



GB Guldmann Service and Information Consol v. 1.20

Vers. 4

CE

Guldmann™

Guldmann Service and Information Consol

Item nos:
550640

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1.0 Program installation

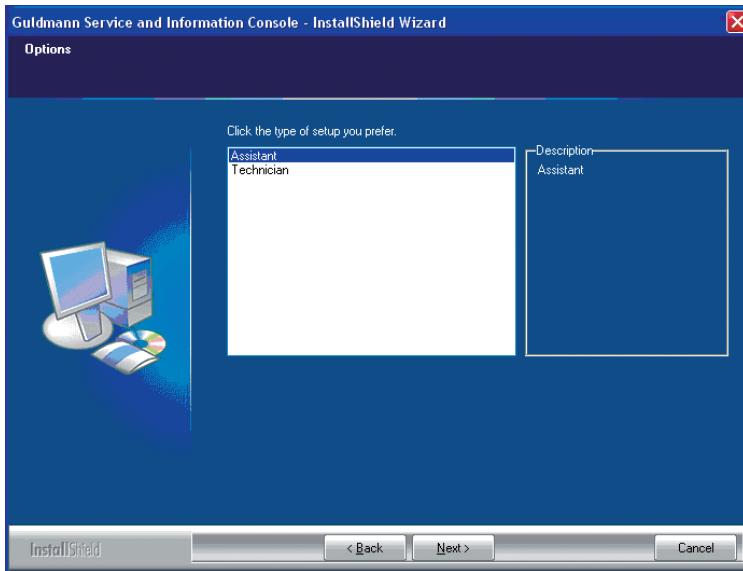
Run the installation wizard.



Options:

If you are a normal user, select the "Assistant" option.

If you are a certified Guldmann technician, select the "Technician" installation option to obtain access to the advanced program options. This option requires a special activation code. Contact Guldmann to obtain the activation code.



2.0 Running the program for the first time

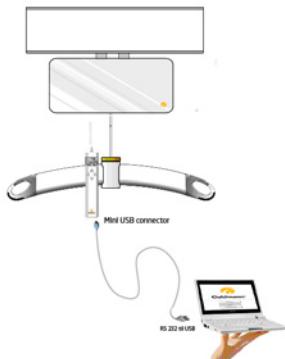
2.1 Install USB driver

Before you run the program for the first time you will need to install the USB cable driver.

1. Connect the connection cable to the computer.
2. Locate the USB driver in the program folder: \Guldmann\Guldmann Service and Information Console\Drivers.
3. Follow the instructions on the screen.

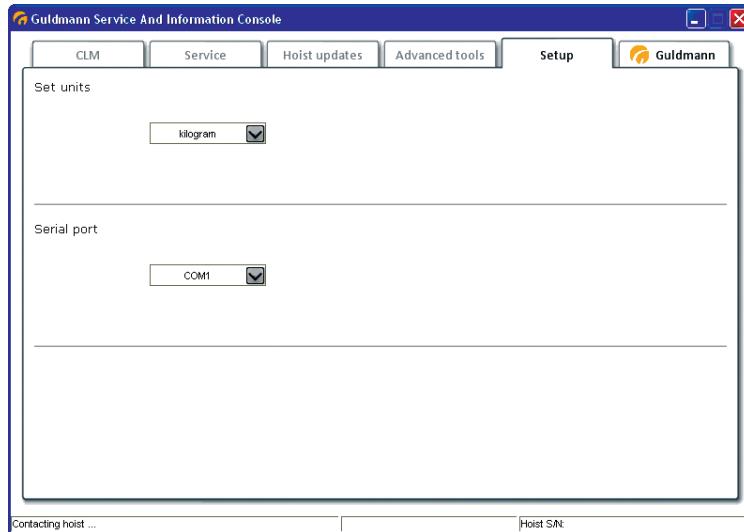
2.2 Connecting the hoist

1. Connect the hoist to the computer by means of the connection cable, Guldmann part number 550641.



2. Turn on hoist by pushing the hoist's hand control.
3. Run the Guldmann Service and Information Console program.
4. Select setup and then select
 - a. Units (Kilogram or Lbs)
 - b. Serial COM port (select from drop down list)

- After connection the program is ready to use.



