

PREVENTIVE MAINTENANCE SCHEDULE

Maxi Move



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Preventive Maintenance Schedule

Equipment operators and service/maintenance personnel should keep this preventive maintenance schedule on hand.

This preventive maintenance schedule documents the basic steps to ensure product safety. Arjo offers comprehensive service support programs to maximise the long-term safety, reliability and value of this product. For more information or to ask for quotations on these services, contact your local Arjo representative.

The equipment is subject to wear and tear, and the following maintenance instructions must be performed when specified to ensure that the equipment remains within its original manufacturing specifications.

Please refer to the “Operating Instructions” 001.25060.XX (XX = two letters of the language code) as well as the “Parts List” 001.25070.EN which are available from your Arjo dealer.

Unauthorized modifications on any Arjo equipment may affect its safety. Arjo will not be held responsible for any accidents, incidents or lack of performance that occur as a result of any unauthorized modification to its products. Arjo strongly advises and warns that only Arjo designated parts should be used on equipment and other appliances supplied by Arjo, to avoid injuries that can be attributed to the use of inadequate parts.

Definitions Used in this Manual:

WARNING:

Means: Failure to understand and follow these instructions may result in injury to yourself and others.

CAUTION:

Means: Failure to follow these instructions may cause damage to the product(s).

NOTE:

Means: This is important information regarding the correct use of the equipment.

Preventive Maintenance Schedule

Action	DPS Spreader Bars								Loop Spreader Bars							
	Manual				Powered				2-4 Point				Stretcher			
	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years
Visually inspect the condition of all sling attachment points for damage. If any is found, replace with new unit.		X				X				X				X		
Make sure all instruction labels are attached and readable. Replace as required. See "Operating Instructions" for location of labels.		X				X				X				X		
Check the condition of the friction discs and bushings within the pivot points. If found worn and/or damaged, parts must be replaced. See Fig. 5.			S				S									
When the friction discs and bushings have been checked/replaced, reset the friction assembly and verify that the handle can support a 5.4 kg (12 lb) weight load.			S				S									
Visually inspect all external parts, making sure no damage has occurred during use. Replace parts as required.			S				S									
Make sure the unit can be powered through the full range smoothly.							S									
Examine all exposed parts, especially where there is close contact with the patient's body. Make sure no cracks or sharp edges have developed that could cause injuries or become unhygienic. Replace where necessary.		X	S			X	S			X	S			X	S	

KEY: X = Action required on the part of the customer S = Action required on the part of a qualified service technician

Preventive Maintenance Schedule

Action	DPS Spreader Bars								Loop Spreader Bars							
	Manual				Powered				2-4 Point				Stretcher			
	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years
Inspect the condition of the leaf spring and locking clip at the attachment point. Replace if damaged.		X		S		X		S		X		S		X		S
Visually inspect that the spreader bar correctly installs on the jib, i.e. that the plastic clip latches into the groove on the "T" part on the jib.	X				X				X				X			
Visually inspect to make sure the leaf spring within the locking clip is correctly installed. See Fig. 6.		X				X				X				X		

Action	Maxi Move				Accessories							
					Slings				Battery Charger			
	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years
Examine for damage/fraying to sling, straps and clips; replace as required.					X		S					
Visually examine the battery charger for loose connectors, cut wires, damaged casing etc. Do not use if damaged in any way.									X		S	
Make sure the battery is in a good state of charge. See "Operating Instructions" for the battery charging procedure.	X		S									

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Action	Maxi Move				Accessories							
					Slings				Battery Charger			
	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years
Recharge battery for a minimum of 15 hours once every seven days. See “Operating Instructions” for battery charging procedure.		X	S								X	
Operate the lift through its full range from both the control panel and the control handset in a normal and smooth manner.		X										
With the jib in the fully lowered position, visually examine the exposed lifting straps on each side of the mast for any cuts or fraying. If damaged in any way, withdraw lifter from use immediately and have lift straps replaced with new ones.		X										
Open and close the chassis legs and check for full range of motion and smooth movement.		X										
Visually check the condition of the handset and its cable. If damaged, withdraw from service immediately and replace with new cable and handset assembly.		X										
Visually check that all external fittings are secure, and all screws and nuts are tight.		X										
Make sure all castors rotate freely and that the two rear brakes lock. Replace as required.		X										
Make sure all castor-mounting pins are tight on the chassis and chassis legs, and that the castor tread is not damaged. Replace as required.		X										
Make sure all instruction labels are firmly attached and readable. Replace as required. See “Operating Instructions” for location of labels.		X										
Examine all exposed parts, especially where there is close contact with the patient’s body. Make sure no cracks or sharp edges have developed that could cause injuries or become unhygienic. Replace where necessary.		X										
Test the “Automatic Cut-out” function. See Note 1.			S									

