STOPS MANAGEMENT AND TROUBLESHOOTING MANUAL

DESCRIPTION OF THE OPERATIONS TO RUN
IN THE EVENT OF MACHINE FAILURE

Donna machines

(single-cylinder models, for pantyhose)

Models equipped with PCB 2009
Models equipped with PCB 2014

Version 0.5 - Date 2016/04

ENGLISH

Attention

KEEP THIS MANUAL AND HAND IT OVER TO ANY NEW OWNERS.

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STOPS MANAGEMENT AND TROUBLESHOOTING MANUAL

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ENCLOSURE

The models to which this document relates

DONNA machines

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Model
Name displayed on screen.

Graphitron
Name displayed on computer.

Models

LA
Models equipped with PCB 2009
Models equipped with PCB 2014
"Touch screen" colour display + Keyboard

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Models equipped with PCB 2014
"Touch screen" colour display

GOAL machines

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Model
Name displayed on screen.

Graphitron
Name displayed on computer.

Models

GL
Models equipped with PCB 2009
Models equipped with PCB 2014
"Touch screen" colour display + Keyboard

GK
Models equipped with PCB 2014
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DONNA machines

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***** = Hold down the button for a few seconds.

ê = Enter

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GOAL machines

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***** = Hold down the button for a few seconds.

ê = Enter

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Reference

For further information, refer to the brochure:
Wiring diagrams (FOGLIO GUIDA DOCUMENTAZIONE APPARECCHIATURA).

Legend

PCB = printed circuit board = SK = Board
Mpp = Stepping Motors
Ev = Solenoid valve

Glossary

Eprom System is the part of the machine software common to all the machines in the series. Epron Custom is the part specific for the model.

Machine software and machine eprom are synonymous.

GRAPHITRON is the computer designed with the software used to create specific chains for each machine model.

Chain, chain program, article, sock or coded program are synonymous.

The step (chain step) is the programming unit. It contains the list of operations to perform during a cylinder revolution.

The article is comprised of a certain number of chain steps.

The articles come with a ".co" extension.

The zone (or block) is a sequence of steps with a common parameter. For the meaning and types of zones, refer to GRAPHITRON programming.

Chain sequence indicates the programming of a cyclic sequence of articles via the control panel.

The article chain (sequence) has the ".cn" extension.

The sensor is a switch that is opened (or closed) by a physical dimension.
In practice the sensor provides the software a signal.

The sensors transmit electrical signals to the processor to stop the machine in case of failure.
Therefore: The input (and/or sensor) is also called "stop".

Some sensors may signal a failure by opening up and others by closing down.

By false error is meant a defect signal not generated by an actually dangerous situation but only electric disturbances and/or hardware defects.

Legend for … Autotest of inputs

The sensor is a switch that is opened (or closed) by a physical dimension.

- **Green Led = contact open**
  Contact open = input to Ground (0 Vdc)
- **Red Led = contact closed**

Classification of messages

Warning (Notification)

The Warnings (Notifications) appear in the low part of the display and inform about the machine status or the operation in progres.

a. The appearance of the message does not activate the screen in stand-by.
   Simply touch the surface to reactivate the display.
   Or … Press any key.

b. The message can be cleared by pressing: **[F8]**
   If the message is not cleared or it reappears immediately after, it means that the condition that had originated it is still active.

c. The characteristics of the Warning is that it doesn't obstruct the machine movement with the various start Button.
   (Machine Start Button , [Handle 1] , [Handle 2]) .

d. The message does not inhibit the blackout procedure.
   In the event of a power failure (blackout), the machine saves the data of the current sock cycle (hibernation).
   The blackout procedure also activates at step zero if at that time Routine CT is enabled. (Seaming Robot)

e. The message does not discontinue learning.
   It is not disrupted when yarn feed learning is in progress.

f. This type of message does not cause the Seaming Robot to stop.

Info (Information)

Infos are displayed on the screen and provide information of the machine status or current operation.
This type of message has its own window, which ensure better visibility.
   In computer science, these types of boxes are called "pop-ups". See also … Wikipedia.org

_. For other characteristics, refer to the item: **Warning (Notification)**

Error

The Errors appear in a special window to all the video on the machine Display, and inform the user of the presence of a defect.
In order for the machine regain its correct functioning the cause of the Error has to be eliminated.

In general, with the Error window active is not possible to access the various machine menus or use the direct keys.
Some direct keys are however enabled because their function is necessary for the resolution of the damage.
The list of the Keys and Menu active in this window, and its meaning, is available in:
GUIDE OF USER INTERFACE

! **The appearance of the message causes the machine to stop.**

a. The appearance of the message automatically turns on the display.

b. The message can be cleared by pressing: **[F8]**
If the message is not cleared or it reappears immediately after, it means that the condition that had originated it is still active.

c. This machine status is such that machine operation with the Start button is inhibited for safety reasons.
The use of the [Handle 1 and 2] buttons is allowed only for some particular Errors.

d. The message does not inhibit the blackout procedure.
In the event of a power failure (blackout), the machine saves the data of the current sock cycle (hibernation).
The blackout procedure also activates at step zero if at that time Routine CT is enabled. (Seaming Robot)

e. **After this error the software puts the Yarn Sliding system in Suspension status.**
The machine will repeat the incomplete step during the next cycle.

f. This type of message can stop immediately the Seaming Robot.
This effect depends on the message content.
In any case … The robot and machine are independent. They operate in synchronisation during sock extraction.

Error - Movement impossible

The Errors appear in a special window to all the video on the machine Display, and inform the user of the presence of a defect.

c. This machine status is such that machine operation with the Start button is inhibited for safety reasons.
Furthermore …
Operation of the buttons specified below IS NOT enabled:
- Handle-1 (Degree/Degree) key
- Handle-2 key [Continuous]

_. For other characteristics, refer to the item: **Error**

Alarm

The Alarms appear in a special window to all the video on the machine Display, and inform the user of the presence of a serious defect.
This machine status means that machine operation with any run button is inhibited for safety reasons.
The Alarm is symptom of a defect so serious that the following machine functioning is prohibited.

Before turning off the machine check the cause of the alarm: the relative explanations are found in in the description of the specific Alarm.

In general, with the Alarm window active, it is not possible to access the various machine menus or use direct keys.
Some direct keys are however enabled because their function is necessary for the resolution of the damage.
The list of the Keys and Menu active in this window, and its meaning, is available in:
GUIDE OF USER INTERFACE

! **The appearance of the message causes the machine to stop.**

a. The appearance of the message automatically turns on the display.

b. **The message cannot be cleared with no key.**
The machine has to be turned off. When turned on it automatically goes to the "end of cycle" step.

c. This machine status is such that machine operation with the Start button is inhibited for safety reasons.
Furthermore …
Operation of the buttons specified below IS NOT enabled:
- Handle-1 (Degree/Degree) key
- Handle-2 key [Continuous]

d. **The appearance of the message excludes hibernation.**
If the machine is switched off when the message active, this does not trigger the blackout procedure.
La procédure (automatique) de black-out garantit la sauvegarde des données de la machine (état, position, etc.) grâce à des batteries tampon.

e. **After this error the software puts the Yarn Sliding system in Suspension status.**
The machine will repeat the incomplete step during the next cycle.

f. This type of message can stop immediately the Seaming Robot.
This effect depends on the message content.
In any case … The robot and machine are independent. They operate in synchronisation during sock extraction.

Initial error

The Errors appear in a special window to all the video on the machine Display, and inform the user of the presence of a defect.
This message can only appear on switching on.
In order for the machine regain its correct functioning the cause of the Error has to be eliminated.

In general, with the window active it is not possible to access the various menus of the machine or use direct keys.
Some direct keys are however enabled because their function is necessary for the resolution of the damage.
The list of the Keys and Menu active in this window, and its meaning, is available in:
GUIDE OF USER INTERFACE

b. The message can be cleared by pressing: **[F8]**
If the message is not cleared or it reappears immediately after, it means that the condition that had originated it is still active.

_. For other characteristics, refer to the item: **Alarm**

Seaming Robot : Warning (Notification)

This type of message concerns the robot and informs of its state or the operation in progress.
The message is visible in the dedicated window.
From the Main window press: **FN+C**

a. The appearance of the message automatically turns on the display.

_. For other characteristics, refer to the item: **Warning (Notification)**

Seaming Robot : Error

This type of message concerns the robot and informs of its state or the operation in progress.
This type of message informs the operator of the presence of a malfunction.
The message is visible in the dedicated window.
From the Main window press: **FN+C**
The main (red) background field shows the exact error name in big characters.

a. The appearance of the message automatically turns on the display.

f. This type of message causes the Robot stop.
The icon corresponding is displayed in the dedicated area.
During work, the robot defect does not stops the machine.
In any case … The robot and machine are independent. They operate in synchronisation during sock extraction.
When the robot stops, the machine stops at the sock pick-up point.

_. For other characteristics, refer to the item: **Warning (Notification)**

Seaming Robot : Error + Machine Stop

This type of message concerns the robot and informs of its state or the operation in progress.
This type of message informs the operator of the presence of a malfunction.
The message is visible in the dedicated window.
From the Main window press: **FN+C**
The main (red) background field shows the exact error name in big characters.

! **The appearance of the message causes the machine to stop.**

a. The appearance of the message automatically turns on the display.

e. The message does not discontinue learning.
It is not disrupted when yarn feed learning is in progress.

f. This type of message causes the Robot stop.
Furthermore … **The machine stops.**
The icon corresponding is displayed in the dedicated area.

_. For other characteristics, refer to the item: **Error**

Messages

0.0: Language "%s" not found (Error)

Alerts that the set language is not supported by the software.
The display sets itself to the default language.

0.1: Language saved (Warning)

Informs that the set language has been saved correctly.

0.2: Language saving failure (Warning)

Alerts that the set language has not been saved due to software problems.
The display sets itself to the default language.

0.3: Contrast saved (Warning)

Informs that the set display contrast data have been saved correctly.

0.4: Contrast saving failure (Warning)

Informs that the set display contrast data have not been saved due to software problems.
The display automatically sets on the default contrast data.

0.5: LCD timeout saved (Warning)

Informs that the set LCD data have been saved correctly.

0.6: LCD timeout saving failure (Warning)

Alerts that the data of the display sleep time settings have not be saved due to software problems. The display automatically sets to default data.

0.7: Protected window: please insert password (Information)

Informs that the access to the window is password protected.
Enter the password.

0.8: Protected level activated (Warning)

Alerts that the password level has been enabled.
Depending on the set password level, some windows and functions are unlocked.

0.9: Invalid Password! (Warning)

Informs that the password entered is incorrect.
Enter the correct password.

0.10: Protected level reactivated (Warning)

Informs that the password unlock time has expired.
All password-protected windows and functions are locked again.

0.7: For further information, refer to the brochure: Password Level Manager

1. …

Refer to the menu: Graduation menu
See also the menu: Restoring menu

1.0: REST values in CM/INCH out of range (min. %d - max. %d) (Warning)

Informs that values below and above the standard allowed have been entered.

1.1: REST values in CM correctly saved (Warning)

These values are expressed both in "centimeters" and in "inches".
The operation was performed successfully.

1.2: REST values in CM/INCH encoding writing failure (Warning)

The changes have not been saved. This particular message is a symptom of a Hardware or Software problem.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

1.3: No change step following CM/INCH switching in area %s (Warning)

Informs that the change made is so minimal that it will not affect the motor steps.

1.4: Values in CM/INCH outside limits for program: %s (min. %d - max. %d) (Warning)

This message appears when an article in the Chain is modified. The change in step is applied exactly in the selected areas with the same name. At least in an article, the change entailed exceeding the values allowed.
From Graphitron you can disable this type of area association.
%s = is the first programme of the sequence where it has not been possible to make the change.

2. …

Refer to the menu: Modify economizations
See also the menu: Restoring menu

2.0: Operation not allowed (code %d) **(** Warning **)**
Informs that the operation cannot be performed under the current circumstances.

2.1: Economizer data correctly saved **(** Warning **)**
The operation was performed successfully.

2.2: Economizer data correctly restored **(** Warning **)**
Informs that the programmed values have been restored.

2.3: Unauthorised operation under change economies: zero not allowed **(** Warning **)**
Informs that it is not possible to set a zero value.

2.4: Unauthorised operation under change economies: the economies must be even numbers **(** Warning **)**
Informs that the number of economies must be even.

2.5: Unauthorised operation under change economies: the economies must be odd numbers **(** Warning **)**
Informs that the number of economies must be odd.

2.6: Prohibited Transaction in changing economies: economies, it is not editable in this area **(** Warning **)**
Informs that the operation cannot be performed under the current circumstances.
The current zone cannot be modified. This is for safety reasons.

2.7: Unauthorised operation under change economies: machine not at end of cycle **(** Warning **)**
Informs that the operation cannot be performed under the current circumstances.
The operation is only possible at the end of the sock.

3. …

Refer to the menu: Graduation menu
See also the menu: Restoring menu

3.0: REST values out of range (min. %d - max. %d) (Warning)

Informs that values below and above the standard allowed have been entered.
The value is expressed as motor steps.

3.1: REST values correctly saved (Warning)

The operation was performed successfully.

3.2: REST values correctly restored (Warning)

Informs that the programmed values have been restored.

3.3: REST values encoding writing failure (Warning)

The changes have not been saved. This particular message is a symptom of a Hardware or Software problem.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

4. …

The message refers to the item: Cylinder speed
Refer to the menu: Modify speed

4.0: Void speed not allowed (Warning)

Informs that it is not possible to set a zero value.

4.1: Speed not alowed (max. %d) (Warning)

Informs that values above the allowed standard have been entered.

4.2: Void revolutions not allowed (Warning)

Informs that it is not possible to set a zero value.

4.3: Speed data correctly saved (Warning)

The operation was performed successfully.

4.4: Speed data correctly restored (Warning)

Informs that the programmed values have been restored.

4.5: Unauthorised operation under change speed: machine not at end of cycle (Warning)

Informs that the operation cannot be performed under the current circumstances.
The operation is only possible at the end of the sock.

5.0: Command %s run error (Error)

Generally alerts when a read/ write operation on a USB stick has failed.

5.1: Ethernet data correctly saved (Warning)

The operation was performed successfully.

5.2: Ethernet data not correctly saved (Warning)

Informs of the presence of saving problems or wrong data.

Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

5.3: Save Date and Time not executed correctly (Alarm)

Informs of the presence of saving problems or wrong data.

Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

5.5: Loading %s performed correctly (Warning)

The operation was performed successfully.

The name of the current file is indicated.

5.6: Loading %s NOT performed correctly (Warning)

The operation failed. The name of the current file is indicated.

6.0: Conversion successfully finished (Warning)

The operation was performed successfully.

6.1: Conversion %s INTERRUPTED (Error)

The operation failed. Parameter %s indicated a string to indentify where/when the problem occurred.

6.2: Conversion in progress (Warning)

Informs that a procedure/operation is in progress and the machine is processing data.
Wait for the outcome.

6.3: Insufficient memory (Error)

Alerts that the machine memory is not sufficient to perform the conversion of the article.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

6.4: Number of set-up drum levers (%d) higher than the expected maximum number (%d) (Error)

Alerts that article is not encoded for the software version installed in the machine. !da duplicazione! Check the software version of the machine and upgrade it with Digraph or vice versa.

6.5: Lever command %d too far from the preceding one (Error)

Alerts that the pattern drum lever shown is too distant (in terms of relative position) from the previous one. Check the programming of article. If the problem persists, please contact the Technical Customer Service.

6.6: Writing failed (Error)

Alerts that some data, or even all, have not been written in memory.
Repeat the operation.

6.0: To this end see the menu: Activates program

7.0: Outputs autoconfiguration missing (Error)

Alerts that the self-configuration of serial outputs has not yet been performed.
Enter setup, set the associated devices and perform auto-configuration.

7.1: Select the existing bars and confirm to start the autoconfiguration (Warning)

To this end see the menu: **Outputs autoconfiguration**

7.2: Output autoconfiguration aborted (Warning)

Alerts that the serial output auto-configuration setup has been exited without saving and the operation has been cancelled.

7.3: Output autoconfiguration finished (Warning)

Informs that the auto-configuration of the serial outputs has been saved.

7.4: Outputs autoconfiguration in progress (Warning)

Informs that the auto-configuration of the serial outputs is in progress.
Wait for the message: 7.3 .

8.0: Cams calibration missing (Error)

This message appears when in the part of the machine Setup dedicated to the saving of the "Stitch cams self-calibration" data are not present valid data.
Perform the procedure in the appropriate menu.

8.1: Saving stitch-cam calibration in progress. Please wait… (Warning)

Informs that the setup saving is in progress.
Wait for the outcome.

8.2: Stitch-cam autocalibration correctly saved (Warning)

Data has been acquired (stored) successfully.

