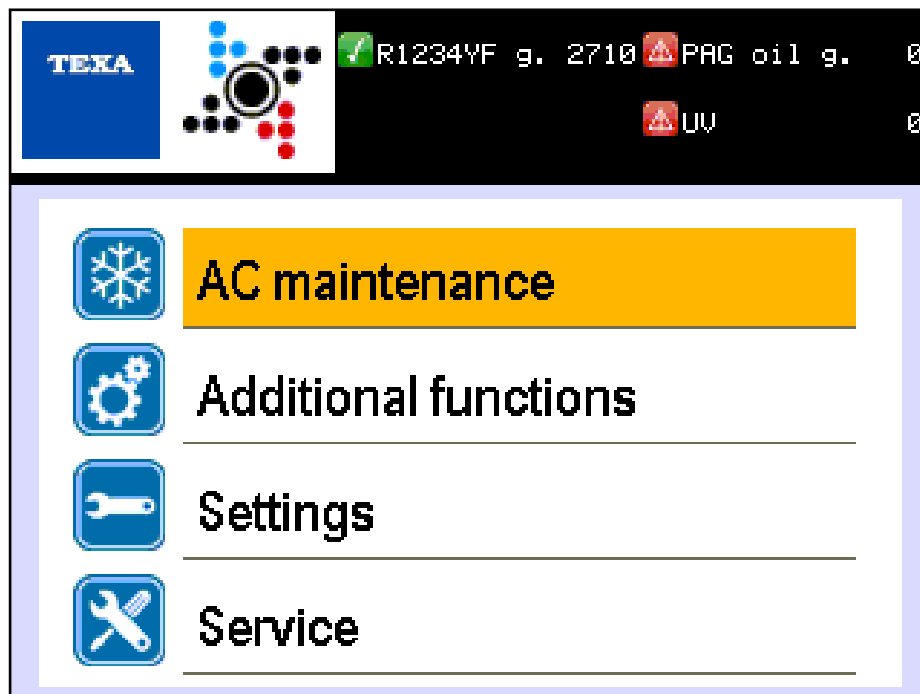
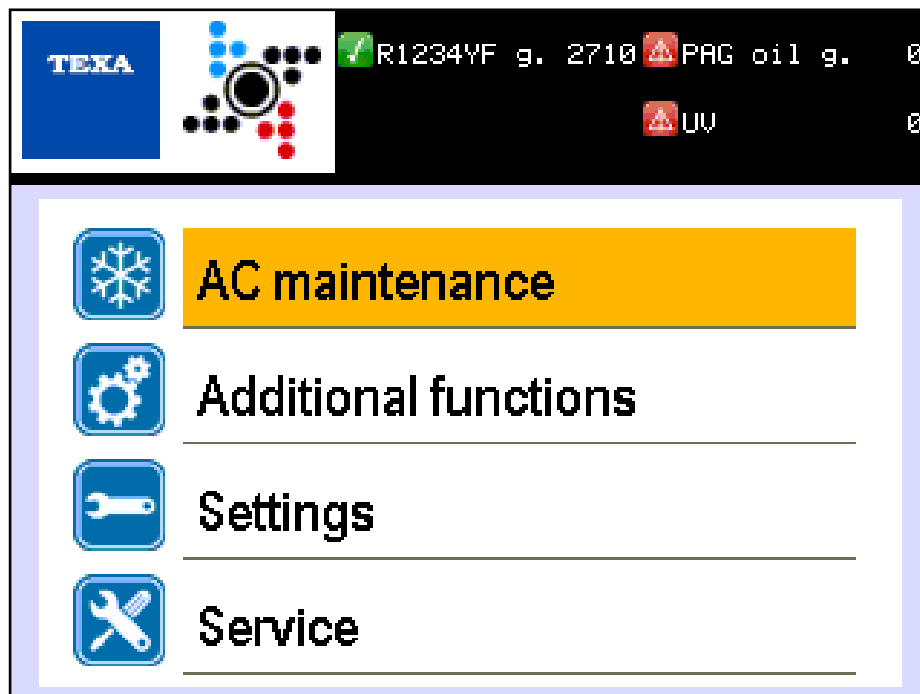


KONFORT 700R SERIES



TEXA

KONFORT 700R SERIES



TEXA

ENGLISH.....5

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REVIEW OF THE MANUAL

This document is **review 10** of the **operating manual for the KONFORT Series 700R charging stations**.

Issue date: 18/03/2019

INTRODUCTION

Dear Customer,

We would like to thank you for choosing a TEXA product for your workshop.

We are certain that you will get the greatest satisfaction from it and receive a great deal of help in your work.

Please read through the instructions in this manual carefully and keep it for future reference.

Reading and understanding the following manual will help you to avoid damage or personal injury caused by improper use of the product to which it refers.

TEXA S.p.A reserves the right to make any changes deemed necessary to improve the manual for any technical or marketing requirement; the company may do so at any time without prior notice.

This product is intended for use by technicians specialised in the automotive field only. Reading and understanding the information in this manual cannot replace adequate specialised training in this field.

The sole purpose of the manual is to illustrate the operation of the product sold. It is not intended to offer technical training of any kind and technicians will therefore carry out any action under their own responsibility and will be accountable for any damage or personal injury caused by negligence, carelessness, or inexperience, regardless of the fact that a TEXA S.p.A. tool was used for the actions based on the information within this manual.

Any additions to this manual, useful in describing the new versions of the program and new functions associated to it, may be sent to you through our TEXA technical bulletin service.

This manual should be considered an integral part of the product to which it refers. In the case it is resold the original buyer is therefore required to forward the manual to the new owner.












Reproduction, whole or in part, of this manual in any form whatsoever without written authorization from the producer is strictly forbidden.

The original manual was written in Italian, every other language is a translation of the original manual.

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1 LEGEND OF THE SYMBOLS USED

The symbols used in the manual are described in this chapter.

	Asphyxiation Risk
	Explosion Risk
	High Voltage Hazard
	Fire / Burn risk
	Poisoning Hazard
	Corrosive Substances Risk
	Noise Hazard
	Moving Parts Risk
	Crushing Risk
	General Risk
	Important information

2 USING THE SOFTWARE

The software used by the charging stations **KONFORT Series 700R** is the same for all the models of the series.













The pictures shown in this manual are only examples and refer to the screens shown in the models:

- 760R
- 760R BUS
- 780R BI-GAS

The indications are also valid for the charging stations:

- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 712R
- 720R

Possible specific functions for a specific model are evidenced in the text.

Button		Name	Function
		ENTER	It allows confirming the selection made.
		DELETE	It allows deleting data that has been entered.
		STOP/BACK/CANCEL	It allows instantly interrupting the phase in progress or returning to the previous menu.
		INFO	It allows displaying specific additional information regarding the menu selected.
		UP/DOWN ARROWS	They allow scrolling through the menu items.
		NUMERIC KEYPAD	These buttons allow entering the alphanumeric values required for the recharging operations and data related to the customer and company.

The software provides on-screen indications required in order to carry out the various operations and warns if errors occur during the phases.



In order to complete the various operations successfully, you must carefully follow the software indications and read and understand the Technical Manual.

NOTE:

In order to simplify the instructions, from here on only the buttons on dashboard of the following charging stations will be used as examples:

- 710R
- 710L
- 712R
- 720R
- 760R
- 760R BUS
- 780R BI-GAS



The function of the corresponding buttons on the following dashboards is identical:


- 705R
- 705R OFF ROAD
- 707R


2.1 Navigation between the Menus and Selection of the Functions

In order to navigate between the software menus and start the functions you must use the keys on the equipment's control panel.

Proceed as follows:

Press   to select the desired item.

Press  to confirm the selection.


Press  to cancel the selection and/or return to the previous menu.


2.2 Data Input

Some software functions require inputting the data manually (numeric values, names, etc.).

Proceed as follows:

Use the alphanumeric keypad to enter the data in the specific fields.

Press  to confirm the data entered and go to the following screen.

Press  to delete the entered data.

2.3 Password

Certain functions are protected by passwords with different levels of protection.

The **password** reserved for the operator is **1236**.

The functions that cannot be accessed with this password are for technical assistance personnel or retailers only.

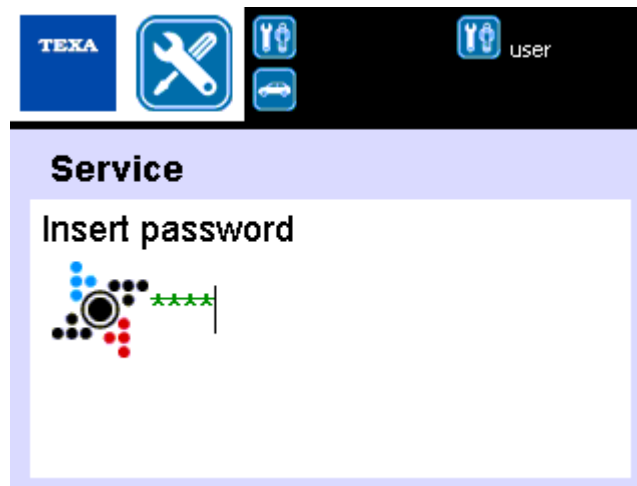
Proceed as follows:

1. Select the desired function.

2. Press  .

3. Enter the password.

4. Press  .



Now you can access the desired function.

2.4 Performing Guided Procedures

Some software functions have a guided procedure.

The software guides the operator through the procedure through specific on-screen messages.

Some messages provide precise indication regarding the operations that must be carried out.




In order to complete the various operations successfully, you must carefully follow the software indications and read and understand the Technical Manual.

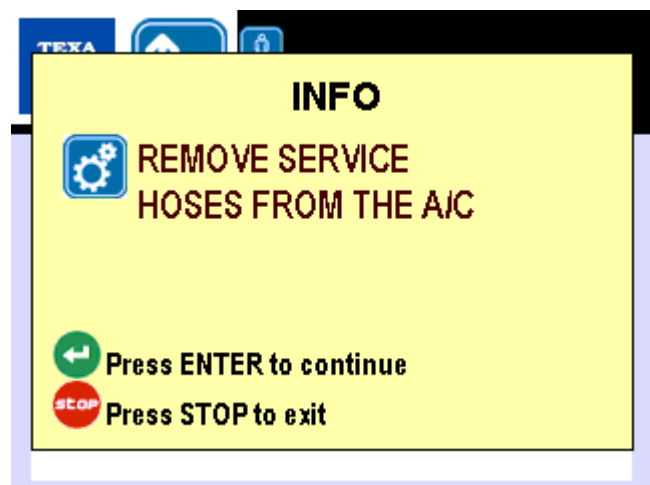
Some messages indicate which buttons must be pressed to proceed with the procedure.

Proceed as follows:

Carry out the operations indicated on screen

Press  to continue.

Press  to cancel the procedure in progress.




2.5 Error Notifications

The software indicates possible errors through specific on-screen messages.

Some messages indicate which buttons must be pressed to proceed with the procedure.


The error messages shown during the execution of a recharging service require to select whether to continue the current phase or not.

Proceed as follows:

Press  to continue with the phase in progress.

Press  to interrupt the current phase.



In some cases pressing the button  allows repeating the operation that generated the error.

3 MAIN MENU

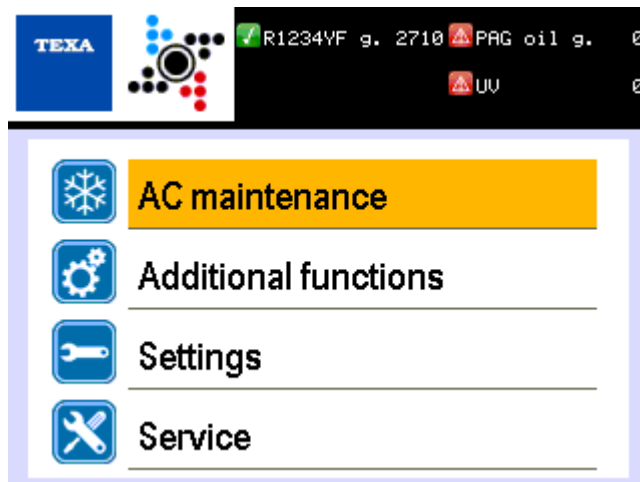
When the equipment is started, the desktop screen is displayed.

Press any key.



The main menu will appear.
Select the desired menu.





Press .



In the upper part you can find:

- Type of refrigerant and related quantity expressed in grams,
- Type of oil and related quantity expressed in grams,
- Amount of UV dye expressed in grams.

The bottom part allows to access the following menus:

Icon	Name	Function
	AC maintenance	It allows to access the service functions of the vehicle A/C system.
	Additional Functions	It allows to access the additional functions of the equipment (e.g. tank filling, counters check, etc.).
	Settings	It allows to access the setting functions (e.g. date and time, language, etc.).
	Service	It allows to access the equipment service functions.

4 A/C MAINTENANCE

This menu allows accessing the vehicle A/C system maintenance functions.

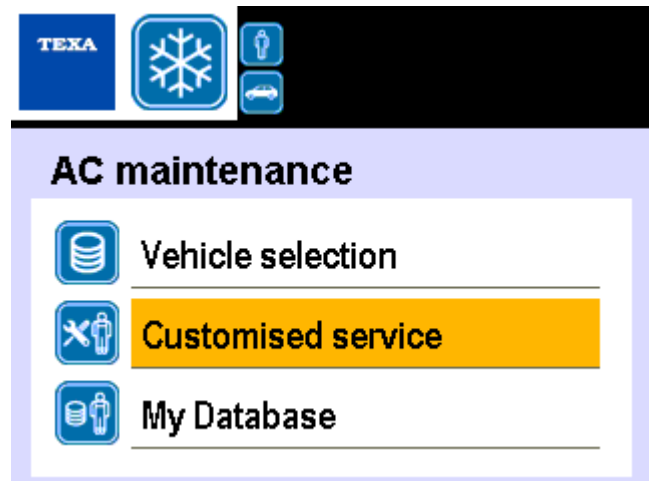





The software products cannot be developed to work without any margin of error with respect to all the possible applications and uses; furthermore, the updated software versions could introduce imprecisions that were not in the previous version. The licensee accepts this possibility.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Vehicle Selection	It allows selecting from the database the vehicle that will be worked on and start the standard service procedure.
	Customised Service	It allows selecting the single service phases by setting the related values.
	My Database	It allows you to create a database with customised services.

4.1 Vehicle Selection

This function allows selecting from the database the vehicle that will be worked on and start the standard service procedure.

The A/C system is recharged based on the data included in the database.

The use of the database is bound to the correct identification of the vehicle and type of A/C system to be serviced.



The data reported is related to the original A/C systems (original equipment) and not to the A/C systems installed afterwards (after-sales).

Refer to the technical data provided by the manufacturer for the non-original A/C systems.

NOTE

Before using the database it must be unlocked by entering a specific countercode.

The unlocking is necessary when you first start the equipment or after updating the database.

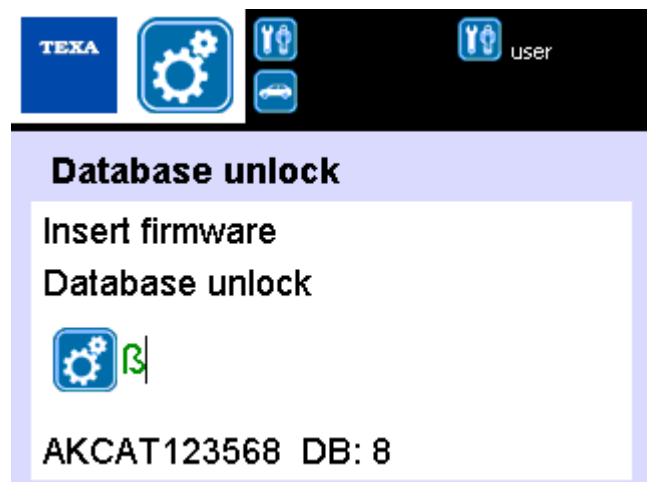
Proceed as follows:

Give your retailer the serial number of the equipment and the version of the database.

The serial number of the equipment and the version of the database are indicated in the bottom part of the screen.






Enter the countercode.

Press .




The database is unlocked.

The different phases of the A/C system recharging service are indicated by specific icons:

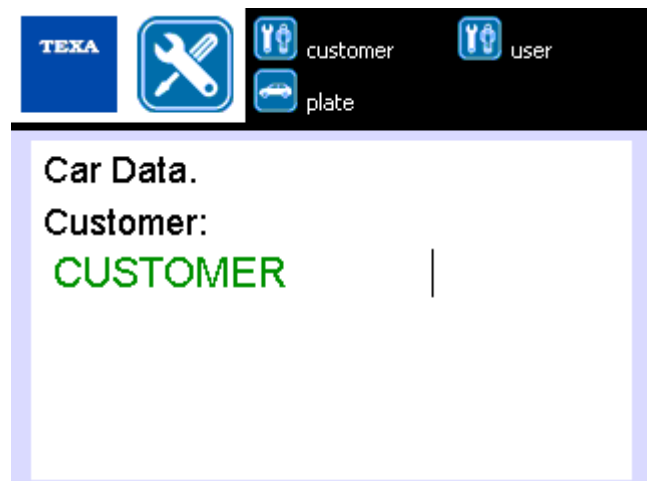
Icon	Phase
	Recycling
	Vacuum
	Oil Injection
	UV Tracer Injection
	Refrigerant Charge

These phases are also signalled by the LEDs located on the control panel.
For further information, see the Technical Manual.

The phases can be skipped by pressing the button .
Proceed as follows:

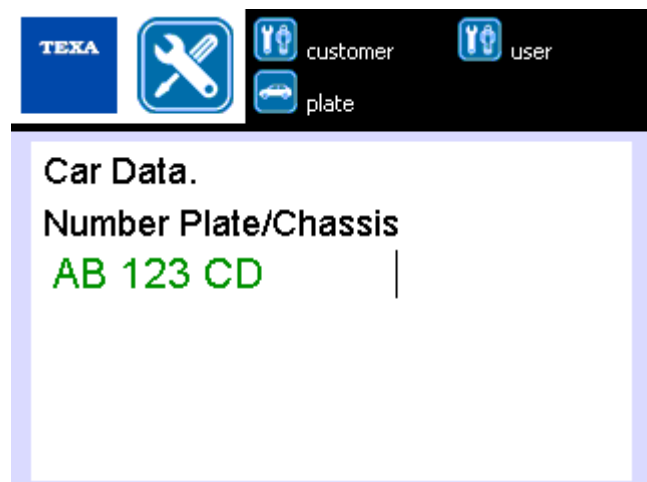
Enter the required data.

