



Technical Information

one

ENGLISH

Table of content

TI 001 from 12.03.2010.....	4
1. Software Release V1.01 for Egro ONE Touch	4
2. Egro ONE Touch SW Update Procedure.....	4
TI 002 from 30.06.2010.....	5
Modifications on Egro ONE.....	5
1. Egro ONE SW Update	5
a. Retrofit.....	5
2. Safety valve	5
a. Retrofit.....	6
3. Third way drain cup.....	6
a. Retrofit.....	6
4. Spring for Grinder	6
TI 003 from 23.07.2010.....	8
Software Release V1.02 for Egro ONE and other items.....	8
1. Egro ONE SW Update	8
a. Retrofit.....	9
b. Compatibility.....	9
2. Service booklet	9
TI 004 from 27.08.2010.....	9
Video for Egro ONE Touch.....	9
1. Video Format.....	9
2. Video Editing Software	9
3. Educational Video	9
4. Use of Video	10
TI 005 from 28.09.2010.....	10
OS updated for Egro ONE Touch.....	10
1. Operating system updated.....	10
2. Retrofit.....	10
3. Update of the OS.....	10
TI 006 from 15.02.2011.....	10
Software Release V2.00, Egro ONE Viewer and Vacuum valve.....	10
1. Egro ONE Viewer.....	10
a. What's in the PARAMETER FILE?.....	11
b. Where to find the Egro ONE Viewer?	11
2. Software Version 2.00	11
a. SW modifications	11
b. The following bugs are fixed:	11
c. Update of SW	12
3. Vacuum valve	12
TI 007 from 15.02.2011.....	12
Software Release V2.01 for Egro ONE	12
1. Software Version 2.01	13
a. SW modifications	13
b. The following bugs are fixed:	13
c. Update of SW	13
TI 008 from 30.03.2011.....	14
New T22 and T30 valve	14
1. The T 22 valves	14
2. The T 30 valves	14
TI 009 from 26.04.2011.....	15
Modified bracket on the coffee spout and new guidance of pipes	15
1. The bracket from the coffee spout has been strengthened.....	15
2. The hose guide for the steam pipe was optimized	15
3. Safety valve and the vacuum valve reversed.....	16

TI 010 from 12.01.2012	16
1. Unifying the side panels	16
2. Fresh water hose with buildin check valve	16
3. Cleaning products with unified packing	17
TI 011 from 16.03.2012	18
1. Software Release V2.02 for Egro ONE Touch + Key Pad	18
2. Introduction modified connector on the brewing valve from the coffee boiler	18
3. Introduction new piston shaft on the upper piston from the brewing group	19
4. Introduction bean slider for bean hoppers	19
TI 012 from 29.05.2012	19
1. Introduction new silent block on the water pump	19
2. Introduction of new gasket on the heating element from the steam boiler	19
TI 013 from 22.06.2012	20
1. Software Release V3.02/01 for Egro ONE Touch + Key Pad	20
TI 014 from 31.07.2012	24
1. New Software ONE V3.03 for Egro ONE Touch	24
2. New software ONE Layout for Touch and Keypad	24
3. The bracket from the coffee spout was revised again	24
TI 015 from 04.03.2013	25
1. New spindle motor (L61)	25
2. New expansions valve	25
TI 016 from 06.05.2013	26
1. New Control board Software ONE V 3.03 (Basic Software)	26
2. New Touch Board Software V3.04 (since September 2012)	26
3. Information about a additional milk cleaner	27
TI 017 from 30.07.2013	28
1. New coffee boiler with 2.5 kW heater	28
2. New Software ONE V3.05 for (Touch + Key pad)	28
3. New ONE with 13A	29
4. New ONE Viewer 3.02	29
TI 018 from 08.11.2013	29
1. New restrictor ring	29
2. The sucking nozzle will be replaced	29

TI 001 from 12.03.2010

1. Software Release V1.01 for Egro ONE Touch

Due to a problem that occurs when using the software version 1.00 of the Egro ONE Touch we provide as of now the new software version 1.01.

The bug discovered in the software version 1.00 of the Egro ONE Touch could create a communication timeout error between the "control board" and the "touch board".

The error can appear during the navigation in the Technical menu or Manager menu or during the first start-up procedure.

The software is fully compatible with version V1.00.

A software update is requested for all machines with touch screen using the SW version 1.00.

The new software version 1.01 as well as the description of the installation procedure can be found on the Egro Webshop. The software is available as zip-file and has to be extracted.

The file "SwRelease_1-01.tar" needs to be copied to an USB stick.

All machines with touch screen from s/n 450177 on will be delivered with the new software version.

Coffee machines with s/n 450001 to 450040 are equipped with a beta software V0.1. There is no possibility to upgrade these machines to the new software.

2. Egro ONE Touch SW Update Procedure

To upgrade the software copy the file "SwRelease_1-01.tar" on a USB stick and then insert the stick in the USB slot when the machine is switched on and ready to use.

Follow the instructions on the display by pressing "Software upgrade", then select the file "SwRelease_1-01.tar" and press "Update".

After the software update remove the USB stick and the coffee machine will re-start automatically showing the new software version.

TB:

SO #388 01/02/2010

SW Version V1.01 25/02/2010

Vocabulary V1.00

CB:

Boot Version V1.00

SW Version V1.00 17/02/2010

Protocol Version V1.00

In case you need further support, please do not hesitate to contact the Egro Customer Support.

TI 002 from 30.06.2010

Modifications on Egro ONE

Due to the improvement of the new machine Egro ONE there are a number of modifications which we like to inform you about.

1. Egro ONE SW Update

A new software version of the control board software is available. The version V1.01 with the release date of 24.02.10 from the control board software was tested and used in production from mid of April on.

Corrections were done on the configuration of the payment system, in the submission of the prices. The software used for certain products the prices of the product which was the last delivered one.

Machines from s/n 450308 on are equipped with this software.

a. Retrofit

There is no update of the software necessary. An update is only requested in configurations working with a payment system.

2. Safety valve

In the Egro ONE we started to use a new combined valve, which works as a safety valve and as the vacuum valve.

Unfortunately we had some valves, which are leaking.

To secure for you the functionality of the valve, we decided to use two valves as we have it with the other series and which is a proper working solution.

The two valves are mounted from s/n 450331 on.



Combined valve for Egro ONE



Solution with two valves

a. Retrofit

There is no retrofit of the combined valve necessary, but you are requested to check the machines in the field with the combined valve for leakages.

