

# **FW50E FITTING INSTRUCTIONS**

for the

**DHS 585-4 Humidcrib Harness  
(Suitable for Atom V808 Cot)**

**DHS 585-6 Linkage kit  
(Used with ambulance stretchers other than DHS)**

**DHS 590 - baby harness  
(Suitable for Drager and Atom Cots)**



**DHS**   
**EMERGENCY** 

**Revision Table**

No:	Description	Date	Prepared by	Checked by	Approved by
1	Draft	23 <sup>rd</sup> January 2013	Tony Nelson	Leigh O'Brien	
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## INTRODUCTION

This manual provides the fitting instructions and procedures for the:

1. DHS 585-4 Humidicrib Harness (suitable for Atom V808 Cot)
2. DHS 585-6 Linkage kit (for ambulance stretchers other than DHS)
3. DHS 590 - baby harness (suitable for Drager and Atom Cots)

These products are designed and manufactured by DHS Pty Ltd. This manual is a guide only and further evaluation of safe operational use is the responsibility of the equipment owner.

## WORK HEALTH AND SAFETY

This manual is not a substitute for compliance with relevant infection control and Work Health and Safety Standard Operating Procedures of service providers.

## DISCLAIMER AND LIMITATIONS

This manual should be seen only as a technical guide for the use of the products listed above. Users of these products should confirm that procedures presented in this manual do not conflict with the policies or procedures of your own organisation or service.

Personnel should be fully trained in the use of these products before attempting to use this equipment with a patient. This manual is provided by DHS Pty Ltd for the exclusive use of its customers.

It is prohibited to use this manual and its contents for any other purpose without the written consent of DHS Pty Ltd.



Always use appropriate manual handling techniques and devices, when lifting and moving any patient. Officers should use only those devices for which they have received specific training.

## OVERVIEW / PURPOSE

This operations manual shows how to fit the DHS 585-4 Humidicrib Harness and linkage kit - DHS 585-6 to the Ferno model FW50E stretcher.

This restraint kit is used to restrain the Atom V808 Humidicrib in accordance with Ambulance Restraint Standard - ASNZS 4535:1999 (refer Test Reports TDR0068 & TDR0053). (\*1)

**NOTE:** The earlier version of the harness was **BLUE** the later version is **YELLOW**

It also shows how to secure the DHS baby restraint harness (DHS 590V&D) inside the cot.

### Special Note:

This kit model is specific to the:

- Atom V808

There are also restraint kits for the following Humidicribs:

- Atom V707
- Drager Ti500

In general terms, the principles of fitting these other harnesses are the same as detailed here.

## THE KIT

The kit required to adequately restrain an Atom V808 to a FW50E stretcher contains the following:

1. 585-4 Humidicrib Restraint
2. 585-6 Ferno linkage kit
3. 590V&D baby harness

\*1 – N.B. This harness is designed specifically for the Atom V808 NeoCot and is not to be used on other products. The instructions in this manual are for fitting of this harness and cot to a FW50E stretcher only. Use of this harness in any other manner is not endorsed and may not meet the requirement of ASNZS4535:1999



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## PREPARING THE STRETCHER

- 1: Remove the standard patient harness from the stretcher and stow safely. This harness is not required for the restraint of the humidicrib
- 2: Remove the standard patient mattress. The Humidicrib is more stable on a hard surface.



## POSITIONING THE COT ON THE STRETCHER

Lift and place the Cot on the stretcher (minimum 2 person lift).

Note head end of cot should be at head end of stretcher.



Head end of stretcher

## THE HARNESS

Layout the harness generally as shown – as a “hoop”.

Ensure that the label is up the right way.



Make sure you have the 4 separate belts of the Linkage Kit ready as well.





## FITTING THE HARNESS

1. Remove the IV stand and light off the cot before trying to fit the harness
2. The harness can be fitted by one person but is even simpler with two.
3. Take the harness, as a hoop and place it over the top of the cot.
4. Ensure the belts on the side of the harness are fully extended via the adjusters.
5. Manipulate the harness down over the cot and the cot carry handles on each end.
6. You will note the harness forms a “yoke” at each end which fits around each carry handle.
7. Once the yokes on each end are generally in place, tension the harness snugly around the handles, by using the adjusters on each side.

