

SB, Automower, New Software for 305, 305, 2011-04

General information

New Main software, MMI (Man Machine Interface) software and Sub System software have been released for Automower® 305. It is recommended to update all Automower® 305 before delivery to end customer.

- New Main Software (MSW): 1.01.00
- New MMI Software (MMI): 1.04.00
- New Sub System Software (SUB): 1.01.00

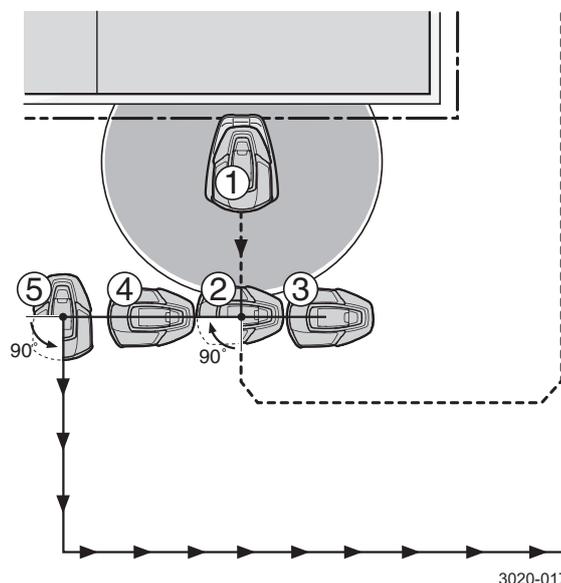
The new softwares includes the following changes:

- Calibration of guide has been improved
- Test Out and Test In procedure has been improved
- Demo mode has been introduced
- New message codes in display
- Sub System Software introduced
- Several minor SW improvements (not described in detail in this SB)

Detailed information

Calibration of guide

Improvements have been done in the calibration of guide. The purpose of calibration of guide is that the guide width setting should have the same width (50 cm and 100 cm), irrespective of garden layout.



Calibration of guide is done automatically first time the mower leaves the charging station in the following situations:

- New mower first start up
- Always at Test Out
- After changing guide width to Medium or Wide
- After performing Factory reset
- After changing main circuit board
- After main software update

Sub System Software

In mower menu Tools -> Info -> General, the line “Sub-ver” has been added. That software controls the cutting motor. The Sub system software is updated together with the Main and MMI softwares when Automatic programming is done in Autocheck EXP.

Test Out and Test In

As a result of improved Calibration of Guide some changes have been done in the Test Out and Test In procedure.

- Test Out must be done *before* Test In.
- If Test In is done before Test Out the mower will run on top of wire to the charging station, irrespective of guide width setting. This should not be considered as a valid test.

Demo mode

Demo mode is available in menu Tools -> Special Settings -> Demo Mode. In demo mode Automower® 305 works without starting the blade disc. The mower varies running with charging at four minute intervals.

Note!

- It is strongly recommended to use demo mode whenever running Automower® in public demo areas, for example inside a dealer’s shop. Blade disc is switched off in demo mode for increased safety.
- Always remove the blades from the blade disc whenever Automower® is demonstrated in public areas for increased safety.
- Demonstration of Automower® without using demo mode may only be done if the mower is constantly under observation.

New message codes in display

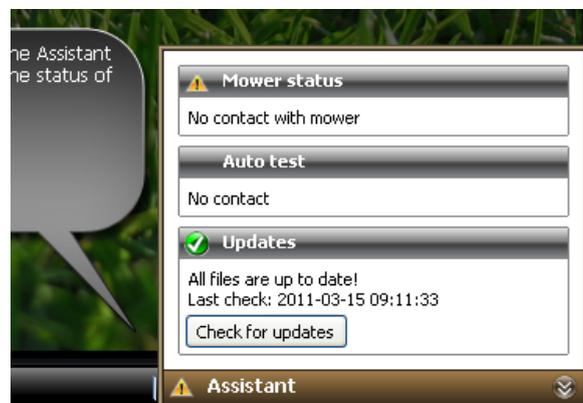
For improved diagnostic some extra message-codes have been added to the message “Electronic problem”. The message code appears within parenthesis after the message in mower display. The message code is not stored in the message history list nor in Autocheck logfile.