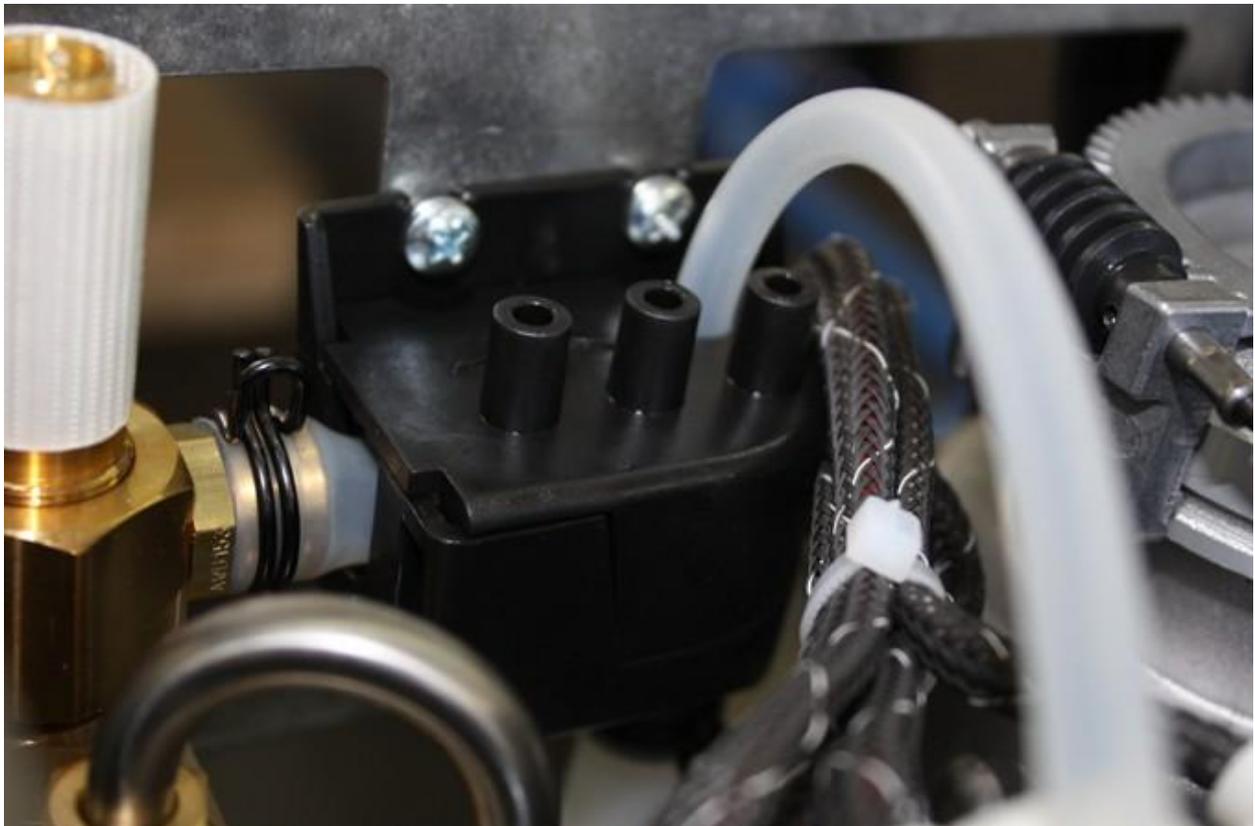
If there are some leakages in the area of the safety valve, please exchange the combined valve to a safety valve and a vacuum valve. The exchange is described in a separate document, which is available in the technical documentation area of the Egro ONE.

There is a retrofit-kit for the replacement available, which contains all parts and can be ordered with the ID-number 101093.001.

3. Third way drain cup

The third way drain cup was added to the machines, to reduce the number of tubes and junctions in the machines. This drain cup collects the condensate from the steam bar and the safety valve. With this solution we offer you a machine with better access to the interior.

The third way drain cup is used from s/n 450351 on.



Third way drain cup

a. Retrofit

There is no retrofit necessary and no retrofit-kit will be offered. The third way drain cup will be available in the spare part catalogue.

4. Spring for Grinder

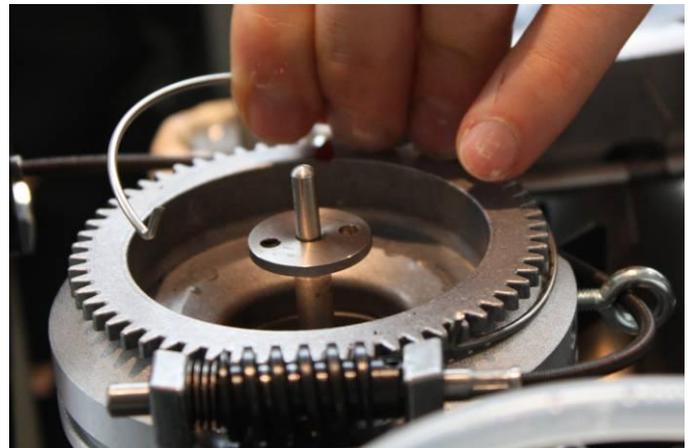
The grinders of the Egro ONE are adjustable from outside from the customer. But not everywhere it should be possible for the user to adjust the grinder in a wide range e.g. in self service zones.

For this kind of applications we add to the machines two springs in a sealed plastic bag, which can be mounted on the grinders, so it is possible to limit the range of adjustment.

To block the grinder there is a screw to block the adjustment wheel with it.



The springs have to be mounted as shown in the picture below to limit the grinder adjustment.



TI 003 from 23.07.2010

Software Release V1.02 for Egro ONE and other items

Due to the improvement of the software for the Egro ONE there are a number of modifications which we like to inform you about.

1. Egro ONE SW Update

For both types of machine, the Egro ONE Touch and the Egro ONE Keypad a new software version 1.02 with the release date of 24.6.2010 is available.

The following bugs are fixed:

- Counters: brewing cycles, water, lifetime/brewings, lifetime/type, lifetime/products working now properly.
- A break of 5 seconds between two preselected milk beverages was added to change the cups.
- All the brewing cycles are stopped now if the coffee is missing in a beverage with multiple brewing cycles (e.g. jugs).
- "Correction Time" setting now works for "Milk on Demand" as well.
- Graphical errors on both displays are fixed:
"Stop" button animation, "water" button function, brewing progress bar, product button blinking when deleting a queue and fixing of the names of some menu entry.
- Fixed inhibition of water products when W32 is present (steam boiler fill timeout).
- Heating of steam boiler is now disabled when in W32, to avoid the risk of overheating.
- Improved warnings and errors management – now it is possible to read the warnings when the machine is in "Machine not ready".
Furthermore the start-up procedure is not entirely stopped when a warning is present but it goes on by disabling the features involved in the warning.
- The visualization of piston errors was fixed.
- Fixed the machine blocking feature when requested cleanings are not done. It could happen that the message "Machine blocked" was on-screen but the machine was not blocked.
- Fixed the pistons test in diagnostic menu: the upper piston movement was inverted and the current position of the pistons showed in the diagnostic menu during the test (touch screen) was not accurate.
- Fixed the graphical calendar in the first start up procedure
- Fixed "Stop" button functionality when warning W07 is present.
- A set of 48 default products, their parameters, icons and positions for the touch screen and the keyboard was defined.

The following software modifications are made:

- "Milk rinsing" in the cleanings menu is now disabled when the cool box is installed.
- New time limits for 4-Tea products: hot water quantity is now limited to 40s.
- W34 warning time-out is now set to 30 minutes to avoid incorrect show-up.
- A restart of the touch screen is needed if the language is changed: this modification is necessary because switching between oriental languages causes some graphical font problems.
- New steam boiler filling strategy
- Cash system management: now the "register number" parameter can be selected in the range 0-98.
Every product can be set with a different register number and a different price, multiple products can have the same register number but they must have also the same price. Prices download is now requested also when only register number is changed.
- An USB-hard reset procedure was added. For further information please check the Technical Manual.

- Checksum for the software package: now the software upgrade procedure has a checksum check to verify the file integrity. On the USB key you need to have both software files *.tar and a *.md5 file. This file contains the checksum string of the software package.
- Italian and French on touch: from version 1.02 on Italian and French are included in the software.
- Spanish on keyboard: from version 1.02 on Spanish is included in the software.
- Now it is possible to work in CREDIT mode while using CSI protocol.

Machines from Egro s/n 450571 and from Rancilio PIN 33543-s/n 0112000119 on are equipped with this software.

a. Retrofit

The update of the machines is recommended.

Both software versions for the Egro ONE Touch and the Egro ONE Keypad are available for download on our homepage. If you download the software, please take care that the files are stored in the root of a USB-pen.

b. Compatibility

The software is compatible with the version 1.01.

2. Service booklet

The service booklet was reviewed and got some minor modifications on the title page and on the backside. Furthermore we added a column for the cycles in the pages of the break downs.

The new service booklet will be added to the machine in production. It is available for download on our web-page.

TI 004 from 27.08.2010

Video for Egro ONE Touch

The Egro ONE Touch offers the possibility to play videos on the screen. With this feature promotions for customer can be played, but also for technical training it can be used.

1. Video Format

The video format is MP4 with a number of parameters, which have to be adjusted.

