



Huntleigh
HEALTHCARE

CONTOURA®
ACUTE CARE BEDS

MODEL
390

SERVICE MANUAL

Build Level 08

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Huntleigh Healthcare
Nesbit Evans Products Division
Woden Road West
Wednesbury
West Midlands
WS10 7BL U.K.

TEL:+44 (0)121 556 1511
FAX:+44 (0)121 502 2092
sales@huntne.co.uk

PRELIMINARIES

Preface


Read and understand this manual before attempting to service or repair the equipment.

This manual is intended to be used by Huntleigh Healthcare approved service technicians. The manual may be provided to a customer in response to customer requirements, but in no event will Huntleigh Healthcare be responsible for any service or repair performed by customers.

Warnings, Cautions and Notes

WARNINGS given in this manual identify possible hazards in procedures or conditions which, if not correctly followed, could result in death, injury or other serious adverse reactions.

Cautions given in this manual identify procedures or conditions which, if not correctly followed, could result in equipment failure or damage.

Notes given in this manual (indicated by ) are used to explain or amplify a procedure or condition.

General Warnings

WARNING

Before starting any service or maintenance procedures, ensure that the equipment has been adequately decontaminated.

Electrical equipment can be hazardous if misused. Obey all safety instructions.

Do not use electrically powered beds in the presence of flammable gases, such as anaesthetic agents.

The bed and its sub-assemblies are very heavy and appropriate precautions must be taken to avoid injury when moving or lifting them.

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1 INTRODUCTION

1.1 About This Manual

This manual contains information on servicing and maintenance of the Huntleigh Healthcare **CONTOURA[®] 370 and 390** beds.

The manual comprises the following sections:

Section 1 - Introduction (this section): Includes a general description of the equipment with an explanation of the various features available.

Section 2 - Operation: Contains instructions for using the main features and functions of the bed.

Section 3 - Operational Maintenance: Describes routine procedures and checks to ensure correct operation during the service life of the equipment.

Section 4 - Preventive Maintenance: Gives details of regular, periodic maintenance actions to ensure correct operation of the equipment.

Section 5 - Testing: Defines a serviceability test to verify correct operation of the equipment if function is suspect or following any maintenance or servicing procedure.

Section 6 - Troubleshooting: Contains details of fault symptoms, possible causes and suggested actions to rectify the problem.

Section 7 - Servicing Instructions: Contains procedures for removal and installation of replaceable parts and sub-assemblies.

Section 8 - Technical Data: Contains a list of electrical and dimensional data for the equipment and components.

Section 9 – Transportation and Storage: Lists preferred environmental conditions for the transporting, storage and use of the equipment.

Appendix A - Assembly Spares Manual: Contains the Modification Record, together with drawings and detailed parts lists for the identification of replaceable parts.

1.2 Product Description

The CONTOURA[®] 370 and 390 are electrically-operated acute care beds with multiple functions to provide the best nursing position for both patient and carer.

1.2.1 Standard Features

- Four section electrically-operated profiling mattress platform with independent adjustment of backrest angle, thigh section angle and calf section angle
- Auto-Contour of backrest and thigh sections by pressing one button
- Electrically-operated height adjustment
- Manual adjustment of kneebreak angle
- Trendelenburg and reverse Trendelenburg tilt
- Battery backup for all electrical functions

1.2.2 Optional Features

- Integral mattress platform extension
- Pull-out bedstripper
- Integral folding safety sides
- 125mm/150mm single wheel, or 150mm twin wheel castors
- Choice of head and foot panel designs and colours
- ABS or wooden base covers

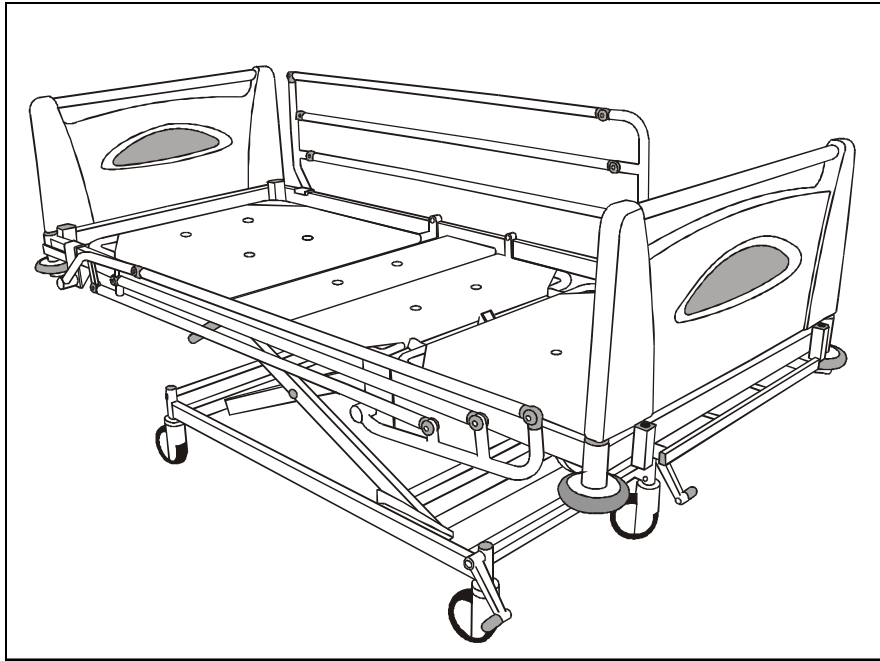


Figure 1-1 CONTOURA[®] 370 bed

The power driven functions of height, backrest angle, tilt angle and leg elevation are operated by simple push button controls. There are separate handsets for the patient and carer; the carer's handset also allows control of tilt angle.

The bed has an attendant control panel (ACP) from which the power driven functions can be individually disabled. Operation of the bed by the patient is thus at the discretion of the carer.

The electrical actuators consist of a screw and nut assembly driven by a 24V d.c. motor and gearbox. Power for the actuators is derived from an a.c. power supply.

1.3 Manufacturer Information

Huntleigh Healthcare Nesbit Evans Products Division
Woden Road West
Wednesbury
West Midlands
WS10 7BL
United Kingdom

Tel. +44 (0)121 556 1511

Fax. +44 (0)121 607 5421

Customers outside the U.K. should contact their local Huntleigh Healthcare office or distributor in the first instance. A list of these is available on our website, **www.huntleigh-healthcare.com**.

2 OPERATION

2.1 Brakes and Steering

At the foot of the bed is a pair of linked brake pedals that operate on all four castors.

When the pedals are in the middle position, the brakes are free and all four castors are able to rotate and swivel.

When the pedals are pushed down, the brakes are applied on all four castors.

When the pedals are raised, one head end castor is engaged so that it cannot swivel. The bed can then be steered by pushing from the foot end.

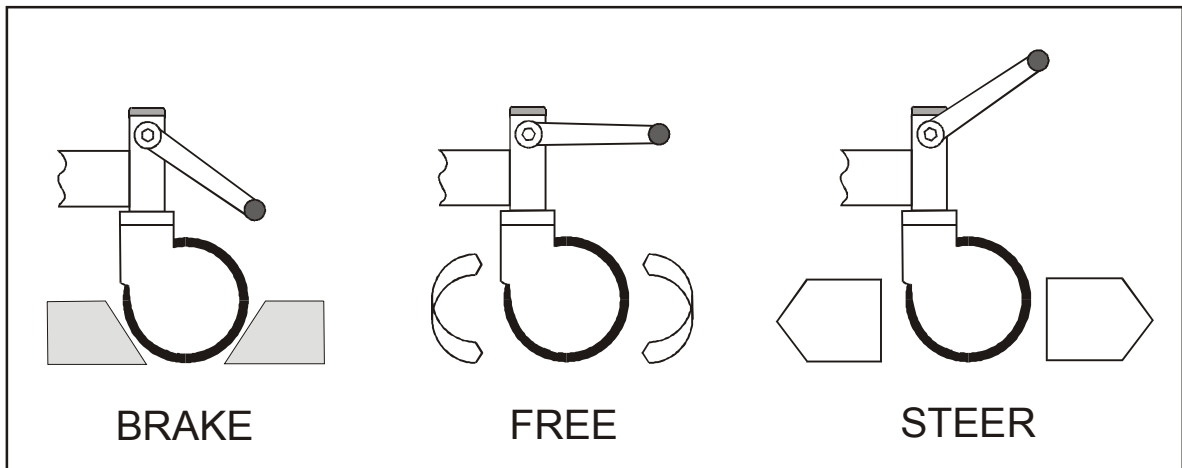


Figure 2-1 Brakes and steering

2.2 Folding Safety Sides (where fitted)

To lower the safety sides: Hold the top rail near the foot end just in front of the hinge (1). Pull the operating knob (2) and lower the side towards the foot end of the bed (3). As the side begins to lower, release the operating knob.

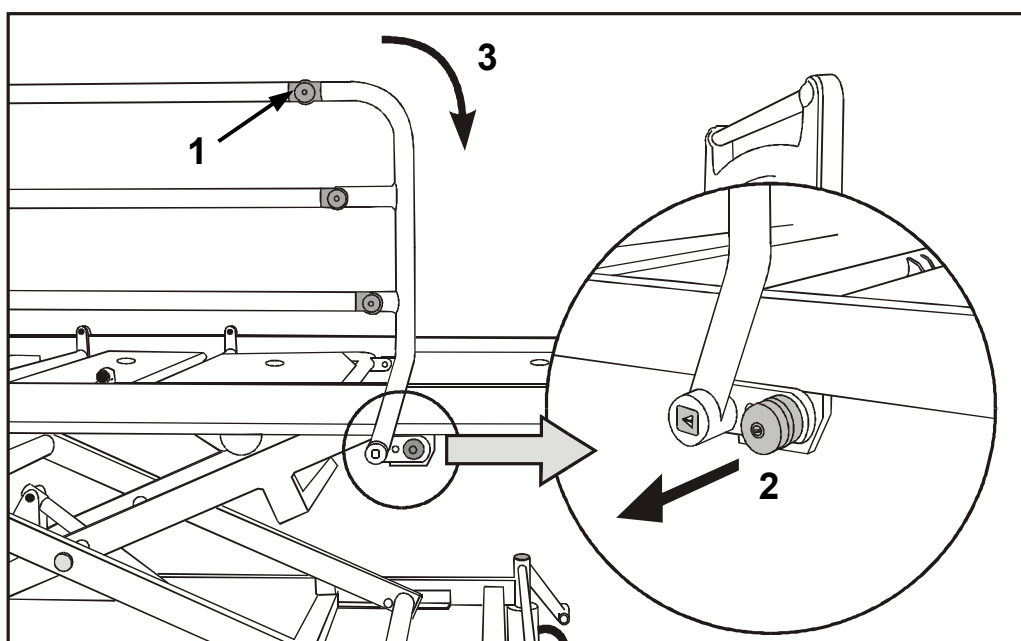


Figure 2-2 Folding safety side operation

To raise the safety sides: Lift the top rail until the operating knob automatically “clicks” into its locked position at maximum height.

WARNING

Ensure that the locking mechanism is securely engaged when the safety side is left in the upright position.

2.3 Bed Extension (where fitted)

To extend the bed: Apply the brakes. Use the control handset to raise the mattress platform to maximum height.

Unscrew the two clamp knobs (1) on the underside of the mattress platform. Pull out the bed extension as far as it will go (2). Tighten both clamp knobs firmly (3).

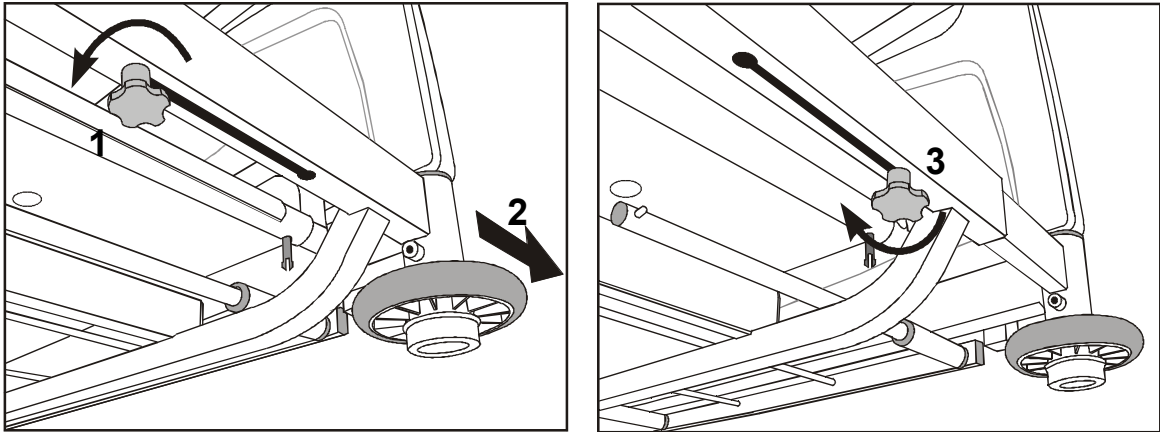


Figure 2-3 Extending the bed

To extend the mattress platform: Remove the two plastic pegs (4). Pull out the mattress platform extension (5), until the outer fixing holes are lined up with the holes in the mattress platform (6). Push the plastic pegs down through the holes to lock the mattress platform extension in position.

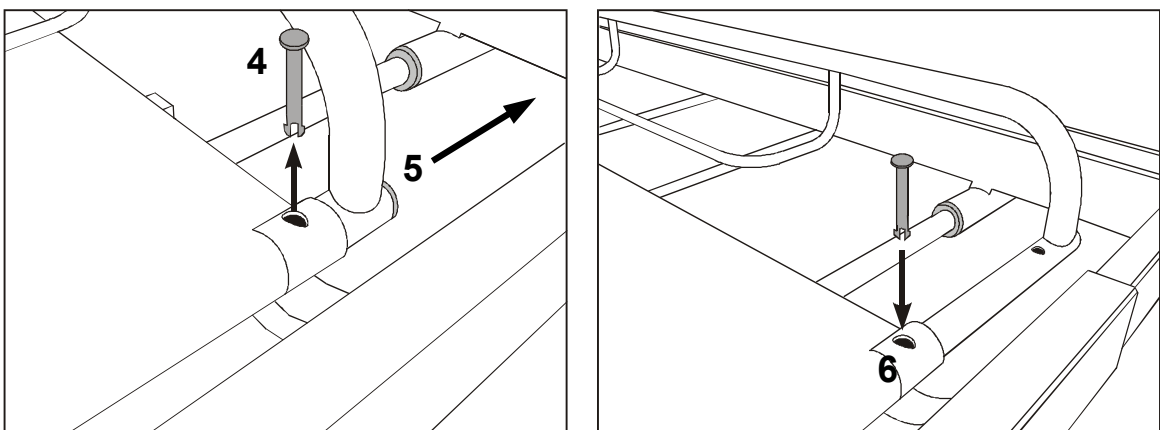


Figure 2-4 Extending the mattress platform

2.4 Bedstripper (where fitted)

The bedstripper, which is used for supporting clean linen when the bed sheets are being changed, is located at the foot of the bed.

Pull the bar away from the bed as far as it will go.

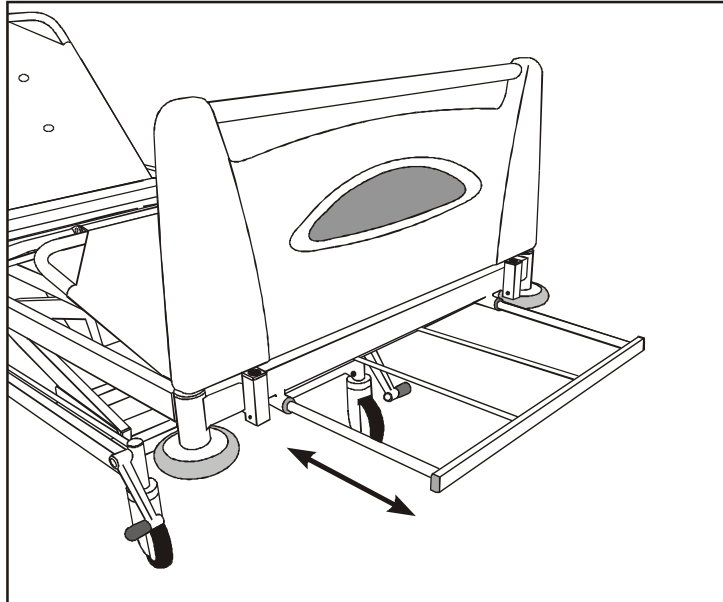


Figure 2-5 Bedstripper in extended position

Caution

The bedstripper load should not exceed 20kg.

2.5 Kneebreak Angle Adjustment

The kneebreak angle can be manually adjusted whenever the thigh section of the mattress platform is raised.

Lift the mattress retaining bar (7) to release the ratchet mechanism, then lower it until the calf section is at the required angle.

Slightly lift the mattress retaining bar again to re-engage the ratchet mechanism and lock the calf section in position.

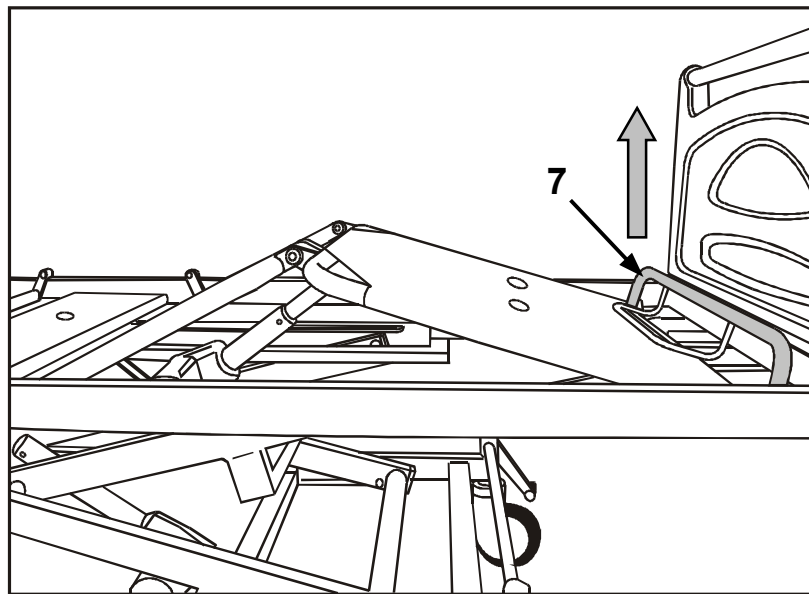


Figure 2-6 Adjusting the kneebreak angle

2.6 Emergency CPR Release



To lower the backrest in an emergency, lift the CPR release handle (1) at the side of the bed. Some downward force may be required at maximum elevation, after that the backrest (2) will lower under the patient's weight.

WARNING

The backrest can fall quickly. Keep hands clear to avoid trapping.

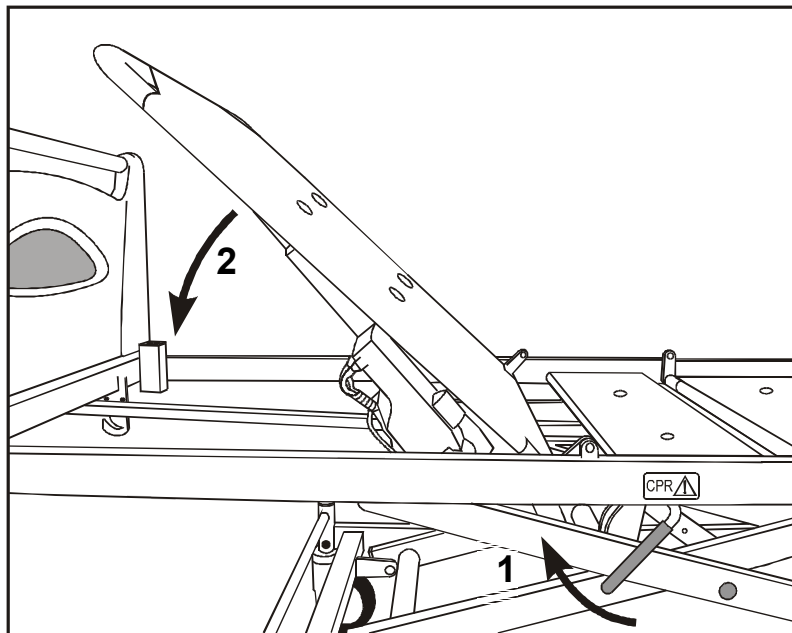


Figure 2-7 CPR emergency release handle

2.7 Drainage Bag Rails

Two rails are provided for holding drainage bags, located below the seat section on either side of the bed.

Attach suitable drainage bags to the hooks provided on the rails.

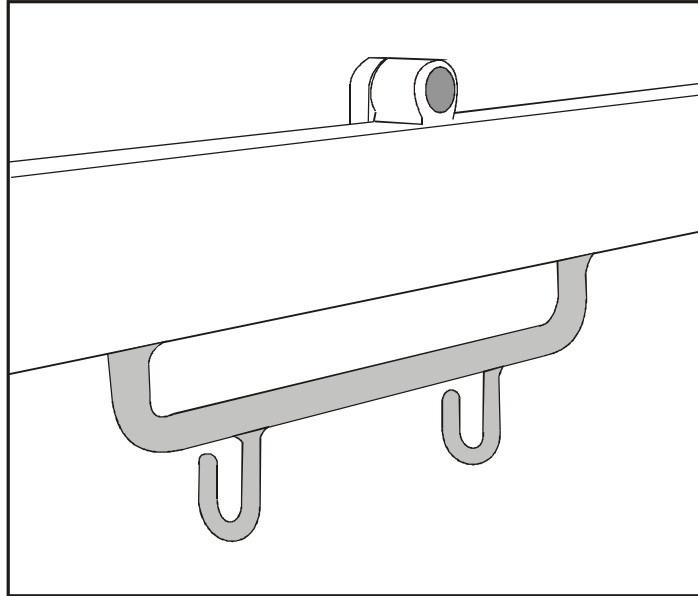


Figure 2-8 Drainage bag rail (left-hand side)

Caution

The load on each drainage bag rail should not exceed 2kg.

