



**Stannah Lifts Technical Bulletin - Safety**

**Issue No: M4**

**Date: 12.10.98**

**Page 1 of 3**

**LIFT TYPE:- STANNAH HOMELIFT (SHL)**

**DESCRIPTION:**

It has been reported that 2 incidents have occurred on Stannah Homelift installations where the cord supporting either the middle concertina cover at the rear of the lift or the cord supporting the hydraulic ram sliding cover has failed causing the cover to drop.

Failure of the cord has been attributed to either:

- 1) The wrong specification of cord being used.
- 2) The cord having been subjected to excessive wear or abrasion.
- 3) Failure of the knotted rope terminations.

**CORRECTIVE ACTION:**

All existing installations (as detailed on the attached list) will be subject to retrofit action by Stannah Lifts Ltd.. So the following retrofit information is for safety awareness only. Details of the retrofit are shown on the attached drawing numbers HD 3024 and HD 3025.

**HD 3024 Sliding Ram Cover.**

- This retrofit will replace the existing nylon cord to the outer ram cover with new 2mm wire rope and more secure terminations. A physical stop will also be fitted at the base of the hydraulic ram to protect the hydraulic coupling from any shearing hazard.

**HD 3025(A) Middle Concertina Cover at the Rear of the Lift.**

- The cord supporting the middle concertina panel will be replaced with new nylon cord to ensure that the correct specification has been used and that the cord is free from wear and abrasion.



- The cord will be clamped on both sides where it is attached to the overhead infill board assembly. This means that the cord would have to break in 2 places for the cover to drop down.
- The nylon cords supporting the middle concertina panel are to be terminated with a more secure crimped ferrule to replace the knotted termination.

**Additional items for new Homelifts.**

- On all Homelifts manufactured after the 15th September, 1998 the top edge of the middle and bottom concertina cover will be chamfered to minimise the risk of someone inadvertently resting one cover on top of the other and subsequently raising the overhead infill board assembly before it is supported by the lift cabin.
- A maximum height restriction notice will be introduced for the same reason.

**Essential Checks for Site Personnel.**

We recommend that the following checks are made on every visit to site.

- Check the cords supporting the middle concertina cover and the ram cover for signs of wear, abrasion failure of terminations, or any other abnormalities.
- Check that the countersunk screws used to retain the bottom concertina cover are flush and not protruding. (See HD 3025A).
- Ensure that there is adequate overlap of the concertina panels. (See HD 3025A).



Page 3 of 3

### **Safety Awareness**

Site personnel should exercise extreme caution if a Stannah Homelift is found to be stopped between floors or has activated the ultimate limit switch as shown on the attached drawing, HD 3023.

We strongly recommend that the lift is **manually** lowered to the bottom floor level, in accordance with the emergency lowering procedures, prior to investigating any fault or attempting to operate the lift. It is particularly important that the aperture infill board assembly and concertina covers at the rear of the lift are not touched until the lift has been lowered to the bottom floor level.

The above procedure is aimed at eliminating a possible hazard due to the infill board assembly dropping in the unlikely event that it is not correctly supported by the lift cabin.

Once the lift is at the lowest floor level and the infill board is correctly located within the aperture the fault can be investigated.

**It is imperative that any personnel attending a Stannah Homelift installation have been given adequate training and are familiar with this bulletin.**

