



ITU Six

User Manual

IMPORTANT NOTE

To comply with BS EN 1789, the ITU Six trolley **MUST** be secured with the two-part locking device.

1. Intended Use of ITU Six

The ITU Six is intended for use by fully qualified, trained and competent carers, attendants, paramedics or other such medical staff as an aid to provide safe and secure transportation of babies within an incubator.

The ITU Six is designed without lift facility and is fixed in position.

Combining different manufacturers' products into a "mixed-component" trolley/fastener system can increase the user's risk of injury and damage if not checked first for compatibility.

However, Ferno trolleys are designed to be compatible with either the Ferno range of Two-part locking devices or competitors equivalent locking devices, giving you full compatibility and interchangeability across your fleet.

NOTE:

This manual is provided for the use, care and maintenance of the ITU Six only and does not provide any instruction for the incubator or other accessories that may be fixed to the transporter.

The ITU Six is manufactured by Ferno (UK) Ltd. and is provided with top fixings to accept an incubator type purchased by the user.

Contact Details

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2. Checking the Transporter

The following checks are recommended before the start of each shift's use of the ITU Six.

1. Check that the wheels and brakes operate satisfactorily.
2. Does the ambulance have a properly installed approved locking device?
3. Study this manual before use. Practice without a neonate in the incubator until totally competent in using the transporter.

Once these checks have been completed, then the transporter is ready to be used in regular service.

**TOTAL MASS OF TRANSPORTER INCLUDING
INCUBATOR AND ALL ACCESSORIES
140 kg**

Before driving the ambulance, make sure that the transporter is secured with the recommended locking device to prevent its movement in the patient compartment.

REFER TO PAGES 7 & 8 IF USING PRODUCT WITH 2-PART TRACK-MOUNTED FLOOR LOCK

This product must be regularly serviced and maintained in line with the manufacturer's recommendation to ensure satisfactory operation. A preventative maintenance scheme should be contracted at time of purchase. Regular cleaning helps reduce the risk of transmitting disease and enables the equipment to function at its optimum.

**WARNING
Always ensure that two crew members are with the transporter at all times**

3. Operating Procedure

Ensure that the following procedures are complied with:

1. When in use, stay with the transporter and control the transporter at all times.
2. Use help when needed to ensure the safety of the neonate and operators.

Wheeling the Transporter

1. The transporter is best rolled by two attendants, one pulling and the other assisting with guidance and steering as necessary.
2. If low obstacles (such as door sills) are encountered, roll up to them squarely and lift the leading wheels over the obstacle. Repeat for the trailing wheels.
3. High obstacles such as kerbs or steps, rough terrain, etc. should be recognised as potentially hazardous to smooth rolling and transporter balance and may require physical assistance or an alternative route.

Loading the transporter into a vehicle fitted with ramps

1. Position the transporter at the base of the ramps, with access to the incubator towards the operator in the ambulance and 'head end' label towards the ambulance.
2. With the crew member at the front end pulling and the crew member at the rear end pushing simultaneously, the transporter can now be advanced into the vehicle.
3. Secure the transporter into a suitable locking device.

Unloading the ITU from a vehicle fitted with ramps

1. Make sure that the incubator is disconnected from any vehicle mounted apparatus or instrumentation.
2. Operation by a minimum of two crew members at all times.
3. Disengage the transporter from the two-part locking device by depressing the foot pedal and rolling the transporter to the rear of the ambulance compartment.
5. Using two crew members guide the transporter down the ramp and out of the vehicle.

3. Operating Procedure

Loading the transporter into a vehicle fitted with a tail lift

1. The transporter is loaded with the 'head end' towards the front of the ambulance.
2. Guide the transporter on to the tail lift, 'head end' first.
3. Operate the tail lift as per manufacturers' instructions.
4. Secure the transporter into a suitable locking device.

