

Minivator Travel Track

User Manual



For your safety

Fully read this manual prior to using your Minivator Travel Track. Failure to take notice of the hazards, warnings and procedures detailed in the manual could result in death, serious injury or damage to your Travel Track.

Important information

Your Minivator Travel Track

- Your Minivator Travel Track is designed as a portable overhead track system only. Never use the Travel Track for any other purpose than lifting clients with appropriate ancillary lifting equipment.
- Never allow children to operate or play with the Travel Track.
- Keep animals away from the Travel Track.
- The Travel Track contains no user serviceable parts. In the event of damage or malfunction please contact your Minivator dealer or our Customer Service department on 08700 118282.
- Only clean your Travel Track in line with the instructions detailed on page 13.
- Your Minivator Travel Track should never be used on inclined surfaces.

Use your Minivator Travel Track safely

The operation and use of the Minivator Travel Track is simple and intuitive. However, due to the function that the Travel Track performs it is imperative that the safety precautions are observed to ensure problem free lifting.

- Do not use the Travel Track if a fault has occurred – contact your Minivator dealer or our Customer Service department on 08700 118282.
- Please read the User Manual very fully and carefully before using the Travel Track.
- The individual setting up the Travel Track must fully understand the set up methods and safety features of the Travel Track and lifting equipment used with it.
- The safe working load is 130 kg. Do not exceed this.

- The Travel Track must only be used on a solid, even, flat, stable and dry surface.
- The Daily Check List (see page 13) must be completed every day before using the Travel Track to ensure safe operation.
- Only lift a client positioned within the footprint of the frame.
- Ensure that the client is positioned directly below the lifting unit before beginning any lifting operation.
- Have the frame and lifting unit regularly examined and serviced by a competent service engineer.

Introduction

Thank you for choosing a Minivator Travel Track to assist you in your moving and handling needs. Please read these operating instructions carefully before use. Your Minivator Travel Track has been designed and built with careful attention to detail. In order to ensure many years of trouble free use please follow the instructions carefully.

Please contact your Minivator dealer or our Customer Service Department in the United Kingdom on 08700 118282 if your Travel Track requires attention and we would be pleased to help you.

Minivator recommend that you do not undertake maintenance tasks other than the routine care explained in this handbook. Please contact your supplier or Minivator dealer if you require further information.

A thorough examination and test is recommended every 6 months and a full service once per year. This should be undertaken by a competent person.

Maximum safe working load for this Minivator Travel Track is 130kg, or 285lbs, or 20½ stones.

Manufacturing Standards

Minivator has been accredited as conforming to the international standard of manufacturing, recognised by the award of ISO 9001.

The Minivator Travel Track is built and tested to conform to the BS EN ISO 10535:2006 Standard. It also carries the CE mark.

Minivator is audited regularly to ensure we continue to conform to ISO 9001 which ensures you have a high quality, well manufactured product.



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Description and applications

The Minivator Travel Track is a portable, lightweight, overhead track system which folds into an integral transport case. When used with a compatible portable lifting unit and sling the Travel Track can be used as an aid to assist carers in transferring clients safely and

efficiently from a wheelchair, armchair, bed, bath, shower seat or toilet, and lifting from the floor, with 90° rotation. It is suitable for clients in the recumbent, sitting and sitting/recumbent positions.



Erecting

⚠ Note: The Travel Track is designed to be easily and intuitively set up. Before use please ensure that it complies with any applicable local moving and handling guidelines.

The Travel Track weighs approximately 23kg. Ensure that help is available when removing the Travel Track from its sleeve if necessary.

1. Move the Travel Track on its wheels to the selected location (Fig 1) and stand upright on its base (Fig 2).
2. Take a firm grip of the top handle on the opposite side to the wheels and using them as a pivot lower the Travel Track onto the floor (Fig 3).
3. Pull the ring situated above the top handle (as per step 2) and release the catch (Fig 4).
4. Take a firm hold of the top handle and lift the case, swinging the top half of the case over until it is fully open (Figs 5 and 6).

⚠ Note: There is a possible trapping point between the two halves of the case as it opens. Make sure there is nothing to obstruct the case from fully opening and all body parts are kept well away from this area.

