



## Secure II Model 3002

# stryker<sup>®</sup>

## Maintenance Manual



For technical assistance  
USA: 1-800-327-0770 (option 2)  
Canada: 1-888-233-6888





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# Introduction

## INTRODUCTION

This manual is designed to assist you with the maintenance of the Stryker Model 3002 Secure II Bed. Read it thoroughly before using the equipment or beginning any maintenance on it.

## SPECIFICATIONS

|  |                                      |  |   |   |              |
|--|--------------------------------------|--|---|---|--------------|
|   |                                      | Safe Working Load  |   | 500 pounds  | 227 kg       |
|  |                                      | <b>Note:</b> Safe Working Load indicates the sum of the patient, mattress, and accessory weight. |   |   |              |
| Scale System Capacity (optional equipment). Loads weighing up to                   |                                      |  |   | 500 pounds  | 227 kilogram |
| Scale System Accuracy (optional equipment)   |                                      |  |   | ± 2 pounds at 0° - ± 10° Trendelenburg for patients weighing 100 pounds or less<br>± 2% of the total patient weight at 0° - ± 10° Trendelenburg for patients weighing greater than 100 pounds |              |
| Overall Length/Width   | Standard Bed (Inside US and Canada)  | Siderails Up   | 93" x 42.5"   | 236 cm x 108 cm   |              |
|  |                                      | Siderails Down   | 93" x 40"   | 236 cm x 101.6 cm   |              |
|  | Standard Bed (Outside US and Canada) | Siderails Up   | 93" x 42.5"   | 236 cm x 108 cm   |              |
|  |                                      | Siderails Down   | 93" x 36"   | 236 cm x 92 cm  |              |
|  | Short Bed (Inside US and Canada)     | Siderails Up   | 85" x 42.5"   | 216 cm x 108 cm   |              |
|  |                                      | Siderails Down   | 85" x 36"   | 216 cm x 92 cm  |              |
|  | Zoom® Bed (Inside US and Canada)     | Siderails Up   | 95" x 42.5"   | 241 cm x 108 cm   |              |
|  |                                      | Siderails Down   | 95" x 40"   | 241 cm x 101.6 cm   |              |
| Zoom® Short Bed (Inside US and Canada)   | Siderails Up                         | 87" x 42.5"  | 221 cm x 108 cm   |   |              |
|  | Siderails Down                       | 87" x 36"  | 221 cm x 92 cm  |   |              |
| Patient Sleep Surface - Standard Bed   |                                      |  | 84" x 35"   | 213 cm x 89 cm  |              |
| Patient Sleep Surface - Short Beds   |                                      |  | 76" x 35"   | 193 cm x 89 cm  |              |
| Bed Height to Top of Seat Litter - 6" Casters<br>(Add 2" if bed has 8" casters)    |                                      | Standard   | 16" to 30" ±0.5   | 41 cm to 76 cm  |              |
|  |                                      | Beds with Zoom® Option   | 19.75" x 30"  | 50 cm x 76 cm   |              |
|  |                                      | Short Beds w/Zoom® Option  | 20.5" x 30"   | 52 cm x 76 cm   |              |
| Litter Platform to Top of Siderail   | Full Up                              | Head End Siderail  | 15.75"  | 40 cm   |              |
|  | Full Up                              | Foot End Siderail  | 15.25"  | 38.7 cm   |              |
|  | Outside US/Canada                    | Head End Siderail  | 15"   | 38.1 cm   |              |
|  | Outside US/Canada                    | Foot End Siderail  | 14"   | 35.5 cm   |              |
| Space Between Siderails (Full Up)<br>Outside the US and Canada                     |                                      |  | 9.75"   | 24.7 cm   |              |
|  |                                      |  | 9.125" (8")   | 23.1 cm   |              |
| Knee Gatch Angle   |                                      |  | 0° to 40°   |   |              |
| Fowler Angle   |                                      |  | 0° to 60°   |   |              |
| Trendelenburg/Reverse Trendelenburg  |                                      |  | -12° to +12° ± 1°<br>-10° to +10° ± 1° - Beds with Zoom® Option<br>-8° to +8° ± 1° - Short Beds |   |              |
| Electrical Requirements - all electrical requirements meet UL 2601 specifications. |                                      |  | 115 VAC, 60 Hz, 7.0 Amp<br>Optional: 230 VAC, 50/60 Hz, 4.0 Amp                                 |   |              |
| Outlet Option  |                                      |  | 125 VAC, 60 Hz, 10.0 Amp (not available with Zoom® Option)                                      |   |              |

<sup>1</sup> If the bed is equipped with the enhanced height option, the scale accuracy is as described above for litter angles from 0° to ±5° Trend.

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# Introduction

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## MATTRESS SPECIFICATIONS

|           |        |
|-----------|--------|
| Thickness | 6"     |
| Width     | >= 35" |
| Length    | >= 84" |
| ILD       | 80     |

***Stryker reserves the right to change specifications without notice.***

Specifications listed are approximate and may vary slightly from unit to unit or by power supply fluctuations.

## WARNING/CAUTION/NOTE DEFINITION

The words **Warning**, **Caution** and **Note** carry special meanings and should be carefully reviewed.

---

### **WARNING**

Alerts the reader about a situation, which if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

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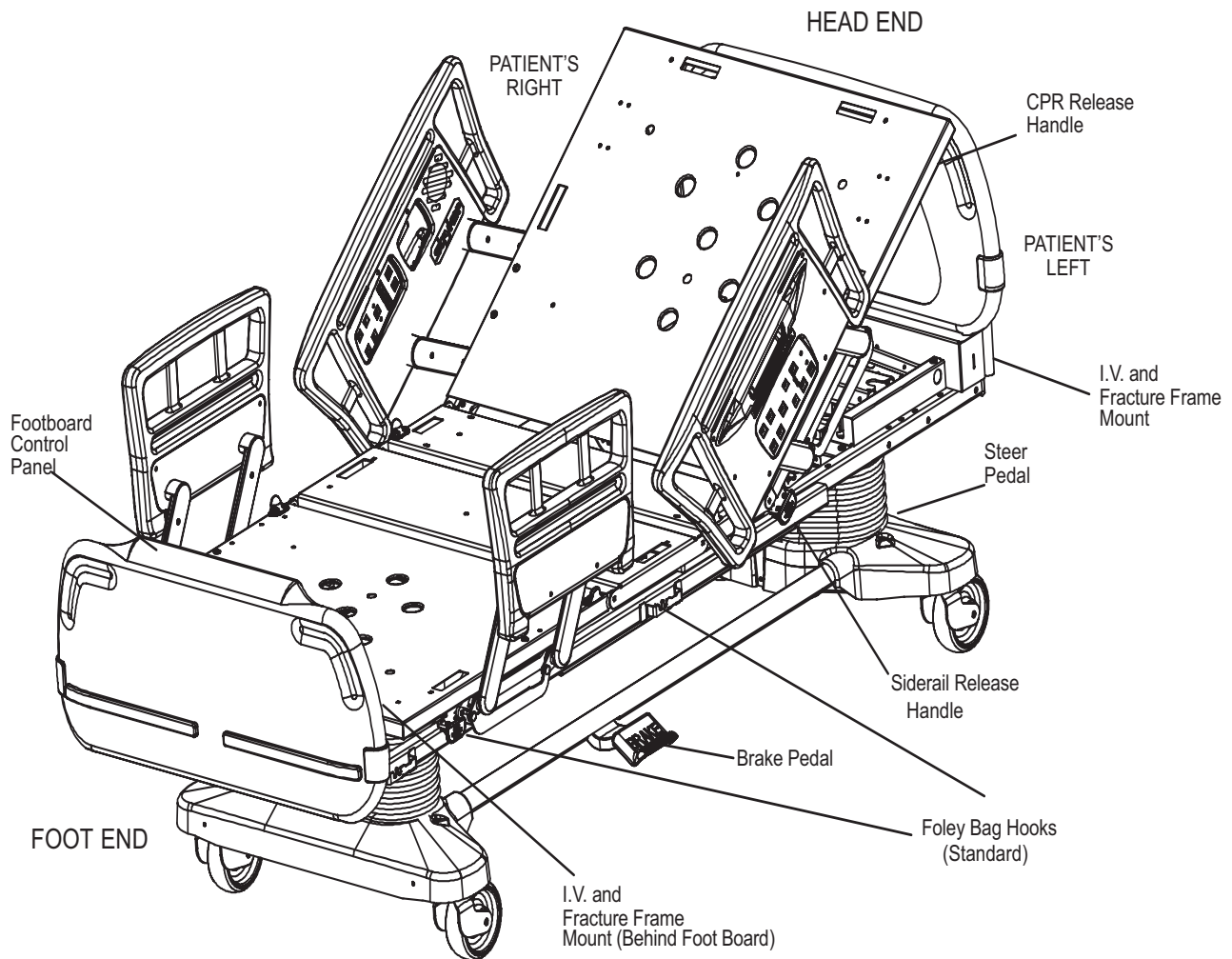
### **CAUTION**

Alerts the reader of a potentially hazardous situation, which if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

### **Note**

This provides special information to make maintenance easier or important instructions clearer.

# Bed Illustration



# Symbols

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Warning, Refer to Service/Maintenance Manual



Alternating Current



Type B Equipment: equipment providing a particular degree of protection against electric shock, particularly regarding allowable leakage current and reliability of the protective earth connection.

Class 1 Equipment: equipment in which protection against electric shock does not rely on BASIC INSULATION only, but which includes an additional safety precaution in that means are provided for the connection of the EQUIPMENT to the protective earth conductor in the fixed wiring of the installation in such a way that ACCESSIBLE METAL PARTS cannot become live in the event of a failure of the BASIC INSULATION.

Mode of Operation: Continuous

IPX4: Protection from liquid splash



Dangerous Voltage Symbol



Protective Earth Terminal



Potentiometerential Equalization Symbol



Medical Equipment Classified by Underwriters Laboratories Inc. with Respect to Electric Shock, Fire, Mechanical and Other Specified Hazards Only in Accordance with UL 60601-1, First Edition (2003) and CAN/CSA C22.2 No. 601.1-M90 with updates 1 and 2.



Safe Working Load Symbol



In accordance with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment, this symbol indicates that the product must not be disposed of as unsorted municipal waste, but should be collected separately. Refer to your local distributor for return and/or collection systems available in your country.

# Safety Tips and Guidelines

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Before operating the Secure Bed II, it is important to read and understand all information in this manual. Carefully read and strictly follow the safety guidelines listed on this page.

It is important that all users have been trained and educated on the inherent hazards associated with the usage of electric beds.

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## WARNINGS

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- Danger: Explosion hazard. Do not use in the presence of flammable anesthetics.
- Always apply the caster brakes when a patient is getting on or off the bed. Always keep the caster brakes applied when a patient is on the bed (except during transport). After the brake pedal is applied, push on the bed to ensure the brakes are locked. Serious injury could result if the bed moves while a patient is getting in or out of bed.
- Ensure the brakes are completely released prior to attempting to move the unit. Attempting to move the unit with the brakes actuated could result in injury to the user and/or patient.
- Do not attempt to move the foot end of the bed laterally when the steer pedal is activated. When the steer pedal is activated, the steer caster at the foot end of the bed cannot swivel. Attempting to move the bed laterally when the steer pedal is activated may cause injury to the user.
- The Secure II Bed is not intended for use with patients less than two years of age.
- Serious injury can result if caution is not used when operating the unit. Operate the unit only when all persons are clear of the electrical and mechanical systems.
- To help reduce the number and severity of falls by patients, always leave the bed in the lowest position when the patient is unattended.
- When attaching equipment to the frame, ensure it will not impede normal frame operation. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the Nurse Call button, etc.
- Use only a Stryker supplied interface cable. Use of any other cable may cause the bed to function improperly which may result in patient or user injury.
- The Secure II Bed is equipped with a hospital grade plug for protection against shock hazard. It must be plugged directly into a properly grounded three-prong receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used.
- When using the manual override shaft to manually actuate bed functions, always unplug the bed power cord from the wall socket to avoid injury in the event of a sudden return of power to the bed.
- When raising the siderails, listen for the “click” that indicates the siderail has locked in the up position. Pull firmly on the siderail to ensure it is locked into position. Siderails are not intended to be a patient restraint device. It is the responsibility of attending medical personnel to determine the degree of restraint and the siderail positioning to ensure a patient will remain safely in bed.
- The Bed Exit System is intended only to aid in the detection of a patient exiting the unit. It is NOT intended to replace patient monitoring protocol. The Bed Exit System signals when a patient is about to exit. Adding or subtracting objects from the frame after zeroing the weigh system may cause a reduction in the sensitivity of the Bed Exit System.
- Always unplug the bed power cord from the wall socket and push the battery power On/Off switch to the “Off” position before servicing or cleaning the bed. When working under the bed with the bed in the high position, always place blocks under the litter frame and apply the brakes to prevent injury in case the Bed Down switch is accidentally pressed.
- The CPR emergency release on the Short Bed frame may require assistance to lower the back when the back is in the highest position. Attempting to lower the back in this position without assistance may result in injury to the operator.
- Only use equipment with the following electrical specs: 110VAC; 10A; 60Hz. Maximum total load drawn by equipment used in this receptacle outlet must not exceed 10A. The total system chassis risk current should not exceed 300uA. Grounding continuity should be checked periodically.
- To avoid risk of electrical shock, unplug all power cords before opening the service compartment, junction box or receptacle.
- Do not use the optional 110V outlet for life sustaining equipment.
- To avoid pinching your fingers, place the I.V. pole in the upright position before using the drive handle.

# Safety Tips and Guidelines

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## WARNINGS (CONTINUED)

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- When using any mattress and/or mattress overlay that increases the overall height greater than 6" extra caution and/or operator supervision is required to help reduce the likelihood of a patient fall occurring.

To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT:

- Confirm proper Scale System operation following mattress installation. For best results, secure the therapy mattress power cord to prevent damage to the cord or interference with the bed frame and the Scale System.
- Do not zero bed scales or weigh patient with Percussion, Vibration, Rotation or Turn-Assist active. Patient motion and position resulting from the dynamic therapy mattress may adversely affect Scale System performance.
- Do not initialize (Arm) Bed Exit with Percussion, Vibration, Rotation or Turn-Assist active. The patient motion and position resulting from the dynamic therapy mattress may adversely affect Bed Exit System performance.
- When using an XPRT Therapy Mattress extra caution and/or operator supervision is required to help reduce the likelihood of a patient fall occurring.



## CAUTIONS

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- When large spills occur in the area of the circuit boards, 110V cables and motors, immediately unplug the bed power cord from the wall socket. Remove the patient from the bed and clean up the fluid. Have maintenance completely check the bed. Fluids can affect the operational capabilities of any electrical product. Do Not put the bed back into service until it is completely dry and has been thoroughly tested for safe operation.
- Preventative maintenance should be performed at a minimum of annually to ensure all bed features are functioning properly. Close attention should be given to safety features including, but not limited to:

Safety side latching mechanisms, frayed electrical cords and components, all electrical controls return to off or neutral position when released, caster braking systems, no controls or cabling entangled in bed mechanisms, leakage current 300uA maximum, Scale and Bed Exit Systems calibrated properly.

- Because individual beds may have different options, foot boards should not be moved from one bed to another. Mixing foot boards could result in unpredictable bed operation.
- The lockout buttons on the foot board lock the Fowler, Gatch and Bed Up/Down functions and prevent motion of the bed. It is the responsibility of attending medical personnel to determine whether these functions should be locked and to use the buttons accordingly.
- The weight of the I.V. bags should not exceed 40 pounds.
- Scale function may be affected by siderail/caster interference. With the litter fully lowered or lowered in Reverse Trendelenburg, the siderails tucked under the litter in the storage position and the casters turned, there is the potential for interference between the siderail and the caster. Raise the siderails when lowering the litter to the full down position to prevent the interference from causing the Scale System to weigh inaccurately.
- When attaching equipment to the frame, ensure it will not impede normal operation. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the Nurse Call button, etc.
- The use of a mattress overlay may reduce the effectiveness of the siderail.
- The I.V. poles should not be used as a bed push/pull device.
- The cleanliness and integrity of both ground chains must be maintained to minimize static build-on and discharge.
- Do not add or remove weight when the Bed Exit System is armed.

# Safety Tips and Guidelines

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## ZOOM® OPTION

In addition to the previous warnings and cautions, all of the following warnings and cautions apply to units equipped with the Zoom® option.



### WARNINGS

- The 3002 Patient Transport Frame is intended for use by trained hospital personnel only. Failure to properly train personnel could result in injury.
- Use Caution while maneuvering the unit with the drive wheel activated. Always ensure there are no obstacles near the unit while the drive wheel is activated. Injury to the patient, user or bystanders or damage to the frame or surrounding equipment could occur if the unit collides with an obstacle.
- Use Caution when transporting the unit down halls, through doors, in and out of elevators, etc. Damage to the siderails or other parts of the unit could occur if the unit comes in contact with walls or door frames.
- Put the drive wheel in the neutral position and release the brakes before pushing the unit manually. Do not attempt to push the unit manually with the drive wheel engaged. The unit will be difficult to push and injury could result.
- If unanticipated motion occurs, unplug the power cord from the wall socket, push the battery power On/Off switch to the "Off" position (the LED will not be illuminated) and actuate the drive wheel pedal to the neutral position.
- The power save mode is activated after one hour on battery power with no motion release switch activation. Functions including Bed Exit, Scale and Motion will cease to operate when the unit enters the power save mode. Injury to the patient could occur if proper patient monitoring protocol is not observed.
- Always unplug the power cord and push the battery power On/Off switch to the "Off" position before service or cleaning. When working under the frame, always place blocks under the litter frame to prevent injury in case the Bed Down switch is accidentally activated.
- Due to the weight the battery adds to the bed (approximately 50 pounds), additional force is required to move the bed. Caution should be used when transporting this bed. Additional assistance should be used when necessary. Failure to use caution while transporting this bed may result in injury to the user. Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
- Do not modify the 3002 Patient Transport Frame. Modifying the unit can cause unpredictable operation resulting in injury to the patient or operator. Modifying the unit will also void its warranty.



### CAUTIONS

- To avoid damage while transporting the bed, verify the I.V. pole is at a low enough height to allow it to safely pass through door openings and under light fixtures.
- The battery tray assembly weighs 50 pounds. Take care when removing the two hexagonal head screws securing it to the base frame or personal injury could result.

# Static Discharge Precautions

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The electronic circuits in the Secure II Bed are completely protected from static electricity damage only while the bed is assembled. It is extremely important that all service personnel always use adequate static protection when servicing the electronic systems of the Secure II Bed. Whenever you are touching wires, you should be using static protection.

## Static Protection Equipment

The necessary equipment for proper static protection is:

- 1 static wrist strap; 3M part number 2214 or equivalent,
- 1 grounding plug; 3M part number 61038 or equivalent,
- 1 test lead with a banana plug on one end and an alligator clip on the other; Smith part number N132B699 or equivalent.

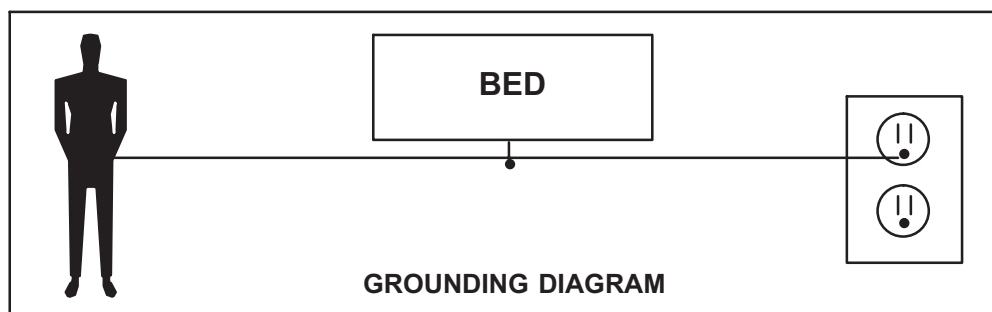
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## CAUTION

All electronic service parts will be shipped in static shielding bags. Do not open the bags until you have completed steps 2 and 3 of the following procedure. Do not place unprotected circuit boards on the floor. All circuit boards to be returned to Stryker Medical should be shipped in the static shielding bags the new boards were shipped in.

## Static Protection Procedure

1. Unplug the power cord from the wall receptacle.
2. Insert the grounding plug into a properly grounded hospital grade wall receptacle. Plug the banana plug of the test lead into the receptacle on the grounding plug. Connect the alligator clip on the other end of the test lead to a ground point on the bed.
3. Place the static control wrist strap on your wrist. Connect the alligator clip at the other end of the wrist strap cord to a ground point on the bed.



# Setup Procedures

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It is important that the Secure II Bed is working properly before it is put into service. The following list will help ensure that each part of the bed is tested.

- Plug the bed into a properly grounded, hospital grade wall receptacle and ensure the “Power” LED light at the foot end of the bed comes on.



## WARNING

The Secure II Bed is equipped with a hospital grade plug for protection against shock hazard. It must be plugged directly into a properly grounded three-prong receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used.

- Plug the optional interface cable into the 37 pin connector under the litter frame at the head end of the bed, and into the “Patients Station”, “Head Wall”, “Docker Station”, or equivalent (whichever applies). Test the interface cable to verify it is functioning properly.



## WARNING

Use only a Stryker supplied interface cable. Use of any other cable may cause the bed to function improperly which may result in patient or user injury.

- Ensure the siderails raise, lower and store smoothly and lock in the up position and in the intermediate position when lowered (see “Positioning Siderails” section).
- Ensure that all four casters lock when the brake pedal is engaged (see “Brake Pedal Operation” section).
- Raise the Back up to approximately 60°. Squeeze the CPR release handle and ensure the Back will drop with minimal effort.

## Note

Ensure that the “Brake Not Set” LED’s located on the outside of the head end siderails and on the foot board control panel come on when the brakes are disengaged.

- Run through each function on the foot board control panel to ensure that each function is working properly (see “Foot Board Operation Guide” section).
- Run through each function on both head end siderails to ensure that each is working properly (see “Siderail Operation Guide” section).
- Activate the motion stop system to ensure it is functioning properly: press and hold down the **Bed Down** key. As the bed lowers, lift up on the motion interrupt pan (reference drawing in “Bed Illustration” section) and ensure the downward motion stops. Release the pan and allow the downward motion to continue.

## Note

The bed’s upward motion or other functions are not disrupted by the motion stop system.

# Setup Procedures

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## ZOOM™ OPTION

If your bed is equipped with the Zoom™ drive wheel option, run through the setup procedures and continue with the procedures listed below.

- Plug the power cord into a properly grounded, hospital grade wall receptacle. The 12V batteries that provide power to the drive wheel and backup power to the unit functions will charge whenever the power cord is plugged into the wall socket. The batteries require approximately 10 hours of charging time before the bed is put into service.
- Unplug the power cord from the wall socket. Push the battery power switch located on the lower left corner of the head end to the On position. Again, verify each function on the foot board and siderails is operating properly.
- With the battery power switch in the On position and the brakes engaged, ensure the “Release Brakes” LED on the head end control panel is illuminated.
- With the battery power switch in the On position and the drive wheel in the neutral position (not touching the floor), ensure the “Engage Drive Wheel” LED on the head end control panel is illuminated.
- Run through the operation of the drive wheel (see “Zoom™ Option Operation Guide” to ensure it is operating properly).

If any problems are found during bed setup, contact Stryker Customer Service at 800-327-0777.

## DAMAGED MERCHANDISE

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. Do Not accept damaged shipments unless such damage is noted on the delivery receipt at the time of receipt. Stryker Customer Service must be notified immediately. Stryker will aid the customer in filing a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

Claims for any short shipment must be made within thirty (30) days of invoice.

# Base Operation Guide

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## BRAKE PEDAL OPERATION

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### WARNING

Always apply the caster brakes when a patient is getting on or off the bed. Push on the bed to ensure the brakes are securely locked. Always engage the brakes unless the bed is being moved. Injury could result if the bed moves while a patient is getting on or off the bed.

To activate the brakes, push down once on one of the pedals located at the midpoint of the bed on both sides (identified by the label at right). The pedal will remain in the lowered position, indicating the brakes are engaged. To disengage the brakes, push down once and the pedal will return to the upper position.

**BRAKE**  
PRESS TO SET OR RELEASE

### Note

There are LED lights on the outside of the head end siderails and on the foot end control panel that will blink when the brakes are not engaged only if the bed is plugged into a wall socket (see “Siderail Operation Guide” section). The brakes will still operate properly when the bed is not plugged in.

## STEER PEDAL OPERATION (BEDS WITHOUT THE ZOOM® DRIVE WHEEL OPTION)

When the bed is moved, the steer caster helps guide the bed along a straight line and helps the bed pivot around corners.

To activate the steer caster, move the pedal located at the head end of the bed to your left as shown on the label.



### WARNING

Do not attempt to move the foot end of the bed laterally when the steer pedal is activated. When the steer pedal is activated, the steer caster at the foot end of the bed cannot swivel. Attempting to move the bed laterally when the steer pedal is activated may cause injury to the user.

# Litter Operation Guide

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## CPR EMERGENCY RELEASE

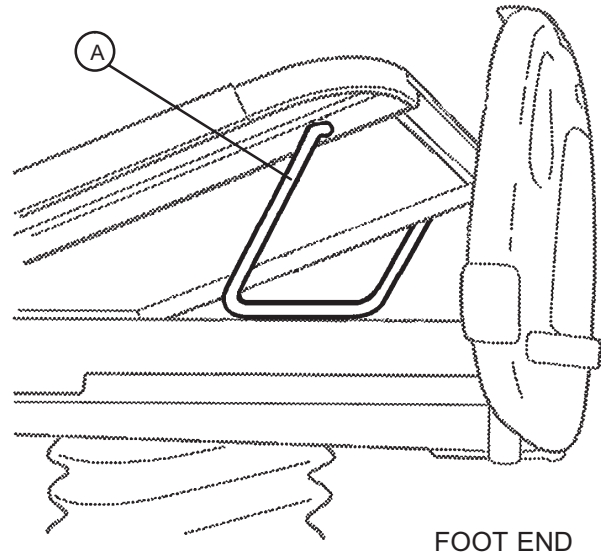
When quick access to the patient is needed and the Fowler is raised, squeeze one of the two red release handles (see “Bed Illustration” section) and the Fowler can be quickly guided down to a flat position.

### Note

The handle can be released at any time to stop the Fowler from lowering.

## OPTIONAL FOOT PROP USAGE

To prop the foot end of the Knee Gatch up, grasp the end of the Knee Gatch and lift upward, allowing the foot prop (A) to engage at the desired height. To release the prop, swing the prop (A) toward the head end of the bed to disengage the hinge and lower the foot end.



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### WARNING

To avoid injury while cleaning or servicing under the foot section, secure the foot section with string or bungee cords or hold it up out of the way.

## FRACTURE FRAME USAGE

A standard fracture frame can be mounted on the bed using the I.V. sockets located on all four corners of the bed. I.V. poles can be used in conjunction with a fracture frame if I.V. pole adaptor sockets are purchased.

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### WARNING

Use only retractable traction or fracture frames. Failure to use a retractable frame may result in injury to the patient and/or damage to the equipment.

## FOLEY BAG HOOKS USAGE

The standard Foley bag hooks are found at two locations on both sides of the frame: under the frame below the seat section and at the extreme foot end of the frame. The optional isolated Foley bag hooks are located at the foot end of the bed on top of the lift header. The patient weight reading on the Scale System will not be affected when the optional isolated Foley bag hooks are used.

# Litter Operation Guide

## PATIENT RESTRAINT STRAP LOCATIONS

The bed has 12 locations for installing patient restraint straps on the litter top, 6 on each side of the bed.

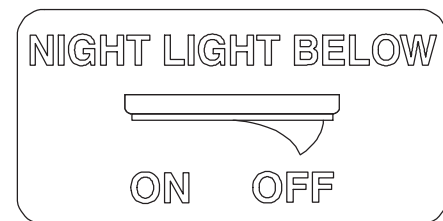
### WARNING

Improperly adjusted restraint straps can cause serious injury to a patient. The clinician must use her/his judgement to determine proper use of restraint straps and restraint strap locations.

Clean Velcro **After Each Use**. Saturate Velcro with disinfectant and allow disinfectant to evaporate. (Appropriate disinfectant for nylon Velcro should be determined by the hospital.)

## NIGHT LIGHT USAGE

The bed is equipped with two night lights to illuminate the floor area around the bed. There is a switch under the litter thigh section on the patient's left side that turns both lights on and off.

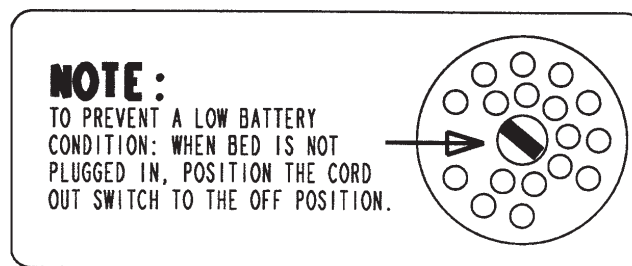


### Note

The night lights have a sensor so the lights will turn off, even when the switch is on, if the light in the room is bright enough so a night light is not necessary.

## NURSE CALL BACKUP BATTERY (OPTIONAL EQUIPMENT)

To prevent a low battery condition when the bed is not plugged in, position the cord out switch at the head end of the bed to the off position. The switch is identified by the label shown below. If the switch is not positioned as shown below and the bed power cord and pendant cord are unplugged, the life of the backup battery will be significantly reduced. If the power light (located on the foot board) is flashing, the Nurse Call battery needs to be replaced. The battery is located on the patient's left side at the head end of the bed. No tools are required to replace the battery. Unplug the bed power cord from the wall socket and replace the battery.



# Litter Operation Guide

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## USING THE 110V OUTLET (OPTIONAL EQUIPMENT)

The 110V outlet has its own power cord that must be plugged into a properly grounded three-prong wall receptacle different from the wall receptacle the bed power cord is plugged into.

If the equipment plugged into the bed outlet is not receiving power, check the circuit breakers located on the litter frame under the head section (see “Optional 110V Outlet Assembly - 3002-320-050” section). Reset, if necessary.



### **WARNING**

Only use equipment with the following electrical specs: 110VAC; 10A; 60Hz. Maximum total load drawn by equipment used in this receptacle outlet must not exceed 10A. The total system chassis risk current should not exceed 100uA. Grounding continuity should be checked periodically.

To avoid risk of electrical shock, unplug all power cords before opening the service compartment, junction box or receptacle.

Do not use the optional 110V outlet for life sustaining equipment.

## CPR BOARD USAGE (OPTIONAL EQUIPMENT)

If the bed is equipped with the optional CPR board, it is stored on the bed's head board. To remove it, pull it away from the head board and lift it out of storage position. If the CPR board option was not purchased, the head board can also be removed and used as an emergency CPR board.

# Litter Operation Guide

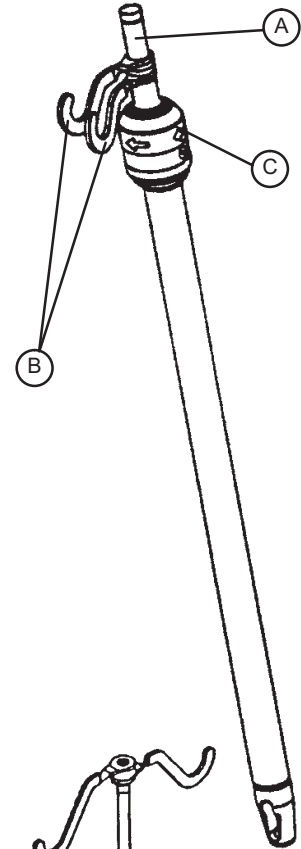
## OPERATING THE I.V. POLES

### Using the 2-stage Permanently Attached I.V. Pole:

#### Note

The 2-stage permanently attached I.V. pole is an option and may have been installed at either the head, foot or both ends. The choice was made at the time the unit was purchased.

1. Lift and pivot the pole from the storage position and push down until it rests in the receptacle.
2. To raise the height of the pole, pull up on the telescoping portion (A) until it locks into place at its fully raised position.
3. Rotate the I.V. hangers (B) to desired position and hang I.V. bags.
4. To lower the I.V. pole turn the latch (C) clockwise until section (A) lowers.



#### CAUTION

To avoid damage, the weight of the I.V. bags should not exceed 40 pounds



#### WARNING

To avoid pinching your fingers, place the I.V. pole in the upright position before using the drive handle.

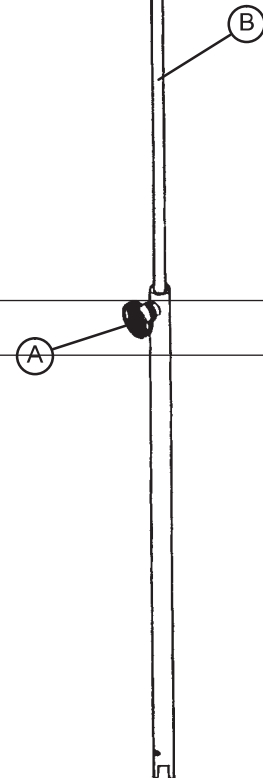
### Using the “Removable” I.V. Pole:

1. Install the pole at any of the four receptacles on the bed top (located on all four corners of the frame.)
2. To raise the height of the pole, turn knob (A) counterclockwise and pull up on the telescoping portion (B) of the pole and raise it to the desired height.
3. Turn knob (A) clockwise to tighten the telescoping portion in place.



#### CAUTION

To avoid damage, the weight of the I.V. bags should not exceed 40 pounds.



# Siderail Operation Guide

## POSITIONING SIDERAILS

### Note

The siderails can be locked at two heights (intermediate and full up). The foot end siderails on a Short Bed do not have an intermediate position.

The siderails can slide to the side of the bed when not in use. To remove the rail from the tucked position, grasp the top of the rail and pull outward.

To engage the head end siderail, grasp the rail and swing it upward to full height. When the siderail is being raised, it does not lock in the intermediate position. To lower the siderail, push in the yellow release handle (A) and rotate the siderail until it locks in the intermediate position. To lower the siderail fully, push in the yellow release handle (A) again and rotate the siderail until it is completely lowered.

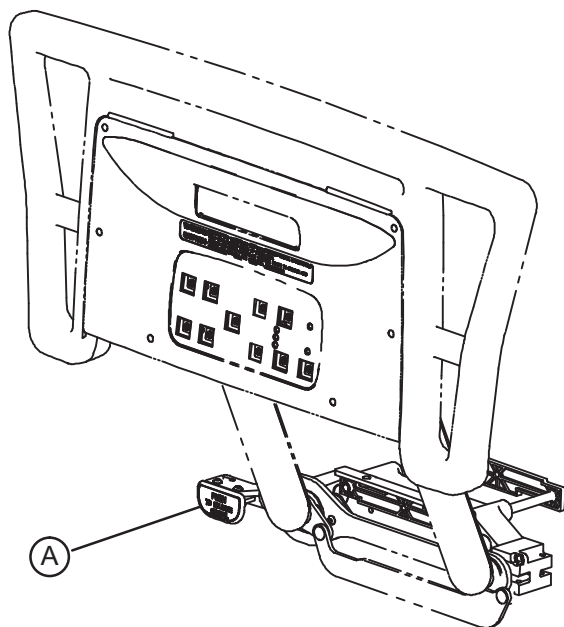
To engage the foot end siderail, the same procedure is required as for the head end siderail, however, the siderail swings toward the foot end of the bed.

### WARNING

Be sure the siderail is locked securely into position. Siderails are not intended to keep patients from exiting the bed. They are designed to keep a patient from inadvertently rolling off the bed. Proper restraint methods should be utilized to ensure the patient remains in bed.

The siderails are not intended to be used as a push device.

To disengage the rail, push in the yellow release handle (A) and swing the rail down to the desired height. Store the siderails slid.



## SIDERAIL CONTROL PANEL LIGHTS

The bed is equipped with lights to illuminate the head end siderail control panel and the red Nurse Call switches. Both can be activated at the foot board control panel. Three settings are available for the control panel lights: low, medium and high intensity. When all lights are off, push the siderail control light button at the foot board once to turn on both the control lights and the Nurse Call light at the siderail. Push again to change from low to medium setting, and a third time to change to the high setting. The Nurse Call light intensity is not affected. Pushing the button a fourth time will turn off the siderail control panel lights and pushing it a fifth time will turn off the red Nurse Call light as well (see "Foot Board Operation Guide" section).

### Note

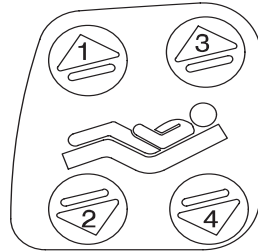
The purpose of the red Nurse Call light on the siderails is to ensure the patient immediately knows which button to push to contact the nurse station. Turning the red light off may compromise this ability, especially in a darkened room.

# Siderail Operation Guide

## INSIDE SIDERAIL FUNCTION GUIDE

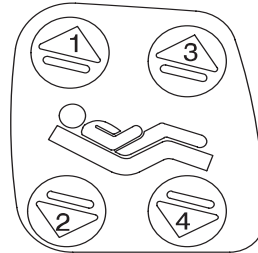
### (Patient's Right Rail)

1. Push to raise Knee Gatch.
2. Push to lower Knee Gatch.
3. Push to raise Fowler.
4. Push to lower Fowler.



### (Patient's Left Rail)

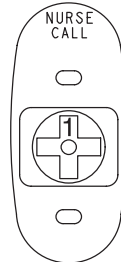
1. Push to raise Fowler.
2. Push to lower Fowler.
3. Push to raise Knee Gatch.
4. Push to lower Knee Gatch.



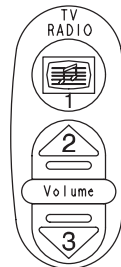
1. Push to activate Nurse Call.

### Note

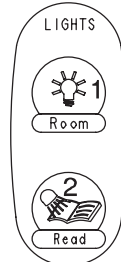
Yellow LED will light when the button is pushed.  
Red LED will light with Nurse Station acknowledgment.  
► This panel is optional equipment.



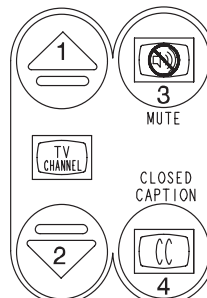
1. Push to turn TV or radio on and to select a channel.
  2. Push to increase volume.
  3. Push to decrease volume.
- This panel is optional equipment.



1. Push to turn the room light on.
  2. Push to turn the bed overhead light on.
- This panel is optional equipment.



1. Push to change the TV channel up.
  2. Push to change the TV channel down.
  3. Push to mute TV volume. Push again to turn the sound back on.
  5. Push to display closed captioning. Push again to turn off closed captioning.
- This panel is optional equipment.

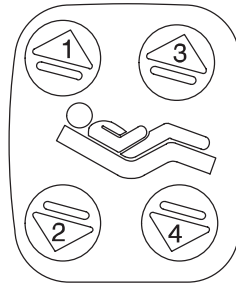


# Siderail Operation Guide

## OUTSIDE SIDERAIL FUNCTION GUIDE

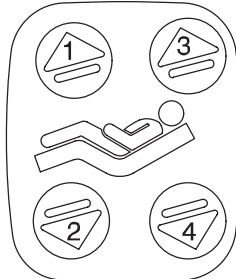
### (Patient's Right Rail)

1. Push to raise Fowler.
  2. Push to lower Fowler.
  3. Push to raise Knee Gatch.
  4. Push to lower Knee Gatch.
- This panel is optional equipment.

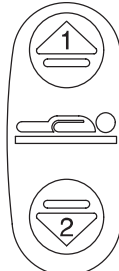


### (Patient's Left Rail)

1. Push to raise Knee Gatch.
  2. Push to lower Knee Gatch.
  3. Push to raise Fowler.
  4. Push to lower Fowler.
- This panel is optional equipment.



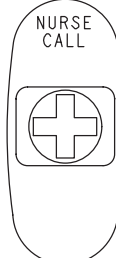
1. Push to raise bed height.



2. Push to lower bed height.

Push to activate Nurse Call.

- This panel is optional equipment.



LED will blink when the brakes are not set.



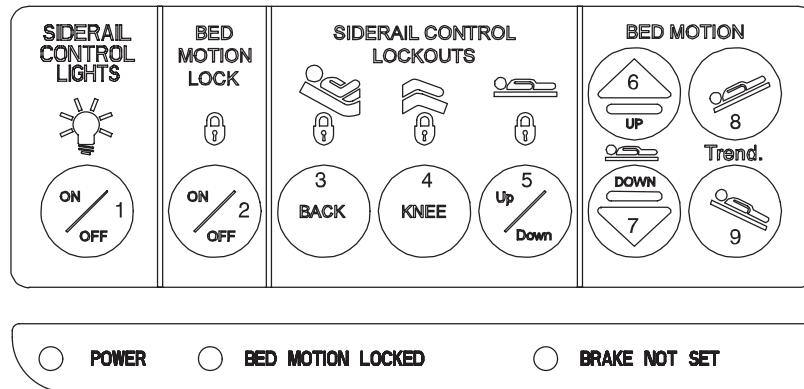
Push to activate the Cardiac Chair function. The Knee will raise, the Back will raise or lower to approximately 52° and the bed will tilt to approximately -12° (-10° if it's a Short Bed) reverse Trendelenburg (foot end down). Release the button to stop bed movement: hold the button until movement stops to complete the function.

- This panel is optional equipment.



# Foot Board Operation Guide

## FOOT BOARD CONTROL PANEL GUIDE



1. Push repeatedly for low, medium and high settings for the siderail control panel lights. Pushing a fourth and fifth time will turn off the siderail lights and the red Nurse Call light respectively (see “Positioning Siderails” section).

### Note

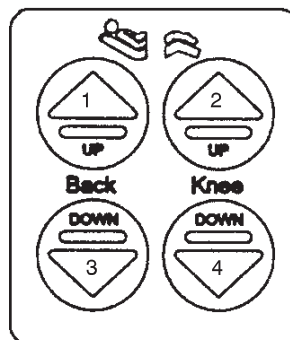
The intent of the red Nurse Call light on the siderails is to ensure the patient immediately knows which button to push to contact the nurse station. Turning the red light off may compromise this ability, especially in a darkened room.

2. Push to lock out all bed motions. The **Motion** lock icon and the “**Bed Motion Locked**” LED will light. Push again to unlock.
3. Push to lock out Back Rest controls at both siderails. The **Head** lock icon will light. Push again to unlock.
4. Push to lock out Knee Gatch controls at both siderails. The **Knee** lock icon will light. Push again to unlock.
5. Push to lock out bed height movement at both siderails. The **Up/Down** lock icon will light. Push again to unlock.
6. Push to raise bed height.
7. Push to lower bed height.
8. Push to lower head end/raise foot end of bed (Trendelenburg position).
9. Push to lower foot end/raise head end of bed (Reverse Trendelenburg position).

### CAUTION

Because individual beds may have different options, foot boards should not be moved from one bed to another. Mixing foot boards could result in unpredictable bed operation.

1. Push to raise Fowler.
  2. Push to raise Knee Gatch.
  3. Push to lower Fowler.
  4. Push to lower Knee Gatch.
- This panel is optional equipment.

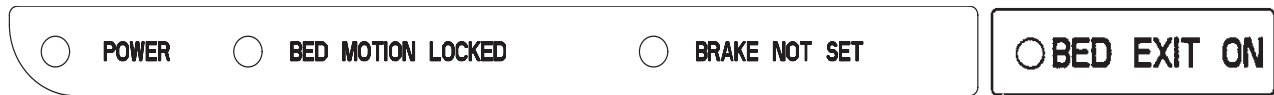


# Foot Board Operation Guide

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## LED DISPLAY PANEL GUIDE

The LED Display Panel is located at the foot end of the bed, under the Control Panel.



**“Power”** - will light when the bed is plugged into the wall receptacle. Will blink if the 9V Nurse Call battery needs to be replaced.

**“Bed Motion Locked”** - will light when the Bed Motion Lock has been activated.

**“Brake Not Set”** - will blink when the brakes have not been set.

**“Bed Exit On”** - will light when the Bed Exit function has been activated (optional equipment).

## FUNCTION LOCKOUT SYSTEM USAGE

1. To lock out the bed movement functions on the siderails and prevent the patient from changing the positioning of the bed, push the “Head”, “Knee” and/or “Up/Down” switches in the “Siderail Control Lockouts” module on the foot board control panel.

### Note

The foot board controls for these motions are not affected by the lockout switches.

The “padlock” symbol on the control panel will be lighted when that function is locked out.

2. To lock out the entire bed motion for all switches on the bed (siderails and foot board), push the “On/Off” switch in the “Bed Motion Lock” module on the foot board control panel.

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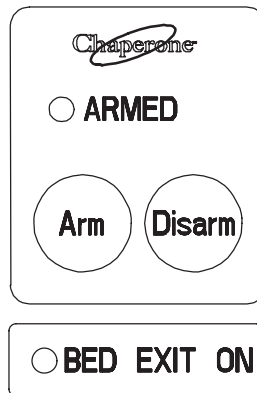
### CAUTION

The lockout buttons on the foot board lock the Fowler, Gatch and Bed Up/Down functions and prevent motion of the bed. It is the responsibility of attending medical personnel to determine whether these functions should be locked and to use the buttons accordingly.

# Foot Board Operation Guide

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## CHAPERONE® BED EXIT (OPTIONAL EQUIPMENT)



### For Beds With A Scale System:

#### Note

If the weigh system is in use, it will switch to “Off” when the “Arm” key is pressed.

1. Before putting the patient on the bed, the weigh system must be zeroed for the Bed Exit System to function properly (see “Preparing the Bed for Patient Stay/Zeroing the Scale System” section for instructions on zeroing the weigh system).
2. Put the patient on the bed and push the “Arm” key to activate the Bed Exit function. The “Armed” light will come on.
3. To deactivate Bed Exit, push the “Disarm” key. The “Armed” and “Bed Exit On” lights will turn off.

### For Beds Without A Scale System:

1. Before putting the patient on the bed, press and hold the “Arm” and the “Disarm” keys together until the “Armed” light begins to flash.
2. Release the “Arm” and the “Disarm” keys and do not touch the bed until the “Armed” light stops flashing.
3. Put the patient on the bed and push the “Arm” key to activate the Bed Exit function. The “Armed” light will come on.
4. To deactivate Bed Exit, push “Disarm”. The “Armed” and “Bed Exit On” lights will turn off.

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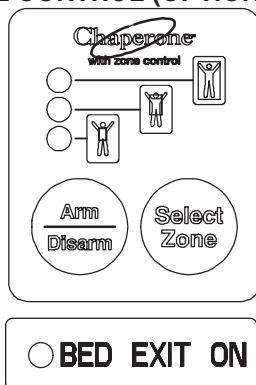
### WARNING

The Bed Exit System is intended only to aid in the detection of a patient exiting the bed. It is NOT intended to replace patient monitoring protocol. It signals when a patient is about to exit. Adding or subtracting objects from the bed after arming the Bed Exit System may cause a reduction in the sensitivity of the Bed Exit System.

To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT, do not initialize (Arm) Bed Exit with Percussion, Vibration, Rotation or Turn-Assist active. The patient motion and position resulting from a dynamic therapy mattress may adversely affect Bed Exit System performance.

# Foot Board Operation Guide

## CHAPERONE® BED EXIT WITH ZONE CONTROL (OPTIONAL EQUIPMENT)



### For Beds With A Scale System:

#### Note

If the weigh system is in use, it will switch to “Off” when Bed Exit is armed.

1. Before putting the patient on the bed, the weigh system must be zeroed for the Bed Exit System to function properly (see “Preparing the Bed for Patient Stay/Zeroing the Scale System” section for instructions on zeroing the weigh system).
2. Put the patient on the bed and push and release the **“Arm/Disarm”** key (top light will come on).
3. The Bed Exit System with Zone Control will automatically select the first zone. To change the zone, push and hold the **“Select Zone”** key until the light indicating the desired zone comes on.
4. To deactivate Bed Exit, push the **“Arm/Disarm”** key. The selected zone light and “Bed Exit On” light will turn off.

### For Beds Without A Scale System:

1. Before putting the patient on the bed, press and hold the **“Arm/Disarm”** and the **“Select Zone”** keys together for 5 seconds. The top light will begin to flash.
2. Release the **“Arm/Disarm”** and the **“Select Zone”** keys and do not touch the bed until the top light stops flashing.
3. Put the patient on the bed and push and release the **“Arm/Disarm”** key (top light will come on).
4. The Bed Exit System with Zone Control will automatically select the first zone. To change the zone, push and hold the **“Select Zone”** key until the light indicating the desired zone comes on.
5. To deactivate Bed Exit, push the **“Arm/Disarm”** key. The selected zone light and “Bed Exit On” light will turn off.

# Foot Board Operation Guide

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## CHAPERONE® BED EXIT WITH ZONE CONTROL (OPTIONAL EQUIPMENT) (CONTINUED)

### CHAPERONE® ZONE SETTINGS

The first zone (top indicator light) is the traditional Bed Exit zone. The patient can move around the bed freely but cannot fully exit the bed or the alarm will sound.

The second zone (middle indicator light) is more restrictive than the first zone. When the zone is selected, the bed measures the location of the patient's center of gravity. If the patient's center of gravity moves from the original location more than 6.5" to either side or 13" toward the head or foot, an alarm will sound.

The third zone (bottom indicator light) is the most restrictive zone. When the zone is selected, the bed measures the location of the patient's center of gravity. If the patient's center of gravity moves from the original location more than 1" to either side or 1" toward the head or foot, an alarm will sound.

#### Note

All zone dimensions are  $\pm 5"$ .

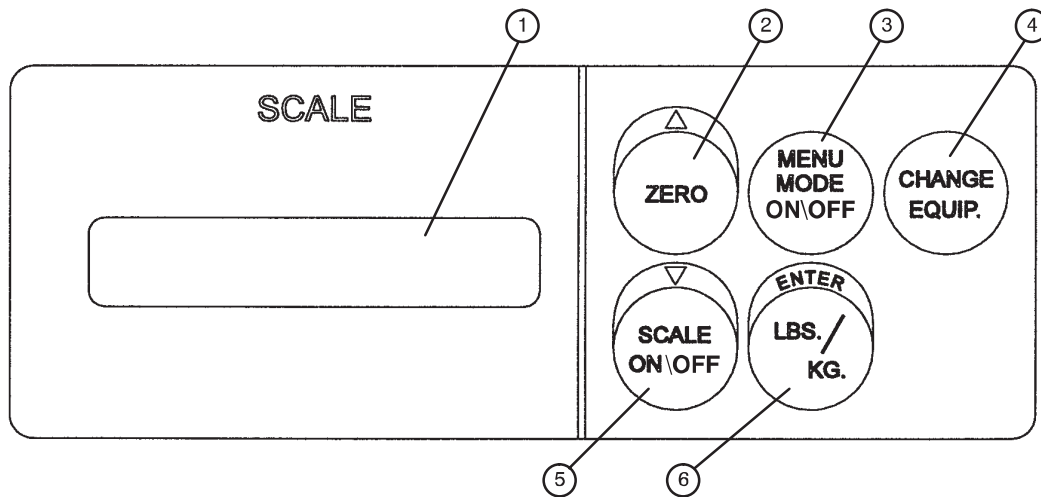


#### WARNING

To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT, do not initialize (Arm) Bed Exit with Percussion, Vibration, Rotation or Turn-Assist active. The patient motion and position resulting from a dynamic therapy mattress may adversely affect Bed Exit System performance.

# Scale System Operation Guide

## SCALE SYSTEM CONTROL PANEL GUIDE (OPTIONAL EQUIPMENT)



1. LCD - displays patient weight. Trendelenburg angle is displayed when the scale is not active.
2. Press to zero bed (see “Preparing the Bed for Patient Stay/Zeroing the Scale System” section). Also press to scroll while Menu Mode is active.
3. Press to enter and exit the Menu Mode.
4. Press when adding or removing equipment to the bed (see “Adding or Removing Items During a Patient’s Stay” section).
5. Press to turn Scale System on and off. Also press to scroll while Menu Mode is active.
6. Press to change weight from pounds to kilograms or back (see “Converting the Patient’s Weight” section). Also press while using the Menu Mode.

### Note

If weight is displayed, Scale On/Off must be pressed to turn off the scale before the Trendelenburg or Fowler angle will display.

### CAUTION

Scale function may be affected by siderail/caster interference. With the litter fully lowered or lowered in Reverse Trendelenburg, the siderails tucked under the litter in the storage position and the casters turned, there is the potential for interference between the siderail and the caster. Raise the siderails when lowering the litter to the full down position to prevent the interference from causing the Scale System to weigh inaccurately.

### WARNING

To avoid possible injury and to assure proper operation when using a powered mattress replacement system such as XPRT:

- Confirm proper Scale System operation following mattress installation. For best results, secure the mattress power cord to prevent damage to the cord and interference with the bed frame and the Scale System.
- Do not zero bed scales or weigh patient with Percussion, Vibration, Rotation or Turn-Assist active. Patient motion and position resulting from the dynamic therapy mattress may adversely affect Scale System performance.

[Return To Table of Contents](#)

# Scale System Operation Guide

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For more detailed operating instructions, see the following:




1. Preparing The Bed For Patient Stay/zeroing The Bed
2. Activating The Scale System And Displaying Patient Weight
3. Adding Or Removing Items During A Patient's Stay
4. Converting The Patient's Weight
5. Displaying The Weight Log
6. Viewing Patient Weight In Gain/loss Mode
7. Changing The Numerical Value Of Displayed Weight

## PREPARING THE BED FOR PATIENT STAY/ZEROING THE SCALE SYSTEM

### Note

Do not zero the bed while a patient is in bed. If this should occur, remove the patient and zero the bed again. If Bed Exit is armed, it must be disarmed before the scales can be zeroed.

- Prepare the bed for the patient's stay by adding/removing linens, pillows, etc.

- Press and release  The scale monitor will read:  
"LET GO FOR SCALE"  
"WEIGHING"  
"XXX.X LB"
- Press and hold  The scale monitor will read:  
"HOLD TO ZERO WT."  
"RELEASE TO ZERO"
- Release  The scale monitor will now read:  
"DO NOT TOUCH BED"  
"0.0 LB"

The bed is now ready for the patient.

### Note

If there is a problem with a load cell or another component of the Scale System, the system will try to zero for 30 seconds, and the scale monitor will read:

"UNABLE TO ZERO"  
"TRY AGAIN"

If the problem continues, after 3 attempts at zeroing, the Scale System will lock and the scale monitor will read:

"Scale Sys. Error"  
"Call for service"

Unplug the bed power cord from the wall socket and plug it back in. If the problem continues, call a service technician.

## ACTIVATING THE SCALE SYSTEM AND DISPLAYING PATIENT WEIGHT

- Press and release  The scale monitor will read:  
"LET GO FOR SCALE"  
"WEIGHING"  
"XXX.X LB"

# Scale System Operation Guide

## ADDING OR REMOVING ITEMS DURING A PATIENT'S STAY




- If it is necessary to add or remove items (monitors, pumps, etc.) during the patient's stay, press and release to activate the Scale System. After the scale monitor reads: "XXX.X LB", press and hold





The scale monitor will read:

"HOLD TO START"  
"RELEASE TO START"




- Release  The scale monitor will read:  
"DO NOT TOUCH BED"  
"ADD/REMOVE EQUIP."
- Add or remove the equipment and press  The scale monitor will read:  
"RELEASE TO FIN."
- Release  The scale monitor will read:  
"DO NOT TOUCH BED"  
"XXX.X LB"

The weight displayed will be that of the patient only.

- If the CHANGE EQUIPMENT function is started but not finished, after approximately 45 seconds the monitor will read:  
"HIT CH. EQ. TO END"
- Press  The scale monitor will read:  
"RELEASE TO FIN."
- Release  The scale monitor will read:  
"DO NOT TOUCH BED"  
"XXX.X LB"

## CONVERTING THE PATIENT'S WEIGHT









- Press and release  The scale monitor will read:  
"WEIGHT NOW KGS"  
"XXX.X KG"
- Repeat the procedure to return to pounds. The display will read:  
"WEIGHT NOW LBS"  
"XXX.X LB"
- If the unit of measurement has been locked, the display will read:  
"UNITS ARE LOCKED"

A service technician must be called to unlock the unit of measurement.

# Scale System Operation Guide

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## DISPLAYING THE WEIGHT LOG










- To display a list of the previous 10 weight readings, press  to activate the Scale System. The scale monitor will read:  
“LET GO FOR SCALE”  
“XXX.X LB”
- Press  to enter the Menu Mode. The scale monitor will read:  
“▲▼ FOR OPTIONS”
- Press  or  to scroll through the menu options. The scale monitor will read:  
“SHOW WEIGHT LOG”  
“PUSH ENTER”
- Press  The scale monitor will read:  
“▲▼ WEIGHT LOG”
- Press  or  to scroll through the weight log. The scale monitor will read:  
“1. 0.0 LB”
- A weight reading is logged each time the  button is pressed and the bed is in the scale mode for at least 15 seconds.

The first weight reading displayed (1.) is the most recent. If the change in the patient's weight since the last reading was taken is less than .2 pounds, the log will not update. Zeroing the Scale System clears the weight log.

# Scale System Operation Guide

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## VIEWING PATIENT WEIGHT IN GAIN/LOSS MODE

- To view the patient's weight and to begin totaling the amount of weight the patient has gained or lost, press  to activate the Scale System. The scale monitor will read:  
"LET GO FOR SCALE"
- Press  to enter the Menu Mode. The scale monitor will read:  
"▲▼ FOR OPTIONS"
- Press  or  to scroll through the menu options. The scale monitor will read:  
"START GAIN/LOSS"  
"PUSH ENTER"
- Press  The scale monitor will read:  
"DO NOT TOUCH BED"  
"XXX.X LB G XX.X"
- To exit Gain/Loss mode, press  to enter the Menu Mode. The scale monitor will read:  
" FOR OPTIONS"
- Press  to  to scroll through the menu options. The scale monitor will read:  
"QUIT GAIN/LOSS"  
"PUSH ENTER"
- Press  The scale monitor will read:  
"XXX.X LB"


# Scale System Operation Guide

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
## CHANGING THE NUMERICAL VALUE OF DISPLAYED WEIGHT

- To decrease the numerical value of the displayed weight, press  to activate the Scale System. The scale monitor will read:


“LET GO FOR SCALE”  
“XXX.X LB”

- Press  to enter the Menu Mode. The scale monitor will read:



“▲▼ FOR OPTIONS”

- Press  or  to scroll through the menu options. The scale monitor will read:

“CHNG. PTNT. WGT.”  
“PUSH ENTER”

- Press  The scale monitor will read:

“HOLD ▲ TO INC.”  
“▼ TO DEC.”

- Press  to decrease the displayed weight or  to increase the displayed weight.

- Once the desired weight is displayed, press  The scale monitor will read:

“XXX.X LB”

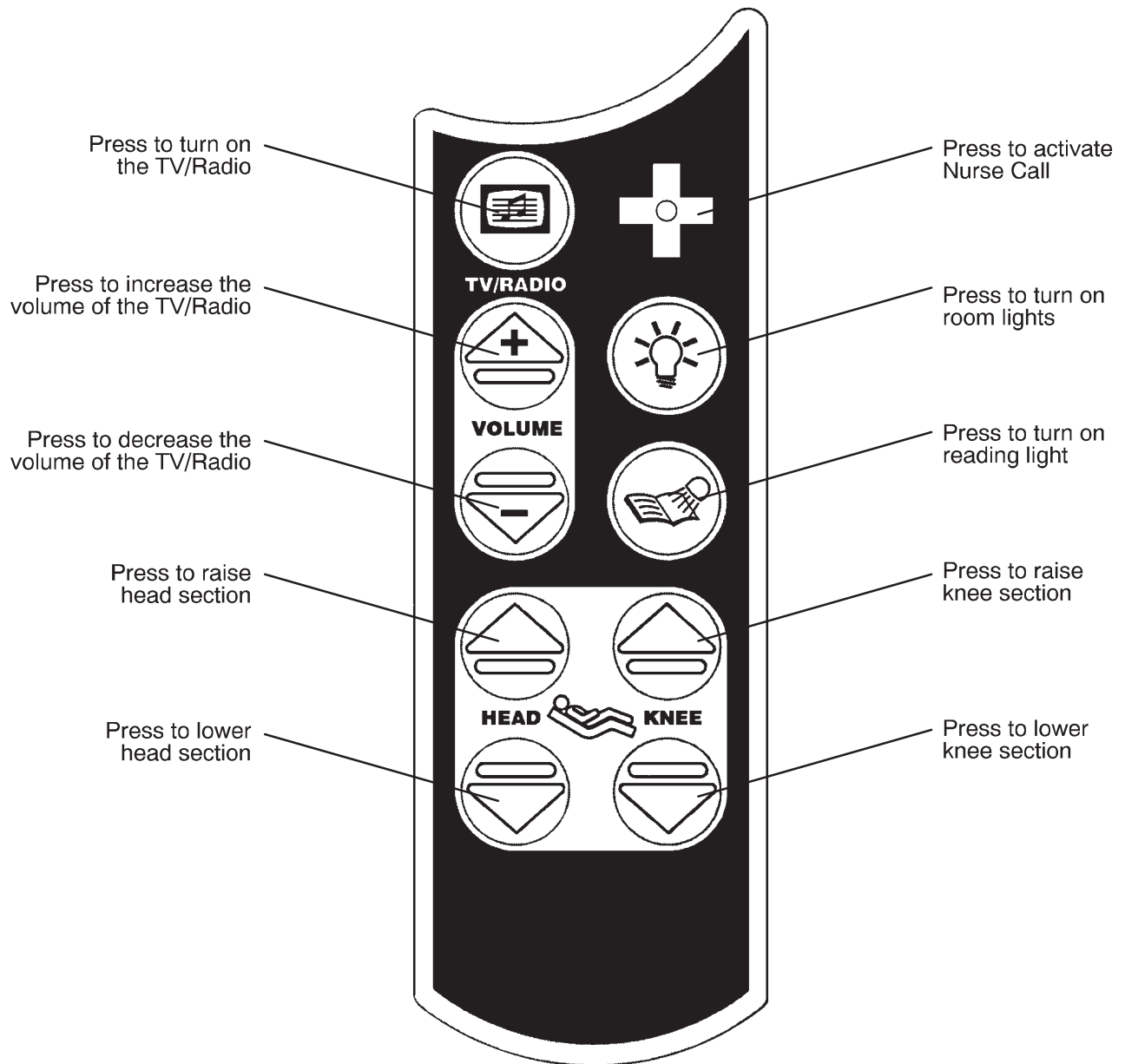
### Note

If one of the load cells is malfunctioning or overloaded, the scale monitor will read:

“Scale Sys. Error”  
“Call for service”

Call a service technician.

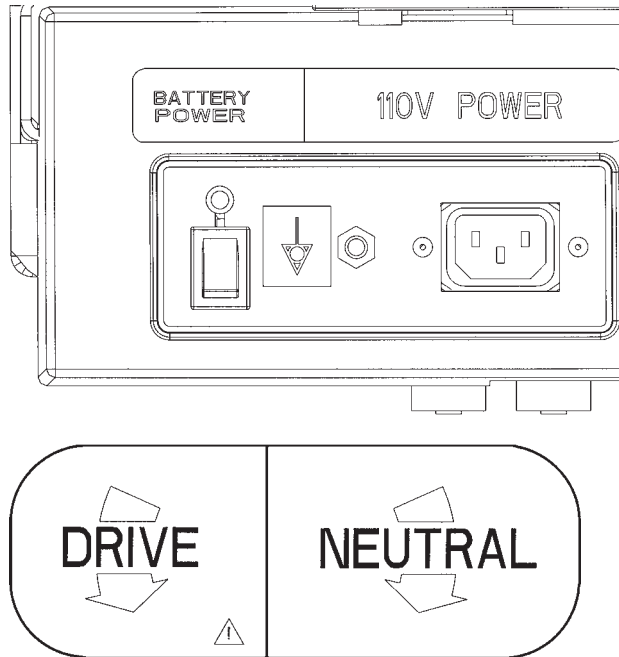
## Optional Pendant Operation



# Zoom® Option Operation Guide

## DRIVE WHEEL OPERATION

1. Unplug the power cord from the wall socket and secure the cord sufficiently to prevent entanglement while the unit is in motion. The drive wheel will not operate if the power cord is plugged into the wall socket.
2. Activate the power to the drive wheel by placing the battery power switch located at the left side of the head end of the litter in the “On” position. The LED will illuminate.
3. Engage the drive wheel by rotating the pedal located at the head end to the left as shown on the label. To place the drive wheel in the neutral position, rotate the pedal to the right.
4. Release the brakes. The drive system will not function while the brakes are engaged. The “Release Brakes” LED on the head end control panel will be illuminated if the brakes are engaged while the battery power switch is on.



### WARNING

Use Caution while maneuvering the unit with the drive wheel activated. Always ensure there are no obstacles near the unit while the drive wheel is activated. Injury to the patient, user or bystanders or damage to the unit or surrounding equipment could occur if the unit collides with an obstacle.

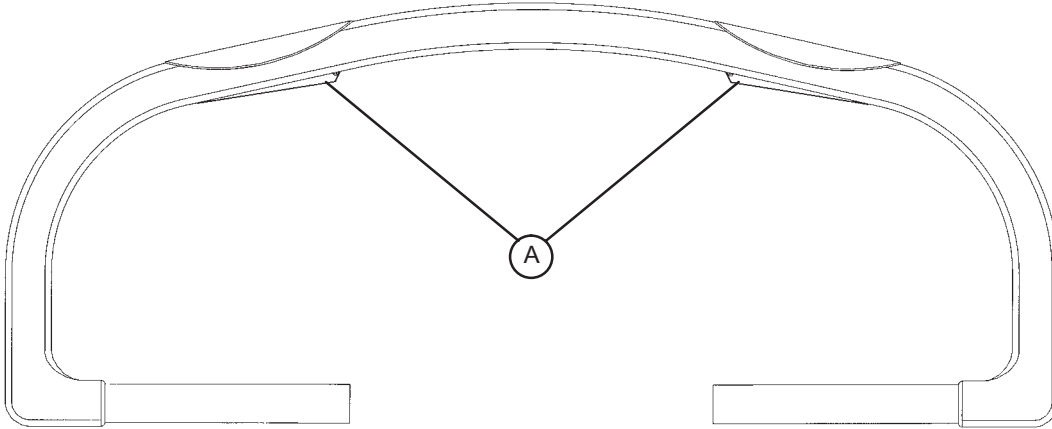
Use caution when transporting the unit down halls, through doors, in and out of elevators, etc. Damage to the siderails or other parts of the unit could occur if the unit comes in contact with walls or door frames.

# Zoom® Option Operation Guide

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## DRIVE WHEEL OPERATION (CONTINUED)

5. Grasp the drive handle at the two raised grip areas. Squeeze either of the motion release switches (A) located under the handle to enable the movement of the drive wheel. Either or both switches will enable movement but both switches must be released to stop movement.



6. While continuing to squeeze the switch(es), push the handle away from you or pull the handle toward you to initiate motion in that direction. The forward speed will increase proportionally to the distance the drive handle is moved. I.E. the farther forward the drive handle is pushed, the faster the unit will move. To stop motion, remove your hands from the switches and the handle.

### Note

The drive wheel does not pivot. The unit cannot be moved directly sideways with the drive wheel engaged. With the drive wheel pedal in the neutral position and the unit's brakes released, the unit can be moved in any direction including sideways.

Driving a Zoom® - equipped unit over liquids or slick surfaces could decrease the traction of the drive wheel.



### WARNING

Put the drive wheel in the neutral position and release the brakes before pushing the unit manually. Do not attempt to push the unit manually with the drive wheel engaged. The unit will be difficult to push and injury could result.

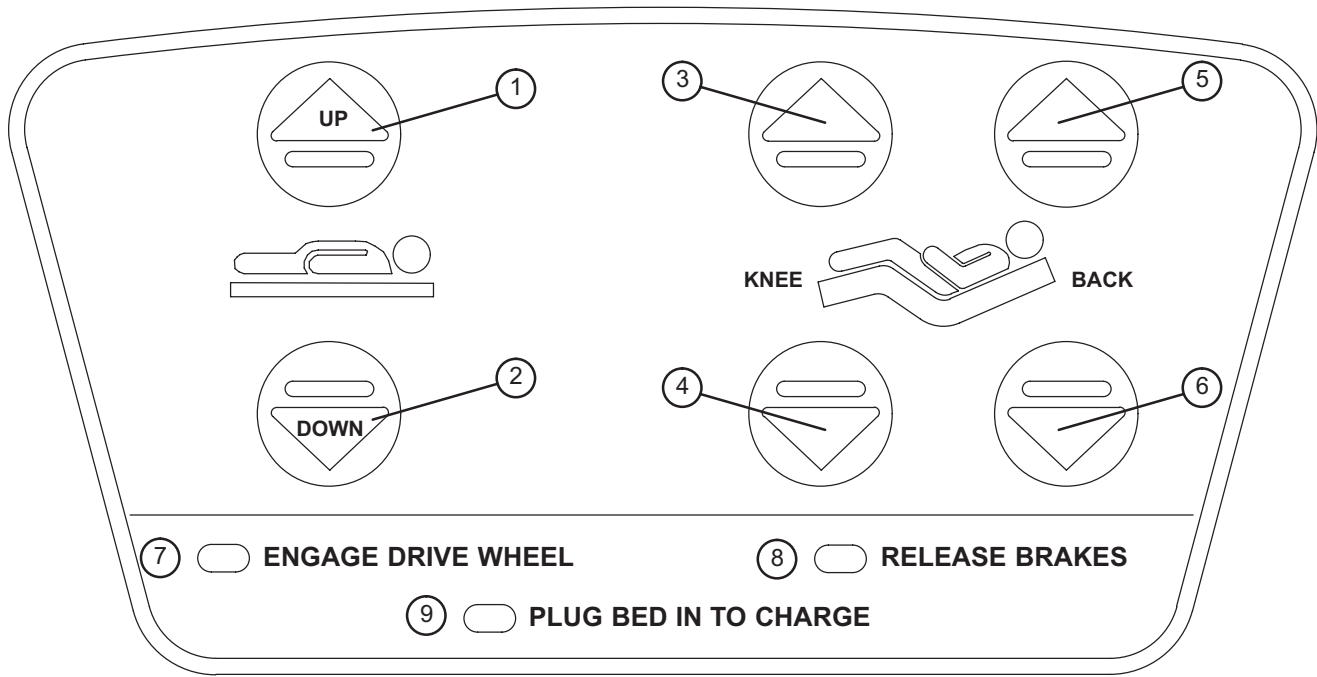


### CAUTION

When attaching equipment to the frame, ensure it will not impede normal operation. For example: hooks on hanging equipment must not actuate control buttons, equipment must not hide the Nurse Call button, etc.

# Zoom® Option Operation Guide

## HEAD END CONTROL PANEL OPERATION



1. Press and hold to raise the litter.
2. Press and hold to lower the litter.
3. Press to raise the Knee section.
4. Press to lower the Knee section.
5. Press to raise the Back section.
6. Press to lower the Back section.
7. The "Engage Drive Wheel" LED will be illuminated whenever the battery power switch is on and the drive wheel pedal is in the neutral position. The light will go off when the drive wheel is in the drive position.
8. The "Release Brakes" LED will be illuminated whenever the bed's brakes are engaged while the battery power switch is on. The light will go off when the brakes are disengaged.
9. The "Plug Bed In To Charge" LED will be illuminated while the battery power switch is on if the battery level is low. Plug the bed power cord into the wall socket to charge the batteries.

# Zoom® Option Operation Guide

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## BATTERY CHARGING AND OPERATION

### Note

The bed may be equipped with a battery backup option without the Zoom® drive wheel.

1. The unit has two 12V batteries to provide power to the drive wheel and backup power to the unit functions if the power cord is unplugged from the wall socket. Neither the unit functions nor the drive wheel will operate properly if the batteries are not sufficiently charged. The batteries require approximately 10 hours of charging time when they are fully discharged.
2. The batteries are charging whenever the power cord is plugged into a properly grounded, hospital grade wall socket. When the unit is stationary, the power cord should be plugged into a wall socket whenever possible.

### Note

The battery will operate under slightly decreased power until it has run through 10-15 cycles of usage and recharging.

3. The “Plug Bed In To Charge” LED on the Head End Control Panel will be illuminated while the battery power switch is on if the battery level is low (see “Head End Control Panel Operation” section). Plug the power cord into a wall socket to charge the batteries.
4. After one hour on battery power with no motion release switch activation, the unit will enter power save mode and none of the unit’s powered functions will operate. Squeeze either of the motion release switches located under the drive handle to enable the unit functions.

### Note

The three LED’s on the Head End Control Panel may still be illuminated when the unit is in power save mode. The Battery Power LED located at the left side of the head end of the unit will be illuminated when the unit is in power save mode.



### WARNING

The power save mode is activated after one hour on battery power with no motion release switch activation. Functions including Bed Exit, Scale and Motion will cease to operate when the unit enters the power save mode. Injury to the patient could occur if proper patient monitoring protocol is not observed.

# Preventative Maintenance

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## CHECKLIST

- \_\_\_\_\_ All fasteners secure (reference all assembly prints)
- \_\_\_\_\_ Engage brake pedal and push on the bed to verify all casters lock securely
- \_\_\_\_\_ “Brake Not Set” LED (on foot board) blinks when brakes are not engaged
- \_\_\_\_\_ Locking steer caster engages and disengages properly
- \_\_\_\_\_ Siderails move, latch and stow properly
- \_\_\_\_\_ CPR release working properly
- \_\_\_\_\_ Optional Foot prop intact and working properly
- \_\_\_\_\_ I.V. pole working properly
- \_\_\_\_\_ Foley bag hooks intact
- \_\_\_\_\_ Optional CPR board not cracked or damaged and stores properly
- \_\_\_\_\_ No cracks or splits in head and foot boards
- \_\_\_\_\_ No rips or cracks in mattress cover
- \_\_\_\_\_ All functions on head end siderails working properly (including LED’s)
- \_\_\_\_\_ All functions on footboard working properly (including LED’s)
- \_\_\_\_\_ Optional Scale and Bed Exit Systems calibrated properly
- \_\_\_\_\_ Motion Interrupt switches working properly
- \_\_\_\_\_ Night light working properly
- \_\_\_\_\_ Power cord not frayed
- \_\_\_\_\_ No cables worn or pinched
- \_\_\_\_\_ All electrical connections tight
- \_\_\_\_\_ All grounds secure to the frame
- \_\_\_\_\_ Ground impedance not more than 100 milliohms
- \_\_\_\_\_ Current leakage not more than 300uA
- \_\_\_\_\_ Apply grease to litter grease points
- \_\_\_\_\_ Engage drive wheel and ensure it is operating properly (Zoom® option)
- \_\_\_\_\_ Motion release switches working properly (Zoom® option)
- \_\_\_\_\_ Confirm Head End Control Panel functionality (Zoom® option)
- \_\_\_\_\_ Confirm battery powered functionality (Zoom® option)
- \_\_\_\_\_ Ensure the ground chains are clean, intact, and have at least two links touching the floor.

Bed Serial No. \_\_\_\_\_

|       |       |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Completed by: \_\_\_\_\_ Date: \_\_\_\_\_

# Cleaning

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Hand wash all surfaces of the bed with warm water and mild detergent. Dry thoroughly. Do not steam clean or hose off the Secure II Bed. Do not immerse any part of the bed. Some of the internal parts of the bed are electric and may be damaged by exposure to water.

Suggested cleaners for bed surfaces:

Quaternary Cleaners (active ingredients - ammonium chloride)

Phenolic Cleaners (active ingredient - o-phenyl phenyl)

Chlorinated Bleach Solution (5.25% - less than 1 part bleach to 100 parts water)

Avoid over-saturation and ensure the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.



## CAUTION

**Some cleaning products are corrosive in nature and may cause damage to the product if used improperly.** If the products described above are used to clean Stryker patient care equipment, measures must be taken to insure the beds are wiped with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, possibly causing premature corrosion of critical components. Failure to follow the above directions when using these types of cleaners may void this product's warranty.

For mattress cleaning instructions, please see the tag on the mattress, or contact the mattress manufacturer.

Clean Velcro® **after each use**. Saturate Velcro® with disinfectant and allow disinfectant to evaporate. (Appropriate disinfectant for nylon Velcro® should be determined by the hospital.)

# Troubleshooting Guide

## Note

See “Bed Circuit Boards” section for an outline of bed PCB's and voltage test points.

| Problem / Failure | Recommended Action   |
|-------------------|--|
| No power to bed   | <ul style="list-style-type: none"><li>A. Verify the power cord connections at the wall and the bed.</li><li>B. Check circuit breakers, under the litter/gatch section on the patient left side. If the circuit breaker is tripped, reset it by pushing in.</li><li>C. Check for 120VAC at J1 on the power supply, Pin 1 and 2.</li><li>D. Check for DC voltages on J2 (Pins 1, 2, 3 &amp; 6) on power supply. See “Power Supply” in Bed Circuit Boards section for power supply voltage test points.<ul style="list-style-type: none"><li>a. If voltage is present, check connector W on the CPU board and check for the same DC voltages. If OK, go to step E.</li><li>b. If voltage is not present, unplug connector W on the CPU board and recheck for DC voltages at J2 on the power supply.<ul style="list-style-type: none"><li>1. If voltages come back, re-connect cable W to the CPU board, and go to step c.</li><li>2. If DC voltage does not come back, replace the power supply.</li></ul></li><li>a. Unplug all connectors except for F, FF, O, and W from the CPU board and recheck voltages on connector W.<ul style="list-style-type: none"><li>1. If DC voltages come back, plug the cable connections back in until problem comes back, isolate the problem to a component or assembly.</li><li>2. If DC voltages do not come back, replace the CPU board.</li></ul></li></ul></li><li>E. Check for 120VAC at connector O on the CPU board.<ul style="list-style-type: none"><li>a. If voltage is present, replace the CPU board.</li></ul></li><li>F. Verify bed function and return to service.</li></ul> |

# Troubleshooting Guide

| Problem / Failure  | Recommended Action  |
|--------------------|---|
| No bed down motion | <ul style="list-style-type: none"> <li>A. Enter diagnostics, (see Scale System Diagnostics and Calibration section) and press bed down.               <ul style="list-style-type: none"> <li>a. If motion is not present, verify the two wire connection is present on connector Z.                   <ul style="list-style-type: none"> <li>1. Test bed down motion, if motion is present then go to step D.</li> </ul> </li> <li>b. If motion is present, re-burn lift potentiometer limits, see Lift Potentiometer "Burn-In" Procedure.</li> </ul> </li> <li>B. Check for 5VDC on TP 9 (HL) and TP 7 (FL), reference ground test point while pushing the bed down button.               <ul style="list-style-type: none"> <li>a. If 5VDC is present, go to step C.</li> <li>b. If 5VDC is not present, replace CPU board.</li> </ul> </li> <li>C. Check for 120VAC power on connector N (HL) and G (FL), pin 1 white and pin 3 black, of the CPU board, while pressing bed motion up.               <ul style="list-style-type: none"> <li>a. If voltage is not present, replace CPU board.</li> <li>b. If voltage is present:                   <ul style="list-style-type: none"> <li>1. Verify the motors are running, if so, replace lift couplers.</li> <li>2. If motors are not running, check voltage at motor connection.</li> <li>3. If voltage is present at motor, check capacitors or motors.</li> </ul> </li> </ul> </li> <li>D. Verify bed function and return to service.</li> </ul> |
| No bed up motion   | <ul style="list-style-type: none"> <li>A. Enter diagnostics, (see Scale System Diagnostics and Calibration section) and press bed up.               <ul style="list-style-type: none"> <li>a. If motion is not present, got to step B.</li> <li>b. If motion is present, re-burn lift potentiometer limits, see Lift Potentiometer "Burn-In" Procedure.</li> </ul> </li> <li>B. Check for 5VDC on TP 10 (HL) and TP 8 (FL) on the CPU board, reference ground test point while pushing the bed up button.               <ul style="list-style-type: none"> <li>d. If 5VDC is present, go to step C.</li> <li>e. If 5VDC is not present, replace CPU board.</li> </ul> </li> <li>C. Check for 120VAC power on connector N (HL) and G (FL), pin 1 white and pin 6 red, of the CPU board while pressing bed motion up.               <ul style="list-style-type: none"> <li>a. If voltage is not present, replace CPU board.</li> <li>b. If voltage is present:                   <ul style="list-style-type: none"> <li>1. Verify the motors are running, if so, replace lift couplers.</li> <li>2. If motors are not running, check voltage at motor connection.</li> <li>3. If voltage is present at motor, check capacitors or motors.</li> </ul> </li> </ul> </li> <li>D. Verify bed function and return to service.</li> </ul>   |

# Troubleshooting Guide

| Problem / Failure     | Recommended Action  |
|-----------------------|---|
| No Fowler down motion | <p>A. Check for 5VDC on TP4 on the CPU board, reference ground test point while pushing the fowler down button.</p> <ol style="list-style-type: none"> <li>If 5VDC is present, go to step B.</li> <li>If 5VDC is not present, replace CPU board.</li> </ol> <p>B. Check for 120 VAC on connector GG, Pin 1 (white) and pin3 (red), of the CPU board while pressing Fowler down.</p> <ol style="list-style-type: none"> <li>If voltage is not present, replace the CPU board</li> <li>If 5VDC is present, check the capacitor and motor.</li> </ol> <p>C. Verify bed function and return to service.</p>       |
| No Fowler up motion   | <p>A. Check for 5VDC on TP 3 on the CPU board, reference ground test point while pushing the fowler up button.</p> <ol style="list-style-type: none"> <li>If 5VDC is present, go to step B.</li> <li>If 5VDC is not present, replace CPU board.</li> </ol> <p>B. Check for 120VAC on connector GG, Pin 1 (white) and pin 2 (black), of the CPU board while pressing Fowler up.</p> <ol style="list-style-type: none"> <li>If voltage is not present, replace the CPU board</li> <li>If 5VDC is present, check the capacitor and motor.</li> </ol> <p>C. Verify bed function and return to service.</p>        |
| No Gatch up motion    | <p>A. Check for 5VDC on TP 6 on the CPU board, reference ground test point while pushing the gatch up button.</p> <ol style="list-style-type: none"> <li>If 5VDC is present, go to step B.</li> <li>If 5VDC is not present, replace CPU board.</li> </ol> <p>B. Check for 120VAC on connector CC, pin 1 (black) and pin3 (white), of the CPU board while pressing gatch up.</p> <ol style="list-style-type: none"> <li>If voltage is not present, replace the CPU board</li> <li>If 5VDC is present, check the capacitor and motor.</li> </ol> <p>C. Verify bed function and return to service.</p>           |
| No Gatch down motion  | <p>A. Check for 5VDC on TP 5 on the CPU board, reference ground test point while pushing the gatch down button.</p> <ol style="list-style-type: none"> <li>If 5VDC is present, go to step B.</li> <li>If 5VDC is not present, replace CPU board.</li> </ol> <p>B. Check for 120VAC power on connector CC, pin 2 (red) and pin 3 (white), of the CPU board while pressing gatch down.</p> <ol style="list-style-type: none"> <li>If voltage is not present, replace the CPU board.</li> <li>If 5VDC is present, check the capacitor and motor.</li> </ol> <p>C. Verify bed function and return to service.</p> |

# Optional ZOOM Troubleshooting Guide

This section of the troubleshooting guide includes the Zoom® self-propelled drive and the battery backup functions. When using this guide, assume the bed is functioning properly when powered by the AC line cord with the exception of the battery charging components.

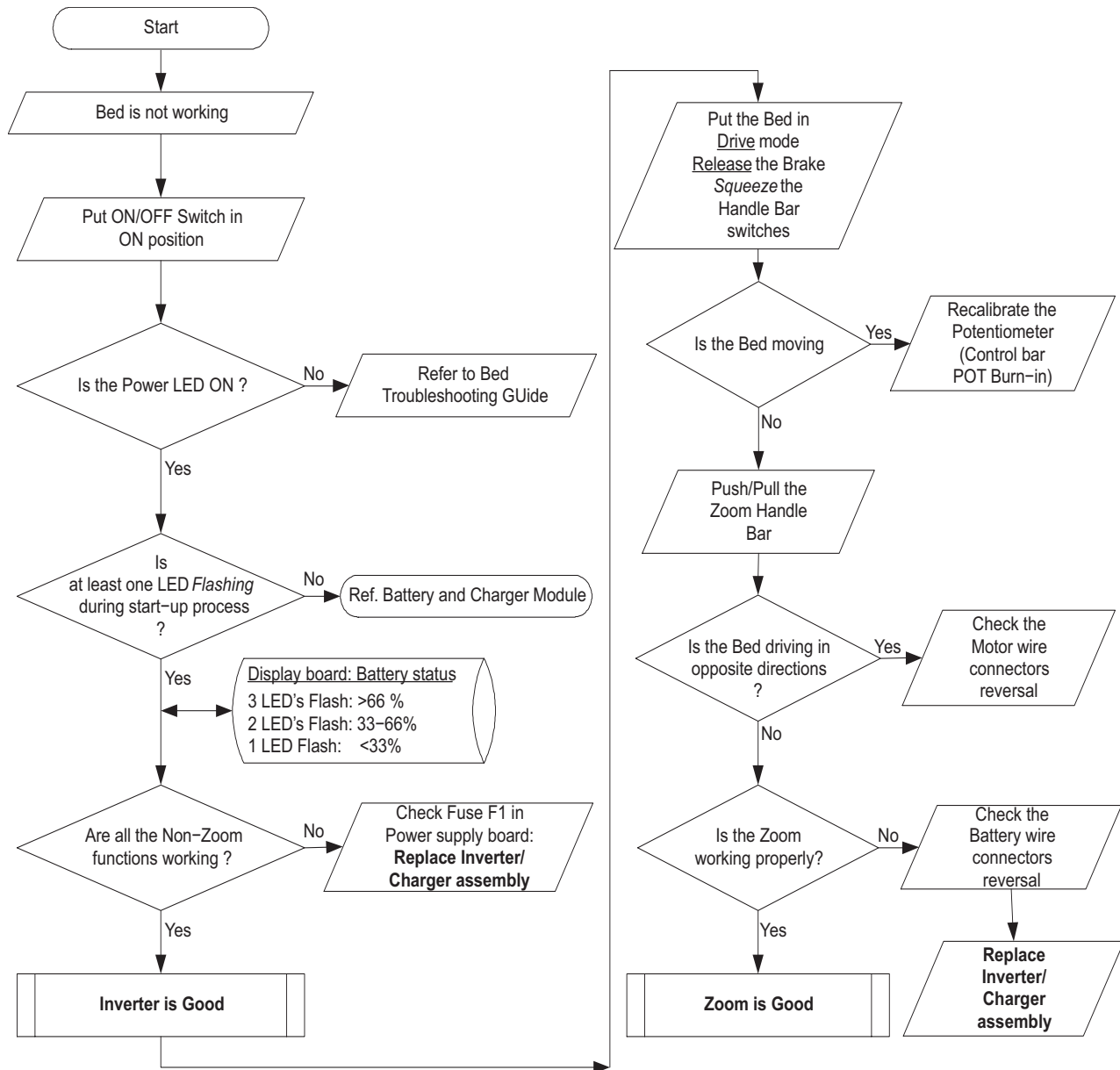
| Problem/Failure   | Possible Cause  | Recommended Action  |
|---|---|---|
| On/Off switch is in the On position but the power LED is Off and the bed does not function.                           | No DC voltage from the batteries.   | A. Check the circuit breakers at the head end of the bed.<br>B. Verify the battery voltage is greater than 24VDC.<br>C. Check the battery fuse - replace if necessary (2040-001-802).<br>D. Check the cable connections from the batteries to the display board.<br>E. Check the On/Off switch and cabling.   |
| On/Off switch is in the on position, the power LED is on but the bed does not function.                               | Display board is not functioning or is locking out all functions.   | A. Check the safety switches on the drive bar.<br>B. Verify the battery voltage is greater than 24VDC.<br>C. Verify the display board is functioning (see note below).<br>D. Check all cable connections on the display and power boards.   |
| On/Off switch is in the on position, the power LED is on, the Zoom® drive works but the battery backup does not work. | The thermostat on the inverter/charger board has tripped, indicating a temperature above 110° C (230° F). | A. Wait approximately 3-5 minutes to allow the inverter/charger board to cool down.   |
| The Zoom® drive does not work - the bed does not drive - but all other functions are working.                         | Zoom® drive circuitry is not responding.  | A. Verify the display board is functioning (see note below).<br>B. Perform the "Zoom® Option Control Bar Potentiometer 'Burn-In' Procedure".<br>C. Check the control bar potentiometer. When the bar is centered, there should be 2.25VDC - 2.75VDC between pin 1 and pin 2 on header 1 on the display/CPU board (see "Zoom® Option Display/CPU Board - 2040-031-900")<br>D. Check all cable connections on the display and power boards.<br>E. Verify the power board is functioning.<br>F. Verify the drive wheel is functioning. |
| The Zoom® drive does work - the bed will drive - but all other bed functions are not working.                         | No AC power from the Zoom® base.  | A. Check AC voltage coming out of the inverter. It should be 120VAC between pin 1 and pin 4 on header 5 on the AC crossover board (see page 52)<br>B. Check all cable connections from the batteries to the converter.<br>C. Check the AC crossover board.  |
| The bed power cord is plugged in but the battery does not charge  | The battery charger is not functioning.   | A. Check the circuit breakers on the litter.<br>B. Check the battery charger.<br>C. Check all cable connections on the charger.   |

## Note

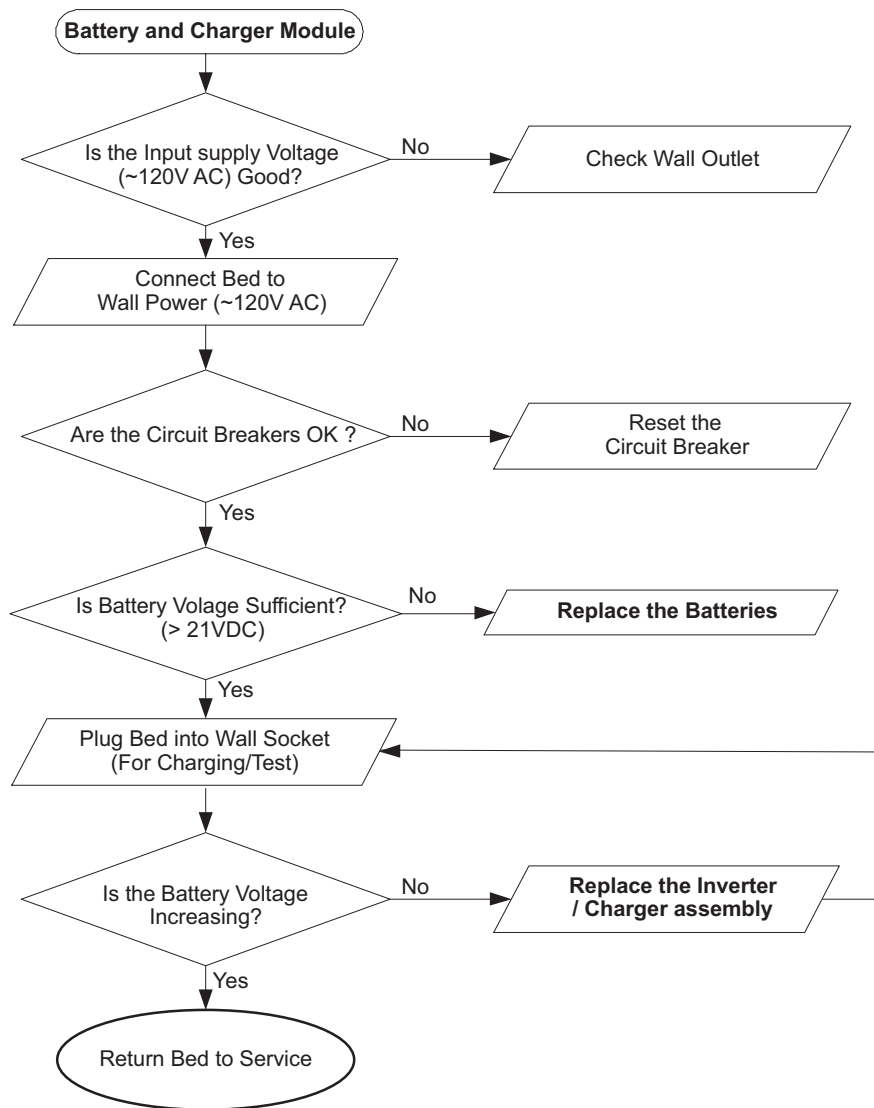
The display board will display the state of battery charge when the bed is first powered using the On/Off switch:  
 Three LED's flash = 66% - 100% charged  
 One LED flashes = less than 33% charged  
 Two LED's flash = 33% - 66% charged  
 No LED's flash = No significant charge remaining.

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# Optional Zoom® Inverter/Charger, Battery Troubleshooting



# Optional Zoom® Inverter/Charger, Battery Troubleshooting



# Quick Reference Replacement Parts List

## Note

The parts and accessories listed on this page are all currently available for purchase. Some of the parts identified on the assembly drawing parts in this manual may not be individually available for purchase. Please call Stryker Customer Service USA: 1-800-327-0770 (Option 2), Canada: 1-888-233-6888 for availability and pricing.

| Part Name  | Part Number  |
|--|--------------|
| <b>Electrical Components</b>                     |              |
| Foot Board Keyboard (S/R Lights, Lockouts, etc.) | 3001-500-028 |
| Foot Board Scale Display                         | 3002-507-900 |
| Foot Board Scale Keyboard                        | 3002-507-910 |
| Foot Board Bed Exit Keyboard                     | 3001-508-900 |
| CPU Board  | 3002-407-950 |
| Power Supply                                     | 0059-157-000 |
| Siderail Board, Inside                           | 3001-400-930 |
| Siderail Board, Outside                          | 3001-400-910 |
| Siderail Speaker with Cable                      | 3000-403-831 |
| Night Light Circuit Board                        | 3002-310-900 |
|  |              |
| <b>Other Components</b>                          |              |
| Beeper Kit, Bed Exit, Low Sounding               | 3002-700-029 |
| Beeper Kit, Bed Exit, High Sounding              | 3002-700-030 |
| Capacitor, Fowler                                | 0059-780-000 |
| Capacitor, Fowler, 230V                          | 3221-300-453 |
| Capacitor, Gatch                                 | 0059-779-000 |
| Capacitor, Gatch, 230V                           | 0059-153-000 |
| Capacitor, Lift                                  | 0059-778-000 |
| Capacitor, Lift, 230V                            | 3221-200-243 |
| Caster, 6"                                       | 3001-200-060 |
| Caster, Steer, 6"                                | 3001-200-050 |
| Caster, 8", Optional                             | 3001-200-090 |
| Caster, Steer, 8", Optional                      | 3001-200-080 |
| Coil Cord, Lift Power                            | 3001-200-824 |
| Coil Cord, Lift Sensor                           | 3001-200-815 |
| Coil Cord, Litter Power                          | 3001-300-844 |
| Coil Cord, Litter Signal                         | 3001-300-846 |
| Fowler Brake Kit                                 | 3001-300-775 |
| Load Cell  | 3002-307-057 |

## Quick Reference Replacement Parts List

| Part Name                                      | Part Number  |
|--|--------------|
| Motor Coupler Kit, Lift                        | 3000-200-725 |
| Motor, Fowler with Clutch                      | 3001-300-705 |
| Motor, Fowler with Clutch, Short Bed           | 3001-342-705 |
| Motor, Fowler with Clutch, 230V                | 3221-300-705 |
| Motor, Gatch                                   | 2025-232-070 |
| Motor Gatch, 230V                              | 2026-232-070 |
| Motor, Lift (Same for Head and Foot End)       | 3000-200-213 |
| Motor, Lift, 230V (Same for Head and Foot End) | 3221-200-213 |
| Paint, Touch-Up, Opal, Bottle with Brush       | 7000-001-321 |
| Paint, Touch-Up, Opal, Spray Can               | 7000-001-318 |
| Potentiometer, Foot End                        | 3001-200-230 |
| Potentiometer, Head End                        | 3001-200-240 |
| Power Cord                                     | 3002-700-049 |
| Single Tube of Grease                          | 3000-200-700 |
| Head/Foot Board "C" Bumper Adhesive            | 0072-002-071 |
|  |              |
| <b>Zoom® Option Components</b>                 |              |
| Drive Potentiometer with Cable                 | 2040-031-804 |
| Drive Wheel Motor                              | 3002-001-072 |
| On/Off Switch                                  | 0059-191-000 |
| Transformer                                    | 3002-001-010 |
| Zoom® Inverter/Charger Board                   | 3002-001-030 |
| Zoom® Display/CPU Board                        | 2040-031-910 |
| Zoom® AC Crossover Board                       | 2040-031-900 |

# Service Information

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## BRAKE PEDAL REPLACEMENT

### TOOLS REQUIRED:

- 5/16" Hex Allen Wrench
- Torque Wrench
- Loctite 242
- Hammer
- Punch
- #2 Phillips Screwdriver

### PROCEDURE:

1. Unplug the bed power cord from the wall socket.
2. Using a #2 Phillips screwdriver, remove the three screws holding both the head end and the foot end upper lift covers. If desired, hold the covers out of the way by using bungee cords (or the equivalent) to secure them to the litter top.
3. Using a 5/16" hex Allen wrench, remove the two bolts holding the brake pedal to the brake rod.
4. Using a hammer and punch, remove the roll pins holding the brake shaft crank to the brake rod on both the head and the foot end.
5. Push the brake rod through the frame until the brake pedal is clear. Remove the brake pedal.
6. Reverse the above steps to attach the new brake pedal.

### Note

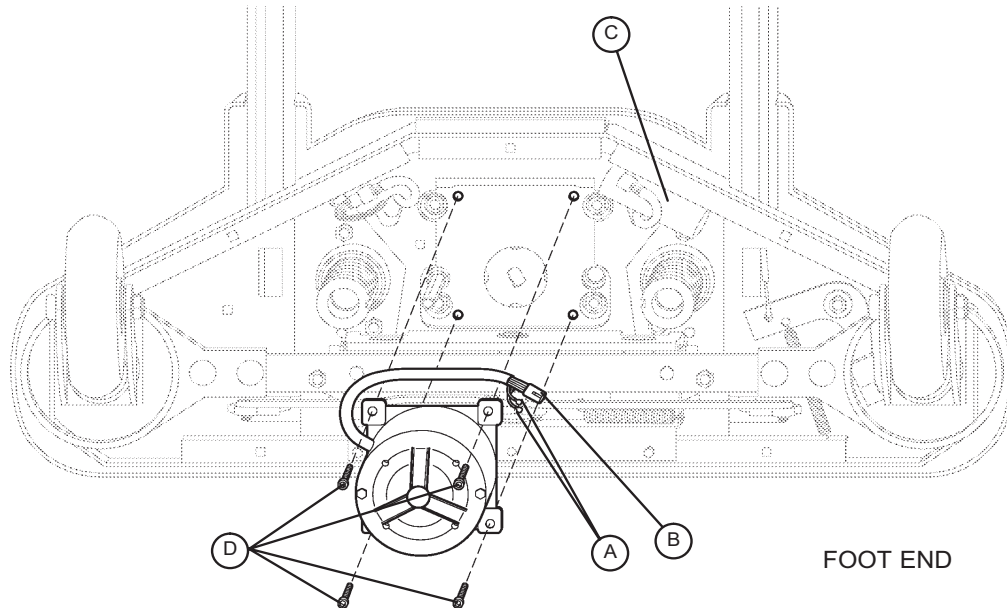
Use Loctite 242 when reinstalling the bolts and torque the bolts to 25 foot-pounds.

# Service Information

## LIFT MOTOR AND CAPACITOR REMOVAL AND REPLACEMENT

### TOOLS REQUIRED:

- 3/8" Socket Wrench w/Extension
- 5/16" Socket Wrench
- Floor Jack
- Side Cutters
- 7/16" Open End Wrench
- 2x4 (or Equivalent)



### PROCEDURE:

#### Note

If you need more space to work under the base frame, place a 2x4 across the base frame rails and use a floor jack to raise the base frame off the floor.

1. Unplug the bed power cord from the wall socket. Using a 5/16" socket wrench, remove the five bolts holding the lower lift cover to the base and remove the cover.
2. Disconnect the two connectors (A) at the motor capacitor.
3. Disconnect the white connector (B) from the power cord.
4. Using side cutters, cut the cable ties holding the capacitor (C) to the base and remove the capacitor.
5. Using a 3/8" socket wrench, remove the four screws (D) holding the motor assembly in the lift housing and remove the motor assembly.
6. Reverse the above steps to install the new motor.

#### Note

The drive shaft on the new motor probably will have to be turned to be aligned with the coupler. Use a 7/16" open end wrench to turn the drive shaft of the motor.

The procedure for lift motor and capacitor removal and replacement is the same for both ends of the bed.

# Service Information

---

## LIFT HOUSING REMOVAL AND REPLACEMENT

### TOOLS REQUIRED:

- #2 Phillips Screwdriver
- Bungee Cord (or equivalent)
- 5/16" Socket Wrench
- Side Cutters
- 9/16" Socket Wrench
- 5/16" Nut Driver
- 7/32" Hex Allen Socket Wrench
- Sawhorses (or equivalent)
- T27 Torx
- 3/8" Socket Wrench (with approximately 6" extension)

### PROCEDURE:

1. Unplug the bed power cord from the wall socket.
2. Using a 5/16" socket wrench, remove the five bolts holding the lower lift cover to the base and remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws holding the upper lift cover to the base.
4. If you are working on the foot end of the bed, use a T27 Torx to remove the screw holding the litter access panel to the litter.
5. Remove the lift motor and capacitor (refer to procedure "Lift Motor and Capacitor Removal and Replacement").
6. Remove lift potentiometer (refer to procedure "Lift Potentiometer Replacement and Adjustment").
7. Using a 5/16" socket wrench, remove the cable clamps holding the power and sensor coil cords on top of the lift housing assembly. Cut the cable ties and disconnect the coil cords from under the lift housing. The power and sensor coil cords are now free of the lift housing assembly. Drape them up out of the way.
8. Using a 7/32" hex Allen socket, remove the two screws (A) holding the lift screws to the header crossbar plate.



