedures and precautions, installation instructions and equipment operating manuals thoroughly. Failure to observe these precautions, or the improper use of equipment, could result in property damage, serious injury or death. Never allow improperly trained personnel to perform these procedures or operate equipment.

- Read and understand the User's Manual before attempting to operate the ATF EVOLUTION
- Do not smoke in proximity to the machine while it is in operation.
- Do not use the machine in proximity to sources of heat and fire.
- Do not expose to direct sunlight or rain, use in well-ventilated work area only.
- Turn off the power after the operation is completed.
- When it is in operation, keep the hoses away from rotating elements and hot parts such as cooling fans, radiators, etc.
- Vehicle exhaust includes various poisonous and harmful gases (such as carbon monoxide, hydrocarbon, nitrogen oxygen complex, etc.). Keep the unit in a well ventilated work area when performing operation and wear safety goggles, respirator and clothes.
- The operator should keep away from the heat parts such as exhaust hoses and radiator to avoid the personal injury.
- When disconnecting any connector of the pressurized fluid pipe, wrap the connector with towel to prevent the fluid from spurting out.
- The children and mental retardation personnel should keep away from the unit during operation.
- The operator should be quite familiar with the shift of automatic transmission to avoid transmission damage caused by improper operation.
- Always make the drive wheels hanging when cleaning the transmission or exchanging fluid.
- The unit should be placed vertically and should not be placed upside down.
- When changing fluid, the operation should be performed by properly trained personnel. The quality of the selected ATF must conform to the direction as specified in the manual of the auto to be operated. Otherwise, CTP GmbH shall not be liable for any direct or consequential damages.

Note: specifying operations that require attention when operating the equipment.

Warning: Specifying a possible hazard that could result in damage to the machine or personal injury.

ENGLISH

Table of Contents

Introduction

The transmission fluid inside transmission will go bad after a period of usage of automatic transmission. If the transmission fluid can not be changed completely in time, it may cause the abnormality to the transmission. Generally speaking, auto transmission fluid changer can not control the filling quantity of the ATF as required, the excessive or shortage filling will cause the damage to auto transmission. ATF EVOLUTION auto transmission changer can complete the flush and fluid exchange in 20 minutes for transmission, torque converter and radiator. The fluid exchange rate is nearly 100%.

Features

- LCD display and personalized design making easy operation.
- Multi-language print.
- Filling and recycling of automatic transmission fluid.
- Automatic identification for the fluid flow inlet/outlet direction.
- Circulating cleaning for automatic transmission.
- Easy for detergent filling.
- Automatic exchange of new/used fluid.
- Visual display of the fluid pressures.
- Accurate display of the automatic transmission fluid temperature.
- Intelligent electronic control for the full automatic equivalent exchange of new and used fluid.
- Manually adding and upgrading database function.
- Various special adapters are applicable to vehicle types made in Europe, America and Asia.
- Effectively resolve the incomplete fluid exchange of manual operation.
- It improves the working performance of auto transmission.
- It prolongs the work life of transmission.

Working Conditions

- Ambient temperature: -10~+50°C
- Relative humidity: <90%

Specifications

- Power supply: AC 110V/60Hz or AC 220V/50Hz
- Maximum power: 150W
- Pressure gauge: 0~150psi
- Fluid outlet hose: 2.5 m
- Fluid return hose: 2.5 m
- Fluid draining hose: 1.2 m
- Filter precision: 5µm
- Fluid tank: 20 ltr x 2
- Equivalent exchange error: ±100ml
- Mean exchange speed: 2 ltr/MIN
- Noise: <70db
- Net weight: 70 kg
- Gross weight: 78 kg
- Size: 590 mmx700mmx1037mm

Structure
1. Outline

As shown in Fig. 1, ATF EVOLUTION is designed with a fine cabinet. There is a handle at the top of cabinet and two pairs of casters at the bottom of the cabinet, which makes it easy to move the unit. Fluid hoses are equipped with proper connectors for fast connection. The intelligible control panel helps you operate the machine easily.