**Safety Awareness**

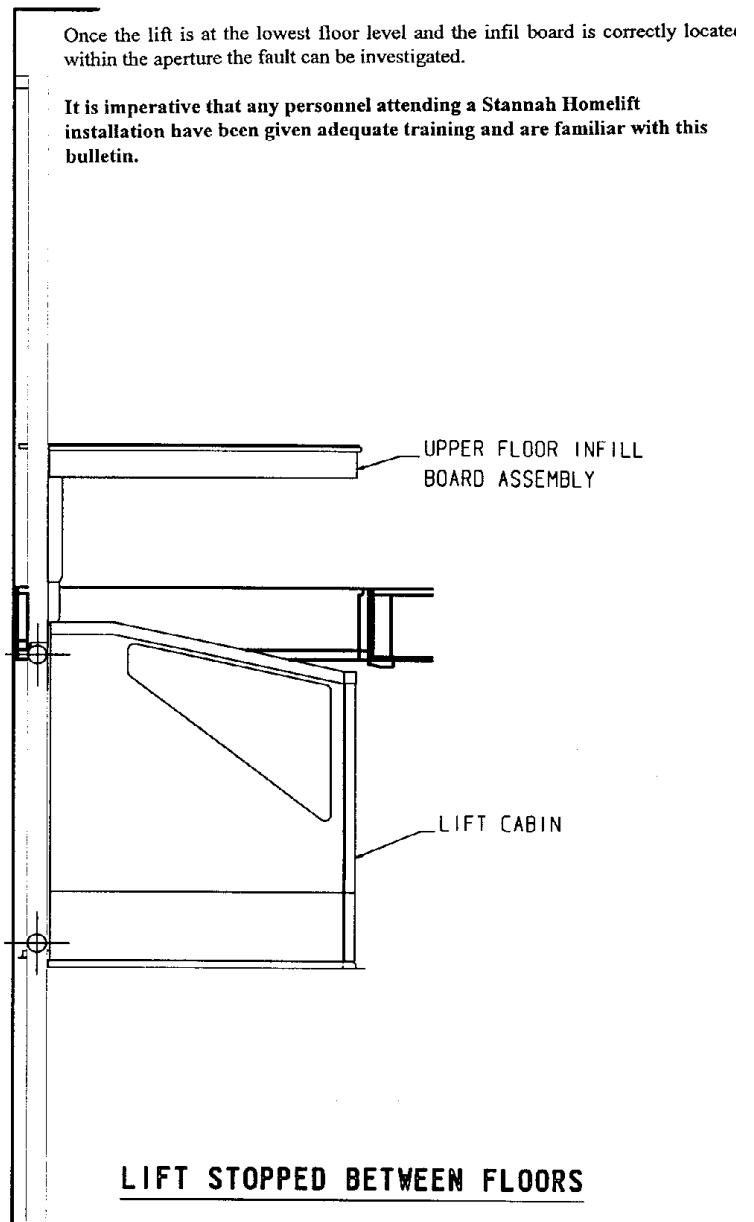
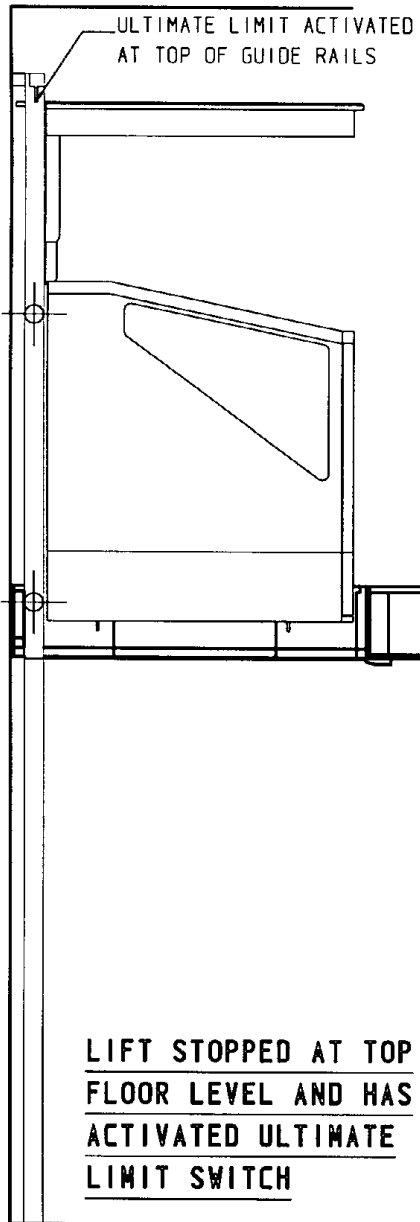
Site personnel should exercise extreme caution if a Stannah Homelift is found to be stopped between floors or has activated the ultimate limit switch as shown,

We strongly recommend that the lift is **manually** lowered to the bottom floor level, in accordance with the emergency lowering procedures, prior to investigating any fault or attempting to operate the lift. It is particularly important that the aperture infill board assembly and concertina covers at the rear of the lift are not touched until the lift has been lowered to the bottom floor level.

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**It is imperative that any personnel attending a Stannah Homelift installation have been given adequate training and are familiar with this bulletin.**



REV.	DRAWN	DATE	CHANGE	DCN No.
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DRG TITLE: HOMELIFT POSITION SAFETY AWARENESS DRG



HEAD OFFICE  
 Anton Mill Anton Mill Rd Andover  
 Hampshire SP10 2NX England  
 Tel:01264 339090 Fax:01264 337942

CHANGE NOTE No: H 1285	DATE: 30.9.98
DRAWN: C.S.	REV.
DRAWING NUMBER: HD 3023	

RAM HEAD ASSY

REMOVE EXISTING NYLON BRAIDED CORD  
THIS WILL BE LOCATED AT THE TOP  
OF THE RAM COVER

2mm WIRE ROPE

70.0

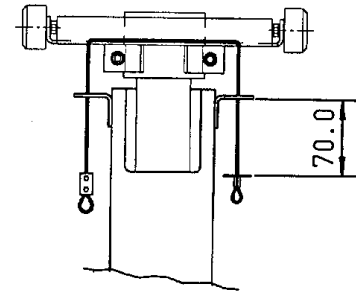
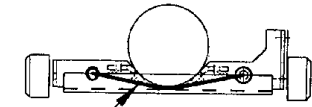
WASHER

GUIDES

SOLDERLESS NIPPLE WITH KNUCKLE SCREWS  
FOR ADJUSTMENT. TRIM EXCESS ROPE  
ENSURING WIRE ROPE IS LOOPED BACK  
INTO NIPPLE.


