

MOTOmed®

Service Manual MOTOmed loop



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Primed

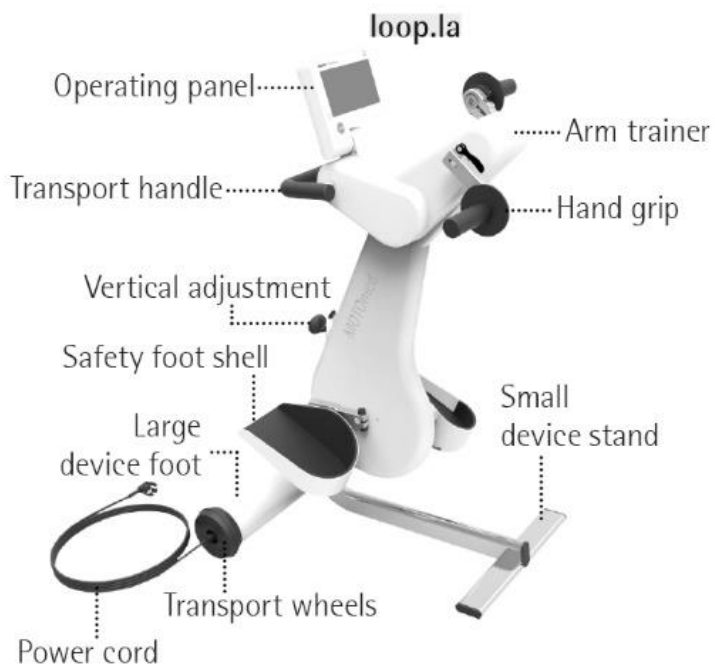
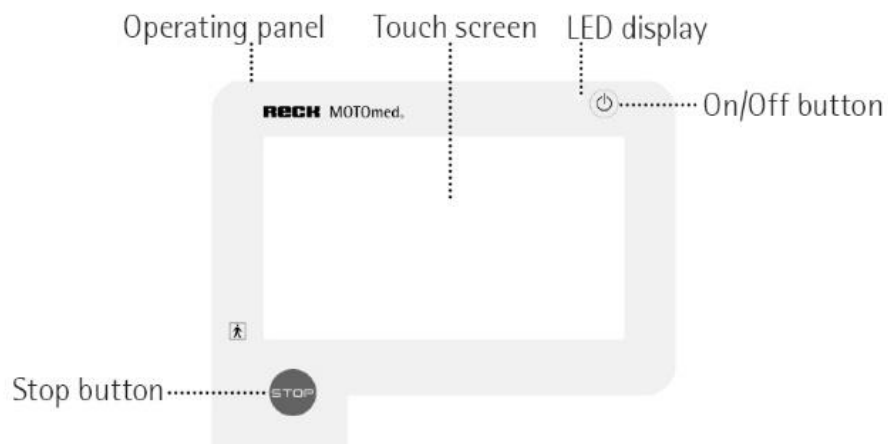
Primed Fysio & Rehab AB
Svartalundvägen 1
302 35 Halmstad
www.primed.se

tel. 035-17 82 85
e-post info@primed.se

RECK

RECK-Technik GmbH & Co. KG, Reckstraße 1-5, 88422 Betzenweiler, GERMANY
Telefon 07374 18-84, Telefax 07374 18-80, info@motomed.de, www.motomed.de

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Safety Instructions

- Service and maintenance work may only be completed by a trained professional.
- Disconnect the power cord from the wall outlet before beginning any work on the unit.
- Do not operate the device with the side panels removed.
- Folgen Sie den Anweisungen in diesem Service-Handbuch.
- Ensure all screws have been tightened prior to operating the device.
- Follow all safety instruction in this service manual.

ESD- Protective Measures

Electrostatic discharges can damage electronic components.

Discharges with a potential of 10,000 volts are not uncommon. Electrical components are often damaged prior to receiving damage from a ESD. In severe cases the damage is not detected until a later date. When contacting electronic components it is required to wear a wrist-linked grounding band that is connected to a charge potential equalization device.