Depending on the installation type, different functions will be available

Available functions

Function	Technician	Assistant
CLM	(√)	(√)
Service	√	(√)
Hoist updates	√	
Advanced tools	√	
Setup	√	√

(√), depending on hoist configuration.

3.0 CLM module

The CLM module is only available if the connected hoist is equipped with the CLM module functionality.

3.1 General information

Update time

This button sets the hoist time and date, to the current PC time and date.
Hoist time and date is used for the registration of lifts.

Set hoist ID

This button makes it possible to change the hoist ID. The hoist ID is displayed on the hand control.

3.2 Life span activity

These counters summarize information about the use of the hoist, since the first installation.

3.3 Statistics

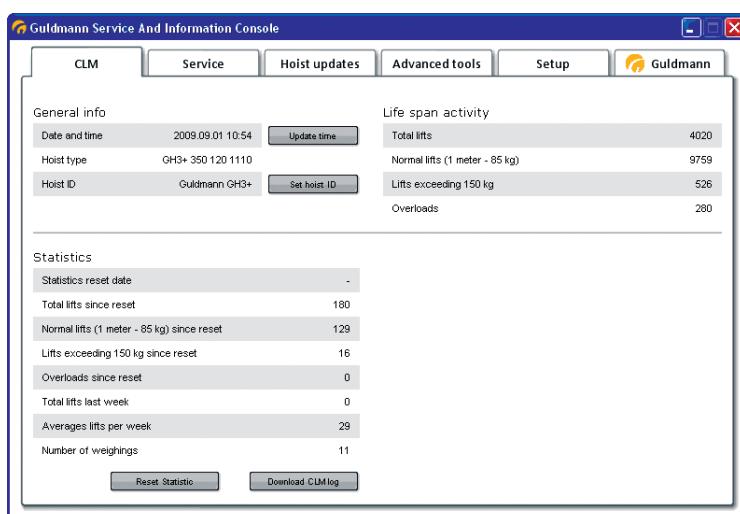
These counters show information regarding the use of the hoist, since the last reset of these counters. See below

Reset Statistics

This button resets all statistic counters to 0. The CLM log is not changed.

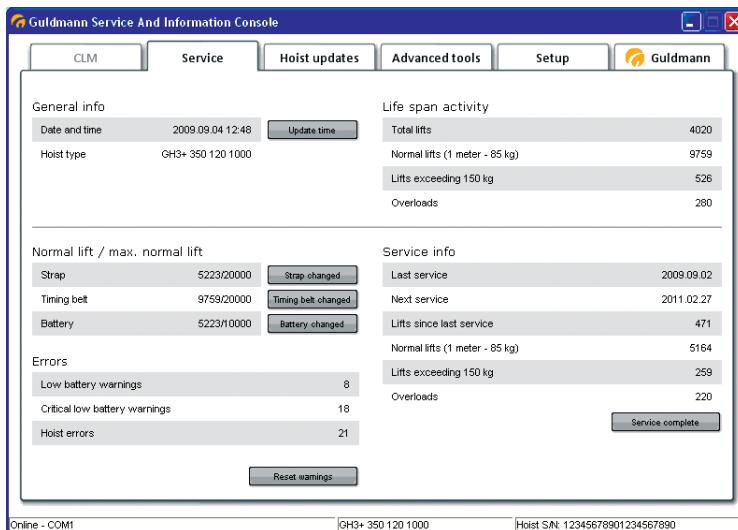
Download CLM log

This button starts downloading of the hoist CLM log data. The log is stored in the Guldmann Service and Information Console program folder.



4.0 Service module

The service module is only available if the connected hoist is equipped with the service module functionality. The information is also available if the user has been equipped with technician user privileges.



4.1 General information

Update time

This button sets the hoist time and date, to the current PC time and date. Hoist time and date is used for the registration of lifts.

Hoist type

The currently connected hoist type

4.2 Life span activity

These counters summarize information about the use of the hoist, since the first installation

Strap counter and “Strap changed” button

This counter provides information regarding the expected remaining strap lifetime.

Counter format:

Number of lifts made by the current strap / Expected lifetime of the strap.
The strap should be changed if the number of lifts made by the current strap is close to the expected lifetime of the strap.
The strap changed button should only be pressed if the strap is changed.