OUTER RAM COVER

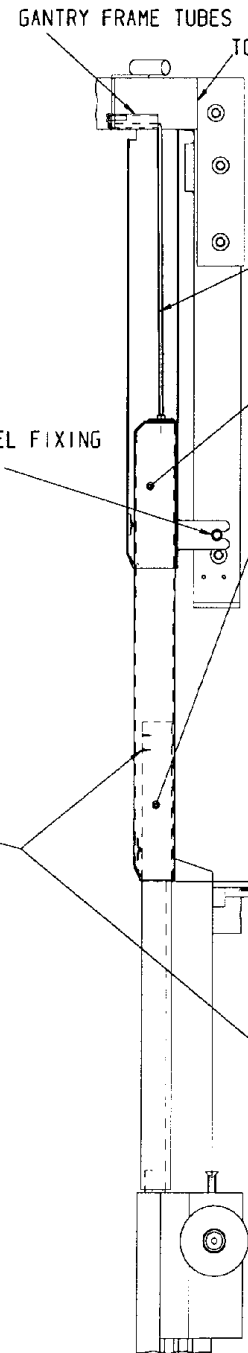
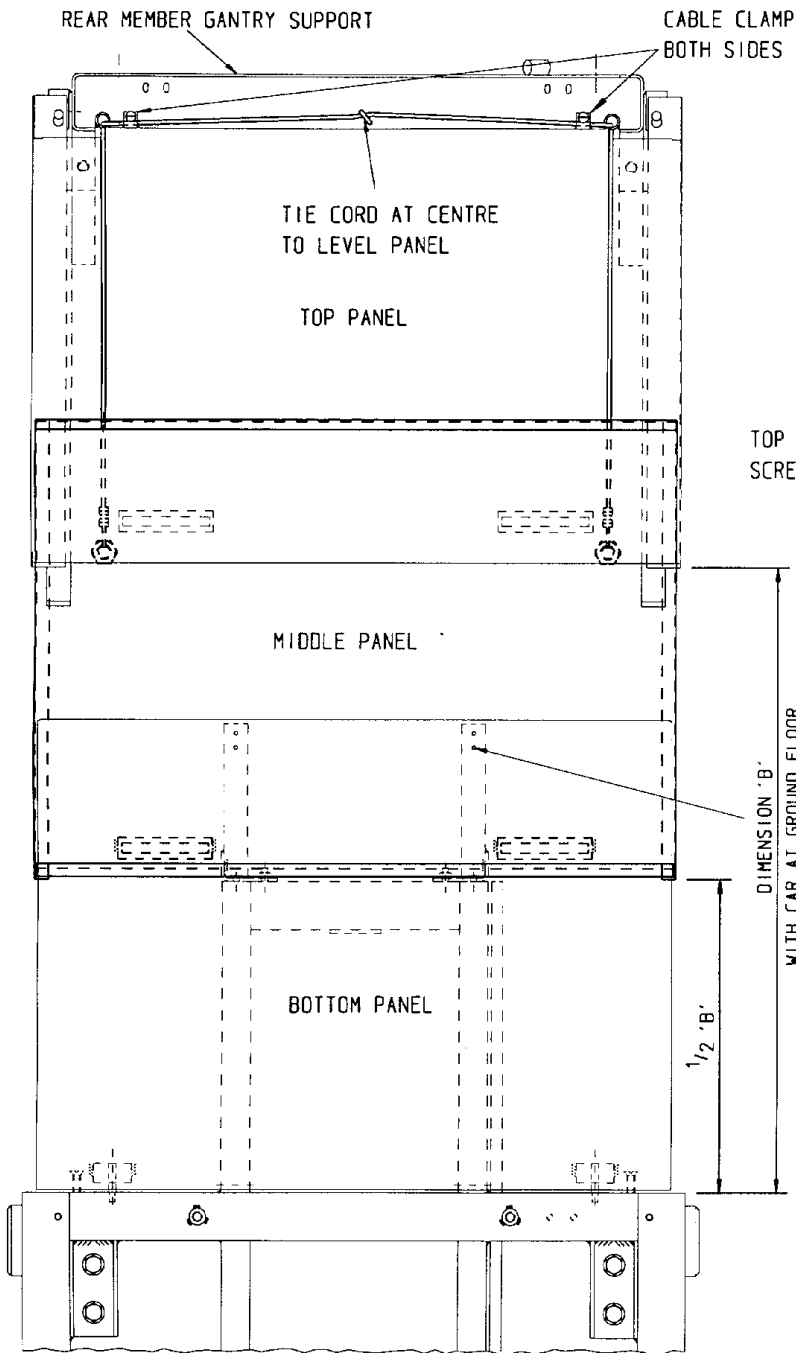
FEED WIRE ROPE THROUGH EXISTING HOLES  
IN RAM HEAD ASSY AND OUTER RAM COVER  
ENSURE WIRE ROPE DOES NOT INTERFERE  
WITH MOVEMENT OF RAM