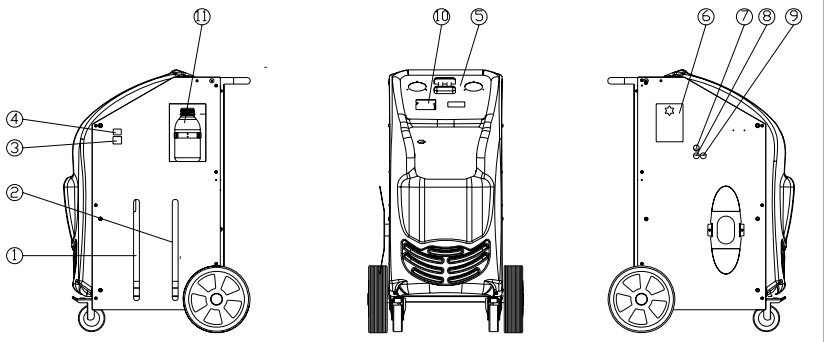

Fig. 1

① Sight indicator of used fluid
② Sight indicator of new fluid
③ Power plug hole
④ Power switch
⑤ Operation screen
⑥ Fluid filling port
⑦ Fluid draining hose
⑧ Hose
⑨ Hose
⑩ Printer
⑪ Detergent container

2. Overall structure

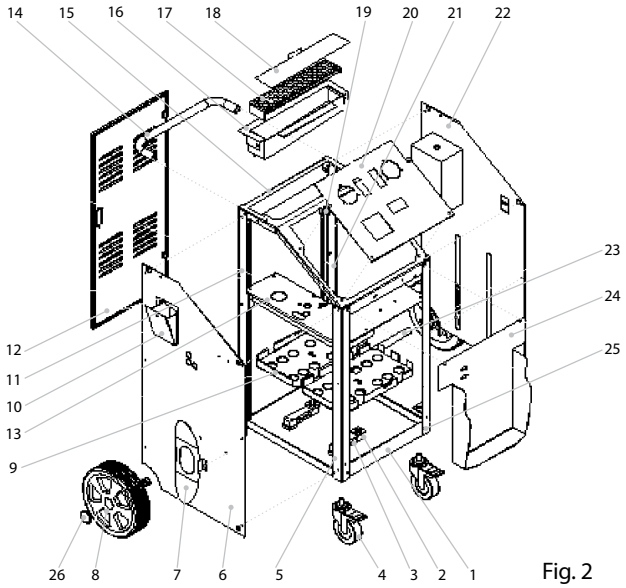

Fig. 2

SN	ERP Code	Name	SN	ERP Code	Name
1	X103201682	Bottom board	19	X103202568	Lower hinge joint welding body
2	103200444	Sensor cushion plate	20	103160062	Control panel
3	X103201688	Electronic scale	21	103230149	Rear left post
4	Z205010377	Front caster	22	X103240250	Left side board
5	102240004	Front right post	23	103202287	Caster axle
6	X103201715	Right side board	24	103201667	Front board
7	103202165	Hose brackets	25	103260005	Front left post
8	107040084	Back caster	26	103202285	Cover of back caster
9	X103201687	Tray for tank			
10	X103201683	Filling bucket			
11	199010013	Rear right post			
12	103200355	Door board			
13	X103201680	Middle spacer plate 01			
14	103202155	Handle			
15	103240243	Top board			
16	102990097	Oil trap			
17	102990096	Filter plate			
18	103230148	Oil trap cover board			

3. Pipeline diagram

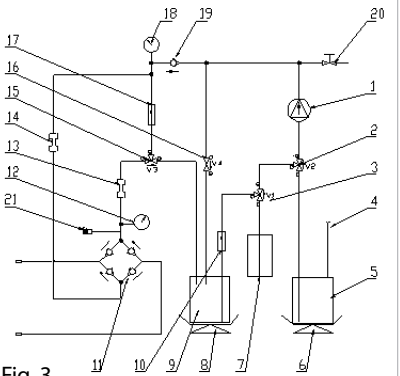

Fig. 3

1	Pump
2,3,15	Three-way solenoid valves
4	Fluid filling port
5	New fluid tank
6,8	Electronic scales
7	Detergent container
9	Used fluid tank
10,17	Filters
11	Fluid path identifier
12,18	Pressure gauges
13,14	Sight indicators
16	Two-way solenoid valve
19	Check valve
20	Ball valve for fluid draining
21	Temperature sensor

