



**Universal Automatic Machine for the Automatic  
Transmission Fluid Exchange**

**ATF EXTRA FULL AUTOMATIC**

**User's Manual**

**007935110000**

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## IMPORTANT !

We recommend you thoroughly read the instructions provided in this manual before switching on the device.

This will enable you to obtain excellent performance and reliability over time.



Store this manual close to the device for quick reference by operators!

The Manufacturer shall not be liable for failures or other consequences deriving from incorrect procedures on the part of the User.

No part of this manual may be reproduced in any form without prior written consent by the manufacturer. The manufacturer reserves the right to make improvements or changes in its instruments at any time and without prior notice.

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Dear Customer,

Congratulations on your purchase of an **ATF EXTRA**, a new system for washing and replacing automatic transmission fluid.

The safety instructions provided below are guidelines to help you use the System under conditions of maximum safety.

Every device that uses chemical substances is potentially dangerous if the user is not familiar with the operating instructions or if the instructions are not accurate.

This manual is to be considered an integral part of the instrument as it contains general instructions for correct use of the device.

We therefore invite you to carefully read through the instructions before switching on the device, to adequately train operators and to store the manual for future reference. These good practices shall ensure that you obtain from the instrument top performance and reliability over time.

## SAFETY RULES

### **For the device**



Carefully read this manual before using the unit.

Forbid the use of this device to any non-allowed persons.

Do not remove or make illegible tags or danger, obligatory or forbidden signals.

Do not connect the unit to voltage or frequency other than those indicated on the plate.

Use the device only in dry places, sufficiently light and well aired.

Do not expose the device to warm sources.

Do not bump the device.

During transport or handling, ensure that there are no other objects on the instrument to prevent them from falling.

Do not move the device pulling it with the cables connected.

Do not to cling to the cap, of the auxiliary tank, during handling of the device.

Do not wet the device and protect it from any direct contact with the rain.

Do not clean the device with products that may make damages on the plastic box or LCD.

Only qualified staff must do maintenance.

It is avoid the opening of the device by not authorized personals.

Do not repair blown or defective fuses but replace them with fuses having equivalent characteristics.

## WARNING



**If used correctly and in accordance with the instructions provided by the manufacturer, this instrument present no hazard for operators.**

**The manufacturer shall not be liable for failures and other consequences deriving from incorrect operations on the part of operators.**

## SAFETY RULES



### **For the use**

Carefully read this manual before using the unit.

Keep protective wearing and behave properly.

Always wear glasses protection when working on the piping system of the vehicle's transmission, to protect your eyes from violent jets of hot liquid. Do not use common glasses, but only security glasses.

Observe the safety zone during the lifting of the vehicle. Is not admitted the presence of unauthorised persons in the proximity of the operational area when lifting or when the vehicle has already raised.

Always clean up the floor, in the event of a spill of fluid, because it can cause falls.

Use only the supply cables supplied and ensure that the insulation is in good condition.

Do not touch the high-tension cables present into the engine compartment when this is operating.

Stop the vehicle using the parking brake, (if the vehicle is equipped with), insert running idle, (or in case of automatic gear, parking position), and lock the wheels.

Inside the exhaust gas of the vehicles, both diesel and gasoline are present many poisonous substances dangerous for the health. It is necessary to assure a good ventilation of the room and anyway into closed rooms it is obligatory the use of a suction system.

Pay attention to the moving devices on the vehicle. Particularly the electric fans may start even when the vehicle is switched off.

Use proper protections in case the noise emissions are more than the prescription of the law.

Do not smoke, and do not use free flames or sparks sources near to the vehicle.

Protect the face, arms and legs to avoid contact with hot surfaces of the vehicle.

Be careful when you are operating near to the converter.

Do not unscrew the radiator cap while the engine is running or still warm.

Do not let tools near the battery to avoid accidental contacts.

### *SAFETY RULES*



Always obtain the MDS of materials used and follow what it being reported on that.

### **Disposal**

Separate electrical, electronic, plastic and ferrous parts before demolishing the instrument.

Dispose of the material in recycling bins as required by local regulations in force.

### *SAFETY RULES*

## **MAIN FEATURES**

Power Supply:

12 Vdc (Vehicle battery).

Display:

Back lighted LCD, 4 lines x 20 characters, alphanumeric

Printer:

Thermal, 24 columns.

Hardware:

Electronic control board and control microcontroller

Pump:

Maximum Flow = 5,5 litres/min;

Minimum Flow = 4,5 litres/min;

Maximum Pressure = 9 bar

Dimensions:

W = 660 mm, H = 1175 mm, D = 510 mm Weight:

~55 Kg

Operating temperature:

+ 5 ° C □ + 40°C

## *MAIN FEATURES*

### **DESCRIPTION**

Automobile manufacturers continue to offer a vast range of vehicles with automatic transmission. For car dealers and specialised transmission technicians it has become necessary to have a reliable instrument to enable easy, automatic replacement of automatic transmission fluid (ATF EXTRA).

With the help of our **ATF EXTRA**, a single operator is needed to intervene on any of the vehicles with automatic transmission on the market.

The machine features an exclusive electronic control system that lets you replace ATF EXTRA fluid without having to open the completely empty gearbox, regardless of the difference in temperature (and therefore volume) between the fresh fluid (colder) and the used fluid (warmer).