8.3: Autocalibration not correctly saved for the motor %ls (Error)

Informs of the presence of saving problems or wrong data. Or … The software ascertains that the value required to continue is missing.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

8.4: Stitch-cam autocalibration not correctly saved (Error)

Informs of the presence of saving problems or wrong data.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

8.0: To this end see the menu: Stitch-cams calibration , Autotest Stitch cam

9.0: Piece-counter target (%d) reached! (Warning)

Informs that the production of the number of items set in the piece-counter has been completed.

9.1: Sock not ejected! (Error)

Alerts that the article has not been ejected. Check that the item end is not trapped by needles or hooks. Check that the sensor is functioning and properly positioned. In the auto-test menu, check that the status of the input switches. Check the connection between the sensor and the board.

9.2: Wait for sock passage… (Warning)

The machine has completed a sock and activates detection to make sure it is ejected.
Wait for the outcome. The message will shortly be replaced by others.

9.3: Piece-counter setup correctly saved (Warning)

The data are saved in the memory and therefore are an integral part of the machine.
The data are directly saved in the FLASH memory and become part of the "General Setup", and will not be lost.

9.4: Saving of piece-counter setup failed (Warning)

Informs that saving has failed. Alerts that some data, or even all, have not been written in memory. Go back to the menu and try again.

9.5: Piece-counter setup erased! (Warning)

The Reset operation is completed properly.
The result of this operation is the restoration of the DEFAULT, as defined in the Eprom.

9.6: Operation not allowed. The question was not answered (Information)

The machine needs to advance by a value (or the indication of a preference).
Machine run disabled until the software receives the reply.

9.7: Basket piece count target (%d) achieved! (Warning)

Informs that the production of the number of items set in the piece-counter has been completed.
In this case … The message refers to the item: Baskets piece-counter menu

9.8: Basket not available! (Information)

The message refers to the item: Bag-ready control with A-B options
Management has been enabled. Therefore: The user is prompted to confirm the operation.
Press the key: [.]
The icon corresponding is displayed in the dedicated area.
(To this end see the menu: Help)

9.9: Operation not permitted in the presence of data collection (Information)

Informs that the operation cannot be performed under the current circumstances.
Sock count is handled by the host computer.

10.0: Motion disabled by EV manual command logics (Information)

The message refers to the item: Manual command protection on reciprocating motion
(To this end see the menu: Machine management setting)
Management has been enabled. Therefore: Informs that the operation cannot be performed under the current circumstances.
The zones of the sock in which the cylinder alternating motion is set are called "heel blocks".

10.1: Correct manual setup saving in hazardous areas (Warning)

The operation was performed successfully.
The data are saved in the memory and therefore are an integral part of the machine.
The data are directly saved in the FLASH memory and become part of the "General Setup", and will not be lost.

10.2: Incorrect manual setup saving in hazardous areas (Warning)

Informs that saving has failed. The new setting will be activated immediately after saving. Go back to the menu and try again.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

12.0: VPE valve in manual state. Normal functioning resumes with machine running (Warning)

Informs that the VPE has been positioned with a manual command.
Restoring operation is possible by pressing either the run button or the dedicated key.

12.1: Sinker cap in SINKER EXTRACTION position (Warning)

This message informs the user that the various "Sinker Caps" are positioned so as to allow the extraction and therefore the replacement of the "Sinker".
Until to that these devices ("Caps") shall remain in "Sinkers extraction" position the "Run" is disabled.

12.2: Operation not allowed manual command in progress stepping motor (Information)

This message informs the user that the machine cannot be Run.
This movement is not possible as it is disabled from the software control associated with a Manual Command. (Stepping Motors)

13.0: Motion disabled by manual out logics (Information)

This message informs the user that the machine cannot be Run.
This movement is not possible as it is disabled from the software control associated with a Manual Command. (Solenoid valve commands)

14.0: Wrong Plugin loading (Alarm)

Alerts that the initialisation of the application has aborted (e.g. USB reading).

The user must Turn off and then Turn on the machine. If the problem persists, please contact the Technical Customer Service.

14.1: MAKY: insufficient memory (Alarm)

Alerts that the memory is insufficient for the software installed.

In case of the occurrence of this message contact the Lonati technical staff.

14.2: Article not active (Warning)

Informs that no article is active. Activate an article to continue production.

14.3: New article activated (Warning)

Informs that a new article has been enabled and the machine is ready to start production.

14.4: Modified article active (Warning)

Informs that the article has been resumed with the changes made or an article has been loaded with the same name as the current one.

14.5: Mini-article %s unavailable (Error)

Alerts that the mini-article required for this procedure is not present in the memory.

In case of the occurrence of this message contact the Lonati technical staff.

14.6: Encoder counting: revolution lost (Error)

Alerts that a malfunction has occurred in the encoder pulse count.

Check the connection of the resolver, the motor and the ECO-DD drive connector J5, ECO-DD connector J3 PCB2010 J33. If the connections are correct, replace the motor and/or the ECO-DD drive and/or PCB2010.

Type of the "Motor drive control" board : ECODD (= FD = Full Digital).

14.7: Encoder IRQ lost (Error)

Alerts that a malfunction has occurred in the encoder pulse count.

Check the connection of the resolver, the motor and the ECO-DD drive connector J5, ECO-DD connector J3 PCB2010 J33. If the connections are correct, replace the motor and/or the ECO-DD drive and/or PCB2010.

14.8: Buffered data reading/writing error (Warning)

Informs that an error has occurred while reading/writing in RAM.

Repeat the operation and/or reboot the machine.

14.9: Unexpected destination directory (Error)

Informs that an error has occurred while reading a file on a USB stick.

Repeat the operation and/or reboot the machine.

14.10: Peripheral reading error (Error)

Informs that an error has occurred while reading a file on a USB stick.

Try again. If the outcome is still negative, reboot the machine; if the problem persists, replace the USB stick.

14.11: Operation in progress. Please wait… (Warning)

Informs that the software is performing a task (e.g. reading a file from USB).

Await the outcome of the operation.

14.12: Operation correctly finished (Warning)

Informs that the software has run and completed the current operation.

14.13: Reading device connection lost (Error)

Informs that there is an internal software error concerning the connection between devices.

Reboot the machine.

14.14: CAN %s initialization error (code: %d) (Alarm)

This error is usually generated on switching on the machine and is caused by the software when it is not connected to a CAN device.

Contact the Technical Customer Service.

14.15: Operation on CAN device error (code: %d) (Alarm)

This error is generated when the software detects a general anomaly on the CAN line.

14.16: Error executing %s command %s (Error)

This error is generated when a CAN command towards the motors is not executed.

14.17: Zeroing in progress… (Warning)

Informs that the F0 procedure has commenced.

14.18: Machine stopped for cycle end (Warning)

Informs that the machine has stopped at end of article due to F3 insertion.

14.19: Machine stopped for F1 active (Error)

This message informs the user that the machine, outside the step Zero, is running with the [F1] key active.

This is considered an anomalous functioning, and therefore the machine has been stop.

Outside the step Zero, if is activated the [F1] key to block the step chain progress is also active the control for the correct use of this key.

After a certain period of time (about 30 seconds) with machine in motion and key acive, the machine stops with this error.

The activation of the key outside the step Zero is used only for maintenance or tests.

14.20: Machine stopped for stop-at-step function active (Warning)

Informs that the machine has stopped at the step programmed due to F4 insertion.

14.21: Temperature too high! (Alarm)

Alerts that the cylinder thermal probe has measured a too high temperature.

If it is not correct, check the connection between PCB2010 J39 pins 1-2-3 and thermal probe pins 1-2-3; if it is, replace the thermal probe and/or the PCB2010.

14.22: Machine stopped for end of yarn bobbin (Warning)

Informs that the machine has stopped at end of article due to activation of the reel empty stop command.

In the main window by pressing F you access a window where is possible to program the number of Sock Cycles after which the machine will stop.

If the user sees that a yarn bobbin is exhausted, and assess the number of socks that it can still produce with the yarn remained, it can set this socks number in the window of: programmed stop for "End of Yarn bobbin".

In this way the machine will stop at the End Cycle using the greatest amount of yarn; at this point the user will the replacement of the Yarn Bobbin, possibly after exhausting completely the yarn residue.

After the stop of the machine at End of Cycle, with consequent viewing this message, the value programmed will zero.

14.23: Machine in emergency (Error - Movement impossible)

Alerts that the emergency button has been pressed or the software has caused an emergency due to internal problems.

Reboot the machine.

14.24: No programming of motor %s (Error - Movement impossible)

Alerts that the motor specified has not been programmed.

Check the programming of article.

14.25: Device %ls manually disabled (Error)

Alerts that the device specified is disabled.

Enable the device again to resume operation.

Or … Check programming from Graphitron.

14.26: Required to effect knitting! Press F0 (Warning)

The message reminds the user what action is to be performed.

14.38: Timer machine not active. You need to adjust and save Date and Time (Initial error)

Alerts that the machine is locked due to data loss.

Perform the procedure to disable/renew leases and set the date and time.

14.39: Start of drums warming movement (Warning)

Informs that the shake of the actuator levers is in progress.

If the machine remains stopped or switched off for some time, the heating stage is restored.

14.40: Solenoid valves shake active (Warning)

When the "Shake" procedure is enabled, with the machine on step zero, you can force execution of this procedure by clicking a key in the relevant menu.

If the machine remains stopped or switched off for some time, the heating stage is restored.

14.41: Operation not allowed. Machine not stopped at end of cycle (Warning)

Informs that the operation is not allowed.

Operate F3 to stop the machine and repeat the operation.

14.42: WATCH DOG useful (Alarm)

Informs the intervention of the application watch-dog.

In case of the occurrence of this message contact the Lonati technical staff.

14.43: WATCH DOG drive motor: %s (Alarm)

This alarm appears when the management software of the motor is blocked.

Alerts that the motor drive watchdog has intervened.

The actuator is the electronic equipment (board) the drives the cylinder motor.

The user must Turn off and then Turn on the machine. If the problem persists: Replace the board.

14.44: Driver %s incompatible. Request version %d. %d. %d (Alarm)

In case of the occurrence of this message contact the Lonati technical staff.

14.45: Testing blackout battery… (Warning)

A test carried out automatically by the software check the integrity of this battery [residual charge].

Wait for the outcome.

14.46: Flat Black-out battery (Warning)

Check that the batteries are connected to PCB3812 FT1-2, PCB3812 J6 pins 1-3-4-5, PCB2010 J36 pin, 2-3-5-4. Replace the batteries if their total charge is below 10V. It the charge is correct, replace PCB3812 and/or PCB2010.

14.47: Automatic speed reduction active (Warning)

The message refers to the item: Warm up machine

(To this end see the menu: Machine management setting)

Management has been enabled.

If the machine remains stopped or switched off for some time, the heating stage is restored.

In this warm-up stage, the speed is limited to 50% of that set by Graphitron.

14.48: Automatic speed reduction disabled (Warning)

The machine starts functioning again at the programmed speed.

14.43: See also … Wikipedia.org , In particular: watchdog and/ or deadlock

14.49: Black-out battery charged (Warning)

No abnormalities were found during the check.

For further information see also: GUIDE OF USER INTERFACE

In particular, refer to the paragraph: BLACKOUT PROCEDURE

The subsection comes under section: Main Window / Keys enabled in the window.

14.50: Hibernation or recovery from hibernation in progress. Please wait… (Information)

Informs that, due to a power failure, memorisation is in progress (hibernation) of the positions of the actuators or their resumption following a restart.

Await the outcome of the operation.

14.51: Reset: turn off machine (Alarm)

Alerts that, due to mechanical locks during the work cycle, a manual reset has been performed to switch off the machine without performing hibernation.

14.52: Blackout not executed (Error - Movement impossible)

Alerts that, following a power failure, the software failed to perform hibernation.

Check that the backup batteries are connected.

Replace the batteries if their total charge is below 10V. If everything is correct, replace PCB3812 and/or PCB2010.

14.53: Motor running stop broken selectors (Information)

This error is due to intervention of the "Selector" breakage control mechanism.

The message reminds that …

The user must perform at least 2 rounds, with the [Handle] key before proceeding further.

The user, after having removed the error is obliged to run 2 cylinder laps with the [Handle 2] key during which may replace the broken "Selector", or Reset the Sock Cycle and perform after the repair.

14.54: Broken selectors in dangerous zone. Press [F0] (Error - Movement impossible)

This error is due to intervention of the "Selector" breakage control mechanism.

The user cannot eliminate the error, but is forced to clear the Sock Cycle with the [F0] key.

This is because the point where the rupture is detected, the Heel, does not allow an easy replacement of the broken "Selector".

The repair can be easily carried out with machine at End of Cycle.

14.55: CAN motor connection %ls (Alarm)

Check the wiring between the motor and its PCB.

14.56: CAN line error: %d (codice: %d) (Alarm)

Internal software failure . The user must turn off and then restart the machine.

If the problem persists, please contact the Technical Customer Service.

14.57: Anomaly line SPI (code: %d) (Alarm)

Internal software failure . The user must turn off and then restart the machine.

If the problem persists, please contact the Technical Customer Service.

14.58: Anomaly line SPI-INTERN (code: %d) (Alarm)

Internal software failure . The user must turn off and then restart the machine.

If the problem persists, please contact the Technical Customer Service.

14.59: Anomaly line SPI-DRUMS (code: %d) (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.60: SOCKET anomaly (code: %d) (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.61: WATCH DOG IRQ Timer (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.62: Stroke count IRQ (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.63: Cylinder motor direction of rotation inconsistent with the software (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.64: Anomaly SOCKET (WATCH DOG) (Error - Movement impossible)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.65: Current type of file NOT handled by the system (Error - Movement impossible)

In case of the occurrence of this message contact the Lonati technical staff.

14.66: High time program conversion (Error - Movement impossible)

Repeat the operation. and/ or Try to re-encode the article from Graphitron.
Furthermore … To resolve the problem … The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

14.67: Operation not allowed for file programme. CS enabled (Information)

The message reminds the user that a “.cs” type Test programme is active.
This type or specially encoded article (*.cs) is performed to achieve set results.
Therefore: During the execution of the *.cs file some operations are not permitted.

14.68: Operation not allowed (Information)

Informs that the operation cannot be performed under the current circumstances. (This is for safety reasons.)

14.69: Operation not allowed none article active (Information)

Informs that the operation cannot be performed under the current circumstances.
Activate an article to continue production.

14.70: Operation not allowed initialization CAN (Information)

You need to wait a few seconds.

14.71: Operation not allowed solenoid valves shake active (Information)

Informs that the operation cannot be performed under the current circumstances. (This is for safety reasons.)

Wait until the end of the operation. The icon corresponding is displayed in the dedicated area.

14.72: Operation not allowed machine reset disable (Information)

Informs that the operation cannot be performed under the current circumstances. (This is for safety reasons.)

14.73: Loading file *.xml executed. Turn off the machine (Alarm)

The operation was performed successfully.

The user must Turn off and then Turn on the machine.

The file is read when the machine is turned on.

14.74: Encoder not connected (Alarm)

Alerts that a malfunction has occurred in the encoder pulse count.

Check the connection of the resolver, the motor and the ECO-DD drive connector J5, ECO-DD connector J3 PCB2010 J33. If the connections are correct, replace the motor and/or the ECO-DD drive and/or PCB2010.

Type of the "Motor drive control" board : ECODD (= FD = Full Digital).

14.75: Board %s reset (code: %d) (Alarm)

Interference on the transmission.

The user must Turn off and then Turn on the machine. If the problem persists, please contact the Technical Customer Service.

14.76: Resetting enabled by hand-crank only (Information)

This message informs the user that the Start button is disabled. Only [Handle 1]/ [Handle 2] key must be used.

14.77: Timeout BUSY motor %ls (Error)

The stepper motor shown exceeded the time allowed for the operation.

The Timeout is activated via the reset command.

The user must Turn off and then Turn on the machine. If the problem persists, please contact the Technical Customer Service.

15.0: Select the motor and confirm by pressing OK (Warning)

Informs that, during numbering, it is necessary to determine the number of the motor that has the light on.
Use the arrow keys to scroll through the list of available codes. ([Large Arrows Up/Down])
Confirm with [Return] / (OK).

15.1: No board detected for this family. It is possible to save the void numeration or abort the procedure (Warning)

Informs that no connected device has been detected during numbering.
If you wish to continue working without said devices, save the numbering or cancel and check the connections of the devices.

15.2: Save the new numeration? (Warning)

Informs that the numbering procedure has been completed. Confirm with [Return] / (OK).

15.3: Saving in progress. Wait... (Warning)

The message confirms that: It was decided to save data.
Informs that a procedure/operation is in progress and the machine is processing data.
Wait for the outcome.