### SPECIAL NOTES:

- a. ensure the harness does not entrap the lid release latches
- b. Be careful to take up the slack gradually, using the tensioners on each side, so that the yokes are positioned evenly and neatly over the carry handles. This is integral to correct restraint of the cot.

If the harness seems “skewed” when tight, simply loosen and readjust at each of the side tensioners until correct.

Finally, there is a non-structural strap that goes over the top of the cot lid to assist with keeping the lid closed in the case of an accident. These straps have a central clip (a) and adjusters on each end (b).



**THE HARNESS IS FITTED**

The harness is now fitted to the Cot and for simplicity, can remain on the cot most of the time, particularly if this is the cot designated for transport. The harness does not interfere with general operation of the cot.

**NOTE:** The earlier version of the harness was **BLUE**.  
The later version is **YELLOW**.

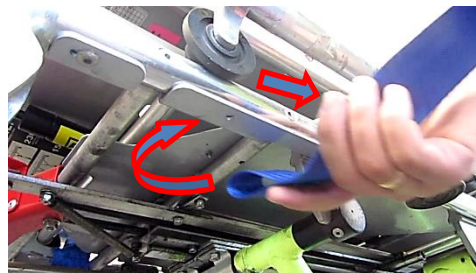
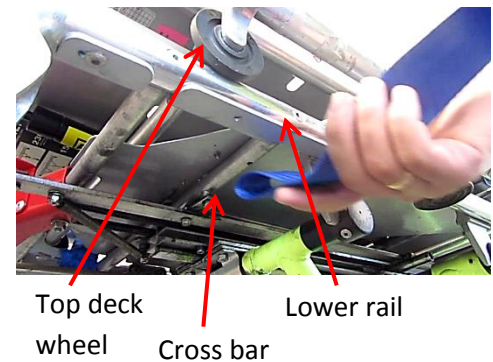


## RESTRAINING THE COT TO THE STRETCHER (part 1)

Now that the cot is fitted with the harness it is necessary to restrain the harness and cot to the stretcher.

### Front Restraints

- 1 Take the two shorter belts from the Linkage Kit (the ones with the metal ring on the end) and locate the lower rail of the stretcher, just **BEHIND** the top deck wheel and just **AHEAD** of the cross bar of the lower deck.
- 2 Loop one belt to each side, bringing the ring up through the webbing loop and onto the top of the stretcher



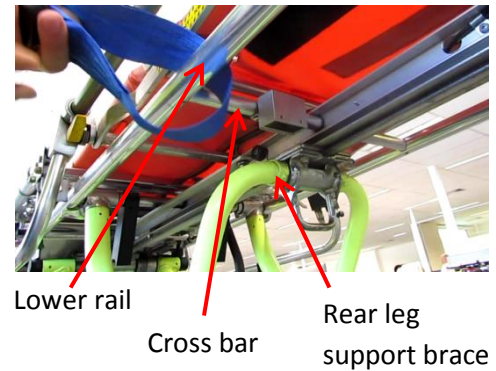
- 3 Connect the **SHORTER** of the two “speed clip belts” on the front of the Cot Harness to the metal ring.
- 4 Once both are connected pull the cot rearwards to ensure these belts are taut.





**RESTRAINING THE COT TO THE STRETCHER (part 2)****Rear Restraints**

- 1 Now take the other two restraints (the ones with the seatbelt buckle) and locate the cross bar on the lower rail, directly above the rear leg support brace, at the rear of the stretcher.
- 2 Loop the belt around the lower rail, BEHIND the cross bar.
- 3 Bring the buckle up and through the adjacent loop of the harness
- 4 Go forward on the harness and connect the seat belt tongue to the buckle
- 5 Take up the slack but do not over tighten
- 6 Do the same to both sides. Check harness on the cot is still sitting correctly
- 7 Now tension the harness tight against the rear restraints
- 8 Check all belts are tight



The Cot is now restrained to the stretcher.