In addition to controlling the operation of the pump of the **ATF EXTRA**, the machine's software monitors the fluid replacement operation, checks whether the quantity contained in the fresh fluid tank is sufficient and whether the recovery tank can receive the used liquid.

The machine is equipped with an easy-to-remove **EXHAUSTED** fluid tank and an accessory case containing connectors and hoses.

## *DESCRIPTION*

### **Machine parts**

**Fig. 2.1**



- |                                |                         |
|--------------------------------|-------------------------|
| 1) Printer                     | 8) Rear wheel           |
| 2) Control panel               | 9) Battery power cables |
| 3) Connection hose             | 10) Hoses handle        |
| 4) Connection hose             | 11) Auxiliary tank      |
| 5) Used fluid tank compartment | 12) Front handle        |
| 6) New fluid tank compartment  | 13) Function led        |
| 7) Front wheel                 | 14) Display             |



## DESCRIPTION

### Control panel

## DESCRIPTION

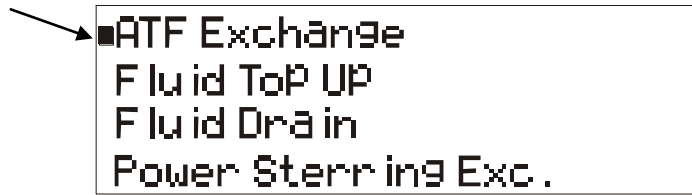
Fig. 2.2



- A. **GREEN “ON PROCESS”** light: normally off; it flashes during cycle performance. - It remains on at end of cycle.
- B. **RED “WARNING”** light: Normally off. It starts flashing in case of alarms due to: - insufficient new fluid – insufficient volume for receiving used fluid in the used fluid tank – absence of required additive in auxiliary tank. Failures or defects.
- C. **STOP/ESC** button: cancels selection or enables option between two possible operations; enables return to **READY** page (*see Paragraph 6.1*)
- D.  Button: decreases selected value (100 ml steps), or enables downward movement of the selection cursor appearing on the display
- E.  Button: increases selected value (100 ml steps), or enables upward movement of the selection cursor appearing on the display.
- F. **OK** button: confirms selection and/or starts the operation.



**SELECTION CURSOR**



**DESCRIPTION**

**DELIVERY, TRANSPORT AND ASSEMBLY**

**Delivery and assembly**

The operator must:

- unload the machine in conformity with the provisions of current workplace safety regulations;



- remove packaging material and dispose of it properly.

Check integrity of components and devices. If needed contact our local authorized dealer immediately.

**Transport**

During transport the following rules must be observed strictly:

apply current workplace safety regulations (especially with respect to overall weight which is approximately

75 kg);

remove any accessory device or other parts that may obstruct movement; if lifting the unit manually, take a firm hold of the system; staff not involved in the handling of the unit must stay clear of the area.



In case of transport on vehicle ensure that the unit is firmly positioned before

proceeding.

## DELIVERY, TRANSPORT AND ASSEMBLY

### PREPARATION

#### Preparing the ATF EXTRA



##### **CAUTION:**

After receiving the ATF EXTRA you need to perform an **FLUID PRIMING** operation (see paragraph 7.5), or drain out test fluid from the unit.

Ensure that the **NEW FLUID** tank contains the quantity of fluid that you need to change. We advise changing two litres more than the quantity indicated as nominal content of “dry” gearbox.

Place the **NEW FLUID** tank in the rear compartment of the ATF EXTRA (**NEW** ↑), as shown in figure

2.2.

Ensure that the volume remaining in the **USED FLUID** tank is sufficient to receive the total quantity of fluid that will be replaced, otherwise the used fluid will overflow from the tank.

Place the **USED FLUID** tank in the rear compartment of the ATF EXTRA (↓ **OLD**), as shown in figure

2.2.

When positioning the ATF EXTRA for any type of process, you should make sure that at least the two **GREEN** and **RED** indicator lights are visible.



##### **CAUTION:**

When filling and emptying the tanks, take care to avoid impact.

Connect the ATF EXTRA to the car battery: the black clamp to the negative pole (-) and the red clamp to the positive pole (+).



**CAUTION:** the unit works only with 12 Volt.

If power supply is not correct, the machine will not turn on.



**CAUTION:**

The regulator positioned on the rear of the machine (Ref.14 , Fig. 2.2) **MUS NOT BE TAMPERED** as it is for the **EXCLUSIVE USE** for **TECHNICAL SERVICE**.



**CAUTION:**

Before proceeding with the **FLUID REPLACEMENT** phase ensure that the type of fluid shown in the fourth line is the same as the fluid in the **NEW FLUID** tank. If you want to change fluid type, you need to read paragraph 7.2 – **FLUID TYPE**.

Check the tank tare, if different from the original tanks supplied.

**IT IS IMPORTANT** that you do not change the original **USED FLUID** tank supplied with another tank; if you need to do so you must first follow the simple procedure described in paragraph 7.4 – **USED FLUID TARE**.

### **Preparing the vehicle**

After positioning the vehicle on the car lift, put car gear on park (**P**).

Check automatic transmission fluid level when possible.