2.8 Power Operation

2.8.1 General

The bed is provided with power driven adjustment of bed height, backrest angle, leg elevation and tilt.

When a push button is pressed, the appropriate bed function will operate until the push button is released or the limit of travel is reached. The **Auto-contour** button operates both backrest and leg elevation simultaneously.

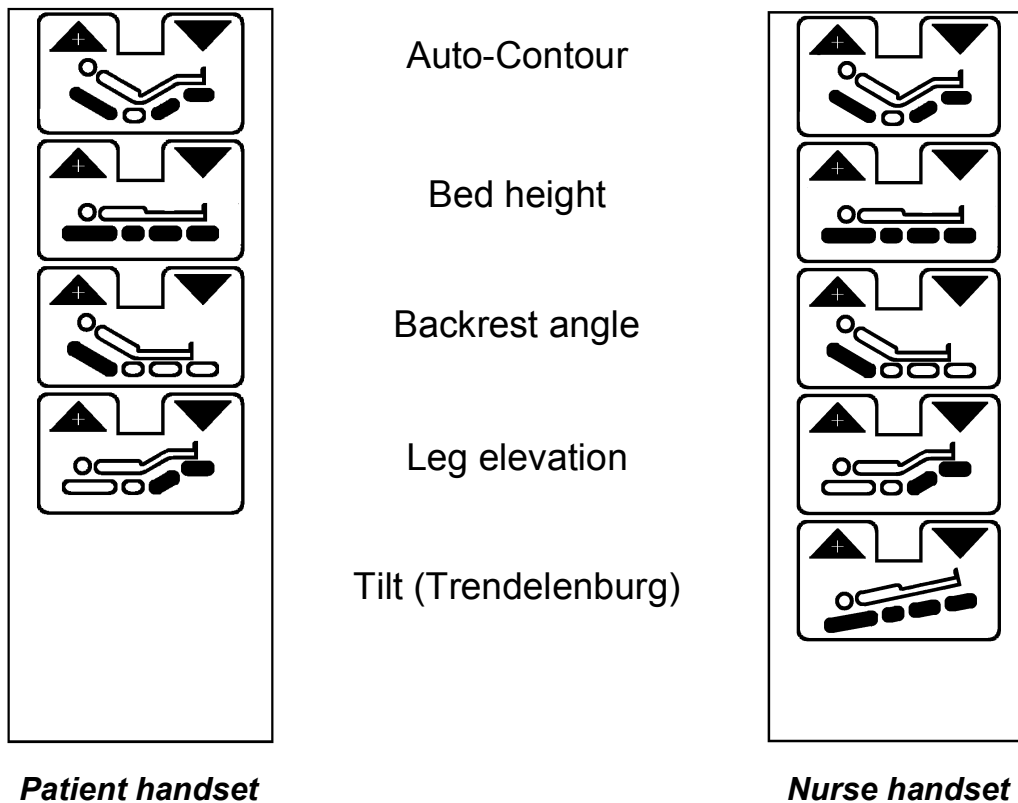


Figure 2-9 Control handsets

2.8.2 Control Inhibit (using the ACP)

By using the Attendant Control Panel (ACP), mounted below the seat section on the left-hand side of the bed, the nurse can disable the push button controls and thus prevent operation of the bed.

On the ACP is a rotary lockout switch for each bed function. To prevent the patient from making an adjustment, disable that particular bed function by turning the lockout switch so that the pointer is horizontal.

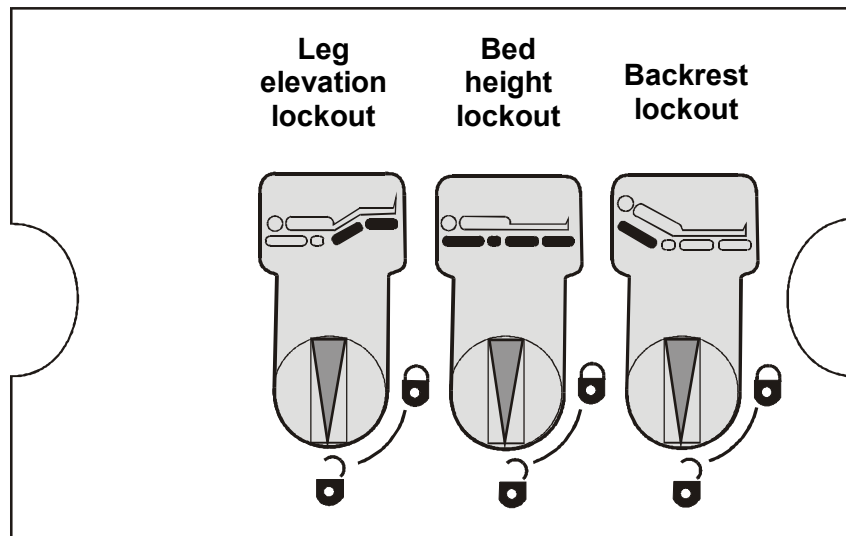


Figure 2-10 Attendant Control Panel (ACP)

2.8.3 Tilt Control

The tilt controls are located on the Nurse handset. Push and hold the appropriate button until the desired tilt position is obtained, or the limit of travel is reached.

When returning from a tilted position, the bed will automatically pause when it reaches the horizontal.

If tilt is applied with the bed at bottom height, the mattress platform will rise before tilting. Similarly, if the mattress platform is tilted and the bed is driven to bottom height, the mattress platform will level automatically before bottom height is reached.

2.8.4 Backup Battery

The backup battery is automatically switched on if the bed is disconnected from the power supply. Battery life is limited and is intended for short-term use only.

To ensure the battery is kept in a fully charged condition, and prevent damage to the battery, the bed must be connected to the power supply at all times during normal use.

3 OPERATIONAL MAINTENANCE

3.1 General

The equipment has been designed to be virtually maintenance-free between service intervals. The degree of periodic cleaning and maintenance necessary will be determined by use and condition.

Examine the bed for obvious signs of damage. If found take appropriate remedial action.

WARNING

Disconnect the bed from the mains power supply before carrying out cleaning procedures.

3.2 Cleaning

Wearing suitable protective clothing, clean all surfaces with a disposable cloth soaked in a neutral detergent and hand hot water.

Start by cleaning the upper sections of the bed and work along all horizontal surfaces. Work methodically towards the lower sections of the bed and clean the wheels last. Take extra care to clean areas that may trap dust or dirt.

Rinse with clean water and dry with disposable paper towels.

Allow the cleaned parts to dry before replacing the mattress.

3.3 Disinfecting

After cleaning the bed as described above, wipe all surfaces with sodium dichloroisocyanurate (NaDCC) at a concentration of 1,000 parts per million (0.1%) of available chlorine.

In the case of pooling body fluids, e.g. blood, the concentration of NaDCC should be increased to 10,000 parts per million (1%) of available chlorine.

Refer to Huntleigh Healthcare's Customer Infection Control procedures.

Caution

Do not use abrasive compounds or pads.

Do not use phenol-based disinfectant solutions.

4 PREVENTIVE MAINTENANCE

The following preventive maintenance checks and procedures should be carried out every 12 months.

All service and repair activities must only be carried out by properly qualified and trained persons approved by Huntleigh Healthcare.

Disposal of product and components should be compliant with local regulations.

WARNING

Before starting any maintenance activity, disconnect the bed from the electrical power supply.

If the backup battery is fitted, the bed will still operate when the handset buttons are pressed unless the function has been disabled on the ACP.

Avoid skin contact with lubricants. Gloves and protective clothing should be worn when carrying out maintenance work.

4.1 General

Examine the bed for obvious signs of damage. Make sure that all nuts, bolts and other fastenings are secure and not missing.

Examine all flexible cables for cuts, abrasions, kinks or other deterioration. Check the mains plug and cable for damage. If the mains plug or cable is damaged, they must be replaced as a complete assembly. Under no circumstances should the integral moulded plug be replaced with a rewirable plug.

4.2 Castors and Brakes

Check the brakes for efficient operation.

Check that the steering lock operates effectively.

Poor braking or steering performance indicates that one or more castors require adjustment or replacement.

4.3 Backup Battery

If, when the bed is operated using the batteries a beeping sound is heard, this indicates a low charge condition. The bed should be reconnected to the

mains power supply for a minimum of 24 hours, in order to recharge the batteries.

Every six months, the condition of the batteries should be checked using the following procedure:

1. Ensure that the bed has been connected to the mains power supply for 24 hours.
2. Disconnect the bed from the mains power supply.
3. Apply a load of 80kg to the mattress platform.
4. Raise and lower the mattress platform, from minimum to maximum height, three times.
5. If the bed does not operate satisfactorily in step 4, perform steps 1 to 4 again.

If the bed again fails to operate satisfactorily, the batteries are not holding sufficient charge and should be replaced. Refer to Chapter 7, Servicing Instructions.

5 TESTING

The following serviceability tests should be performed before returning the bed to use after service, or if any function is suspect.

These instructions should be read in conjunction with Chapter 2 of this manual.

If the result of any test is unsatisfactory, investigate and take the appropriate remedial action. Refer to Chapter 6, Troubleshooting and Chapter 7, Servicing Instructions.



All references to left or right of the bed are when viewed from the head end (i.e. by a patient lying on the bed).

WARNING

If any electrical assembly or wiring has been replaced or repaired, the appropriate electrical safety checks must be made.

Keep clear of the bed when it is being operated. Severe injury can result from crushing by moving parts.

5.1 Preliminary

- a) Verify that no furniture or other obstruction can impede the movements of the bed. Connect the bed to the power supply.
- b) Check that the rotary switches on the ACP are in the vertical (unlocked) position.

5.2 Power Operated Functions

- a) Using the patient handset, check the functions of bed height, backrest angle and leg elevation. Verify satisfactory operation over the full range of movement as specified in Chapter 8, Technical Data. Verify that the actuators are de-energised when the push button is released or the limit of travel is reached.
- b) Repeat a) using the nurse handset. Check that the tilt angle adjustment operates correctly over the full range of movement.
- c) Check the function of the Auto-Contour button. With the backrest and leg sections near maximum elevation, use the Auto-Contour button to flatten the mattress platform. Verify that the leg sections remain raised until the backrest has reached an almost horizontal position.

- d) Verify that the lock out switches on the ACP disable the appropriate push buttons on the control handset.

5.3 Battery Operation

- a) Disconnect the bed from the electricity supply.
- b) Check the functions of bed height, backrest angle, leg elevation and tilt.
- c) Test the battery as described in Section 4.3.

5.4 Manual Functions

5.4.1 Brakes and Steering

- a) Refer to Section 2.1. Check the brakes for efficient operation. Apply the brakes and push the bed. None of the castors should rotate.
- b) Raise the pedals in the steering position and verify that right-hand head end castor is engaged and cannot swivel.

5.4.2 Folding Safety Sides (where fitted)

Refer to Section 2.2. Check operation of both safety sides. Verify that the release and latching mechanisms are effective and that the sides are securely locked when raised.

5.4.3 Emergency CPR Release

Refer to Section 2.6. Operate the CPR release handle and verify that the backrest descends to a horizontal position in a smooth, controlled manner.

5.4.4 Kneebreak Angle

Refer to Section 2.5. Use the control handset to raise the leg sections to maximum height. Adjust the kneebreak angle to each of the intermediate ratchet positions, verifying that the calf section locks securely at each position.

6 TROUBLESHOOTING

The following table identifies some fault symptoms, their possible cause and suggested remedial action.

Test step	Symptom	Possible cause	Action
5.2	None of the actuators will work	Power disconnected or batteries discharged Fuse blown Control handset disconnected T-piece cable disconnected ACP disconnected.	Make sure mains lead is connected to a suitable power supply socket. Check fuse in mains plug (UK only) Insert handset plugs fully into sockets on T-piece cable. Insert T-piece cable plug fully into socket on ACP. Insert ACP plug fully into control box socket.
5.2	One actuator does not work	Actuator plug disconnected	Insert actuator plug is fully into control box socket.
5.4.1	Brakes or steering lock not effective	Worn or damaged castor(s)	Adjust or replace castor(s)
5.4.3	Emergency CPR release inoperative	Release cable stretched or worn	Adjust or replace CPR release cable

7 SERVICING INSTRUCTIONS

WARNING

Before starting any service or maintenance procedures, ensure that the equipment has been adequately decontaminated.

Avoid skin contact with lubricants. Rubber gloves and protective clothing should be worn when carrying out maintenance work.

The bed and its sub-assemblies are heavy and could cause serious injury or death by crushing. When working beneath the mattress platform, the equipment must be properly supported with suitable lifting devices, blocks or stands.

7.1 General

The servicing procedures and data given in this section include instructions for:

- Replacement of specific components and sub-assemblies
- Dismantling and assembly of the main structure
- Restoration of paint finish

All references to left or right of the bed are when viewed from the head end.

Procedures considered to be self-evident have not been included.

Before carrying out any servicing work, remove the end panels and mattress platform sheets to enable easier access to components.

Do not disassemble more than is necessary to replace a defective item.

Remove old Loctite[®] and other adhesives from components before re-assembly. Apply Loctite[®] 243 adhesive when reassembling items as specified in Appendix A. Before applying Loctite[®], clean and degrease parts using a suitable volatile solvent, e.g. methylated spirits.

Apply lubricant to bushes and joints on assembly of items as specified in Appendix A.

Throughout this section, numbers given in brackets refer to the Assembly Spares Manual drawing sheet number and item number for the part. Thus (03-5) represents Item 5 on Sheet 03.

If the mattress platform sections are removed for servicing or repair, pivot points should be lubricated prior to re-assembly where noted in the text or shown on the drawings. The use of Shell Cassida EPS2 grease or equivalent is recommended.

Before returning the equipment to use following repair or servicing:

- Carry out a visual inspection for signs of damage, paying particular attention to cables and paintwork.
- Perform a serviceability test as described in Chapter 4.
- Clean the equipment as described in Chapter 2.

Caution

After replacing any cable or actuator, check that none of the cables are kinked, strained or pinched. Adjust the cables to remove any slack that could become entangled in the bed mechanism. Verify that these conditions are maintained over the full range of movement of the bed sections.

7.2 Actuator Cable Clips – Removal

Where cables are connected to actuators, they are held in position by cable retaining clips (A). These are fitted to the cable adjacent to the electrical connector (B) and are a straight push fit into the receptacle (C) on the actuator body.

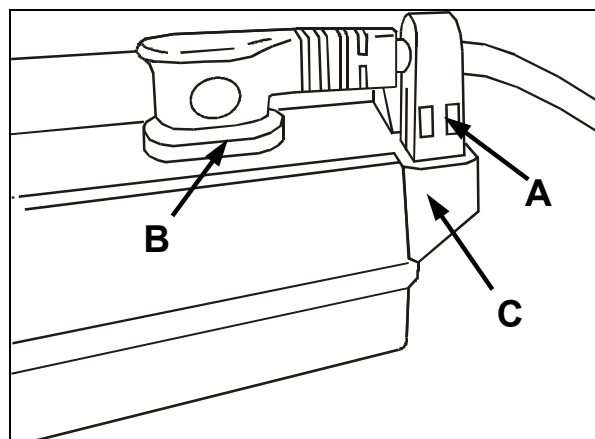


Figure 7-1 Actuator Cable Retaining Clip

To release a cable retaining clip, squeeze the clip sides together firmly and pull the clip away from the actuator.

7.3 Special Tools and Equipment


In addition to normal workshop tools, the special tools and equipment listed below will be required for servicing.

Item	Description	Part No.	Use
1	Hoist, SWL 250kg	-	General lifting
2	Sling straps (2)	-	General lifting
3	Brake cam rotating tool	745.04	Fitting castors

7.3.1 Using the Hoist

When using the hoist to lift any part of the bed, always ensure that the sling straps are applied to main frame sections and do not bear upon components, wiring or minor fabrications, e.g. brackets or safety sides.

7.4 Base Covers - Replacement

 Beds may be supplied without base covers or with plastic (ABS) covers.

7.4.1 ABS Covers – Removal

- Remove and discard four capped starlock washers (07-13). Pull off the brake pedals (07-14) and collect four brake pedal spacers (07-17).
- Slide the D-bar sideways to free one end of the base cover (07-18)(07-19), then slide it back the other way to free the other end. Lift the base cover off the bed.

7.4.2 ABS Covers - Installation

- Slide the D-bar (07-4)(07-5) sideways until the end just protrudes from the base fabrication (01-1).
- Position the base cover (07-18)(07-19) on the base fabrication. Slide the D-bar back through the hole in the base cover to secure the base cover at one end. Repeat this procedure to secure the other end of the base cover.
- Fit four brake pedal spacers (07-17) and two brake pedals (07-14). Secure with four new capped starlock washers (07-13).

7.5 Brake and Brake/Tracking Castors – Adjustment

If the brakes or steering lock are ineffective, the castors can be adjusted as follows.

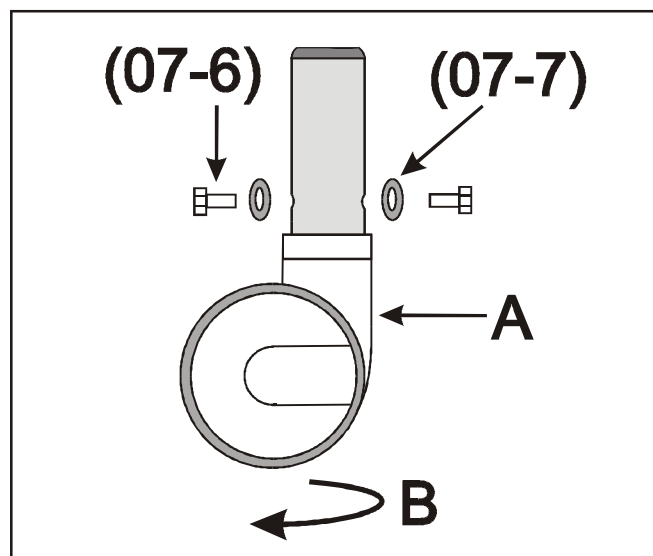


Figure 7-2 Castor adjustment

- a) On the castor to be adjusted, remove the two fixing screws (07-6) and collect two Nord-Lock washers (07-7).
- b) Refer to Figure 7-2. To improve the brake operation, rotate the housing (A) clockwise as shown by the arrow (B); to improve the steering lock operation, rotate the housing in the opposite direction. Rotate the housing in 180° steps; do not over-adjust
- c) After each 180° rotation, check the braking and/or steering operation. If any castor cannot be adjusted to achieve satisfactory performance, replace the castor as described in Section 7.7 or 7.8 as appropriate.

7.6 Free Castor - Replacement

7.6.1 Removal

- a) Use the hoist to raise the head end of the bed off the floor by approximately 20cm (8 ins.). Support the base frame on suitable blocks.
- b) Undo two hex head bolts (07-6) and collect two Nord-Lock washers (07-7). Withdraw the free castor from the base fabrication (01-1).

7.6.2 Installation

- a) Fit the replacement free castor (07-3) into the base fabrication (01-1). Line up the holes in the castor stem with the holes in the base.
- b) Fit two Nord-Lock washers (07-7) and two hex head bolts (07-6) to secure the castor in place.

7.7 Brake Castors – Replacement

7.7.1 Removal

- a) If fitted, remove the foot end ABS cover as described in Section 7.4. Slide the D-bar (07-5) to one side until it is just clear of the defective castor's mounting stem. *Continue from paragraph 7.7.1 d).*
- b) If the bed is not fitted with ABS base covers, proceed as follows. Remove and discard two capped starlock washers (07-13). Pull off the brake pedals (07-14) and collect two brake pedal spacers (07-17).
- c) Loosen (but do not remove) the grub screw securing the change lever (07-8) to the D-bar (07-4). Slide the D-bar (07-4) to one side until it is just clear of the defective castor's mounting stem.

- c) Use the hoist to raise the foot end of the bed off the floor by approximately 20cm (8 ins.). Support the base frame on suitable blocks.
- d) Undo two hex head bolts (07-6) and collect two Nord-Lock washers (07-7). Withdraw the defective castor (07-2) from the base fabrication (01-1).

7.7.2 Installation

- a) Insert the stem of the castor (07-2) into the base fabrication (01-1) and align the holes. Use the brake cam rotating tool (*Tool item 3*) to align the brake operating cam in the appropriate direction. Slide the D-bar (07-4) through the castor stem.
- b) Fit two Nord-Lock washers (07-7) and two hex head bolts (07-6) to secure the castor to the base fabrication.
- c) If the bed is fitted with ABS base covers, refit these items as described in Section 7.4.
- d) If the bed is not fitted with ABS base covers, proceed as follows. Slide the D-bar (07-4) back through the castor stem to align the hole in the change lever (07-8) with the hole in the D-bar (07-4).
- e) Tighten the grub screw to secure the change lever to the D-bar. Refit two brake pedal spacers (07-7) and brake pedals (07-14) and secure with two new capped starlock washers (07-13).

7.8 Brake/Tracking Castor – Replacement

7.8.1 Removal

- a) If fitted, remove the head end ABS cover as described in Section 7.4. Slide the D-bar (07-5) to one side until it is just clear of the defective castor's mounting stem. *Continue from paragraph 7.8.1 d).*
- b) If the bed is not fitted with ABS base covers, proceed as follows. Remove and discard two capped starlock washers (07-13) and collect two brake pedal spacers (07-17).
- c) Loosen (but do not remove) the grub screw securing the change lever (07-8) to the D-bar (07-5). Slide the D-bar (07-5) to one side until it is just clear of the castor's mounting stem.
- d) Use the hoist (*Tool item 1*) to raise the head end of the bed off the floor by approximately 20cm (8 ins.). Support the base frame on suitable blocks.

- e) Undo two hex head bolts (07-6) and collect two Nord-Lock washers (07-7). Withdraw the defective castor (07-1) from the base fabrication (01-1).

