

# INSTALLATION GUIDE FOR 2-PART TRACK-MOUNTED LOCK (255-mm GAUGE UNWIN SYSTEM) FOR USE WITH ADJUSTABLE WIDTH TROLLEY

1925

## INFORMATION ON POSITIONING OF AN ADJUSTABLE WIDTH TROLLEY IN AN AMBULANCE

An adjustable width trolley in its partially or fully extended state (coils/slides deployed) can only be stationed in a vehicle where a 3-track arrangement (see Fig. 0381-0003) exists, installing the 2-part floor lock in the two tracks nearer the centre of the vehicle (see Fig. 6 on Sheet 2).

An adjustable width trolley in its retracted state (coils/slides in) can also be stationed near the centre of the vehicle. A standard trolley however, may be stationed in the standard position, utilizing the two tracks nearer the vehicle wall (Fig. 1).

The following installation instructions apply to either station.

### 1 INSTALLATION OF HEAD END LOCK ASSEMBLY

- 1.1) Check the assemblies to ensure the Unwin locking devices are secure and positioned with the arrow labels pointing towards the end which will be positioned nearer the front of the vehicle (see Fig. 1).
- 1.2) As shown in Fig. 2, ensure that each individual Unwin locking device is in an unlocked state. When in the unlocked state, viewing from above, the turret of the Unwin device will be fully rotated anticlockwise (i.e. off the wedges with the plunger crossbar outside its U-slot and resting on top of the turret).
- 1.3) For each device rotate the plunger crossbar until it snaps into the U-slot on the turret (Fig. 3). Do not rotate the turret clockwise at this stage.
- 1.4) Engage the pegs on the underside of the lock assembly in the tracking (Fig. 4) with the assembly close to its required position referring to the dimension showing the relative position of the trolley.

**Note:** The guide notch on the base plate of the assembly will help to locate the centre line of the LH track. On first installation, the position of the RH locking device in the assembly may need to be adjusted to suit by loosening, moving within the slot in the plate and retightening.

- 1.5) Slide the assembly towards its required position until both plungers locate in the track.
- 1.6) For each of the two Unwin devices, use the plunger crossbar to rotate the turret clockwise a quarter of a turn (Fig. 5). The assembly will be locked rigidly to the tracking.
- 1.7) Test for security and safety.
- 1.8) Fasten positional guide plate to floor adjacent to lock assembly.

### 2 INSTALLATION OF FOOT END LOCK ASSEMBLY

- 2.1) At the relative position shown, install foot end lock in exactly the same way as the head end lock.
- 2.2) Test for security and safety.
- 2.3) Fasten positional guide plate to floor adjacent to lock assembly.

