

Posey® Bed 8070 Assembly Instructions



Posey Bed 8070 shown with
Invacare modified SC900DLX bed

Only for Invacare SC900DLX Bed, and
Invacare modified SC900DLX for the Posey Bed

Rx ONLY U.S. Patent No.7,735,167



Table of Contents

| | |
|--|--------------|
| Introduction | 3 |
| Specifications | 4 |
| General Information | 5 |
| Installation | 5 |
| Bed Assembly | 6-19 |
| Unpacking the Parts | 6 |
| Caster Leg Frame Assembly | 7 |
| Transfer Brake Assembly | 8-9 |
| Frame Assembly – Posts | 10-11 |
| Frame Assembly – Rails | 12-13 |
| Foam Pad Assembly | 14 |
| Canopy Installation | 15 |
| Canopy Head End Flap Installation | 16 |
| Mattress Installation | 17 |
| Power Cord Attachment | 18 |
| Assembly Check | 19 |
| 8070 Replacement Parts | 20 |
| Posey Limited Warranty | 21 |
| Technical Service from Posey | 22 |
| Guidance and Manufacturer’s Declaration | 23-26 |
| Notes | 27 |

Introduction

SAFETY INSTRUCTIONS

The Posey Bed Assembly Instructions include important instructions and information related to the assembly of the bed. It is important to read the Assembly Instructions carefully prior to assembly of the bed for the first time.

In order to ensure safe assembly, the operator must always comply with the instructions and warnings contained in the Assembly Instructions.

NOTE: The protective devices installed on both the Posey Bed and the accessories may neither be removed nor modified.

SAFETY PRECAUTIONS

Warnings, cautions, and notes are provided throughout this manual to indicate levels of potential hazards or helpful information as defined below.

⚠ WARNING

Indicates a safety hazard or unsafe practice, which, if not avoided, could result in serious injury or death.

⚠ CAUTION

Indicates a potential hazard in which failure to follow instructions may result in minor or moderate injury to the patient or caregiver or damage to the Posey Bed.

NOTE

Indicates a reminder or other helpful information to make bed assembly easier and more efficient.

NEED HELP?

Please call Posey Customer Support at 1.800.447.6739 between 6:00 am and 5:00 pm Pacific time if additional help is required. You can also contact an authorized Posey Bed dealer.

Specifications for Invacare SC900DLX Bed or Invacare modified SC900DLX for the Posey Bed

| Power Supply Requirements | |
|---------------------------|-------------------------------------|
| Model | Posey Bed 8070 |
| Rated voltage and current | 120 VAC |
| Frequency | 50-60 Hz |
| Current Rating | 3.5 Amps max |
| Classification | Class II, Type B (double insulated) |
| Mode of Operation | 10% maximum duty cycle |

| Dimensions | |
|--------------------------------|---------------------------------|
| Inches (highest position) | 84.25(W) x 40.875(D) x 73.25(H) |
| Centimeters (highest position) | 214(W) x 104(D) x 186(H) |
| Inches (lowest position) | 84.25(W) x 40.875(D) x 62.75(H) |
| Centimeters (lowest position) | 214(W) x 104(D) x 159(H) |
| Area: sleep surface | 19.5 square feet |
| Volume inside | 70 cubic feet (2 cubic meters) |
| Maximum back angle | 65° to horizontal |
| Maximum knee angle | 35° to horizontal |
| Maximum knee to leg angle | 45° to horizontal |

| Unit Weight | |
|-------------------|-------------------|
| Canopy and frame | 86 lbs (39 kgs) |
| Mattress | 20 lbs (9 kgs) |
| Invacare platform | 150 lbs (68 kgs) |
| Assembled bed | 256 lbs (116 kgs) |

OPERATING CONDITIONS

The Posey Bed is designed for use in normal indoor environments.

STORAGE CONDITIONS

The Posey Bed may be stored in ambient warehouse temperatures at normal humidity levels. Avoid excess moisture or high humidity that may damage product materials.

SAFE WORKING LOAD

Weight limitations: 450 lbs (205 kgs), includes all accessories, mattress and canopy.

REGULATORY LISTING

⚠ WARNING

UL 60601-1, IEC 60601-2-38, IEC 60601-1-2

- “MEDICAL ELECTRICAL EQUIPMENT needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual.”
- “Portable and mobile RF communications equipment can affect MEDICAL ELECTRICAL EQUIPMENT.”
- “The use of accessories, transducers and cables other than those specified by Posey Products, LLC, may result in increased EMISSIONS or decreased IMMUNITY of the Posey Bed 8070.”
- “This Posey Bed 8070 should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the Posey Bed 8070 should be observed to verify normal operation in the configuration in which it will be used.”

General Information

This section provides detailed installation and setup instructions for the Invacare SC900DLX Bed or Invacare modified SC900DLX for the Posey Bed. The installation steps must be followed correctly to ensure proper operation and service. Read these Assembly Instructions carefully before attempting to assemble the bed. Follow all instructions carefully.

Select a place where sufficient clearance can be provided around the bed. Ample working space is necessary around and above the bed.

The bed is heavy and large; therefore, it is strongly recommended that a second person assist with the assembly of the Posey Bed 8070 to provide stability and to help prevent injury. The bed assembly portion requires two people.