Press .



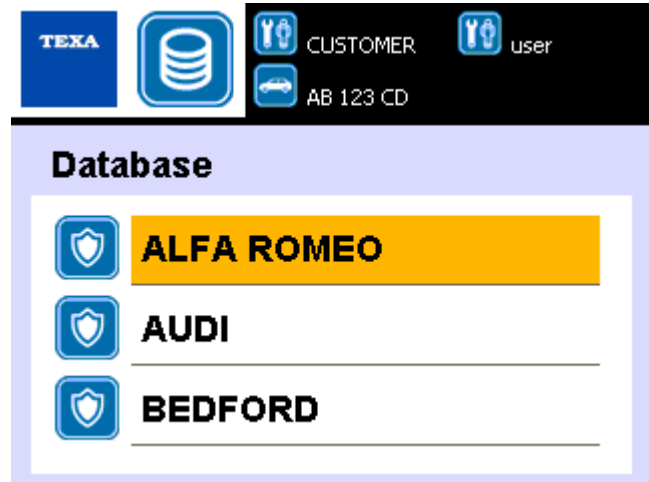
Enter the required data.

Press .



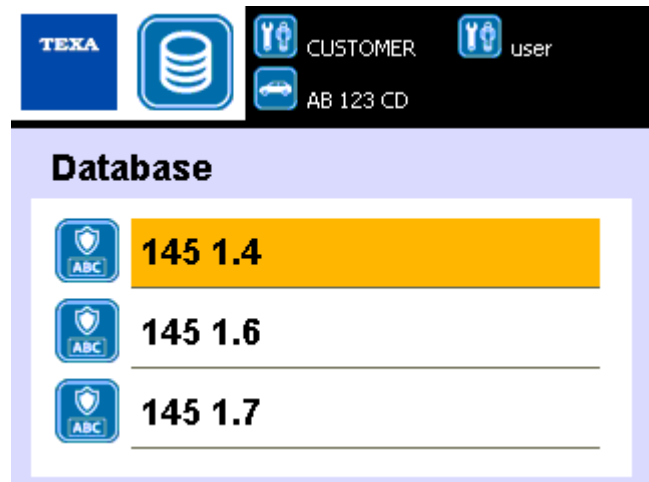
Select the make.

Press .



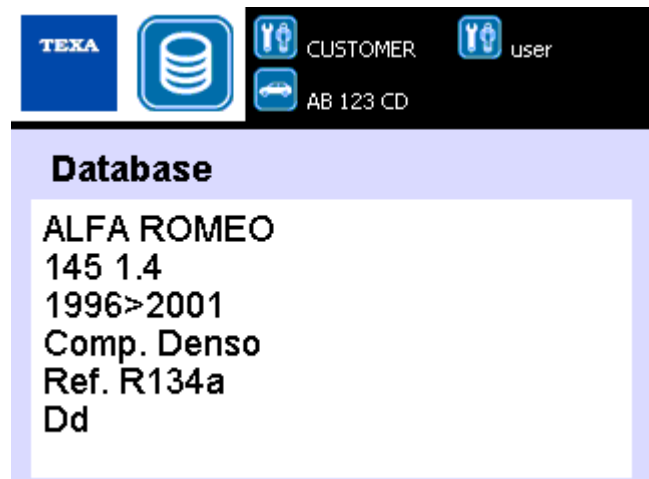
Select the model.


Press .



The selected vehicle is displayed.

Press .



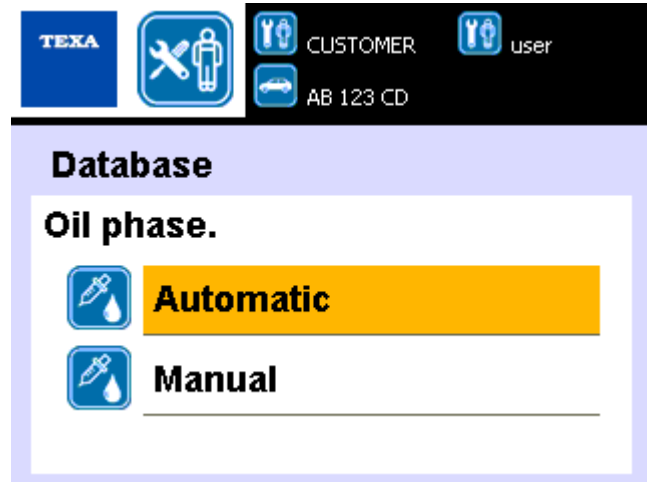
By pressing  the additional information related to the selection made is displayed.

The A/C system recharging service must be planned.

The operator must indicate which phases must be carried out, how to perform them, the amount of oil and UV tracer, the couplers to use.

Select the mode with which you want to carry out the **OIL INJECTION** phase.

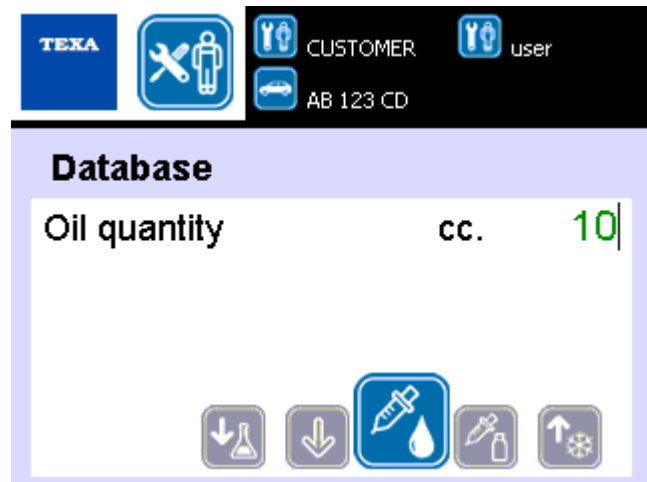
Press .



Automatic	The equipment determines the volume of oil to inject by adding the amount of oil recovered during the RECYCLING phase and a possible integration volume. The OIL INJECTION phase starts automatically at the end of the VACUUM phase.
Manual	The operator must set the amount of oil to inject after the execution of the VACUUM phase. The OIL INJECTION phase starts only after the operator has set the volume to inject.

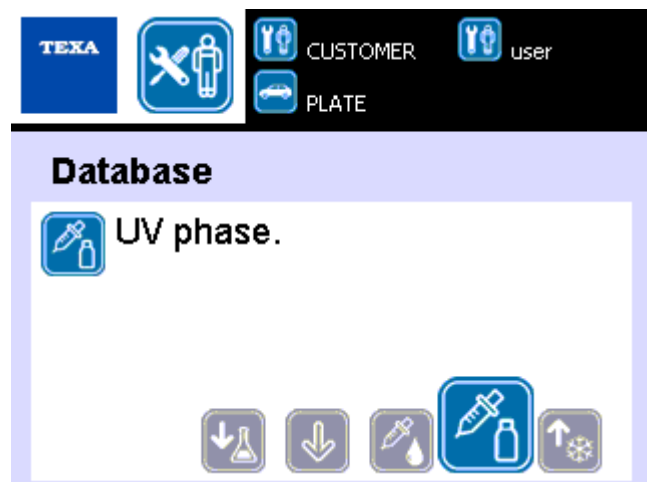
Enter the required data.

Press .



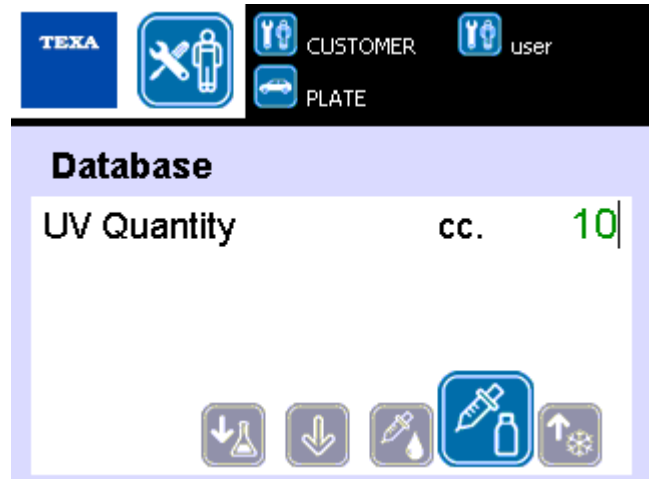
It is possible to specify the amount of UV tracer to add.

Press .



Enter the required data.

Press .



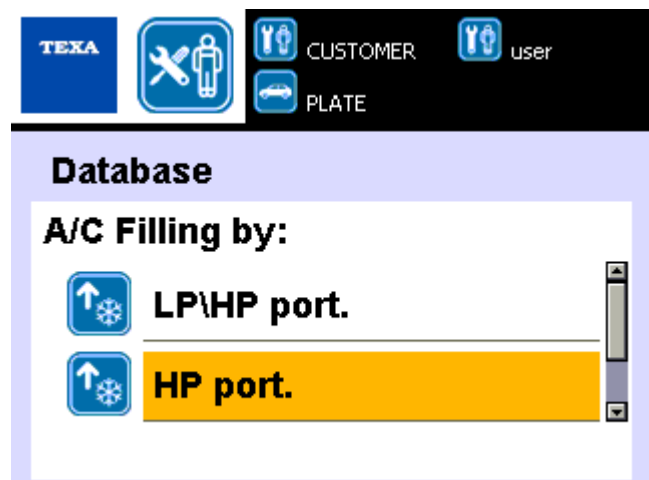
The charging stations 780R BI-GAS may require to recover the refrigerant before connecting the fittings.

You must select the fittings that will be used for the refill.

- **LP/HP couplers:** *the A/C system is recharged through both LP/HP couplers.*
- **HP coupler:** *the A/C system is recharged through the HP coupler only.*
- **LP coupler:** *the A/C system is recharged through the LP coupler only.*

Select the couplers.

Press .



The A/C system recharging starts.

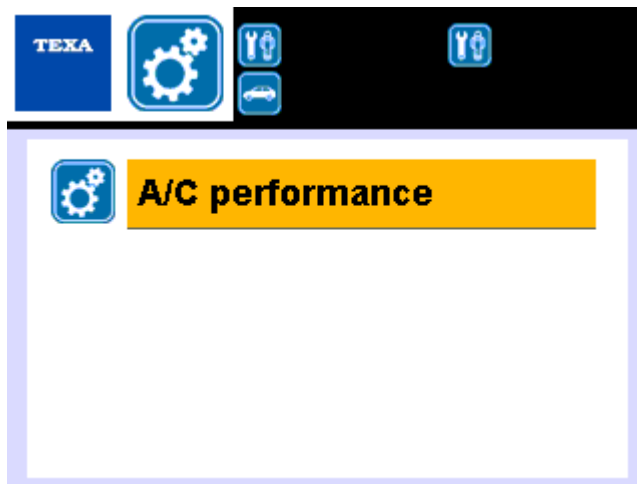
All the phases will be carried out automatically.


The software displays any operation that must be carried out by the operator.

Follow the instructions that appear on screen.

At the end of the charging service, the A/C system check may be carried out.

Press  .



Icon	Name	Function
	A/C verification	It allows launching the A/C system check procedure. *

(*). Refer to the chapter: "System Check".

Follow the instructions that appear on screen.

Select the desired function.

Press  .



4.2 Customised Service

This function allows selecting the single service phases by setting the related values.






The A/C system is recharged based on the data set by the operator.

The system recharging procedure is similar to the one described in the previous chapter.


For each phase suggested, you must:

1. Press  to confirm the execution of the current phase or press  to skip the current phase and pass on to the next one.
2. Enter the required data.

Remember that:

Icon	Phase	Execution
	Recycling	It can be carried out or not.
	Vacuum	It can be carried out or not.
	Oil Injection	<ul style="list-style-type: none"> • It can be selected only if you have chosen to carry out the VACUUM phase. • If you have chosen to carry out the RECOVERY phase, you must choose whether to carry it out automatically or manually. • If you have chosen not to carry out the RECOVERY phase, it is carried out automatically. • It forces you to carry out the RECHARGING phase.
	UV Tracer Injection	<ul style="list-style-type: none"> • It can be selected only if you have chosen to carry out the VACUUM phase. • It forces you to carry out the RECHARGING phase.
	Refrigerant Charge	It can be carried out or not.

In order to plan a cycle with the customised service, it is necessary to specify the time, mode and quantity for each of the steps you will want to carry out.

At the end of the programming, press  to start the cycle.

4.2.1 Selecting the Refrigerant



This function is available for the 780R BI-GAS charging stations only.

During this phase, you must select the **type of refrigerant** to use.

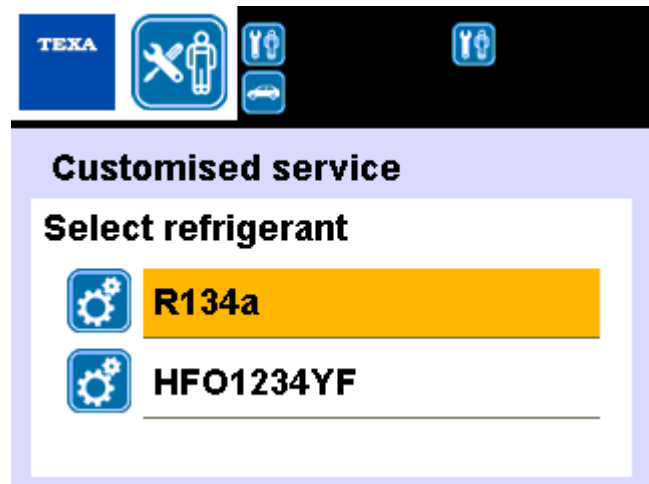




Always select only the refrigerant used in the vehicle's A/C system.

Proceed as follows:

Select the type of refrigerant that must be used.

Press .



Icon	Name	Function
	R134a	It allows selecting the R134a refrigerant for recharging the A/C system.
	R1234yf	It allows selecting the R1234yf refrigerant for recharging the A/C system.

4.2.2 Recycling

This phase can be carried out or not.

During this phase, the presence of residual pressure in the A/C system is verified.



The RECYCLING phase is repeated automatically if a pressure above a preset threshold level is detected.

Before the **recycling phase**, the refrigerant inside the vehicle is identified.

The identification of the refrigerant allows verifying that it is not contaminated and that it is compatible with the one the charging station was intended for.

The identification of the refrigerant takes place only if the specific refrigerant identifier (optional) is installed.

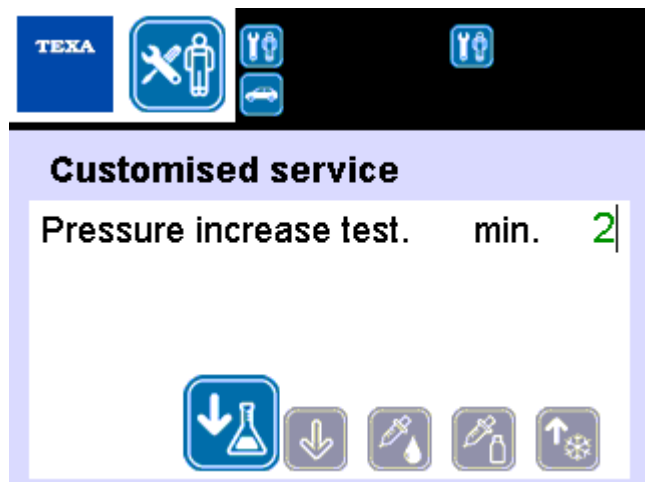
The values which must be specified for the current phase are indicated below.

DATA	DESCRIPTION	VALUE
System residual pressure check	Duration of check for refrigerant residues in the system.	1 ÷ 15 min.

Proceed as follows:

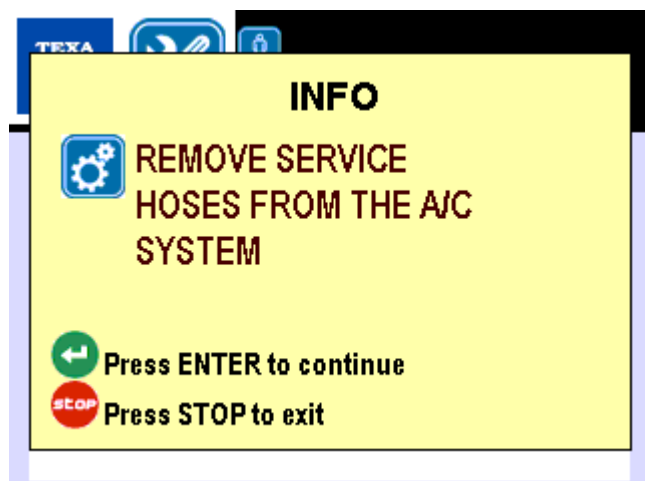
Enter the required data.

Press .



1. Disconnect the service hoses from the A/C system.

Press .



2. Connect the service hoses to the charging station.

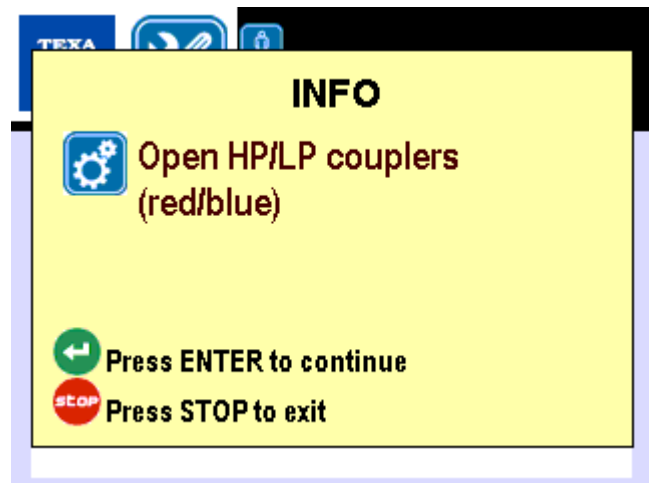
Press .



A cleaning follows, through the caps on the charging station.