4. Circuit connection diagram

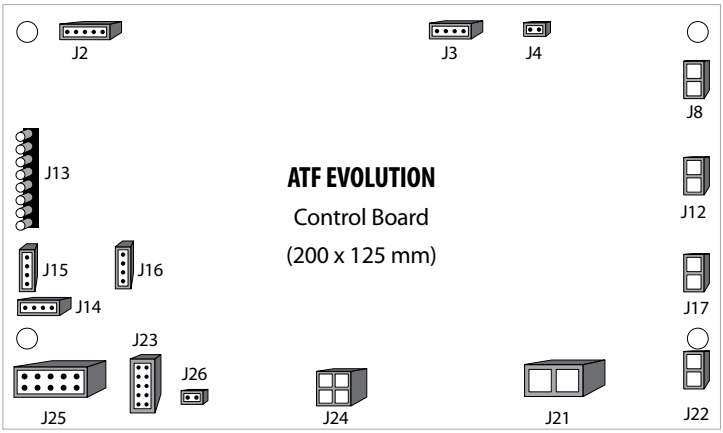

Fig. 4

J8	To solenoid V2
J12	To solenoid V1
J17	To solenoid V3
J22	To solenoid V4
J21	To oil pump
J24	To switch power supply
J26	To printer power supply
J23	To printer data cable

J25	To unit serial port cable
J14	To temperature sensor
J15	To used fluid tank sensor
J16	To new fluid tank sensor
J13	To key-press film
J2	To unit USB cable
J3	Test port, used by CTP GmbH only
J4	To sight indicators for used & new fluid

5. Control panel

Fig. 5

	Element	Description
1	NEW	Observe the flow rate and compare the color of new and used fluid. Display the fluid outlet pressure. Display the fluid pressure of AT radiator.
1	USED	
2	↑	Press it to select function option in main menu.
2	↓	Press it to select function option in main menu.
3	ENTER	Confirmation.
4	RETURN	1. Menu to return.
		2. Press one time to stop current operation, and press once more to return to previous interface.
5	DEL	Press to delete the previous character in focused window, and in database interface, press it you can delete some menu item.
6	LIGHT	1. In main-menu, you can switch on/off the lights of sight indicators.
		2. In focused window, press it you can enter the character of "."
		3. When entering some menu option on database interface, press it you can switch between uppercase and lowercase letters.
7	Numpad	0(A, B, C)
		1(D, E, F)
		2(G, H, I)
		3(J, K, L)
		4(*)
		5(M, N, O, P)
		6(Q, R, S)
		7(T, U, V)
		8(W, X, Y, Z)
		9(#)

1. Startup interface (as shown in Fig. 6):

In the startup interface press any key to enter the upgrade database and multilingual document interface.

Fig. 6

2. Main menu

The main menu of display screen is as shown in Fig.7

Fig. 7

Item	Description
Add detergent	Add ATF detergent to AT
Exchange	Exchanging ATF
Adjust fluid level	Adjusting the quantity of fluid inside AT
Empty new tank	Draining left fluid inside new fluid tank
Empty used tank	Draining used fluid inside used fluid tank
System setting	Modifying the system parameter, e.g.: Calibration of electronic scale, adjusting contrast, language selection, database entry.

Operations

Note:

During the unit is in operation, it will produce the vibration with a certain frequency and noise. This is the normal performance. Do not take it as the malfunction.

1. Preparation

1.1 Jack vehicle

Jack the vehicle to keep the drive wheel off the ground at least 200 mm, apply the parking brake and block the driven wheels in front and behind.

1.2 Connecting hose

1) Locate the fluid hose that is connected between the radiator and transmission at the most convenient location and then disconnect the adaptor. Locate the matched connector inside the connector box and connect it to the disconnected adapter.
2) Connect the two hoses marked "TO TRANSMISSION" of ATF EVOLUTION to the disconnected two ends of the hoses of automatic transmission (no necessary to consider the direction of the fluid flow). Refer to Fig. 8.

1.3 Power cables connection

Connect the power cables of the main unit to the designed power supply.

1.4 Check-up

1) Start the engine, and ensure that there is no leakage in pipeline.
2) Confirm that the power supply of the ATF EVOLUTION is normal, and then switch on the unit.