Control Panel: Adjusting Retention Force

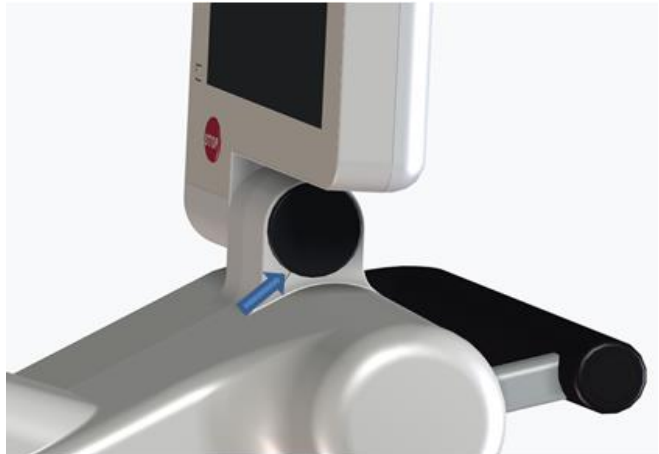
Step 1: Preperation



Tool required:

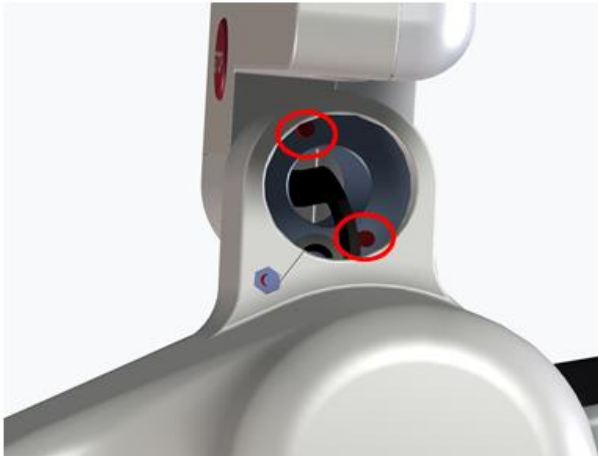
- Flat-head screwdriver
- Allen key SW2

Step 2: Remove cap cover

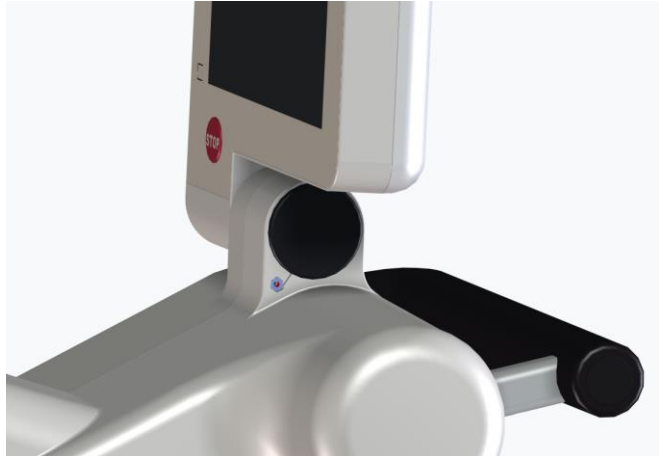


1. Carefully place the flat-head screwdriver under the cover cap. This is accessible by the recess between the cap cover and the nut.
2. Gently pull the flat-head screwdriver away from the device until the cover cap is pushed out.

Step 3: Adjusting retention force



Step 4: Replace the cover cap



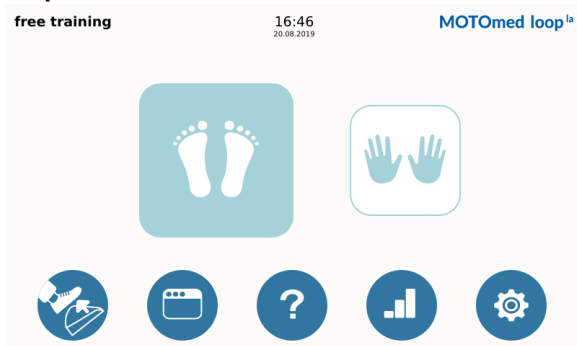
3. Alternate between tightening the two screws until the desired retention force is achieved.
4. Swivel the control panel between the horizontal position (folded down) and 100° position (folded up) and check if the control panel maintains its position. If the control panel moves repeat step 3 until control panel remains stationary.
5. *Carefully* reinsert the cover cap until both latching clamps engage.

