



**IM8 CONTROLLED WASHING MACHINES:
UPDATING WITH RELEASE 2.29 AND NEXT**

**WASHING MACHINES MODEL "LM/RC"
UP TO SERIAL NUMBER: L201309044**

**"TANDEM" WASHING MACHINES
UP TO SERIAL NUMBER: T201309001**



IMESA S.p.A.
Via degli Olmi 22
31040 Cessalto (TV), Italia
tel. +39.0421.468011
fax +39.0421.468000
www.imesa.it

INDEX:

1. INTRODUCTION	2
2. SAFETY RULES	3
3. MANUFACTURER LIABILITY	4
4. "METEOR 1.0" MOTORIZED DOOR LOCK UPDATING KIT	4
5. DOOR RETAINER SPRING SETTING	6
6. DOOR REGULATION AND ALIGNMENT	7
7. DOOR LOCK METEOR 1.0 MANUAL OPENING	8
8. INVERTER SAFETY CONTACT UPDATING..	8
9. INVERTER'S COMUNICATION PARAMETERS UPDATING.....	9
10. IM8 CONTROL CARD UPDATE.....	9
11. DOWNLOAD WASHING PROGRAMS FROM MACHINE --> USB	10
12. LINUX KERNEL 1450 UPGRADE	10
13. GETTING STARTED FOR A CORRECT SOFTWARE UPDATE	11
14. IM8 SOFTWARE UPDATING	11
15. AGGIORNAMENTO LINGUE	13
16. INVERTER PARAMETERS GENERAL UPDATING	13
17. PRESET MACHINE UPDATE.....	14
18. BLOCKS UPDATE (WASHING CYCLES) ..	14
19. IMAGES UPDATE.....	15
20. PRESET DATA	15
21. UPLOAD WASHING PROGRAMS USB --> MACHINE	16
22. UPDATING COMUNICATION FORM.....	17

1. INTRODUCTION

The following manual describes all the operation to do for a correct upgrade of your IM8 equipped machine (model LM, RC, or TANDEM)

The adjustments are not always necessary, but allow you to upgrade the machine to the latest version available at IMESA SPA in March 2013.

The available updating need to match with the real necessity of the machine to

be updated, this necessity depend on the washing machine serial number. To make easier the identification of the washing machines to be updated, each paragraph is reporting a validity field.

The updating must be made following the here described procedure which allows to benefit from each recent software version and to consider some updating kit for mechanical parts:

IM8 UPDATE PROCESS:

- i. DOOR LOCK AND PVC COVER UPDATING (only with METEOR 1.0 door lock);
- ii. DOOR PINS LENGTH CONTROL (only with METEOR 1.0 door lock);;
- iii. DOOR BUSH RETAINER SPRING SETTING (only with METEOR 1.0 door lock);;
- iv. DOOR ALIGNEMENT CONTROL AND ADJUSTMENT (only with METEOR 1.0 door lock);
- v. INVERTER SAFETY CONTACT UPDATE (for washing machine with serial number before L201202XXX, before February 2012);
- vi. UPDATE COMUNICATION PARAMETERS FOR INVERTER (only if IM8 software release is older than 1.82);
- vii. MACHINE PROGRAMS DOWNLOAD (IF PROGRAMS ARE CUSTOMIZE);
- viii. TAKE NOTE ABOUT THE DOOR LOCK SETTINGS PARAMETERS (only with METEOR 1.0 door lock);
- ix. LINUX KERNELL UPDATING;
- x. IM8 SOFTWARE UPDATING;
- xi. PRESET FROM USB (see chapter 14);
- xii. DATA PRESET (selecting the proper machine);
- xiii. DOOR LOCK PARAMETERS SETTING USING THE DOOR MENU (the standard parameters are related to METEOR 3.0 door lock, if METEOR 1.0 is installed please use the parameters noted at the point viii).
- xiv. HEATING SYSTEM SETTING (HOT WATER – ELECTRIC/STEAM)
- xv. MACHINE PROGRAMS UPLOAD IF CUSTOMIZED (see point vii) AND MOTOR SETTING.
- xvi. IN CASE OF COIN OP MACHINE, SELECT THE CORRECT PAYMENT SYSTEM.

When the updating is done, IMESA After Sales dept. needs to be informed using the here attached form (see at the end of the present document).

This document is written in compliance with the communitarian laws in force and it is addressed to the service technician, who must be sure to fully understand it, before to install the kit on the machine.

This instructions must always be available for consultancy. In case it should be lost or damaged, a new copy

must be requested to the manufacturer. Manufacturer is not responsible for any consequence caused by a not correct kit installation or caused by the not complete reading of this document or caused by a not careful reading.

The manufacturer reserves itself the right to modify the here described kit characteristics.

The picture of this documents may defer from reality because of some particular which could have been changed.

Diagram and technical data may be changed without any notice.

Manual and attachment are part themselves of the installation kit, therefore they must be stored near the machine and they must follow the machine if it is sold.

2. SAFETY RULES

Not respecting the following safety rules may cause damages to people, things or animals.

Installation and maintenance of the here described kit must be performed only by authorized personnel who knows and respect the European rules in matter of industrial machines installation and service.

The here described washing machines are addressed to the professional washing of linen and garments: any other use is forbidden, if not authorized in written by the manufacturer.

It is forbidden to wash linen soak in poisons, cancerous products or any other substance dangerous for the operators health.

Do not approach the machine with inflammable or combustible products to avoid risks of explosion or burns.

Always stick to the washing instructions written on garments/linen.

It is forbidden the machine use for person younger then16 years.

External supplementary connection to the machines release the manufacturer from any responsibility if the not perfectly performed.



ELECTROCUTION DANGER
Any service on machine electric parts must be operated only by qualified personnel and after that any electrical supply to the machine has been cut. Power and control circuits can be modified only by manufacturer personnel, otherwise the warranty would expire immediately.