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Action	Maxi Move				Accessories							
					Slings				Battery Charger			
	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years
Test the “Immediate Stop” facility. See Note 2.			S									
Mechanically test the “System Failure Wind Down” facility. See Note 3.			S									
Where a scale is installed, check the accuracy of the unit and recalibrate if required. See Note 4.			S									
Examine the two lifting straps over the entire length. Replace the straps if there is evidence of wear or damage.			S									
Perform a torque tightening check. Identify type of legs (see Fig. 8) and perform torque tightening check according to leg model and material. See Note 5.			S									
Check the 2.5 kg (4 lbf) force required to rotate the jib pivot. Adjust screw if required. See Fig. 9 for location.			S									
Check the gap between the “T” piece flange and jib. If more than 2 mm, replace jib bushings (minimum gap is 1 mm). See Fig. 9 for location of gap.			S									
Verify the width of the legs (see Fig. 10). First, remove the leg covers. With the legs closed, measure center to center at the ends near the front castors. Adjust only if dimension “A” is shorter than 650 mm (25 1/2”) for Standard height leg model (KMCS**) and Low height model (KMCL**) or shorter than 695 mm (27 3/8”) for Extra Low height leg model (KMCE**).			S									
It is recommended to replace the two lift straps every 2 years if they are used. If the straps appear damaged or worn before then, replace the straps immediately. Lubricate the two top strap rollers.				S								

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					Slings				Battery Charger			
	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years	Before Every Use	Every Week	Every 12 Months	Every 2 Years
Check and lubricate the upper and lower mast sliders. Replace if worn or damaged. If necessary, adjust to remove excessive gap in the column.				S								
Check and replace as necessary the 4 jib rollers and 2 guide blocks if they show signs of wear or damage.				S								
Check the combi “T” piece and attachment contacts if fitted. Clean and replace as required. Check the T-bar bushing for excessive wear.				S								
Check the Usage Counter and reset if required. See Note 6.			S									

KEY: **X** = Action required on the part of the customer **S** = Action required on the part of a qualified service technician

Notes

Note 1

With the jib raised well above its lowest position, use the control handset to lower the jib. At the same time, hold the jib up with your other hand for about five seconds. The motor will stop as long as the jib is held up. Release the button on the handset. The jib must remain in its original position. Repeat the test this time using the control panel lower button.

Note 2

Use the control handset to lift or lower the jib. Meanwhile, press the stop button. Powered movement must stop immediately. Reset by pressing the green power button. Repeat the test operating the chassis legs to open or close.

Note 3

1. Raise the red coloured emergency lever (see Fig. 7).
2. Remove locking pin.
3. Turn handle clockwise. The jib must lower freely.
4. Reinstall the locking pin. Close lever.

Note 4

In the EU (where approved), if a Class III scale has been installed, the scale must be reinspected by an approved organization and signed off in the log book.

Note 5

- (a) Chassis to the mast link (x 1):
48-52 N•m (36-39 lbf•ft) See Fig. 8, item D x 1.
- (b) Chassis leg pivot bolts (x 2):
20-25 N•m (15-18 lbf•ft). See Fig. 8, item B x 2.
- (c) Castors to the chassis legs (Aluminum - x 2):
15-20 N•m (11-15 lbf•ft). See Fig. 8, item A x 2.
- (d) Castors to the chassis legs (Steel - x 2):
35-40 N•m (26-30 lbf•ft) See Fig. 8, item C x 2.
- (e) Castor to the chassis legs (Extra Low Height (x 2):
6-8 N•m (4.5-6 lbf•ft) See Fig. 8, item E x 2.

NOTE: For a full list of spares and spares packages, please refer to the “Maxi Move Parts List” 001.25070.EN. That manual is available through your local Arjo distributor.

Note 6

WARNING: Never reset the usage counter without first making sure that all the maintenance needs of the lift have been addressed as described in this manual. Failure to do so may leave potential issues undetected.

To access the usage counter screen:

1. Turn off the Maxi Move by pressing the red stop button (see Fig. 1).

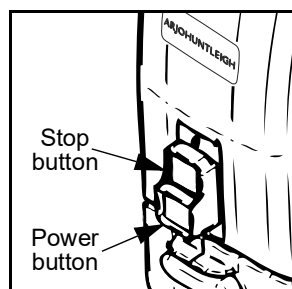


Fig. 1

2. With the handset, push down simultaneously on both buttons just below the display, as well as the DPS “sit up” button (see Fig. 2). While keeping the buttons pressed, turn the unit on with the power button and hold the buttons down for three additional seconds or until you hear a series of three beeps.