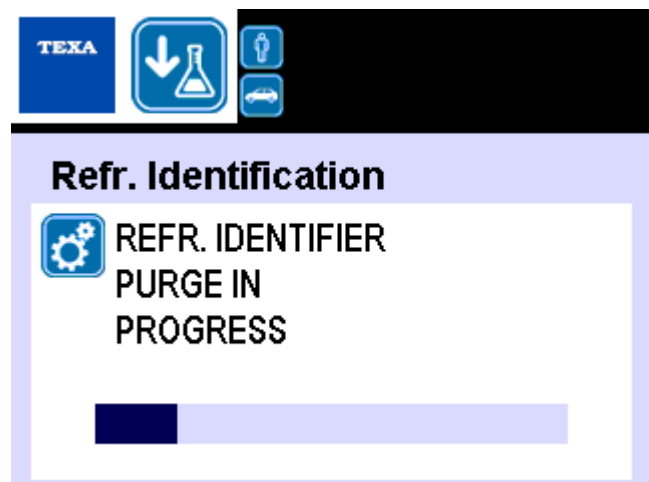
3. Open the LP/HP valves.

Press .



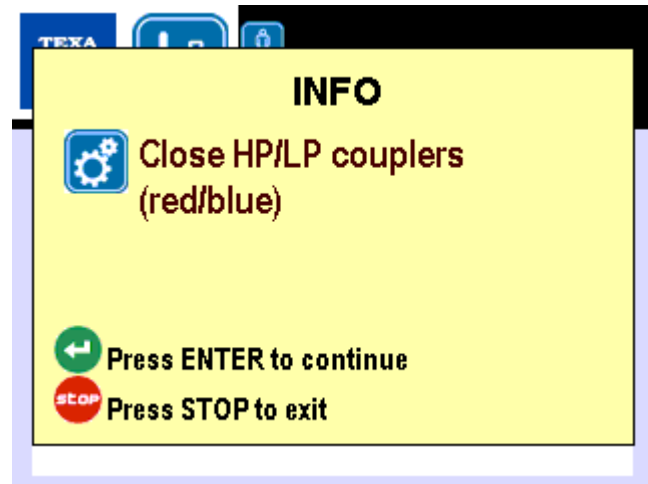
4. The identifier is washed.

Press .

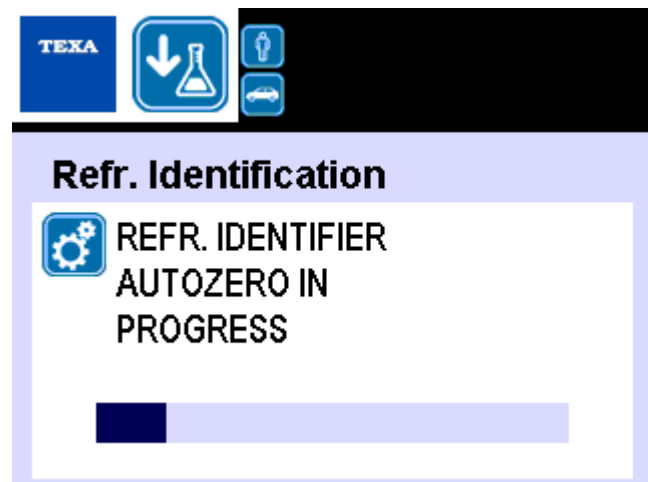


5. Close the LP/HP valves.

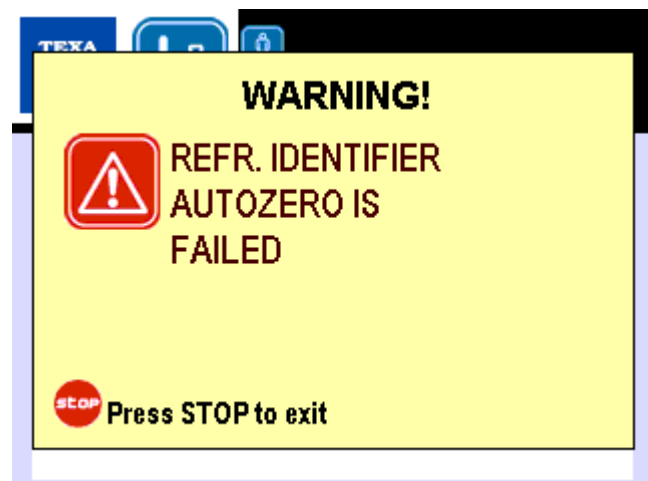
Press .



The charging station performs an auto-zero.



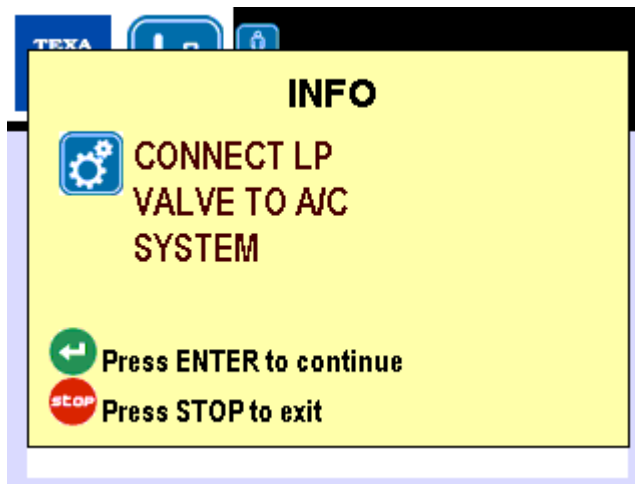
If the **result is negative**, the auto-zero can be repeated only a certain number of times.



If the result is positive, the refrigerant identification procedure proceeds.

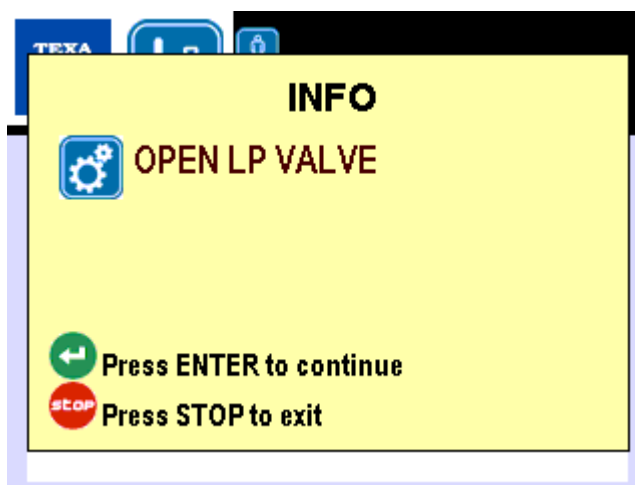
6. Connect the LP hose to the vehicle's A/C system.

Press .

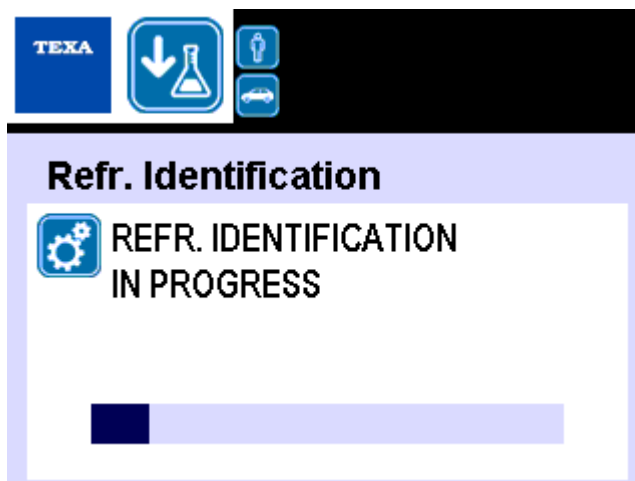


7. Open the **LP** valve.

Press .



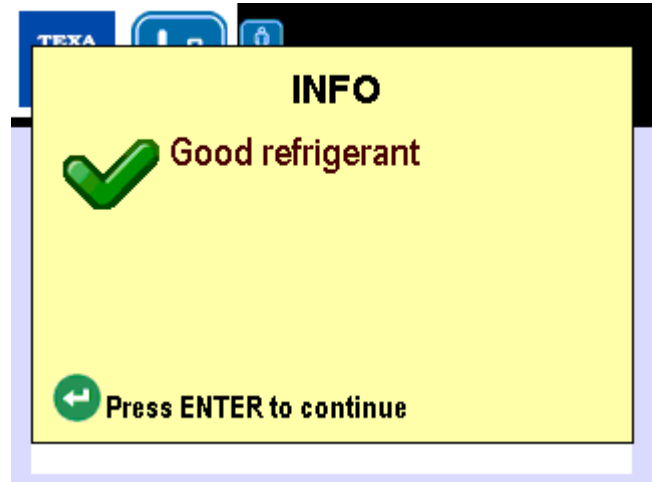
8. The charging station carries out the refrigerant identification procedure.



POSITIVE RESULT

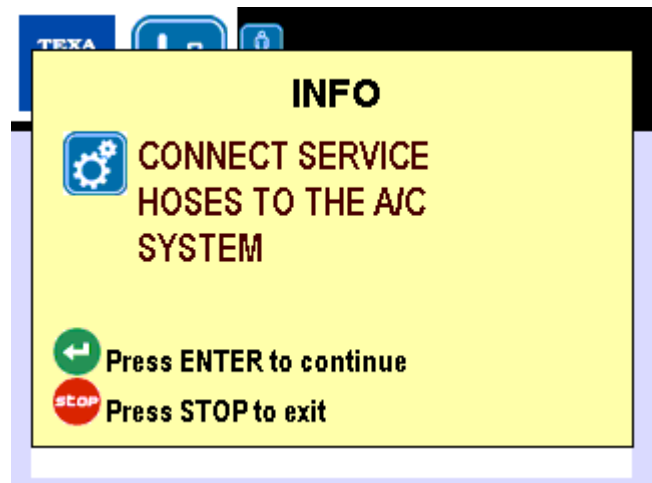
If the **result is positive** you may proceed with the selected phase.

Press .



9. Connect the LP/HP service hoses to the vehicle's A/C system.


Press .




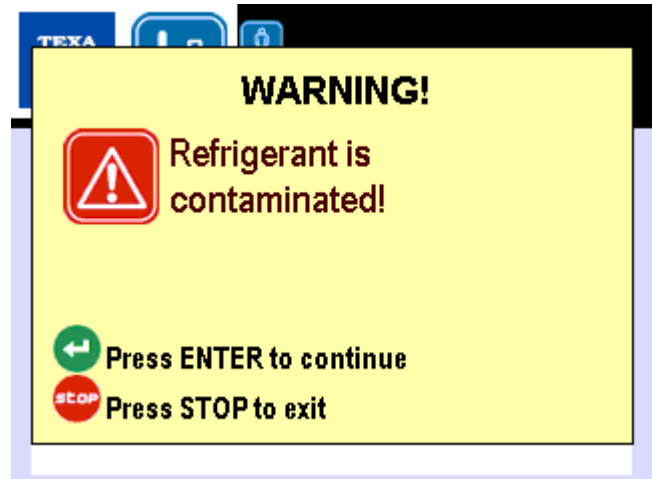
The recycling is carried out.

NEGATIVE RESULT

If the **result is negative**, the identification procedure can be repeated up to 2 times.

10. Press  to repeat.
The second attempt is automatically followed by a refrigerant identifier check.

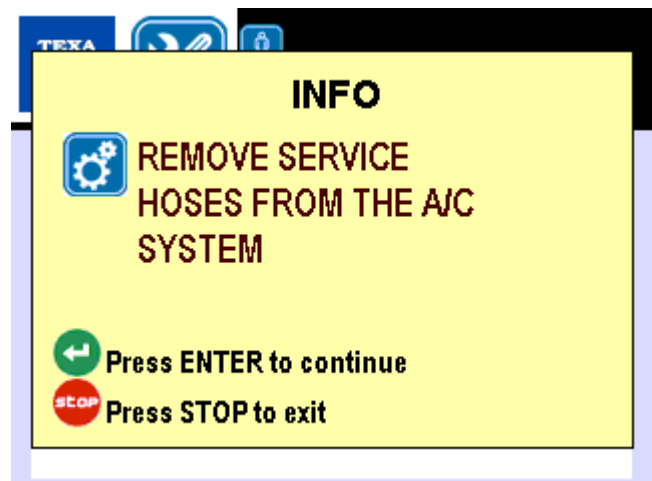
By pressing , the refrigerant identifier check starts immediately.



Before repeating the identification procedure, you must wash the identifier by proceeding as follows.

11. Disconnect the service hoses from the A/C system.

Press .



12. Connect the service hoses to the charging station.

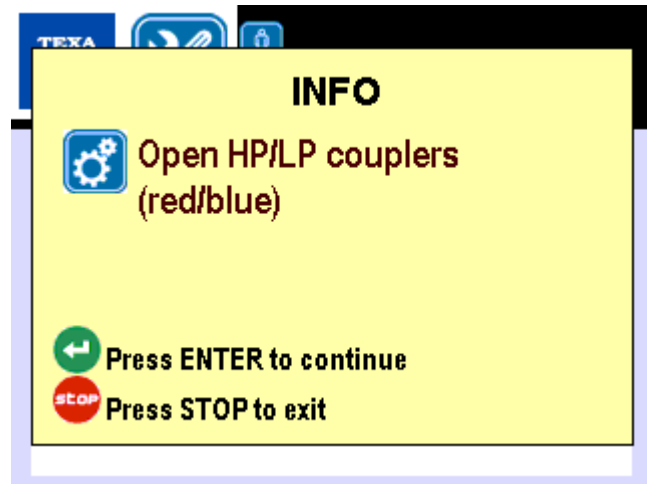
Press .

A cleaning follows, through the caps on the charging station.

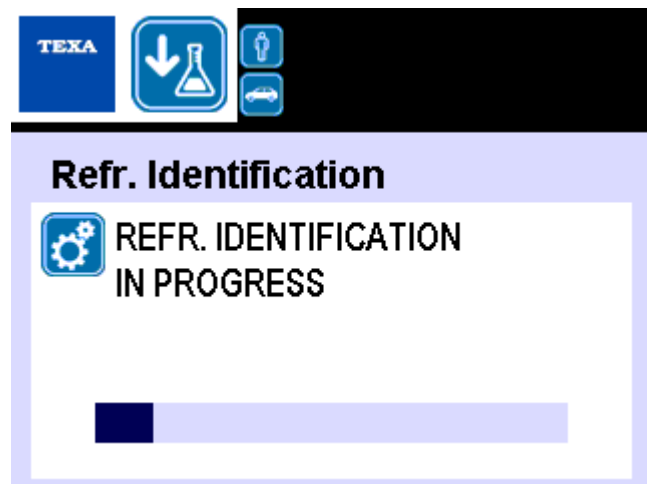


13. Open the LP/HP valves.


Press .



The identifier cleaning procedure starts automatically after the valves are opened.



14. Repeat the operations described from step 1 to step 5.

After 3 negative results or interrupting the continued measurements through , the precision and exactness of the refrigerant identifier are checked by identifying the refrigerant contained in an original refrigerant gas vessel.

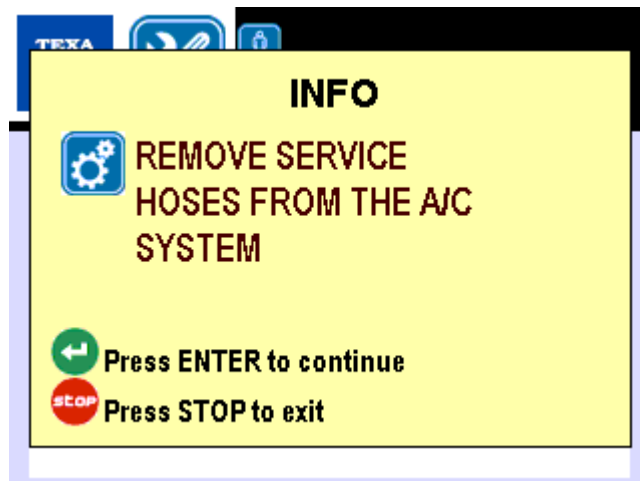
INFO:



Keep an original refrigerant gas vessel always available!

15. Disconnect the service hoses from the A/C system.

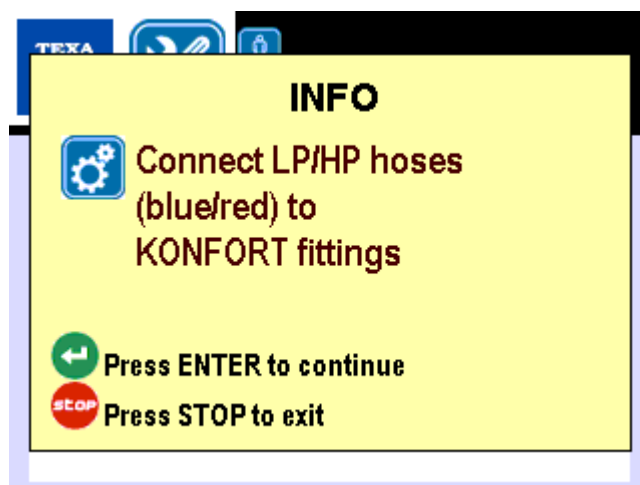
Press .



16. Connect the service hoses to the charging station.

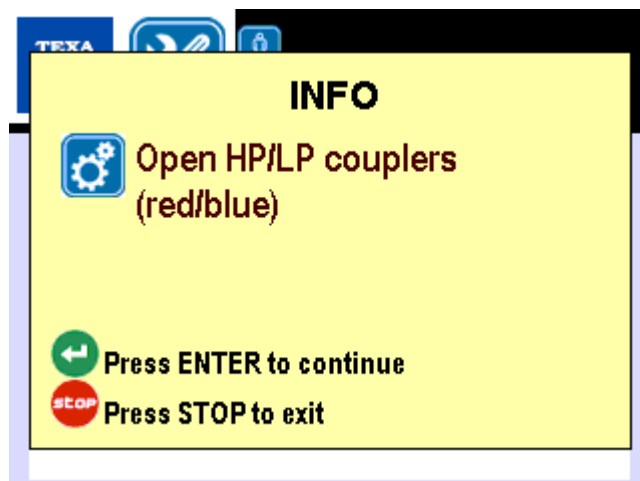
Press .