Resetting the strap counters without replacing the strap may cause hazardous situations

Timing belt counter and “Timing belt changed” button

This counter provides information regarding the expected remaining timing belt(s) lifetime.

Counter format:

Number of lifts made by the current strap / Expected lifetime of the timing belt(s).

The timing belt(s) should be changed if the number of lifts made by the current timing belt(s) is close to the expected lifetime of the timing belt(s). The Timing belt changed button should only be pressed if the timing belt is changed.



Resetting the timing belt(s) counter without replacing the timing belt(s) may cause hazardous situations

Battery counter and “Battery changed” button

This counter provides information regarding the expected remaining battery lifetime.

Counter format:

Number of lifts made by the current battery / Expected lifetime of the battery. The battery should be changed if the number of lifts made by the current battery is close to the expected lifetime of the battery.

The battery changed button should only be pressed if the battery is changed.



Resetting the battery counter without replacing the battery may cause poor hoist performance.

Errors

These counters provide information regarding the number of errors which has occurred, since reset warning was pressed.

4.3 Service information

These dates and counters provide information about the use of the hoist since the last service, and information regarding the next service date.

“Service completed” button

This button resets all service counters and sets the next service date. The service interval can be set in the input dialog.



5.0 Hoist update

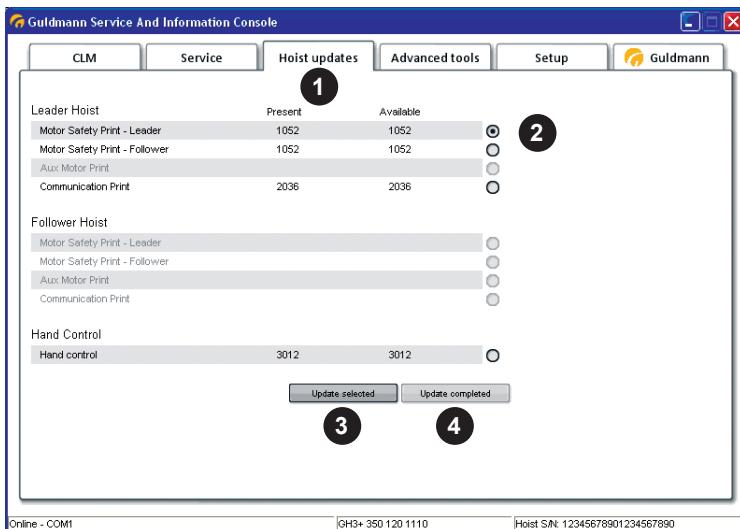
From this page it is possible to update the current hoist firmware.

The available modules are showed with black font, unavailable modules are dimmed down.

The present column shows the current firmware version in the hoist. The available column shows the newest available firmware version.

Firmware update step by step

To update firmware, follow the step by step instruction below.

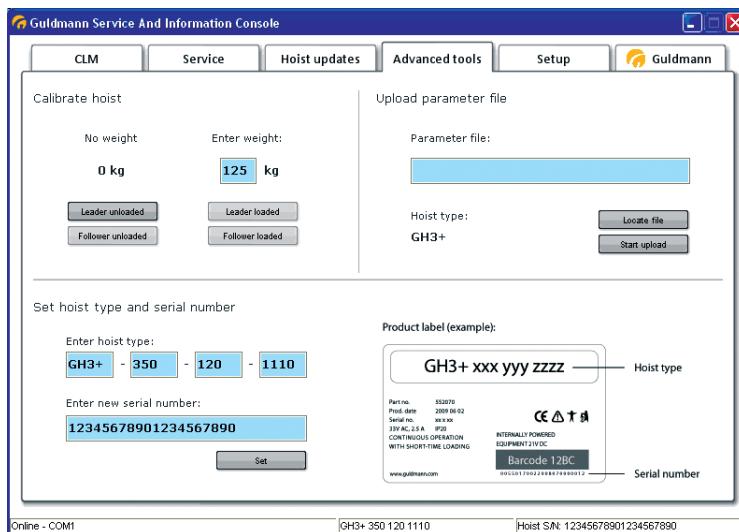


1. Select “**Hoist updates**”.
2. Select the modules to which new firmware should be uploaded, by selecting the round button to the right on the module.
3. Select “**Update selected**”.
4. Select “**Update complete**”, and follow instructions on the screen.