5. When the case is fully open a catch will automatically engage to lock the case in the open position.
6. Check the catch has engaged by lifting the top handle a little. The whole case should lift as a single piece and not fold in the middle if the catch is correctly engaged.

⚠ Note: Ensure that health and safety guidelines on lifting are always followed to ensure that no personal injury occurs.

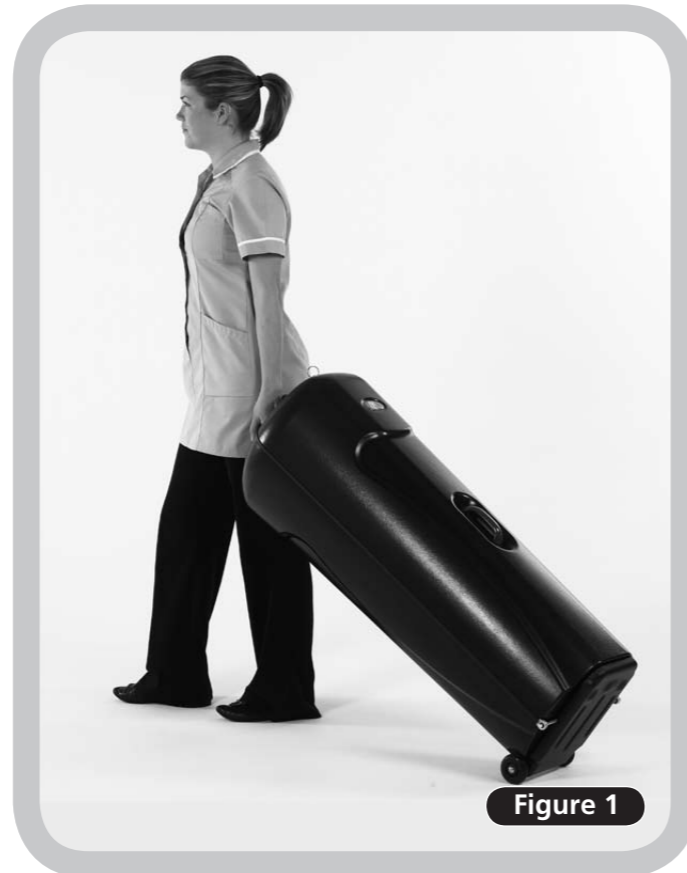


Figure 1

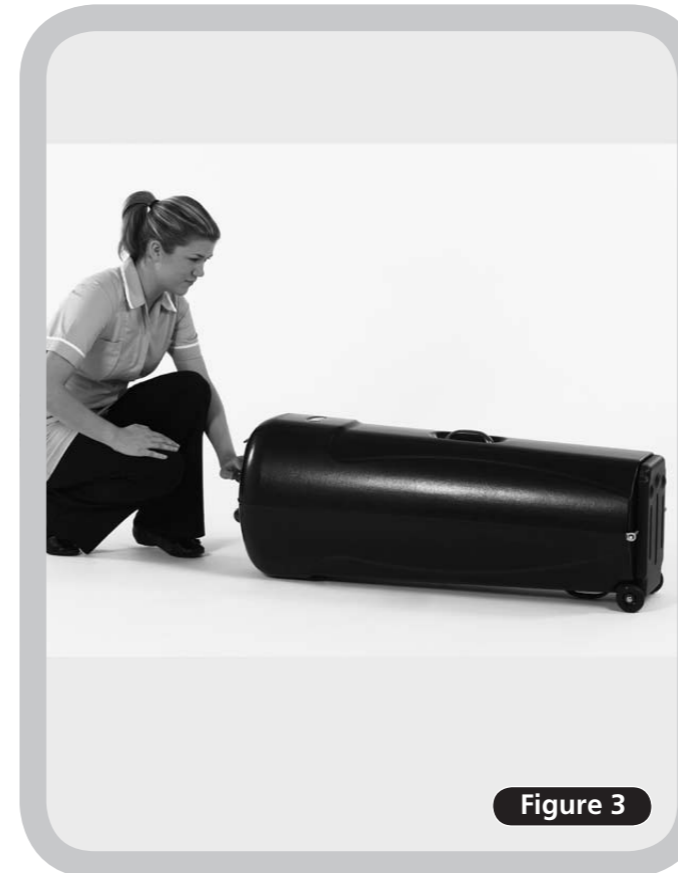


Figure 3



Figure 5



Figure 2



Figure 4

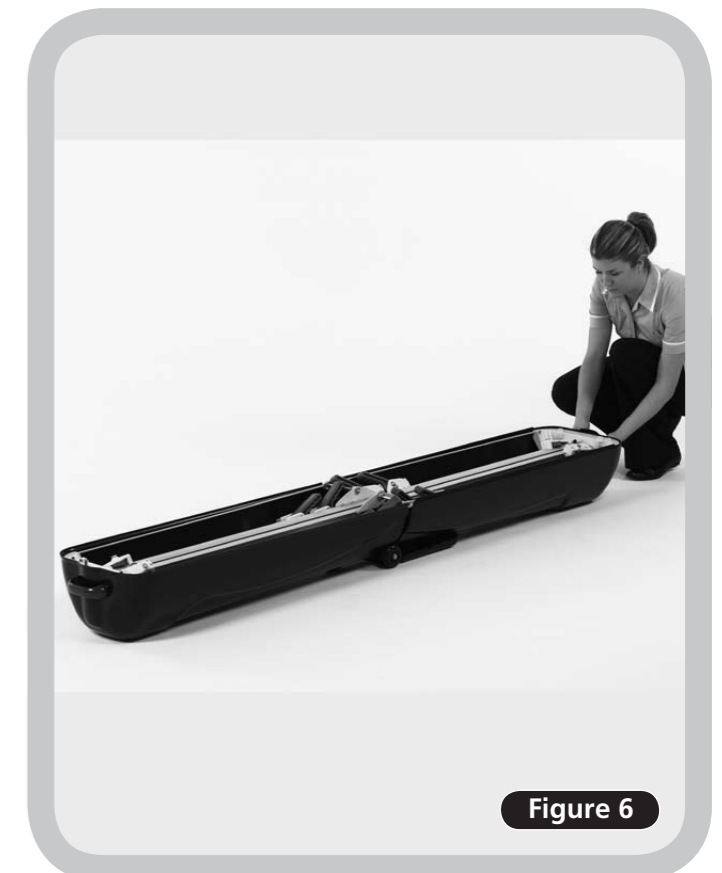


Figure 6

Erecting (continued)

7. Select a blue/yellow leg handle and disengage a leg from its clip by pulling it upwards. Unfold the leg past the upright position until it engages with the retaining catch at the end of the track (Fig 7).

⚠ Note: A visual indication is provided on the release button to show that the leg is fully engaged. The release button will show a green band (Fig 8) to show that the leg is in the locked position.

⚠ Note: There is a possible trapping point between the leg and the leg location feature. Keep hands and fingers clear of this area when unfolding the legs.

8. Repeat this operation for all four legs (Fig 9).

9. Move the Travel Track carefully if required to its cleared position.

10. Grip the legs below the leg handles and roll the Travel Track onto its side (Fig 10). Using the handles on the top of the case rotate the Travel Track on its four feet (Figs 11 and 12).

11. Once the Travel Track is standing on its legs the next stage is to extend them.

12. Select a leg. Grip the handle at the end of the case next to this leg and carefully lift the end of the Travel Track to waist height.

13. Grip the lower yellow/blue leg handle firmly with your other hand and release your grip on the case handle.

14. With the hand that was gripping the case handle pull down on the blue/yellow foot and extend the lower tube fully (Fig 13).