ATTENTION!
Even if the main switch is in position "0", cables before it receive tension!



OPERATOR PSYCHO-PHYSICAL CONDITION

The machine user must be in perfect psychophysical condition; while working assume always a vertical position in front of the machine.

Sudden and not controlled movement must be avoided, for example when the linen is introduced or taken out, in order to avoid dangerous impact against the machine.

In case other users or other people is present, this must not be source of distraction for the operator working on the machine.

While the user is working on the machine, he must not be distracted by TV, radio, etc. or being subject to any other source of distraction.



ATTENTION!
 These instructions do not cover all possible risks. User must always pay high attention and respect carefully the rules.

3. MANUFACTURER LIABILITY

The instructions written in this manual are not replacing, but completing the duties deriving from the safety and accident prevention laws.

With reference to what is written in this manual, the manufacture is not responsible for:

- a use of the machine against the safety and accident prevention laws in force.
- Not correct machine installation;
- Missing of a ordinary and programmed maintenance;
- Missing or not respect of the instruction written in the manual;
- Tension or supply defects;
- Not authorized modification to the machine.
- Use of the machine by not authorized people;
- Not correct execution of the upgrades here described.

4. "METEOR 1.0" MOTORIZED DOOR LOCK UPDATING KIT

The below described door lock is installed on all the over 14 Kg washing machines.

The door lock updating is requested when the here below listed anomalies are verified, even if the indication written in the distributor manual (see a free copy on www.imesa.it) are respected:

- Door opening or closing difficulties.
- Door opening WDT or Zero motor WDT alarms are displayed.

The updating kit is composed by the following parts:

ITEM	DESCRIPTION	Q.TY
K2110804X_01	KIT FOR IM8 MOTORIZED DOOR LOCK UPGRADE (FOR SERIAL NUMBER BEFORE L201204032)	1
4110201X	IM8 MOTORIZED DOOR LOCK COVER (FOR SERIAL NUMBER BEFORE L201107094)	1

2100342A	LONG PIN FOR DOOR PRESENCE SIGNAL LM14/23 IM8 (FOR SERIAL NUMBER BEFORE L201105057)	1
2100237A	SHORT PIN FOR DOOR CLOSE SIGNAL LM14/23 IM8 (FOR SERIAL NUMBER BEFORE L201105057)	1

If the door lock bearings ensemble is too much retracted or forwarded (look to the next pictures), the door could not be closed or opened easily.



The opening/closing difficulties may depend, also, from a bearing blocked by spring lacks (see next pictures):



Both the two problems can be solved installing a KIT FOR IM8 MOTORIZED DOOR LOCK UPGRADE, as shown here below:



To place the kit, follow the below indications:

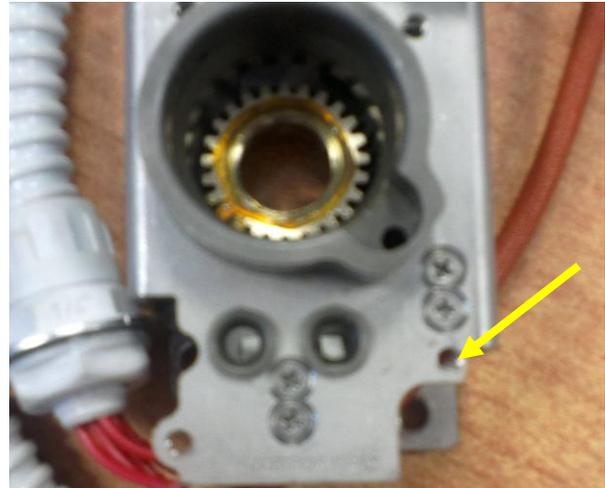
- a) Remove the plastic door lock cover.
- b) Touch the MENU icon, select PARAMETER and digit the password "222222".
- c) Enter in the menu "OUTPUT TEST"
- d) Touch the key "MOTINV" until the original bearing block is completely extracted.
- e) Install the new KIT FOR IM8 MOTORIZED DOOR LOCK UPGRADE and select the key "MOTAV" to introduce the kit inside the door lock. Pay attention to the adjunct, it must be enter exactly inside it place.
- f) Keep the key "MOTAV" pressed until the KIT FOR IM8 MOTORIZED DOOR LOCK UPGRADE is in line with the doorlock profile (see the below pictures).



- g) Install the original plastic cover; in case the serial number is

before L201107094 the plastic cover need to be replaced.

- h) It is possible a new hole on the right bottom corner of the cover is necessary. In this case use a 3.5mm drill and threat it with a M4 male.



- i) Exit the "OUTPUT TEST" menu using the key "HOME" and enter in the "DOOR MENU" parameter.
- j) Set the following time as explained below:

-	WDT DOOR CLOSED	25,0 sec
-	ADVANCE AFTER DOOR CLOSED	2.0 sec.
-	WDT ZERO MOTOR	25,0 sec.
-	WDT DOOR OPENED	7,0 sec (*)
-	ADVANCE AFTER DOOR OPENED	0,1 sec (**)
-	DISABLE BEEP	NO

(*) it is available only after the 1.82 or later version if PRESET DATA has been executed. (see paragraphes 8 and 9).

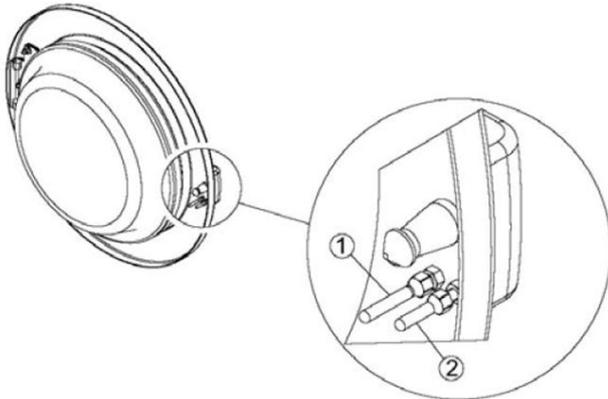
(**) it is possosible set a longer time due to the final alignment of the cursor respect to the outer surface of the door lock.