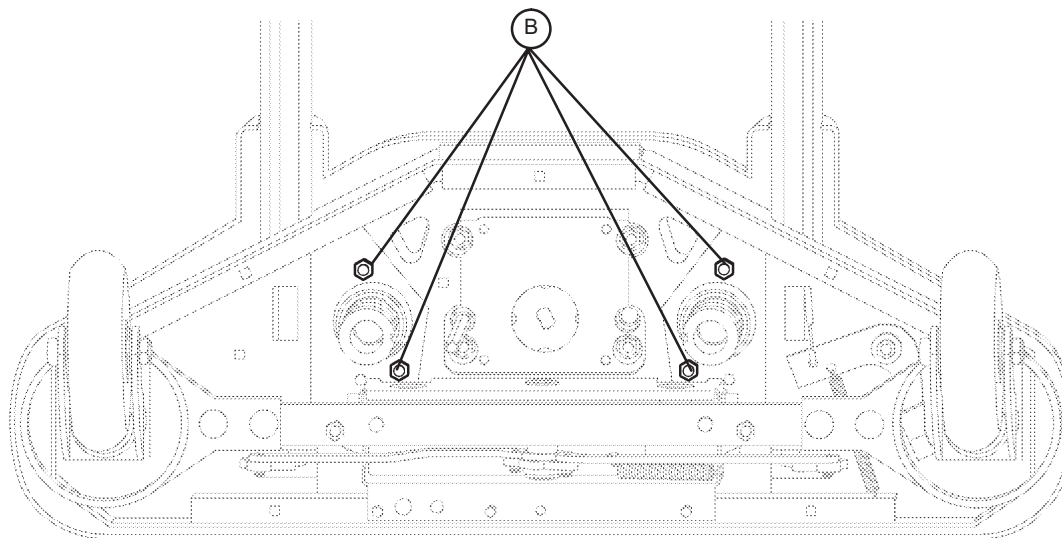
### CAUTION

The bed litter retracts on rollers. Secure it to prevent it from rolling while the procedure is being done.

# Service Information

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## LIFT HOUSING REMOVAL AND REPLACEMENT (CONTINUED)



FOOT END – BOTTOM VIEW

9. Lift the litter top up and support it about 6" above the lift screws with sawhorses or the equivalent.
10. Under the base, using a 9/16" socket, remove the four nuts (B) holding the lift housing to the base.
11. Lift up and out on the lift housing assembly to remove it from the base.

---

### CAUTION

See "Power and Sensor Coil Cord Replacement" section for proper reattachment procedure for power and sensor coil cords and "Lift Potentiometer Replacement and Adjustment" for reattachment of the lift potentiometer.

12. Reverse the above steps to reinstall the lift housing assembly after service is completed.

### Note

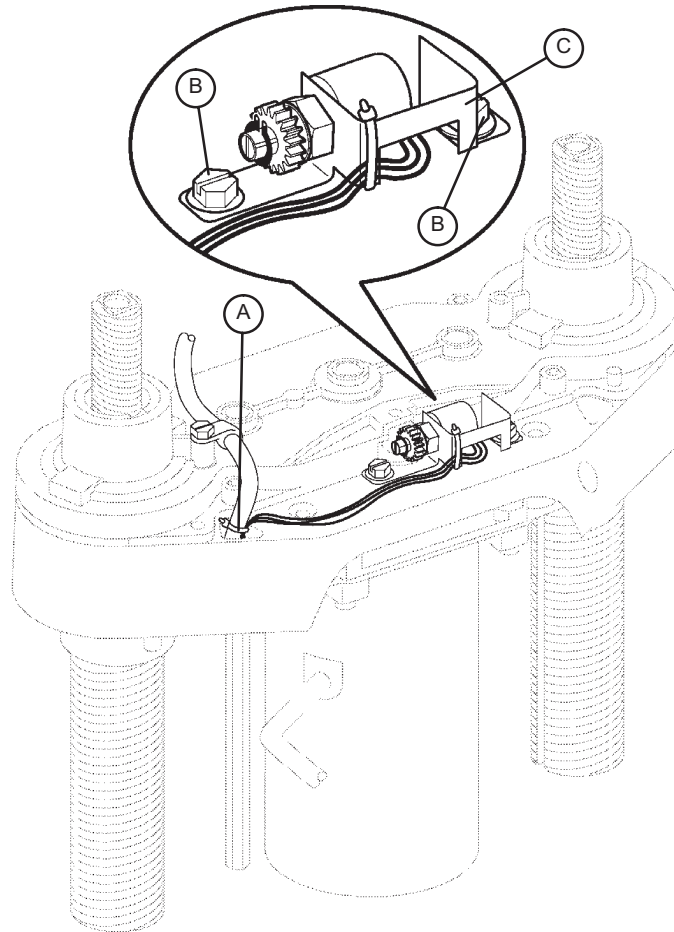
The procedure for lift housing removal and replacement is the same for both ends of the bed.

# Service Information

## LIFT POTENTIOMETER REPLACEMENT AND ADJUSTMENT

### REQUIRED TOOLS

- #2 Phillips Screwdriver
- Bungee Cord (or equivalent)
- 5/16" Socket Wrench
- 3/8" Open End Wrench
- Side Cutters



### PROCEDURE:

1. Unplug the bed power cord from the wall socket.
2. Using a 5/16" socket wrench, remove the five bolts holding the lower lift cover to the base and remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws holding the upper lift cover to the base.
4. Using side cutters, cut the cable tie (A) holding the potentiometer cable to the coil cord.
5. Unplug the potentiometer cable from the sensor coil cord. If replacing a potentiometer at the head end of the bed, unplug the cables attached to the brake sensor switch.
6. Pull the potentiometer cable up through the base.
7. Using a 3/8" open end wrench, remove the two bolts (B) holding the potentiometer housing (C) to the lift housing.
8. Lift up and out on the potentiometer housing assembly to remove it from the lift housing.
9. Before installing the new potentiometer on the bed, turn it clockwise until it stops. Turn it back counterclockwise two full (360) revolutions. This allows a "window" position for proper upper and lower limits.

## LIFT POTENTIOMETER REPLACEMENT AND ADJUSTMENT (CONTINUED)

10. Reverse steps 4-8 to install the new potentiometer and potentiometer housing assembly.
11. After installing the new potentiometer, the “burn-in” procedure below must be followed.

### Note

Be sure to maintain the potentiometer position while installing.

## LIFT POTENTIOMETER “BURN-IN” PROCEDURE

1. Unplug the bed power cord from the wall socket.
2. On the foot board control panel, hold down the Siderail Control Lights, Head Lockout, and Up/Down Lockout buttons simultaneously.
3. While holding down the above three buttons, plug the power cord into the wall socket. The Lights button on the foot board control panel should flash, indicating the bed is in the diagnostics mode.
4. On a bed without the Zoom® power drive option, run both ends of the bed full down to a “hard stop”. On a bed with the Zoom® option, run both ends of the bed full up to a “hard stop”.
5. Hold down the Bed Motion Lock button until the light flashes.
6. Release the button and unplug the power cord from the wall socket.
7. Plug the power cord back in to the wall socket. Run the bed to full up, then full down to verify the bed limits.
8. The distance between the floor and the top of the litter seat section on a standard Secure bed (without a mattress) should be 16” - 16 3/8” with the litter fully down and 29 1/4” - 29 7/8” with the litter fully up.  
The distance between the floor and the top of the litter seat section on a Secure Zoom® bed (without a mattress) should be 19.5” with the litter fully down and 30” - 30 1/4” with the litter fully up. The distance between the floor and the top of the litter seat section on a Secure short bed with Zoom® (without a mattress) should be 20.5” with the litter fully down and 30” - 30 1/4” with the litter fully up.

### Note

These values are for beds equipped with 6” casters. Add 2” to both measurements for beds equipped with 8” casters.

# Service Information

## LIFT MOTOR ISOLATION PLATE REPLACEMENT

### TOOLS REQUIRED:

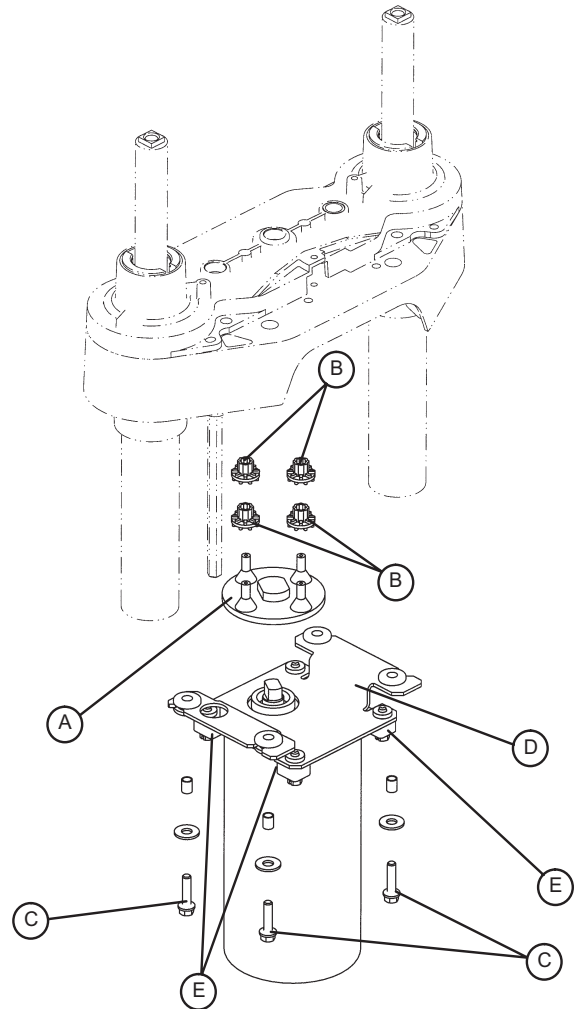
- 7/16" Open End Wrench
- 5/16" Nut Driver or 5/16" Socket Wrench
- 3/8" Socket Wrench (with 6" ext.)

### PROCEDURE:

1. Unplug the bed power cord from the wall socket.
2. Using a 5/16" socket wrench, remove the five bolts securing the lower lift cover and remove the cover.
3. Using a 3/8" socket with a 6" extension, remove the four bolts (C) holding the lift motor isolation plate to the lift housing and carefully lower the isolation plate to the floor.
4. Remove the motor coupler (A) and bushings (B).
5. Using a 3/8" socket, remove the bolts and washers (E) from the motor and remove the isolation plate (D).
6. Reverse the above steps to install the new isolation plate and reattach all components to the bed.

### Note

When reinstalling the lift motor, the drive shaft on the motor will have to be turned to be aligned with the coupler. Use a 7/16" open end wrench to turn the drive shaft of the motor.



## LIFT MOTOR COUPLER REPLACEMENT

### TOOLS REQUIRED:

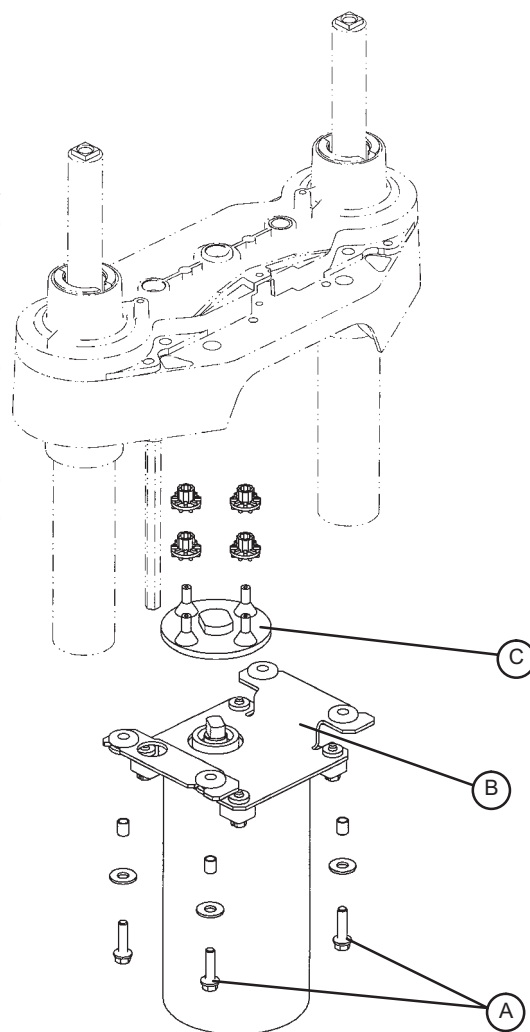
- 5/16" Socket Wrench
- 3/8" Socket Wrench (with 6" Extension)
- Floor Jack
- 2x4 (or equivalent)

### PROCEDURE:

#### Note

If you need more space to work under the base frame, place a 2x4 across the base frame rails and use a floor jack to raise the base frame off the floor.

1. Unplug the bed power cord from the wall socket.
2. Using a 5/16" socket wrench, remove the five bolts holding the lower lift cover to the base and remove the cover.
3. Using a 3/8" socket with an extension, remove the four bolts (A) holding the isolation plate (B) to the lift housing and lower the lift motor and isolation plate assembly to allow access to the coupler (C).
4. The motor coupler can now be removed from the lift housing.
5. Reverse the above steps to install the new motor coupler and bushings.



# Service Information

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## POWER AND SENSOR COIL CORD REPLACEMENT

### TOOLS REQUIRED:

- #2 Phillips Screwdriver
- Side Cutters
- 5/16" Socket Wrench
- Bungee Cord (or equivalent)
- 5/16" Nut Driver
- Floor Jack
- 2x4 (or equivalent)

### PROCEDURE:

#### Note

If you need more space to work under the base frame, place a 2x4 across the base frame rails and use a floor jack to raise the base frame off the floor.

1. Unplug the bed power cord from the wall socket.
2. Using a 5/16" socket wrench, remove the five bolts holding the lower lift cover to the base and remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws holding the upper lift cover to the base. If you want, hold the covers out of the way by using bungee cords (or the equivalent) to secure them to the litter top.
4. Using side cutters, cut the cable ties holding the power and sensor coil cords to the base. Remove the ground wire coming from the sensor cord that is attached to the base (note the star washer arrangement).
5. Disconnect the cables going to the motor and the lift potentiometer (at the head end, the sensor cord is also attached to the brake switch sensor).
6. Pull both cords up through the frame of the bed and the lift housing.
7. Using a 5/16" socket wrench, remove the two screws (A) holding the cable clamps\* to the top of the lift housing.
8. Using a 5/16" socket wrench, remove the two screws (B) securing the cable clamps\* to the underside of the header crossbar assembly.
9. Pull both coil cords up through the header crossbar assembly.
10. Disconnect the power and sensor coil cords from the connectors.
11. The cords should now be completely removed from the bed. Reverse the above steps to install the new power and sensor cords.\*

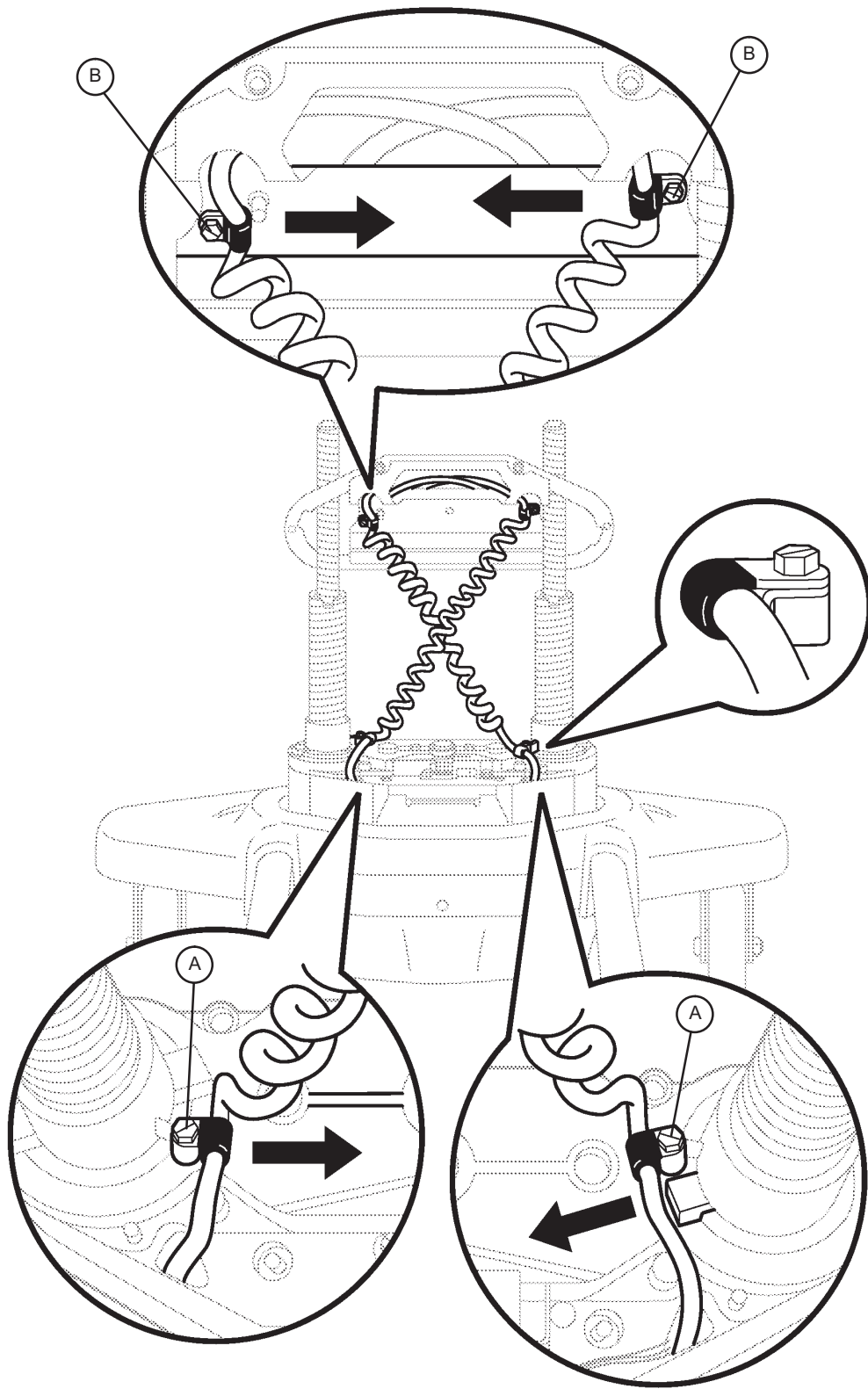
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### CAUTION

\* When replacing the power and sensor coil cords, secure the cable clamps to the cords at the first coil both on the top and on the bottom to ensure there is not too much slack in the cords between the top of the lift housing assembly and the bottom of the header crossbar. Be sure the clamps are fastened at exactly the correct angle, as shown by the arrows in the illustration. Arrange the cords exactly as shown in the illustration (left in front of right). **If this is not done correctly, damage to the cords will result.**

## Service Information

### POWER AND SENSOR COIL CORD REPLACEMENT ILLUSTRATION



View from Center of Bed

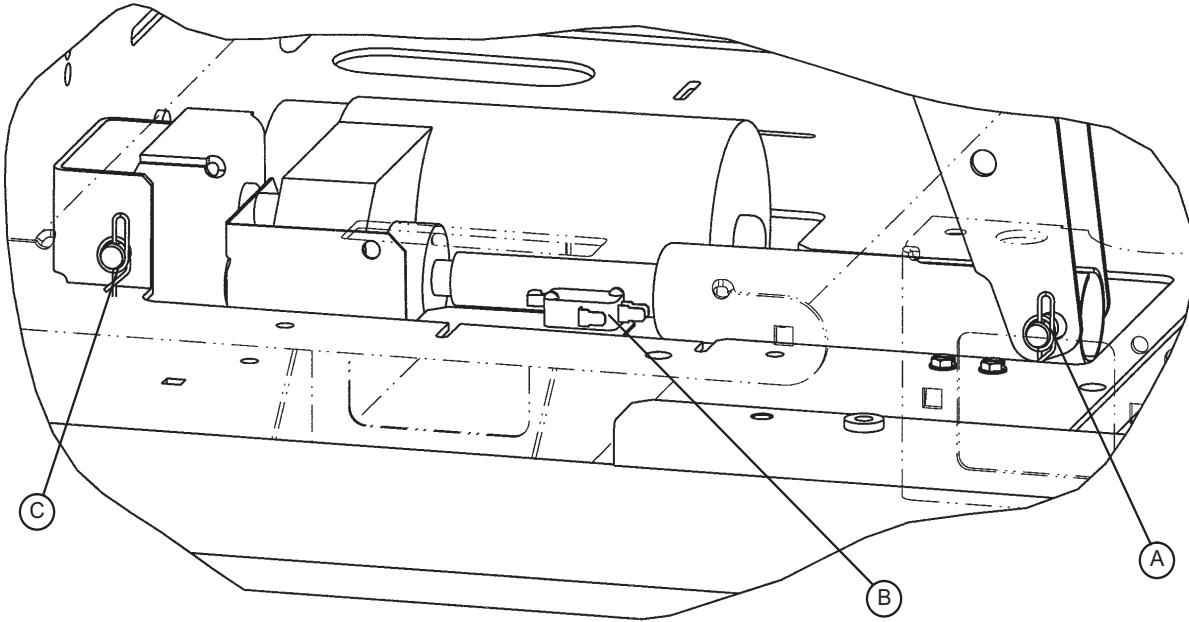
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# Service Information

## KNEE MOTOR REMOVAL AND REPLACEMENT

### TOOLS REQUIRED:

- T27 Torx
- Needle Nose Pliers
- 3/8" Socket Wrench
- Wire Cutters



### PROCEDURE:

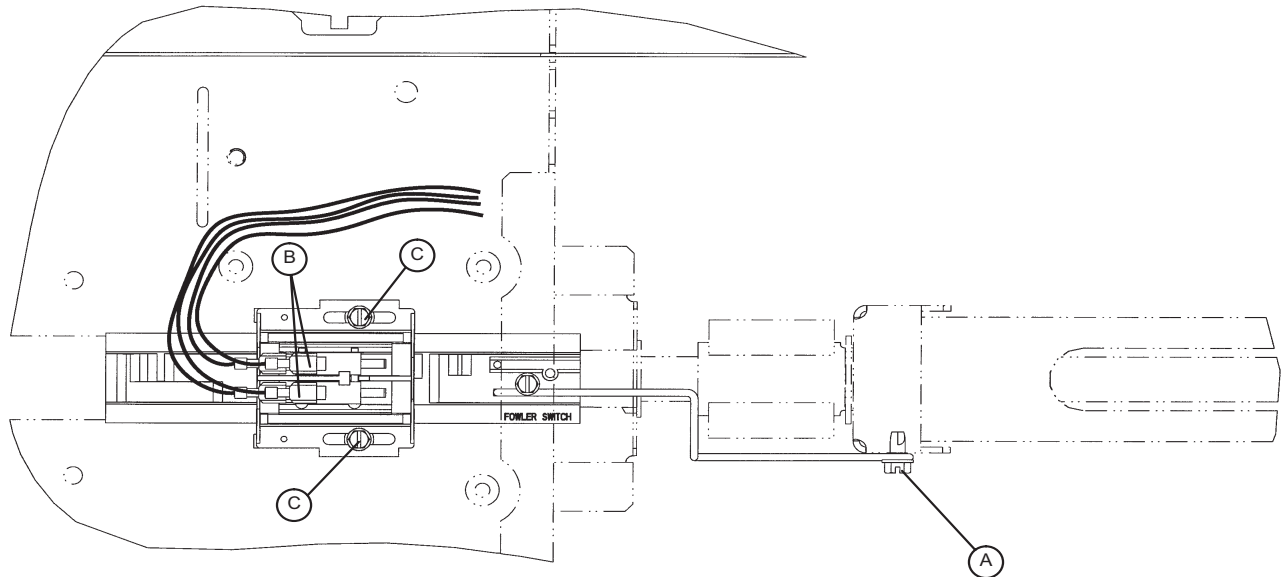
1. Electrically run the litter fully up. Unplug the bed power cord from the wall receptacle.
2. Using a 3/8" socket wrench, remove the two bolts holding the motion interrupt pan to the litter frame and remove the pan.
3. Using needle nose pliers, remove the Rue pin (A) from the end of the drive tube.
4. Fold the Gatch section back toward the head end of the bed. Using a T27 Torx, remove the screw holding the mid-litter cover to the litter frame and remove the cover.
5. Remove the two wires from the auto contour micro switch (B) mounted next to the drive tube.
6. Using wire cutters, remove the cable ties. Disconnect the motor and capacitor wires.
7. Using needle nosed pliers, remove the Rue pin (C) from the motor bracket and lift the motor out.
8. Using a 3/8" socket wrench, remove the four bolts holding the motor bracket to the old motor. Remove the bracket and install it on the replacement motor using the same four bolts.
9. Install the replacement motor into the bed. Do not hook up the drive tube to the Gatch section yet.
10. Plug the bed power cord into a properly grounded wall receptacle. Using the button on the foot board or siderail, run the Gatch motor down until it stops.
11. Reinstall the mid-litter cover.
12. Fold the Gatch section back down. From underneath the bed, manually turn the drive tube in or out until it lines up with the hole in the Gatch section. Reinstall the pin, the wires for the auto contour switch, and the motion interrupt pan.
13. Test the bed for proper operation before returning it to service.

# Service Information

## HEAD MOTOR CAM AND CAM GUIDE REPLACEMENT

### TOOLS REQUIRED:

- 5/16" Nut Driver
- 3/8" Socket Wrench
- T27 Torx



### PROCEDURE:

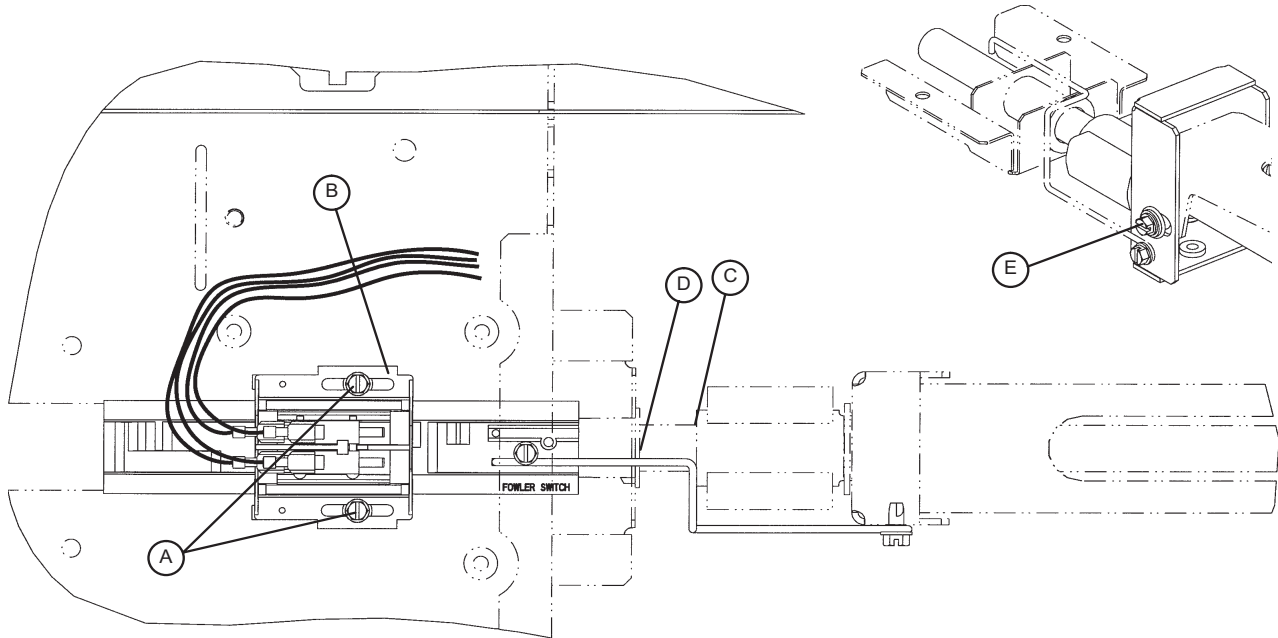
1. Run the Knee Gatch fully up. Unplug the bed power cord from the wall socket.
2. Using a T27 Torx, remove the screw holding the foot end litter cover to the frame and remove the cover.
3. Using a 3/8" socket wrench, remove the two bolts holding the motion interrupt pan to the litter and remove the pan.
4. Using a 5/16" nut driver, remove the screw (A) holding the cam retention wire to the ball nut assembly.
5. Disconnect the cables (B) from the micro-switches. Take note of the locations of the cables so they will be connected properly to the replacement cam.
6. Using a 5/16" nut driver, remove the two screws (C) holding the cam and cam guide to the support bracket and remove the cam and cam guide with the attached micro-switches from the bed.
7. Reverse the above steps to install the replacement cam and cam guide/micro switch assembly.
8. Refer to "Limit Setting - Head Motor" section.

# Service Information

## LIMIT SETTING - HEAD MOTOR

### TOOLS REQUIRED:

- 5/16" Nut Driver
- T27 Torx



### PROCEDURE:

1. Run the Knee Gatch fully up.
2. Using a T27 Torx, remove the screw holding the midsection litter access covers to the litter and remove the covers.
3. Run the head section down electrically until flat (0) or use the CPR release handle to fully lower the head.
4. Lightly tap the Fowler down button until the bolt and bushing (E) are centered in the slot.
5. Unplug the power cord from the wall socket.
6. Using a 5/16" nut driver, loosen the two screws (A) on the cam (B).
7. Slide the cam toward the head of the bed just until the micro-switch is activated (the switch will make a clicking noise).

### Note

Check that the cam "bump" is on the "head" side of the switch actuator.

8. Tighten the two screws (A).

### CAUTION

Be sure the head section stops when it is fully up and the ball nut bracket (C) is approximately 3/4" from panel (D). If not, damage to the unit could result.

9. Ensure the head section will lower to flat (0) before returning the bed to service. Verify the head section lowers onto the rubber rests and the motor stops running. Reinstall the litter access panels removed in step 1.

# Service Information

---

## HEAD MOTOR REMOVAL AND REPLACEMENT

### TOOLS REQUIRED:

- 3/8" Socket Wrench

### PROCEDURE:

---

#### **WARNING**

The head motor is not grounded and may be an electrical hazard. Use caution when working around motors.

1. Using the CPR release, lower the Fowler to flat (0).
2. Unplug the bed power cord from the wall socket.
3. Using a 3/8" socket wrench, remove the two bolts at the foot end of the motion interrupt pan and remove the pan.
4. Using a 3/8" socket wrench, remove the two bolts holding the motor bracket to the bed frame. Remove the motor.

#### **Note**

Use caution when removing the motor to avoid having the coupler come off the ball screw shaft.

5. Unplug the head motor cables from the bed and capacitor.

#### **Note**

The replacement motor will come with the attached CPR clutch. The mounting bracket will be re-used with the replacement motor.

6. Reverse the above steps to install the new motor assembly and reattach all litter panels.

# Service Information

## HEAD MOTOR DRIVE ISOLATOR AND CPR DECOUPLER REMOVAL AND REPLACEMENT

### TOOLS REQUIRED:

- 3/8" Socket Wrench
- Needle Nose Pliers

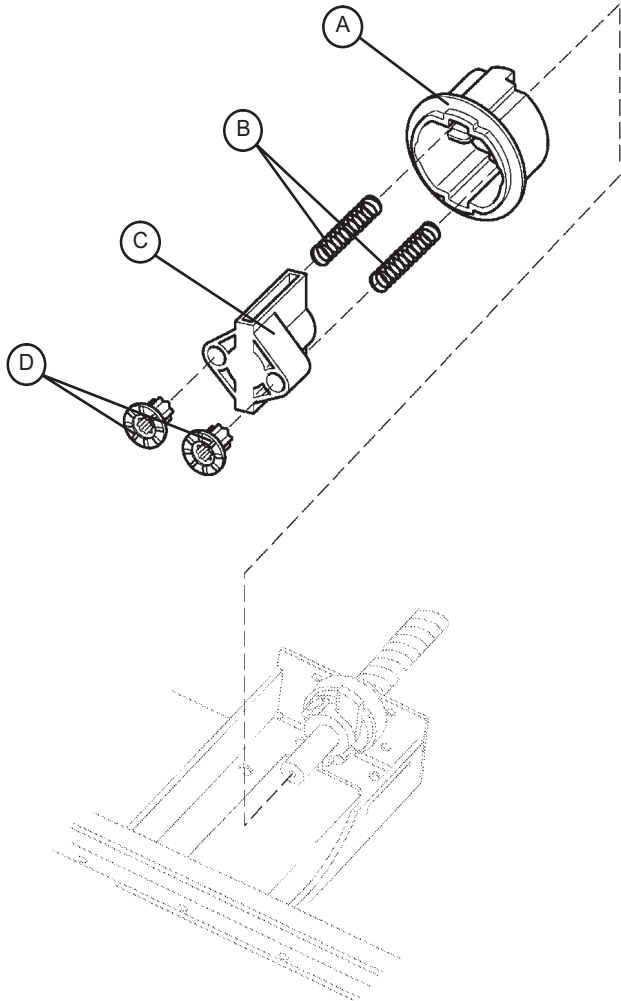
### PROCEDURE:

1. Refer to the "Head Motor Removal and Replacement" procedure to access the isolator, springs and decoupler.
2. Pull the drive isolator (C) with the bushings (D), springs (B) and CPR decoupler (A) off the drive screw and remove it from the litter.

### Note

These parts are spring-loaded. Use caution when removing them so they will not drop to the floor.

3. To reinstall, put the decoupler (A) on the shaft.
4. Using needle nose pliers, bend the end of the springs (B) out slightly to help hold the springs in the isolator. Put the springs in the isolator and install it on the shaft.
5. Reinstall the head motor (see "Head Motor Removal and Replacement" section).
6. Run the Fowler up and down several times to test it before returning the bed to service.

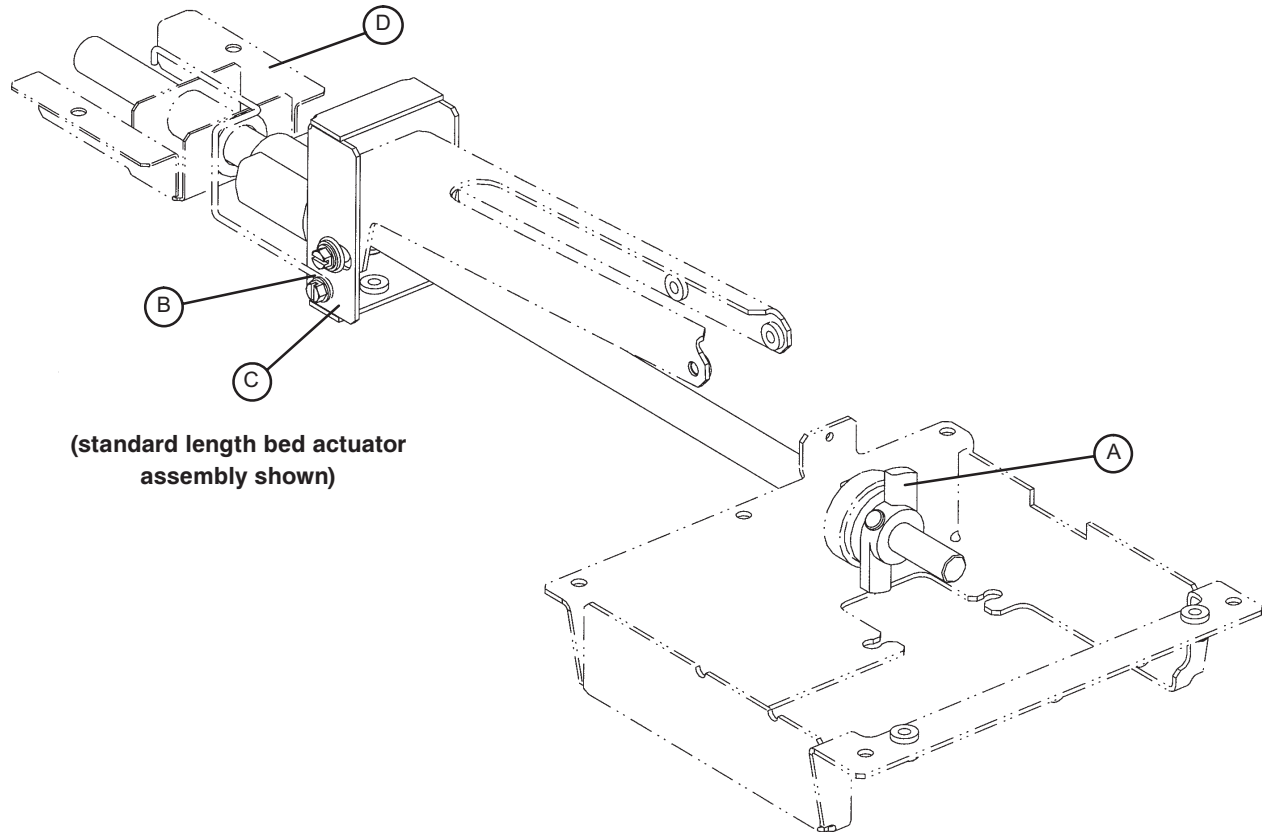


# Service Information

## HEAD MOTOR DRIVE SCREW AND BALL NUT REPLACEMENT

### TOOLS REQUIRED:

- Large Snap-Ring Pliers
- 3/8" Socket Wrench



### PROCEDURE:

1. Run the bed fully up. Unplug the bed power cord from the wall socket.
2. Using a 3/8" socket wrench, remove the two bolts holding the motion interrupt pan to the litter and remove the pan.
3. Remove the head motor (see "Head Motor Removal and Replacement" section) for access to the screw and ball nut.
4. Remove the head motor drive isolator and CPR decoupler (see "Head Motor Drive Isolator and CPR Decoupler Removal and Replacement" section).
5. Using needle nose pliers, remove the cotter pin holding the clevis pin to the drive screw "wing" (A).
6. Remove the clevis pin and slide the wing and tapered roller bearing off the drive screw.
7. Using a 3/8" socket wrench underneath the litter, remove the screw holding the cam retention wire (B) to the ball nut assembly.
8. Using a 3/8" socket wrench, remove the two bolts holding the ball screw support bracket (D) to the bottom of the litter and remove the bracket.
9. Using large snap ring pliers, remove the snap ring holding the ball nut to the bracket (C).
10. To prevent the ball nut from coming off the drive screw, cable tie both ends of the ball nut to the drive screw.
11. Pull the drive screw toward the foot of the bed and remove the head end of the drive screw and ball nut assembly from the support.

# Service Information

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## HEAD MOTOR DRIVE SCREW AND BALL NUT REPLACEMENT (CONTINUED)

### Note

Do not allow the ball nut assembly to come off the drive screw. The ball nut will be shipped attached to the drive screw and retained in position during shipment. Remove the restraining straps after installing the drive screw and nut.

12. Remove the thrust washers and bearing from the head end of the drive screw and set them aside.
13. Reverse the above steps to install the replacement drive screw and ball nut assembly.

### Note

Apply grease to all bearing areas.



### CAUTION

Verify the head motor stops properly at both upper and lower electric limits. If it does not, refer to “Limit Setting - Head Motor”.

## HEAD MOTOR BRAKE/CLUTCH REPLACEMENT

### REQUIRED TOOLS:

- 3/8” Socket Wrench
- Snap Ring Pliers
- 9/16” Socket Wrench
- 9/16” Box End Wrench
- Wire Cutters

### PROCEDURE:

1. Remove the head motor (see “Head Motor Removal and Replacement” section).
2. Using snap ring pliers, remove the snap ring from the motor shaft.



### CAUTION

The brake/clutch is spring-loaded. Use caution when removing the snap ring so the parts do not drop to the floor.

3. Remove the old brake/clutch from the motor and discard it.
4. Using a 9/16” socket wrench and a 9/16” box end wrench, remove the nut, bolt and washers from the new brake/clutch.
5. Install the new brake/clutch onto the motor. It may be necessary to turn the motor shaft to line up the key way with the brake/clutch.
6. Using the snap ring pliers, install the new snap ring.
7. Using the wire cutters, remove the two wire ties from the new brake/clutch.
8. Reinstall the head motor (see “Head Motor Removal and Replacement” section)
9. Test the bed for proper operation before returning it to service.

# Service Information

## OPTIONAL SCALE SYSTEM DIAGNOSTICS AND CALIBRATION

### Diagnostic Mode Functions:

|                           |   |
|---------------------------|---|
| <b>ANGLE CALIBRATE</b>    | This may be required in the field to recalibrate the scale. Calibrate using 50 pounds.  |
| <b>DISP. CORNER LBS</b>   | This function displays the individual corner weights in pounds for each load cell and can be used to isolate a defective load cell.               |
| <b>DISP. CORNER CTS</b>   | This function displays the individual corner weights in counts for each load cell and can be used to isolate a defective load cell.               |
| <b>DISPLAY FACTORS</b>    | This function is used to see the scale calibration factors. This can be used to diagnose a bad scale calibration.                                 |
| <b>DISPLAY AVERAGES</b>   | This function is used to see the average weight in pounds each load cell has experienced.   |
| <b>DISPLAY MAXIMUMS</b>   | This function is used to see the maximum weight each load cell has experienced.   |
| <b>CLEAR STATISTICS</b>   | This function is used to clear the averages and maximums.   |
| <b>INIT TO DEFAULTS</b>   | This function is used to reset the scale factors back to defaults.  |
| <b>VIEW ERROR LOG</b>     | This function can be used to see a log of scale errors and the time they occurred.  |
| <b>LOCK/UNLOCK LBS/KG</b> | This function can be used to lock out the ability to change weight units.   |
| <b>PICK EXIT ALARM</b>    | This function can be used to select a different bed exit alarm tone.  |
| <b>BRAKE ALARM OFF/ON</b> | This function can be used to enable or disable an audible alarm when the brakes are not set. Not available for beds with ZOOM® or Battery Backup. |
| <b>DEFAULT ANGLE</b>      | This function can be used to select the default angle displayed to either fowler or trend.  |
| <b>SOFTWARE CONFIG</b>    | This function can be used to see what the bed configuration is.   |
| <b>SOFTWARE VERSION</b>   | This function can be used to see what software version it is.   |
| <b>CALIBRATE SCALE</b>    | This is the old scale calibration routine with 200 pounds. Only there for backup purposes.  |
| <b>EXIT DIAGNOSTIC</b>    | This function will give you the ability to exit the diagnostic mode and go into scale mode.   |

### Diagnostic Mode:

#### Note

It requires two people to enable the diagnostic mode for the Scale System.

1. To enter diagnostic mode, unplug the bed's power cord from the wall socket.
2. Press and hold down the LBS/KGS button.
3. While still holding the LBS/KGS button, plug the bed's power cord into the wall socket.
4. After two seconds, release the LBS/KGS button. The LCD should read "**Angle Calibrate**". The diagnostic mode is now active.

# Service Information

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## OPTIONAL SCALE SYSTEM DIAGNOSTICS AND CALIBRATION (CONTINUED)

### Displaying Individual Load Cell Outputs:

A defective load cell can be detected by entering diagnostics and displaying individual load cell outputs.

1. Enter the diagnostic mode. The LCD will display **"Angle Calibrate"** when the diagnostic mode is activated.
2. Repeatedly press and release the up or down arrow button (**Zero** or **Scale On/off**) until the LCD displays **"Display Corner CTS"**.
3. Press and release the **Enter** button (LBS/KGS). The LCD should display "<?> **Select Corner**". The two buttons listed below function as **Position** buttons to select the four corners of the bed's litter. Whenever the LCD displays "<?> **Select Corner**", press one of these buttons to cycle through the corners and to select the load cell assembly at the desired corner
  - A. **Zero** - cycle up through the four corners
  - B. **Scale On/off** - cycle down through the four corners
4. Press and release the position button that corresponds with the load cell to be checked. The LCD should display "X/X=NNN.N". "X/X" represents the initials of the selected corner, i.e. H/R will be displayed for the patient's head end, right side. "NNN.N" represents the resistance of the load cell.
5. Repeat step four for each corner. Head end weight readings will normally be lower than foot end weights. Weight readings should be constant. A drifting 000.0 or 999.9 weight, or a reading that does not change when weight is applied to that corner of the bed indicates a problem with the selected load cell assembly or load cell cable.

### Verifying Scale Accuracy:

1. Zero the empty bed. Place a known weight on the center of the bed; the heavier the better and no less than 100 pounds. The displayed weight should be within  $\pm 2\%$  of the actual weight.
2. If the displayed weight is not accurate, remove the weight from the bed and place the scale CPU in calibration mode.

### Scale Calibration:

#### Note

It requires **two people** to enable the calibration mode for the Scale System.

Calibrate the Scale System with a known weight of approximately 50 pounds.

1. To enter the calibration mode, unplug the bed's power cord from the wall socket.
2. Press and hold down the LBS/KGS button.
3. While still holding the LBS/KGS button, plug the bed's power cord into the wall socket.
4. After two seconds, release the LBS/KGS button. The LCD should read **"Angle Calibrate"**. The calibration mode is now active.
5. Press and hold the **Enter** button (LBS/KGS). Zero the bed, following the displayed instructions. When the bed is zeroed, the LCD should display "REF X100=<0>5000". This is the factory default for 50 pounds. If 50 pounds will be used to calibrate the scale, proceed to step 7.

# Service Information

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## OPTIONAL SCALE SYSTEM DIAGNOSTICS AND CALIBRATION (CONTINUED)

### Scale Calibration (Continued):

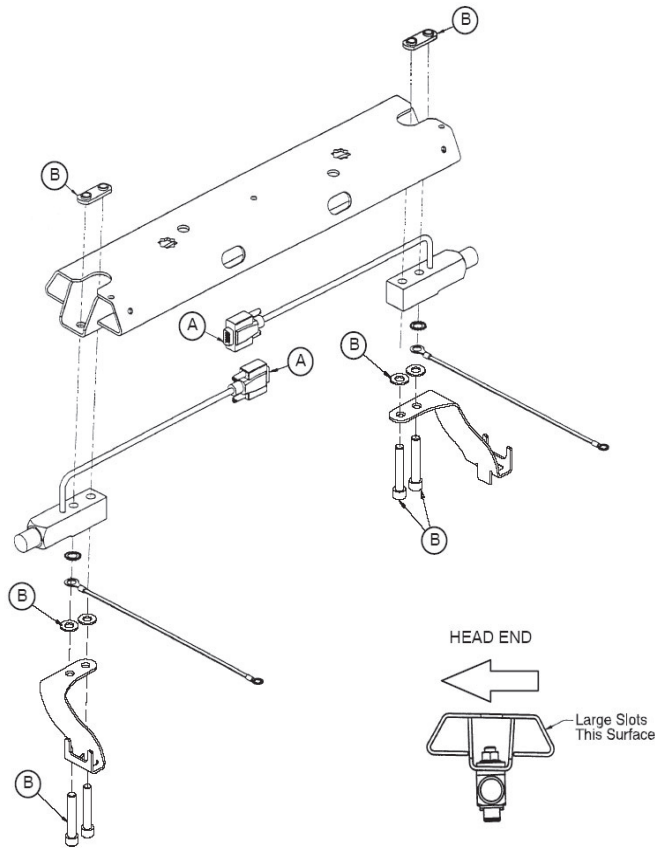
6. If exactly 50 pounds is not available, change the display to match the weight you are using. Pressing the **Change Equip** button will move the cursor position to the right. Pressing the up arrow (**Zero**) button will increase the numbers. Pressing the down arrow (**Scale On/Off**) button will decrease the numbers. Scroll through the numbers until they match the weight you will use for calibration.
7. Place the 50 pound calibrated weight in the center of the bed. Press and release the **Enter** button and the LCD will display "**Press Rev. Trend**". Press and hold the button with the Reverse Trendelenburg symbol (feet down/head up) until the bed stops. Release the button and the LCD will display "**Do Not touch Bed**". Press and hold the Reverse Trendelenburg button again until the bed stops. Release the button and the LCD will display "**Do Not Touch Bed**".
8. The LCD will display "**Press Trend.**" Press and hold the button with the Trendelenburg symbol (feet up/head down) until the bed stops. Release the button and the LCD will display "**Do Not Touch Bed**". Press and hold the Trend button again until the bed stops. Release the button and the LCD will display "**Do Not Touch Bed**".
9. The LCD will display the weight. This indicates the calibration procedure is complete.
10. Level the bed at a full up or full down position. Remove the weight and zero the bed.
11. Verify scale accuracy and functionality before returning the bed to service.

# Service Information

## LOAD CELL REPLACEMENT

### TOOLS REQUIRED:

- 1/4" Hex Allen Wrench
- Wire Cutters



### PROCEDURE:

1. Unplug the bed power cord from the wall socket.
2. Support the corner of the litter where the load cell is being removed.
3. Unplug the load cell connector (A) from the load cell cable. Using the side cutters, cut the cable ties.
4. Using a 1/4" hex Allen wrench, remove the screws, washers, and nuts (B) holding the load cell to the bed.
5. To remove a load cell at the head end of the bed, slide the load cell toward the center of the bed to clear the bushing that supports the load cell. Remove the load cell by lifting it up and out. To remove a load cell at the foot end of the bed, slide the load cell with the roller bushing toward the center of the bed to clear the litter frame. Remove the load cell and the roller bushing by lifting them up and out.
6. Reverse the above procedure to install the new load cell.



### CAUTION

Be sure the load cell's strain gauge is facing up when installing a new load cell or the weigh system will not work properly.

7. Recalibrate the weigh system (see "Scale Calibration" in "Scale System Diagnostics and Calibration" section).

# Service Information

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## POWER SUPPLY REPLACEMENT

### REQUIRED TOOLS:

- #2 Phillips Screwdriver
- T27 Torx

### PROCEDURE:

1. Adjust the Fowler to approximately 25-30. Unplug the bed power cord from the wall socket.
2. Properly ground yourself (see “Static Discharge Precautions” section).
3. Using a T27 Torx, remove the two screws holding the head end litter access cover and remove the cover.
4. Disconnect all cables at the power supply. Note the locations of the cables so they will be reconnected properly to the replacement power board.
5. To remove the board from the litter standoffs, use a #2 Phillips screwdriver to remove the four screws holding the board to the litter. Remove the board.
6. Install the new board and reconnect all cables.
7. Reinstall the litter access panel and plug the bed power cord into a properly grounded wall receptacle.
8. Test the bed for accurate operation before returning it to service.

## CPU BOARD REPLACEMENT

### TOOLS REQUIRED:

- T27 Torx

### PROCEDURE:

1. Adjust the Fowler to approximately 25-30. Unplug the bed power cord from the wall socket.
2. Properly ground yourself (see “Static Discharge Precautions” section).
3. Using a T27 Torx, remove the two screws holding the head end litter access cover and remove the cover.
4. Disconnect all cables at the litter CPU board. Note the locations of the cables so they will be connected properly to the replacement litter CPU.
5. To remove the board from the litter standoffs, pull out on the retention clips and lift upward on the board.
6. Install the new board and reconnect all cables.
7. Reinstall the litter access panel and plug the bed power cord into a properly grounded wall receptacle.
8. Before installing new CPU, SB1, SB2, SB3 and SB4, the dip switches must be set (see “CPU Board - 3002-407-950” section).
9. When a new CPU board is installed, a “burn-in” procedure must be done (see “Lift Potentiometer ‘Burn-In’ Procedure”). If your bed is equipped with a Scale System, scale calibration must also be done (see “Scale Calibration” in “Scale System Diagnostics and Calibration” section). Refer to Zoom® manual for proper switch settings.
10. Test bed operations before returning the bed to service.

# Service Information

## OPTIONAL SMART TV INTERFACE “BURN-IN” PROCEDURE

This procedure is used for selecting the style of TV interface needed for your bed. If traditional TV is desired, no calibration is required. If optional Smart TV is available on the bed, select one of the TV manufacturers listed in the table below.

### SETUP

Ensure the communication cable is connected between the bed and the Db37 wall port or the pillow speaker port of the Nurse Call System. If available, a bed communication tester can be used instead of the hospital wiring.

### PROCEDURE

1. Place the bed in the lift potentiometer burn-in mode (see “Lift Potentiometer ‘Burn-In’ Procedure”).
2. Notice the Nurse Call LED (yellow) is flashing. Notice the Nurse Answer LED (green) is flashing On/Off slowly.
3. Press and release the TV On/Off switch on the bed’s siderail once. Notice the Nurse Call LED flashes once. This is the first selection of TV manufacturers for the Smart TV mode. Notice the Nurse Answer LED (green) is flashing On/Off slowly. The Nurse Answer LED will only light when the Nurse Call LED (yellow) is flashing.
4. Press and release the TV On/Off switch on the bed’s siderail to scroll to other TV manufacturers. Notice the number of times the Nurse Call LED flashes matches the number listed in the table below and represents the TV manufacturer selected.
5. When the desired TV manufacturer has been selected, unplug the bed power cord from the wall socket and plug it back in to complete the Smart TV burn-in procedure.

### Note

If the bed is connected to a television during the burn-in procedure, the television will turn on when the correct setting is selected.

TV Manufacturer Selection For Smart TV Burn-in Procedure

| Press And Release TV On/Off Switch: | Nurse Call LED (Yellow) | TV Manufacturer                       |
|-------------------------------------|-------------------------|---------------------------------------|
| One time                            | One flash               | RCA 1                                 |
| Two times                           | Two flashes             | RCA 2                                 |
| Three times                         | Three flashes           | Zenith 1                              |
| Four times                          | Four flashes            | Zenith 2                              |
| Five times                          | Five flashes            | Philips/Magnavox                      |
| Six times                           | Six flashes             | Magnavox (models 9120, 9220, 9320)    |
| Seven times                         | Seven flashes           | Traditional TV                        |
| Eight times                         | Eight flashes           | Traditional Plus                      |
| Nine times                          | Nine flashes            | Auto Detect: Smart TV                 |
| Ten times                           | Ten flashes             | Auto Detect w/Digital Volume Smart TV |

# Service Information

## ZOOM® OPTION BATTERY REMOVAL AND REPLACEMENT

### REQUIRED TOOLS:

- Torx T27
- 7/16" Wrench
- 1/2" Socket Wrench
- Bungee Cords
- Phillips Screwdriver
- 5/32" Allen

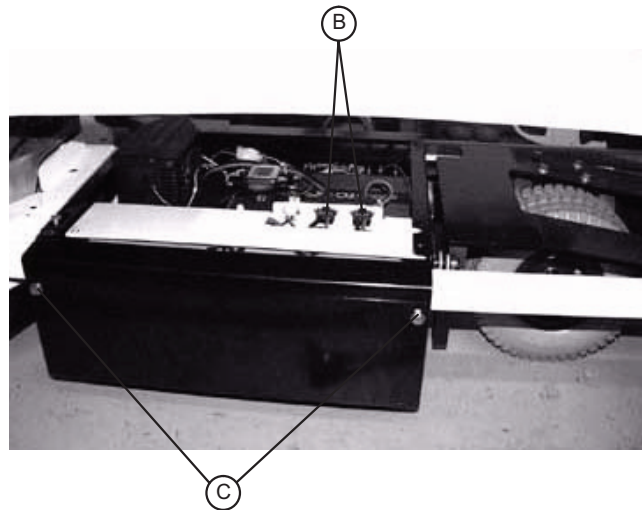
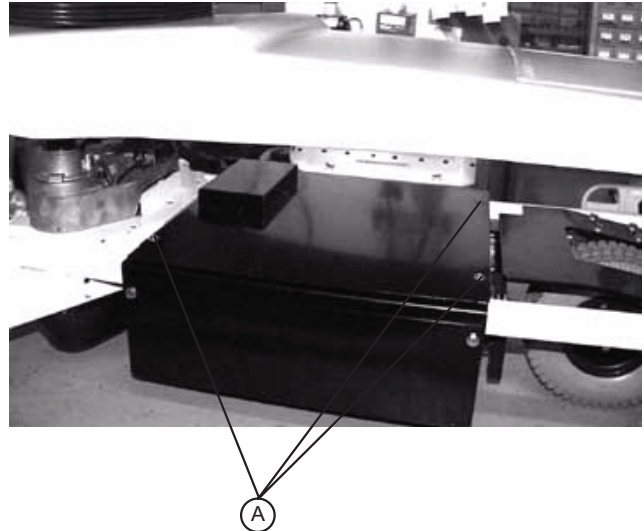
### PROCEDURE:

1. Raise the litter to full up. Unplug the power cord from the wall socket and push the battery power On/Off switch to the "Off" position.
2. Using a Phillips screwdriver, remove the four screws holding the base hood to the base frame.
3. Lift the base hood and support it from the litter frame using bungee cords or the equivalent.
4. Properly ground yourself (see "Static Discharge Precautions" section).
5. Open the cable clamp at the head end, left side of the base frame and remove the cables from the clamp.
6. Using a Torx T27, remove the four screws (A) holding the electronics box cover and remove the cover.
7. Disconnect the two battery cables (B).

### WARNING

The battery tray assembly weighs 50 pounds. Use caution when removing the two hex head screws securing it to the base frame or personal injury could result. Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

8. Support the battery tray assembly from the bottom. Using a 7/16" hex socket or wrench, remove the two screws (C) supporting the battery tray.
9. The back of the battery tray assembly has a lip which catches on the electronics box. Lift up and out to remove the battery tray assembly.
10. Using a Phillips screwdriver, remove the two screws holding the battery terminal to the battery tray assembly.
11. Using a 5/32" Allen wrench and a 7/16" wrench, remove the four screws and nuts holding the battery harness to the battery terminals.
12. Reverse steps 1 - 11 to install the new batteries. Complete the last four items of the setup procedures in the "Setup Procedures (Zoom™ Option)" section.



# Service Information

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## ZOOM® OPTION DC MOTOR BOARD REMOVAL AND REPLACEMENT

### TOOLS REQUIRED:

- Phillips Screwdriver
- 1/8" Allen Wrench
- Bungee Cords
- T27 Torx

### PROCEDURE:

1. Raise the litter to the full up position.
2. Unplug the power cord from the wall socket and push the battery power On/Off switch to the "Off" position.
3. Using a Phillips screwdriver, remove the four screws holding the base hood to the base frame.
4. Open the cable clamp at the head end, left side of the base frame and remove the cables from the clamp.
5. Lift the base hood and support it from the litter frame using bungee cords or the equivalent.
6. Using a T27 Torx, remove the four screws holding the cover to the side of the electronics box.
7. Properly ground yourself (see "Static Discharge Precautions" section).
8. Using a 1/8" Allen wrench, remove the four bolts and standoffs holding the motor board to the electronics box.
9. Remove all cables from the motor board and remove the board.

### Note

Note the locations of the cables so you can connect them properly to the new motor board.

10. Reverse steps 1 - 8 to install the new power board.

# Service Information

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## ZOOM OPTION DRIVE MOTOR REMOVAL AND REPLACEMENT

### REQUIRED TOOLS:

- Phillips Screwdriver
- 1/2" Socket Wrench
- Bungee Cords
- Floor Jack
- T27 Torx

### PROCEDURE:

1. Raise the litter to the full up position.
2. Unplug the power cord from the wall socket and push the battery power On/Off switch to the "Off" position.
3. Using a Phillips screwdriver, remove the four screws holding the base hood to the base frame.
4. Open the cable clamp at the head end, left side of the base frame and remove the cables from the clamp.
5. Lift the base hood and support it from the litter frame using bungee cords or the equivalent.
6. Using a T27 Torx, remove the four screws holding the power board cover to the side of the electronics box. Remove the two motor wires from the power board and remove the T27 Torx ground screw.
7. Apply the brakes and disengage the drive wheel. Place a floor jack under the leaf spring at the foot end of the bed and raise the wheels approximately 3" off the floor.
8. Using a 1/2" socket wrench, remove the four bolts holding the drive motor to the leaf spring.



### CAUTION

Support the drive motor before removing the four bolts to prevent it from falling to the floor and becoming damaged.

9. Reverse steps 1 - 8 to install the new drive motor.
10. Run through the operation of the power drive wheel to ensure it is operating properly before returning the unit to service.

# Service Information

## ZOOM® OPTION CONTROL BAR POTENTIOMETER REPLACEMENT (SERIAL # 070217909 AND EARLIER)

### Tools Required:

- T27 Torx
- 1/2" Box End Wrench
- #2 Phillips Screwdriver
- Wire Cutters
- Small Flat Blade Screwdriver
- 5/16" Nut Driver

### Procedure:

1. Raise the litter and the head end to the full up position.
2. Remove the head board from the bed.
3. Unplug the power cord from the wall socket and push the battery power On/Off switch to the "Off" position.
4. Using a 5/16" nut driver, remove the screw holding the power cord clamp to the bumper weldment and remove the clamp from the bumper.
5. Using a T27 Torx, remove the four bolts (A) at the head end of the bed holding the control bar mounting bracket to the head end (see Figure 1).
6. Using a #2 Phillips screwdriver, remove the three screws (B) holding the control bar cover to the head end of the bed (see Figure 2).
7. Standing at the head end, pull the control bar toward you and fold down the control bar mounting bracket.
8. Using a 1/2" wrench, remove the nut holding the potentiometer to the mount. Using wire cutters, cut the wire ties. Unplug the potentiometer cable from the CPU display board and remove the potentiometer.
9. Install the new potentiometer. Using a small flat blade screwdriver, turn the potentiometer shaft clockwise until it stops. Turn it back counterclockwise 1/2 turn.
10. After the new potentiometer has been installed, the potentiometer "burn-in" procedure must be performed (see "Zoom® Option Control Bar Potentiometer 'Burn-In' Procedure - Serial #070217909 and Earlier").
11. After performing the "burn-in" procedure, reverse steps 1 - 7 to reassemble the bed.
12. Test all functions before returning the unit to service.

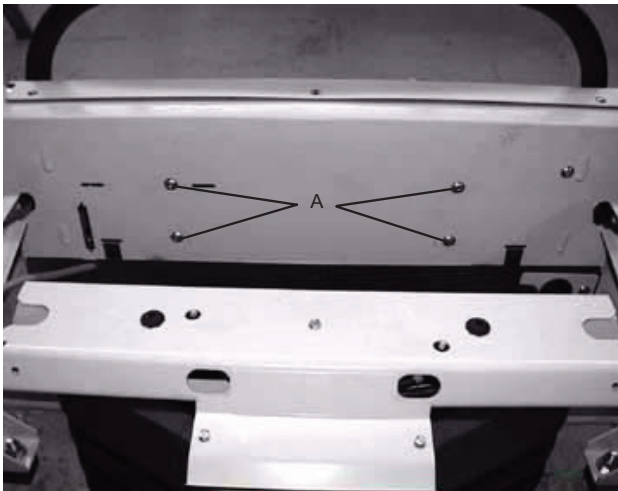


Figure 1

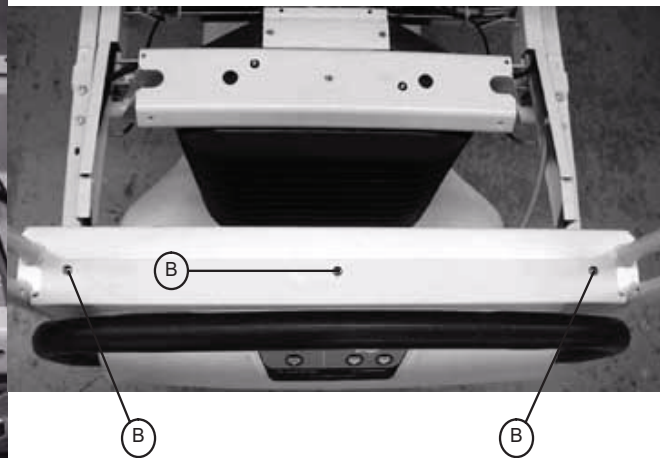


Figure 2

# Service Information

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## ZOOM® OPTION CONTROL BAR POTENTIOMETER “BURN-IN” PROCEDURE (SERIAL # 070217909 AND EARLIER)

### Tools Required:

- T27 Torx
- 1/2" Box End Wrench
- # 2 Phillips Screwdriver
- Wire Cutters
- Small Flat Blade Screwdriver
- 5/16" Nut Driver

### Procedure:

1. If it has not already been done, follow steps 1 - 7 of the Control Bar Potentiometer Replacement Procedure on [previous page](#).
2. Check the control bar potentiometer voltage. When the bar is centered, there should be 2.25VDC – 2.75 VDC between pin 1 and pin 2 on header 1 on the display / CPU board (see page 96).
3. Hold down the switch on the back of the drive CPU board.
4. With the switch depressed, move the battery power on/off switch to the “ON” position.
5. Verify the “ENGAGE DRIVE WHEEL” LED at the head end of the bed is flashing.
6. Move the battery power on/off switch to the “OFF” position, close the drive control box, set the zoom handle to the neutral position, and move the switch back to the “ON” position.
7. The three LEDs on the front of the bed will flash initially to show the battery voltage of the bed by lighting zero, one, two, or three LEDs.
8. After the battery charge has been displayed by the three LEDs, all three LEDs will flash twice. After all three LEDs have flashed twice push the drive handle to the full forward position (within 3 seconds). Hold the drive handle in the full forward position until all three LEDs flash twice again (3 seconds).
9. The “ENGAGE DRIVE WHEEL” LED will flash once. The control bar potentiometer is calibrated.
10. Return the drive handle to the neutral position.
11. Grasp the drive handle and squeeze the motion release trigger switch without moving the drive handle forward or back. Verify the bed does not move.
12. Release the bed brakes and engage the drive wheel. Standing at the head end of the bed, grasp the drive handle and squeeze the motion release trigger switch while moving the drive handle away from you. Verify the bed moves forward.
13. Grasp the drive handle and squeeze the motion trigger release switch while moving the drive handle toward you. Verify the bed moves backward.
14. Reverse steps 1 – 7 of the control bar potentiometer replacement procedure on [previous page](#). to reassemble the bed.

# Service Information

## ZOOM® OPTION CONTROL BAR POTENTIOMETER REPLACEMENT (SERIAL # 070217910 AND LATER)

### Tools Required:

- T27 Torx
- 1/2" Box End Wrench
- #2 Phillips Screwdriver
- Wire Cutters
- Small Flat Blade Screwdriver
- 5/16" Nut Driver
- Multimeter

### Procedure:

1. Raise the litter and the head end to the full up position.
2. Remove the head board from the bed.
3. Unplug the power cord from the wall socket and push the battery power On/Off switch to the "Off" position.
4. Using a 5/16" nut driver, remove the screw holding the power cord clamp to the bumper weldment and remove the clamp from the bumper.
5. Using a T27 Torx, remove the four bolts (A) at the head end of the bed holding the control bar mounting bracket to the head end (see Figure 1).
6. Using a #2 Phillips screwdriver, remove the three screws (B) holding the control bar cover to the head end of the bed (see Figure 2).
7. Standing at the head end, pull the control bar toward you and fold down the control bar mounting bracket.
8. Using a 1/2" wrench, remove the nut holding the potentiometer to the mount. Using wire cutters, cut the wire ties. Unplug the potentiometer cable from the CPU display board and remove the potentiometer.
9. Install the new potentiometer. Using a small flat blade screwdriver, turn the potentiometer shaft clockwise until it stops. Turn it back counterclockwise 1/2 turn until multimeter reads 2.35 to 2.55 using the black and red wires.
10. After the new potentiometer has been installed, the potentiometer "burn-in" procedure must be performed (see "Zoom® Option Control Bar Potentiometer 'Burn-In' Procedure - Serial #070217910").
11. After performing the "burn-in" procedure, reverse steps 1 - 7 to reassemble the bed.
12. Test all functions before returning the unit to service.

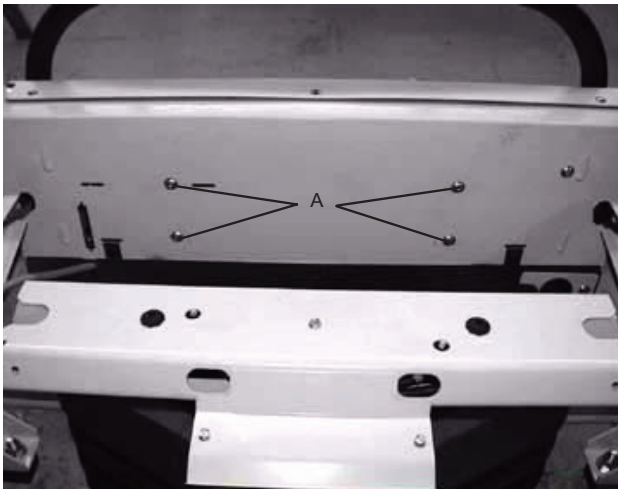


Figure 1

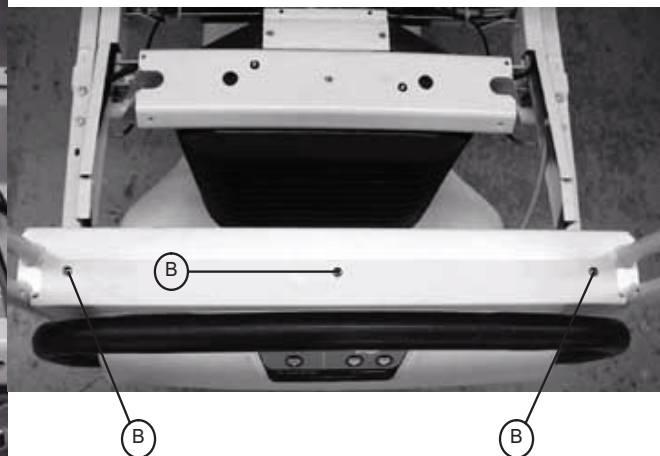


Figure 2

# Service Information

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## ZOOM® OPTION CONTROL BAR POTENTIOMETER “BURN-IN” PROCEDURE (SERIAL # 070217910 AND LATER)

### Tools Required:

- T27 Torx
- 1/2” Box End Wrench
- # 2 Phillips Screwdriver
- Wire Cutters
- Small Flat Blade Screwdriver
- 5/16” Nut Driver

### Procedure:

1. If it has not already been done, follow steps 1 - 7 of the Control Bar Potentiometer Replacement Procedure on [previous page](#).
2. Ensure the battery on/off switch is in the “Off” position (LED is Off).
3. Hold down the yellow button on the back of the display CPU board.
4. With the switch depressed, move the battery power on/off switch to the “ON” position (LED will light) and continue holding for three seconds.
5. Press and hold the yellow button on the back of the display CPU board.
6. Move the battery power on/off switch to the “on” position (LED will light) and continue holding switch for three seconds.
7. Verify the “Engage Drive Wheel” led at the head end display housing is flashing.
8. Move the battery power on/off switch back to the “Off” position (all LED’s will go out).
9. Close the drive box.
10. Ensure the control bar is in the center of travel by pushing and pulling the bar, then returning the bar to the neutral position.
11. With no objects touching the control bar, turn the battery power on/off switch to the “On” position.
12. The three LED’s on the front of the bed will flash initially to show the battery voltage of the bed by lighting zero, one, two, or three LED’s.
13. After the battery charge has been displayed by the three LED’s, all three LED’s will flash twice.
14. After all three LED’s have flashed twice, push the drive handle to the full forward position. Hold the drive handle in the full forward position until all three LED’s flash twice again (3 seconds).
15. The “ENGAGE DRIVE WHEEL” LED will flash once.
16. The control bar potentiometer is calibrated.
17. Return the control bar to the neutral position.
18. Grasp the control bar and squeeze either motion switch without moving the control bar forward or backward.
19. Verify the bed does not move.
20. Standing at the head end of the bed, grasp the control bar and squeeze either motion switch, then push the control bar forward.
21. Verify the bed moves forward.
22. Standing at the head end of the bed, grasp the control bar and squeeze either motion switch, then pull the control bar backwards.
23. Verify the bed moves backward.
24. Move the battery power on/off switch “Off”, wait a few seconds, then back “On” again.
25. Repeat steps 18-23 to verify that the burn in procedure was performed correctly.

# Service Information

---

## ZOOM® OPTION AC CROSSOVER BOARD REPLACEMENT

### Tools Required:

- T27 Torx
- 1/2" Box End Wrench
- #2 Phillips Screwdriver
- Wire Cutters
- Small Flat Blade Screwdriver
- Needle Nose Pliers
- 5/16" Nut Driver

### Procedure:

1. Follow steps 1-7 of the "Zoom® Option Control Bar Potentiometer Replacement Procedure".
2. Using a T-27 Torx, remove the two bolts holding the AC crossover board cover to the head end frame and remove the cover.
3. Disconnect all wires from the AC crossover board
4. Using needle nose pliers, release the four mounting standoffs from the board and remove the board.
5. Reverse steps 1 - 4 to install the new board.
6. Reverse steps 1 - 7 of the "Zoom® Option Control Bar Potentiometer Replacement Procedure" to reassemble the bed.

## ZOOM® OPTION DISPLAY/CPU BOARD REPLACEMENT

### Required Tools:

- T27 Torx
- 1/2" Box End Wrench
- #2 Phillips Screwdriver
- Wire Cutters
- Small Flat Blade Screwdriver
- Needle Nose Pliers
- 5/16" Nut Driver

### Procedure:

1. Follow steps 1 - 7 of the "Zoom® Option Control Bar Potentiometer Replacement Procedure".
2. Disconnect all wires from the display/CPU board.
3. Using a #2 Phillips screwdriver, remove the six screws holding the display/CPU board to the control bar cover and remove the board.
4. Reverse steps 2 and 3 to install the new board. After the new board has been installed, the potentiometer "burn-in" procedure must be performed (see "Zoom® Option Control Bar Potentiometer 'Burn-In' Procedure" section).
5. Reverse steps 1 - 7 of the "Zoom® Option Control Bar Potentiometer Replacement Procedure" to reassemble the bed.

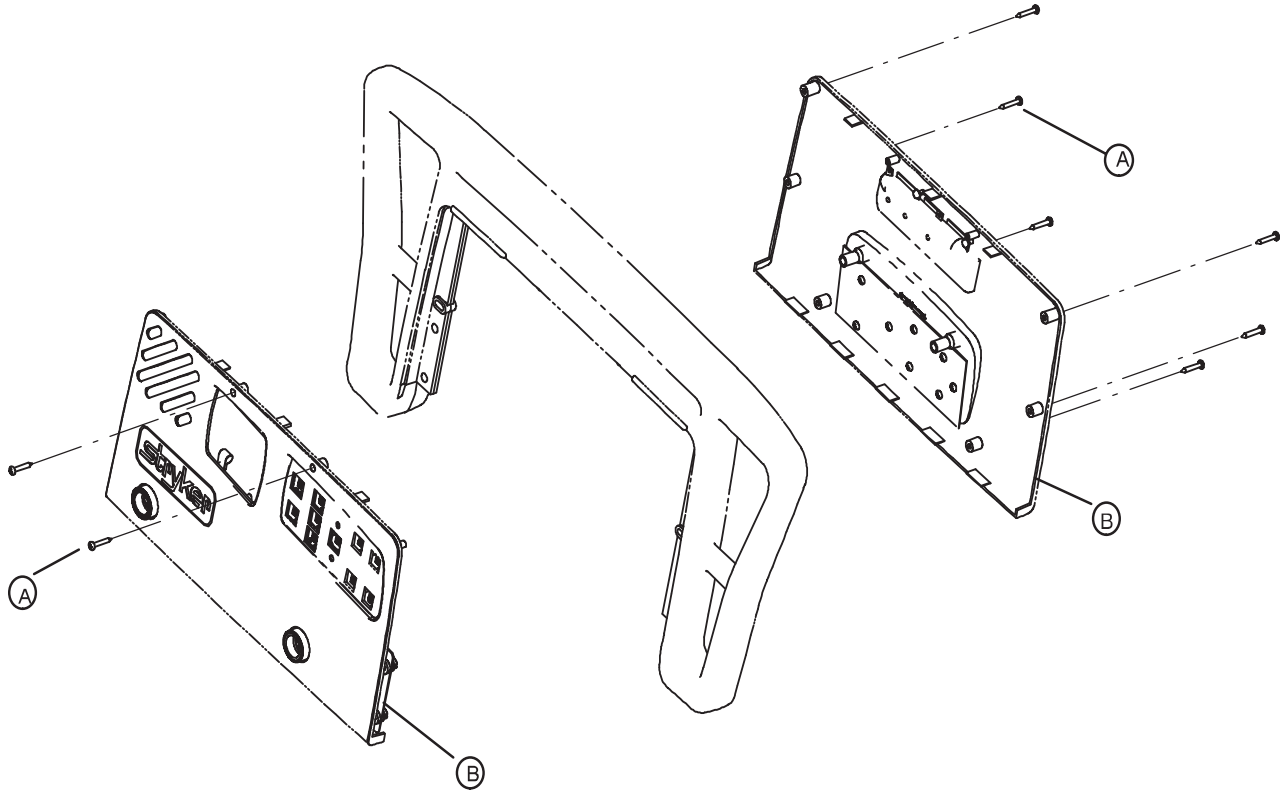
# Maintenance Procedures - Siderail

---

## HEAD AND FOOT SIDERAIL COVER REMOVAL

### Tools Required:

- #2 Phillips Screwdriver



### Procedure:

1. Unplug the power cord from the wall receptacle.
2. Using a #2 Phillips screwdriver, remove the 8 phillips screws (A) holding the covers (B) to the siderail.



### CAUTION

There are two cables connecting the outside cover to the head end siderail. Be careful not to pull on them when removing the cover.

3. Remove the cables from the siderail. Make note of the proper location for the cables.
4. Reverse the above steps to reattach the cover.



### CAUTION

Do not snag the cables when installing the siderail cover.

### Note

Follow the same procedure for siderail cover removal for the foot end rails.

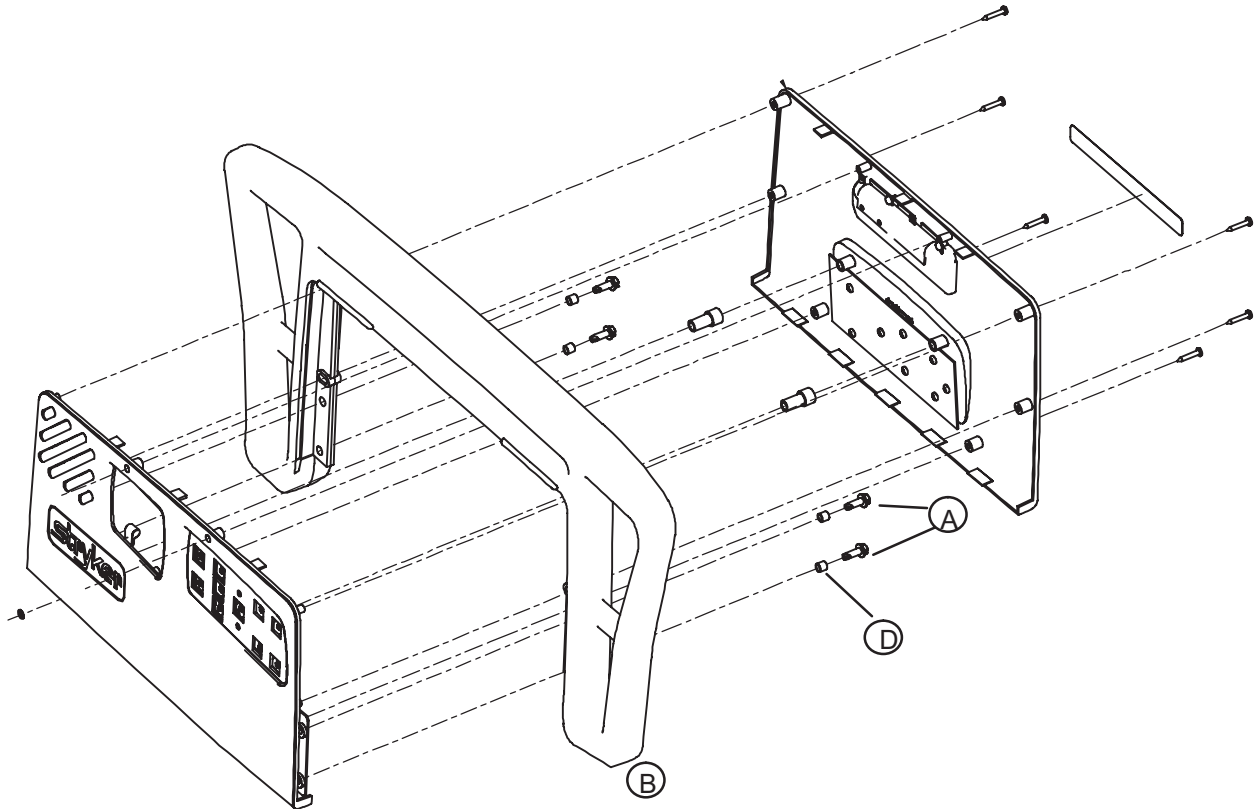
# Maintenance Procedures - Siderail

---

## HEAD AND FOOT MOLDED SIDERAIL REPLACEMENT

### TOOLS REQUIRED:

#2 Phillips Screwdriver  
3/8" Nut Driver



### Procedure:

1. Unplug the bed power cord from the wall socket.
2. Remove the siderail cover (see "Head and Foot Siderail Cover Removal" section)..
3. Using a 3/8" nut driver, remove the screws (A) holding the molded rail (B) to the siderail support assembly.

### Note

Note the location of the spacers (D) for reassembly purposes.

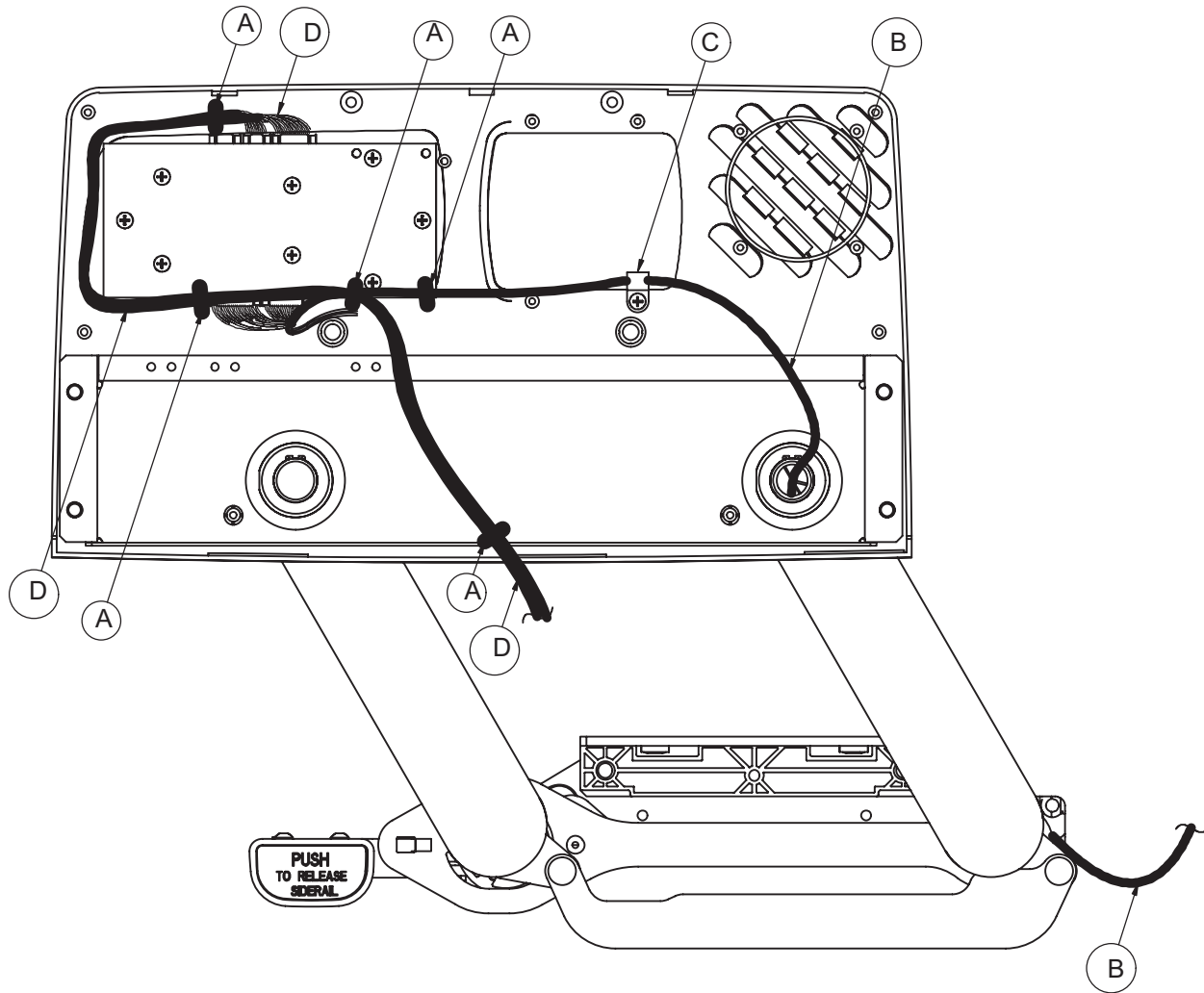
4. Pull up on the molded rail (B) to remove it from the siderail assembly.
5. Reverse the above steps to install the new molded rail.

# Maintenance Procedures - Siderail

## HEAD END SIDERAIL CABLE REPLACEMENT

### Tools Required:

- #2 Phillips Screwdriver
- Side Cutters



### Procedure:

1. Run the head section fully up.
2. Unplug the bed power cord from the wall socket.
3. Using a #2 Phillips screwdriver, remove the eight screws holding the siderail cover and remove the cover.
4. Put the siderail in the down position.
5. Using side cutters, clip the cable ties (A) holding the cables together.
6. Using a #2 Phillips screwdriver, remove the cable clamp (C) from the siderail.
7. Disconnect cable (B) from the circuit board and cable (D) from the speaker.

### Note

The speaker and Nurse Call are optional equipment and may not be in the siderail as shown.

# Maintenance Procedures - Siderail

---

## HEAD END SIDERAIL CABLE REPLACEMENT (CONTINUED)

8. Pull the cables through the siderail (toward the center of the bed).
9. Unplug the cable assembly (F) underneath the head section.
10. Reverse the above steps to install the new cable.

---

### CAUTION

Be sure to position the cables on both sides of the pivot arm, as shown in the illustration in the “Head End Siderail Cable Replacement” section, before reattaching the pivot arm cover. If not done properly, the cover will not fit tightly and damage could occur to the cables.

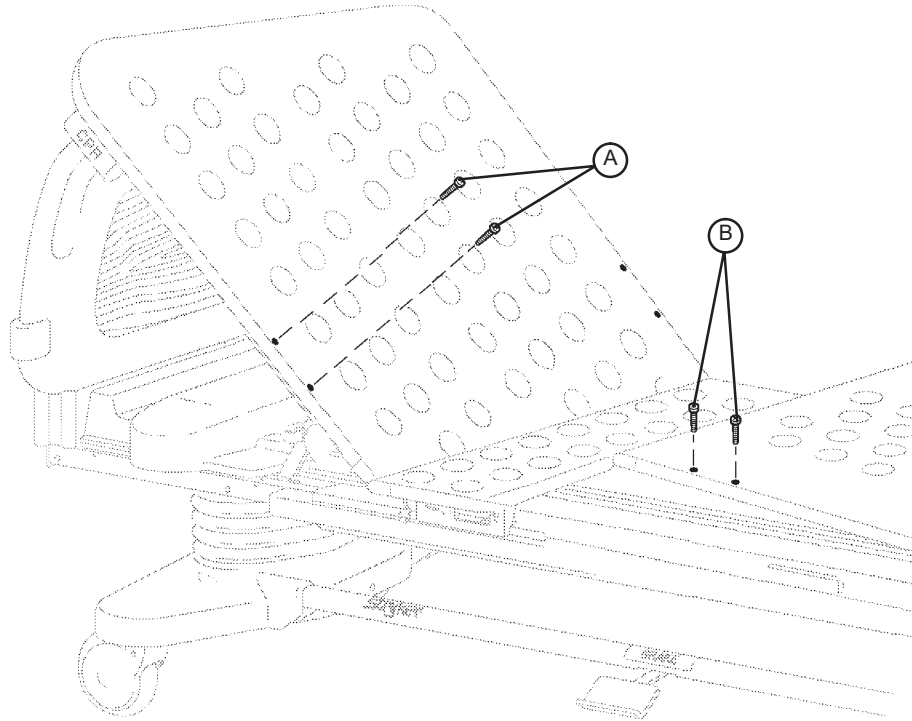
# Maintenance Procedures - Siderail

---

## SIDERAIL ASSEMBLY REMOVAL

### Tools Required:

- T27 Torx



### Procedure:

1. Run the head section up electrically when removing a head end siderail.
2. Unplug the bed power cord from the wall socket.
3. Lower the siderail being removed.

### Note

If removing a head end siderail, the cable must be unplugged.

4. Using a T27 Torx, remove the screw from the ground strap and the two screws (A - head end) or (B - foot end) holding the complete siderail assembly on the head or foot section.
5. Push in on the siderail assembly to clear under the head or foot section and pull the siderail back to remove it from the bed.
6. Reverse the above steps to reinstall the siderail assembly. Be sure to reinstall the foot end siderails to the same location (holes) they were removed from.

### Note

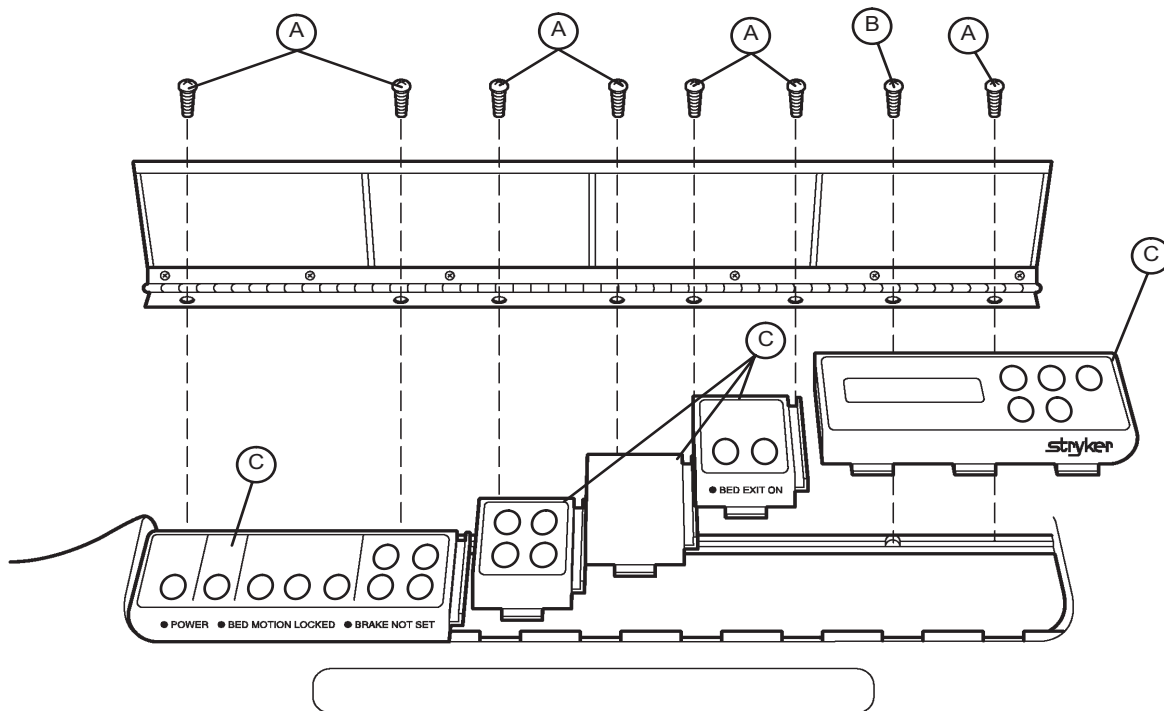
Grease the glide rods on the replacement siderail assembly with Syntech grease.

# Maintenance Procedures - Foot Board

## FOOT BOARD HINGE REMOVAL

### Tools Required:

#2 Phillips Screwdriver



### Procedure:

1. Using a #2 Phillips screwdriver, remove the screws (A & B) holding the door and hinge assembly to the foot board.
2. If replacing the hinge only, use a Phillips screwdriver to remove the screws holding the hinge to the door.
3. Reverse the above steps to attach the replacement door and/or hinge.

### Note

Screw (B) is a machine screw and must be reinstalled in the proper hole.

# Maintenance Procedures - Foot Board

---

## FOOT BOARD MODULE REPLACEMENT

### Tools Required:

- #2 Phillips Screwdriver

### Procedure:

1. Unplug the bed power cord from the wall socket. Remove the foot board hinge (see “Foot Board Hinge Removal” section).

### Note

No matter which module is being replaced, the farthest module to the right must be removed first.

2. Pull the module out of the foot board and disconnect the cable from the module (C).
3. Reverse the above steps to install the new module.



### CAUTION

The modules must be overlapped as shown in the illustration to prevent fluids from entering the board cavity and causing damage.

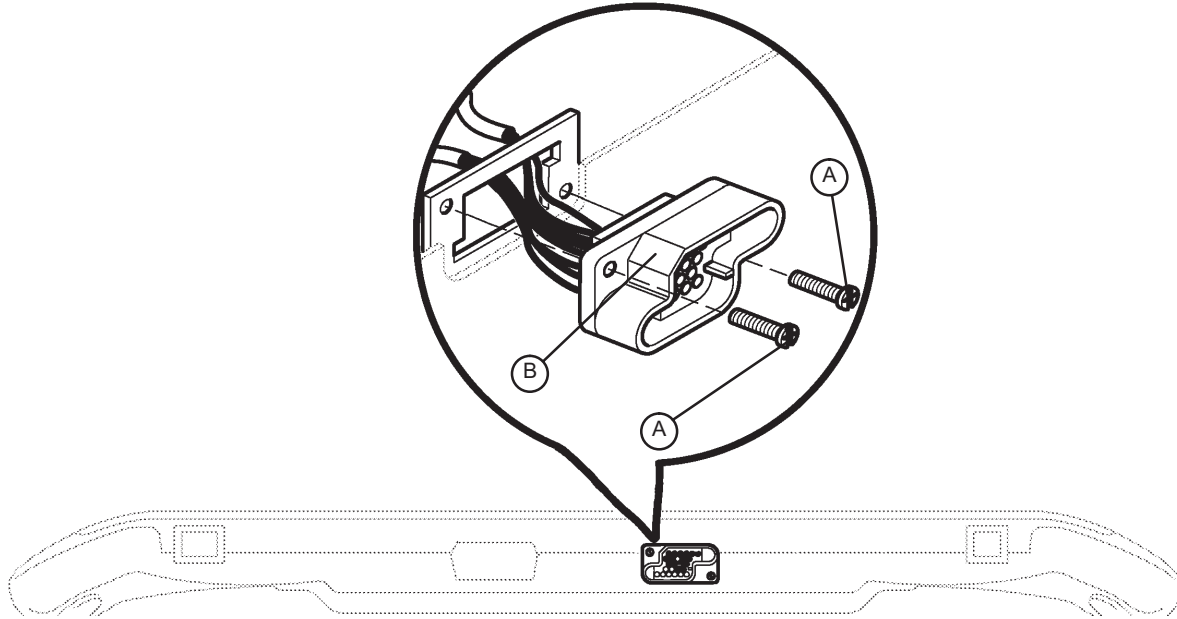
# Maintenance Procedures - Foot Board

---

## FOOT BOARD INTERFACE PLUG REPLACEMENT

### Tools Required:

- #2 Phillips Screwdriver



BOTTOM VIEW OF FOOT BOARD

### Procedure:

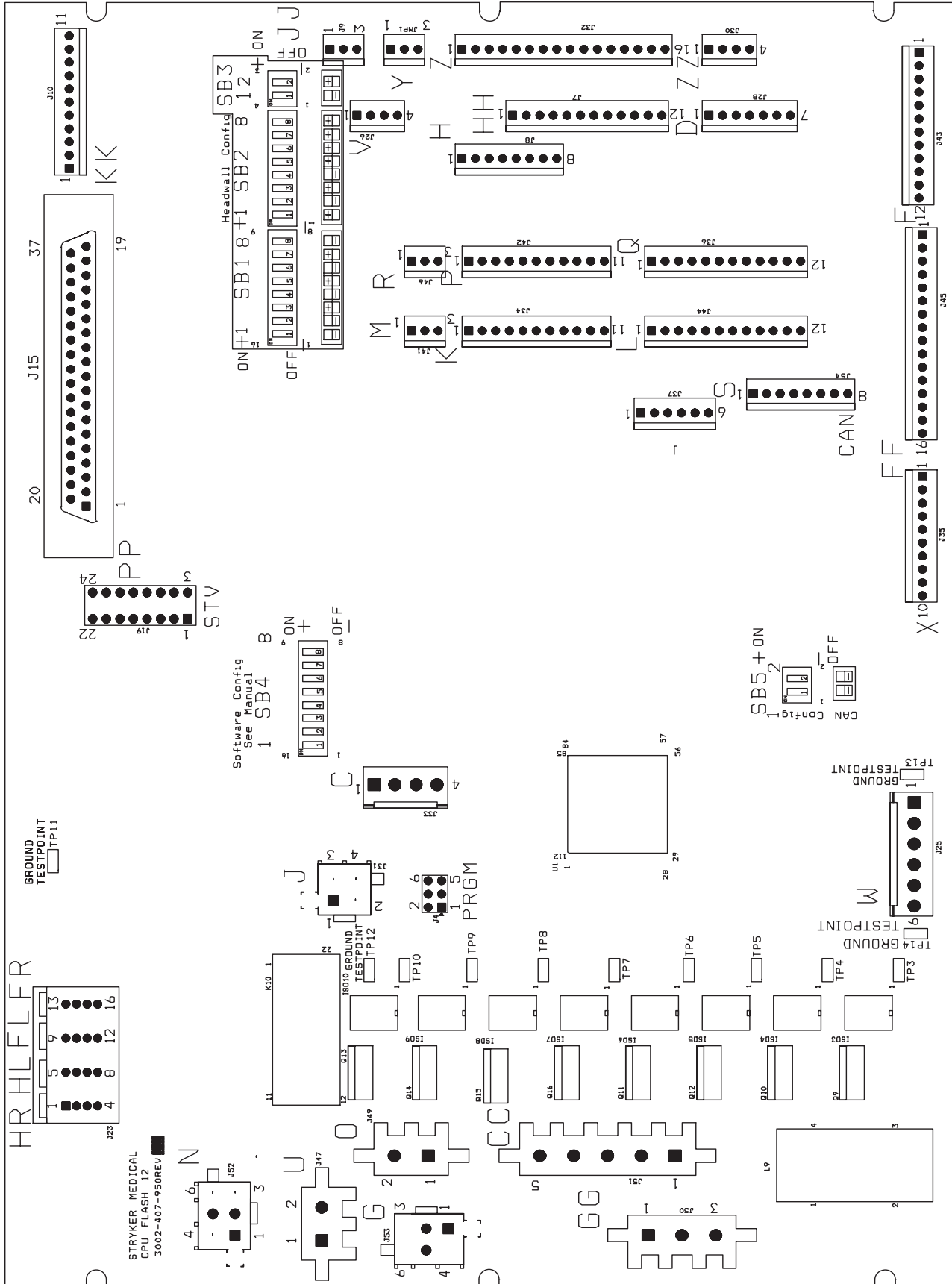
1. Unplug the bed power cord from the wall socket.
2. Remove the foot board from the bed to access the bottom of the board.
3. Properly ground yourself (see "Static Discharge Precautions" section).
4. Using a #2 Phillips screwdriver, remove the eight screws holding the foot board door to the foot board and remove the door.
5. Using a #2 Phillips screwdriver, remove the two screws (A) holding the plug to the foot board.
6. Disconnect the cable from the foot board module cable. Note proper placement of the cable so it will be reconnected properly.
7. Reverse the above steps to install the new interface plug.



### CAUTION

Be sure to install the plug with the flat edge (B) at the top left, as shown in the illustration, or the foot board interface plug will not mate properly with the bed. Damage to the plug or the foot board could result.