**NOTE:**



**always check level with engine running, taking into account fluid temperature and manufacturer's indications.**

### **Connection to transmission**

Identify and disconnect hose, in the most accessible point, choosing between the connection point on the automatic transmission or the connection point on the radiator, according to accessibility and type of fitting.

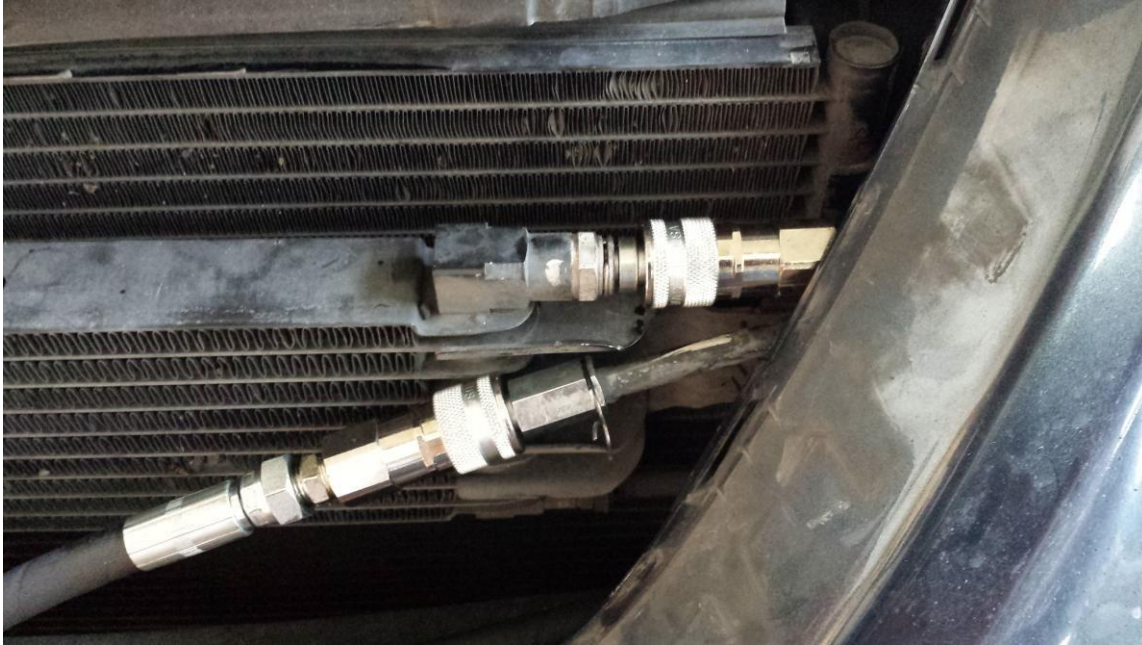
**NOTE**



**It is not necessary to know the direction of flow of the fluid, as the ATF EXTRA will detect it**

**automatically.**

Connect either of the two hoses of the **ATF EXTRA**, using the right fitting, to the transmission side and the other hose of the **ATF EXTRA** to the hose that you have just disconnected.



**CAUTION:** do not subject the machine to bumps and jolts!

Keep stopper screwed on auxiliary tank at all times.

Do not rest your hands or other objects on the auxiliary tank stopper during operation of the ATF EXTRA.

## USE

### READY page

After connecting the **ATF EXTRA** to the vehicle's battery, the display will show Firmware version and serial number of the machine.

The following message will be shown next:

Turn on the engine  
before Proceeding

Start the engine of the vehicle.

Press **OK**.

The display will show the following screen (**READY** page) describing the situation of the machine at the time it is started and at the end of every cycle:

New	15.0 L
Used	3.9 L
Auxiliary	Empty
Generic ATF	30C

- **New:** indicates quantity present in the tank that contains new fluid.
- **Used:** indicates quantity present in the tank that contains used/old fluid.
- **Auxiliary:** indicates quantity of additive/fluid present in the auxiliary tank, which is designed to contain up to 3 litres of additives or fluids

The last line usually reads **ATF EXTRA GENERIC**; in this case the **ATF EXTRA** will assume an average specific weight characteristic of the range of lubricants for automatic transmission.

The degree of approximation of weight/volume calculations is maximum  $\pm 2 \%$ , which makes the **ATF EXTRA** an extremely accurate instrument.

The software can also include in its database the exact specific weights of different fluids. The machines are normally supplied with only a voice: **ATF GENERIC**.

Where the dealer wish to designate on the display a list of oil types of a lubricants brand, it is only necessary give us the symbols and their specific gravities. They will be loaded into the program in our factory. Weight/volume accuracy will have an approximation of  $\pm 0.001 \%$ , equivalent to  $\pm 30$  ml for 30 litres. The software can not include indications of car brands or models.

The last line shows type of fluid used during the operations (*see paragraph 7.2*), and temperature ( $^{\circ}\text{C}$ ) of the fluid in the circuit.

### List of functions

In the **READY** page press **OK** to display the list of functions:

■ATF Exchange  
Fluid Top UP  
Fluid Drain  
Power Steering Exc .

Page 2

Add it ive Load  
Top Off from bottle  
Service ...



Scroll the functions page

up or down using the Press **OK** to confirm the operation selected.

and



buttons.