Figure 7



Figure 10



Figure 13

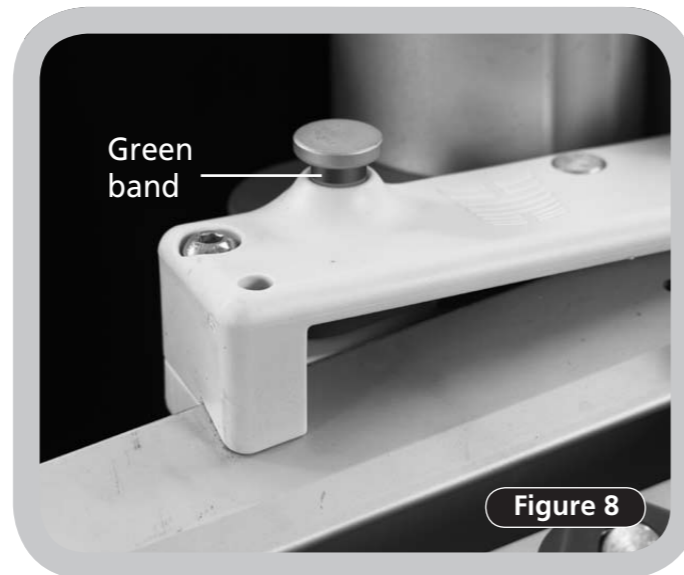


Figure 8



Figure 11



Figure 9



Figure 12

Erecting (continued)

15. Before proceeding ensure that the locking catch is engaged correctly. The side of the catch has a red coloured indicator that is only visible when the catch is not correctly engaged (Fig 14). If, after extending the leg fully the red indicator is still visible, lift the lower leg slightly - the catch should snap into place automatically.
16. Push the yellow/blue handle down to the locked position (Fig 16).
- ⚠ Note: At this point the frame has only one partially assembled leg and it is unstable. Care is required. If handling the Travel Track in this unstable configuration causes a problem please seek assistance.**
17. Transfer your grip to the other leg at the same end of the case and extend the lower tube on that leg. As previously, ensure that the lower tube is locked in position by observing the red indicator on the locking catch.
18. Push the yellow/blue handle down to the locked position on this leg.
19. Lower the case and position the partially extended legs on the floor.

20. Repeat the above process (steps 12-19) for the two legs at the other end of the frame (Fig 17).
21. The Travel Track should now be standing evenly on all four partially extended legs.
22. Move to one end of the case.
23. Select a leg and firmly grip the blue/yellow upper leg handle tube. Push the handle upwards and extend the middle tube to its furthest extent (Fig 18).
24. Make sure the locking catch engages as previously described.
25. Lock the blue/yellow handle as previously described.
26. Repeat for the other three legs (Fig 19).
27. Before attaching a lifting unit check that all the locking catches are fully engaged and that all of the locking blue/yellow handles are in the down position.
- ⚠ Note: The folding design of the Travel Track means that there are a number of potential pinching/trapping points during set up. Take care to keep hands and fingers away from these and possible trapping points during the erection process.**