Code	Message	Cause	Action
501	Electronic problem	Communication problem between MMI circuit board and Main circuit board	Main switch Off/On
			Check that wire between MMI circuit board and Main circuit board is properly connected.
			Replace MMI circuit board
			Replace Main circuit board
502	Electronic problem	MMI circuit board memory problem	Replace MMI circuit board
503	Electronic problem	Keyboard problem	Check that wire between keyboard and MMI circuit board is properly connected.
			Replace keyboard
			Replace MMI circuit board
504	Electronic problem	Display problem	Replace MMI circuit board
505	Electronic problem	Parameter problem	Replace MMI circuit board

Installation

Use Autocheck EXP (part number 577 85 81-01) to make an automatic programming of the new main software and MMI software. Former Autocheck 9.X can not be used with Automower® 305. Please follow below guide for how to make an automatic programming in Autocheck EXP.

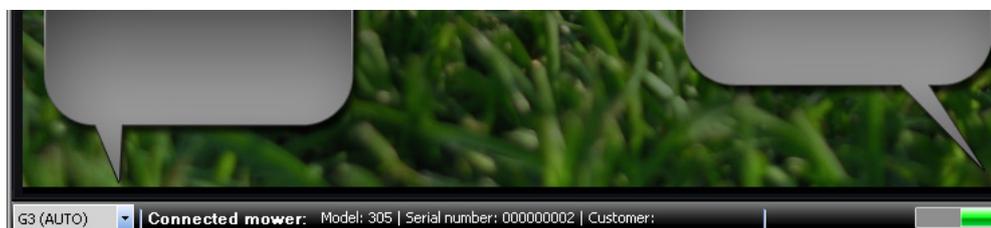
1. Start and login to Autocheck EXP.
2. Check that there are no uninstalled updates of Autocheck EXP. If there is any update available, install it before continue to step 3.



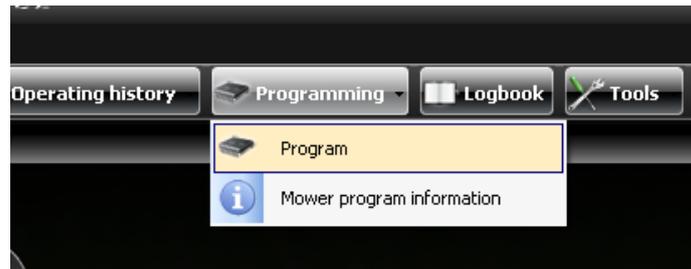
3. Check that channel G3 is selected at the bottom left corner of the Autocheck EXP window.



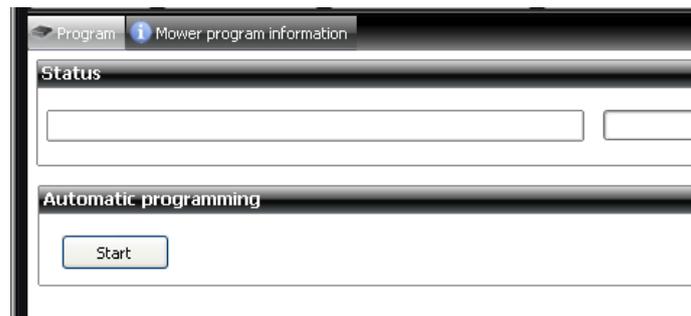
4. Switch on the Automower® 305 and connect it to Autocheck EXP via a USB cable (part number 577 51 81-01).
5. Confirm that Autocheck EXP establish connection with the mower. At the bottom of the Autocheck EXP window the model name (305) and serial number should be visible.



6. Choose Programming -> Program in the top menu.



7. Under the heading Automatic programming, click Start.



8. Update of Main software and MMI software has been completed when the text Programming finished appears under the heading Status.

