



Operating and Assembly Manual

Toolkit (7376.02) for Scrubmaster BxxxR

Introduction

Preface

The installation described in this operating and assembly manual may only be carried out at a Hako Service Center or an authorized Hako service center. The technicians required to complete the work are only available in such service centers.

This operating and assembly manual may only be used in conjunction with the machine's operating manual.

Safety information

Please observe the general safety regulations relevant for the machine provided in the corresponding operating manual.

Switch the machine off and disconnect the battery plug before beginning assembly work.

You are expressly advised that you cannot base any legal claims on the information contained in this manual. Ensure only original spare parts are used should any repairs be necessary. Only such original spare parts warrant that the equipment is reliably ready to use at all times. We reserve the right to make technical modifications in the interest of further development.

Valid as of: July 2014

Hako GmbH
Hamburger Str. 209-239
D-23843 Bad Oldesloe
Tel. +49 4531 806-0

1 Toolkit

1.1 Mechanical assembly



Switch the vehicle off and disconnect the battery plug before beginning assembly work!

Cut the hose between the water pump and solenoid valve to the specified value and connect the T-piece (Fig. 1/1) from the scope of delivery.

Then connect the tool connection hose to the quick coupler (Fig. 1/2) and fix in place.

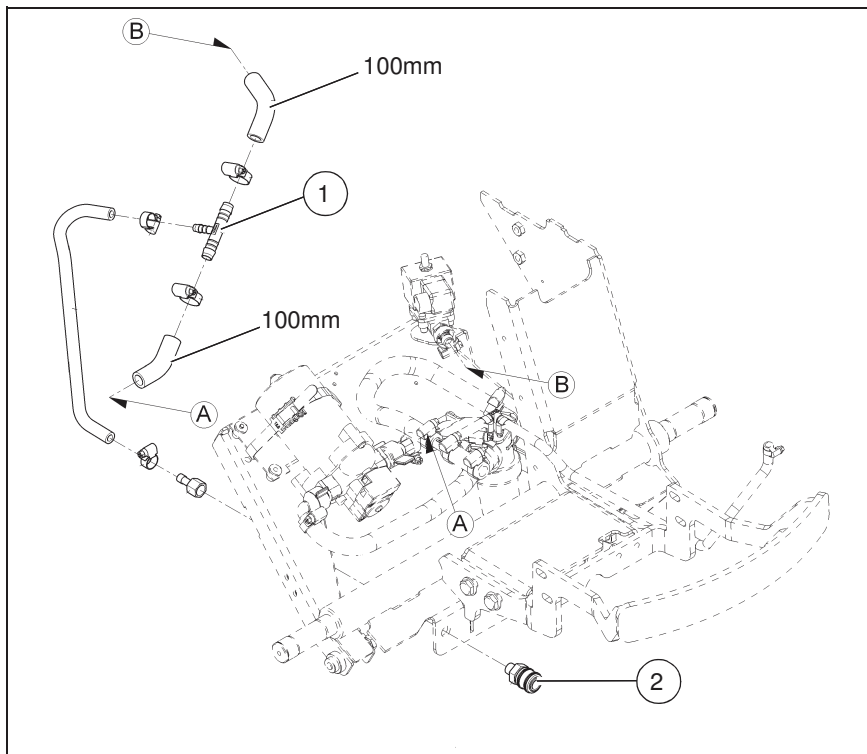


Fig.1

Toolkit

1.2 Electrical assembly

1.2.1 Assembling the button

1. Feed the button (Fig. 2/1) through the cutout in the operating panel. Screw the button in place.
2. Fix the cable from the button to the existing cable harnesses (Fig. 2/2) using cable ties (the cable from the button must not be under strain).