Installation

PROCEDURE

Gather assembly tools not included in the boxes.

| Check | Quantity | Tool |
|--------------------------|----------|---------------------------------------|
| <input type="checkbox"/> | 1 | Box cutter |
| <input type="checkbox"/> | 2 | 7/16" combination wrenches or sockets |
| <input type="checkbox"/> | 2 | 9/16" combination wrenches or sockets |
| <input type="checkbox"/> | 1 | 1/4" Allen wrench |
| <input type="checkbox"/> | 1 | 3/16" Allen wrench |
| <input type="checkbox"/> | 1 | #1 Phillips head screwdriver |

Unpacking the Parts

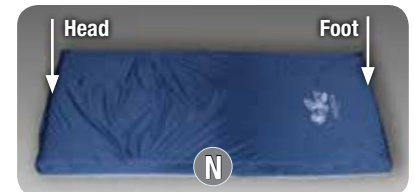
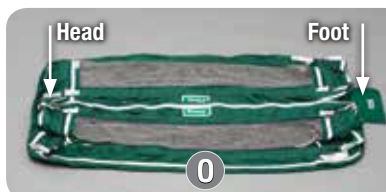
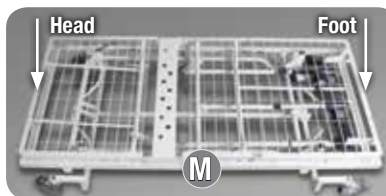
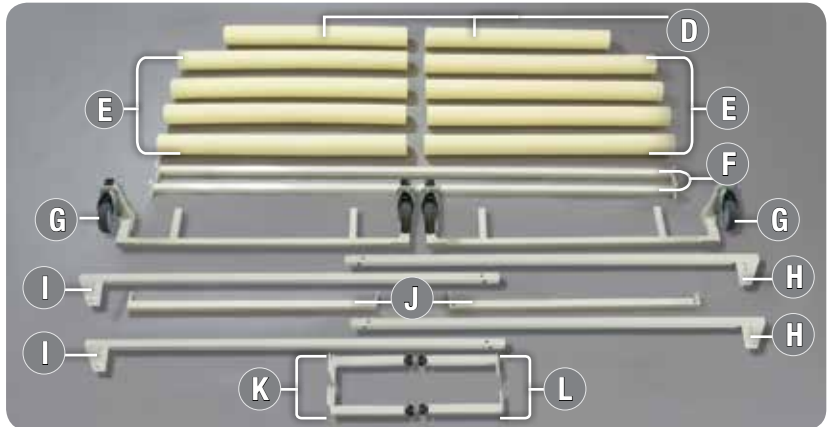
Confirm that all parts have been included with the bed. If any items are missing or damaged, please contact Posey Technical Service at 1.800.447.6739.

See page 20 for a complete list of order numbers for replacement or missing parts.

| Check | Part | Qty. | Tool |
|--------------------------|------|------|---|
| <input type="checkbox"/> | A | 1 | Hardware packet- 1" bolt and lock washers (12 ea.) |
| <input type="checkbox"/> | B | 1 | Hardware packet- 5/16"-18 x 1" split washers and nuts (8 ea.) |
| <input type="checkbox"/> | C | 1 | Phillips head bolts (8 ea.) and nuts (6 ea.) |



| Check | Part | Qty. | Description |
|--------------------------|------|------|---|
| <input type="checkbox"/> | D | 2 | Short foam canopy pads |
| <input type="checkbox"/> | E | 8 | Long foam canopy pads |
| <input type="checkbox"/> | F | 2 | Long side rails |
| <input type="checkbox"/> | G | 2 | Caster leg frames |
| <input type="checkbox"/> | H | 2 | Right head, left foot post |
| <input type="checkbox"/> | I | 2 | Left head, right foot post |
| <input type="checkbox"/> | J | 2 | Short side rails |
| <input type="checkbox"/> | K | 2 | Head transfer brakes |
| <input type="checkbox"/> | LL | 1 | Foot transfer brake, left |
| <input type="checkbox"/> | LR | 1 | Foot transfer brake, right |
| <input type="checkbox"/> | M | 1 | Bed frame, Invacare model #SC900DLX, or modified SC900DLX |
| <input type="checkbox"/> | N | 1 | Triple-ply therapeutic foam mattress |
| <input type="checkbox"/> | O | 1 | Posey Bed canopy |



Caster Leg Frame Assembly

MATERIALS:

- Part G (2)
- 3/16" Allen wrench

NOTE: Bed assembly should be done near an appropriate AC electrical outlet to assist with assembly.

1. Lay the bed frame (Part M) on the floor, upside down (Fig. 2-A).

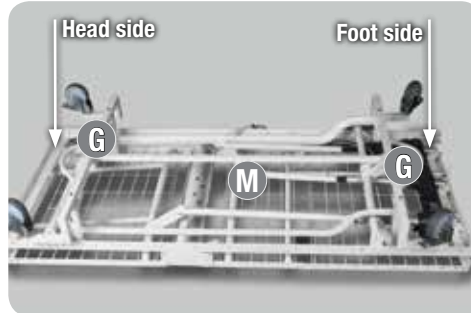


Fig. 2-A

2. Insert the caster leg frame (Part G) into the wheel receiver at the foot of the bed frame. Press firmly to seat the caster leg frame (Part G) completely down into the wheel receiver (Fig. 2-B).

Tighten the Allen screws on the caster leg frame at the foot of the bed (Allen screws are included on the caster leg frame).

CAUTION DO NOT over tighten.



Fig. 2-B

3. Insert the caster leg frame (Part G) into the wheel receiver at the head of the bed frame. Press firmly to seat the caster leg frame (Part G) completely down into the wheel receiver (Fig. 2-C).

Tighten the Allen screws on the caster leg frame at the head of the bed (Allen screws are included on the caster leg frame).