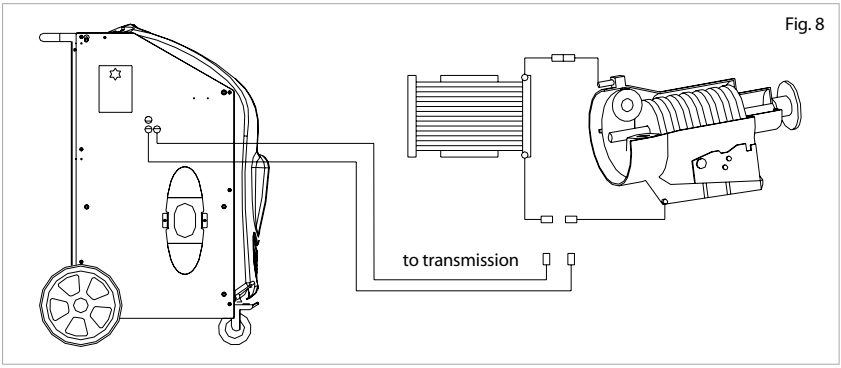

Fig. 8

2. Filling liquid

2.1 Filling detergent

When you are ready to perform the circulating cleaning for auto transmission, please fill proper amount of detergent into the detergent container.

2.2 Adding new oil

When you are ready to perform the ATF exchange operation, please fill new fluid into the new fluid tank from the fluid filling port.

3. Circulating cleaning

3.1 Fill detergent to auto transmission

1) Select the function of "Add ATF detergent" in main menu, and set the amount of the detergent to be filled (the setting range: 0.00-0.50 ltr). Refer to Fig. 9.

Note: Fill detergent before need to calibrate cleaning speed (see „cleaning speed" sensor calibration content).

2) Input the amount to be filled. The default value of the unit is 0.20 ltr and the maximum value is 0.50 ltr. Press ENTER key after the amount to be filled is confirmed, the detergent filled inside the detergent container will be pumped into the hose.

3) After the filling operation is finished, the system will automatically pop up print menu. Press ENTER key select print, press RETURN key to cancel printing. Refer to Fig. 11.

4) Print is completed or cancelled, will pop up 10 minutes cycle cleaning countdown. Refer to Fig. 12.

Fig. 9

Fig. 10

Fig. 11

Fig. 12

3.2 Circulating cleaning

After filling the detergent you start the engine. The cleaning process starts and restarts automatically when all hoses are connected properly. Cycle through all the gears for each one minute, to speed up the process.

For optimum cleaning effect, the vehicle speed in top gear should be at least 60 km/h.

3.3 Finish cleaning

After about ten minutes, you can turn off the engine of the vehicle, thus the cleaning is stopped.

4. ATF exchange

When different kind of fluid is used or the unit is stored for a long time, about 0.5 ltr new fluid should be filled into new fluid tank. With the way of emptying the new fluid tank, clean the fluid hoses and drain the air bubbles out from the unit.

1) Start the vehicle to warm up the fluid inside the transmission to normal temperature and fill the new transmission fluid with desired amount into it.

2) Check if the pipelines are well connected.

3) ATF exchange: as shown in Fig. 13, you can directly input the fluid amount to be changed, as well as you can obtain the amount from the database.

Fig. 13

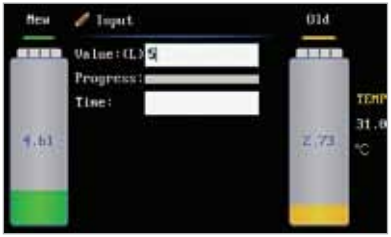

Fig. 14

Fig. 15

Fig. 16

4.1 Direct Input

Select Direct Input, and press ENTER key to enter into the next interface, and then input the fluid amount to be changed (the default value is 10 ltr), as shown in Fig. 14.

Be sure that there is no leak in the pipelines and press ENTER key to exchange, as shown in Fig. 15.

After the exchange operation is finished, the system will automatically pop up print menu. Press ENTER key select print, press RETURN key to cancel printing. Refer to Fig. 16.

Print is completed, return to Fig. 13 interface.