Attention: Ensure that no wiring is damaged during adjustment.

Calibrating the Touch Screen

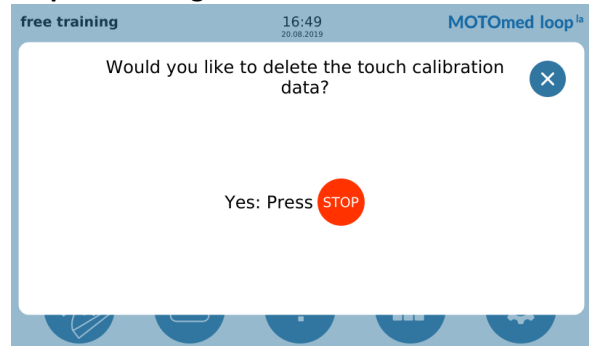
If the touch screen no longer responds to pressure from the corresponding controls, recalibrating the touch screen may be necessary.

Step 1: Device Home Screen



1. Device shows Home-Screen
2. Press and hold the STOP button
3. Press the on/off button 2x in succession
4. Release the STOP button

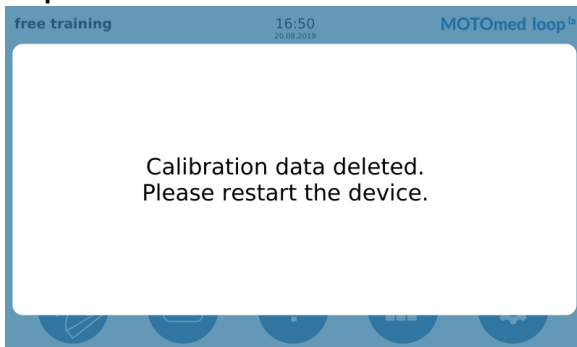
Step 2: Deleting Calibration Data



5. Press the STOP button

The previous calibration data has been deleted

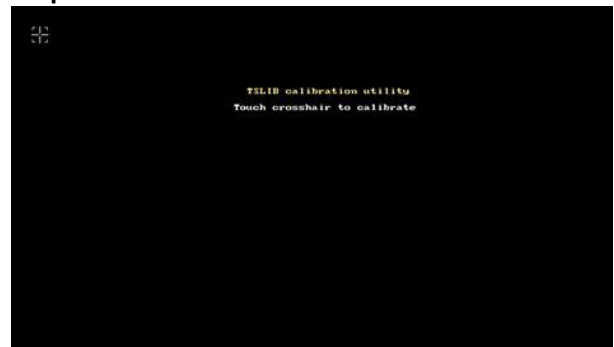
Step 3: Restart the Device



Switch off the device (press and hold the on/off button)

6. Switch the device on again after deleting calibration data
7. Wait for the screen (seen in step 4) to display

Step 4: Touch Calibration



8. With a pencil or something similar, press the cross in the upper left corner of the screen as accurately as possible.
9. An additional 4 crosses appear in the top right, bottom right, bottom left and in the middle of the screen and must be pressed as accurately as possible
10. Wait for the screen from step 5 to display



Step 5: Calibration Test



calibration test

Please press each confirmation button.
If the calibration was unsuccessful, please press the STOP button two times

11. Press the check mark in the top left corner
12. An additional 4 screens will follow with a check mark in the top right, bottom right, bottom left and center

Note: If an error occurred in step 4, not all check marks can be activated. If this occurs, press the STOP key twice. The screen from step 4 will appear again. Repeat the procedure from step 4.

Adjustment of Handle Position MOTomed loop.I

The handholds must be adjusted from the transport position to the training position before first use.