### ATF EXTRA exchange

#### **CAUTION:**

Before proceeding with the fluid replacement phase ensure that the type of fluid shown in the fourth line is the same as the fluid in the **NEW FLUID** tank.

If you want to change fluid type, read paragraph 7.2 – **FLUID TYPE**.

Check the tank tare, if different from the original tanks supplied.

**IT IS IMPORTANT** that you do not change the original **USED FLUID** tank supplied with the **ATF EXTRA**, with another tank; if you need to do so you must first follow the simple procedure described in paragraph 7.4 – **USED FLUID TARE**



#### IMPORTANT NOTES:

- a) There is NO system, including the **ATF EXTRA** which is unmatched in the service of cleaning and replacing fluid in automatic systems, that can detect how much fluid is really present inside a transmission, or inside the transmission-radiator system.  
Therefore select the quantity of fluid to be replaced at the beginning of the process (dry!), this **WILL NOT** change the actual quantity of fluid already present.



It is important to consider that at the end of operations the transmission will also contain the quantity given by the sum of the volumes of additives. *Example:* Cleaner 300 ml +



Protection additive 250 ml = 550 ml.

- b) As regards the characteristics of viscosity and the specific weight, ATF EXTRA fluids belong to the same family. Therefore they can be mixed and the presence of fluid residues inside the ATF EXTRA (including in connection hoses) will not cause any problem when in the following operation a different type of fluid is used.

In the **READY** page press **OK**.



■ATF Exchange  
Fluid Top UP  
Fluid Drain  
Power Steering Exc.

Press  or  to scroll the list of functions up and down and confirm the selected “**ATF EXTRA Exchange**” operation with **OK**.



ATF Exchange  
Amount : 10.0 L

Enter quantity of fluid to be replaced, using  or  and confirm by pressing **OK**.

The presence of a minimum quantity of new fluid in the tank ensures an immediate response from the **ATF EXTRA** pump, preventing dry operation, which could cause slowdowns or air bubbles. If the tank does not have a sufficient amount of new oil, will appear on the display of an error message.

Please check the  
fluid level

After you check the oil level, in the gearbox of the vehicle, press **OK**.

The following message will be shown next:

Load Final additive  
or Push ESC to skip

If you choose to press **STOP/ESC**, please see **paragraph 6.3.2**.

### **Cleaning additive**

To feed the cleaning additive, unscrew the auxiliary tank stopper, pour the liquid into the tank and after that press **OK**.

#### **CAUTION:**

The quantity of additive or fluid to be poured into the auxiliary tank cannot be entered. The machine will always inject all of the quantity present in the auxiliary tank (from zero do 3 litres).

Immediately after that, the **ATF EXTRA** will continue recirculating the old fluid containing the cleaning additive for ten minutes.

It is extremely important for the operator to be already sitting down in the driver's seat and to shift gear, selecting all of the positions **P – R – N – D – S**, keeping each position for about ten seconds.

This should be carried out throughout the cleaning cycle.

Fluid is too cold  
wait for warmup





**CAUTION:**

Except for top-ups or additive feeding, with every other operation the **ATF EXTRA** will not start unless the fluid temperature has reached at least **40 °C**.

Press **OK**.

	30C
Waiting for fluid to warm up...	

After warming up the **ATF EXTRA** display will show the quantity of additive poured into the auxiliary tank.

Additive	2.0 L
----------	-------

The **ATF EXTRA** will then start the additive feeding cycle.

New	13.5 L
Used	1.0 L
↑ 0.0 L	Set 01
	-- --

The cleaning cycle will then be started and run for 10 minutes.

Circuit Cleaning	
Please wait...	
	00:09

Operation in progress will be confirmed by continuous flashing of the **GREEN** light.

**Replacement cycle**

Below is a description of the operating phase carried out by the **ATF EXTRA** at the end of the cleaning cycle and when the **STOP/ESC** is pressed because no washing additive is added.



### **CAUTION:**

The **ATF EXTRA** will not start the replacement cycle if the temperature of the fluid of the vehicle has not reached at least **40 °C**. Therefore, on the display, you will see the related messages of waiting for the heating of the fluid.

For a short time the **ATF EXTRA** will check the direction of flow of the fluid.

Checking flow...

Please Wait...

If the fluid is not sufficient or if the flow is not normal, the cycle stops; this will be indicated by the **RED – WARNING** light flashing and by the message "**INSUFFICIENT FLUID FLOW**" on the display unit.

If the flow direction check is positive, the cycle for total replacement of used/old fluid with new fluid will start automatically and include the radiator: the new fluid is pumped with the same speed and exact quantity with which the used fluid is drained out, until the preset quantity is reached.

The display will show variations in the content of the two tanks.

New		3.6 L
Used		0.7 L
↓	0.9 L	Set 1.0 L
↑	0.7 L	

When the exchange of the preset quantity is completed, the **GREEN** light will go from flashing to permanently on.

The **ATF EXTRA** will automatically go into "**LOOP**", which means the connection between transmission and radiator is closed and the pump stopped.

### **Protection additive**

At the end of the fluid replacement cycle, the display asks whether protection additive is to be added.

Load Final additive  
or Push ESC to skip

Unscrew the stopper on top of the **ATF EXTRA**, pour the product into the auxiliary tank and after screwing the stopper back on, press **OK**.