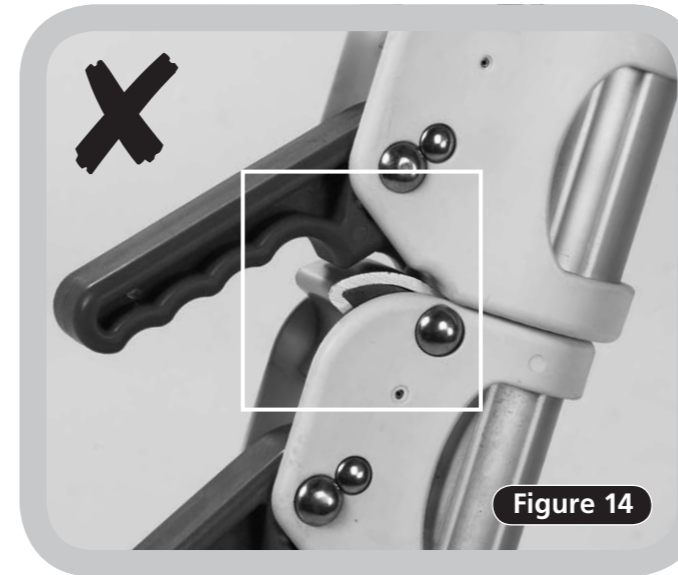


Figure 14



Figure 17

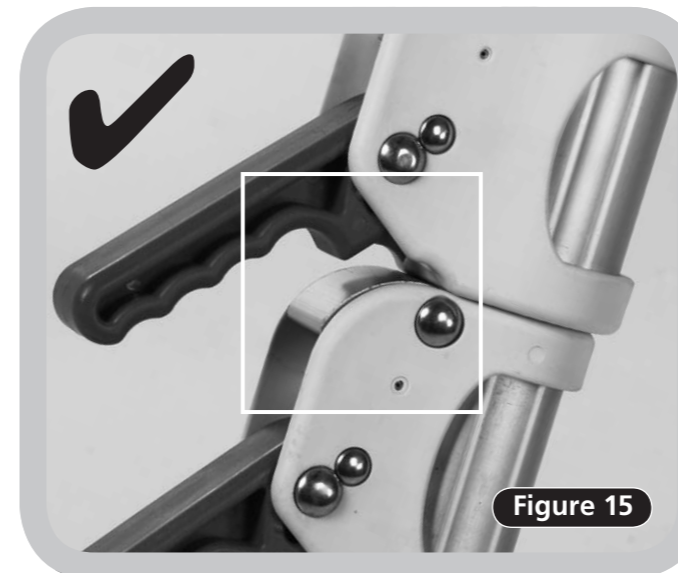


Figure 15



Figure 18



Figure 16



Figure 19

Folding Away

1. Remove the lifting unit from the track and move the trolley to the parking position marked on the track (Fig 21). To move the trolley pull down gently whilst pushing.
 2. Select a leg and lift the blue/yellow lower leg handle and use it to lift the lower leg slightly off the floor. Lift the locking catch and retract the lower leg approximately 75 mm (3 inches).
 3. Transfer your grip to other leg. Lift the blue/yellow handle and then unlock the locking catch (Fig 22). Now fully retract the lower leg.
 4. Whilst retaining your grip on the leg, use the weight of the Travel Track and lower it gently to fully retract the opposite leg.
- ⚠ Note: The locking catches will not lift if there is any load on the leg. This is a safety feature that prevents the leg from retracting under load.**
5. Lower the end of the frame so it stands on the two partially retracted legs.
 6. Repeat steps 2-4 for the other two legs.
 7. Stay at the same end and retract the middle legs by lifting the locking catch and the blue/yellow handles and sliding the middle sections into the top sections.
 8. Lower to the floor.
 9. Repeat the process for the other two legs.
 10. The Travel Track should now be standing on four fully retracted legs.
 11. Using the handles on the top of the Travel Track case, rotate the Travel Track onto its side (Fig 23) and then, using the legs, onto its back with the legs pointing upwards.
 12. Select a leg and press the leg release button (Fig 24). Holding a blue/yellow handle, fold the leg down gently and clip it into the leg clip in the case (Fig 25).
 13. Repeat step 12 on the remaining three legs.
 14. Find the end of the case with the silver ring.



Figure 21

15. Pull the ring to release the case locking mechanism and then fold the track by lifting the handle until the case latch engages (Fig 26).

⚠ Note: Make sure the case catch has engaged and the base cover is secured by lifting one of the handles at the end of the case a small amount.

16. The Travel Track is now ready for transporting (Fig 27).



Figure 22



Figure 25



Figure 23



Figure 26



Figure 24



Figure 27



Transporting

The wheels on the base of the folded Travel Track have been provided for ease of transportation. The Travel Track is more easily controlled if it is pulled rather than pushed.

The Travel Track weighs approximately 23 kg. Handles are provided but care should be exercised when lifting. For example you may need assistance for lifting into a car boot or down stairs

Daily Check List

The operation of the Travel Track is simple, however, it is important to make sure the Travel Track and any lifting unit and sling used with it are in good working order before lifting a client.

Following is a Daily Check List which will help to ensure problem free lifting.

1. Check the trolley moves freely in the track. (Note the trolley will not run along the track unless it is loaded or the loop is pulled down).
2. Check the legs are in the locked position.
3. Confirm the leg latches are fully engaged (Fig 15 and 16).
4. Confirm the leg clamps are in the locked position (Fig 15 and 16).
5. Check the lifting unit is safely connected to the trolley.
6. Check for sharp edges caused by damage, missing parts or wear. Do not use until hazard has been eliminated.

⚠ Note: The Travel Track should not be used on inclined surfaces.