ATTENTION!

The "DATA PRESET" restores the programs default values and parametes. If the programs were personalized, it is suggested to keep a backup copy (see paragraphe 8 point a) and b)).

- k) The door's microswitch pins must be regulated as explained later, in case the machine serial number is before L201105057 the pins must be replaced:



- 1) 43 mm from the inside door surface
2) 36 mm from the inside door surface (***)

(**): if a light water loss between the door gasket and the outer drum should be noted, the shorter pin must be brought to 34mm.

- m) Start some washing programs and immediately stop them in order to check the door easy opening and closing.

5. DOOR RETAINER SPRING SETTING

If the door is still difficult to be closed, but the IM8 door lock kit was installed and the door regulation and alignment was made, then the bearing stop spring need to be loosen.

- a) Remove the PVC cover and extract the IM8 updating kit entering the OUTPUT TEST menu under the technical area and using the key MOTIN until the bush. See instruction on the paragraph 4.d.
- b) Using a screwdriver make the spring jump over its seat and push it against the thread.



- c) Extract the spring and spaces the two extremities of 1-2 millimeters.



ATTENTION!

If the stop spring is not used, the bearings are not constrained, so they could fall.

Before to remove the stop spring, put a terry towel or a bowl under the door.

- d) Put again the bearings in her seat and the spring in its original position, it means near the front edge (see the next picture).



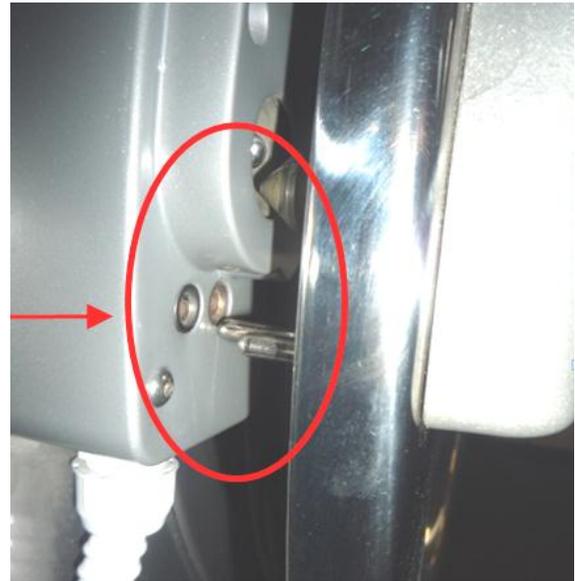
- e) Enter the OUTPUT TEST menu and then the function MOTAV to bring the bush inside the doorlock. (see instruction at point f paragraph 4).
- f) Close the door to check if the main pin stay blocked inside the bearing. If the door is not staying closed, repeat the above described operation, closing the spring.

6. DOOR REGULATION AND ALIGNMENT

The door regulation is necessary when the pins are not entering inside the endswitch holes.

This situation could prejudice the plastic cover structure and the pins life length.

The not perfect alignment between the door and the lock causes difficulties in the door closing (see next picture):



To do it, proceed as described in the next points:

- a) Loosen the three bolts which are fixing the dorro to the hinge.

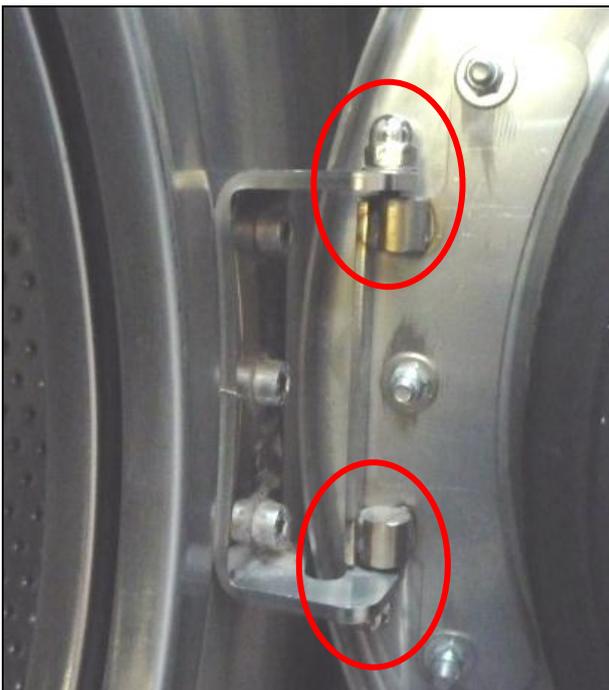


- b) Close the door until the main pin enters in the bush.
- c) Enter into the "CHARGES TEST" menu as explained at point 4.b and 4.c.
- d) Press the key MOTAV so the main pin is blocked inside the door lock (the door stays closed).
- e) Close the three bolts on the door hinge.
- f) Open again the door using the key "MOTIN" (do not keep the key pressed for a too much long time: the bearing holder bush may damage the plastic cover).
- g) Check the new pin alignment in respect of the door lock holes.

The correct alignment is shown in the next picture.