15.4: Numeration aborted (Warning)

The message confirms that: It was decided to NOT save data.
Informs that the numbering procedure has been cancelled manually.
The procedure must be repeated.

15.5: Confirm step-by-step motor drive board removal? (Warning)

The message informs that at least one previously numbered device is missing.
The window shows the undetected device.
If the absence of the device is confirmed, it will no longer be handled.

15.6: Numeration anomaly (code: %d) (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

15.7: Family already numbered. To renumber reset the existing numeration (Warning)

Informs that the numbering procedure is impossible because the devices are already numbered.
If you wish to re-run numbering, you first need to reset the numbering stored (enter the appropriate reset menu).

15.0: To this end see the menu: MPP numeration

15.8: ECODD numeration saving finished (Warning)

Data has been acquired (stored) successfully.

15.9: MPP numeration saving finished (Warning)

Data has been acquired (stored) successfully.

15.10: YOYO numeration saving finished. Remember to reset the loading cell (Warning)

Data has been acquired (stored) successfully.

15.11: The ECODD family boards are not numbered (Initial error)

Alerts that the software has detected non-numbered boards corresponding to the family of the devices shown. Perform a new numbering.

15.12: The MPP family boards are not numbered (Initial error)

Alerts that the software has detected non-numbered boards corresponding to the family of the devices shown. Perform a new numbering.

15.13: The YOYO family boards are not numbered (Initial error)

Alerts that the software has detected non-numbered boards corresponding to the family of the devices shown. Perform a new numbering.

15.14: ECODD boards removed and/or added. Perform numeration (Initial error)

Alerts that the software has detected previously non-numbered or numbered devices that are now absent. Perform the numbering for added devices. Or … Confirm the absence of the devices removed from the CAN circuit.

15.15: MPP piloting boards removed and/or added. Perform numeration (Initial error)

Alerts that the software has detected previously non-numbered or numbered devices that are now absent. Perform the numbering for added devices. Or … Confirm the absence of the devices removed from the CAN circuit.

15.16: YOYO removed and/or added. Carry out numbering (Initial error)

Alerts that the software has detected previously non-numbered or numbered devices that are now absent. Perform the numbering for added devices. Or … Confirm the absence of the devices removed from the CAN circuit.

15.17: Association rejected. Piloting motor with %s, selection %s wrong (Information)

Each stepping motor assembled on the machine must be associated with a command module of the CAN board.

A check carried out proved that the item selected is wrong.

The device performing Numbering has the green light on. Furthermore … The motor performs a few movements.

15.18: Association rejected. Piloting motor with %s, selection %s wrong (Information)

Each stepping motor assembled on the machine must be associated with a command module of the CAN board.

A check carried out proved that the item selected is wrong.

The device performing Numbering has the green light on. Furthermore … The motor performs a few movements.

15.19: Association rejected. Piloting motor with %s, selection %s wrong (Information)

Each stepping motor assembled on the machine must be associated with a command module of the CAN board.

A check carried out proved that the item selected is wrong.

The device performing Numbering has the green light on. Furthermore … The motor performs a few movements.

15.20: INFRARED BARRIER numbering backup completed (Warning)

Data has been acquired (stored) successfully.

15.21: The infrared barriers family boards are not numbered (Initial error)

Perform numbering in the appropriate menu.

15.22: INFRARED BARRIER boards removed and/or added. Execute numbering (Initial error)

Alerts that the software has detected previously non-numbered or numbered devices that are now absent.

Perform the numbering for added devices. Or … Confirm the absence of the devices removed from the CAN circuit.

15.23: Association rejected. Infrared barrier with %s, selection %s wrong (Information)

Each stepping motor assembled on the machine must be associated with a command module of the CAN board.

A check carried out proved that the item selected is wrong.

The device performing Numbering has the green light on. Furthermore … The motor performs a few movements.

15.24: Salvataggio numerazione %s terminata (Warning)

Data has been acquired (stored) successfully.

15.25: Le schede della famiglia %s non sono numerate (Warning)

Alerts that the software has detected non-numbered boards corresponding to the family of the devices shown. Perform a new numbering.

15.26: Schede %s rimosse e/o aggiunte. Effettuare numerazione (Initial error)

Alerts that the software has detected previously non-numbered or numbered devices that are now absent.
Perform the numbering for added devices. Or … Confirm the absence of the devices removed from the CAN circuit.

15.27: The MONOMAGNETS family boards are not numbered (Initial error)

Alerts that the software has detected non-numbered boards corresponding to the family of the devices shown. Perform a new numbering.

15.28: MONOMAGNET boards removed and/or added. Perform numbering (Initial error)

Alerts that the software has detected previously non-numbered or numbered devices that are now absent.
Perform the numbering for added devices. Or … Confirm the absence of the devices removed from the CAN circuit.

15.29: Association rejected. Monomagnet with %s, selection %s wrong (Information)

Each stepping motor assembled on the machine must be associated with a command module of the CAN board.
A check carried out proved that the item selected is wrong.
The device performing Numbering has the green light on. Furthermore … The motor performs a few movements.

15.30: MONOMAGNET board numbering save procedure completed (Warning)

Data has been acquired (stored) successfully.

15.31: Select the motor and confirm by pressing OK (Warning)

Informs that, during numbering, it is necessary to determine the number of the motor that has the light on.
Use the arrow keys to scroll through the list of available codes. ([Large Arrows Up/Down])
Confirm with [Return] / (OK).

15.32: No board detected for this family. It is possible to save the void numeration or abort the procedure (Warning)

Informs that no connected device has been detected during numbering.
If you wish to continue working without said devices, save the numbering or cancel and check the connections of the devices.

15.33: Save the new numeration? (Warning)

Informs that the numbering procedure has been completed. Confirm with [Return] / (OK).

15.34: Saving numeration in progress. Please wait… (Warning)

Informs that a procedure/operation is in progress and the machine is processing data.
Wait for the outcome.

15.35: Numeration aborted (Warning)

The message confirms that: It was decided to NOT save data.
Informs that the numbering procedure has been cancelled manually.
The procedure must be repeated.

15.36: Confirm motor drive board removal? (Warning)

The message informs that at least one previously numbered device is missing.
The window shows the undetected device.
If the absence of the device is confirmed, it will no longer be handled.

15.37: Numeration anomaly (code: %d) (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

15.38: Family already numbered. To renumber reset the existing numeration (Warning)

Informs that the numbering procedure is impossible because the devices are already numbered.
If you wish to re-run numbering, you first need to reset the numbering stored (enter the appropriate reset menu).

15.39: Select the motor and confirm by pressing OK (Warning)

Informs that, during numbering, it is necessary to determine the number of the motor that has the light on.
Use the arrow keys to scroll through the list of available codes. ([Large Arrows Up/Down])
Confirm with [Return] / (OK).

15.40: No board detected for this family. It is possible to save the void numeration or abort the procedure (Warning)

Informs that no connected device has been detected during numbering.
If you wish to continue working without said devices, save the numbering or cancel and check the connections of the devices.

15.41: Save the new numeration? (Warning)

Informs that the numbering procedure has been completed. Confirm with [Return] / (OK).

15.42: Saving numeration in progress. Please wait… (Warning)

Informs that a procedure/operation is in progress and the machine is processing data.
Wait for the outcome.

15.43: Numeration aborted (Warning)

The message confirms that: It was decided to NOT save data.
Informs that the numbering procedure has been cancelled manually.
The procedure must be repeated.

15.44: Confirm removal YOYO? (Warning)

The message informs that at least one previously numbered device is missing.
The window shows the undetected device.
If the absence of the device is confirmed, it will no longer be handled.

15.45: Numeration anomaly (code: %d) (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

15.46: Family already numbered. To renumber reset the existing numeration (Warning)

Informs that the numbering procedure is impossible because the devices are already numbered.
If you wish to re-run numbering, you first need to reset the numbering stored (enter the appropriate reset menu).

15.47: Select the motor and confirm by pressing OK (Warning)

Informs that, during numbering, it is necessary to determine the number of the motor that has the light on.
Use the arrow keys to scroll through the list of available codes. ([Large Arrows Up/Down])
Confirm with [Return] / (OK).

15.48: No board detected for this family. It is possible to save the void numeration or abort the procedure (Warning)

Informs that no connected device has been detected during numbering.
If you wish to continue working without said devices, save the numbering or cancel and check the connections of the devices.

15.49: Save the new numeration? (Warning)

Informs that the numbering procedure has been completed. Confirm with [Return] / (OK).

15.50: Saving numeration in progress. Please wait… (Warning)

Informs that a procedure/operation is in progress and the machine is processing data.
Wait for the outcome.

15.51: Numeration aborted (Warning)

The message confirms that: It was decided to NOT save data.
Informs that the numbering procedure has been cancelled manually.
The procedure must be repeated.

15.52: Do you want to confirm removal of the INFRARED BARRIER board? (Warning)

The message informs that at least one previously numbered device is missing.
The window shows the undetected device.
If the absence of the device is confirmed, it will no longer be handled.

15.53: Numeration anomaly (code: %d) (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

15.54: Family already numbered. To renumber reset the existing numeration (Warning)

Informs that the numbering procedure is impossible because the devices are already numbered.
If you wish to re-run numbering, you first need to reset the numbering stored (enter the appropriate reset menu).

15.55: Select the MONOMAGNET board and confirm with OK (Warning)

Informs that, during numbering, it is necessary to determine the number of the motor that has the light on.
Use the arrow keys to scroll through the list of available codes. ([Large Arrows Up/Down])
Confirm with [Return] / (OK).

15.56: No board detected for this family. It is possible to save the void numeration or abort the procedure (Warning)

Informs that no connected device has been detected during numbering.
If you wish to continue working without said devices, save the numbering or cancel and check the connections of the devices.

15.57: Save the new numeration? (Warning)

Informs that the numbering procedure has been completed. Confirm with [Return] / (OK).

15.58: Saving numeration in progress. Please wait… (Warning)

Informs that a procedure/operation is in progress and the machine is processing data.
Wait for the outcome.

15.59: Numeration aborted (Warning)

The message confirms that: It was decided to NOT save data.
Informs that the numbering procedure has been cancelled manually.
The procedure must be repeated.

15.60: Confirm MONOMAGNET board removal? (Warning)

The message informs that at least one previously numbered device is missing.
The window shows the undetected device.
If the absence of the device is confirmed, it will no longer be handled.

15.61: Numeration anomaly (code: %d) (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

15.62: Family already numbered. To renumber reset the existing numeration (Warning)

Informs that the numbering procedure is impossible because the devices are already numbered.
If you wish to re-run numbering, you first need to reset the numbering stored (enter the appropriate reset menu).

16. … Lubrication unit management

This information only applies to the following models: DONNA machines
More in particular: Models equipped with the following device: Oiler !da duplicazione!
No configuration menu is provided for the models shown.

The Antitwist rotation through a device (pump) sends in pressure the oil circuit allowing lubrication of the various moveable parts of the machine.
A pressure switch check that the pressure is correct for a proper pumping.
On the pressure switch there is a contact that opens or closes depending on pressure.

After some minutes of functioning with higher-speed to 249 Rpm, the software check that the contact is closed.
After 5 minutes of machine stop (not in motion) necessary for the gradual adaptation of Pressure Switch, the software check that the Contact is open.

For the position of the input refer to the instructions given in the message: 37. __
In particular, refer to the paragraph: Outputs / Inputs

In the event of a false error …

Check that the sensor is functioning and properly positioned. In the auto-test menu, check that the status of the input switches. Check the connection between the sensor and the board. Eventually replace these components. and/ or Replace the cables.

16.0: Oil missing (Error - Movement impossible)

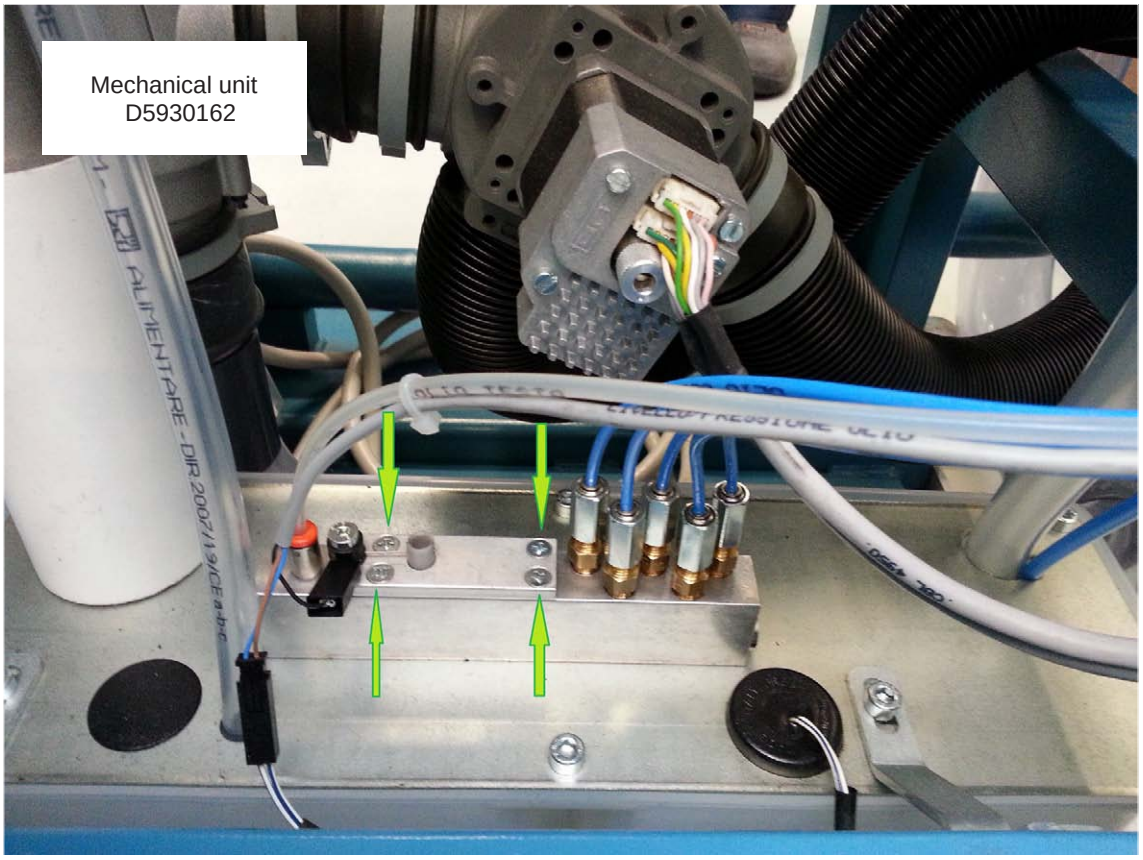
This error is caused by the lowering of the tank oil level. Check the oil level and eventually restore it.
With stop active, the inputs Autotest displays the value … **Green Led** .

16.1: Oil pressure (Error - Movement impossible)

This error informs the user that the pressure (necessary for the effective lubrification) is not enough.
Failure can be caused by … Air bubbles near the sensor. Air bubbles may form when pouring oil.
In this case is neccessary … Create air vent.
See figure on next page. Loosen the screws indicated.
At this point erase the error with [F8] and start the machine.
Wait until the lubricant bleeds from the small space (clearance) underneath the plate. [D4540404]
Stop the machine. Return the mechanical unit to the home position.
When the sensor is reading, the input Autotest LED colour is … **Green** .

16.2: Oil pressure still present (Error - Movement impossible)

The lubrication circuit is still pressurized.
This error informs the user that, after a certain period of time with the machine stopped, the return signal from the Pressure control device is not in the correct status.
Check that the ducts are not blocked.


Mechanical unit
D5930162

17.1: Saving yarn sliding setup... (Warning)

This message informs the user that Setup data is being saved.
Wait for the outcome. You need to wait a few seconds.

17.2: Yarn sliding setup saving finished (Warning)

Data has been acquired (stored) successfully.

17.3: Yarn sliding setup saving error (Error)

Informs that saving has failed. Go back to the menu and try again.
Or … Reboot the machine and repeat the operation.
If the problem persists, please contact the Technical Customer Service.

17.4: SPYDER numeration not found, perform numeration (Initial error)

Perform numbering in the appropriate menu.

17.5: SPYDER numeration completed (Warning)

The sensors have been numbered. The message confirms that you can exit the menu. Press [Esc] to exit until the Save Setup window is displayed: click [Y] to confirm.

17.6: Overrun in comunicating with sensors (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

17.7: No SPYDER sensor found: please check the connections (Initial error)

Alerts that the board has not detected the sensors.
Check the wiring from the interface connector to the board.

17.8: The SPYDER sensors (DFil????.up) do not have the correct software: required version %d.%d (Initial error)

For a correct functioning, even if is not essential, is useful that all the sensors mounted are updated with the same version. This software must be compatible with the machine software.
Update the sensors to the required version.