2. Video Editing Software

To produce a suitable video for the display of the Egro ONE Touch it is necessary to use professional video editing software (e.g. Adobe Premiere). With such software several parameters can be adjusted.

The main parameters to create a video unloadable on the ONE Touch are:

- NO AUDIO in the video
- VERTICAL Format: 640X480 pixel
- Frame per Second: 25
- LEVEL: 3

3. Educational Video

A video that shows how to set up a new video with the right settings is available on the Egro home page. This video is not edited for the display of the ONE Touch!

4. Use of Video

Videos only run automatically, during the preparation of a beverage, if the ONE Touch is configured to be in the SELF-SERVICE MODE.

Obviously videos can be played any time in the ONE Touch going into the video menu.

TI 005 from 28.09.2010

OS updated for Egro ONE Touch

The touch screen of the Egro ONE Touch has its own operating system. The OS is responsible for the functions of the touch screen and is working in the background.

1. Operating system updated

Some displays showed a flickering of the screen while working, which runs as stripes over the screen. In the updated OS the flickering is fixed.

Machines from PIN 34915-s/n 12.000.222 on are equipped with this operating system.

2. Retrofit

We recommend updating the coffee machines with touch screen to the new version of the OS. If there is no problem with the display, you can do the update together with the next preventive maintenance.

3. Update of the OS

To upgrade the software follow the standard procedure, as described here:

You need to copy to the root of the USB stick the two files "Os_399.tar" and "Os_399.md5", which are in the ZIP for the download.

The download you find in the web shop on our home page.

Insert USB stick in the front panel and follow the instructions on the screen. Select "Software upgrade", choose the file "Os_399.tar" from the dropdown list and press "Update".

After the upgrade, remove the USB stick and the coffee machine will re-start automatically.

It is now showing the new operating system version:

TB
SO #399 20/07/2010

TI 006 from 15.02.2011

Software Release V2.00, Egro ONE Viewer and Vacuum valve

We like to inform you about the novelties we have for the Egro ONE.

1. Egro ONE Viewer

The Egro ONE Viewer is software which allows to VISUALIZE the content of a parameter file. Parameter files from both ONE Keypad (file extension *.par) and ONE Touch (file extension *.bck) are supported.

The use of the software is explained in the short manual which will be installed with the software; it is available in English, Italian and German.

You will find it after the installation under the program "Egro ONE Viewer".

a. What's in the PARAMETER FILE?

The parameter file carries all information on the setup of the machine, the products layout and setup, all counters, errors and warnings. It represents both the STATUS and the HISTORY of the machine. A detailed explanation of each parameter of the machine is given in the user manual and the technical manual of the Egro ONE.

b. Where to find the Egro ONE Viewer?

The "Egro ONE Viewer" is available on Egro Web Shop in the release 1.01.

To install the viewer, download the .exe file, double click on it and follow the instructions.

The manual is available for a separate download as well.

The software can be installed under Windows XP, Windows Vista and Windows 7

2. Software Version 2.00

A new software version for the Egro ONE is available, which can be downloaded from the Web shop of the Egro homepage.

The software includes modifications and bug fixes, which are listed below:

a. SW modifications

- Upgraded coffee boiler management – It is suggested to set the coffee boiler to a lower temperature, according to some brewing tests.
- The list "Cleaning Status" was moved to the "Cleanings" menu and can be read from every user.
- New parameter "Flashing Reminder" added to give a warning about daily cleanings. "Flashing Reminder" is a blinking of red and blue light for twenty seconds every minute when the daily cleaning warning is on the screen. This parameter could be turned OFF.
- Added "yyyy/mm/dd" setting in DATE MODE.
- New menu "Grinders" under "Counters/Maintenance" with the following parameters:
 - Left/Right grinder [kg]: shows the grinded coffee amount in kg for left/right grinder
 - Max kg left/right grinder: amount of coffee after which the grinder warning is shown
 - Last reset made left/right: last reset date and time for left and right grinders counters
 - Reset counters left/right: reset left/right grinder amount counter
- Warnings added "Change right/left grinder blades". If "Max Kg Right/Left Grinder" is set to 0 the warning won't show up.
- Chinese traditional and Japanese languages added on keyboard machines.
- Maintenance warning modified – The message is now "Perform the maintenance #xx" where xx is the maintenance ticket number, increasing every time.
- When configuring "Water" products on touch the icon is automatically modified according to "Hot water temperature" parameter.
- New "Exit" button added between "Back" and "Save" at the bottom of menu screens. This button takes you directly back to the product selection (home page).
- If there is a brewing in progress, "Time to home" is counted from the end of brewing.

b. The following bugs are fixed:

- If the machine was running out of coffee beans and the coffee powder warning showed up, it was possible that milk was dispensed from a coffee & milk product.
- In the payment systems if the customer removed the card right after selection no credit was deducted from the card.
- The correction time for the first milk product after start up
- The light system for the cleaning process during startup has been improved

- In the diagnostic menu the piston management is revised and the flow meter test is improved.
- Water shortage from the coffee boiler did not get the warning “W33 Time out coffee boiler” we had only the warning “W7Flowmeter interrupted”
- The following parameter have been overwritten when uploading backups: “Reduced Power”, “Module Type”, “iSteam” and “Factory settings”

c. Update of SW

We recommend to upgrade the software on the machines in the field.

To update the software on a ONE Keyboard:

- Copy “Sw_C2-00.mhx” and “ALLM2-00.msg” files on the root directory of a USB key
- Insert the USB key in the machine, select “Machine Software” and then the file “Sw_C2-00.mhx”
- When the upgrade procedure is over, the warning “Update Messages” will show up
- Select “Messages” without leaving the menu and select the file “ALLM2-00.msg”
- When this step is ready, leave the menu, remove the USB key and the machine will reboot.
- On the display you should see the new software version vV2.00 15/10/2010.

To update the software on a ONE Touch:

- Copy “SW_part1_C2-00_T2-00_M2-00.tar”, “SW_part1_C2-00_T2-00_M2-00.md5”, “SW_part2_C2-00_T2-00_M2-00.tar” and “SW_part2_C2-00_T2-00_M2-00.md5” on the root directory of a USB key
- Insert the USB key in the machine and wait for the “Load&Show” menu, select “Software upgrade”
- Select the file “SW_part1_C2-00_T2-00_M2-00” and start the update
- When the update is over you get a compatibility error.
Push “Back”, select “Software upgrade” again and then select the file “SW_part2_C2-00_T2-00_M2-00”
- When update is ready, leave the menu, remove the USB pen, the machine will reboot showing:
TB
SW Version V2.00 21/10/2010
CB:
SW Version V2.00 15/10/2010

3. Vacuum valve

A new vacuum valve will be used in the Egro ONE from October on.

The new vacuum valve is used for Rancilio machines quite a long time with a very good experience. This allows us to reduce the number of parts and to focus on the use of common items, wherever it makes sense.

For you this gives the benefit of less part to maintain in your stock.

Machines from SN F.n. 12000731 Pin 0000039833 on are equipped with the new vacuum valve.

A retrofit is not necessary. During a normal service, where the vacuum valve will be exchanged, it will automatically be replaced.

TI 007 from 15.02.2011

Software Release V2.01 for Egro ONE

We like to inform you about the new software release for the Egro ONE.

1. Software Version 2.01

A new software version for the Egro ONE is available, which can be downloaded from the Web shop of the Egro homepage.

The software includes modifications and bug fixes, which are listed below:

Attention: The new software release can only be installed on machines running with software V2.00. Machines with SW version 1.02 or below have first to be upgraded to version 2.00

a. SW modifications

- In programming mode the machine does not need to have credit to perform the brewing test.
- In the cash system mode "Coins & Smart Card" the machine offers now "Upload Value Card" and "Reset Value Card"
- The accounting of queued products is now one by one.

b. The following bugs are fixed:

- The machine was not operating when using only coins without inserted Smart Card.
- By rebooting the machine with inserted Smart Card, the credit value was doubled.
- Credit from coins was lost when using "Reset Value Card"
- By programming water products, the function "dose" was not able to interrupt.
- The brewing management with the function reselection is now more stable.
- The error lifetime counter will not reset after 32 errors.
- By performing brewing test, the product counters could increase by 255 instead of 1.

c. Update of SW

We recommend to upgrade the software only if the machine is operated with a coin checker and/or an Egro Card reader.