A cleaning follows, through the caps on the charging station.

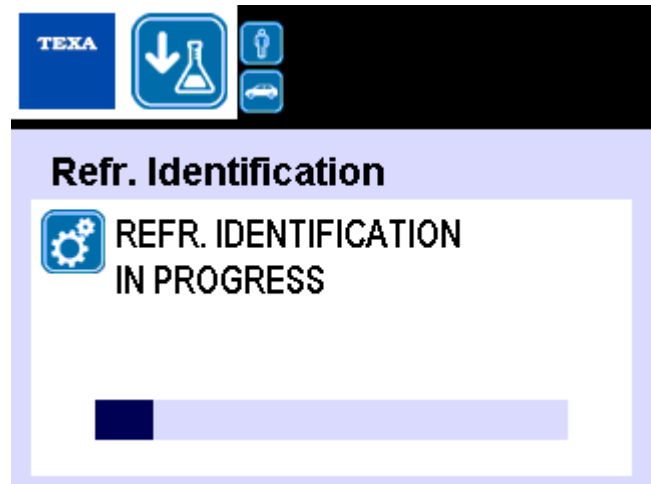


17. Open the LP/HP valves.

Press .

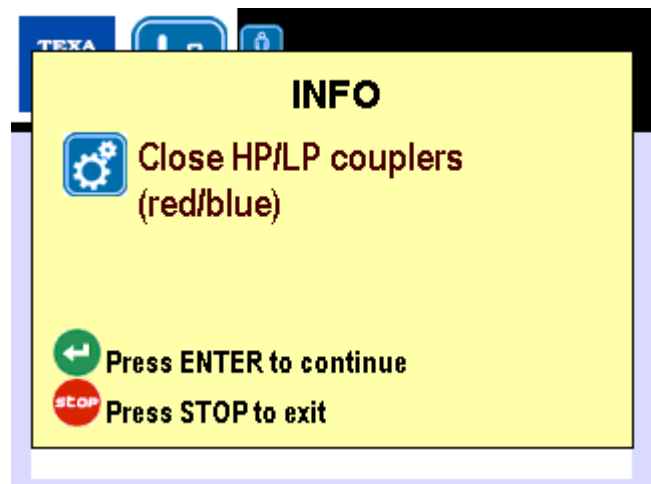


The refrigerant identifier is washed.

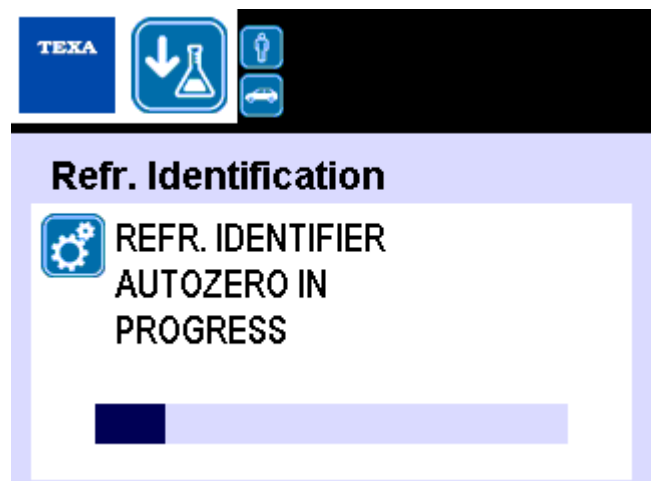


18. Close the LP/HP valves.

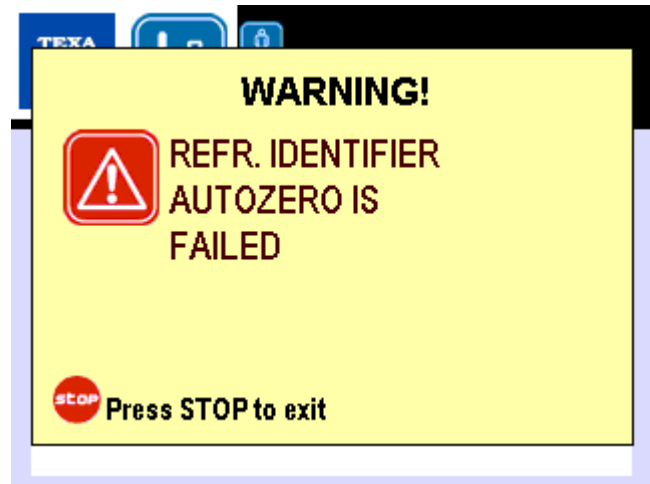
Press  .



The charging station performs an auto-zero.



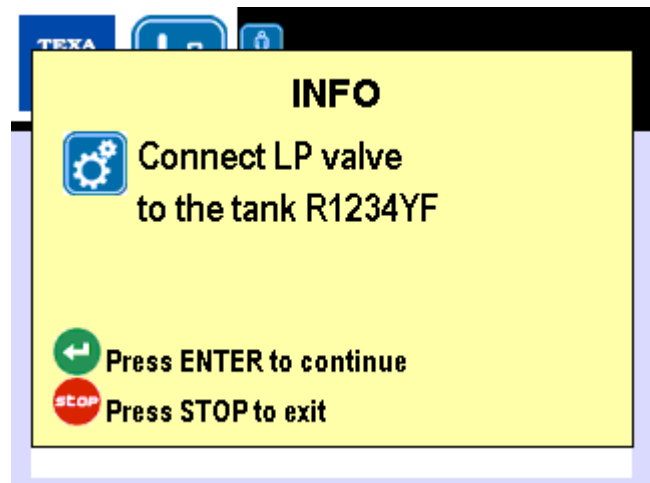
If the **result is negative**, the auto-zero can be repeated only a certain number of times.



If the result is positive, the refrigerant identification procedure proceeds.

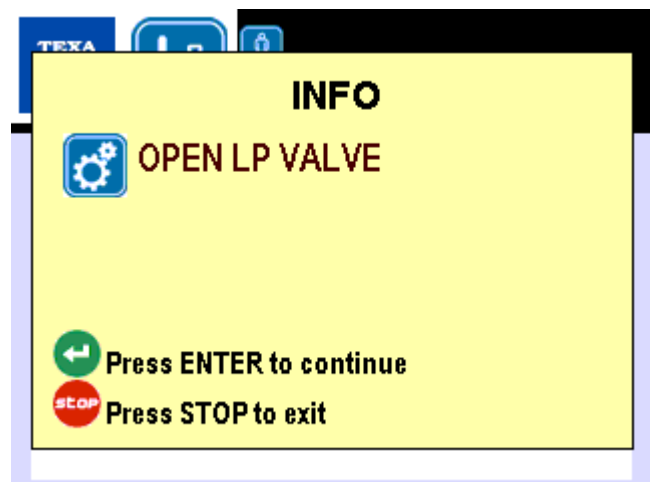
19. Connect the LP hose to the **original R1234yf refrigerant gas cylinder**.

Press  .

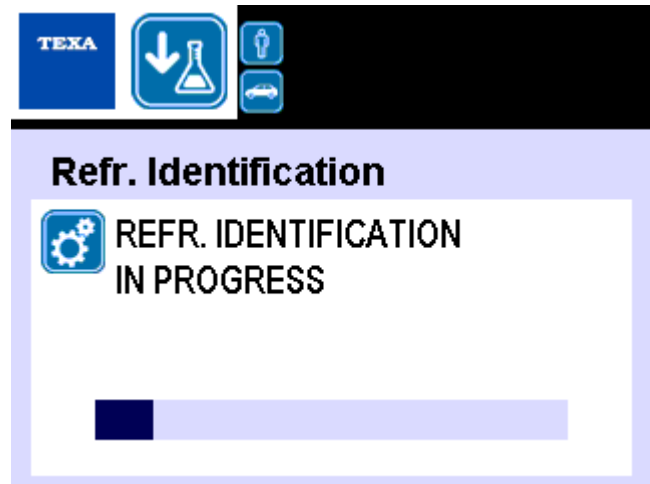


20. Open the **LP** valve.

Press  .



The charging station carries out the refrigerant identification procedure.



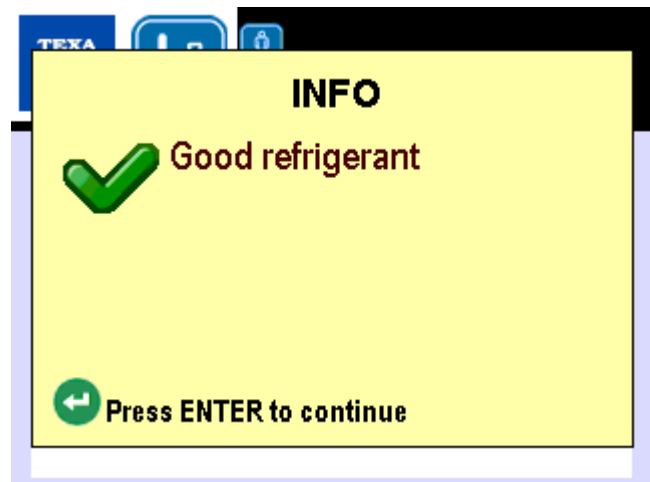
In case of a negative result, other 2 repeated measurements are carried out.

21. Repeat the operations described from point 15 to point 20.

If **all three** of these conditions are met:

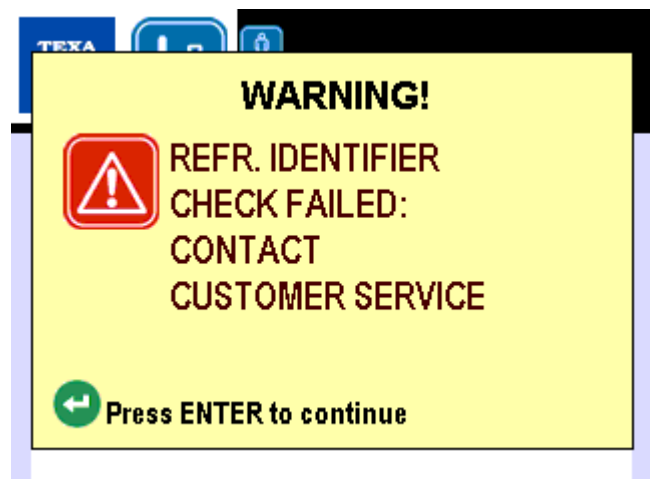
- the refrigerant in the original R1234yf gas vessel is identified as pure;
- the identifier works properly;
- the result of the measurement taken on the vehicle previously is confirmed;

this indicates the presence of **CONTAMINATED REFRIGERANT IN THE VEHICLE**.



DRAW THE CONTAMINATED REFRIGERANT FROM THE VEHICLE IN ORDER TO DISPOSE OF IT!

If, instead, the **refrigerant in the original R1234yf gas vessel** is identified as **contaminated**, contact an authorised TEXA assistance service.



4.2.3 Vacuum

This phase can be carried out or not.

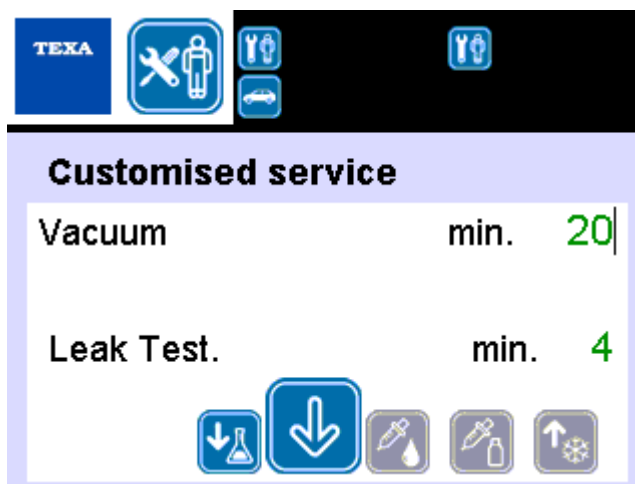
The values which must be specified for the current phase are indicated below.


DATA	DESCRIPTION	VALUE
Vacuum time	Duration of the Vacuum phase	0 ÷ 999 min.
Check time	Duration of the leak check	1 ÷ 99 min.

Proceed as follows:

Enter the required data.

Press .



It is possible to set the vacuum time to 0, in this way the phase is activated and ends when the button  is pressed.

The cycle continues carrying out the leak check.

4.2.4 Oil Injection

This phase:

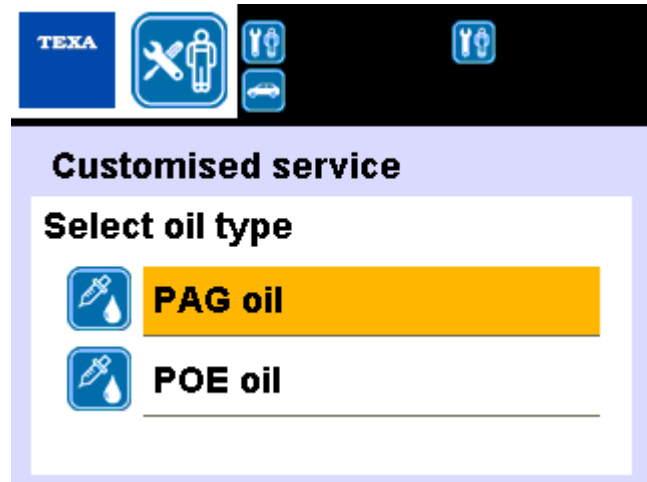
- It can be selected only if you have chosen to carry out the **VACUUM** phase.
- It forces you to carry out the **RECHARGING** phase.



During this phase you must select the **type of oil** to use.

Proceed as follows:

Select the type of oil that must be used.

Press  .



Icon	Name	Function
	PAG oil	It allows selecting the PAG oil to inject into the A/C system.
	POE oil	It allows selecting the POE oil to inject into the A/C system.

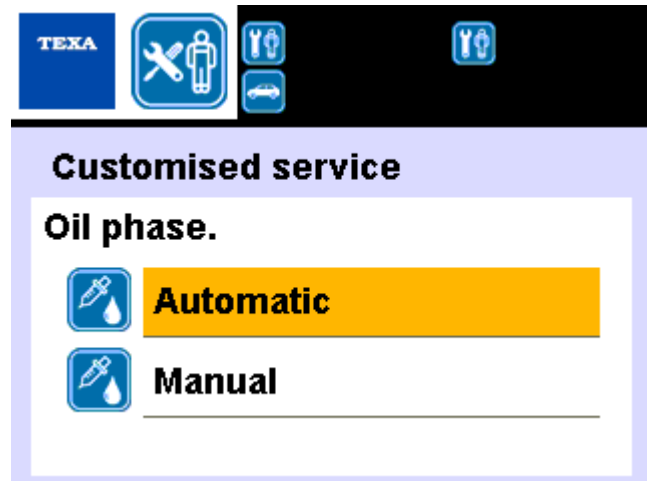
During this phase you must select the **oil injection mode**:



- If you have chosen to carry out the **RECOVERY** phase, you must choose whether to perform it in **automatic** or **manual** mode.
- If you have chosen not to carry out the **RECOVERY** phase, it is carried out automatically.

Proceed as follows:

Select the desired mode.

Press .



Icon	Name	Function
	Automatic *	It allows selecting the automatic injection mode. The equipment determines the volume of oil to be injected by summing the amount of oil recovered during the RECYCLING phase and a possible supplementary volume. The OIL INJECTION step starts automatically at the end of the VACUUM one.
	Manual *	It allows selecting the manual injection mode. The operator must set the quantity of oil to be injected after the execution of the VACUUM step. The OIL INJECTION step starts only after the operator has set the volume to be injected.

(*) For the description of the mode, see to the previous chapter.

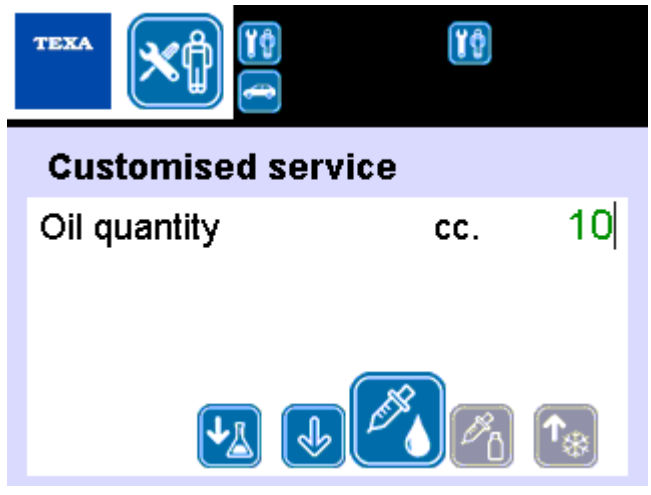
The values which must be specified for the current phase are indicated below.

DATA	DESCRIPTION	VALUE
Oil Quantity	Amount of PAG / POE oil to inject.	It depends on the amount of oil in the bottle.

Proceed as follows:

Enter the requested data.

Press  .



4.2.5 UV Tracer Injection

This phase:

- It can be selected only if you have chosen to carry out the **VACUUM** phase.
- It forces you to carry out the **RECHARGING** phase.

This function is not available for the charging stations:



- 705R
- 705R OFF ROAD
- 707R

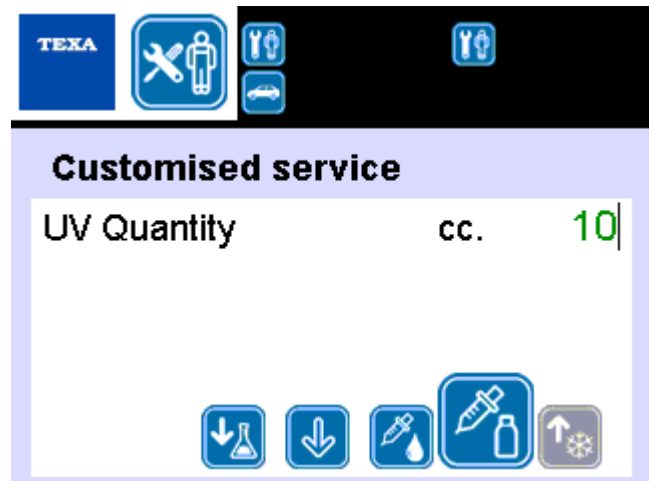
The values which must be specified for the current phase are indicated below.