6.0

Advanced tools

This page provides advanced tools for certified service technician

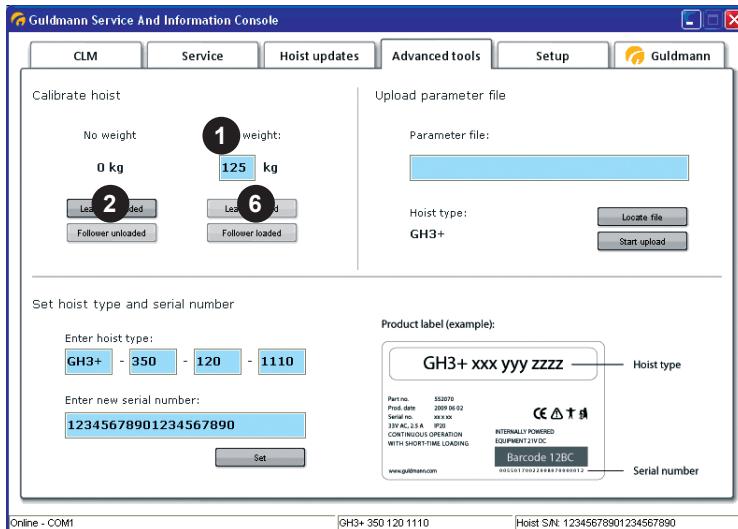


6.1

Calibrate hoist scale modules step 1-3

Calibrate hoist scale modules step 1-3, (1-5 if the hoist is a Twin hoist). This function makes it possible to recalibrate the hoist load cells. The hoist should only be calibrated if the scale is not showing correct values.

To calibrate the hoist, use the step by step instruction below.



Scale calibration step by step.

1. Enter scale calibration load, this load should be a known reference weight.
2. Remove any weight from the hoist strap.
3. Press “Leader unloaded”.
4. Wait until “Leader loaded” becomes active.
5. Lift load.
6. Press “Leader hoist loaded”.
7. Wait until button turn grey.

For Twin hoist repeat step 1 – 7 using “Follower unloaded” and “Follower loaded” buttons instead. Each hoist should be calibrated individually.

6.2

Set hoist type and serial number

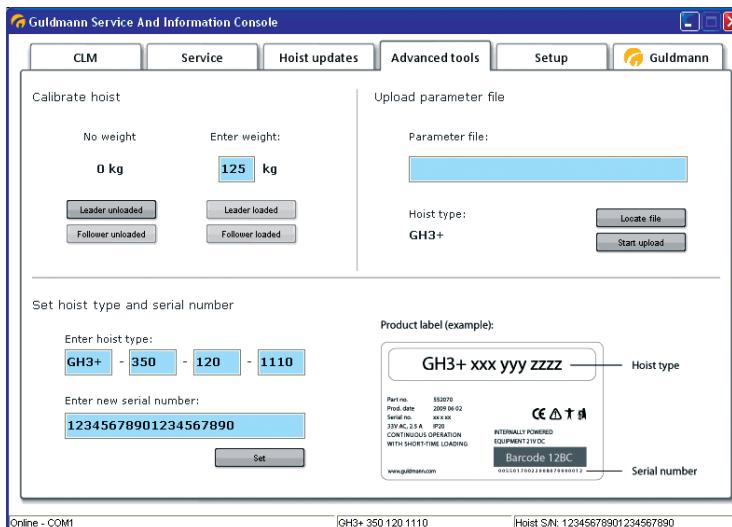
This function can be used to set the hoist serial number and hoist type in connection with an exchange or repair of the leader motor safety module. The function only works on new hardware modules before any parameter file has been read into the hoist.

Setting hoist type values is only available for motor safety firmware newer than version 1054.



Programming the wrong hoist type number or serial number may cause the hoist to stop working or may cause hazardous situations.

To set hoist type or serial number follow the step by step instructions below.



Set hoist type and serial number

1. Select **Advanced tools**.
2. Type hoist serial number and product key, as written on hoist label.
3. Press “**Set**”.