CAUTION DO NOT over tighten.

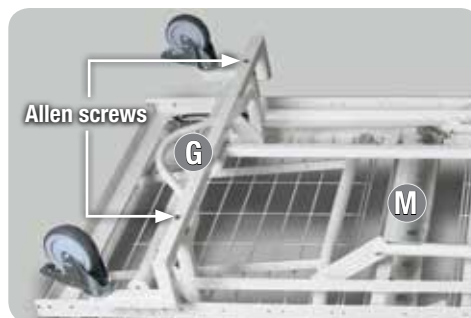


Fig. 2-C

Transfer Brake Assembly

MATERIALS:

- Hardware packet C
- Parts K (2), LL (1), LR (1)
- 7/16" wrench (1)
- #1 Phillips head screwdriver (1)

1. Turn the bed assembly upright, and lock all four casters by pressing down on the lock on each caster (Fig. 3-A).

CAUTION Turning the bed upright requires two people.

NOTE: The bed platform cannot be raised, lowered or articulated unless the power cord is plugged into an appropriate grounded AC electrical outlet. Locate the control pad in the packaging under the bed frame to raise and articulate the frame.

NOTE: Raise the head of the bed for easier access (Fig. 3-B) with the bed control (Fig. 3-C).



Fig. 3-A



Fig. 3-B



Fig. 3-C

2. Align the two holes on the transfer brake (Part K) with the two holes on the head end of the bed frame.

NOTE: Make sure the holes in the brake are aligned with the holes in the bed frame (Fig. 3-D).



Fig. 3-D

3. Insert the screw (Hardware packet C) into the threaded hole that fits directly into the transfer brake (Fig. 3-E). Use a screwdriver to tighten (Fig. 3-F).



Fig. 3-E



Fig. 3-F

Transfer Brake Assembly (Continued)

4. Insert the second screw and locking nut into the unthreaded second hole (Fig. 3-G). Use a screwdriver and wrench to tighten (Fig. 3-H).

CAUTION DO NOT over tighten.



Fig. 3-G



Fig. 3-H

5. Align the two holes on the foot transfer brakes (Part LL) with the two holes on the foot end of the bed frame (Figs. 3-I, 3-J).

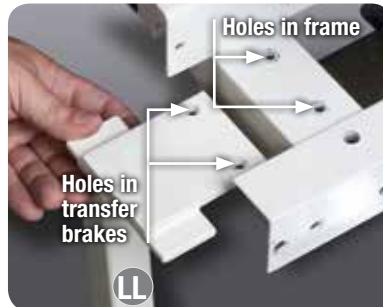


Fig. 3-I



Fig. 3-J

6. Insert the screws and locking nut into the holes (Fig. 3-K). Use a screwdriver and wrench to tighten (Fig. 3-L).

7. Repeat steps 5-6 for part LR.

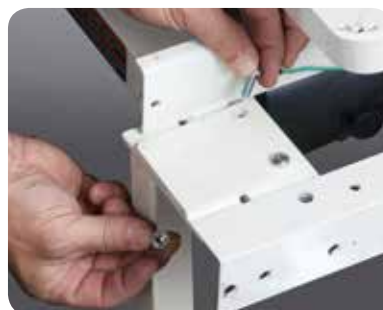


Fig. 3-K



Fig. 3-L

Frame Assembly – Posts

MATERIALS:

- Hardware packet B
- Parts H, I (2 ea.)
- 7/16" wrench
- 1/4" Allen wrench

NOTE: The frame assembly consists of distinct left and right posts for both the head and foot of the bed frame. Each post is labeled with a letter for easy assembly. Reference the Posey Bed frame location to assist with assembly (Fig. 4-A).

CAUTION Frame assembly requires two people to provide stability and to help prevent injury.

NOTE: Use the control pad to elevate the head and knee portions of the frame for easier assembly.

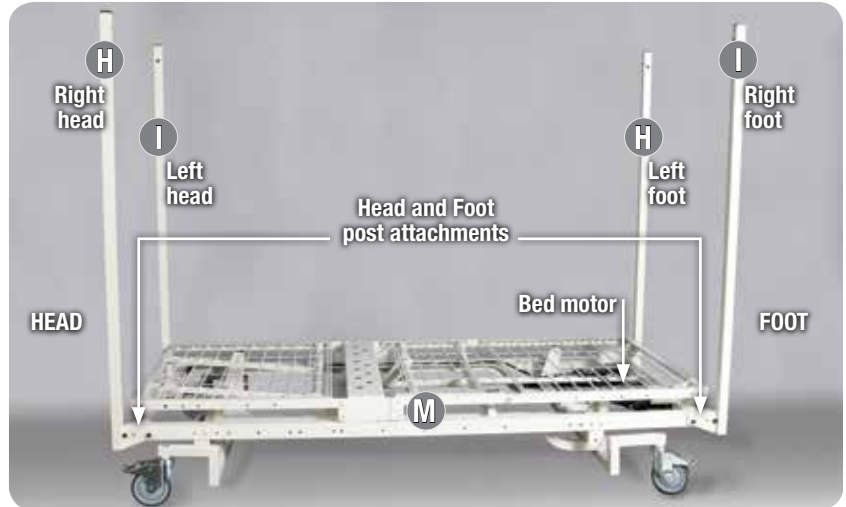


Fig. 4-A

Head Posts

1. Align the head posts (Parts H, I) with the holes on the frame located at the head of the bed.

NOTE: Make sure the holes on the posts face inward and toward the center (Fig. 4-B).