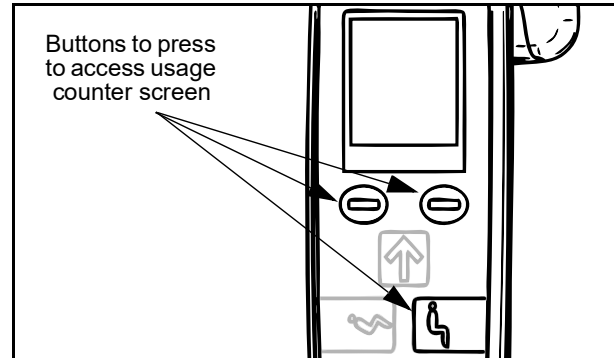


Fig. 2

3. The usage counter screen will display two columns of digits (see Fig. 3). The digits displayed represent the accumulated time (in tenth of hour) of the mast motor's powered movement.

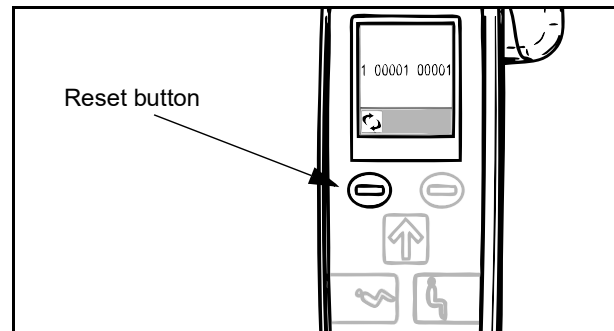


Fig. 3

4. Press the reset button for five seconds to set the usage counter back to zero. A series of beeps will confirm that the usage counter was reset.
5. Turn the unit off again using the stop button. When the unit is next powered up, the digits for the usage counter will show a zero value (see Fig. 4).

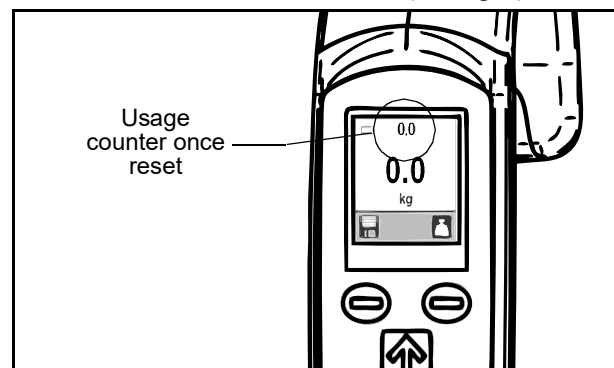


Fig. 4

Notes

Typical Pivot Point

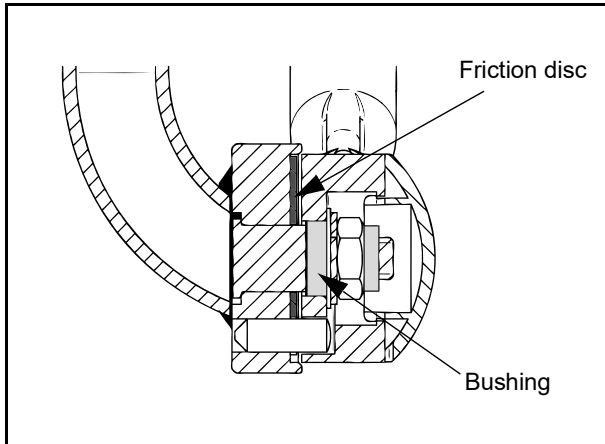


Fig. 5

Torque Tightening

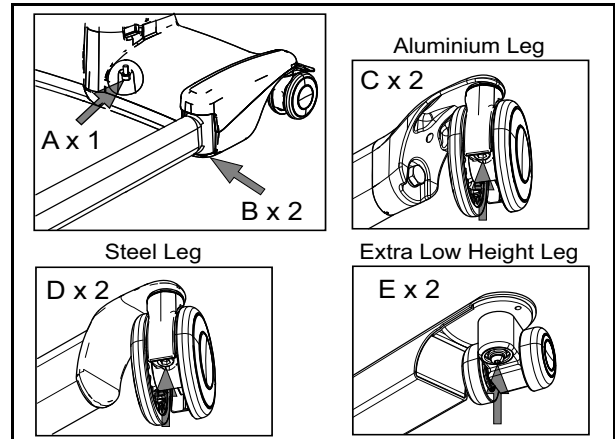


Fig. 8

Typical Lifting Attachment Using a Leaf Spring and Locking Clip (Combi system)