To update the software on a ONE Keyboard:

- Copy "Sw_C2-01.mhx" and on the root directory of a USB key
- Insert the USB key in the machine, select "Machine Software" and then the file "Sw_C2-01.mhx"
- When the upgrade procedure is ready, remove the USB key and the machine will reboot.
- On the display you should see the new software version V2.01 12/01/2011.

To update the software on a ONE Touch:

- Copy “SW_C2-01.tar”, and “SW_C2-01.md5”, on the root directory of a USB key
- Insert the USB key in the machine and wait for the “Load&Show” menu, select “Software upgrade”
- Select the file “SW_C2-01” and start the update
- When update is ready, leave the menu, remove the USB pen, the machine will reboot showing:
TB
SW Version V2.00 21/10/2010
CB:
SW Version V2.01 12/01/2011

TI 008 from 30.03.2011

New T22 and T30 valve

We like to inform you that since this month the T22 and the T 30 are modified in the Egro ONE.

1. The T 22 valves

The advantage of the new valve is its coating that will prevent from corrosion even under unfavourable water condition. Also the rubber sealing is modified to increase the live span. This new generation of valves will replace the previous valves and can be ordered as spare parts (see list below and on the web shop).

Attention: On machines, which are equipped with the old valves, you first have to exchange the whole operator kit and afterwards you can change only the plunger!

2. The T 30 valves

The advantage of the new valve is the rubber sealing which is modified to increase the live span. This new generation of valves will replace the previous valves and can be ordered as spare parts (see list below and on the web shop).

From SN: 0112001608 PIN 44323 all machines Egro ONE will be equipped with the new T22 and T30 valves.

T22 Valve for ONE			
Name		old ID Nr.	new ID Nr.
2 way plunger water	T22	054057	34049006
2 way Operator kit water	T22	054058	34049007
T30 Valve for ONE			
2 way plunger hot water	T30	054053	100560.005
2 way Operator kit hot water	T30	054054	100559.005
3 way plunger brewing valve	T30	054055	100149.005
3 way Operator kit brewing valve	T30	054056	100147.005
2 way plunger steam	T30	056439	100159.005
2 way Operator kit steam for hot water	T30	056441	100156.005
3 way plunger steam	T30	056233	100016.005
3 way Operator steam	T30	056440	100116.005

TI 009 from 26.04.2011

Modified bracket on the coffee spout and new guidance of pipes

We are pleased to inform that we modified the introduced in the production a modified bracket on the coffee spout and have a new guidance of the pipes protection.

1. The bracket from the coffee spout has been strengthened

The bracket from the coffee spout can get loose and breaks out of this. To avoid breaking, the fixing of the screws has been strengthened.



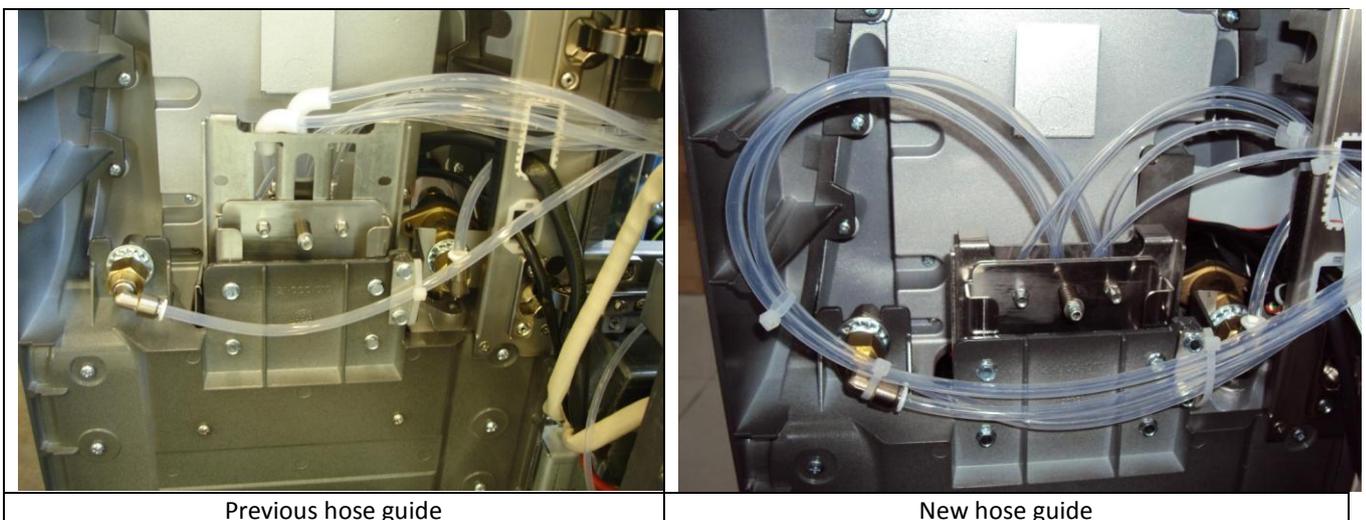
In case that the bracket gets is loose, you can replace it with the new one ID Nr. 10705711

From SN: 12001631 PIN 46055 all machines of Egro ONE will be equipped with the new bracket

2. The hose guide for the steam pipe was optimized

The hose guide of the steam pipes was optimized to avoid the pipes getting jammed or damaged. If requested you have the possibility to retrofit the new hose guide. There is no retrofit kit available.

From SN: 12001846 PIN 46687 all machines Egro ONE will be equipped with the new hose guidance protection