**CAUTION:**

The operation must be performed only with the stopper screwed on.

Additive 2.0 L

The protection additive will be injected.

NOTE



The injection of additives always takes into account the exact quantity of fluid contained in the delivery hose, and then the **ATF EXTRA** automatically adds the rest, followed by the quantity of fluid, to ensure that part of the additive does not remain inside the hose.

At the end of the operation the display of the **ATF EXTRA** will show the following message:

Operation  
completed

Once this operation has been completed, the **ATF EXTRA** will automatically go into “**LOOP**”, which means the connection between transmission and radiator is closed and the pump stopped.

If you choose not to add the **Protection** additive, press **STOP/ESC** and the display will show the initial **READY** page.

New	15.0 L
Used	3.9 L
Auxiliary	Empty
Generic ATF	30C

Stop the engine of the vehicle.

Remove the hoses and adaptors from the gearbox and from the radiator.

Connect the original hose back on the gearbox.

Start the engine and check for leaks.

Check the fluid level in the automatic transmission, if needed top up or drain out.

Disconnect the **ATF EXTRA** from the vehicle's battery.

Wipe off any fluid residues from the connectors and tool tray.

Empty out the **USED FLUID** tank, in conformity with regulations on disposal.



### Fluid top-up

This function is used to feed fluid from the **NEW** tank into the gearbox, with engine off or on.

This top-up can be performed in different ways, depending on the type of transmission.

Follow the instructions provided by the vehicle manufacturer for correct level check.



Use specific adaptors for connection between **ATF EXTRA** and transmission system.

From the **READY** page press **OK** to display the following screen, then use the  or  buttons to select the **FLUID TOP-UP** function.

ATF Exchange
■ Fluid Top UP
Fluid Drain
Power Steering Exc.

Press **OK**.

Fluid Top UP  
 Amount : 10.0 L

Enter the quantity of fluid to be topped up, using the  or  buttons, and press



**CAUTION:**



The **NEW FLUID** tank must contain a sufficient quantity of fluid, including an extra two litres. Otherwise, the display of the equipment will show the message: "**INSUFFICIENT NEW FLUID**".

At the end of the operation the display will show the **READY** page again.

**Fluid draining**

The **ATF EXTRA** is connected with the automatic transmission system.



This function is used to drain out excess fluid, in other words “get the right level”, which should always be done when the fluid has reached the temperature indicated by the manufacturer.

From the **READY** page press **OK** to display the following screen, then press   to select **FLUID DRAIN**.

ATF Exchange  
 Fluid Top UP  
 ■ Fluid Drain  
 Power Steering Exc.

Press **OK**.

Fluid Drain  
 Amount : 10.0  
---

Use the  or  buttons to enter the quantity of fluid to be discharged in the **USED FLUID** tank.

Confirm by pressing **OK**.



**CAUTION:**

Check the **USED FLUID** tank to ensure there is enough volume to receive the fluid that is going to be drained out.

**CAUTION:**



The draining phase will not be carried out at temperatures below 40°C. Only in this case the following message will be shown. The ATF EXTRA will automatically perform draining of the

previously selected quantity without any warning as soon as the temperature of 40°C has been reached.

Fluid is too cold  
wait for warmup

Press **OK**.

Waiting for fluid to  
warm up... 30C

This procedure normally follows the performance of the complete fluid replacement cycle, therefore the fluid temperature will in fact always be above 40°C and there will be no need to wait.

New	4.6 L
Used	1.0 L
↓ 0.2 L	Set 0.5

Bear in mind that fluid draining can also be performed with the **ATF EXTRA** completely disconnected by simply removing the stopper on the bottom of the pan, or the “Overflow level”.

At the end of the cycle the **GREEN** light will remain on fixed.

Press **OK**.

The display goes back to **READY** and the **GREEN** light goes off.

## Additive loading

This function is used to feed a protection additive from the auxiliary tank of the **ATF EXTRA** to the vehicle transmission, with engine off or on.

This top-up can be performed in different ways, depending on the type of transmission.



### **CAUTION:**

To execute this operation, inside the tank "NEW FLUID" there must be at least two liters of new fluid. Otherwise, the display of the equipment will show the message: "INSUFFICIENT NEW FLUID".

Use specific adaptors for connection between **ATF EXTRA** and transmission system.

In the **READY** page press **OK** to display the list of available functions.



Scroll up or down using or . and press **OK** the operation selected “**ADDITIVE LOAD**”

```
■Add it ive Load
  ToP Off ffrom bott le
  Service ...
```

The following message will then appear:

```
Put add it ive in
auxiliary tank
```

Load the additive in the tank (if not already spill), and press **OK**.

```
Add it ive          0.3 L
```

New	3.0 L
Used	1.6 L
↑ 0.1 L	Set 0.2 L

If the **OK** button is pressed by mistake without having poured the additive into the auxiliary tank, the following message will appear on the display:

No additive Found  
in auxiliary tank

#### NOTE



In this single operation, after injecting the total quantity of additive, the **ATF EXTRA** will continue by injecting 150 ml more of new fluid, to prevent part of the additive remaining in the delivery hose. This will be added to the total quantity of fluid in the transmission.