## FITTING THE BABY HARNESS RESTRAINT

Lay out the baby harness as shown



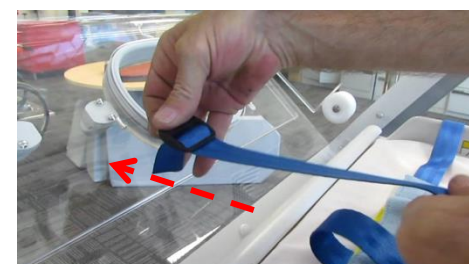
Open the lid of the cot.

Pick up the harness and place it in the cot with the shoulder straps (1) towards the head end of the stretcher / cot.



Layout out the belts to each end and each side.

The belt that goes to the “opposite” side needs to have the buckle slipped off so that the belt can be “fed” under the lid to the outside of the cot.



Refit the buckle to the belt outside the cot and slide it up the belt as far as possible.



Once the buckle is refitted, run the belt around the external cot harness.



Feed the belt back through the buckle /“tri-bar”, take up the slack as required.

The Tri-bar can be moved up the belt as required.



Now attach the belt on the other side in a similar fashion and the belts on the ends around the carry handles.

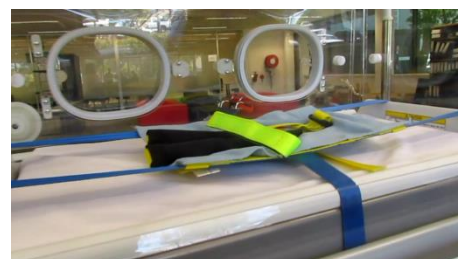
Tension up as required.



Without the baby in the harness the harness may sit slightly up off the mattress.

Refer to separate operator's manual for restraining baby in the harness.

The lid of the cot can be closed over the harness straps with ease.



## **CLEANING HARNESES**

In the event of contamination of the cot restraint harness or the baby restraint harness, due to bodily fluids or similar, it is recommended a spare safety harness is employed and main safety harness is laundered.

Disinfectant and cleaners containing bleach, phenolics, or iodines are not recommended.

It is recommended to only use warm soapy water to wash and clean the harness.

## **MAINTENANCE SCHEDULE**

Operators should routinely inspect and test the correct operation of the harness prior to use, noting any fraying of the belts. Damaged harnesses must be withdrawn from service. Routine inspections should occur at intervals not greater than 3 months.

## **DHS WARRANTY**

DHS Emergency warrants to the original purchaser that its products should be free from manufacturing non-conformances that effect product performance and customer satisfaction for a period of one (1) year, twelve (12) - months after the delivery date. The DHS obligations under this warranty are expressly limited to the supply of replacement parts and labour for, or replacing, at its option, any product that is in the sole discretion of DHS, found to be defective.

## **RETURNS POLICY**

DHS Pty Ltd may accept stock returns; however, reserve the right to charge re-stocking & freight charges. In all other instances of stock being returned, or for incorrectly ordered goods, the customer must contact DHS within fourteen (14) days for a Return Merchandise Authorisation (RMA) number.

The RMA number is to be quoted on the return goods and these goods must reach the DHS warehouse within twenty eight (28) days of original dispatch. Returned items must be in new/unused condition with all accessories (if applicable). DHS does not accept any liability for returned items until they have been received into our warehouse. Once the items have been received, they will be assessed by our Returns Dept to ensure that they are in a re-saleable condition.

Refunds will be issued in the original form of payment. Items not returned within twenty eight (28) days will be eligible for exchange to equal value.

## **DAMAGED GOODS**

In the event that your item arrives damaged or defective, contact DHS immediately, within twenty four (24) hours. *Do not accept damaged shipments unless such damage is noted on the delivery docket at time of receipt.*

A goods exchange will then be arranged (depending on stock availability) once we are in receipt of the damaged goods. This return must take place within seven (7) working days. The cost of returning goods and any subsequent damage to the items whilst en-route, remains the responsibility of the sender.

## **CLAIMS**

Claims for any short shipment must be made within seven (7) days of invoice.





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