Manual Foot End Lock

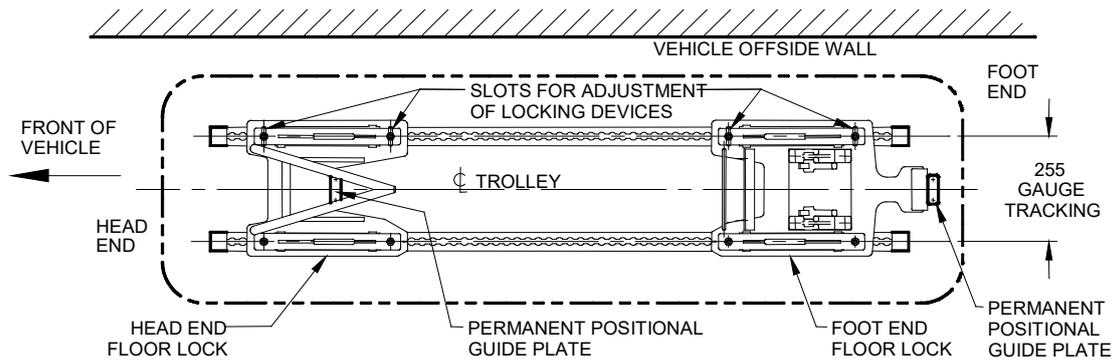
1. Ensure that the pedal on the foot end lock is depressed and guide the transporter into the head end floor lock. The foot end will automatically lock when the transporter is in the correct position.
2. Ferno UK Ltd set the locking function of each trolley before leaving the factory, this function is set to a nominal setting to accommodate all two-part locking devices. To alleviate any build-up of tolerance/discrepancies during manufacture/installation and different manufacturers locking devices, each Ferno trolley has in-built adjustment to both the head-end (horizontal) and foot-end (vertical) locking spindles. Should adjustment to either of these locking spindles be required, it is important to check compatibility in several vehicles to ensure a secure locking function.

This process must **only** be carried out by an approved ServiceCare trained technician.

Unloading the transporter from a vehicle fitted with a tail lift

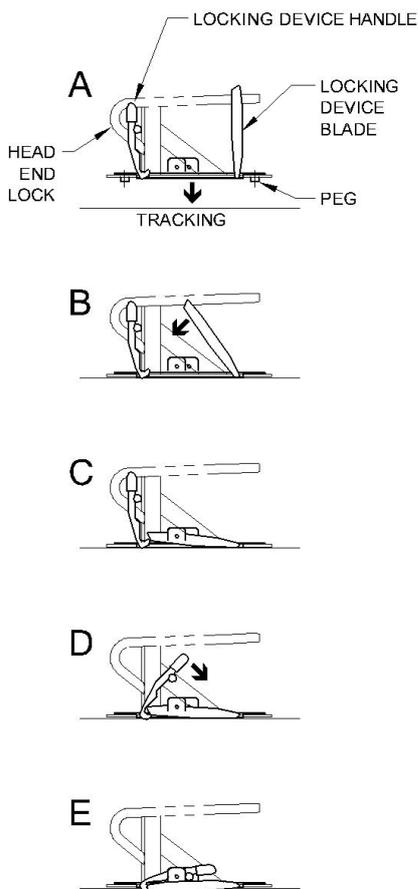
1. Make sure that the incubator is disconnected from any vehicle mounted apparatus or instrumentation.
2. Operation by a minimum of two crew members at all times.
3. Disengage the transporter from the two-part locking device by depressing the foot pedal and rolling the transporter to the rear of the ambulance compartment.
4. Guide the transporter onto the tail lift and out of the vehicle.

2-part Track-Mounted Floor Lock (255-mm Gauge NMI System)



1 Removal of Head End and Foot End Lock Assemblies

- On each locking assembly, undo the conical locking devices then retract the plunger and pull up release handle and blade of both locking devices.
- Remove lock assemblies.
- The small positional guide plates at the head end and foot end must remain fitted to the floor of the vehicle.



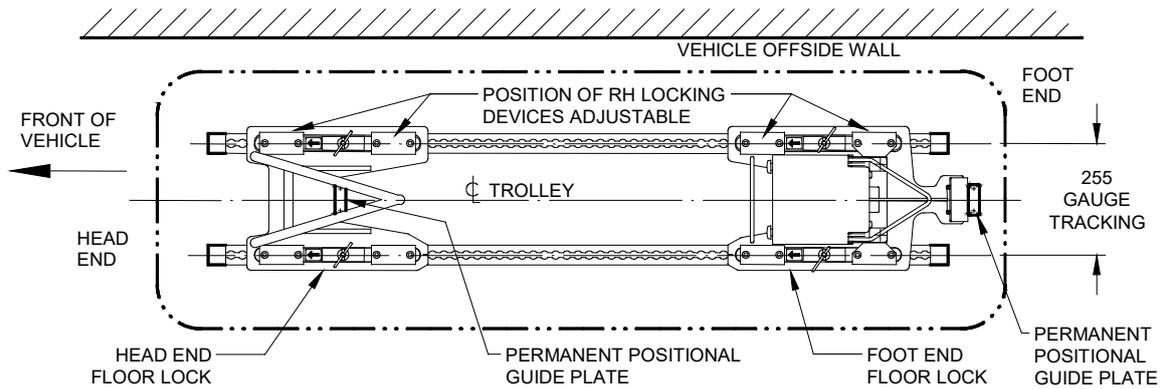
2 Installation of Head End Lock Assembly