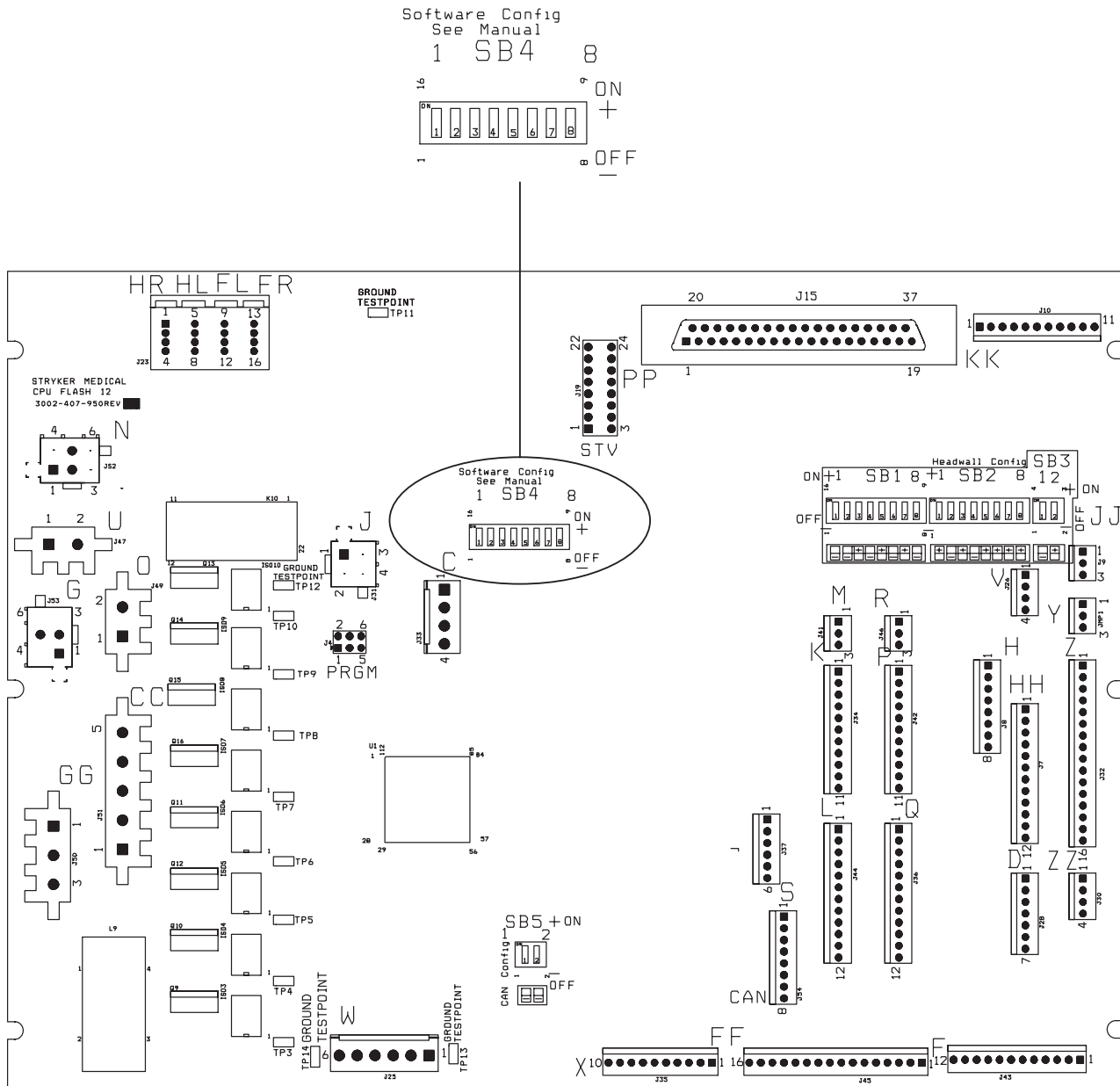
# CPU Board - 3002-407-950



## CPU Board - 3002-407-950






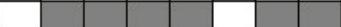



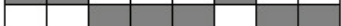
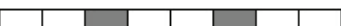









| Cable Location | Voltage                            | Positive Lead | Negative Lead | Description                       |
|----------------|------------------------------------|---------------|---------------|-----------------------------------|
| W              | +12VDC                             | Pin 1         | Pin 4 or 5    | Relays & Siderails Light Voltage  |
| W              | +5VDC                              | Pin 2 & 3     | Pin 4 or 5    | +5VDC from Power Supply           |
| W              | -12VDC                             | Pin 6         | Pin 4 or 5    | Relays & Siderails Light Voltage  |
| J              | +5VDC                              | Pin 4         | Pin 2         | +5VDC for Head Lift Potentiometer |
| J              | 0 - 5VDC                           | Pin 3         | Pin 2         | Head Lift Potentiometer Wiper     |
| C              | +5VDC                              | Pin 1         | Pin 2         | +5VDC for Foot Lift Potentiometer |
| C              | 0 - 5VDC                           | Pin 3         | Pin 2         | Foot Lift Potentiometer Wiper     |
| GG             | 0VAC w/o Switch<br>110VAC w/Switch | Pin 2 Purple  | Pin 1 Blue    | Gatch Up                          |
| GG             | 0VAC w/o Switch<br>110VAC w/Switch | Pin 3 Red     | Pin 1 Blue    | Gatch Down                        |
| CC             | 0VAC w/o Switch<br>120VAC w/Switch | Pin 1 Black   | Pin 3 Red     | Fowler Up                         |
| CC             | 0VAC w/o Switch<br>120VAC w/Switch | Pin 2 White   | Pin 3 Red     | Fowler Down                       |
| O              | 110VAC                             | Pin 1         | Pin 2         | Line Voltage to Bed               |
| N              | 0VAC w/o Switch<br>120VAC w/Switch | Pin 3 Black   | Pin 1 White   | Head Lift Down                    |
| N              | 0VAC w/o Switch<br>120VAC w/Switch | Pin 6 Red     | Pin 1 White   | Head Lift Up                      |
| G              | 0VAC w/o Switch<br>120VAC w/Switch | Pin 3 Black   | Pin 1 Red     | Foot Lift Down                    |
| G              | 0VAC w/o Switch<br>120VAC w/Switch | Pin 6 White   | Pin 1 Red     | Foot Lift Up                      |

# Software Configuration



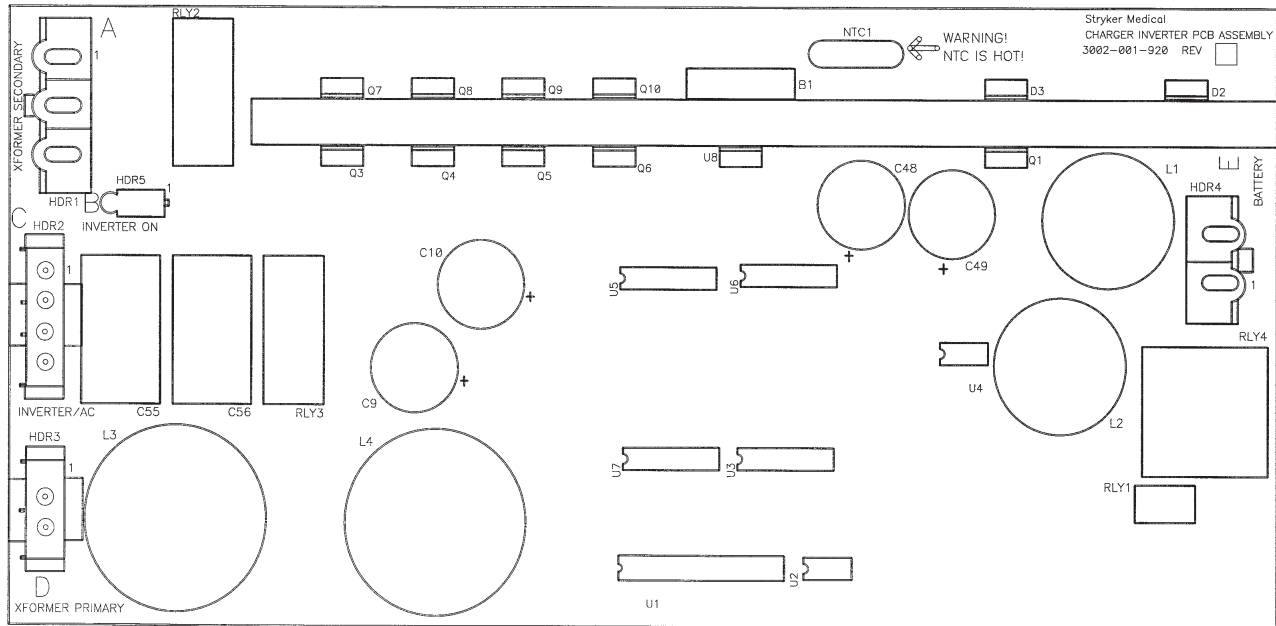
1. Locate switch bank 4, labeled SB4 on the CPU board (see above).
2. Move the switches to the appropriate positions for the specific bed (see "Software Configuration" section).
3. To verify the switch settings, check what the foot board LCD displays in the burn-in mode. For beds with a Scale System, select software configuration in the diagnostic mode.

# Software Configuration

|   |  |
|---|--|
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>     | Functional Test                                  |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>     | Med-Surg-Standard Bed                            |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>     | Med-Surg-Zoom®/Standard Bed                      |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>     | Med-Surg-Zoom®/Scale/Bed Exit                    |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>     | Med-Surg-Zoom®/Scale/Zone Control Bed Exit       |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>     | Med-Surg-Scale/Bed Exit                          |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p>   | Med-Surg-Scale/Zone Control Bed Exit             |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p> | Med-Surg-Short/Zoom®/Standard Bed                |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p> | Med-Surg-Short/Zoom®/Scale/Bed Exit              |
| <p>ON </p> <p>OFF </p> <p>1 2 3 4 5 6 7 8</p> | Med-Surg-Short/Zoom®/Scale/Zone Control Bed Exit |



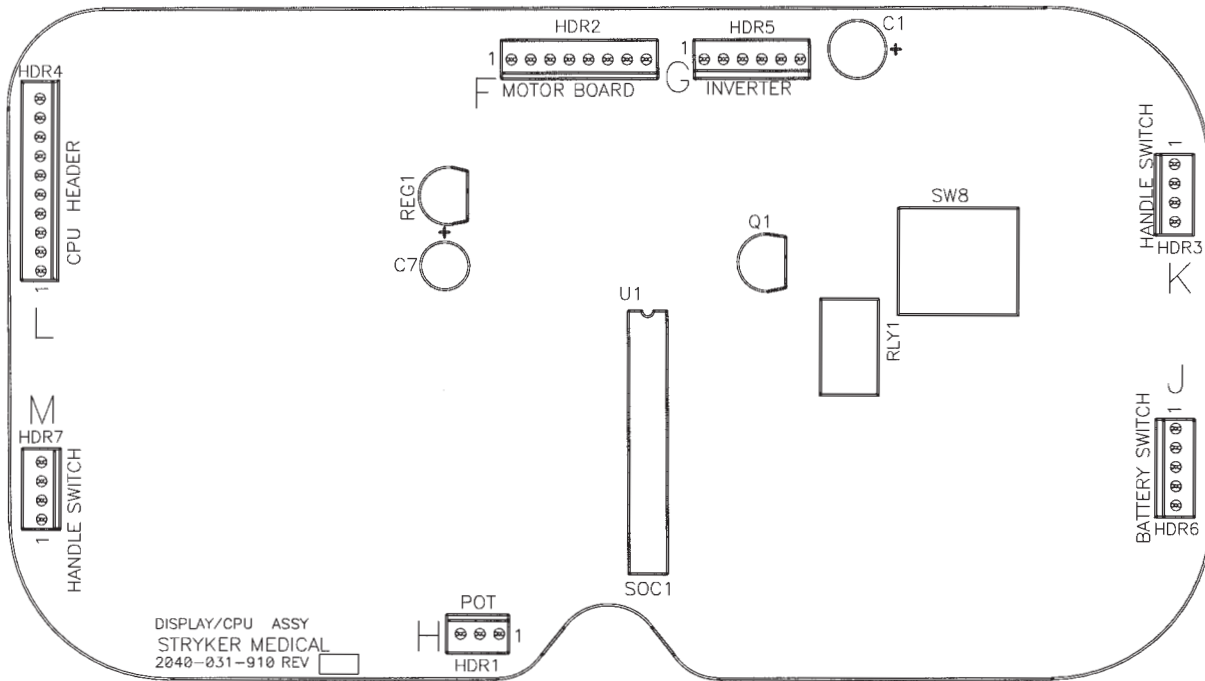
# Zoom® Option Inverter/Charger Board - 3002-001-030



| Connector Location | Voltage    | Positive Lead | Negative Lead                 | Description                                     |
|--------------------|------------|---------------|-------------------------------|---|
| HDR 4              | 26VDC      | Pin 2 Red     | Pin 1 Black                   | From Battery<br>- unplugged                     |
| HDR 1              | 22VAC      | Pin 3 Red     | Pin 2                         | Secondaries<br>from transformer<br>- plugged in |
| HDR 1              | 34VAC      | Pin 1 Green   | Pin 2 Brown                   | Secondaries<br>from transformer<br>- plugged in |
| HDR 2              | 110-140VAC | Pin 4 Brown   | Inverter Module<br>Pin 3 Blue | Unplugged                                       |
| HDR 2              | 110V       | Pin 2 Brown   | Pin 1 Blue                    | From Wall -<br>plugged in                       |
| HDR 3              | 120V       | Pin 2         | Plug-in<br>Pin 1              | Wall Voltage<br>- plugged in                    |

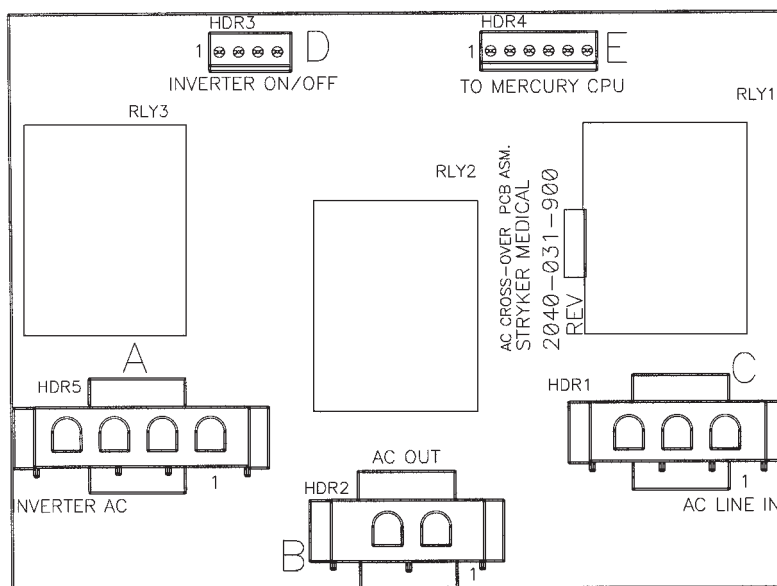
[Return To Table of Contents](#)

# Zoom® Option Display/CPU - 2040-031-910



| Connector Location | Voltage                      | Positive Lead | Negative Lead | Description  |
|--------------------|------------------------------|---------------|---------------|--|
| HDR 1 (H)          | 0-5VDC                       | Pin 1         | Pin 2         | Control Potentiometer Wiper Voltage (with Switch On)       |
| HDR 6 (j)          | Battery voltage around 26VDC | Pin 1         | Pin 5         | Battery Voltage Return from On/Off Switch (with Switch On) |
| HDR 4 (L)          | 5VDC                         | Pin 9         | Pin 1         | Voltage from CPU   |
| HDR 1              | 5VDC                         | Pin 1         | Pin 3         | DC Voltage to Potentiometer                                |
| HDR 7              | Continuity                   | Pin 1         | Pin 4         | Right Hand Switch  |
| HDR 3              | Continuity                   | Pin 1         | Pin 4         | Left Hand Switch   |
| HDR 2              | 26VDC                        | Pin 3         | Pin 1         | Battery Voltage  |

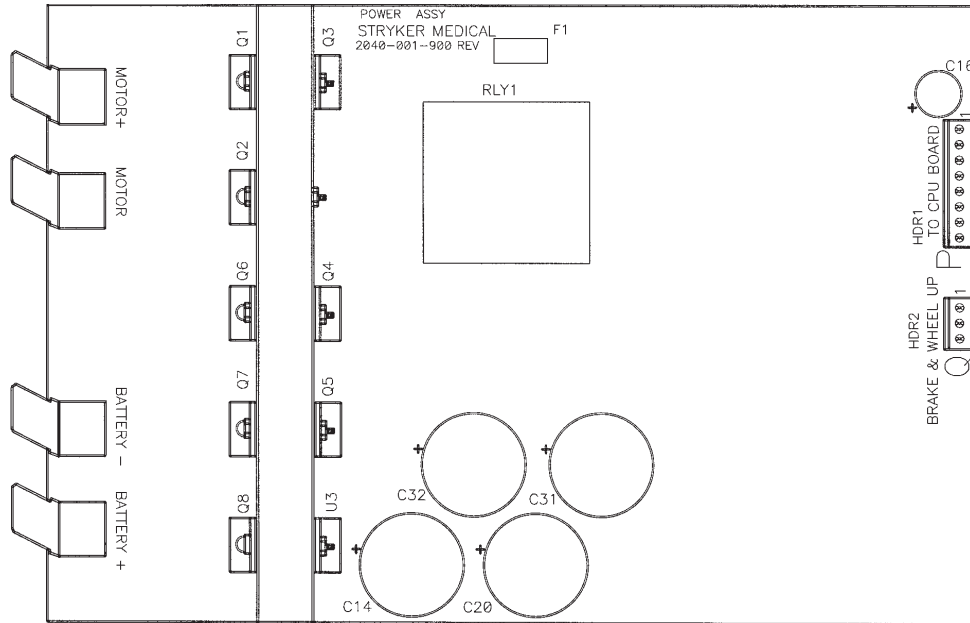
# Zoom® Option AC Crossover Board - 2040-031-900



| Connector Location | Voltage | Positive Lead | Negative Lead | Description   |
|--------------------|---------|---------------|---------------|---|
| HDR 5 (A)          | 120VAC  | Pin 4         | Pin 1         | AC Input to Board from the Inverter with the Power Cord Unplugged |
| HDR 1 (C)          | 120VAC  | Pin 3         | Pin 1         | AC Input to Board from the Wall Receptacle                        |
| HDR 2 (B)          | 120VAC  | Pin 2         | Pin 1         | AC Output of Board to Main Power                                  |
| HDR 4 (E)          | +5VDC   | Pin 4         | Pin 1         | +5VDC when AC is Unplugged from the Wall Receptacle               |

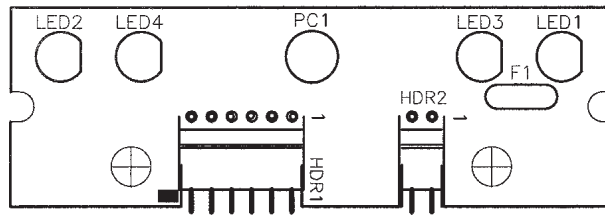
# Bed Circuit Boards

## OPTIONAL DC MOTOR POWER BOARD - 2040-001-900



| Connector Location | Voltage                         | Positive Lead | Negative Lead | Description                                   |
|--------------------|---------------------------------|---------------|---------------|---|
| HDR 1 (P)          | Battery voltage around 26VDC    | Pin 3 Red     | Pin 1 Black   | Battery Voltage out to the Display/ CPU Board |
| HDR 2 (Q)          | 5VDC Disengaged<br>0VDC Engaged | Pin 1 Red     | Pin 3 Black   | Drive Wheel                                   |
| HDR 2 (Q)          | 5VDC Disengaged<br>0VDC Engaged | Pin 2 Red     | Pin 3 Black   | Brakes  |

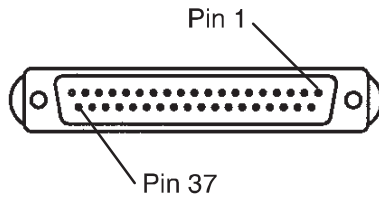
## NIGHT LIGHT BOARD - 3002-310-900



| Connector Location | Negative Lead  | Positive Lead  | Voltage | Description                       |
|--------------------|----------------|----------------|---------|-----------------------------------|
| HDR 2              | Pin 1          | Pin 2          | 5VDC    | Supply IN                         |
| HDR 1              | Pin 1<br>HDR 2 | Pin 2<br>Pin 4 | 5VDC    | Output Voltage for Optional LED's |

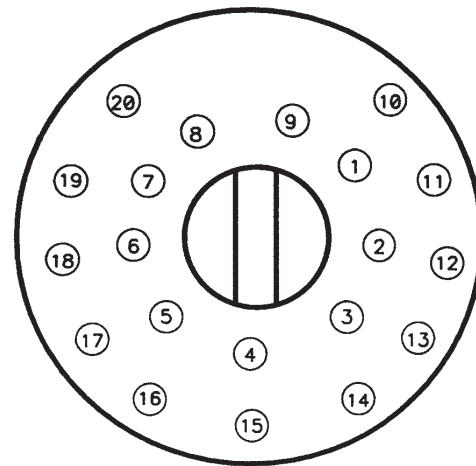
# Head Wall Output Configuration

## 37-Pin Connector



|        |  |
|--------|--|
| Pin 1  | Option 2 Common                              |
| Pin 2  | Read Light                                   |
| Pin 3  | Room Light                                   |
| Pin 4  | Speaker High                                 |
| Pin 5  | Potentiometer Wiper                          |
| Pin 6  | Radio Common                                 |
| Pin 7  | Nurse Call Interlock                         |
| Pin 8  | Audio Transfer -                             |
| Pin 9  | Audio Transfer +                             |
| Pin 10 | Interlock +                                  |
| Pin 11 | Interlock -                                  |
| Pin 12 | Spare  |
| Pin 13 | Options 3 Common                             |
| Pin 14 | Potentiometer Low Common                     |
| Pin 15 | Potentiometer High Common (Std.)/Audio (STV) |
| Pin 16 | Nurse Answer Light +                         |
| Pin 17 | Option 1 NO/NC                               |
| Pin 18 | Option 1 Common                              |
| Pin 19 | Nurse Call Light +                           |
| Pin 20 | Option 2 NO/NC                               |
| Pin 21 | Option 3 NO/NC                               |
| Pin 22 | Option 3A NO/NC                              |
| Pin 23 | Option 2A Common                             |
| Pin 24 | Option 2A NO/NC                              |
| Pin 25 | Nurse Call +                                 |
| Pin 26 | Nurse Call NO/NC                             |
| Pin 27 | Room/Read Light Common                       |
| Pin 28 | Nurse Call Light -                           |
| Pin 29 | Nurse Answer Light -                         |
| Pin 30 | Priority NO/NC                               |
| Pin 31 | Priority Common                              |
| Pin 32 | Option 3A Common                             |
| Pin 33 | TV - (Std.)/Data (STV)                       |
| Pin 34 | TV + (Std.)/Common (STV)                     |
| Pin 35 | Speaker Low Common                           |
| Pin 36 | Audio Shield                                 |
| Pin 37 | Radio NO/NC                                  |

## Stryker Pendant Port



|    |   |
|----|---|
| 1  | Scan Line                               |
| 2  | Audio (-)                               |
| 3  | Nurse Call (+)                          |
| 4  | +5 VDC                                  |
| 5  | Scan Line                               |
| 6  | Scan Line                               |
| 7  | Nurse Call (-)                          |
| 8  | TV Channel Up                           |
| 9  | Backlight                               |
| 10 | Audio (+)                               |
| 11 | Gatch Up/Fowler In/Foot Up/DMS Firm     |
| 12 | Gatch Down/Fowler Out/Foot Out/DMS Soft |
| 13 | Fowler Up/Trend In                      |
| 14 | Fowler Down/Trend Out                   |
| 15 | Audio Shield                            |
| 16 | Not Used - Socket Filled                |
| 17 | Bed Up                                  |
| 18 | Ground                                  |
| 19 | Read Light/Bed Down                     |
| 20 | Room Light                              |

# Zoom® Option Inverter Protection Features

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The inverter has several features to prevent internal damage:

1. Low Battery Voltage - If the battery voltage at the inverter drops below the low voltage cutoff, the inverter will shut off.
2. Over-Temperature - If the inverter gets too hot, it will shut off. The overheating may be caused by high ambient temperature, blocked air flow or an overload condition. When the inverter reaches an acceptable temperature, it will restart.
3. Over-Power - The inverter will source up to its maximum power rating. If the load requires more, the output voltage will shut down. Turning the power switch off and on will reset the inverter. Plugging the bed power cord into the wall socket to charge the battery will reset the inverter.



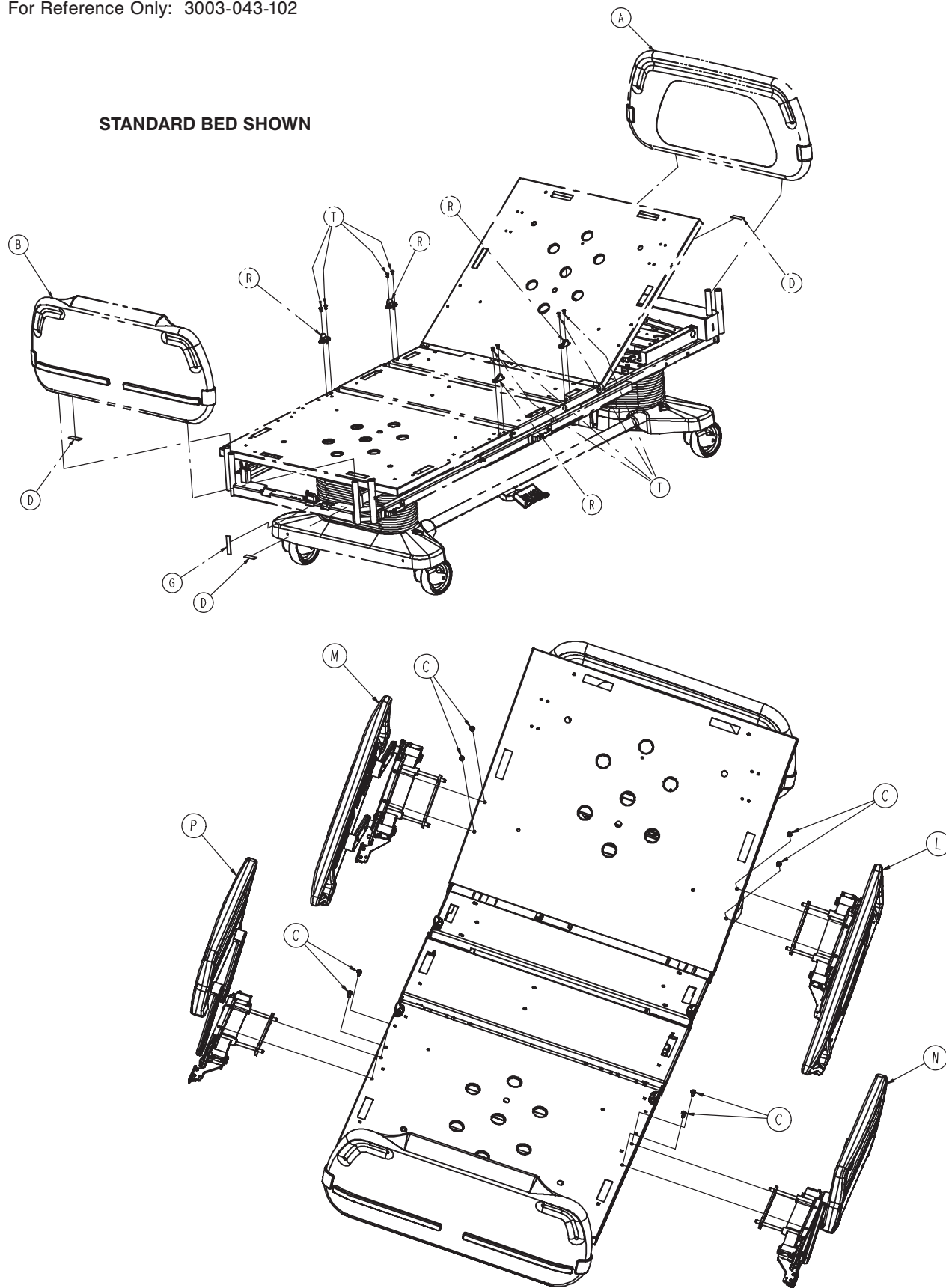
## **WARNING**

The inverter generates 115VAC, the same as a wall receptacle. To prevent injury, do not put anything into the electrical outlets other than an appliance power cord. Keep the outlets covered when not in use. Do not submerge the unit or subject it to moisture.

# Secure II Assembly

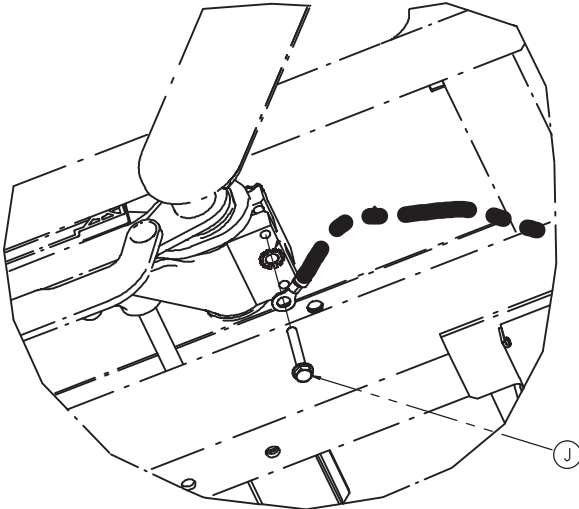
For Reference Only: 3003-043-102

## STANDARD BED SHOWN

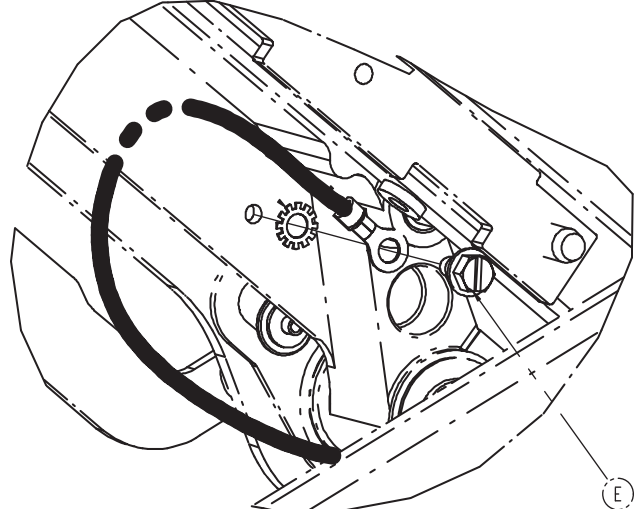


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# Secure II Bed Assembly



Foot End Siderail Ground Configuration



Head End Siderail Ground Configuration

## Standard Length Bed Components - 3003-043-102 (Reference Only)

| Item | Part No.     | Part Name                             | Qty. |
|------|--------------|---------------------------------------|------|
| A    | 3002-600-000 | Head Board Assembly                   | 1    |
| B    | 3002-500-011 | Foot Board Assembly                   | 1    |
| C    | 0007-065-000 | Truss Hd. Screw                       | 8    |
| D    | 3000-300-625 | Dom. Label                            | 1    |
| E    | 0003-221-000 | Hex Washer Hd. Screw                  | 2    |
| F    | 3000-300-113 | 8" Cable Tie                          | 10   |
| G    | 3000-300-641 | Foot Board Ground Label               | 1    |
| H    | 3002-410-020 | Night Light Assembly (Option)         | 1    |
| J    | 0003-369-000 | Hex Washer Head Screw                 | 2    |
| K    | 3003-343-002 | Litter Assembly                       | 1    |
| L    | 3003-402-105 | HE Siderail Ass'y, Std Components, LH | 1    |
| M    | 3003-402-205 | HE Siderail Ass'y, Std Components, RH | 1    |
| N    | 3003-401-300 | FE Siderail Ass'y, LH                 | 1    |
| P    | 3003-401-400 | FE Siderail Ass'y, RH                 | 1    |
| R    | 3003-300-033 | Mattress Retainer                     | 4    |
| T    | 0025-120-000 | Rivet                                 | 8    |

## 8" Shorter Bed Components - 3003-042-102 - (Reference Only)

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| F    | 3000-300-113 | 8" Cable Tie               | 6    |
| K    | 3003-300-002 | Litter Assembly            | 1    |
| R    | 3003-402-105 | Lt. Hd. End Siderail Ass'y | 1    |
| T    | 3003-402-205 | Rt. Hd. End Siderail Ass'y | 1    |
| U    | 3003-401-300 | Lt. Ft. End Siderail Ass'y | 1    |
| V    | 3003-401-400 | Rt. Ft. End Siderail Ass'y | 1    |

# Secure II Bed Assembly

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## Zoom Option Bed Components - 3003-044-102 - (Reference Only)

| item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| F    | 3000-300-113 | 8" Cable Tie               | 10   |
| K    | 3003-300-002 | Litter Assembly            | 1    |
| L    | 3003-402-105 | Lt. Hd. End Siderail Ass'y | 1    |
| M    | 3003-402-205 | Rt. Hd. End Siderail Ass'y | 1    |
| N    | 3003-401-300 | Lt. Ft. End Siderail Ass'y | 1    |
| P    | 3003-401-400 | Rt. Ft. End Siderail Ass'y | 1    |
| R    | 3003-300-033 | Mattress Retainer          | 4    |
| T    | 0025-120-000 | Pop Rivet                  | 8    |
| U    | 3002-031-113 | Umbilical Cable Iso. Brkt. | 1    |

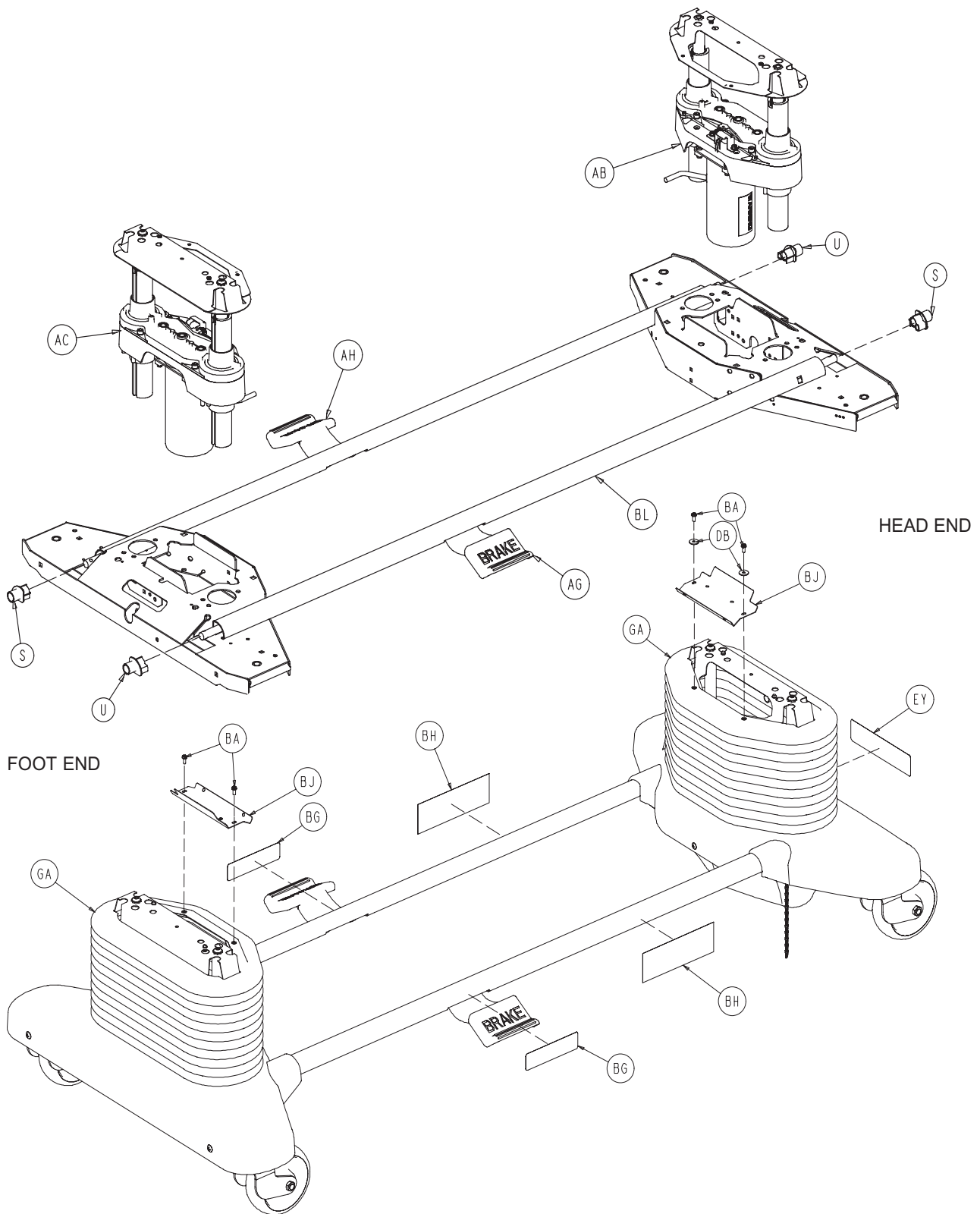
## Zoom Option 8" Shorter Bed Components

| item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| F    | 3000-300-113 | 8" Cable Tie               | 6    |
| K    | 3003-300-002 | Litter Assembly            | 1    |
| R    | 3003-402-105 | Lt. Hd. End Siderail Ass'y | 1    |
| T    | 3003-402-205 | Rt. Hd. End Siderail Ass'y | 1    |
| U    | 3003-401-300 | Lt. Ft. End Siderail Ass'y | 1    |
| V    | 3003-401-400 | Rt. Ft. End Siderail Ass'y | 1    |
| W    | 3002-031-113 | Umbilical Cable Iso. Brkt. | 1    |

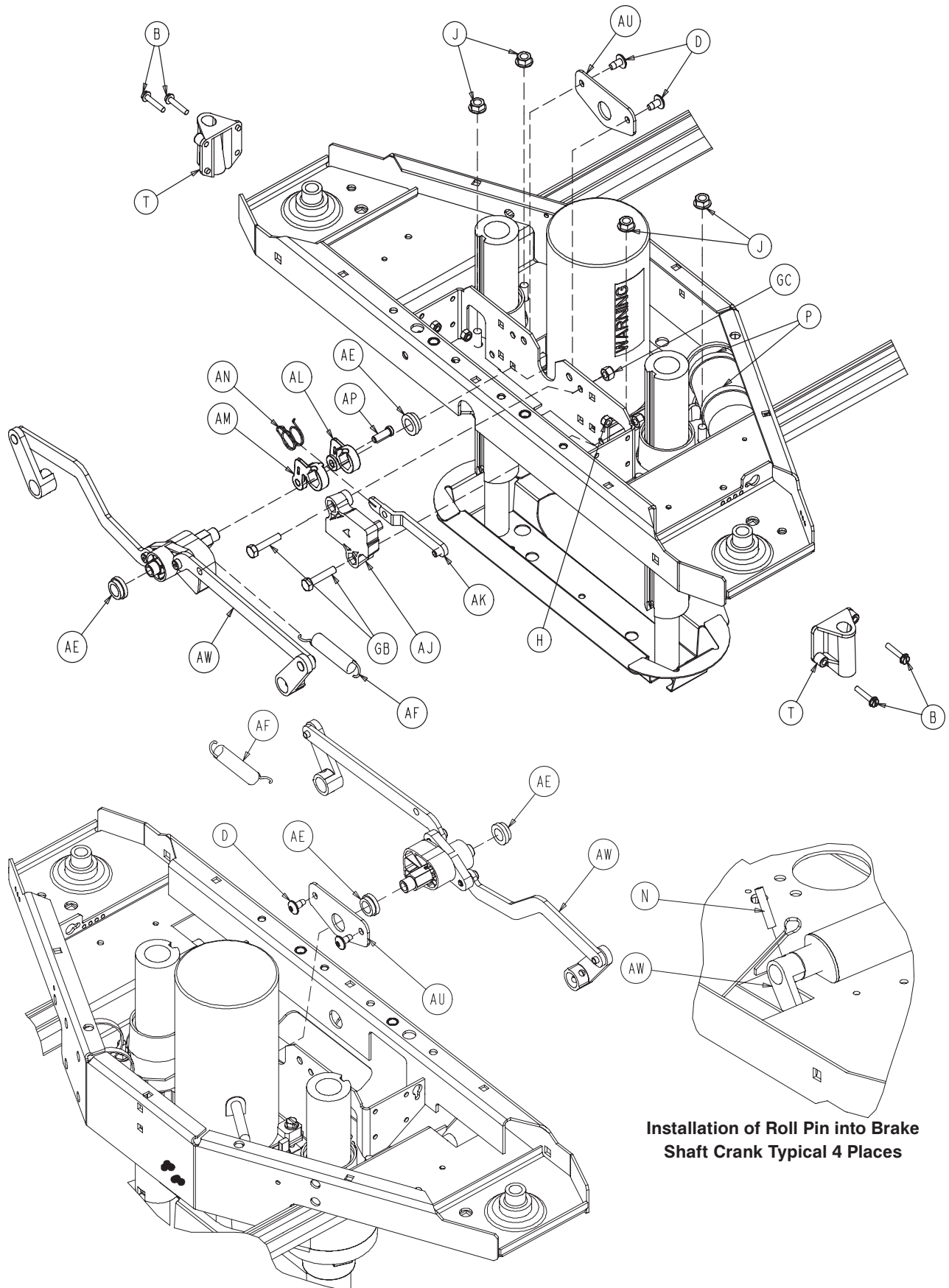
## Battery Backup Option Components - 3003-350-000 (Reference Only)

| item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| F    | 3000-300-113 | 8" Cable Tie               | 10   |
| K    | 3003-300-002 | Litter Assembly            | 1    |
| L    | 3003-402-105 | Lt. Hd. End Siderail Ass'y | 1    |
| M    | 3003-402-205 | Rt. Hd. End Siderail Ass'y | 1    |
| N    | 3003-401-300 | Lt. Ft. End Siderail Ass'y | 1    |
| P    | 3003-401-400 | Rt. Ft. End Siderail Ass'y | 1    |
| R    | 3003-300-033 | Mattress Retainer          | 4    |
| T    | 0025-120-000 | Pop Rivet                  | 8    |

# Base Assembly and Options



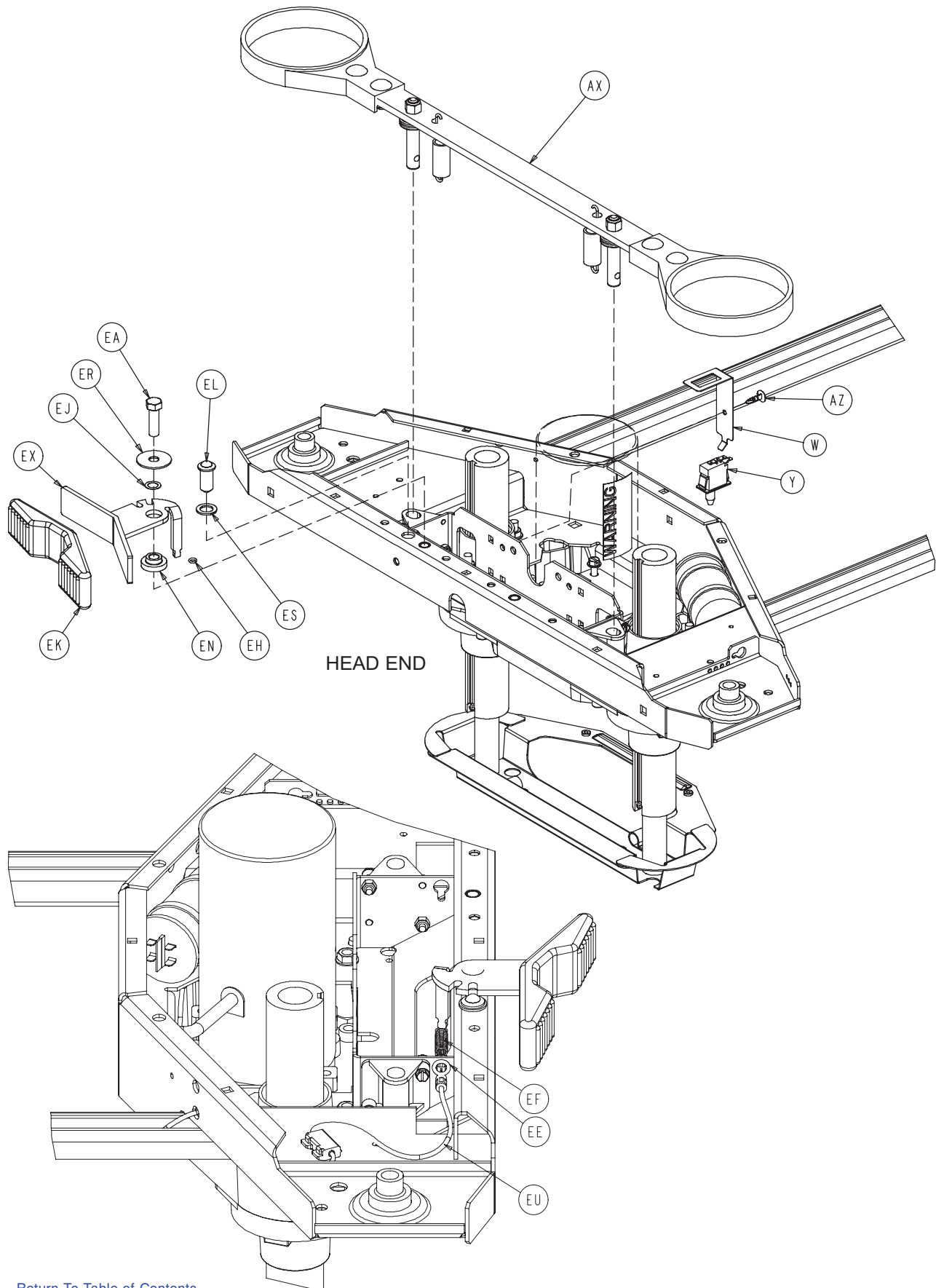
# Base Assembly and Options



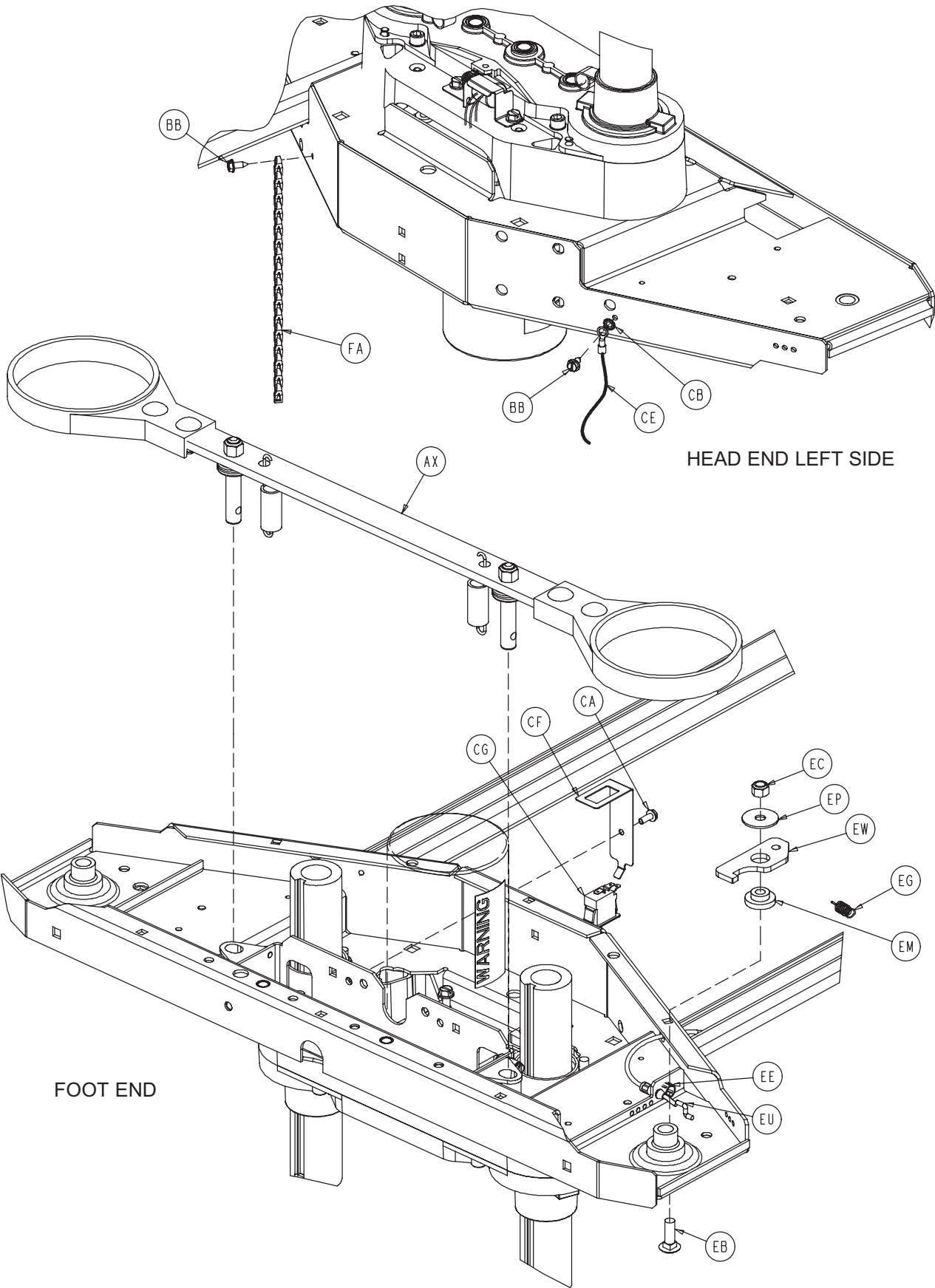
**Installation of Roll Pin into Brake  
Shaft Crank Typical 4 Places**

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# Base Assembly and Options

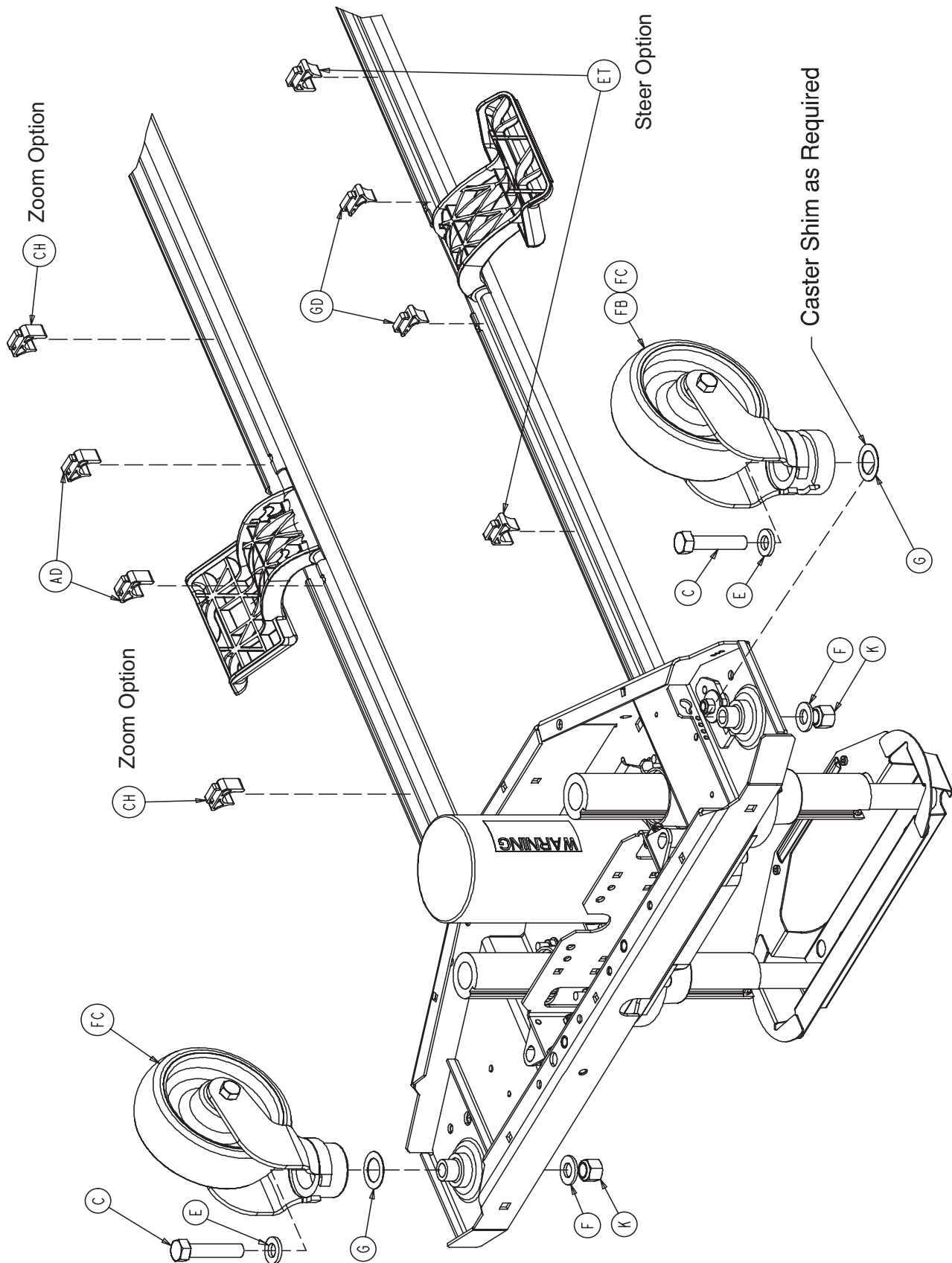


# Base Assembly and Options

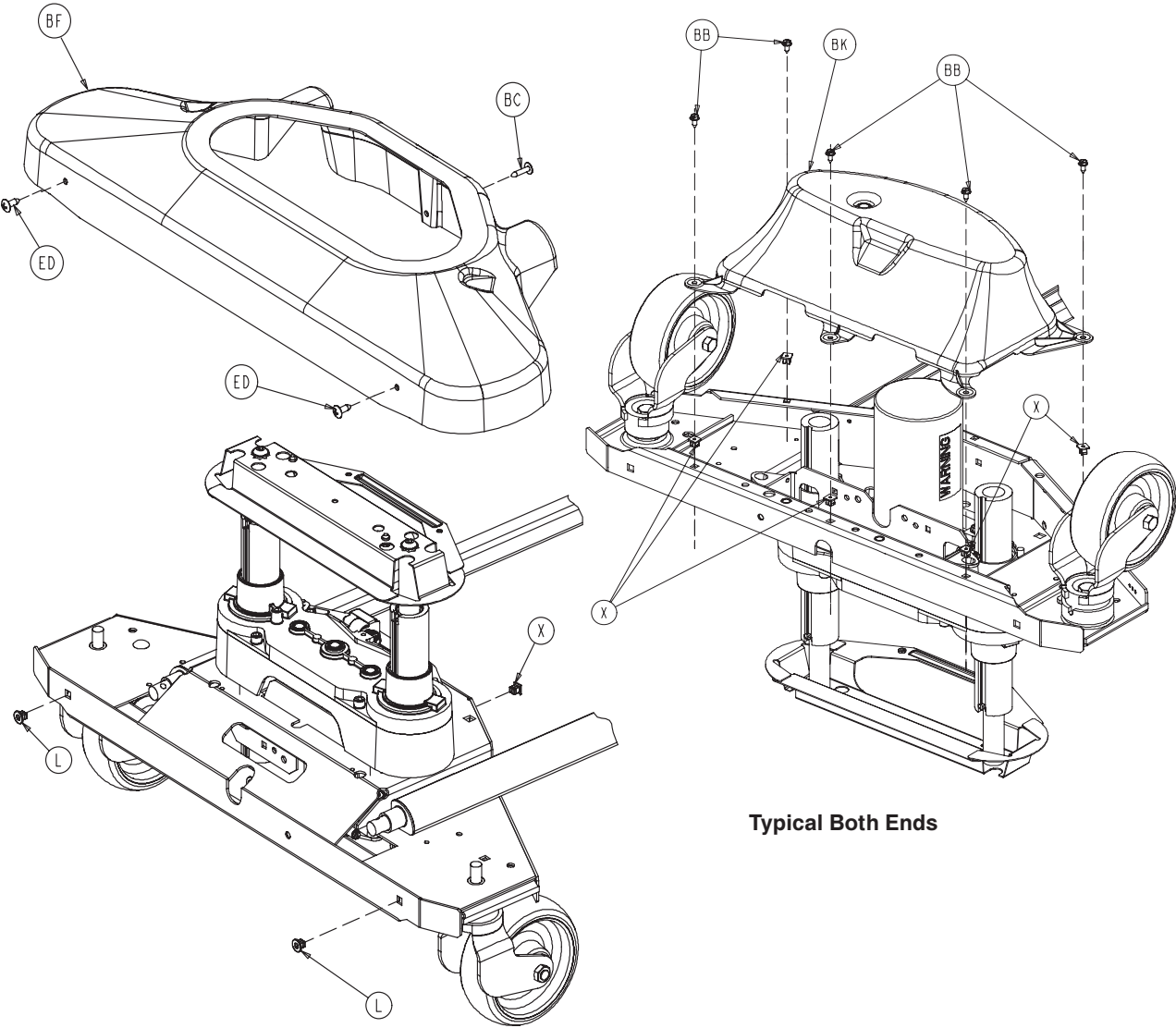


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# Base Assembly and Options

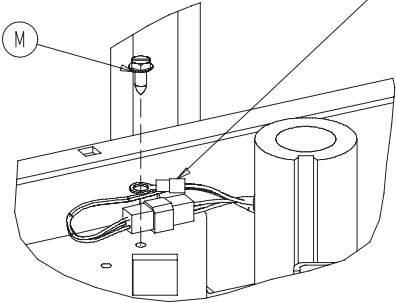


# Base Assembly and Options



Typical Both Ends

Sensor Coil Cable p/n 3001-200-815 Ground



Typical Both Ends

# Base Assembly and Options

## Base Assembly Common Components - 3002-200-003 (Reference Only)

| Item | Part No.     | Part Name                                    | Qty. | Item | Part No.     | Part Name                                      | Qty. |
|------|--------------|--|------|------|--------------|--|------|
| B    | 0003-122-000 | Hex Washer Hd. Screw                         | 8    | AC   | 3001-200-201 | <a href="#">Foot End Lift Ass'y (pg.114)</a>   | 1    |
| D    | 0007-052-000 | Truss Hd. Torx                               | 4    | AD   | 3001-200-306 | Brake Pedal Shaft Bearing                      | 4    |
| E    | 0011-310-000 | Washer                                       | 4    | AE   | 3001-200-317 | Brake Cam Shaft Bushing                        | 4    |
| G    | 0011-343-000 | Washer                                       | 4    | AF   | 3001-200-334 | Brake Return Ext. Spring                       | 2    |
| H    | 0016-002-000 | Nylock Nut                                   | 8    | AG   | 3001-200-340 | <a href="#">Brake Shaft Ass'y, Lt.(pg.119)</a> | 1    |
| J    | 0016-098-000 | Hex Flange Nut                               | 8    | AH   | 3001-200-345 | <a href="#">Brake Shaft Ass'y, Rt.(pg.119)</a> | 1    |
| K    | 0016-049-000 | Nylock Jam Nut                               | 4    | AJ   | 3002-201-301 | Brake Ratchet Track                            | 1    |
| L    | 0018-036-000 | Plastic Clip Nut                             | 4    | AK   | 3002-200-302 | Brake Ratchet Link Ass'y                       | 1    |
| M    | 0003-224-000 | Hex Washer Hd. Screw                         | 2    | AL   | 3002-200-305 | Brake Ratchet Crank, Lt.                       | 1    |
| N    | 0026-014-000 | Roll Pin                                     | 4    | AM   | 3002-200-306 | Brake Ratchet Crank, Rt.                       | 1    |
| P    | 0038-151-000 | Cable Tie                                    | 4    | AN   | 3002-200-307 | Brake Latch Spring                             | 1    |
| S    | 3000-200-305 | Brake Shaft Bushing, Rt.                     | 2    | AP   | 3002-200-308 | Brake Ratchet Crank Pin                        | 1    |
| T    | 3000-200-328 | Brake Guide Bushing                          | 4    | AU   | 3002-200-314 | Brake Mounting Bracket                         | 2    |
| U    | 3000-200-331 | Brake Shaft Bushing, Lt.                     | 2    | AW   | 3002-201-330 | <a href="#">Brake Crank Ass'y (pg.120)</a>     | 2    |
| W    | 3000-200-343 | Brake Switch Bracket                         | 1    | AX   | 3002-200-335 | <a href="#">Brake Bar Ass'y (pg.121)</a>       | 2    |
| X    | 3000-300-002 | Plastic Clip Nut                             | 10   | AZ   | 3000-300-115 | Stand-Off                                      | 1    |
| Y    | 3000-300-058 | Plunger Switch                               | 1    | GA   | 2025-000-101 | Bellows  | 2    |
| Z    | 3000-300-113 | 8" Cable Tie                                 | 6    | GB   | 0003-074-000 | Hex Hd. Bolt                                   | 2    |
| AB   | 3001-200-201 | <a href="#">Head End Lift Ass'y (pg.114)</a> | 1    | GC   | 0016-028-000 | Nylock Nut                                     | 2    |
|      |              |  |      | GD   | 3002-316-000 | Steer Cable Retaining Clip                     | 2    |

## Base Assembly, Standard Secure Bed - 3002-243-003 (Reference Only)

| Item | Part No.     | Part Name                                       | Qty. |
|------|--------------|---|------|
| C    | 0003-333-000 | Hex Hd. Cap Screw                               | 4    |
| F    | 0011-333-000 | Flat Washer                                     | 4    |
| X    | 3000-300-002 | Clip Nut  | 2    |
| AB   | 3001-200-201 | <a href="#">Head End Lift Assembly (pg.114)</a> | 1    |
| AC   | 3001-200-201 | <a href="#">Foot End Lift Assembly (pg.114)</a> | 1    |
| BA   | 0003-224-000 | Hex Washer Hd. Screw                            | 4    |
| BB   | 0023-025-000 | Hex Washer Hd. Screw                            | 13   |
| BC   | 0023-080-000 | Truss Hd. Screw                                 | 2    |
| BF   | 3002-300-010 | <a href="#">Uni-Pan Cover Assembly (pg.128)</a> | 2    |
| BG   | 3000-200-601 | Brake Pedal Label                               | 2    |
| BH   | 3000-200-602 | Stryker Logo Label                              | 2    |
| BJ   | 3001-200-008 | Bellows Bracket                                 | 2    |
| BK   | 3001-200-022 | Bottom Cover                                    | 2    |
| BL   | 3002-200-102 | Base Weldment                                   | 1    |

## Base Assembly, Zoom Secure Bed - 3002-244-003 (Reference Only)

| Item | Part No.     | Part Name                                       | Qty. |
|------|--------------|---|------|
| C    | 0003-204-000 | Hex Hd. Cap Screw                               | 4    |
| AB   | 3001-200-201 | <a href="#">Head End Lift Assembly (pg.114)</a> | 1    |
| AC   | 3001-200-251 | <a href="#">Foot End Lift Assembly (pg.114)</a> | 1    |
| BL   | 3002-200-102 | Base Weldment                                   | 1    |
| CA   | 3000-300-115 | Standoff  | 1    |
| CB   | 0013-018-000 | External Tooth Lock Washer                      | 1    |
| CE   | 2025-031-805 | Ground Strap                                    | 1    |
| CF   | 3000-200-343 | Brake Switch Bracket                            | 1    |
| CG   | 3000-300-058 | Switch Plunger                                  | 1    |
| CH   | 3001-200-306 | Brake Pedal Shaft Bearing                       | 2    |

# Base Assembly and Options

## Base Assembly, Steer Option - 3001-999-137 (Reference Only)

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| EA   | 0003-349-000 | Hex Hd. Cap Screw         | 1    |
| EB   | 0005-020-000 | Carriage Bolt             | 1    |
| EC   | 0016-036-000 | Nylock Nut                | 1    |
| ED   | 0023-092-000 | Truss Phillips Hd. Screw  | 4    |
| EE   | 0030-052-000 | Snap Bushing              | 2    |
| EF   | 0038-414-000 | Pedal Extension Spring    | 1    |
| EG   | 0038-416-000 | Lever Extension Spring    | 1    |
| EH   | 0045-008-000 | O-Ring                    | 1    |
| EJ   | 0052-305-000 | Brass Flat Washer         | 1    |
| EK   | 3000-200-336 | Steer Pedal               | 1    |
| EL   | 3000-200-337 | Push Fit Ball Plunger     | 1    |
| EM   | 3000-200-339 | Steer Lock Lever Bushing  | 1    |
| EN   | 3000-200-341 | Steer Pedal Bushing       | 1    |
| EP   | 3000-200-347 | Special Washer            | 1    |
| ER   | 3000-200-348 | Special Wide Washer       | 1    |
| ES   | 3000-200-349 | Special Narrow Washer     | 1    |
| ET   | 3001-200-306 | Brake Pedal Shaft Bearing | 2    |
| EU   | 3001-200-342 | Steer Cable Assembly      | 1    |
| EW   | 3001-200-370 | Steer Lock Lever          | 1    |
| EX   | 3001-200-371 | Steer Pedal Arm           | 1    |
| EY   | 5000-090-013 | Steer Label               | 1    |

## Base Assembly, 6" Caster Option - 3001-999-138 (Reference Only)

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| FA   | 3001-200-052 | 6" Ground Chain          | 2    |
| FB   | 3001-200-050 | 6" Steer Caster Assembly | 1    |
| FC   | 3001-200-060 | 6" Caster Assembly       | 3    |

## Base Assembly, 8" Caster Option - 3001-999-139 (Reference Only)

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| FA   | 3001-200-054 | 8" Ground Chain          | 2    |
| FB   | 3001-200-080 | 8" Steer Caster Assembly | 1    |
| FC   | 3001-200-090 | 8" Caster Assembly       | 3    |
| FD   | 2025-001-047 | Caster Cover, Right      | 4    |
| FE   | 2025-001-048 | Caster Cover, Left       | 4    |

## Zoom Base Assembly, 6" Caster Option - 3002-999-138 (Reference Only)

| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| FA   | 3001-200-052 | 6" Ground Chain    | 2    |
| FC   | 3001-200-060 | 6" Caster Assembly | 4    |

## Zoom Base Assembly, 8" Caster Option - 3002-999-139 (Reference Only)

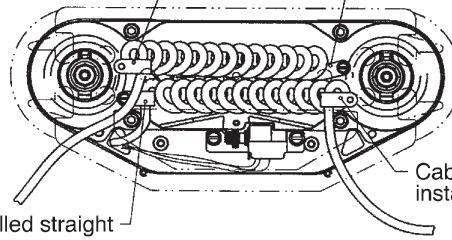
| Item | Part No.     | Part Name           | Qty. |
|------|--------------|---------------------|------|
| FA   | 3001-200-054 | 8" Ground Chain     | 2    |
| FC   | 3001-200-090 | 8" Caster Assembly  | 4    |
| FD   | 2025-001-047 | Caster Cover, Right | 4    |
| FE   | 2025-001-048 | Caster Cover, Left  | 4    |

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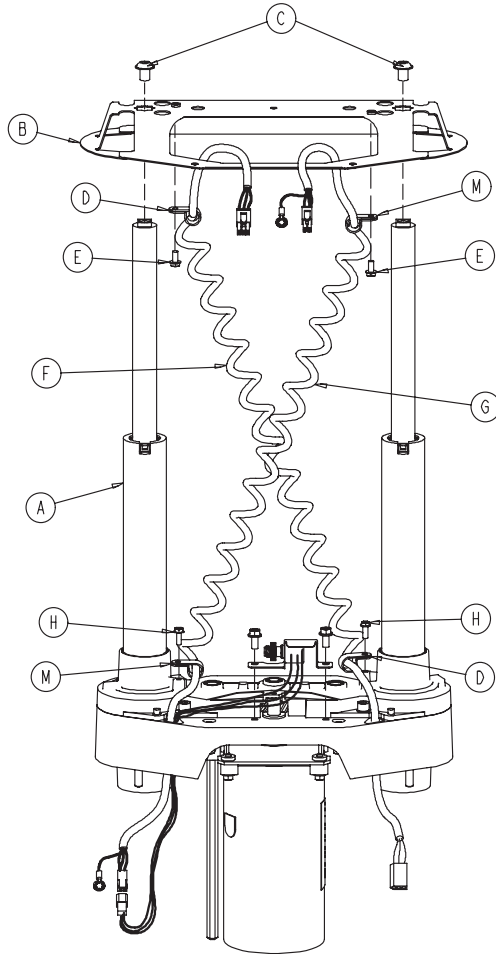
# Lift Assembly (Head and Foot End)

Cable Clamp on Bellows Bracket to be installed straight.

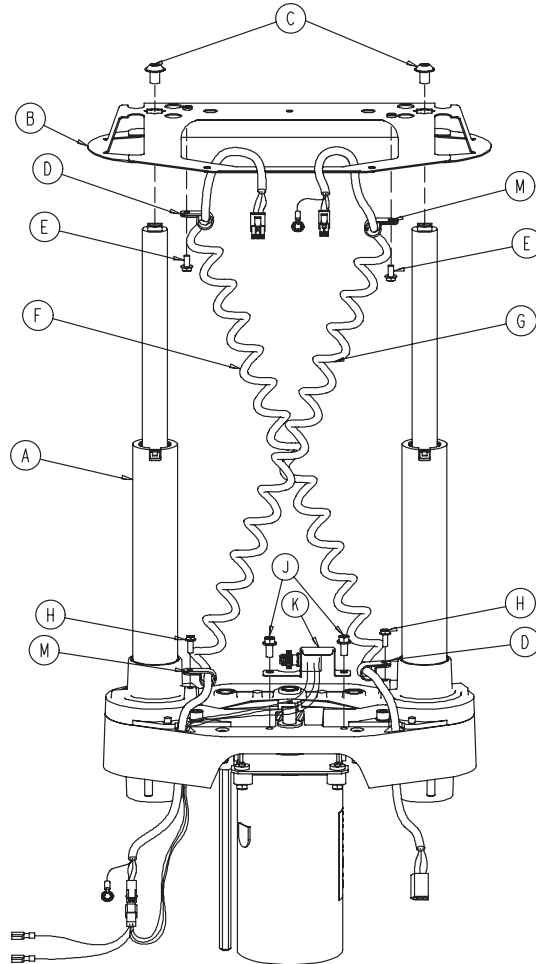
Cable Clamp on Lift Housing to be installed at angle



Cable Clamp on Lift Housing to be installed straight



**FOOT END: 3001-200-251**



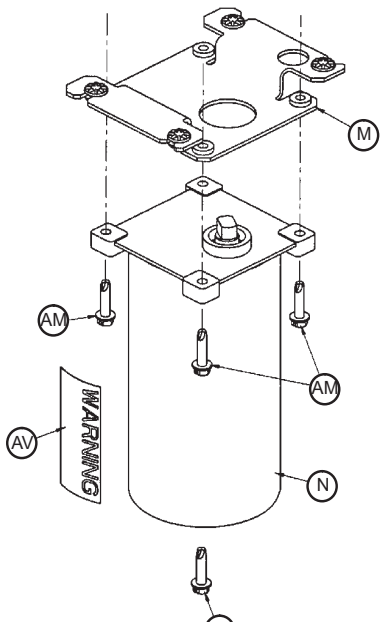
**HEAD END: 3001-200-201**

| Item | Part No.     | Part Name                     | Qty. |
|------|--------------|-------------------------------|------|
| A    | 3000-200-275 | Common Lift Assembly          | 1    |
| B    | 3000-200-052 | Bellows Bracket               | 1    |
| C    | 0004-338-000 | Button Head Cap Screw         | 2    |
| D    | 0034-022-000 | Cord Clamp                    | 2    |
| E    | 0003-106-000 | Hex Washer Hd. Screw          | 2    |
| F    | 3001-200-864 | Power Coil Cord               | 1    |
| G    | 3001-200-815 | Sensor Coil Cord              | 1    |
| H    | 0003-128-000 | Hex Washer Hd. Screw          | 2    |
| J    | 0003-121-000 | Hex Washer Hd. Screw          | 2    |
| K    | 3001-200-240 | Head End Potentiometer. Ass'y | 1    |
|      | 3001-200-230 | Foot End Potentiometer. Ass'y | 1    |
| M    | 0034-381-000 | Cord Clamp                    | 2    |

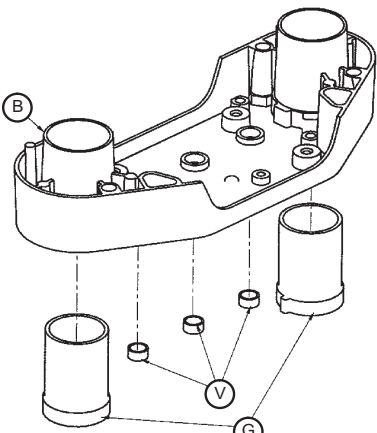
[www.stryker.com](http://www.stryker.com)



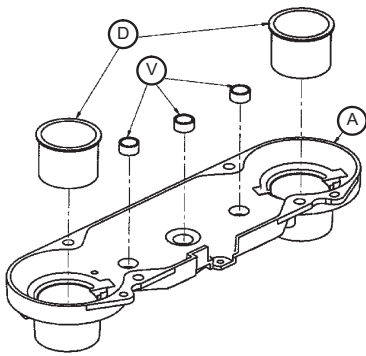
# Lift Assembly (Common) - 3000-200-275



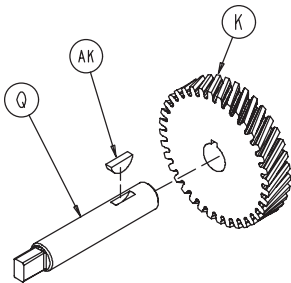
Lift Motor Ass'y



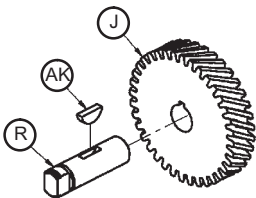
Lower Lift Housing Ass'y



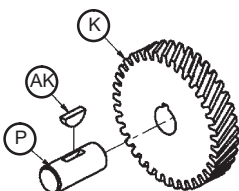
Upper Lift Housing Ass'y



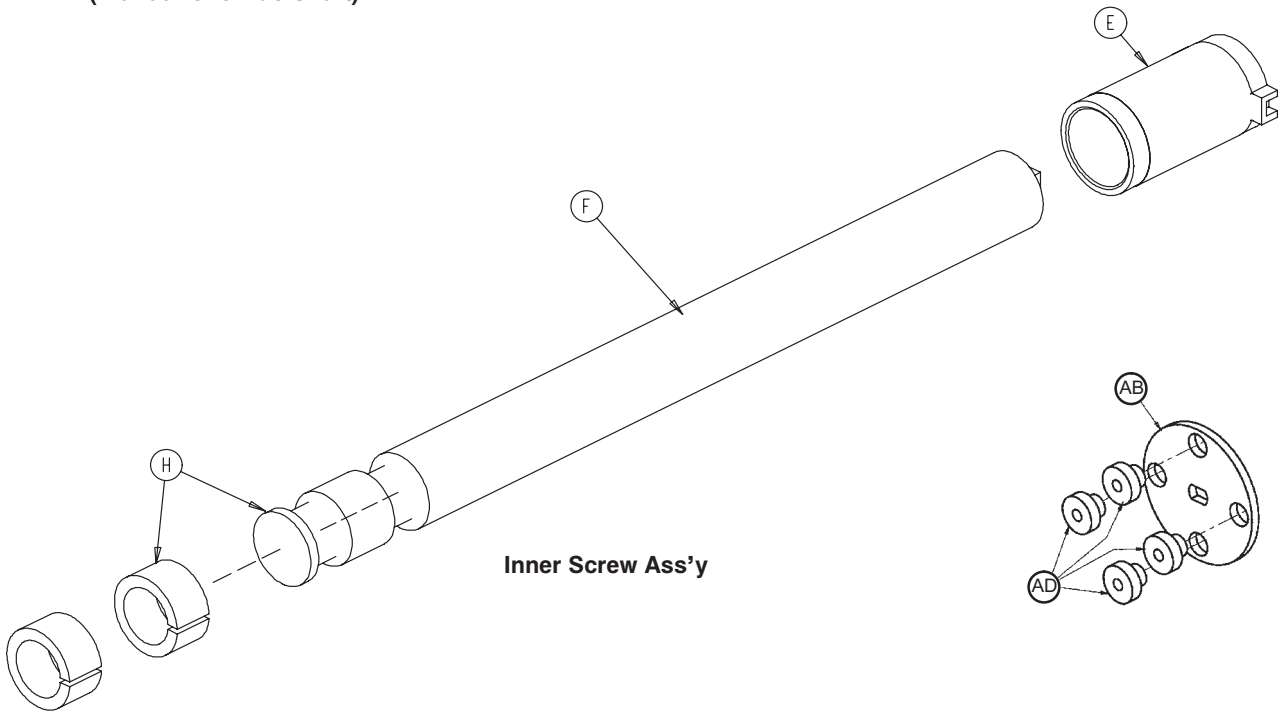
Idler Gear Ass'y  
(Manual Override Shaft)



Motor Pinion  
Gear Ass'y



Idler Gear Ass'y



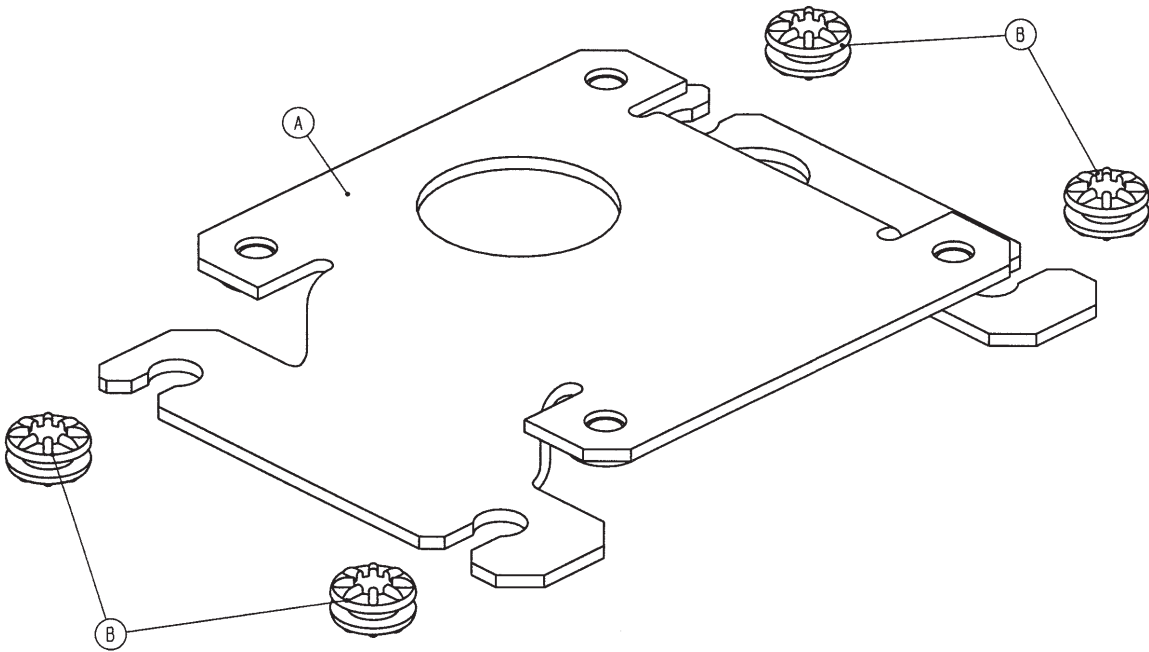
Inner Screw Ass'y

## Lift Assembly (Common) - 3000-200-275

| Item | Part No.     | Part Name  | Qty. |
|------|--------------|--|------|
| A    | 3000-200-201 | Upper Lift Housing                                   | 1    |
| B    | 3000-200-202 | Lower Lift Housing                                   | 1    |
| C    | 3000-200-251 | Outer Screw  | 2    |
| D    | 3000-200-204 | Upper Housing Sleeve                                 | 2    |
| E    | 3000-200-205 | Upper Stage Nut                                      | 2    |
| F    | 3000-200-249 | Inner Screw  | 2    |
| G    | 3000-200-207 | Lower Stage Nut                                      | 2    |
| H    | 3000-200-208 | Glide Bushing  | 4    |
| J    | 3000-200-209 | Motor Pinion Gear                                    | 1    |
| K    | 3000-200-210 | Idler Gear   | 2    |
| L    | 3000-200-252 | Output Gear  | 2    |
| M    | 3000-200-723 | <a href="#">Motor Isolation Plate Ass'y (pg.118)</a> | 1    |
| N    | 3000-200-213 | Lift Motor   | 1    |
|      | 3221-200-213 | 230V Lift Motor                                      | 1    |
| P    | 3000-200-218 | Idler Shaft, Lift                                    | 1    |
| Q    | 3002-200-235 | Idler Man. Over. Shaft                               | 1    |
| R    | 3000-200-220 | Input Pinion Shaft                                   | 1    |
| S    | 3000-200-223 | Output Gear Thr. Washer                              | 4    |
| T    | 3000-200-224 | Input Gear Thr. Washer                               | 2    |
| U    | 0081-212-000 | Thrust Needle Roller Brg.                            | 1    |
| V    | 3000-200-226 | Pinion Shaft Bushing                                 | 6    |
| W    | 3001-200-228 | Mounting Standoff                                    | 4    |
| Z    | 3001-300-019 | Isolation Sleeve                                     | 4    |
| AA   | 3000-200-233 | Lift Motor Coupler                                   | 1    |
| AB   | 3000-200-234 | Coupler Receiver                                     | 1    |
| AC   | 3000-200-241 | Crush Washer   | 2    |
| AD   | 3000-300-455 | Isolation Bushing                                    | 4    |
| AE   | 3000-200-245 | Gear Washer  | 5    |
| AF   | 3000-200-246 | Nylon Washer   | 1    |
| AG   | 0011-408-000 | Flat Washer  | 4    |
| AH   | 0003-082-000 | Hex Hd. Cap Screw                                    | 4    |
| AJ   | 0004-213-000 | Soc. Hd. Cap Screw                                   | 4    |
| AK   | 0058-044-000 | Woodruff Key   | 3    |
| AM   | 0003-331-000 | Hex Washer Hd. Screw                                 | 4    |
| AP   | 0028-121-000 | Retaining Ring                                       | 2    |
| AQ   | 0028-097-000 | Retaining Ring                                       | 1    |
| AS   | 0011-308-000 | Serrated Belleville Washer                           | 4    |
| AV   | 3000-300-604 | Warning Label  | 1    |
| AX   | 3000-200-239 | Potentiometer Drive Gear Shaft                       | 1    |
| AY   | 3000-200-216 | Potentiometer Drive Gear                             | 1    |

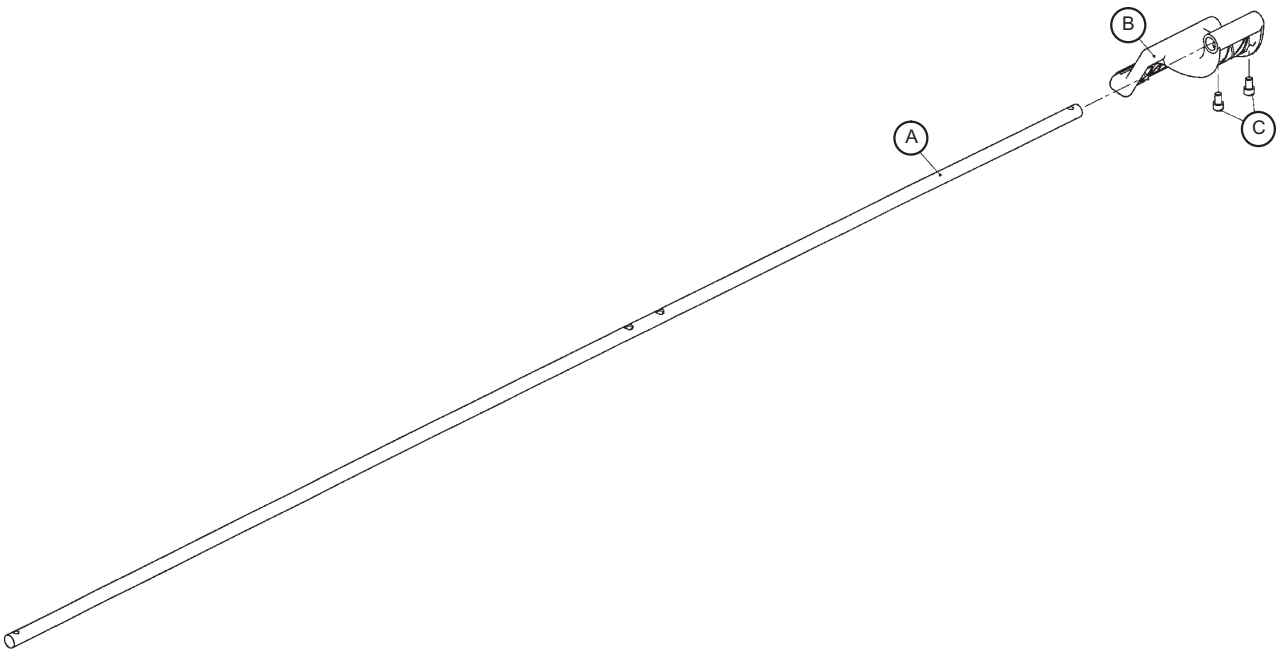
# Motor Isolation Plate Assembly - 3000-200-723

For Reference Only: 3001-200-214

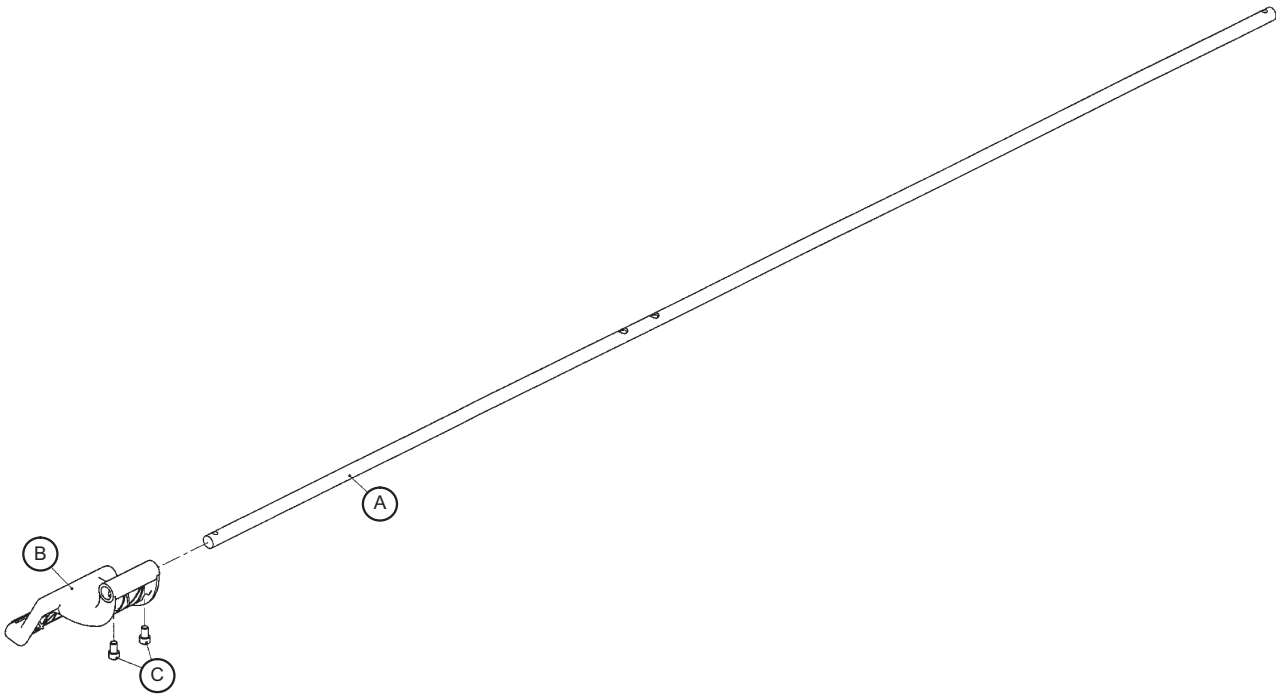


| Item | Part No.     | Part Name       | Qty. |
|------|--------------|-----------------|------|
| A    | 3001-200-213 | Isolation Plate | 1    |
| B    | 3000-300-442 | Grommet         | 4    |

# Brake Shaft Assembly, Left - 3001-200-340



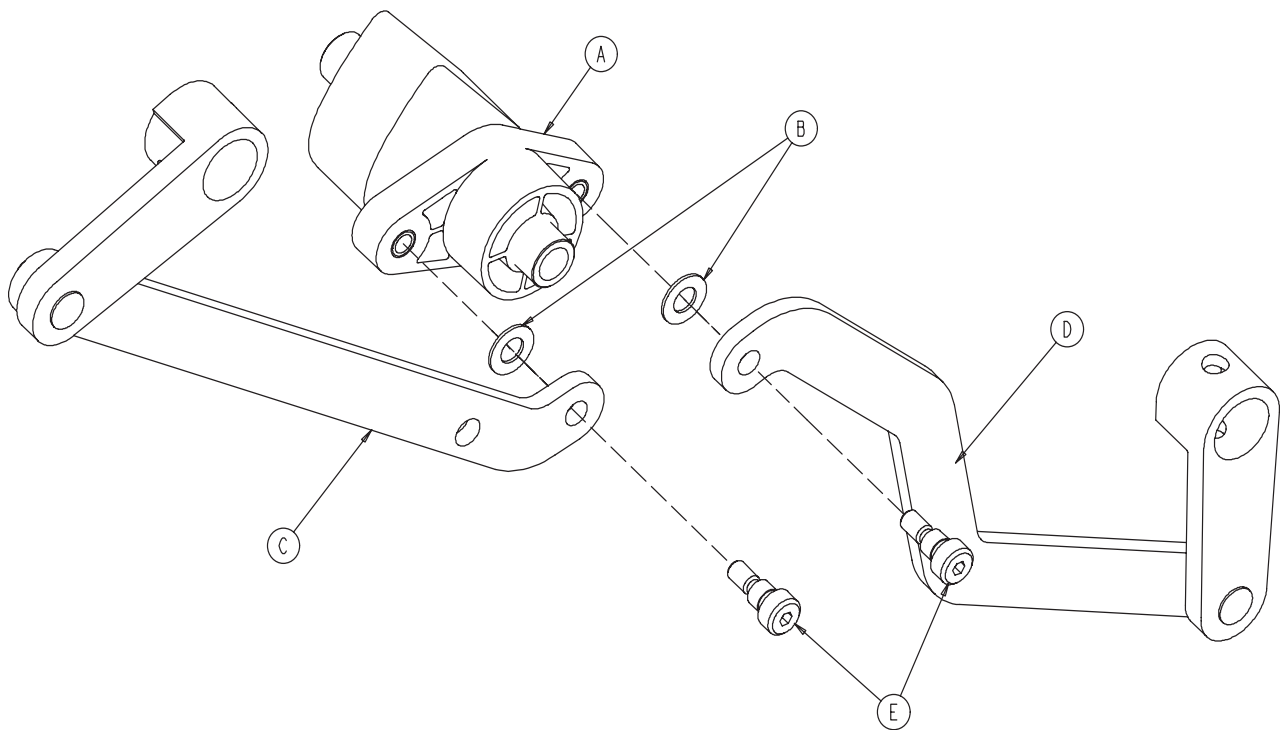
# Brake Shaft Assembly, Right - 3001-200-345



| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| A    | 3000-200-314 | Brake Shaft        | 1    |
| B    | 3001-200-325 | Brake Pedal        | 1    |
| C    | 0004-270-000 | Soc. Hd. Cap Screw | 2    |

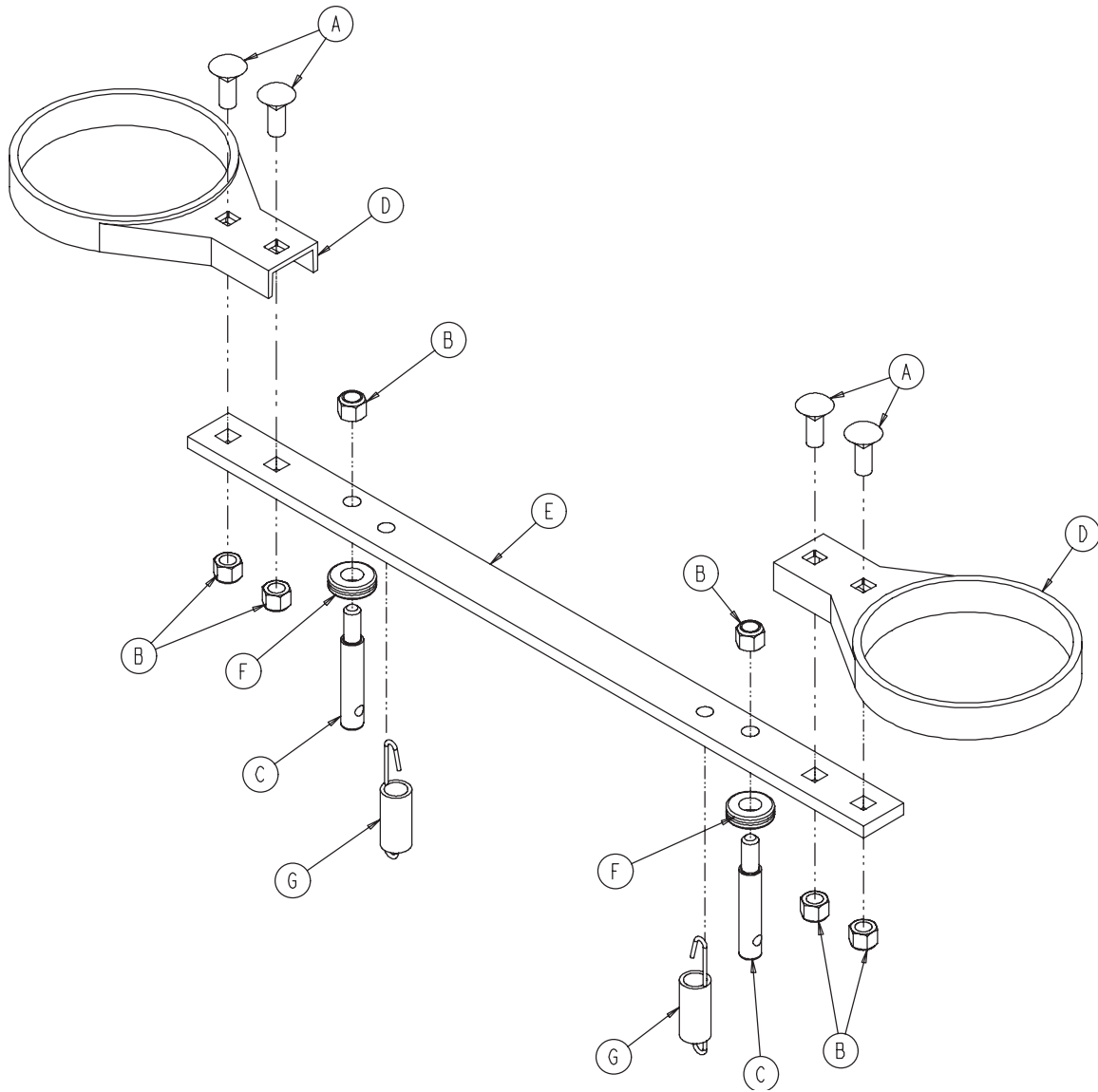
## Brake Crank Assembly - 3002-201-330

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| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 3002-201-309 | Brake Cam Shaft Crank     | 1    |
| B    | 0014-004-000 | Washer                    | 2    |
| C    | 3002-200-331 | Brake Link                | 1    |
| D    | 3002-200-332 | Dog Leg Brake Link        | 1    |
| E    | 0002-108-000 | Socket Hd. Shoulder Screw | 2    |

# Brake Bar Assembly - 3002-200-335

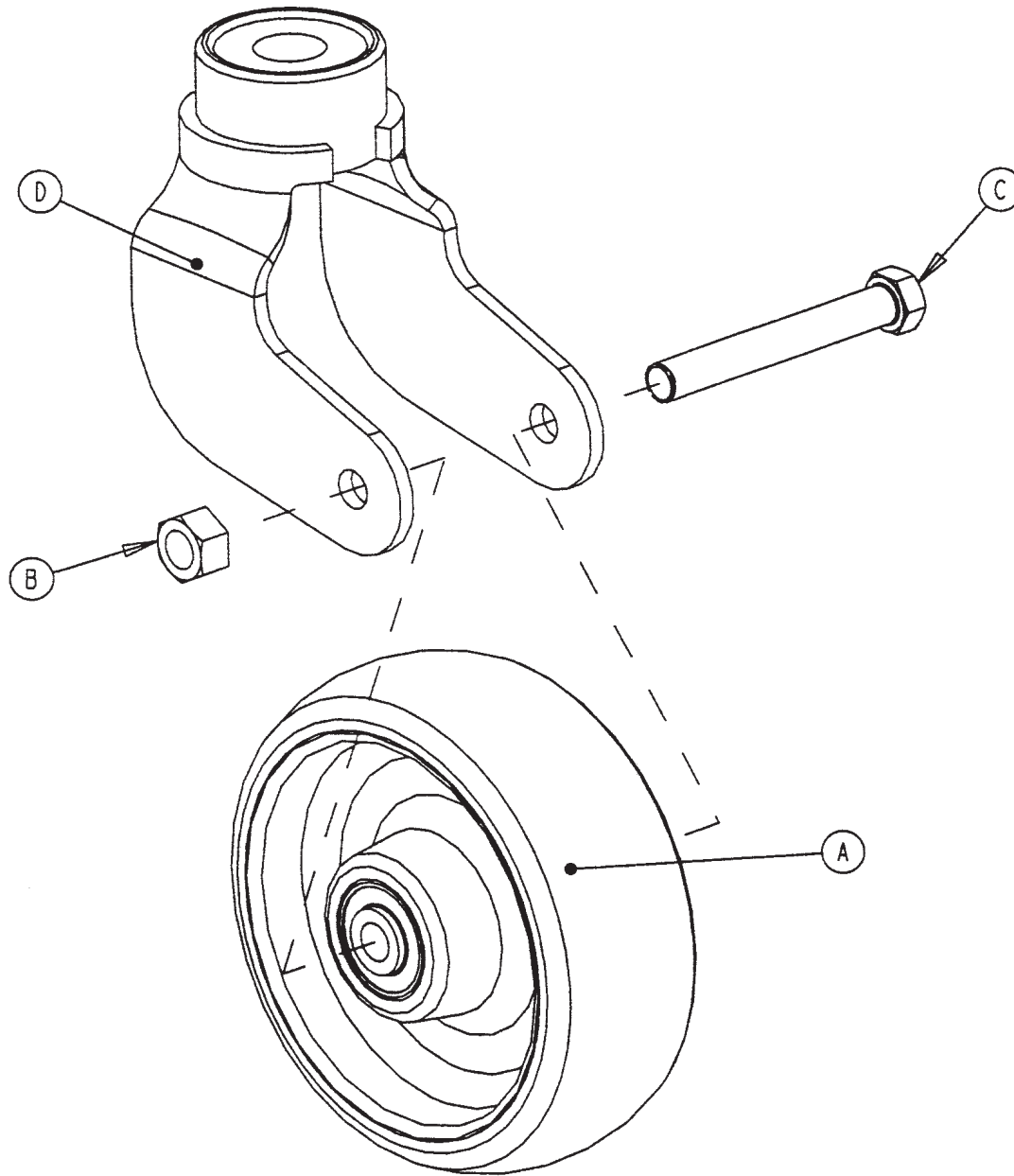


| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 0005-018-000 | Carriage Bolt           | 2    |
| B    | 0016-035-000 | Nylock Hex Nut          | 4    |
| C    | 3000-200-318 | Guide Pin               | 2    |
| D    | 3000-200-321 | Brake Ring              | 2    |
| E    | 3003-200-323 | Brake Bar               | 1    |
| F    | 3000-200-324 | Brake Bar Bumper        | 2    |
| G    | 3002-200-310 | Brake Bar Return Spring | 2    |

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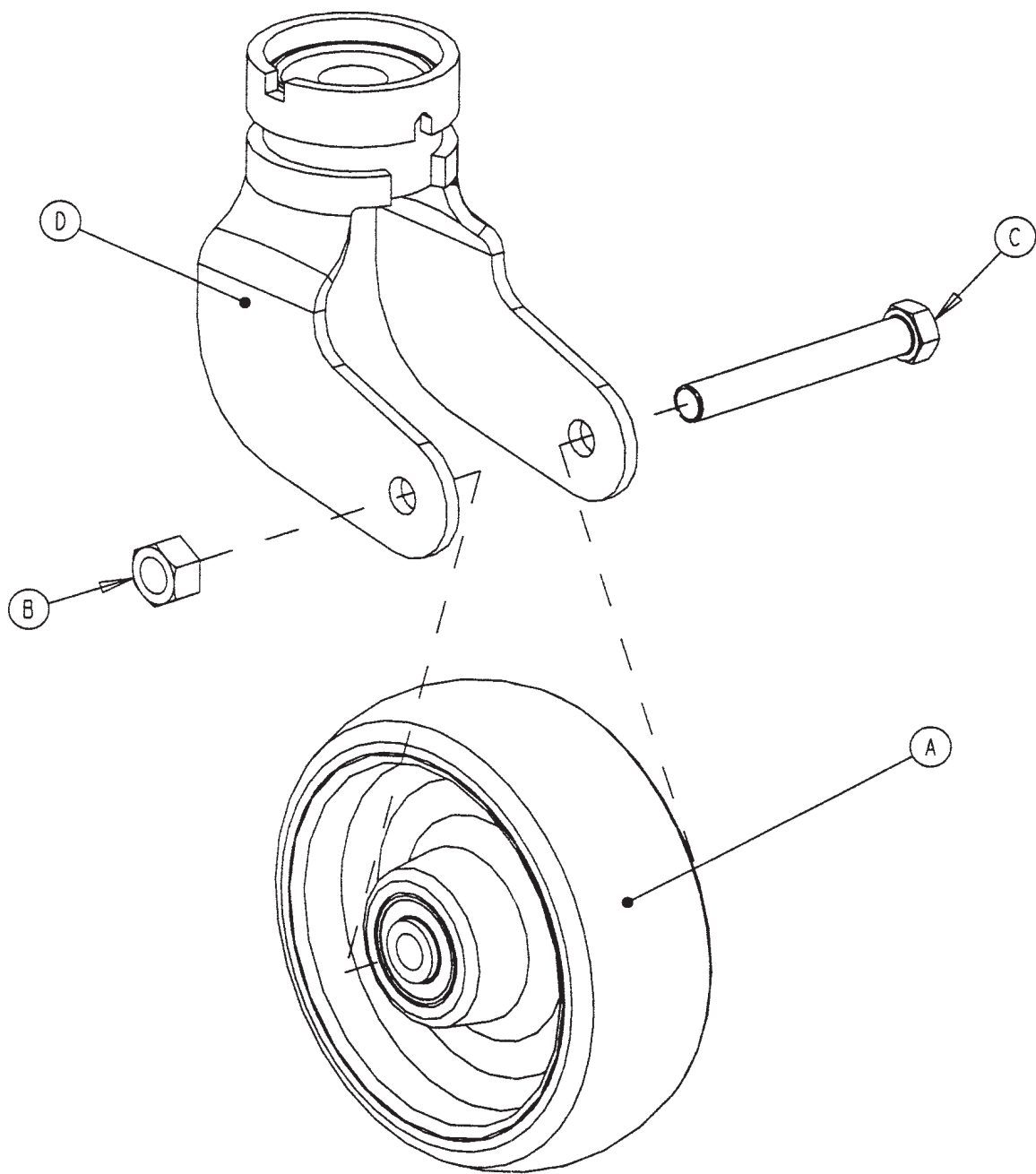
## 6" Caster Assembly - 3001-200-060