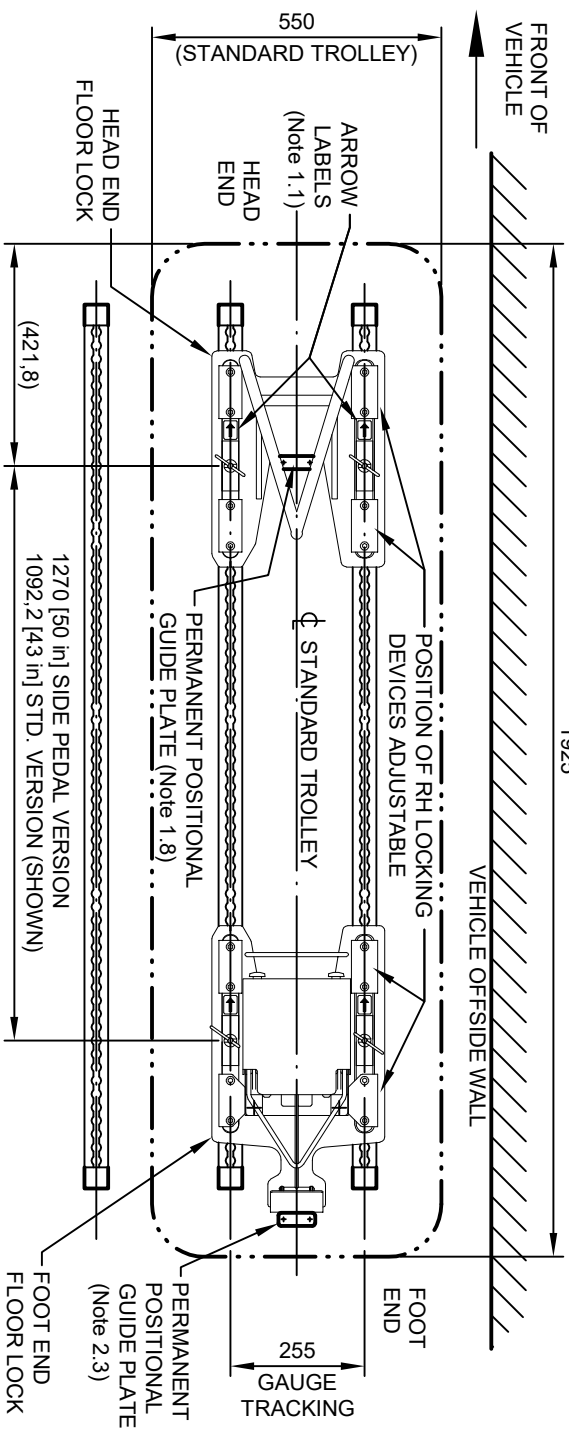


Fig. 1 - Two-part floor lock installed in standard position securing standard trolley

### 3 REMOVAL AND REPLACEMENT OF LOCK ASSEMBLIES

- 3.1) On each Unwin locking device, rotate the plunger crossbar and turret anticlockwise a quarter of a turn. From its U-slot in the turret, lift the plunger crossbar, rotate it slightly and rest it on the top of the turret.
- 3.2) Remove the assembly from the tracking by sliding the assembly along the track half a hole pitch (12 - 13 mm) and lifting clear.
- 3.3) Lock assemblies should be replaced adjacent to the positional guide plates fitted on first installation (Notes 1.8, 2.3).

### 4 SECURING THE TROLLEY IN THE LOCK DOWN BRACKET ASSEMBLY

- 4.1) Load the trolley into the ambulance.
- 4.2) Guide the trolley into the head end floor lock assembly.
- 4.3) Secure the trolley using the rear end floor lock assembly & check for security & safety.

Fig. 2

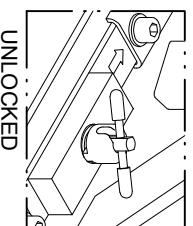


Fig. 3

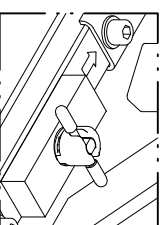


Fig. 4

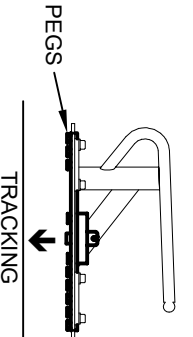
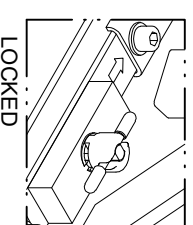


Fig. 5



**IMPORTANT NOTES:**  
POSITION OF OTHER EQUIPMENT IN AMBULANCE MUST BE TAKEN INTO CONSIDERATION BEFORE INSTALLATION OF FERNO FLOOR LOCKS TO AVOID CLASHING WITH TROLLEY.