Cleaning and Care

⚠ Note: Personal protective clothing should be worn when carrying out cleaning or disinfection.

All surfaces should be cleaned by wiping with a disposable cloth moistened with hand hot water and a neutral detergent. Rinse using clean water and dry with paper towels.

When used by a patient known or suspected of having an infection this piece of equipment should be disinfected. After washing, wipe over with NaDCC at 1,000 ppm of available chlorine (or other chlorine releasing agent). Alternatively wipe over with a 70% Isopropanol Alcohol wipe.

Cautions

⚠ Do Not use Hypocarbonate or Phenol based cleaning agents.

⚠ Tests show undiluted Dettol may damage paint and plastic parts if prolong contact is allowed.

⚠ Do not use abrasive compounds or pads.

Maintenance

Minivator recommend that the Minivator range of patient lifting devices and lifting accessories receive a thorough six-monthly examination and test. This examination and test should be carried out by a competent person. This product should also receive a full service once a year.

Minivator and Minivator Dealers can offer this after sales care.

This maintenance, servicing and examination is in line with the requirements of No 2307 Health and Safety: The Lifting Operations and Lifting Equipment Regulations 1998 (LOLER). The examination, tests, servicing and repairs should be carried out in accordance with the Travel Track Service Manual which is available upon request.

⚠ Warning: Use only Minivator approved replacement parts.

First Line Maintenance

(For more details please refer to Service Manual)

The Minivator Travel Track has been designed to be maintenance free as far as is practicable, however some checks and first line maintenance is recommended to ensure the correct, safe and trouble free performance of the gantry:

Case (closed)

- Check for any sharp edges caused by wear and tear, damage or missing parts.
- Take whatever action necessary to eliminate sharp edges.
- Check that the handles are firmly attached. If they are loose, tighten as necessary.
- Check the case remains firmly closed with the catch engaged. If not, the reason must be identified and any necessary repairs/adjustments must be made.
- Check the wheels for free rotation and firm attachment. Remove any threads or fibres that may prevent the wheels from free running.

Case (open)

- Check the case catch operates smoothly and releases the case halves correctly.
- Open the case fully and check for wear and/or stiffness in the hinge.
- Confirm the track locking catch operates automatically and releases when activated. If not, the reason must be identified and any necessary repairs/adjustments must be made.
- Lubricate catch pivots.

Stage 1 – leg opening (all four legs)

- Make sure the leg clips retain the legs securely.
- Check the leg pivots operate smoothly and the pivot bolts are fully tightened.
- Swing the legs to the locked position and check the leg locking catch is engaged. Confirm by checking the green band is visible on the release button. If the release button does not engage and the green band is not visible the assembly must be investigated and repair/lubrication carried out.
- Activate leg release button and confirm leg releases correctly.
- Confirm leg catch assembly is fully tightened to track.

Leg extension (all four legs)

- Pull the lower leg to full extension and make sure the leg catch engages correctly (no red visible).
- Operate the leg clamp handle (blue/yellow) and make sure the leg is firmly clamped.
- Fully extend the middle leg and check the leg catch and leg clamping.
- Check leg foot is securely attached and confirm the ball and socket joint is free to rotate. Lubricate joint with any mineral based grease if required.

Maintenance (continued)

Track (best conducted with Travel Track fully erected)

- Check for track alignment.
- Confirm presence of end of track buffers.
- Pull down lifting unit attachment loop on trolley and confirm free unimpeded travel along full length of track.
- Confirm function of trolley parking.
- Clean inside surfaces of track with lint free cloth, soap and water. Dry thoroughly.

Lifting unit

Any lifting unit used in conjunction with the Minivator Travel Track should be thoroughly examined and maintained according to the manufacturer's instructions.

Slings

Any slings used in conjunction with the Minivator Travel Track should be thoroughly examined and maintained according to the manufacturer's instructions.

Load test

A load test should be carried out in accordance with the manufacturer's test procedures. Any maintenance, repair, thorough examination or testing must be carried out by a competent person.

Ancillary Equipment

Warning

The maximum working load of the combination of the Minivator Travel Track, lifting unit and sling must be taken as the lowest Safe Working Load (SWL) of any part of the combination.