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| Item | Part No.     | Part Name                               | Qty. |
|------|--------------|---|------|
| A    | 5000-002-010 | <a href="#">Wheel Assembly (pg.124)</a> | 1    |
| B    | 0016-060-000 | Lock Nut                                | 1    |
| C    | 0003-342-000 | Hex Hd. Cap Screw                       | 1    |
| D    | 3001-200-061 | Caster Horn w/Bearing                   | 1    |

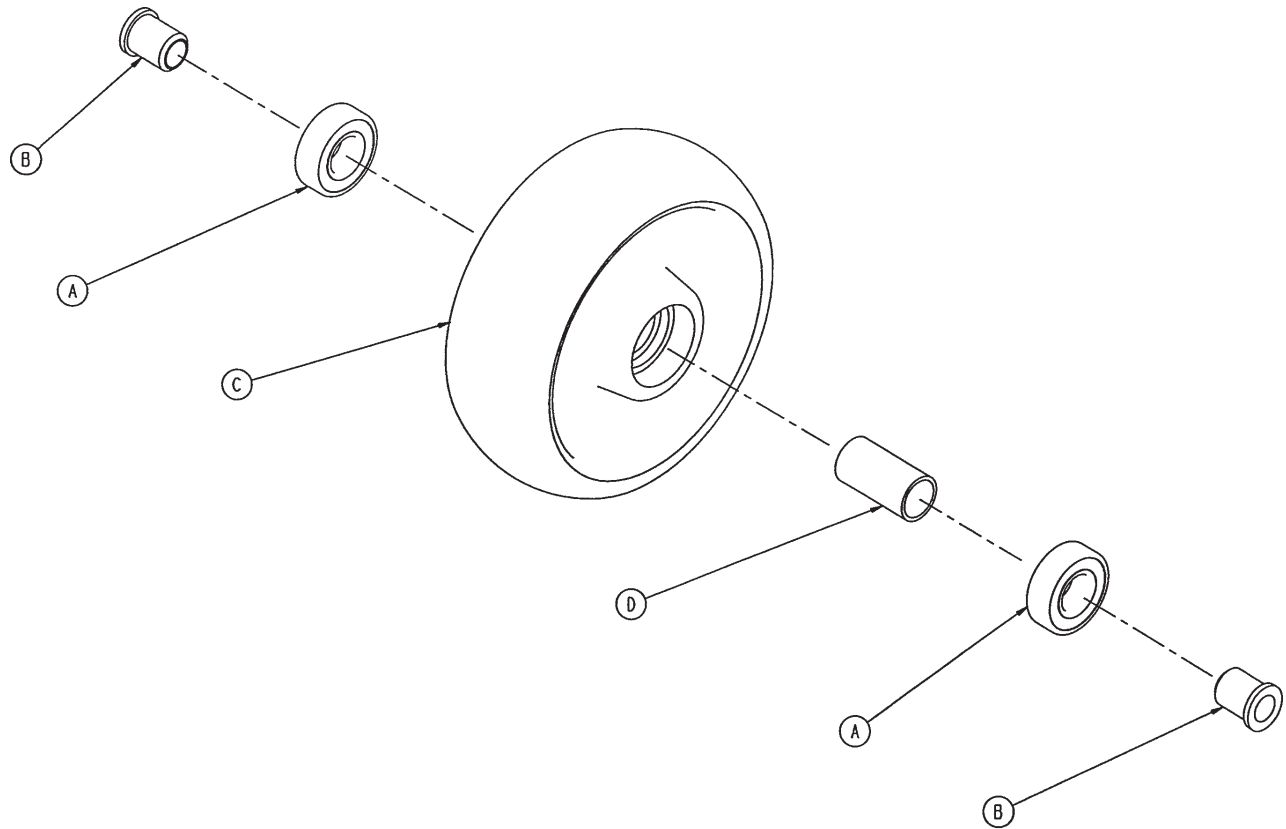
6” Steer Caster Assembly - 3001-200-050



| Item | Part No.     | Part Name                               | Qty. |
|------|--------------|---|------|
| A    | 5000-002-010 | <a href="#">Wheel Assembly (pg.124)</a> | 1    |
| B    | 0016-060-000 | Lock Nut                                | 1    |
| C    | 0003-342-000 | Hex Hd. Cap Screw                       | 1    |
| D    | 3001-200-051 | Steer Caster Horn w/Bearing             | 1    |

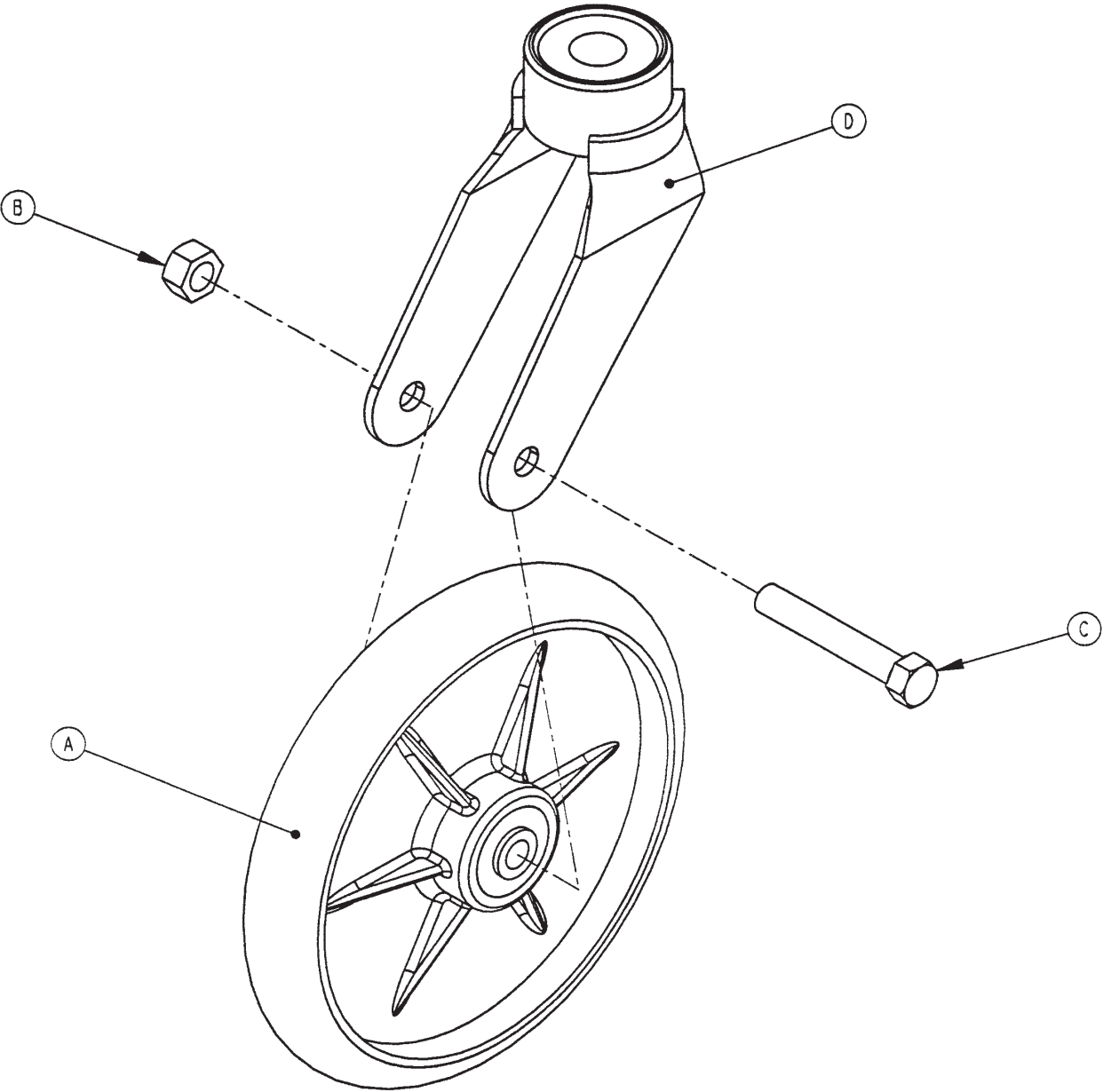
## 6" Molded Wheel Assembly - 5000-002-010

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| Item | Part No.     | Part Name      | Qty. |
|------|--------------|----------------|------|
| A    | 0081-226-000 | Bearing        | 2    |
| B    | 0715-001-255 | Wheel Bushing  | 2    |
| C    | 5000-002-020 | Molded Wheel   | 1    |
| D    | 6060-002-046 | Bearing Spacer | 1    |

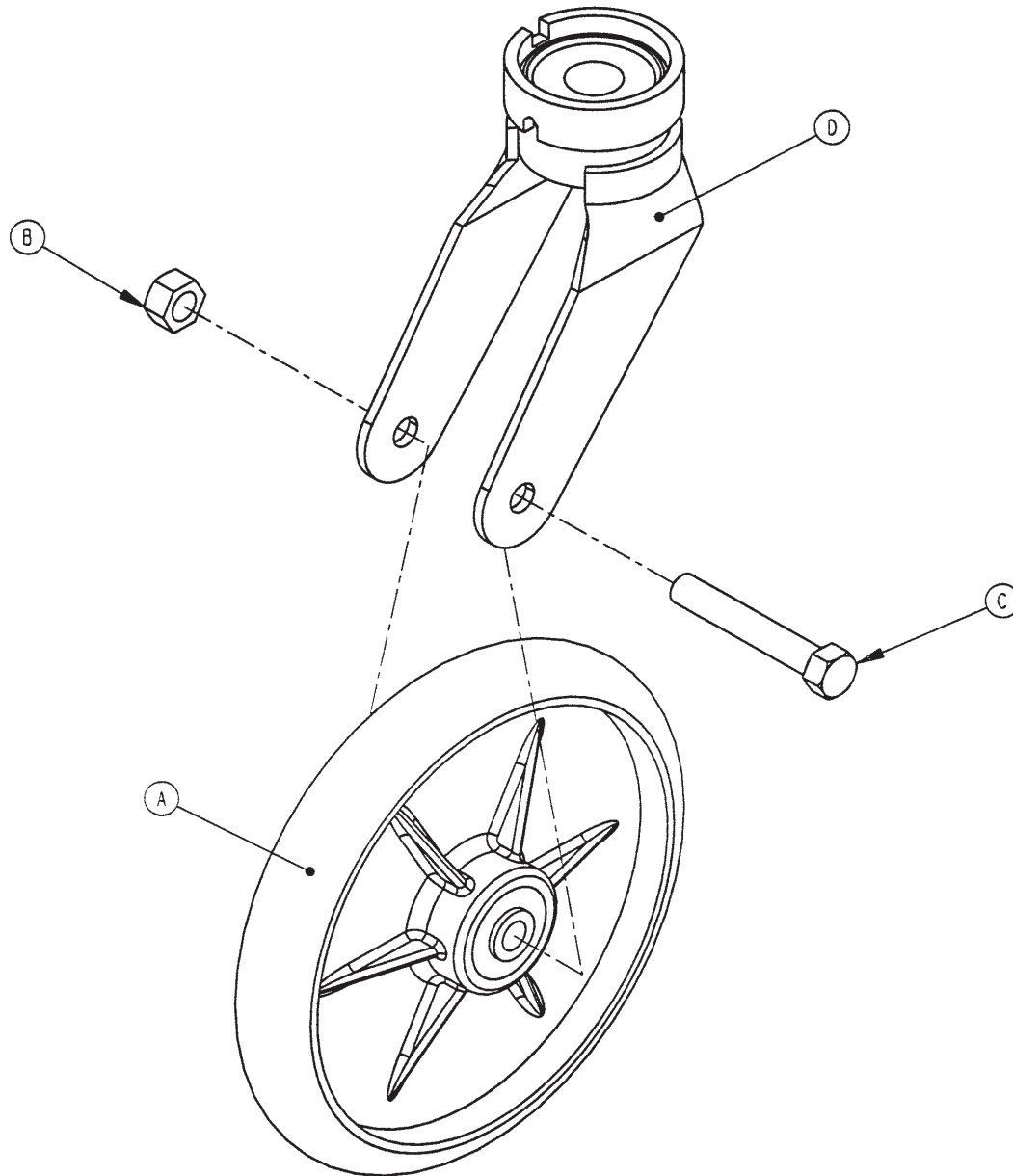
# Optional 8" Caster Assembly - 3001-200-090



| Item | Part No.     | Part Name                               | Qty. |
|------|--------------|---|------|
| A    | 0715-002-025 | <a href="#">Wheel Assembly (pg.127)</a> | 1    |
| B    | 0016-060-000 | Hex Nut                                 | 1    |
| C    | 0003-099-000 | Hex Hd. Cap Screw                       | 1    |
| D    | 3001-200-076 | Caster Horn                             | 1    |

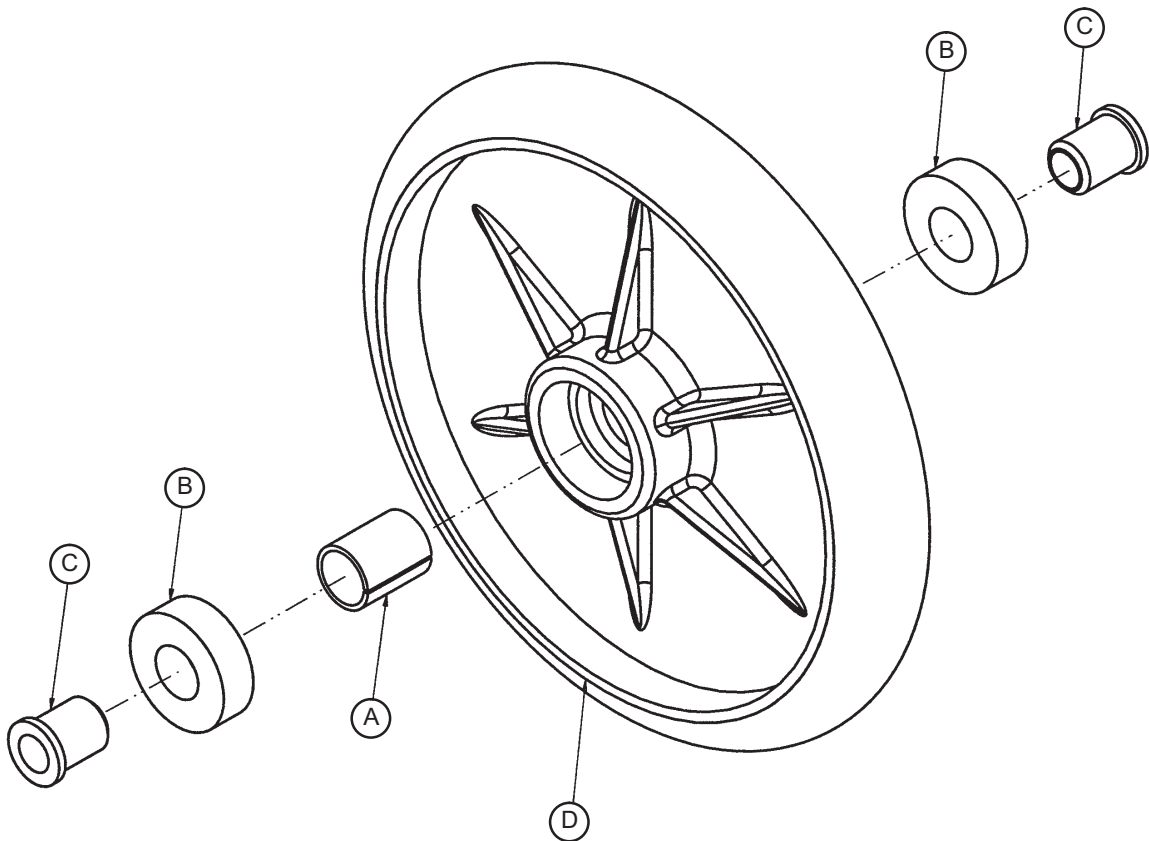
## Optional 8" Steer Caster Assembly - 3001-200-080

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| Item | Part No.     | Part Name                               | Qty. |
|------|--------------|---|------|
| A    | 0715-002-025 | <a href="#">Wheel Assembly (pg.127)</a> | 1    |
| B    | 0016-060-000 | Hex Nut                                 | 1    |
| C    | 0003-099-000 | Hex Hd. Cap Screw                       | 1    |
| D    | 3001-200-081 | Caster Horn                             | 1    |

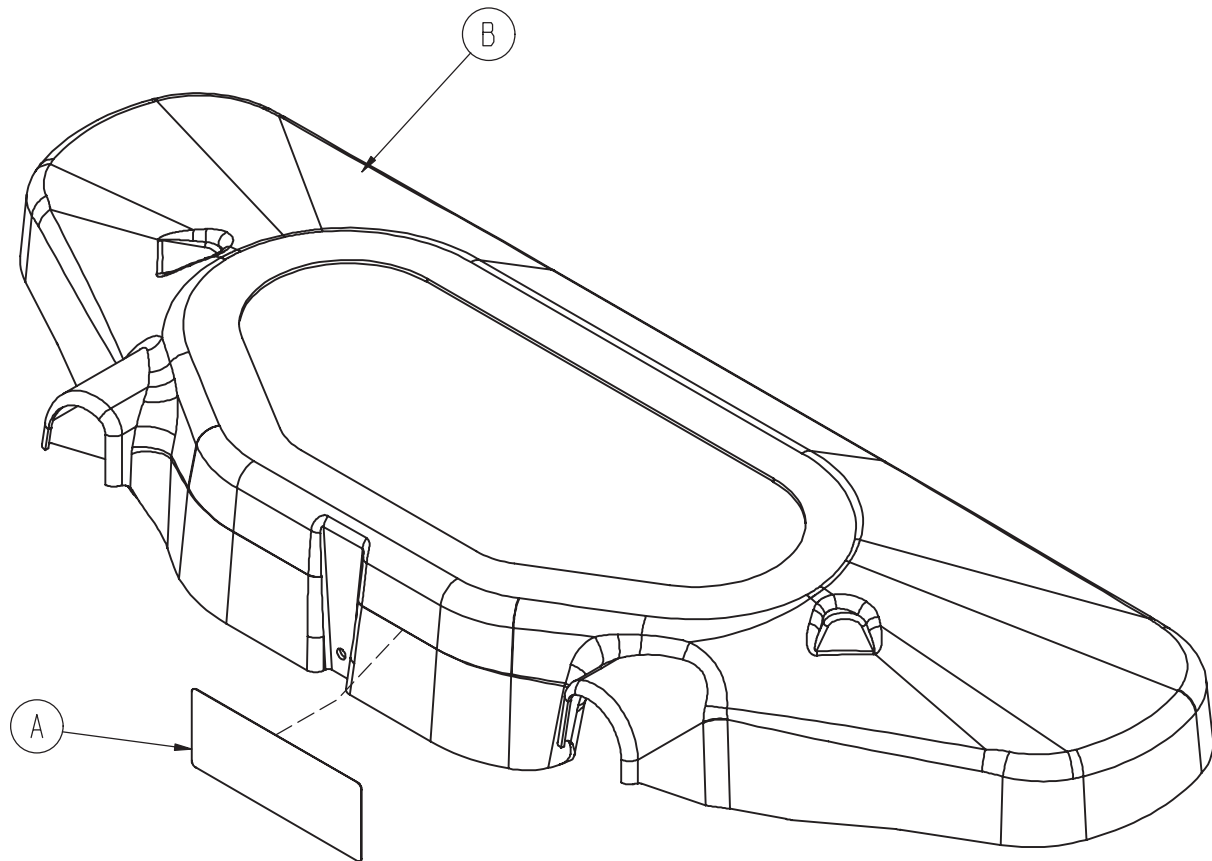
# Optional 8" Wheel Assembly - 0715-002-025



| Item | Part No.     | Part Name      | Qty. |
|------|--------------|----------------|------|
| A    | 0052-503-000 | Bearing Spacer | 1    |
| B    | 0081-226-000 | Bearing        | 2    |
| C    | 0715-001-255 | Wheel Bearing  | 2    |
| D    | 0715-002-124 | Wheel          | 1    |

## Base Uni-Pan Cover Assembly - 3002-300-010

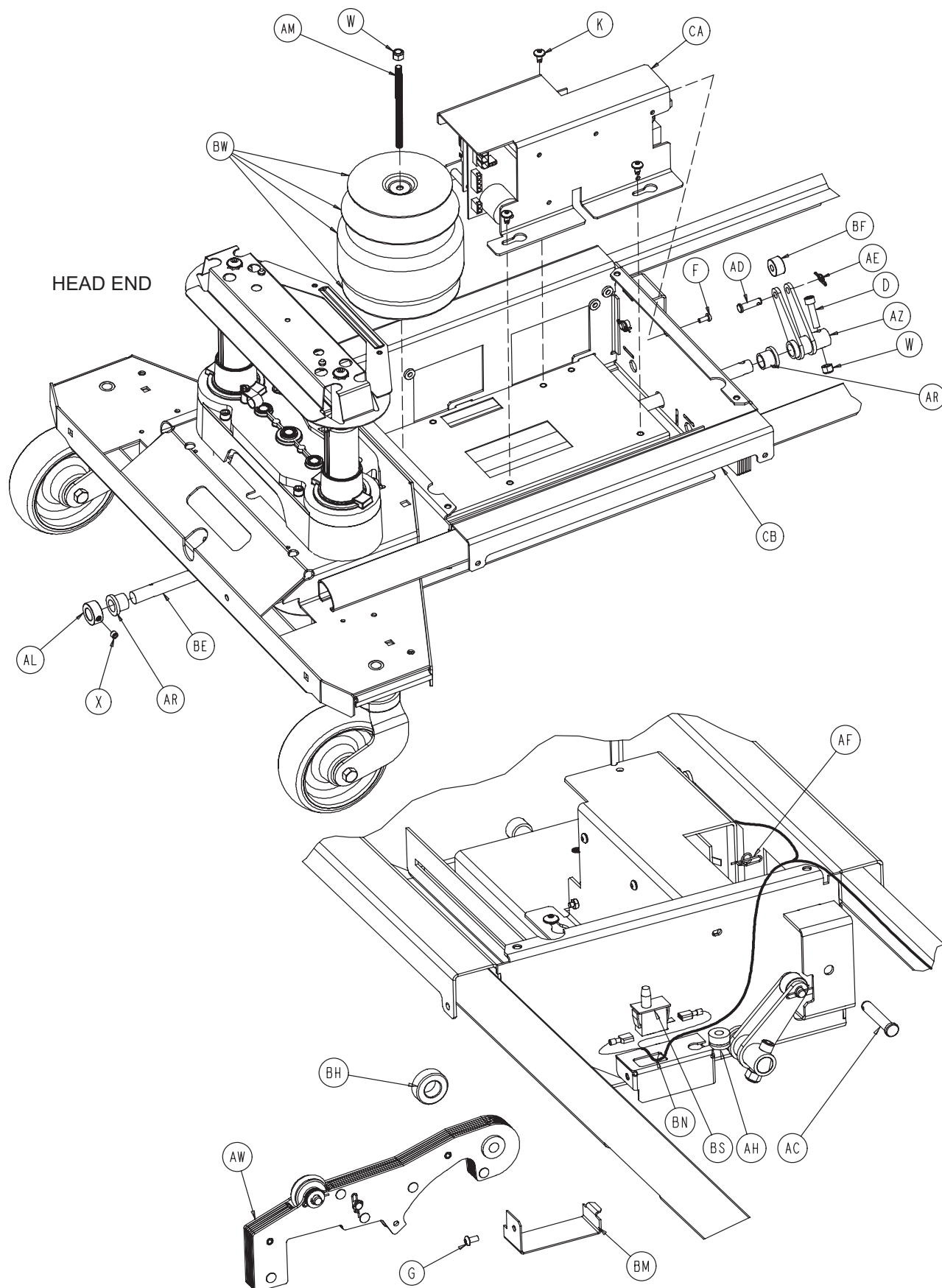
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| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0988-002-708 | Service Caution Label | 1    |
| B    | 3002-300-009 | Uni-Pan Cover         | 1    |

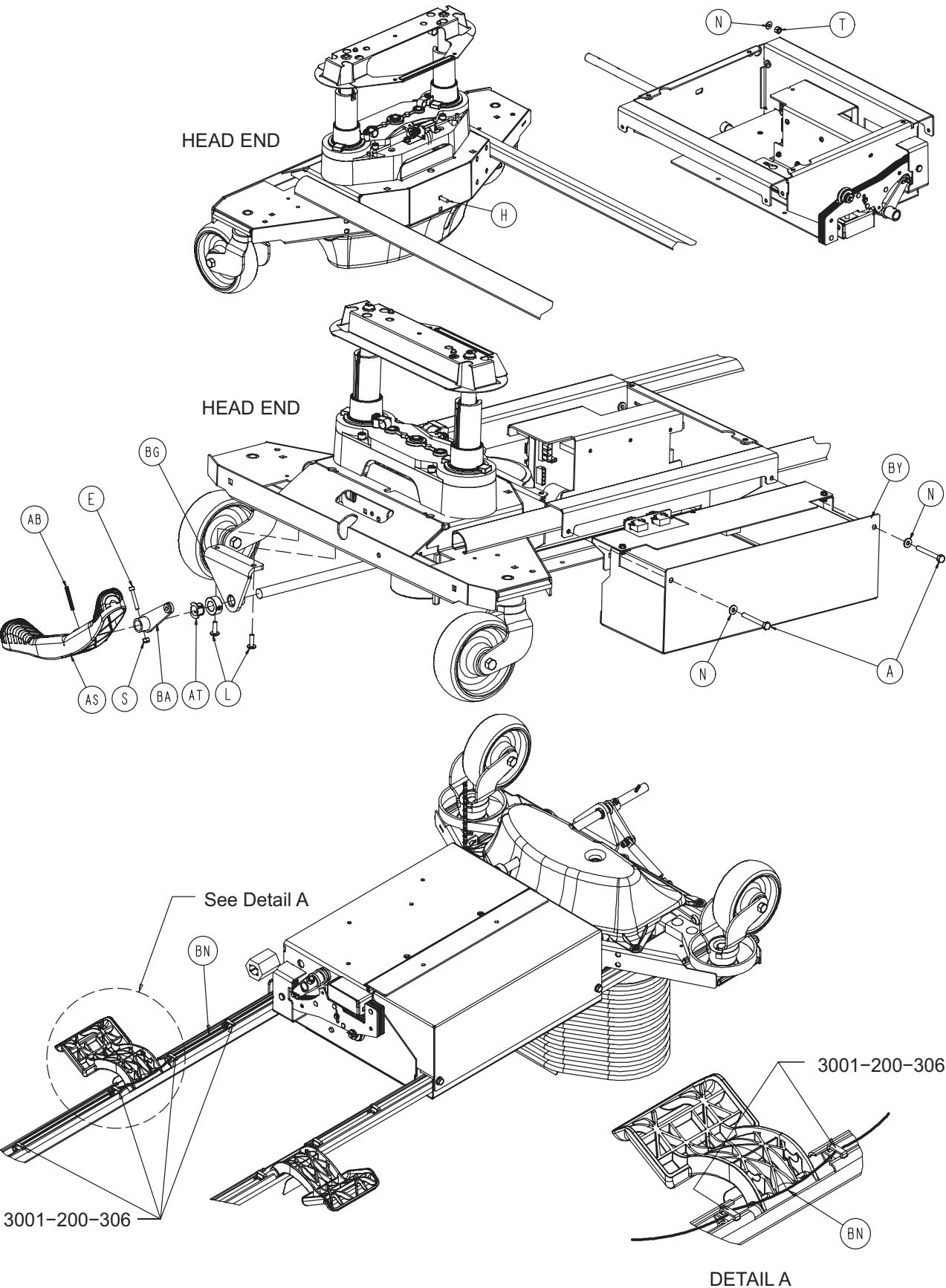
# Base Assembly with Zoom® Option

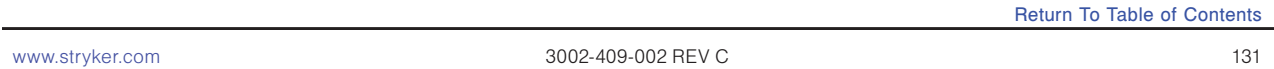
For Reference Only: 3002-001-001



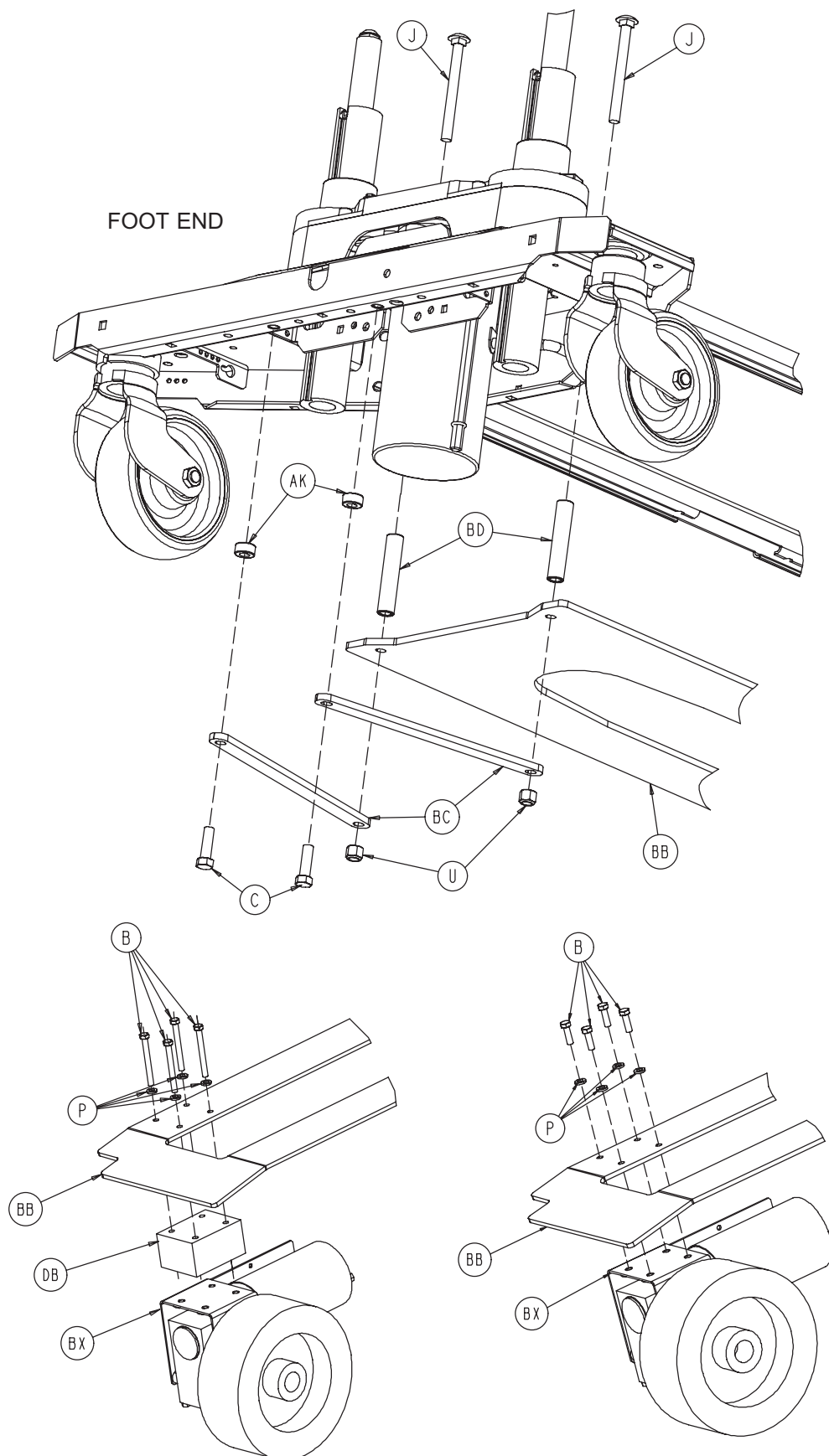
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# Base Assembly with Zoom® Option

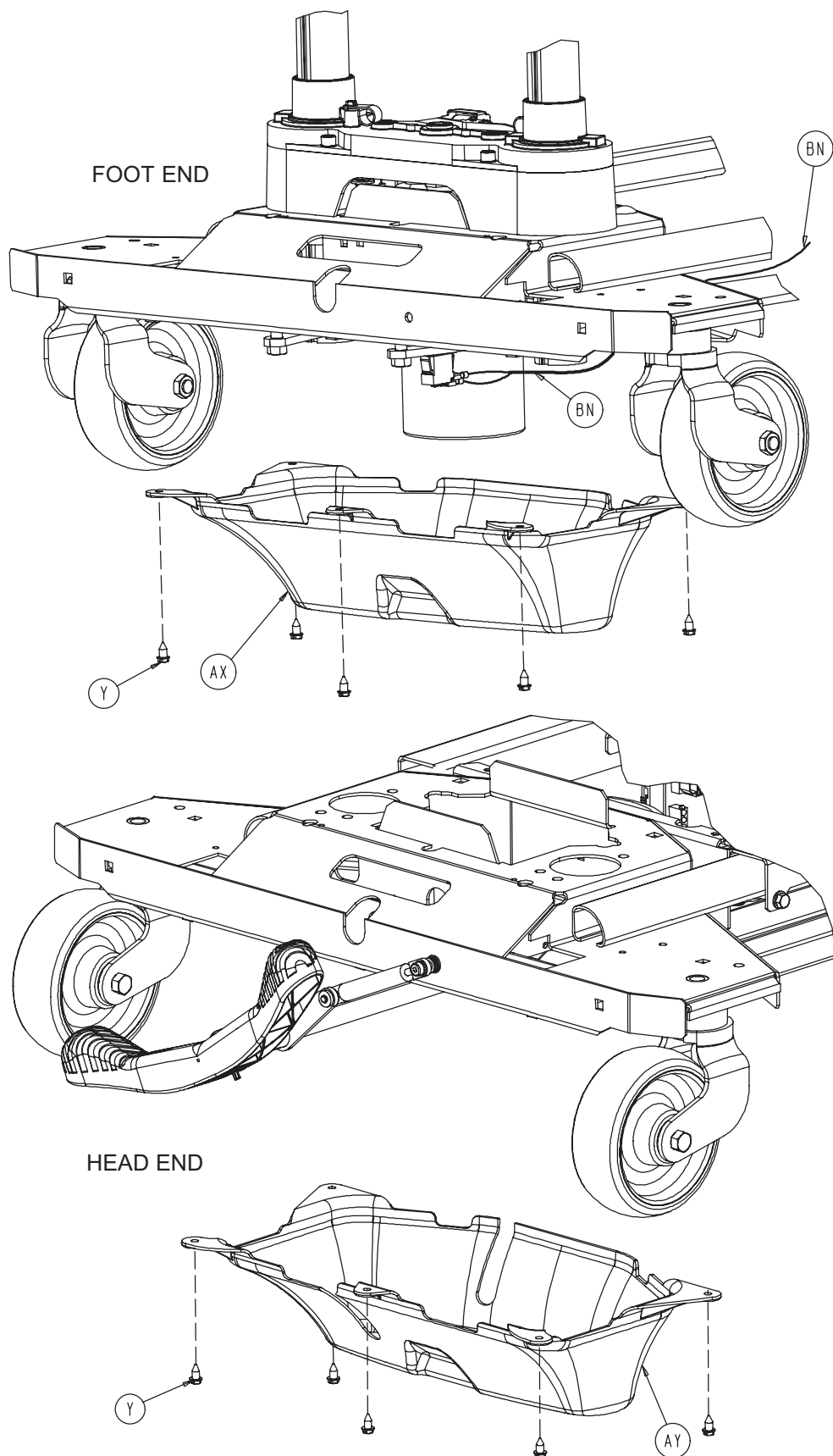




## Base Assembly with Zoom® Option

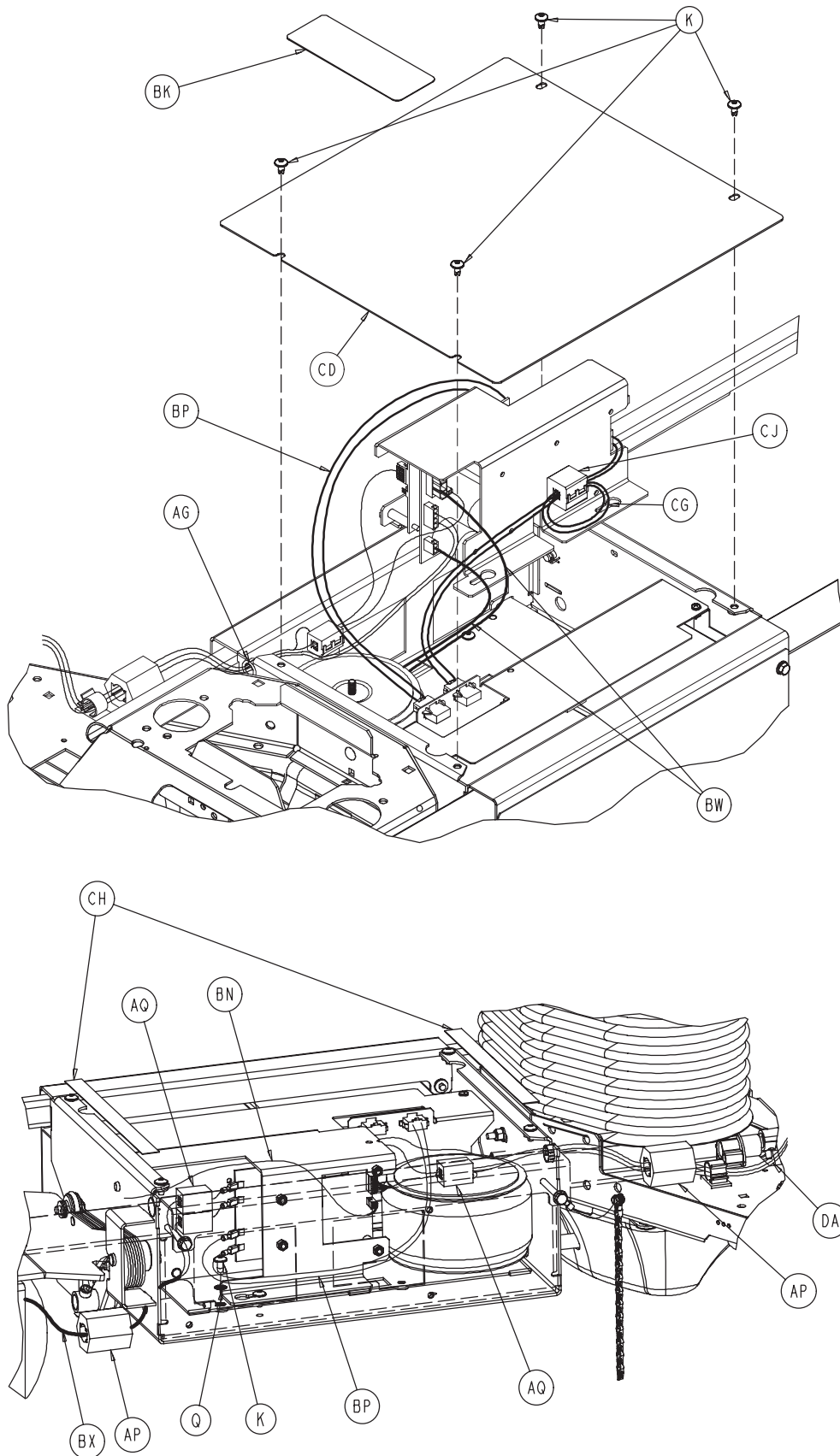


## Base Assembly with Zoom® Option

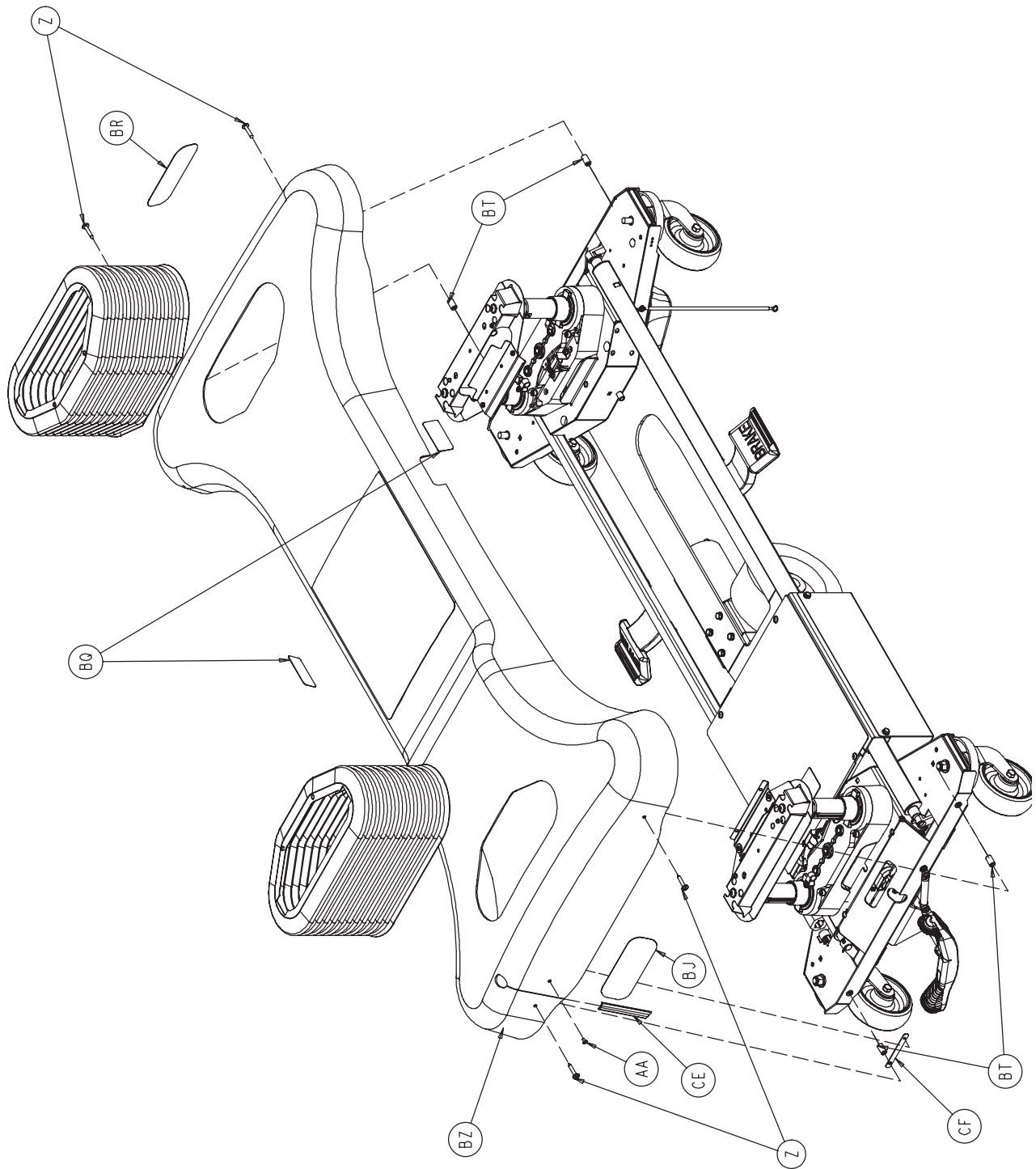


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## Base Assembly with Zoom® Option



## Base Assembly with Zoom® Option



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# Base Assembly with Zoom® Option

## Zoom Option Common Components - 3002-001-001 (Reference Only)

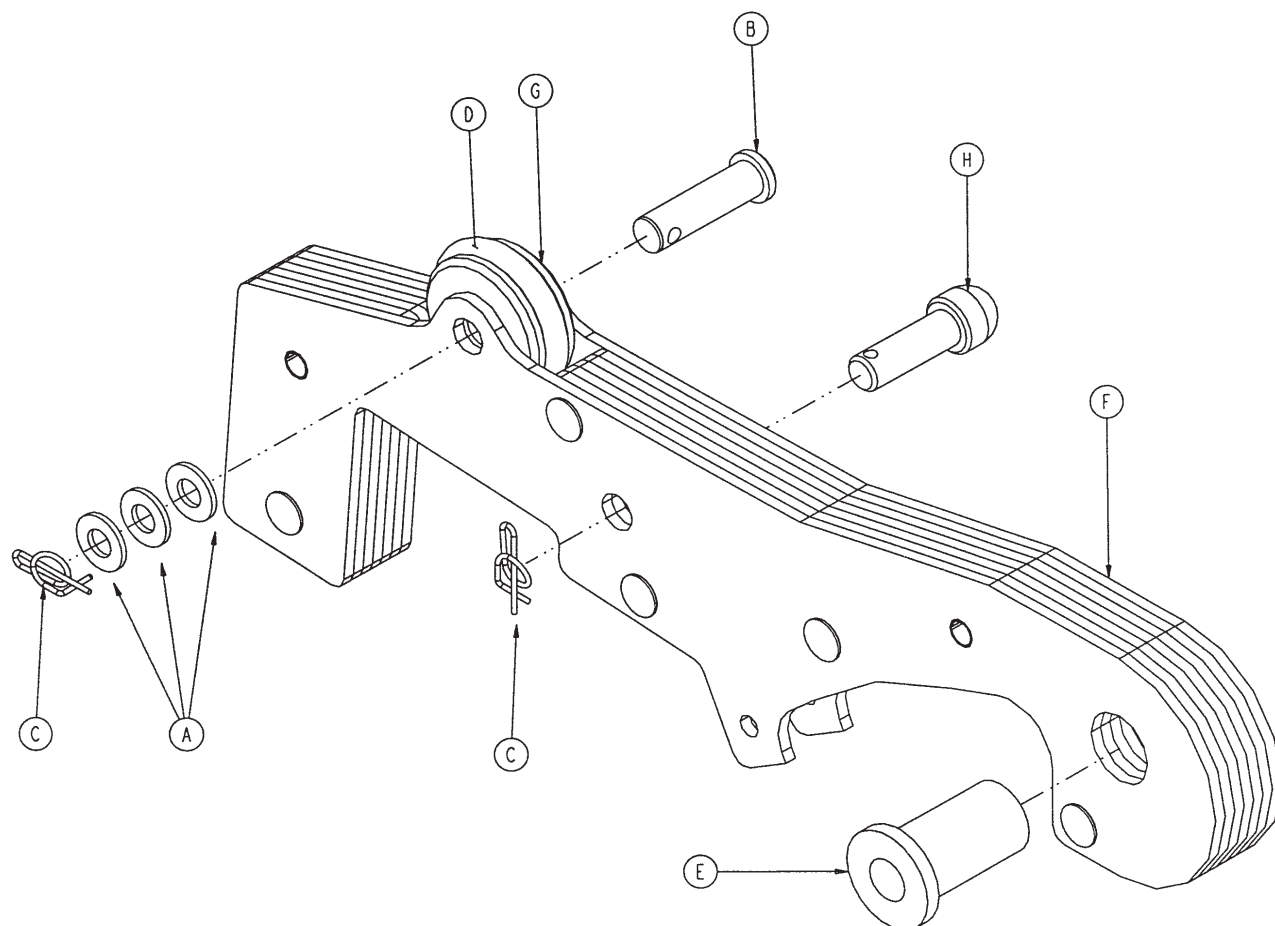
| Item   | Part No.     | Part Name               | Qty. | Item | Part No.     | Part Name  | Qty. |
|--|--------------|-------------------------|------|------|--------------|--|------|
| A  | 0003-032-000 | Hex Hd. Cap Screw       | 4    | AT   | 1210-201-251 | Insert Bushing                                       | 1    |
| C  | 0003-120-000 | Hex Hd. Cap Screw       | 2    | AU   | 1210-201-671 | Damper   | 1    |
| D  | 0004-039-000 | Soc. Hd. Cap Screw      | 1    | AW   | 2040-001-012 | <a href="#">Drive Whl. Lift Lever Ass'y (pg.137)</a> | 1    |
| E  | 0004-160-000 | Soc. Hd. Cap Screw      | 1    | AX   | 3001-200-022 | <a href="#">Foot End Bottom Cover (pg.138)</a>       | 1    |
| F  | 0004-301-000 | Pan Hd. Mach. Screw     | 1    | AY   | 2040-001-017 | <a href="#">Head End Bottom Cover (pg.138)</a>       | 1    |
| G  | 0004-307-000 | Soc. But. Hd. Cap Screw | 1    | AZ   | 2040-001-051 | Pedal Crank Weldment                                 | 1    |
| H  | 0005-017-000 | Carriage Bolt           | 1    | BA   | 2040-001-053 | Damper Crank Weldment                                | 1    |
| J  | 0005-031-000 | Carriage Bolt           | 2    | BB   | 2040-001-060 | Leaf Spring  | 1    |
| K  | 0007-052-000 | Truss Hd. Torx          | 12   | BC   | 2040-001-061 | Tie Down Strap                                       | 2    |
| L  | 0007-063-000 | Truss Hd. Torx          | 2    | BD   | 2040-001-062 | Reinforcement Tube                                   | 2    |
| M  | 0008-049-000 | Soc. Hd. Shoulder Bolt  | 2    | BE   | 2040-001-082 | Pedal Rod  | 1    |
| N  | 0011-063-000 | Washer                  | 7    | BF   | 2040-001-083 | Pedal Crank Roller                                   | 1    |
| P  | 0012-020-000 | Lock Washer             | 4    | BG   | 2040-001-084 | Pedal Rod Pivot Bracket                              | 1    |
| Q  | 0013-010-000 | Ext. Tooth Star Washer  | 4    | BH   | 2040-001-098 | Lift Lever Spacer                                    | 1    |
| R  | 0014-003-000 | Plastic Washer          | 8    | BJ   | 2040-001-100 | Drive Whl. Position Label                            | 1    |
| S  | 0016-003-000 | Nylock Nut              | 1    | BK   | 2040-001-101 | Charger Box Cover                                    | 1    |
| T  | 0016-028-000 | Nylock Nut              | 1    | BL   | 2040-001-102 | Power Bd. Cover Label                                | 1    |
| U  | 0016-035-000 | Nylock Nut              | 2    | BM   | 2040-001-103 | Charger Box Sw. Brkt. Cov.                           | 1    |
| W  | 0016-036-000 | Nylock Nut              | 2    | BN   | 2040-001-801 | Base Switch Cable                                    | 1    |
| X  | 0021-022-000 | Set Screw               | 1    | BP   | 2040-001-804 | Pwr. Bd. DC Pwr. Cable                               | 1    |
| Y  | 0023-025-000 | Hex Washer Hd. Screw    | 10   | BQ   | 3000-200-601 | Brake Label  | 2    |
| Z  | 0023-281-000 | Self-Tapping Screw      | 4    | BR   | 3000-200-602 | Stryker Logo Label                                   | 1    |
| AA   | 0025-079-000 | Pop Rivet               | 1    | BS   | 3000-300-058 | Limit Switch   | 1    |
| AB   | 0026-261-000 | Groove Pin              | 1    | BT   | 3000-300-428 | Gatch Link Sleeve                                    | 4    |
| AC   | 0026-277-000 | Clevis Pin              | 1    | BU   | 3000-300-113 | Wire Ties  | 2    |
| AD   | 0026-297-000 | Clevis Pin              | 1    | BW   | 3002-001-010 | Transformer  | 1    |
| AE   | 0027-021-000 | Rue Ring Cotter         | 1    | BX   | 3002-001-014 | <a href="#">Drive Train Ass'y (pg.139)</a>           | 1    |
| AF   | 0027-022-000 | Rue Ring Cotter         | 1    | BY   | 3002-001-015 | <a href="#">Battery Tray Ass'y (pg.140)</a>          | 1    |
| AG   | 0030-038-000 | Split Bushing           | 1    | BZ   | 3002-001-018 | Hood Assembly  | 1    |
| AH   | 0030-040-000 | E-A-R Grommet           | 1    | CA   | 3002-001-030 | <a href="#">Base Power Ass'y (pg.141)</a>            | 1    |
| AK   | 0042-006-000 | Collar                  | 2    | CB   | 3002-001-050 | Charger Box Weldment                                 | 1    |
| AL   | 0042-020-000 | Lock Collar             | 1    | CC   | 3002-001-068 | Power PCB Cover                                      | 1    |
| AM   | 0058-090-000 | Threaded Stud           | 1    | CD   | 3002-001-071 | Charger/Inverter Cover                               | 1    |
| AN   | 0059-133-000 | Push-Mount Wire Clip    | 1    | CE   | 3002-001-078 | Hood Slot Trim                                       | 1    |
| AP   | 0059-192-000 | Split Ferrite           | 1    | CF   | 3002-001-079 | Hood Slot Trim Bracket                               | 1    |
| AQ   | 0059-194-000 | Split Ferrite           | 3    | CG   | 3002-001-802 | Inverter/Battery Cable                               | 1    |
| AR   | 0081-245-000 | Bronze Bushing          | 2    | CH   | 7000-001-326 | Foam Tape (10")                                      | 2    |
| AS   | 1210-201-153 | Butterfly "V" Pedal     | 1    | CJ   | 0059-144-000 | Split Ferrite  | 1    |
| <b>Zoom Base, 6" Casters - 3002-244-010 (Reference Only)</b> |              |                         |      |      |              |  |      |

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| B    | 0003-085-000 | Hex Hd. Cap Screw     | 4    |
| DA   | 3002-001-801 | Umbilical Cable Ass'y | 1    |

## Zoom Base, 8" Casters - 3002-248-010 (Reference Only)

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| B    | 0003-053-000 | Hex Hd. Cap Screw     | 4    |
| DA   | 3002-001-801 | Umbilical Cable Ass'y | 1    |
| DB   | 2040-001-001 | 8" Caster Spacer      | 1    |

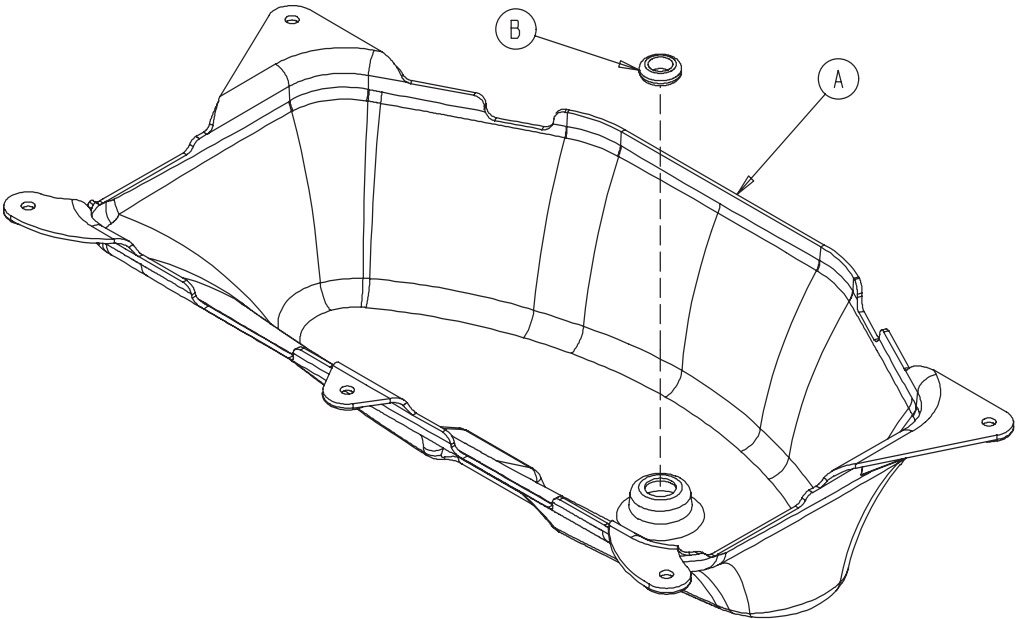
# Zoom® Option Drive Wheel Lift Lever Assembly - 2040-001-012



| Item | Part No.     | Part Name                    | Qty. |
|------|--------------|------------------------------|------|
| A    | 0011-003-000 | Washer                       | 3    |
| B    | 0026-297-000 | Clevis Pin                   | 1    |
| C    | 0027-021-000 | Rue Ring                     | 2    |
| D    | 0045-232-000 | O-Ring                       | 1    |
| E    | 0081-070-000 | Flange Bearing               | 1    |
| F    | 2040-201-013 | Drive Wheel Lift Plate Ass'y | 1    |
| G    | 2040-001-087 | Lift Lever Roller            | 1    |
| H    | 2040-001-099 | Lift Lever Guide             | 1    |

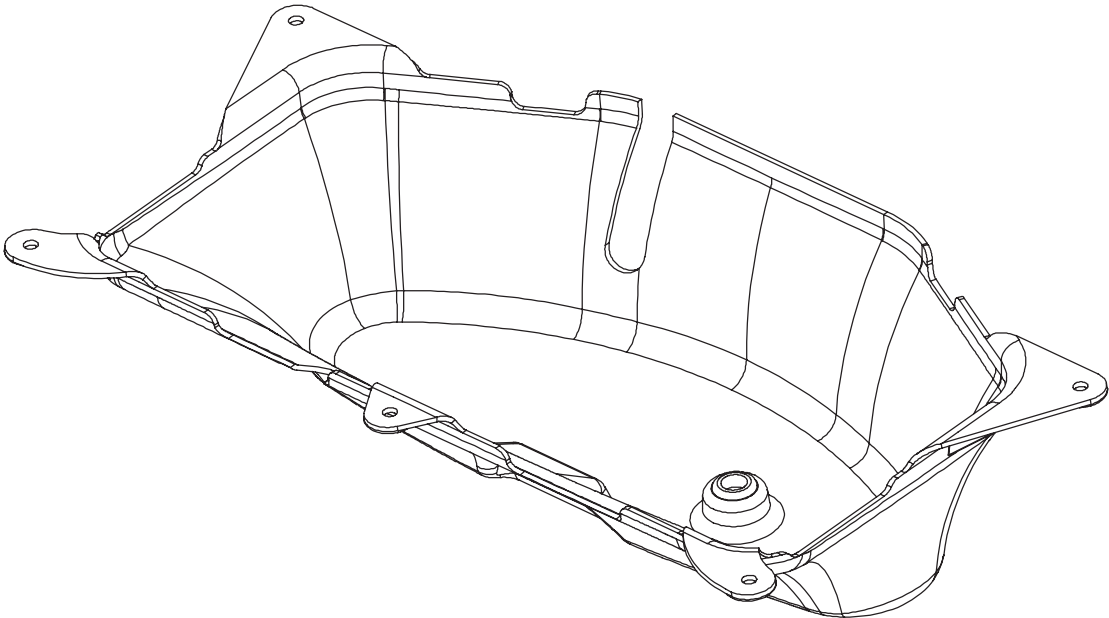
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# Foot End Bottom Cover - 3001-200-022

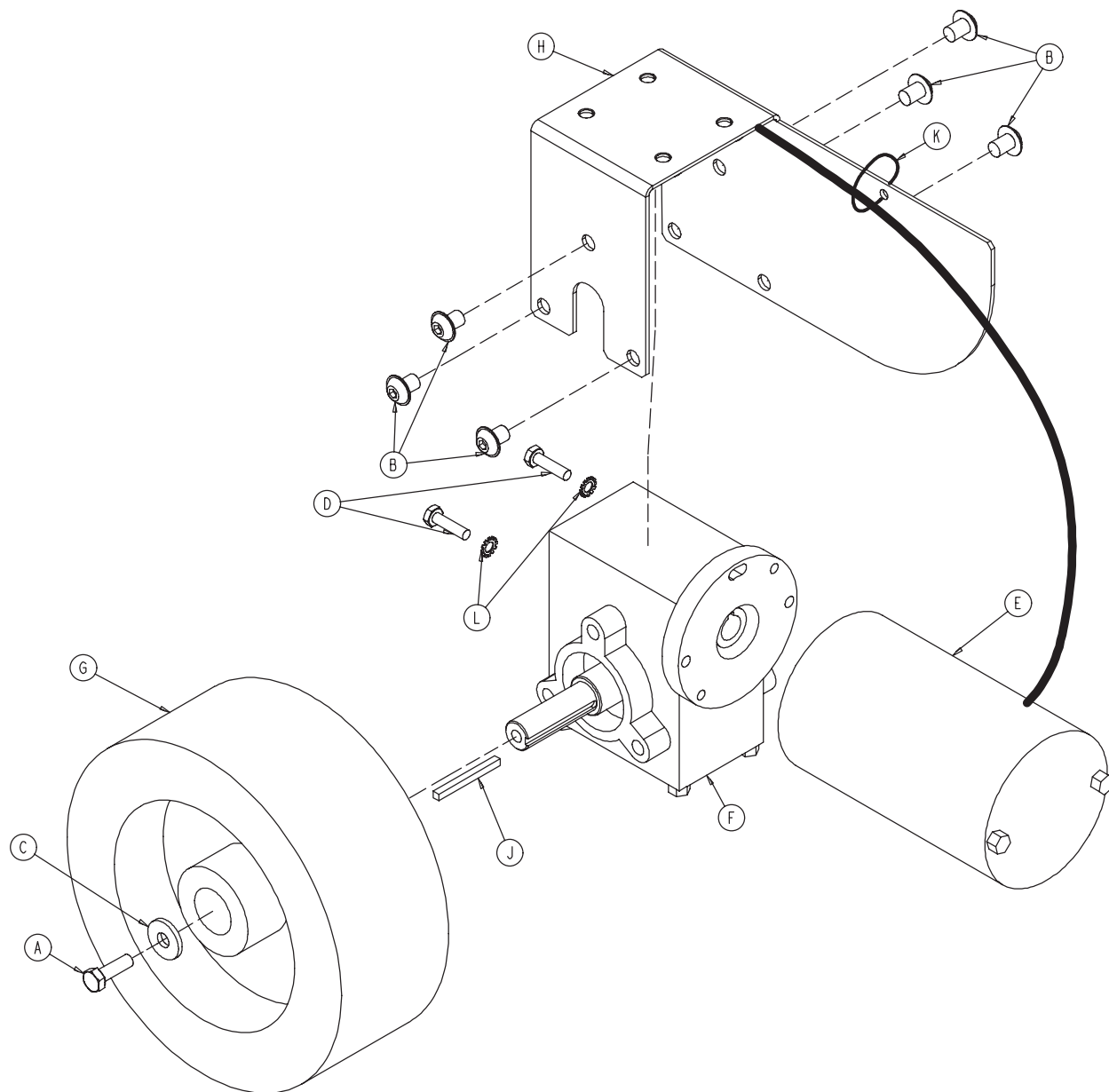


| Item | Part No.     | Part Name    | Qty. |
|------|--------------|--------------|------|
| A    | 3002-001-100 | Bottom Cover | 1    |
| B    | 3000-000-039 | Grommet      | 1    |

# Zoom Option Head End Bottom Cover - 2040-001-017



# Zoom Option Drive Train Assembly - 3002-001-014



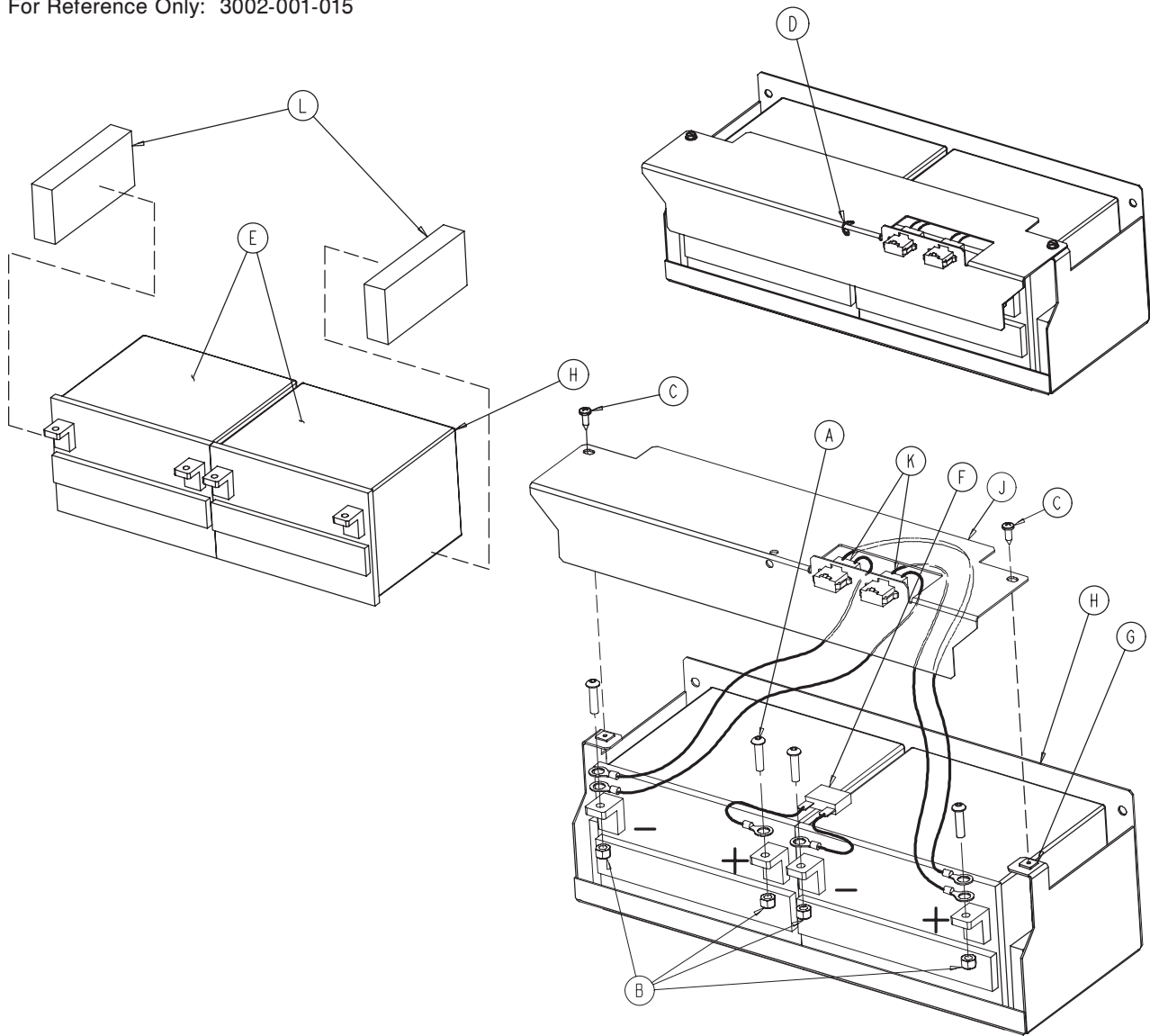
| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 8839-793-700 | Hex Hd. Cap Screw          | 1    |
| B    | 0004-338-000 | Flanged But. Hd. Cap Screw | 6    |
| C    | 0011-262-000 | Washer                     | 1    |
| D    | 0003-054-000 | Hex Hd. Cap Screw          | 2    |
| E    | 3002-001-072 | Drive Train Motor          | 1    |
| F    | 2040-001-073 | Gear Box                   | 1    |
| G    | 2040-001-074 | Drive Train Wheel          | 1    |
| H    | 2040-001-075 | Motor Mounting Bracket     | 1    |
| J    | 2040-001-097 | Square Key                 | 1    |
| K    | 3000-300-113 | Wire Tie                   | 1    |
| L    | 0013-010-000 | Star Washer                | 2    |

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# Zoom Option Battery Tray Assembly

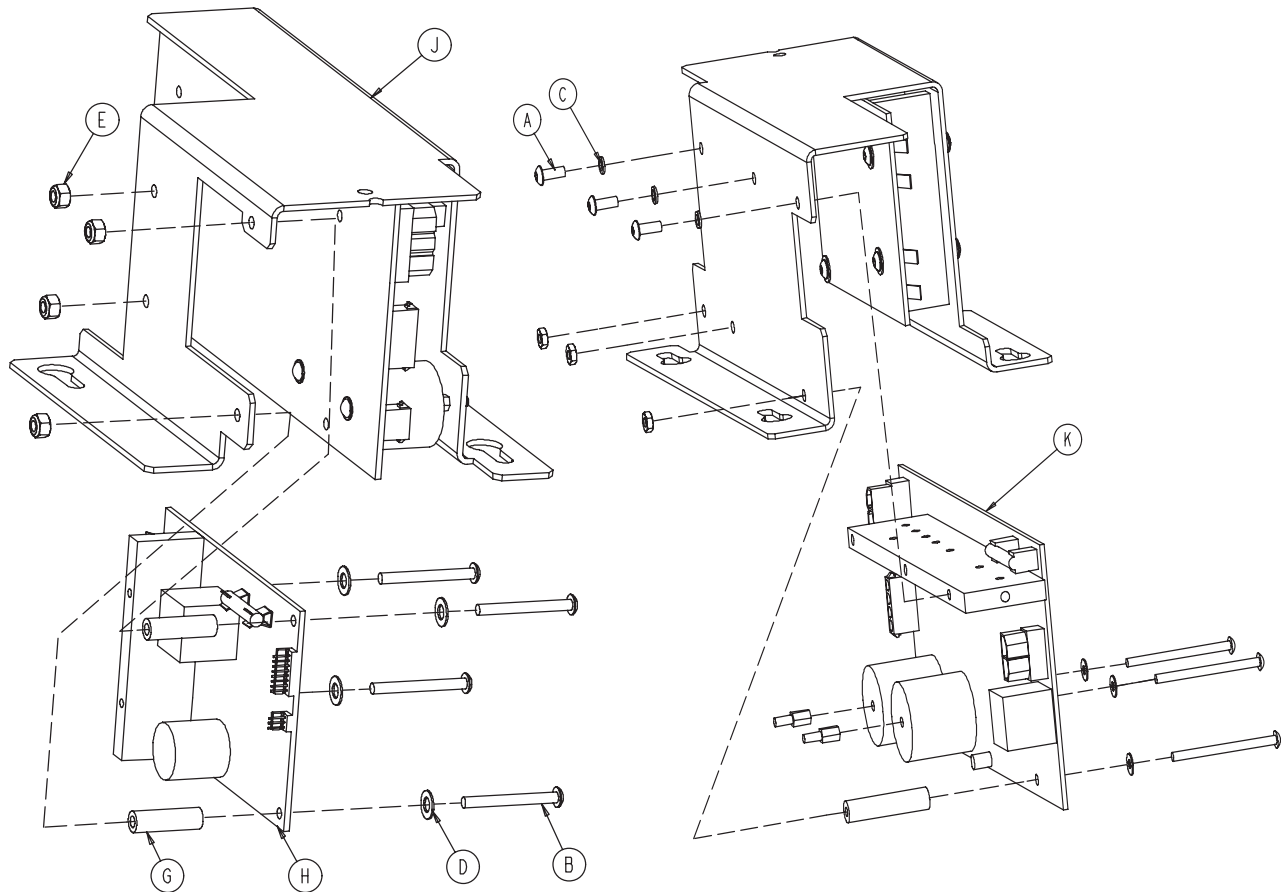
## Battery Kit Part Number 2040-700-013 (Includes Two Batteries)

For Reference Only: 3002-001-015



| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0004-046-000 | But. Hd. Cap Screw    | 4    |
| B    | 0016-028-000 | Nylock Nut            | 4    |
| C    | 0023-256-000 | Pan Hd. Screw         | 2    |
| D    | 0038-151-000 | Cable Tie             | 1    |
| E    | 2040-001-070 | Battery               | 2    |
| F    | 2040-001-802 | Battery Jumper Cable  | 1    |
| G    | 3000-300-002 | Push Nut              | 2    |
| H    | 3002-001-069 | Battery Tray          | 1    |
| J    | 3002-001-091 | Terminal Guard        | 1    |
| K    | 3002-001-803 | Battery Harness Cable | 2    |
| L    | 3002-101-043 | Foam Spacer           | 2    |

# Zoom Option Base Power Assembly - 3002-001-030

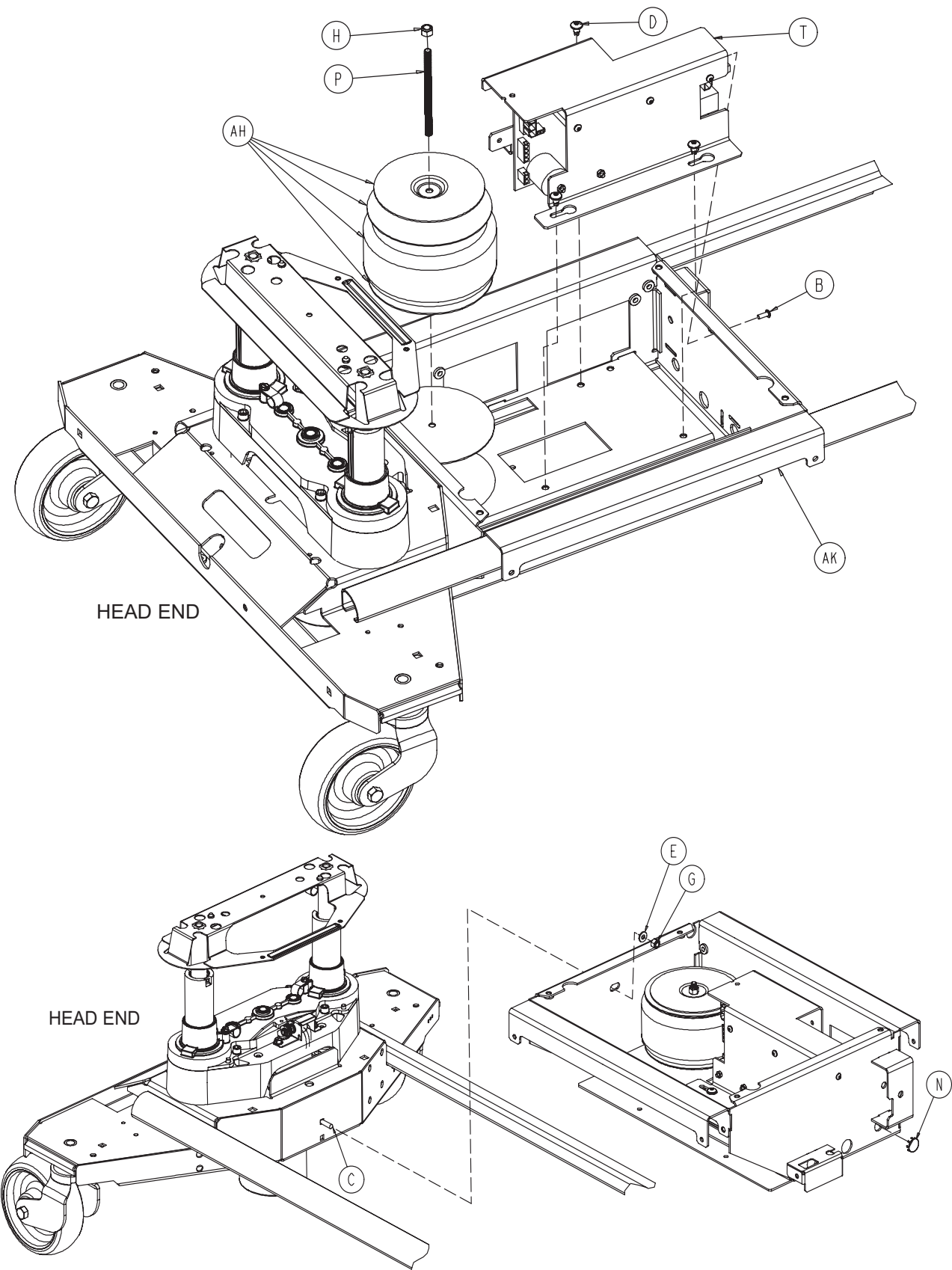


| Item | Part No.     | Part Name                     | Qty. |
|------|--------------|-------------------------------|------|
| A    | 0004-263-000 | But. Hd. Cap Screw            | 3    |
| B    | 0004-315-000 | But. Hd. Cap Screw            | 4    |
| C    | 0012-006-000 | Helical Lock Washer           | 3    |
| D    | 0014-004-000 | Nylon Washer                  | 4    |
| E    | 0016-002-000 | Fiberlock Nut                 | 4    |
| G    | 0059-187-000 | Spacer                        | 2    |
| H    | 2040-001-900 | Power Board                   | 1    |
| J    | 3002-001-017 | Charger/Inverter Heat Bracket | 1    |
| K    | 3002-001-930 | Charger/Inverter Board Ass'y  | 1    |

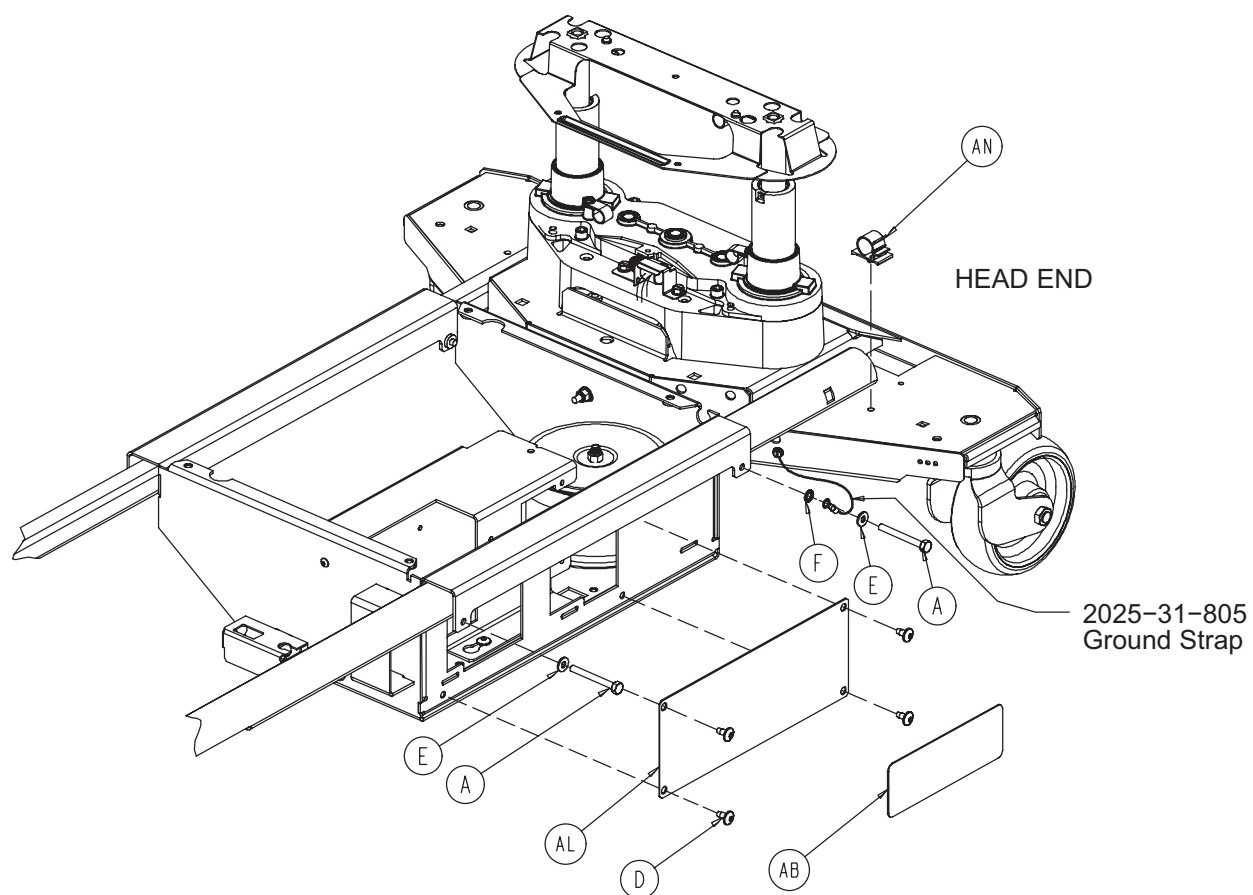
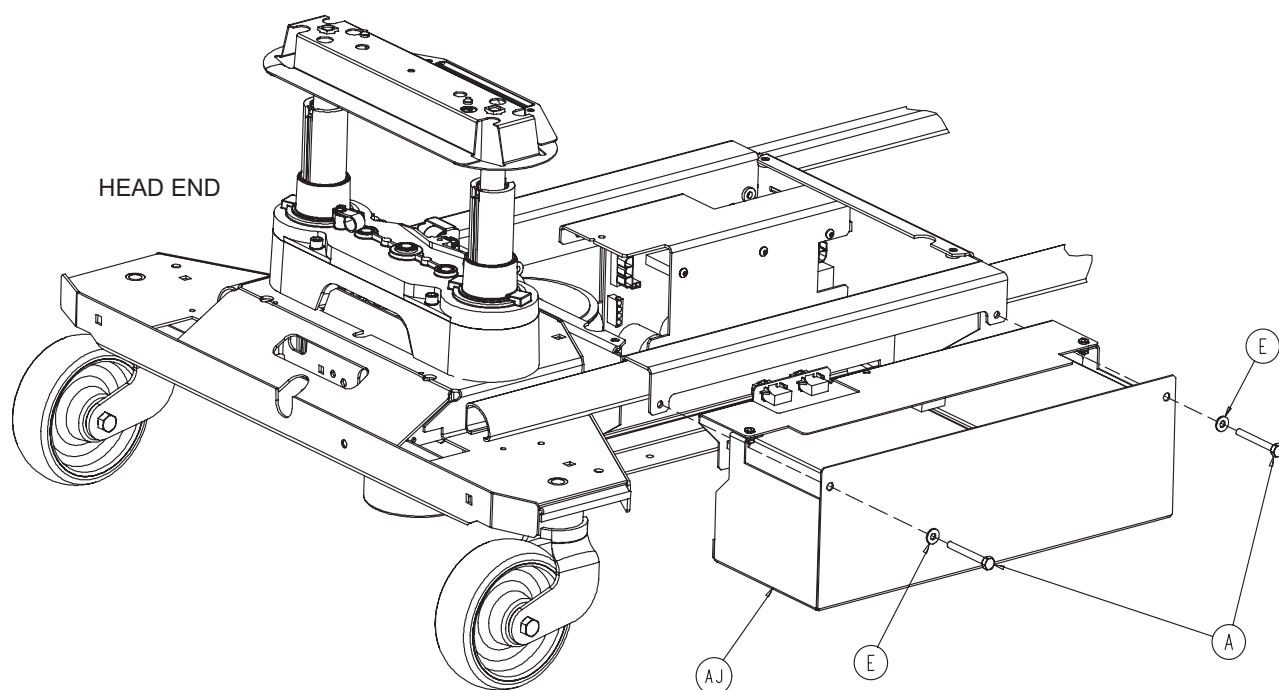
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# Base Assembly with Battery Backup Option

For Reference Only: 3002-350-170

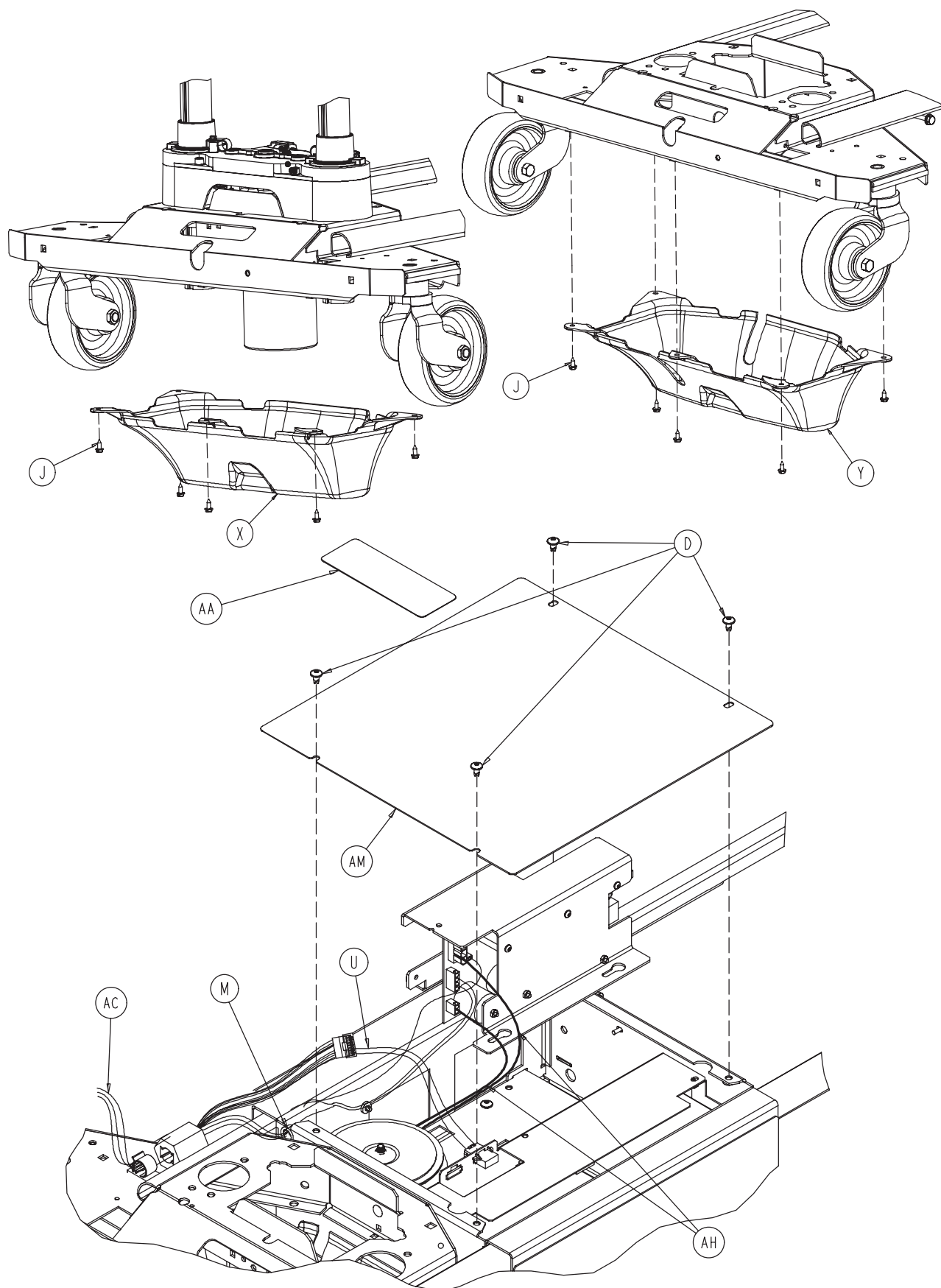


# Base Assembly with Battery Backup Option

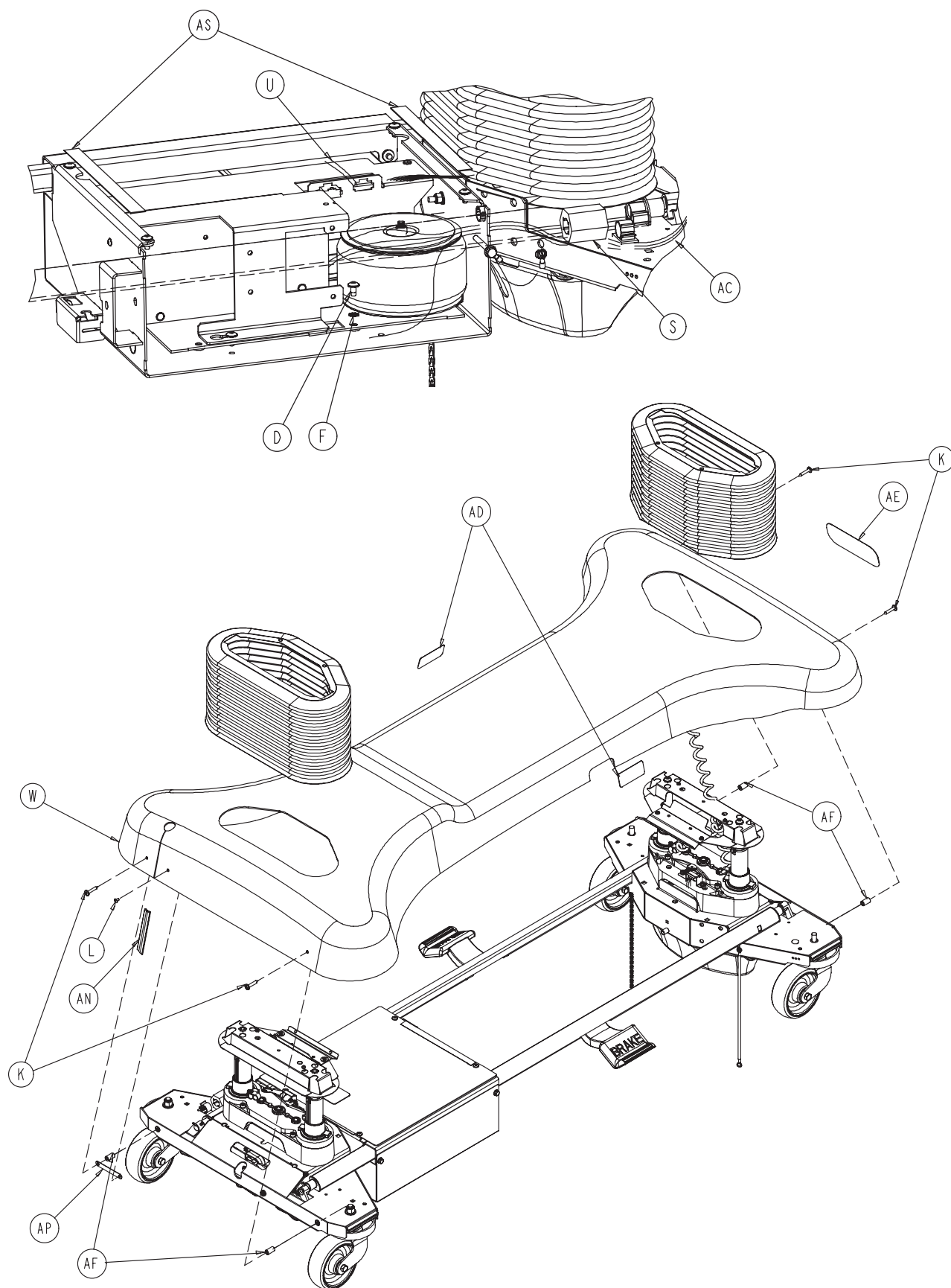


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## Base Assembly with Battery Backup Option



# Base Assembly with Battery Backup Option



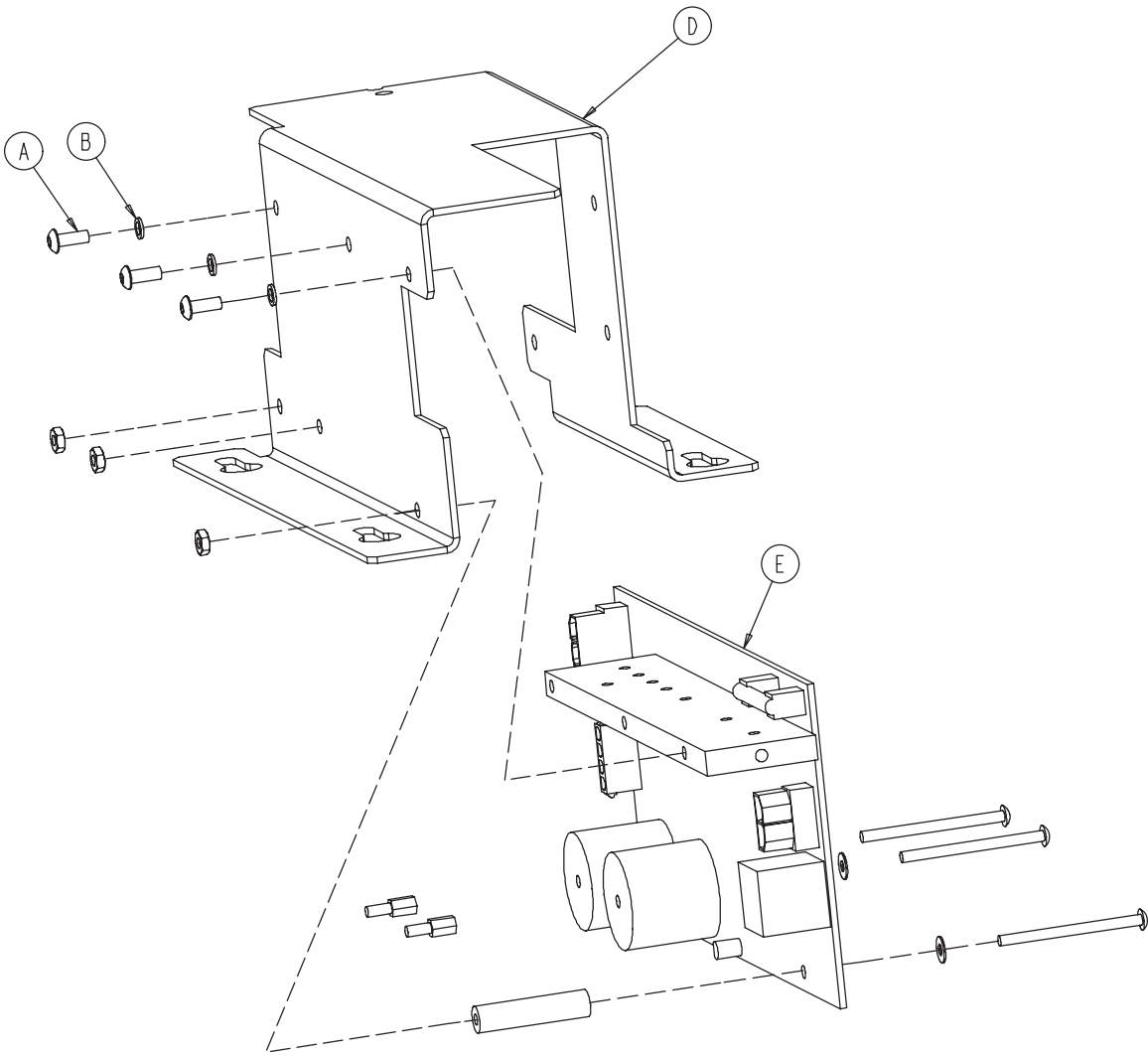
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# Base Assembly with Battery Backup Option

## Base Assembly with Battery Backup Option - 3002-350-170 (Reference Only)

| Item | Part No.     | Part Name  | Qty. |
|------|--------------|--|------|
| A    | 0003-032-000 | Hex Hd. Cap Screw                                    | 4    |
| B    | 0004-301-000 | Pan Hd. Machine Screw                                | 1    |
| C    | 0005-017-000 | Carriage Bolt  | 1    |
| D    | 0007-052-000 | Truss Hd. Torx Screw                                 | 13   |
| E    | 0011-063-000 | Washer   | 5    |
| F    | 0013-010-000 | External Tooth Star Washer                           | 5    |
| G    | 0016-028-000 | Nylock Nut   | 1    |
| H    | 0016-036-000 | Nylock Nut   | 1    |
| J    | 0023-025-000 | Hex Washer Hd. Screw                                 | 10   |
| K    | 0023-281-000 | Self-Tapping Screw                                   | 4    |
| L    | 0025-079-000 | Pop Rivet  | 1    |
| M    | 0030-038-000 | Split Bushing  | 1    |
| N    | 0037-221-000 | Hole Plug  | 1    |
| P    | 0058-090-000 | Threaded Stud  | 1    |
| R    | 0059-133-000 | Push-Mount Wire Clip                                 | 1    |
| S    | 0059-192-000 | Split Ferrite  | 1    |
| T    | 2030-001-030 | <a href="#">Base Power Assembly (pg.147)</a>         | 1    |
| U    | 2030-080-802 | Epic+ DC Jumper Assembly                             | 1    |
| W    | 2030-201-005 | Base Hood  | 1    |
| X    | 3001-200-022 | <a href="#">Foot End Bottom Cover Ass'y (pg.138)</a> | 1    |
| Y    | 2040-001-017 | <a href="#">Head End Bottom Cover Ass'y (pg.138)</a> | 1    |
| Z    | 2040-001-100 | Drive Wheel Position Label                           | 1    |
| AA   | 2040-001-101 | Charger Box Cover Label                              | 1    |
| AB   | 2040-001-102 | Power Board Cover Label                              | 1    |
| AC   | 3002-031-113 | Umbilical Cable Isolation Bracket                    | 1    |
| AD   | 3000-200-601 | Brake Label  | 2    |
| AE   | 3000-200-602 | Stryker Logo Label                                   | 1    |
| AF   | 3000-300-428 | Gatch Link Sleeve                                    | 4    |
| AG   | 3000-300-113 | Wire Tie   | 2    |
| AH   | 3002-001-010 | Transformer  | 1    |
| AJ   | 3002-001-015 | <a href="#">Battery Tray Assembly (pg.140)</a>       | 1    |
| AK   | 3002-001-050 | Charger Box  | 1    |
| AL   | 3002-001-068 | Power PCB Cover                                      | 1    |
| AM   | 3002-001-071 | Charger/Inverter Cover                               | 1    |
| AN   | 3002-001-078 | Hood Slot Trim                                       | 1    |
| AP   | 3002-001-079 | Hood Slot Trim Bracket                               | 1    |
| AR   | 3002-001-802 | Inverter/Battery Cable                               | 1    |
| AS   | 7000-001-326 | Foam Tape (10")                                      | 2    |

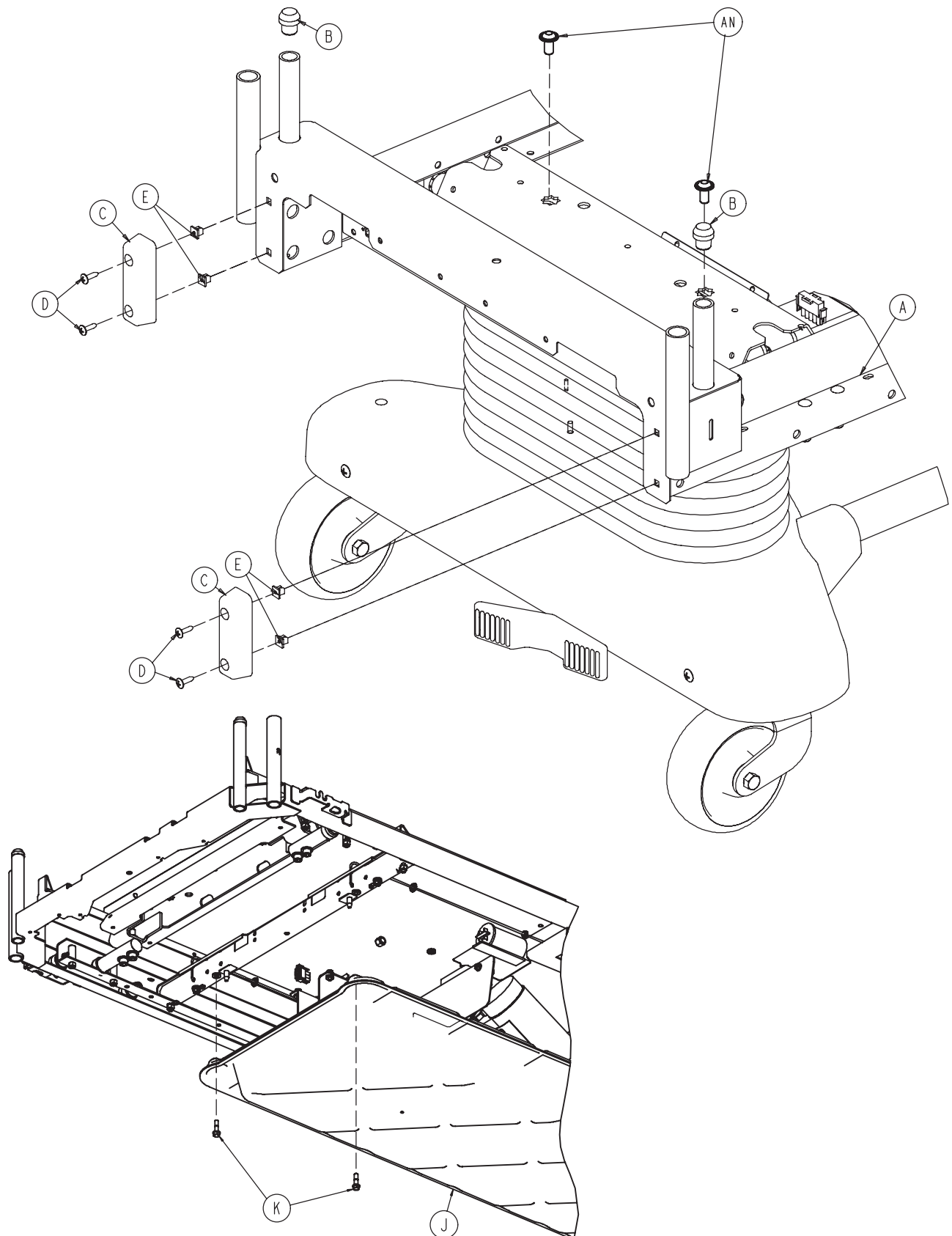
# Battery Backup Option Power Assembly - 2030-001-030



| Item | Part No.     | Part Name                     | Qty. |
|------|--------------|-------------------------------|------|
| A    | 0004-263-000 | But. Hd. Cap Screw            | 3    |
| B    | 0012-006-000 | Helical Lock Washer           | 3    |
| D    | 3002-001-017 | Charger/Inverter Heat Bracket | 1    |
| E    | 3002-001-930 | Charger/Inverter Board        | 1    |