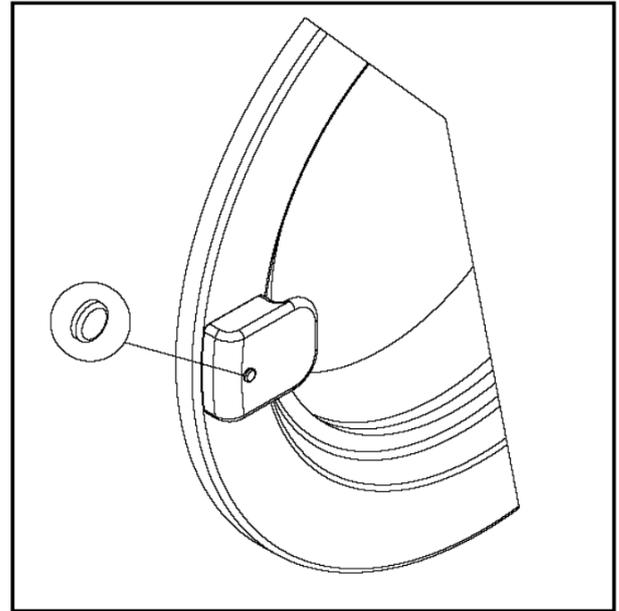


- h) If the alignment is still not correct, than the two dowels of the door hinge must be regulated (before remove the nuts).



7. DOOR LOCK METEOR 1.0 MANUAL OPENING

Remove the black tap which is present in the middle of the handle. By using an Allen key size 4 mm, rotate clockwise until the complete opening of the door.



WARNING!

Before to re-apply the power supply, be sure all the safety device have been restored in the original position.

8. INVERTER SAFETY CONTACT UPDATING

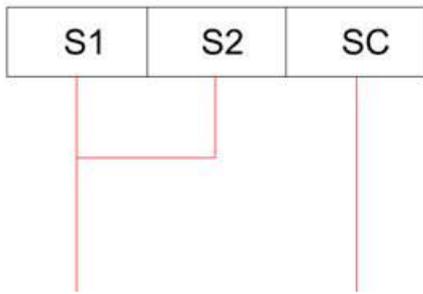
The new safety contact wiring can be realized on all the inverters of the machines produced until January 2012.

Starting from February 2012, the terminals S1 – S2 – SC are wired differently.

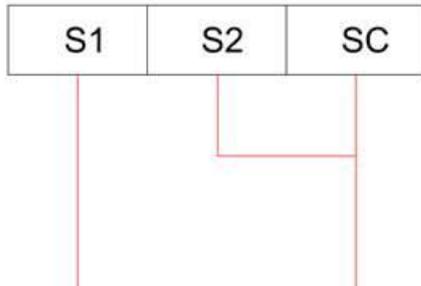
The wiring can be updated to the actual version just following the below procedure:

- Cut the supply to the machine using the main switch and wait for 30 seconds.
- Open the inverter box cover on the machine back.
 - When the inverter is completely off, remove the plastic cover to accede to the terminals.
 - Update the wiring as explained below:

Until January 2012:



From February 2012:



WARNING!

On SELF SERVICE machines the wiring described above is replaced by a bridge that connects the three terminals. On these machines, because no emergency button is present, the change is not performed.

9. INVERTER'S COMMUNICATION PARAMETERS UPDATING

This parameter updating is necessary in case of software version 1.82 (see paragraphe 8).

Previous software versions do not require this updating.

- a) Switch off the machine using the main switch and wait for 30 seconds.
- b) Open the inverter box cover on the machine back.
- c) Switch on the machine and wait for the inverter light on.
- d) Do not open the plastic cover and do not access to the power board.
- e) The display shows "0.00", press the "MODE" key one time, it will appear "P0".
- f) Turn the knob and find out the parameters described in the next table.

- g) Press SET once to modify the value as described below;
- h) Press SET three times to confirm the new value.

PARAMETRO	VALORE
P67	0
P68	1.0
P118	384

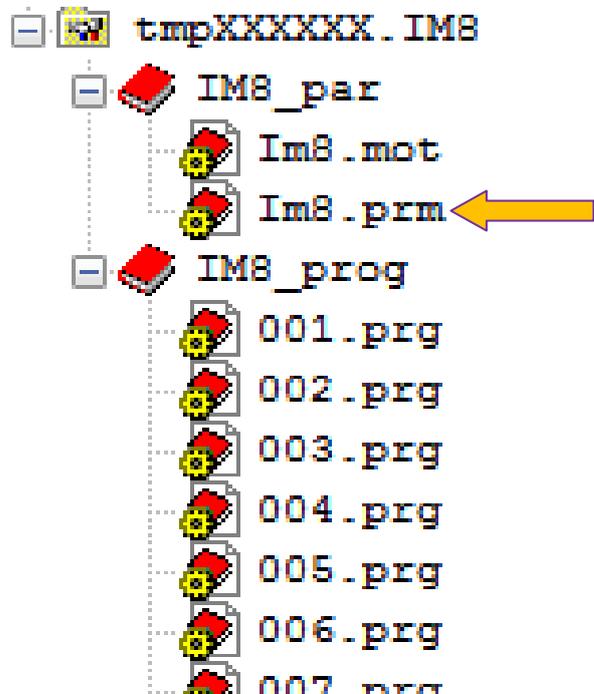
10. IM8 CONTROL CARD UPDATE

From version 2.29 and later, the update operation also provides the transfer of the machine parameters.

This means that each IM8 control card unit that is going to be updated, become customized for one, and only one, machine model.

Henceforth an updated IM8 programmed for LM11 model, can't be used, for example, on a RC40. It may be only if initialized again with the correct set of parameters.

The parameters are all included in a file that is present inside the folder which contains the programs of the machine.



11. DOWNLOAD WASHING PROGRAMS FROM MACHINE --> USB

The download of the washing programs allow to save on USB support the data present in IM8 computer (washing programs + machine parameters).



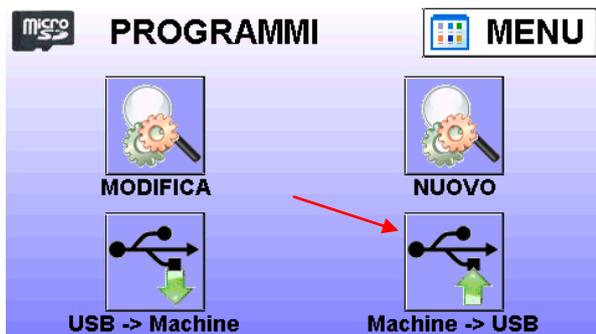
WARNING!