7.8.2 Installation

- a) Insert the stem of the castor (07-1) into the base fabrication (01-1) and align the holes. Use the brake cam rotating tool (*Tool item 3*) to align the brake operating cam in the appropriate direction. Slide the D-bar (07-5) through the castor stem.
- b) Fit two Nord-Lock washers (07-7) and two hex head bolts (07-6) to secure the castor to the base fabrication.
- c) If the bed is fitted with ABS base covers, refit these items as described in Section 7.4.
- d) If the bed is not fitted with ABS base covers, proceed as follows. Slide the D-bar (07-5) back through the castor stem to align the hole in the change lever (07-8) with the hole in the D-bar (07-4).
- e) Tighten the grub screw to secure the change lever to the D-bar. Refit two brake pedal spacers (07-7) and secure with two new capped starlock washers (07-13).

7.9 Mains Lead Assembly – Replacement

7.9.1 Removal

- a) Unplug the mains lead assembly (06-1)/(06-2)/(06-3) from the control box. Remove the screw (06-16) and washer (06-11) to release the control box from its bracket (06-13). Collect the washer (06-12) and allow the control box to drop slightly. Pull the mains cable and IEC connector out from behind the control box.
- b) Refer to Figure 7-3. Fully unscrew the cable grip (A) and slide it back over the mains lead (B). Slacken the large plastic nut (C) on the outside of the bed to partially release the mains lead assembly from the deck fabrication.
- c) Unscrew the metal nut (D). Pass the mains lead through the slot in the cable channel and remove the complete mains lead assembly from the bed.

7.9.2 Installation

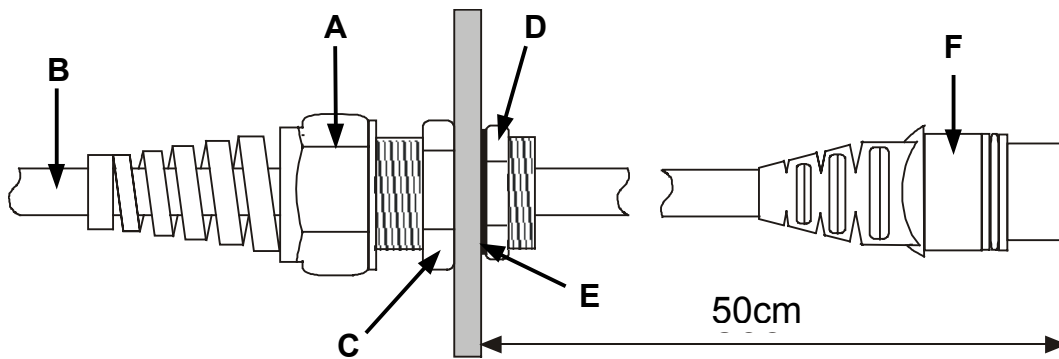


Figure 7-3 Mains Cable Fixing & Length Adjustment

- a) Refer to Figure 7-3. Pass the mains lead assembly (06-1)/(06-2)/(06-3) through the hole in the deck fabrication, via the slot in the cable channel. Fully unscrew the cable grip (A).
- b) Position the threaded shaft of the flex protector in the fixing hole at the head end of the cable channel. Fully tighten the metal fixing nut (D) with the rubber washer (E) underneath it.
- c) Adjust the length of cable inboard of the fixing hole to approximately 50cm including the IEC connector (F) as shown. Tighten the cord grip screw (A) to secure the cable in position.
- d) Pass the mains lead around the back of the bracket (06-13) and below the control box. Reconnect the mains lead to the control box. Attach the control box to the bracket using the screw (06-16), washer (06-12) and nut (06-11).

7.10 Backup Battery & Control Box – Replacement

WARNING

Lead-acid batteries are a potential environmental and health hazard. Store batteries in accordance with manufacturer's instructions. Dispose of unserviceable batteries safely in accordance with local authority regulations.

7.10.1 Removal

- a) The cables for the actuators and ACP are secured to the control box with a plastic retaining strip. Use a small flat bladed screwdriver to release the clips at either end and remove the retaining strip from the control box.
- b) Unplug the four actuator cables (01-16)(02-37)(02-38)(09-11) and ACP cable (06-21) from the control box, making a note of which cable goes in which socket.
- c) Undo four screws (06-10) and nuts (06-11) to release the backup battery from the control box bracket (06-13). Unplug the backup battery cable (06-14) from the control box.
- d) Unplug the IEC mains lead connector (06-1)/(06-2)/(06-3) from the control box. Disconnect the earth bonding strap (06-18) and retain the fixing nuts.
- e) Undo the M5 screw (06-16) and nut (06-11) used to attach the control box (06-4)(06-5) to the control box bracket and collect the washer (06-12). Remove the control box from the bed.

7.10.2 Installation

- a) Attach the control box (06-4)(06-5) to the control box bracket (06-13) using screw (06-16), washer (06-12) and nut (06-11).
- b) Connect the earth bonding strap (06-18) to the terminal on the control box (06-4)(06-5) using the nuts supplied. Plug in the mains cable (06-1)(06-2)(06-3).
- c) Refer to Sheet 62. Plug the four actuator cables (01-16)(02-37)(02-38)(09-11) and ACP/handset cable (06-21) into the control box, taking care to connect the correct cable to each socket.

- d) Connect the backup battery (06-14) to the socket on the control box. Attach the battery to the bracket using four screws (06-10) and nuts (06-11).
- e) Thread the ACP and actuator cables through the holes in the retaining strip. Fit the retaining strip over the connector plugs and clip it into position on the control box.

7.11 Attendant Control Panel - Replacement

7.11.1 Removal

- a) Unplug the battery (06-14) from the control box (06-4)/(06-5). Remove the control box from the bracket (06-13) as given in Subsection 7.10.1.
- b) Undo two screws (06-16) and hex head screw (06-8) to release the bracket (06-13) from the bed and remove the lower section of the cable channel below the backrest. Collect two washers (06-15).
- c) Release the cable clips below the deck assembly by depressing the locking tab (Figure 7-4, A). Pull the ACP cable out of the cable channel.

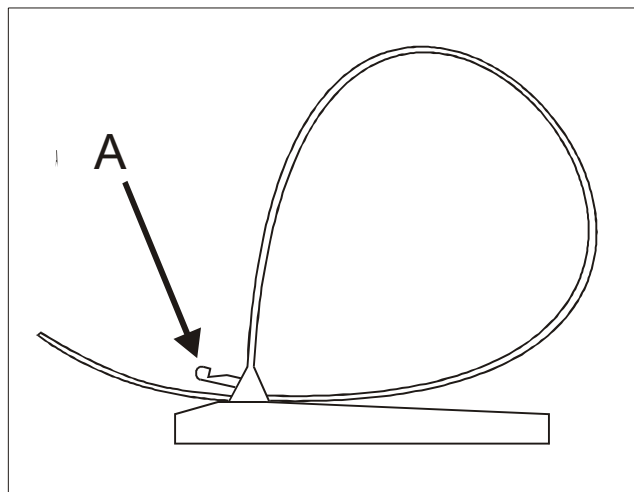


Figure 7-4 Cable clip release

- d) Remove two screws (06-10) and nuts (06-11) to release the ACP (06-21) from its mounting bracket. Unplug the T-piece cable (01-14) from the rear of the ACP and remove the ACP from the bed.

7.11.2 Installation

- a) Position the ACP (06-9) on the mounting bracket and secure in position with two screws and nuts (06-10)(06-11). Reconnect the T-piece cable

- (01-14) at the back of the ACP.
- b) Feed the ACP cable under the mattress platform and arrange it tidily in the cable channel. Refit the cable clips to secure the ACP cable in place.
 - c) Refit the bracket fabrication (06-13) to cover the cable channel below the backrest. Take care that no wires are pinched or trapped. Secure the bracket with two screws (06-16) and washers (06-15), and the hex head screw (06-8).
 - d) Refit the control box to the bracket as given in Subsection 7.10.2. Reconnect the battery (06-14) to the control box.

7.12 Hi/Lo Actuator – Replacement

WARNING

The main difference between Model 370 and Model 390 is that the latter uses a higher rated hi-lo actuator. Be sure to use the correct type of actuator when fitting a replacement.

7.12.1 Removal

- a) Apply the brakes. Use suitable stands to support the deck assembly at both ends. Refer to Section 7.2 and unplug the hi/lo actuator cable (01-16) from the hi/lo actuator (01-4).
- b) Remove and discard two capped starlock washers (01-5) and (01-24).

WARNING

Make sure the deck assembly is securely supported at both ends before continuing.

- c) Withdraw two clevis pins (01-6) and (01-23), taking care not to let the hi/lo actuator fall. Remove the height actuator from the bed.

7.12.2 Installation



The clevis pins that secure the hi/lo actuator are of different diameters. Take care to fit them in the correct positions and use the appropriate starlock washer.

- a) Secure the housing of the hi/lo actuator (01-4) to the base fabrication (01-1) using the 12mm Ø clevis pin (01-6) and a new capped starlock washer (01-5). The clevis pin is fitted with its head towards the inside of

the bed.

- b) Align the fixing hole in the ram end of the hi/lo actuator (01-4) between the fixing lugs on the tilt leg assembly (01-3).
- c) Install the 10mm Ø clevis pin (01-23) through the fixing holes in the hi/lo actuator ram and tilt leg assembly, with the head of the clevis pin on the inside of the bed. Secure in place with a new capped starlock washer (01-24).
- d) Connect the hi/lo actuator cable (01-16) to the hi/lo actuator (01-4). Fit the retaining clip into the actuator body (refer to Section 7.2).

7.13 Backrest Actuator- Replacement



Refer to Sheet 2 for beds with foot end extension, Sheet 3 for fixed length beds. Part references for both are given below.

7.13.1 Removal

- a) Disconnect the CPR cable as given in Subsection 7.17.1. Release the backrest actuator cable (02-37)/(03-35) as given in Section 7.2 and unplug it from the actuator.
- b) If the backrest is raised, use the hoist to support the backrest fabrication (02-6)/(03-5). Remove and discard two capped starlock washers (02-9)/(03-7). Withdraw two clevis pins (02-10)/(03-8) and remove the backrest actuator from the bed.

7.13.2 Installation

- a) Fit a clevis pin (02-10)/(03-8) to secure the body of the backrest actuator (02-24)/(03-22) to the deck fabrication (02-1)/(03-1) and secure with a new capped starlock washer (02-9)/(03-7). The head of the clevis pin should be on the inside of the bed.
- b) Align the lugs on the backrest fabrication (02-6)/(03-8) with the hole in the backrest actuator ram. Fit a clevis pin (02-10)/(03-8) to attach the two parts and secure with a new capped starlock washer (02-9)/(03-7). The head of the clevis pin should be on the inside of the bed.
- c) Reconnect the CPR cable (02-23)/(03-21) to the backrest actuator as given in Subsection 7.17.2. Connect the backrest actuator cable (02-37)/(03-35) and fit the retaining clip into the actuator body (refer to Section 7.2).

7.14 Kneebreak Actuator – Replacement



Refer to Sheet 2 for beds with foot end extension, Sheet 3 for fixed length beds. Part references for both are given below.

7.14.1 Removal

- a) Release the kneebreak actuator cable (02-38)/(03-36) from the kneebreak actuator (02-25)/(03-23) as given in Section 7.2. Unplug the cable from the actuator.
- b) If the leg sections are raised, use the hoist to support them. Remove one starlock washer (02-9)/(03-7) and clevis pin (02-10)/(03-8) to release the kneebreak actuator ram from the thigh section fabrication (02-5)/(03-4). Do not allow the actuator to fall.
- c) Remove the second starlock washer (02-9)/(03-7) and clevis pin (02-10)/(03-8) to release the kneebreak actuator body from the deck fabrication (02-1)/(03-1). Remove the actuator from the bed.

7.14.2 Installation

- a) Fit a clevis pin (02-10)/(03-8) to secure the body of the kneebreak actuator (02-25)/(03-23) to the deck fabrication (02-1)/(03-1) and secure with a new capped starlock washer (02-9)/(03-7). The head of the clevis pin should be on the inside of the bed.
- d) Use the hoist to align the lugs on the thigh section fabrication (02-5)/(03-4) with the hole in the kneebreak actuator ram. Fit a clevis pin (02-10)/(03-8) to attach the two parts and secure with a new capped starlock washer (02-9)/(03-7). The head of the clevis pin should be on the inside of the bed.
- e) Connect the kneebreak actuator cable (02-38)/(03-36) and fit the retaining clip into the actuator body (refer to Section 7.2).

7.15 Tilt Actuator – Replacement

7.15.1 Removal

- a) Support the foot end of the deck fabrication (01-1) securely. Disconnect the tilt actuator cable (09-11) from the tilt actuator (09-8) as given in Section 7.2.
- b) Remove and discard two capped starlock washers (09-10). Remove two clevis pins (09-9) to release the tilt actuator from the tilt radius arm

fabrication (09-1) and inner leg fabrication (09-2). Remove the tilt actuator from the bed.

7.15.2 Installation

- a) Position the tilt actuator on the tilt leg assembly. Fit two clevis pins (09-9), with their heads toward the inside of the bed, to attach the actuator ram to the tilt radius arm (09-1), and the actuator body to the inner leg fabrication (09-2).
- b) Secure the actuator in place with two capped starlock washers (09-10). Connect the tilt actuator cable (09-11) and fit the retaining clip into the actuator body as given in Section 7.2.

7.16 Ratchet Assembly (Rastomat) – Replacement



Refer to Sheet 2 for beds with foot end extension, Sheet 3 for non-extending beds. Part references for both are given below.

7.16.1 Removal

- a) Remove the screw (02-27)/(03-25). Remove and discard the starlock washer (02-28)/(03-26). Remove all old threadlock compound.
- b) Pull the ratchet assembly (02-26)/(03-24) off the spigot below the calf section fabrication (02-4)/(03-3) and remove the ratchet assembly from the bed.

7.16.2 Installation

- a) Slide the ratchet assembly (02-26)/(03-24) onto the spigot below the calf section fabrication - refer to Figure 7-5 for correct orientation. Secure with a new starlock washer (02-28)/(03-26).
- b) Apply Loctite 243 sparingly to the screw (02-27)/(03-25) and attach the ratchet assembly to the deck fabrication (02-1)/(03-1).

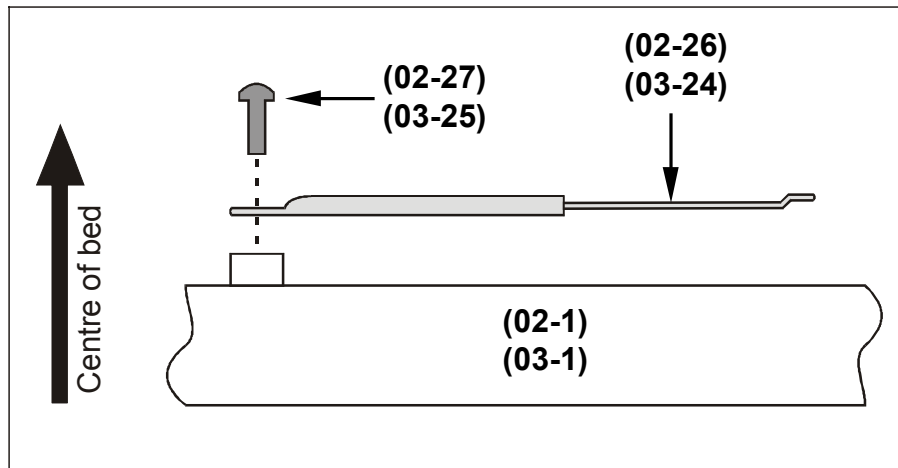



Figure 7-5 Rastomat fixing

7.17 CPR Cable – Replacement

 Refer to Sheet 2 for beds with foot end extension, Sheet 3 for fixed length beds. Part references for both are given below.

7.17.1 Removal

- a) Prise off and discard the starlock washer (02-34)/(03-32). Pull the CPR release cable (02-23)/(03-21) off the spigot on the CPR lever fabrication (02-20)/(03-18).
- b) Slacken the two nuts attaching the CPR release cable to the fixing lug on the deck fabrication (02-1)/(03-1) and pull the cable out of the lug.
- c) Refer to Figure 7-6. Slide the cover (A) off the CPR cable housing on the side of the backrest actuator (02-24)/(03-22). Lift the ball end of the cable (B) out of the housing and remove the CPR release cable from the bed.

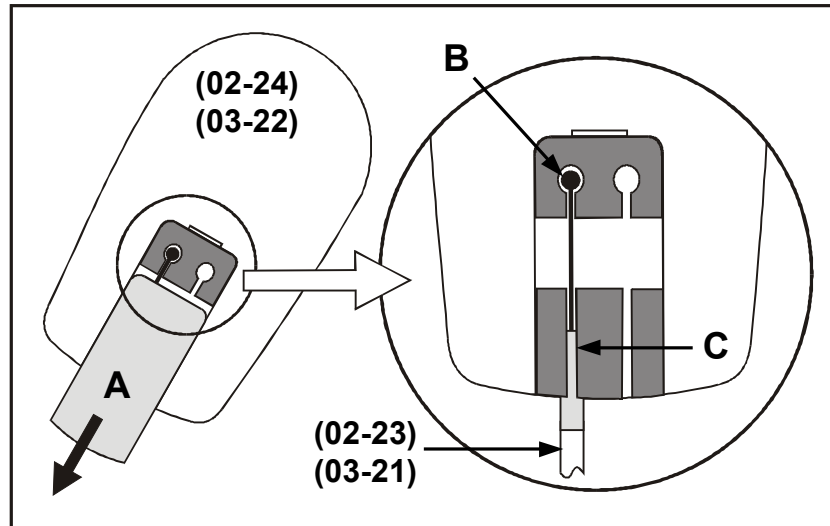


Figure 7-6 CPR cable fixing on backrest actuator

7.17.2 Installation & Adjustment

- a) Refer to Figure 7-6. Position the ball end (B) of the CPR release cable (02-23)/(03-21) in the circular recess of the cam lever (B). Locate the inner cable in the groove (C) with the outer cable held in place as shown. Refit the sliding cover (A).
- b) Route the cable below the deck assembly and attach the other end to the spigot on the CPR lever fabrication (02-20)/(03-18). Secure with a new starlock washer (02-34)/(03-42).
- c) Secure the CPR release cable to the deck fabrication (02-1)/(03-1) using one captive nut either side of the fixing lug. Adjust these nuts until the CPR release mechanism works satisfactorily. Make sure the CPR release cable is clear of moving parts of the bed mechanism.

7.18 Actuator Cables - Replacement



This section describes the general procedure for replacing an actuator cable. This method can be adapted according to the part being replaced.

7.18.1 Removal

- a) Release the cable retaining clip (refer to Section 7.2) and unplug the defective actuator cable from the actuator.



The hi/lo actuator cable (01-16) is wrapped around the base-deck earth bonding strap (02-42)/(03-42). If replacing this cable, temporarily disconnect the earth bonding strap from the base.

- b) Remove the backup battery and control box as given in Subsection 7.10.1.
- c) Remove the hex head screw (06-8). Undo two screws (06-16) and collect two toothed washers (06-15). Remove the control box bracket (06-13).
- d) Unplug the appropriate actuator cable. Release the cable ties below the deck (Figure 7-4), identify the faulty cable and release it from the cable ties. Remove the actuator cable from the bed.

7.18.2 Installation

- a) Connect the cable to the actuator and fit the cable retaining clip as given in Section 7.2. If fitting the hi/lo actuator cable, pass the earthing strap through the cable coils and refit the fixing screw and toothed washer to secure the earthing strap to the base.
- b) Plug the actuator cable into the correct socket on the control box (06-4)/(06-5) and replace the retaining strip.
- c) Attach the control box bracket to the underside of the mattress platform using two toothed washers (06-15) and screws (06-16). Fit the hex head screw (06-8).
- d) Install the control box and backup battery as given in Subsection 7.10.2. Arrange the actuator cable tidily beneath the mattress platform and refit the cable ties to secure the cable in position.
- e) Make sure that none of the cables is trapped or pinched. Check that all bed sections operate correctly over their full range of movement and that none of the cables is unduly pulled or strained.

7.19 Roller Buffer – Replacement



Refer to Sheet 2 for beds with foot end extension, Sheet 3 for fixed length beds. Part references for both are given below.

7.19.1 Removal

- a) Use a large, flat bladed screwdriver to release the flanges on the roller buffer retainer (02-19)/(03-17) and pull out the retaining pin (02-18)/(03-16).
- b) Remove the roller buffer retainer (02-19)/(03-17) and the roller buffer moulding (02-17)/(03-15) from the deck fabrication (02-1)/(03-1) or deck extension assembly (02-2).
- c) If necessary, remove the corner tube liner (02-16)/(03-14).

7.19.2 Installation

- a) If removed, insert the corner tube liner (02-16)/(03-14) in the deck fabrication (02-1)/(03-1). Make sure that the integral springs on the corner tube liner are facing toward the foot end of the bed.
- b) Install the roller buffer moulding (02-17)/(03-15) from below.
- c) Fit the roller buffer retainer (02-19)/(03-17) and insert the retaining pin (02-18)/(03-16) toward the foot end, ensuring that the groove engages between the flanges on the moulding.

7.20 Dismantling the Bed

This section gives procedures for dismantling the main structure of the bed. It must be read in conjunction with the preceding sub-sections, which describe the removal of specific components and sub-assemblies.

Dismantling of the bed is not a routine procedure and should only be carried out to the extent necessary.

The information given is for guidance only, since procedures will be varied according to the purpose for which they are undertaken.

Minor procedures, which may be considered self-evident, have not been included.



Paragraphs marked ★ refer to optional items and modules, which are not fitted to all beds.

7.20.1 Deck Extension Assembly – Removal ★

- a) Use a 13mm AF spanner to hold the extension retaining nut (02-32). Unscrew the knob (02-31) from the retaining screw (02-33).
- b) Remove the extension retaining nut from the retaining screw. Remove all traces of old threadlock compound from both components.
- c) Use a screwdriver to drive the retaining screw up into the deck extension assembly (02-2) so that it clears the holes in the deck fabrication (02-1).
- d) Repeat steps a) to c) on both sides of the bed. The deck extension assembly can now be pulled out of the deck fabrication.