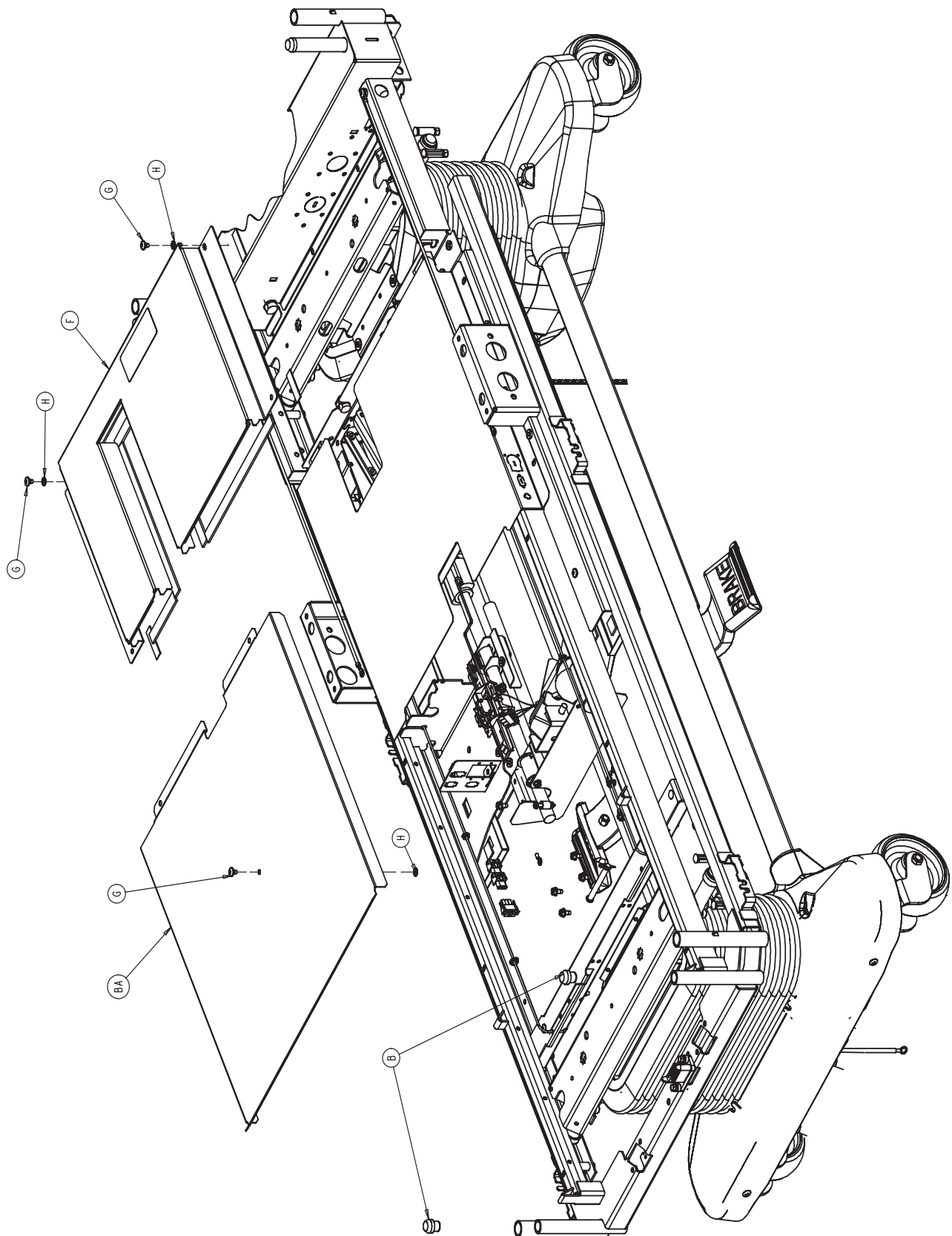
# Litter Assembly

For Reference Only: 3003-300-002



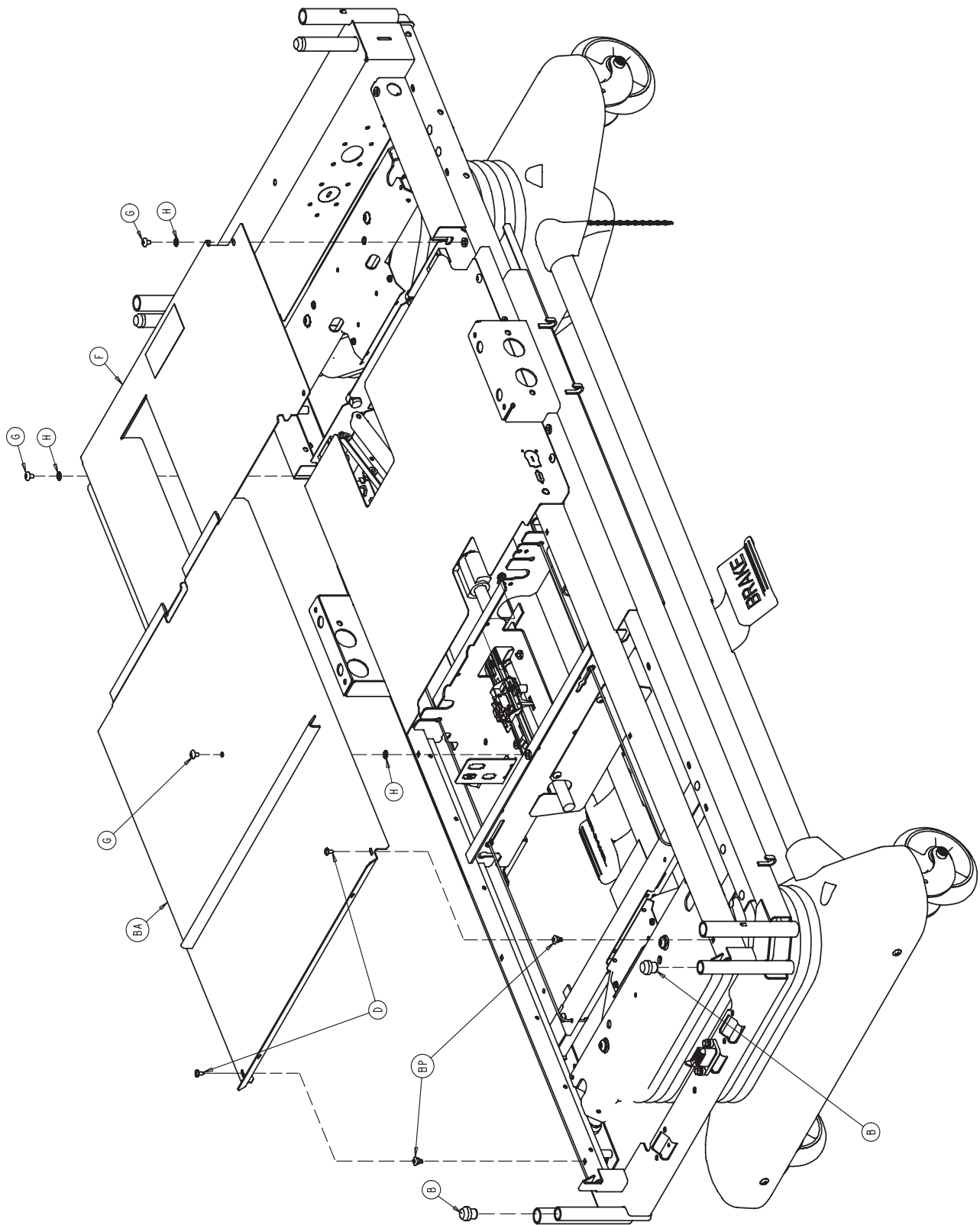
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# Litter Assembly

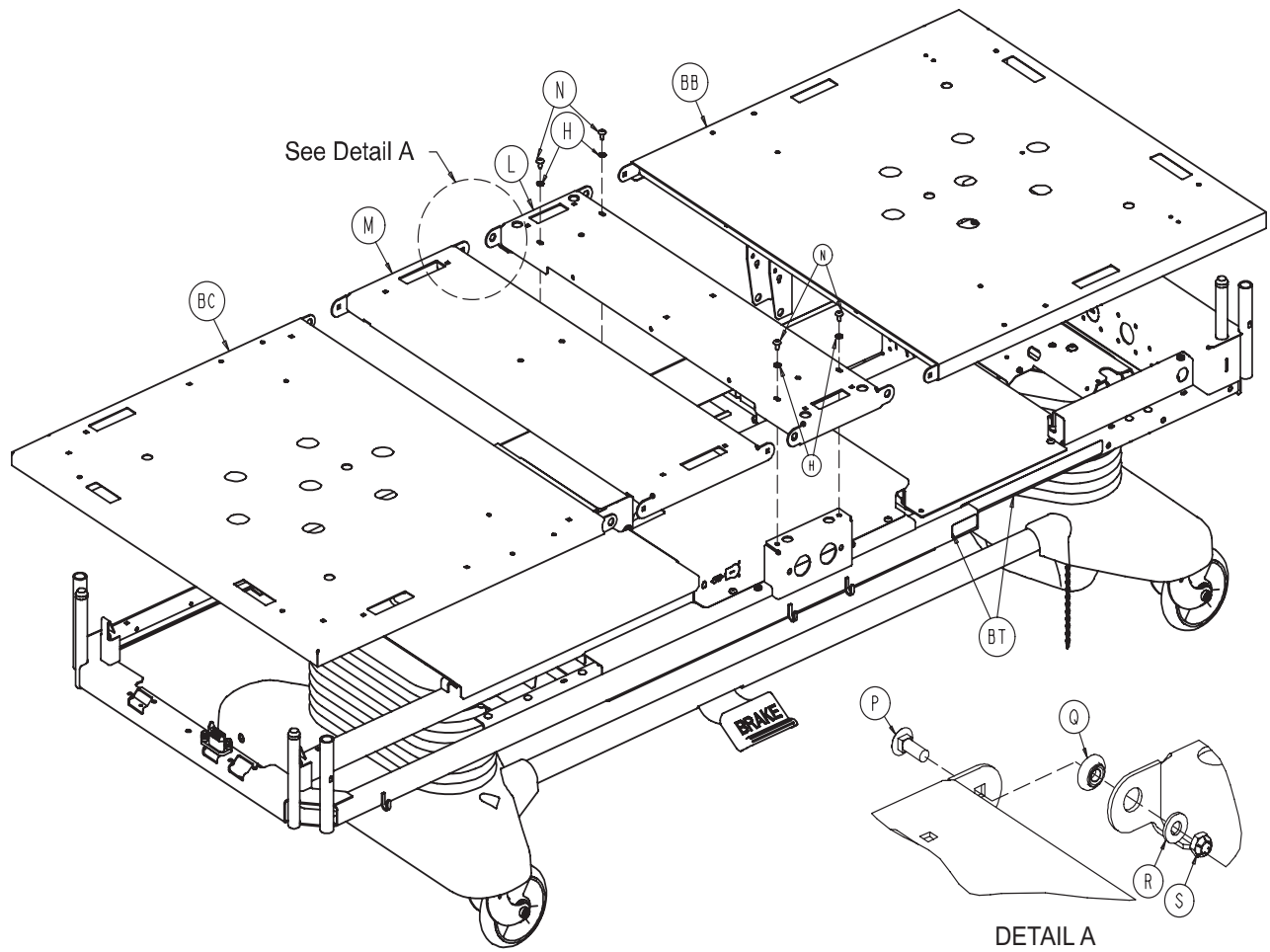


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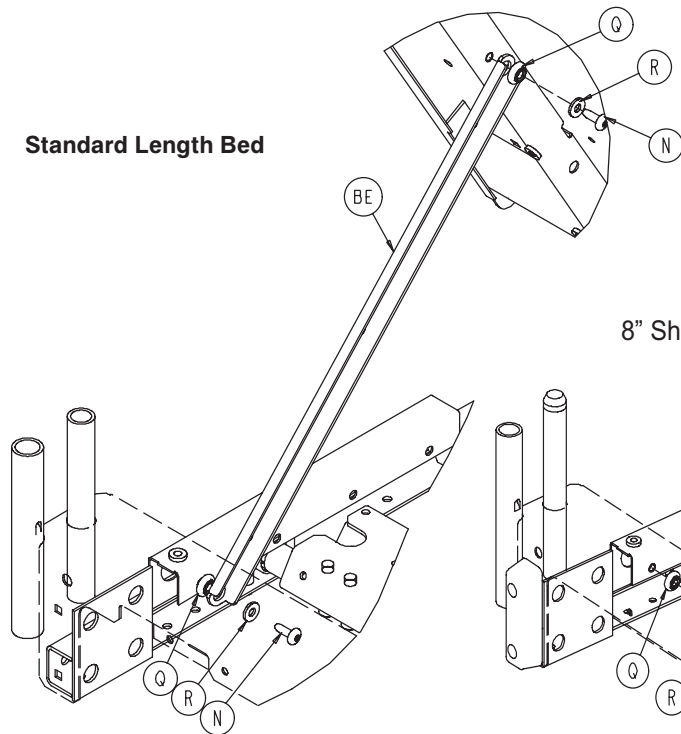
# Litter Assembly



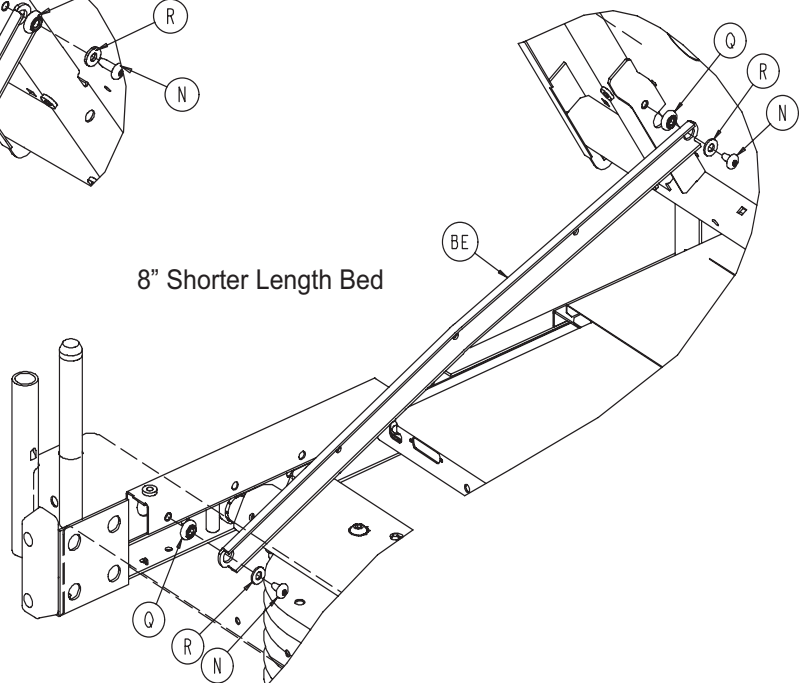
# Litter Assembly



**Standard Length Bed**

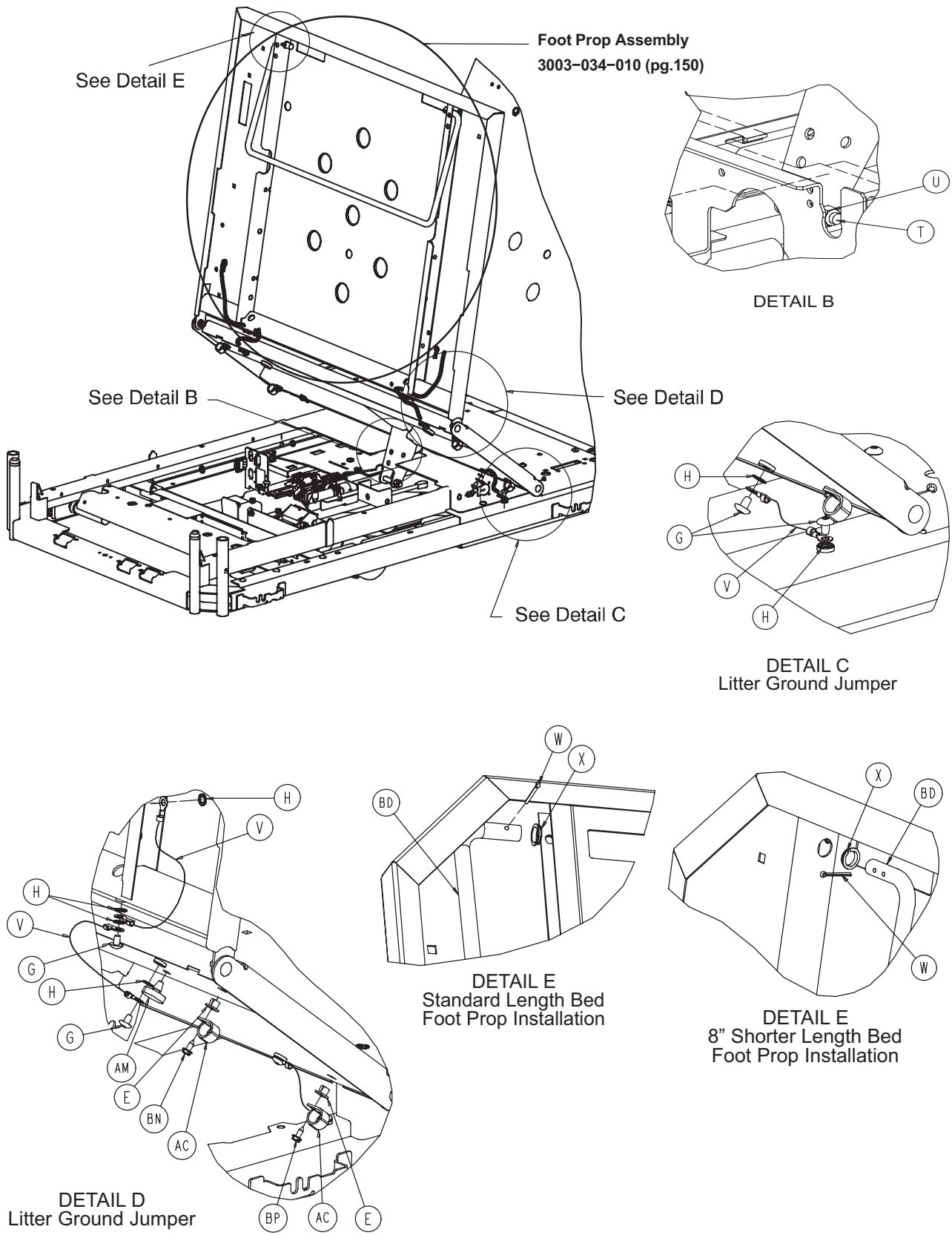


**8" Shorter Length Bed**

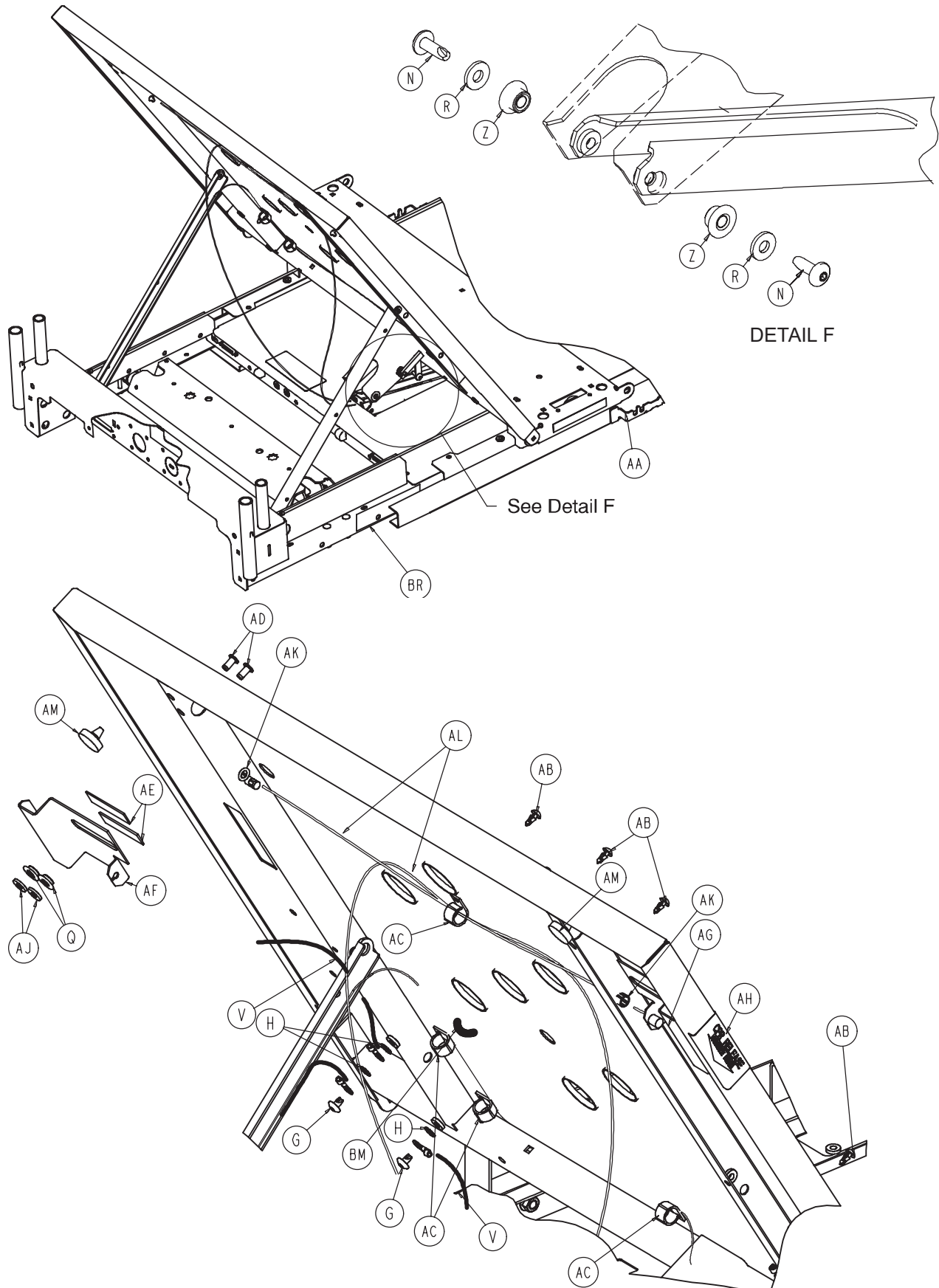


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# Litter Assembly



# Litter Assembly



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# Litter Assembly - 3003-300-002

## Litter Common Components – 3003-300-2 (reference only)

| Item | Part No.     | Part Name  | Qty. | Item | Part No.     | Part Name                | Qty. |
|------|--------------|--|------|------|--------------|--------------------------|------|
| A    | 3002-300-895 | <a href="#">Electrical Litter Ass'y (pg.159)</a> | 1    | X    | 0052-754-000 | Bushing                  | 2    |
| B    | 3000-300-349 | Cap  | 4    | AA   | 2020-088-820 | Caution Label            | 2    |
| F    | 3003-034-010 | <a href="#">CPU Cover Ass'y (pg.157)</a>         | 1    | AB   | 3000-300-477 | CPR Conduit Stud         | 1    |
| G    | 0007-053-000 | Truss Hd. Screw                                  | 17   | AC   | 0059-743-000 | Wire Harness Clip        | 1    |
| H    | 0013-010-000 | Ext. Tooth Lock Washer                           | 27   | AD   | 0025-120-000 | Pop Rivet                | 4    |
| K    | 3001-200-229 | Mounting StandOff                                | 2    | AE   | 3001-300-663 | Velcro Strip             | 4    |
| L    | 3003-300-135 | Seat Litter                                      | 1    | AF   | 3001-300-662 | CPR Handle, Left         | 1    |
| M    | 3001-300-170 | Thigh Litter Ass'y                               | 1    | AG   | 3001-300-661 | CPR Handle, Right        | 1    |
| N    | 0007-063-000 | Truss Hd. Screw                                  | 6    | AH   | 3001-300-603 | CPR Release Label        | 2    |
| P    | 0005-017-000 | Carriage Bolt                                    | 6    | AJ   | 0011-376-000 | Washer                   | 4    |
| Q    | 3001-300-099 | Fowler Bushing                                   | 14   | AK   | 0030-052-000 | Snap Bushing             | 2    |
| R    | 0011-077-000 | Flat Washer                                      | 12   | AL   | 3001-300-670 | CPR Cable Ass'y          | 2    |
| S    | 0016-028-000 | Fiber Lock Nut                                   | 6    | AM   | 3001-300-008 | Bumper                   | 2    |
| T    | 0026-277-000 | Clevis Pin                                       | 1    | AN   | 0004-338-000 | Flange But. Hd. Cap Scr. | 4    |
| U    | 0027-022-000 | Rue Ring Cotter                                  | 1    | AP   | 0007-065-000 | Truss Hd. Screw          | 4    |
| V    | 3002-300-870 | Litter Ground Jumper                             | 10   | AR   | 0058-056-000 | Black Edge Trim          | 3"   |
| W    | 0027-007-000 | Cotter Pin                                       | 2    |      |              |                          |      |

## Std. Length Bed Litter - 3003-343-002 (Reference Only)

## 8" Shorter Litter Option - 3003-342-002 (Reference Only)

| Item | Part No.     | Part Name  | Qty. | Item | Part No.     | Part Name  | Qty. |
|------|--------------|--|------|------|--------------|--|------|
| A    | 3002-300-895 | <a href="#">Electrical Litter Ass'y (pg.159)</a> | 1    | A    | 3002-300-895 | <a href="#">Electrical Litter Ass'y (pg.159)</a> | 1    |
| C    | 3000-300-350 | Head End Bumper                                  | 2    | C    | 3000-300-350 | Head End Bumper                                  | 2    |
| D    | 0023-080-000 | Truss Hd. Screw                                  | 4    | D    | 0023-080-000 | Truss Hd. Screw                                  | 6    |
| E    | 3000-300-002 | Plastic Clip Nut                                 | 4    | E    | 3000-300-002 | Plastic Clip Nut                                 | 4    |
| J    | 3002-300-083 | Motion Interrupt Pan                             | 1    | J    | 3001-300-083 | Motion Interrupt Pan                             | 1    |
| Z    | 3000-300-099 | Fowler Bushing                                   | 2    | Z    | 3001-300-099 | Fowler Bushing                                   | 2    |
| AM   | 3001-300-008 | Bumper   | 2    | AM   | 3001-300-008 | Bumper   | 2    |
| BA   | 3003-034-010 | <a href="#">Foot Cover Ass'y (pg.158)</a>        | 1    | BA   | 3003-034-010 | <a href="#">Foot Cover Ass'y (pg.158)</a>        | 1    |
| BB   | 3002-300-145 | Fowler Litter Ass'y                              | 1    | BB   | 3002-342-130 | Fowler Litter Ass'y                              | 1    |
| BC   | 3003-300-190 | Foot Litter Ass'y                                | 1    | BC   | 3002-342-180 | Foot Litter Assembly                             | 1    |
| BD   | 3003-300-162 | Foot Prop Rod (option)                           | 1    | BD   | 3001-342-162 | Foot Prop Rod (option)                           | 1    |
| BE   | 3001-300-005 | Fowler Link                                      | 2    | BE   | 3001-342-008 | Fowler Link                                      | 2    |
| BR   | 3002-300-602 | Fowler Angle Label                               | 1    | BP   | 0052-816-000 | Screw Grommet                                    | 2    |
|      |              |  |      | BR   | 3002-300-602 | Fowler Angle Label                               | 1    |

# Litter Assembly - 3003-300-002

## Zoom Litter Option - 3003-344-002 (Reference Only)

| Item | Part No.     | Part Name                                     | Qty. |
|------|--------------|---|------|
| A    | 3002-350-110 | <a href="#">Battery Backup Ass'y (pg.164)</a> | 1    |
| J    | 3002-300-083 | Motion Interrupt Pan                          | 1    |
| Z    | 3000-300-099 | Fowler Bushing                                | 2    |
| AM   | 3001-300-008 | Bumper  | 2    |
| BE   | 3001-300-005 | Fowler Link                                   | 2    |
| BA   | 3003-034-010 | <a href="#">Foot Cover Ass'y (pg.158)</a>     | 1    |
| BB   | 3002-300-145 | Fowler Litter Ass'y                           | 1    |
| BC   | 3003-300-190 | Foot Litter Ass'y                             | 1    |
| BD   | 3003-300-162 | Foot Prop Rod (option)                        | 1    |
| BR   | 3002-300-602 | Fowler Angle Label                            | 1    |

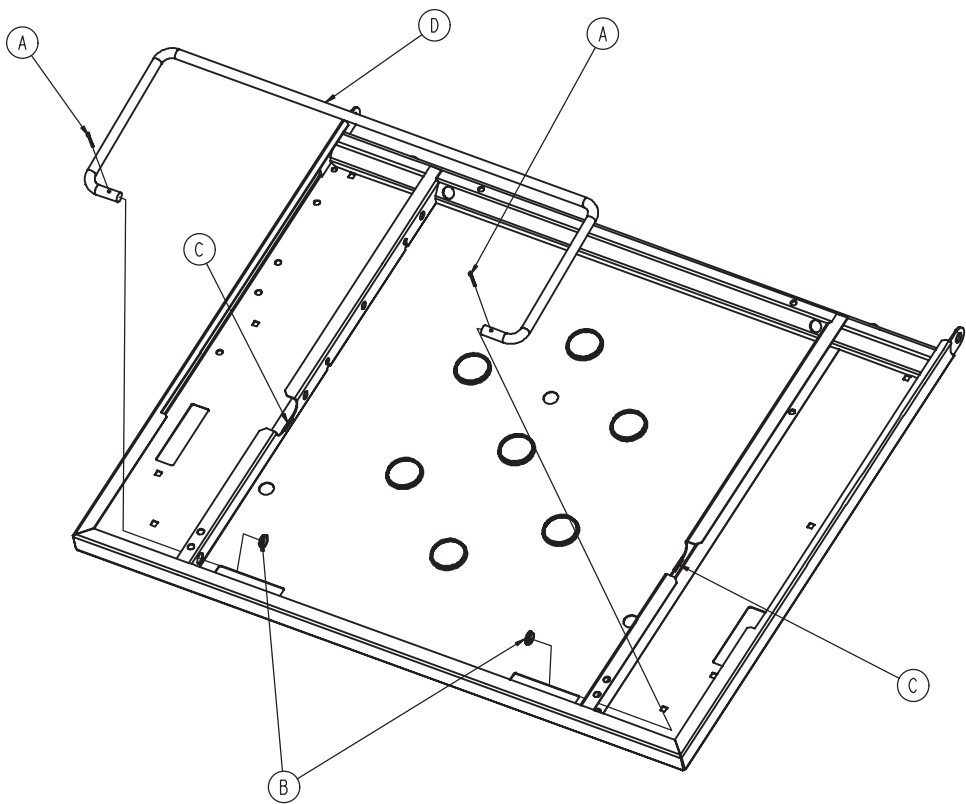
## 8" Shorter Zoom Litter Option - 3003-346-002 (Ref. Only)

| Item | Part No.     | Part Name  | Qty. |
|------|--------------|--|------|
| A    | 3002-300-895 | <a href="#">Electrical Litter Ass'y (pg.159)</a> | 1    |
| D    | 0023-080-000 | Truss Hd. Screw                                  | 2    |
| J    | 3002-300-083 | Motion Interrupt Pan                             | 1    |
| Z    | 3001-300-099 | Fowler Bushing                                   | 2    |
| AM   | 3001-300-008 | Bumper   | 2    |
| BA   | 3003-034-010 | <a href="#">Foot Cover Ass'y (pg.158)</a>        | 1    |
| BB   | 3002-342-130 | Fowler Litter Ass'y                              | 1    |
| BC   | 3002-342-180 | Foot Litter Ass'y                                | 1    |
| BD   | 3001-342-162 | Foot Prop Rod (option)                           | 1    |
| BE   | 3001-342-008 | Fowler Link                                      | 2    |
| BP   | 0052-816-000 | Screw Grommet                                    | 2    |
| BR   | 3002-300-602 | Fowler Angle Label                               | 1    |

## Battery Backup Litter Option - 3003-350-200 (Reference Only)

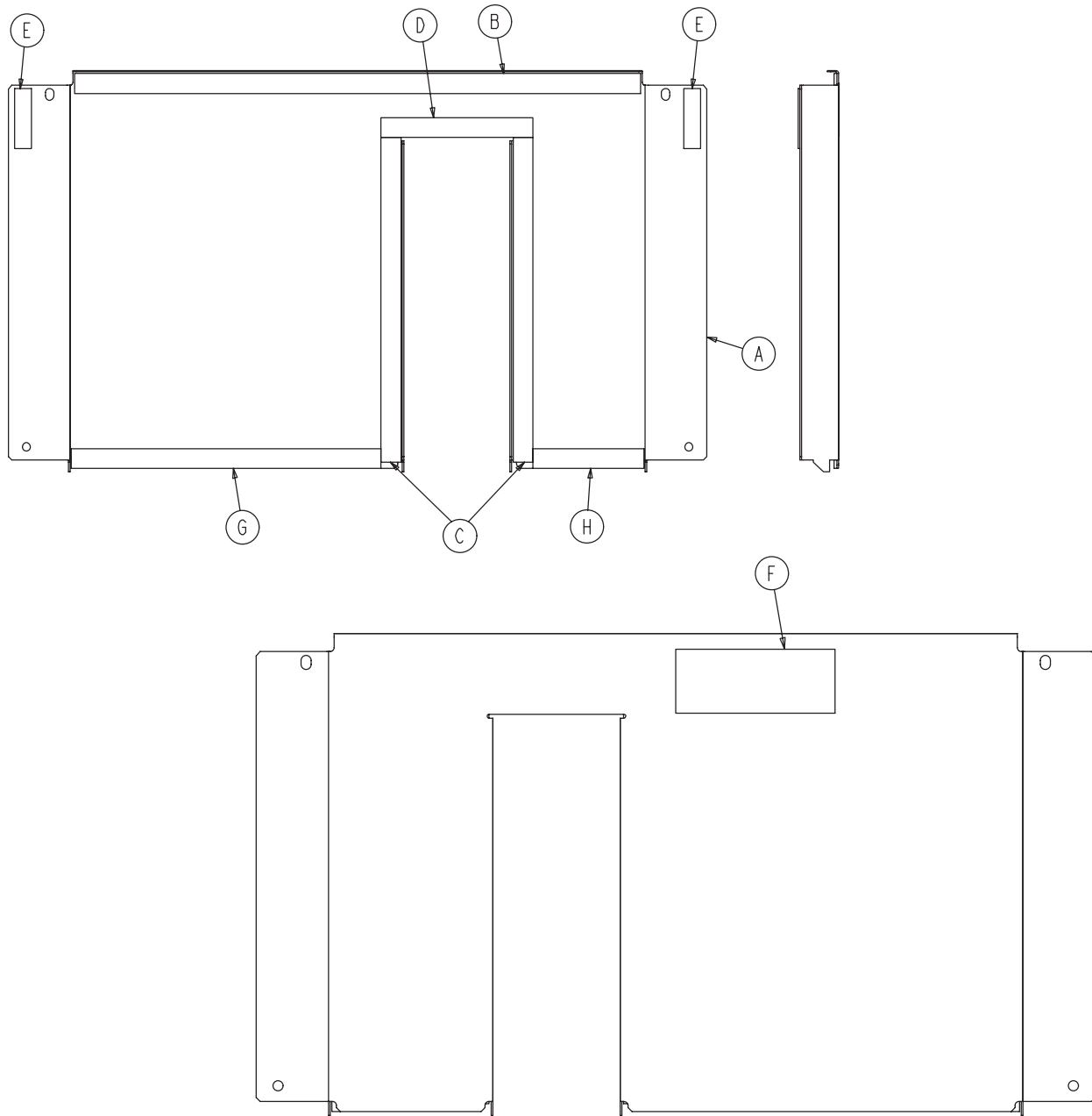
| Item | Part No.      | Part Name                                     | Qty. | Item | Part No.     | Part Name                                 | Qty. |
|------|---------------|---|------|------|--------------|---|------|
| A    | 3002-350-1110 | <a href="#">Battery Backup Ass'y (pg.164)</a> | 1    | BA   | 3003-034-010 | <a href="#">Foot Cover Ass'y (pg.158)</a> | 1    |
| J    | 3002-300-083  | Motion Interrupt Pan                          | 1    | BB   | 3002-300-145 | Fowler Litter Ass'y                       | 1    |
| Z    | 3000-300-099  | Fowler Bushing                                | 2    | BC   | 3003-300-190 | Foot Litter Ass'y                         | 1    |
| AM   | 3001-300-008  | Bumper  | 2    | BD   | 3003-300-162 | Foot Prop ROD (option)                    | 1    |
| BE   | 3001-300-005  | Fowler Link                                   | 2    | BR   | 3002-300-602 | Fowler Angle Label                        | 1    |

# Foot Prop Assembly, Standard Length Bed - 3003-034-010



| Item | Part No.      | Part Name       | Qty. |
|------|---------------|-----------------|------|
| A    | 0027-007-000  | Cotter Pin      | 2    |
| B    | 0052-754-000  | Bushing         | 2    |
| C    | 0058-056-000  | Black Edge Trim | 3"   |
| D    | 3003-300-1627 | Rod, Foot Prop  | 1    |

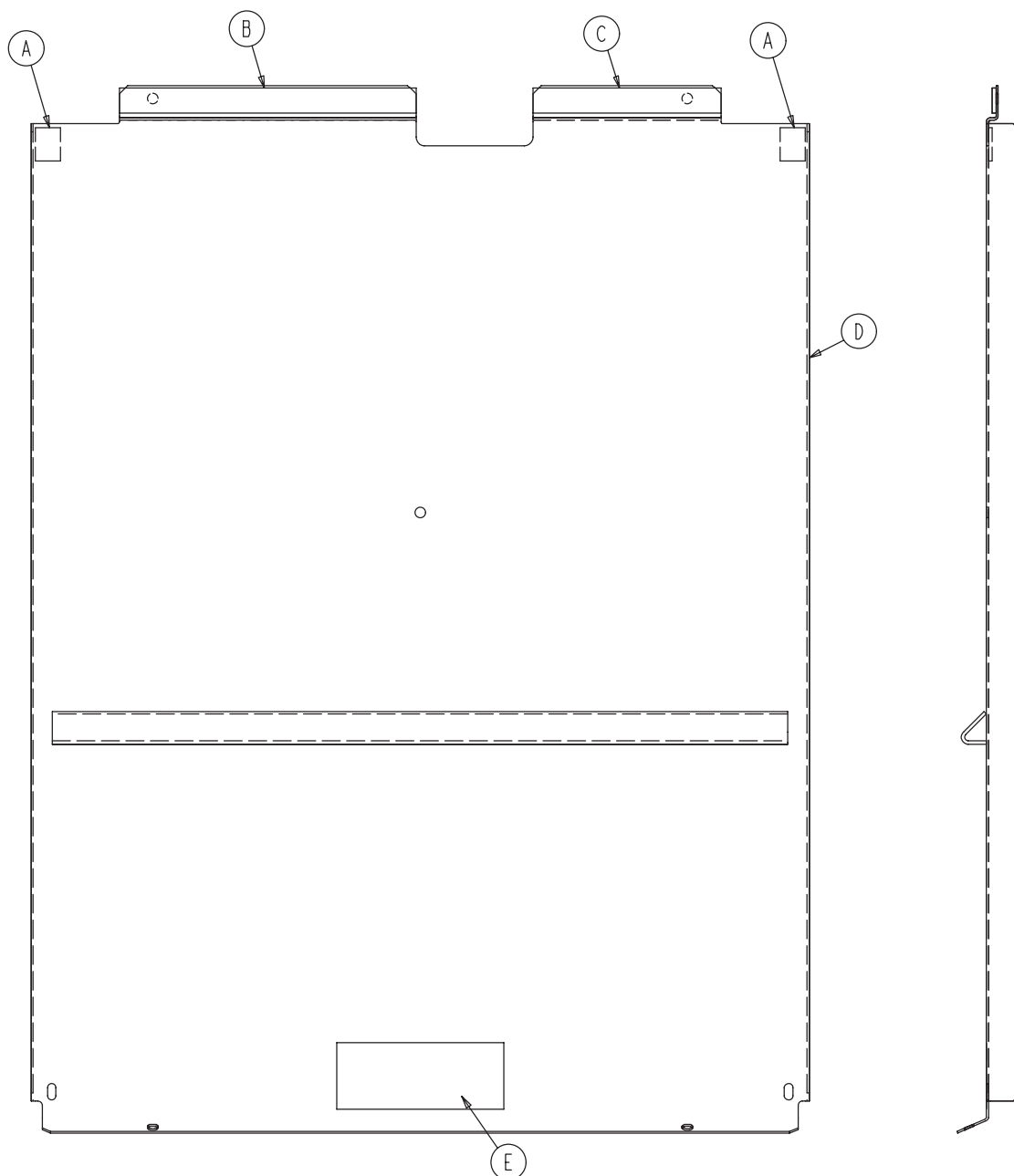
# Litter CPU Cover Assembly - 3001-300-097



| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 3001-300-098 | CPU Cover             | 1    |
| B    | 7900-001-291 | Foam Tape (21.38")    | 1    |
| C    | 7900-001-291 | Foam Tape (12.25")    | 2    |
| D    | 7900-001-291 | Foam Tape (5.75")     | 1    |
| E    | 3001-300-663 | Velcro Strip          | 2    |
| F    | 0988-002-708 | Service Caution Label | 1    |
| G    | 7900-001-291 | Foam Tape (11.75")    | 1    |
| H    | 7900-001-291 | Foam Tape (4.25")     | 1    |

## Foot Cover Assembly, Standard Bed - 3003-300-042

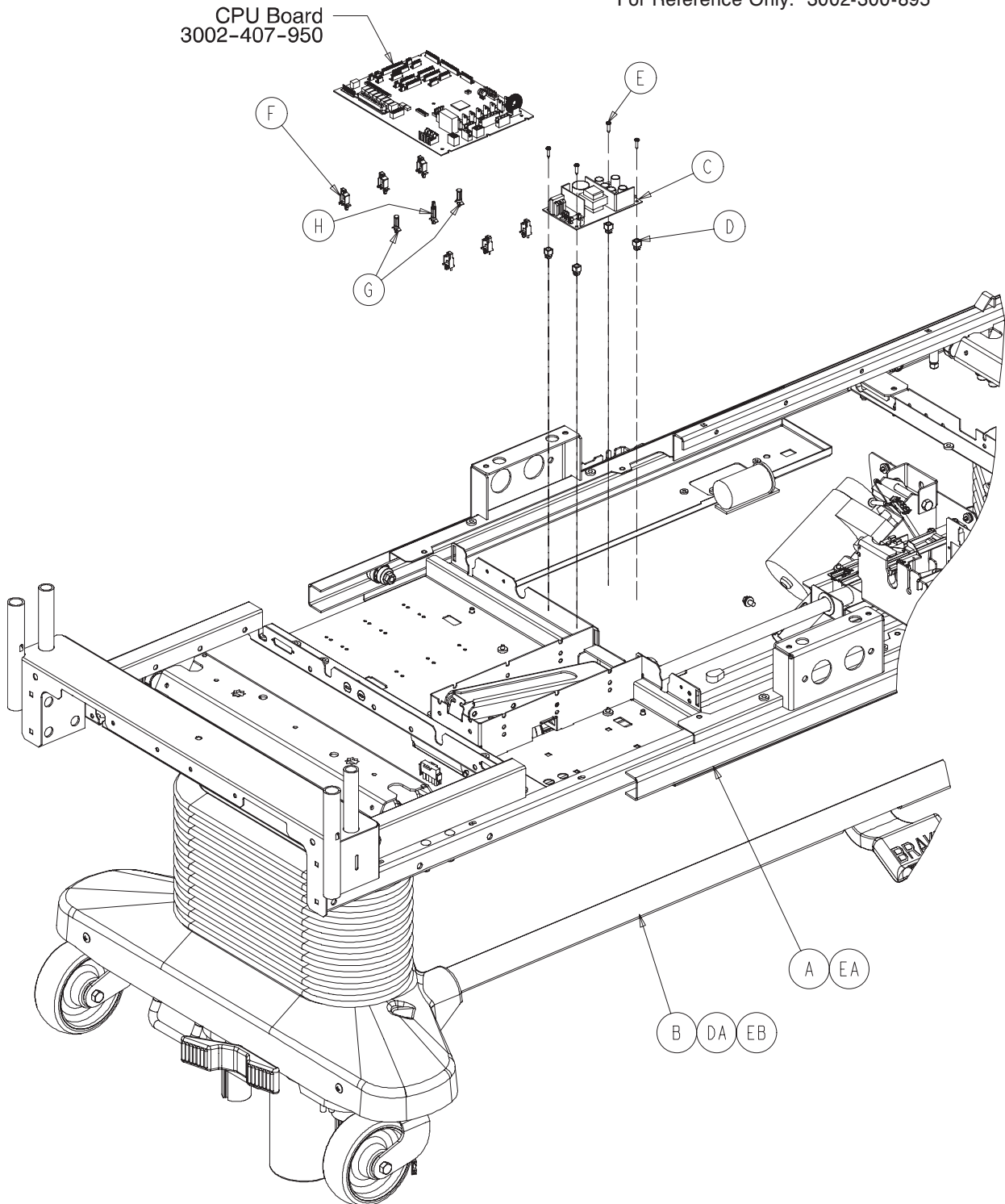
## Foot Cover Assembly, 8" Shorter Bed - 3001-342-041



| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 7900-001-291 | Foam Tape (5.63")           | 1    |
| B    | 7900-001-291 | Foam Tape (8.88")           | 1    |
| C    | 7900-001-291 | Foam Tape (1")              | 4    |
| D    | 3003-300-043 | Foot Cover (Standard)       | 1    |
|      | 3001-342-042 | Foot Cover (8" Shorter Bed) | 1    |
| E    | 0988-002-708 | Service Caution Label       | 1    |

# Electrical Litter Assembly

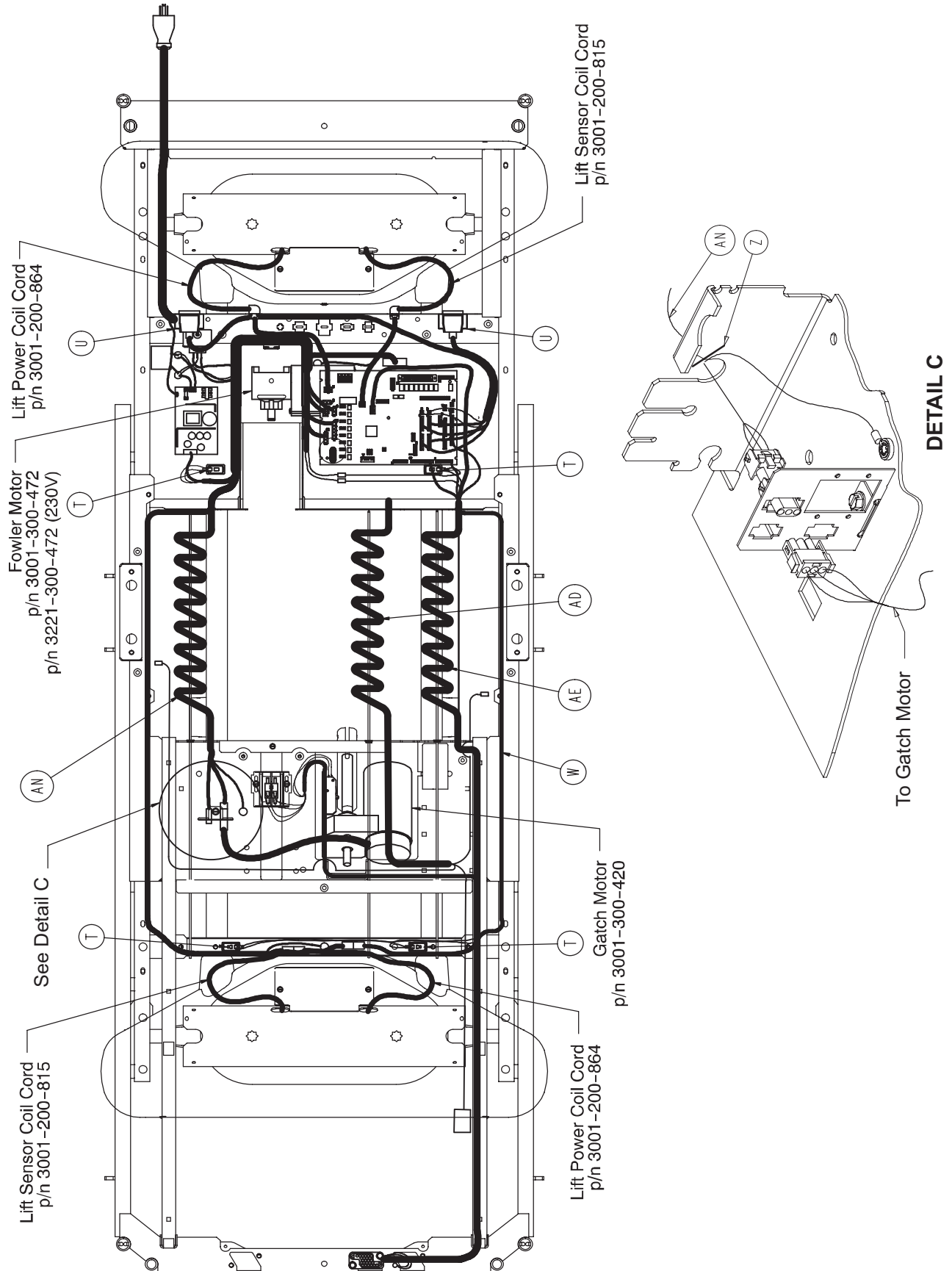
For Reference Only: 3002-300-895



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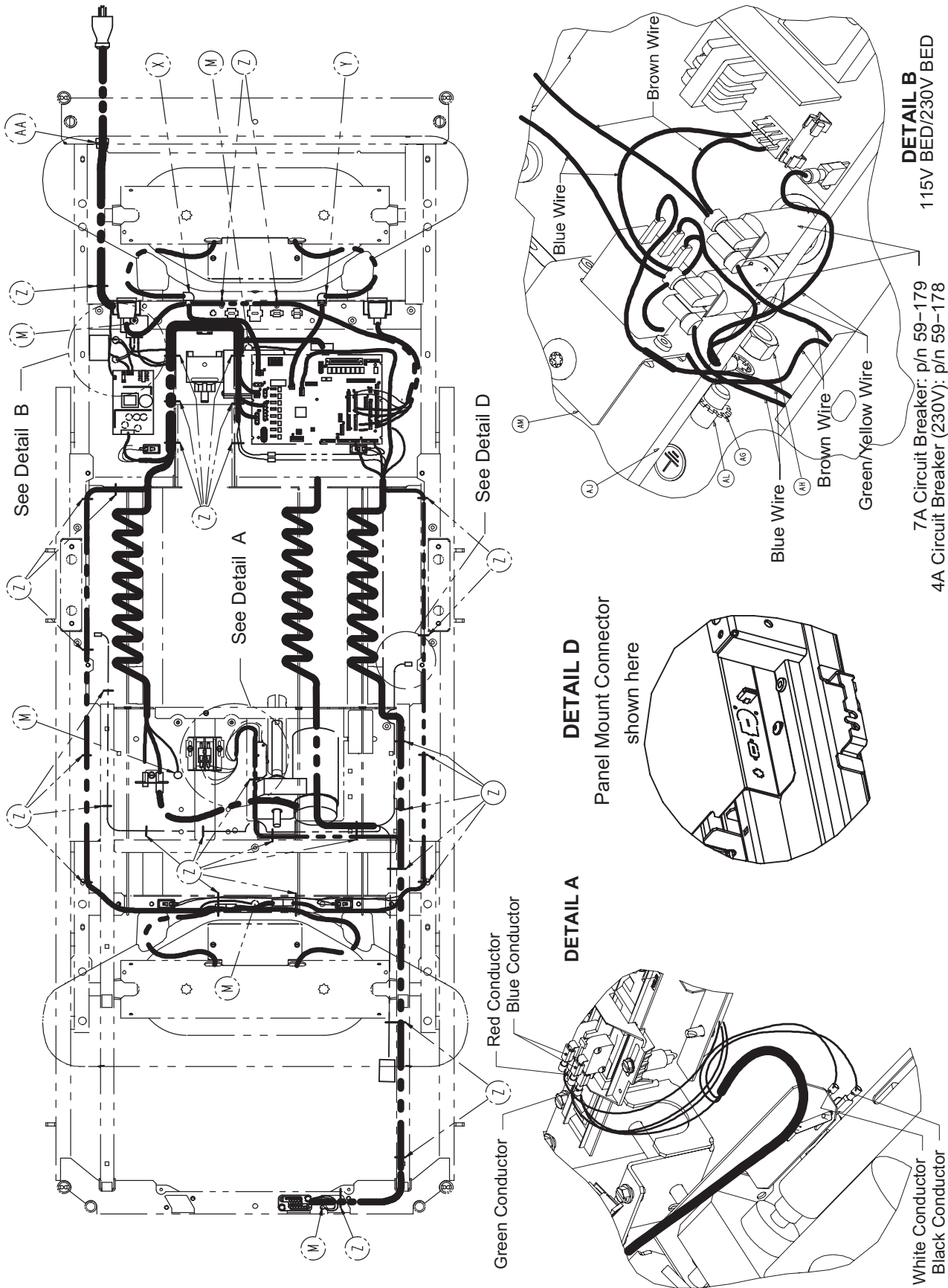


# Electrical Litter Assembly

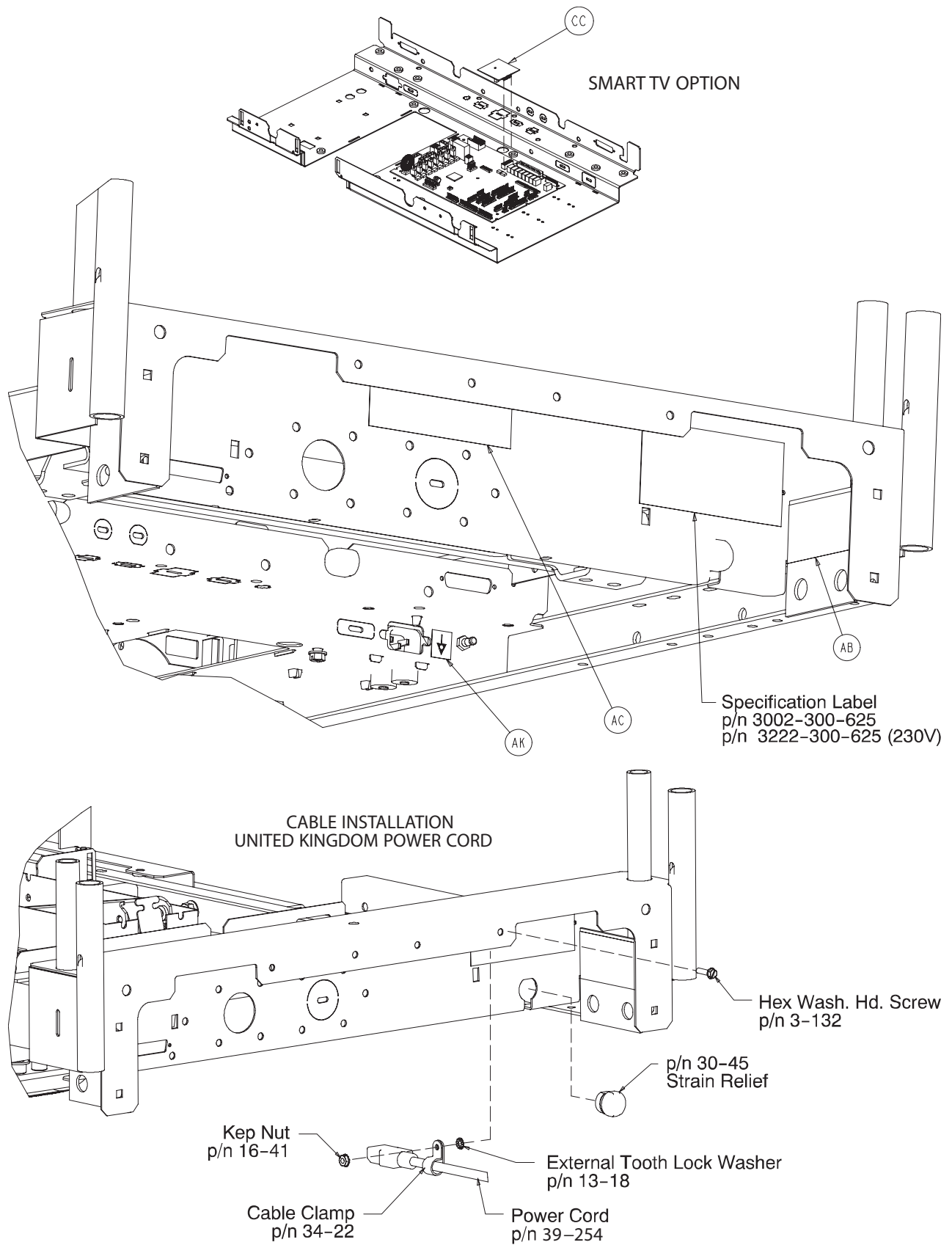


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# Electrical Litter Assembly



# Electrical Litter Assembly



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# Electrical Litter Assembly

## Electrical Litter Assembly - Common Components - 3002-300-895 (Reference Only)

| Item | Part No.     | Part Name                                    | Qty. | Item | Part No.     | Part Name                 | Qty. |
|------|--------------|--|------|------|--------------|---------------------------|------|
| A    | 3002-300-197 | <a href="#">Litter Ass'y, Mech. (pg.165)</a> | 1    | T    | 3000-300-058 | Switch Plunger            | 4    |
| B    | 3002-200-003 | <a href="#">Base Assembly (pg.106)</a>       | 1    | U    | 3001-300-877 | Siderail Extension Cable  | 1    |
| C    | 0059-157-000 | Power Supply                                 | 1    | W    | 3001-300-865 | Mot. Int. Lift Sen. Cable | 1    |
| D    | 0052-287-000 | Grommet                                      | 4    | X    | 0030-048-000 | Strain Relief             | 1    |
| E    | 0023-138-000 | Ph. Hd. Screw                                | 4    | Y    | 0030-047-000 | Strain Relief             | 1    |
| F    | 0059-745-000 | Board Mount                                  | 6    | Z    | 3000-300-113 | Cable Tie                 | 34   |
| G    | 0059-773-000 | Push Spacer                                  | 2    | AA   | 0030-027-000 | Strain Relief             | 1    |
| H    | 0059-774-000 | Locking Circuit Bd. Supt.                    | 1    | AB   | 2011-001-104 | Warning Label             | 1    |
| J    | 3001-200-228 | Mounting StandOff                            | 2    | AC   | 1550-090-001 | Hosp. Grade Plug Label    | 1    |
| K    | 3001-300-007 | Screw  | 4    | AD   | 3002-345-808 | Siderail Coil Cable       | 1    |
| L    | 3001-300-088 | Mid Litter Cover Ass'y                       | 1    | AF   | 3002-300-874 | Litter Ground Jumper      | 2    |
| M    | 0007-053-000 | Truss Hd. Torx Screw                         | 13   | AG   | 0013-038-000 | Lock Washer               | 1    |
| N    | 0013-010-000 | Ext. Tooth Lock Washer                       | 6    | AH   | 0016-033-000 | Keyp Nut                  | 1    |
| P    | 3001-300-023 | Cross Support Cover                          | 1    | AJ   | 0036-046-000 | Ground Label              | 1    |
| R    | 0052-822-000 | Nyliner Bearing                              | 3    | AK   | 0036-115-000 | Ground Label              | 1    |
| S    | 3001-300-011 | Guide Rod                                    | 3    | AL   | 2011-001-215 | Grounding Lug             | 1    |
|      |              |  |      | AN   | 3002-300-861 | Power Harness             | 1    |
|      |              |  |      | AP   | 3002-300-601 | Foley Bag Hook Label      | 2    |

### Standard Bed - 3002-343-895 (Reference Only)

| Item | Part No.     | Part Name                                    | Qty. |
|------|--------------|--|------|
| A    | 3002-300-197 | <a href="#">Litter Ass'y, Mech. (pg.165)</a> | 1    |
| B    | 3002-001-003 | <a href="#">Base Assembly (pg.106)</a>       | 1    |
| AE   | 3002-300-866 | Litter Signal Coil Cable                     | 1    |
| AM   | 3002-300-881 | Power Inlet Cable                            | 1    |

### 8" Shorter Bed - 3002-342-895 (Reference Only)

| Item | Part No.     | Part Name                                    | Qty. |
|------|--------------|--|------|
| A    | 3002-300-197 | <a href="#">Litter Ass'y, Mech. (pg.165)</a> | 1    |
| B    | 3002-200-003 | <a href="#">Base Assembly (pg.106)</a>       | 1    |
| AE   | 3002-300-866 | Litter Signal Coil Cable                     | 1    |
| AM   | 3002-300-881 | Power Inlet Cable                            | 1    |

### Zoom Option - 3002-344-895 (Reference Only)

| Item | Part No.     | Part Name                                    | Qty. |
|------|--------------|--|------|
| A    | 3002-300-197 | <a href="#">Litter Ass'y, Mech. (pg.165)</a> | 1    |
| B    | 3002-200-003 | <a href="#">Base Assembly (pg.106)</a>       | 1    |
| AE   | 3002-300-866 | Litter Signal Coil Cable                     | 1    |
| AM   | 3002-300-881 | Power Inlet Cable                            | 1    |

### Zoom 8" Shorter Bed Option - 3002-346-895 (Ref. Only)

| Item | Part No.     | Part Name                                    | Qty. |
|------|--------------|--|------|
| A    | 3002-300-197 | <a href="#">Litter Ass'y, Mech. (pg.165)</a> | 1    |
| B    | 3002-200-003 | <a href="#">Base Assembly (pg.106)</a>       | 1    |
| AE   | 3002-300-866 | Litter Signal Coil Cable                     | 1    |
| AM   | 3002-300-881 | Power Inlet Cable                            | 1    |

### Smart TV Option - 3002-999-229 (Reference Only)

| Item | Part No.     | Part Name      | Qty. |
|------|--------------|----------------|------|
| CC   | 3002-039-800 | Smart TV Board | 1    |

### Smart TV Interface w/Relays Option - 3002-346-895 (Ref. Only)

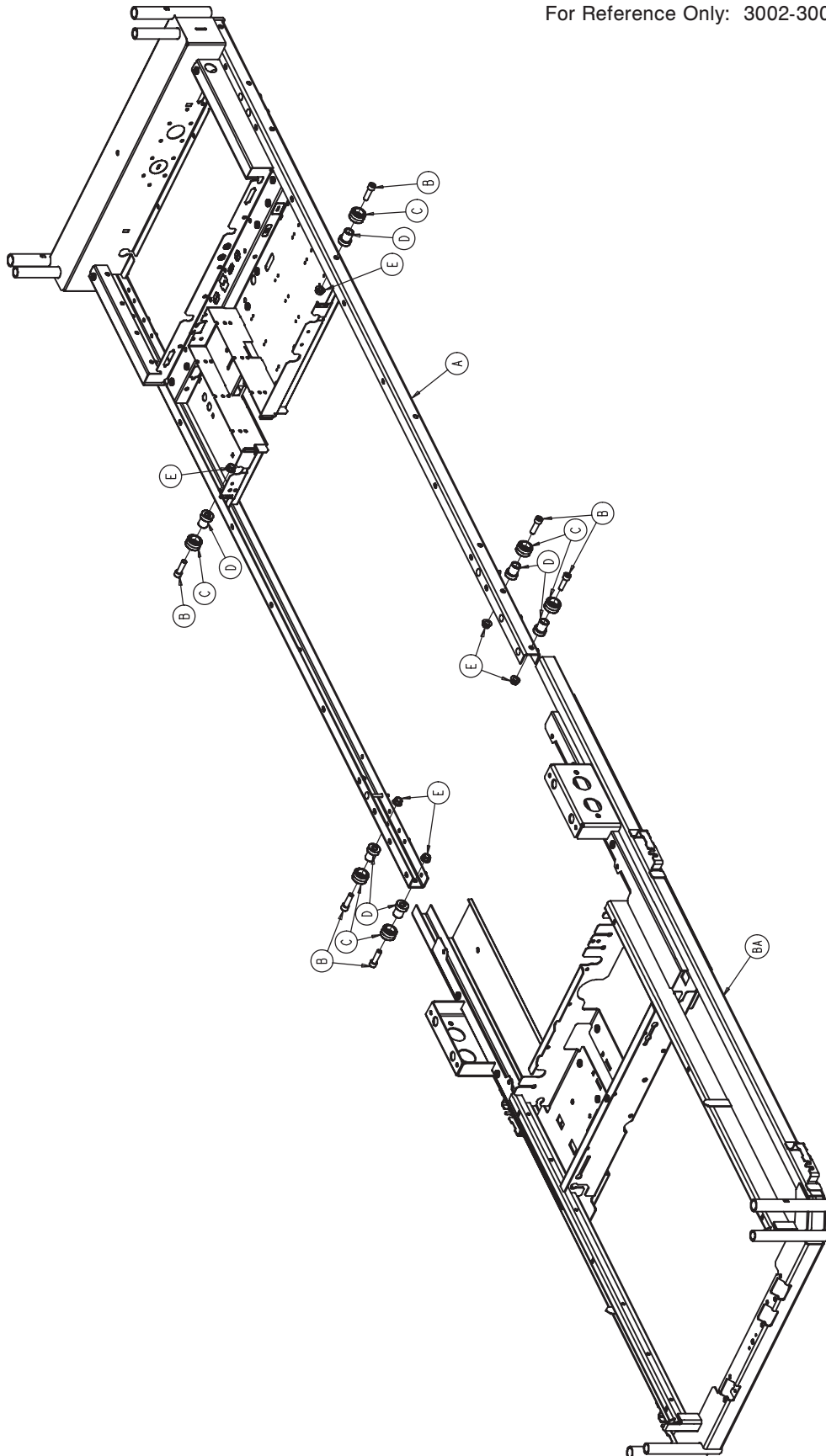
| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| CA   | 0059-727-000 | Jackscrew               | 2    |
| CB   | 2035-232-806 | Smart TV Control Cable  | 1    |
| CC   | 3001-330-980 | Smart TV Plug/PCB Ass'y | 1    |

### Battery Backup Option - 3002-350-110 (Reference Only)

| Item | Part No.     | Part Name                                    | Qty. |
|------|--------------|--|------|
| A    | 3002-300-197 | <a href="#">Litter Ass'y, Mech. (pg.165)</a> | 1    |
| B    | 3002-200-003 | <a href="#">Base Assembly (pg.106)</a>       | 1    |
| AE   | 3002-300-866 | Litter Signal Coil Cable                     | 1    |
| EA   | 3002-450-150 | <a href="#">Enclosure Assembly (pg.198)</a>  | 1    |
| EB   | 3002-350-170 | <a href="#">Base Assembly (pg.142)</a>       | 1    |
| AM   | 3002-300-881 | Power Inlet Cable                            | 1    |

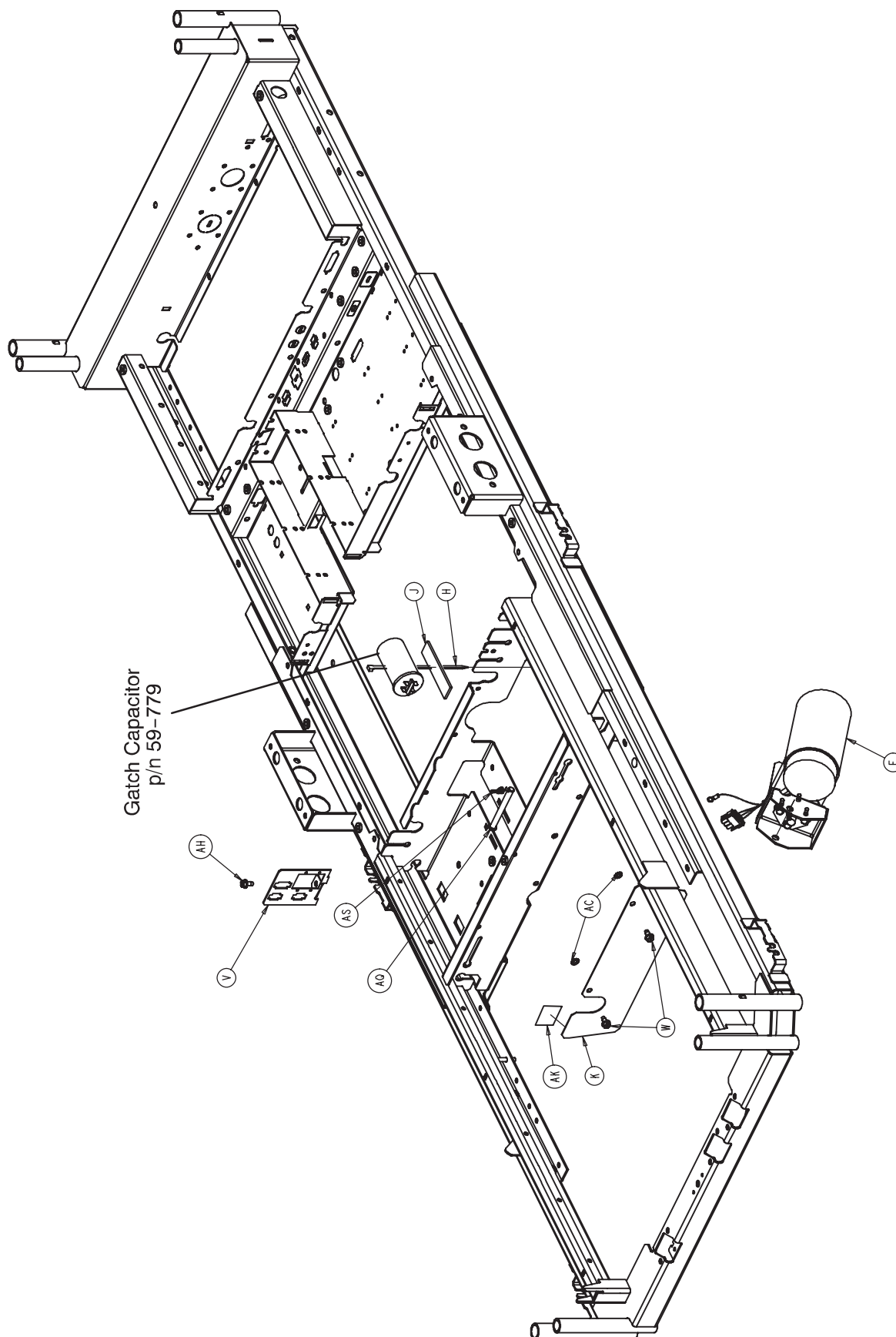
# Mechanical Litter Assembly

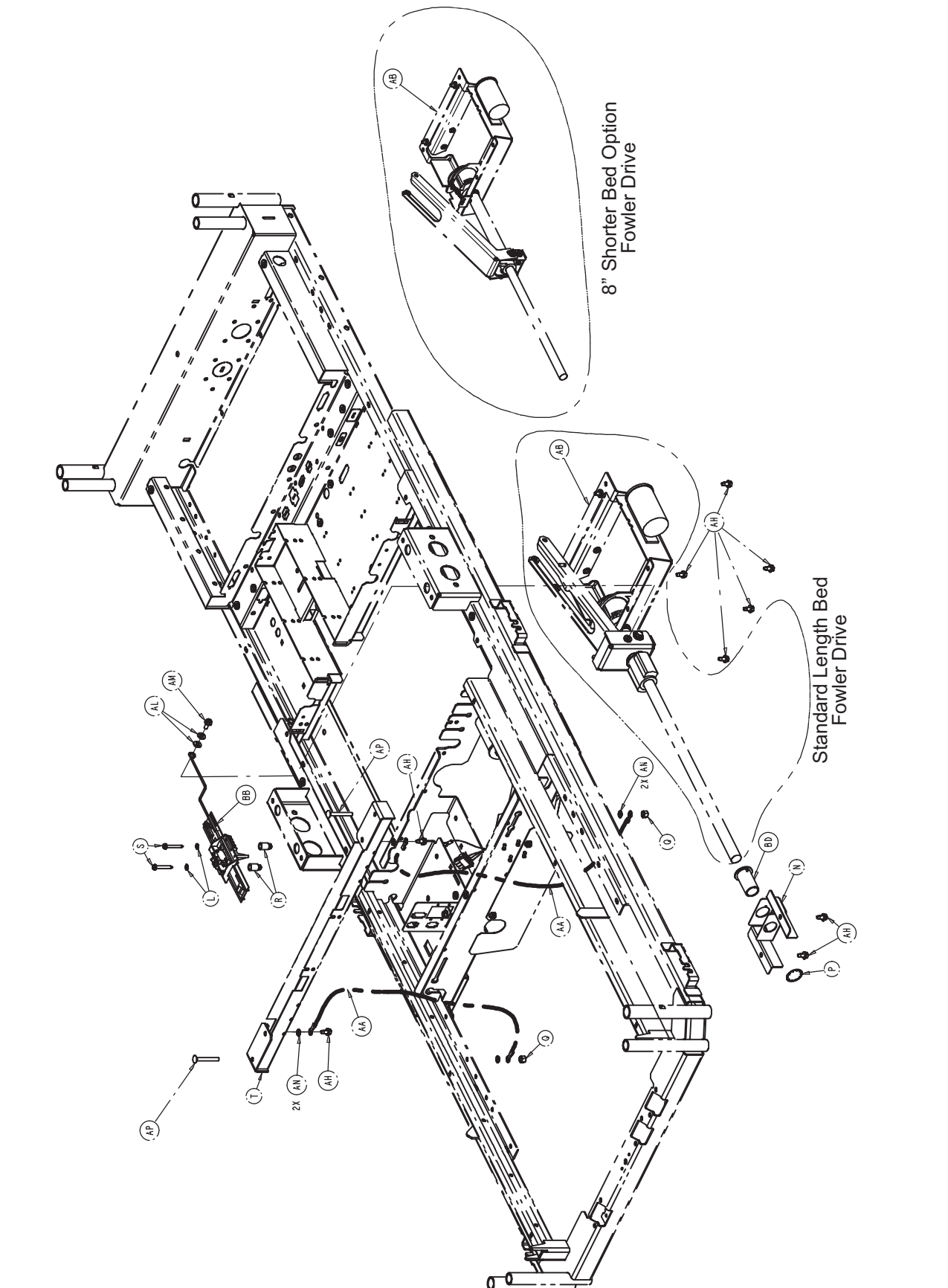
For Reference Only: 3002-300-197



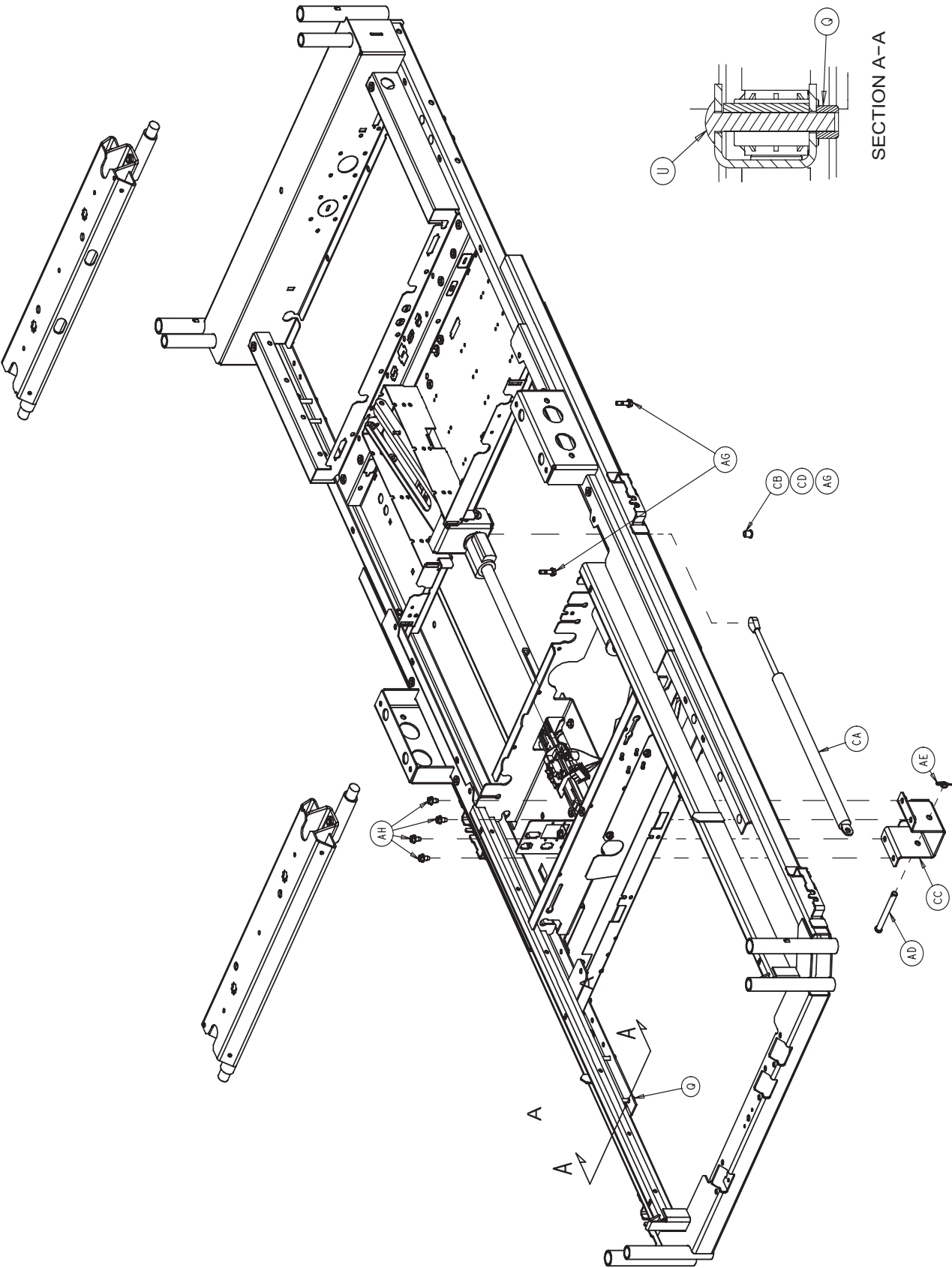
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# Mechanical Litter Assembly





# Mechanical Litter Assembly



# Mechanical Litter Assembly

## Mechanical Litter Assembly Common Components - 3002-300-197 (Reference only)

| Item | Part No.     | Part Name                                  | Qty. | Item | Part No.     | Part Name                                   | Qty. |
|------|--------------|--|------|------|--------------|---|------|
| A    | 3002-300-303 | Stationary Frame Ass'y                     | 1    | U    | 0005-046-000 | Carriage Bolt                               | 8    |
| B    | 0004-211-000 | Soc. Hd. Cap Screw                         | 6    | V    | 3001-300-269 | Mounting Bracket                            | 1    |
| C    | 3000-300-353 | Roller                                     | 6    | W    | 0003-221-000 | Truss Hd. Screw                             | 2    |
| D    | 3000-300-352 | Roller Shaft                               | 6    | AA   | 3002-300-870 | Litter Ground Jumper                        | 2    |
| E    | 0016-093-000 | Flange Lock Nut                            | 6    | AB   | 3002-400-550 | <a href="#">Fowler Drive Ass'y (pg.174)</a> | 1    |
| F    | 3001-300-420 | <a href="#">Gatch Motor Ass'y (pg.172)</a> | 1    | AC   | 0013-010-000 | Ext. Tooth Lock Washer                      | 2    |
| H    | 0038-151-000 | 11" Cable Tie                              | 1    | AG   | 3001-200-229 | Mounting Standoff                           | 2    |
| J    | 0044-029-000 | Double-Sided Tape                          | 1    | AH   | 0003-221-000 | Hex Washer Hd. Screw                        | 10   |
| K    | 3001-300-417 | Gatch Shield                               | 1    | AK   | 7900-001-291 | Vibration Tape                              | 1"   |
| L    | 0013-018-000 | Ext. Tooth Lock Washer                     | 2    | AL   | 0011-063-000 | Washer                                      | 2    |
| N    | 3002-300-491 | Screw Support Bracket                      | 1    | AM   | 0003-121-000 | Hex Washer Hd. Screw                        | 1    |
| P    | 0028-122-000 | Retaining Ring                             | 1    | AN   | 0013-010-000 | Int. Tooth Lock Washer                      | 4    |
| Q    | 0016-006-000 | Kep Nut                                    | 10   | AP   | 0005-024-000 | Carriage Bolt                               | 2    |
| R    | 0052-800-000 | Grommet                                    | 2    | AQ   | 0026-279-000 | Clevis Pin                                  | 1    |
| S    | 0023-251-000 | Hex Washer Hd. Screw                       | 2    | AR   | 0011-529-000 | Adhesive Rubber Washer                      | 1    |
| T    | 3001-300-370 | Cross Support Ass'y                        | 1    | AS   | 0027-022-000 | 3/8" Rue Ring Cotter                        | 1    |

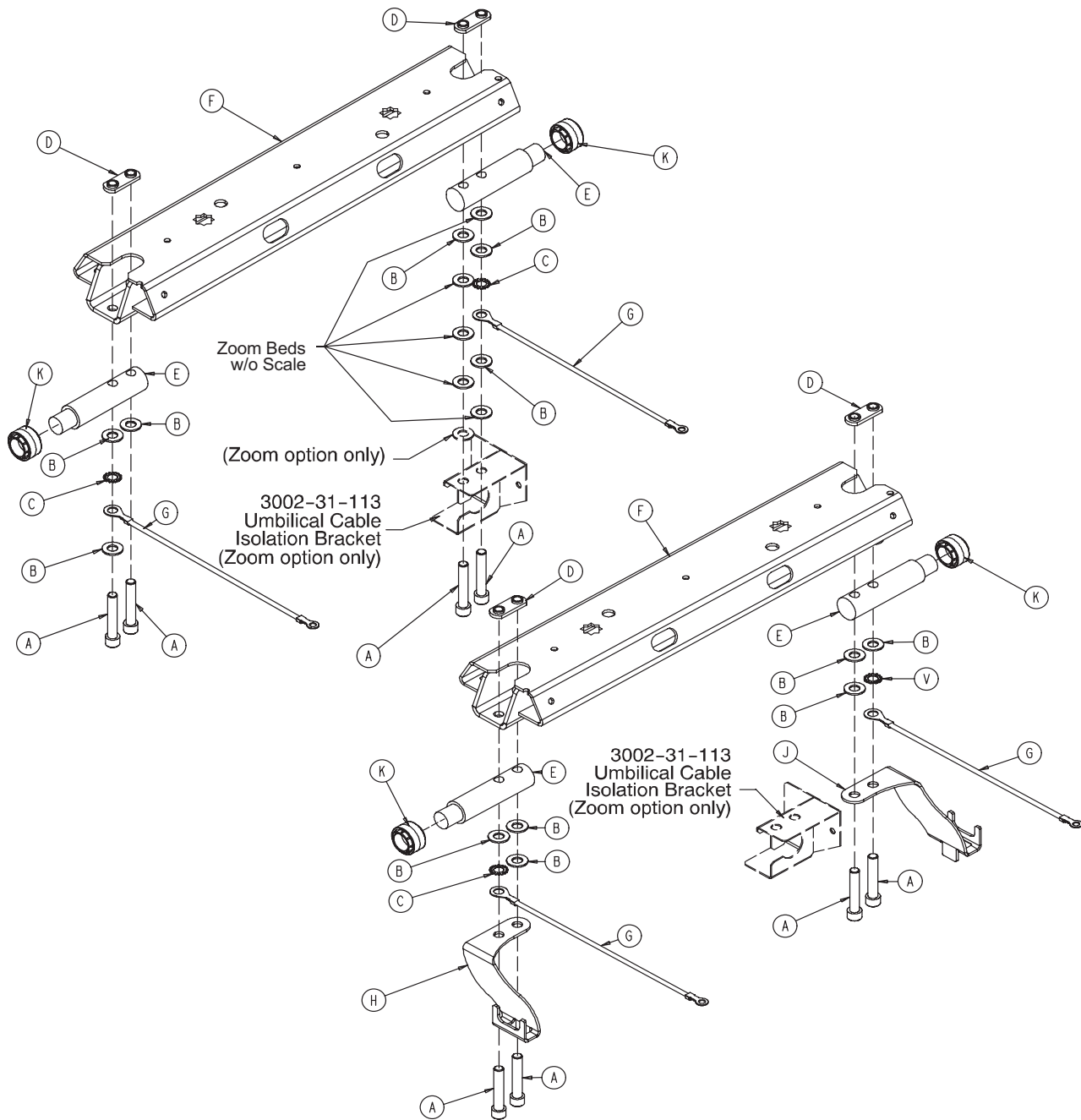
## Standard Bed - 3002-343-197 (Reference Only)

| Item | Part No.     | Part Name                                   | Qty. |
|------|--------------|---|------|
| AB   | 3002-400-550 | <a href="#">Fowler Drive Ass'y (pg.174)</a> | 1    |
| BA   | 3003-300-204 | Moving Frame Assembly                       | 1    |
| BB   | 3002-343-035 | <a href="#">Fowler Limit Ass'y (pg.176)</a> | 1    |
| BD   | 3000-300-009 | Screw Support Bushing                       | 1    |

## 8" Shorter Bed - 3002-342-197 (Reference Only)

| Item | Part No.     | Part Name                                   | Qty. |
|------|--------------|---|------|
| AB   | 3002-400-550 | <a href="#">Fowler Drive Ass'y (pg.174)</a> | 1    |
| AD   | 0026-279-000 | Clevis Pin                                  | 1    |
| AE   | 0027-022-000 | Rue Cotter Pin                              | 1    |
| AG   | 3001-200-228 | Mounting StandOff                           | 1    |
| AH   | 0003-221-000 | Hex Washer Hd. Screw                        | 4    |
| BA   | 3002-342-204 | Moving Frame Assembly                       | 1    |
| BB   | 3002-342-025 | <a href="#">Fowler Limit Ass'y (pg.177)</a> | 1    |
| BD   | 3001-342-009 | Screw Support Bushing                       | 1    |
| CA   | 0052-819-000 | Dampener Cylinder                           | 1    |
| CB   | 0052-818-000 | Flange Bearing                              | 1    |
| CC   | 3001-345-489 | Cylinder Mtg. Bracket                       | 1    |
| CD   | 0011-002-000 | Flat Washer                                 | 1    |

# Lift Header Assembly - No Load Cells



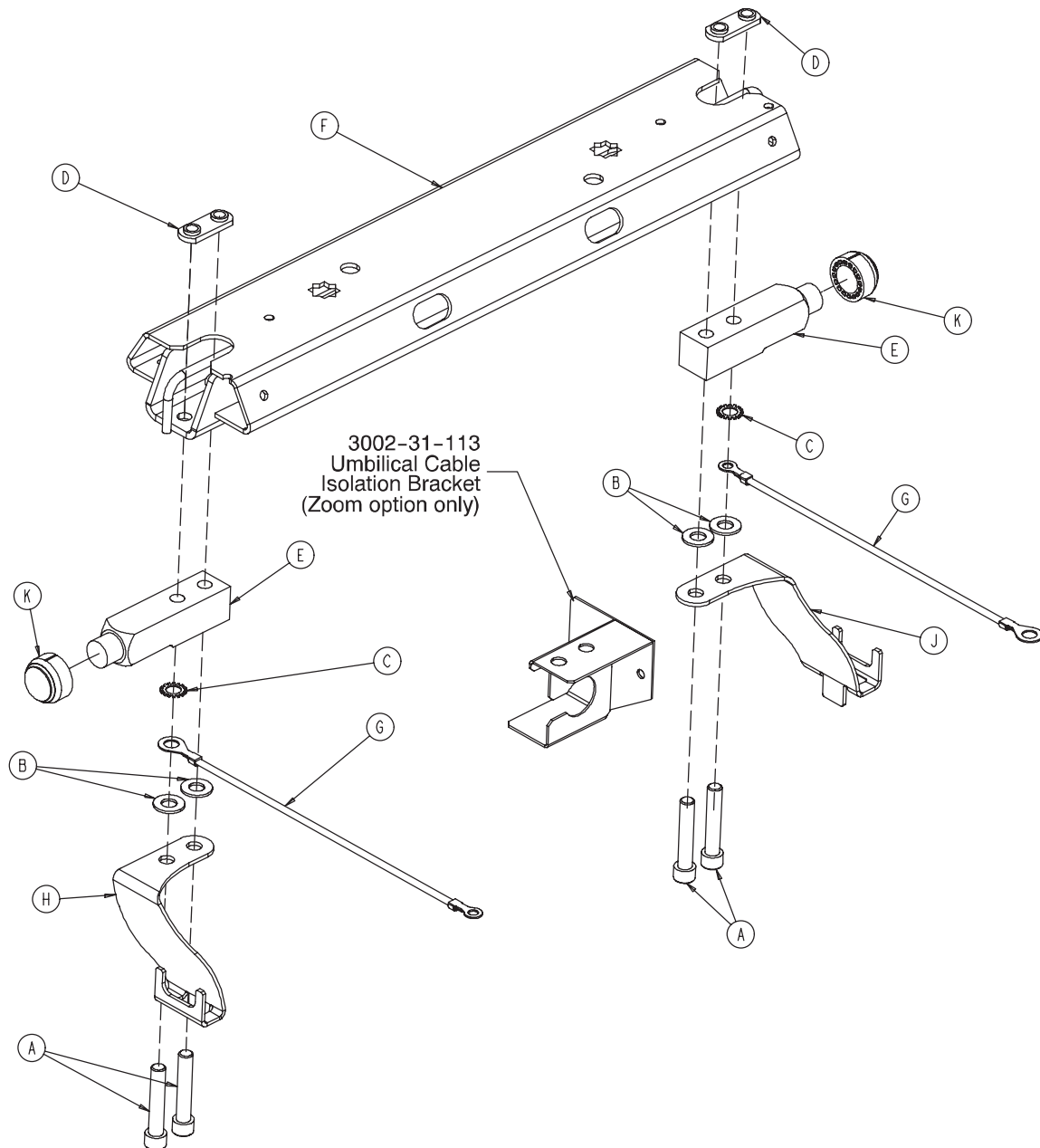
## Lift Header - Standard Bed - 3002-300-500

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0004-288-000 | Hex Soc. Hd. Cap Screw | 4    |
| B    | 0011-004-000 | Flat Washer            | 6    |
| C    | 0013-032-000 | Ext. Tooth Lock Washer | 2    |
| D    | 3002-300-509 | Weldnut                | 2    |
| E    | 3001-300-511 | "Imitation" Load Cell  | 2    |
| F    | 3001-300-530 | Lift Header            | 1    |
| G    | 3002-300-871 | Ground Jumper          | 2    |
| H    | 3000-300-353 | Roller Cap             | 2    |

## Lift Header - Std. Bed/Iso. Foley Bags - 3002-326-550

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 0004-288-000 | Hex Soc. Hd. Cap Screw    | 4    |
| B    | 0011-004-000 | Flat Washer               | 2    |
| C    | 0013-032-000 | Ext. Tooth Lock Washer    | 2    |
| D    | 3002-300-509 | Weldnut                   | 2    |
| E    | 3002-300-511 | "Imitation" Load Cell     | 2    |
| F    | 3001-300-530 | Lift Header               | 1    |
| G    | 3002-300-871 | Ground Jumper             | 2    |
| H    | 3002-326-010 | Iso. Foley Bag Ass'y, Lt. | 1    |
| J    | 3002-326-020 | Iso. Foley Bag Ass'y, Rt. | 1    |
| H    | 3000-300-353 | Roller Cap                | 2    |

# Lift Header Assembly with Load Cells



**Lift Header - Load Cells - 3002-307-501**

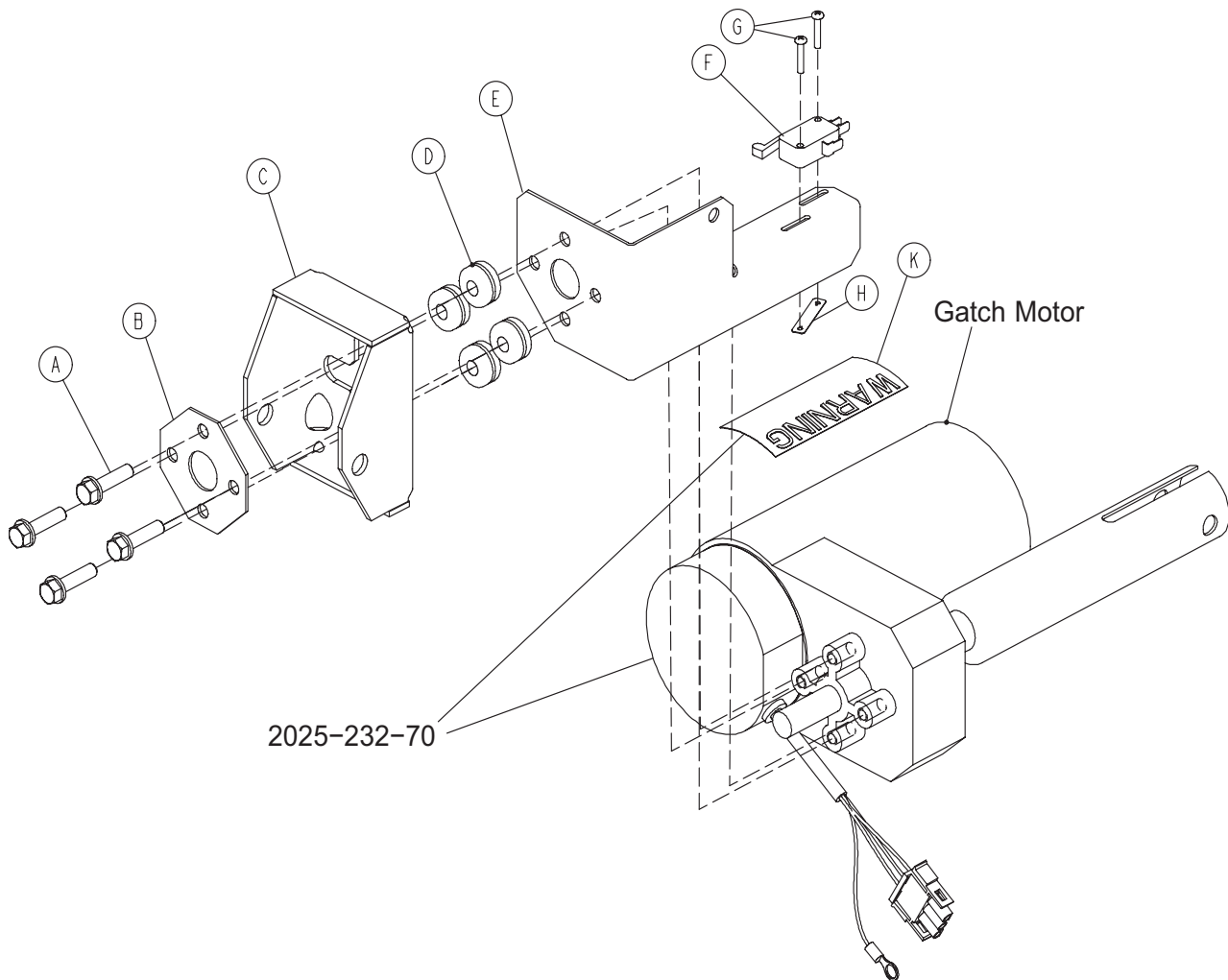
| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0004-288-000 | Hex Soc. Hd. Cap Screw | 4    |
| B    | 0011-004-000 | Flat Washer            | 4    |
| C    | 0013-032-000 | Ext. Tooth Lock Washer | 2    |
| D    | 3001-300-509 | Weldnut                | 2    |
| E    | 3002-307-057 | Load Cell              | 2    |
| F    | 3001-300-530 | Lift Header            | 1    |
| G    | 3002-300-871 | Ground Jumper          | 2    |
| K    | 3000-300-353 | Roller Cap             | 2    |

**Lift Hdr - Load Cells/Iso. Foley Hooks - 3002-326-501**

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 0004-288-000 | Hex. Soc. Hd. Cap Screw   | 4    |
| B    | 0011-004-000 | Flat Washer               | 4    |
| C    | 0013-032-000 | Ext. Tooth Lock Washer    | 2    |
| D    | 3002-300-509 | Weldnut                   | 2    |
| E    | 3002-307-057 | Load Cell                 | 2    |
| F    | 3001-300-530 | Lift Header               | 1    |
| G    | 3002-300-871 | Ground Jumper             | 2    |
| J    | 3002-326-010 | Iso. Foley Bag Ass'y, Lt  | 1    |
| K    | 3002-326-020 | Iso. Foley Bag Ass'y, Rt. | 1    |
| H    | 3000-300-353 | Roller Cap                | 2    |

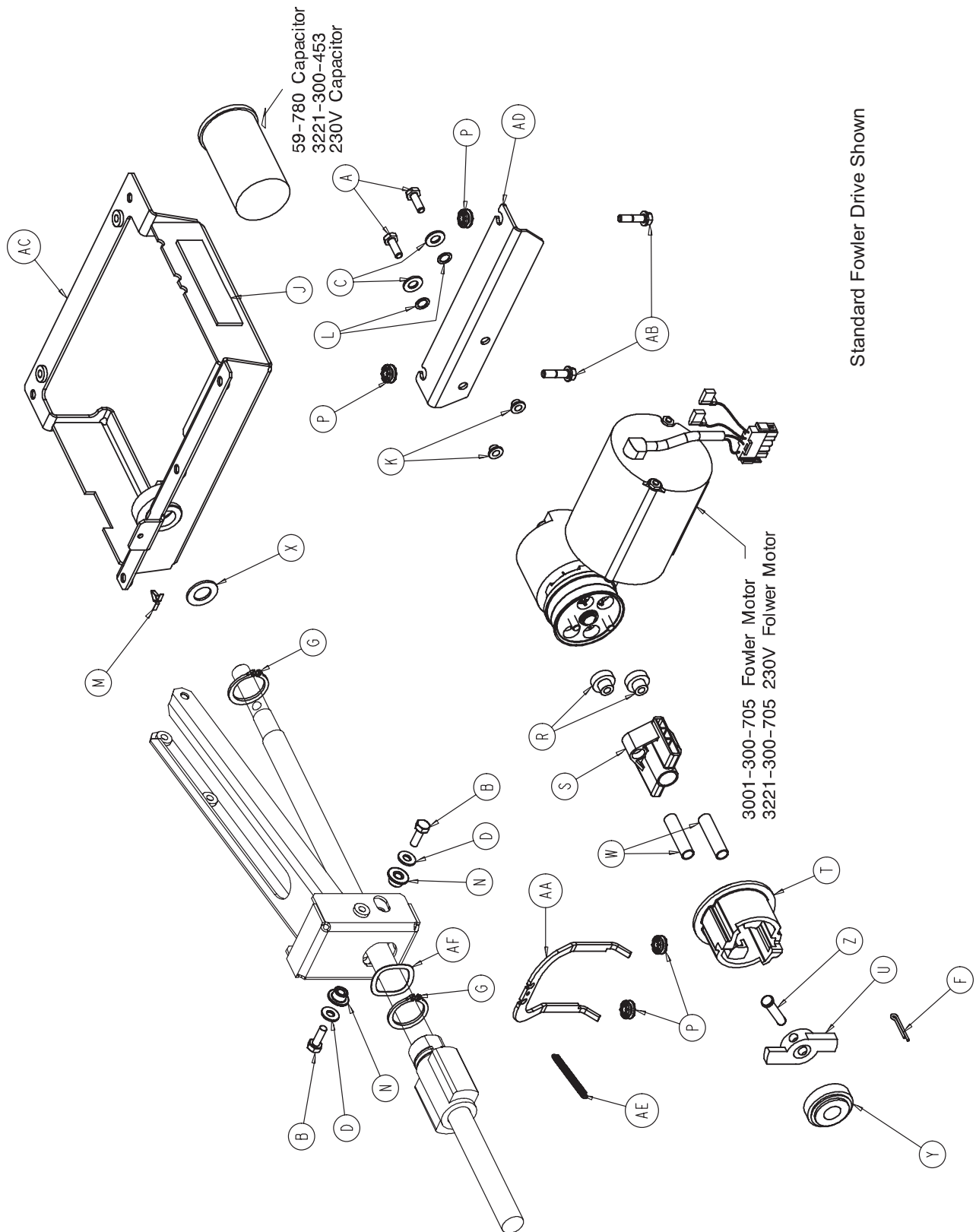
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# Gatch Motor Assembly - 3001-300-420



| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 3001-200-228 | Mounting Standoff          | 4    |
| B    | 3001-300-499 | Gatch Motor Mounting Plate | 1    |
| C    | 3001-300-225 | Motor Mount Bracket        | 1    |
| D    | 0052-817-000 | Grommet                    | 4    |
| E    | 3001-300-421 | Gatch Limit Bracket        | 1    |
| F    | 3000-300-041 | Micro Switch               | 1    |
| G    | 0002-107-000 | Phillips Round Hd. Screw   | 2    |
| H    | 0016-069-000 | Twin-Type Fastener         | 1    |
| K    | 3000-300-604 | Warning Label              | 1    |
| L    | 3000-300-114 | Wire Tie (not shown)       | 1    |

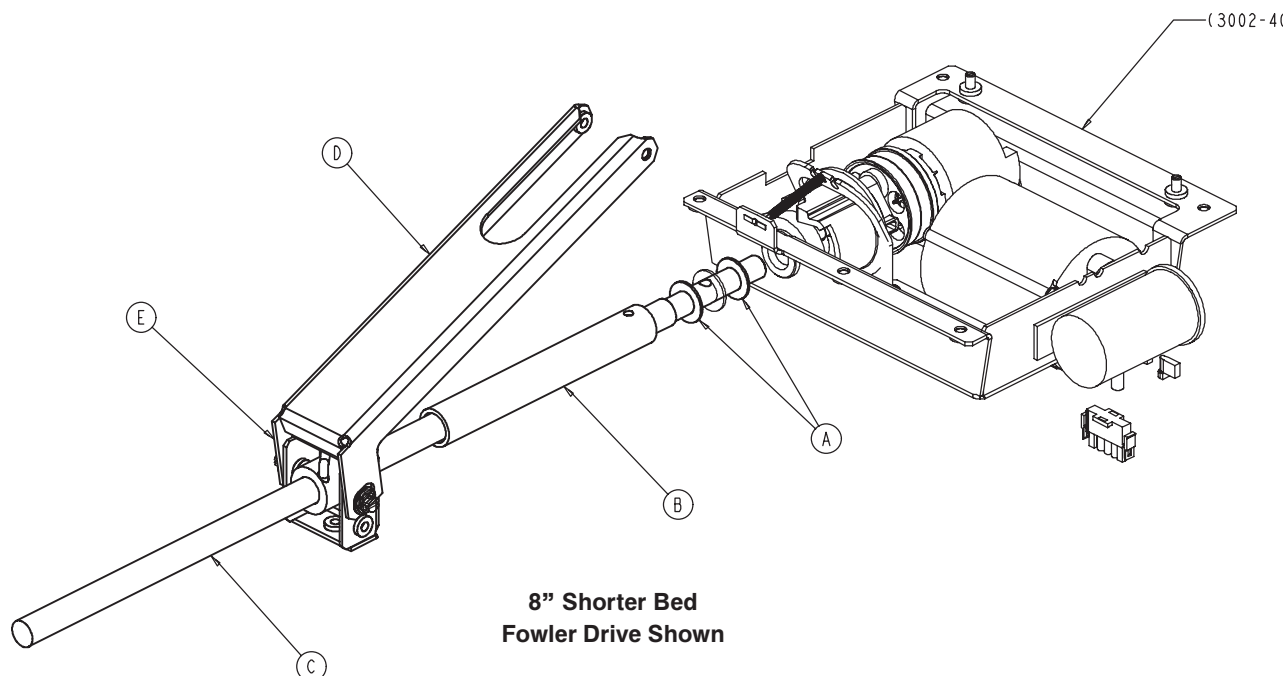
# Fowler Driver Assembly - 3002-400-550



Standard Fowler Drive Shown

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# Fowler Drive Assembly - 3002-400-550