17.9: SPYDER error - Yarn broken n. %d (Error)

This error alerts the user that the yarn matched to the sensor "%d" is broken, or it is however stationary when it should be in sliding.

The sensors reading is mainly determined by a series of parameter.
To this end see the menu:
Parameters of sensors and/ or Enable yarns sliding control

If this stop occurs while the yarn is sliding, it is clearly a false error.
Proceed with the following operations:

- Clean the reading window of the sensor. Eventually carry out a new Learning.
- Check that the sensor does not consider the yarn stationary (led ?) even if it is in sliding. Eventually raise the sensibility of the sensor. Or … Replace the sensor that has found the error.

For further information see also: **Leds status of the SPYDER sensors** [GUIDE OF USER INTERFACE]

17.10: Updating yarn sliding software... (Warning)

This message alerts the user that an upgrading of the specified board(s) is in progress.
Wait for the outcome. You need to wait a few seconds.
Levels : After a software update, the default values are restored.
The change determines the loss of the previous Learning and therefore, in automatic, in the machine it will activate the status of Learning.

17.11: Yarn sliding software update successfully installed (Warning)

The operation was performed successfully.

17.12: Yarn sliding software update failed (Warning)

The message informs that board(s) upgrading failed. Go back to the menu and try again.
Or … Reboot the machine and repeat the operation.
If the problem persists, please contact the Technical Customer Service.

17.13: Sampling of sensor %d failed (Error)

Interference on the transmission. The user must Turn off and then Turn on the machine. If the problem persists, please contact the Technical Customer Service.

17.14: Command dispatch to sensors failed (Error)

Check the connection between the sensor and the board.

17.15: SPYDER sensors added or removed (Initial error)

Alerts that the software has detected sensors that had been previously non-numbered or numbered but are now missing.

Refer to the menu: **Yarn sliding sensors identification**

In particular, refer to the paragraph: In case of Addition, Replacement, or Removal of one or more sensors.

17.16: Wrong sensor %d configuration (Initial error)

Internal software failure . The user must turn off and then restart the machine.

If the problem persists, please contact the Technical Customer Service.

Furthermore …

Check the connection between the sensor and the board.

Check the senosor status, eventually replace it.

17.17: Wait for sensor ID assignment (Warning)

The device being numbered has one light off. The green light is the one that goes off. Evaluate the ordinal number to assign.

Refer to the menu: **Yarn sliding sensors identification**

In particular, refer to the paragraph: **Procedure**

17.18: Sensor logical ID already assigned (Warning)

Use the arrow keys to scroll through the list of available codes.

The list of codes not yet assigned reduces gradually as you advance.

Confirm with [Return] / (OK).

17.19: Numeration already existing. To renumber, reset the old numeration (Warning)

Access to the menu is only allowed in the following case: The dedicated memory is completely empty.

Launch the reset command before executing a new acquisition.

17.20: Sampling command sent by the AXE failed (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.
Furthermore …
Check the connection between the sensor and the board.
Check the senosor status, eventually replace it.

17.21: AXE reception queue of sensor data full (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.
Furthermore …
Check the connection between the sensor and the board.
Check the senosor status, eventually replace it.

17.22: SPYDER numeration finished, Save the new numeration? (Warning)

Confirm with [Return] / (OK). [A] to cancel.

17.23: SPYDER habilitations saved (Warning)

Data has been acquired (stored) successfully.
The sensor remain disabled until a following machine turning off.

17.24: SPYDER parameters copied (Warning)

The operation was performed successfully.
All the devices have now the same parameter configuration (level).

17.25: SPYDER parameters restored (Warning)

The operation was performed successfully.
Restoration of the DEFAULT parameters, the standard configuration present in the software.
All the devices have starting parameters.

17.26: Cannot access the file scorFil.xml (Error)

The message informs that there are file write/read problems.
The file contains data referring to: Yarn sliding acquisition.
Furthermore … To resolve the problem … The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

17.27: Uncut yarn sensor %d (Error)

This message informs the user that: The yarn matched to the sensor "%d" has not been cut, or it is still sliding when it should be stationary.
If this stop occurs while the yarn is stationary, it is clearly a false error.
This may mean an excessive sensibility of the sensor (read the yarn in sliding even when it almost stopped), or excessive yarn mobility (little tension) that keeps the yarn free to fluctuate too much in the phase of stop.
See the description provided for the message: 17.9 .

Proceed with the following operations:

- Check that the sensor does not consider the yarn in sliding (Led ?) even if it is stationary. Eventually lower the sensibility of the sensor. Or … Replace the sensor that has found the error.
- Clean the reading window of the sensor. Eventually carry out a new Learning.

17.28: Cannot access the file scorTrac.log (Error)

The message informs that there are file write/read problems.
The file contains data referring to: Recent behaviour of the system.
To this end see the menu: Export file log
This menu is for use by our technicians.
Command used to create a diagnostic file of recent behaviour.

17.29: File scorTrac.log successfully created (Warning)

The operation was performed successfully.

17.30: Anomaly line SPYDER (code: %d) (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

17.31: Overflow buffer messagges line SPYDER (Alarm)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

17.32: At least one non-controllable SPYDER found. Remove it (Initial error)

Models equipped with PCB 2009
The models to which this document relates only accept the following devices: Sensors **Spyder 2S**

17.33: None signal from sensors SPYDER (Error)

Check the connection between the sensor and the board.

17.34: Sensor parameters acquired (Error)

The operation was performed successfully.
The user can create a further Level personalized (Level 0) through the modify of the single parameters.
Confirm with [Return] / (OK).

19.0: Setup modification cancelled (Warning)

The message confirms that: It was decided to NOT save data.

19.1: Setup saving completed (Warning)

Data has been acquired (stored) successfully.

20. …

Refer to the menu: Fan contactor setup (= Setup menu → Fan contactor setup)

If machine is prepared for the external Suction Fan, then is mounted a device which is a Contactor and a Thermal Relay, on the Vac Line (Power) for the same Fan.
When the Fan is enabled a 24 Vdc command arrives to the Contactor coil, allowing the closure of the contacts and the passage of the tension.

Remember that:
In the machine Setup must be enabled the functioning of the external Suction Fan.
The disabled device is not handled even when it is connected.
The Thermal Relay is a protection for maximum current, must be adjusted to the maximum current consumption allowed in the Fan compared with the supply voltage (Three-phase line).
When occurs the current protection (Thermal relay), the Contactor is disengaged and the Fan remain without power.

Functioning (Type of enable)
In any case …
The emergency button stops the fan.
When the fan must stop, the logic unit await until the VPE is at a standstill.
The fan always activates when the manual command is used for the VPE.

[A] Enabled (standard)

As a rule, the fan is always in operation.
The device is stopped in the following circumstances:
- When function [F1] is enabled at step Zero or End of Cycle.
- When the machine is stopped by the user. (Machine Stop Button)

In this case: the device stops after the time set in the specific field.

Fan switching-off time
If the field contains a number other than zero, the value indicates the delay in seconds.
If this field contains zero, the function is disabled.
Namely … The device is not stopped.

[B] Enabled (stop with error)

First refer to what specified for the previous entry.
In this case, there are other situations in addition to that described above.
The device is stopped in the following circumstances:
- When the machine is stopped due to the presence of a failure.

Fan switching-off time
The field has no meaning.

[Ent] Zero position AIR VACUUM VALVE

The control valve follows the program instructions and addresses the suction flow.
The stepping motor-driven valve rotates one revolution every 400 steps.
With an external fan, enter "380". Without a fan, enter "0".
Alternative management prevents the nozzle from continuing suction, which thus prevents the external fan motor from overheating.

Reference

See also …

► Autotest various outputs → EV fan contactor

► Autotest of inputs → Stop fan thermal clips

► Autotest menu → Stepping Motors → Electronic stepping vacuum valve

20.0: Fan contactor still energized! (Error - Movement impossible)

The message informs that the device is still in operation instead of being at a standstill.

Clearly … the condition is verified compared to processing and settings.

First consult the information contained at the start of the section.

► See also … Autotest menu

Check that the input/output status switches.

If the fan is not running, then … Replace the Input board of the signal control.

If the device is in operation, then … Check the presence of the 24 Vdc command in arrival to the Contactor coil.

In positive case: Replace the command signal output board.

In negative case: Replace the device: Contactor + Thermal relay.

20.1: Fan contactor not energized! (Error - Movement impossible)

First refer to what specified for the previous entry.

The message informs that the device is still stopped instead of running.

Clearly … the condition is verified compared to processing and settings.

If the device is in operation, then … Replace the Input board of the signal control.

If the fan is not running, then … Check the presence of the 24 Vdc command in arrival to the Contactor coil.

In positive case: Replace the device: Contactor + Thermal relay.

In negative case: Replace the command signal output board.

20.2: Fan contactor setup correcly saved (Warning)

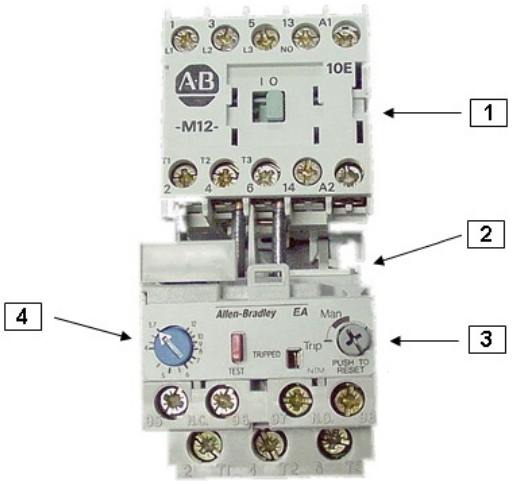
Data has been acquired (stored) successfully.

20.3: Fan contactor setup saving error (Warning)

Informs that saving has failed. Go back to the menu and try again.

Or … Reboot the machine and repeat the operation.

If the problem persists, please contact the Technical Customer Service.



Contactor + Thermal relay

1) Contactor

2) Thermal Relay

3) Reset button

4) Release Current adjustment

21.0: Starting update for %s CAN line %d. Please wait… (Warning)

This message alerts the user that an upgrading of the specified board(s) is in progress.
Wait for the outcome. You need to wait a few seconds.
In the message, the variable indicates:
%s = family of boards ; %d = CAN line
The *.up file will NOT be eliminated automatically once it has been activated.

21.1: File.up not matching with any of the defined devices (Warning)

A board update file has been selected but for board a not present in the current package.
Remember that: The disabled device is not handled even when it is connected.

21.2: Updating anomaly (code: %d) (Warning)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

21.3: Operation correctly finished (Warning)

Informs that updating has been completed successfully.

21.4: The family %s_??.up does not have the correct software installed (requires version %d.%d.%d) (Initial error)

The machine in addition to normal machine Software (system + custom) installed on the Motherboard, also uses other software installed on other boards.
This message appears in the case the "external software" installed is not compatible with the machine software.
When is turned on the machine it performs always this verification.
Load and activate the *.up file updated to the specified version.

21.5: No device can be updated for the selected family (Warning)

A board update file has been selected but for board a not present in the current package.
Remember that: The disabled device is not handled even when it is connected.

22. …

Refer to the menu: Mechanical zero (= Motor setup menu → Mechanical zero setting)

For more information, refer to the manual: **Mechanical Adjustments**

22.0: Mechanical zero missing (Initial error)

The zero proximity angular position has not yet been stored.
The machine to work properly must have acquired and stored a value (almost a "offset") which indicates the differnce (phasing) between the electrical Zero and the mechanical Zero.
Otherwise a message is displayed.
The solution is to access the machine Setup and acquire the "Mechanical Zero" through the proper procedure.

22.1: Proceed with handle 1 or 2 as indicated (Warning)

This message informs the user that the Start button is disabled.
Only [Handle 1]/ [Handle 2] key must be used.

22.2: Mechanical zero procedure aborted (Warning)

The message confirms that: It was decided to exit the procedure.
The key figure has to be acquired.

22.3: Mechanical zero saving completed (Warning)

Data has been acquired (stored) successfully.

22.4: Mechanical zero setup saving error (Error - Movement impossible)

Informs that saving has failed. Go back to the menu and try again.
Or … Reboot the machine and repeat the operation.
If the problem persists, please contact the Technical Customer Service.

22.5: No response from motor drive (Error - Movement impossible)

Check the correct connections of the CAN cable between the Pcb 2010 board and the Motor Drive board.
Eventually replace the cables and the boards concerned.

23.0: Needles machine number %d not found in maz2maky (Error)

Alerts that the number of needles set in the setup menu is not handled by the software.
The user is required to check the "Number of needles" set in the Sock Program and compare it with that shown in the machine identification plate.
Set the "Needles number" of the machine cylinder.

23.1: Function type %d not found (function id = %d - max. managed function num. = %d) step:%d degree:%d (ex Function type %d not found (function id = %d - max. managed function num. = %d)) (Error)

Alerts that article is not encoded for the software version installed in the machine. !da duplicazione!
Check the software version of the machine and upgrade it with Digraph or vice versa.
(and/ or Graphitron).

23.2: Wrong encoded number of drums (%d) (expected number = %d) (Error)

Alerts that article is not encoded for the software version installed in the machine. !da duplicazione!
Check the software version of the machine and upgrade it with Digraph or vice versa.
(and/ or Graphitron).

23.3: Suspended pattern not found (Error)

Alerts that there is inconsistency in article programming halt/ restart.
Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

23.4: Program needles number (%d) not matching the machine needles number (%d) (Error)

This alarm is displayed when, on Sock Program activation, the software detects a difference between the "Number of needles" in the Coded Program and that under machine Setup.
The user is required to check the "Number of needles" set in the Sock Program and compare it with that shown in the machine identification plate.

- If it doesn't corresponds, correct the Sock Program by GRAPHITRON.
- If it corresponds, access to the machine Setup and set the correct value.

A typical situation in which may appear this problem is a result of a Setup Reset or replacement of the motherboard.
In both cases the user is obliged to set again the Setup, with the possibility of oversight or error in the set of this value.

23.5: Encoded diameter %d not matching the set-up machine diameter %d (Error)

This alarm is displayed when, on Sock Program activation, the software detects a difference between the "Cylinder Diameter" in the Coded Program and that under machine Setup.
The user is required to check the "Diameter of cylinder" set in the Sock Program and compare it with that shown in the machine identification plate.
Proceed as already shown for message: 23.4 .

23.6: Codified program version %d.%d not compatible with the %d.%d set up in machine (Error - Movement impossible)

This alarm indicates incompatibility between the programming software (Graphitron) and the machine software (Eprom). The machine software check that the Codified Program has a Version index compatible with that of the machine.

The solution, depending on the case, is to update the machine software or the Graphitron. Of course, in the case of Graphitron updating the sock program must be coded again.

23.7: Encoded machine name not compatible with the machine (Error - Movement impossible)

Sock Program not compatible with the machine software.

This Program not corresponds to the machine model, it regards another machine model, for which is not valid.

Load a specific article for that model.

23.18: No programming of motor %ls (Error - Movement impossible)

Alerts that the motor shown has not been programmed in article.

Check and correct the encoded article.

23.19: Eccentric stitch cam encoded (%d) different from eccentric set in machine (%d) (Error - Movement impossible)

The message appears when the Sock Programme is activated.

The software has detected a difference between the mechanical part entered under Setup and that entered in the Programme.

The user is required to check the type of "Stitch cams" set in the Sock Program and compare it with that set in the machine Setup.

Correct the Sock program. Or … Access to the machine Setup and set the correct value.

Refer to the menu: Configure stitch cam gauge (= Configuration stitch cams calibration → Gaunge stitch cams)

23.20: Wrong routine picker programming degree (Error - Movement impossible)

The degree of start of picker routine is greater than the end value.

Check programming from Graphitron.

23.21: Article %s is not present in the machine (Error - Movement impossible)

This error is usually generated on activation of a concatenated work. Operation on chaining is meaningful if the called-up items are present.

The user should load on the Sock program that wants to produce.

23.22: Size %d not codified in article (Error - Movement impossible)

This message informs the user that the size imposed in the active Program was not codified.

Impose a size present in the Codified Program, or through the GRAPHITRON code the missing size.

23.23: Confirmation selection position: FORWARD %d (Min=%d Max=%d) (ex Calibration drum terry out of tolerance (acqAvanti=%d acqIndietro=%d tollMin=%d tollMax=%d)) (Error)

Refer to the menu: Cylinder angle position setting drum for terry (= Setup menu drum for terry → A)

The position of the part is out of tolerance. Specific calibration must be redone.

Launch the reset command before executing a new acquisition (calibration).

Activate the article after the operation. Perform calibration on completion of mechanical resetting.