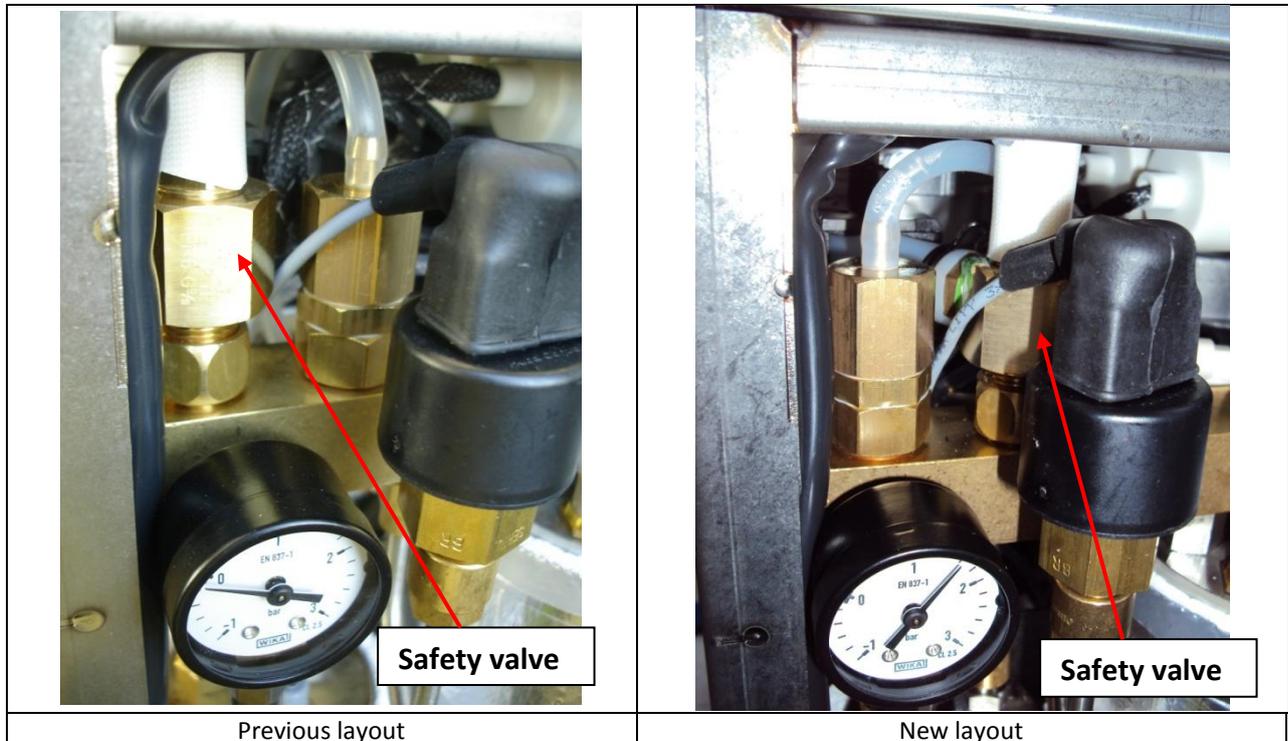
Previous hose guide

New hose guide

3. Safety valve and the vacuum valve reversed

To simplify the handling of the safety valve during the service, the safety valve and the vacuum valve on the manifold bar have been reversed.

From SN: 12001846 PIN 46687 all machines Egro ONE will be equipped with the new layout.



TI 010 from 12.01.2012

1. Unifying the side panels

The side panels for the coffee machine ONE, the fridge and the cup warmer have been unified. In future only 2 different side panels with and without holes will be available. The openings for the grinder adjustment are always present, if not used they will be closed with a plastic cover.

From SN: 12003200 PIN 58693 the Egro ONE will be equipped with the new side panels.

The part number has been changed as following:

ID Nr	Description
10705966	Side panel grey with cover
10705967	Side panel black with cover
10705968	Side panel grey with hole + cover
10705969	Side panel black with hole + cover
38120126	Cover

2. Fresh water hose with buildin check valve

The fresh water hose is equipped from now on with a build in check valve.

Machines of the Egro ONE from SN 0112002419 PIN 52540 on will be equipped with the new fresh water hose.



3. Cleaning products with unified packing

Egro and Rancilio will use in the future the same cleaning products; therefore the packaging has now both company logos.

The spare part numbers and quantities have been changed as follows:

Coffee cleaner:

ID No	Packing unit	New price	Price per box	Price up to now
00005990A	Carton with 12 boxes with each 100 tablets	105.48€	8.79€	
00005990B	Carton with 60 boxes with each 100 tablets	519.00€	8.65€	
00005990C	Pallet with 1440 boxes with each 100 tablets	16680.00€	8.34€	

Milk cleaner:

ID Nr	packing unit	price	price per bottle
60928.002	Carton with 12 bottles of 1 liter	62.00€	5.16€
60928.003	Pallet with 600 bottles of 1 liter	3024.00€	5.04€

 <p style="text-align: center;">Label coffee cleaner</p>	 <p style="text-align: center;">Label for milk cleaner</p>
---	---

TI 011 from 16.03.2012

1. Software Release V2.02 for Egro ONE Touch + Key Pad

A new software version 2.02 for the Egro ONE is available, which can be downloaded from the Web shop of the Egro homepage.

From SN: 12003624 PIN 63100 the Egro ONE will be equipped with the new software.

The following machine should be updated:

- Machine which have the warning W18/19, 22/23 short circuit relays milk pump
- Machine which are connected with a payment system ore cash register!

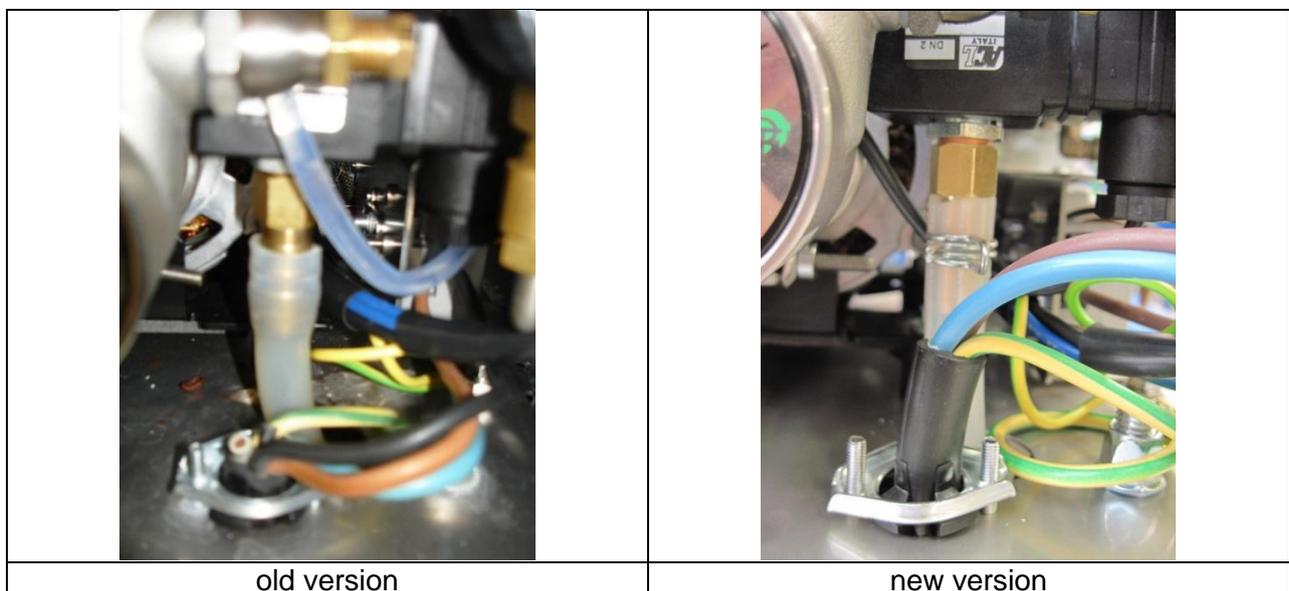
The following bugs have been solved:

- Warning W18/19, 22/23 short circuit relays milk pump and short circuit iSteam has been modified
- Warning W33 after cool down is solved
- Warning after flowmeter test in the diagnostic program is solved
- Products with price 0.00 are free of charge in cash system mode
- Various texts from errors and warnings have been modified

2. Introduction modified connector on the brewing valve from the coffee boiler

The modified connection at the brewing valve from the coffee boiler will simplify the job of connect and disconnect the pipe. The ID code will not change.

From SN: 0112003628 PIN 63192 the Egro ONE will be equipped with the new connector.



3. Introduction new piston shaft on the upper piston from the brewing group

The piston shaft from the upper piston of the brewing group is replaced by a harder material. The color is white instead of grey.

From SN: 0112003789 PIN 64175 the Egro ONE will be equipped with the piston shaft.
The ID Nr. 36930104

4. Introduction bean slider for bean hoppers

The new bean slider for bean hoppers which ensures a more even flow of coffee beans, even with the use of greasy beans! However the volume of the bean container will be reduced.

The new bean slider can be ordered as an option with the machine or as a retrofit kit.
Retrofit kit left ID 10705172
Retrofit kit right ID 10705173



TI 012 from 29.05.2012

1. Introduction new silent block on the water pump

The introduction of the new silent blocks on the water pump -with reduced shore hardness 30- will reduce the vibration and noise behaviour from the coffee machine in function.

From SN: 12004136 PIN 67648 the Egro ONE will be equipped with the new silent blocks.

The new silent blocks can be retrofitted ID Nr. 36322006

2. Introduction of new gasket on the heating element from the steam boiler

A new gasket made in a much more resistant and long lasting material, Garlock, has been introduced on the heating element of the steam boiler, in order to increase its lifetime.

The ID Code from Gasket has changed as following:
ID Code: 36201035

From SN: 12003833 PIN 65567 the Egro ONE will be equipped with the new gasket.