## Fowler Actuator Common Components - 3002-400-550

| Item | Part No.     | Part Name               | Qty. | Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|------|--------------|-------------------------|------|
| A    | 0003-214-000 | Hex Hd. Cap Screw       | 2    | S    | 3000-300-456 | CPR Isolator            | 1    |
| B    | 0003-050-000 | Hex Washer Hd. Screw    | 2    | T    | 3000-300-461 | CPR Decoupler           | 1    |
| C    | 0011-003-000 | Flat Washer             | 2    | U    | 3000-300-462 | CPR Wing                | 1    |
| D    | 0011-002-000 | Flat Washer             | 2    | W    | 3000-300-464 | CPR Engagement Spring   | 2    |
| F    | 0027-017-000 | Cotter Pin              | 1    | X    | 3000-300-466 | Thrust Bearing          | 1    |
| G    | 0028-120-000 | External Retaining Ring | 2    | Z    | 3000-300-473 | Clevis Pin              | 1    |
| H    | 0038-151-000 | Cable Tie               | 2    | AA   | 3000-300-658 | CPR Release Arm         | 1    |
| J    | 0044-029-000 | Double-Stick Tape       | 1    | AB   | 3001-200-228 | Mounting Standoff       | 2    |
| K    | 0052-718-000 | Nylon Insulator         | 2    | AC   | 3001-300-485 | Fowler Actuator Wldmt.  | 1    |
| L    | 0052-719-000 | Nylon Flat Washer       | 2    | AD   | 3001-300-487 | Actuator Mounting Brkt. | 1    |
| M    | 0029-021-000 | Dart Clip               | 1    | AE   | 3001-300-664 | CPR Spring              | 1    |
| N    | 3000-300-099 | Litter Pivot Bushing    | 2    | AF   | 0038-478-000 | Wave Spring             | 1    |
| P    | 3000-300-442 | Fowler Drive Grommet    | 4    |      |              |                         |      |

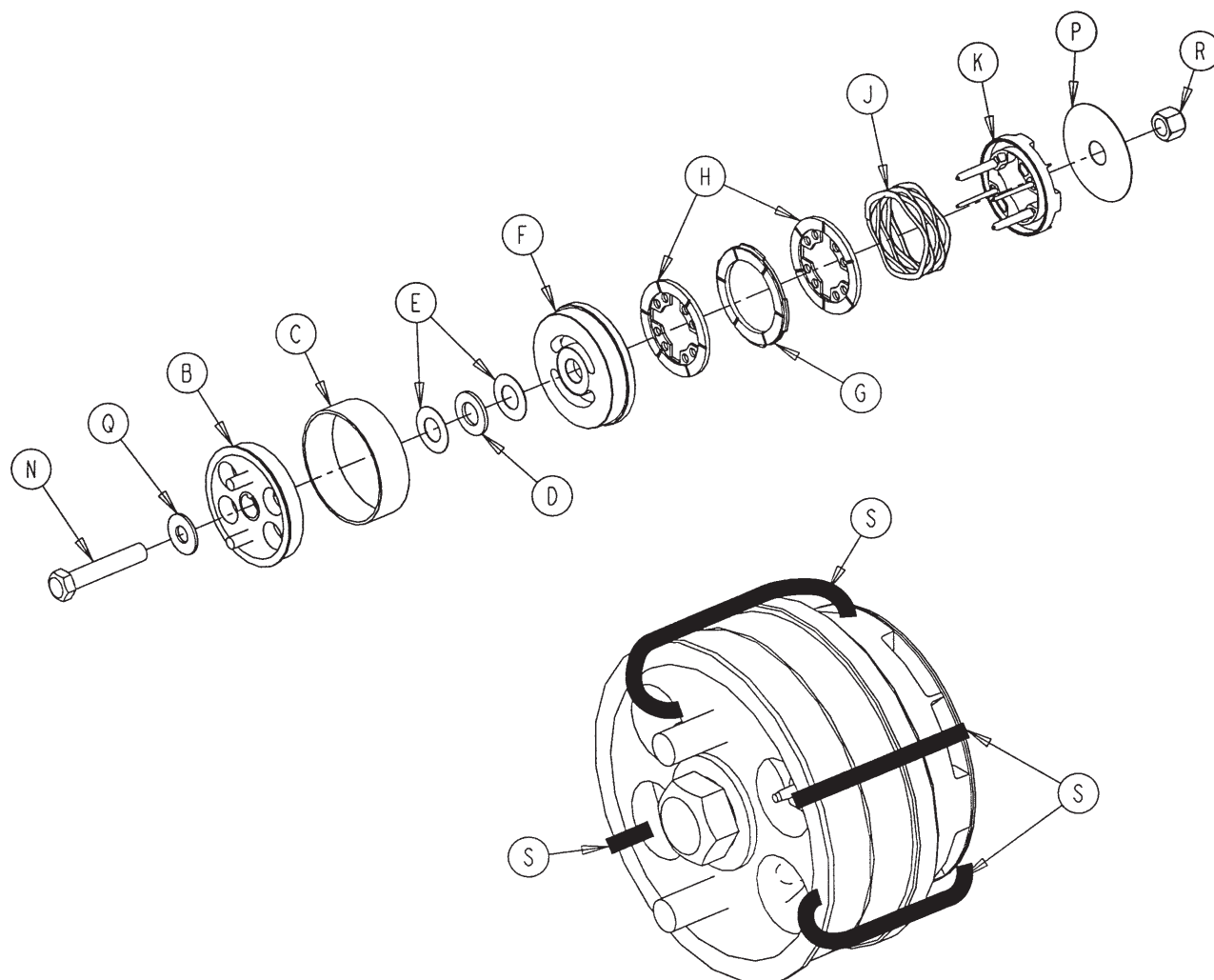
## Fowler Actuator - Standard Bed - 3002-443-550

| Item | Part No.     | Part Name           | Qty. |
|------|--------------|---------------------|------|
| BA   | 0014-083-000 | Thrust Washer       | 1    |
| BC   | 3000-300-457 | CPR Ball Screw      | 1    |
| BD   | 3001-300-496 | Fowler Link         | 1    |
| BE   | 3002-300-493 | Fowler Link Bracket | 1    |

## Fowler Actuator - 8" Shorter Bed - 3002-442-550

| Item | Part No.     | Part Name            | Qty. |
|------|--------------|----------------------|------|
| BA   | 0014-083-000 | Thrust Washer        | 2    |
| BB   | 3001-342-457 | Fowler Nut Stop Tube | 1    |
| BC   | 3001-342-467 | CPR Ball Screw       | 1    |
| BD   | 3001-342-496 | Fowler Link          | 1    |
| BE   | 3001-342-499 | Fowler Link Bracket  | 1    |

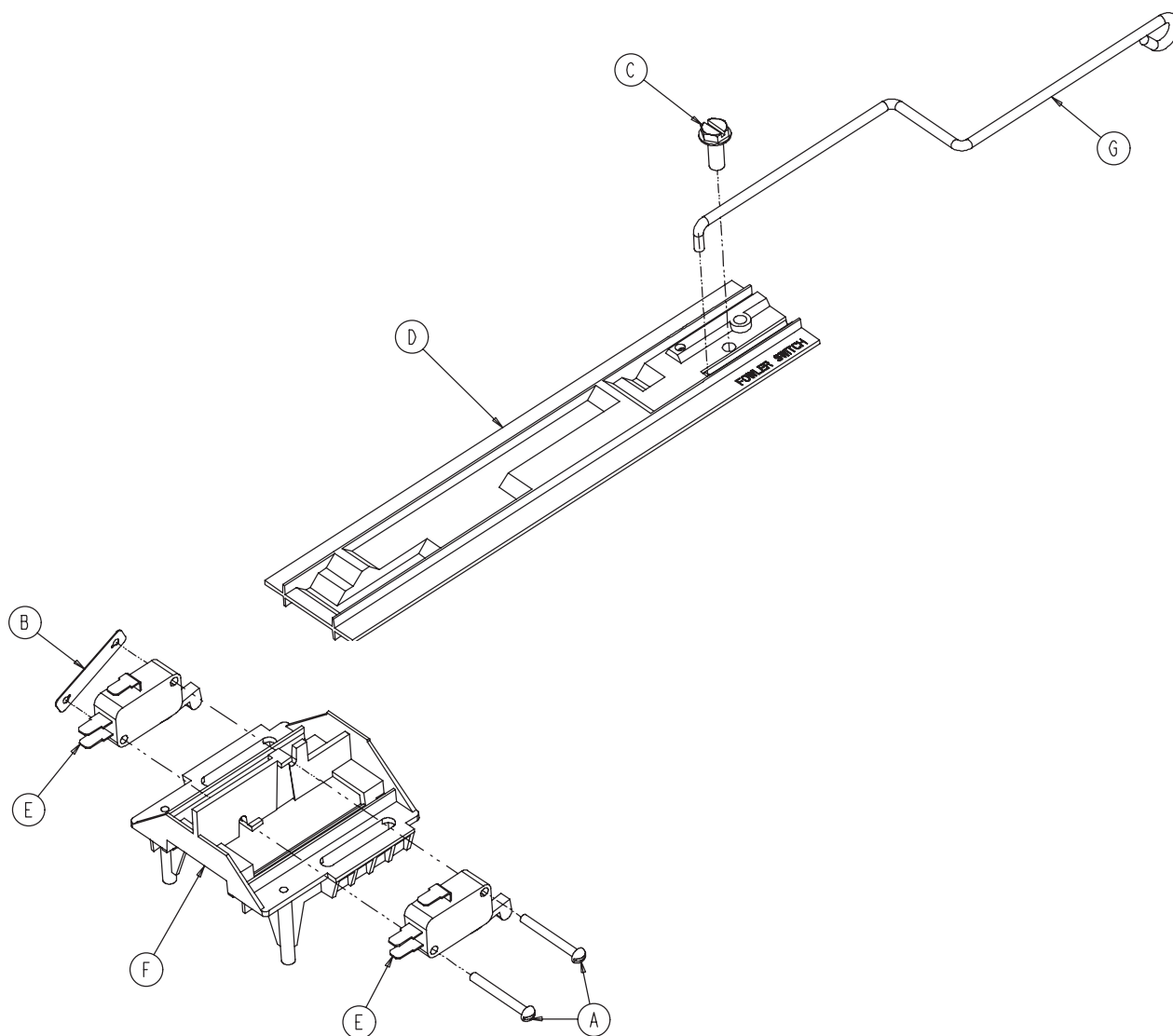
# Fowler Brake Kit Assembly - 3001-300-775



| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| B    | 3001-300-455 | CPR Coupler Assembly      | 1    |
| C    | 3000-300-465 | CPR Clutch Spring         | 1    |
| D    | 0081-212-000 | Thrust Needle Roller Brg. | 1    |
| E    | 3000-200-224 | Idler Gear Thrust Washer  | 2    |
| F    | 3001-300-569 | Brake Cup                 | 1    |
| G    | 3001-300-552 | CPR Brake Disc            | 1    |
| H    | 3001-300-551 | CPR Spring Cup            | 2    |
| J    | 3001-300-563 | CPR Brake Spring          | 1    |
| K    | 3001-300-570 | CPR Spring Cup            | 1    |
| N    | 0003-064-000 | Hex Hd. Cap Screw         | 1    |
| P    | 3000-300-776 | Flat Washer               | 1    |
| Q    | 0011-193-000 | Heavy Flat Washer         | 1    |
| R    | 0016-035-000 | Nylock Nut                | 1    |
| S    | 3000-300-113 | 8" Wire Tie               | 4    |

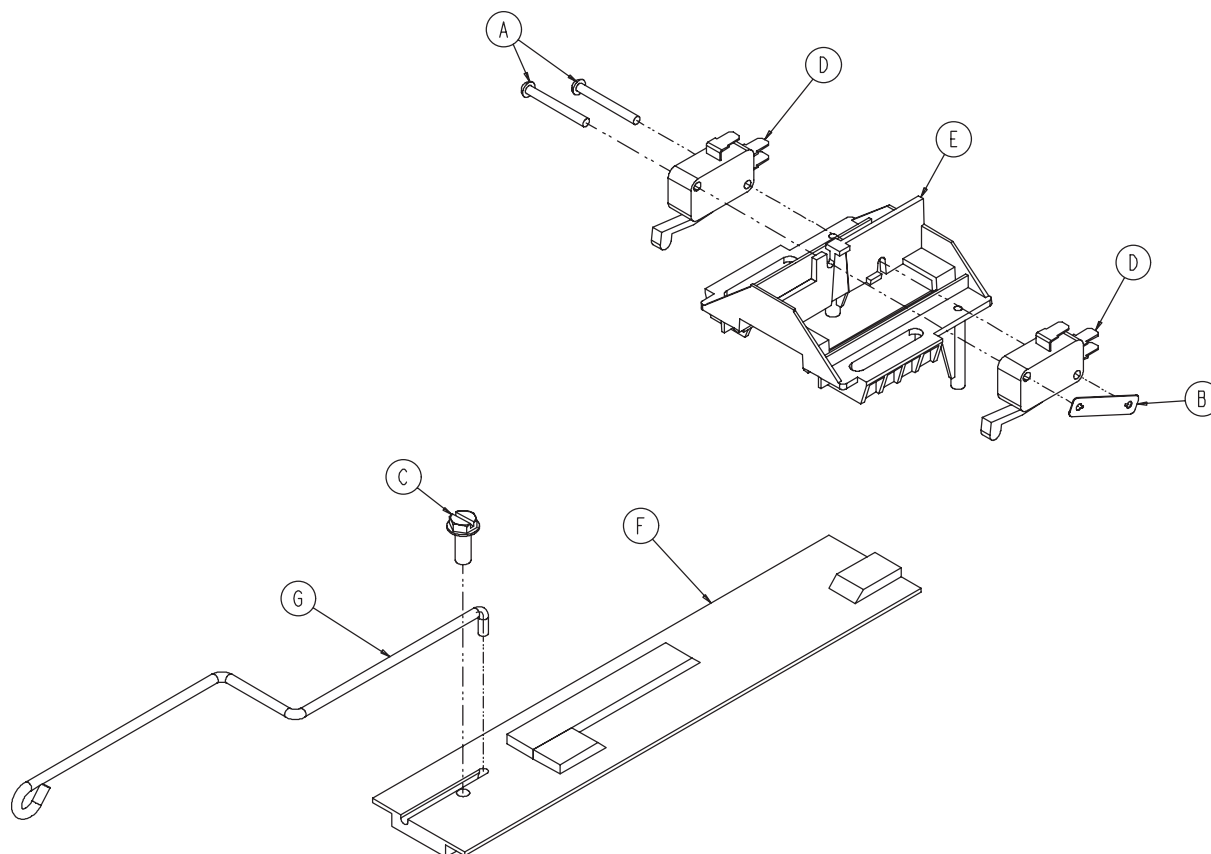
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# Standard Bed Fowler Limit Switch Assembly - 3002-343-035



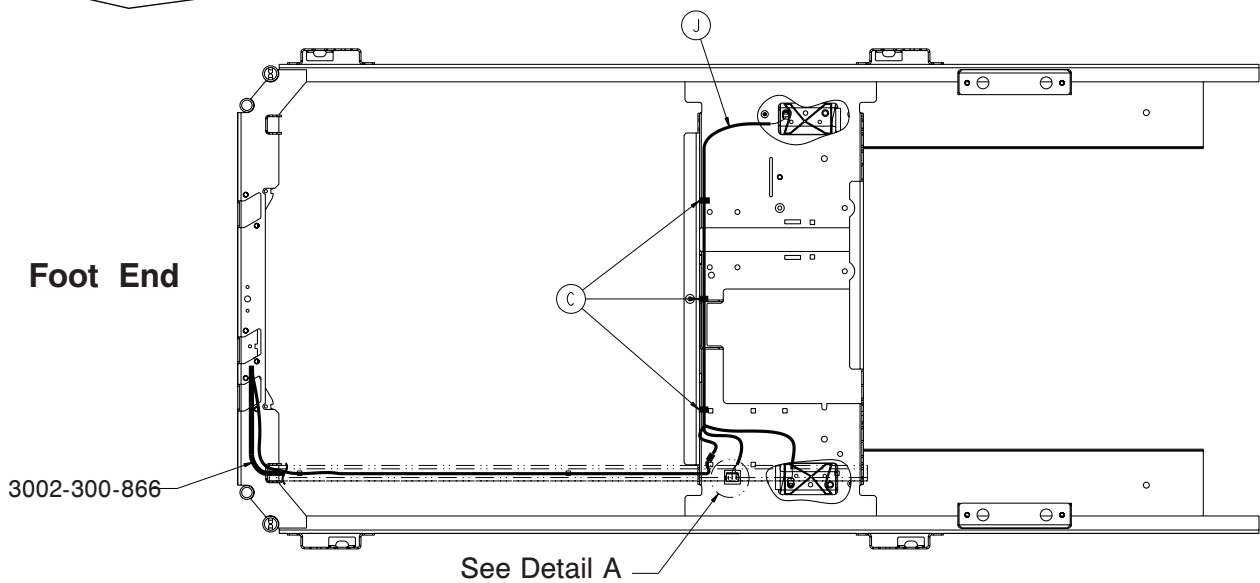
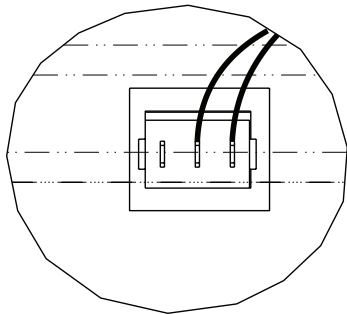
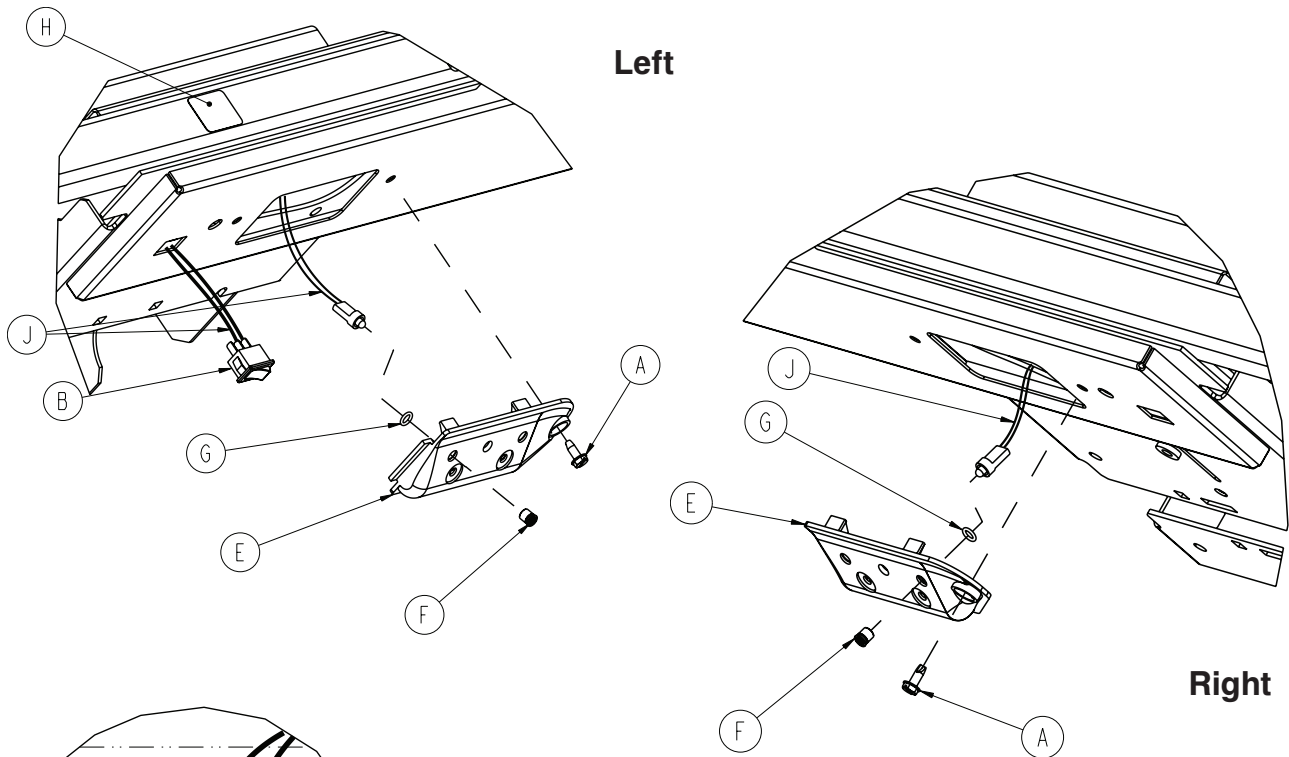
| Item | Part No.     | Part Name            | Qty. |
|------|--------------|----------------------|------|
| A    | 0002-003-000 | Round Hd. Screw      | 2    |
| B    | 0016-069-000 | Twin Type Fastener   | 1    |
| C    | 0016-129-000 | Hex Washer Hd. Screw | 1    |
| D    | 3000-300-036 | Fowler Cam Card      | 1    |
| E    | 3000-300-041 | Micro Switch         | 2    |
| F    | 3000-300-044 | Cam Guide            | 1    |
| G    | 3002-300-038 | Link Wire            | 1    |

## 8" Shorter Bed Fowler Limit Switch Assembly - 3002-342-025



| Item | Part No.     | Part Name            | Qty. |
|------|--------------|----------------------|------|
| A    | 0002-003-000 | Round Hd. Screw      | 2    |
| B    | 0016-069-000 | Twin Type Fastener   | 1    |
| C    | 0023-082-000 | Hex Washer Hd. Screw | 1    |
| D    | 3000-300-041 | Micro Switch         | 2    |
| E    | 3000-300-044 | Cam Guide            | 1    |
| F    | 3001-342-032 | Fowler Cam Card      | 1    |
| G    | 3002-300-038 | Link Wire            | 1    |

# Night Light Assembly - 3002-410-020



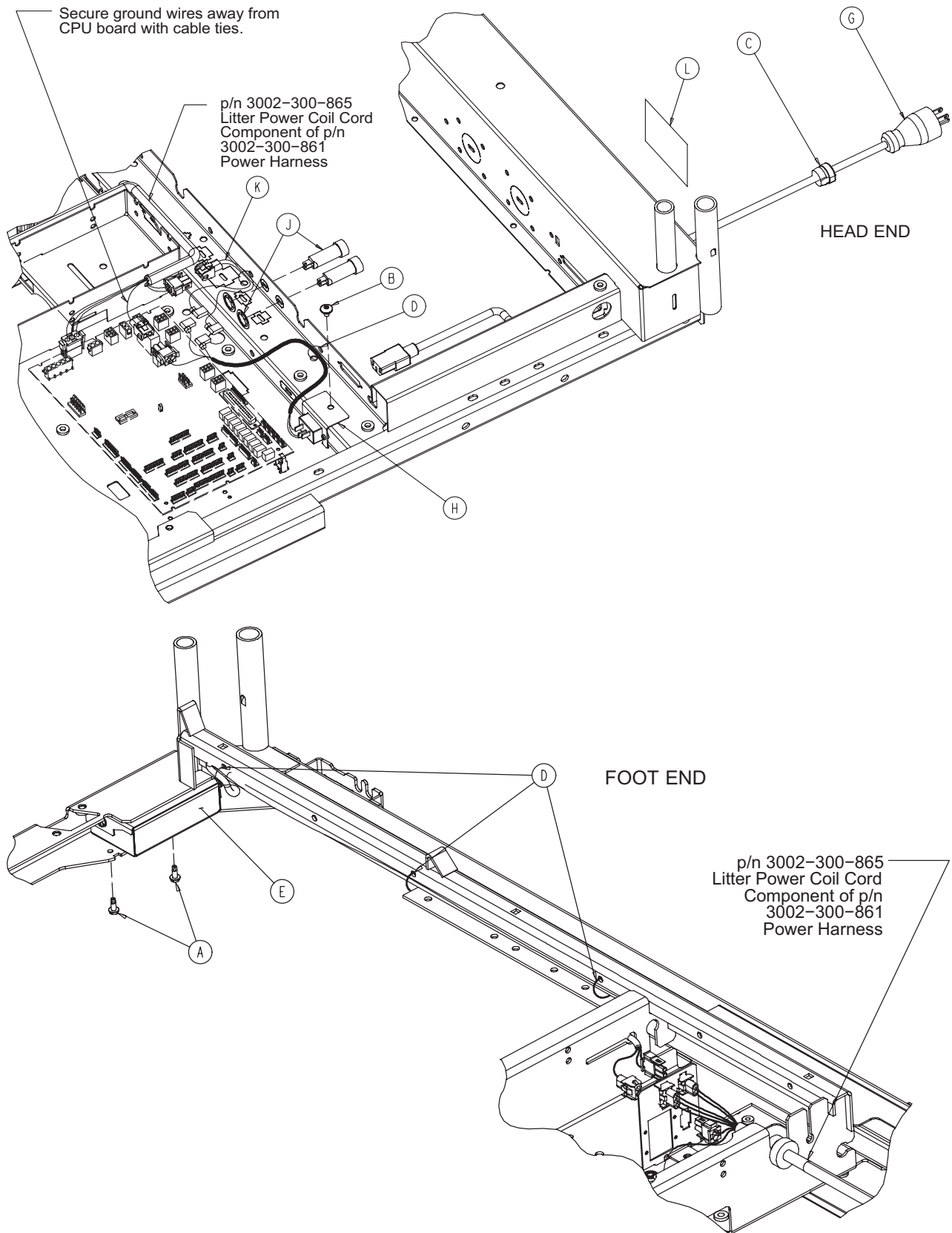
Top View - Some components are removed or shown in phantom for clarity

## Night Light Assembly - 3002-410-020

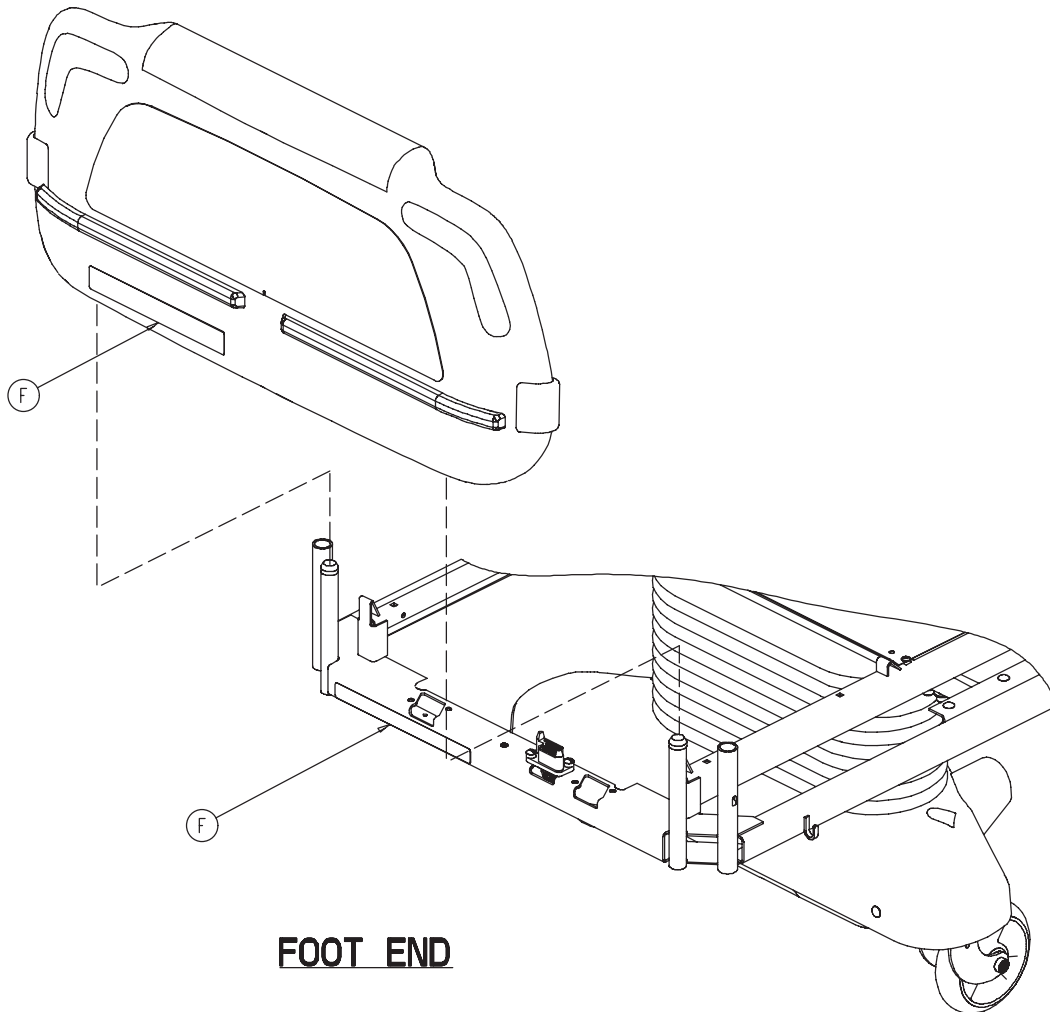
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| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 0003-224-000 | Hex Washer Hd. Screw       | 2    |
| B    | 0059-191-000 | Toggle Switch              | 1    |
| C    | 3000-300-113 | 8" Cable Tie               | 3    |
| E    | 3002-310-018 | Night Light Cover          | 2    |
| F    | 3002-310-010 | LED Lens                   | 4    |
| G    | 3002-310-025 | Retaining Spacer           | 2    |
| H    | 3002-310-601 | Night Light Label          | 1    |
| J    | 3002-036-801 | Night Light Wiring Harness | 1    |

## Optional 110V Outlet Assembly - 3002-320-050

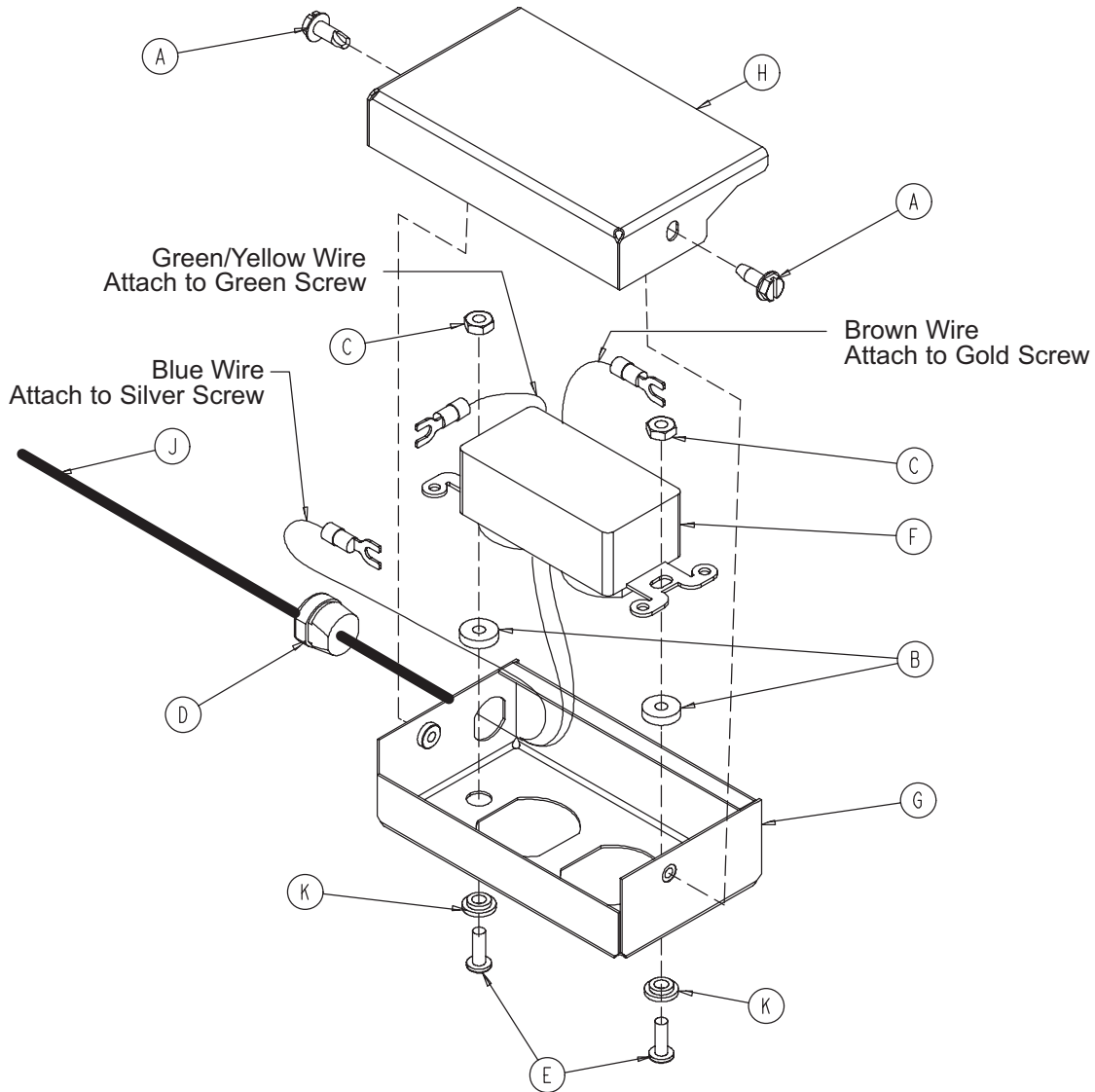


## Optional 110V Outlet Assembly - 3002-320-050



| Item | Part No.     | Part Name                                    | Qty. |
|------|--------------|--|------|
| A    | 0003-224-000 | Hex Washer Hd. Screw                         | 2    |
| B    | 0007-053-000 | Truss Hd. Torx                               | 1    |
| C    | 0030-027-000 | Strain Relief                                | 1    |
| D    | 3000-300-113 | Cable Tie                                    | 5    |
| E    | 3002-320-060 | <a href="#">Outlet Box Assembly (pg.182)</a> | 1    |
| F    | 3002-320-626 | 110V Outlet Label                            | 1    |
| G    | 3002-320-801 | Power Cord                                   | 1    |
| H    | 3002-320-878 | 110V Power Inlet Cable                       | 1    |
| J    | 0059-196-000 | 10A Circuit Breaker                          | 2    |
| K    | 3002-320-803 | 110V Power Jumper                            | 1    |
| L    | 3002-320-625 | Shock Hazard Caution Label                   | 1    |
| M    | 3002-320-624 | 110V Outlet Label                            | 1    |

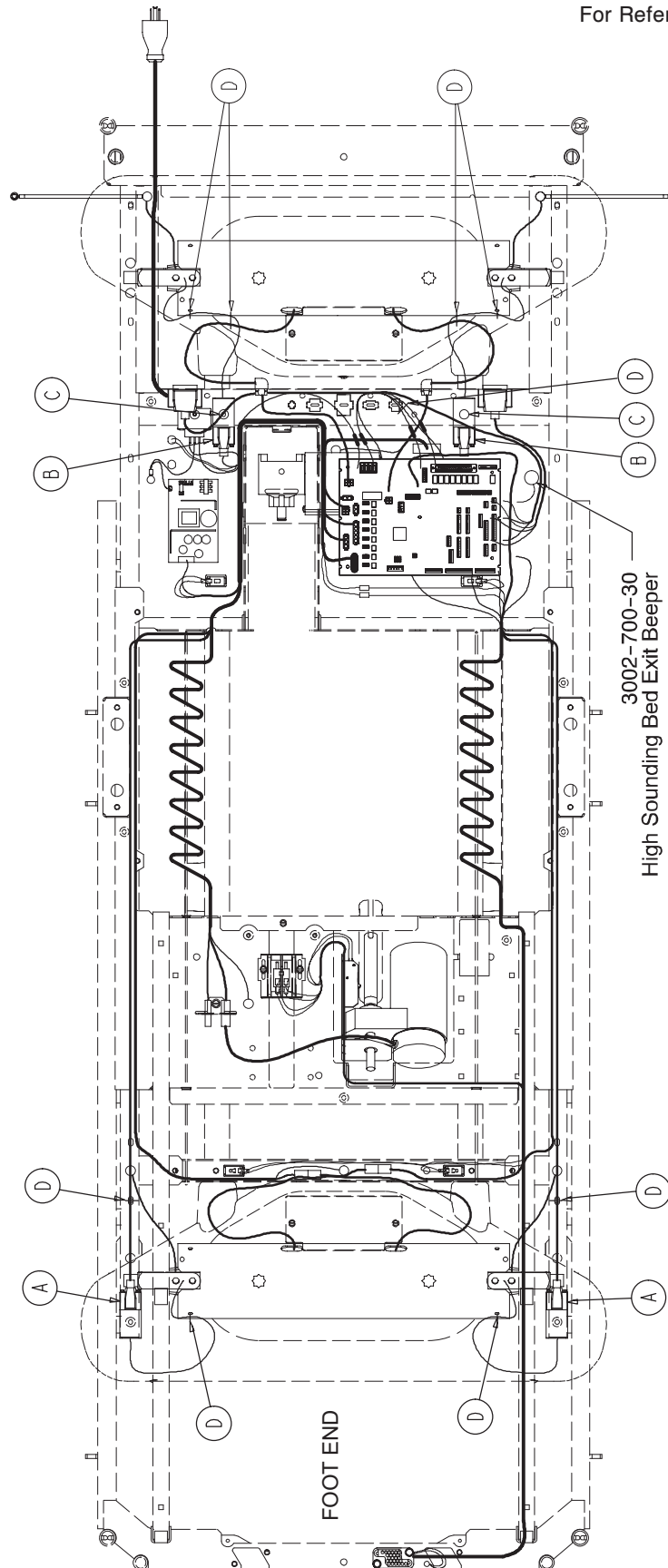
# 110V Outlet Box Assembly - 3002-320-060



| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 0003-224-000 | Hex Washer Hd. Screw      | 2    |
| B    | 0052-318-000 | Round Spacer              | 2    |
| C    | 0016-014-000 | Hex Nut                   | 2    |
| D    | 0034-133-000 | Strain Relief             | 1    |
| E    | 0004-265-000 | But. Hd. Machine Screw    | 2    |
| F    | 0059-733-000 | Hospital Grade Receptacle | 1    |
| G    | 3002-320-020 | 110V Outlet Box           | 1    |
| H    | 3002-320-021 | 110V Outlet Box Cover     | 1    |
| J    | 3002-320-802 | 110V Outlet Cable         | 1    |
| K    | 0052-317-000 | Shoulder Washer           | 2    |

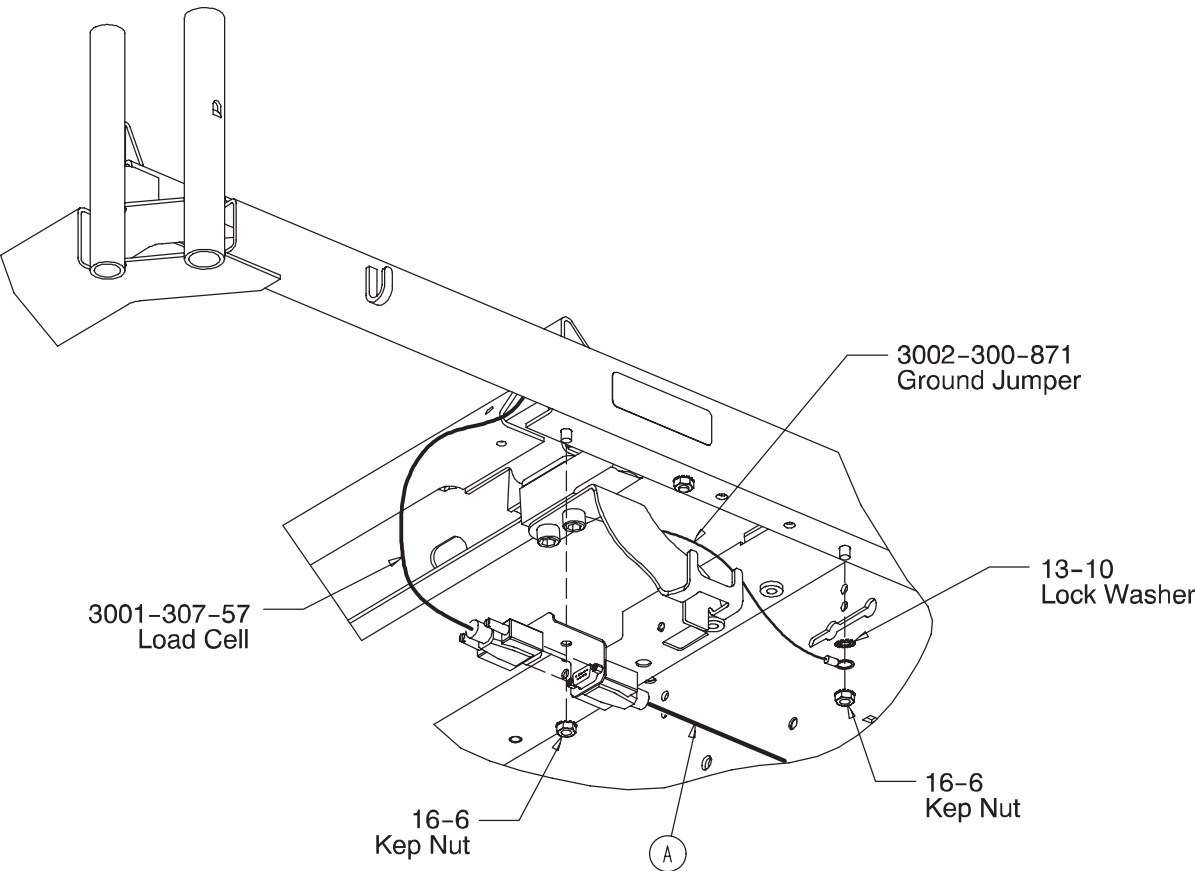
# Optional Scale/Bed Exit Assembly

For Reference Only: 3002-317-003



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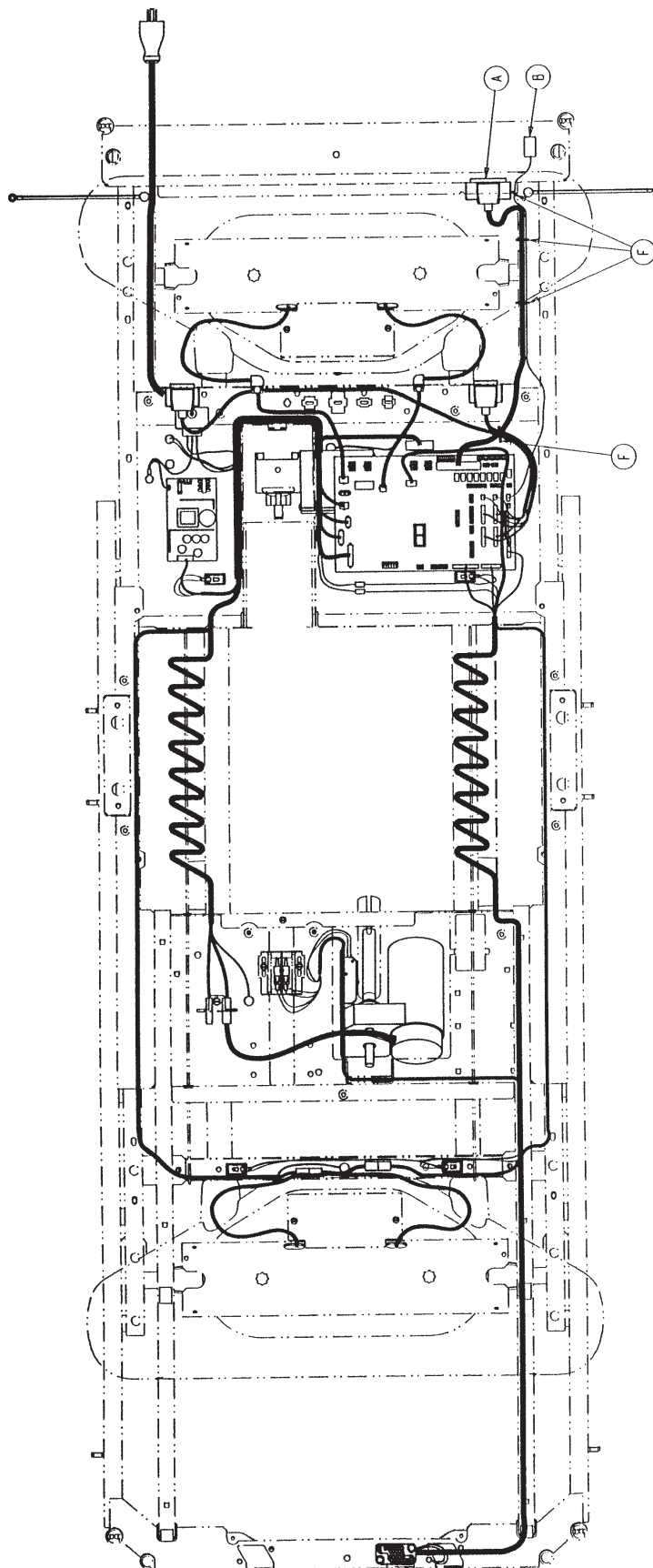
# Optional Scale/Bed Exit Assembly



**Foot End Load Cell Cable Installation  
(Typical Both Sides of the Bed)**

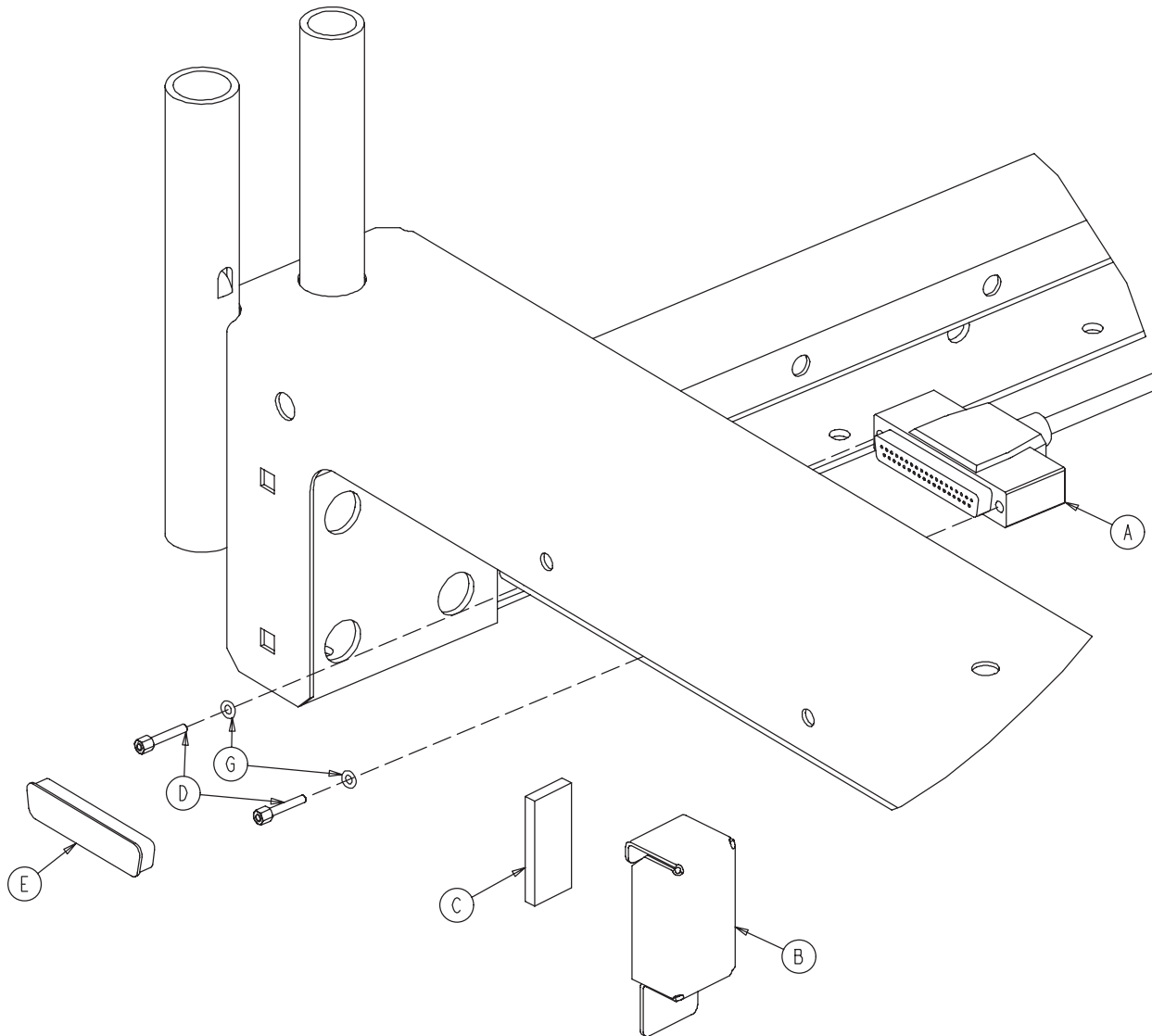
| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| A    | 3002-317-835 | Foot End Load Cell Cable | 2    |
| B    | 3002-317-834 | Head End Load Cell Cable | 2    |
| C    | 0007-053-000 | Truss Hd. Torx           | 2    |
| D    | 3000-300-113 | Cable Tie                | 9    |

## Optional HWI Assembly with Communication



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# Optional HWI Assembly with Communication



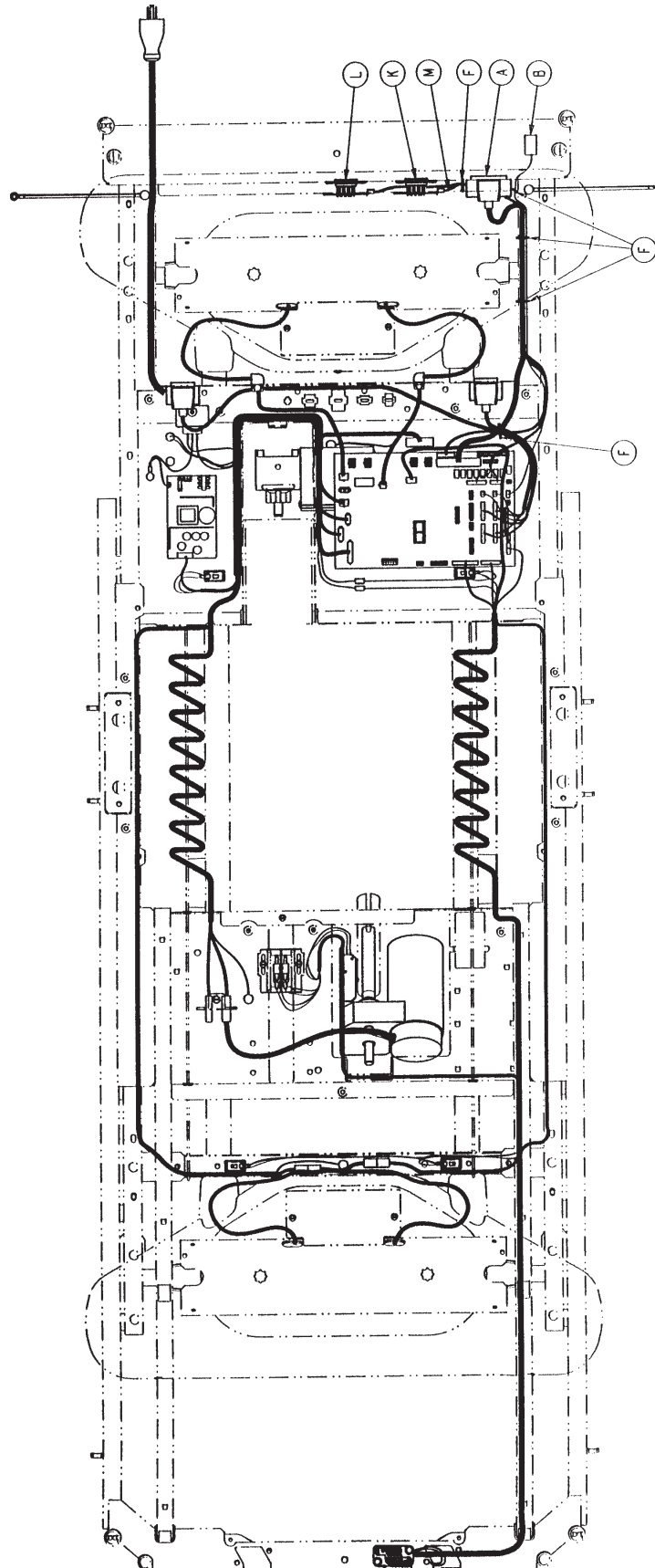
## Nurse Call & Communication - 3001-303-52

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| A    | 3001-303-821 | Headwall Interface Cable | 1    |
| B    | 3001-303-045 | Battery Enclosure Ass'y  | 1    |
| C    | 7900-001-291 | Foam Tape                | 1    |
| D    | 3001-300-007 | Female Screwjack         | 2    |
| E    | 0059-710-000 | Static Plug              | 1    |
| F    | 3000-300-113 | Cable Tie                | 4    |
| G    | 0012-046-000 | Split Lock Washer        | 2    |

## Communication - 001-303-122

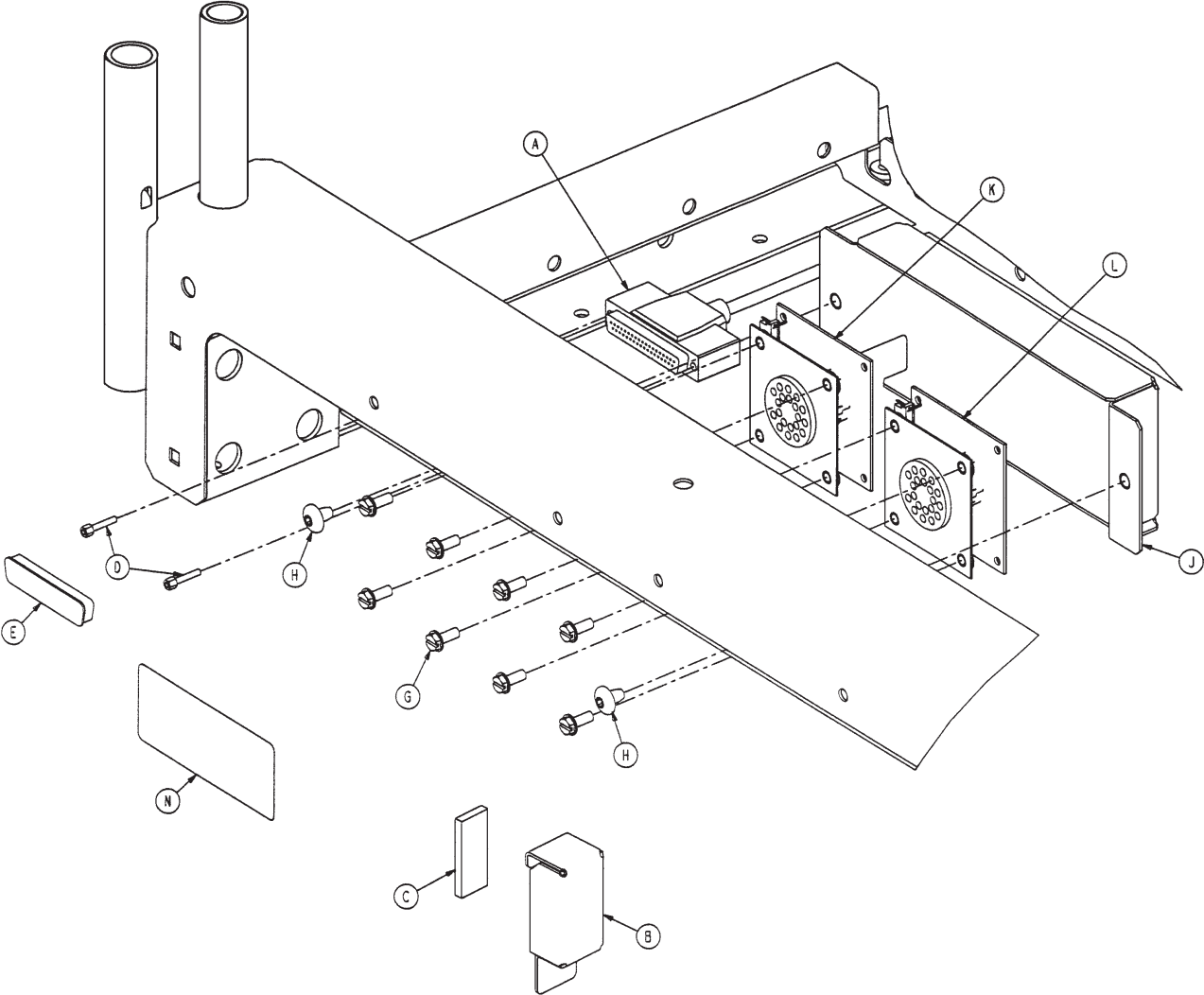
| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| A    | 3001-303-821 | Headwall Interface Cable | 1    |
| D    | 3001-300-007 | Female Screwjack         | 2    |
| E    | 0059-710-000 | Static Plug              | 1    |
| F    | 3000-300-113 | Cable Tie                | 3    |
| G    | 0012-046-000 | Split Lock Washer        | 2    |

## Optional HWI Assembly with Communication and Ports



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# Optional HWI Assembly with Communication and Ports



# Optional HWI Assembly with Communication and Ports

## HWI with 1 Stryker Port - 3001-314-012

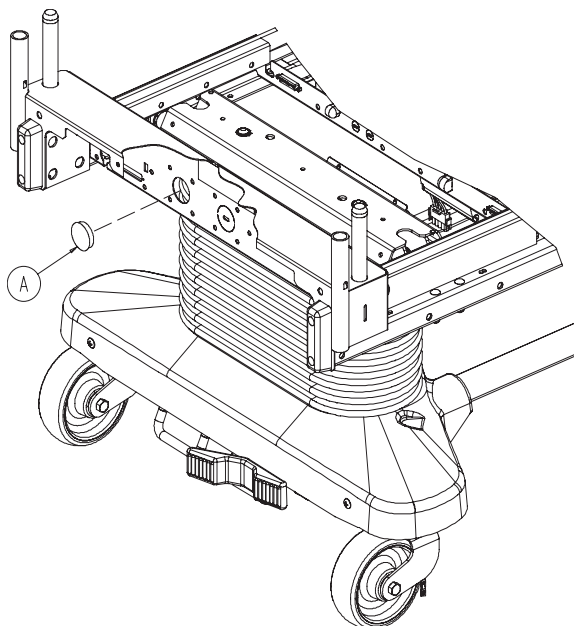
| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| A    | 3001-303-821 | Headwall Interface Cable            | 1    |
| B    | 3001-303-045 | Battery Enclosure Ass'y<br>(pg.190) | 1    |
| C    | 7900-001-291 | Foam Tape                           | 1    |
| D    | 3001-300-007 | Female Screwjack                    | 2    |
| E    | 0059-710-000 | Static Plug                         | 1    |
| F    | 3000-300-113 | Cable Tie                           | 5    |
| G    | 0003-224-000 | Hex Washer Hd. Screw                | 4    |
| H    | 0007-053-000 | Truss Hd. Screw                     | 2    |
| J    | 3001-314-006 | Pendant Port Cover                  | 1    |
| K    | 3001-314-920 | HWI Pendant Port PCB                | 1    |
| M    | 3001-314-821 | Pendant Port Cable                  | 1    |
| N    | 5000-090-028 | Cord Out Label                      | 1    |

## HWI with 1 Custom Port - 3001-314-112

| Item | Part No.      | Part Name                           | Qty. |
|------|---------------|-------------------------------------|------|
| A    | 3001-303-821  | Headwall Interface Cable            | 1    |
| B    | 3001-303-045  | Battery Enclosure Ass'y<br>(pg.190) | 1    |
| C    | 7900-001-291  | Foam Tape                           | 1    |
| D    | 3001-300-007  | Female Screwjack                    | 2    |
| E    | 0059-710-000  | Static Plug                         | 1    |
| F    | 3000-300-113  | Cable Tie                           | 5    |
| G    | 0003-224-000  | Hex Washer Hd. Screw                | 4    |
| H    | 0007-053-000  | Truss Hd. Screw                     | 2    |
| J    | 3001-314-006  | Pendant Port Cover                  | 1    |
| K    | 3001-0314-889 | HWI Cust. Pend. Port PCB            | 1    |
| M    | 3001-314-821  | Pendant Port Cable                  | 1    |
| N    | 5000-090-028  | Cord Out Label                      | 1    |

## HWI with 1 Stryker & 1 Custom Port - 3001-314-122

| Item | Part No.      | Part Name                           | Qty. |
|------|---------------|-------------------------------------|------|
| A    | 3001-303-821  | Headwall Interface Cable            | 1    |
| B    | 3001-303-045  | Battery Enclosure Ass'y<br>(pg.190) | 1    |
| C    | 7900-001-291  | Foam Tape                           | 1    |
| D    | 3001-300-007  | Female Screwjack                    | 2    |
| E    | 0059-710-000  | Static Plug                         | 1    |
| F    | 3000-300-113  | Cable Tie                           | 5    |
| G    | 0003-224-000  | Hex Washer Hd. Screw                | 8    |
| H    | 0007-053-000  | Truss Hd. Screw                     | 2    |
| J    | 3001-314-0006 | Pendant Port Cover                  | 1    |
| K    | 3001-314-920  | HWI Pendant Port PCB                | 1    |
| L    | 3001-314-889  | HWI Cust. Pend. Port PCB            | 1    |
| M    | 3001-314-821  | Pendant Port Cable                  | 1    |
| N    | 5000-090-028  | Cord Out Label                      | 1    |



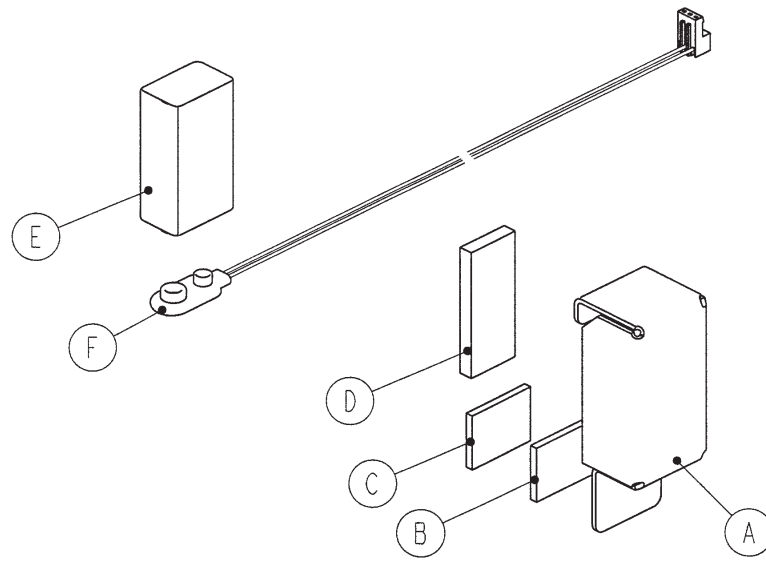
## No Pendant Port Option - 3002-999-066

| Item | Part No.     | Part Name | Qty. |
|------|--------------|-----------|------|
| A    | 0037-220-000 | Hole Plug | 1    |

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## Battery Enclosure - 3001-303-045

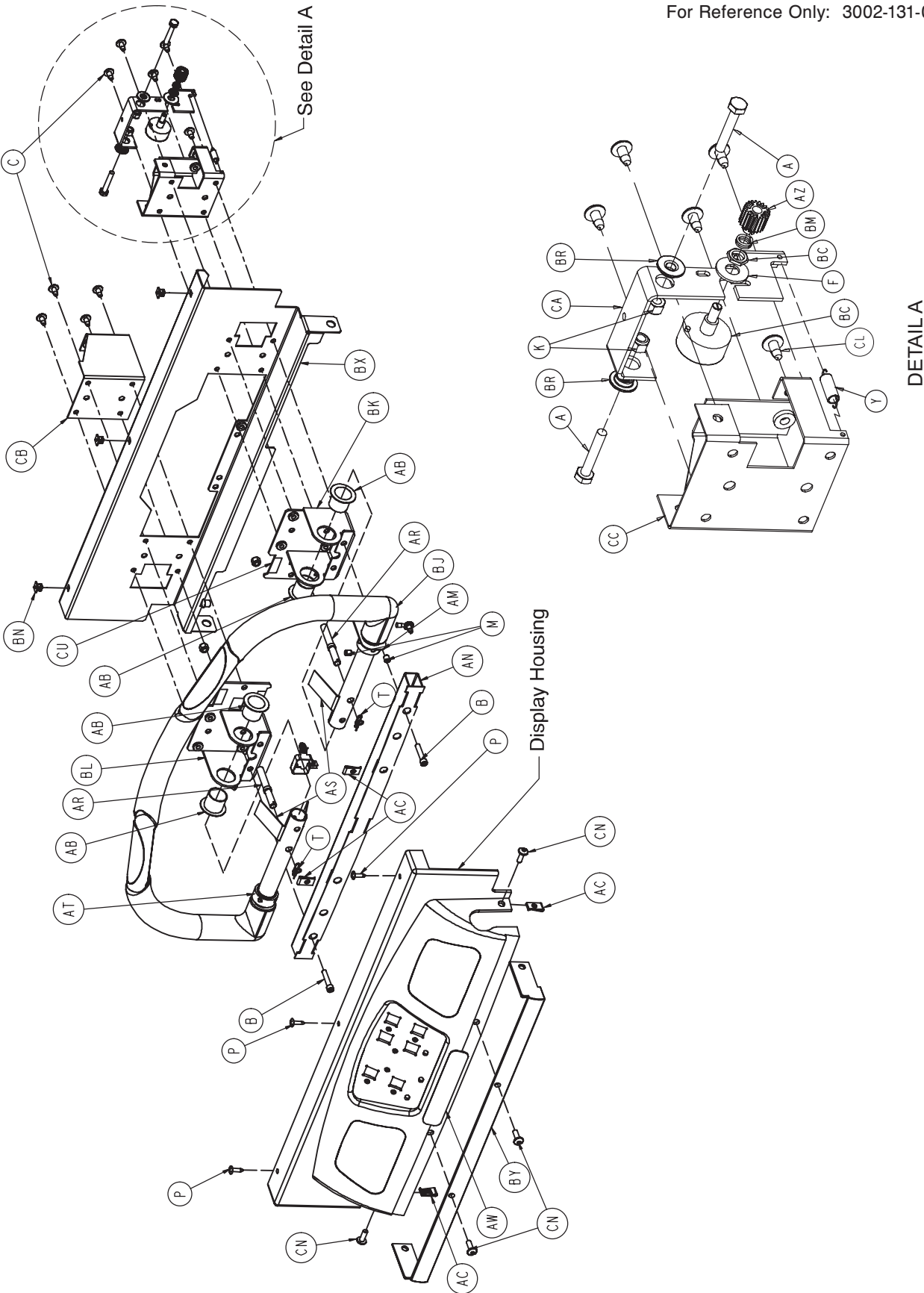
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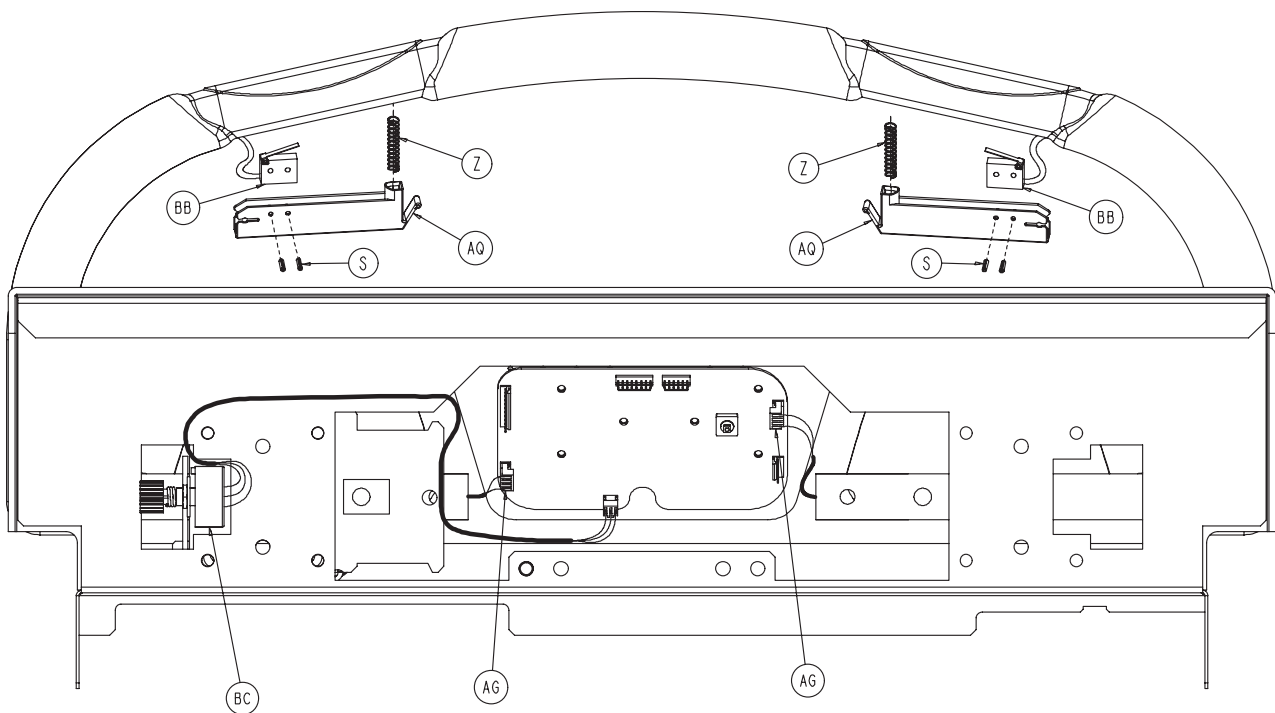
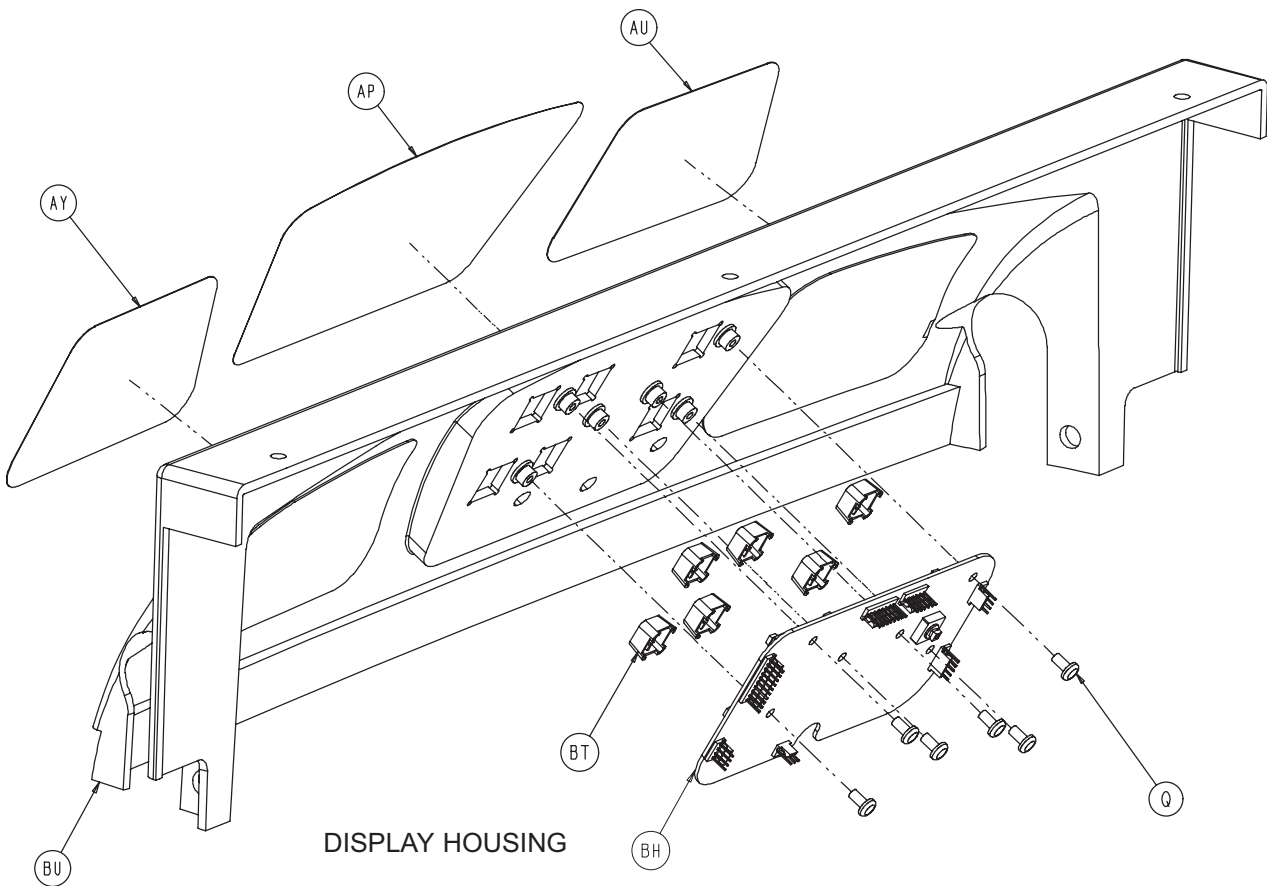


| Item | Part No.     | Part Name         | Qty. |
|------|--------------|-------------------|------|
| A    | 3001-303-012 | Battery Enclosure | 1    |
| B    | 0029-010-000 | Fine Duo-Lock     | 1    |
| C    | 0029-008-000 | Coarse Duo-Lock   | 1    |
| D    | 7900-001-291 | Foam Tape         | 1    |
| E    | 3000-303-871 | Battery           | 1    |
| F    | 3001-303-811 | Battery Cable     | 1    |

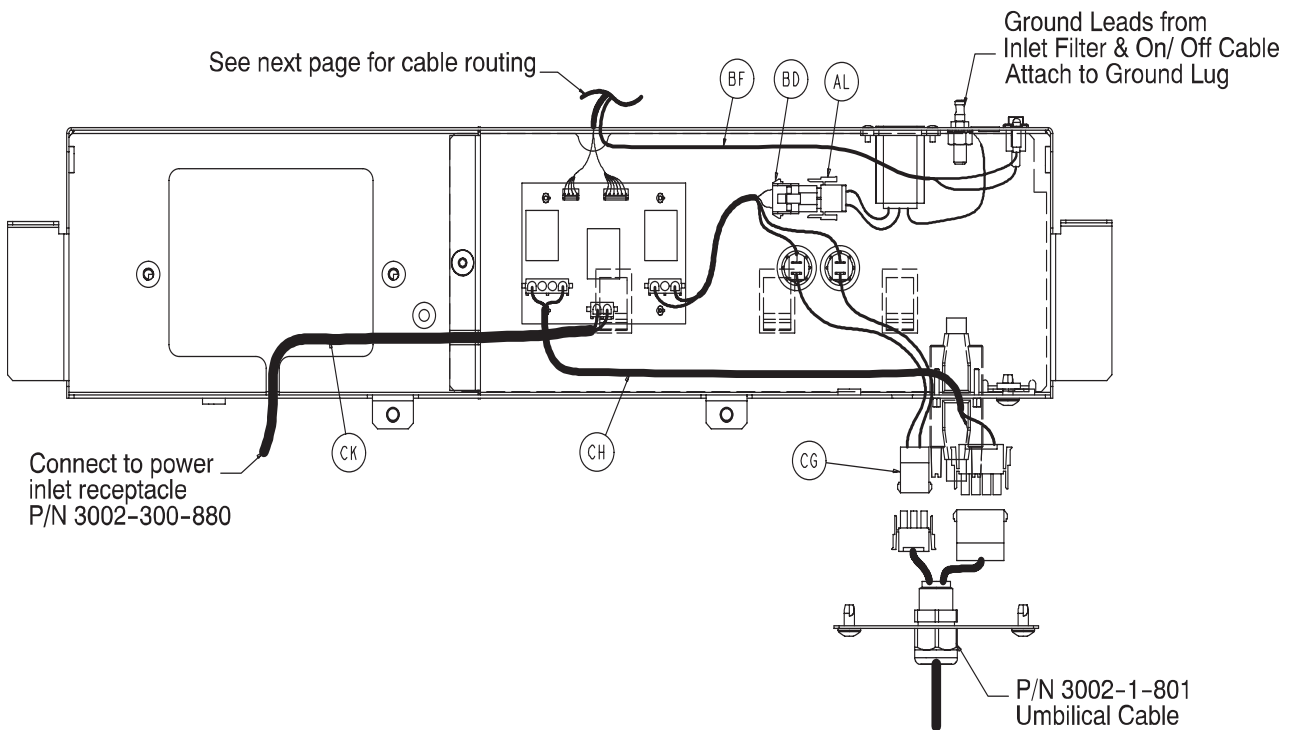
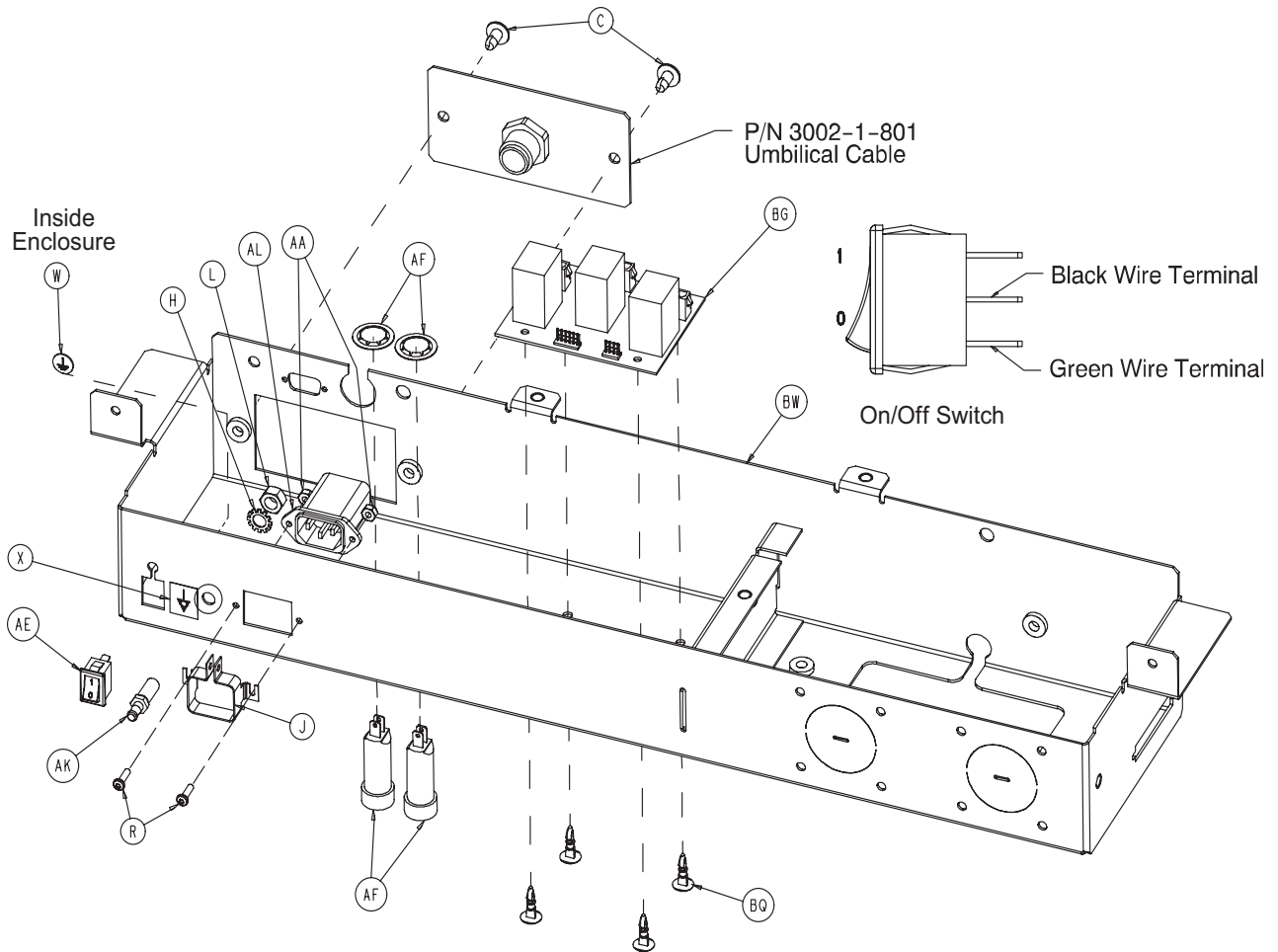
# Zoom® Option Litter Assembly

For Reference Only: 3002-131-010



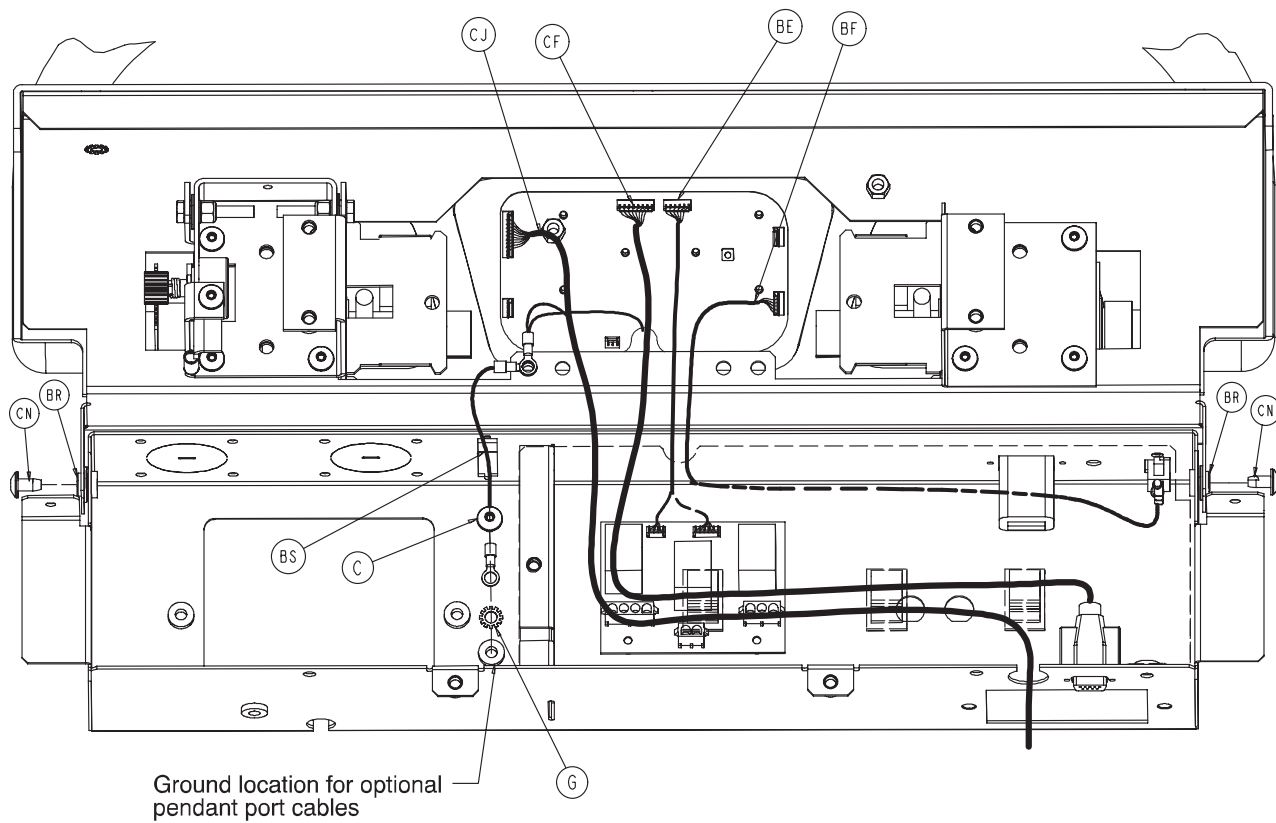
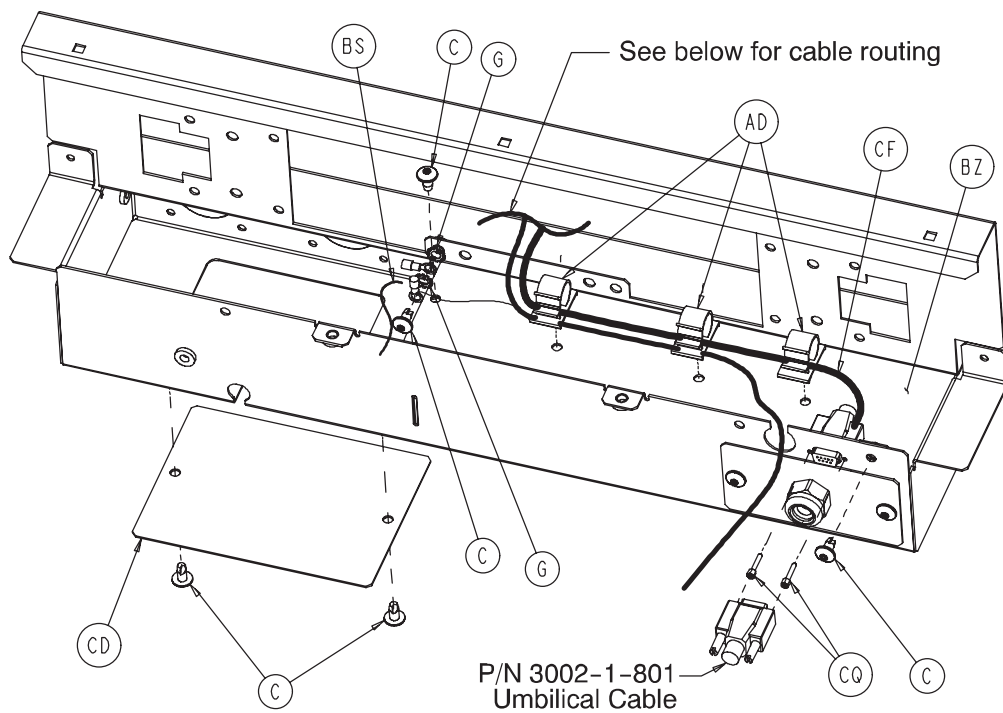


# Zoom® Option Litter Assembly

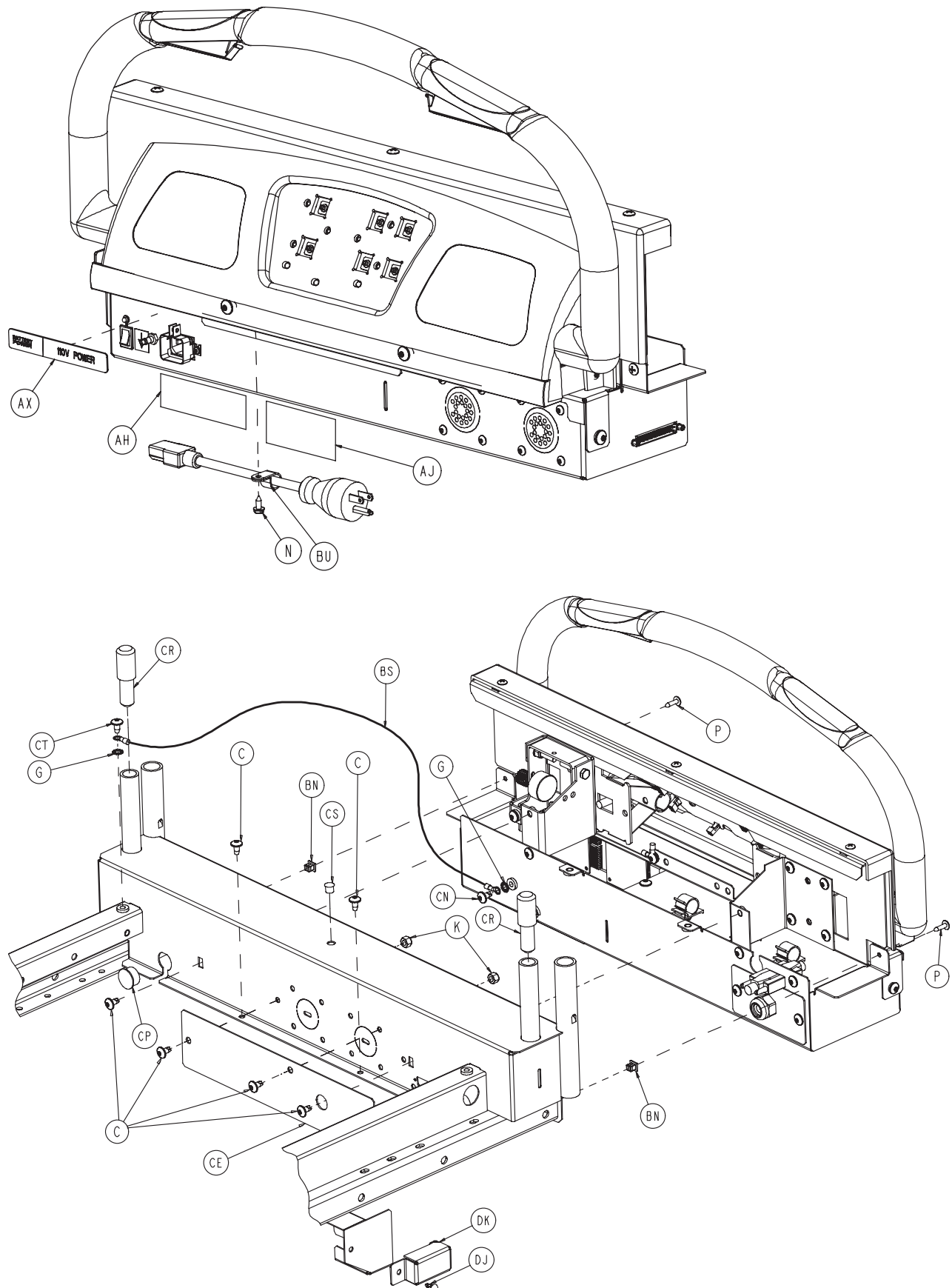


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# Zoom® Option Litter Assembly



# Zoom® Option Litter Assembly



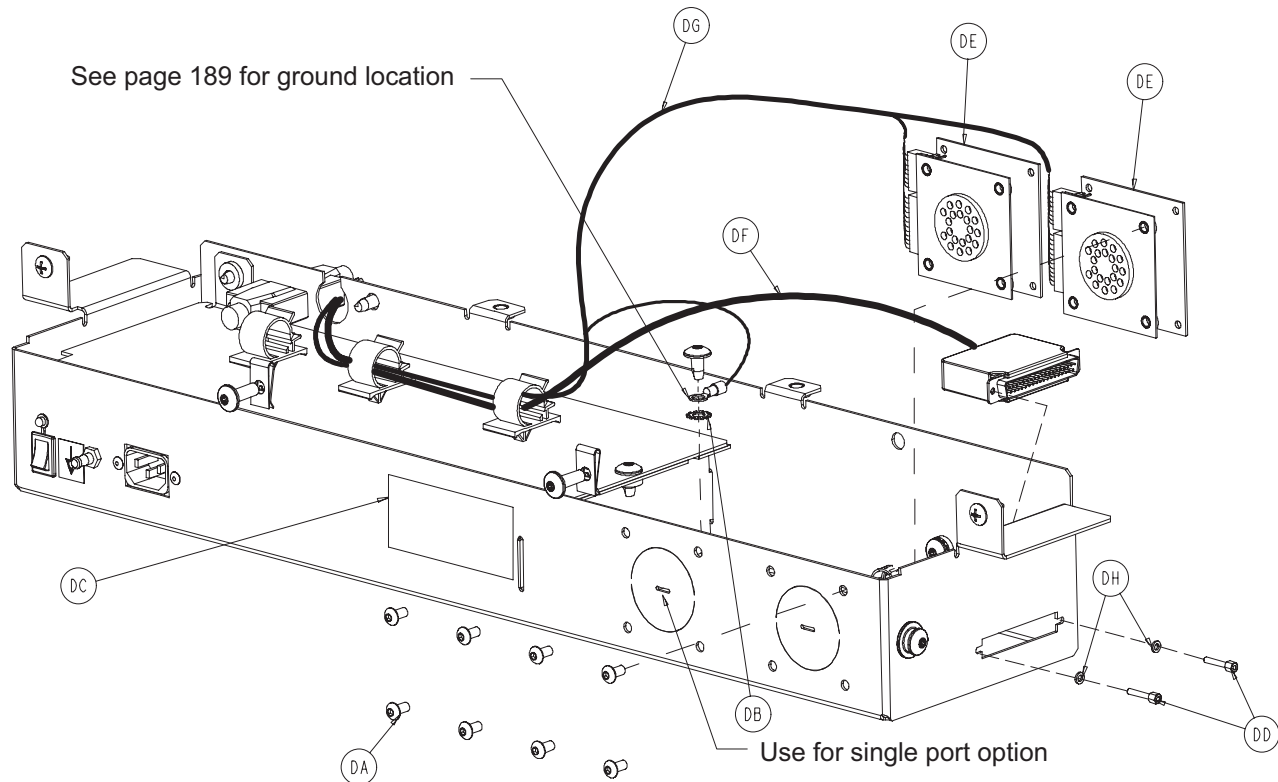
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# Zoom® Option Litter Assembly

## Zoom® Option Litter Assembly - 3002-131-010

| Item | Part No.     | Part Name                 | Qty. | Item | Part No.     | Part Name                  | Qty. |
|------|--------------|---------------------------|------|------|--------------|----------------------------|------|
| A    | 0003-050-000 | Hex Hd. Cap Screw         | 2    | AY   | 2040-031-105 | Logo Label                 | 1    |
| B    | 0004-142-000 | Soc. Hd. Cap Screw        | 2    | AZ   | 2040-031-106 | Potentiometer Gear         | 1    |
| C    | 0007-052-000 | Truss Hd. Torx            | 25   | BB   | 2040-031-803 | Mom. Cont. Swch. Cable     | 2    |
| F    | 0011-193-000 | Flat Washer               | 1    | BC   | 2040-031-804 | Potentiometer Cable        | 1    |
| G    | 0013-010-000 | Ext. Tooth Lock Washer    | 5    | BD   | 2040-031-808 | Charger AC Jumper Cable    | 1    |
| H    | 0013-038-000 | External Lock Washer      | 1    | BE   | 2040-031-809 | CPU/Crossover Cable        | 1    |
| J    | 0059-205-000 | Connector Lock            | 1    | BF   | 2040-031-810 | On/Off Cable               | 1    |
| K    | 0016-028-000 | Nylock Nut                | 4    | BG   | 2040-031-900 | AC/Switchover PCB Ass'y    | 1    |
| L    | 0016-033-000 | Kep Nut                   | 1    | BH   | 2040-031-910 | Display/CPU Assembly       | 1    |
| M    | 0021-140-000 | Set Screw                 | 4    | BJ   | 2040-231-064 | Control Bar                | 1    |
| N    | 0023-025-000 | Hex Washer Hd. Screw      | 1    | BK   | 2040-031-110 | Pivot Bracket, Right       | 1    |
| P    | 0023-080-000 | Truss Hd. Screw           | 5    | BL   | 2040-031-111 | Pivot Bracket, Left        | 1    |
| Q    | 0023-112-000 | Hi-Low Tapping Screw      | 6    | BM   | 3000-200-253 | Pot. Worm Gear Retainer    | 1    |
| R    | 0050-032-000 | Pan Hd. Mach. Screw       | 2    | BN   | 3000-300-002 | Plastic Clip Nut           | 5    |
| S    | 0026-303-000 | Roll Pin                  | 4    | BP   | 3000-300-114 | 4" Wire Tie                | 5    |
| T    | 0027-022-000 | Rue Pin                   | 2    | BQ   | 3000-300-115 | Standoff                   | 4    |
| U    | 0034-022-000 | Cord Clamp                | 1    | BR   | 3001-300-099 | Pivot Bearing              | 4    |
| W    | 0036-046-000 | Ground Label              | 1    | BS   | 3002-300-870 | 8" Ground Strap            | 2    |
| X    | 0036-115-000 | Ground Label              | 1    | BT   | 3001-400-953 | Switch Cap                 | 6    |
| Y    | 0038-482-000 | Extension Spring          | 1    | BU   | 3002-031-011 | Top Display Housing        | 1    |
| Z    | 0038-448-000 | Switch Handle Ret. Spring | 2    | BW   | 3002-031-053 | Hd. End Bottom Enclosure   | 1    |
| AA   | 0016-023-000 | Nylock Nut                | 2    | BX   | 3002-031-063 | Head End Top Enclosure     | 1    |
| AB   | 0052-762-000 | Flange Bearing            | 4    | BY   | 2040-231-069 | Display Bumper             | 1    |
| AC   | 0055-027-000 | "U"-Type Nut              | 4    | BZ   | 3002-031-092 | Hd. End Electronics Cover  | 1    |
| AD   | 0059-133-000 | Push-Mount Wire Clip      | 3    | CA   | 3002-031-108 | Potentiometer Mount        | 1    |
| AE   | 0059-191-000 | On/Off Switch             | 1    | CB   | 3002-031-109 | Reinforcement Brkt., Left  | 1    |
| AF   | 0059-195-000 | Circuit Breaker           | 2    | CC   | 3002-031-110 | Reinforcement Brkt., Right | 1    |
| AG   | 0059-781-000 | 4-Position Connector      | 2    | CD   | 3002-031-112 | Pendant Port Cover         | 1    |
| AH   | 1550-090-001 | Hosp. Grade Plug Label    | 1    | CE   | 3002-031-115 | Cover Plate                | 1    |
| AJ   | 2011-001-104 | Danger Label              | 1    | CF   | 3002-031-801 | Zoom CPU Signal Jumper     | 1    |
| AK   | 2011-001-215 | Grounding Lug             | 1    | CG   | 3002-031-802 | Zoom Breaker Jumper        | 1    |
| AL   | 2035-031-880 | Power Inlet Cable         | 1    | CH   | 3002-031-803 | Zoom Crossover PCB Jmpr.   | 1    |
| AM   | 2040-031-051 | Potentiometer Collar      | 1    | CJ   | 3002-007-805 | Zoom/Bed CPU Jumper        | 1    |
| AN   | 2040-031-054 | Bumper Attachment Wldmt.  | 1    | CK   | 3002-031-805 | Bed AC Power Jumper        | 1    |
| AP   | 2040-031-062 | Display Label             | 1    | CL   | 0004-325-000 | Soc. Hd. Cap Screw         | 1    |
| AQ   | 2040-031-068 | Contact Switch Handle     | 2    | CN   | 0007-063-000 | Truss Hd. Torx             | 7    |
| AR   | 2040-031-073 | Stop Pin                  | 2    | CP   | 0037-240-000 | Hole Plug                  | 1    |
| AS   | 2040-031-074 | Control Bar Return Spring | 2    | CQ   | 3001-300-007 | M/F Screw                  | 2    |
| AT   | 2040-031-082 | Potentiometer Collar      | 1    | CR   | 3002-031-114 | Head Board Extender        | 2    |
| AU   | 2040-031-101 | Drive Instruction Label   | 1    | CS   | 0059-738-000 | Hole Plug                  | 1    |
| AW   | 2040-031-102 | Drive Warning Label       | 1    | CT   | 0007-065-000 | Truss Hd. Screw            | 1    |
| AX   | 2040-031-103 | Power Label               | 1    | CU   | 0044-032-000 | Pressure Sensitive Tape    | 4    |

# Zoom Option Litter Assembly



## Head Wall Communication Option - 3002-031-200

| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| DD   | 3001-300-007 | M/F Screw          | 2    |
| DF   | 3002-080-008 | Head Wall IF Cable | 1    |