Acquisition is required for all menu items.

23.24: Codified program version %d.%d not compatible with the %d.%d set up in machine (Error)

Alerts that article is not encoded for the software version installed in the machine. !da duplicazione!

Check the software version of the machine and upgrade it with Digraph or vice versa.

(and/ or Graphitron).

23.25: Concatenated data not valid (code: %d) (Error - Movement impossible)

Check programming from Graphitron.

Re-encode the file from Graphitron.

23.26: The program was renamed. Name: %s, which is not congruous with the internal to the file: %s (Error - Movement impossible)

The file has been renamed manually.

The machine does not accept this operation.

Re-encode the file from Graphitron.

23.27: Confirmation selection position: BACKWARDS %d (Min=%d Max=%d) (Error)

See the description provided for the message: 23.23 .

23.28: Programme valid for motorized stitch cams. Activation enabled by setup (Warning)

Refer to the menu: Configuration stitch cams calibration (= Stitch-cams calibration → Configuration calibration)

The message refers to the item: **Motorized stitch cam programme control**

If an article is re-encoded using a recent version of Graphitron, the motorized stitch cam line is compiled.

Machines with only-pneumatically operated stitch cams reject the programme.

- See the description provided for the message: 50.5 .

The models quoted require: Eliminates parameters by means of computer.

Or … De-select the item indicated.

Therefore:

With management disabled: This message appears when the programme described above is activated. The machine accepts the programme.

24. …

Refer to the menu: Import codified program

When a coded item is reloaded on machine, the “holding procedure” starts automatically.
The process consists of comparing two files of the same name by the software.
The procedure is used to hold the improvements made to current item from the machine console.

If the result is positive, any changes to economy, speed, narrowing, elastic yarn feed and stepper motor settings will be held.

To this end see the menu: Restoring menu
This menu can be used to cancel on the current item some or all the modifications made from the machine console.

Obviously …
If the following condition is met, the operation will be successful.
The two files must have the same number of zones and be part of the same order.

Any item features not involved in optimisations will be overwritten.
If the item being loaded is active, any changes will take effect from the next work cycle.

24.0: MAINTENANCE decompression ko (Error - Movement impossible)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

24.1: MAINTENANCE INTERRUPTED: %s (Error - Movement impossible)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

24.2: MAINTENANCE successfully finished (Warning)

The operation was performed successfully.

25. …

Refer to the menu: Inputs setup (= Machine management setting → Enable Outputs)

See also the menu: Autotest levers (Drums)

Drums board Pcb 3819 : LED light meaning

LED light	colour	Function
Ds1	Yellow	Presence of -100V
Ds2	Red	Presence of +100V
Ds3	Red	Short-circuiting alarm
Ds4	Red	Alarm - Pattern drum not connected
Ds5	Green	Presence of SPI clock

25.00: Short circuit drums board 1 (Error - Movement impossible)

A pattern drum or control board short-circuiting was detected.
The causes of the alert can be the following:

1. The pattern drum has short-circuited.
2. Faulty board.
3. The cable is damaged.

Cut out part of the circuit to find out the faulty element.
If when disabling a device, the errors disappear, it means that device was the source of the malfunction.
This operation must be performed with the machine turned off. Turn off the machine from the main switch.

Disconnect all the pattern drums from the control board. Turn on the machine again.
If the error disappears, one of the cut-out elements is faulty.
Disconnect one of the pattern drums from the control board. Turn on the machine again. Repeat the procedure until the error disappears. At this point, it means that the element that caused the alert has been cut out. Replace the Pattern Drum.

If the error persists, it means that the fault has originated from the circuit elements.
Replace the cable or the board.

Other similar messages

25.1	Short circuit drums board 2		
25.2	Short circuit drums board 3	25.3	Short circuit drums board 4
25.48	Short circuit drums board 5	25.49	Short circuit drums board 6

25.70: BUS connection drum board 1 (Error - Movement impossible)

Check the wiring from the connector to the board.
In particular:
CVP 320 : Pcb 5716 , J1 / Pcb 2010 , J18

Other similar messages

25.71	BUS connection drum board 2		
25.72	BUS connection drum board 3	25.73	* LINUX *
25.74	* LINUX *	25.75	Connessione BUS scheda tamburini 6

25.4: Drum 4 not connected (SK1-J1) (Error - Movement impossible)

This error informs the user that any cable for the Pattern Drums is disconnected from the Pattern Drum itself or from the output board for the Pattern Drums commands.

The user should assess which are the Pattern Drums connected to that particular board, and check their correct connection, both on the board side or on the Pattern Drum side.

Check the wiring from the connector to the board. Eventually replace these components.

Replace the Pattern Drum.

Other similar messages

25.7	Drum 1 not connected (SK1-J4)	25.27	Drum 1a not connected (SK1-J1)
25.28	Drum 1a not connected (SK1-J2)	25.52	Drum 1r not connected (SK2-J3)
25.53	Drum 1r not connected (SK2-J4)	25.20	Drum 2 not connected (SK1-J1)
25.21	Drum 2 not connected (SK1-J2)	25.6	Drum 2 not connected (SK1-J3)
25.50	Drum 2 not connected (SK2-J1)	25.51	Drum 2 not connected (SK2-J2)
25.31	Drum 2 not connected (SK2-J3)	25.32	Drum 2 not connected (SK2-J4)
25.56	Drum 2a not connected (SK3-J3)	25.57	Drum 2a not connected (SK3-J4)
25.29	Drum 2a not connected (SK2-J1)	25.30	Drum 2a not connected (SK2-J2)
25.54	Drum 2r not connected (SK3-J1)	25.55	Drum 2r not connected (SK3-J2)
25.5	Drum 3 not connected (SK1-J2)	25.25	Drum 3 not connected (SK2-J3)
25.26	Drum 3 not connected (SK2-J4)	25.35	Drum 3 not connected (SK3-J3)
25.36	Drum 3 not connected (SK3-J4)	25.60	Drum 3 not connected (SK4-J3)
25.61	Drum 3 not connected (SK4-J4)	25.42	Drum 3 not connected (SK2-J1)
25.43	Drum 3 not connected (SK2-J2)	25.46	Drum 3a not connected (SK3-J3)
25.47	Drum 3a not connected (SK3-J4)	25.58	Drum 3a not connected (SK4-J1)
25.59	Drum 3a not connected (SK4-J2)	25.33	Drum 3a not connected (SK3-J1)
25.34	Drum 3a not connected (SK3-J2)	25.64	Drum 3r not connected (SK5-J3)
25.65	Drum 3r not connected (SK5-J4)		
25.4	Drum 4 not connected (SK1-J1)	25.23	Drum 4 not connected (SK2-J1)
25.24	Drum 4 not connected (SK2-J2)	25.39	Drum 4 not connected (SK4-J3)
25.40	Drum 4 not connected (SK4-J4)	25.62	Drum 4 not connected (SK5-J1)
25.63	Drum 4 not connected (SK5-J2)	25.44	Drum 4 not connected (SK3-J1)
25.45	Drum 4 not connected (SK3-J2)	25.68	Drum 4a not connected (SK6-J3)
25.69	Drum 4a not connected (SK6-J4)	25.37	Drum 4a not connected (SK4-J1)
25.38	Drum 4a not connected (SK4-J2)	25.66	Drum 4r not connected (SK6-J1)
25.67	Drum 4r not connected (SK6-J2)		
25.11	Drum 5 not connected (SK2-J4)	25.10	Drum 6 not connected (SK2-J3)
25.9	Drum 7 not connected (SK2-J2)	25.8	Drum 8 not connected (SK2-J1)
25.15	Drum 9 not connected (SK3-J4)	25.14	Drum 10 not connected (SK3-J3)
25.13	* LINUX *	25.12	Tamburino 12 non connesso (SK3-J1)
25.19	Tamburino 13 non connesso (SK4-J4)	25.18	* LINUX *
25.17	* LINUX *	25.16	* LINUX *

25.41: Lack of tension drums board (Error - Movement impossible)

Voltage +/-100 Vdc (pattern drum power) is created on supply board "Res off-line 100", it is read by the 220 Vac supply on the board.

The information on the integrity of this tension (control signal) comes out of this board and arrives to the Pcb 2010 board. (J45)

In the event of an error, check that the output voltage of supply board is +/- 100VDC.

If there isn't this voltage: Replace the board.

If the voltage is correct: Check the wiring that connect that connect the various boards.

Or … Eventually replace the cables and the boards concerned.

27. …

Refer to the menu: Sinker cam cap menu
See also the menu: Restoring menu

27.0: MPP values out of range (min. %d - max. %d) (Warning)

Informs that values below and above the standard allowed have been entered.
The value is expressed as motor steps.

27.1: MPP values correctly saved (Warning)

The operation was performed successfully.

27.2: MPP values correctly restored (Warning)

Informs that the programmed values have been restored.

27.3: MPP values encoding writing failure (Warning)

The changes have not been saved. This particular message is a symptom of a Hardware or Software problem.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

28. …

Refer to the menu: Yarn modification and/ or Saw blade speed modification
See also the menu: Restoring menu

28.0: YARN data out of range (min. %d - max. %d) (Warning)

Informs that values below and above the standard allowed have been entered.
The value is expressed in RPM (revolutions per minute).

28.1: YARN data correctly saved (Warning)

The operation was performed successfully.

28.2: YARN data correctly restored (Warning)

Informs that the programmed values have been restored.

28.3: YARN data encoding writing failure (Warning)

The changes have not been saved. This particular message is a symptom of a Hardware or Software problem.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

29. …

Refer to the menu: Modify YOYO
See also the menu: Restoring menu

29.0: YOYO data out of range (min. %d - max. %d) (Warning)

Informs that values below and above the standard allowed have been entered.
The value is expressed as motor steps.

29.1: YOYO data correctly saved (Warning)

The operation was performed successfully.

29.2: YOYO data correctly restored (Warning)

Informs that the programmed values have been restored.

29.3: YOYO data encoding writing failure (Warning)

The changes have not been saved. This particular message is a symptom of a Hardware or Software problem.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

30. …

Do not currently managed.

30.0: IRO data out of range (min. %d - %d) (Warning)

Informs that values below and above the standard allowed have been entered.
The value is expressed in RPM (revolutions per minute).

30.1: IRO data correctly saved (Warning)

The operation was performed successfully.

30.2: Recovery of the program original values successfully finished (Warning)

Informs that the programmed values have been restored.

30.3: IRO data encoding writing failure (Warning)

The changes have not been saved. This particular message is a symptom of a Hardware or Software problem.
Go back to the menu and try again. Or … Reboot the machine and repeat the operation. If the problem persists, please contact the Technical Customer Service.

31. …

CAN Line messages

Refer to the menu:	Menu numbering
See also …	Step motors menu

The message contains two variables.
(%d) = This variable expresses the error via the code for internal use.
%ls = This variable indicates: The motor.
The variable can have the following values:

SIZING MOTOR	AIR VACUUM VALVE
SINKER CAP	SINKER ANGLE
STITCH-CAM HEEL RETURN	STITCH CAM 1
STITCH CAM 2	STITCH CAM 3
STITCH CAM 4	DIAL RAISER
PYF 1	PYF 2
PYF 3	PYF 4
PYF 5	PYF 6
PYF 7	PYF 8
RADIAL MOTOR 1	RADIAL MOTOR 2
RADIAL MOTOR 3	RADIAL MOTOR 4
Elastic 1	ELASTIC 2
SAW	SHUTTER VALVE EXTERNAL CLOSED TOE
VERTICAL PICKUP DEVICE ARM	ANGLED PICKUP DEVICE ARM
PICKUP DOWN	PICKUP UP
PIN FEED	LINKER MOTOR
TURNING DEVICE DOWN INCLINATION	PIN UNIT REVERSE
PLAIN FEED 1	PLAIN FEED 2
RIB FEED 1	RIB FEED 2
HEEL	WEIGHT TUBE
TRATTENUTO CAD. 1	SCARICATO CAD. 1
SUPPLEMENTARE CAD.1	TRATTENUTO CAD. 2
SCARICATO CAD. 2	SUPPLEMENTARE CAD.2
TRATTENUTO CAD. 3	SCARICATO CAD. 3
SUPPLEMENTARE CAD.3	TRATTENUTO CAD. 4
SCARICATO CAD. 4	SUPPLEMENTARE CAD.4

In general, for all the CAN Errors/ Alarms, after having evaluated the specific problem indicated by error, also to assess as a possible cause a general problem of the CAN system (software and hardware).
More in particular:
A problem in the software writing, an hardware problem on the CAN boards, a disorder on the CAN transmission.

31.0: Supply tension too high: %ls (%d) (Alarm)

This message indicates that the CAN module associated with the motor is powered at a higher voltage than allowed.
The software recognizes through the Hardware of the module that this value is not within the margins established.

Proceed as follows to solve the problem:

- Check the presence of eventually noise on power Three-Phase Line of the machine.
- Check the power supply (voltage) of the CAN board relative the motor indicated in the message. Replace the board(s) if necessary.

31.1: Phase current too high: %ls (%d) (Alarm)

This message indicates that the CAN module associated with the motor provides to the motor a phase current more high than allowed.

The software recognizes through the Hardware of the module that this value is not within the margins established.

Proceed as follows to solve the problem:

- Check the presence of eventually noise on power Three-Phase Line of the machine.
- Check the power supply (voltage) of the CAN board relative the motor indicated in the message. Replace the board(s) if necessary.
- Replace the stepping motor indicated in the message.
- In general, for all the CAN Errors/ Alarms, after having evaluated the specific problem indicated by error, also to assess as a possible cause a general problem of the CAN system (software and hardware).

31.2: Excessive temperature: %ls (%d) (Alarm)

See the description provided for the message: 31.1 .

31.3: Pin motor encoder phase Z not found during zeroing %ls (%d) (Alarm)

Motor … **PIN FEED**

The motor position is controlled by an encoder. The encoder sends a signal depending on the phase (angle) of the driveshaft

After any maintenance, the motor is remounted but the random position of the shaft creates a blind point: the encoder zero signal is too close to the proximity zero (motor unit in the home position).

Proceed as follows to solve the problem: Dismount the motor, rotate the shaft by half turn and remount it.

31.4: ID CAN: %ls (%d) (Alarm)

Refer to the menu: MPP numeration

Remember that:

In this window you can run the numbering of the CAN modules (boards for the control of "stepping motors").

These modules are any type of control boards which can command one or more "stepping motors".

Each board present in the machine must be numbered so that it's recognized by the software, for each board will be at the same time associated the motors available on the machine.

The message indicates that a control module has lost the identification number.

Check the wiring from the connector to the board.

Check the wiring between the motor and its PCB.

Replace the CAN module associated with the motor indicated in the message.

See table: **Motor in Numbering / Board in numbering**

See the pages that follow.