**INSTALLATION OF THE EQUIPMENT IN THE VEHICLE IS THE RESPONSIBILITY OF THE INSTALLATION ENGINEERS.**

**THIS PRODUCT MUST BE REGULARLY SERVICED AND MAINTAINED TO ENSURE SATISFACTORY OPERATION.**

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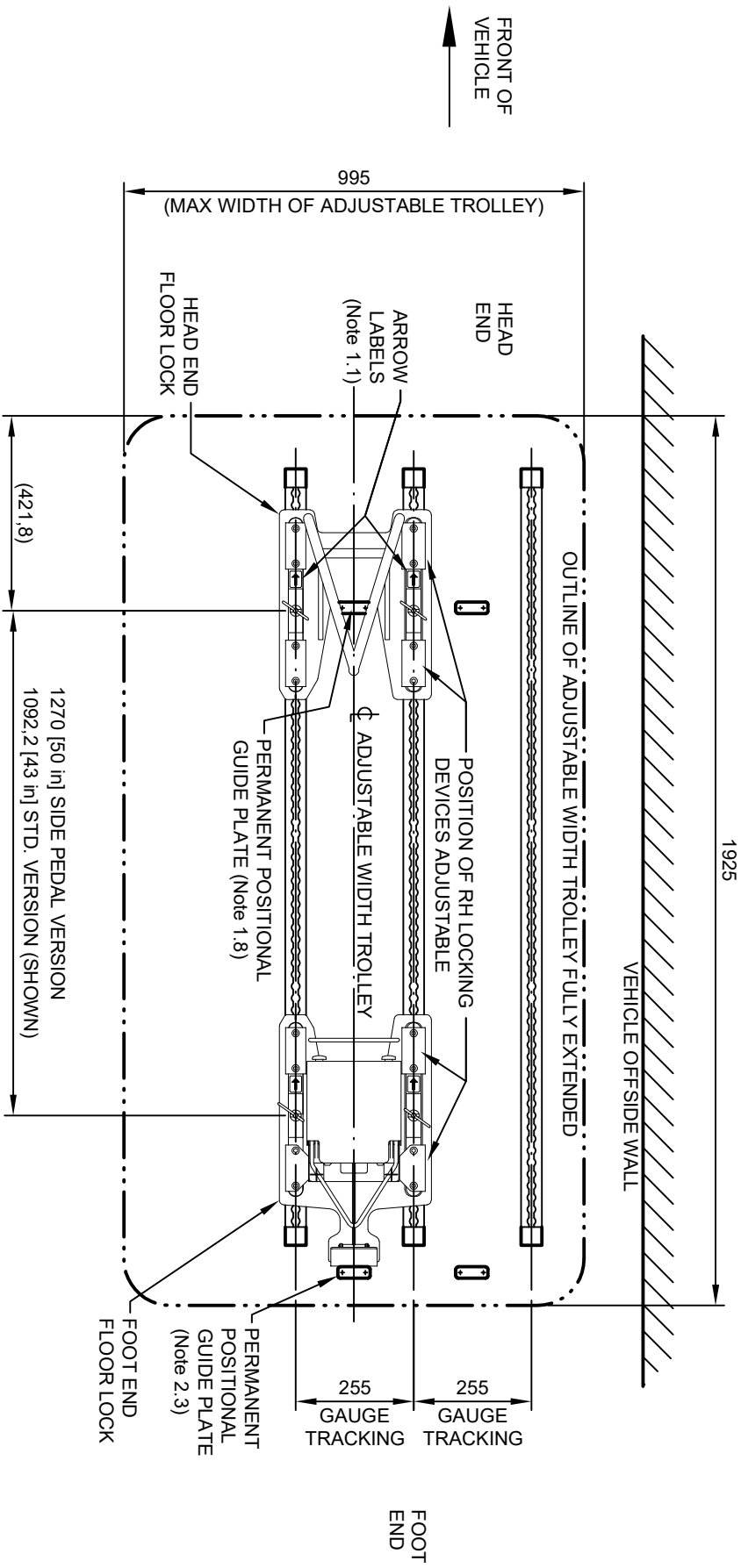


Fig. 6 - Two-part floor lock installed for use with adjustable width trolley