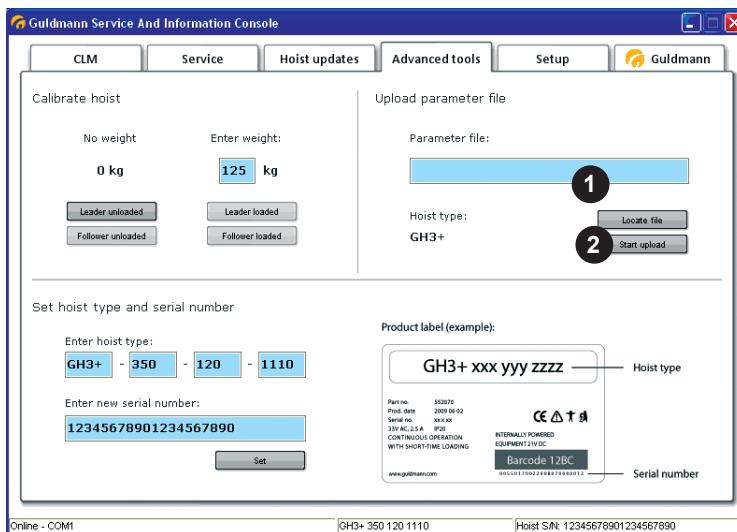


6.3

Upload parameter file

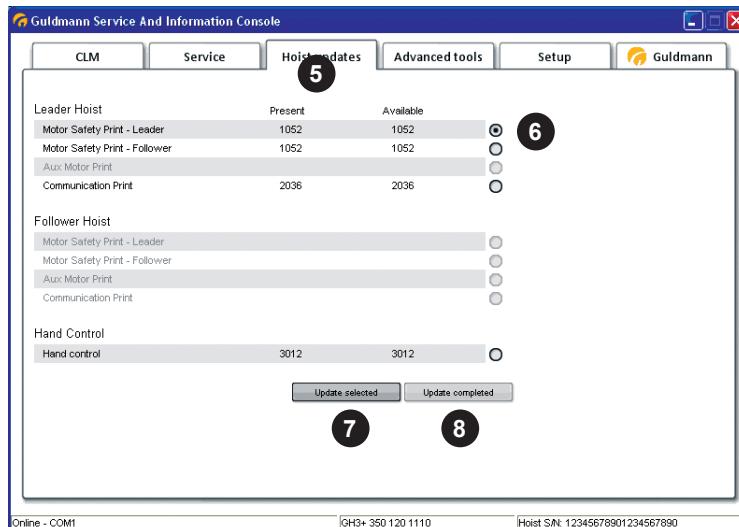
The parameter file is vital to the function of the hoist. This function is used during hoist upgrade or exchange of leader motor safety hardware or communication modules. Only valid parameter files can be uploaded to the hoist. To upload parameter file follow the step by step instructions below.