Step 1: Preparations



1. Use the supplied allen key SW4. This can be found on the bottom of the left foot pedal.

Step 2: Loosen Screws



2. Loosen the M5x12 screws found on both sides of the handles (handles pointed down in transport position).

Step 3: Turning the Handles



3. Turn the handles 180° so that the ends are pointing up.
4. Tighten the M5x12 screws found on the opposite side of the handles.
5. Return the allen key to the original location underneath the left foot pedal.

Removing the Right Housing

Step 1: Preperation



Tools:

- Phillips screwdriver
- Allen keys SW3, SW4
- Open-ended SW13 (2x)

Step 2: Removable Transport Handles



1. Unscrew the cylinder head screw (M4x12 2 Stück) with the allen key SW3 found on the bottom of the of the transport handles.
2. Unscrew the cylinder head screw M5x12 of the handle holder on the base frame using the allen key SW4 and remove the handle holder (the transport handle can remain screwed onto the left half of the housing).

Step 3: Removing Footshell on Right Side



3. Remove protective caps from screw head and nut.
4. Open hexagon head screw M8x32 and nut M8 with two open ended wrenches (SW13).
5. Remove the foot rest with pedal rod from the leg trainer shaft and place it on its side together with the screw, nut and washers.

Step 4: Removing Handles from Right Side



6. Remove protective caps from screw head and nut.
7. Open hexagon head screw M8x32 and nut M8 with two open ended wrenches (SW13).
8. Remove the handle with pedal bar from the arm trainer shaft and place it on its side together with the screw, nut and washers.
9. Remove the black spacer from the shaft.

Step 5: Disassembling the Right Housing I



10. Remove the O-ring from the housing collar on the height adjustment handle.
11. Unscrew the operating panel with a Phillips screwdriver until the nut on the opposite side is open.

Step 6: Disassembling the Right Housing II



12. Using a Phillips screwdriver, unscrew the M3x10 pan-head screws near the collar transition, 2x near the leg trainer shaft and the arm trainer shaft and the thermoplastic screw 30x16.
13. The right side of the housing can now be removed.

Removing the Left Housing

Step 1: Preperation



Tools:

- Phillips screwdriver
- Flat-tip screw driver
- Allen keys SW3, SW4
- Open-end wrench SW13 (2x)
- Spreader pliers

Step 2: Removing the Transport Handles



1. Carefully remove the cover plug at the end of the transport handle using a flat-tip screwdriver.
2. Unscrew positioning screw M4x12 cylinder head screw with allen key SW3.
3. Unscrew the M4x12 Allen head screw (2 pieces) with the Allen key SW3 on the underside of the transport handle and then remove the transport handle.

Step 3: Removing Footshell on Left Side



4. Remove protective caps from screw head and nut.
5. Open hexagon head screw M8x32 and nut M8 with two wrenches (SW13).
6. Remove the foot rest with pedal rod from the leg trainer shaft and place it on its side together with the screw, nut and washers.

Step 4: Removing Handles from Left Side



7. Open the eccentric lever on the left pedal bar.
8. Open locking ring Ø10 with spreader pliers and remove handle with pedal bar.
9. Remove the black spacer from the shaft.

Step 5: Opening Control Panel



10. Unscrew the thermoplastic screws 30x16 (5 pieces) with a Phillips screwdriver and remove the bottom shell of the operating housing.
11. Open locking ring Ø22 with spreader pliers and remove RJ45 plug from data bus cable.

Step 6: Removing the Control Panel



12. Pivot the control unit as far as it will go and carefully pull it out of the pivoting shaft (make sure that the data bus cable is not jammed).

Step 7: Dismanteling the Left Housing I



13. Remove the O-ring from the housing collar on the height adjustment handle.
14. Unscrew the M3x45 pan-head screw in the swivel area of the operating unit using a Phillips screwdriver until the nut on the opposite side is open.

Step 8: Dismanteling the Left Housing II



15. Use a Phillips screwdriver to unscrew the M3x10 pan-head screws in the area of the collar transition, 2x the leg trainer shaft and the arm trainer shaft and the thermoplastic screw 30x16.
16. The left side of the housing can now be removed.