## Head Wall Comm. w/Nurse Call - 3002-031-201

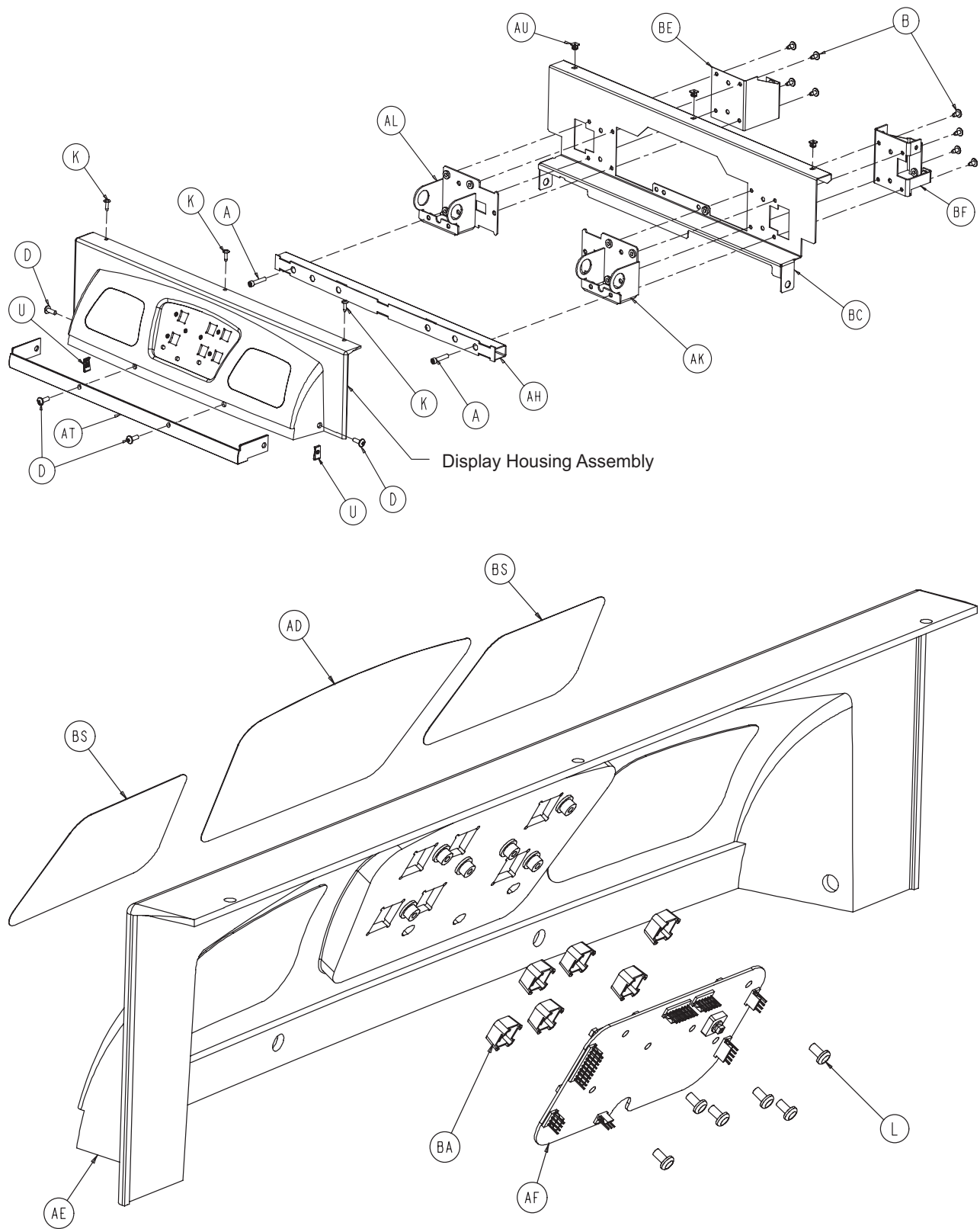
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| DD   | 3001-300-007 | M/F Screw                 | 2    |
| DF   | 5010-080-008 | Head Wall Interface Cable | 1    |
| DH   | 0012-046-000 | Split Lock Washer         | 2    |
| DK   | 3001-303-045 | Battery Enclosure Ass'y   | 1    |

## HW Comm. w/NC & 1 Stryker Port - 3002-031-202

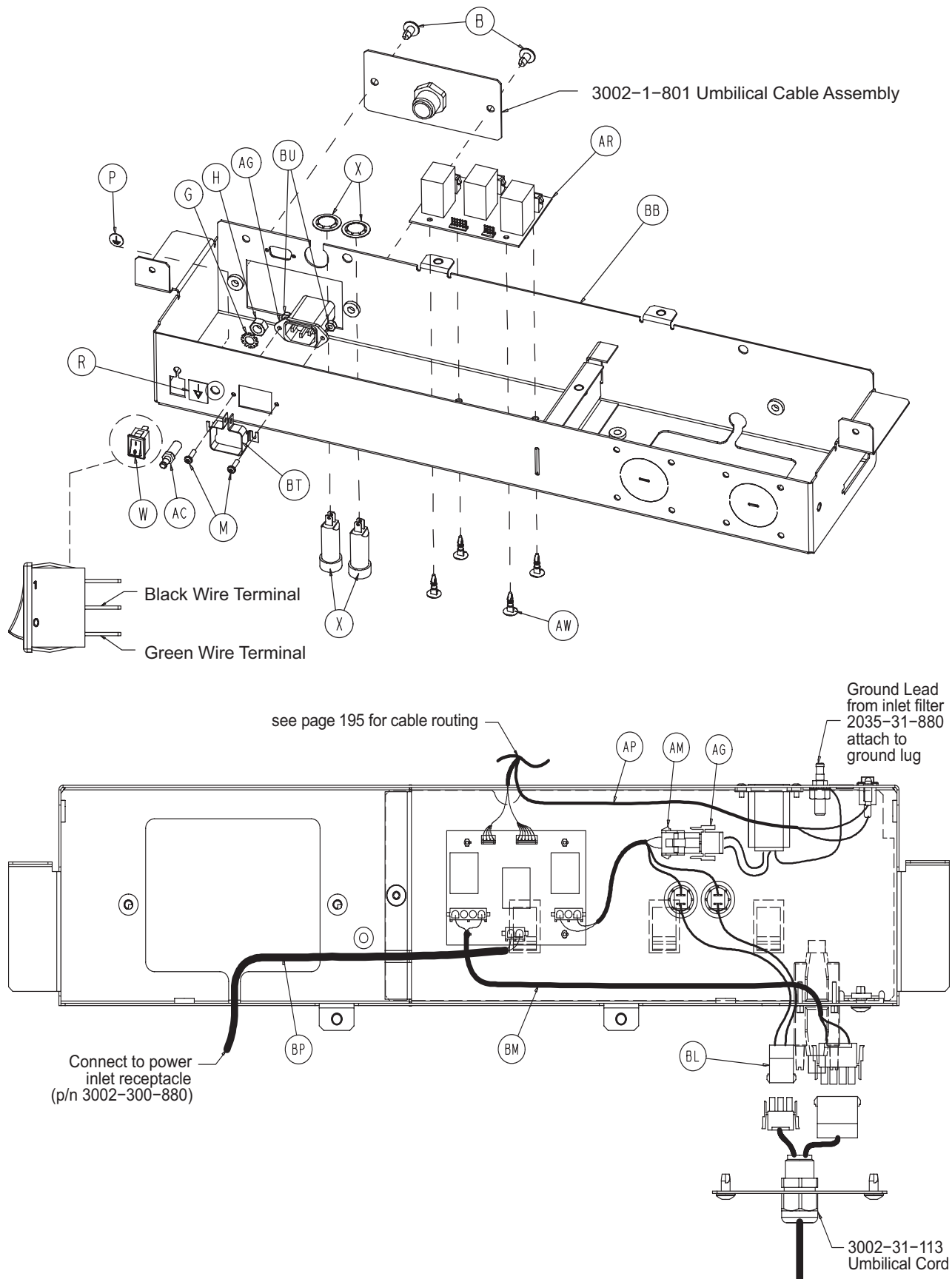
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| DA   | 0004-307-000 | But. Hd. Cap Screw        | 4    |
| DB   | 0013-010-000 | Ext. Tooth Lock Washer    | 1    |
| DC   | 2040-031-104 | Cord Out Label            | 1    |
| DD   | 3001-300-007 | M/F Screw                 | 2    |
| DE   | 3001-314-920 | Head Wall Pend. Port PCB  | 1    |
| DF   | 3002-080-008 | Head Wall Interface Cable | 1    |
| DG   | 3002-031-807 | Zoom Pendant Port Cable   | 1    |
| DH   | 0012-046-000 | Split Lock Washer         | 2    |
| DK   | 3001-303-045 | Battery Enclosure Ass'y   | 1    |

# Battery Backup Option Head End Enclosure

For Reference Only: 3002-450-150

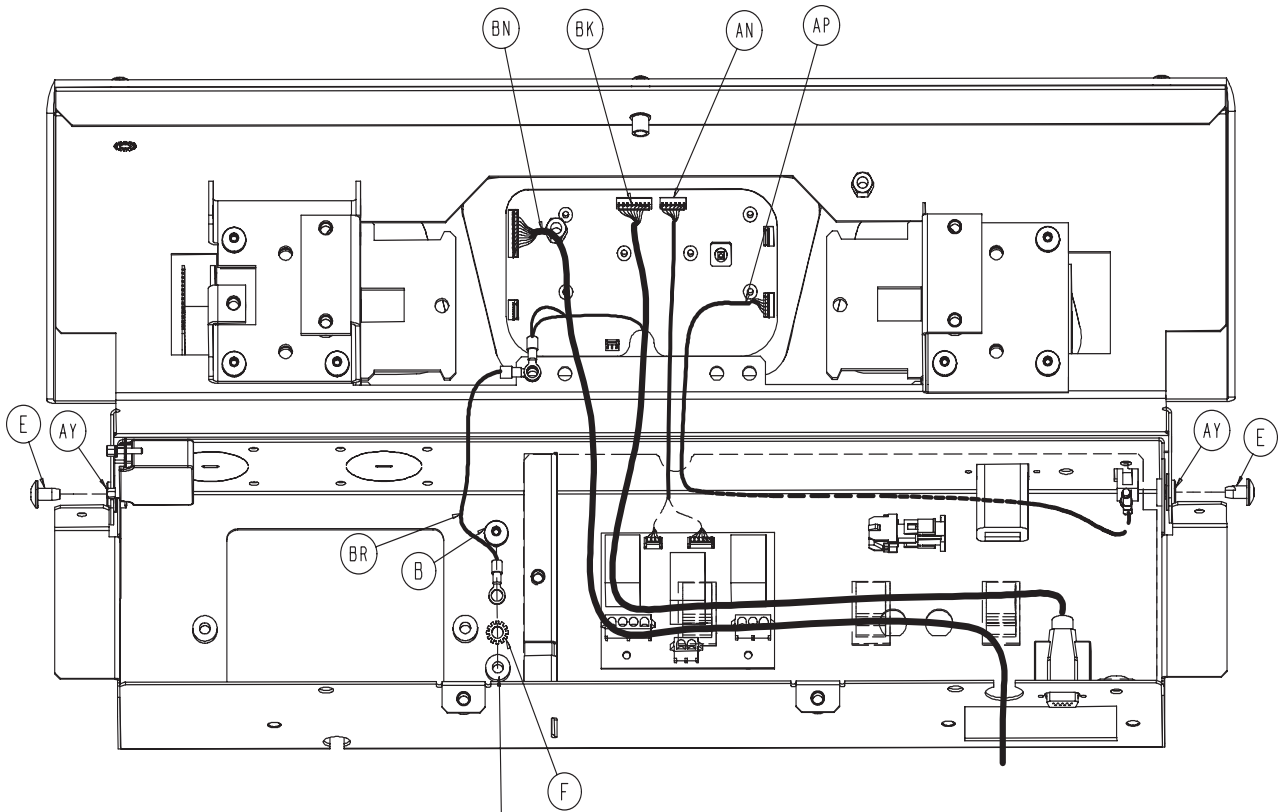


# Battery Backup Option Head End Enclosure

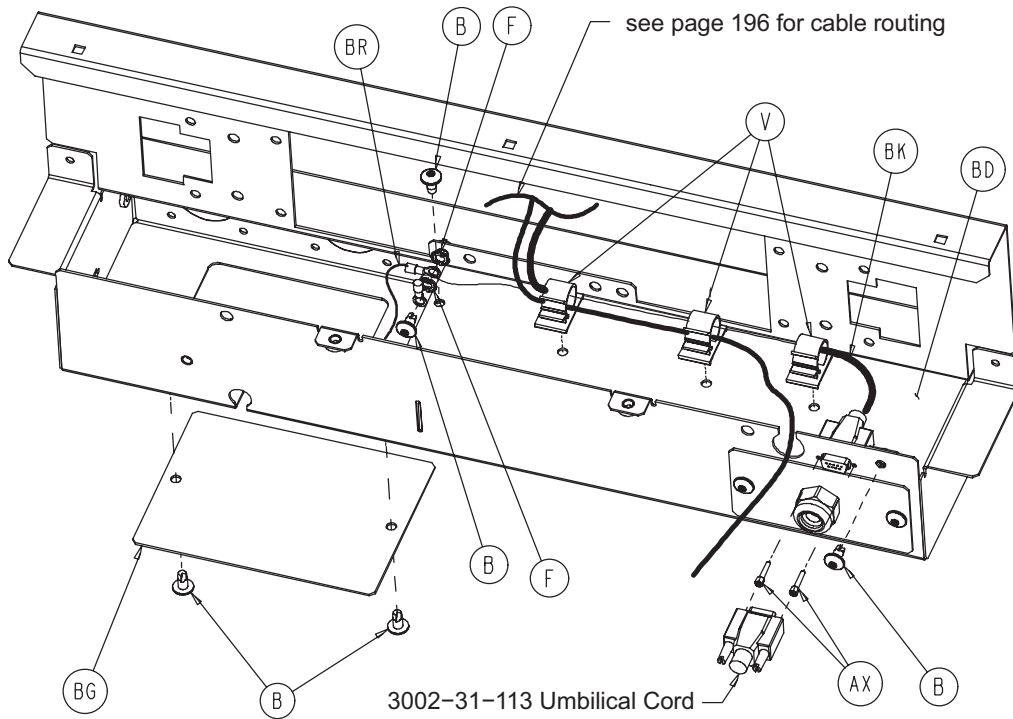


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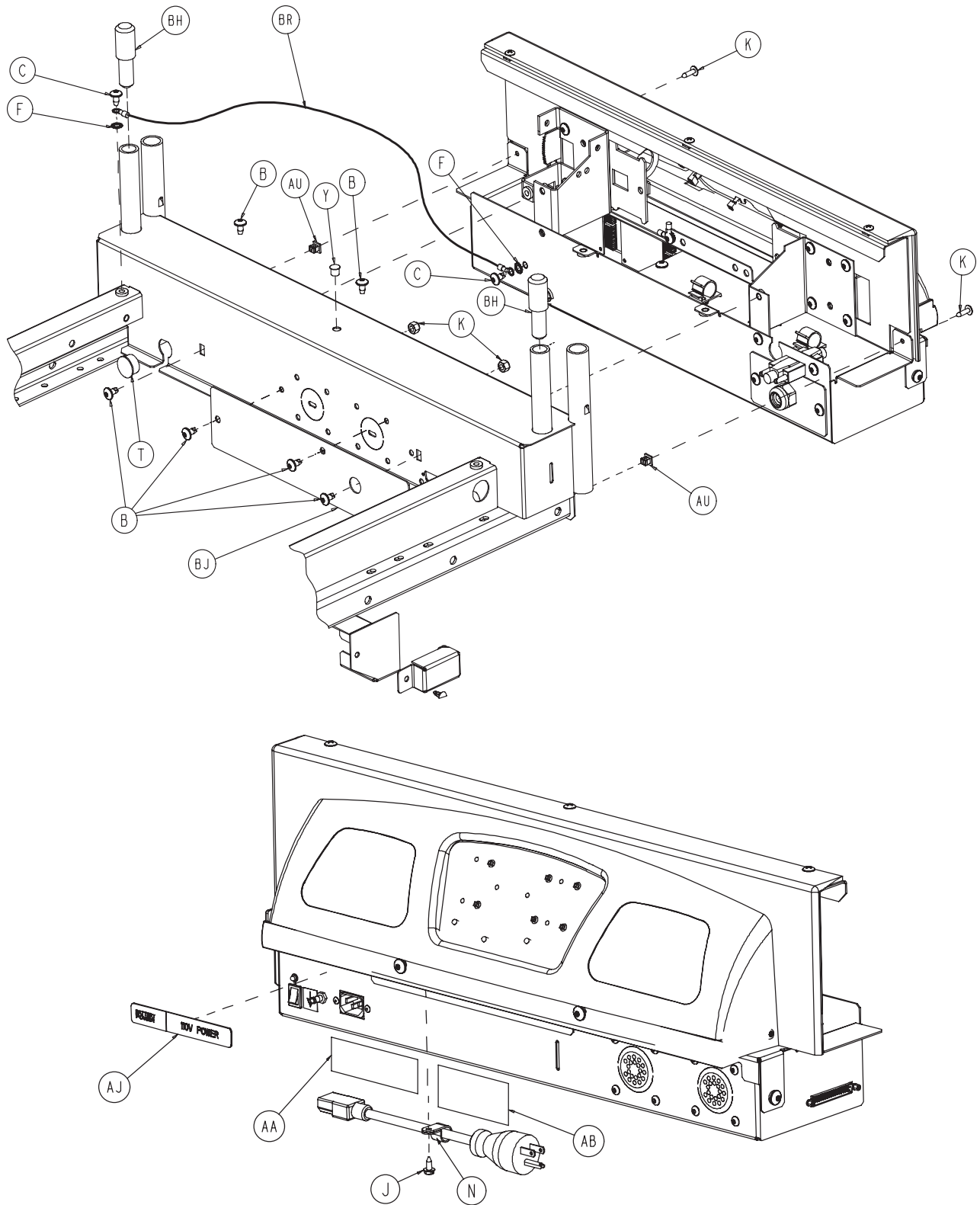
# Battery Backup Option Head End Enclosure



Ground location for optional pendant port cables —



# Battery Backup Option Head End Enclosure



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# Battery Backup Option Head End Enclosure

## Battery Backup Option Head End Enclosure - 3002-450-150

| Item | Part No.     | Part Name                 | Qty. | Item | Part No.     | Part Name                 | Qty |
|------|--------------|---------------------------|------|------|--------------|---------------------------|-----|
| A    | 0004-142-000 | Soc. Hd. Cap Screw        | 2    | AK   | 2040-031-110 | Pivot Bracket, Right      | 1   |
| B    | 0007-052-000 | Truss Hd. Torx Screw      | 22   | AL   | 2040-031-111 | Pivot Bracket, Left       | 1   |
| C    | 0007-053-000 | Truss Hd. Torx Screw      | 2    | AM   | 2040-031-808 | Charger AC Jumper Cable   | 1   |
| D    | 0007-063-000 | Truss Hd. Torx Screw      | 4    | AN   | 2040-031-809 | CPU/Crossover PCB         |     |
| E    | 0007-063-000 | Truss Hd. Torx Screw      | 2    |      |              | Jumper                    | 1   |
| F    | 0013-010-000 | Ext. Tooth Lock Washer    | 5    | AP   | 2040-031-810 | On/Off Cable              | 1   |
| G    | 0013-038-000 | Ext. Tooth Lock Washer    | 1    | AR   | 2040-031-900 | AC Switchover PCB         | 1   |
| H    | 0016-033-000 | Kep Nut                   | 1    | AT   | 2040-231-069 | Display Bumper            | 1   |
| J    | 0023-025-000 | Hex Washer Hd. Screw      | 1    | AU   | 3000-300-002 | Plastic Clip Nut          | 5   |
| K    | 0023-080-000 | Truss Hd. Screw           | 5    | AV   | 3000-300-114 | Wire Tie                  | 5   |
| L    | 0023-112-000 | Hi-Low Tapping Screw      | 6    | AW   | 3000-300-115 | Standoff                  | 4   |
| M    | 0025-040-000 | Rivet                     | 2    | AX   | 3001-300-007 | Jack Screw                | 2   |
| N    | 0034-022-000 | Cord Clamp                | 1    | AY   | 3001-300-099 | Pivot Bearing             | 2   |
| P    | 0036-046-000 | Ground Label              | 1    | BA   | 3001-400-953 | Switch Cap                | 6   |
| R    | 0036-115-000 | Ground Label              | 1    | BB   | 3002-031-053 | Bottom Hd. End Enclosure  | 1   |
| T    | 0037-240-000 | Hole Plug                 | 1    | BC   | 3002-031-063 | Top Head End Enclosure    | 1   |
| U    | 0055-027-000 | "U" Type Nut              | 2    | BD   | 3002-031-092 | Hd. End Electronics Cover | 1   |
| V    | 0059-113-000 | Push-Mount Wire Clip      | 3    | BE   | 3002-031-109 | Reinforcement Brkt.,      |     |
| W    | 0059-191-000 | On/Off Switch             | 1    |      |              | Hd., Lt.                  | 1   |
| X    | 0059-195-000 | 3A Circuit Breaker        | 2    | BF   | 3002-031-110 | Reinforcement Brkt.,      |     |
| Y    | 0059-738-000 | Hole Plug                 | 1    |      |              | Hd., Rt.                  | 1   |
| AA   | 1550-090-001 | Hospital Grade Plug Label | 1    | BG   | 3002-031-112 | Pendant Port Cover        | 1   |
| AB   | 2011-001-104 | Danger Label              | 1    | BH   | 3001-031-114 | Head Board Extender       | 2   |
| AC   | 2011-001-215 | Grounding Lug             | 1    | BJ   | 3002-031-115 | Cover Plate               | 1   |
| AD   | 2030-031-010 | Display Label             | 1    | BK   | 3002-031-801 | CPU Signal Jumper         | 1   |
| AE   | 2030-031-208 | Display Housing           | 1    | BL   | 3002-031-802 | Breaker Jumper            | 1   |
| AF   | 2030-031-910 | Display / CPU             | 1    | BM   | 3002-031-803 | Crossover PCB Jumper      | 1   |
| AG   | 2035-031-880 | Inlet Filter Cable        | 1    | BN   | 3002-007-805 | Zoom to Bed CPU Jumper    | 1   |
| AH   | 2040-031-054 | Bumper Attachment Wldmt.  | 1    | BP   | 3002-031-805 | Bed AC Power Jumper       | 1   |
| AJ   | 2040-031-103 | Power Label               | 1    | BR   | 3002-300-870 | Ground Strap              | 2   |
|      |              |                           |      | BS   | 3002-350-151 | Secure II Logo Label      | 2   |
|      |              |                           |      | BT   | 0059-205-000 | Connector Lock            | 1   |
|      |              |                           |      | BU   | 0016-023-000 | Nylock Hex Nut            | 2   |

# Head End Siderail Assembly

Inside the US and Canada

Outer Siderail Panel  
3001-400-035

Head Rail  
3003-400-515

Inner Siderail Panel  
3001-400-040

Carrier/Arm Assembly  
Reference page 200

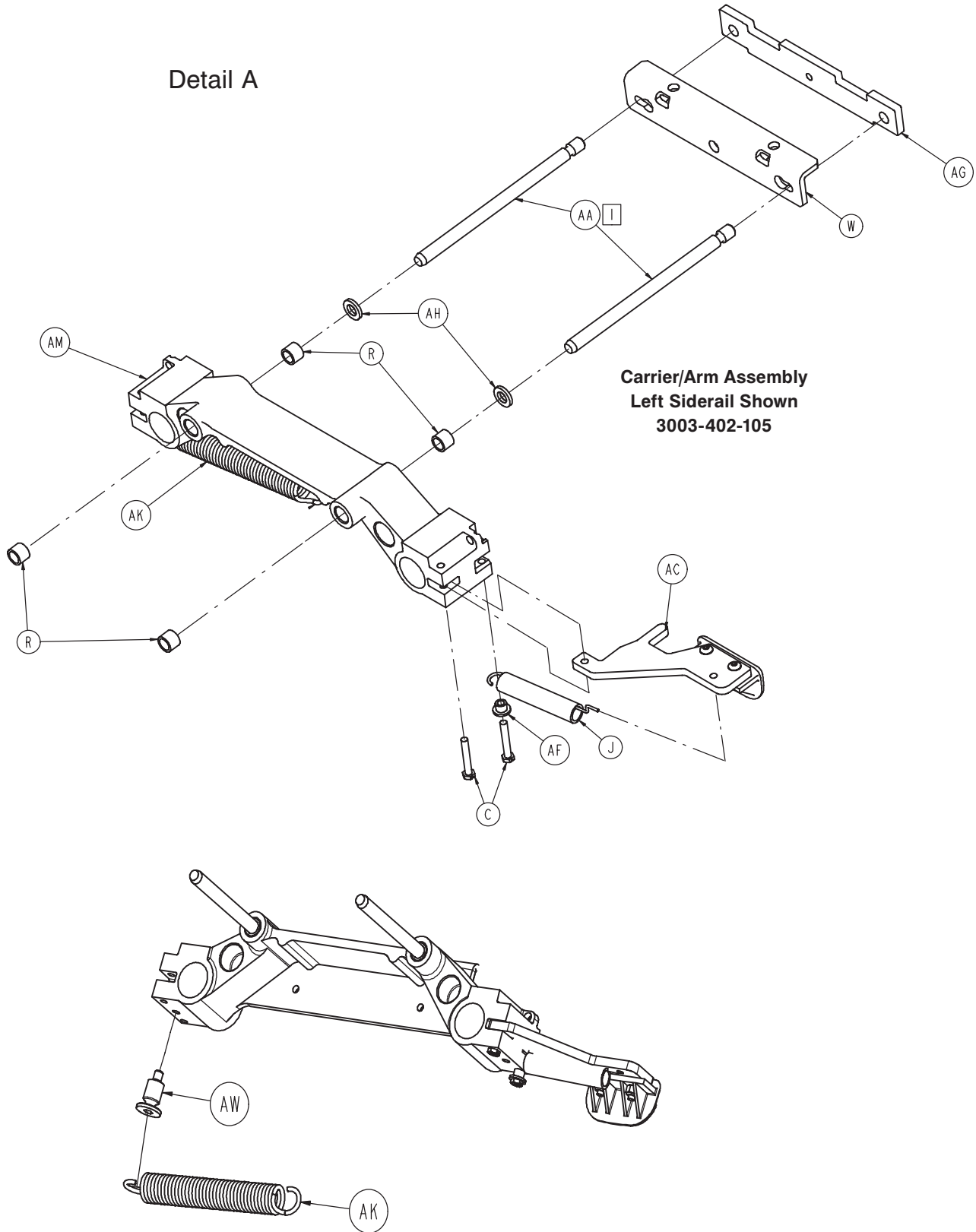
Left Siderail Shown - 3003-402-105

See Detail A

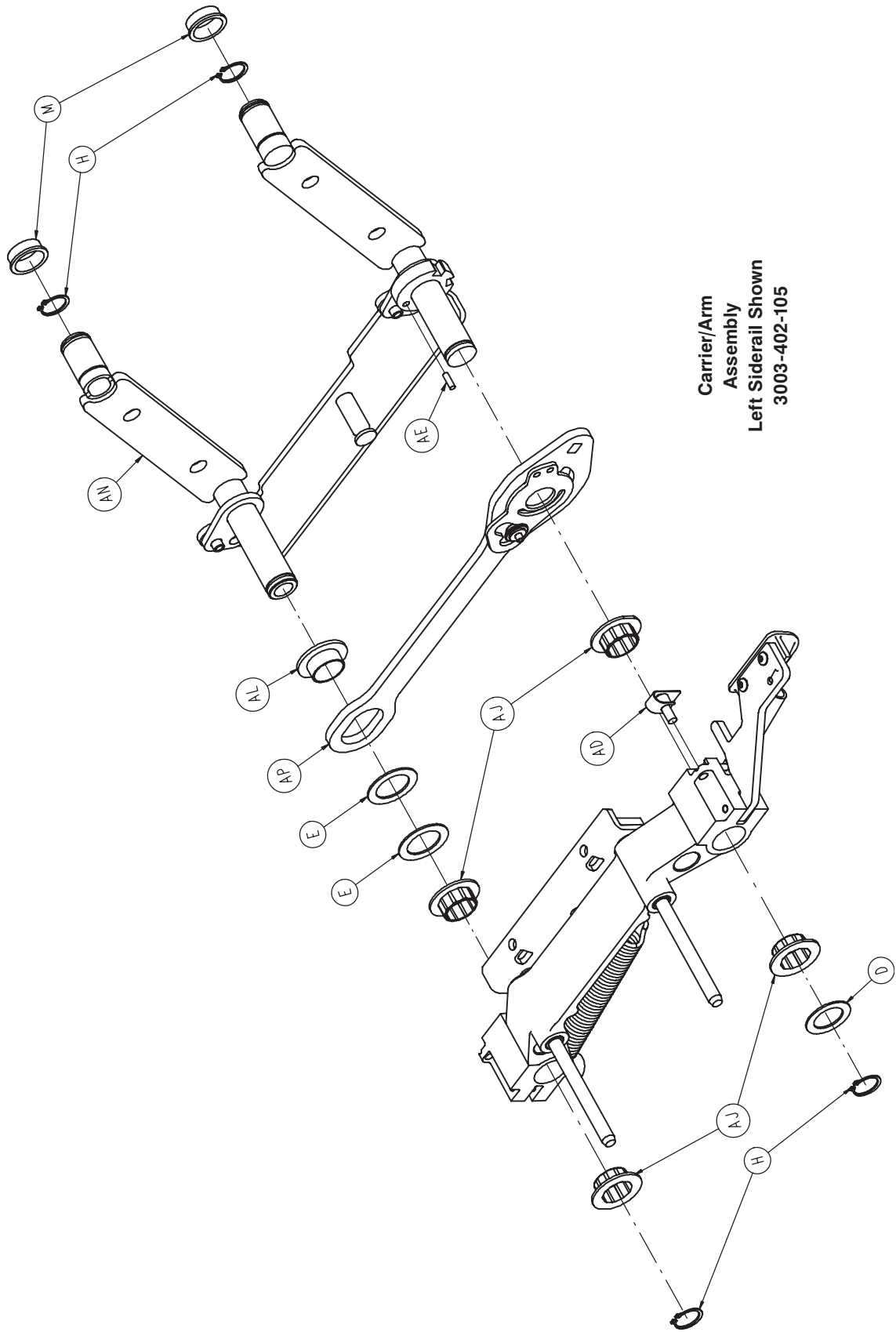
# Head End Siderail Assembly

Inside the US and Canada

Detail A

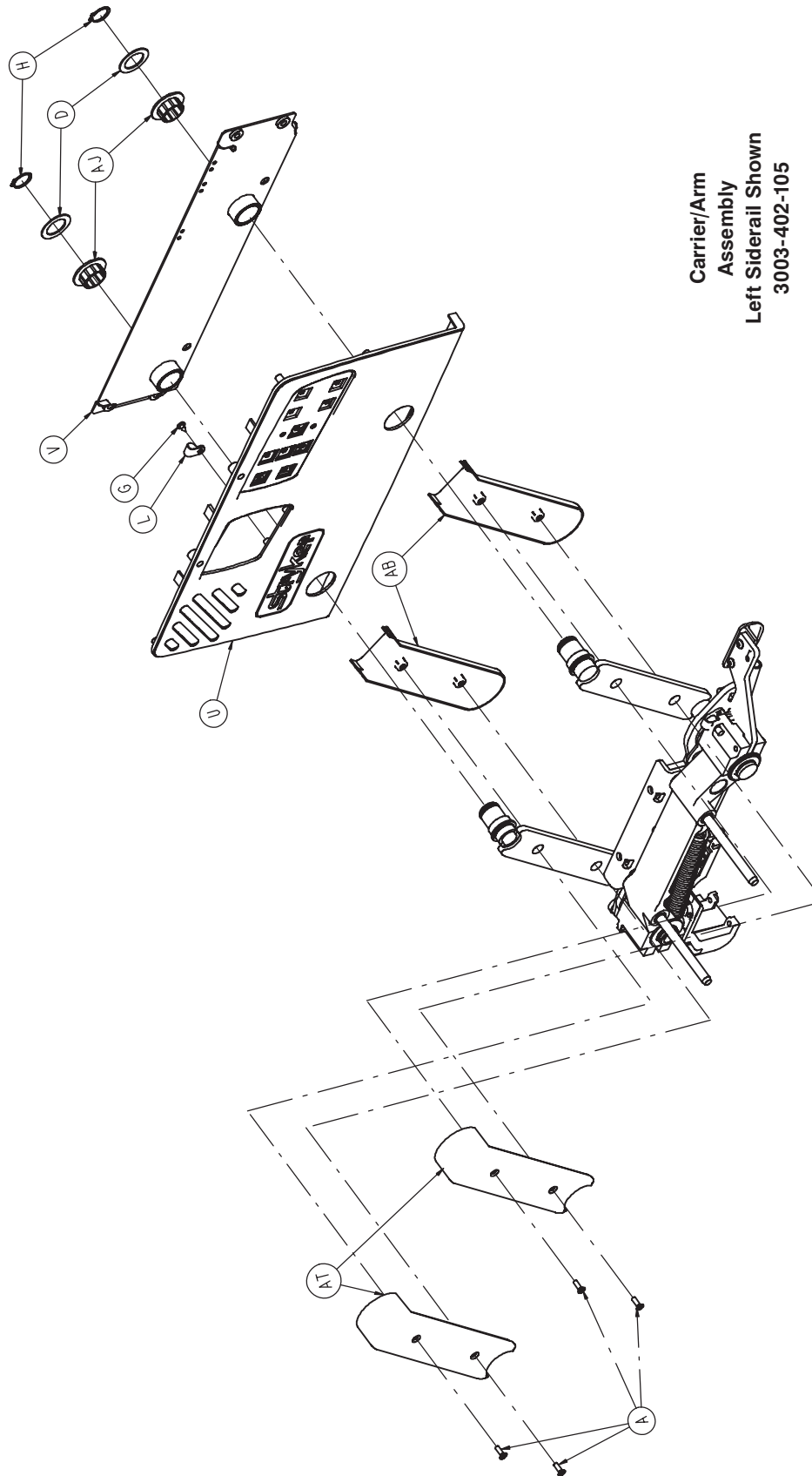


# Head End Siderail Assembly

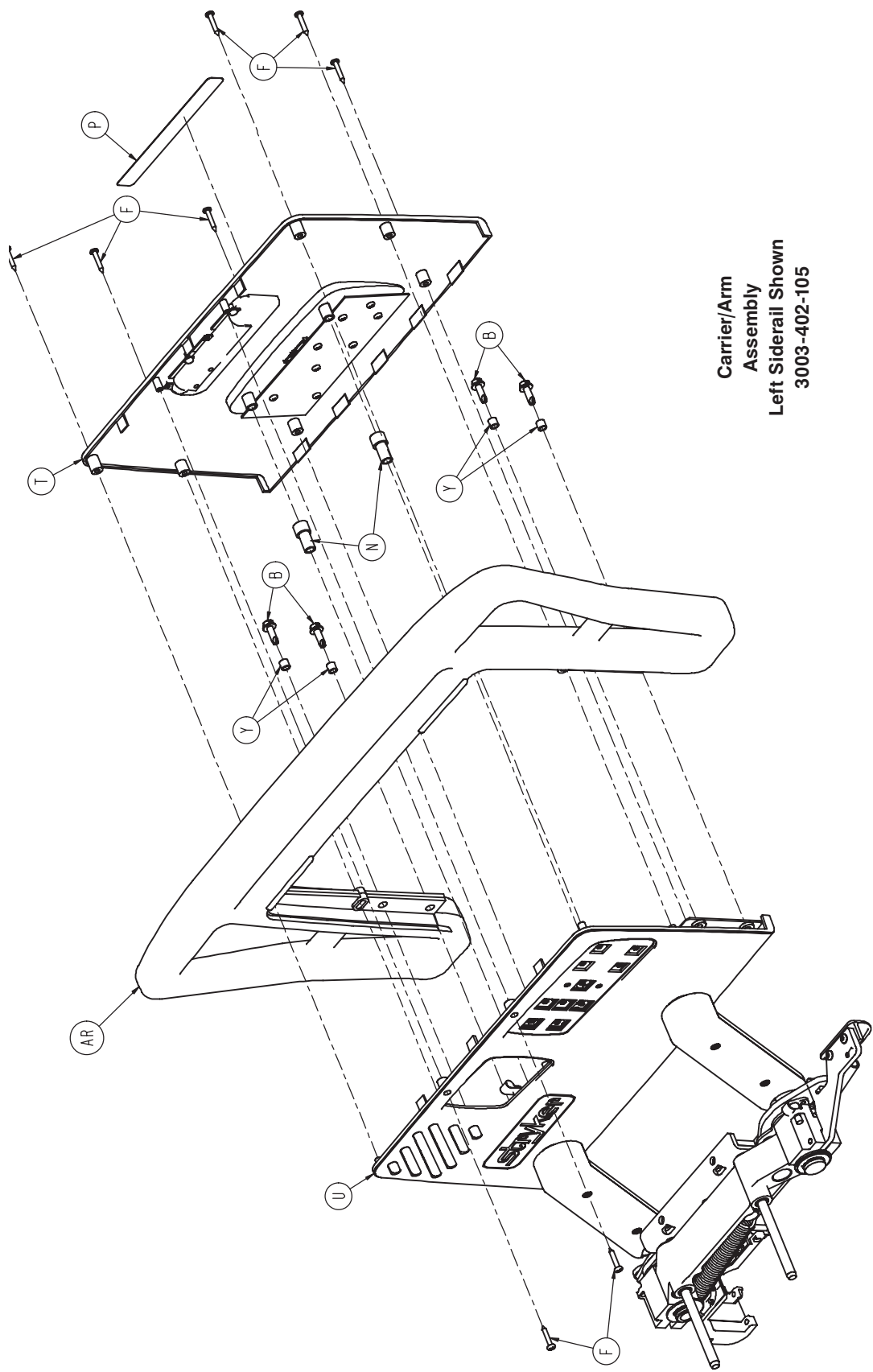


Carrier/Arm  
Assembly  
Left Siderail Shown  
3003-402-105

# Head End Siderail Assembly

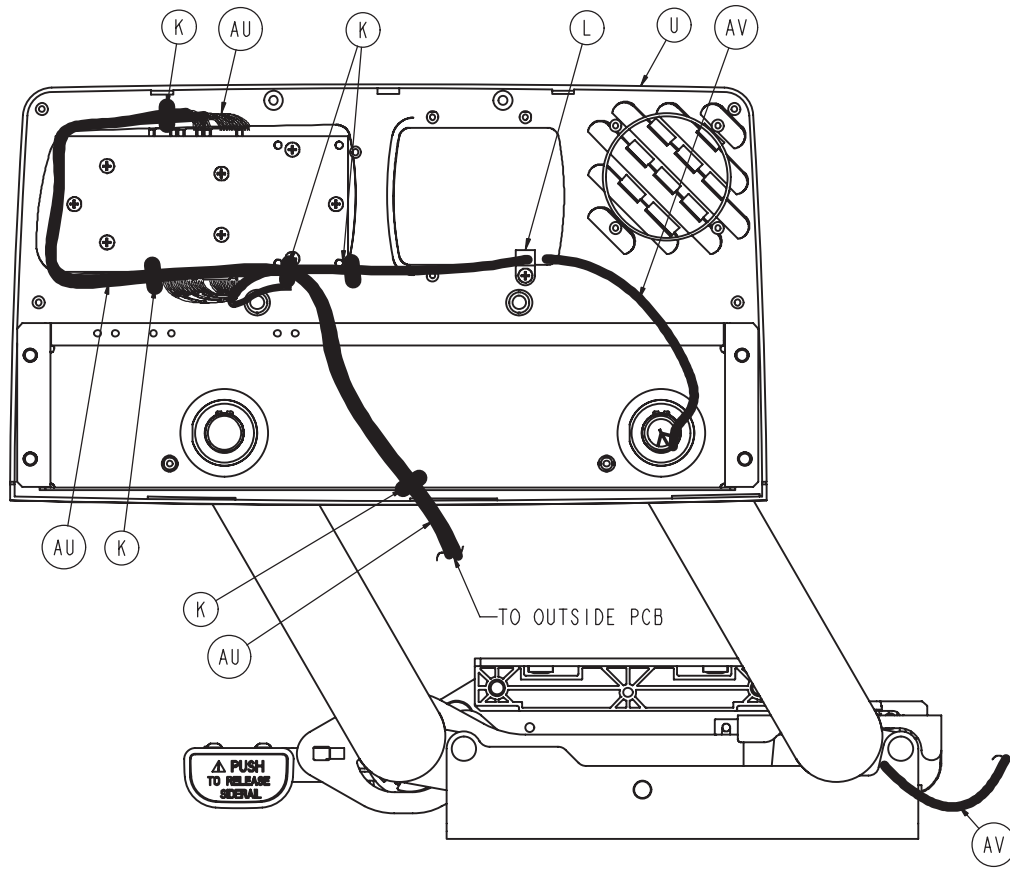


# Head End Siderail Assembly

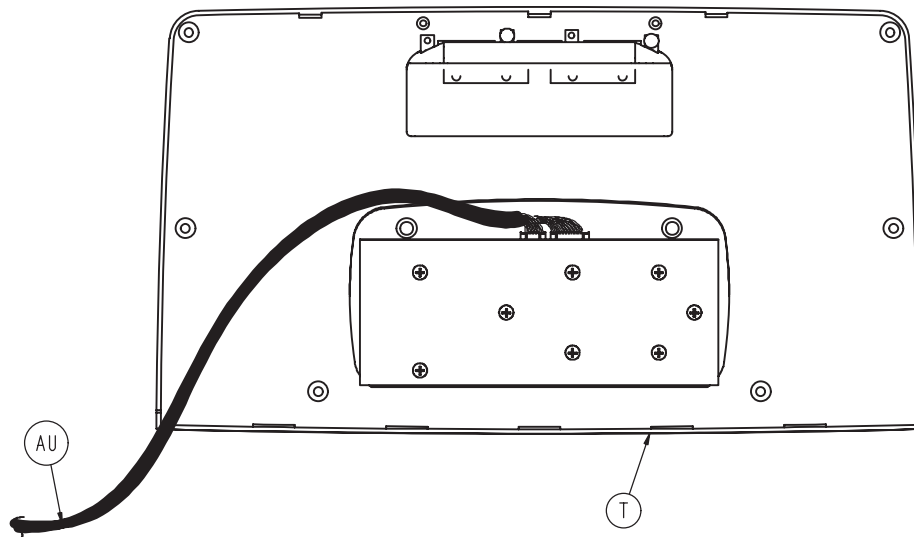


Carrier/Arm  
Assembly  
Left Siderail Shown  
3003-402-105

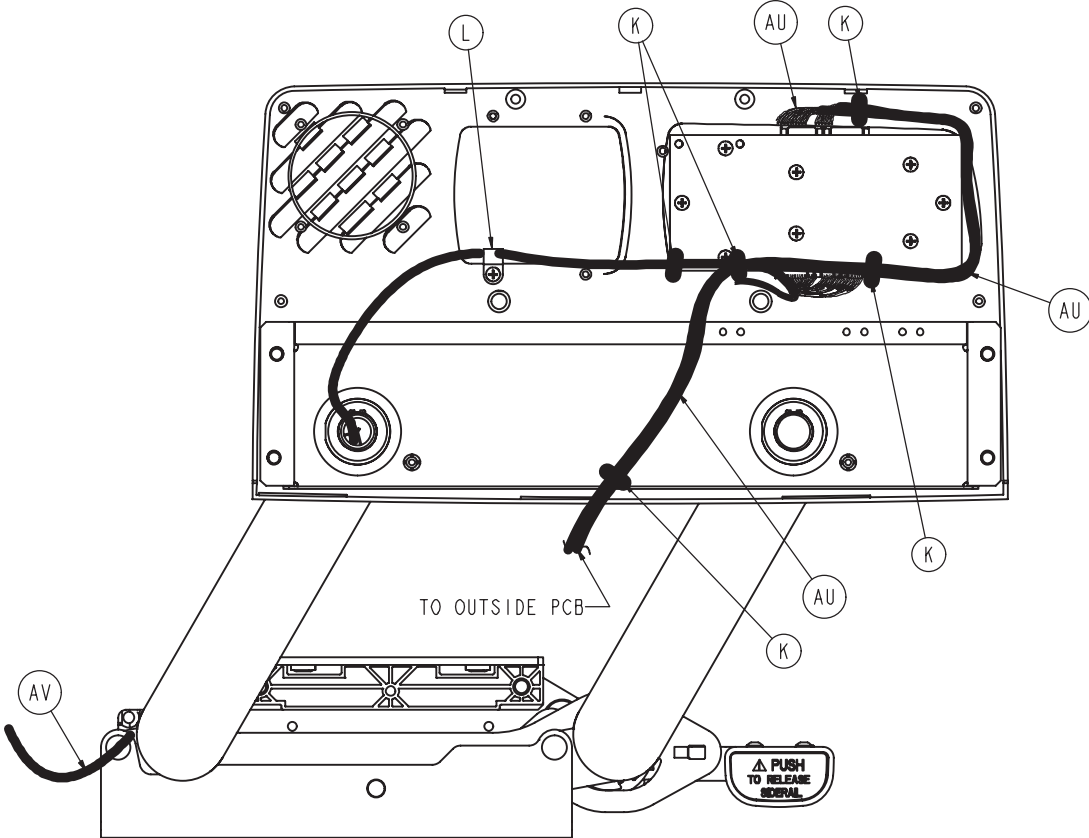
# Head End Siderail Assembly



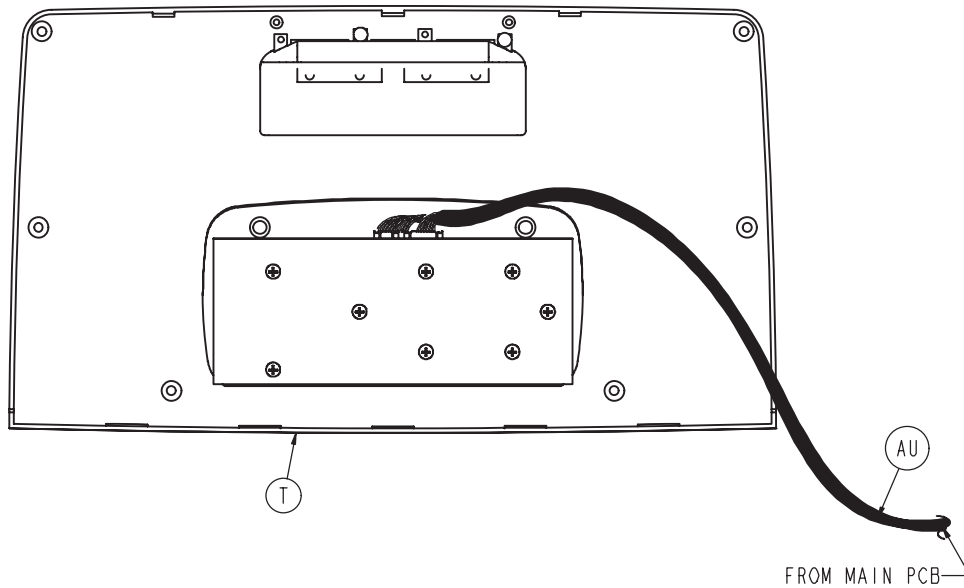
**Left Siderail Wire Routing (Connection to Main PCB)**



**Left Siderail Wire Routing (Connection to Outside PCB)**

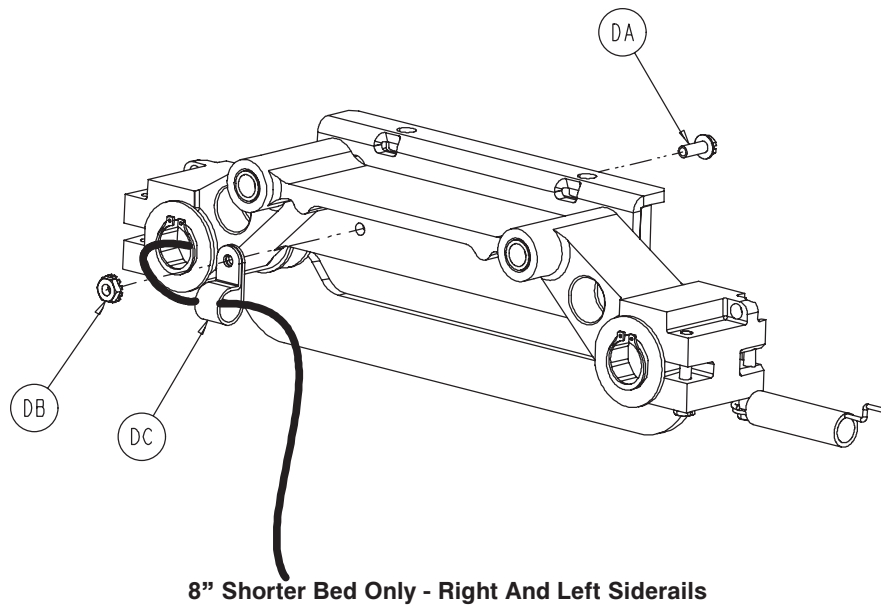
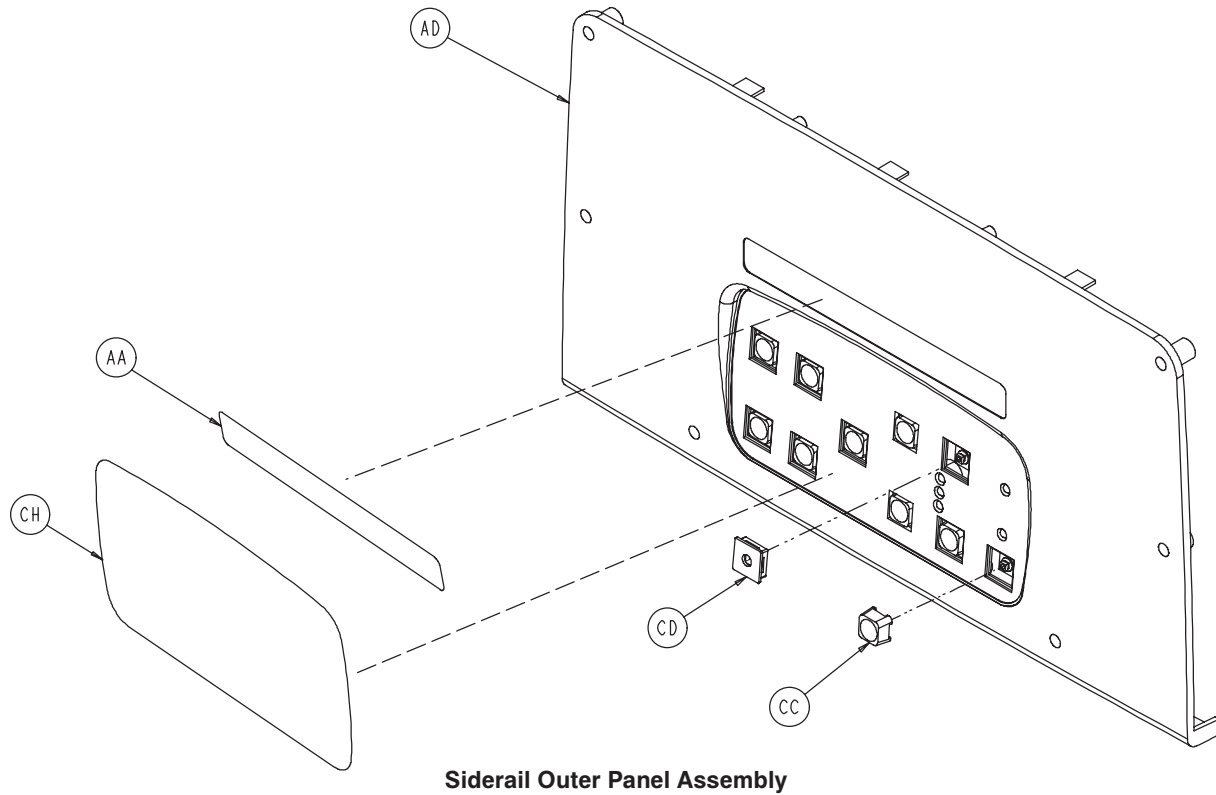


### Right Siderail Wire Routing (Connection to Main PCB)

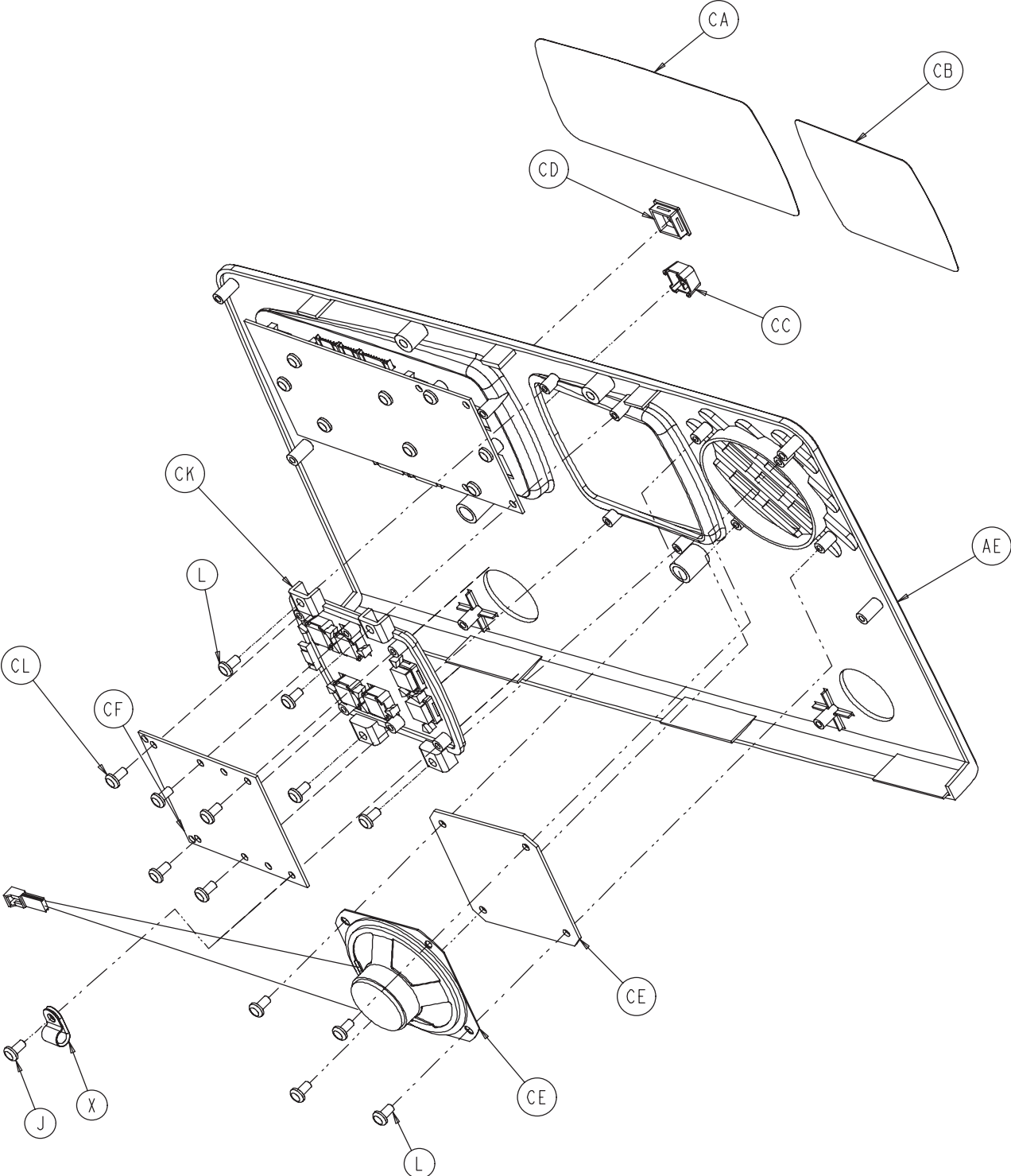


### Right Siderail Wire Routing (Connection to Outside PCB)

# Head End Siderail Assembly



# Head End Siderail Assembly



Siderail Inner Panel Assembly

# Head End Siderail Assembly

Inside the US and Canada Only

## Left Standard Components - 3003-402-105

| Item | Part No.     | Part Name                              | Qty. |
|------|--------------|--|------|
| A    | 0001-072-000 | Flad Head Machine Screw                | 4    |
| B    | 0003-226-000 | Hex Washer Hd. Screw                   | 4    |
| C    | 0003-344-000 | Hex Hd. Screw                          | 2    |
| D    | 0011-343-000 | Shim Washer                            | 3    |
| E    | 0014-093-000 | Washer                                 | 2    |
| F    | 0023-090-000 | High-Low Tapping Screw                 | 8    |
| G    | 0023-112-000 | High-Low Tapping Screw                 | 1    |
| H    | 0028-128-000 | Retaining Ring                         | 6    |
| J    | 3000-200-334 | Release Lever Spring                   | 1    |
| K    | 3000-300-114 | 4" Cable Tie                           | 5    |
| L    | 3000-300-478 | CPR Conduit Clamp                      | 1    |
| M    | 3000-400-513 | Wear Bushing                           | 2    |
| N    | 3000-400-523 | Panel Spacer                           | 2    |
| P    | 3000-400-556 | Warning Label                          | 1    |
| R    | 3000-400-557 | Sleeve Bearing                         | 4    |
| T    | 3001-400-035 | Outer Siderail Panel Ass'y<br>(pg.224) | 1    |
| U    | 3001-400-040 | Inner Siderail Panel Ass'y<br>(pg.225) | 1    |
| V    | 3003-400-130 | Support Wldmt., Hd., LT                | 1    |
| W    | 3001-400-555 | Mounting Bracket                       | 1    |
| Y    | 3001-400-558 | Siderail Spacer                        | 4    |
| AA   | 3001-400-564 | Glide Rod                              | 2    |
| AB   | 3001-400-619 | Outer Arm Cover                        | 2    |
| AC   | 3002-400-055 | Release Lever Ass'y, LT<br>(pg.237)    | 1    |
| AD   | 3002-400-090 | Ball Detent Clip Ass'y<br>(pg.239)     | 1    |
| AE   | 3002-400-505 | Bypass Pin                             | 1    |
| AF   | 3002-400-509 | Bypass Spacer Bushing                  | 1    |
| AG   | 3002-400-511 | Glide Rod Bumper Pad                   | 2    |
| AH   | 3002-400-512 | Bumper Washer                          | 2    |
| AJ   | 3002-400-513 | Pivot Bushing                          | 6    |
| AK   | 3003-402-517 | Foot Rail Tuck Spring                  | 1    |
| AL   | 3002-400-519 | Latch Bushing                          | 1    |
| AM   | 3002-400-528 | Siderail Carrier                       | 1    |
| AN   | 3003-405-005 | Timing Link Ass'y, Hd., LT<br>(pg.226) | 1    |
| AP   | 3003-400-070 | Latch Ass'y, Hd., LT (pg.228)          | 1    |
| AR   | 3003-400-515 | Head Rail                              | 2    |
| AT   | 5000-020-005 | Inner Arm Cover                        | 1    |
| AU   | 3001-400-802 | Main Outside Cable, LT                 | 1    |
| AV   | 3001-400-862 | Siderail Cable                         | 1    |
| AW   | 3003-402-114 | Spring Attachment Pin                  | 1    |

## Right Standard Components - 3003-402-205

| Item | Part No.     | Part Name                              | Qty. |
|------|--------------|--|------|
| A    | 0001-072-000 | Flad Head Machine Screw                | 4    |
| B    | 0003-226-000 | Hex Washer Hd. Screw                   | 4    |
| C    | 0003-344-000 | Hex Hd. Screw                          | 2    |
| D    | 0011-343-000 | Shim Washer                            | 3    |
| E    | 0014-093-000 | Washer                                 | 2    |
| F    | 0023-090-000 | High-Low Tapping Screw                 | 8    |
| G    | 0023-112-000 | High-Low Tapping Screw                 | 1    |
| H    | 0028-128-000 | Retaining Ring                         | 6    |
| J    | 3000-200-334 | Release Lever Spring                   | 1    |
| K    | 3000-300-114 | 4" Cable Tie                           | 5    |
| L    | 3000-300-478 | CPR Conduit Clamp                      | 1    |
| M    | 3000-400-513 | Wear Bushing                           | 2    |
| N    | 3000-400-523 | Panel Spacer                           | 2    |
| P    | 3000-400-556 | Warning Label                          | 1    |
| R    | 3000-400-557 | Sleeve Bearing                         | 4    |
| T    | 3001-400-035 | Outer Siderail Panel Ass'y<br>(pg.224) | 1    |
| U    | 3001-400-045 | Inner Siderail Panel Ass'y<br>(pg.225) | 1    |
| V    | 3003-400-230 | Support Weldment, Hd., RH              | 1    |
| W    | 3001-400-555 | Mounting Bracket                       | 1    |
| Y    | 3001-400-558 | Siderail Spacer                        | 4    |
| AA   | 3001-400-564 | Glide Rod                              | 2    |
| AB   | 3001-400-619 | Outer Arm Cover                        | 2    |
| AC   | 3002-400-065 | Release Lever Ass'y, RH<br>(pg.238)    | 1    |
| AD   | 3002-400-090 | Ball Detent Clip Ass'y<br>(pg.239)     | 1    |
| AE   | 3002-400-505 | Bypass Pin                             | 1    |
| AF   | 3002-400-509 | Bypass Spacer Bushing                  | 1    |
| AG   | 3002-400-511 | Glide Rod Bumper Pad                   | 2    |
| AH   | 3002-400-512 | Bumper Washer                          | 2    |
| AJ   | 3002-400-513 | Pivot Bushing                          | 6    |
| AK   | 3003-402-517 | Foot Rail Tuck Spring                  | 1    |
| AL   | 3002-400-519 | Latch Bushing                          | 1    |
| AM   | 3002-400-528 | Siderail Carrier                       | 1    |
| AN   | 3003-402-010 | Timing Link Ass'y, Hd., RH<br>Pg.227)  | 1    |
| AP   | 3003-400-075 | Latch Ass'y, Hd., RH (pg.229)          | 1    |
| AR   | 5003-400-515 | Head Rail                              | 2    |
| AT   | 5000-020-005 | Inner Arm Cover                        | 1    |
| AU   | 3001-400-801 | Main Outside Cable, RH                 | 1    |
| AV   | 3001-400-862 | Siderail Cable                         | 1    |
| AW   | 3003-402-114 | Spring Attachment Pin                  | 1    |

## Left Rail - 8" Shorter Bed - 3002-442-106

| Item | Part No.     | Part Name            | Qty. |
|------|--------------|----------------------|------|
| DA   | 0003-124-000 | Hex Washer Hd. Screw | 1    |
| DB   | 0016-041-000 | Kep Nut              | 1    |
| DC   | 0034-022-000 | Cable Clamp          | 1    |
| AV   | 3001-442-862 | Siderail Cable       | 1    |

## Right Rail - 8" Shorter Bed - 3002-442-206

| Item | Part No.     | Part Name            | Qty. |
|------|--------------|----------------------|------|
| DA   | 0003-124-000 | Hex Washer Hd. Screw | 1    |
| DB   | 0016-041-000 | Kep Nut              | 1    |
| DC   | 0034-022-000 | Cable Clamp          | 1    |
| AV   | 3001-442-862 | Siderail Cable       | 1    |

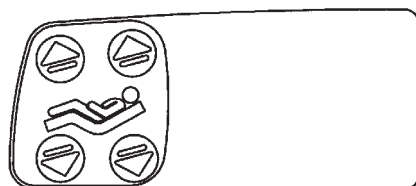
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# Head End Siderail Assembly

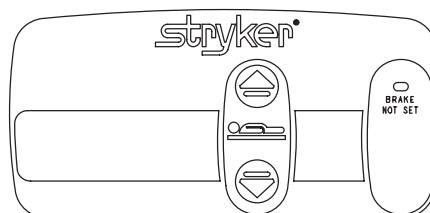
## Standard Siderail - 3002-999-001

| Item | Part No.     | Part Name                         | Qty. |
|------|--------------|-----------------------------------|------|
| CA   | 3002-400-620 | Standard Label, Inner, Left       | 1    |
| CA   | 3002-400-610 | Standard Label, Inner, Right      | 1    |
| CC   | 3001-400-953 | Switch Cap                        | 12   |
| CD   | 3001-400-522 | Filler Cap                        | 28   |
| CE   | 3001-400-517 | Speaker Seal                      | 2    |
| CF   | 3001-400-535 | Blank Module                      | 2    |
| CH   | 3002-400-630 | Blue Standard Label, Outer, Left  | 1    |
| CH   | 3002-400-640 | Blue Standard Label, Outer, Right | 1    |

Inner Right Siderail Label



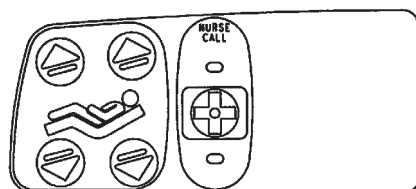
Outer Right Siderail Label



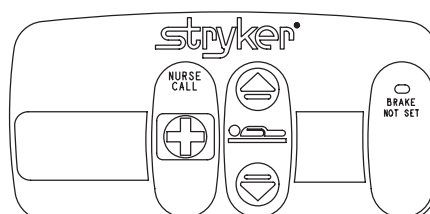
## Standard Siderail with Nurse Call - 3002-999-002

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-621 | Nurse Call Label, Inner, Left       | 1    |
| CA   | 3002-400-611 | Nurse Call Label, Inner, Right      | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 16   |
| CD   | 3001-400-522 | Filler Cap                          | 24   |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-631 | Blue Nurse Call Label, Outer, Left  | 1    |
| CH   | 3002-400-641 | Blue Nurse Call Label, Outer, Right | 1    |

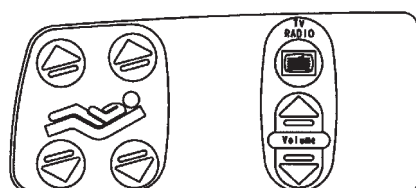
Inner Right Siderail Label



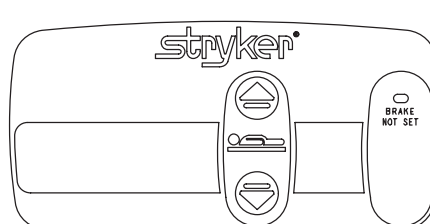
Outer Right Siderail Label



Inner Right Siderail Label



Outer Right Siderail Label



## Standard Siderail with TV/Radio - 3002-999-018

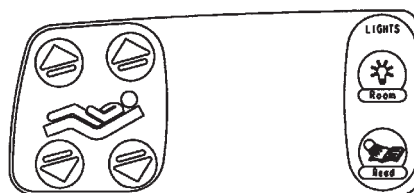
| Item | Part No.     | Part Name                         | Qty. |
|------|--------------|-----------------------------------|------|
| CA   | 3002-400-626 | TV Label, Inner, Left             | 1    |
| CA   | 3002-400-616 | TV Label, Inner, Right            | 1    |
| CC   | 3001-400-953 | Switch Cap                        | 18   |
| CD   | 3001-400-522 | Filler Cap                        | 22   |
| CE   | 3001-403-831 | Speaker With Cable                | 2    |
| CF   | 3001-400-535 | Blank Module                      | 2    |
| CH   | 3002-400-630 | Blue Standard Label, Outer, Left  | 1    |
| CH   | 3002-400-640 | Blue Standard Label, Outer, Right | 1    |

# Head End Siderail Assembly

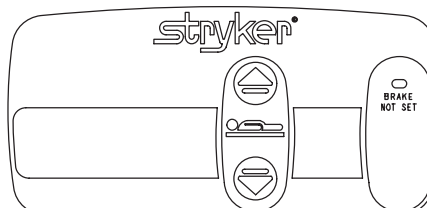
## Standard Siderail with Lights - 3002-999-029

| Item | Part No.     | Part Name                         | Qty. |
|------|--------------|-----------------------------------|------|
| CA   | 3002-400-627 | Lights Label, Inner, Left         | 1    |
| CA   | 3002-400-617 | Lights Label, Inner, Right        | 1    |
| CC   | 3001-400-953 | Switch Cap                        | 16   |
| CD   | 3001-400-522 | Filler Cap                        | 24   |
| CE   | 3001-400-517 | Speaker Seal                      | 2    |
| CF   | 3001-400-535 | Blank Module                      | 2    |
| CH   | 3002-400-630 | Blue Standard Label, Outer, Left  | 1    |
| CH   | 3002-400-640 | Blue Standard Label, Outer, Right | 1    |

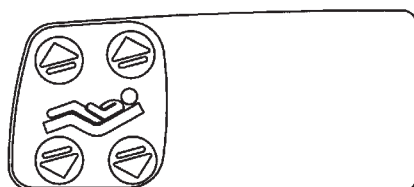
### Inner Right Siderail Label



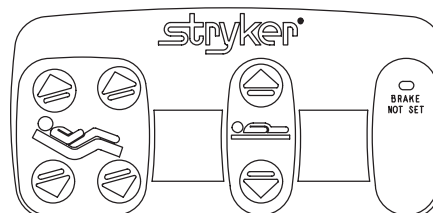
### Outer Right Siderail Label



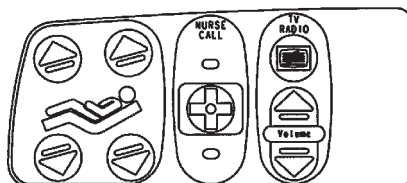
### Inner Right Siderail Label



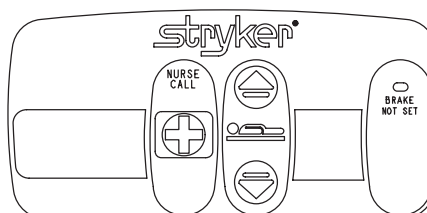
### Outer Right Siderail Label



### Inner Right Siderail Label



### Outer Right Siderail Label



## Standard Siderail with Gatch/Fowler - 3002-999-032

| Item | Part No.     | Part Name                    | Qty. |
|------|--------------|------------------------------|------|
| CA   | 3002-400-620 | Standard Label Inner, Left   | 1    |
| CA   | 3002-400-610 | Standard Label, Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                   | 20   |
| CD   | 3001-400-522 | Filler Cap                   | 20   |
| CE   | 3001-400-517 | Speaker Seal                 | 2    |
| CF   | 3001-400-535 | Blank Module                 | 2    |
| CH   | 3002-400-636 | Blue G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-646 | Blue G/F Label, Outer, Right | 1    |

## Standard Siderail w/Nurse Call & TV/Radio - 3002-999-003

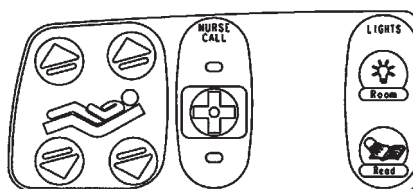
| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-622 | NC, TV Label, Inner, Left           | 1    |
| CA   | 3002-400-612 | NC, TV Label, Inner, Right          | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 22   |
| CD   | 3001-400-522 | Filler Cap                          | 18   |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-631 | Blue Nurse Call Label, Outer, Left  | 1    |
| CH   | 3002-400-641 | Blue Nurse Call Label, Outer, Right | 1    |

# Head End Siderail Assembly

## Standard Siderail w/Nurse Call & Lights - 3002-999-011

| Item | Part No.     | Part Name                      | Qty. |
|------|--------------|--------------------------------|------|
| CA   | 3002-400-625 | NC, Lights Label, Inner, Left  | 1    |
| CA   | 3002-400-615 | NC, Lights Label, Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                     | 20   |
| CD   | 3001-400-522 | Filler Cap                     | 20   |
| CE   | 3001-403-831 | Speaker With Cable             | 2    |
| CF   | 3001-400-535 | Blank Module                   | 2    |
| CH   | 3002-400-631 | Blue NC Label, Outer, Left     | 1    |
| CH   | 3002-400-641 | Blue NC Label, Outer, Right    | 1    |

### Inner Right Siderail Label



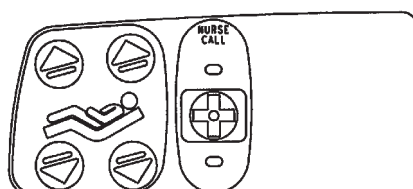
### Outer Right Siderail Label



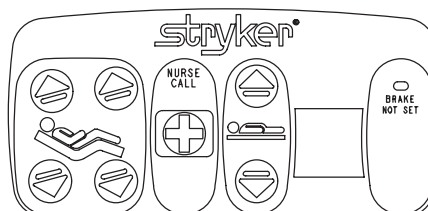
## Standard Siderail with Nurse Call & Gatch/Fowler - 3002-999-017

| Item | Part No.     | Part Name                        | Qty. |
|------|--------------|----------------------------------|------|
| CA   | 3002-400-621 | Nurse Call Label, Inner, Left    | 1    |
| CA   | 3002-400-611 | Nurse Call Label, Inner, Right   | 1    |
| CC   | 3001-400-953 | Switch Cap                       | 24   |
| CD   | 3001-400-522 | Filler Cap                       | 16   |
| CE   | 3001-403-831 | Speaker With Cable               | 2    |
| CF   | 3001-400-535 | Blank Module                     | 2    |
| CH   | 3002-400-632 | Blue NC, G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-642 | Blue NC, G/F Label, Outer, Right | 1    |

### Inner Right Siderail Label



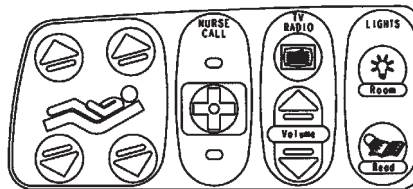
### Outer Right Siderail Label



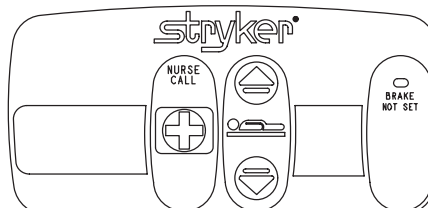
## Standard Siderail with Nurse Call, TV/ Radio & Lights - 3002-999-004

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-623 | NC, TV, Lights Label, Inner, Left   | 1    |
| CA   | 3002-400-613 | NC, TV, Lights Label, Inner, Right  | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 26   |
| CD   | 3001-400-522 | Filler Cap                          | 14   |
| CE   | 3001-403-831 | Speaker with Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-631 | Blue Nurse Call Label, Outer, Left  | 1    |
| CH   | 3002-400-641 | Blue Nurse Call Label, Outer, Right | 1    |

### Inner Right Siderail Label



### Outer Right Siderail Label

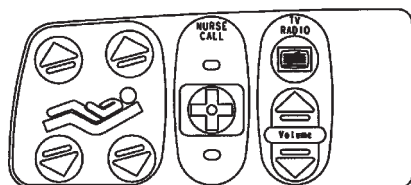


# Head End Siderail Assembly

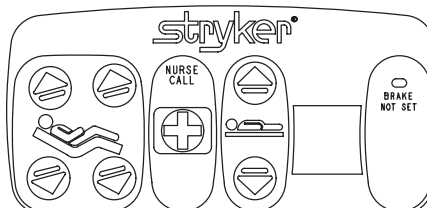
## Standard Siderail w/Nurse Call, TV/ Radio, & G/F - 3002-999-010

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-622 | NC, TV Label, Inner, Left           | 1    |
| CA   | 3002-400-612 | NC, TV Label, Inner, Right          | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 30   |
| CD   | 3001-400-522 | Filler Cap                          | 10   |
| CE   | 3001-403-831 | Speaker with Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-632 | Blue NC, G/F Label,<br>Outer, Left  | 1    |
| CH   | 3002-400-642 | Blue NC, G/F Label,<br>Outer, Right | 1    |

### Inner Right Siderail Label



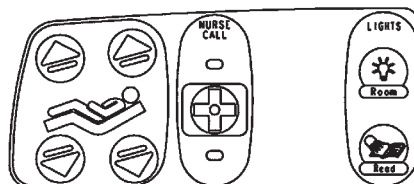
### Outer Right Siderail Label



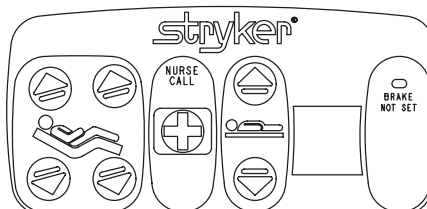
## Standard Siderail with Nurse Call, Lights, and G/F - 3002-999-014

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-625 | NC, Lights Label Inner, Left        | 1    |
| CA   | 3002-400-615 | NC, Lights Label, Inner, Right      | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 28   |
| CD   | 3001-400-522 | Filler Cap                          | 12   |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-632 | Blue NC, G/F Label,<br>Outer, Left  | 1    |
| CH   | 3002-400-642 | Blue NC, G/F Label,<br>Outer, Right | 1    |

### Inner Right Siderail Label



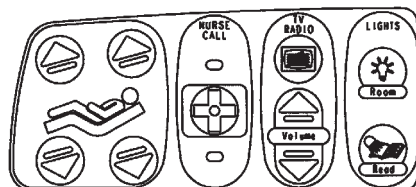
### Outer Right Siderail Label



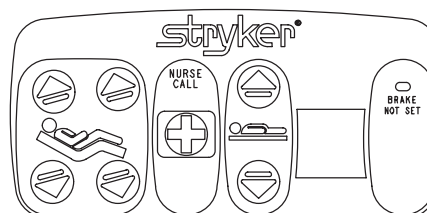
## Standard Siderail w/Nurse Call, TV/ Radio, Lights, & G/F - 3002-999-007

| Item | Part No.     | Part Name                             | Qty. |
|------|--------------|---------------------------------------|------|
| CA   | 3002-400-623 | NC, TV, Lights Label,<br>Inner, Left  | 1    |
| CA   | 3002-400-613 | NC, TV, Lights Label,<br>Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                            | 34   |
| CD   | 3001-400-522 | Filler Cap                            | 6    |
| CE   | 3001-403-831 | Speaker with Cable                    | 2    |
| CF   | 3001-400-535 | Blank Module                          | 2    |
| CH   | 3002-400-632 | Blue NC, G/F Label,<br>Outer, Left    | 1    |
| CH   | 3002-400-642 | Blue NC, G/F Label,<br>Outer, Right   | 1    |

### Inner Right Siderail Label



### Outer Right Siderail Label

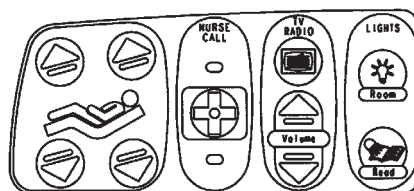


# Head End Siderail Assembly

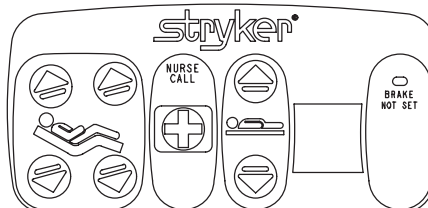
## Standard Siderail w/Nurse Call, TV/ Radio, Lights, & G/F - 3002-999-007

| Item | Part No.     | Part Name                             | Qty. |
|------|--------------|---------------------------------------|------|
| CA   | 3002-400-623 | NC, TV, Lights Label,<br>Inner, Left  | 1    |
| CA   | 3002-400-613 | NC, TV, Lights Label,<br>Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                            | 34   |
| CD   | 3001-400-522 | Filler Cap                            | 6    |
| CE   | 3001-403-831 | Speaker with Cable                    | 2    |
| CF   | 3001-400-535 | Blank Module                          | 2    |
| CH   | 3002-400-632 | Blue NC, G/F Label,<br>Outer, Left    | 1    |
| CH   | 3002-400-642 | Blue NC, G/F Label,<br>Outer, Right   | 1    |

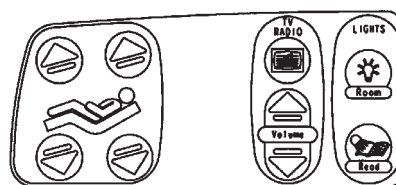
### Inner Right Siderail Label



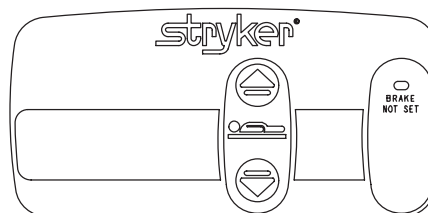
### Outer Right Siderail Label



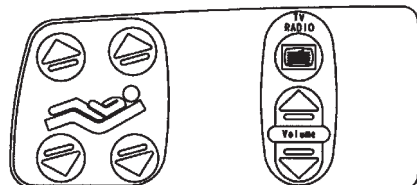
### Inner Right Siderail Label



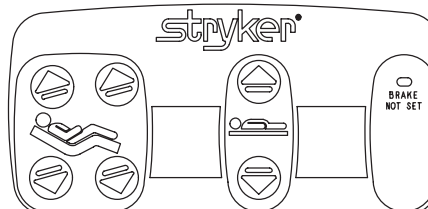
### Outer Right Siderail Label



### Inner Right Siderail Label



### Outer Right Siderail Label



## Standard Siderail with TV/Radio & Lights - 3002-999-019

| Item | Part No.     | Part Name                            | Qty. |
|------|--------------|--------------------------------------|------|
| CA   | 3002-400-624 | TV, Lights Label, Inner, Left        | 1    |
| CA   | 3002-400-614 | TV, Lights Label, Inner, Right       | 1    |
| CC   | 3001-400-953 | Switch Cap                           | 26   |
| CD   | 3001-400-522 | Filler Cap                           | 14   |
| CE   | 3001-403-831 | Speaker with Cable                   | 2    |
| CF   | 3001-400-535 | Blank Module                         | 2    |
| CH   | 3002-400-630 | Blue Standard Label,<br>Outer, Left  | 1    |
| CH   | 3002-400-640 | Blue Standard Label,<br>Outer, Right | 1    |

## Standard Siderail with TV/Radio and G/F - 3002-999-025

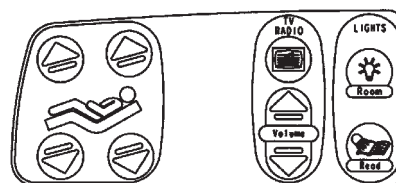
| Item | Part No.     | Part Name                    | Qty. |
|------|--------------|------------------------------|------|
| CA   | 3002-400-626 | TV Label, Inner, Left        | 1    |
| CA   | 3002-400-616 | TV Label, Inner, Right       | 1    |
| CC   | 3001-400-953 | Switch Cap                   | 26   |
| CD   | 3001-400-522 | Filler Cap                   | 14   |
| CE   | 3001-403-831 | Speaker with Cable           | 2    |
| CF   | 3001-400-535 | Blank Module                 | 2    |
| CH   | 3002-400-636 | Blue G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-646 | Blue G/F Label, Outer, Right | 1    |

# Head End Siderail Assembly

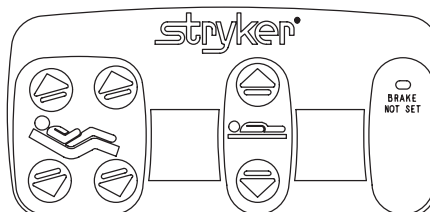
## Standard Siderail with TV/Radio, Lights, and G/F - 3002-999-022

| Item | Part No.     | Part Name                      | Qty. |
|------|--------------|--------------------------------|------|
| CA   | 3002-400-624 | TV, Lights Label, Inner, Left  | 1    |
| CA   | 3002-400-614 | TV, Lights Label, Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                     | 30   |
| CD   | 3001-400-522 | Filler Cap                     | 10   |
| CE   | 3001-403-831 | Speaker with Cable             | 2    |
| CF   | 3001-400-535 | Blank Module                   | 2    |
| CH   | 3002-400-636 | Blue G/F Label, Outer, Left    | 1    |
| CH   | 3002-400-646 | Blue G/F Label, Outer, Right   | 1    |

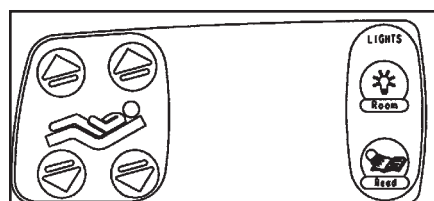
### Inner Right Siderail Label



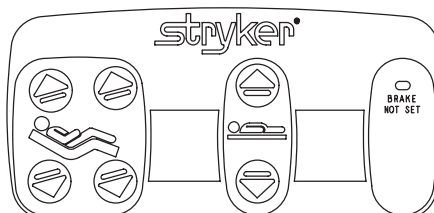
### Outer Right Siderail Label



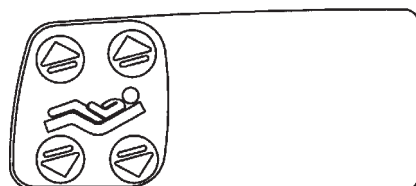
### Inner Right Siderail Label



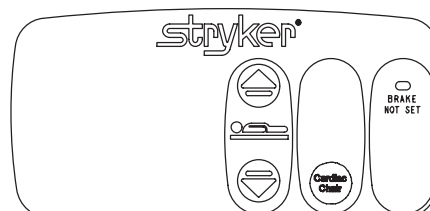
### Outer Right Siderail Label



### Inner Right Siderail Label



### Outer Right Siderail Label



## Standard Siderail with Lights and Gatch/Fowler - 3002-999-028

| Item | Part No.     | Part Name                    | Qty. |
|------|--------------|------------------------------|------|
| CA   | 3002-400-627 | Lights Label, Inner, Left    | 1    |
| CA   | 3002-400-617 | Lights Label, Inner, Right   | 1    |
| CC   | 3001-400-953 | Switch Cap                   | 24   |
| CD   | 3001-400-522 | Filler Cap                   | 16   |
| CE   | 3001-400-517 | Speaker Seal                 | 2    |
| CF   | 3001-400-535 | Blank Module                 | 2    |
| CH   | 3002-400-636 | Blue G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-646 | Blue G/F Label, Outer, Right | 1    |

## Standard Siderail with Cardiac Chair - 3002-999-030

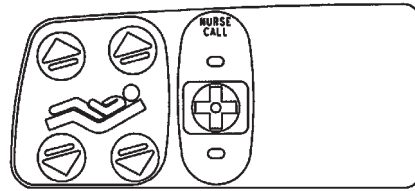
| Item | Part No.     | Part Name                    | Qty. |
|------|--------------|------------------------------|------|
| CA   | 3002-400-620 | Standard Label, Inner, Left  | 1    |
| CA   | 3002-400-610 | Standard Label, Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                   | 14   |
| CD   | 3001-400-522 | Filler Cap                   | 26   |
| CE   | 3001-400-517 | Speaker Seal                 | 2    |
| CF   | 3001-400-535 | Blank Module                 | 2    |
| CH   | 3002-400-637 | Blue CC Label, Outer, Left   | 1    |
| CH   | 3002-400-647 | Blue CC Label, Outer, Right  | 1    |

# Head End Sderail Assembly

## Standard Siderail with Cardiac Chair and Nurse Call - 3002-999-015

| Item | Part No.     | Part Name                         | Qty. |
|------|--------------|-----------------------------------|------|
| CA   | 3002-400-621 | Nurse Call Label, Inner, Left     | 1    |
| CA   | 3002-400-611 | Nurse Call Label, Inner, Right    | 1    |
| CC   | 3001-400-953 | Switch Cap                        | 18   |
| CD   | 3001-400-522 | Filler Cap                        | 22   |
| CE   | 3001-403-831 | Speaker With Cable                | 2    |
| CF   | 3001-400-535 | Blank Module                      | 2    |
| CH   | 3002-400-635 | Blue CC & N/C Label, Outer, Left  | 1    |
| CH   | 3002-400-645 | Blue CC & N/C Label, Outer, Right | 1    |

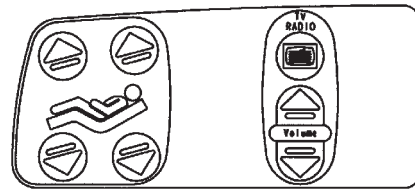
### Inner Right Siderail Label



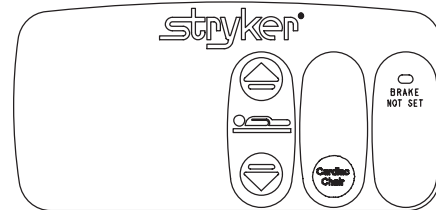
### Outer Right Siderail Label



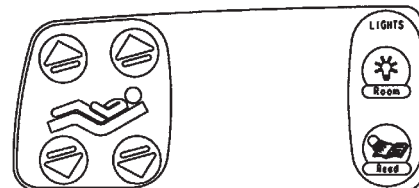
### Inner Right Siderail Label



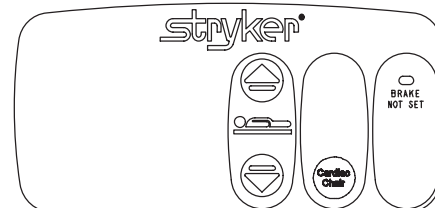
### Outer Right Siderail Label



### Inner Right Siderail Label



### Outer Right Siderail Label



## Standard Siderail with Cardiac Chair and TV/Radio - 3002-999-024

| Item | Part No.     | Part Name                      | Qty. |
|------|--------------|--------------------------------|------|
| CA   | 3002-400-626 | TV Label, Inner, Left          | 1    |
| CA   | 3002-400-616 | TV Label, Inner, Right         | 1    |
| CC   | 3001-400-953 | Switch Cap                     | 18   |
| CD   | 3001-400-522 | Filler Cap                     | 22   |
| CE   | 3001-403-831 | Speaker With Cable             | 2    |
| CF   | 3001-400-535 | Blank Module                   | 2    |
| CH   | 3002-400-637 | Blue CC, TV Label, Outer, Left | 1    |
| CH   | 3002-400-647 | Blue CC Label, Outer, Right    | 1    |

## Standard Siderail with Cardiac Chair and Lights - 3002-999-026

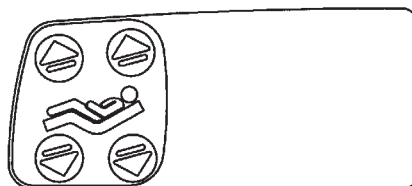
| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| CA   | 3002-400-627 | Lights Label, Inner, Left   | 1    |
| CA   | 3002-400-617 | Lights Label, Inner, Right  | 1    |
| CC   | 3001-400-953 | Switch Cap                  | 18   |
| CD   | 3001-400-522 | Filler Cap                  | 22   |
| CE   | 3001-400-517 | Speaker Seal                | 2    |
| CF   | 3001-400-535 | Blank Module                | 2    |
| CH   | 3002-400-637 | Blue CC Label, Outer, Left  | 1    |
| CH   | 3002-400-647 | Blue CC Label, Outer, Right | 1    |

# Head End Siderail Assembly

## Standard Siderail with Cardiac Chair and Gatch/Fowler - 3002-999-031

| Item | Part No.     | Part Name                        | Qty. |
|------|--------------|----------------------------------|------|
| CA   | 3002-400-620 | Standard Label Inner, Left       | 1    |
| CA   | 3002-400-610 | Standard Label, Inner, Right     | 1    |
| CC   | 3001-400-953 | Switch Cap                       | 22   |
| CD   | 3001-400-522 | Filler Cap                       | 18   |
| CE   | 3001-400-517 | Speaker Seal                     | 2    |
| CF   | 3001-400-535 | Blank Module                     | 2    |
| CH   | 3002-400-634 | Blue CC, G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-644 | Blue CC, G/F Label, Outer, Right | 1    |

Inner Right Siderail Label



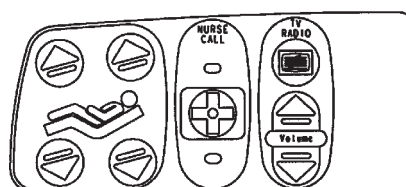
Outer Right Siderail Label



Inner Right Siderail Label

## Standard Siderail with Cardiac Chair, N/C and TV/Radio - 3002-999-009

| Item | Part No.     | Part Name                         | Qty. |
|------|--------------|-----------------------------------|------|
| CA   | 3002-400-622 | NC, TV Label, Inner, Left         | 1    |
| CA   | 3002-400-612 | NC, TV Label, Inner, Right        | 1    |
| CC   | 3001-400-953 | Switch Cap                        | 24   |
| CD   | 3001-400-522 | Filler Cap                        | 16   |
| CE   | 3001-403-831 | Speaker With Cable                | 2    |
| CF   | 3001-400-535 | Blank Module                      | 2    |
| CH   | 3002-400-635 | Blue CC & N/C Label, Outer, Left  | 1    |
| CH   | 3002-400-645 | Blue CC & N/C Label, Outer, Right | 1    |



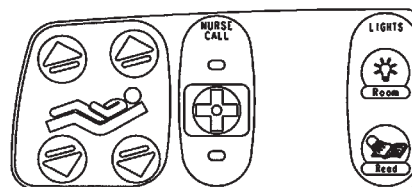
Outer Right Siderail Label



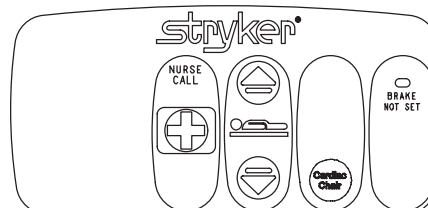
Inner Right Siderail Label

## Standard Siderail with Cardiac Chair, Nurse Call & Lights - 3002-999-012

| Item | Part No.     | Part Name                          | Qty. |
|------|--------------|------------------------------------|------|
| CA   | 3002-400-625 | NC, Lights Label, Inner, Left      | 1    |
| CA   | 3002-400-615 | NC, Lights Label, Inner, Right     | 1    |
| CC   | 3001-400-953 | Switch Cap                         | 22   |
| CD   | 3001-400-522 | Filler Cap                         | 18   |
| CE   | 3001-403-831 | Speaker With Cable                 | 2    |
| CF   | 3001-400-535 | Blank Module                       | 2    |
| CH   | 3002-400-635 | Blue CC & N/C Label, Outer, Left   | 1    |
| CH   | 3002-400-645 | Blue CC & N/C Label, Outer, Right1 | 1    |



Outer Right Siderail Label

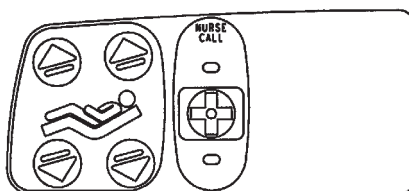


# Head End Siderail Assembly

## Standard Siderail with Cardiac Chair, N/ C & Gatch/Fowler - 3002-999-016

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-621 | Nurse Call Label, Inner, Left       | 1    |
| CA   | 3002-400-611 | Nurse Call Label, Inner, Right      | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 26   |
| CD   | 3001-400-522 | Filler Cap                          | 14   |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-633 | Blue NC, G/F Label,<br>Outer, Left  | 1    |
| CH   | 3002-400-643 | Blue NC, G/F Label,<br>Outer, Right | 1    |

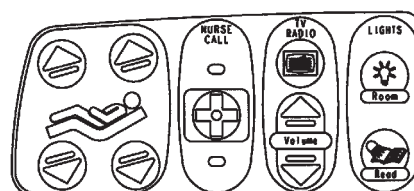
### Inner Right Siderail Label



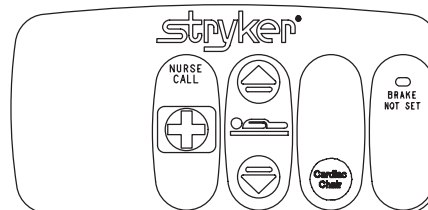
### Outer Right Siderail Label



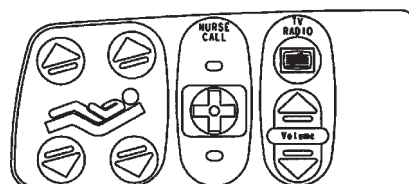
### Inner Right Siderail Label



### Outer Right Siderail Label



### Inner Right Siderail Label



### Outer Right Siderail Label



## Standard Siderail with Cardiac Chair, N/ C, TV/Radio & Lights - 3002-999-005

| Item | Part No.     | Part Name                             | Qty. |
|------|--------------|---------------------------------------|------|
| CA   | 3002-400-623 | NC, TV, Lights Label,<br>Inner, Left  | 1    |
| CA   | 3002-400-613 | NC, TV, Lights Label,<br>Inner, Right | 1    |
| CC   | 3001-400-953 | Switch Cap                            | 28   |
| CD   | 3001-400-522 | Filler Cap                            | 12   |
| CE   | 3001-403-831 | Speaker with Cable                    | 2    |
| CF   | 3001-400-535 | Blank Module                          | 2    |
| CH   | 3002-400-635 | Blue CC & N/C Label,<br>Outer, Left   | 1    |
| CH   | 3002-400-645 | Blue CC & N/C Label,<br>Outer, Right  | 1    |

## Standard Siderail w/Cardiac Chair, N/ C, TV/Radio & G/F - 3002-999-008

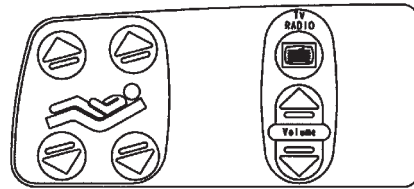
| Item | Part No.     | Part Name                              | Qty. |
|------|--------------|--|------|
| CA   | 3002-400-622 | NC, TV Label, Inner, Left              | 1    |
| CA   | 3002-400-612 | NC, TV Label, Inner, Right             | 1    |
| CC   | 3001-400-953 | Switch Cap                             | 32   |
| CD   | 3001-400-522 | Filler Cap                             | 8    |
| CE   | 3001-403-831 | Speaker with Cable                     | 2    |
| CF   | 3001-400-535 | Blank Module                           | 2    |
| CH   | 3002-400-633 | Blue CC, N/C, G/F Label,<br>Outer, Lt. | 1    |
| CH   | 3002-400-643 | Blue CC, N/C, G/F Label,<br>Outer, Rt. | 1    |

# Head End Siderail Assembly

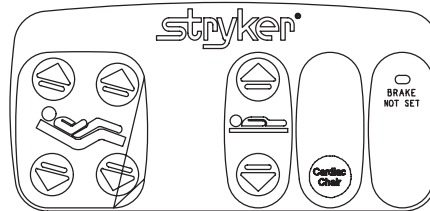
## Standard Siderail with Cardiac Chair, TV/Radio & G/F - 3002-999-023

| Item | Part No.     | Part Name                        | Qty. |
|------|--------------|----------------------------------|------|
| CA   | 3002-400-626 | TV Label, Inner, Left            | 1    |
| CA   | 3002-400-616 | TV Label, Inner, Right           | 1    |
| CC   | 3001-400-953 | Switch Cap                       | 28   |
| CD   | 3001-400-522 | Filler Cap                       | 12   |
| CE   | 3001-403-831 | Speaker with Cable               | 2    |
| CF   | 3001-400-535 | Blank Module                     | 2    |
| CH   | 3002-400-634 | Blue CC, G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-644 | Blue CC, G/F Label, Outer, Right | 1    |

### Inner Right Siderail Label



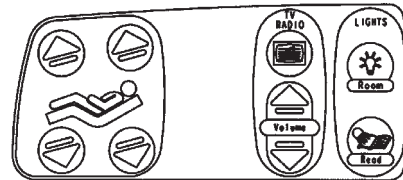
### Outer Right Siderail Label



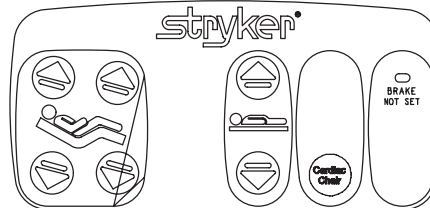
## Standard Siderail with Cardiac Chair, Lights & G/F - 3002-999-027

| Item | Part No.     | Part Name                        | Qty. |
|------|--------------|----------------------------------|------|
| CA   | 3002-400-627 | Lights Label, Inner, Left        | 1    |
| CA   | 3002-400-617 | Lights Label, Inner, Right       | 1    |
| CC   | 3001-400-953 | Switch Cap                       | 26   |
| CD   | 3001-400-522 | Filler Cap                       | 14   |
| CE   | 3001-400-517 | Speaker Seal                     | 2    |
| CF   | 3001-400-535 | Blank Module                     | 2    |
| CH   | 3002-400-634 | Blue CC, G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-644 | Blue CC, G/F Label, Outer, Right | 1    |

### Inner Right Siderail Label



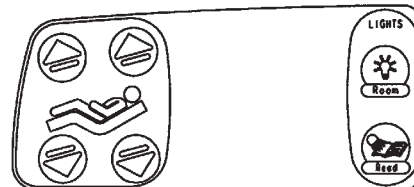
### Outer Right Siderail Label



## Standard Siderail w/C. Chair, TV/Radio, Lights & G/F - 3002-999-021

| Item | Part No.     | Part Name                        | Qty. |
|------|--------------|----------------------------------|------|
| CA   | 3002-400-624 | TV, Lights Label, Inner, Left    | 1    |
| CA   | 3002-400-614 | TV, Lights Label, Inner, Right   | 1    |
| CC   | 3001-400-953 | Switch Cap                       | 32   |
| CD   | 3001-400-522 | Filler Cap                       | 8    |
| CE   | 3001-403-831 | Speaker with Cable               | 2    |
| CF   | 3001-400-535 | Blank Module                     | 2    |
| CH   | 3002-400-634 | Blue CC, G/F Label, Outer, Left  | 1    |
| CH   | 3002-400-644 | Blue CC, G/F Label, Outer, Right | 1    |

### Inner Right Siderail Label



### Outer Right Siderail Label

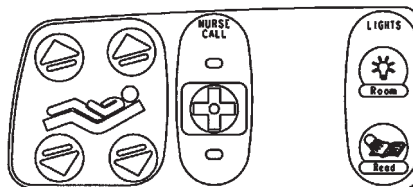


# Head End Siderail Assembly

## Standard Siderail with Cardiac Chair, N/ C, G/F & Lights - 3002-999-013

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-625 | NC, Lights Label, Inner, Left       | 1    |
| CA   | 3002-400-615 | NC, Lights Label, Inner, Right      | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 30   |
| CD   | 3001-400-522 | Filler Cap                          | 10   |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-633 | Blue CC, N/C, G/F Label, Outer, Lt. | 1    |
| CH   | 3002-400-643 | Blue CC, N/C, G/F Label, Outer, Rt. | 1    |

### Inner Right Siderail Label



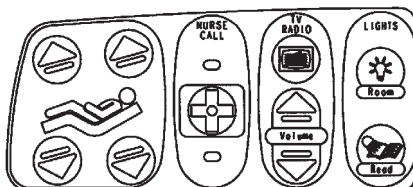
### Outer Right Siderail Label



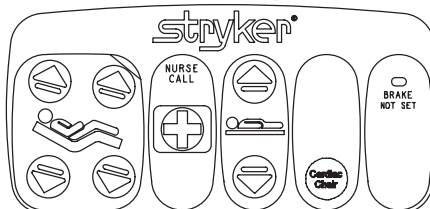
## Standard Siderail w/C. Chair, N/C, TV/ Radio, Lights and G/F - 3002-999-006