4.2 Database enter

1. Select and database enter, press ENTER key you can see the vehicle model menu as shown in Fig. 17.
2. Select the menu path of the specific vehicle model to enter the testing interface which displays the fluid amount to be changed, as shown in Fig. 18.
3. If the testing is not passed, the screen will display the operations which need to be performed, as shown in Fig. 19, Fig. 20, Fig. 21 and Fig. 22.
4. The system starts to drain the used fluid. You can wait for finish, as well as you can press RETURN key to stop the operation and return to the previous menu. As shown in Fig. 23.
5. The system starts to drain the used fluid. You can wait for finish, as well as you can press RETURN key to stop the operation and return to the previous menu.
   As shown in Fig. 23.
6. The interface prompts: Emptying OK! After the testing is passed, please press ENTER key to perform ATF Change while displaying progress bar and the waveforms for the change of new/used fluid. As shown in Fig. 24.
7. After ATF Change finished, the screen will display the amount of the new fluid changed, the amount of the used fluid changed, and the error between them, while printing out the amount of the new fluid which has been changed.
   Press RETURN key to return to the previous menu.
   1) Check the fluid level inside transmission. If the level is not enough, supplying fluid is required. Refer to the section of Adjust fluid level for the detailed operation.
   2) Disconnect the unit and resume the hoses of the transmission.
   3) Start the engine and check if there is oil leakage in the on-vehicle pipelines.

Fig. 17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

Fig. 22

Fig. 23

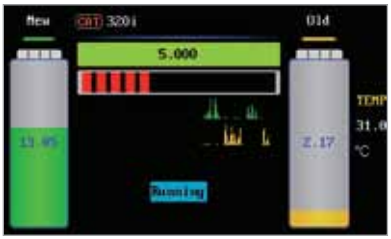

Fig. 24

Note:

- **Switch each gear when exchanging. The time of each shift should stay about 1 minute, which depends on actual situation. When the vehicle is running at high-speed gear and accelerate the speed to more than 60 km/h, the ATF inside fluid control pipeline can be exchanged.**
- **To ensure the exchange quality, the quantity of new fluid inside the unit should be 2~3 ltr. more than that of the fluid required by automatic transmission.**
- **Do not add new fluid from the new tank during the running period of exchange. Otherwise, the operation will result in inequality amount. If there must be added the new fluid, fill after this exchange process is completed!**

5. Adjusting fluid level

5.1 Increase fluid amount

When the fluid in transmission is not enough, supply it with the desired amount of fluid. Select this operation.

1) Enter the menu of Adjust fluid level, select 'Filling', it indicates that the fluid is being filled into the transmission. The maximum of the adjustment is the fluid amount inside new tank. The interface is as shown in Fig. 25.
2) Input the amount to be filled, press ENTER key. As shown in Fig. 26.
3) When the recharging is completed, the system will.automatically pop up print menu. Press ENTER key select print, press RETURN key to cancel printing. Refer to Fig. 27.

Fig. 25

Fig. 26

Fig. 27

5.2 Decrease fluid amount

If the quantity of the ATF is more than the standard amount, it is necessary to decrease the fluid amount inside transmission (Lower the fluid level).

1) Enter the menu of Adjust fluid level, select 'Draining', it indicates that the fluid inside transmission is being drained, as shown in Fig. 25.
2) Input the amount to be drained,Press ENTER key, start the engine, and then the unit will drain the set quantity of ATF to used fluid tank.
3) After the adjustment is completed and the unit will prompt to finish. The system will automatically return to the main menu.

6. Empty new fluid tank

1. Be sure that the two hoses marked with "TO TRANSMISSION" are not connected with the vehicle to be maintained.
2. Open the handle valve on the fluid hose marked with "EMPTY", and then place the hose into container.
3. The system will enter into the interface for Empty new tank, and automatically start fluid draining operation, as shown in Fig. 28.
4. The unit will drain fluid until the hose marked with "Empty" has no oil draining or press RETURN key to stop draining operation.

7. Empty used fluid tank

1. Be sure that the two hoses marked with "TO TRANSMISSION" are not connected with the vehicle to be maintained.
2. Open the handle valve on the fluid hose marked with "EMPTY", and then place the hose into container.
3. The system will enter into the interface for Empty used tank, and automatically start fluid draining operation.
4. The unit will drain fluid until the hose marked with "Empty" has no oil draining or press RETURN key to stop draining operation.

Fig. 28

8. System setting

1. Select system setting item in main menu, press ENTER key.
2. In the sub-item of system setting, select the desired setting item. The interface is as shown in Fig. 29.