For example: The Travel Track is rated at 130 kg SWL, a lifting unit may be rated at 200 kg SWL and a sling rated at 175 kg SWL. The Safe Working Load of the combination is therefore 130 kg.

Please check with the manufacturer of the lifting unit that their product is compatible with the Travel Track. The operating instructions, safety precautions and maintenance procedures recommended by the manufacturer should be followed at all times.

⚠ Note: Please refer to the manufacturer's specification for weight of the lifting unit.

⚠ The maximum Safe Working Load of the Minivator Travel Track is 130 kg.

Troubleshooting

Symptom	Possible Cause	Remedy
Case catch will not engage	<ol style="list-style-type: none"> 1. Loose catch spring 2. Loose catch spigot 3. Wear on either spring or spigot 	<ol style="list-style-type: none"> 1. Call Service Engineer 2. Call Service Engineer 3. Call Service Engineer
Track catch will not disengage	<ol style="list-style-type: none"> 1. Cable snapped 2. Cable stretched 	<ol style="list-style-type: none"> 1. Call Service Engineer 2. Call Service Engineer
Leg locking catch will not engage (green indicator not showing)	<ol style="list-style-type: none"> 1. Spring loaded plunger stuck. 2. Catch assembly shifted on mountings 	<ol style="list-style-type: none"> 1. Call Service Engineer 2. Call Service Engineer
Leg locking catch will not release	<ol style="list-style-type: none"> 1. Load on leg 2. Leg clamping handle still locked 	<ol style="list-style-type: none"> 1. Take load off leg 2. Release leg clamp
Leg extends under own weight	<ol style="list-style-type: none"> 1. Catch spring broken 2. Nylon screw in leg catch worn 	<ol style="list-style-type: none"> 1. Call Service Engineer 2. Call Service Engineer
Leg clamping light/loose	<ol style="list-style-type: none"> 1. Worn clamp handle 2. Worn pressure pad 	<ol style="list-style-type: none"> 1. Call Service Engineer 2. Call Service Engineer
Legs will not retract	<ol style="list-style-type: none"> 1. Damage to leg 2. Leg clamping still engaged 	<ol style="list-style-type: none"> 1. Call Service Engineer 2. Release leg clamp
Legs will not extend	<ol style="list-style-type: none"> 1. Foreign object causing jamming 	<ol style="list-style-type: none"> 1. Call Service Engineer
Trolley not running along track	<ol style="list-style-type: none"> 1. Parking still engaged 	<ol style="list-style-type: none"> 1. Apply load to hook
Trolley movement stiff or noisy	<ol style="list-style-type: none"> 1. Foreign bodies in track 2. Wheels worn/damaged 3. Bearings worn/damaged 	<ol style="list-style-type: none"> 1. Clean track 2. Call Service Engineer 3. Call Service Engineer

Spares

Item	Part Number	Item	Part Number
Box Half Lower	HP808.10	Trolley buffer	HPS6527
Upper Box Half – Labelled	HP808.130	Leg clamping pad	HP808.79
End Cover	HP808.106	Transport wheel (Pair)	HPS6359
Carrying handle	HP55238	User Manual	HP800-105-1
Leg assembly	HP808.51	Service Manual	HP800-106-1
Trolley assembly	HP808.57		

Technical specification

Safe Working Load (SWL)	130 kg
Maximum overall height	2150 mm
Maximum overall length	2560 mm
Maximum overall width	1820 mm
Height to track	1940 mm
Closed width	360 mm
Closed depth	400 mm
Closed length	1140 mm
Weight	23 kg
Operating temperature	+5°C to +40°C

Warranty and Service

Minivator standard terms and conditions apply to all sales. A copy is available upon request. These contain full details of warranty terms and do not limit the statutory rights of the customer.

Minivator recommends the Travel Track receives a thorough six-monthly examination and test. We also recommend the examination and test is carried out by a competent person.

The examination, tests, servicing and repairs should be carried out according to the recommendations detailed in the Hoist Service Manual which is available upon request.

For service, maintenance and any questions regarding this, or other Minivator products, please contact Minivator or your local Dealer.



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