CAR NOT SHOWN FOR CLARITY

REMOVE EXISTING SCREWS IN BASE OF FIXED RAM COVER  
FIT NEW 'U' SHAPED BRACKET WITH No. 6 x 5/8"  
SCREWS SUPPLIED

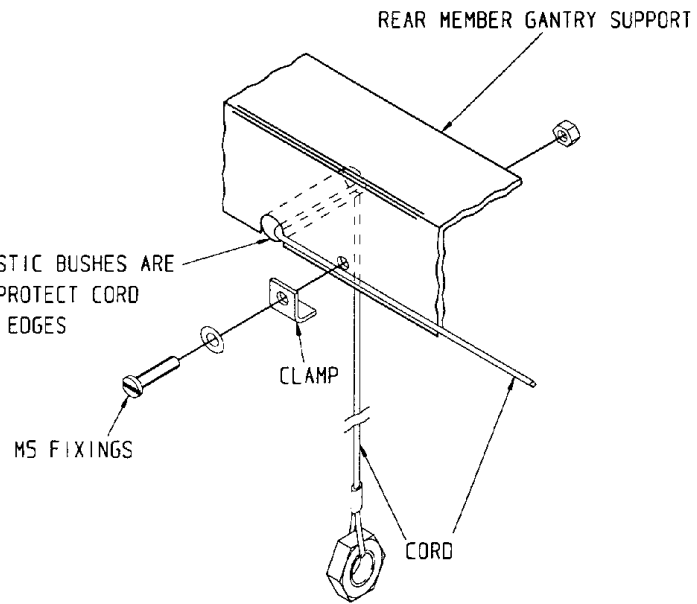
REV.	DRAWN	DATE	CHANGE	DCN No.	GRID REF.
ORG TITLE: <b>RETROFIT OUTER RAM COVER FIXINGS</b>					
LIMITS UNLESS OTHERWISE STATED					
THREAD I.S.O. COARSE CLASS 6			MATERIAL		
WHOLE DIMENSIONS±1mm			BS SPEC.		
DECIMAL DIMENSIONS±0.25mm			FINISH		
DRILLED HOLES-0±0.25mm			SK CODE NO.		
PUNCHED HOLES-0.05mm±12.5% OF PLATE THICKNESS			WELDING SYMBOLS GENERALLY AS BS499		
 <b>Stannah Lifts</b> HEAD OFFICE Anton Mill Anton Mill Rd Andover Hampshire SP10 2NX England Tel:01264 339090 Fax:01264 337942			CHANGE NOTE No:		
			DRAWN: Dave J DATE: 24/8/98		
DRAWING NUMBER: <b>HD3024</b>				REV.	



ENSURE THERE IS A ADEQUATE OVERLAP WITHIN THE PANELS TO PREVENT ANY EDGES CATCHING WITH NORMAL MOVEMENT

ENSURE PLASTIC BUSHES ARE FITTED TO PROTECT CORD FROM SHARP EDGES

NOTE: ENSURE FIXING HOLES IN BOTTOM PANEL ARE COUNTERSUNK AND SCREW HEADS ARE FLUSH



PICTORIAL VIEW SHOWING CLAMP FIXINGS

A	DJ	8/10/98	NOTE ADDED BOTTOM PANEL FIXING HOLES		
REV.	DRAWN	DATE	CHANGE	DCN No.	GRID REF.
ORG TITLE: <b>RETROFIT MIDDLE PANEL FIXING ARRANGEMENT</b>					
LIMITS UNLESS OTHERWISE STATED			MATERIAL		
THREAD F.S.D. COARSE CLASS 6			BS SPEC.		
WHOLE DIMENSIONS ± 1mm			FINISH		
DECIMAL DIMENSIONS ± 0.25mm			SK CODE NO.		
DRILLED HOLES - 0.25mm			WELDING SYMBOLS GENERALLY AS BS499		
PUNCHED HOLES - 0.25mm ± 12.5% OF PLATE THICKNESS					
HEAD OFFICE			PRINT ISSUED:		
Anton Hill Anton Hill Rd Andover			DRAWN: Dave J DATE: 24/8/98		
Hampshire SP10 2NK England			DRAWING NUMBER:		
Tel: 01264 339090 Fax: 01264 337942			REV.		
			<b>HD3025</b>		
			A		