Fig. 29

8.1 Sensor calibration

1. Select the item for sensor calibration, press ENTER key to enter the sensor calibration menu as shown in Fig. 30.
2. Press ENTER key to select the item for new fluid tank calibration, the interface is as shown in Fig. 31.
3. According to the prompts on the interface, enter the weight value of the weight, and then press ENTER key. The interface is as shown in Fig. 32.
4. Remove the new fluid tank. When the value displayed on the interface is stable, please press ENTER key to save the data. The interface is as shown in Fig. 33.
5. Put the weight on the plate. When the value displayed on the interface is stable, please press ENTER key to continue. The interface is as shown in Fig. 34.
6. When the value displayed on the interface is stable, please press ENTER key again to save the data. The interface is as shown in Fig. 35.
7. Remove the weight, and then place the empty new fluid tank on the plate. When the value displayed on the interface is stable, please press ENTER key to save the data. The sensor calibration for new fluid tank is completed. When filling the new fluid into new tank, the display screen will display the quantity of the fluid.

The calibration way for used fluid tank is the same as that of the new fluid tank.

8. Select "Temperature Sensor" calibration item in Main Menu of [Sensor Calibration], and then press ENTER key to enter, the interface is as shown in Fig. 36.
9. According to the prompts on the interface, enter the current temperature value (Unit: °C), and then press ENTER

Fig. 30

Fig. 31

Fig. 32

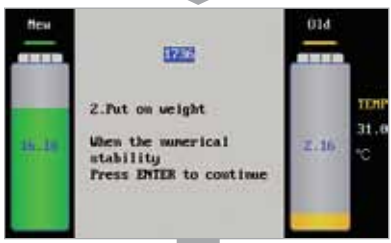

Fig. 33

Fig. 34

key to save the data. The interface is as shown in Fig. 37.

10. When the value is stable, press ENTER key again to finish the temperature sensor calibration.
11. Select "Cleaning Speed" option in the Main Menu of [Sensor Calibration], and then press ENTER key to enter the interface as shown in Fig. 38.
12. According to the prompts on the interface, load a certain amount of detergent to a standard measuring cup, and then press ENTER key to continue. The interface is as shown in Fig. 39.
13. According to the prompts on the interface, enter the amount (such as 0.3ltr) of detergent to be added into the system, and then press ENTER key to start adding. The interface is as shown in Fig. 40.
14. Observe the measuring cup's scale change status, press ENTER key to save the speed value when the detergent amount in the standard measuring cup is decreased by 0.3ltr The Cleaning Speed calibration is finished.

Fig. 35

Fig. 36

Fig. 38

Fig. 37

Fig. 39

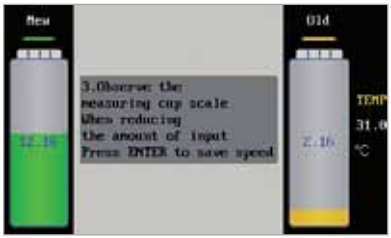

Fig. 40

8.2 Select transmission fluid

This function can choose the type of transmission fluid. There are four types and a kind of other types, if you don't clear transmission fluid species, can choose other. As shown in Fig. 41.

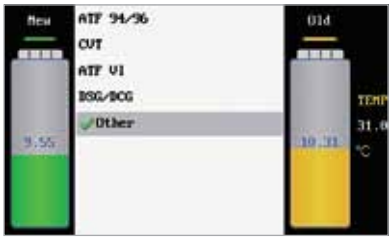

Fig. 41

8.3 Window Light Switch Setting

Select Window Backlight Switch and press ENTER key to enter the setting interface as shown in Fig. 42. Press ENTER key to select on or off.

Fig. 42

8.4 LCD Screen Brightness Adjustment

Select LCD Screen Brightness and press ENTER key to enter the setting interface as shown in Fig. 43. Press [UP]/[DOWN] key to select the desired brightness, and press RETURN key to confirm and return.

Fig. 43

8.5 Date & Time

Select [Date & Time] option on the Main Menu of [System Setting] and then press ENTER key to enter the interface as shown in Fig. 44.

a) Set Date

On the menu of [Date & Time], please select [Set Date] option, and then press ENTER to confirm, the interface is as shown in Fig. 45.