Motor in Numbering	Board in numbering
DIAL RAISER	DG_STEP_MOT_ALZABORDO
DIAL RAISER	REMOTE_STEPX_MOT_ALZABORDO
SIZING MOTOR	REMOTE_POWER_ALZACILINDRO
SIZING MOTOR	REMOTE_STEPX_ALZACIL
CYLINDER RAISING - DIAL RAISING - SAW DEVICE	FOUR_STEP_ALZACIL_BORDO_SEG
SIZING MOTOR ELASTIC 1&2 DIAL RAISER	FOUR_STEP_ALZACIL_ELA1e2_ALZABORDO
SIZING MOTOR ELASTIC 1&2 DIAL RAISER SAW	FOUR_STEP_ALZACIL_ELA1e2_BORDO_SEG
SIZING MOTOR ELASTIC 1&2 ELASTIC 2	FOUR_STEP_ALZACIL_ELA1e2_ELA2
SINKER ANGLE	REMOTE_STEP_COP_PLAT_ANG
SINKER ANGLE + ENCODER	REMOTE_POWER_COP_PLAT_ANG
SINKER ANGLE + ENCODER	REMOTE_STEPTX_COP_PLAT_ANG
PIN FEED-LINKER	REMOTE_STEPTX_AVSPILLI_CUCI
PIN FEED-LINKER-TURNING DEVICE-FLIPPING FEED	FOUR_STEP_AVSPILLI_CUCI_ROVINCLI_RIBSPILLI
ANGLED PICKUP DEVICE ARM	REMOTE_STEPX_BRACCIO_ANG
VERTICAL PICKUP DEVICE ARM	REMOTE_STEPX_BRACCIO_VERT
VERTICAL-ANGLED PICKUP DEVICE ARM UPPER-LOW REVERSER	FOUR_STEP_BRACCIO_VERTeANG_ROV_BASSOeALTO
SINKER CAP	REMOTE_STEP_COP_PLAT
PLAIN FEED 1	REMOTE_STEP_DIRITTO_CAD_1
PLAIN FEED 2	REMOTE_STEP_DIRITTO_CAD_2
ELASTIC 1 or ELASTIC 1and2	REMOTE_STEPX_ELASTICO_1e2
ELASTIC 2	REMOTE_POWER_ELASTICO_2
ELASTIC 2	REMOTE_STEPX_ELASTICO_2
TURNING DEVICE DOWN INCLINATION	REMOTE_STEPX_ROV_INCLI
RADIAL MOTOR 1-2-3-4	FOUR_STEP_MOT_RADIALE_1a4
PYF 1	PYF_PLUS_PYF_1
PYF 1	REMOTE_STEPX_PYF_1
PYF 1-2-3-4	FOUR_STEP_PYF_1a4
PYF 2	PYF_PLUS_PYF_2
PYF 2	REMOTE_STEPX_PYF_2
PYF 3	PYF_PLUS_PYF_3
PYF 3	REMOTE_STEPX_PYF_3
PYF 4	PYF_PLUS_PYF_4
PYF 4	REMOTE_STEPX_PYF_4
PYF 5	PYF_PLUS_PYF_5
PYF 5	REMOTE_STEPX_PYF_5
PYF 5-6-7-8	FOUR_STEP_PYF_5a8
PYF 6	PYF_PLUS_PYF_6
PYF 6	REMOTE_STEPX_PYF_6
PYF 7	PYF_PLUS_PYF_7
PYF 7	REMOTE_STEPX_PYF_7
PYF 8	PYF_PLUS_PYF_8
PYF 8	REMOTE_STEPX_PYF_8

Motor in Numbering	Board in numbering
PIN UNIT REVERSE	REMOTE_STEP_RIBALTA_SPILLI
PICKUP UP	REMOTE_STEPX_ROV_ALTO
PICKUP DOWN	REMOTE_STEPX_ROV_BASSO
RIB FEED 1	REMOTE_STEP_ROVESCIO_CAD_1
RIB FEED 2	REMOTE_STEP_ROVESCIO_CAD_2
SCARICATO CAD. 1	REMOTE_STEPRL_SCA_CAD_1
SCARICATO CAD. 2	REMOTE_STEPRL_SCA_CAD_2
SCARICATO CAD. 3	REMOTE_STEPRL_SCA_CAD_3
SCARICATO CAD. 4	REMOTE_STEPRL_SCA_CAD_4
SAW	REMOTE_STEPX_SEGHETTA
SUPPLEMENTARE CAD.1	REMOTE_STEPRL_ICS_CAD_1
SUPPLEMENTARE CAD.2	REMOTE_STEPRL_ICS_CAD_2
SUPPLEMENTARE CAD.3	REMOTE_STEPRL_ICS_CAD_3
SUPPLEMENTARE CAD.4	REMOTE_STEPRL_ICS_CAD_4
HEEL	REMOTE_STEP_TALLONE
TRATTENUTO CAD. 1	REMOTE_STEPRL_TRA_CAD_1
TRATTENUTO CAD. 2	REMOTE_STEPRL_TRA_CAD_2
TRATTENUTO CAD. 3	REMOTE_STEPRL_TRA_CAD_3
TRATTENUTO CAD. 4	REMOTE_STEPRL_TRA_CAD_4
STITCH CAM 1	REMOTE_STEP_TRIA1
STITCH CAM 2	REMOTE_STEP_TRIA2
STITCH CAM 3	REMOTE_STEP_TRIA3
STITCH CAM 4	REMOTE_STEP_TRIA4
STITCH-CAM HEEL RETURN	REMOTE_STEP_TRIA_RIT_TALL
WEIGHT TUBE	REMOTE_STEPX_TUBO_TIRAGGIO
TUBO TIRAGGIO ELASTICO 1e2 PYF 1-2	FOUR_STEP_TUBO_TIRAG_ELA1e2_PYF1_2
SHUTTER VALVE EXTERNAL CLOSED TOE	REMOTE_STEP_VPE_CTEXT
AIR VACUUM VALVE	REMOTE_STEP_VPE

31.5: Tx impossible: %ls (%d) (Error)

This is an internal alarm, it indicates that the machine software is not able to communicate properly through the CAN line with the CAN modules, and then send and receive the operation data.
This problem is probably due to a software failure, and it is supposed it will never be displayed to the user.
Contact Lonati technical staff for further information and for an eventual Software update.
Check the wiring that connect that connect the various boards.
In case of the occurrence of this message contact the Lonati technical staff.

31.6: Rx busy: %ls (%d) (Error)

See the description provided for the message: 31.5 .

31.7: Disabled module: %ls (%d) (Error)

Internal software failure . The user must turn off and then restart the machine.
If the problem persists, please contact the Technical Customer Service.

31.8: Motor busy: %ls (%d) (Error)

This error happens when to a particular stepping motor comes a command of movement without the previous has been fully executed.

A typical example of this error is when in the Sock Program on 2 consecutive steps are programmed Commands for the same motor, and at the time of the second command the first is still in implementation (the motor is still in motion).

At the end of the sock, in the moment of control of the Zero motor position, the loss of "steps" determined by the "Motor busy..." error probably will determine the appearance of the "Lost steps..." (Impossible 0 approach) error.

When appears this error is therefore advised to reset the sock, or in any case with the sock cylcle reach the step zero (the sock is however defective).

The solution is to correct the Sock Program, for example away more among them the 2 commands relating to the same stepping motor.

In case the problem remains: Contact Lonati technical staff for further information and for the information necessary for the problem solution.

31.9: LVDT reading: %ls (%d) (Error)

Do not currently managed.

31.10: Cell readout: %ls (%d) (Error)

. . . in progress . . .

31.11: skCanMppSegnalazione 12: %ls (%d) (Error)

. . . in progress . . .

31.12: ADC reading wrong: %ls (%d) (Error)

. . . in progress . . .

31.13: Impossible approach to 0: %ls (%d) (Error)

The message refers to the procedure called: Approach (motor approaching zero).
The message appears if any irregularities occur during the (automatic) procedure.
The message appears in the following circumstances:

a) **The Zero sensor is in reading before the motor has finished its movement.**

Or …

b) **The zero sensor is not reading despite the motor has already completed the movement.**

The most common causes that determine this problem are:

- Loss of "steps" due to mechanical factors (Obstructed movement).
- Loss of "steps" due to electrical factors (motor faulty or electrical control not coherent).
- Bad adjustment or malfunction of the sensor of Zero phase.

Software routine

Movement of zeroing of the motor. (during work)

During the normal Sock cycle, each step motor receives at least a command to go to the share of Zero (rest).
This command is part of the normal programming for each Stich motor (GRAPHITRON).

When the motor receives the command to go to zero, X steps are not executed.
At this point the software controls that the Zero motor sensor is not closed, since this would mean that the motor has reached the Zero position before it should have.
This can happen only if during the Sock Cycle, in the various movements, the motor has lost "steps" in a direction.

a) In this case … **The direction in leaving from the Zero position.**

If the first phase of the procedure is correct (so the Zero sensor is still open) it continues for the second.

The subsequently sequence of movement of the motor provides that "step by step" the motor run the last "X steps" missing to reach the Zero position. In practice runs a precision approach.
At this point the software controls that the Zero motor sensor is not open, since this would mean that the motor has not reached the Zero position.
This can happen only if during the Sock Cycle, in the various movements, the motor has lost "steps" in a direction.

b) In this case … **The direction in approaching to the Zero position.**

To solve the problem

- With the mechanical position of the motor correct.

Check that the sensor is functioning and properly positioned.
If the sensor does not switches on/off (always open or closed), it means it is broken.
Proceed to its adjustment and eventually replace it.
Furthermore …
In reference to this, check the status of the LED of zero on the board on the motor indicated in the message.
Replace the CAN module associated with the motor indicated in the message.

- With the mechanical position of the motor not correct.

Check the wiring that connect the sensor and the motor to the command board.
Check if the motor movement has found mechanical obstacles or a very high resistance.
Replace the stepping motor indicated in the message.

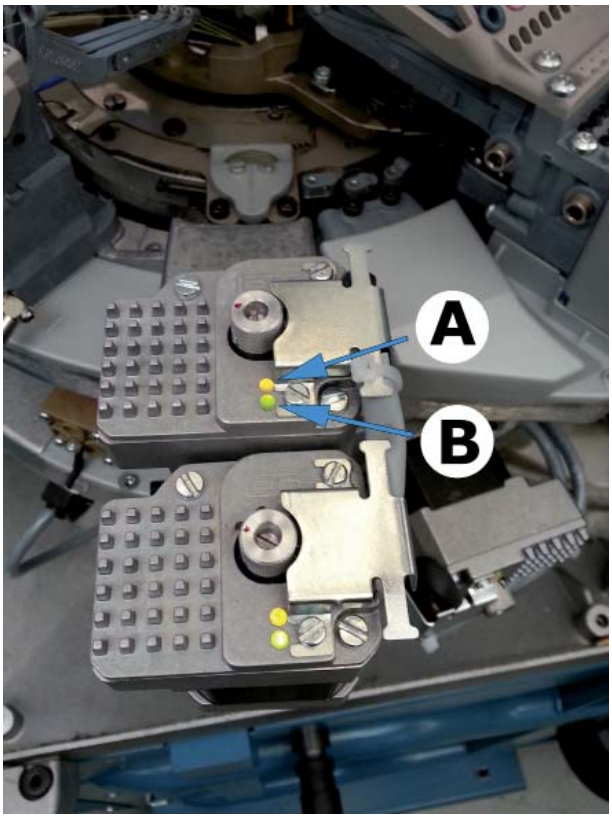
"Mpp CAN" board: Pcb 4887 , LED light meaning

LED light	Motor	Led status with motor in zero position
Ds18	Motore 1	On
Ds14	Motore 2	On
Ds11	Motore 3	On
Ds12	Motore 4	On

The components shown are close to connector J17.

Note
Between the step where is programmed the share Zero and the Step Zero must be provided a sufficient number of steps to enable the motor to run the entire Approaching/Zeroing procedure.

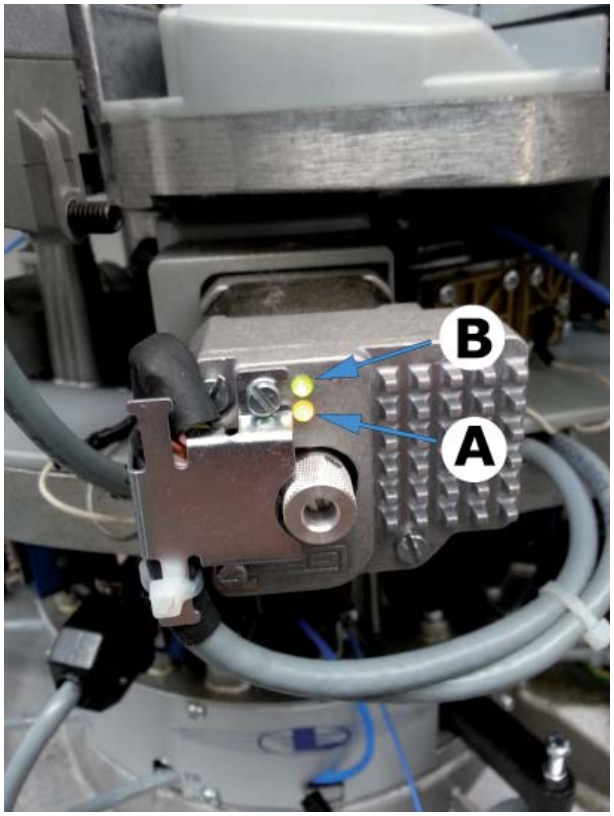
Attention
This type of error is recursive.
It is not cancel simply by pressing the [F8] key.
The best solution is to run a Zeroing ([F0]) to arrive at the End of Sock.
The machine can then return to its normal operation.
A turn off and turn on of the machine keeps the machine in the same point (if available, starts the black-out procedure).
A hardware Reset brings the machine to End of Cycle, but could cause subsequent mechanical damage.
If the problem is not resolved it will recur in the same point of the subsequent sock.



"Mpp CAN" board: Pcb 4899
LED light meaning
Sinkers cap / Sinker cap position

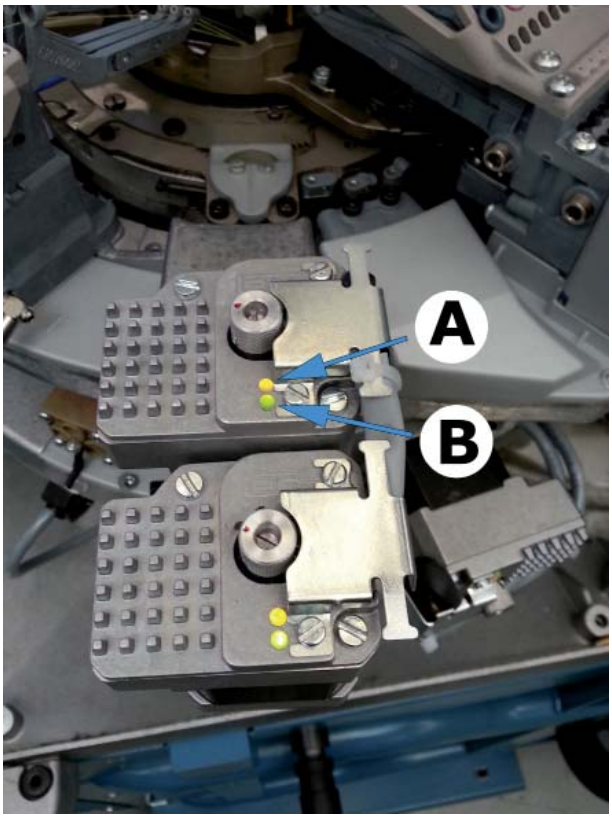
State	Function
LED light **A**	
ON - Orange	**Motor Zero**
LED light **B**	
Flashing - Green	**Communication OK**

GOAL machines



"Mpp CAN" board: Pcb 4899
LED light meaning
Data stitch cam

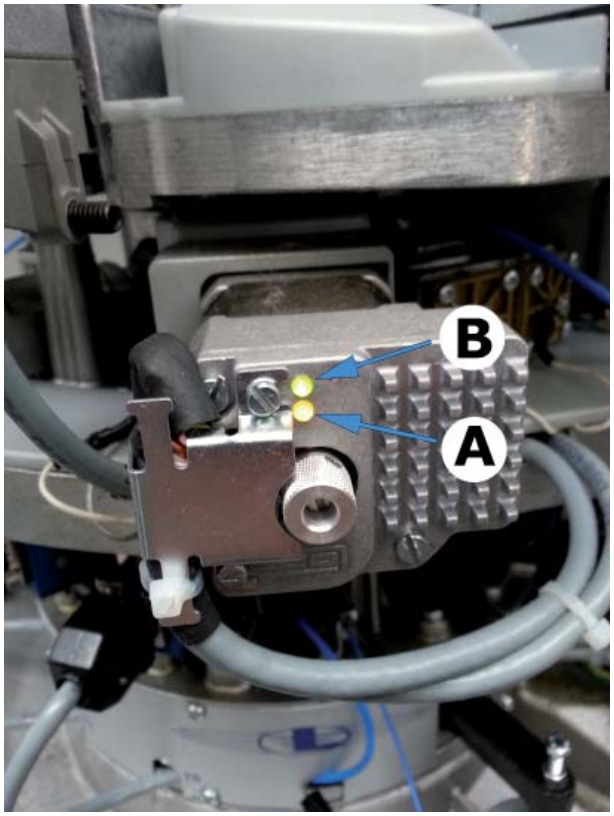
State	Function
LED light **A**	
ON - Orange	Motor Zero
Two-colour alternating light :	
Orange / Red	Software Upgrade
LED light **B**	
Flashing - Orange	**Out** (Solenoid valves de-energized)
Flashing - Green	**Intermediate position** (Stitch cam feed N, position A)
Flashing - Red	**In** (Stitch cam feed N, position B)



"Mpp CAN" board: Pcb 4899
LED light meaning

State	Function
LED light **A**	
ON - Orange	**Motor Zero**
LED light **B**	
Flashing - Green	**Communication OK**

PANTYHOSE Machines



"Mpp CAN" board: Pcb 4899
LED light meaning

State	Function
LED light **A**	
ON - Orange	**Motor Zero**
LED light **B**	
Flashing - Green	**Communication OK**

31.14: Lost steps: %ls (%d) (Error)

. . . in progress . . .

31.15: Overrun: %ls (%d) (Error)

This message warns the user that there is transmission error on the CAN line between board Pcb 2010 and the CAN module associated with the motor indicated in the error.

The transmission line concerned the module indicated in the error is congested.

The problem may be caused by a transmission defect, and then by a malfunction of hardware concerned.