2. Insert an Allen screw and lock washer into each hole.

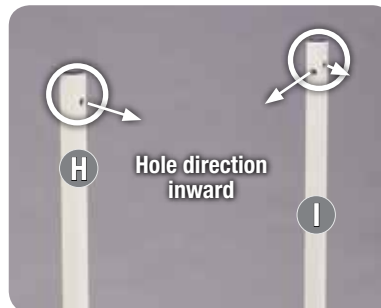


Fig. 4-B

3. Place a locking nut onto the allen screw. Tighten screws using an Allen wrench and wrench (Figs. 4-C, 4-D).

CAUTION DO NOT over tighten.



Fig. 4-C



Fig. 4-D

Frame Assembly – Posts (Continued)

Foot Posts

1. Align the foot posts (Parts H, I) with the holes on the frame located on the foot of the bed.

NOTE: Make sure the holes on the posts face inward and towards the center (Fig. 4-E).

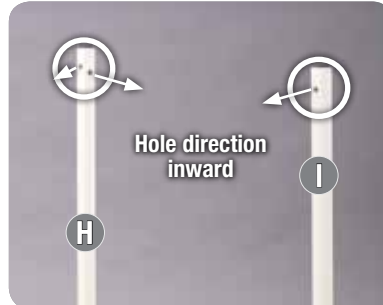


Fig. 4-E

2. Insert an Allen screw and lock washer into each hole.
3. Place a locking nut onto the Allen screw. Tighten screws using an Allen wrench and wrench (Figs. 4-F, 4-G).

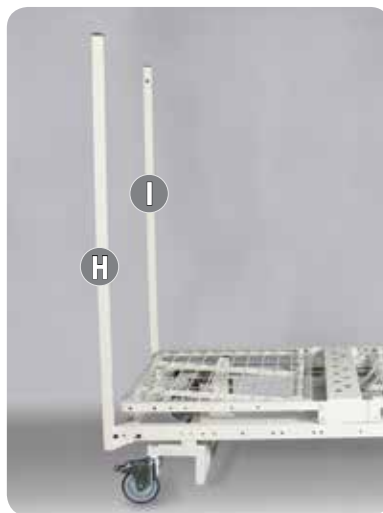
CAUTION DO NOT over tighten.



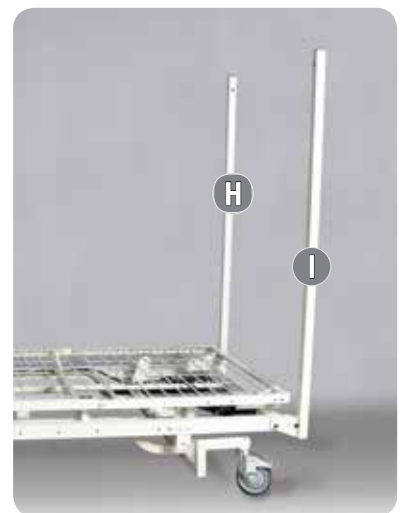
Fig. 4-F



Fig. 4-G



Completed head post assembly



Completed foot post assembly

Frame Assembly – Rails

Short Rail Assembly

MATERIALS:

- Hardware packet A
- Part J (2)
- 9/16" wrench

CAUTION This section requires two people.

1. Hold and align one of the short rails (Part J) between the left and right head posts (Parts H, I).

NOTE: Make sure the holes on the posts face inward on both sides of the frame (Fig. 5-A).

2. Place a locking washer on two (2) 1" bolts (Hardware packet A) and insert one into the hole facing the inside of the post (Fig. 5-B).
3. Hand tighten the bolts loosely until all rails are installed.
4. Repeat on the other side of the rail. Repeat with the second short rail between the left and right foot posts (Parts H, I).



Fig. 5-A

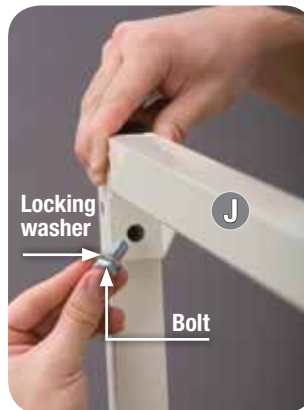


Fig. 5-B

Long Rail Assembly

MATERIALS:

- Hardware packet A
- Part F (2)
- 9/16" wrench

CAUTION This section requires two people.

1. Hold and align one of the long rails (Part F) between the left head and left foot posts (Parts H, I) (Fig. 5-C).
2. Place a locking washer on four (4) 1" bolts (Hardware packet A) and insert one into each hole of the corner connection (Fig. 5-D).
3. Hand tighten the bolts loosely until all rails are installed (Fig. 5-E).

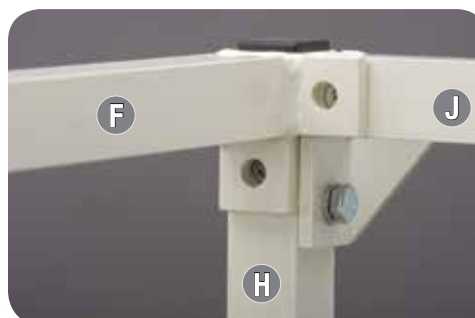


Fig. 5-C

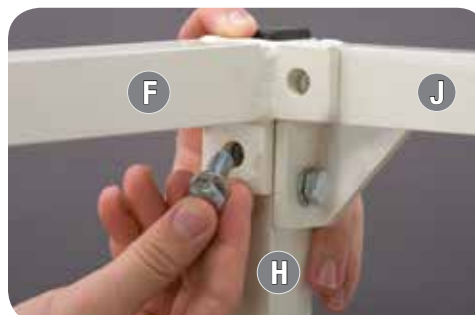


Fig. 5-D



Fig. 5-E

Frame Assembly – Rails (Continued)

Long Rail Assembly (continued)

4. Repeat on the other side of the rail.
5. Repeat with the second long rail between the right head and right foot posts (Parts H, I).
6. Tighten all bolts (short and long rails) with a 9/16" wrench until there is resistance (Fig. 5-F).
7. Gently hand shake each vertical post and top rails to ensure the bolts are securely fastened.