Upload parameter file step by step

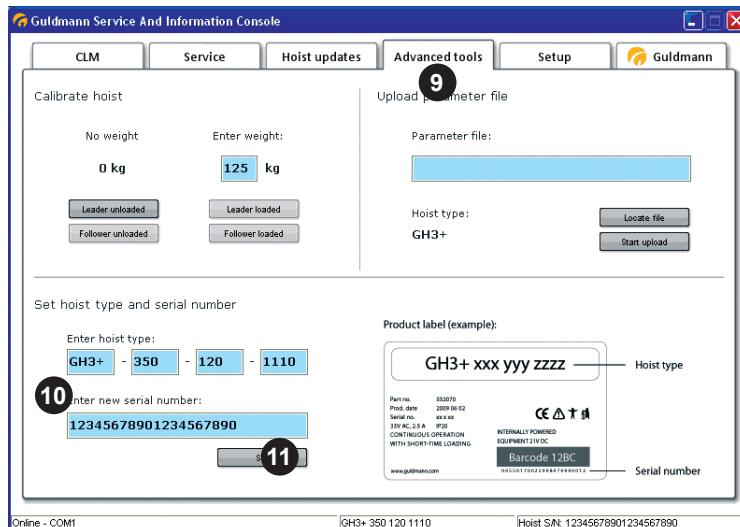


1. Open appropriate parameter file. File name same as hoist type.
2. Press “**Start upload**”.

7.0 Replace motor safety master PCB

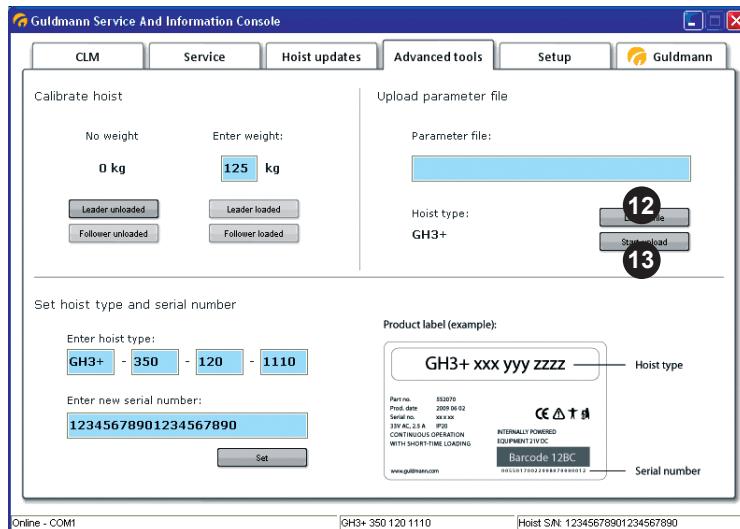


1. Replace PCB MS master as described in the Service guide.
2. Turn on hoist.
3. Connect PC to Hand control.
4. Start Guldmann Service and Information Console.
5. Select “**Hoist updates**”.
6. Select “**Motor safety print – leader**”.
7. Select “**Update selected**”.
8. Select “**Update completed**”, and follow instruction on the screen.



9. Select **Advanced tools**.

10. Type hoist serial number and product key, as written on hoist label.
11. Press “Set”.



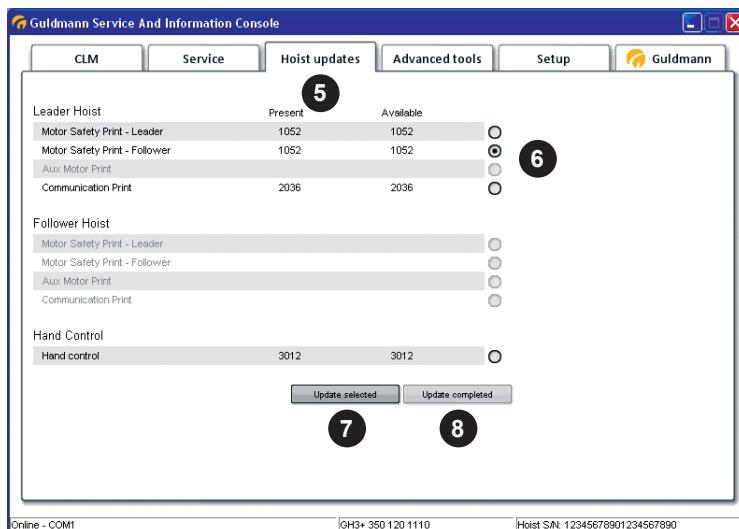
12. Open appropriate parameter file. File name same as hoist type.
13. Press “**Start upload**”.



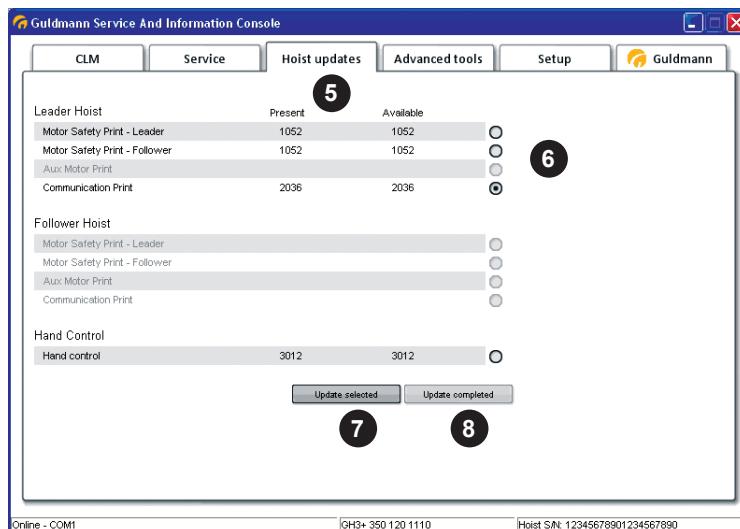
Programming the wrong hoist type number or serial number may cause the hoist to stop working or may cause hazardous situations.