At the end of the cycle, the **GREEN** light will remain on fixed.

Press **OK**.

The display goes back to the **READY** page. The **GREEN** light goes off.



#### NOTE

Follow the instructions provided by the vehicle manufacturer for correct level check.

### Top-off from bottle

This function is used when you need to pour into the gearbox, with engine on or off, a minimum quantity of fluid (maximum 5 litres) contained in any kind of container.

This top-up can be performed in different ways, depending on the type of transmission.



Use specific adaptors for connection between **ATF EXTRA** and transmission system.

Place the bottle containing the oil in the rear of the machine (**NEW** ↑), and then insert ourselves suction hose.



From the **READY** page press **OK** to display the following screen.

```
ATF Exchange
Fluid Top UP
■ Fluid Drain
Power Steering Exc.
```

Then press  or  to position the selection cursor ■ next to the TOP OFF FROM BOTTLE function.

```
Additive Load
■ Top Off from bottle
Service ...
```

Press **OK**.

```
Top Off from bottle
Amount:
5.0 L
```

Enter the quantity of fluid to be topped up, using the  or  buttons and press **OK** to confirm.

**CAUTION**

**The maximum top-up quantity is 5 litres.**

**The ATF EXTRA does not check the tare of the container, therefore you should enter a value lower than the value present in the container.**

At the end of the operation the display will show the **READY** page again.

```
New          15.0 L
Used         3.9 L
Auxiliary    Empty
Generic ATF   30C
```

## Print

At the end of every cycle of operations, the ATF EXTRA prints out a docket showing all the data:

```
*****  
  
*****  
  
Generic ATF  
New fluid:      6.4L  
Used fluid:     0.0L  
Aux additives:  0.2L  
Temperature:   40°C  
Service #      3  
Additive load:  0.2L  
Top Off:       0.0L  
Circuit cleaning  
Fluid Exchange: 1.0L  
Temperature:   37°C  
Additive load:  0.2L  
Top Off:       0.0L
```

List of the parameter:

Quantity (litres) of NEW fluid used

Quantity (litres) of USED fluid recovered

Quantity (litres) of additives used

Fluid temperature (°C)

Number of operations

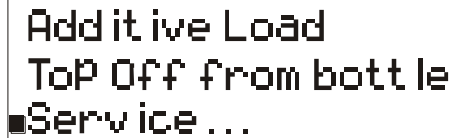
Quantity (litres) of additive fed in

Quantity (litres) of top-up fluid

## SERVICE MENU

In the **READY** page press **OK** to display the list of available functions.

Scroll the list up or down using  or , and press **OK** to confirm the “**SERVICE**” operation selected.



```
Additive Load
Top Off from bottle
■Service ...
```

From the **SERVICE** menu you can select the following functions:

- **Language:** selects operation language.
- **Fluid Type:** used to enter the specific fluid present in the **NEW** fluid tank. There is also a “ATF EXTRA generic” item entered for the average specific weight characteristic of ATF EXTRA fluids (*see paragraph 6.1*).,
- **New fluid tare:** only if you are using a tank other than the original one provided with the **ATF EXTRA**. In this case **it is important to calculate the tare**.
- **Used fluid tare:** only if you are using a tank other than the original one provided with the **ATF EXTRA**. In this case **it is important to calculate the tare**.
- **Machine priming:** initialization cycle to be performed upon delivery, to replace the test fluid inside the **ATF EXTRA** with new fluid. This cycle can be also be used should you need to completely drain out fluid residues from the machine.

### NOTE:

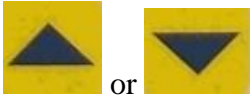


This need should arise in very rare cases thanks to the chemical and physical similarity between

hydraulic fluids.

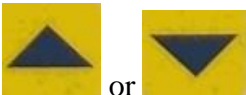
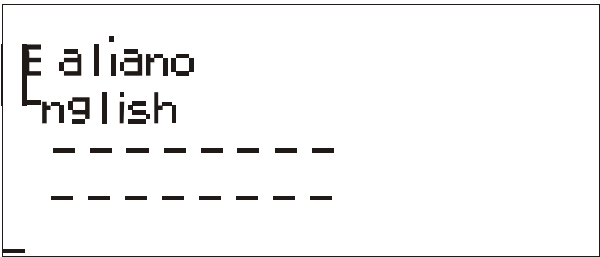
## Language

After you have selected the LANGUAGE function with the



or

buttons, press **OK** to display the languages available.



Select the desired language using the buttons and press **OK** to confirm.

**Fluid Type**



or

After you have selected the **FLUID TYPE** function with the buttons, press **OK** to display the list of fluids.

■ATF DEX II  
ATF III  
ToPTec ATF1100  
ToPTec ATF1200



Select the type of ATF EXTRA fluid using the or buttons and press **OK** to confirm

## SERVICE MENU

### New tank tare

After you have selected the NEW TANK TARE function with the

Language  
Fluid Type  
■New Tank Tare  
Used Tank Tare



or



buttons, press **OK**.

The following message will then appear:

**LOAD EMPTY NEW FLUID TANK FOR CALIBRATION.**

Rest the tank on the **NEW**  balance, in the rear side of the unit.