Do this operation before to start the IM8 upgrade or any other modification of the existing data.

For a correct download do as follow:

- Switch on the machine and insert the USB flash drive in the suitable connection on the machine front (or on the back in case of coin op machines).
- Click on the icon "PROGRAM" and then on the function "MACHINE → USB".

Before to updated the machine, ask for a program backup copy to the customer.



- Answer by hitting YES to conclude the download.
- Wait few seconds for the copy into the USB device.
- The programs will be stored on a precise folder:

tmp123456.IM8 (example)

- Do not change the name of this special folder. Take note of it for future uploads.

12. LINUX KERNEL 1450 UPGRADE



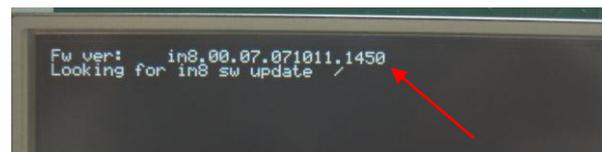
WARNING!

The next operations will erase completely the IM8 internal memory. Please, do this operation once the download of the washing programs has already been done (chapter 11).

The KERNEL 1450 allows the updating by importing system files μ LINUX.

The updating can be done on all the IM8 logic boards, which are showing, at start up, a black background with a series of points.

The IM8 logic boards which present the following message at the startup do not need to be updated with the KERNEL 1450.



The updating is formed by some files which are saved in the main directory of the USB flash drive.

The files can be retrieved by the DOWNLOAD AREA in the restricted technical area of the website: www.imesa.it. The file are compressed in a "rar" or "zip" file.

A tutorial video, which is stored in the same website, explain how to correctly decompress the files into the USB flash drive.

The USB flash drive must contain the following files:

Nome oggetto	Dimensione
..	
postUpdate.sh	49
im8	116.428
Netlink	133.132
lynxup.sw	4.194.304

The KERNEL update is done following the below steps:

- g) Switch off the machine and insert the USB flash drive, the one with the KERNEL file.
- h) Switch on the machine and wait for the updating end, which is signaled by the message:
"PLEASE, UNPLUG ANY DEVICE AND DO A POWER CYCLE"

```

LYNX KERNEL UPDATE TOOL: 1.00
Looking for Lynx firmware update via usb \
/bin/nmount /dev/sda /media/sd

Found and mounted update support ....
Allocating upgrade buffer....
done.
Buffering: read 1441792 bytes, remains 0 bytes
Erasing flash !
done.
Programming flash -
wrote 1441792 bytes, remains 0 bytes
done.
Disposing file buffer....
done.

Post update script found and executed
-->> PLEASE, UNPLUG ANY DEVICE AND DO A POWER CYCLE <<<--
  
```

- i) Switch off the machine and take off the USB flash drive.
- j) Update the IM8 software as described on next chapters.

13. GETTING STARTED FOR A CORRECT SOFTWARE UPDATE



WARNING!

Before you insert the USB key to perform the updates described below, proceed with the cancellation of the parameters inside the ' inverter ' .

Proceed as follows:

- a) Open the rear compartment of the inverter box;
- b) Supply voltage to the inverter;
- c) Press the MODE button once;
- d) Search with knob the parameter **P79**;
- e) Press the SET button once;
- f) Set the value of this parameter to **1**;
- g) Press SET to confirm three times;
- h) Check that the LED " PU " is solid;

- i) Rotate the knob counterclockwise and look for the parameter **ALLC** , confirm with SET;
- j) Set the value of this parameter to **1**;
- k) Press the button SET three times to confirm;
- l) The inverter is returned to its default factory setting and the control board IM8 require a complete shutdown of the machine (use the main switch and do not use the emergency stop button);
- m) Wait until the inverter turns off completely;
- n) Continue updating the software as described in the next chapters.

14. IM8 SOFTWARE UPDATING

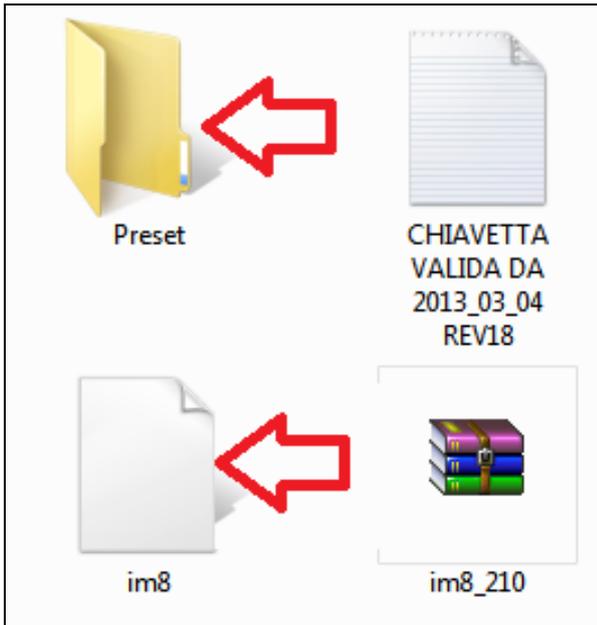


WARNING!

The next operations will erase completely the IM8 internal memory. Please, do this operation once the download of the washing programs has already been done (chapter 9).

The IM8 software can be downloaded by the technical area of the website www.imesa.it. The here described version is the 2.29, anyway the installation procedure is the same also for later versions.

Download the compressed file from the list "**CHIAVETTA COLLAUDO STD**" (*USB PENDRIVE FOR TEST LINE*), save the files in a USB key (possibly not the same used for the KERNEL updating). In the USB flash drive main directory must appear the following files:



Take particular care for the file and folder marked by the red arrows. They are mandatory for a perfect update.