DATA	DESCRIPTION	VALUE
UV Quantity	Amount of UV tracer to inject.	It depends on the amount of oil in the bottle.

Proceed as follows:

Enter the required data.

Press .



4.2.6 Refrigerant Charge

This phase can be carried out or not.

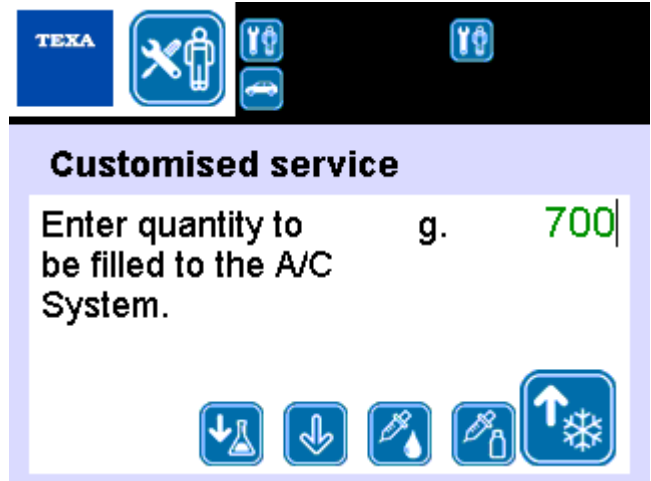
The values which must be specified for the current phase are indicated below.

DATA	DESCRIPTION	VALUE
System Charge Quantity	Amount of refrigerant inject.	It depends on the amount in the tank.

Proceed as follows:

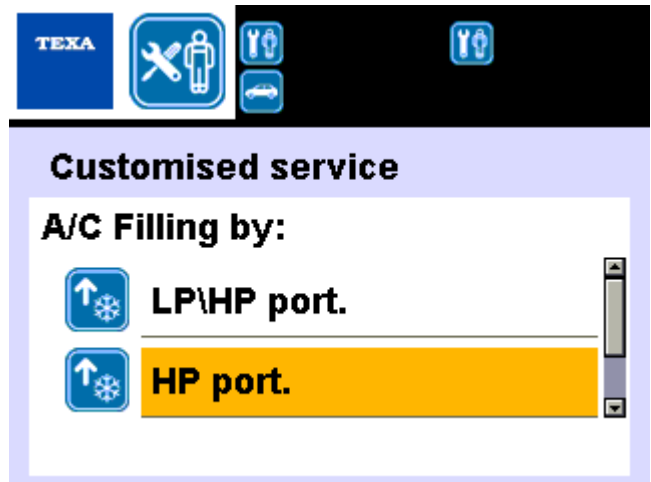
Enter the required data.




Press .



Select the fitting that must be used for the refill.

Press .



Icon	Name	Function
	LP\HP couplers	It allows selecting the simultaneous recharging from both the couplers.
	HP couplers	It allows you to select the recharging from the HP coupler.
	LP couplers	It allows you to select the recharging from the LP coupler.

4.3 My Database

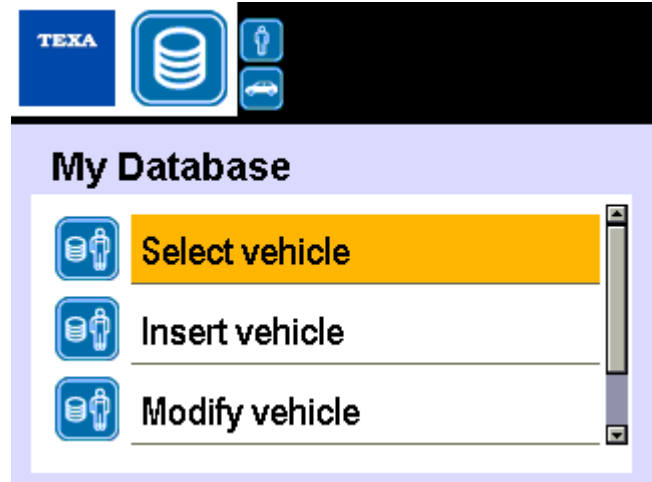
This function allows you to create a database with customised services.





For each service there is a technical sheet that indicates the data related to the vehicle and to the type of service.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Select Vehicle	It allows you to select one of the technical sheets entered previously.
	Insert Vehicle	It allows you to enter a new technical sheet.
	Modify Vehicle	It allows you to change one of the technical sheets entered previously.
	Delete Vehicle.	It allows you to delete one of the technical sheets entered previously.

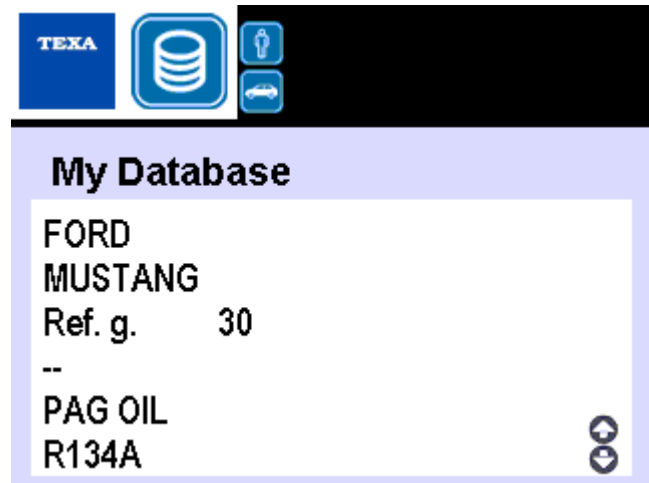
4.3.1 Select Vehicle

This function allows you to select one of the technical sheets entered previously.

Proceed as follows:

Press   until the desired technical sheet is displayed.

Press  .



The charging station gets ready for service on the vehicle based on the data in the selected technical sheet.

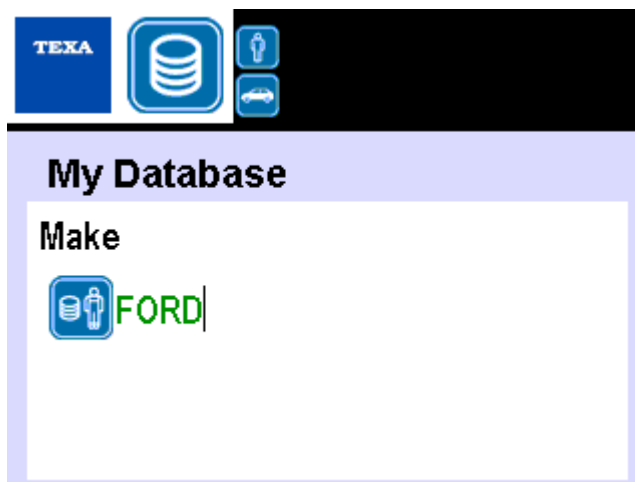
4.3.2 Insert Vehicle

This function allows you to enter a new technical sheet.

Proceed as follows:

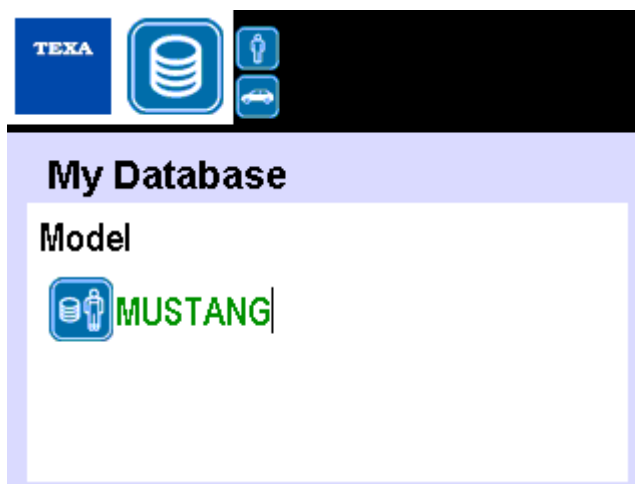
Enter the required data.

Press .



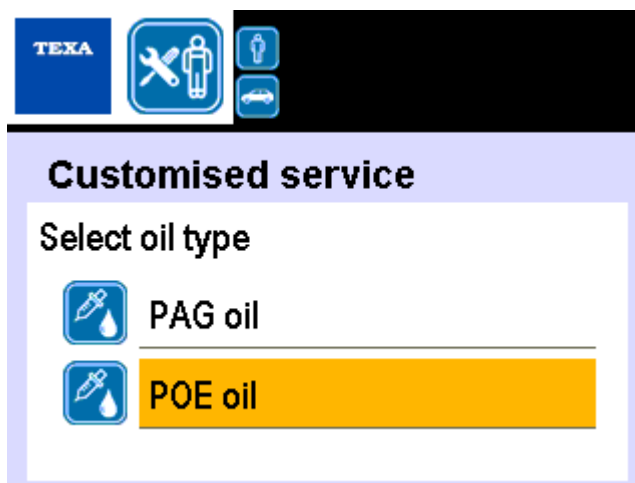
Enter the required data.

Press .



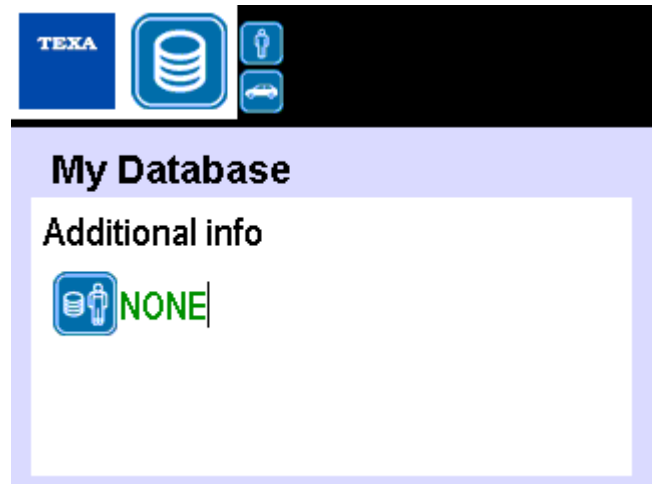
Select the correct type of oil.

Press .

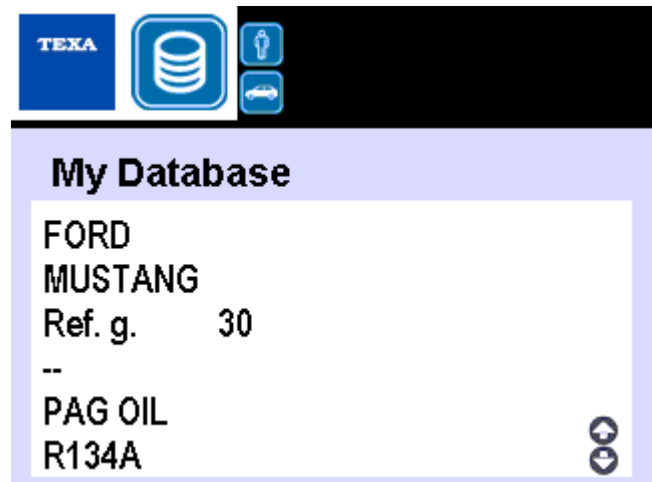


Enter the required data.

Press .



The technical sheet just added to the database is displayed.

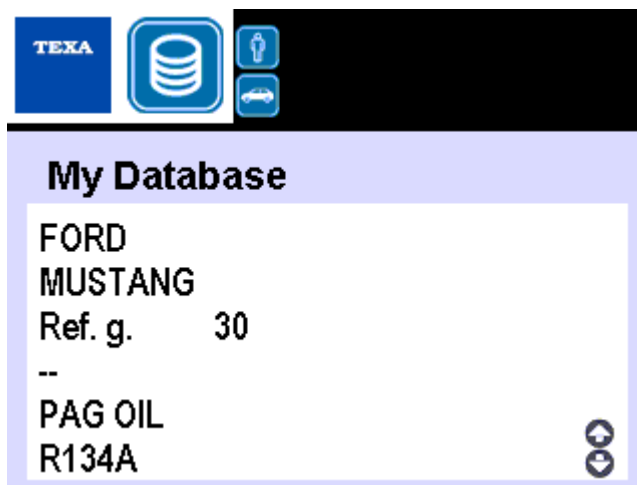


4.3.3 Modify Vehicle

This function allows you to change one of the technical sheets entered previously.
Proceed as follows:

Press   until the desired technical sheet is displayed.

Press  .



Follow the instructions that appear on screen.

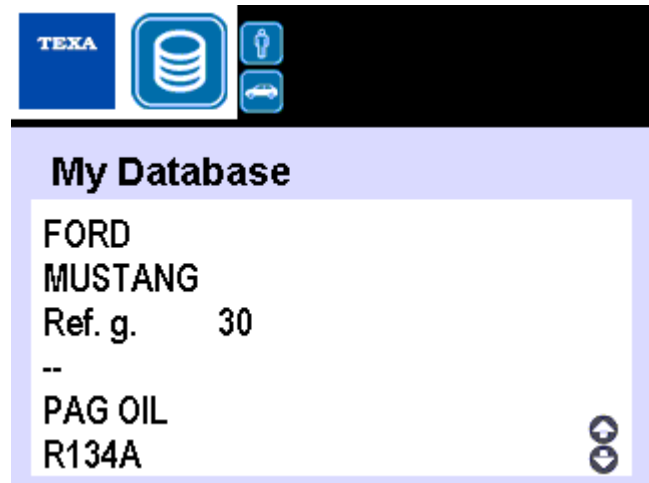
Make the changes requested following the same procedure described in the chapter **Insert Vehicle**.

4.3.4 Delete Vehicle

This function allows you to delete one of the technical sheets entered previously.
Proceed as follows:

Press   until the desired technical sheet is displayed.

Press  .



The selected technical sheet has been deleted.

5 SELF-DIAGNOSIS

This function allows you to select the vehicle on which you wish to work and to access the diagnosis functions.

This function is available only if the SELF-DIAGNOSIS KIT (optional) has been installed.

This function is not available for the charging stations:



- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 712R
- 720R

The selection is made by choosing among the options in the menus:

- *Category*
- *Make*
- *Model*
- *Engine type*
- *Vehicle Code*

These fields make up the **selection levels**.

In order to go from one selection level to the next you must first complete the level you are currently in.

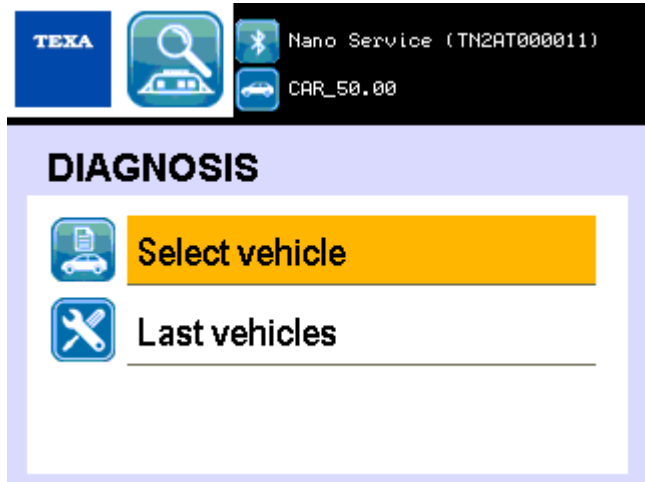
i.e. you cannot select the **Make** if first you have not selected the **Category**.

The **selection** is **complete** when an item has been selected for each level.

Proceed as follows:

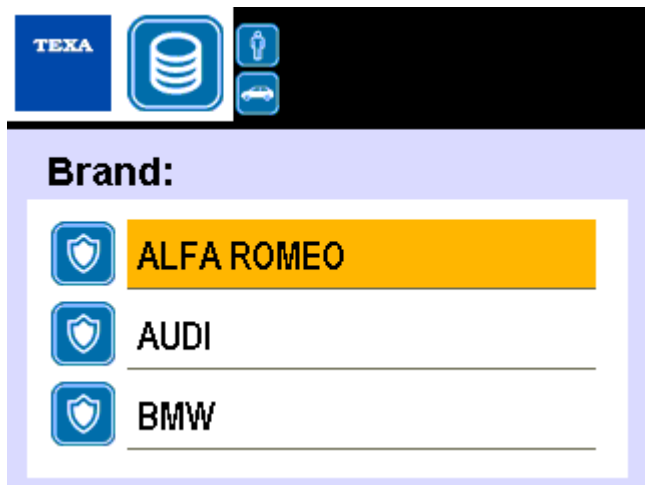
1. Select **Select Vehicle**.

Press .



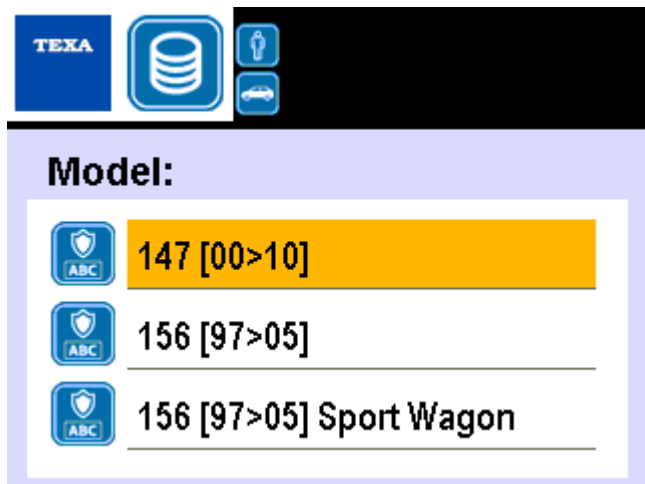
2. Select the **Make**.

Press .



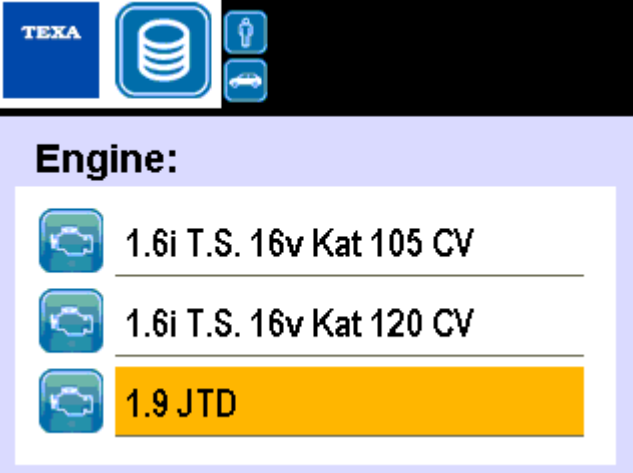
3. Select the **Model**.