7.20.2 Integral Safety Sides – Removal ★

- a) Raise the safety side to the locked position and support it using the hoist.
- b) Remove two screws (02-35)/(03-33) and collect two large washers (02-36)/(03-34). Slide the safety side horizontally out of the socket liners (02-14)/(03-12).
- c) Repeat steps a) and b) to remove the other safety side.

7.20.3 Backrest - Removal

- a) Use the hoist to support the backrest. Remove the capped starlock washer (02-9)/(03-7) and clevis pin (02-10)/(03-8) to release the actuator ram (02-24)/(03-22) from the backrest fabrication (02-6)/(03-5). Allow the backrest actuator to pivot down to the floor.
- b) Remove self-tapping screw (02-43)/(03-43) and toothed washer (02-40)/(03-40) to release the earth bonding strap (02-41)/(03-41) from the backrest.
- c) Remove and discard two capped starlock washers (02-11)/(03-9) and withdraw two clevis pins (02-12)/(03-10). Remove the backrest section from the bed.

7.20.4 Calf Section - Removal

- a) Use the hoist to support the calf section. Remove two self-tapping screws (02-43)/(03-43) and toothed washers (02-40)/(03-40) to release the earth bonding straps (02-41)/(03-41) at either end of the calf section.
- b) Remove and discard two starlock washers (02-28)/(03-26) and pull the ratchet assemblies (rastomats) (02-26)/(03-24) off the pivots on the calf section fabrication (02-4)/(03-3).
- c) Remove and discard two capped starlock washers (02-9)/(03-7). Slide the calf section to the left of the bed to free it from the pivots and collect two nylon washers (02-44)/(03-39). Remove the calf section sub-assembly from the deck assembly.

7.20.5 Thigh Section - Removal

- a) Use the hoist to support the thigh section. Remove the capped starlock washer (02-9)/(03-7) and clevis pin (02-10)/(03-8) to release the kneebreak actuator ram (02-25)/(03-23) from the thigh section fabrication (02-5)/(03-4).
- b) Remove self-tapping screw (02-43)/(03-43) and toothed washer (02-40)/(03-40) to release the earthing strap (02-41)/(03-41) from the thigh section.
- c) Remove and discard two capped starlock washers (02-11)/(03-9), withdraw two clevis pins (02-12)/(03-10) and remove the thigh section from the deck assembly.

7.20.6 Deck Assembly - Removal

WARNING

This procedure should be carried out by two people. Take care to support the deck assembly at all times.

- a) Use the hoist to support the deck assembly. Remove the backrest actuator from the bed as given in Subsection 7.13.1. Remove the kneebreak actuator as given in Subsection 7.14.1.
- b) Remove the tilt actuator as given in Subsection 7.15.1.
- c) Remove two screws (01-19) and collect two washers (01-18) Drive out the two deck mounting spacers (01-17) to release the head end of the deck fabrication (02-1)/(03-1) from the outer leg fabrication (02-2).
- d) Slide the deck assembly towards the foot end of the bed until the nylon rollers (01-8) just clear the C-section runners on the deck fabrication (02-1)/(03-1). Lift the complete deck assembly up and off the bed.
- e) If necessary, prise off and discard two starlock washers (01-7) and remove the two nylon rollers (01-8) from the inner leg fabrication (01-3).

7.20.7 Base Leg Fabrications - Removal

- a) Use the hoist to support the tilt (01-3) and outer (01-2) leg fabrications. Remove the hi/lo actuator from the bed, as given in Subsection 7.12.1.
- b) Remove four capped starlock washers (01-9) and drive out two pivot bars (01-10) to separate the inner and outer leg fabrications.
- c) Slide the outer leg fabrication towards the foot end of the bed until the nylon rollers (01-8) just clear the C-section channels on the base fabrication (01-1). Lift the outer leg section up and off the bed.
- d) If necessary, prise off and discard two starlock washers (01-7) and remove the two nylon rollers (01-8) from the outer leg fabrication (01-2).
- e) Drive out and discard the roll pin (01-13) collect the washer (01-31) and slide the outer leg fabrication from left to right to remove it from the base fabrication.

7.21 Assembling the Bed

7.21.1 Base Leg Fabrications – Installation

- a) Position the tilt leg fabrication (01-3) on the base fabrication (01-1) and fit the washer (01-31). Line up the fixing holes and slide the inner leg fabrication from right to left to engage the pivot points. Drive in a new roll pin (01-13). Support the inner leg fabrication using the hoist at an angle of approx. 45°.
- b) If removed previously, fit two nylon rollers (01-8) over the pegs at the bottom end of the outer leg fabrication and secure with two new starlock washers (01-7).
- c) If removed previously, fit four nylon bushes (01-11) into the holes in the inner leg fabrication. Do the same with the outer leg fabrication.
- d) Locate the nylon rollers in the C-section channels on the base fabrication (01-1) and line up the pivot holes in the outer leg fabrication with the pivot holes in the inner leg fabrication.
- e) Insert two pivot bars (01-10) through the nylon bushes in the inner and outer leg fabrications. Secure each pivot bar with two new capped starlock washers (01-9).
- f) Refit the hi/lo actuator as given in Subsection 7.12.2.

7.21.2 Deck Assembly – Installation

- a) If removed previously, fit two nylon rollers (01-8) over the pegs at the top end of the inner leg fabrication (01-3) and secure with two new starlock washers (01-7).
- b) Position the deck assembly above the base assembly using the hoist. Locate the nylon rollers (01-8) in the C-section channels on the deck fabrication (02-1)/(03-1) and slide the deck assembly towards the head end of the bed.
- c) Locate the pivot pins at the head end of the deck fabrication (02-1)/(03-1) in the brackets at the head end of the outer leg fabrication (01-2). Fit two deck mounting spacers (01-17) over the pivot pins to give a close fit in the brackets.
- d) Fit two washers (01-18) and screws (01-19) to secure the deck fabrication to the outer leg fabrication.
- e) Refit the tilt actuator as given in Subsection 7.15.2.

- f) Refit the backrest actuator to the deck assembly as given in Subsection 7.13.2.
- g) Refit the kneebreak actuator to the deck assembly as given in Subsection 7.14.2.

7.21.3 Thigh Section – Installation

- a) Use the hoist to position the thigh section fabrication (02-5)/(03-4) on the deck assembly. Attach to the deck fabrication (02-1)/(03-1) with two clevis pins (02-12)/(03-10), with the heads of the clevis pins facing the inside of the bed. Secure with two new capped starlock washers (02-11)/(03-9).
- b) Attach the ram of the kneebreak actuator (02-25)/(03-23) to the bracket on the thigh section fabrication with a clevis pin (02-10)/(03-8) and secure with a new capped starlock washer (02-9)/(03-7).
- c) Refit two earth bonding straps (02-41)/(03-41) to the thigh section fabrication using two screws (02-43)/(03-43) and toothed washers (02-40)/(03-40). Fit the toothed washer between the earth bonding strap and metal fabrication to improve electrical continuity – refer to Figure 7-7.

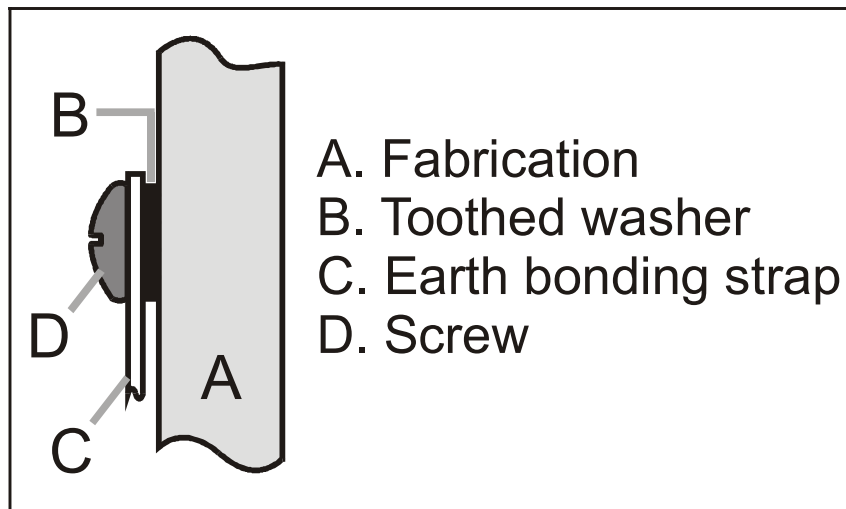


Figure 7-7 Earth bonding strap installation

7.21.4 Calf Section – Installation

- a) Apply grease as indicated to the two spigots at the foot end of the thigh section fabrication (02-5)/(03-4). Fit two nylon washers (02-44)/(03-39) over the spigots.

- b) Use the hoist to position the calf section fabrication (02-4)/(03-3) on the deck assembly. Slide from left to right to locate the holes in the calf section on the spigots on the thigh section fabrication. Secure the calf section fabrication to the thigh section, with two new capped starlock washers (02-9)/(03-7).
- c) Attach the ratchet assemblies (Rastomats) (02-26)/(03-24) to the fixing lugs on the underside of the calf section. Secure with two new starlock washers (02-28)/(03-26).
- d) Refer to Figure 7-7. Attach the earth bonding strap (02-41)/(03-41) between the thigh and calf sections using toothed washer (02-40)/(03-40) and screw (02-43)/(03-43).

7.21.5 Backrest – Installation

- a) Use the hoist to position the backrest fabrication (02-6)/(03-5) on the bed. Fit two clevis pins (02-12)/(03-10), with their heads toward the centre of the bed, through the pivots on the backrest and deck fabrication (02-1)/(03-1). Secure with two new capped starlock washers (02-11)/(03-9).
- b) Align the ram of the backrest actuator (02-24)/(03-22) with the fixing bracket on the underside of the backrest. Attach the actuator to the backrest with a clevis pin (02-10)/(03-8) and secure with a new capped starlock washer (02-9)/(03-7).
- c) Refer to Figure 7-7. Attach the earth bonding strap (02-41)/(03-41) to the bottom tube of the backrest, using a screw (02/43)/(03/43) and toothed washer (02/40)/(03/40).

7.21.6 Integral Safety Sides – Installation ★

- a) Use the hoist to position the safety side assembly alongside the bed, making sure to fit each safety side to the correct side of the bed.
- b) Fit the horizontal pivot bars on the two safety side uprights (08-5) and (08-6), through the accessory sockets mounted on the underside of the deck fabrication (02-1)/(03-1). Ensure that the horizontal peg on the foot end upright (08-6) locates in the radial groove on the safety side mounting bracket.
- c) Secure the safety side in position with two large washers (02-36)/(03-34) and two screws (02-35)/(03-33). Check that the safety side, in particular the locking mechanism, operates correctly.

7.21.7 Deck Extension Assembly – Installation ★

- a) Slide the deck extension assembly (02-2) into the foot end of the deck fabrication (02-1). Line up the fixing holes in the extension assembly with the keyhole slots in underside of the deck fabrication side members.
- b) Use a flat bladed screwdriver to undo the retaining screw (02-33) as far as it will go, so that it protrudes below the deck fabrication by about 35mm.
- c) Install the extension retaining nut (02-32) on the retaining screw with the round flange facing upwards. Apply Loctite 243 sparingly to the lower 10mm of the retaining screw and screw on the knob (02-31).
- d) Make sure the knob is tightly fastened. Tighten the extension retaining nut to the lock the knob in position.
- e) Repeat steps a) to d) on the other side of the bed. Check that the extension can be easily pulled in and out, and that it can be locked securely in either position.

7.22 Restoration of Paintwork

Damage to the paint finish on the frame or other components can be repaired by brush application of cellulose-based paint obtainable from specialist paint suppliers or local distributors.

The standard finish colour for this product is light grey RAL9002. If in doubt, contact Huntleigh Healthcare quoting the product code and serial number for confirmation of finish colour.

WARNING

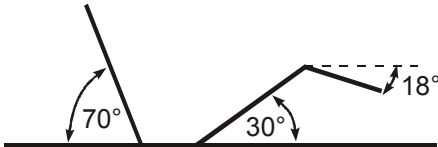
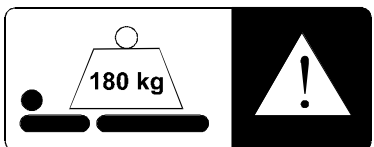
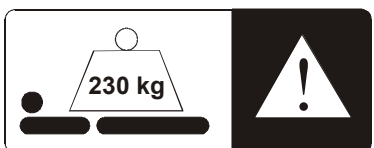
Always use painting materials as directed by the manufacturer and obey the safety instructions.

7.22.1 Procedure



- a) Clean and degrease the damaged area by wiping with a lint free cloth moistened with a suitable volatile solvent, e.g., methylated spirits.
- b) Make sure there are no loose chips of paint and use fine silicon carbide abrasive paper to abrade the area where paint is to be applied and blend to a smooth surface. Clean and degrease the area again.
- c) Use a soft bristle brush and apply the primer paint to the damaged area. Allow to dry and apply the colour finish paint. Use both in accordance with the manufacturer's instructions.

8 TECHNICAL DATA

Weights & Dimensions

Overall length	223 cm
Extended	236 cm
In-bed length	203 cm
Extended	216 cm
Overall width	102 cm
Height to mattress platform	
125mm single / 150mm twin castors	38 to 79 cm
150mm single castors	39 to 80 cm
Mattress platform angles (max.)	
Mattress size	198 x 86 x 12.5 cm
Product weight (without safety sides)	113 kg
Safe working load (Contoura® 370)	180 kg 
Safe working load (Contoura® 390)	230 kg 

Electrical Data

Power input	<i>UK/Europe/Australia</i>	2A max. at 230V a.c. 50/60Hz
	<i>Americas</i>	3.5A max. at 120V a.c. 60Hz
Duty rating		Intermittent 10% (2min. / 20 min.)
Safety Standards		Complies with EN 60601-1 (BS 5724: Part 1, IEC 601-1 BS EN 60601-2-38)
Electric shock protection	Class I	Type B 
EMC		Complies with BS EN 60601-1-2 1993
Equipotential terminal		Complies with IEC 601-1 1990 
Liquid ingress protection		IP54
Backup Battery (where fitted)		2 x 12V series connected, sealed, rechargeable lead/acid gel 1.2 amp hrs.

9 TRANSPORTATION AND STORAGE

Caution
Handle with care.
Do not drop.
Avoid shock or violent impact.

The equipment should be stored in a clean, dry and well-ventilated area.

The following limits apply during transport and for a storage period of up to 15 weeks:

Ambient temperature	-25 to +70°C
Relative humidity	10% to 75%
Air pressure	50kPa to 106 kPa

The following limits apply to operating conditions or longer periods of storage:

Ambient temperature	+10 to +40°C
Relative humidity	30% to 75%
Air pressure	70kPa to 106kPa

APPENDIX A - ASSEMBLY SPARES MANUAL

A.1 General

The Assembly Spares Manual is for the identification and requisition of replaceable parts. It contains assembly drawings of the equipment and sub-assemblies. Each drawing sheet is accompanied by its related parts list.

The Assembly / Spares Manual Modification Record (ASMMR) is the configuration control document for the equipment.

The ASMMR identifies the sheet number and issue number of all drawings relevant to a particular unit.

A.2 How to Use the Assembly Spares Manual

Refer to the relevant ASMMR for the equipment model number.

By reference to the equipment serial number and the ASMMR, identify the applicable drawing. Find the part on the drawing and note the item number which is given in a balloon. Refer to the related parts list for information regarding the part.

Sometimes a number of identical parts may appear in different locations but only one will be identified with a balloon. The number in the “Qty” column of the parts list indicates the total number of times that the part appears in the drawing.

When a part has optional variations, the last column of the parts list refers to a separate drawing sheet defining the choices.



Huntleigh Healthcare
Nesbit Evans Products Division

SHEET NO

01

PRODUCT

360/370/380/390 BED

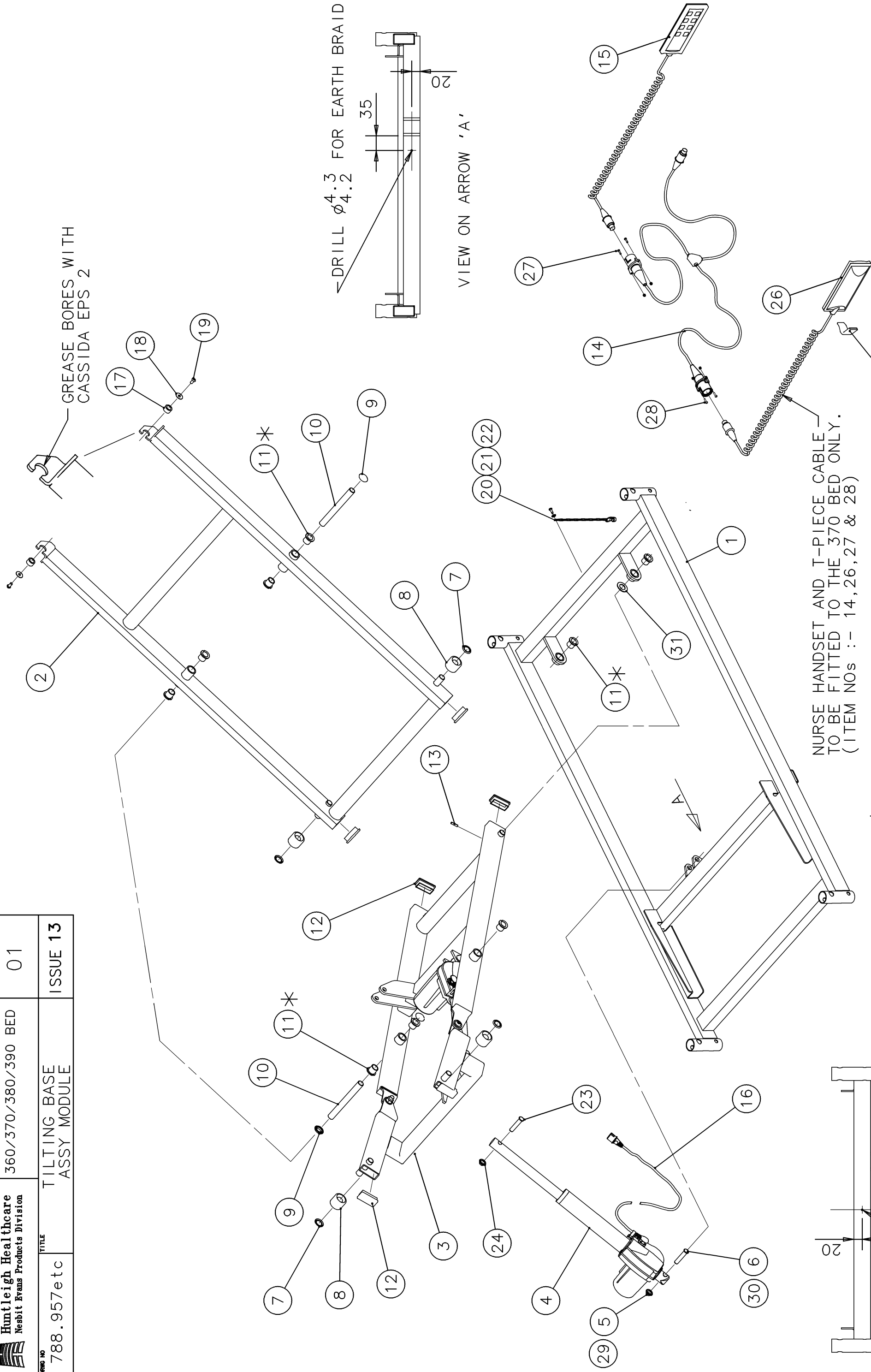
DWG NO

788.957etc

TITLE

TILTING BASE
ASSY MODULE

ISSUE 13



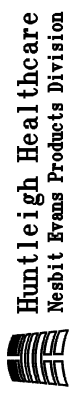
NURSE HANDSET AND T-PIECE CABLE
TO BE FITTED TO THE 370 BED ONLY.
(ITEM NOS :- 14,26,27 & 28)

*NOTE :- GREASE THE BORE OF
ITEM 11 WITH CASSIDA EPS 2

DRILL Ø4.3 FOR ANTI-STATIC CHAIN

HANDSET DETAIL

REV
13.6.05
KJ
SH
14.8.06



PRODUCT

CONTOURA
370/380/390

SHEET NO

02

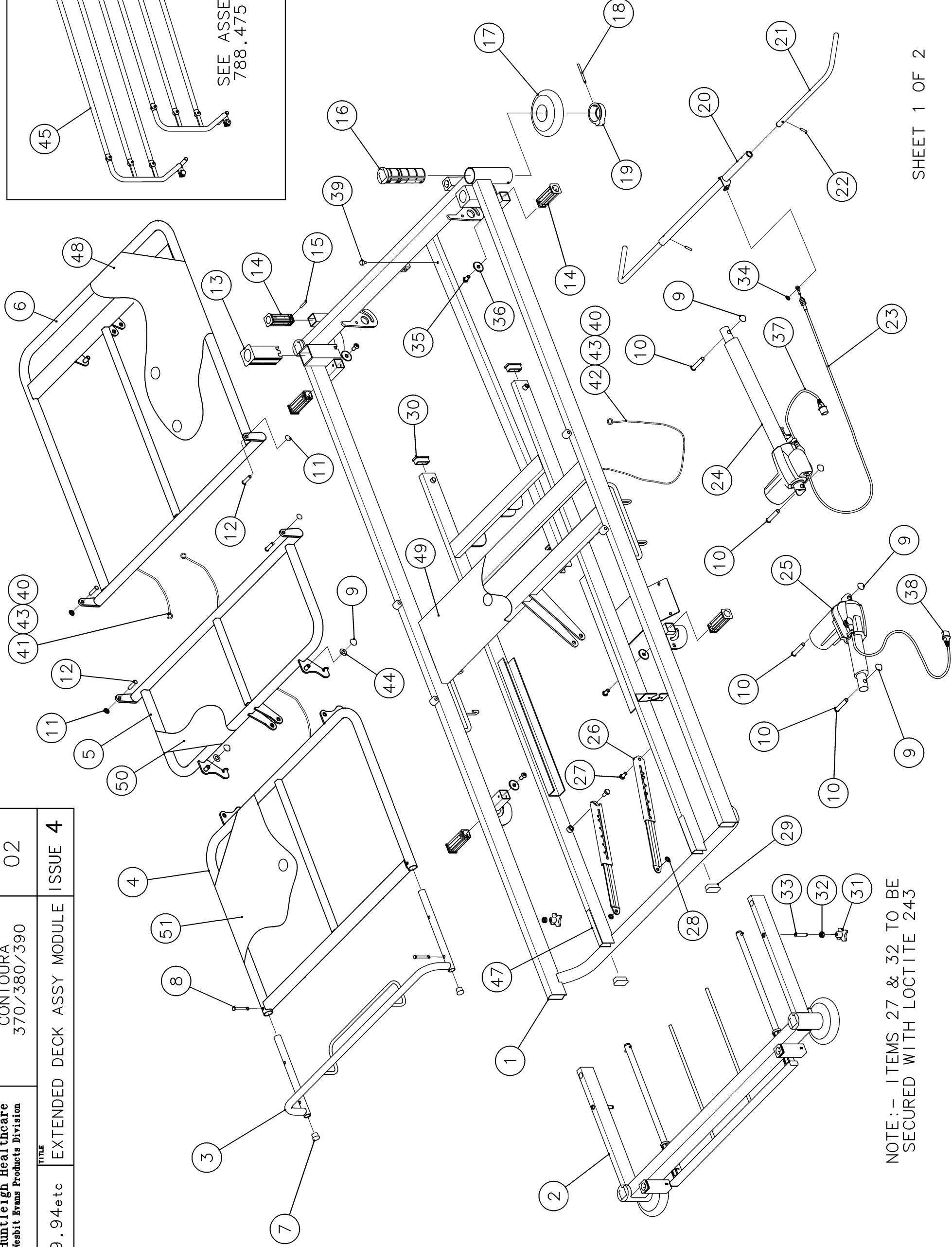
DWG NO

819.94etc

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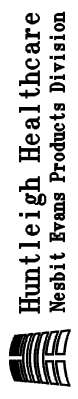
EXTENDED DECK ASSY MODULE

ISSUE 4



SEE ASSEMBLY DRAWING
788.475 FOR DETAILS.