To update the software:

- a) Check the KERNEL version and, in case, update it to version 1450 as explained in the chapter 9.
- b) Switch off the machine and insert the USB flash drive in the suitable connection on the machine front (or back in case of coin op machines).
- c) Switch on the machine and wait for the updating conclusion (an image like the following has to appear):



- d) After some seconds, select the icone "MENU", then "PARAMETERS", then digit "222222".

- e) Enter in the menu "PRESET FROM USB" and press the following buttons:

LANGUAGES (copy from USB to SD the entire contents of the languages present in the USB KEY at PRESET/IM8_LANG).

INVERTER (copy from USB to SD a text file that contains the parameters of the frequency controller of the machine in use. The source directory is present in the USB key at PRESET/IM8_INVERTER).

PRESET (copy from USB to SD a folder which contains specific programs for the machine in use. The source directory is on the USB stick at PRESET/IM8_PRESET).

BLOCKS (copy from USB to SD folder which contains some specific blocks (prewash-wash-spin) specific for the machine in use. The source directory is on the USB stick at PRESET/IM8_BLOCK).

IMAGES (copy from USB to SD a folder full of pictures. The source address is on USB stick at PRESET/IM8_IMAGE).



- f) The correct download from USB stick to SD card is evidenced by a "v" symbol in the center of the button.

15. AGGIORNAMENTO LINGUE

Upgrade languages every time you run the software update.

Press the button **LINGUE**

All files with the extension ".txt" in the folder PRESET/IM8_LANG of the USB stick are copied to the IM8's SD support. Files languages are as follows:

cro	10/12/2012 08:12	Documento di testo
cz	10/12/2012 08:13	Documento di testo
es	08/03/2013 08:33	Documento di testo
fra	04/03/2013 08:13	Documento di testo
gb	15/02/2013 10:50	Documento di testo
ger	15/02/2013 10:51	Documento di testo
hun	10/12/2012 08:13	Documento di testo
ita	31/01/2013 15:09	Documento di testo
nl	10/12/2012 08:08	Documento di testo
pol	10/12/2012 08:13	Documento di testo
pt	10/12/2012 08:11	Documento di testo
ro	10/12/2012 08:11	Documento di testo
srb	10/12/2012 08:14	Documento di testo
tr	16/10/2012 14:56	Documento di testo



WARNING!

Remember to switch the language by entering the USER MENU with the password "111111" and set the correct one.



16. INVERTER PARAMETERS GENERAL UPDATING

The inverter parameter list can be updated. This operations can be done

also in case a brand new inverter MITSUBISHI has been installed in a machine, for replacing the original one for example.

Push the button **INVERTER**

Then select the machine model among those available and the voltage of the inverter (open the inverter box and check the voltage of the power supply terminals L1/L2 or L1/L2/L3) and press OK to confirm.

In the "SD" there should be just a set of inverter's parameter.

The parameter's list available are as follows:

D2W_18_23_3ph400V.IM8	11/03/2013 09:18
LM_6_1ph230V.IM8	11/03/2013 09:18
LM_14_18_3ph230V.IM8	11/03/2013 09:18
LM_14_18_3ph400V.IM8	11/03/2013 09:18
LM_23_3ph400V.IM8	11/03/2013 09:18
LM_30_3ph230V.IM8	11/03/2013 09:18
LM_30_3ph400V.IM8	11/03/2013 09:18
LM_40_3ph400V.IM8	11/03/2013 09:18
LM_55_3ph230V.IM8	11/03/2013 09:18
LM_55_3ph400V.IM8	11/03/2013 09:18
LM_70_3ph400V.IM8	11/03/2013 09:18
LM_TD_8_11_1ph230V.IM8	11/03/2013 09:18
LM_TD_8_11_3ph400V.IM8	11/03/2013 09:18
RC_8_11_1ph230V.IM8	11/03/2013 09:18
RC_14_18_23_1ph230V.IM8	11/03/2013 09:18
RC_30_40_3ph230V.IM8	11/03/2013 09:18
RC_30_40_3ph400V.IM8	11/03/2013 09:18
RC_55_3ph400V.IM8	11/03/2013 09:18
RC_85_3ph400V.IM8	11/03/2013 09:18
TD_14_18_3ph230V.IM8	11/03/2013 09:18
TD_14_18_3ph400V.IM8	11/03/2013 09:18



WARNING!

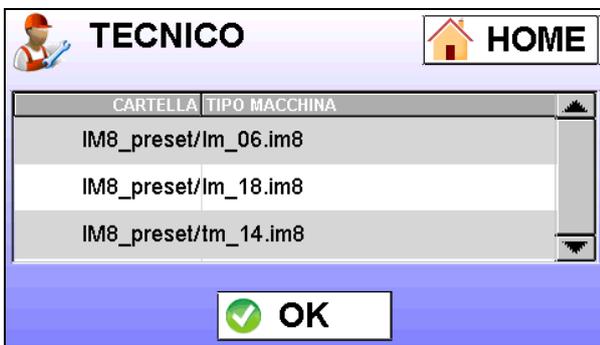
The inverter parameter's list is automatically sent to the inverter via MODBUS cable. No other operation are needed.

17. PRESET MACHINE UPDATE

This operation allows you to "baptize" the control board IM8 for a specific model of washing machine, with programs and standard parameters by IMESA. It's necessary to perform this step to load all the new parameters included with the newer version 2.29.



Push the button **PRESET**. Then select an appropriate preset for your model of washing machine and press OK to confirm.



The description of the programs contained in the "PRESET" is present in the user's manual of the machine.



WARNING!