Press .






4. Select the **Engine type**.

Press .



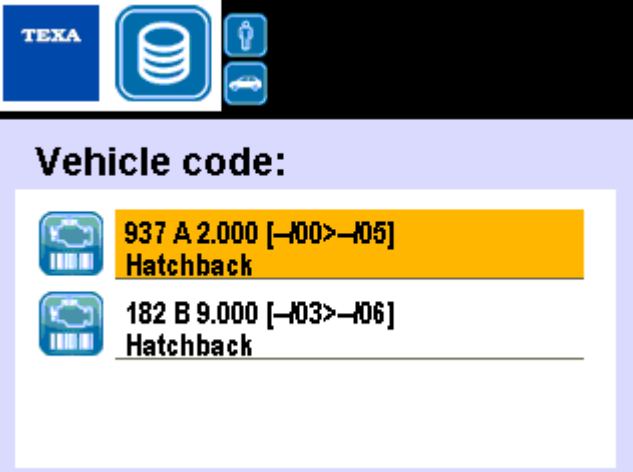
TEXA   




Engine:

-  1.6i T.S. 16v Kat 105 CV
-  1.6i T.S. 16v Kat 120 CV
-  1.9 JTD



5. Select the **Vehicle Code**.

Press .



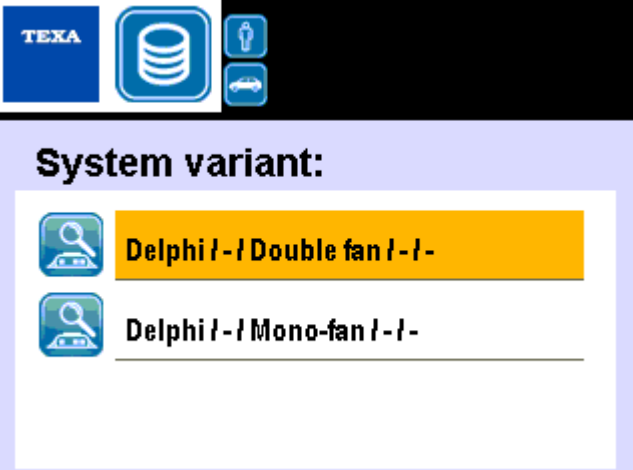
TEXA   




Vehicle code:

-  937 A 2.000 [-K00>-K05]
Hatchback
-  182 B 9.000 [-K03>-K06]
Hatchback



6. Select the **System Variant**.

Press .



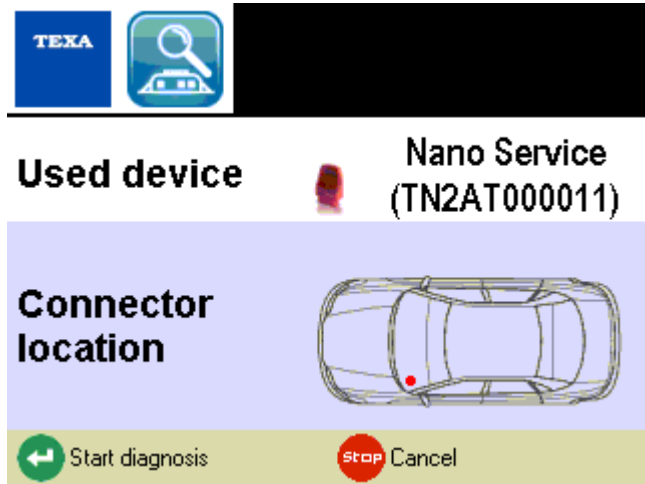
TEXA   

System variant:

-  Delphi / - / Double fan / - / -
-  Delphi / - / Mono-fan / - / -

The system shows the device in use and the diagnostic socket.

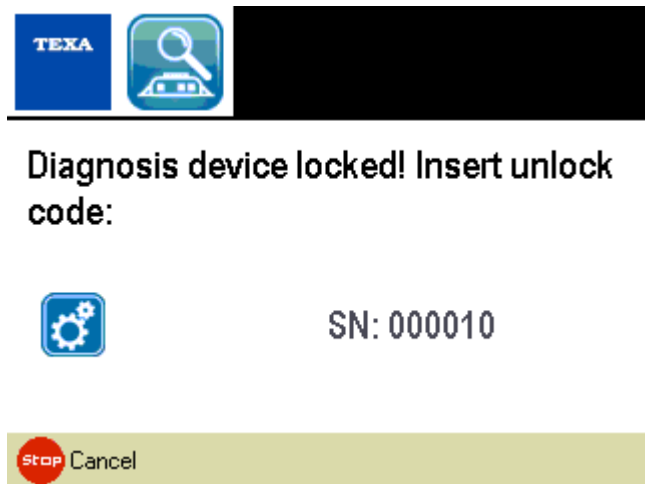
Press .



NOTE:

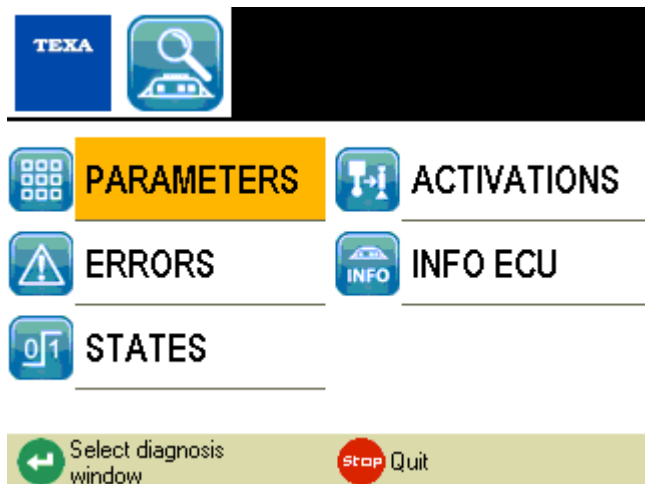
If the device has not been unlocked yet, the software will require you to enter the unlock code.

Once you have entered it, you may proceed with the diagnosis on the vehicle you selected.



7. Select the desired function.

Press .



The functions available in this screen depend on the selection made.

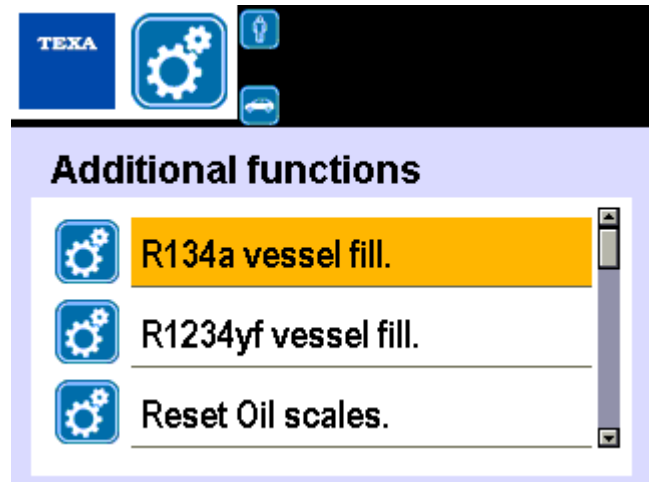
6 ADDITIONAL FUNCTIONS













This menu allows to access the additional functions of the equipment (e.g. tank filling, counters check, etc.).




Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	How to Fill the R134a Tank	It allows starting the guided procedure for filling the internal tank for the R134a refrigerant.
	Filling the R1234yF Tank	It allows starting the guided procedure for filling the internal tank for the R1234yf refrigerant.
	Oil Scale Reset	It allows you to start the guided procedure for resetting the oil scales.
	Flushing	It allows to start the guided procedure of cleaning of the A/C system.
	VDC check	It allows to start the guided procedure of diagnosis on variable displacement A/C systems.
	Scale check	It allows to start the guided procedure of verification of the internal scale calibration.
	Last Cycle Data	It allows to see data related to the last recycling cycle performed.
	Counter Check	It allows to see data related to counters.
	Reset Counters	It allows resetting the data related to the counters.
	System Verification	It allows you to start the automatic A/C system check procedure.
	Forming Gas	It allows pressurising the A/C system to check its sealing under pressure.
	REC+	It allows recovering the contaminated refrigerant from the vehicle's A/C system.

	External Cylinder Vacuum	It allows preparing an external cylinder to recover the contaminated refrigerant.
	Refrigerant Identifier Check	It allows you to start the Refrigerant Identifier check procedure.
	Non-condensable gases	It allows you to check for the presence of non-condensable gases and it eventually starts the discharge procedure.

The functions listed in the previous chart are available for the following models:

Function / Model	705R	705R OFF ROAD	707R	710R	710L	712R	720R	760R	760R BUS	780R BI-GAS
How to Fill the R134a * Tank	X	X	--	X	X	X	X	X	X	X
R1234yf Tank Filling *	--	--	X	--	--	X	X	X	X	X
Oil Scale Reset	--	--	--	--	--	X	--	X	X	X
Flushing	--	--	--	K	K	K	K	K	K	K
VDC check	--	--	--	--	--	--	K	K	K	K
Scale check	X	X	X	X	X	X	X	X	X	X
Last Cycle Data	X	X	X	X	X	X	X	X	X	X
Counter Check	X	X	X	X	X	X	X	X	X	X
Reset Counters	X	X	X	X	X	X	X	X	X	X
System Verification	X	X	X	X	X	X	X	X	X	X
Forming Gas	--	--	--	--	--	X	--	X	X	X
REC+	--	--	X	--	--	X	--	X	X	X
External Cylinder Vacuum	--	--	X	--	--	X	--	X	X	X
Refrigerant Identifier Check	--	--	K	--	--	K	--	K	K	K
Non-condensable gases	X	X	X	X	X	X	X	X	X	X

(*) These functions are available simultaneously only on the **780R BI-GAS** charging stations; in the other **KONFORT Series 700R** charging station only the function related to the specific **GAS KIT** purchased (R134a or R1234yf) is available.

- **X**: disponibile di serie.
- **K**: available only if the equipment is fitted with the specific **KIT**.
- **--** : non disponibile.

6.1 How to Fill the R134a Tank

This function allows starting the guided procedure for filling of the internal tank for the R134a refrigerant.

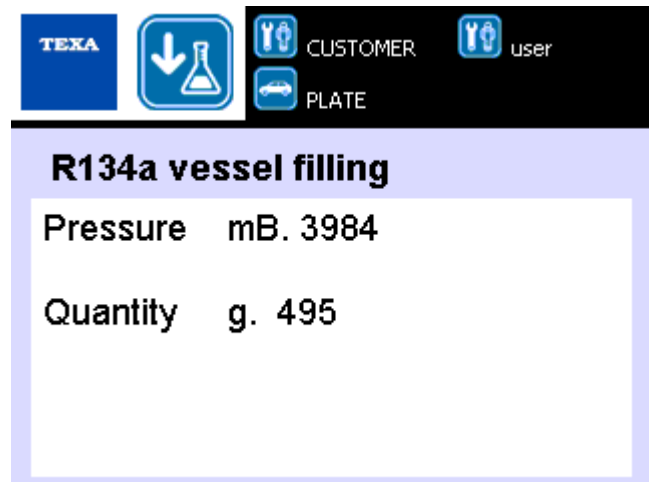


This function is available only if the equipment is fitted with the specific GAS KIT.



Only use the specific refrigerant for the GAS KIT fitted on the equipment.

Proceed as follows:



Follow the instructions on the display.



This function is not available for the charging stations:

- 707R

For more information, refer to the Technical Document.

6.2 Filling the R1234yF Tank

This function allows starting the guided procedure for filling of the internal tank for the R1234yf refrigerant.

This function is not available for the charging stations:



- 705R
- 705R OFF ROAD
- 710R



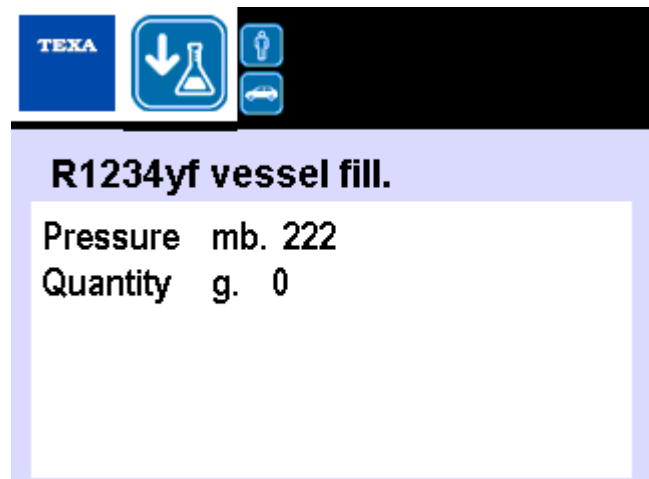
This function is available only if the equipment is fitted with the specific GAS KIT.



Only use the specific refrigerant for the GAS KIT fitted on the equipment.

Proceed as follows:

Connect the external tank.
Follow the instructions on the display.



For more information, refer to the Technical Document.

6.3 Oil Scale Reset

This function allows launching the guided procedure for resetting the oil scales.
Proceed as follows:

Follow the instructions on the display.

Press  .



6.4 Flushing

This function allows to start the guided procedure of cleaning of the A/C system.

**This function can be used only if the equipment is fitted with the specific KIT.
For more information, refer to the KIT Technical Document.**



This function is not available for the charging stations:

- 705R
- 705R OFF ROAD
- 707R

The function allows to use the coolant contained in the equipment tank as a cleaning agent to eliminate, where possible, the lubricant, the UV tracer and the solid residues from the A/C system.



**The KIT is appropriate for use on cars, commercial vehicles and truck cabins.
The KIT is NOT appropriate for use on BUS or industrial A/C systems.**

Two washing modes are available:

SINGLE WASHING	In this mode the equipment performs only a washing cycle. This mode is suitable in the case of small contaminations and/or simple oil or UV additive removal.
MULTIPLE WASHING	In this mode the equipment performs 4 washing cycles. The Vacuum step is carried out only during the first cycle. This mode is suitable in the case of heavy contaminations due to significant damages such as the compressor break down.

The **preset value** of the washing time is **36 s**.

This value is appropriate for most of the cars equipped with an A/C system having a coolant capacity of about 1500g.

It is possible to set the **washing time** to a value included within a range of **1 to ÷ 90 s**.

The larger the system (lorries, trucks, etc.) the greater the amount of refrigerant required for the washing process and consequently the time necessary to complete the operation.

To estimate the washing time for bigger systems, **consider about 30s of washing for each 1000g of coolant**.

For example: for a system with about 2000 grams of coolant, it is necessary to set a washing time of 48 seconds.

The A/C system washing is performed in several steps.

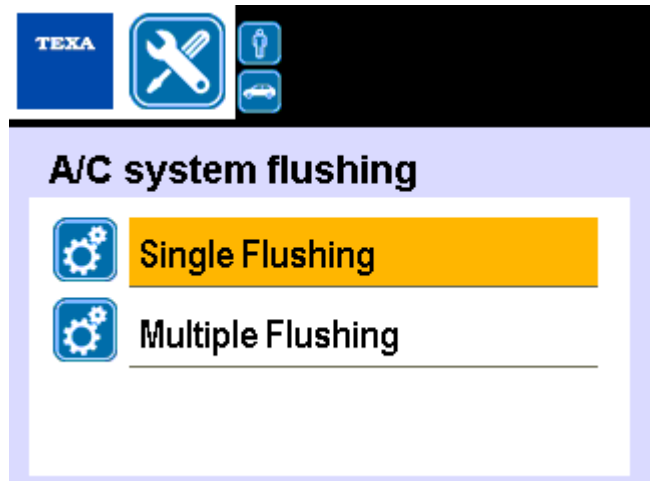
The steps of a complete washing cycle are:



- *Vacuum step of the A/C system and/or of its components.*
- *Performance of a leak test on the system and its connections.*
- *Liquid coolant cleaning.*
- *Recovery and recycling of the contaminated coolant.*
- *Separation and drainage of liquid contaminants.*

Proceed as follows:

Select the desired function.

Press  .



Icon	Name	Function
	Single Washing	It allows to start a single washing.
	Internal Recycling	It allows to start a multiple washing.

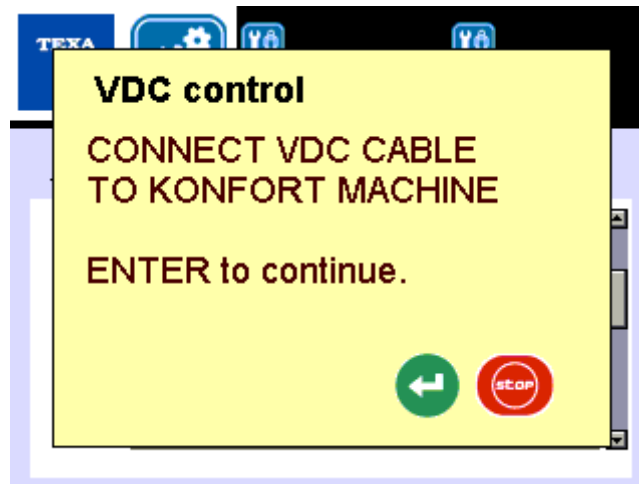
6.5 VDC check

This function allows to start the guided procedure of diagnosis on variable displacement A/C systems.

This function is not available for the charging stations:



- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 712R



This function can be used only if the equipment is fitted with the specific KIT. For more information, refer to the KIT Technical Document.