NOTE:- ITEMS 27 & 32 TO BE
SECURED WITH LOCTITE 243



PRODUCT

CONTOURA
370/380/390

SHEET NO

02

DWG NO

819.94etc

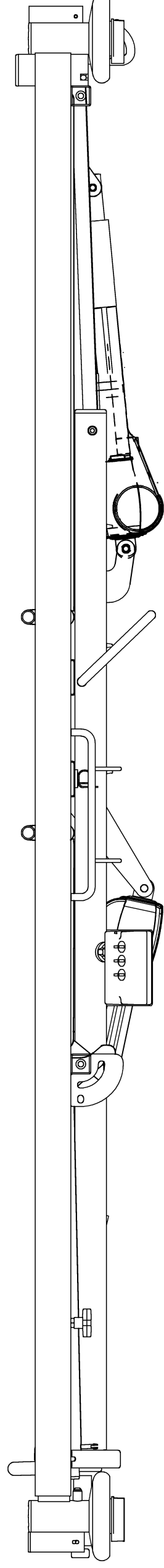
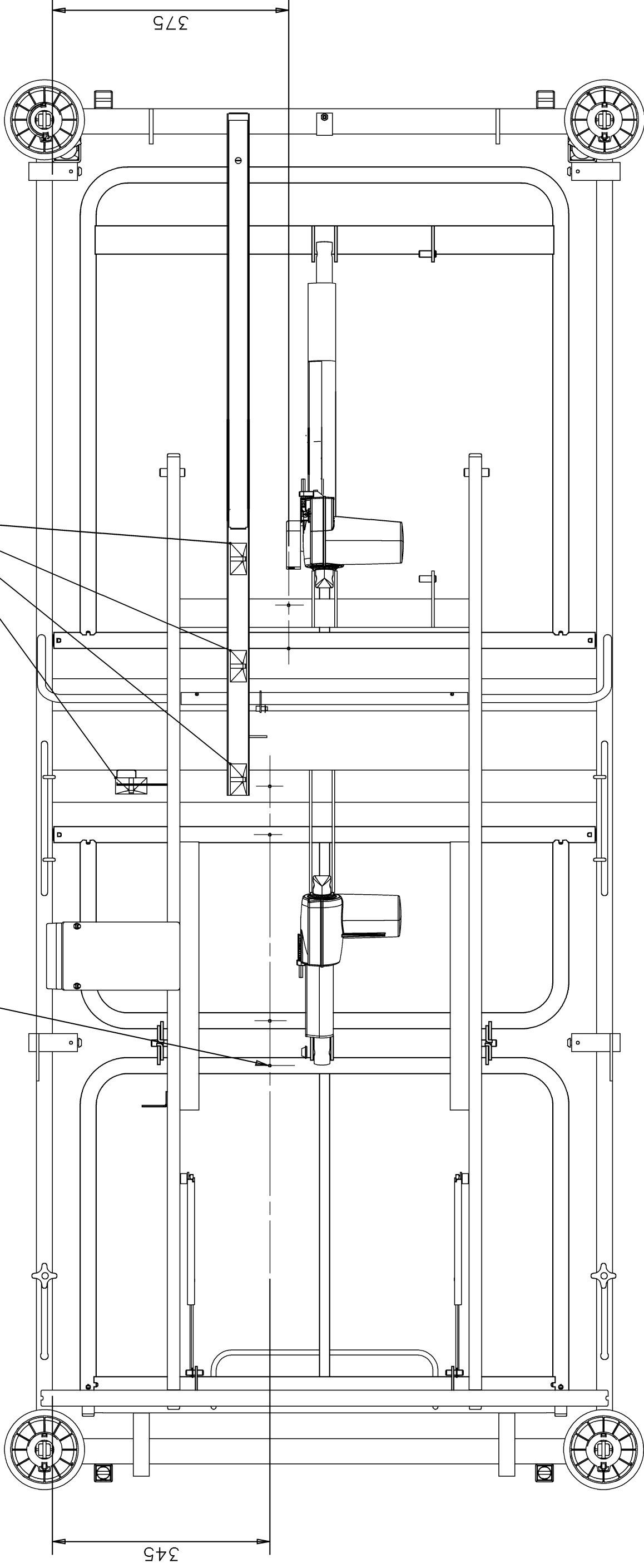
TITLE

EXTENDED DECK ASSY MODULE

ISSUE 4


SIX HOLES $\phi 4.3$ FOR EARTH BRAIDS.

46



SHEET 2 OF 2

DRWN KCS 24.4.06
CHKD KJ 26.4.06

 HUNTLEIGH NESBIT EVANS		PRODUCT CONTOURA 370/380/390				1 OF 2		SHEET No 02		
DRWG NO 819.94etc			TITLE EXTENDING DECK ASSY MODULE				ISSUE 4			
ITEM	PART No	QTY	DESCRIPTION	819.94 S-SIDES BED- STRIPPER	819.95 S-SIDES NO BED- STRIPPER	819.96 NO SIDES BED- STRIPPER	819.97 NO SIDES NO BED- STRIPPER			
1	-----	1	Deck Fabrication	788.934	788.934	788.824	788.824			
2	-----	1	Deck Extension Assy	788.856	788.855	788.856	788.855			
3	788.298	1	Handle Bow Fab'n							
4	819.81	1	Calf Section Fab'n							
5	819.80	1	Thigh Section Fab'n							
6	819.79	1	Backrest Section Fab'n							
7	S6537	2	End Cap ϕ 3/4"x16G Grey							
8	S6536	2	Push-In Fastener							
9	S4834	6	Capped Starlock ϕ 10							
10	S3840	4	Clevis Pin ϕ 10x50							
11	S4804	4	Capped Starlock ϕ 8							
12	S3824	4	Clevis Pin ϕ 7.9x32							
13	805.13	2	Lifting Pole Socket Liner							
14	805.12	-	Accessory Socket Liner	6	6	2	2			
15	S1021	2	Roll Pin ϕ 3/16"x1 1/8"							
16	805.14	2	Corner Tube Liner							
17	805.52	2	Roller Buffer Moulding							
18	805.16	2	Retaing Pin							
19	805.15	2	Roller Buffer Retainer							
20	788.858	1	CPR Lever Fab'n							
21	788.880	2	CPR Handle							
22	S1017	2	Roll Pin ϕ 3/16"x3/4"							
23	788.884	1	CPR Release Cable							
24	S9085	1	Backrest Actuator LA27							
25	S9076	1	Knee-Break Actuator LA27							
26	S4778	2	Rastomat 6 Position							
27	S1103	2	M8x16 Hex. Hd. Screw							
28	S4817	2	Starlock ϕ 8							
29	S6712	2	End Cap 40x20x1.0-2.5mm							
30	A5N3832Z	2	End Cap 45x20x14-20G Grey							
31	S5237	2	Knob - Jencan M8							
32	788.991	2	Extension Retaining Nut							
33	788.142	2	Retaining Screw							
34	S4816	1	Starlock ϕ 6							
35	-----	4	M8x16 Skt Button Hd Tuflok	S3648	S3648	-	-			
36	-----	4	S-Side Washer	788.951	788.951	-	-			
37	819.08	1	Actuator Cable							
38	819.126	1	Actuator Cable							
39	S6558	1	Rubber Stop (Moss 50185)							
40	S4785	7	External Tooth Washer							
41	788.949	3	Earth Bonding Strap (150mm)							
42	788.950	1	Earth Bonding Strap (900mm)							
43	S1619	7	No 10 x 1/2" Pozi Flange Hd							
44	S5170	2	Nylon Washer 3/8" I/D x 1/16"							
45	-----	1	Integral Safety-Sides (Pair)	788.979	788.979					
46	S6523	4	Cable Clamp Self-Adhesive							
47	A5T2800Z	2	Bearing Tape (0.2x100x25mm)							
48	819.74	1	Backrest Sec Sheet							
49	819.75	1	Seat Sec Sheet							
50	819.76	1	Thigh Sec Sheet							



**HUNTLEIGH
NESBIT EVANS**

PRODUCT

CONTOURA 370/380/390

2 OF 2

SHEET No

02

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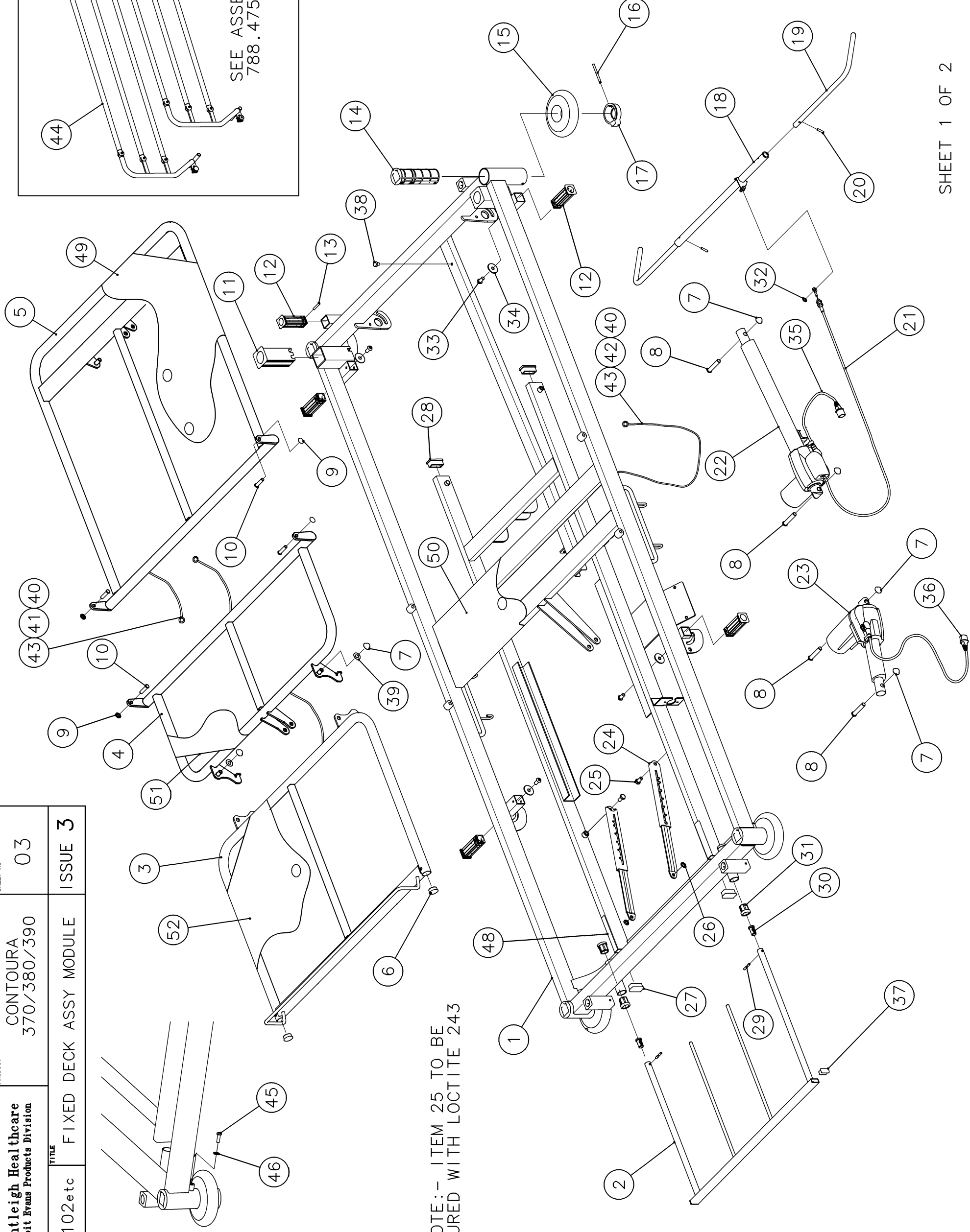
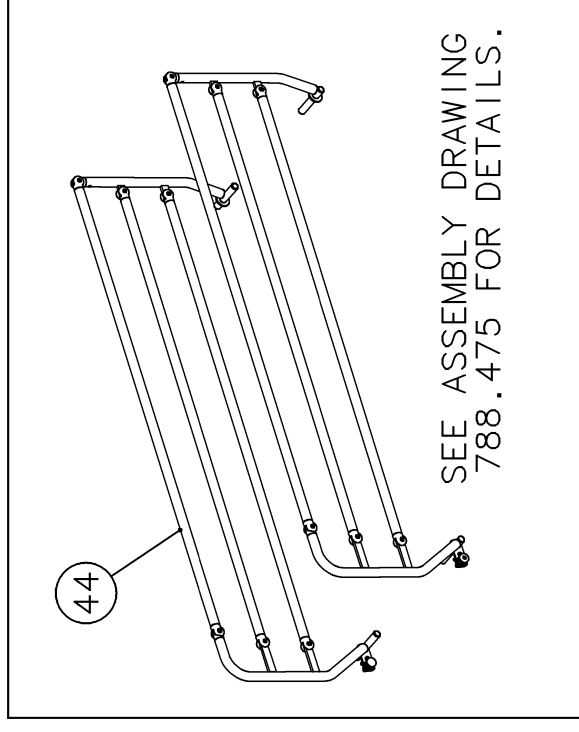
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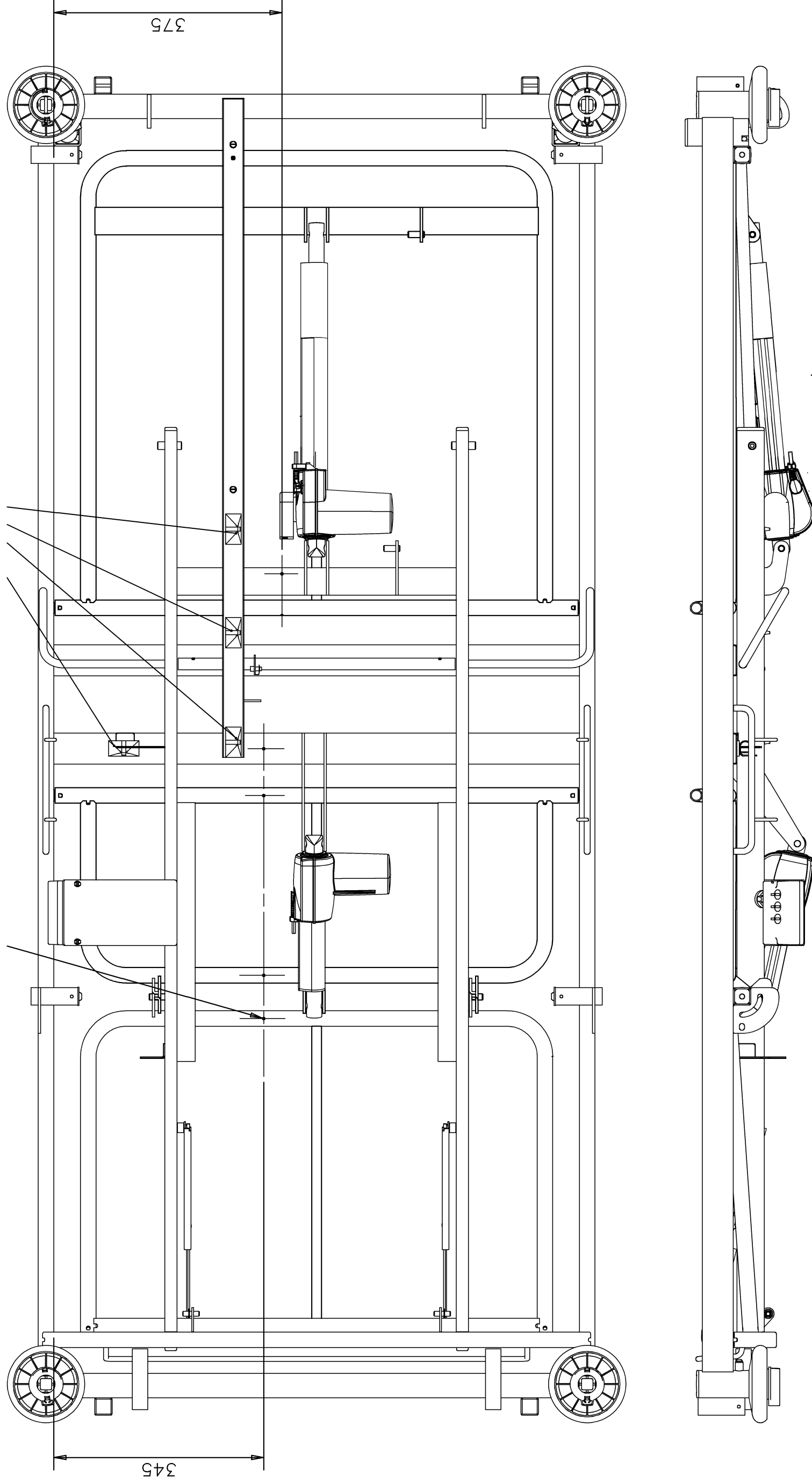
EXTENDING DECK ASSY MODULE


ISSUE 4

ITEM	PART No	QTY	DESCRIPTION	819.94 S-SIDES BED- STRIPPER	819.95 S-SIDES NO BED- STRIPPER	819.96 NO SIDES BED- STRIPPER	819.97 NO SIDES NO BED- STRIPPER
51	819. 77	1	Cal f Sec Sheet				
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NOTE :- ITEM 25 TO BE
SECURED WITH LOCTITE 243



 HUNTLEIGH NESBIT EVANS		<small>PRODUCT</small> CONTOURA 370/380/390		1 of 2		<small>SHEET No</small> 03	
<small>DRWG NO</small> 819.102etc			<small>TITLE</small> FIXED DECK ASSY MODULE			ISSUE 3	
ITEM	PART No	QTY	DESCRIPTION	819.102 S-SIDES BED- STRIPPER	819.103 S-SIDES NO BED- STRIPPER	819.104 NO SIDES BED- STRIPPER	819.105 NO SIDES NO BED- STRIPPER
1	-----	1	Deck Fabrication	788.963	788.959	778.962	788.958
2	-----	1	Bed Stripper Fab'n	805.26	-----	805.26	-----
3	819.106	1	Calf Section Fab'n				
4	819.80	1	Thigh Section Fab'n				
5	819.79	1	Backrest Section Fab'n				
6	S5089	2	End Cap ϕ 1" x 16-18G Grey				
7	S4834	6	Capped Starlock ϕ 10				
8	S3840	4	Clevis Pin ϕ 10x50				
9	S4804	4	Capped Starlock ϕ 8				
10	S3824	4	Clevis Pin ϕ 7.9x32				
11	805.13	2	Lifting Pole Socket Liner				
12	805.12	-	Accessory Socket Liner	8	8	4	4
13	S1021	4	Roll Pin ϕ 3/16"x1 1/8"				
14	805.14	4	Corner Tube Liner				
15	805.52	4	Roller Buffer Moulding				
16	805.16	4	Retaining Pin				
17	805.15	4	Roller Buffer Retainer				
18	788.858	1	CPR Lever Fab'n				
19	788.880	2	CPR Handle				
20	S1017	2	Roll Pin ϕ 3/16"x3/4"				
21	788.884	1	CPR Release Cable				
22	S9085	1	Backrest Actuator LA27				
23	S9076	1	Knee-Break Actuator LA27				
24	S4778	2	Rastomat 6 Position				
25	S1103	2	M8x16 Hex. Hd. Screw				
26	S4817	2	Starlock ϕ 8				
27	S6712	2	End Cap 40x20x1.0-2.5mm				
28	A5N3832Z	2	End Cap 45x20x14-20G Grey				
29	805.691	2	Bed Stripper Stop Pin				
30	805.690	2	Bed Stripper End Cap				
31	805.19	4	Bed Stripper Bush				
32	S4816	1	Starlock ϕ 6				
33	-----	4	M8x16 Skt Button Hd Tuflok	S3648	S3648	-	-
34	-----	4	S-Side Washer	788.951	788.951	-	-
35	788.888	1	Backrest Actuator Cable				
36	788.390	1	Knee-Break Actuator Cable				
37	S5091	2	End Cap 1" x 0.5" - Grey				
38	S6558	1	Rubber Stop (Moss 50185)				
39	S5170	2	Nylon Washer ϕ 3/8" x 1/16"				
40	S4785	7	External Toothed Washer				
41	788.949	3	Earth Bonding Strap (150mm)				
42	788.950	1	Earth Bonding Strap (900mm)				
43	S1619	7	No.10 x 1/2" Pozi Flange Hd				
44	-----	1	Integral Safety-Sides (Pair)	788.979	788.979		
45	S3602	2	Sckt Button Hd Screw M6 x 20				
46	S1802	2	M6 Washer ϕ 12 x 1.6 Thk				
47	S6523	4	Cable Clamp Self-Adhesive				
48	A5T2800Z	2	Bearing Tape (0.2x100x25mm)				
49	819.74	1	Backrest Sec. Sheet				
50	819.75	1	Seat Sec. Sheet				