Also assess the frequency of occurrence of the error and if it determines malfunctions of the concerned motor or of other CAN devices.

31.16: Checksum in update: %ls (%d) (Error)

This error occurs during Updating of the CAN module associated with the motor indicated in the error.

Repeat the Update operation, loading again the file "up" (software) in the FLASH memory and activate it.

If the problem persists: Replace the CAN module associated with the motor indicated in the message.

31.17: Page updating length: %ls (%d) (Error)

See the description provided for the message: 31.16 .

31.18: FLASH writing in update: %ls (%d) (Error)

See the description provided for the message: 31.16 .

31.19: Number of page in updating: %ls (%d) (Error)

See the description provided for the message: 31.16 .

31.20: Motor ENCODER tolerance: %ls (%d). Theoretical/actual values: Step %d-%d - Encoder %d-%d (Error - Movement impossible)

. . . in progress . . .

31.21: Supply tension too low: %ls (%d) (Error)

. . . in progress . . .

31.22: Zeroing impossible: %ls (%d) (Error)

. . . in progress . . .

31.23: Bobbin end: %ls (%d) (Error)

. . . in progress . . .

31.24: Broken Yarn: %ls (%d) (Error)

. . . in progress . . .

31.25: Movement impossible: %ls (%d) (Error)

. . . in progress . . .

31.26: Pulls piece %ls (%d) (Error)

. . . in progress . . .

31.27: Sewing device needle and ratch.wheel pin not synchronized: %ls (%d) Press Fn + F0 (Error)

. . . in progress . . .

31.28: No answer from 3ENC board: %ls (%d) (Alarm)

. . . in progress . . .

31.29: Acceleration limit: %ls (%d) (Warning)

. . . in progress . . .

37. … Lubrication unit management

Refer to the menu: Lubrication unit

The machine can be equipped with the following devices:

a) Pump with external pressure switch [Standard]
b) Pump with sensor [Oil delivery control]
c) Oiler !da duplicazione! *
In this case … See the description provided for the message: 16. __

Refer to the documentation provided for ordering spare parts.

Outputs / Inputs

Stop oil filter clogs *	Sensor input:	Inp.sw 38
Stop oil absence	Sensor input:	Inp.sw 39
Stop oil pressure	Sensor input:	Inp.sw 40

Function 3 oil pump (Oiler) Command output: …
The position of the solenoid valve depends on the model.

Sensor input:
See table: Matching software and hardware inputs
See also the menu: Autotest menu

* This information only applies to the following models: DONNA machines

In the event of a false error …

Check that the sensor is functioning and properly positioned. In the auto-test menu, check that the status of the input switches. Check the connection between the sensor and the board. Eventually replace these components. and/ or Replace the cables.

37.0: Oil missing (Error - Movement impossible)

This error is caused by the lowering of the tank oil level. Check the oil level and eventually restore it.
With stop active, the inputs Autotest displays the value … **Green Led** .

The fault can also be due to wrong selection of the device in the dedicated window.
Make sure the actual equipment was set in the menu.

37.1: Oil pressure (Error - Movement impossible)

The message refers to device a).
After activating the solenoid valve (pumping), the sensor did not detect any changes within the set time.
In practice: This error informs the user that the signal of "oil pumped active" was not detected by the software within the expected time.

37.2: Oil pressure still present (Error - Movement impossible)

The message refers to device a).
The sensor did not detect the change of status after the solenoid valve was de-energized.
In practice: The lubrication circuit is still pressurized. Check if the tube is obstructed.

37.3: Lack of pressure in oil pump (Oli depressurisation) (Error - Movement impossible)

The message refers to device a).
After activating the solenoid valve, the sensor detected the change, but for a shorter than expected time.
In practice: This error informs the user that the signal of "Oil pumped active" was not maintained the sufficient time for the effective lubrication. The correct signal of "Oil pumped active" was initially detected by software, but it was not maintained for all the time in which the pumped command is remained active.
Check if there are losses in the oil circuit that does a decrease of pressure.

37.4: Oil pressure control wrong delivery (Error - Movement impossible)

The message refers to device b).
The signal indicates that the lubricating oil did not flow at least in one circuit.
Check if there are losses in the oil circuit that does a decrease of pressure.
Check if the tube is obstructed.
Check that the external compressed air ducts (tubes) are not blocked and/or clogged.

37.5: Saving setup lubrication unit correctly (Warning)

Data has been acquired (stored) successfully.

37.6: Wrong saving setup lubrication unit (Error - Movement impossible)

Informs that saving has failed. Go back to the menu and try again.
Or … Reboot the machine and repeat the operation.
If the problem persists, please contact the Technical Customer Service.

39. … Messages on Inputs - DONNA machines

Refer to the menu: Autotest of inputs

Table Messages and software inputs correspondence

For all models

Message		Input
39.0	Lack of power 36 VDC	Pcb 2010
39.1	Lack of power phase	Pcb 2010
39.2	Caution: cylinder carter open	Pcb 2010
39.3	Lack of power 15 VDC positive	Pcb 2010
39.4	Lack of power 15 VDC negative	Pcb 2010
39.5	Battery B1 and B2 out of order	Pcb 2010
39.6	Lack of power 24 VDC serial line	12
39.7	Lack of power 24 VDC yarnfingers unit	11
39.8	Lack of power 24 VDC solenoid-valves unit	10
39.9	Lack of power 24 VDC external expansion board	9
39.10	Sock ejection	36
39.11	Lack of air pressure	35
39.12	Crank	37
39.13	Oil filter clogged	38
39.14	Position clearing cam feed 4	81
39.15	Position clearing cam feed 3	82
39.16	Position clearing cam feed 2	83
39.17	Position clearing cam feed 1	84
39.18	Position tucking cam feed 4	85
39.19	Position tucking cam feed 3	86
39.20	Position tucking cam feed 2	87
39.21	Position tucking cam feed 1	88
39.22	Elastic 1	93
39.23	Elastic 3	94
39.24	Knife 1 clogged	91
39.25	Knife 3 clogged	92
39.26	Needl Butt Detector	89
39.27	Saw motion checking	95
39.28	Bobbin End	32
39.29	Winders	34
39.30	Supplementary latch detector 2 feed 3	99
39.31	Supplementary latch detector 2 feed 1	100
39.32	Latches 4	101
39.33	Latches 3	102
39.34	Latches 2	103
39.35	Latches 1	104

39.70	Position C needle stitch cam feed 4	80
39.71	Position C needle stitch cam feed 3	78
39.72	Position C needle stitch cam feed 2	76
39.73	Position C needle stitch cam feed 1	74
39.74	Position E needle stitch cam feed 4	79
39.75	Position E needle stitch cam feed 3	77
39.76	Position E needle stitch cam feed 2	75
39.77	Position E needle stitch cam feed 1	73
39.78	Heel/toe take-up	66
39.79	Needles protection feed 4	65
39.80	Cam heel entrance 4	68
39.81	Cam heel exit 4	67
39.82	Jack overturning feed 4	69
39.83	Jack overturning feed 3	70
39.84	Jack overturning feed 2	71
39.85	Jack overturning feed 1	72
39.86	Posizione C corsoio triangolo maglia ritorno tallone	80
39.87	Posizione E corsoio triangolo maglia ritorno tallone	79
39.88	Posizione corsoio supplementare caduta 4	67
39.89	Posizione corsoio supplementare caduta 3	62
39.90	Posizione corsoio supplementare caduta 2	68
39.91	Posizione corsoio supplementare caduta 1	61

Furthermore …

i. 90 = Dial vertical piston/ Saw stop motion
This item is specific for the models equipped with: Raising dial motor
See the description provided for the message: 26. …
Otherwise:
i. 90 = Saw stop for high welt = Input for upper mechanical dial
See the description provided for the message: 18. …

i. nn = Lubrication unit
See the description provided for the message: 37. …

42. … Messages on Inputs - GOAL machines

Refer to the menu: Autotest of inputs

Table Messages and software inputs correspondence

For all models

Message		Input
42.0	Lack of power 36 VDC	Pcb 2010, J36, p01
42.1	Lack of power phase	Pcb 2010, J36, p02
42.2	Caution: cylinder carter open	Pcb 2010, J41
42.3	Lack of power 15 VDC positive	Pcb 2010, Internal
42.4	Lack of power 15 VDC negative	Pcb 2010, Internal
42.5	Lack of power 24 VDC serial line	12
42.6	Lack of power 24 VDC yarnfingers unit	11
42.7	Lack of power 24 VDC solenoid-valves unit	10
42.8	Lack of power 24 VDC external expansion board	9
42.9	Suction hood open	36
42.10	Lack of air pressure	35
42.11	Crank	37
42.13	Dial obstructed	97
42.14	Winders	34
42.15	Latches 1	104
42.16	Latches 2	103
42.17	Stop jack breakage 2	98
42.18	Stop needles during heel	99
42.19	Take-up	100
42.20	Stop jack breakage 1	101
42.22	Stop elastic 1	90
42.23	Stop elastic 2	92
42.24	Bobbin End	32
42.25	Stop end reel structure	30
42.26	Yarn creel	31
42.27	Stop Yarnfingers plate lock	38 *
42.28	Stop yarnfingers plate position	27
42.29	Right Dropper	25
42.30	Left Dropper	26
42.47	Throat-plate	89
42.48	Stop Solis reverser pressure	48
42.49	Stop Solis reverser inspection	49
42.50	Sock ejection not detected	7
42.51	Sock ejection not detected	8
42.52	Yarn antibreak control	6

Furthermore …

i. 94 = Saw blade phase proximity
See the description provided for the message: 34. …

***** This item is specific for the models equipped with: Raising dial motor
Otherwise:
i. 38 = Mechanical welt proximity switch = Input for upper mechanical dial

i. nn = Lubrication unit
See the description provided for the message: 37. …

Note for the models prepared with: Seaming Robot (CTE)

Refer to the menu: Autotest of inputs
More in particular: Input external closed toe

For further information, refer to the brochure:
Position of machine inputs

Furthermore …
See the description provided for the message: 48. …
When the robot stops, the machine stops at the sock pick-up point.
See the description provided for the message: 66. …
This type of message causes the Robot stop.
Furthermore: The machine stops.
Furthers informations are available in the chapter: Classification of messages

by model …
GL544 - GL544CTE - GK544 - GK544CTE

Message		Input
42.18	Stop needles during heel	99
42.19	Take-up	100
42.20	Stop jack breakage 1	101
42.22	Stop elastic 1	90
42.23	Stop elastic 2	92
42.24	Bobbin End	32
42.25	Stop end reel structure	30
42.26	Yarn creel	31
42.28	Stop yarnfingers plate position	27
42.29	Right Dropper	25
42.30	Left Dropper	26
42.47	Throat-plate	89
42.48	Stop Solis reverser pressure	48
42.49	Stop Solis reverser inspection	49
42.50	Sock ejection not detected	7
42.51	Sock ejection not detected	8
42.52	Yarn antibreak control	6

only for … Closed Toe (CTE)

42.74	Raise closed-toe knit	59
42.102	Central cam	70

by model …
GL615 - GL615CTE - GK615 - GK615CTE
GL616 - GL616D - GK616 - GK616D
GL616CTE - GL616DCTE - GK616CTE - GK616DCTE

Message		Input
42.12	Stop clean knife	91
42.21	Needles butt	102
42.31	Rise footlet medium jacks 1	77
42.32	Rise footlet medium jacks 2	73
42.33	Rise footlet medium jacks 3	87
42.34	Lowering needles for elastic	74
42.35	Clearing cam feed 1	75
42.36	Heel insertion needle raising cam	76
42.37	Stitch-cam heel return pos. A	83
42.38	Stitch-cam heel return pos. B	78
42.39	Sole renforcement cam	79
42.40	Stitch cam feed 1 position A	82
42.41	Stitch cam feed 1 position B	80
42.42	Tuck cam feed 1	84
42.43	Lowering needles cam end of heel	86
42.44	Cam rise needles heel/toe return swing	88
42.45	Eliminates elastic selectors	95
42.46	Eliminate jacks feed 1	96

only for … Closed Toe (CTE)

42.74	Raise closed-toe knit	81

by model …

GL625 - GL625CTE - GK625 - GK625CTE

Message		Input
42.21	Needles butt	66
42.31	Rise footlet medium jacks 1	82
42.32	Rise footlet medium jacks 2	73
42.33	Rise footlet medium jacks 3	84
42.34	Lowering needles for elastic	74
42.36	Heel insertion needle raising cam	83
42.37	Stitch-cam heel return pos. A	57
42.38	Stitch-cam heel return pos. B	81
42.39	Sole renforcement cam	58
42.40	Stitch cam feed 1 position A	71
42.41	Stitch cam feed 1 position B	59
42.42	Tuck cam feed 1	80
42.43	Lowering needles cam end of heel	75
42.45	Eliminates elastic selectors	65
42.46	Eliminate jacks feed 1	95
42.75	Stitch cam feed 2 position A	85
42.76	Stitch cam feed 2 position B	76
42.81	Stop jack breakage 3	63
42.82	Latches 3	102
42.93	Tuck cam feed 2	88
42.95	Stop clean knife 1	91
42.96	Released for pattern	87
42.97	Eliminate jacks feed 2	96
42.98	Lowering needles color 5	77
42.99	Lowering needles transfer cam	79
42.100	Stop latch opening transfer select	78
42.101	Clearing cam feed 2	86

only for … Closed Toe (CTE)

42.74	Raise closed-toe knit	72

Enclosure

Matching software and hardware inputs

Table

Machine inputs

i. = software inputs (inputs for the software)

B / C / P = Board, Connector, Pin

i.	B / C / P
6	Pcb 4866, J14, pin 03
7	Pcb 4866, J13, pin 03
8	Pcb 4866, J15, pin 03
13	Pcb 4866, J7, pin 04
14	Pcb 4866, J7, pin 03
15	Pcb 4866, J7, pin 02
16	Pcb 4866, J7, pin 01
17	Pcb 4866, J6, pin 08
18	Pcb 4866, J6, pin 07
19	Pcb 4866, J6, pin 06
20	Pcb 4866, J6, pin 05
21	Pcb 4866, J6, pin 04
22	Pcb 4866, J6, pin 03
23	Pcb 4866, J6, pin 02
24	Pcb 4866, J6, pin 01
25	Pcb 4866, J5, pin 01
26	Pcb 4866, J5, pin 03
27	Pcb 4866, J5, pin 05
28	Pcb 4866, J5, pin 07
29	Pcb 4866, J5, pin 09
30	Pcb 4866, J5, pin 11
31	Pcb 4866, J5, pin 13
32	Pcb 4866, J5, pin 15
33	Pcb 4866, J5, pin 16
34	Pcb 4866, J5, pin 14
35	Pcb 4866, J5, pin 12
36	Pcb 4866, J5, pin 10
37	Pcb 4866, J5, pin 08
38	Pcb 4866, J5, pin 06
39	Pcb 4866, J5, pin 04
40	Pcb 4866, J5, pin 02
41	Pcb 4866, J4, pin 01
42	Pcb 4866, J4, pin 03
43	Pcb 4866, J4, pin 05
44	Pcb 4866, J4, pin 07
45	Pcb 4866, J4, pin 09
46	Pcb 4866, J4, pin 11
47	Pcb 4866, J4, pin 13
48	Pcb 4866, J4, pin 15
49	Pcb 4866, J4, pin 16
50	Pcb 4866, J4, pin 14
51	Pcb 4866, J4, pin 12
52	Pcb 4866, J4, pin 10
53	Pcb 4866, J4, pin 08
54	Pcb 4866, J4, pin 06
55	Pcb 4866, J4, pin 04
56	Pcb 4866, J4, pin 02

i.	B / C / P
57	Pcb 4866, J3, pin 01
58	Pcb 4866, J3, pin 03
59	Pcb 4866, J3, pin 05
60	Pcb 4866, J3, pin 07
61	Pcb 4866, J3, pin 09
62	Pcb 4866, J3, pin 11
63	Pcb 4866, J3, pin 13
64	Pcb 4866, J3, pin 15
65	Pcb 4866, J3, pin 16
66	Pcb 4866, J3, pin 14
67	Pcb 4866, J3, pin 12
68	Pcb 4866, J3, pin 10
69	Pcb 4866, J3, pin 08
70	Pcb 4866, J3, pin 06
71	Pcb 4866, J3, pin 04
72	Pcb 4866, J3, pin 02
73	Pcb 4866, J2, pin 01
74	Pcb 4866, J2, pin 03
75	Pcb 4866, J2, pin 05
76	Pcb 4866, J2, pin 07
77	Pcb 4866, J2, pin 09
78	Pcb 4866, J2, pin 11
79	Pcb 4866, J2, pin 13
80	Pcb 4866, J2, pin 15
81	Pcb 4866, J2, pin 16
82	Pcb 4866, J2, pin 14
83	Pcb 4866, J2, pin 12
84	Pcb 4866, J2, pin 10
85	Pcb 4866, J2, pin 08
86	Pcb 4866, J2, pin 06
87	Pcb 4866, J2, pin 04
88	Pcb 4866, J2, pin 02
89	Pcb 4866, J1, pin 01
90	Pcb 4866, J1, pin 03
91	Pcb 4866, J1, pin 05
92	Pcb 4866, J1, pin 07
93	Pcb 4866, J1, pin 09
94	Pcb 4866, J1, pin 11
95	Pcb 4866, J1, pin 13
96	Pcb 4866, J1, pin 15
97	Pcb 4866, J1, pin 16
98	Pcb 4866, J1, pin 14
99	Pcb 4866, J1, pin 12
100	Pcb 4866, J1, pin 10
101	Pcb 4866, J1, pin 08
102	Pcb 4866, J1, pin 06
103	Pcb 4866, J1, pin 04
104	Pcb 4866, J1, pin 02