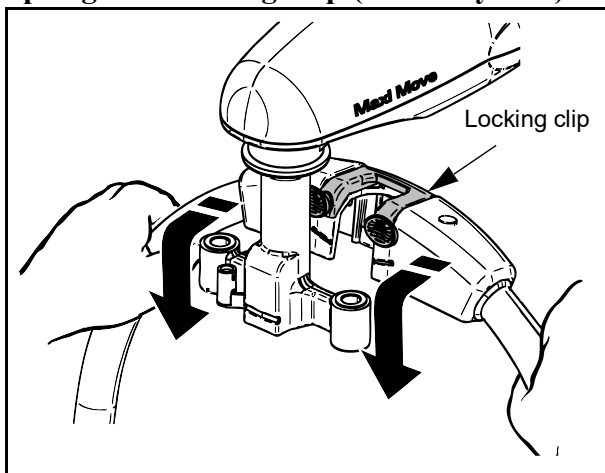


Fig. 6

Jib Pivot

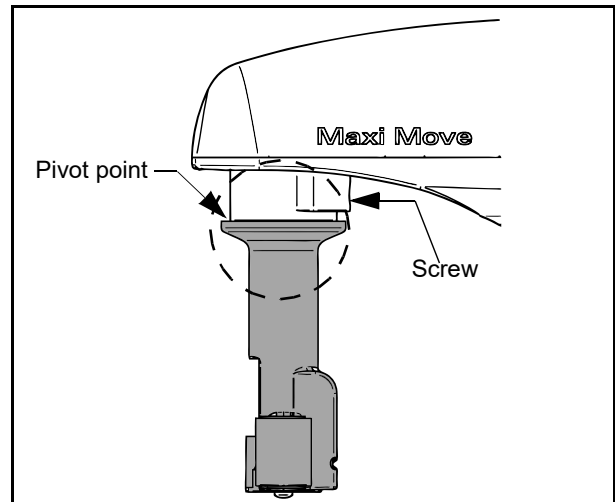


Fig. 9

Mechanical Lowering

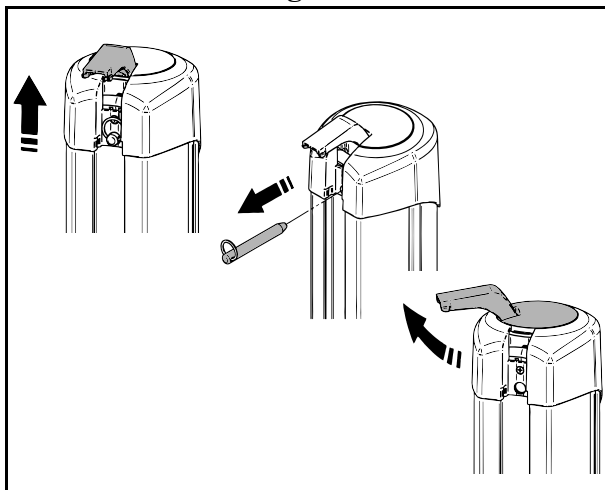


Fig. 7

Leg Width at Closed Position

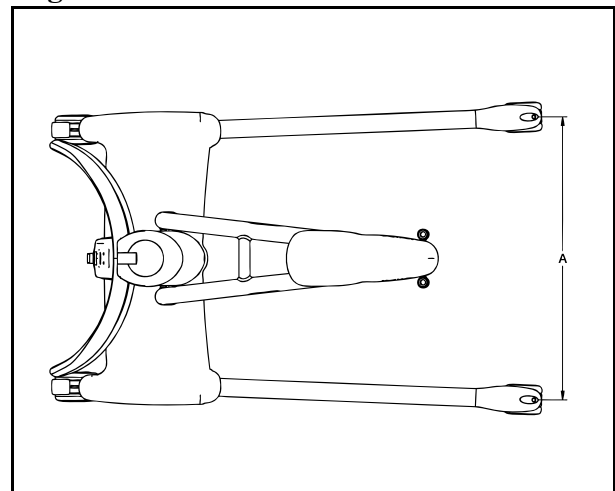


Fig. 10

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At Arjo, we believe that empowering movement within healthcare environments is essential to quality care. Our products and solutions are designed to promote a safe and dignified experience through patient handling, medical beds, personal hygiene, disinfection, diagnostics, and the prevention of pressure injuries and venous thromboembolism. With over 6500 people worldwide and 65 years caring for patients and healthcare professionals, we are committed to driving healthier outcomes for people facing mobility challenges.



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