The following message will be shown next:

New Fluid Tank

Please Wait... 00:09

At the end of the operation the following message is shown: **OPERATION COMPLETED.**

Press **STOP/ESC** .

**Used Tank Tare**

Language  
Fluid Type  
New Tank Tare  
■Used Tank Tare

After selecting the **USED**

or  buttons,

function with the



**TANK TARE**

press **OK**.

The following message will then appear:

**LOAD EMPTY USED FLUID TANK FOR CALIBRATION.**

Rest the tank on the **↓ OLD** balance, in the rear side of the unit, the display will show the following message:



Used Fluid Tank  
  
Please Wait... 00:09

At the end of the operation the following message is shown: **CYCLE COMPLETED**.

Press **STOP/ESC** .

## SERVICE MENU

### Machine Priming

After selecting the **MACHINE PRIMING** function with the  or  buttons, press **OK**:

Load at Least 3.5 L  
of Fresh Fluid and  
couple the hoses

Perform the operations indicated in the message, feeding at least 3.5 litres of new fluid, coupling the connection hoses of the **ATF EXTRA** by means of fitting no.5, included in the Complete Set of Fittings.

Press **OK**.

The **ATF EXTRA** will start drawing fluid from the NEW fluid tank and will discharge the fluid present in the internal circuit into the Used fluid tank.



New	4.8L
Used	0.5L
↑ 0.0L	Set 2.0L

For a few minutes the display will show the quantity of fluid present in the two tanks.

New	3.5L
Used	1.8L
↑ 2.0L	2.0L
Please Wait...	

At the end of the operation the following message is shown: **OPERATION COMPLETED**.

Press **STOP/ESC**.

## MAINTENANCE



**CAUTION:** all maintenance operations must be performed with the machine disconnected from supply and from the vehicle. We recommend you wear personal protection gear and comply with current workplace safety regulations.

To enable correct unit operation and ensure reliability over time, it is very important to follow the indications provided below:

Excessive vibrations can shorten the lifetime of the various components, affect measuring accuracy and invalidate the machine's warranty.

Use the tool tray only to replace the adapter.

Clean the unit's casing with non harsh and non abrasive products such as neutral soap or surface detergents. DO NOT use solvents, they can damage the paint.

Do not leave the unit exposed to sunlight and to the weather. Excessive exposure to sunlight or humidity can cause a malfunction.

The unit should not be used as a trolley to transport other equipment.

If the unit needs to be transported in a vehicle, remove the fluid from the auxiliary tank, the new fluid tank and old fluid tank.

When handling the unit avoid violent bumping.

Periodically check condition of filters and connection hoses.

In case of worn hoses, replace them immediately with new ones to prevent possible problems.

### **Fluid filter maintenance**

After 30 complete transmission fluid change operations, the two filters housed inside the unit should be replaced. The number of fluid change operations performed by the **ATF EXTRA** is printed on the docket.



#### **NOTE**

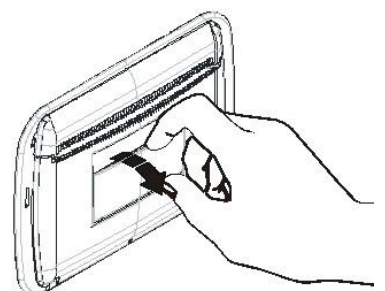
**Use original filters ( 007935110020).**

## **MAINTENANCE**

### **Replacing printer paper**

To change the paper roll, proceed as follows:

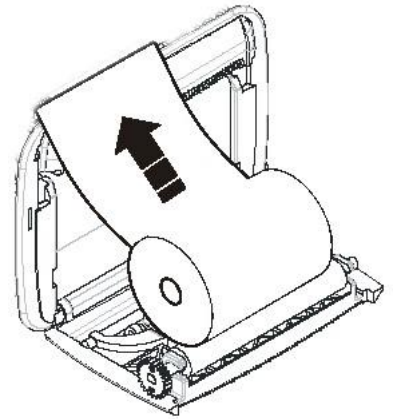
Open the printer panel as shown in figure 1;



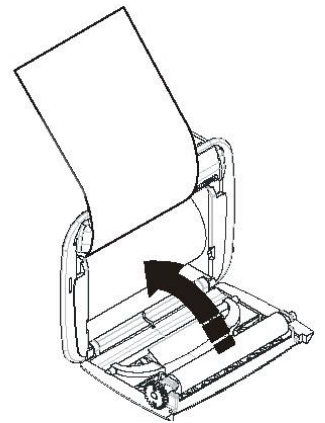


*Figure 1*

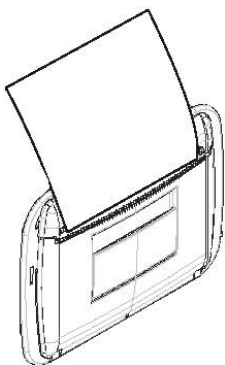
Position the paper roll and ensure that the paper unrolls in the right direction as shown in figure 2;



Pull out some of the *Figure 2* paper as shown in figure 3 and close the panel;




The printer is ready.