- As shown in diagram **A** (left), ensure handle and blade of locking devices are in the fully open (up) position.
- Adjacent to the positional guide plate fitted to the vehicle floor between the tracking at the head end, locate the pegs on the underside of the lock assembly in the tracking.
- As shown in diagrams **B & C**, push blade of each locking mechanism down by hand until it stops.
- Push handle of each locking mechanism fully down (diagram **D**) until the integral plunger locks into place (diagram **E**).
- Re-tighten the conical locking devices, test for security & safety.

3 Installation of Foot End Lock Assembly

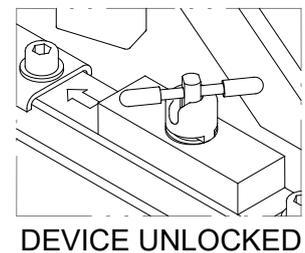
Install foot end lock assembly in exactly the same way as above adjacent to the positional guide plate at the foot end.

2-Part Track-Mounted Floor Lock (255-mm Gauge Unwin System)



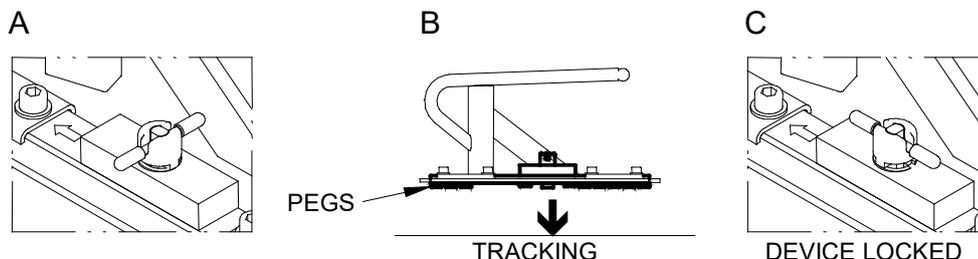
1 Removal of Head End and Foot End Lock Assemblies

- On each Unwin locking device, rotate the plunger crossbar and turret anticlockwise a quarter of a turn. Lift the plunger crossbar from its U-slot in the turret and rotate it slightly to rest it on top of the turret.
- Remove the assembly from the tracking by sliding the assembly along the track half a hole pitch (12-13 mm) and lifting clear.



2 Installation of Head End Lock Assembly

- On each Unwin locking device, rotate the plunger crossbar until it snaps into the U-slot on the turret (diagram **A** below). Do not rotate the turret clockwise at this stage.
- Close to the positional guide plate fitted to the vehicle floor between the tracking at the head end, engage the pegs on the underside of the lock assembly in the tracking (diagram **B**).
- Slide the assembly towards its required position until both plungers locate in the track.
- For each of the two Unwin devices, use the plunger crossbar to rotate the turret clockwise a quarter of a turn (diagram **C**). The assembly will be locked rigidly to the tracking.
- Test for security and safety.



3 Installation of Foot End Lock Assembly

Install foot end lock assembly in exactly the same way as above adjacent to the positional guide plate at the foot end.