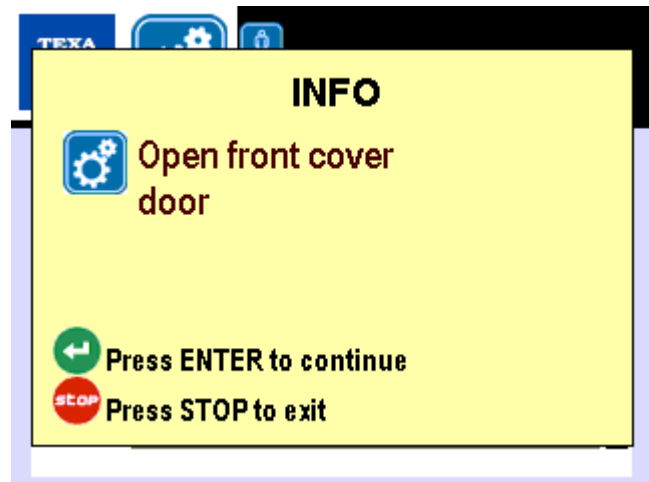
6.6 Scale check

This function allows to start the guided procedure of verification of the internal scale calibration.

Proceed as follows:

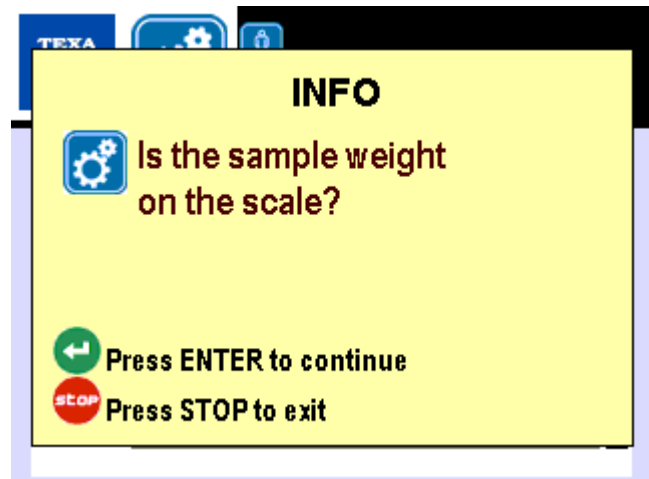
Follow the instructions on the display.

Press .



Follow the instructions on the display.

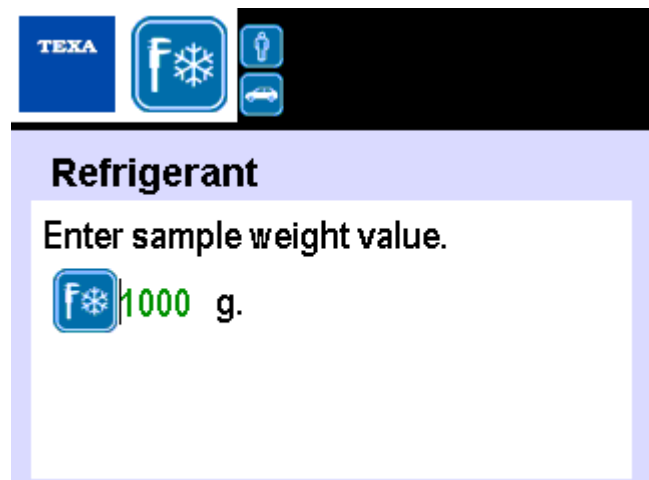
Press .



Enter data when required.

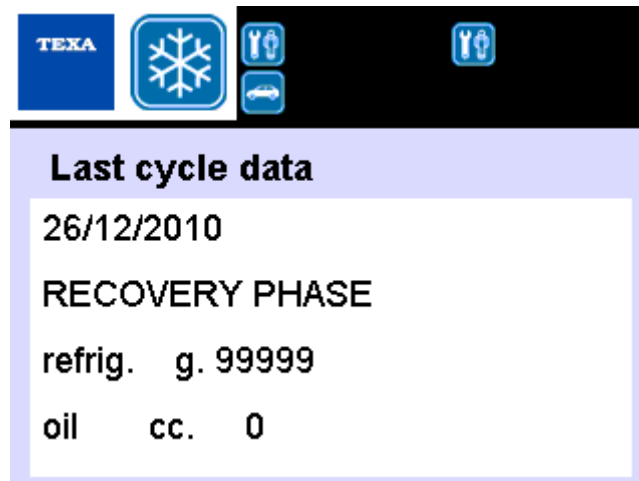
Press .

Follow the instructions on the display.



6.7 Last Cycle Data

This function allows to see data related to the last recycling cycle or step performed.



The function displays:

- *quantity of recovered coolant [g]*
- *quantity of recovered oil [g]*
- *vacuum step duration [minutes]*
- *vacuum phase pressure [mBar]*
- *type of oil used*
- *quantity of injected oil [g]*
- *quantity of UV additive injected [g]*
- *quantity of injected coolant [g]*
- *last cycle date*

Data are stored in the equipment memory until the execution of a new recharging cycle or a new step.

6.8 Counter Check

This menu allows displaying the data related to the counters.

Counters summarize the following data:

- quantity of recovered coolant from A/C systems
- quantity of injected coolant in the A/C systems
- quantity of recovered coolant from external cylinders
- vacuum pump operating time
- last reset date

Three types of counters are available:

COUNTERS	DESCRIPTION
Resettable	This type of counters reports the values from the last reset made through the service menu functions.
Total	This type of counters reports the values from the beginning of the equipment life.
Partial	This type of counters reports the values divided by day/week/month/year and has a statistic function.

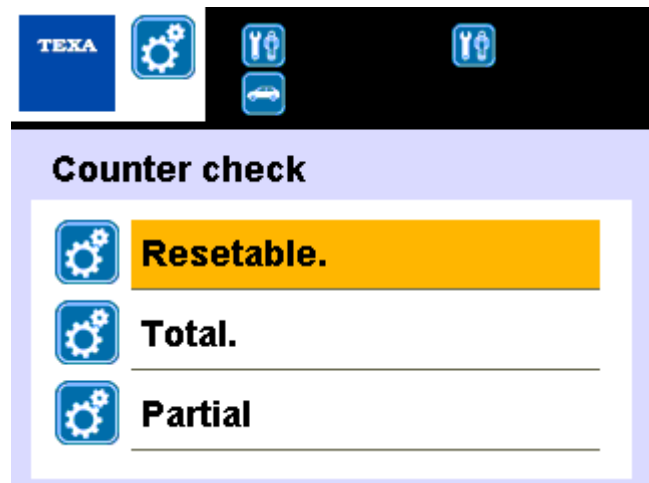





The TOTAL counters and the PARTIAL counters cannot be reset.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Resettable	It allows to see resettable counters.
	Total	It allows to see total counters.
	Partial	It allows to see partial counters.

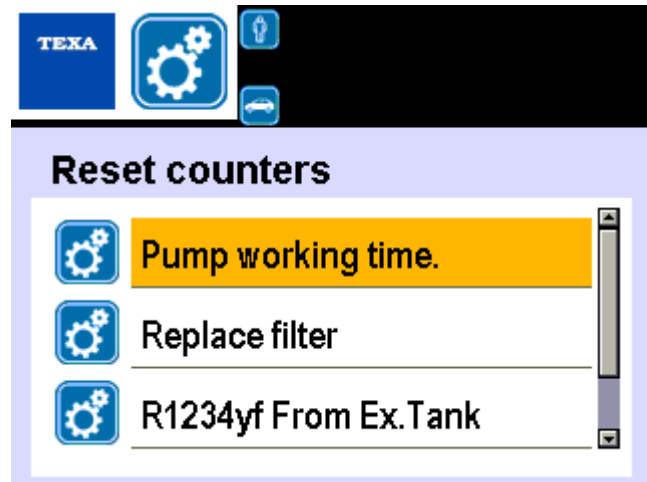
6.9 Reset Counters







This functions allows resetting the data related to the counters.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Pump Working Time	It allows resetting the counter related to the pump's total time of use.
	Filter Replacement	It allows launching the procedure for replacing the filter and resetting the counter related to the time of use.
	R134a from Cylinder *	It allows resetting the counter related to the refrigerant removed from the internal tank.
	R134a Charged *	It allows resetting the counter related to the amount of refrigerant charged in the vehicle's A/C system.
	R1234yf from Cylinder *	It allows resetting the counter related to the refrigerant removed from the internal tank.
	R1234yf Charged *	It allows resetting the counter related to the amount of refrigerant charged in the vehicle's A/C system.

(*) These functions are available simultaneously only on the **780R BI-GAS** charging stations; in the other **KONFORT Series 700R** charging station only the function related to the specific **GAS KIT** purchased (R134a or R1234yf) is available.

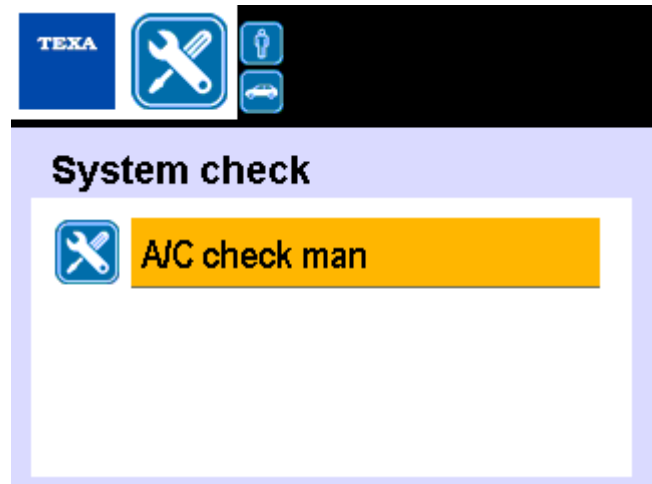
6.10 System Verification



This function allows you to start the A/C system check procedure.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Manual System Check	It allows you to start the manual A/C system check procedure.
	Automatic System Check	It allows to start the automatic verification procedure of the A/C system.

6.10.1 Manual System Check

This function allows you to start the manual A/C system check procedure.

The procedure must be carried out with the vehicle's engine running and checking the pressure gauges on the charging station.

6.10.2 Automatic System Check

This function allows to start the automatic verification procedure of the A/C system.

The automatic mode is available only if the A/C SYSTEM EFFECTIVENESS KIT (optional) is installed.



This function is not available for the charging stations:

- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 712R

The function verifies the system effectiveness before and after maintenance operations and provides a quick assessment of the most important parameters of the A/C system.

The verification displays and print automatically the following values:

- *Ta*: room temperature [°C]
- *Tc*: compartment temperature [°C]



The diagnostic messages provided by the equipment must be considered as an indication and the possible fault or cause of a malfunction must be checked by the operator.

Proceed as follows:

Enter the required data.

Follow the instructions on the display.

The equipment verifies the connection to the **A/C SYSTEM EFFECTIVENESS KIT**.

Follow the instructions on the display.

The following values are displayed in real-time:

DATA	DESCRIPTION	MEASUREMENT RANGE
Ta	Ambient temperature	- 20,0 ÷ 80 °C, ± 0,5 °C
Tc	Compartment temperature	- 5,0 ÷ 40 °C, ± 0,5 °C
Time	Remaining time to the end of the verification	min : s

System verification should last 5 minutes max.

At the end of the verification, the equipment emits an acoustic sound.

Press .

If the printer is ON-LINE, the equipment will print the verification report.

The equipment performs the automatic cleaning of the service pipes at the end of the verification.

Follow the instructions on the display.

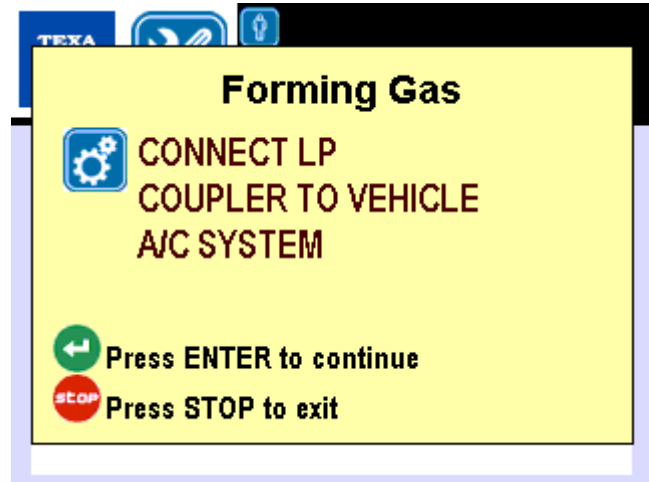
6.11 Forming Gas

This function allows pressurising the A/C system to check its sealing under pressure.
Proceed as follows:

Select the function.

Press .

Follow the instructions on the display.



6.12 REC+

This function allows recovering the contaminated refrigerant from the vehicle's A/C system.



This function can be used only if the REC+ accessory has been purchased to combine with the equipment.

Proceed as follows:

Select the function.

Press .

Follow the instructions on the display.



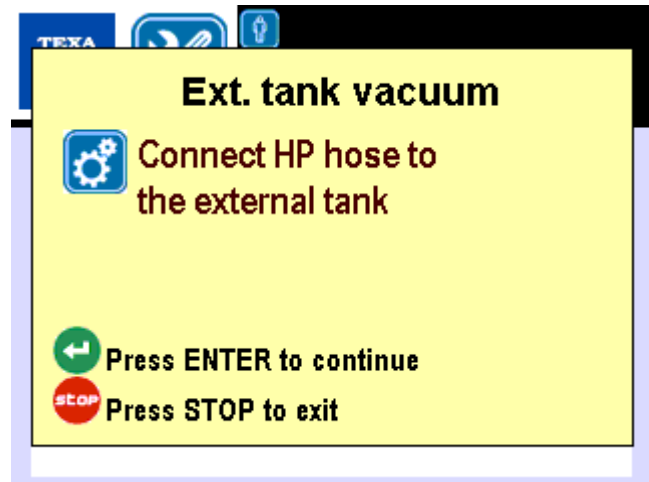
6.13 External Cylinder Vacuum

This function allows preparing an external cylinder to recover the contaminated refrigerant. Proceed as follows:

Select the function.

Press .

Follow the instructions on the display.



6.14 Refrigerant Identifier Check

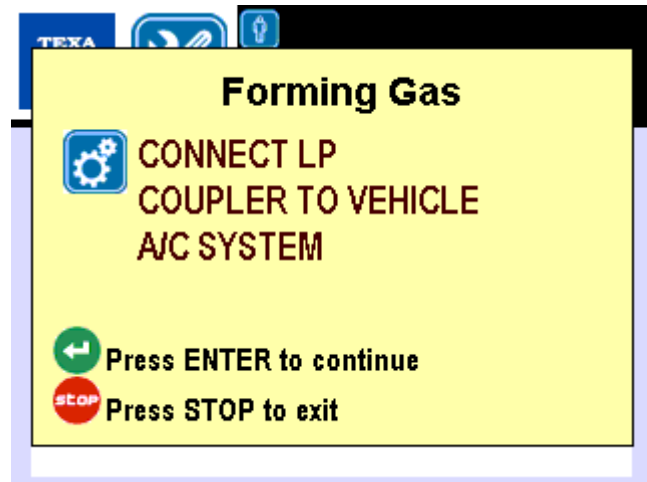
This functions allows you to start the Refrigerant Identifier check procedure.

Proceed as follows:

Select the refrigerant being used.

Press .

Follow the indications that appear on the display.



6.15 Non-condensable gases

This function allows you to check for the presence of non-condensable gases and it eventually starts the discharge procedure.

Proceed as follows:

Select the function.

Press .

Wait for the result of the procedure.



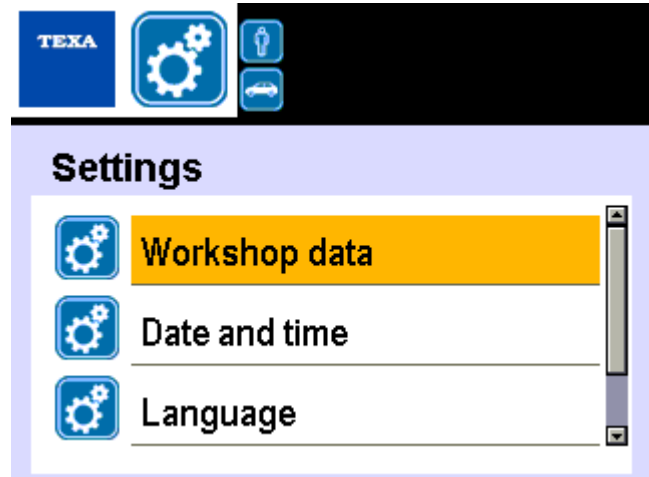
7 SETTINGS






This menu allows to access the setting functions (e.g. Date and time, language, etc.).

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Workshop Data	It allows you to enter the data relative to the workshop.
	Date and Time	It allows you to set the date and the time.
	Language	It allows you to set the displaying language of the software.
	Bottle Management *	This menu allows you to access the bottles management.
	Customised items	It allows you to enter the data related to the heading on the prints regarding the services that were carried out.

(*) *Not available for the charging stations:*

- **705R**
- **705R OFF ROAD**
- **707R**
- **710R**
- **710L**
- **712R**
- **720R**

7.1 Workshop Data

This function allows you to enter the data relative to the workshop.

Data entered through this function will be printed as a header of each report related to the A/C system recharging service.

It is possible to enter up to 5 rows of text.

Proceed as follows:

Enter data.

Press .

Repeat the operations described above for each row of text you want to enter.



Workshop data

Enter company data.

1

TEXA SPA

7.2 Date and Time

This function allows to set the date and the time.


Proceed as follows:

Enter the required data.

Move between fields using



Press



TEXA [Settings] [User] [User]

Date and time


Day	8
Month	2
Year	11

Enter the required data.

Move between fields using



Press



TEXA [Settings] [User] [User]

Date and time

Hour	9
Minute	59

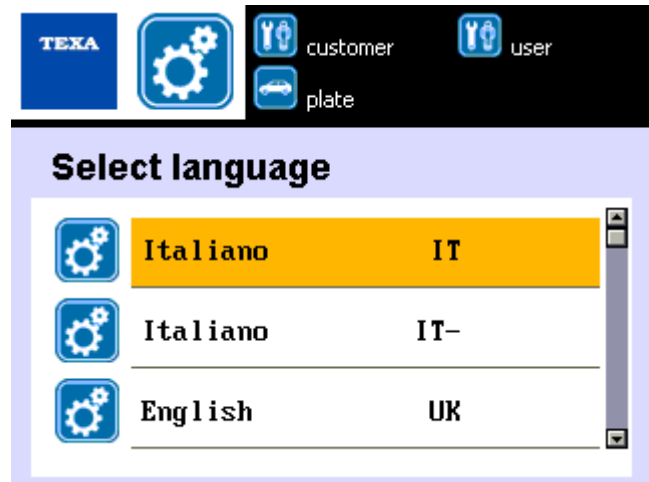
7.3 Language

This function allows you to set the displaying language of the software.