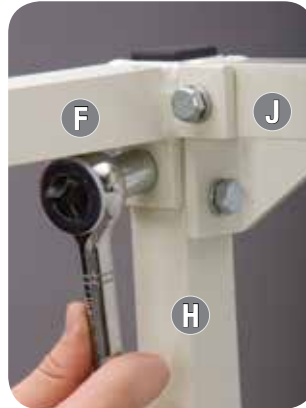


Fig. 5-F

NOTE: Use the bed control pad to lower head and knee to the flat position (Fig. 5-G).



Fig. 5-G

8. The frame assembly is complete (Fig. 5-H).

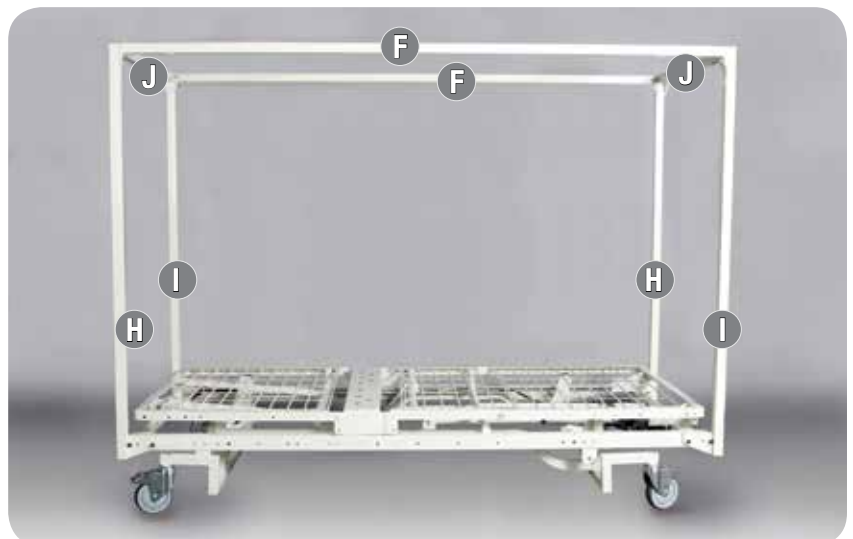


Fig. 5-H

Foam Pad Assembly

MATERIALS:

Parts D (2), E (8)

1. Open the slot on a short foam pad (Part D) and wrap around the short rail at either the head or foot of the bed (Fig. 6-A).

NOTE: Make sure that the slot faces outward, away from the bed frame.

2. Repeat with the other short foam pad on the other side of the bed (Fig. 6-A).

3. Open the slot on a long foam pad (Part E-2 each) and wrap two pads around either long rail (Fig. 6-B).

NOTE: Make sure that the slot faces outward, away from the bed frame.

4. Repeat with the other long foam pad on the other side (Fig. 6-B).

5. Open the slot on a long foam pad (Part E) and wrap around on any of the vertical leg posts (Fig. 6-C).

CAUTION Make sure that the slot faces outward from the bed frame.

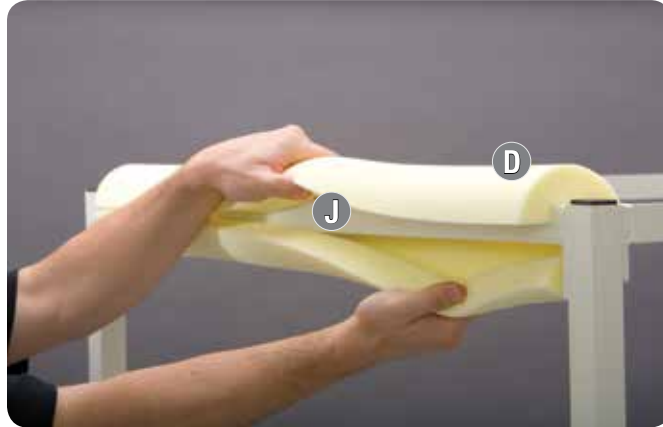


Fig. 6-A

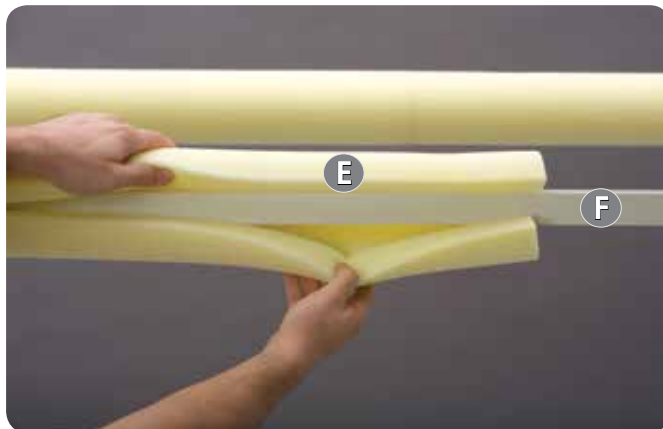


Fig. 6-B

6. Repeat on the other three vertical posts until all are padded.



Fig. 6-C

Canopy Installation

MATERIALS:

- Part 0 (1)
- Assembled bed frame

⚠ WARNING When zipping the canopy, make sure the zipper pins are completely seated. Failure to do this will prevent the zipper from closing securely, which may lead to unassisted bed exit and potential patient injury.