**HUNTLEIGH
NESBIT EVANS**

PRODUCT

CONTOURA 370/380/390

2 OF 2

SHEET No

03

DRWG NO


819.102etc

TITLE

FIXED DECK ASSY MODULE

ISSUE 3

I T E M	PART No	Q T Y	DESCRIPTION	819.102	819.103	819.104	819.105
				S-SIDES BED- STRIPPER	S-SIDES NO BED- STRIPPER	NO SIDES BED- STRIPPER	NO SIDES NO BED- STRIPPER
51	819.76	1	Thigh Sec. Sheet				
52	819.77	1	Calf Sec. Sheet				
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 HUNTLEIGH NESBIT EVANS		<small>PRODUCT</small> CONTOURA 370 / 380		1 of 2		<small>SHEET No</small> 03	
<small>DRWG NO</small> 819.102etc			<small>TITLE</small> FIXED DECK ASSY MODULE			ISSUE 2	
ITEM	PART No	QTY	DESCRIPTION	819.102 S-SIDES BED- STRIPPER	819.103 S-SIDES NO BED- STRIPPER	819.104 NO SIDES BED- STRIPPER	819.105 NO SIDES NO BED- STRIPPER
1	-----	1	Deck Fabrication	788.963	788.959	778.962	788.958
2	-----	1	Bed Stripper Fab'n	805.26	-----	805.26	-----
3	819.106	1	Calf Section Fab'n				
4	819.80	1	Thigh Section Fab'n				
5	819.79	1	Backrest Section Fab'n				
6	S5089	2	End Cap ø1" x 16-18G Grey				
7	S4834	6	Capped Starlock ø10				
8	S3840	4	Clevis Pin ø10x50				
9	S4804	4	Capped Starlock ø8				
10	S3824	4	Clevis Pin ø7.9x32				
11	805.13	2	Lifting Pole Socket Liner				
12	805.12	-	Accessory Socket Liner	8	8	4	4
13	S1021	4	Roll Pin ø3/16"x1 1/8"				
14	805.14	4	Corner Tube Liner				
15	805.52	4	Roller Buffer Moulding				
16	805.16	4	Retaining Pin				
17	805.15	4	Roller Buffer Retainer				
18	788.858	1	CPR Lever Fab'n				
19	788.880	2	CPR Handle				
20	S1017	2	Roll Pin ø3/16"x3/4"				
21	788.884	1	CPR Release Cable				
22	S9085	1	Backrest Actuator LA27				
23	S9076	1	Knee-Break Actuator LA27				
24	S4778	2	Rastomat 6 Position				
25	S1103	2	M8x16 Hex. Hd. Screw				
26	S4817	2	Starlock ø8				
27	S6712	2	End Cap 40x20x1.0-2.5mm				
28	A5N3832Z	2	End Cap 45x20x14-20G Grey				
29	805.691	2	Bed Stripper Stop Pin				
30	805.690	2	Bed Stripper End Cap				
31	805.19	4	Bed Stripper Bush				
32	S4816	1	Starlock ø6				
33	-----	4	M8x16 Skt Button Hd Tuflok	S3648	S3648	-	-
34	-----	4	S-Side Washer	788.951	788.951	-	-
35	788.888	1	Backrest Actuator Cable				
36	788.390	1	Knee-Break Actuator Cable				
37	S5091	2	End Cap 1" x 0.5" - Grey				
38	S6558	1	Rubber Stop (Moss 50185)				
39	S5170	2	Nylon Washer ø3/8" x 1/16"				
40	S4785	7	External Toothed Washer				
41	788.949	3	Earth Bonding Strap (150mm)				
42	788.950	1	Earth Bonding Strap (900mm)				
43	S1619	7	No.10 x 1/2" Pozi Flange Hd				
44	-----	1	Integral Safety-Sides (Pair)	788.979	788.979		
45	S3602	2	Sckt Button Hd Screw M6 x 20				
46	S1802	2	M6 Washer ø12 x 1.6 Thk				
47	S6523	4	Cable Clamp Self-Adhesive				
48	A5T2800Z	2	Bearing Tape (0.2x100x25mm)				
49	819.74	1	Backrest Sec. Sheet				
50	819.75	1	Seat Sec. Sheet				



**HUNTLEIGH
NESBIT EVANS**

PRODUCT

CONTOURA 370 / 380

2 of 2

SHEET No

03

DRWG NO


819.102etc

TITLE

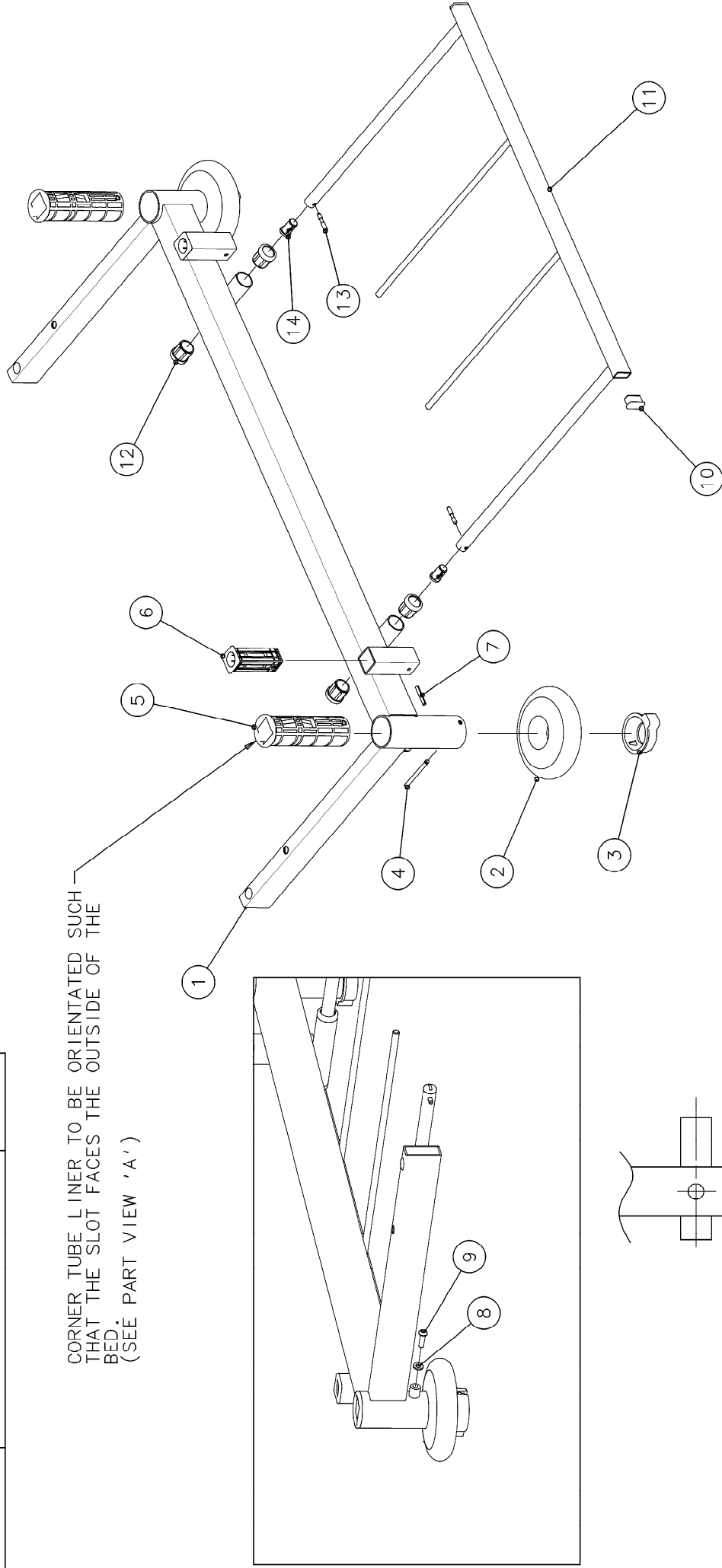
FIXED DECK ASSY MODULE

ISSUE 2

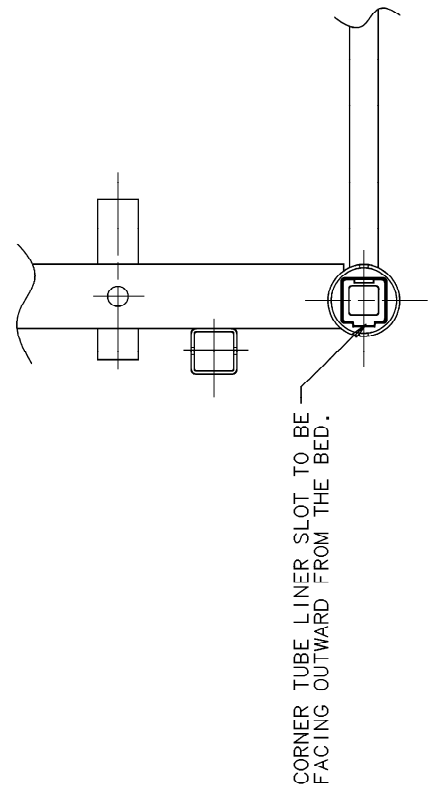
ITEM	PART No	QTY	DESCRIPTION	819.102 S-SIDES BED- STRIPPER	819.103 S-SIDES NO BED- STRIPPER	819.104 NO SIDES BED- STRIPPER	819.105 NO SIDES NO BED- STRIPPER
51	819.76	1	Thigh Sec. Sheet				
52	819.77	1	Calf Sec. Sheet				
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 Huntleigh Healthcare Resbit Evans Products Division	PRODUCT CONTOURA 350/360/P30	SHEET No 04
	ITEM NO 788.855etc	TITLE FOOTEND EXTENSION ASSEMBLY ISSUE 1

CORNER TUBE LINER TO BE ORIENTATED SUCH THAT THE SLOT FACES THE OUTSIDE OF THE BED.
 (SEE PART VIEW 'A')



NOTE: - ITEMS 10, 11, 12, 13 & 14 ARE ONLY USED WITH ASSY 788.856



CORNER TUBE LINER SLOT TO BE FACING OUTWARD FROM THE BED.

PART VIEW A



**HUNTLEIGH
NESBIT EVANS**

PRODUCT

CONTOURA 350/360/P30

1 OF 1

SHEET No
04

DRWG NO

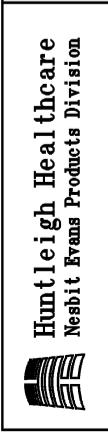
788.855etc.

TITLE

FOOTEND EXTENSION ASSY

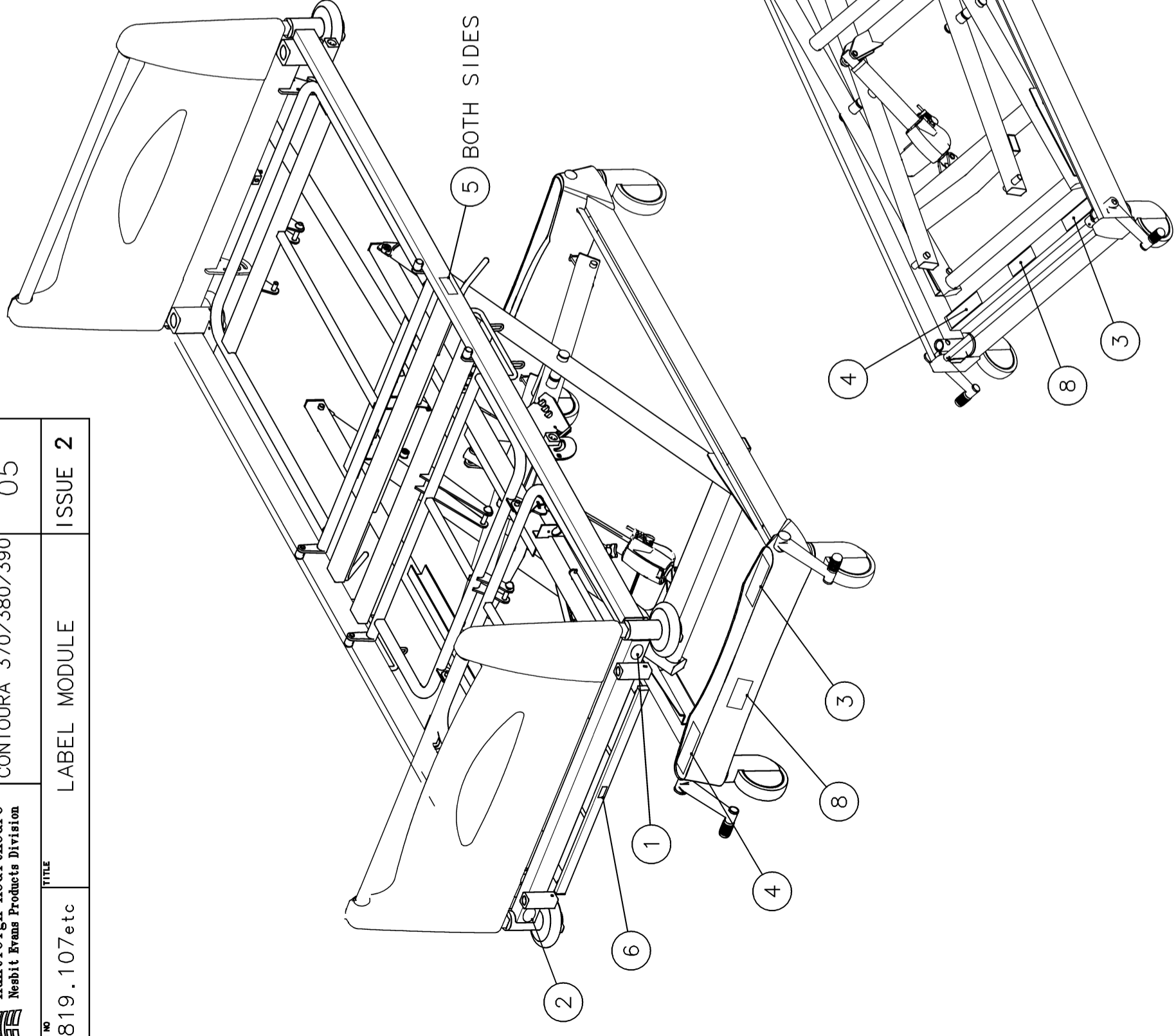
ISSUE 1

ITEM	PART No	QTY	DESCRIPTION	788.855	788.856
1	-----	1	Extension Fab'n	788.830	788.835
2	805.52	2	Integral Roller Buffer Moulding		
3	805.15	2	Roller Buffer Retainer		
4	805.16	2	Retaining Pin		
5	805.14	2	Corner Tube Liner		
6	805.12	2	Accessory Socket Liner		
7	S1021	2	Roll Pin 3/16" x 1 1/8"		
8	S1802	2	M6 Washer ø12 x 1.6		
9	S3602	2	Socket Button Hd Screw M6x20		
10	-----	2	EndCap 1" x 0.5" Grey	-	S5091
11	-----	1	Bed Stripper Fab'n	-	805.26
12	-----	4	Bed Stripper Bush	-	805.19
13	-----	2	Bed Stripper Stop Pin	-	805.691
14	-----	2	Bed Stripper End Cap	-	805.690
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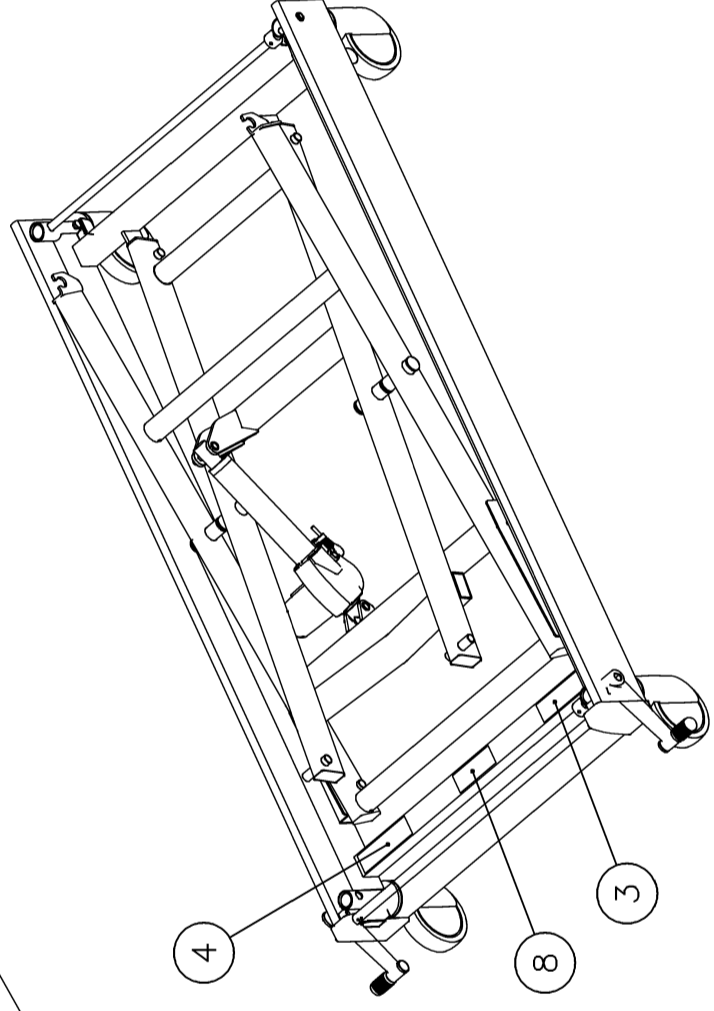
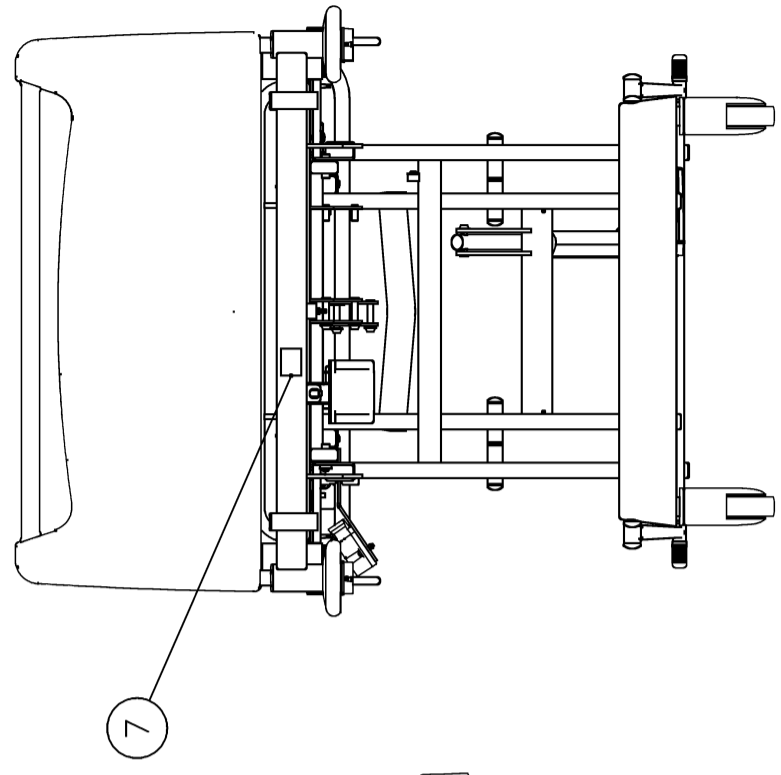
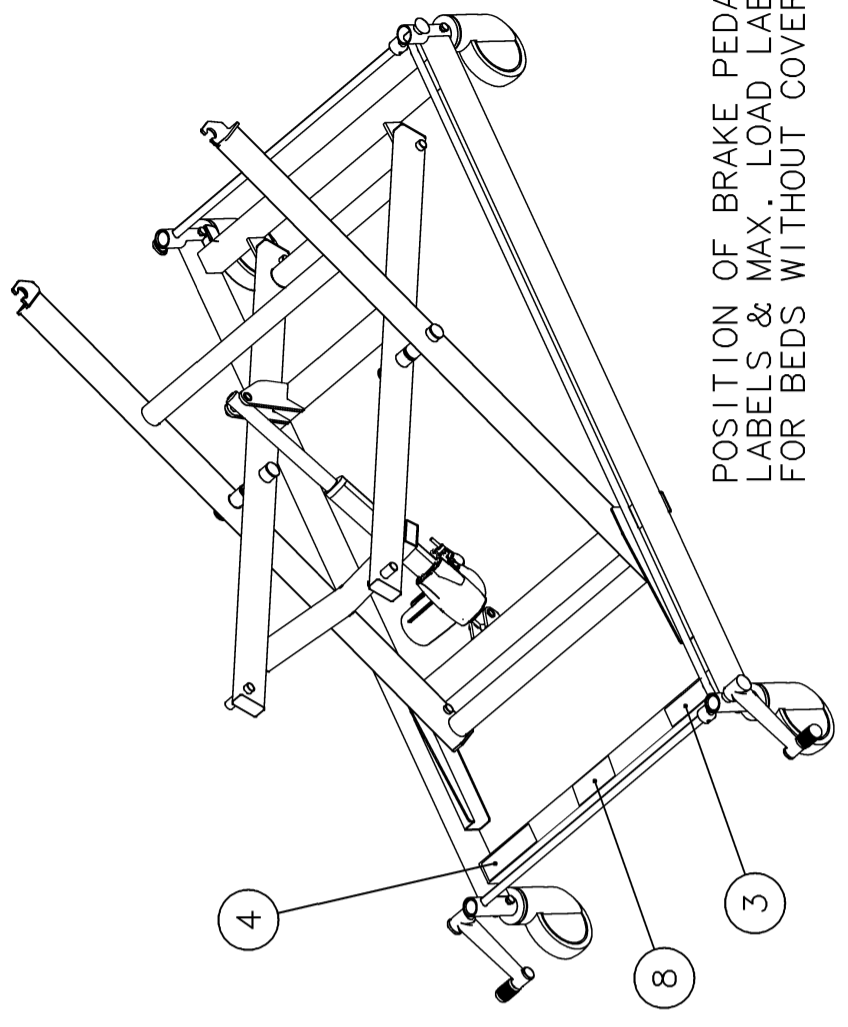
	PRODUCT CONTOURA 370/380/390	SHEET No 05
	TITLE LABEL MODULE	ISSUE 2

DRWG NO

819.107etc



POSITION OF BRAKE PEDAL LABELS & MAX. LOAD LABEL FOR BEDS WITHOUT COVERS.