*Figure 3*

*MAINTENANCE*

## ACCESSORIES AND SPARE PARTS




Code	Description	
007935110010	<b>KIT FITTINGS BASE</b>  <b>List Reference: 007935110160, 007935110170, 007935110210, 007935110250, 007935110260, 007935110290, 007935110300, 007935110310, 007935110320, 007935110330, 007935110340, 007935110350, 007935110360, 007935110390, 007935110420, 007935110450, 007935110460, 007935110470, 007935110510, 007935110520, 007935110530, 007935110540 and 007935110550.</b>	

### NOTE





Use only original spare parts and accessories; failure to do so invalidates the warranty.


To order the required part please contact the Dealer closest to you.

CODE	VEHICLE	PHOTO
007935110120	MALE FITTING VOLVO (C30-C70-S40-S60-S70-S80-V40-V50-V70)	
007935110130	FEMALE FITTING VOLVO (C30-C70-S40-S60-S70-S80-V40-V50-V70)	
007935110140	PSA GROUP - RENAULT	

007935110150	VW DSG	
007935110160	MALE FITTING GM - FIAT - FORD - JEEP - CHRYSLER - SAAB - MERCEDES	
007935110170	FEMALE FITTING GM - FIAT - FORD - JEEP - CHRYSLER - SAAB - MERCEDES	
007935110180	JEEP - MITSUBISHI - GM - SUZUKI - TOYOTA	
007935110190	MALE FITTING AUDI	
007935110200	FEMALE FITTING AUDI	
007935110210	ALFA ROMEO 159	
007935110220	FITTING LEXUS	

CODICE	VEHICLE	PHOTO
007935110230	BLACK TUBE LEXUS	
007935110240	90° FITTING LEXUS	


007935110250	MALE FITTING BMW - JAGUAR	
007935110260	FEMALE FITTING BMW - JAGUAR	
007935110270	MALE FITTING SAAB	
007935110280	FEMALE FITTING SAAB	
007935110290	MALE FITTING MERCEDES	
007935110300	FEMALE FITTING MERCEDES	
007935110310	MALE FITTING BMW 1 (SERIES 7-Z3)	
007935110320	FEMALE FITTING BMW 1 (SERIES 7-Z3)	
007935110330	MALE FITTING BMW 2 (SERIES 7-Z3)	

CODICE	VEHICLE	PHOTO
007935110340	FEMALE FITTING BMW 2 (SERIES 7-Z3)	

007935110350	MALE FITTING VOLVO (850-940-960)	
007935110360	FEMALE FITTING VOLVO (850-940-960)	
007935110370	ALFA ROMEO 156 JTS	
007935110380	VW AUDI (2x1) before 2000	
007935110390	PEUGEOT 405-407 (2x1)	
007935110400	MALE FITTING VOLVO (XC60-XC70-XC90)	
007935110410	CLAMP VOLVO (XC60-XC70-XC90)	
007935110420	FEMALE FITTING VOLVO (XC60-XC70-XC90) - ALFA ROMEO 156 JTD	
007935110430	MALE FITTING AUDI (100-A4-A5-A6-A8) VW (BEETLE-PASSAT-PHAETON-TIGUAN- TOUAREG)	
007935110440	FEMALE FITTING AUDI (100-A4-A5-A6-A8) VW (BEETLE-PASSAT-PHAETON-TIGUAN- TOUAREG)	

CODICE	VEHICLE	PHOTO
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007935110450	MALE FITTING MERCEDES (except A e B)	
007935110460	FEMALE FITTING MERCEDES (except A e B)	
007935110470	MALE FITTING BMW SERIES 1-LAND-ROVER	
007935110480	FEMALE FITTING BMW SERIES 1-LAND-ROVER	
007935110490	MALE FITTING BMW-JAGUAR	
007935110500	FEMALE FITTING BMW-JAGUAR	
007935110510	1/4 TUBE - ALFA ROMEO 156 1.8 until 2000	
007935110520	5/16 TUBE - ALFA ROMEO 156 1.8 after 2000	
007935110530	3/8 TUBE - ALFA ROMEO 156 1.6 and 166	
007935110540	1/2 TUBE - BMW-CHEVROLET-HONDAHYUNDAI-JAGUAR-JEEP-KIA-LAND ROVER-LEXUS-MITSUBISHI- OPEL- ROVER-SUZUKI-TOYOTA	

007935110550	3/4 TUBE - HONDA-HYUNDAI-KIA-LEXUS	
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<b>CODICE</b>	<b>VEHICLE</b>	<b>PHOTO</b>
007935110560	90° FITTING - ALFA ROMEO 156 1.6 and 166	
007935110570	NISSAN - DAIHATSU - SUZUKI	
007935110580	AISIN TRANSMISSION FIAT -LANCIA - FORD	
007935110110	ADAPTER for MMTC-TE 100 (2x1)	

<b>Code</b>	<b>Spare Parts ATF EXTRA</b>
007935110020	FILTER 10 MICRON
007935110030	LOAD CELL 60 Kg WIRED
007935110040	3-WAY SOLENOID 12V DC TYPE A
007935110050	3-WAY SOLENOID 12V DC TYPE O
007935110060	ELECTRONIC CARD ATF 2
007935110070	OIL PUMP 12 V DC
007935110080	PRINTER RS232 5V
007935110090	COMPLETE KIT TANK LEVEL SENSOR
007935110100	ONE WAY DIRECTION VALVE 1/4G

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