8.0

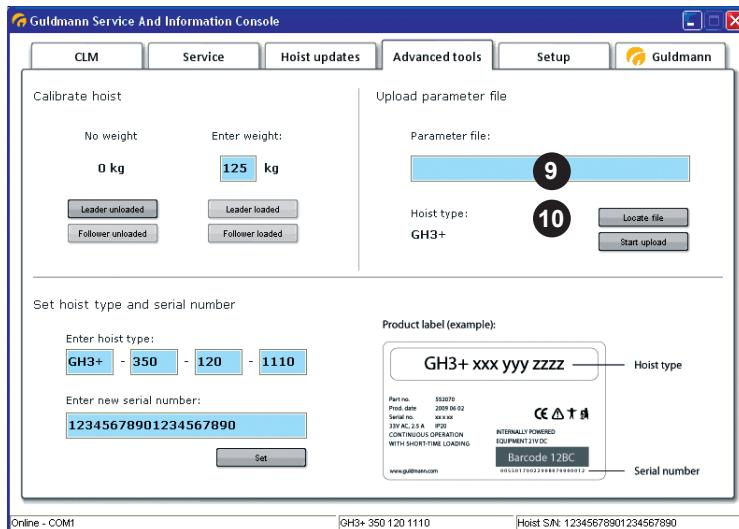
Replace motor safety follower PCB



1. Replace PCB MS master as described in the Service Guide.
2. Turn on hoist.
3. Connect PC to Hand control.
4. Start Guldmann Service and information Consol.
5. Select “**Hoist update**”.
6. Select “**Motor safety print – follower**”.
7. Select “**Update selected**”.
8. Select “**Update complete**”, and follow instruction on the screen.



1. Replace communication PCB as described in the Service Guide.
2. Turn on hoist.
3. Connect PC to Hand control.
4. Start Guldmann Service and Information Console.
5. Select “**Hoist update**”.
6. Select “**Motor safety print – follower**”.
7. Select “**Update selected**”.
8. Select “**Update completed**”, and follow instructions on the screen.



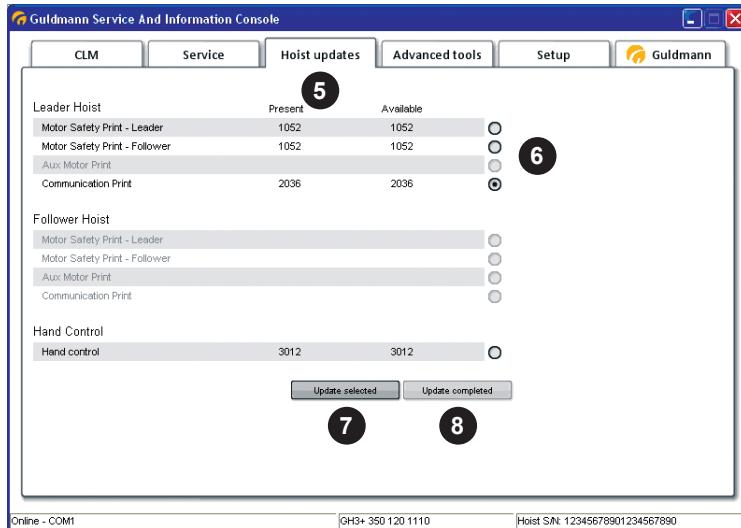
9. Open appropriate parameter file. File name same as hoist type.

10. Press “start upload”.

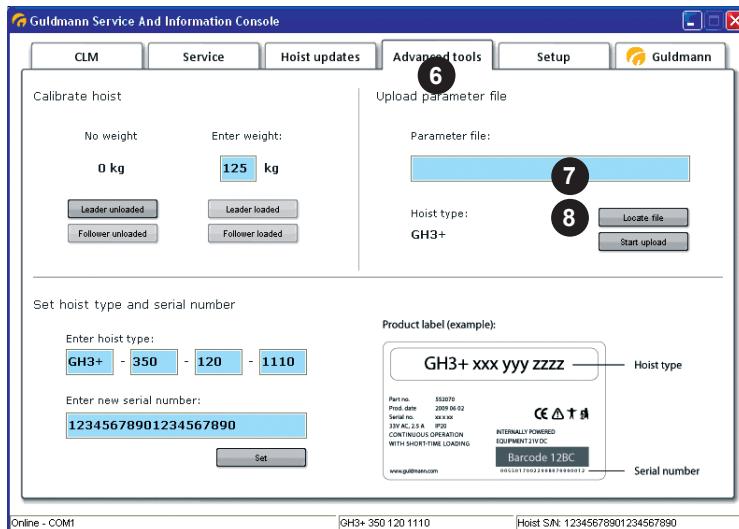
If the hoist has buildin weight modul then recalibrate hoist as described in section 6.1.