4. Transporter Features

Wheels

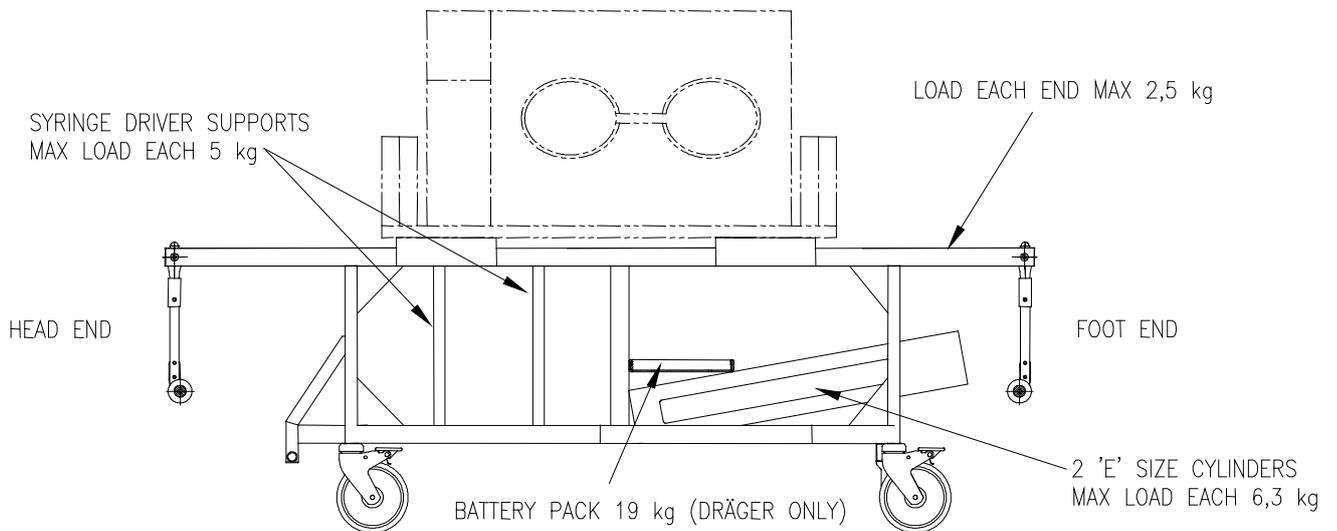
All four wheels have a braking system ensuring that the castor wheel will neither roll nor rotate when the brake lever is applied. The brakes should be engaged whenever the neonate is being transferred to or from the incubator.

Incubator Fixings

The transporter is supplied with suitable brackets for the fitting of the incubator, as designated by the customer.

5. Loading Distribution

The following diagram shows the recommended load distribution of equipment on the ITU Six.



6. Cleaning and Lubrication

Cleaning of the Transporter

Important – refer to the incubator and accessories manuals for the cleaning of these units.

Regular cleaning helps reduce the risk of transmitting disease and enables equipment to function at its optimum.

Steam cleaning of the transporter with a suitable cleaning additive is the most effective method. The same results may be achieved by using a sponge and mild detergent soap mixed in warm water. For particularly grimy cases, especially if the transporter has been in storage for a long period, it may be necessary to first wash the transporter with a water soluble solvent soaked cloth prior to using soap and water.

Once cleaned, dry the transporter with a soft towel, paying particular attention to swivel and sliding joints. If a compressed air hose is available, you may find that compressed air jets are more effective in drying the hard-to-reach places. Once the transporter is dry, you may wish to apply a liquid car wax to polished surfaces.

7. Warranty and Service – ITU Six

Ferno (UK) Ltd. standard terms and conditions apply to all sales. A copy is available on request. These contain full details of warranty terms and do not limit the statutory rights of the customer.

For service, maintenance and any questions regarding this, or any other Ferno product, please contact:

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Internet: www.ferno.co.uk

or your local distributor.

We recommend that you have your ITU Six serviced at regular intervals, depending on level of use.

8. Technical Data

Product Name	ITU Six
Overall Length	1830 mm
Overall Width	545 mm
Height (without incubator)	615 mm
Weight (without incubator)	47.8 kg
Construction Materials	Powder Coated Steel Tube Frame Aluminium Tube Plastic Injection Mouldings
Maximum Mass (inc. transporter, incubator and all accessories)	140 kg

IMPORTANT NOTE

The ambulance vehicle must be fitted with a ramp or tail lift to assist trolley loading. Contact our Technical Sales Department on 01274 851999 for further details.

The manufacturer below hereby declares that the medical device, or the Technical documentation, specified in this User Manual is Dual marked for sale on both the UK and EU markets. The Class I Medical Device covered by this User Manual complies with the General Safety and Performance Requirements within *Annex-1* of EC Regulation 2017/745

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As our policy is one of continuous development Ferno (UK) Ltd reserves the right to change the specifications without notice.

Stock Code: 2003-0061