i.	B / C / P
105	Pcb 3896, J1, pin 05
106	Pcb 3896, J1, pin 06
107	Pcb 3896, J1, pin 07
108	Pcb 3896, J1, pin 08
109	Pcb 3896, J1, pin 09
110	Pcb 3896, J1, pin 10
111	Pcb 3896, J1, pin 11
112	Pcb 3896, J1, pin 12
113	Pcb 3896, J2, pin 05
114	Pcb 3896, J2, pin 06
115	Pcb 3896, J2, pin 07
116	Pcb 3896, J2, pin 08
117	Pcb 3896, J2, pin 09
118	Pcb 3896, J2, pin 10
119	Pcb 3896, J2, pin 11
120	Pcb 3896, J2, pin 12
121	Pcb 3896, J3, pin 11
122	Pcb 3896, J3, pin 12
123	Pcb 3896, J3, pin 13
124	Pcb 3896, J3, pin 14
125	Pcb 3896, J3, pin 15
126	Pcb 3896, J3, pin 16
127	Pcb 3896, J3, pin 01
128	Pcb 3896, J3, pin 02
129	Pcb 3896, J5, pin 05
130	Pcb 3896, J5, pin 06
131	Pcb 3896, J5, pin 07
132	Pcb 3896, J5, pin 08
133	Pcb 3896, J5, pin 09
134	Pcb 3896, J5, pin 10
135	Pcb 3896, J5, pin 11
136	Pcb 3896, J5, pin 12
137	Pcb 3896, J4, pin 05
138	Pcb 3896, J4, pin 06
139	Pcb 3896, J4, pin 07
140	Pcb 3896, J4, pin 08
141	Pcb 3896, J4, pin 09
142	Pcb 3896, J4, pin 10
143	Pcb 3896, J4, pin 11
144	Pcb 3896, J4, pin 12

Inp. sw = software Input; Inp. hw = hardware Input; **Input sw ≠ Input hw**

How to locate the position of the solenoid valves

Detecting the electrovalves

Certain machine models have been provided with a few **bistable** electrovalves because when turning off they maintain their status .

The **monostable** have **2 pin** (left at fig.1) .
The **bistable** electrovalves have **3 pin** (right at fig.1) .
The board are inside the support of fig.2.

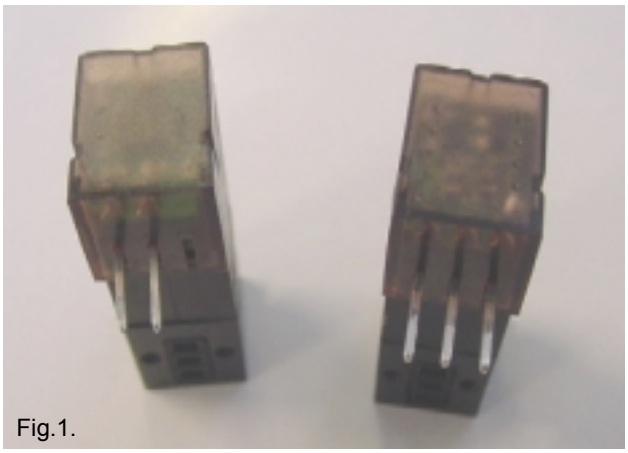


Fig.1.

Fig.1. Ev monostable on the left and bistable on the right.
Fig.2. Electrovalve bar:support with electrovalve.

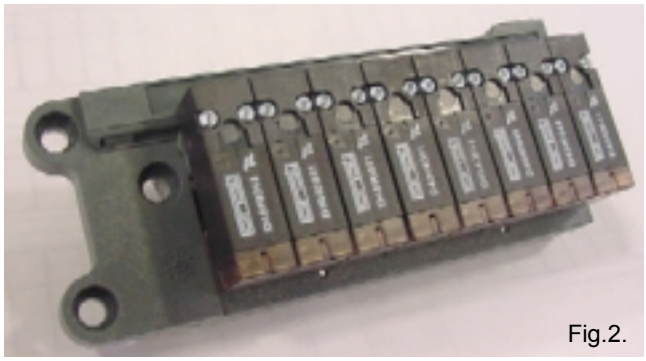


Fig.2.

Electrovalves position

If the message on the display does not show the name or the function of the electrovalve it is indicated with the occupied position. Also see the tag placed on the support .
The numeration is made by starting by the non fixed end of the support.
You count 1 for each place (Ev or plug). The closest position to the fixing holes will be 8.

Fig.3.

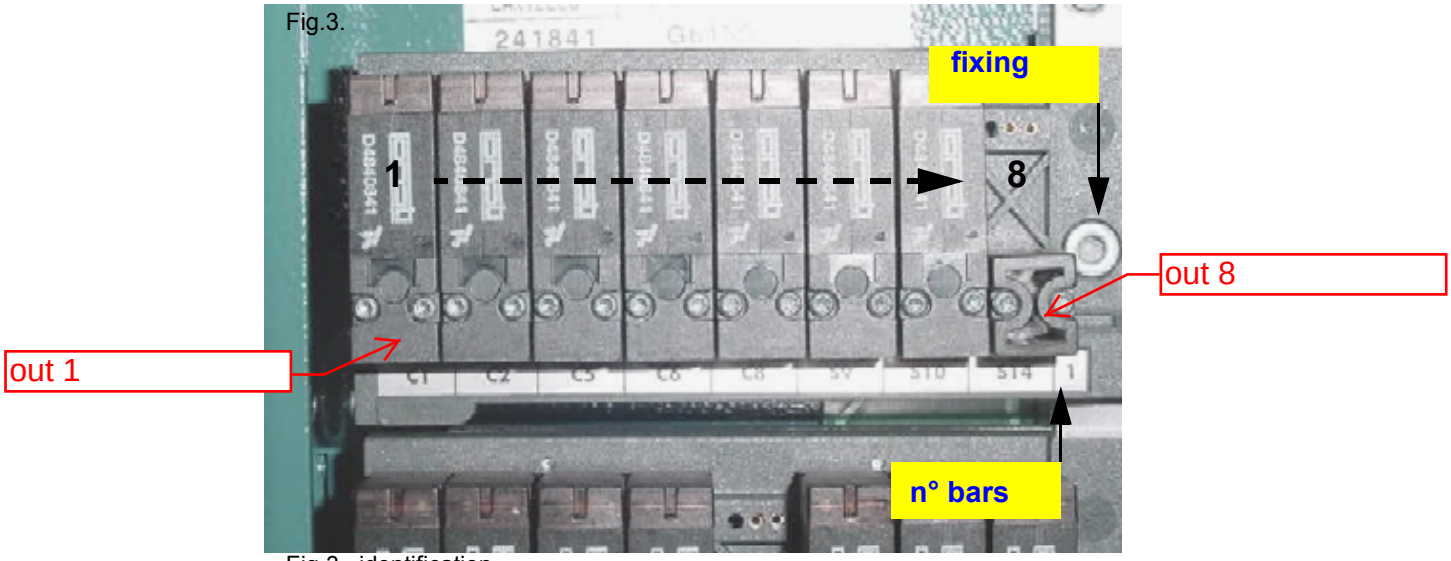


Fig.3. identification.

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Dedicated items and message

- Valvola parzializzatrice elettrica (VPE) / Stepping vacuum valve

ITALIANO

Autotest VPE
Parzializzazione VPE rovesciatore alto 5
Parzializzazione VPE rovesciatore alto 6
Parzializzazione VPE rovesciatore alto 7
Parzializzazione VPE rovesciatore basso 1
Parzializzazione VPE rovesciatore basso 2
Parzializzazione VPE rovesciatore basso 3
Parzializzazione VPE rovesciatore basso 4
Posizione di zero VPE
Setup motore VPE
VALVOLA PARZIAL. P. CHIUSA ESTERNA
Valvola parzializzatrice elettronica punta chiusa
Valvola parzializzatrice elettrica
Valvola VPE in manuale. Ripristino funzionamento normale con marcia
VPE posizione 1
VPE posizione 2 speciale
VPE posizione 2
VPE valvola
VPE
Zero relativo motore VPE

ENGLISH

Autotest VPE
VPE graduation high 5
VPE graduation high 6
VPE graduation high 7
VPE graduation low 1
VPE graduation low 2
VPE graduation low 3
VPE graduation low 4
Zero position AIR VACUUM VALVE
Set AIR VACUUM VALVE motor
SHUTTER VALVE EXTERNAL CLOSED TOE
Electronic shutter valve closed toe
Stepping vacuum valve
VPE valve in manual state. Normal functioning resumes with machine running
VPE position 1
VPE position 2 special
VPE position 2
VPE valve
VPE
VPE motor relative zero

Valvola parzializzatrice elettrica (VPE) / Stepping vacuum valve

ESPAÑOL

Autotest VPE
Parcialización VPE del volcador alto 5
Parcialización VPE del volcador alto 6
Parcialización VPE del volcador alto 7
Parcialización VPE del volcador alto 1
Parcialización VPE del volcador alto 2
Parcialización VPE del volcador alto 3
Parcialización VPE del volcador alto 4
Posición de cero VPE
Setup motor VPE
VÁLVULA PARCIAL. P. CERRADA EXTERNA
Válvula parcializadora electrónica puntera cerrada
Valvula estranguladora eléctrica
Válvula VPE en maual. Restablecimiento funcionamiento normal con marcha
VPE posición 1
VPE posición 2 especial
VPE posición 2
VPE válvula
VPE
Cero relativo motor VPE

FRANÇAIS

Autotest CRE
Etranglement VRE retourneur haut 5
Etranglement VRE retourneur haut 6
Etranglement VRE retourneur haut 7
Etranglement VRE retourneur bas 1
Etranglement VRE retourneur bas 2
Etranglement VRE retourneur bas 3
Etranglement VRE retourneur bas 4
Position du zéro CRE
Setup Moteur CRE
VANNE DE REGULATION P. FERMEE EXTERNE
Soupape d’étranglement électronique pointe fermée
Clapet de regulation
Soupape VPE en manuel. Rétablissement fonctionnement normal avec marche
VPE position 1
VPE position 2 spécial
VPE position 2
VPE soupape
VPE
Zéro relatif moteur VRE

ENGLISH

Autotest VPE
VPE graduation high 5
VPE graduation high 6
VPE graduation high 7
VPE graduation low 1
VPE graduation low 2
VPE graduation low 3
VPE graduation low 4
Zero position AIR VACUUM VALVE
Set AIR VACUUM VALVE motor
SHUTTER VALVE EXTERNAL CLOSED TOE
Electronic shutter valve closed toe
Stepping vacuum valve
VPE valve in manual state. Normal functioning resumes with machine running
VPE position 1
VPE position 2 special
VPE position 2
VPE valve
VPE
VPE motor relative zero

DEUTSCH

Autotest VPE
Drosselventil VPE Wendevorrichtung oben 5
Drosselventil VPE Wendevorrichtung oben 6
Drosselventil VPE Wendevorrichtung oben 7
Drosselventil VPE Wendevorrichtung unten 1
Drosselventil VPE Wendevorrichtung unten 2
Drosselventil VPE Wendevorrichtung unten 3
Drosselventil VPE Wendevorrichtung unten 4
Nullposition Drosselventil
Setup Motor VPE
DROSSELVENTIL GESCH. SPITZE EXTERN
Elektronisches Drosselventil geschlossene Spitze
Elektronisches Drosselventil
Drosselventil im manuellen Betrieb. Wiederherstellung der normalen Funktion mit Betrieb
VPE position 1
Drosselv. Position 2 speziell
VPE position 2
Drosselventil
VPE
Relativer Nullpunkt Motor Drosselv.

Valvola parzializzatrice elettrica (VPE) / Stepping vacuum valve

POLSKI

Autotest Przepustnicy
Przepustnica częściowo na górną wywijarkę 5
Przepustnica częściowo na górną wywijarkę 6
Przepustnica częściowo na górną wywijarkę 7
Przepustnica częściowo na dolną wywijarkę 1
Przepustnica częściowo na dolną wywijarkę 2
Przepustnica częściowo na dolną wywijarkę 3
Przepustnica częściowo na dolną wywijarkę 4
Pozycja zera Przepustnicy
Setup silnika przepustnicy
PRZEPUSTNICA MASZYNA ZE ZSZYWARKĄ ZEW.
PPrzepustnica elektroniczna maszyna ze zszywarką zew
Przepustnicy elektronicznej
Przepustnica w ręcznym działaniu. Przywrócenie normalnego działania w biegu
VPE pozycja 1
VPE pozycja 2 specjalny
VPE pozycja 2
VPE zawór
VPE
Zero względne silnika przepustnicy

РУССКИЙ

Автотестирование VPE
Перекрытие регулировочного клапана поднятой выворотки 5
Перекрытие регулировочного клапана поднятой выворотки 6
Перекрытие регулировочного клапана поднятой выворотки 7
Перекрытие регулировочного клапана опущенной выворотки 1
Перекрытие регулировочного клапана опущенной выворотки 2
Перекрытие регулировочного клапана опущенной выворотки 3
Перекрытие регулировочного клапана опущенной выворотки 4
Нулевое положение VPE
Настройка двигатель VPE
РЕГУЛИРОВОЧНЫЙ КЛАПАН ВНЕШНЕГО ШВЕЙНОГО МЕХАНИЗМА
Электронный регулировочный клапан швейного механизма
Клапан регулиров.подачи электронный
Клапан VPE в руч.режиме. восстанов. нормального функционир.и хода
VPE положение 1
VPE положение 2 специаль.
VPE положение 2
VPE valvola / VPE valve
VPE
Zero relativo motore VPE / VPE motor relative zero

ENGLISH	TÜRKÇE
Autotest VPE	Ototest VPE
VPE graduation high 5	Üst ters çevirici VPE paylaştırma 5
VPE graduation high 6	Üst ters çevirici VPE paylaştırma 6
VPE graduation high 7	Üst ters çevirici VPE paylaştırma 7
VPE graduation low 1	Alt ters çevirici VPE paylaştırma 1
VPE graduation low 2	Alt ters çevirici VPE paylaştırma 2
VPE graduation low 3	Alt ters çevirici VPE paylaştırma 3
VPE graduation low 4	Alt ters çevirici VPE paylaştırma 4
Zero position AIR VACUUM VALVE	VPE sıfır pozisyonu
Set AIR VACUUM VALVE motor	VPE motoru setup
SHUTTER VALVE EXTERNAL CLOSED TOE	ORANSAL VALF DIŞ KAPALI BURUN
Electronic shutter valve closed toe	Elektronik paylaştırıcı valf kapalı burun
Stepping vacuum valve	**Elektrikli kismi valf**
VPE valve in manual state. Normal functioning resumes with machine running	VPE valfı manüelde. Marşta normal fonksiyon resetleme
VPE position 1	VPE pozisyonda 1
VPE position 2 special	VPE pozisyonda 2 Spec.
VPE position 2	VPE pozisyonda 2
VPE valve	VPE valvola / VPE valve
VPE	VPE
VPE motor relative zero	Zero relativo motore VPE / VPE motor relative zero

Valvola parzializzatrice elettrica (VPE) / Stepping vacuum valve

中文
VPE换风阀马达自动测试
高位5 VPE自动翻转
高位6 VPE自动翻转
高位7 VPE自动翻转
低位1 VPE自动翻转
低位2 VPE自动翻转
低位3 VPE自动翻转
低位4 VPE自动翻转
吸风阀门零位
设置吸风马达
附加缝头装置风阀
缝头装置的电子风阀
电子式步进真空阀
VPE风阀处于手动状态，机器运转时正常恢复
VPE位置1
VPE换风阀2位 - 特殊
VPE位置2
VPE换风阀
VPE
Zero relativo motore VPE / VPE motor relative zero

Lonati Reparto Grafica
Lonati Graphic Department