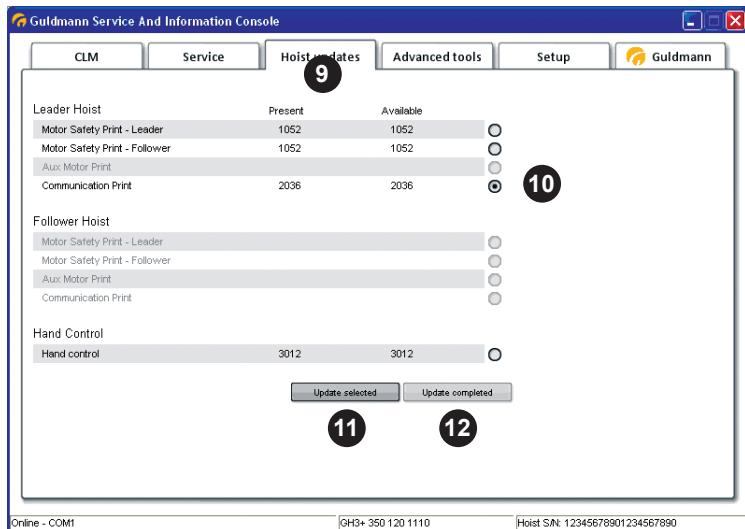
Programming the wrong hoist type number or serial number may cause the hoist to stop working or may cause hazardous situations.



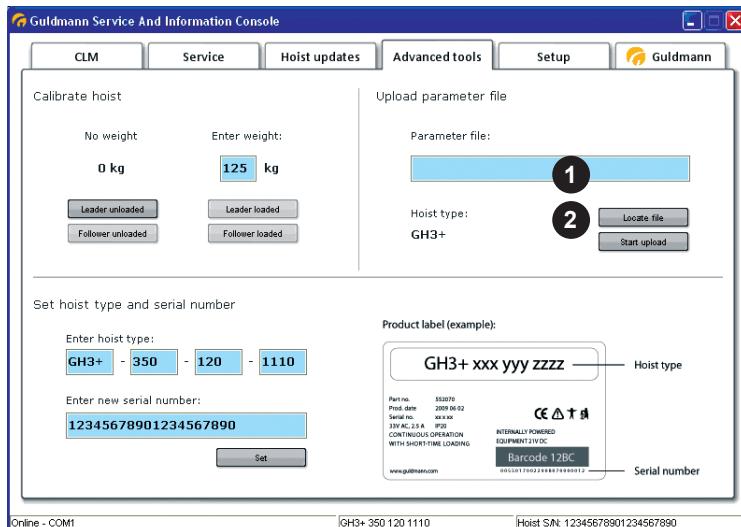
1. Replace horizontal drive motor PCB as in the Service Guide.
2. Turn on hoist.
3. Connect PC to Hand control.
4. Start Guldmann Service and Information Console.
5. Select “**Hoist update**”.
6. Select “**Motor safety print – follower**”.
7. Select “**Update selected**”.
8. Select “**Update completed**”, and follow instruction on the screen.



1. Install new com PCB as described in section 9, if included in upgrade package.
2. Replace hoist label.
3. Turn on hoist.
4. Connect PC to Hand control.
5. Start Guldmann Service and Information Consol.
6. Select “**Advanced tools**”.
7. Open the parameter file included in the upgrade package.
8. Press “**Start upload**”.



9. Select “**Hoist updates**”.
10. Update module firmware if a newer version is available.
Follow instructions on the screen.
11. Select “**Update selected**”.
12. Select “**Update completed**”, and follow instruction on the screen.



1. Locate and select the appropriate parameter file for example GH3+ xxx xxx xxxx -4cm-sec.par.
2. Press “Start upload”.

Time to care

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