POSITION OF BRAKE PEDAL LABELS & MAX. LOAD LABEL FOR BEDS WITH WOOD SURROUNDINGS.



**HUNTLEIGH
NESBIT EVANS**

PRODUCT

CONTOURA 370/380/390

1 of 1

SHEET No

05

DRWG NO

819.107etc

TITLE

LABEL MODULE

ISSUE 2

I T E M	PART No	Q T Y	DESCRIPTION	370	380	390	
				819.107	819.108	819.138	
1	-----	1	Product Identification Label	819.109	819.110	819.139	
2	-----	1	Logo Label	805.607	805.607	805.607	
3	805.367	1	Pedal Label LH				
4	805.368	1	Pedal Label RH				
5	788.889	2	CPR Label				
6	-----	1	20kgSWL Part of Label on c/box				
7	731.170	1	Equipotential Label				
8	-----	1	180kg Max. Load Label	805.769			
9	-----	1	230kg Max. Load Label		819.111	819.111	
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Huntleigh Healthcare
Nesbit Evans Products Division

PRODUCT

CONTOURA
370/380/390

SHEET NO

06

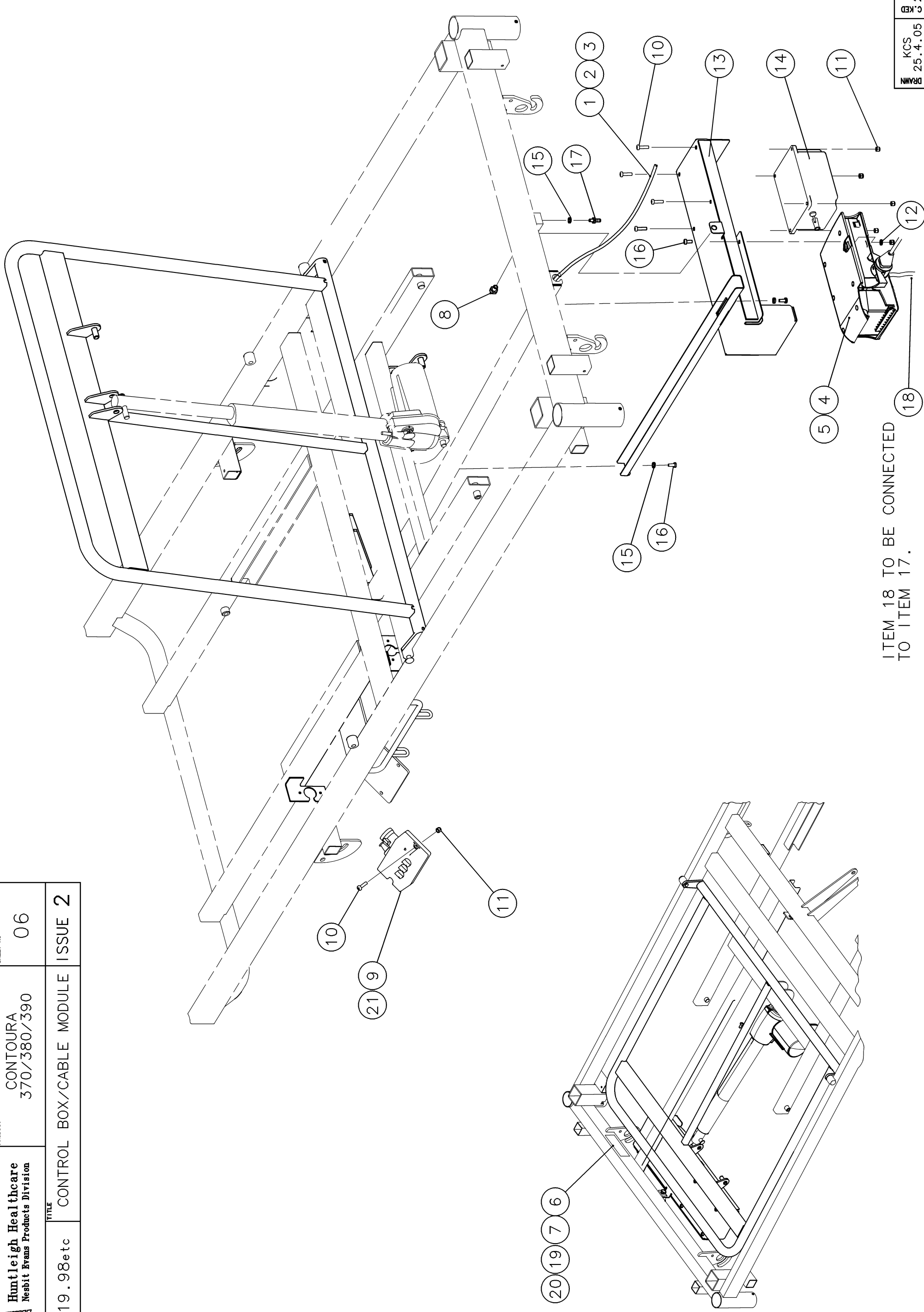
DWG NO

819.98etc

TITLE

CONTROL BOX/CABLE MODULE

ISSUE 2




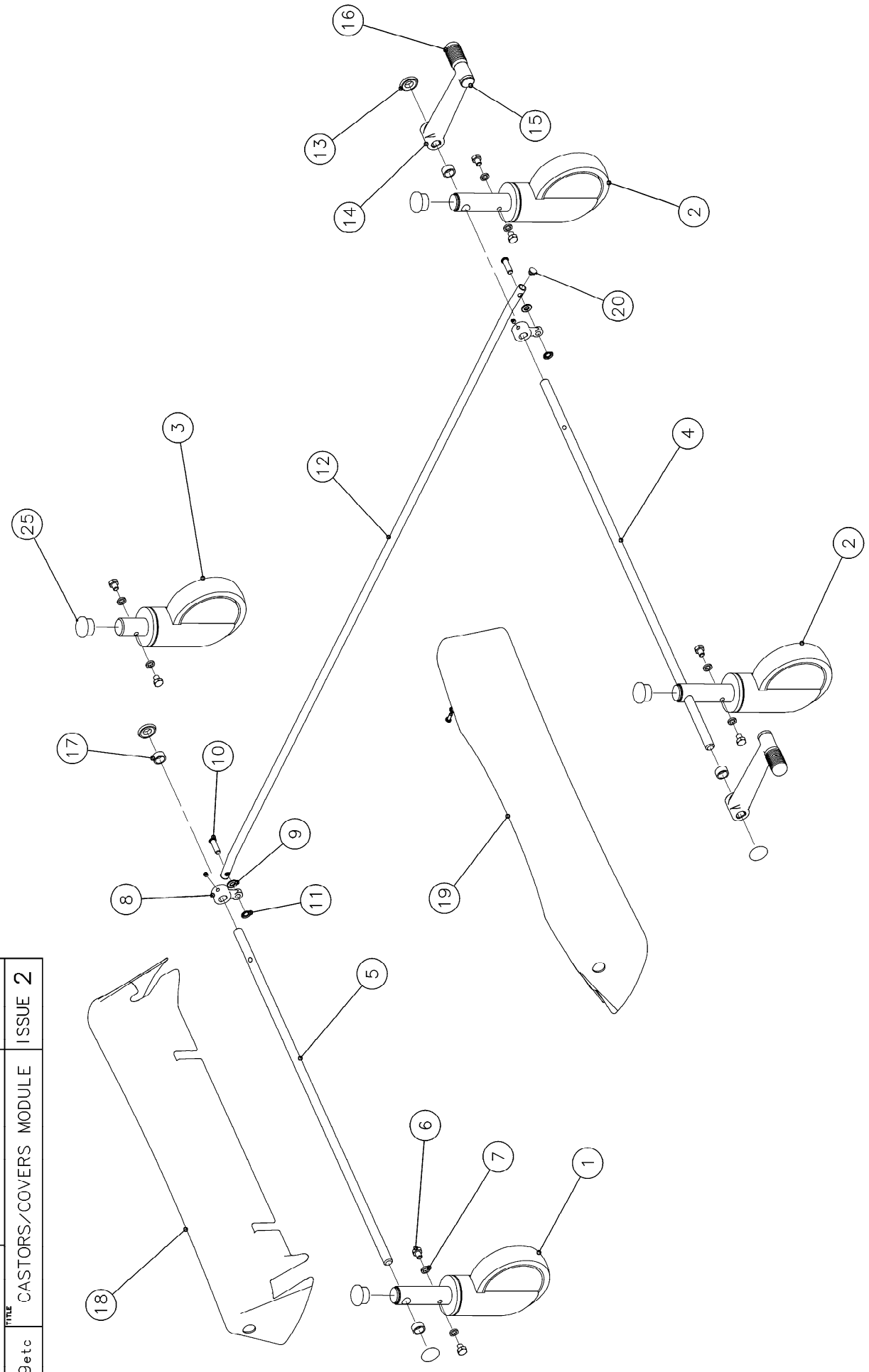
ITEM 18 TO BE CONNECTED
TO ITEM 17.

BRN
25.4.05


KCS
25.4.06

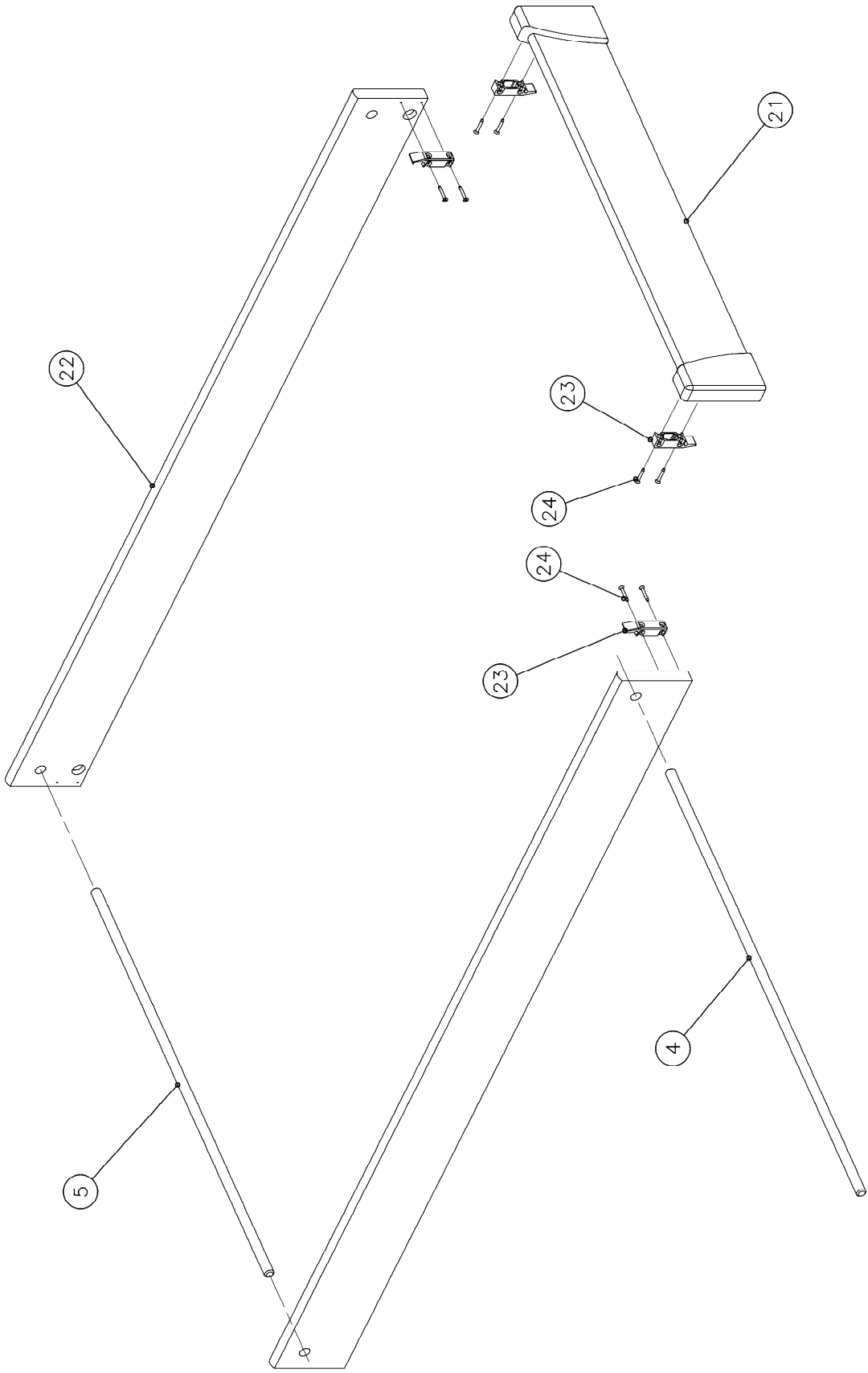
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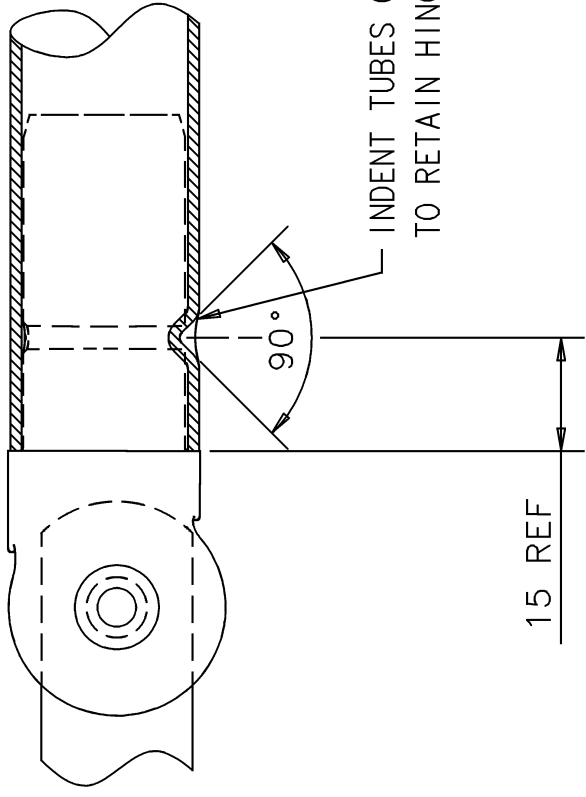
 Huntleigh Healthcare Nesbit Evans Products Division	PRODUCT CONTOURA 350/360/P30	SHEET No 07
	TITLE CASTORS/COVERS MODULE	ISSUE ISSUE 2



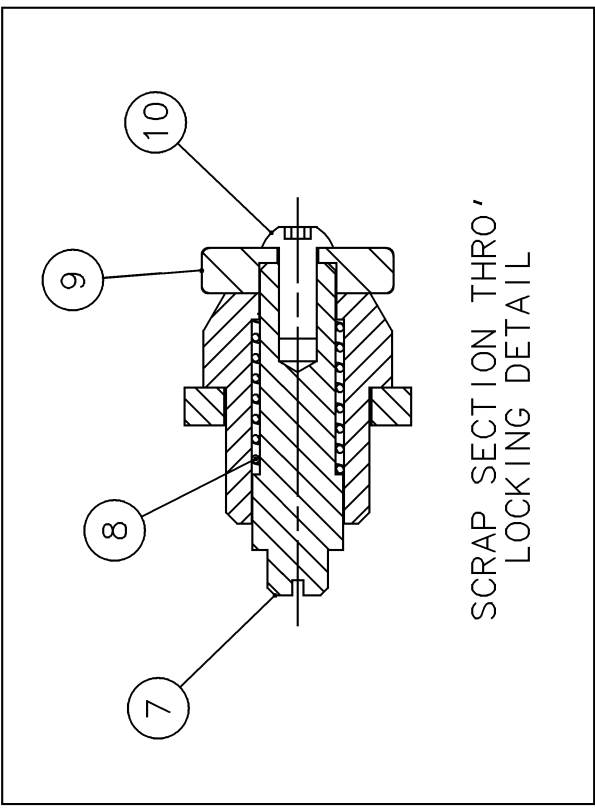
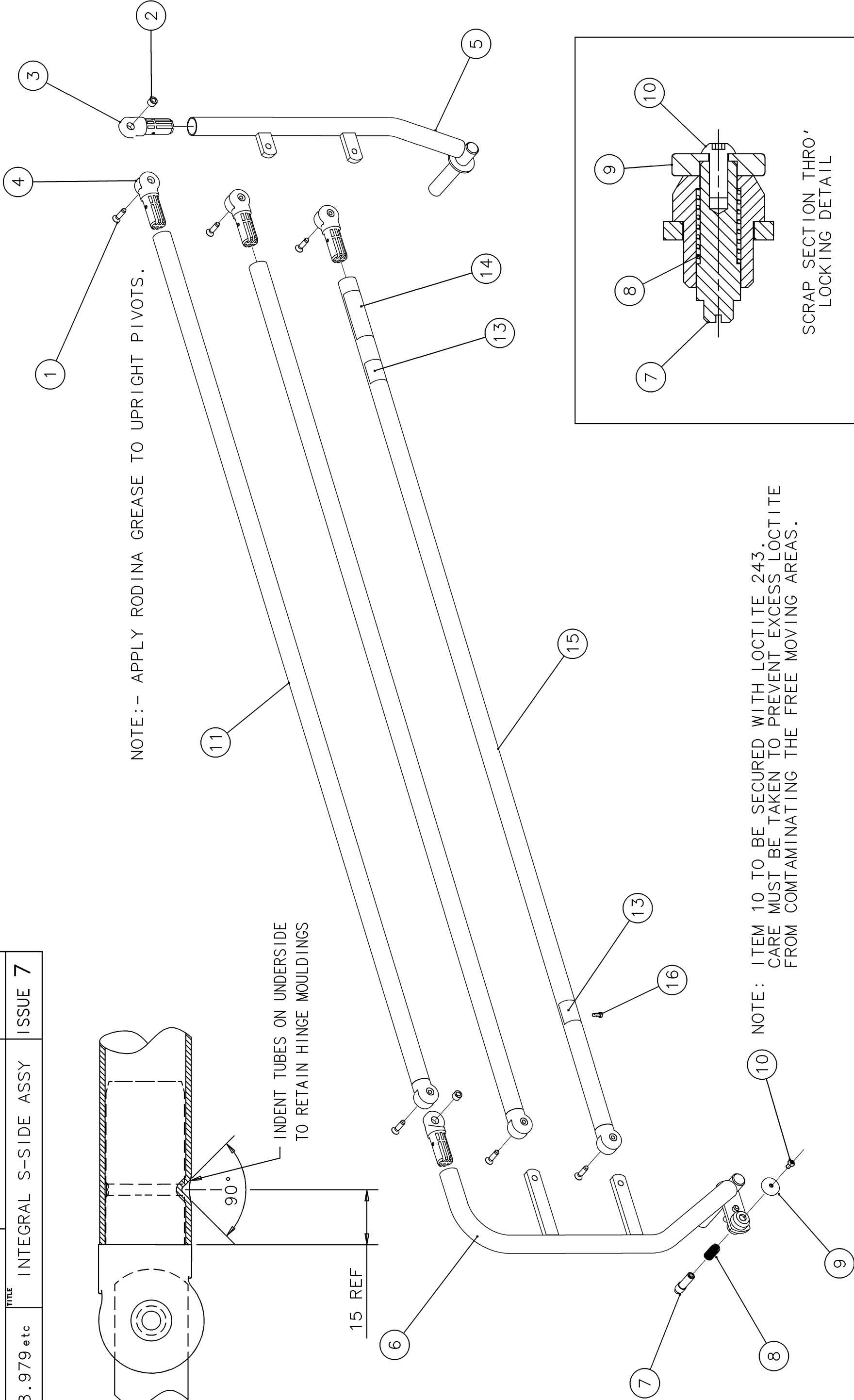
NOTE: - SEE SHEET 2 FOR WOOD SURROUND DETAILS.

 Huntleigh Healthcare Nesbit Evans Products Division	PRODUCT CONTOURA 350/360/P30	SHEET No 07
	788.869etc	TITLE CASTORS/COVERS MODULE ISSUE 2






NOTE:- APPLY RODINA GREASE TO UPRIGHT PIVOTS.



NOTE: ITEM 10 TO BE SECURED WITH LOCTITE 243. CARE MUST BE TAKEN TO PREVENT EXCESS LOCTITE FROM CONTAMINATING THE FREE MOVING AREAS.