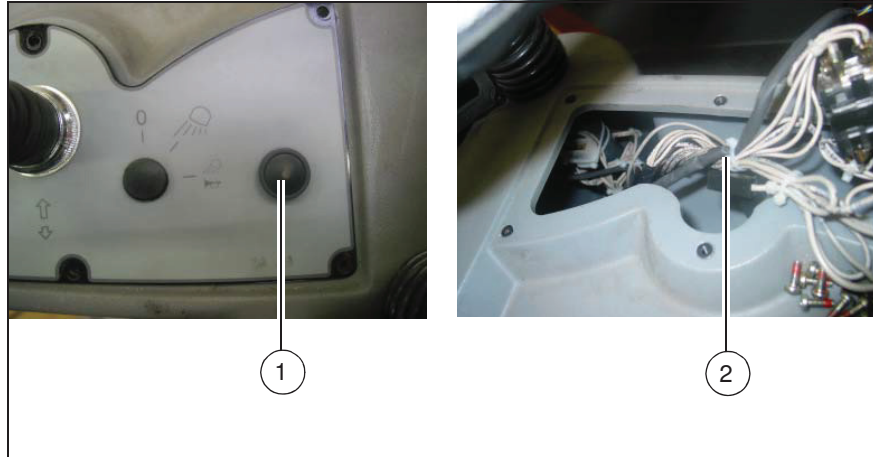


Fig.2

Toolkit

1.2.2 Assembling cable harness -W13

The cable harness -W13 is assembled in the following machines:

997090-10 / -20 / -30 / -31 / -33 / -40 / -43 / -50 / -60 / -80 / -90

1. Plug connector –X26 of the button in cable harness –W13.
2. Connect cable harness –W13 to the control electronics –A1.X5 and plug connector –X24 on cable harness –W2.



Cable harness –W20 is not used!

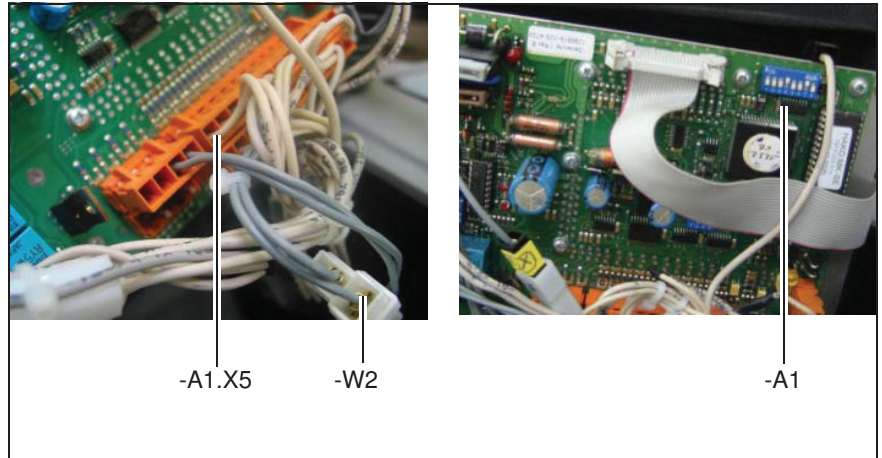


Fig.3

Activating the toolkit

In order to activate the toolkit option, DIP switch no. 4 of the option selection switch on the control electronics –A1 must be set to ON.

Toolkit

1.2.3 Cable harness -W20

Cable harness -W20 is mounted in the Scrubmaster B115 R

997090-11 / -21 -35/ -36/ -38/ -41/ -48/
-51 / -81 / -91

1. Connect plug connector -X26 on cable harness -W20 to the plug connector of the button.
2. Connect cable harness -W20 to the operating panel control unit -A02.X6.



Cable harness -W13 is not used!