TI 013 from 22.06.2012

1. Software Release V3.02/01 for Egro ONE Touch + Key Pad

A new software version 3.02/01 for the Egro ONE is available, which can be downloaded from the Web shop of the Egro homepage.

The new software contains modification and some bugs have been solved. Details are listed below:

From SN: 12004320 PIN the Egro ONE Touch will be equipped with the new software V3.02 and the Egro ONE Key Pad from SN: 12004321 with the new software V3.01

a. SW modification on Key Pad + Touch version

- The adjustable step of “Grounds value” has changed from 0.1 to 0.05kg; the new basic setting is 0.35 kg.
- The “cleaning reminder” parameter in the cleaning menu allows moving the daily cleaning to be performed up to 2 hours before the cleaning time. Default value is OFF.
- A counter of the daily milk and coffee cleanings is added into the “Maintenance” and “Life counters” menu. The counter in the “Life counters” is not *resettable*.
- The basic setting of “Block machine” changed from OFF to ON.
- The menu “Cash system” (ON / OFF) (protected with manager password) is now available in the main menu.
- A new parameter “Flush steam boiler” parameter was added to the menu “Diagnostic/Tests/Heater Test” to cool down only the steam boiler
- If the fridge installation is activated, it will be recognized if a fridge is connected. All milk products will be blocked if the fridge is not correctly installed.
- Added a message “CLEAN THE FOAMER HEADS” to remind the foamer head cleaning, if a fridge is used. This message will be displayed after 7 daily cleanings.
- The Technical password can now be changed. In this case the standard password will not be active anymore. **Should the password get lost, you can apply for a recovery password at Egro customer support!**
- In the Manager menu it is possible to use the function “DOSE” coffee.
- Added a confirmation that the drawer was emptied (Did you empty the drawer?) when the front cover has been opened for more than 5 seconds.
- Changed the maximum value of “filter capacity” to 30000l. Changed the adjustable steps to 50l.
- Added a daily pop-up when the preventive maintenance or the softener regeneration must be performed. This pop-up will be displayed in case of switching off/on the machine.
- A new function is implemented which allows to select beans from both grinders. The parameter “Both grinders” is added in the menu Product settings folders about “coffee source” and “left time %” parameter into “setup/Grinders menu. The parameter “left time %” sets the working-time of left grinder compared to right, when both coffee sources are selected.
- The parameter “Serial Number” is added into the menu “Maintenance function”. The serial number will be added to the backup file if downloaded from the machine to the USB stick.
- Added a “First coffee” function to increase the coffee quantity if the last coffee has been delivered before more than 3 min. This is only for coffee type products with following settings: pulses ≤ 100 and ≤10 gr.
- The ability to access the “diagnostic” menu during the daily cleaning in case of errors was added.
- Added a new kind of milk rinsing with “pumps purge” (adjustable from 0 to 3 sec) that allows the rinsing of the milk circuit that it is not rinsed during the current milk rinsing. This new cycle will run every hour after the last milk rinsing until a milk product delivery.
- Added the ability to access of “diagnostic” menu in case of an E13 and E14 errors (Piston movement).
- Added a pause of 5 sec at the end of a “milk” or “coffee&milk” product, if there is a “powder” product in the queue.

b. SW modification only on Touch version

- If you inserted the USB pen after Installation of the new software on the Egro ONE Touch the manager or technician password is requested.
- The following information are added in the maintenance message (perform Maintenance) “Please Call” - Technician name – Company - Phone 1 - Phone 2 – „Technician Menu/Counter/Maintenance /Service Phone“
- Added the “Progress bar” during the control board software upgrade.
- A new function which counts and displays the brewing time during dose or test of coffee products.
- The Test function of the product is available also into Manager menu.
- Using “the copy function”: “name”, “type” and “register number” will not copied from a product to the other product.
- In the products configuration a short-cut menu is implemented to “product setup/grinders”.
- The icon Stop button is replaced by the word “Stop”.
- Brewing cycles and Filter capacity settings is added into first start up.
- Added the “Low power energy” in case of “Self Service” mode. If backlight is low the products will be activated after the first touch of the screen within 1 second.
- Added a “Powder Module” management for Egro ONE Touch version.
- Added a Touch calibration (protected with factory password)

c. The following software bugs are fixed:

- Fixed the milk on the demand bug: If the customer slide out with his finger (during product delivery) from the product button area and then released his finger the milk product will be stopped.)
- Fixed the bug of cold water delivery for more than 40 seconds.
- Added the drive of powder module fan during the water test procedure.

All machines should be updated!

Machine with software version V1.02 or older must first be updated to V2.00 before upgrading to V3.00

UPGRADE SOFTWARE ONE KEYPAD

To update the software on a keyboard machine follow these steps:

- copy “Sw_C3-01.mhx”, “ALLM3-00.MSG” on the root directory of a USB key
- insert the USB key in the machine , select “Machine Software” and select the file “Sw_C3-01.mhx”
- at the end select “Messages” and select the file “ALLM3-00.MSG”
- when the upgrade procedure is over, remove the USB key and the machine will reboot.

On the display you should see the new software version v3.01 07/06/2012.

UPGRADE SOFTWARE ONE TOUCH

To update the software and messages file on a touch machine follow these steps:

- check that the machine is updated to v2.00
- copy “Sw_C3-01_T3-02_M3-00.tar” and “Sw_C3-01_T3-02_M3-00.md5” on the root directory of a USB key
- insert the USB key in the machine and wait for the “Load&Show” screen to appear, then select “Software”
- “upgrade”
- when the update is over, leave the menu, remove the USB pen and the machine will reboot. It will show
“Update in progress, Do not shutdown the machine”

- After that it will display the software versions:
TB: SW version V3.02 08/06/2012 Vocabulary V3.00 CB: SW Version V3.01 07/06/2012
shop of the Egro homepage.
The new software contains modification and some bugs have been solved. Details are listed below:

From SN: 12004320 PIN the Egro ONE Touch will be equipped with the new software V3.02 and the Egro ONE Key Pad from SN: 12004321 with the new software V3.01

d. SW modification on Key Pad + Touch version

- The adjustable step of “Grounds value” has changed from 0.1 to 0.05kg; the new basic setting is 0.35 kg.
- The “cleaning reminder” parameter in the cleaning menu allows moving the daily cleaning to be performed up to 2 hours before the cleaning time. Default value is OFF.
- A counter of the daily milk and coffee cleanings is added into the “Maintenance” and “Life counters” menu. The counter in the “Life counters” is not *resettable*.
- The basic setting of “Block machine” changed from OFF to ON.
- The menu “Cash system” (ON / OFF) (protected with manager password) is now available in the main menu.
- A new parameter “Flush steam boiler” parameter was added to the menu “Diagnostic/Tests/Heater Test” to cool down only the steam boiler
- If the fridge installation is activated, it will be recognized if a fridge is connected. All milk products will be blocked if the fridge is not correctly installed.
- Added a message “CLEAN THE FOAMER HEADS” to remind the foamer head cleaning, if a fridge is used. This message will be displayed after 7 daily cleanings.
- The Technical password can now be changed. In this case the standard password will not be active anymore. **Should the password get lost, you can apply for a recovery password at Egro customer support!**
- In the Manager menu it is possible to use the function “DOSE” coffee.
- Added a confirmation that the drawer was emptied (Did you empty the drawer?) when the front cover has been opened for more than 5 seconds.
- Changed the maximum value of “filter capacity” to 30000l. Changed the adjustable steps to 50l.
- Added a daily pop-up when the preventive maintenance or the softener regeneration must be performed. This pop-up will be displayed in case of switching off/on the machine.
- A new function is implemented which allows to select beans from both grinders. The parameter “Both grinders” is added in the menu Product settings folders about “coffee source” and “left time %” parameter into “setup/Grinders menu. The parameter “left time %” sets the working-time of left grinder compared to right, when both coffee sources are selected.
- The parameter “Serial Number” is added into the menu “Maintenance function”. The serial number will be added to the backup file if downloaded from the machine to the USB stick.
- Added a “First coffee” function to increase the coffee quantity if the last coffee has been delivered before more than 3 min. This is only for coffee type products with following settings: pulses ≤ 100 and ≤ 10 gr.
- The ability to access the “diagnostic” menu during the daily cleaning in case of errors was added.
- Added a new kind of milk rinsing with “pumps purge” (adjustable from 0 to 3 sec) that allows the rinsing of the milk circuit that it is not rinsed during the current milk rinsing. This new cycle will run every hour after the last milk rinsing until a milk product delivery.
- Added the ability to access of “diagnostic” menu in case of an E13 and E14 errors (Piston movement).
- Added a pause of 5 sec at the end of a “milk” or “coffee&milk” product, if there is a “powder” product in the queue.