⚠ CAUTION To avoid damage to zippers or fabric, be sure to pull the fabric closed as each panel is fully zipped (Figs. 7-A, 7-B).

1. Unfold the canopy on the bed.

⚠ CAUTION ALWAYS orient the canopy so the instruction storage pocket is at the foot of the bed (Fig. 7-C).

2. Release corner covers.
3. Unzip all four vertical rail zippers.

4. Beginning with one corner leg, wrap the canopy around the foam, making sure that the foam is positioned toward the top of the frame (Fig. 7-D).

5. Pull the canopy material together and zip only half-way up (Fig. 7-D).

NOTE: Zipping half-way assists with the installation of the top portion of the canopy.

6. Repeat on the other three sides until the corner legs are covered.

NOTE: Ensure the zipper pins are seated properly (Fig. 7-B).

7. Unzip all horizontal rail zippers – both the long and short sides.

8. Beginning with one long side, wrap the top rail section around the foam, pull the canopy material together and zip (Fig. 7-E).

NOTE: Ensure the zipper pins are seated properly (Fig. 7-B).

9. Repeat on the other three sides until the long and short side rails are covered.

10. Secure each corner cover with the hook-and-loop fastener.

11. Conduct a visual check to make sure that no foam is visible and that all zipper teeth are engaged.



Fig. 7-A



Fig. 7-B



Fig. 7-C



Fig. 7-D



Fig. 7-E

Canopy Head End Flap Installation

1. Locate the canopy head end flap at the head of the bed (Fig. 8-A).

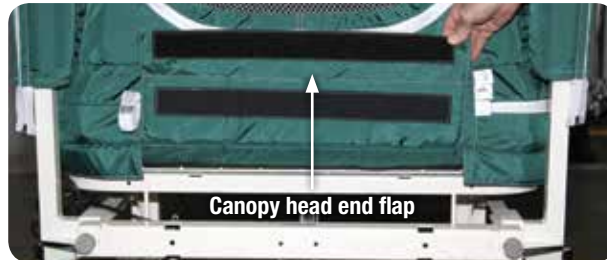


Fig. 8-A

2. Open the hook-and-loop fastener and wrap around the metal end of the head of the bed (Fig. 8-B).
3. Secure the hook-and-loop fastener (Fig. 8-B).



Fig. 8-B

Mattress Installation

MATERIALS:

- Part N (1)
- Assembled bed frame with canopy

⚠ WARNING If not using the Posey Bed 8070 mattress, a mattress that measures 6" x 36" x 80" (15 x 91 x 203 cm) ONLY must be used. Any other size mattress may result in patient injury or death.

1. Completely unzip the mattress compartment.

⚠ CAUTION Orient the mattress with the label on the foot of the bed before placing it into the mattress compartment (Fig. 9-A).

2. Insert the mattress (Part N) into the mattress compartment (Fig. 9-B).

3. Completely zip the mattress compartment (Fig. 9-C).

4. Attach the canopy to the bed frame by securing both bed straps located in the middle of the long sides of the bed.

⚠ CAUTION The canopy bed straps must ALWAYS be connected to movable parts of the bed frame to avoid damaging the mattress compartment.

5. Insert the strap through the bed frame (Figs. 9-D, 9-E).

6. Bring the strap up through both D-rings and then back in between the first and second D-ring (Figs. 9-F, 9-G).

7. Pull the strap straight down to tighten (Fig. 9-H).

8. Repeat on the other side of the bed frame.



Fig. 9-A



Fig. 9-B



Fig. 9-C



Fig. 9-D

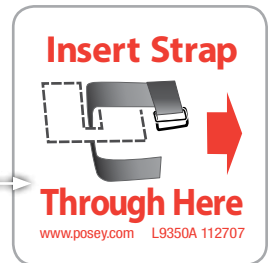


Fig. 9-E



Fig. 9-F



Fig. 9-G



Fig. 9-H

Power Cord Attachment

NOTE: If not already done, retrieve the power cord attachment taped to the underside of the bed.

1. Attach the bed control to the canopy.
2. Place the bed control into one of the pockets near the foot of the bed (Fig. 10-A).



Fig. 10-A

3. Secure the bed control with the bed control clip (Fig. 10-B).



Fig. 10-B

4. Secure the power cord with the power cord strap located at the head of the bed (Figs. 10-C, 10-D, 10-E).



Fig. 10-C



Fig. 10-D



Fig. 10-E

Assembly Check

1. The bed assembly is completed (Fig. 11-A).

Check:

- Bed frame feels secure with no loose or moving parts.
- All casters lock when caster lock is engaged.
- Transfer brakes engage securely when the bed is lowered the lowest position.
- No foam is visible.
- All zipper pins are completely seated in the pin box and all zipper teeth are engaged.
- No rips or holes appear in the canopy or netting.
- Zippers open easily and close securely with no holes or gaps along the entire length of the zipper.
- All corners are covered and secured with the hook-and-loop covers.
- No hardware is left over.