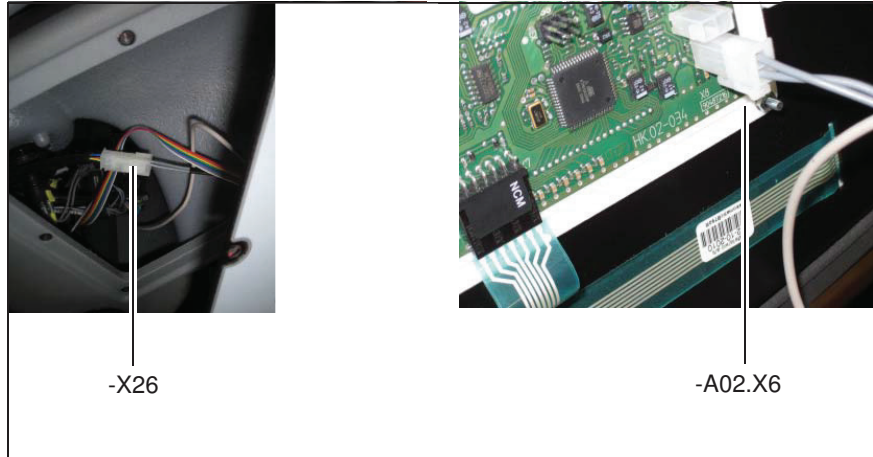


Fig.4

Toolkit

Activating the toolkit

The following section describes how to activate the toolkit for machines in the Scrubmaster B115 R series. The following work may only be completed at an authorized Hako service center.

Conditions:

- Batteries have been inserted
- Diagnostics jumper PN 0300 6790 is available

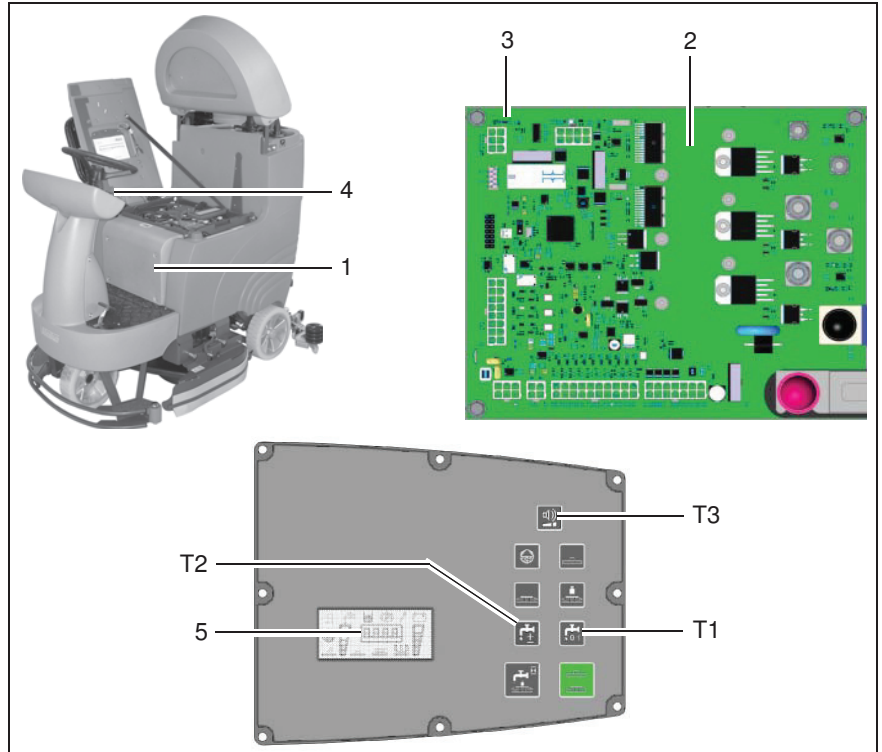
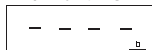


Fig.5

Toolkit

1. Open the electronics housing (Fig. 5/1) and plug the diagnostics jumper (Fig. 5/3) on connector -A1.X3 on the control electronics (Fig. 5/2).