According to the prompts on the interface, enter the date (4 bits for year, 2 bits for month and other 2 bits for date), and then press ENTER key to confirm. The interface prompts "OK".

b) Set Time

On the menu of [Date & Time], please select [Set Time] option, and then press ENTER to confirm, the interface is as shown in Fig. 46.

According to the prompts on the interface, enter the time (2 bits for hour and other 2 bits forminute), and then press ENTER key to confirm. The interface prompts "OK".

c) Select Date Format

On the menu of [Date & Time], please select [Set Date Format] option, and then press ENTER to confirm, the interface is as shown in Fig. 47.

Select the desired date format, and then press ENTER key to confirm.

Fig. 44

Fig. 45

Fig. 46

Fig. 47

8.6 Language setting

Select the language setting and press ENTER key to enter the setting interface as shown in Fig. 48. Press [UP]/[DOWN] key to select the desired language, and then press ENTER key to confirm and return.

Fig. 48

8.7 Database Entry

1. Select [Database Entry] setting option on the Main Menu of [System Setting], and then press ENTER key to enter the interface as shown in Fig. 49.
2. Select [MENU] option, and then press ENTER key to enter the interface as shown in Fig. 50. Press the LIGHT key can switch between uppercase and lowercase letters.
3. According to prompts on the interface, add the menu (such as BMW). The interface is as shown in Fig. 51.
4. Press ENTER key to enter the menu of BMW. The interface is as shown in Fig. 52.
5. Select [BOTTOM NODE] option can add the last layer menu, and then press ENTER key to confirm. The interface is as shown in Fig. 53.
6. Enter the fluid amount (such as 12.000, unit: ltr) to be changed, and then press ENTER key to confirm performing. Press RETURN key to return. Select the menu option to be deleted, and then press DEL key. The interface is as shown in Fig. 54.
7. Press ENTER key executive delete function. Press RETURN key to return to the previous menu directly.

Fig. 49

Fig. 50

Fig. 51

Fig. 52

Fig. 53

Fig. 54

8.8 Print Information

Print information can choose print output content. Not the selected options in printing not print out.As shown in Fig. 55.

Fig. 55

8.9 Device information

Select the device information option and press ENTER key. The device information is displayed as shown in Fig. 56.

Fig. 56

Warning

Warning sound: When there is no fluid in the new tank or the operation is completed, the unit enters the standby state.

Maintenance

- **Pay attention to each connection to check if there is any leakage during fluid exchange. When any leak is found, stop the ATF EVOLUTION immediately and check for the unit. Start to exchange fluid again after reconnection is made.**
- **Before cleaning up the unit, the used fluid should be drained out from the used fluid tank and the new fluid should be drained out from new tank and stored in container after every usage to protect the electronic scale is on the no load state at non-work condition.**
- **Keep the new fluid tank clean.**
- **Please recalibrate the electronic scale after replacing the main-board and/or the electronic scale itself.**

ATF EVOLUTION

Accessories

Main Adapters

No.	ERP Code	Picture	Size	Applicable Car Type
A01	103240173		Ø8, Ø10, Ø5	General type (TOYOTA, MITSUBISHI SPACE WAGON GLXI), LEXUS ES300, HONDA and NISSAN car type
Hose	103240175		Ø8	General type (TOYOTA, MITSUBISHI SPACE WAGON, HONDA and NISSAN GLXI) LEXUS ES300
Hose	103240176		Ø10	
Hose	103240177		Ø12	
A03A	103240178		M16×1.5 (outside)	One group CADILLAC, BMW 750 AT type 4HP-22 4HP-24 A421,MITSUBISHI V6,3000
A03B	103240118		M16×1.5 (inside)	One group CADILLAC, BMW 750 AT type 4HP-22 4HP-24 A42
A05A	103240121		M18×1.5 (outside)	EUROPEAN Eg: New VECTRA, PASSAT
A05B	103240122		M18×1.5 (inside)	EUROPEAN New VECTRA, PASSAT
A06A	103240123		G1/4 (outside)	CHRYSLER GRAND VOYAGER, CHRYSLER 300
A06B	103240124		G1/4	CHRYSLER 13.157mm GRAND VOYAGER, CHRYSLER 300
A07A	103240125		M18×1.5 (outside)	EUROPEAN New VECTRA
A07B	103240126		M18×1.5 (inside)	EUROPEAN New VECTRA
A08A	103240127		UNF1/2-20 (outside)	GENERAL MOTORS LINCOLN, CADILLAC