Fig. 11-A

2. Store all Posey Bed instructional material in the instruction storage pocket at the foot of the bed (Fig. 11-B).

3. The Posey Bed is now ready for delivery or storage.

NOTE: The Posey Bed is designed for use in normal indoor environments. The Posey Bed may be stored in ambient warehouse temperatures at normal humidity levels. Avoid excess moisture or high humidity that may damage product materials.



Fig. 11-B

8070 Replacement Parts

REPLACEMENT PART AVAILABILITY

| Part Number | Description | Qty. | Cat. No. |
|-------------|--|-------|--------------------|
| A, B, C | Hardware, spare kit | 1 kit | RP8070IHDK |
| D | Foam padding, short | 1 | RP8070FMS |
| E | Foam padding, long | 1 | RP8070FML |
| F | Frame, long side rail | 1 | RP8070FMHL |
| G | Caster leg frame | 1 | RP8070IFCL |
| H | Frame, right head, left foot post | 1 | RP8070IFLRF |
| I | Frame, left head, right foot post | 1 | RP8070IFRLH |
| J | Frame, short side rail | 1 | RP8070FMHS |
| K | Head, transfer brake | 1 | RP8070ITBH |
| LL | Foot, transfer brake, left | 1 | RP8070ITBFL |
| LR | Foot, transfer brake, right | 1 | RP8070ITBFR |
| M | Bed, Invacare SC900DLX | 1 | RP8070I |
| N | Mattress, BioCore AHP | 1 | RP8070IM |
| O | Canopy, complete | 1 | 8070T |
| Not shown | Panel, canopy, right side | 1 | RP8070PRT |
| Not shown | Panel, canopy, left side | 1 | RP8070PLT |
| Not shown | Quick-release buckle w/ strap | 1 | RP8070QRB |
| Not shown | Bed control with cable, 48" (122cm) | 1 | RP8070IBC |
| Not shown | Caster, locking, w/ hardware | 1 | RP8070LC |
| Not shown | Motor assembly, head | 1 | RP8070IMAH |
| Not shown | Motor assembly, feet | 1 | RP8070IMAF |
| Not shown | Motor assembly, hi-lo | 1 | RP8070IMAHL |
| Not shown | Bumper w/ hardware | 1 | RP8070BM |
| Not shown | Controller/Junction box | 1 | RP8070ICJB |
| Not shown | Power cord, 96" (244 cm) | 1 | RP8070IPC |
| Not shown | Caster frame padding | 1 | RP8070CFP |
| Not shown | Pendant, 3 function | 1 | RP8070IPF |
| Not shown | T cable | 1 | RP8070ITC |
| Not shown | Emergency crank | 1 | RP8070IEC |

Please call Technical Services for more information at 1.800.44.POSEY (1.800.447.6739).

For cleaning instructions and warranty, please refer to the Posey Bed 8070 user manual (M6239), which may be downloaded from www.posey.com

Posey Limited Warranty

What Does This Warranty Cover?

Posey warrants to the original purchaser that the Posey Bed 8070 is free of defects in materials and workmanship. If the product is found to be defective in workmanship or materials, we will repair or replace it at our option at no charge, other than certain transportation and cleaning charges.

How Long Does the Warranty Last?

This warranty is two (2) years from the date of purchase for the bed frame, five (5) years from the date of purchase for the mattress, and one (1) year from the date of purchase for the canopy. Useful life of the Posey Bed canopy is estimated at three (3) years, but may be extended by proper care, maintenance, laundering, avoiding sharp objects, aggressive and destructive patients, and avoiding direct exposure to sunlight. As of March 1, 2014, Posey will no longer repair any canopy that is more than 5 years old, as determined by the year and month of manufacture.

What is Not Covered by this Warranty?

- Damage to the metal frame, nylon canopy, or other components caused by:
 1. use in unsuitable environmental conditions or failure to assemble or maintain the product in accord with user and service instructions;
 2. abuse (including but not limited to patient damage), misuse, alteration, exposure to extreme heat, or by natural or external forces (such as flood or fire).
- Damage caused by alteration, modification, or repair, unless performed by Posey.
- Consequential or incidental damage, including but not limited to loss of income or profits, is not covered. The laws of some countries may not allow exclusion of such damages, so this limitation may not apply to you.

Cleaning and Shipping Charges:

- Shipping costs for products sent to Posey must be pre-paid by you.
- Posey will pay return shipping costs for repaired or replaced products via Ground Service, unless otherwise agreed.

How to Get Service:

Contact the Posey Technical Service hotline (1.800.447.6739) to report the problem and get a Return Merchandise Authorization (RMA). Carefully pack and ship the returned product to us, with your RMA, to Posey Products, LLC, 5635 Peck Road, Arcadia, CA 91006-0020:

- In clean condition. (Canopies that are returned soiled or with an odor will be returned immediately and will not be inspected or repaired.)
- With proof of purchase, and
- Freight prepaid by you.

Posey will inspect the product and contact you within ten (10) business days of the receipt of the item to explain the results of our inspection and what is or is not covered.

How Does State Law Apply?

This warranty is governed by the laws of the State of California, USA. It gives you specific legal rights. You may have other rights, which vary from state to state. This warranty does not affect any further rights that you have under the laws in your state for sale of consumer goods.

Technical Service from Posey

We are happy to assist you between the hours of 6 am and 5 pm Pacific time, USA. Please call us at 1.800.44.POSEY (1.800.447.6739) or 1.626.443.3143. You can fax us at 1.800.767.3933.

Shipping:

Ship items to Posey Products, LLC: 5635 Peck Road, Arcadia, CA 91006-0020 USA.

Canopy Repairs:

To prevent damage in shipping, clean the canopy and close all zippers.