Proceed as follows:

Select the required language.

Press .



7.4 Cylinders Management

This menu allows you to access the bottles management.

This function is not available for the charging stations:



- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 712R
- 720R

Through the items of this menu, it is possible to set the intended use of a bottle. The airtight bottles, which the charging stations are fitted with, are already installed on the equipment and set to their default intended use:

- 760R
- 760R BUS
- 780R BI-GAS



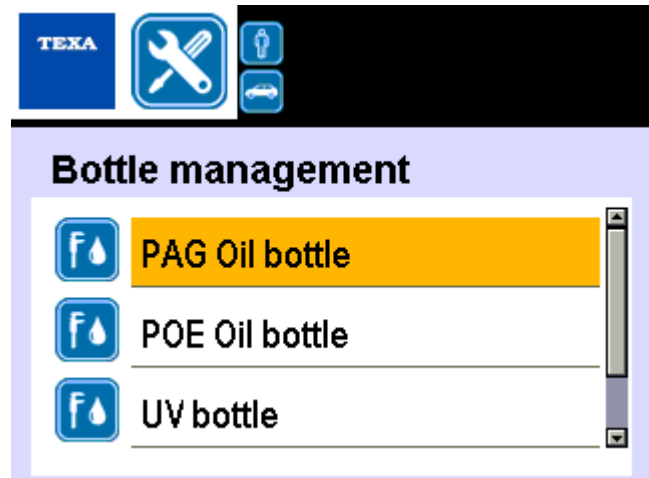
If you wish to use a new bottle, you must specify its intended use.

Proceed as follows:

Place the small bottle in the desired position.

Select the intended use.

Press



Icon	Name	Function
	PAG oil small bottle	It allows to set the specific bottle for the PAG oil.
	POE oil small bottle	It allows to set the specific bottle for the POE oil.
	UV small bottle	It allows to set the specific bottle for the UV additive.
	Drain small bottle	It allows to set the specific bottle for the drain.

The LED of the small bottle status turns to GREEN.

The intended use setting has been completed successfully.
For more information, refer to the Technical Document.

7.5 Customised items

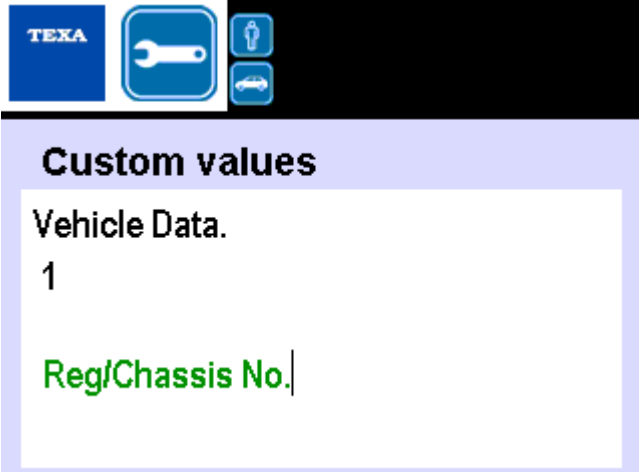
This function allows you to enter the data related to the heading on the prints regarding the services that were carried out.

It is possible to enter up to 4 rows of text.

Proceed as follows:

Enter data.

Press  .



TEXA

Custom values

Vehicle Data.

1

Reg/Chassis No. |

8 SERVICE

This menu allows to access the equipment service functions.

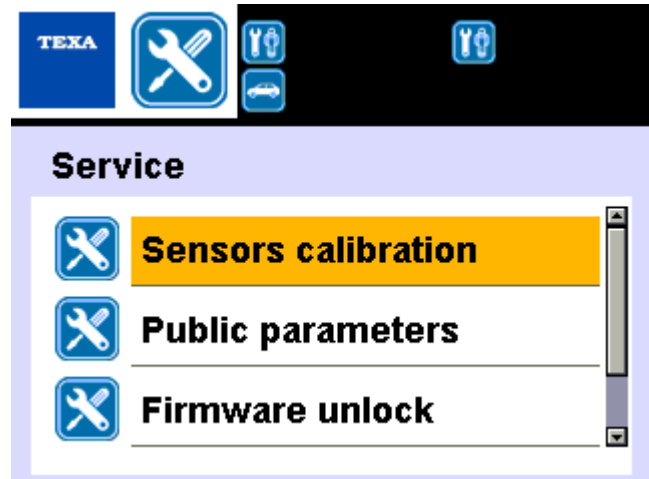
The number and the items displayed in this screen depend on the password used to access the menu.







Below you can find only the items which can be accessed using the password reserved for the operator.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Sensors Calibration	It allows to access the calibration menu of the sensors.
	Public Parameters	It allows to display the equipment public parameters.
	Firmware Unlock	It allows to unlock the firmware.
	Calibrations Status	It allows to display the equipment calibrations status.
	Stored Errors	It allows you to view the errors the charging station stored.
	Default Parameters	It allows you to reset all the parameters to their original factory-set parameters.

8.1 Sensors Calibration

This function allows to access the calibration menu of the sensors.



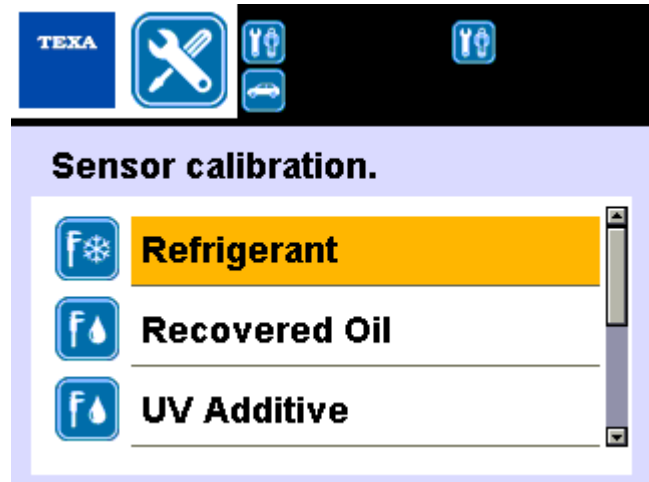
At least once a year, you must make sure the REFRIGERANT SCALE and the PRESSURE TRANSDUCER are working properly.






The calibration of the oil and UV additive scales is necessary only if clear failures are detected or if a component is replaced.

Proceed as follows:

Select the desired function.

Press .



Icon	Name	Function
	Coolant	It allows to calibrate the scale sensor of the coolant.
	Recovered Oil *	It allows to calibrate the sensor of the oil recovery bottle.
	UV Additive	It allows to calibrate the sensor of the UV additive bottle.
	Injection Oil	It allows to calibrate the sensor of the oil bottle.
	Main Sensor	It allows to calibrate the main pressure sensor.

(*) *Not available for the charging stations:*

- **705R**
- **705R OFF ROAD**
- **707R**
- **710R**
- **710L**
- **720R**

8.1.1 Coolant

This function allows to calibrate the scale sensor of the coolant.

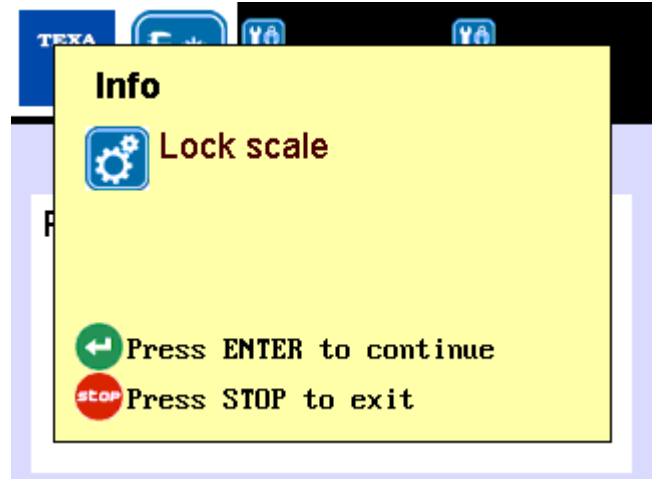


You must have the specific KIT which includes the sample weight.

Proceed as follows:

Perform the operations displayed.

Press .



8.1.2 Recovered Oil

This function allows to calibrate the sensor of the oil recovery bottle.

This function is not available for the charging stations:

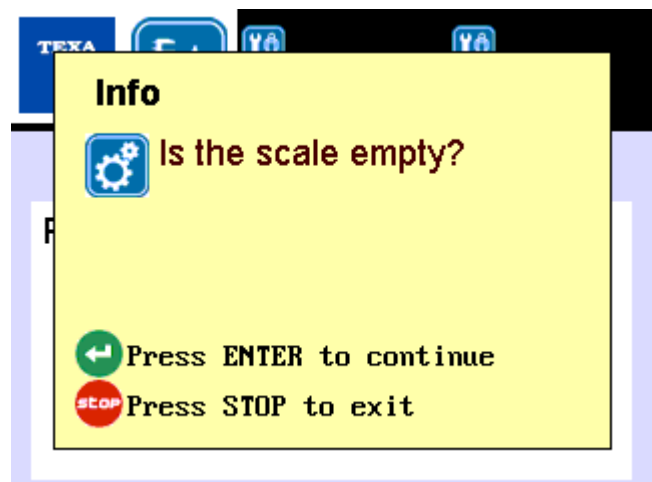


- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 720R

Proceed as follows:

Perform the operations displayed.

Press .



8.1.3 Injection Oil

This function allows to calibrate the sensor of the oil bottle.

This function requires the use of an external scale (not provided) when carried out on the models:



- 705R
- 705R OFF ROAD
- 707R
- 710R
- 710L
- 720R

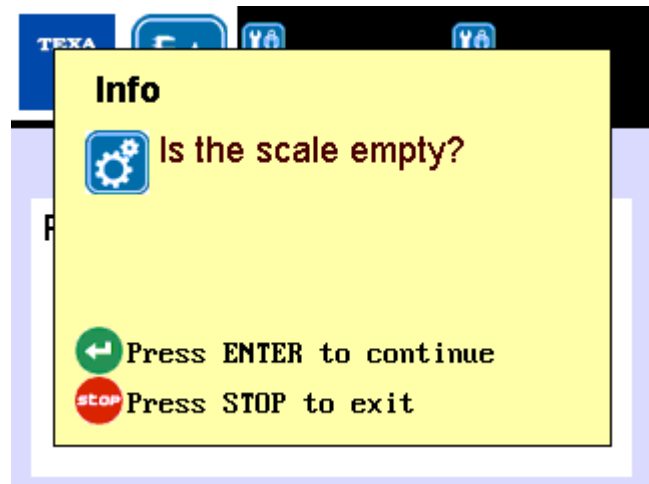


During the procedure, you must indicate the correct weight to input.

Proceed as follows:

Perform the operations displayed.

Press  .



8.1.4 UV Additive

This function allows to calibrate the sensor of the UV additive bottle.

This function requires the use of an external scale (not provided) when carried out on the models:



- 710R
- 710L
- 720R

During the procedure, you must indicate the correct weight to input.

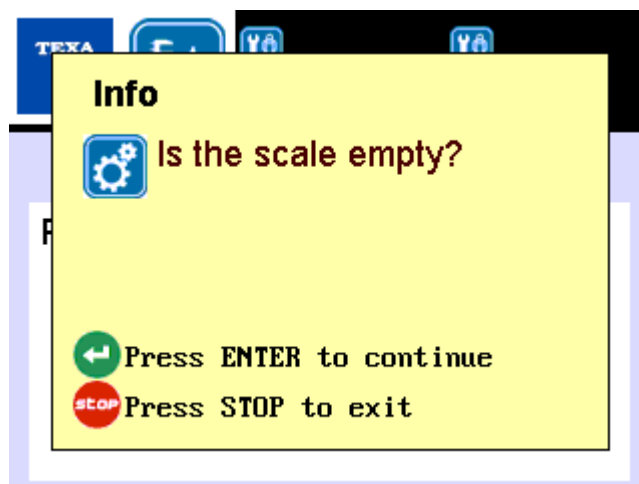


During the procedure, you must indicate the correct weight to input.

Proceed as follows:

Perform the operations displayed.

Press  .



8.1.5 Main Sensor

This function allows to calibrate the main pressure sensor.

Proceed as follows:

Perform the operations displayed.

Press .



8.2 Public Parameters

This function allows you to access the equipment's public parameters. The public parameters are useful to know the operating status of the equipment.





Change the values ONLY if indicated by Technical Assistance.



If you enter inappropriate values, the equipment's proper operation can be compromised.

Proceed as follows:

Use   to display all the items and their related values.



8.3 Firmware Unlock

This function allows you to unlock the firmware.

The equipment includes a demo mode.

The equipment can be used in Demo mode for a maximum cycle of 15 power on-power off.



The equipment locks automatically at the end of the cycle and can no longer be used.

In order to unlock the equipment you must enter a specific countercode.

Proceed as follows:

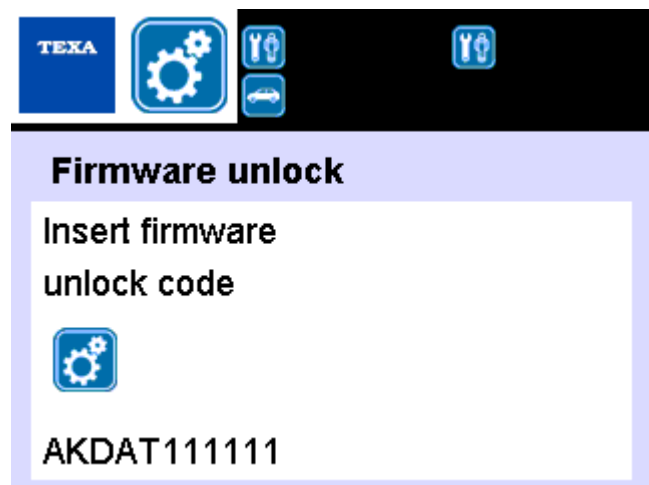
Contact your dealer.

Enter the data of your recharging station.

Give the code to the Retailer.

Enter the counter code provided by the Retailer in the software.

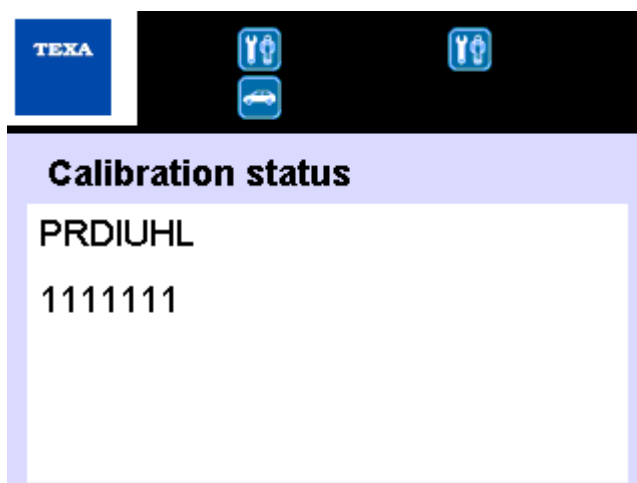
Press  .



8.4 Calibrations Status

This function allows to display the equipment calibrations status.

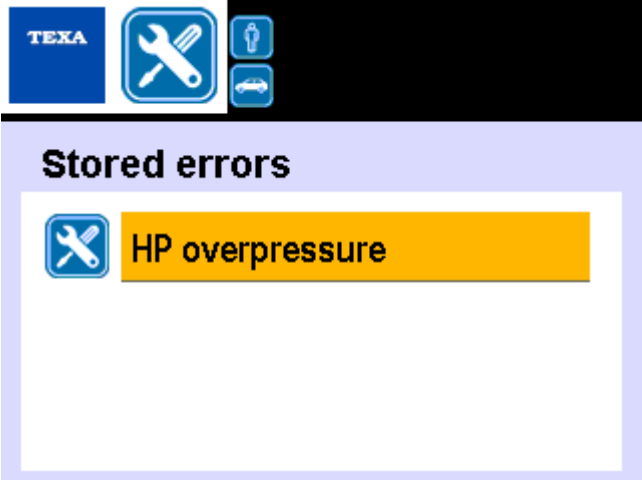
When necessary, give the displayed code to the Technical Assistance Service.



8.5 Stored Errors

This function allows you to view the errors the charging station stored.
Proceed as follows:

Select the desired error.

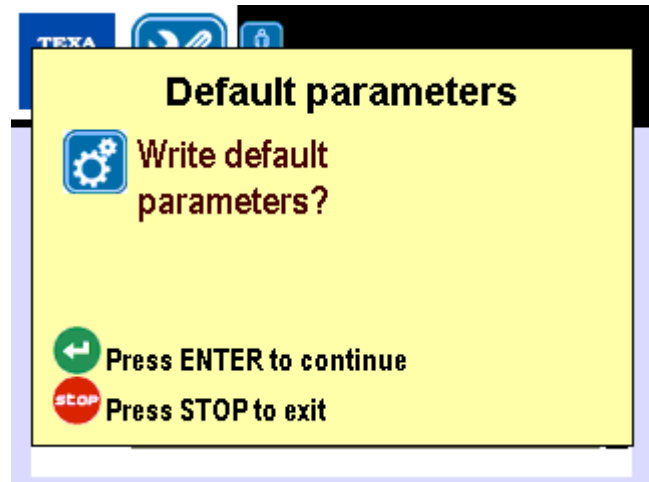


8.6 Default Parameters

This function allows you to reset all the parameters to their original factory-set parameters. Proceed as follows:

Press .

The parameters are reset to their original values.



9 LEGAL NOTICES

TEXA S.p.A.

Via 1 Maggio, 9 - 31050 Monastier di Treviso - ITALY

Tax Code - Company Register of Treviso ID No. - VAT No.: 02413550266

Single-shareholder company subject to the direction and coordination activities of Opera Holding S.r.l.

Paid-up share capital 1,000,000 € - R.E.A. (Economic Administrative Index) No. 208102

Legal Representative Bruno Vianello

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For information regarding the legal notices, please refer to the **International Warranty Booklet** provided with the product.