 HUNTLEIGH NESBIT EVANS		PRODUCT 350/360/P30 BEDS		1 OF 1		SHEET No 08	
DRWG NO 788.979 etc			TITLE SAFETY SIDE MODULE			ISSUE 7	
I T E M	PART No	Q T Y	DESCRIPTION	788.979 INTEGRAL S-SIDES			
				LH 788.980	RH 788.981		
1	S1633	6	Thread Forming Screw ϕ 6x25Lg				
2	805.197	2	Safety-Side Pivot				
3	805.187	2	Male Safety-Side Hinge				
4	805.186	6	Female S-Side Hinge				
5	-----	1	S-Side Upright Fab'n - Head End	788.911	788.912		
6	-----	1	S-Side Upright Fab'n - Foot End	788.900	788.901		
7	788.914	1	S-Side Plunger				
8	734.48	1	Spring				
9	788.915	1	S-Side Knob				
10	S3637	1	M5x10 Socket Button Hd Tuflok Screw				
11	788.920	2	Side Rail				
12							
13	805.386	2	"Refer to User Manual" Label				
14	760.13	2	Accessory Serial Label				
15	819.146	1	Side Lower Rail				
16	S5102	1	Drive Fastener				
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Huntleigh Healthcare
Nesbit Evans Products Division

PRODUCT

CONTOURA
360/370/380/390

SHEET NO

09

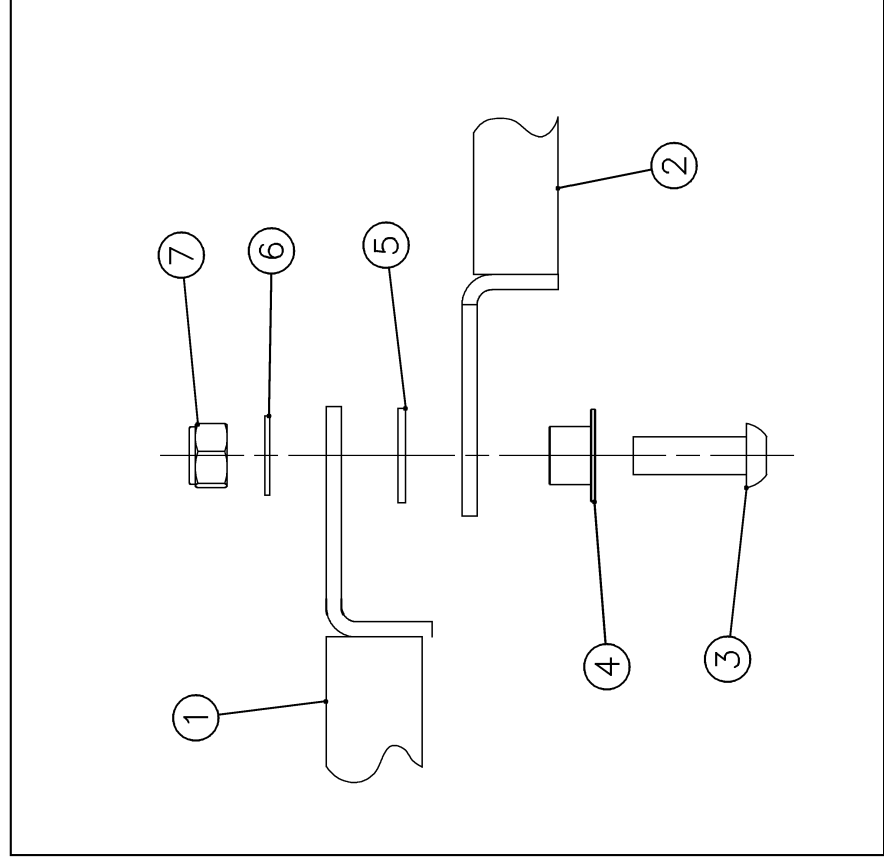
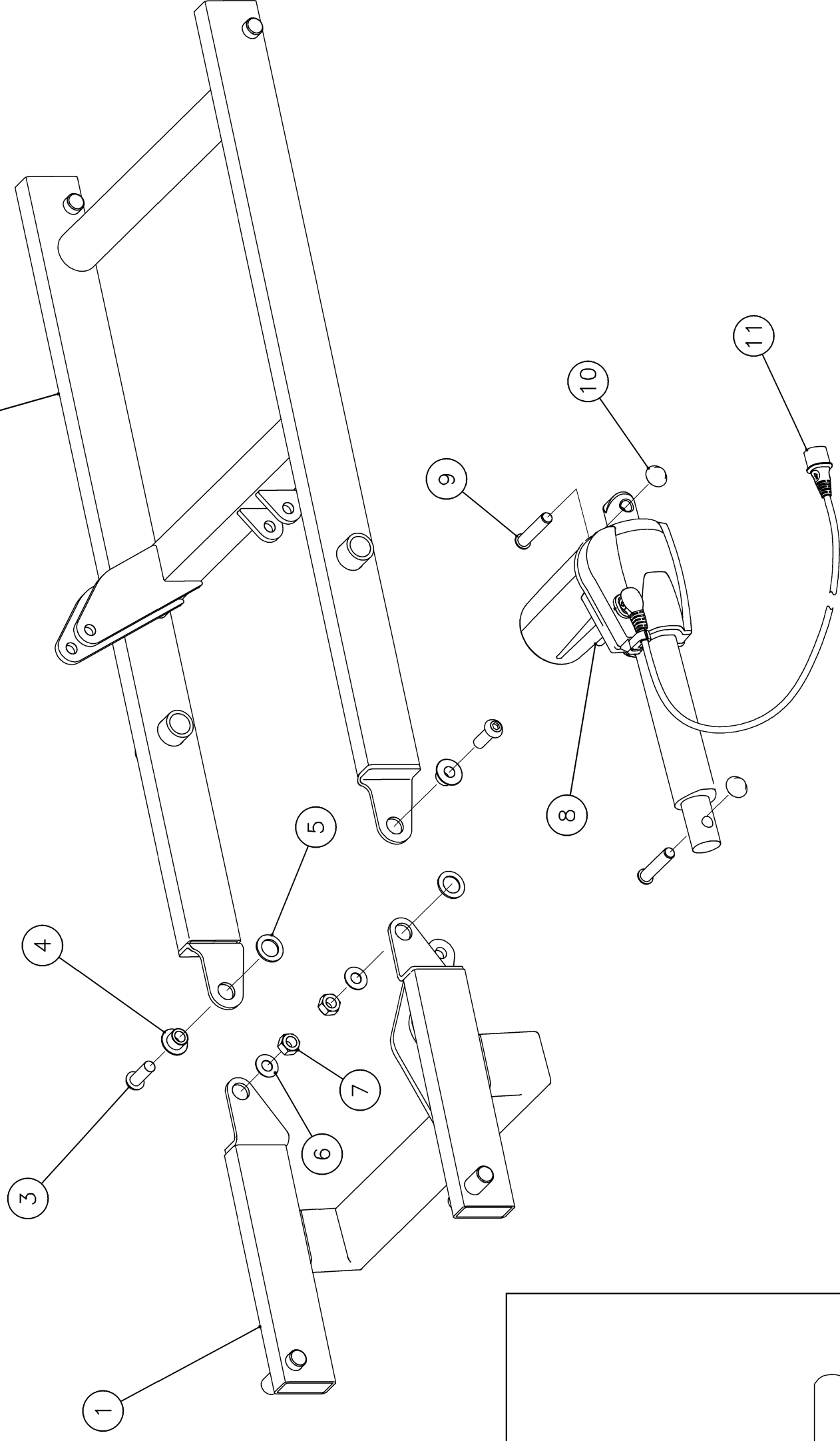
DWG NO

819.04 etc

TITLE

TILT LEG ASSY

ISSUE 4





HUNTLEIGH
NESBIT EVANS

PRODUCT

CONTOURA 360/370/380/390

1 OF 1

SHEET No

09

DRWG NO

819.04 etc

TITLE

TILT LEG ASSY

ISSUE 4

ITEM	PART No	QTY	DESCRIPTION	360 819.04	370, 380 & 390 819.127
1	788.969	1	Tilt Radius Arm Fab'n		
2	788.773	1	Inner Leg Fab'n		
3	S3630	2	Skt Button Hd Screw M10 x 30		
4	713.94	2	Pivot Bush		
5	713.105	2	Spacing Washer		
6	S1819	2	M10 Washer		
7	S1408	2	M10 Nyloc Nut		
8	S9081	1	Tilt Actuator		
9	S3840	2	Clevis Pin ϕ 10 x 50		
10	S4834	2	Capped Starlock ϕ 10		
11	-----	1	Actuator Cable	819.08	819.125
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**HUNTLEIGH
NESBIT EVANS**

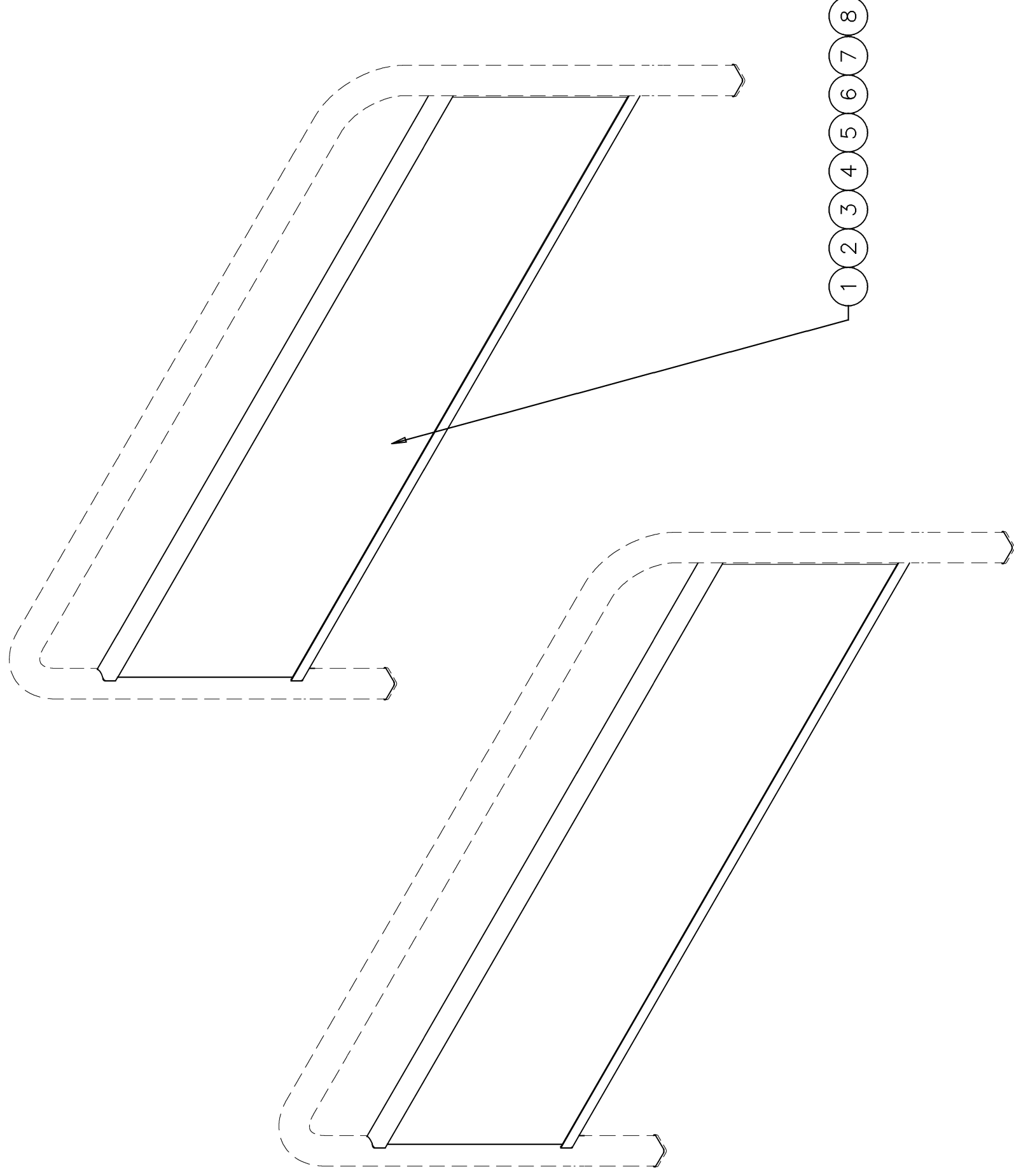
PRODUCT
MODULAR BED

SHEET NO
55

805.427 etc

TITLE
CHROME & PAINTED BOW
PANEL MODULE

ISSUE 5





**HUNTLEIGH
NESBIT
EVANS**

PRODUCT

MODULAR BED

SHEET NO

57

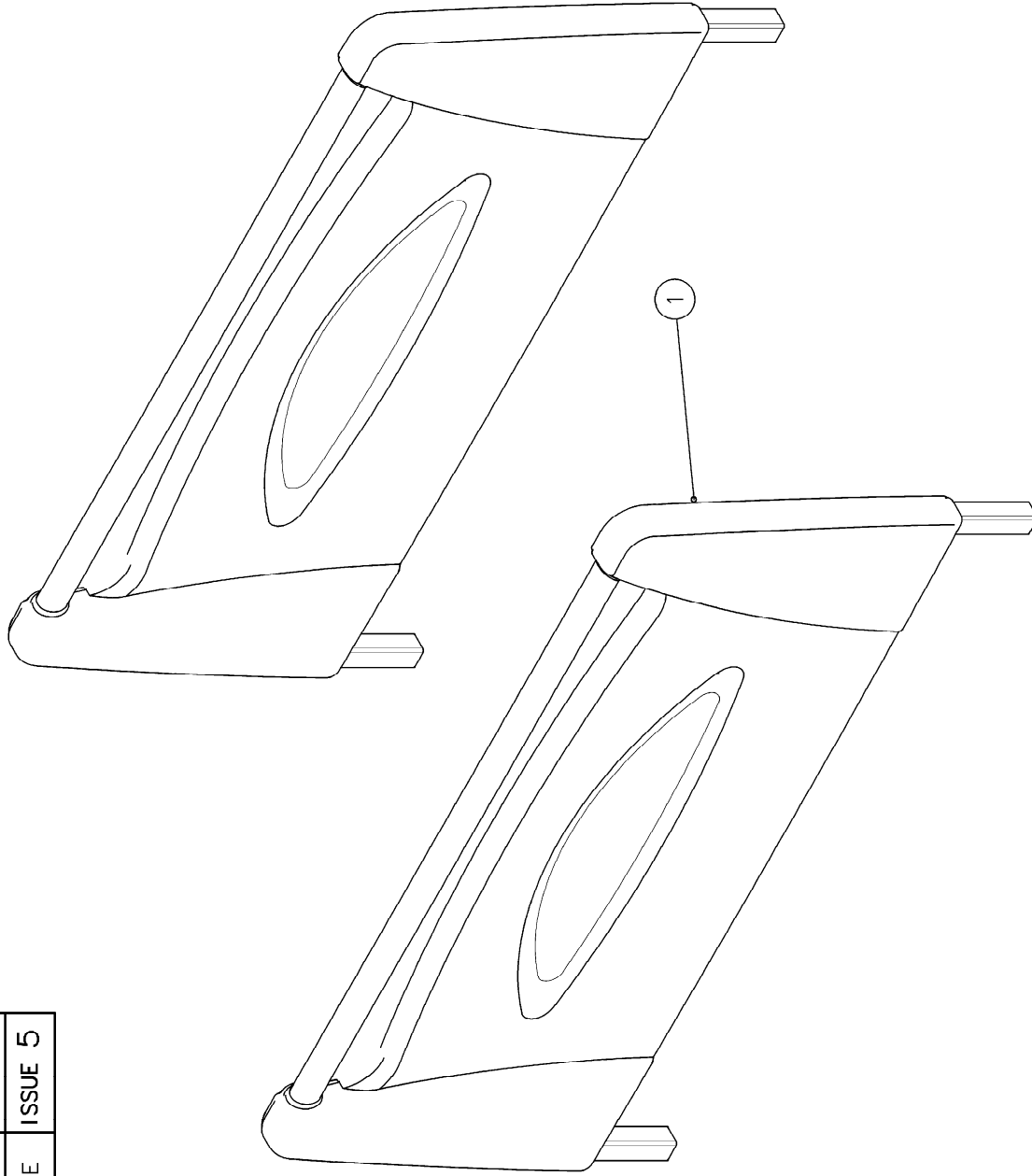
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805.393 etc

FILE

MOULDED PANEL MODULE

ISSUE 5

ISSUE 5





**HUNTLEIGH
NESBIT EVANS**

PRODUCT

MODULAR BED

1 of 1

SHEET No
57

DRWG NO

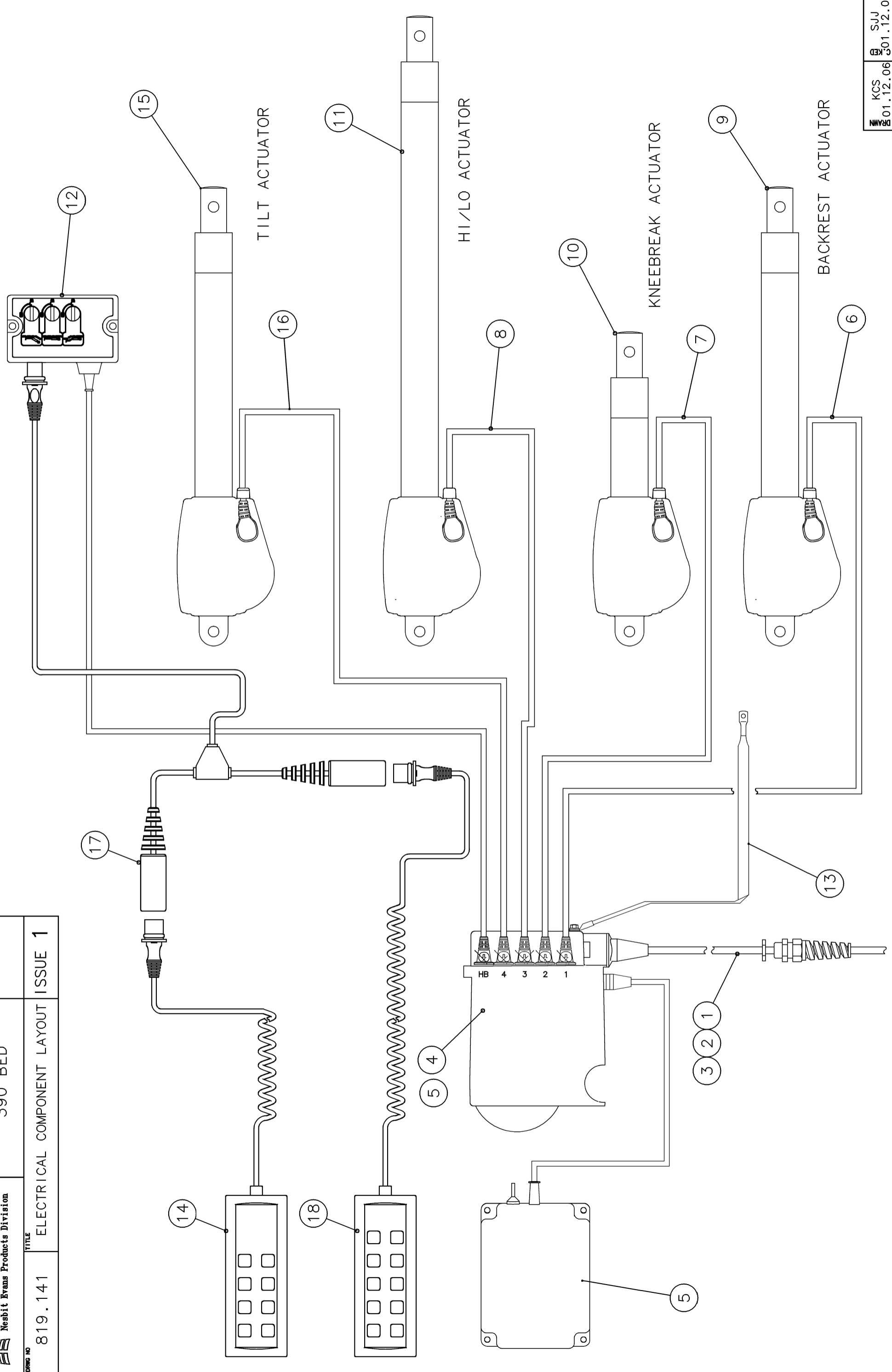
805.393 etc


TITLE

MOULDED PANEL MODULE

ISSUE 5

I T E M	PART No	Q T Y	DESCRIPTION	CHROMED		PAINTED	
				805.393	805.433 FRENCH	805.935	805.936 FRENCH
1	-----	2	Moulded Panel Assy	805.290	805.417	805.933	805.934
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 HUNTLEIGH NESBIT EVANS	PRODUCT	390 BED	1 OF 1	SHEET No
	DRWG NO	TITLE	ISSUE 1	
819.141		ELECTRICAL COMPONENT LAYOUT		

ITEM	PART No	QTY	DESCRIPTION
1	-----	1	230V Mains Lead UK Plug (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
2	-----	1	230V Mains Lead Euro Plug (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
3	-----	1	120V Mains Lead AM Plug (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
4	-----	1	Control Box CB6 230V (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
5	-----	1	Battery Box (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
6	-----	1	Backrest Actuator Cable (SEE EXTENDING DECK ASSY MODULE 819.94)
7	-----	1	Kneebreak Actuator Cable (SEE EXTENDING DECK ASSY MODULE 819.94)
8	-----	1	Hi/Lo Actuator Cable (SEE TILT BASE ASSY MODULE 788.957)
9	-----	1	Backrest Actuator (SEE EXTENDING DECK ASSY MODULE 819.94)
10	-----	1	Kneebreak Actuator (SEE EXTENDING DECK ASSY MODULE 819.94)
11	-----	1	Hi/Lo Actuator - 390 (SEE TILT BASE ASSY MODULE 788.957)
12	-----	1	Mini ACP (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
13	-----	1	Earth Bonding Strap (SEE C.BOX/CABLE MOD.819.98 SHT 1 OF 1)
14	-----	1	Patient Handset (SEE TILT BASE ASSY MODULE 788.957)
15	-----	1	Tilt Actuator (SEE TILT LEG ASSY 819.04)
16	-----	1	Tilt Actuator Cable (SEE TILT LEG ASSY 819.04)
17	-----	1	T-piece Cable (SEE TILT BASE ASSY MODULE 788.957)
18	-----	1	Nurse Handset (SEE TILT BASE ASSY MODULE 788.957)
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