Main Adapters

No.	ERP Code	Picture	Size	Applicable Car Type
A08B	103240128		UNF1/2-20 (inside)	GENERAL MOTORS LINCOLN, CADILLAC
A10A	103240131		UNF1/2-20 (outside)	FORD, eg: VOLVO, FORD CHRYSLER: DAIMLER-BENZ
A10B	103240132		UNF1/2-20 (inside)	FORD, eg: VOLVO, FORD CHRYSLER: DAIMLER-BENZ
A11A	103240133		Z1/4 *18 13616	FORD, LINCOLN, VOLVO
A11B	103240134		Z1/4	FORD, LINCOLN, VOLVO
A12A	103240135		UNF5/8-18 (outside)	FORD
A12B	103240136		UNF5/8-18 (inside)	FORD CADILLAC
A13A	103240137		UNF5/8-18 (Outside)	GENERAL MOTORS CHRYSLER
A13B	103240138		UNF5/8-18 (Inside)	CHRYSLER GENERAL MOTORS
A14A	103240139		UNF5/8-18 (Outside)	FORD, VOLVO
A14B	103240140		UNF5/8-18 (Inside)	FORD, VOLVO
A15A	103240141		UNF5/8-18 (outside)	CHRYSLER Benxc200,s325i GENERAL MOTORS

Main Adapters

No.	ERP Code	Picture	Size	Applicable Car Type
A15B	103240142		UNF5/8-18 (inside)	CHRYSLER Benxc200,s325i GENERAL MOTORS
A16A	103240143		M18×1.5 (outside)	EUROPEAN
A16B	103240144		M18×1.5 (inside)	EUROPEAN
A17A	103240146		Φ14.85 (outside)	
A17B	103240145		Φ14.95 (inside)	EUROPEAN
A20A	103240151		UNF1/2-20 (outside)	FORD
A20B	103240152		UNF1/2-20 (inside)	FORD
A43	103240156		M12 x 1.5	
A44	103240157		M12	

Warranty

THIS WARANTY IS EXPLICITELY FOR INDIVIDUALS AND SALESSTAFF, WHICH PURCHASE THE ORIGINAL CTP GMBH PRODUCTS VIA BY CTP GMBH APPROVED SALES STRATEGIES.

CTP GmbH guarantees, that this electronic product is free from material and manufacturing faults. This warranty applies from the date of delivery to the customer, for 12 months. This warranty expiries as the equipment as a whole or parts of the equipment are being changed or being alienated for any other purposes, for which they were not designed or if they are being used in a way, which is not consistent with the instruction manual. Already existing damages/deficiencies cannot be cured applying the ATF Evolution. Such damages/deficiencies can only be fixed by repair or exchange. ATF Evolution only serves as a measure of cleaning, care and maintenance. CTP GmbH is not liable for damages or deficiencies which result from incorrect application and for already existing damages/ deficiencies. The cause of damages/deficiencies can only be approved in agreement with methods established by CTP GmbH, for example via an independent expert. No salesman, employer or representative of CTP GmbH is entitled to bind CTP GmbH to confirm, to account or guarantee on parts, except those listed here.

Statement

THE ABOVE MENTIONED WARRANTY REPLACES ALL OTHER WARRANTIES.

Ordering information

Spare parts may only be ordered via a delivery man, that has been authorized by CTP GmbH. Your order should include the following information:

1. Amount
2. Part number
3. Part name

Customer Service

If you are in doubt about using the ATF Evolution, please contact us via our hotline: 080022777634.

If your equipment requires a repair, please send the equipment to the producer, including a copy of your receipt and a short note about the problem. In case this procedure takes place within the warranty, the repair will be free of charge. If the warranty has run out, you will be charged the repair service fees. Please send the prepaid equipment to:

CTP GmbH
Saalfelder Straße 35 h
07338 Leutenberg / Germany

bluechem GROUP

Order hotline:
0800 22777634
feeless in Germany

Order email:
order@ctp.com

Service email:
service@bluechemgroup.com

Technical hotline:
0700 77683201
fee-based - fees according to the local rate

Visit our online shop:
www.autoprofishop.de

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