e. SW modification only on Touch version

- If you inserted the USB pen after Installation of the new software on the Egro ONE Touch the manager or technician password is requested.
- The following information are added in the maintenance message (perform Maintenance) “Please Call” - Technician name – Company - Phone 1 - Phone 2 – „Technician Menu/Counter/Maintenance /Service Phone“
- Added the “Progress bar” during the control board software upgrade.
- A new function which counts and displays the brewing time during dose or test of coffee products.
- The Test function of the product is available also into Manager menu.
- Using “the copy function”: “name”, “type” and “register number” will not copied from a product to the other product.
- In the products configuration a short-cut menu is implemented to “product setup/grinders”.
- The icon Stop button is replaced by the word “Stop”.
- Brewing cycles and Filter capacity settings is added into first start up.
- Added the “Low power energy” in case of “Self Service” mode. If backlight is low the products will be activated after the first touch of the screen within 1 second.
- Added a “Powder Module” management for Egro ONE Touch version.
- Added a Touch calibration (protected with factory password)

f. The following software bugs are fixed:

- Fixed the milk on the demand bug: If the customer slide out with his finger (during product delivery) from the product button area and then released his finger the milk product will be stopped.)
- Fixed the bug of cold water delivery for more than 40 seconds.
- Added the drive of powder module fan during the water test procedure.

All machines should be updated!

Machine with software version V1.02 or older must first be updated to V2.00 before upgrading to V3.00

UPGRADE SOFTWARE ONE KEYPAD

To update the software on a keyboard machine follow these steps:

- copy “Sw_C3-01.mhx”, “ALLM3-00.MSG” on the root directory of a USB key
- insert the USB key in the machine , select “Machine Software” and select the file “Sw_C3-01.mhx”
- at the end select “Messages” and select the file “ALLM3-00.MSG”
- when the upgrade procedure is over, remove the USB key and the machine will reboot.

On the display you should see the new software version v3.01 07/06/2012.

UPGRADE SOFTWARE ONE TOUCH

To update the software and messages file on a touch machine follow these steps:

- check that the machine is updated to v2.00
- copy “Sw_C3-01_T3-02_M3-00.tar” and “Sw_C3-01_T3-02_M3-00.md5” on the root directory of a USB key
- insert the USB key in the machine and wait for the “Load&Show” screen to appear, then select “Software”
- “upgrade”
- when the update is over, leave the menu, remove the USB pen and the machine will reboot. It will show “Update in progress, Do not shutdown the machine”
- After that it will display the software versions:
TB: SW version V3.02 08/06/2012 Vocabulary V3.00 CB: SW Version V3.01 07/06/2012

TI 014 from 31.07.2012

1. New Software ONE V3.03 for Egro ONE Touch

The software V3.02 (only Touch) had the following bug:

In operation it's possible, that the main menu was not accessible anymore, without restarting the machine.

This bug is fixed!

The new software is available on the Webshop under www.egrocoffee.com and can be downloaded.

The software of the Egro ONE Keypad (V3.01) is not affected!

Important notice: Software V3.00 and higher cannot be downgraded

Upgrade the SW according to the technical manual.

2. New software ONE Layout for Touch and Keypad

Egro ONE Layout is a software which gives the possibility to create a parameter file on the PC, for the Egro ONE Touch and Keypad. This file can be uploaded onto the machine. At the same time it is possible to create a product-label as PDF for Egro ONE Keypad which can be printed on every color printer.

The new software is available on the Webshop under www.egrocoffee.com and can be downloaded.

3. The bracket from the coffee spout was revised again

The bracket from the coffee spout was revised again

	
<p>The bracket was revised on the marked points</p>	<p>From production date 07/12 on the bracket is modified</p>

If the bracket is loose, replace it with the new bracket (ID Nr. 1075711)

TI 015 from 04.03.2013

New spindle motor and new expansions valve

We would like to inform you about the following modification on the coffee machine.

1. New spindle motor (L61)

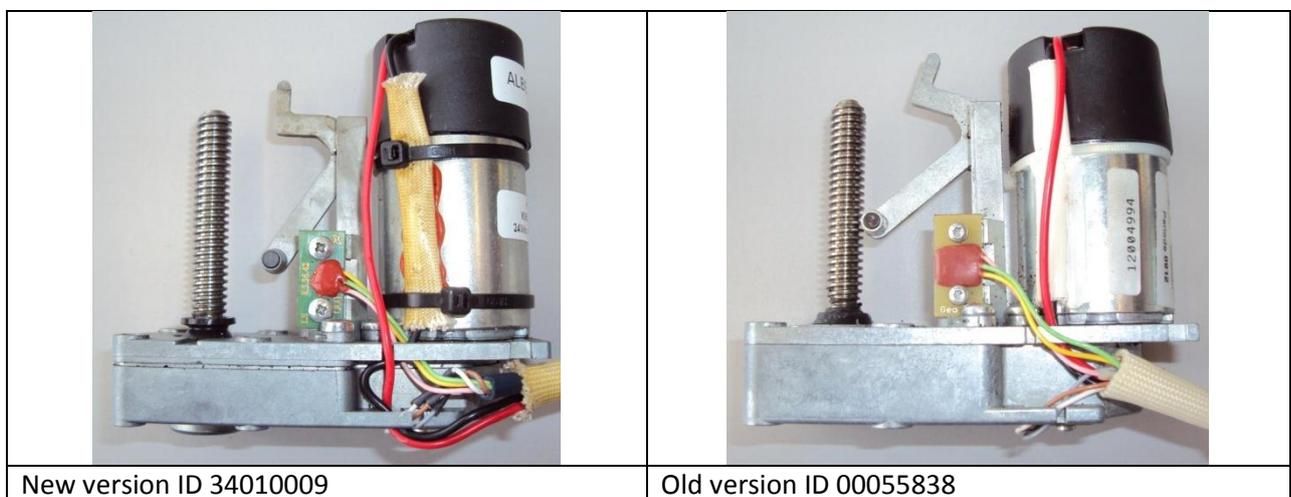
The new spindle motor is less noisy and has an optimized guidance for the spindle.

Due to the new spindle guidance the gearbox housing has changed. For this reason the spindle motor has a new mounting plate.

Machines from serial nr FN 12005659 pin 83930 are equipped with the new spindle motors.

In case of failure of the spindle motor (L61) must be replaced with the same typ.

Spindle motor L61 ID Code 34010009



2. New expansions valve

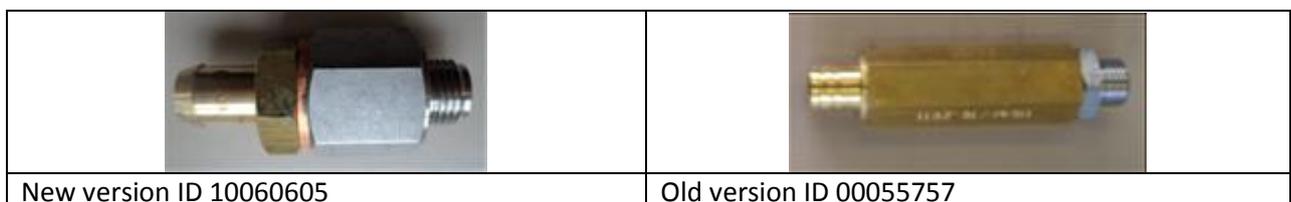
Since November 2012 a new expansion valve is used.