In-Warranty Repairs:

1. Forward the product in clean condition with prepaid freight to the above address.
2. Clearly mark the shipping container with the RMA number.
3. Include dated proof of purchase.

Out-of-Warranty Repairs:

1. Forward the product in clean condition, prepaid freight to the above address.
2. We will quote repairs on an item-by-item basis. All quotes include parts and labor.
3. If additional repairs are needed after the initial estimate, we will contact you within ten (**10**) business days of the receipt of the item to obtain approval of any extra charge.

Repair Turn-Around:

Normally, we will ship the product back to you within three weeks from the date of receipt at our warehouse. If you return multiple units, add one week per unit. We will return all units in one shipment, unless otherwise agreed.

Guidance and Manufacturer's Declaration

TABLE 201
ELECTROMAGNETIC EMISSIONS

The Posey Bed 8070 is intended for use in the electromagnetic environment specified below. The customer or the user of the Posey Bed 8070 should assure that it is used in such an environment.

| Emissions Test | Compliance | |
|--|------------|---|
| RF emissions CISPR 11 | Group 1 | The Posey Bed 8070 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. |
| RF emissions CISPR 11 | Class A | |
| Harmonic emissions IEC 61000-3-2 | Class A | |
| Voltage fluctuations/ Flicker emissions | Complies | |

The Posey Bed 8070 is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

Guidance and Manufacturer's Declaration (Continued)

TABLE 202
ELECTROMAGNETIC IMMUNITY


The Posey Bed 8070 is intended for use in the electromagnetic environment specified below. The customer or the user of the Posey Bed 8070 should assure that it is used in such an environment.

| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic Environment – Guidance |
|---|---|---|--|
| Electrostatic discharge (ESD) IEC 61000-4-2 | ±6 kV contact ±8 kV air | ±6 kV contact ±8 kV air | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%. |
| Electrical fast transient/burst IEC 61000-4-4 | ±2 kV for power supply lines ±1 kV for input/output lines | ±2 kV for power supply lines ±1 kV for input/output lines | Mains power quality should be that of a typical commercial or hospital environment. |
| Surge IEC 61000-4-5 | ±1 kV differential mode ±2 kV common mode | ±1 kV differential mode ±2 kV common mode | Mains power quality should be that of a typical commercial or hospital environment. |
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | <5% <i>UT</i> (>95% dip in <i>UT</i>) for 0.5 cycle 40% <i>UT</i> (60% dip in <i>UT</i>) for 5 cycles 70% <i>UT</i> (30% dip in <i>UT</i>) for 25 cycles <5% <i>UT</i> (>95% dip in <i>UT</i>) for 5 sec | <5% <i>UT</i> (>95% dip in <i>UT</i>) for 0.5 cycle 40% <i>UT</i> (60% dip in <i>UT</i>) for 5 cycles 70% <i>UT</i> (30% dip in <i>UT</i>) for 25 cycles <5% <i>UT</i> (>95% dip in <i>UT</i>) for 5 sec | Mains power quality should be that of a typical commercial or hospital environment. If the user of the Posey Bed 8070 requires continued operation during power mains interruptions, it is recommended that the Posey Bed 8070 be powered from an uninterruptible power supply or a battery. |
| (50/60 Hz) Magnetic field IEC 61000-4-8 | 3 A/m | 3 A/m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |
| NOTE <i>UT</i> is the a.c. mains voltage prior to application of the test level. | | | |

Guidance and Manufacturer's Declaration (Continued)

TABLE 204
ELECTROMAGNETIC IMMUNITY

The Posey Bed 8070 is intended for use in the electromagnetic environment specified below. The customer or the user of the Posey Bed 8070 should assure that it is used in such an environment.

| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic Environment – Guidance |
|--|---|---------------------|---|
| Conducted RF IEC 61000-4-6 Radiated RF IEC 61000-4-3 | 3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz | 3 Vrms 3 V/m | Portable and mobile RF communications equipment should be used no closer to any part of the Posey Bed 8070, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = [3.5/V1]\sqrt{P}$ $d = [3.5/E1]\sqrt{P}$ 80 MHz to 800 MHz $d = [7/E1]\sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ^a , should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol:  |
| NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people. ^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Posey Bed 8070 is used exceeds the applicable RF compliance level above, the Posey Bed 8070 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Posey Bed 8070. ^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m. | | | |

Guidance and Manufacturer's Declaration (Continued)

TABLE 206
RECOMMENDED SEPARATION
DISTANCES

Recommended separation distances between portable and mobile RF communications equipment and the Posey Bed 8070

The Posey Bed 8070 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Posey Bed 8070 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Posey Bed 8070 as recommended below, according to the maximum output power of the communications equipment.

| Rated maximum output power of transmitter W | Separation distance according to frequency of transmitter m | | |
|--|--|--|---|
| | 150 kHz to 80MHz $d = [3.5/\sqrt{f}] \sqrt{P}$ | 80 MHz to 800 MHz $d = [3.5/E1] \sqrt{P}$ | 800 MHz to 2.5 GHz $d = [7/E1] \sqrt{P}$ |
| 0.01 | 0.12 | 0.12 | 0.23 |
| 0.1 | 0.37 | 0.37 | 0.74 |
| 1 | 1.17 | 1.17 | 2.33 |
| 10 | 3.69 | 3.69 | 7.39 |
| 100 | 11.67 | 11.67 | 23.33 |

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Posey® Bed 8070

Assembly Instructions



Posey Products, LLC • 5635 Peck Road, Arcadia, CA 91006-0020 USA
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