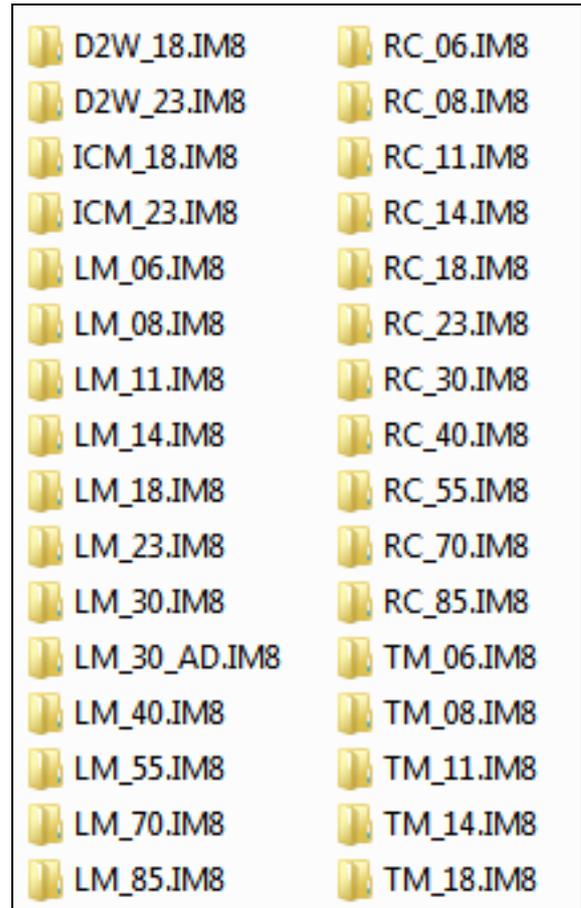
The IMESA's standard programs are always updated and efficient. Further improvements will be implemented in the future without notice.

Mind to do a backup of the customer's programs before to load a new preset in the IM8 control card unit (chapter 11).

The customer's programs should be reloaded by following the chapter 20.

If the customer needs custom programs, it is suggested to use as a "base" for creating the programs in the folder PRESET/IM8_PRESET of your USB stick.

The IMESA presets available are the following:



WARNING!

By transferring the set of programs are also transferred the operating parameters of the selected machine (including the parameter "DOOR TYPE" which can be "MOTORIZED" or "IMPULSE". Door settings are related to METEOR 3.0 door lock, pay attention if in your machine there's still the METEOR 1.0 door lock).



WARNING!

To activate the PRESET loaded in the SD card you must perform the function PRESET DATA, described in Chapter 19.

18. BLOCKS UPDATE (WASHING CYCLES)

It's possible to install a set of blocks (the IMESA's standard or custom ones) to the SD card.

This will be able to run the backup if you make a mistake or if by programming were overwritten / deleted some steps. It's also possible to import your own library of blocks by copying the folder into the path PRESET/IM8_BLOCKS of your USB stick.



Push the button. Select a set of blocks which reflect your machine's model and press OK to confirm.



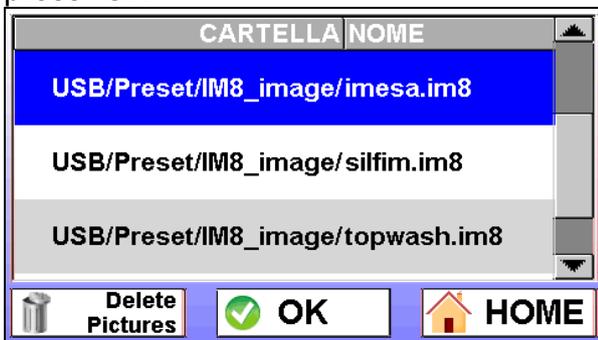
19. IMAGES UPDATE

It's possible to install a set of custom images. Size, format and name of the images are defined in the programming manual IM8 (E110501x rev2), also downloadable from the website www.imesa.it.

It's also possible to import your own library of images, copying the folder to the internal path PRESET/IM8_IMAGE of your USB stick.

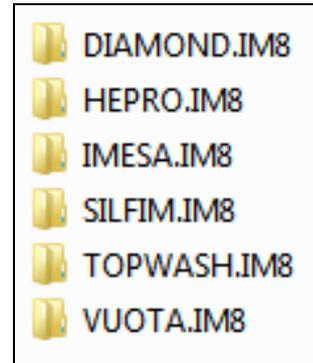


Push the buttons. Select the desired folder from the list and press "OK"



Wait a few seconds. The copy phase of the images may take few minutes in presence of very heavy

files. The standard image folders are compiled as follows:



20. PRESET DATA

To activate the loaded preset (Chapter 14), you should enter the "PRESET DATA" parameter (available in the TECHNICAL MENU with the password "222222").

Will be highlighted the presets available in the SD memory card of the control unit IM8.



Select the desired preset machine and confirm with OK.

Wait few seconds and then check the correct setting of parameters included in DOOR LOCK MENU:

PARAMETERS	METEOR 1.0 (standard)	METEOR 3.0 (standard)
WDT DOOR CLOSING	25.0 sec	10.0 sec
ADVANCE AFTER DOOR CLOSED	2.0 sec	3.0 sec
WDT ZERO MOTOR	25.0 sec	10.0 sec
WDT DOOR OPENING	7.0 sec	3.0 sec
ADVANCE AFTER ZERO MOTOR	0.1 sec (*)	2.0 sec

(*) Return the value noted previously. The other parameters can be left with the default setting.



WARNING!

Following the PRESET DATA check the settings of the following parameters according to the intended use of the machine:

- HEATING TYPE (Electric/Steam or Hot Water).
- COIN BOX TYPE (Electronic coin meter or centralized payment system).



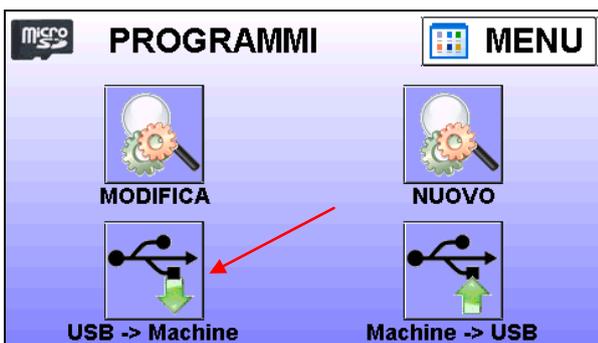
WARNING!