2. Open the Configuration menu:
Press buttons 1 and 2 simultaneously and then switch on and hold the key switch (Fig. 5/4) for 3 seconds. The right-hand dot flashes in the display (Fig. 5/5):



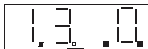
3. Press button 2 twice. The chapter reference now displays 1. The dot beside the 1 flashes:



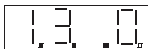
4. Press button 1 once. The dot to the right of the Configuration reference flashes:



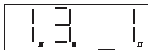
5. Press button 2 three times. The configuration now stands at 3, the content is 0 (toolkit is not activated). The dot to the right of the Configuration reference flashes.



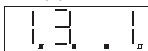
6. Press button 1 once. The dot to the right of the Content reference 0 flashes:



7. Press button 2 once. The content switches to 1 (toolkit is activated). The dot to the left of the Content reference 1 disappears:



8. Press and hold button 3 for 3 seconds to save the setting. The dot to the left of the Content reference reappears:



9. This indicates that the value has been saved. Exit from the menu by switching the engine off.
10. Disconnect the diagnostics jumper (Fig. 5/3) from the control electronics and reconnect it to the electronics housing.

Toolkit

1.3 Operation

Toolkit button

A floor scrubbing and vacuuming tool (option) can be deployed in conjunction with the scrubbing-vacuum tool to apply and vacuum up cleaning solutions in areas difficult to access.

Scrubmaster B115 R:

The (Fig. 6/2) icon appears when the (Fig. 6/1) button for the toolkit is switched on.

Hakomatic B650R / B750R:

When the toolkit is switched on, the lamp integrated in the button lights up.

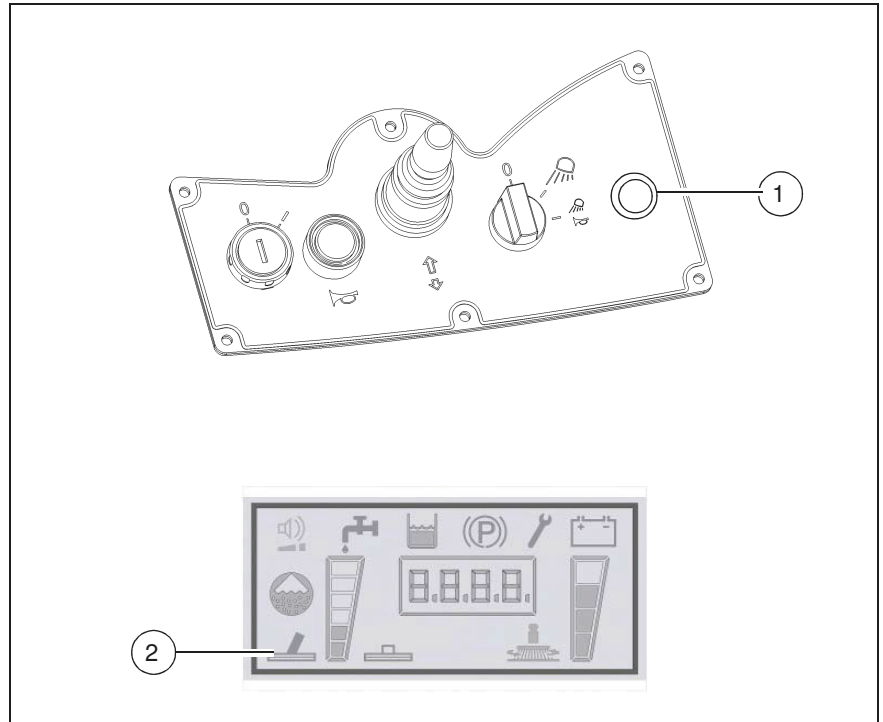


Fig.6



Spitzentechnik für eine saubere und schönere Umwelt

Advanced Technology for a Cleaner, Better Environment



Hako GmbH · Unternehmenszentrale · Hamburger Str. 209-239 · D-23843 Bad Oldesloe
☎ +49 4531 806-0 · Fax +49 4531 806-338