The new expansion valve is already used quite a while in Rancilio machines with success. This reduces the number of used parts and on top it is less expensive.

Machines from serial nr FN 12004929 are equipped with the new expansion valve.

If you retrofit the new valve, take attention that the draining pipe (00004475) can be too short.

ID Code 10060605 expansion valve - replace ID Code 00055757



TI 016 from 06.05.2013

New software

We inform you about the software modification on the Egro ONE

1. New Control board Software ONE V 3.03 (Basic Software)

Following software bugs were fixed:

- W55 Connection problem between fridge and control board solved.
- The reset from the Drawer counter is now operating correctly.
- "Foamer Head cleaning" message disappears after confirmation.
- Product Type: Milk on Demand will be now counted as Type: Milk
- Automatic reset of maintenance counter in case of changing the values "max. cycles number" or "max. cycles time" solved.
- Hourly milk rinsing in case of "check water tank" message now blocked
- If the "Foamer Head cleaning" message appears, the correct LED is lightning (only Keypad).

Software Modifikation

- The warning W27 „Temperature sensor Coffee boiler interrupted“ will displayed if the signal is interrupted for more than 10 seconds.
- If the value coffee ground is set at 0 kg, the machine will not ask to empty the coffee drawer.
- With the opening from the Drawer door all started product will be canceled and rinsing interrupt.
- The Daily cleaning is finished when the message "please, empty drawer" is displayed and the daily cleaning cycles is considered as correctly performed. Machine can switch off now.
- In case that the upper piston can't close the brewing chamber to reach the brewing position, the machine will try again (max. 2 times). After that it will display E13.
- W32 "Timeout Steam Boiler filling" management improved.
- New name of the backup file for keypad version xxxxxxBK.par

2. New Touch Board Software V3.04 (since September 2012)

Following software bugs were fixed:

- In case of "Maintenance" and/or "Water softener" pop-up displayed together with "perform daily cleaning" the access to main menu was blocked. This error is solved.
- Wrong message in the Error list are corrected.

All machines must be updated!

This new software can be downloaded in the "Technical Documents" Area on www.ranciliogroup-customersupport.com

Important notice: Software V3.00 and higher cannot be downgraded

Machines with software Version V1.02 or older must be updated first to V 2.00, before you can upgrade to V3.0x.

Upgrade the SW according to the technical manual.

Display Message during Start-up after Upgrade

Keypad:

V3.03 05/04/2013

Touch:

TB: SW version V3.04 12/09/2012

Vocabulary V3.01

CB: SW Version V3.03 05/04/2013

3. Information about a additional milk cleaner

We would like to inform you that you can order the new Acid milk cleaner.

The traditional Milk cleaner we have is a Alkaline milk cleaner which is designed to remove the fat in the milk system.

The new Acid milk cleaner is designed to remove the calcium deposit in the milk system.

The Milk in the various countries can varied in the composition.

Because of that we can get calcium deposit on different spots in the milk system. In this case we propose the use of Acid cleaner.

Proposal for possible use:

The Acid cleaner can be used in combination with the traditional Alkaline cleaner.

For the daily cleaning 6 times the Alkaline milk cleaner and once a week the Acid cleaner

	
<p>ID code 69000383</p>	<p>New cleaner ID code 69000400</p>

TI 017 from 30.07.2013

New coffee boiler and software

We are pleased to inform you, that the following modification has been introduced in the production

1. New coffee boiler with 2.5 kW heater

The new coffee boiler has a internal heating element. Because of that the power consumption could be reduced from 3.0 kW to 2.5 kW with the same performance. In addition, the water volume was increased by 40%.

The brewing valve and the bypass valve was adapted to the new boiler.

The software was adapted and contains a new parameter. It will be adjusted in production.

➡ Machine setup: ➡ Boiler Type: ➡ 2.5 kW.

Machines from serial no. FN 12006558 Pin 92434 on are equipped with the new coffee boiler.

It's not possible to upgrade an old coffee machine with the new boiler because the frame has been modified.



2. New Software ONE V3.05 for (Touch + Key pad)

Software Modification:

- New parameter added for the heating management of the new coffee boiler
- The backup-file contains now the software version of the coffee machine.

The new software can be downloaded in the document area on www.ranciliogroup-customersupport.com

Important notice: Software V3.00 and higher cannot be downgraded

Machines with software Version V1.02 or older must be updated first to V 2.00, before you can upgrade to V3.0x.

Please upgrade the SW according to the technical manual.

The following version will be shown after the upgrade on the display or on the screen of the Touch.

Keypad:

CB: SW Version: V3.05 30/05/2013

Touch:

TB: SW Version: V3.05 03/06/2013

Vocabular V3.01

CB: SW Version: V3.05 30/05/2013

3. New ONE with 13A

From September on ONE will be available as a 13A version. Dies version will have a coffee boiler and steam boiler with a 2.5kW heating element.

4. New ONE Viewer 3.02

From September on a new version from the ONE Viewer 3.02 is available and can be downloaded in the document area on www.ranciliogroup-customersupport.com.

TI 018 from 08.11.2013

New Restrictor Ring for Milk systems

We are pleased to inform you about the launch of the new restrictor ring and the new sucking nozzle.

1. New restrictor ring

The current restrictor ring will be replaced.

ID Nr. 00100213.001 will be replaced by ID Nr. 38120127 (white) with restrictors from 0,3 – 1,0mm.

The new restrictor ring is available under ID Nr. 38120128 (black) with restrictors from 1,0 – 2,0mm.

2. The sucking nozzle will be replaced.

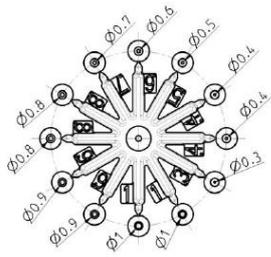
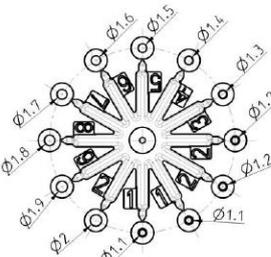
ID Nr. 00054449 Ø 1,6mm will be replaced by ID Nr. 10700005

ID Nr. 00048487 Ø 2.0 mm will be replaced by ID Nr. 10700005

The new sucking nozzle is designed to use the black restrictions from the restriction ring ID Nr. 38120128.

This gives the possibility to customize the desired milk temperature on the Quick Milk version.

It is as follows: restrictions with a big hole increase the flow rate and reduce the milk temperature.
restrictions with a small hole reduce the flow rate and increase the milk temperature.

			
<p>Restriction ring 0,3 – 1,0mm ID Nr. 38120127</p>	<p>Restriction ring 1,1 – 2,0mm ID Nr. 38120128</p>	<p>Sucking nozzle ID Nr. 38120128</p>	<p>Sucking nozzle ID Nr. 10700005</p>

Inside Ø	length	Inside Ø	length
0,3 mm	4,0 mm	1,1 mm	4,0 mm
0,4 mm	4,3 mm	1,2 mm	4,2 mm
0,5 mm	4,6 mm	1,3 mm	4,4 mm
0,6 mm	4,9 mm	1,4 mm	4,6 mm
0,7 mm	5,2 mm	1,5 mm	4,8 mm
0,8 mm	5,5 mm	1,6 mm	5,0 mm
0,9 mm	5,8 mm	1,7 mm	5,2 mm
1,0 mm	6,0 mm	1,8mm	5,4 mm
		1,9 mm	5,6 mm
		2,0 mm	6,0 mm