The IMESA's standard programs are always updated and efficient. Further improvements will be implemented in the future without notice. Mind to do a backup of the customer's programs before to load a new preset in the IM8 control card unit (chapter 11). The customer's programs should be reloaded by following the chapter 20.

21. UPLOAD WASHING PROGRAMS USB --> MACHINE

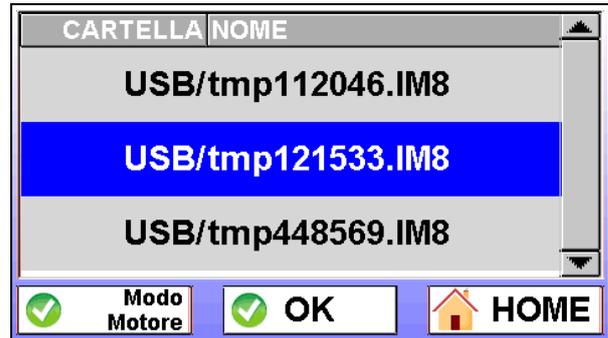
Make sure you have inserted the USB stick containing the program files on your machine. Press "MENU" then "PROGRAMING" icons.

- a) Select the icon "USB → MACHINE" to re-enter all customer programs into the logic board.



- b) Select the "tmp" folder which

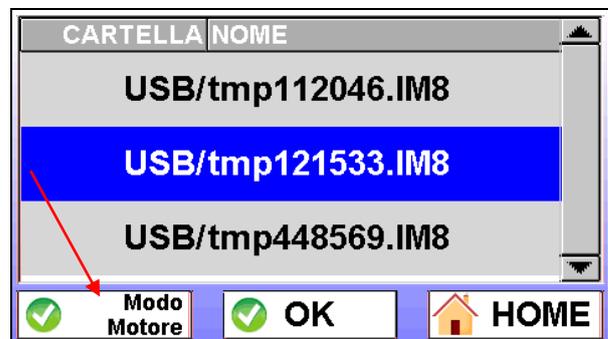
contains the custom programs of the machine.



- c) Select the programs individually using the "COPY" function, or overwrite all the programs contained in the IM8 by the function "COPY ALL".



- d) Copy the configurations of the motor cadences selecting the desired program folder and pressing the "MODO MOTORE" button.



- e) You will be prompted to continue with the overwrite custom motor rhythms to the detriment of the original by IMESA.



22. UPDATING COMUNICATION FORM

At the end of the updating, we kindly ask you to send back the form of the next page.



IMESA S.p.A.
Via degli Olmi, 22 - 31040 Cessalto (Treviso) Italy - Capitale Sociale Euro 1.300.000 i.v.
Partita IVA IT 00246480263 - Registro Imprese TV e Codice Fiscale 00246480263 - R.E.A. N. TV-95087 - MECC TV 017459
Registro A.E.E. IT0802000000556 - ☎ +39.0421.46.80.11 - 📠 +39.0421.46.80.00 - www.imesa.it - ✉ info@imesa.it

Mittente/From

Distributor: _____

Technician reference: _____

Destinatario/To:**SERVIZIO ASSISTENZA TECNICA IMESA
IMESA AFTER SALES SERVICE****FAX: 0421 – 468088****EMAIL: a.meneghel@imesa.it; m.bettarello@imesa.it****UDATING ON MACHINE EQUIPPED BY μ “IM8”**

WE KINDLY ASK YOU TO FILL IN THIS FORM IN CAPITAL LETTER; PLS MARK THE UPDATING MADE USING A “v”. IN CASE OF MORE THAN ONE MACHINE, PLS MAKE A COPY OF THIS FORM.

MODEL: _____

SERIAL NUMBER: _____

IM8 VERSION: _____

KERNEL VERSION: _____

INSTALLATION OF A BEARING HOLDER BUSCH KIT FOR IM8 DOOR LOCK.

(SERIAL NUMBER BEFORE L201204032)

INSTALLATION OF A PVC PLASTIC COVER FOR DOOR LOCK (ITME NR. 4110201X).

(SERIAL NUMBER BEFORE L201107094)

CHANGE OF WDT AND TIME OF DOOR WORKING

(TO BE FILLED IN ONLY IF THE VALUES DIFERS FROM PRESET PARAMETERS):

- WDT DOOR CLOSED _____ [sec]
- ADVANCE AFTER DOOR CLOSED _____ [sec]
- WDT ZERO MOTOR _____ [sec]
- WDT DOOR OPENING _____ [sec]
- ADVANCE AFTER ZERO MOTOR _____ [sec]

DOOR REGULATION AND ALIGNMENT.

STEEL PIN REPLACEMENT.

(SERIAL NUMBER BEFORE L201105057)

PIN LENGTH SETTING

(TO BE FILLED IN ONLY IF DIFFERENT FROM STANDARD CONFIGURATION):

- LONGER PIN LENGTH: _____ [mm]
- SHORTER PIN LENGTH: _____ [mm]

UPDATING INVERTER SAFETY CONTACT.

(MACHINES PRODUCEND UNTIL END JANNUARY 2012)

UPDATING INVERTER COMUNICATION PARAMETER.

(SERIAL NUMBER BEFORE L201203110)

KERNEL UPDATING (AS ABOVE).

SW IM8 UPDATING (AS ABOVE).

(SERIAL NUMBER BEFORE L201203110)

LANGUAGES UPDATING.

INVERTER PARAMETER LIST UPDATING.

(SERIAL NUMBER BEFORE L201203110)

PROGRAM UPDATING (UPLOAD STANDARD/CUSTOMIZED PROGRAMS)

Service date: _____

Technician signature: _____