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-623 | NC, TV, Lights Label, Inner, Left   | 1    |
| CA   | 3002-400-613 | NC, TV, Lights Label, Inner, Right  | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 36   |
| CD   | 3001-400-522 | Filler Cap                          | 4    |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-633 | Blue CC, N/C, G/F Label, Outer, Lt. | 1    |
| CH   | 3002-400-643 | Blue CC, N/C, G/F Label, Outer, Rt. | 1    |

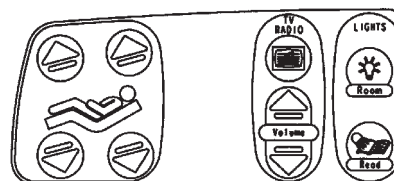
### Inner Right Siderail Label



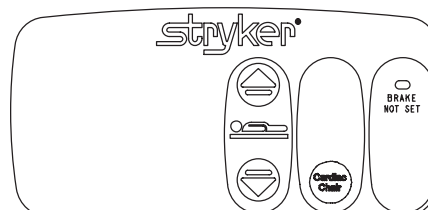
### Outer Right Siderail Label



### Inner Right Siderail Label



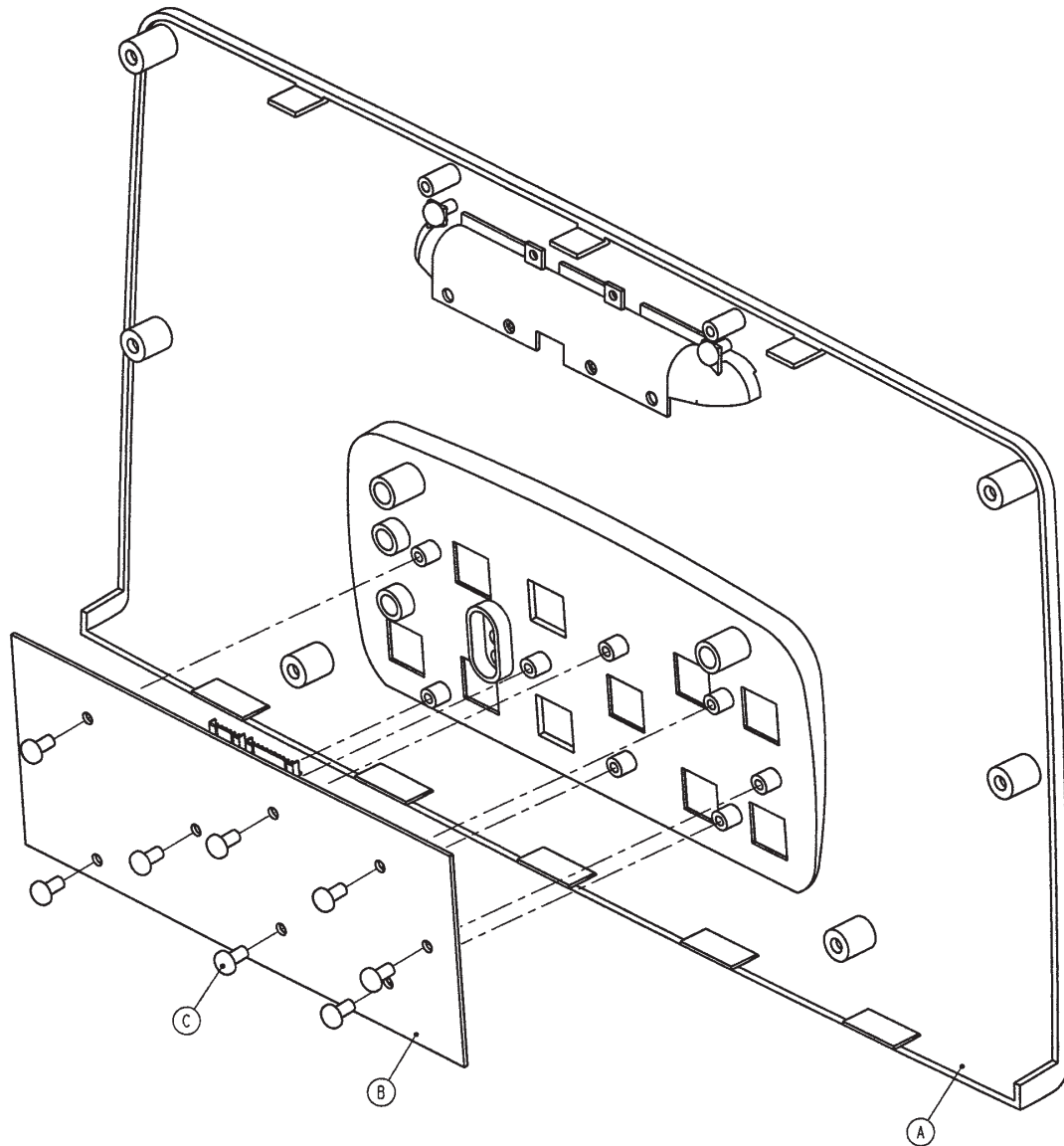
### Outer Right Siderail Label



## Standard Siderail with Cardiac Chair, TV/ Radio and Lights - 3002-999-020

| Item | Part No.     | Part Name                           | Qty. |
|------|--------------|-------------------------------------|------|
| CA   | 3002-400-624 | TV, Lights Label, Inner, Left       | 1    |
| CA   | 3002-400-614 | TV, Lights Label, Inner, Right      | 1    |
| CC   | 3001-400-953 | Switch Cap                          | 24   |
| CD   | 3001-400-522 | Filler Cap                          | 16   |
| CE   | 3001-403-831 | Speaker With Cable                  | 2    |
| CF   | 3001-400-535 | Blank Module                        | 2    |
| CH   | 3002-400-633 | Blue CC, N/C, G/F Label, Outer, Lt. | 1    |
| CH   | 3002-400-643 | Blue CC, N/C, G/F Label, Outer, Rt. | 1    |

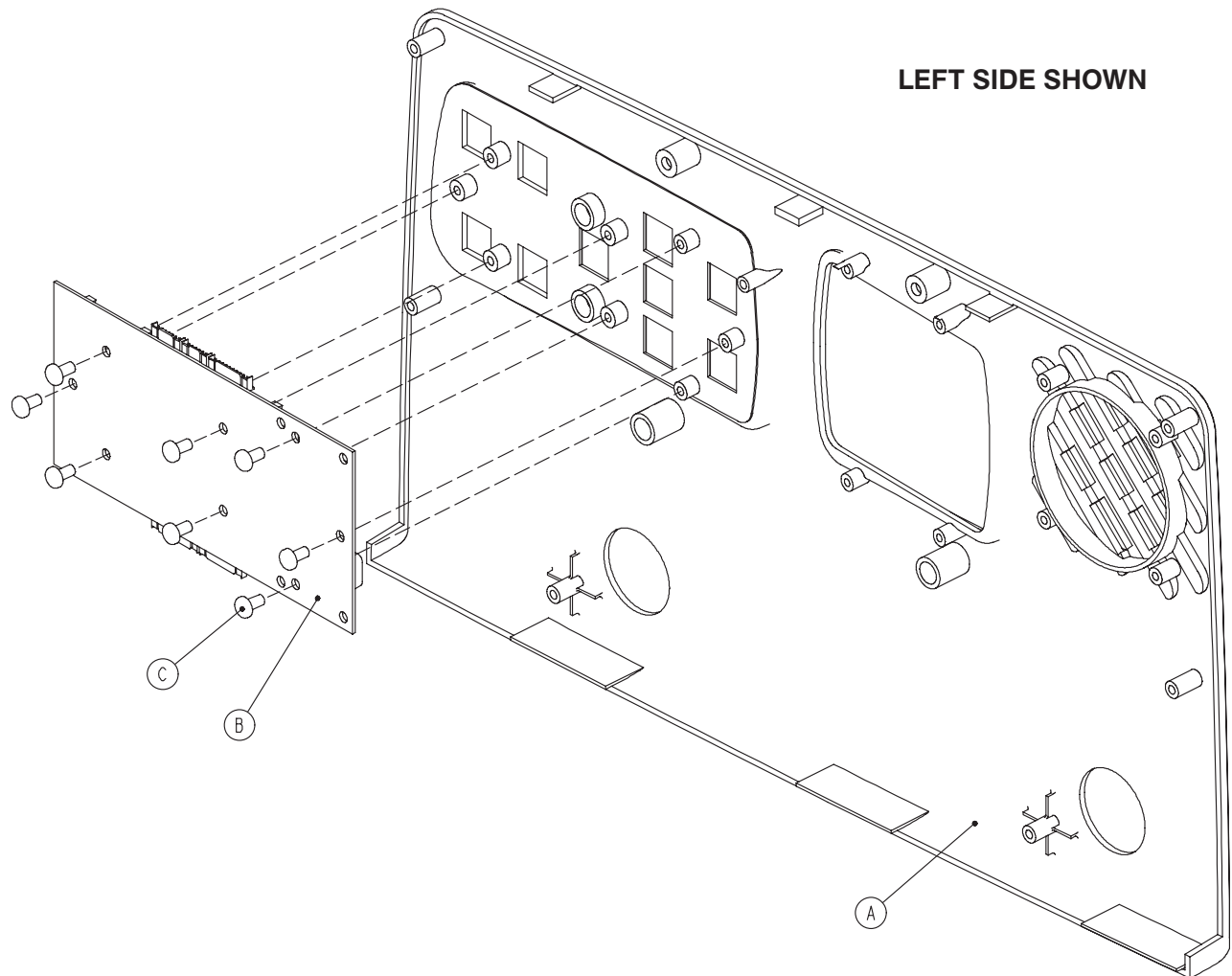
# Head End Siderail Outer Panel Assembly - 3001-400-035



| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 3001-400-050 | Outer Panel Assembly        | 1    |
| B    | 3001-400-910 | Outer Siderail PCB Assembly | 1    |
| C    | 0023-112-000 | Hi-Low Tapping Screw        | 8    |

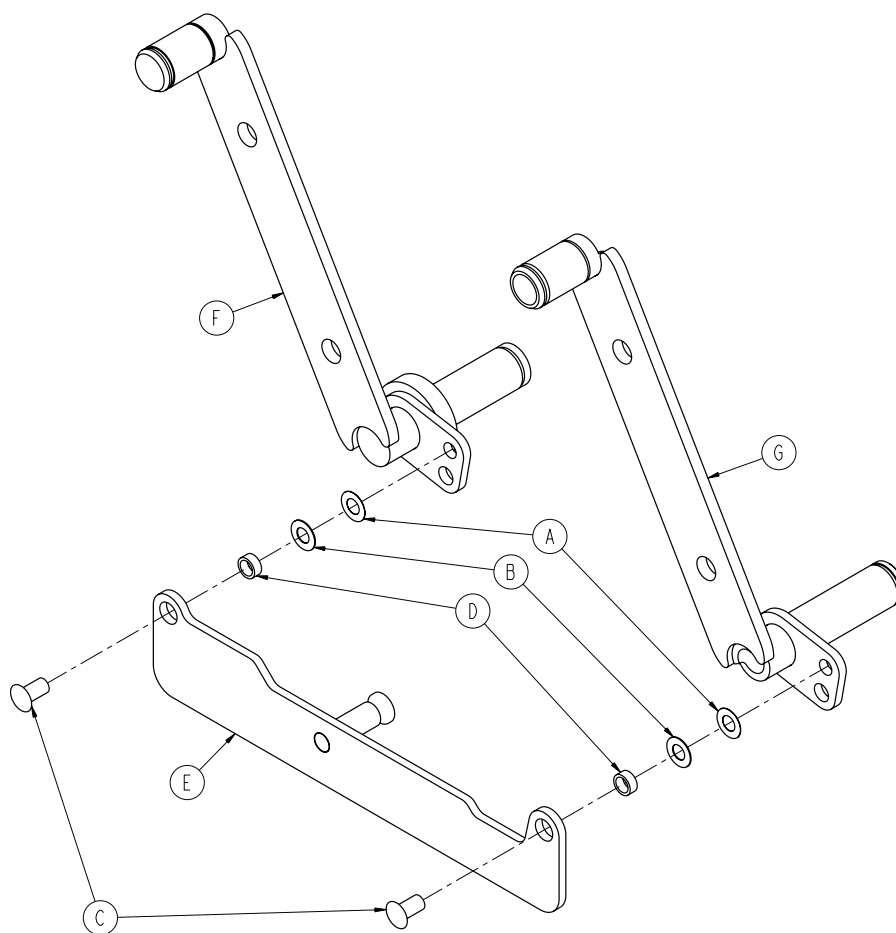
# Head End Siderail Inner Panel Assembly

For Reference Only  
3001-400-040 (LEFT)  
3001-400-045 (RIGHT)



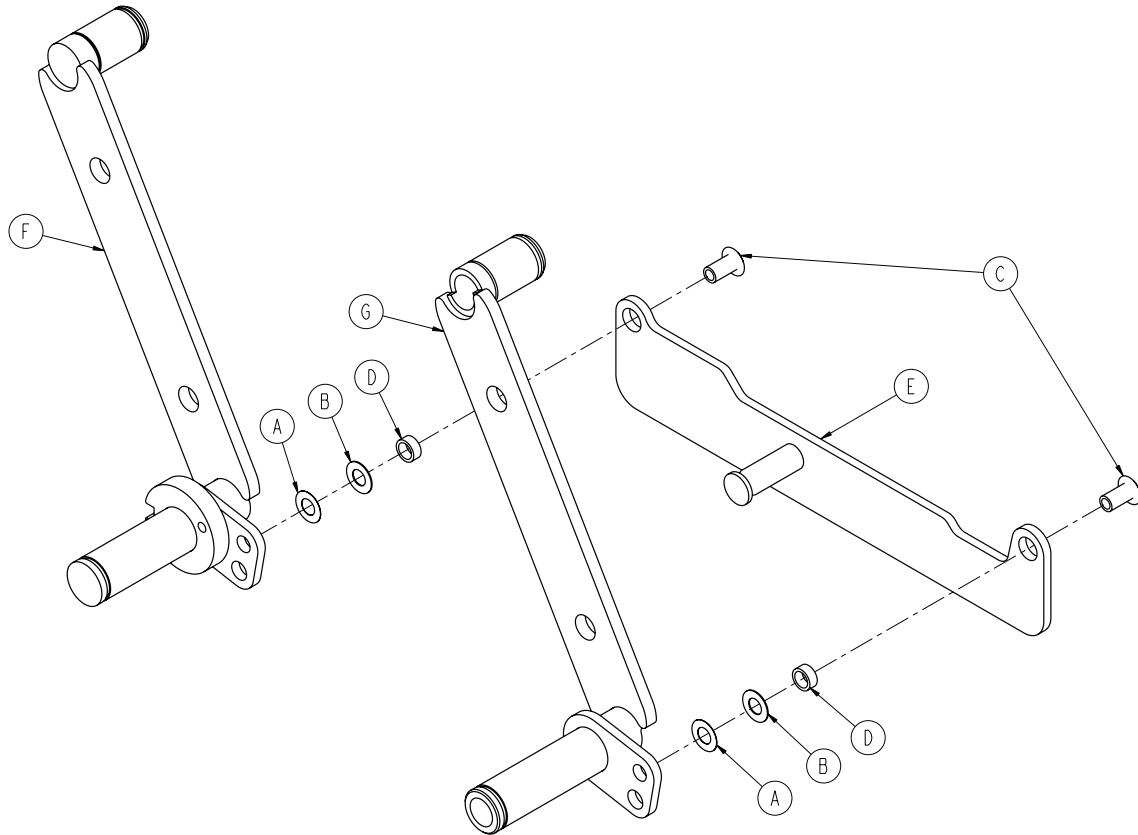
| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 3001-400-101 | Left Inner Panel            | 1    |
|      | 3001-400-201 | Right Inner Panel           | 1    |
| B    | 3001-400-930 | Inner Siderail PCB Assembly | 1    |
| C    | 0023-112-000 | Hi-Low Tapping Screw        | 8    |

## Timing Link Assembly, Head End, Left - 3003-402-005



| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0011-377-000 | Washer                 | 2    |
| B    | 0011-491-000 | Washer                 | 2    |
| C    | 3001-400-501 | Siderail Linkage Rivot | 2    |
| D    | 3003-401-001 | Bushing                | 2    |
| E    | 3003-402-112 | Timing Link            | 1    |
| F    | 3003-402-127 | Arm Weldment - LHF     | 1    |
| G    | 3003-402-128 | Arm Weldment - LHH     | 1    |

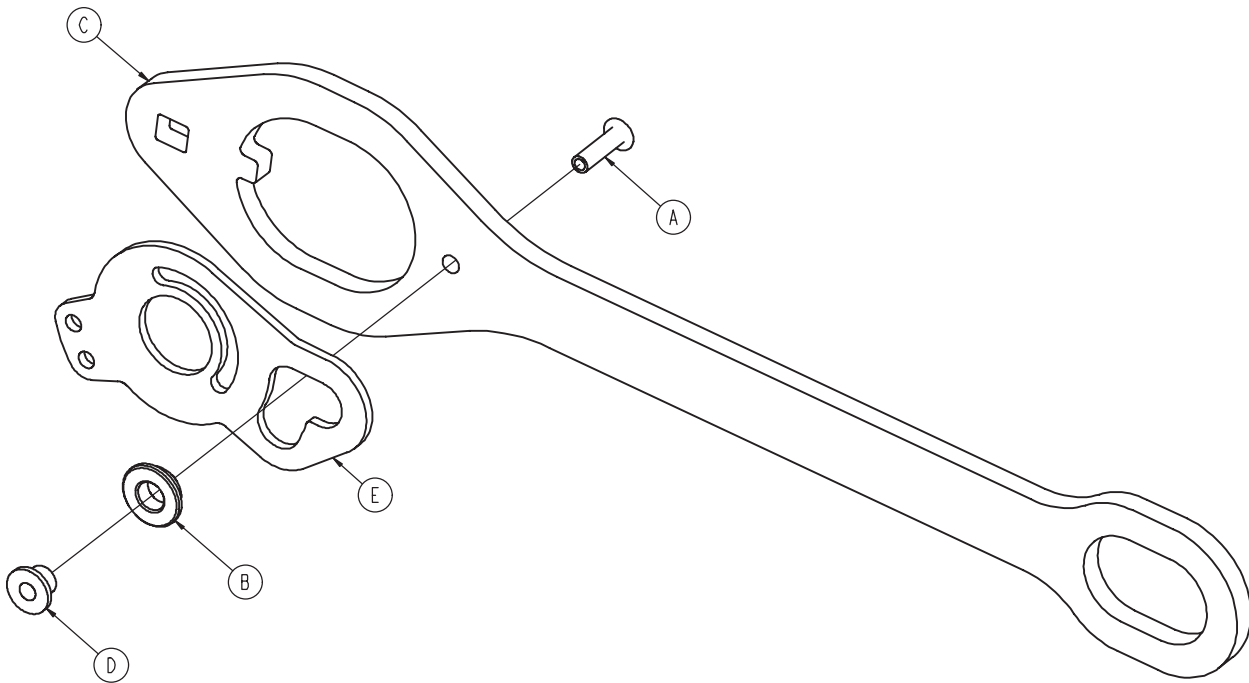
## Timing Link Assembly, Head End, Right - 3003-402-010



| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0011-377-000 | Washer                 | 2    |
| B    | 0011-491-000 | Washer                 | 2    |
| C    | 3001-400-501 | Siderail Linkage Rivot | 2    |
| D    | 3003-401-001 | Bushing                | 2    |
| E    | 3003-402-117 | Timing Link            | 1    |
| F    | 3003-402-227 | Arm Weldment - LHF     | 1    |
| G    | 3003-402-228 | Arm Weldment - LHH     | 1    |

# Siderail Latch Assembly, Head End, Left - 3003-400-070

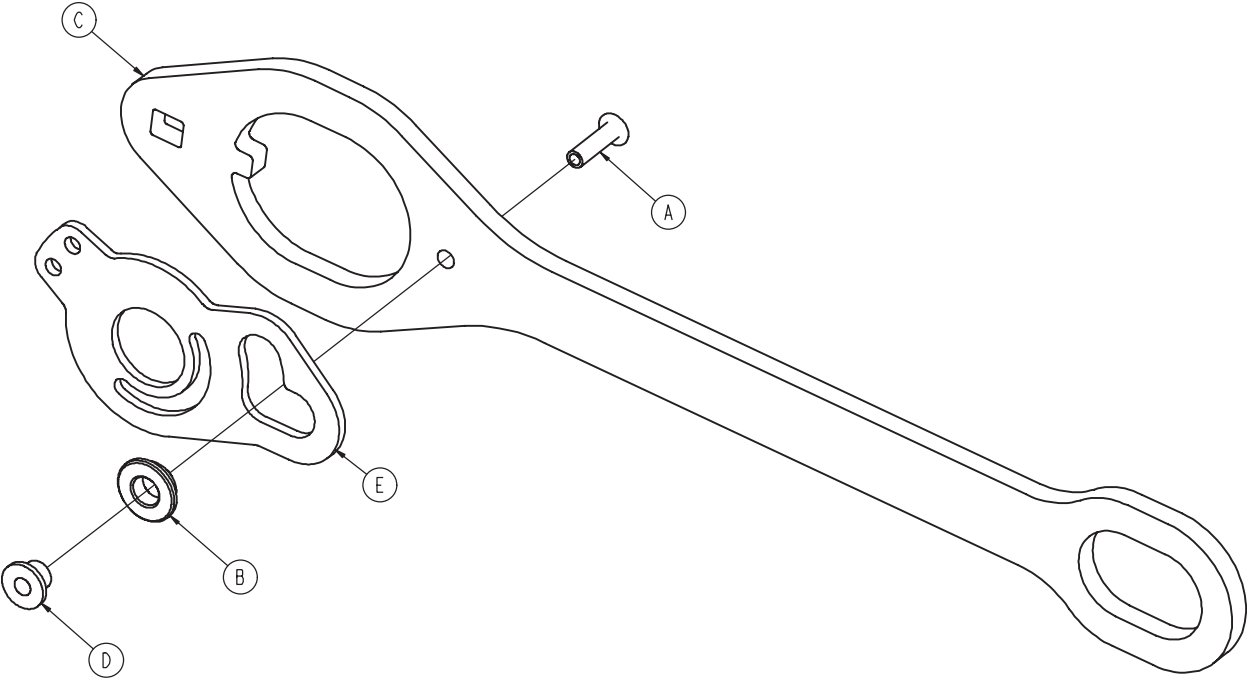
Inside the US and Canada



| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0025-086-000 | Blind Rivet           | 1    |
| B    | 0081-317-000 | Bronze Bushing        | 1    |
| C    | 3002-400-501 | Latch                 | 1    |
| D    | 3002-400-509 | Bypass Bushing Spacer | 1    |
| E    | 3003-400-503 | Head End Bypass Plate | 1    |

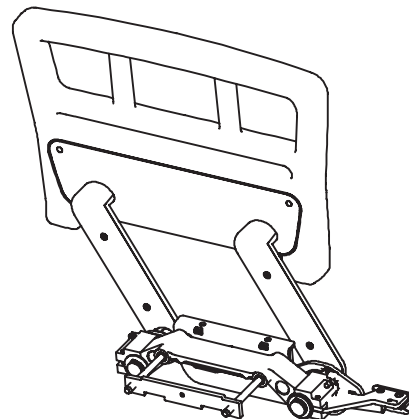
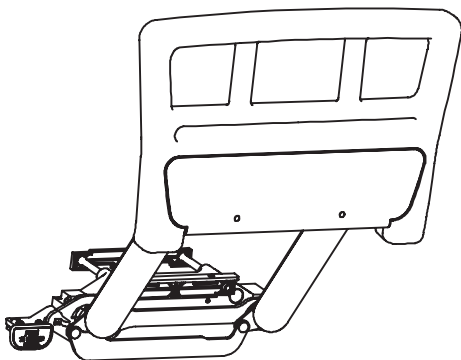
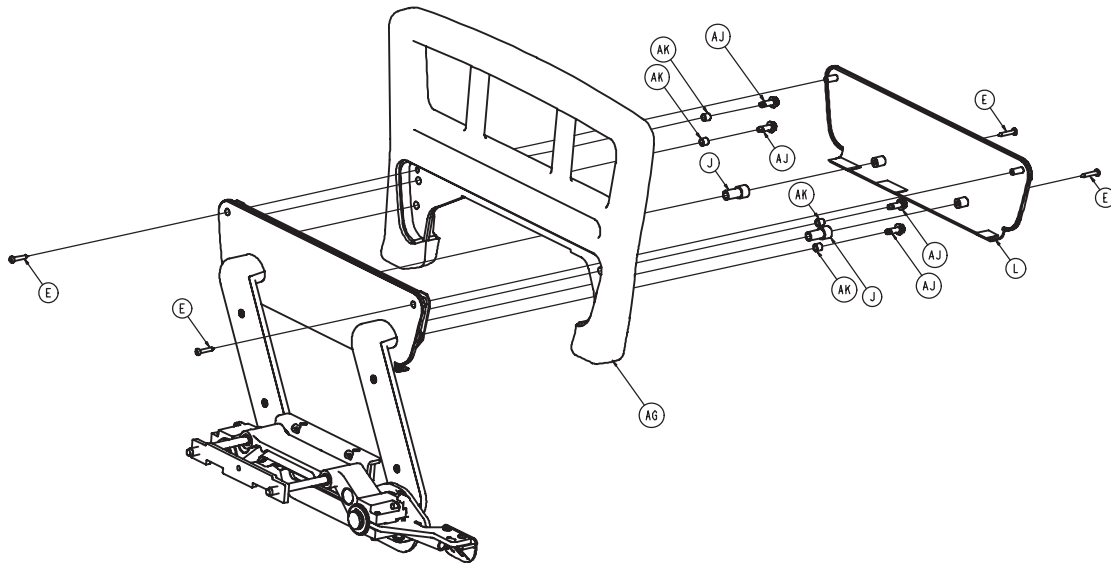
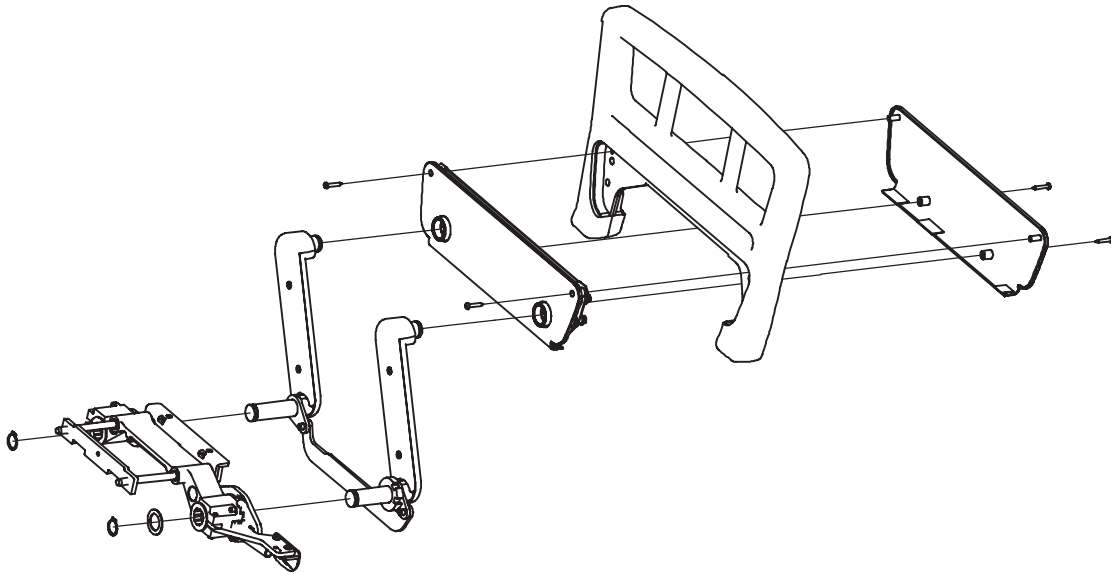
# Siderail Latch Assembly, Head End, Right - 3003-400-075

Inside the US and Canada



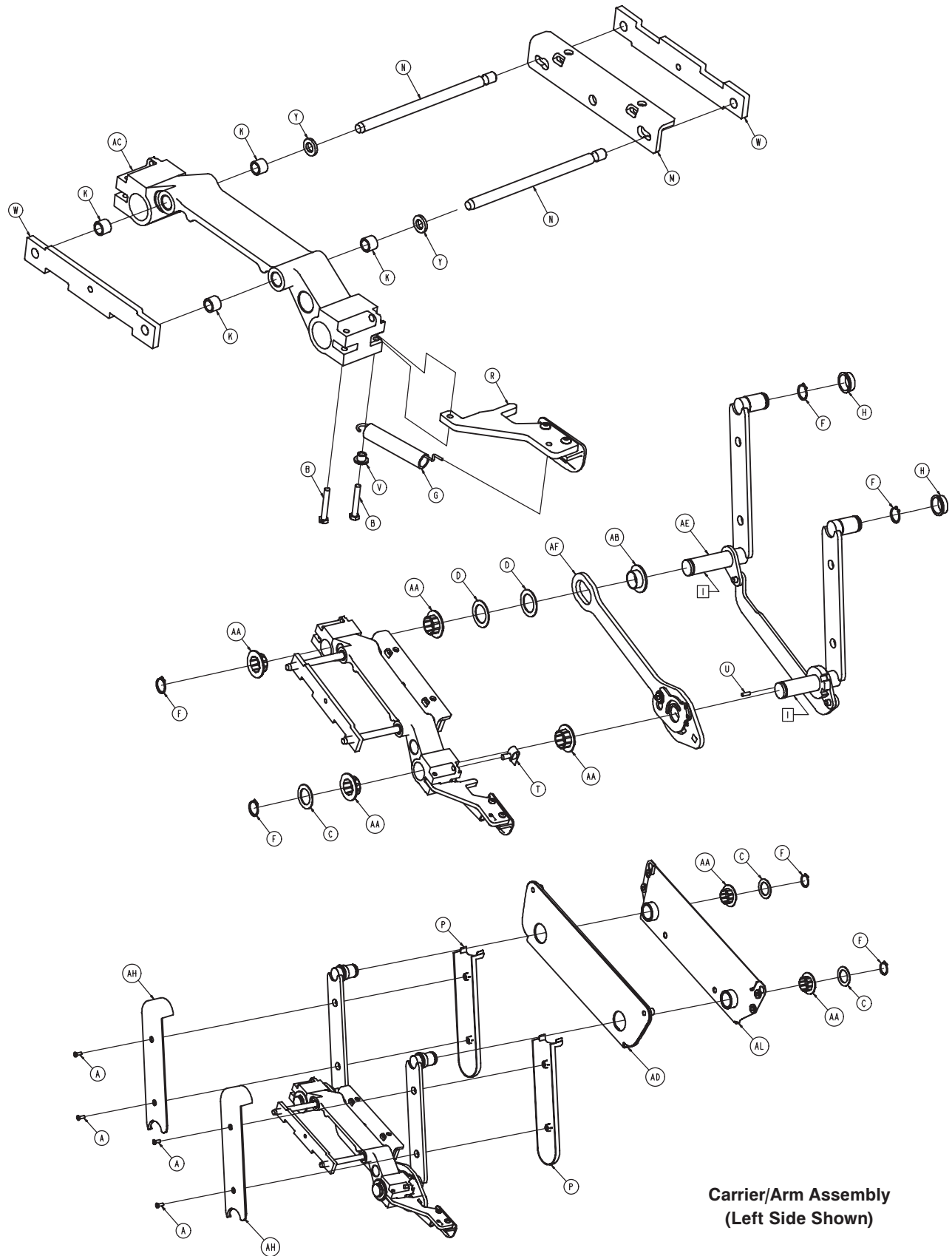
| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0025-086-000 | Blind Rivet           | 1    |
| B    | 0081-317-000 | Bronze Bushing        | 1    |
| C    | 3002-400-501 | Latch                 | 1    |
| D    | 3002-400-509 | Bypass Bushing Spacer | 1    |
| E    | 3003-400-503 | Head End Bypass Plate | 1    |

# Foot End Siderail Assembly



(Left Siderail Shown)

# Foot End Siderail Assembly



**Carrier/Arm Assembly  
(Left Side Shown)**

# Foot End Siderail Assembly

## Left Common Components - 3003-401-300

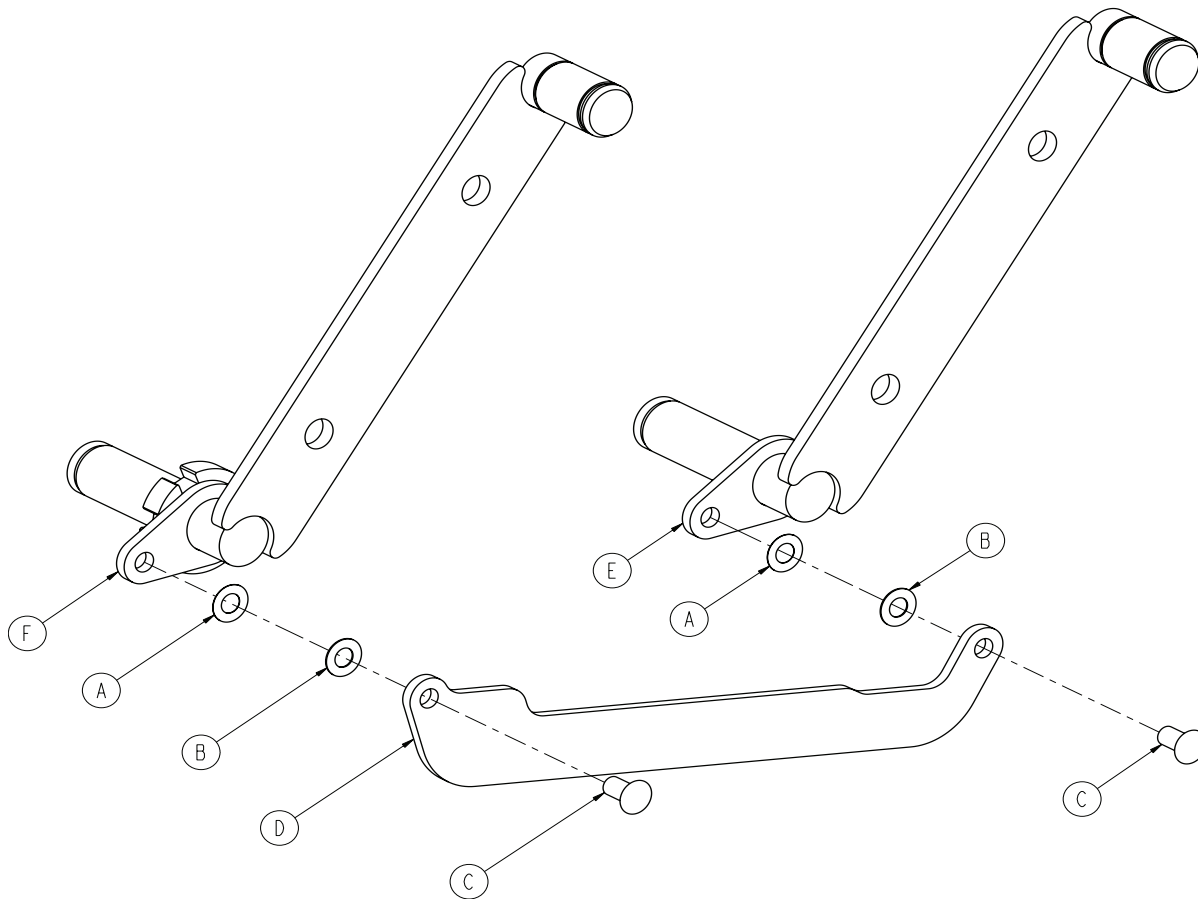
| Item | Part No.     | Part Name  | Qty. |
|------|--------------|--|------|
| A    | 0001-072-000 | Hex Head Machine Screw                           | 4    |
| B    | 0003-344-000 | Hex Hd. Cap Screw                                | 2    |
| C    | 0011-343-000 | Shim Washer                                      | 3    |
| D    | 0014-093-000 | Washer   | 2    |
| E    | 0023-090-000 | Pan Hd. Tapping Screw                            | 4    |
| F    | 0028-128-000 | Retaining Ring                                   | 6    |
| G    | 3000-200-334 | Extension Spring                                 | 1    |
| H    | 3000-400-513 | Flange Bearing                                   | 2    |
| J    | 3000-400-523 | Panel Spacer                                     | 2    |
| K    | 3000-400-557 | Sleeve Bearing                                   | 4    |
| L    | 3001-400-527 | Outer Panel                                      | 1    |
| M    | 3001-400-555 | Mounting Bracket                                 | 1    |
| N    | 3001-400-564 | Glide Rod  | 2    |
| P    | 3001-400-619 | Outer Arm Cover                                  | 2    |
| R    | (page 234)   | <a href="#">Release Lever Ass'y, LH (pg.237)</a> | 1    |
| T    | 3002-400-090 | <a href="#">Ball Dent Clip Ass'y (pg.239)</a>    | 1    |
| U    | 3002-400-505 | Bypass Pin                                       | 1    |
| V    | 3002-400-509 | Bypass Bushing Spacer                            | 1    |
| W    | 3002-400-511 | Glide Rod Bumper Pad                             | 2    |
| Y    | 3002-400-512 | Washer   | 2    |
| AA   | 3002-400-513 | Pivot Bushing                                    | 6    |
| AB   | 3002-400-519 | Delrin Latch Bushing                             | 1    |
| AC   | 3002-400-528 | Carrier, Siderail                                | 1    |
| AD   | 3003-400-526 | Inner Panel                                      | 1    |
| AE   | 3003-401-020 | <a href="#">Timing Link Ass'y, LH (pg.233)</a>   | 1    |
| AF   | 3003-401-085 | <a href="#">Latch Ass'y, LH (pg.235)</a>         | 1    |
| AG   | 3003-400-520 | Foot Rail  | 1    |
| AH   | 5000-020-005 | Inner Arm Cover                                  | 2    |
| AJ   | 0003-226-000 | Hex Washer Head Screw                            | 4    |
| AK   | 3001-400-558 | Spacer   | 4    |
| AL   | 3003-400-580 | Support Plate Weldment                           | 1    |

## Right Common Components - 3003-401-400

| Item | Part No.     | Part Name   | Qty. |
|------|--------------|---|------|
| A    | 0001-072-000 | Hex Head Machine Screw                            | 4    |
| B    | 0003-344-000 | Hex Hd. Cap Screw                                 | 2    |
| C    | 0011-343-000 | Shim Washer                                       | 3    |
| D    | 0014-093-000 | Washer  | 2    |
| E    | 0023-090-000 | Pan Hd. Tapping Screw                             | 4    |
| F    | 0028-128-000 | Retaining Ring                                    | 6    |
| G    | 3000-200-334 | Extension Spring                                  | 1    |
| H    | 3000-400-513 | Flange Bearing                                    | 2    |
| J    | 3000-400-523 | Panel Spacer                                      | 2    |
| K    | 3000-400-557 | Sleeve Bearing                                    | 4    |
| L    | 3001-400-527 | Outer Panel                                       | 1    |
| M    | 3001-400-555 | Mounting Bracket                                  | 1    |
| N    | 3001-400-564 | Glide Rod   | 2    |
| P    | 3001-400-619 | Outer Arm Cover                                   | 2    |
| R    | 3002-400-065 | <a href="#">Release Lever Ass'y, RH. (pg.238)</a> | 1    |
| T    | 3002-400-090 | <a href="#">Ball Dent Clip Ass'y (pg.239)</a>     | 1    |
| U    | 3002-400-505 | Bypass Pin  | 1    |
| V    | 3002-400-509 | Bypass Bushing Spacer                             | 1    |
| W    | 3002-400-511 | Glide Rod Bumper Pad                              | 2    |
| Y    | 3002-400-512 | Washer  | 2    |
| AA   | 3002-400-513 | Pivot Bushing                                     | 6    |
| AB   | 3002-400-519 | Delrin Latch Bushing                              | 1    |
| AC   | 3002-400-528 | Carrier, Siderail                                 | 1    |
| AD   | 3003-400-526 | Inner Panel                                       | 1    |
| AE   | 3003-401-015 | <a href="#">Timing Link Ass'y, RH (pg.234)</a>    | 1    |
| AF   | 3003-401-080 | <a href="#">Latch Ass'y, RH (pg.236)</a>          | 1    |
| AG   | 3003-400-520 | Foot Rail   | 1    |
| AH   | 5000-020-005 | Inner Arm Cover                                   | 2    |
| AJ   | 0003-226-000 | Hex Washer Head Screw                             | 4    |
| AK   | 3001-400-558 | Spacer  | 4    |
| AL   | 3003-400-580 | Support Plate Weldment                            | 1    |

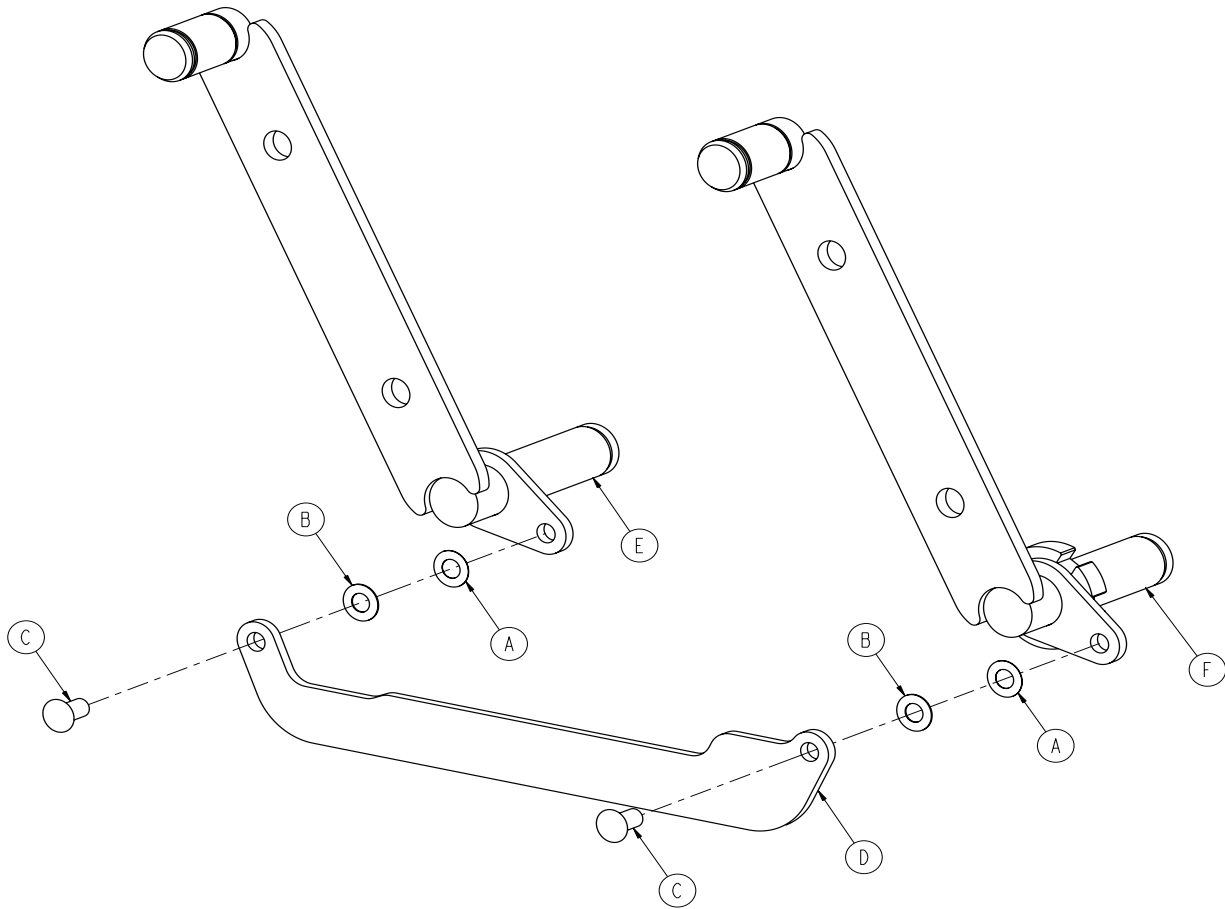
# Notes

## Timing Link Assembly, Foot End, Left - 3003-401-020



| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0011-377-000 | Washer                 | 2    |
| B    | 0011-491-000 | Washer                 | 2    |
| C    | 3001-400-501 | Siderail Linkage Rivot | 2    |
| D    | 3003-401-001 | Bushing                | 2    |
| E    | 3003-402-112 | Timing Link            | 1    |
| F    | 3003-402-127 | Arm Weldment - LHF     | 1    |
| G    | 3003-402-128 | Arm Weldment - LHH     | 1    |

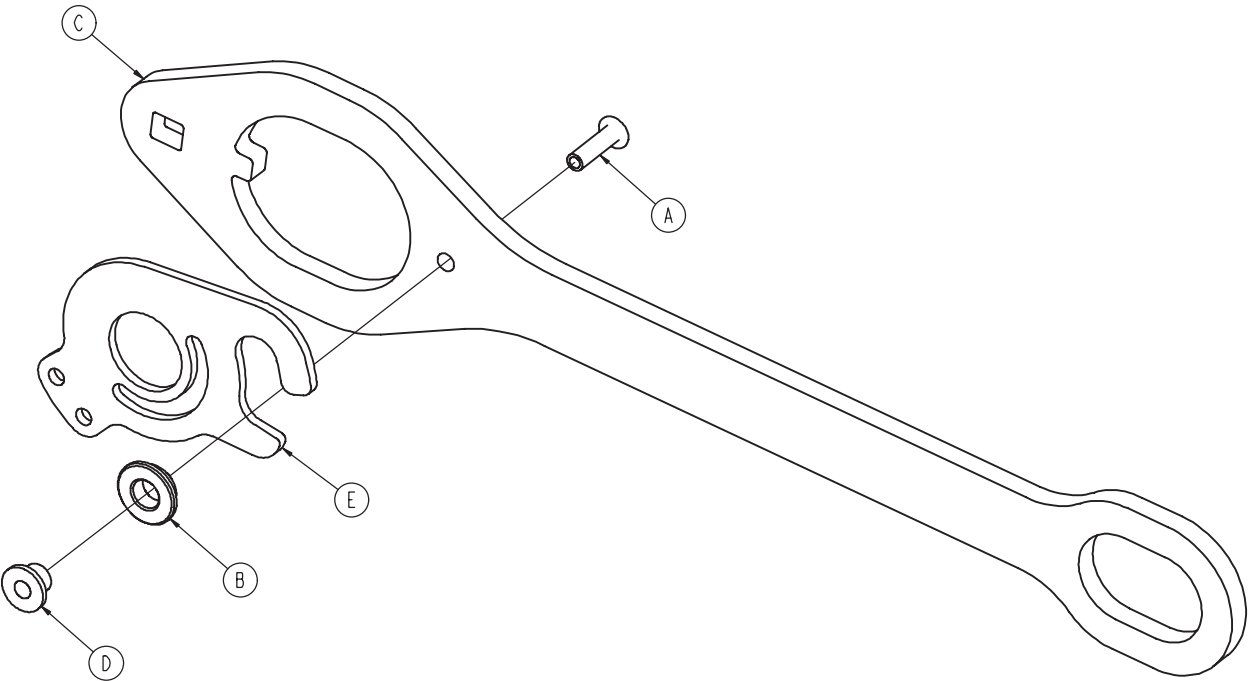
# Timing Link Assembly, Foot End, Right - 3003-401-015



| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0011-377-000 | Washer                 | 2    |
| B    | 0011-491-000 | Washer                 | 2    |
| C    | 3001-400-501 | Siderail Linkage Rivot | 2    |
| D    | 3003-401-001 | Bushing                | 2    |
| E    | 3003-402-117 | Timing Link            | 1    |
| F    | 3003-402-227 | Arm Weldment - LHF     | 1    |
| G    | 3003-402-228 | Arm Weldment - LHH     | 1    |

# Siderail Latch Assembly, Foot End, Left - 3003-400-085

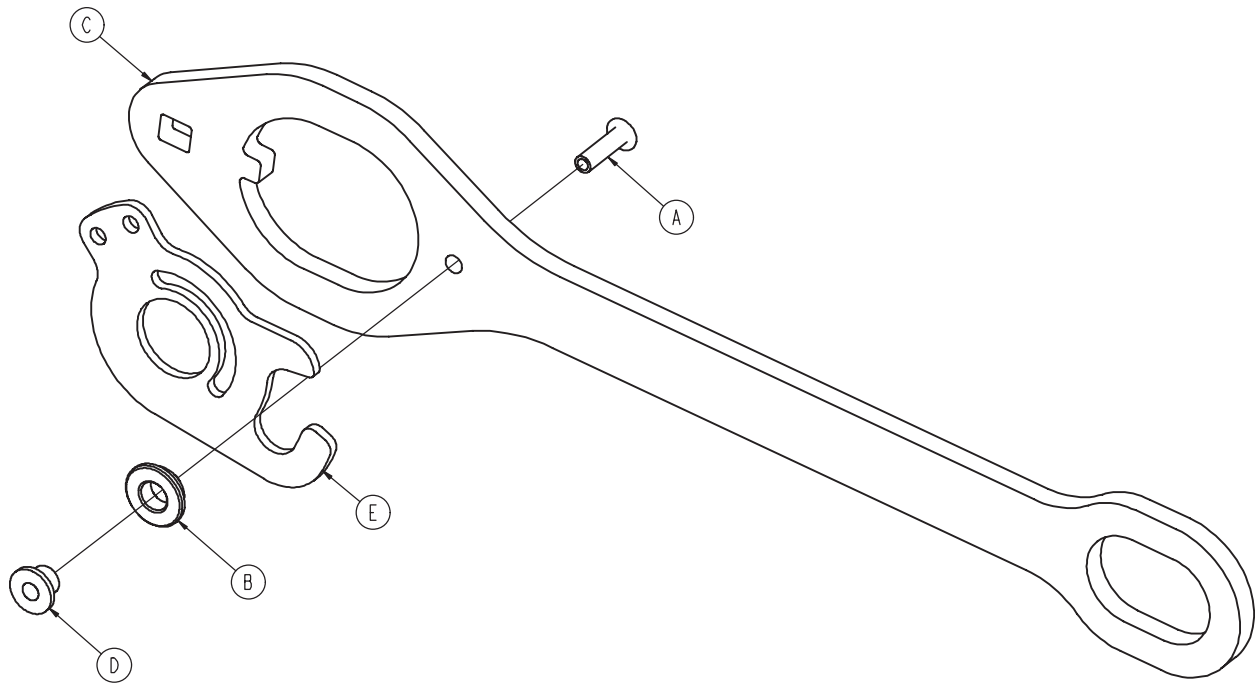
Inside the US and Canada



| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0025-086-000 | Blind Rivet           | 1    |
| B    | 0081-317-000 | Bronze Bushing        | 1    |
| C    | 3002-400-501 | Latch                 | 1    |
| D    | 3002-400-509 | Bypass Bushing Spacer | 1    |
| E    | 3003-400-504 | Bypass Plate, Foot    | 1    |

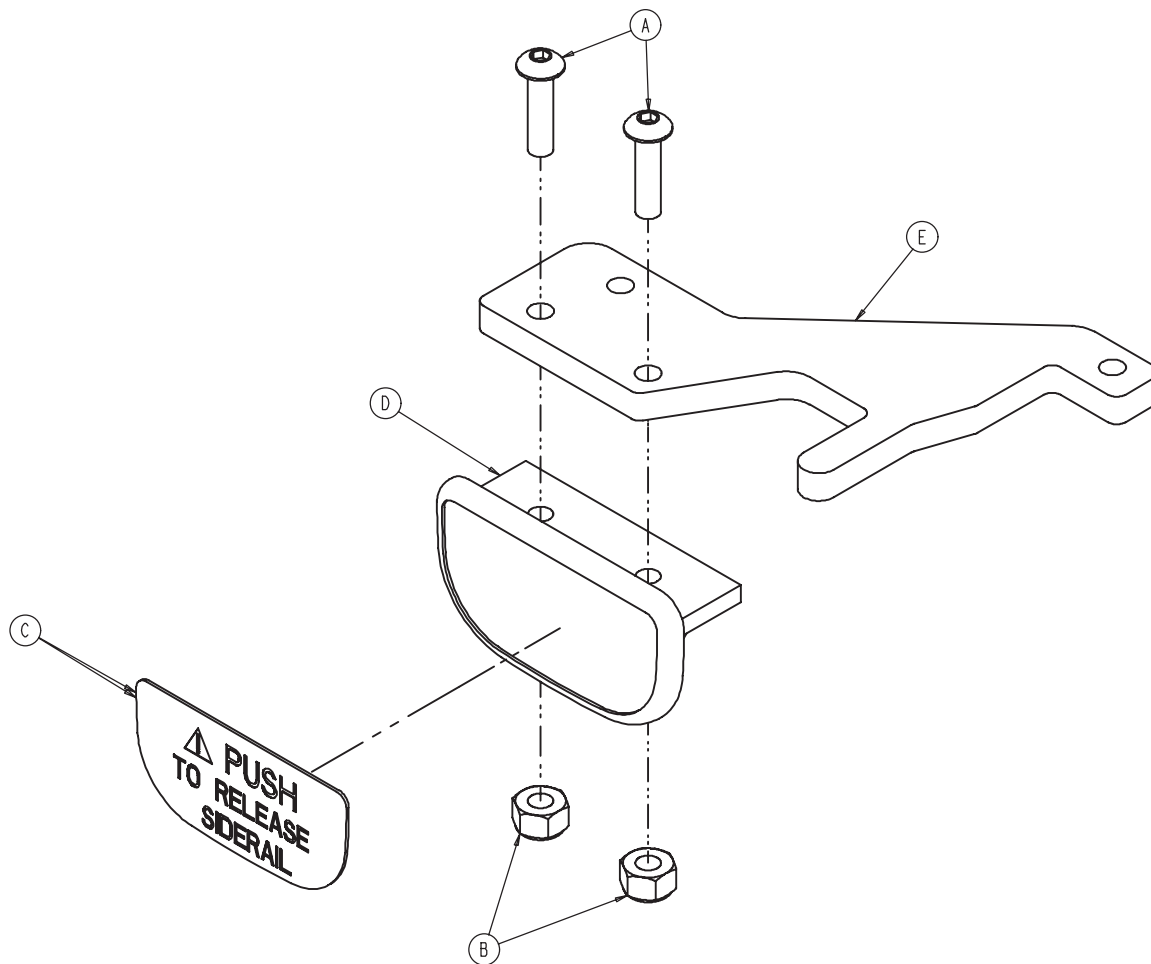
# Siderail Latch Assembly, Foot End, Right - 3003-400-080

Inside the US and Canada



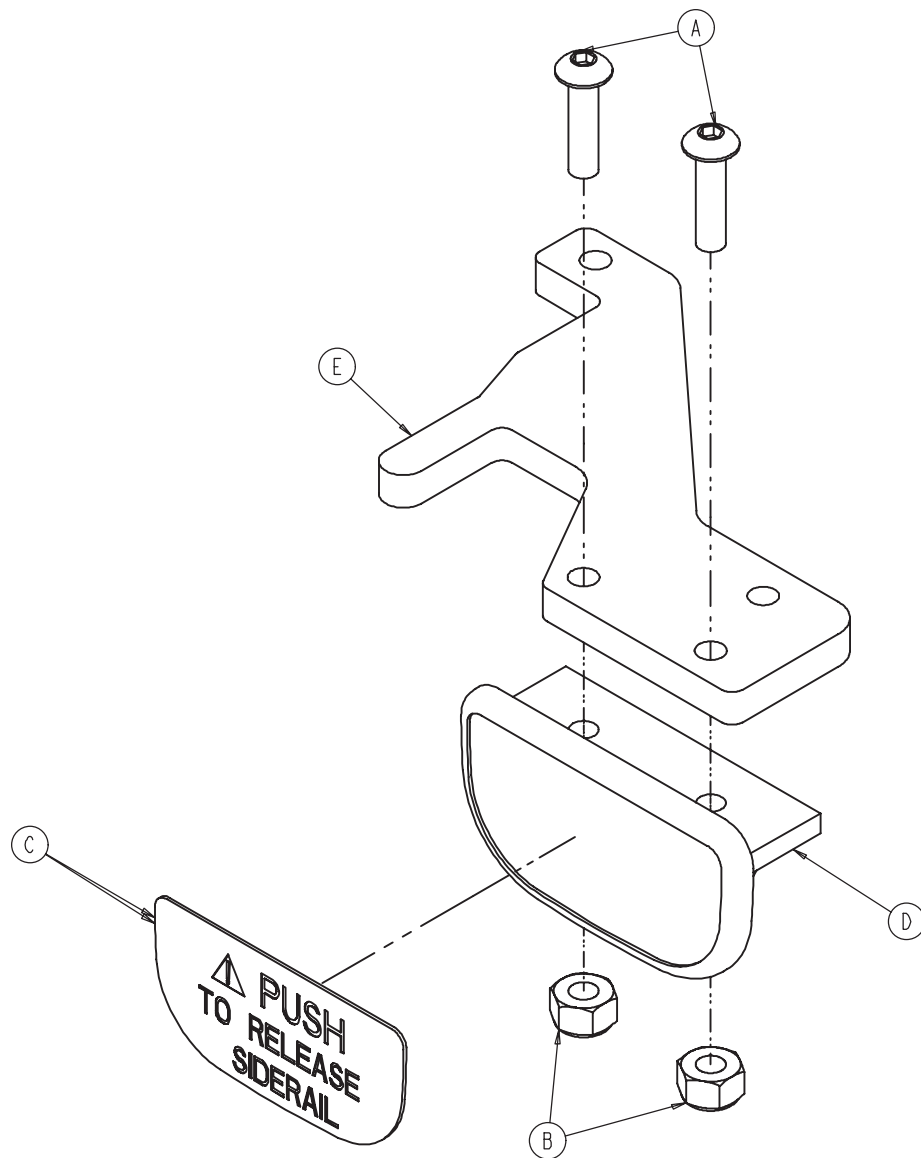
| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0025-086-000 | Blind Rivet           | 1    |
| B    | 0081-317-000 | Bronze Bushing        | 1    |
| C    | 3002-400-501 | Latch                 | 1    |
| D    | 3002-400-509 | Bypass Bushing Spacer | 1    |
| E    | 3003-400-504 | Bypass Plate, Foot    | 1    |

## Siderail Release Lever Assembly, Left - 3002-400-055



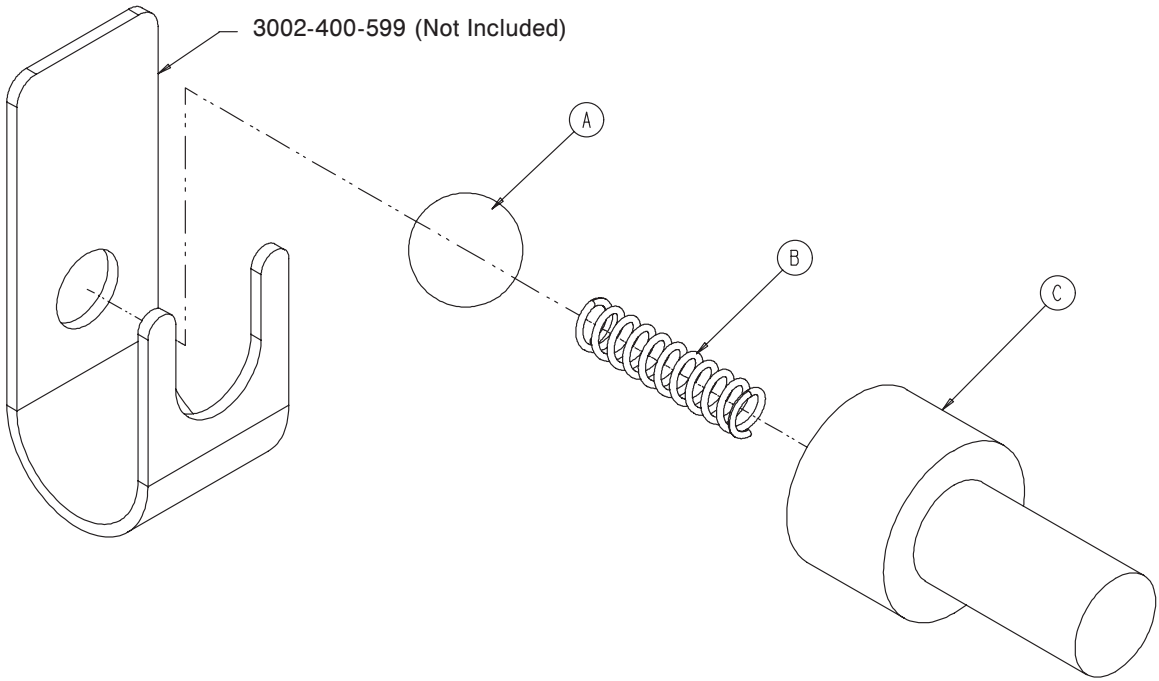
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 0004-278-000 | Socket But. Hd. Cap Screw | 2    |
| B    | 0016-002-000 | Hex Nut                   | 2    |
| C    | 3002-503-901 | Release Label             | 1    |
| D    | 3001-400-514 | Release Lever Pad         | 1    |
| E    | 3002-400-510 | Release Lever             | 1    |

# Siderail Release Lever Assembly, Right - 3002-400-065



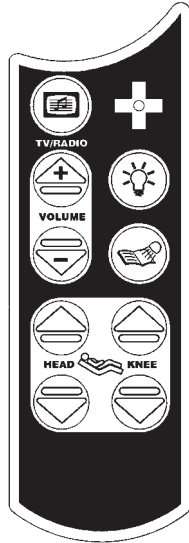
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 0004-278-000 | Socket But. Hd. Cap Screw | 2    |
| B    | 0016-200-000 | Hex Nut                   | 2    |
| C    | 3002-503-901 | Release Label             | 1    |
| D    | 3001-400-514 | Release Lever Pad         | 1    |
| E    | 3002-400-510 | Release Lever             | 1    |

# Siderail Bypass Detent Clip Assembly - 3002-400-090

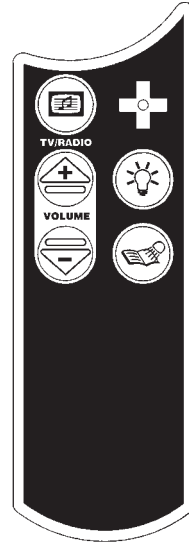


| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0031-137-000 | Steel Ball            | 1    |
| B    | 0038-464-000 | Compression Spring    | 1    |
| C    | 3002-400-524 | Bypass Detent Housing | 1    |

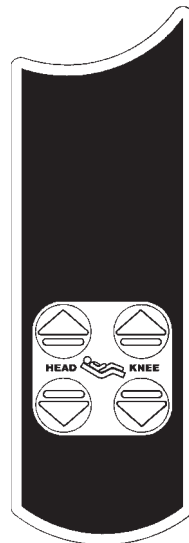
## Optional Pendant Assembly



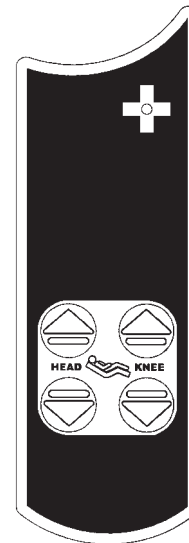
**Combination Pendant Motion/  
Communication - 3001-315-012**



**Combination Pendant Communication  
Only - 3001-315-016**

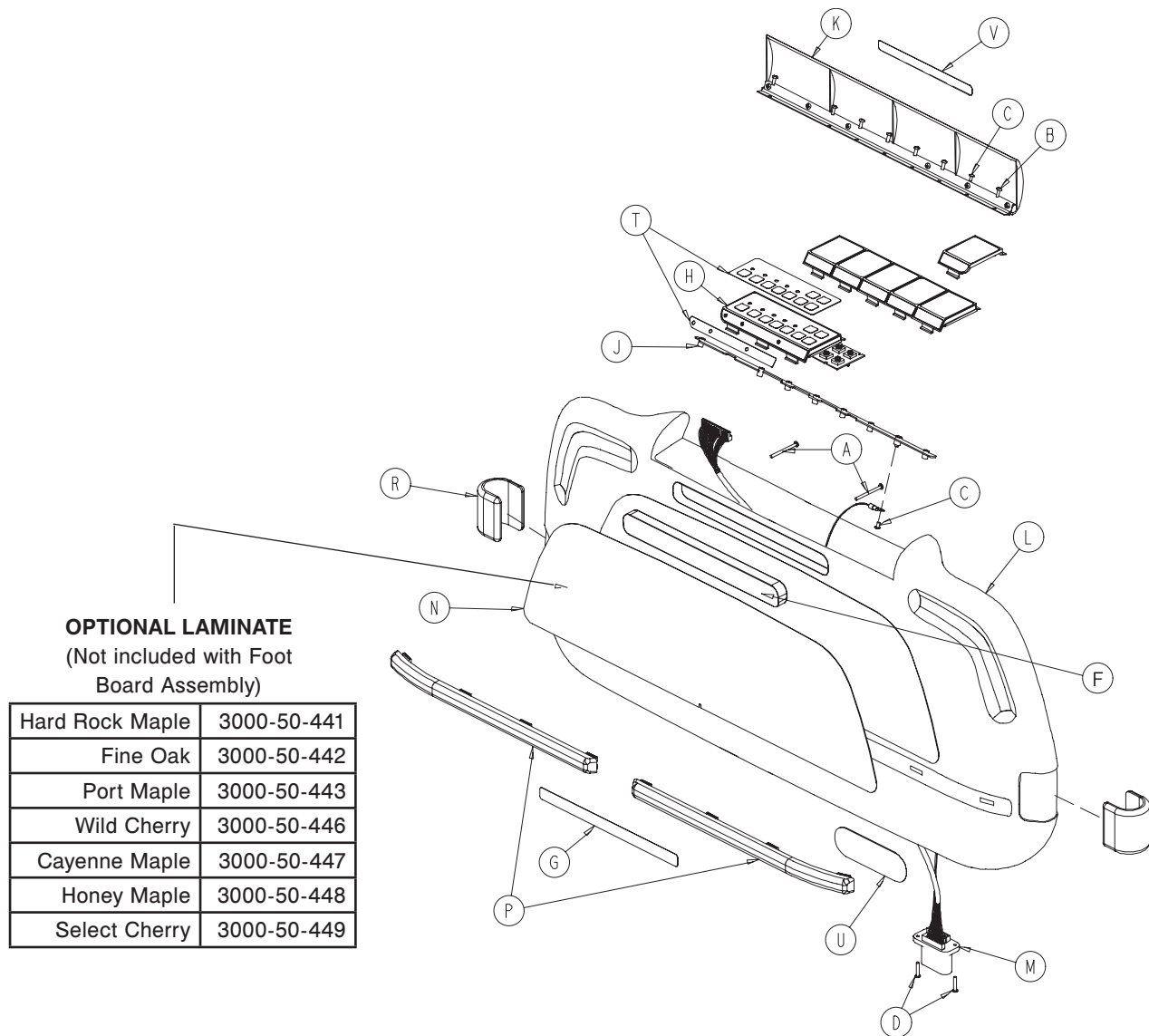


**Combination Pendant Motion Only - 3001-315-014**



**Combination Pendant Motion/Nurse Call - 3001-315-018**

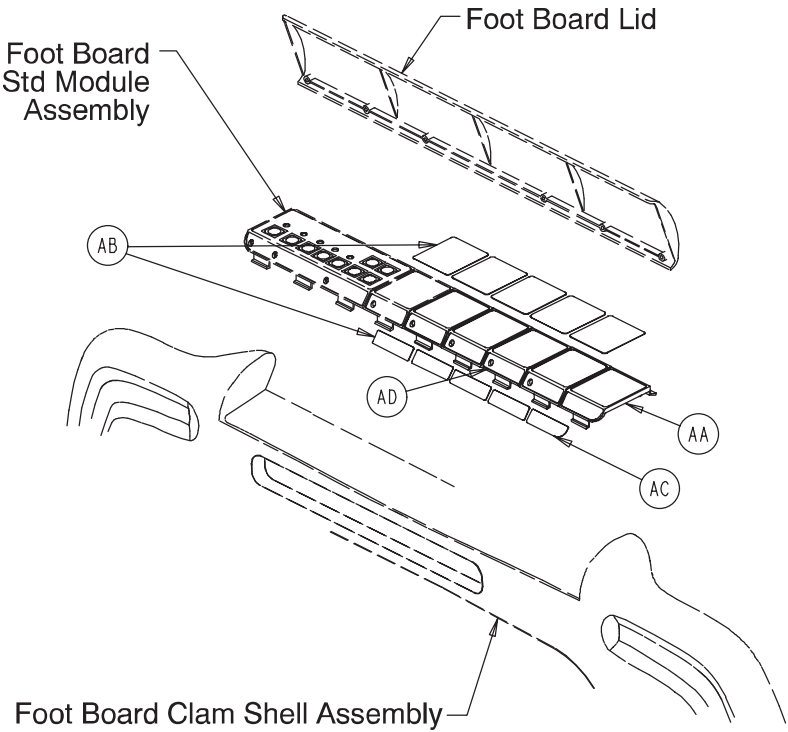
# Foot Board Assembly



## Standard Components - 3002-500-011

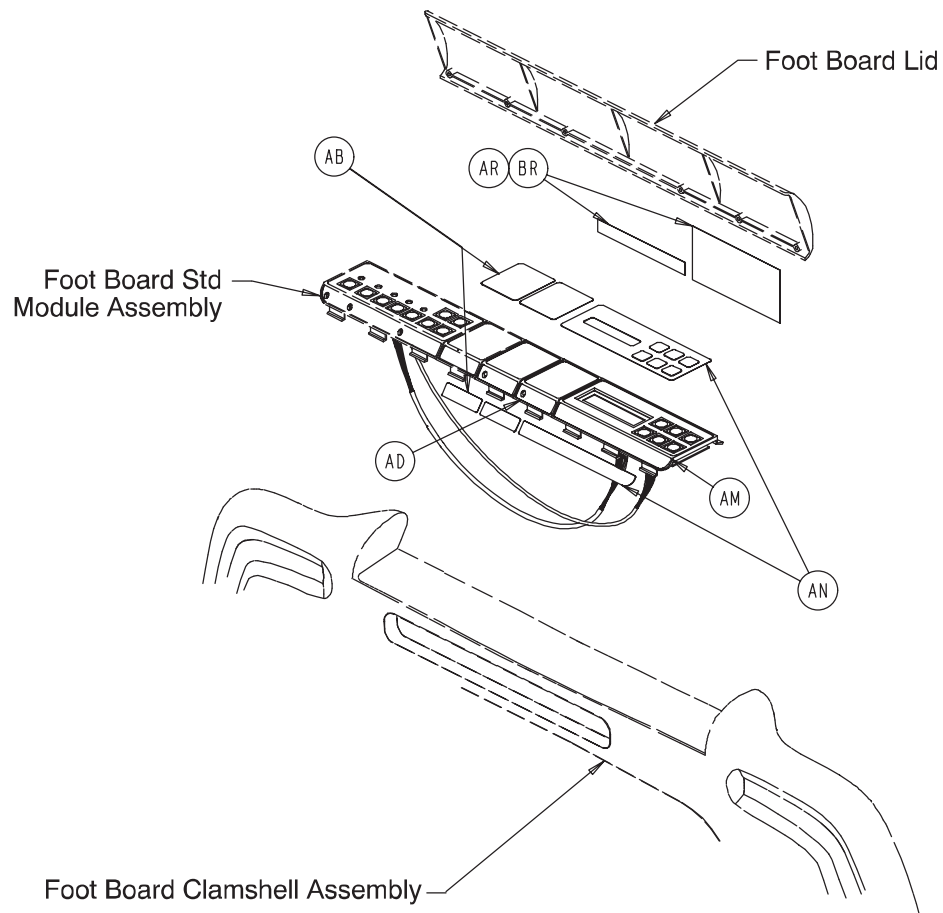
| Item | Part No.     | Part Name                             | Qty. | Item | Part No.     | Part Name               | Qty. |
|------|--------------|---------------------------------------|------|------|--------------|-------------------------|------|
| A    | 0023-099-000 | Phillips Pan Hd. Screw                | 2    | K    | 3001-500-001 | Lid Assembly            | 1    |
| B    | 0023-103-000 | Pan Hd. Hi-Lo Tap. Screw              | 7    | L    | 3001-500-010 | Clam Shell Assembly     | 1    |
| C    | 0050-038-000 | Pan Hd. Mach. Screw                   | 2    | M    | 3001-500-801 | Foot Board Drawer Cable | 1    |
| D    | 0050-039-000 | Pan Hd. Mach. Screw                   | 2    | P    | 2025-000-105 | Bumper Strip            | 2    |
| E    | 0072-002-071 | "C" Bumper Adhesive                   | 1    | R    | 3002-500-007 | C-Bumper                | 2    |
| F    | 3000-500-008 | Chart Rack Cover                      | 1    | T    | 3002-500-024 | Standard Module Label   | 1    |
| G    | 3000-500-029 | Hazard Label                          | 1    | U    | 3002-500-601 | Secure II Label         | 1    |
| H    | 3001-500-028 | Std. Control Module Ass'y<br>(pg.250) | 1    | V    | 3002-500-025 | Lid Label               | 1    |
| J    | 3001-500-064 | Hinge Plate                           | 1    |      |              |                         |      |

# Foot Board Assembly, No Options - 3002-507-120



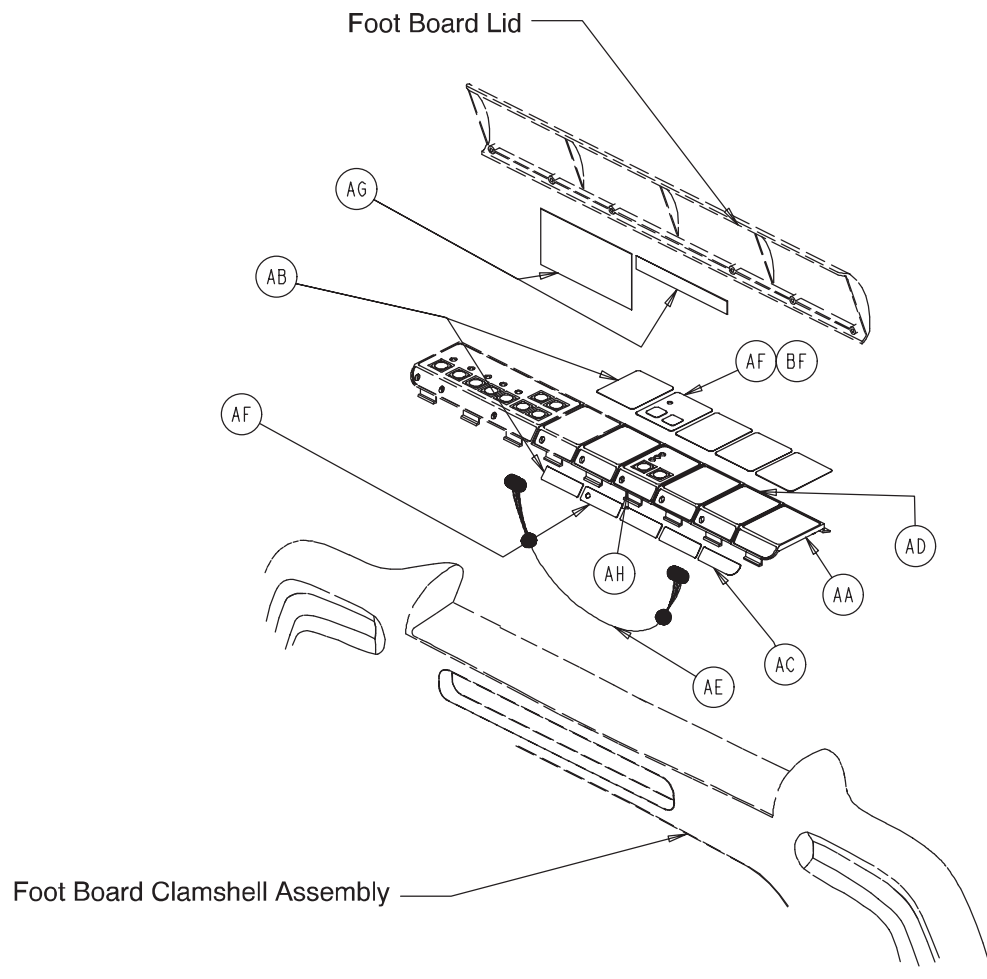
| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| AA   | 3000-500-004 | End Module         | 1    |
| AB   | 3002-508-004 | Blank Module Label | 5    |
| AC   | 3002-500-027 | End Module Label   | 1    |
| AD   | 3001-500-003 | Blank Module       | 4    |

# Foot Board Assembly, Scale Option - 3002-507-013



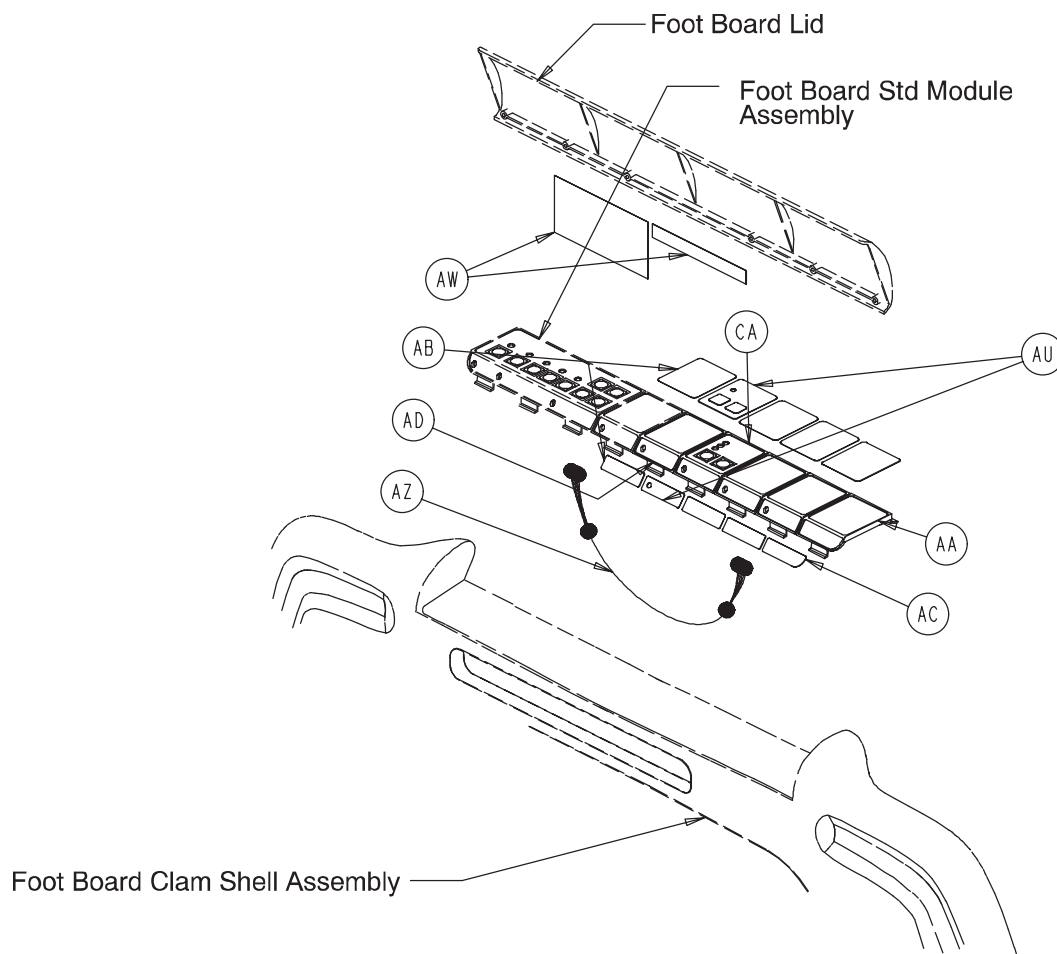
| Item | Part No.     | Part Name                             | Qty. |
|------|--------------|---------------------------------------|------|
| AB   | 3002-508-004 | Blank Module Label                    | 2    |
| AD   | 3001-500-003 | Blank Module                          | 2    |
| AM   | 3002-507-030 | <a href="#">Scale Module (pg.253)</a> | 1    |
| AN   | 3002-000-152 | Scale Module Label                    | 1    |
| AR   | 3002-507-011 | Scale Label (Lid)                     | 1    |

# Foot Board Assembly, Bed Exit Option - 3002-508-011



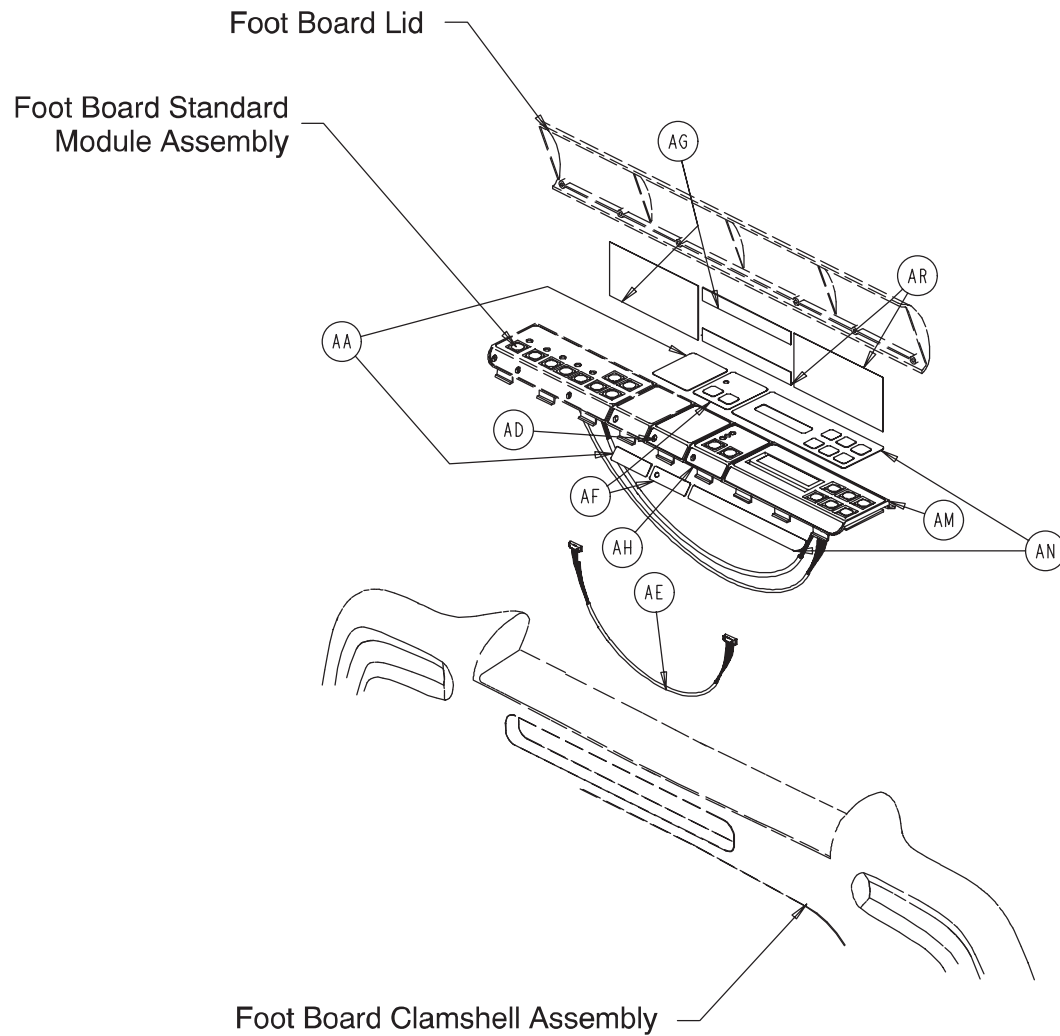
| Item | Part No.     | Part Name                                | Qty. |
|------|--------------|--|------|
| AA   | 3000-500-004 | End Module                               | 1    |
| AB   | 3002-508-004 | Blank Module Label                       | 4    |
| AC   | 3002-500-027 | End Module Label                         | 1    |
| AD   | 3001-500-003 | Blank Module                             | 3    |
| AE   | 3001-508-800 | Bed Exit Keypad Cable                    | 1    |
| AF   | 3002-508-002 | Bed Exit Module Label                    | 1    |
| AG   | 3002-508-010 | Bed Exit Label (Lid)                     | 1    |
| AH   | 3001-508-030 | <a href="#">Bed Exit Module (pg.251)</a> | 1    |

# Foot Board Ass'y, Zone Ctrl/Bed Exit Option - 3002-508-021



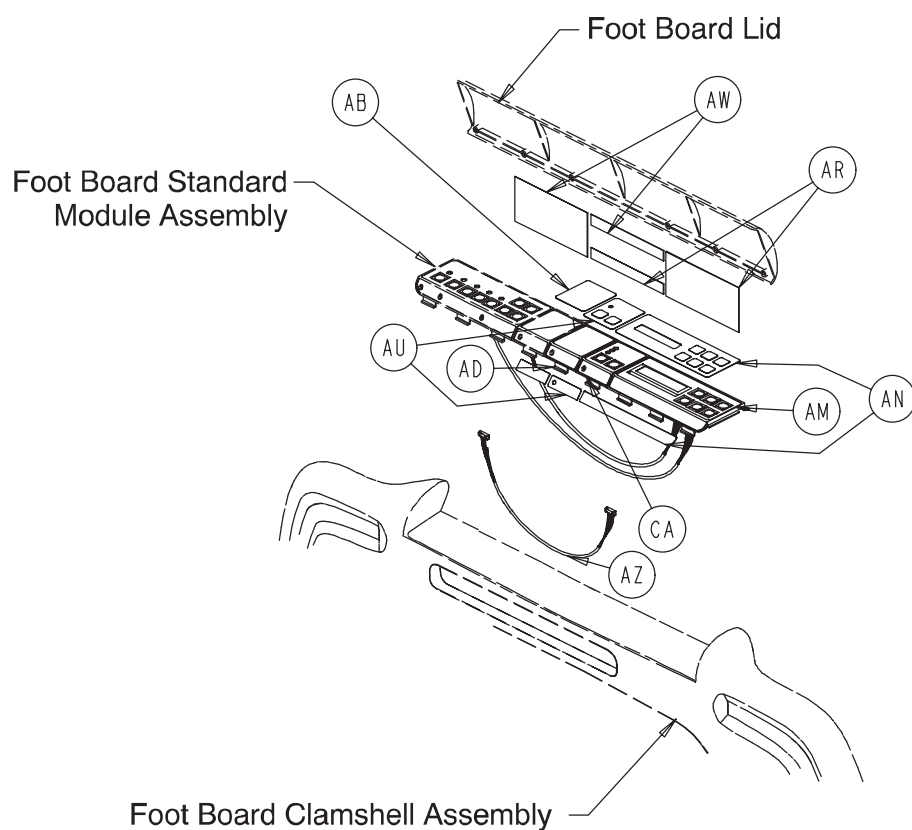
| Item | Part No.     | Part Name                                | Qty. |
|------|--------------|--|------|
| AA   | 3000-50-004  | End Module                               | 1    |
| AB   | 3002-508-004 | Blank Module Label                       | 4    |
| AC   | 3002-500-027 | End Module Label                         | 1    |
| AD   | 3001-500-003 | Blank Module                             | 3    |
| AU   | 3002-508-003 | Zone Control II Module Label             | 1    |
| AW   | 3002-508-012 | Zone Control II Label (Lid)              | 1    |
| AZ   | 3002-508-800 | Zone Ctrl. Keypad Cable                  | 1    |
| CA   | 3002-508-030 | <a href="#">Bed Exit Module (pg.252)</a> | 1    |

# Foot Board Ass'y, Bed Exit/Scale Option - 3002-507-121



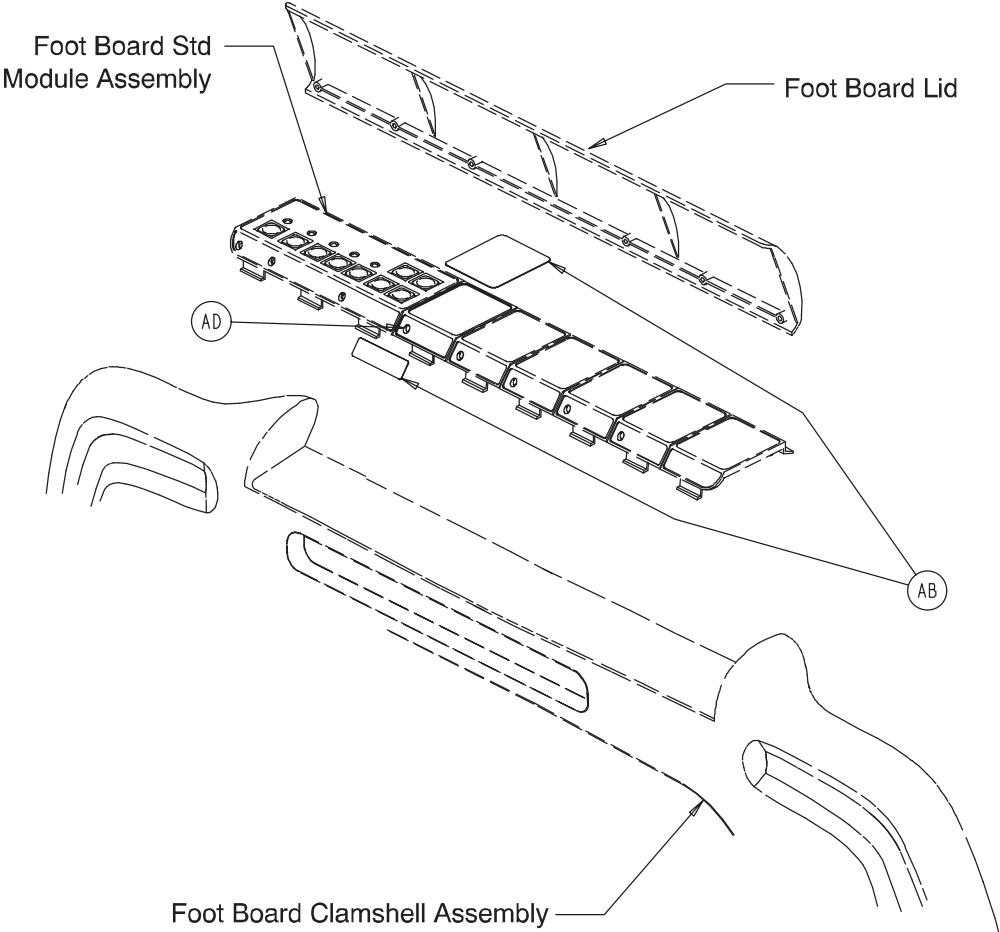
| Item | Part No.     | Part Name                                   | Qty. |
|------|--------------|---|------|
| AB   | 3002-508-004 | Blank Module Label                          | 1    |
| AD   | 3001-500-003 | Blank Module                                | 1    |
| AE   | 3001-508-800 | Bed Exit Keypad Cable                       | 1    |
| AF   | 3002-508-002 | Bed Exit Module Label                       | 1    |
| AG   | 3002-508-010 | Bed Exit Label (Lid)                        | 1    |
| AH   | 3001-508-030 | <a href="#">Bed Exit Module (pg.251)</a>    | 1    |
| AM   | 3002-507-030 | Scale Module                                | 1    |
| AN   | 3002-000-152 | <a href="#">Scale Module Label (pg.253)</a> | 1    |
| AR   | 3002-507-011 | Scale Label (Lid)                           | 1    |

## Foot Board Ass'y, Zone Ctrl/Bed Exit/Scale Option - 3002-507-122



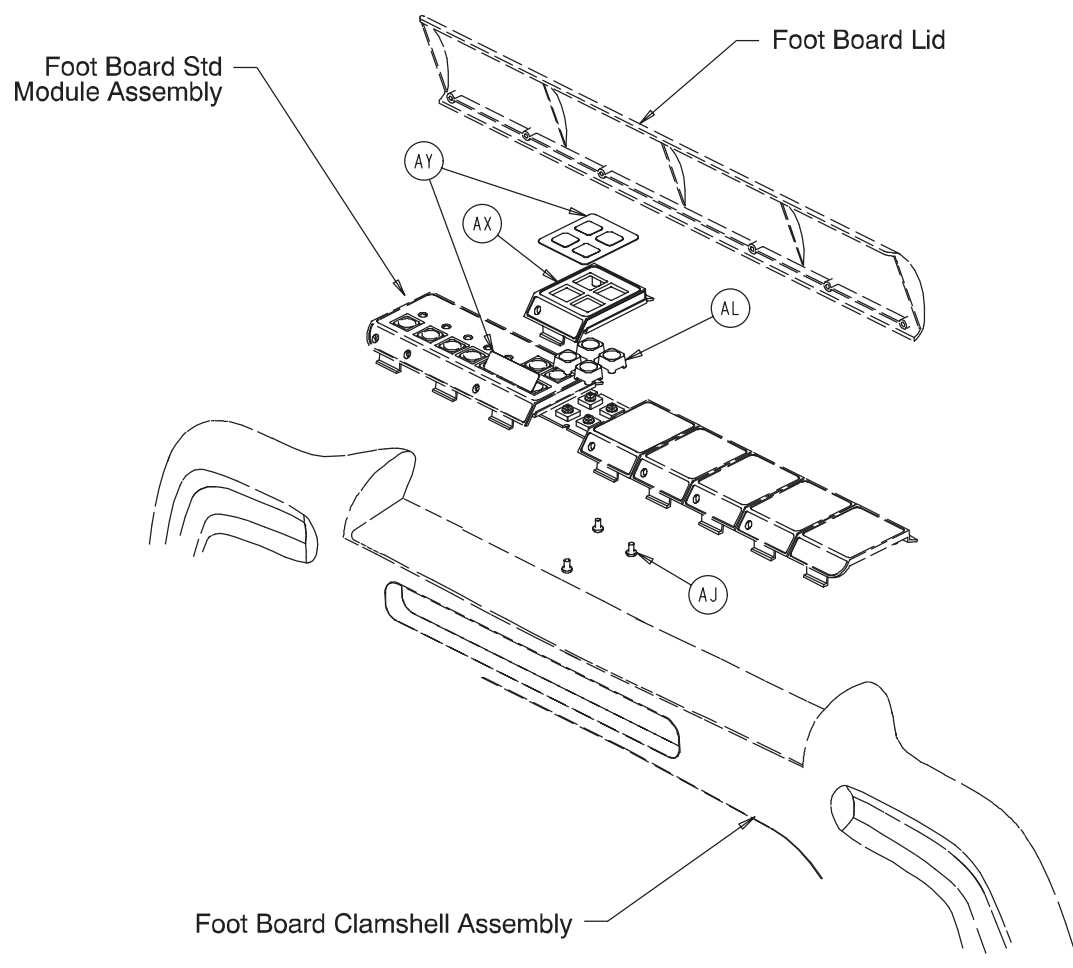
| Item | Part No.     | Part Name                             | Qty. |
|------|--------------|---------------------------------------|------|
| AB   | 3002-508-004 | Blank Module Label                    | 4    |
| AD   | 3001-500-003 | Blank Module                          | 3    |
| AM   | 3002-507-030 | Scale Module (pg.251)                 | 1    |
| AN   | 3002-000-152 | Scale Module Label                    | 1    |
| AR   | 3002-507-011 | Scale Label (Lid)                     | 1    |
| AU   | 3002-508-003 | Zone Control II Module Label          | 1    |
| AW   | 3002-508-012 | Zone Control II Label (Lid)           | 1    |
| AZ   | 3002-508-800 | Zone Control Keypad Cable             | 1    |
| CA   | 3002-508-030 | Zone Control Bed Exit Module (pg.252) | 1    |

# Foot Board Ass'y, No Gatch/Fowler Option - 3002-501-110



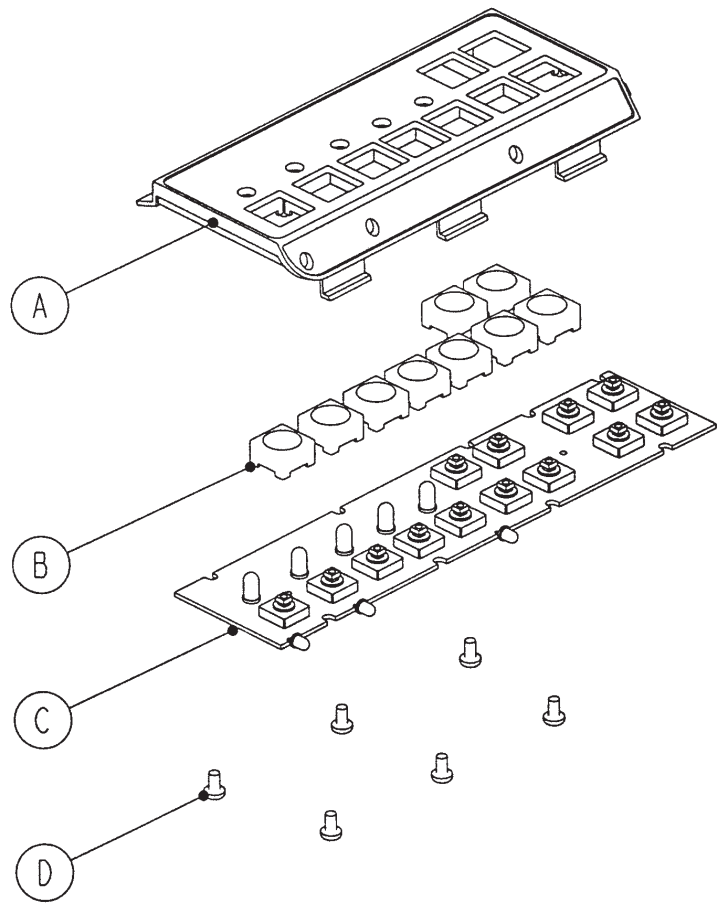
| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| AB   | 3002-508-004 | Blank Module Label | 1    |
| AD   | 3001-500-003 | Blank Module       | 1    |

# Foot Board Ass'y, Gatch/Fowler Option - 3002-501-011



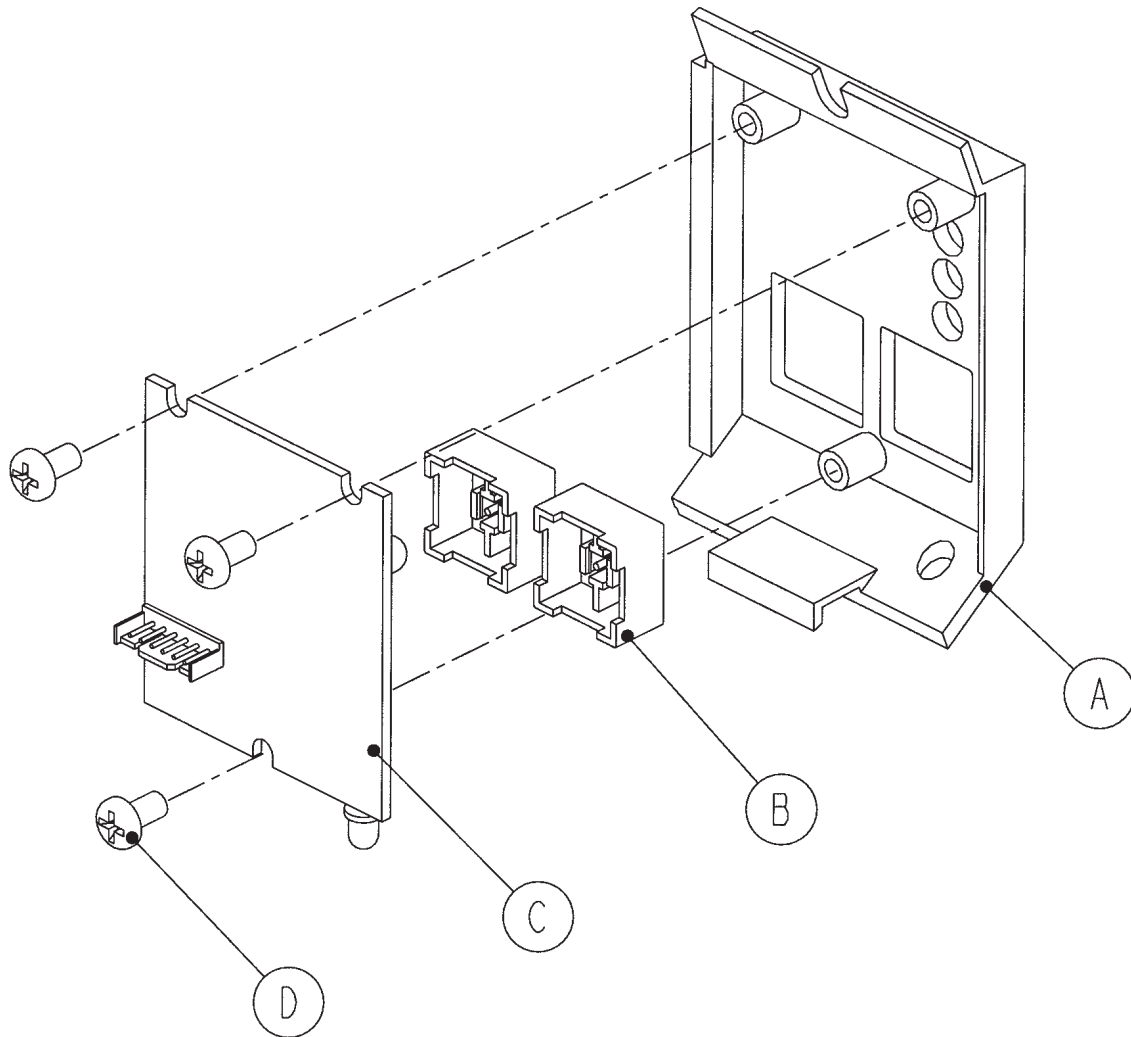
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| AJ   | 0023-087-000 | Pan Hd. Hi-Lo Tap. Screw  | 3    |
| AL   | 3001-400-953 | Switch Cap                | 4    |
| AX   | 3000-501-001 | Gatch/Fowler Module       | 1    |
| AY   | 3002-501-002 | Gatch/Fowler Module Label | 1    |

# Foot Board Standard Module Ass'y - 3001-500-028



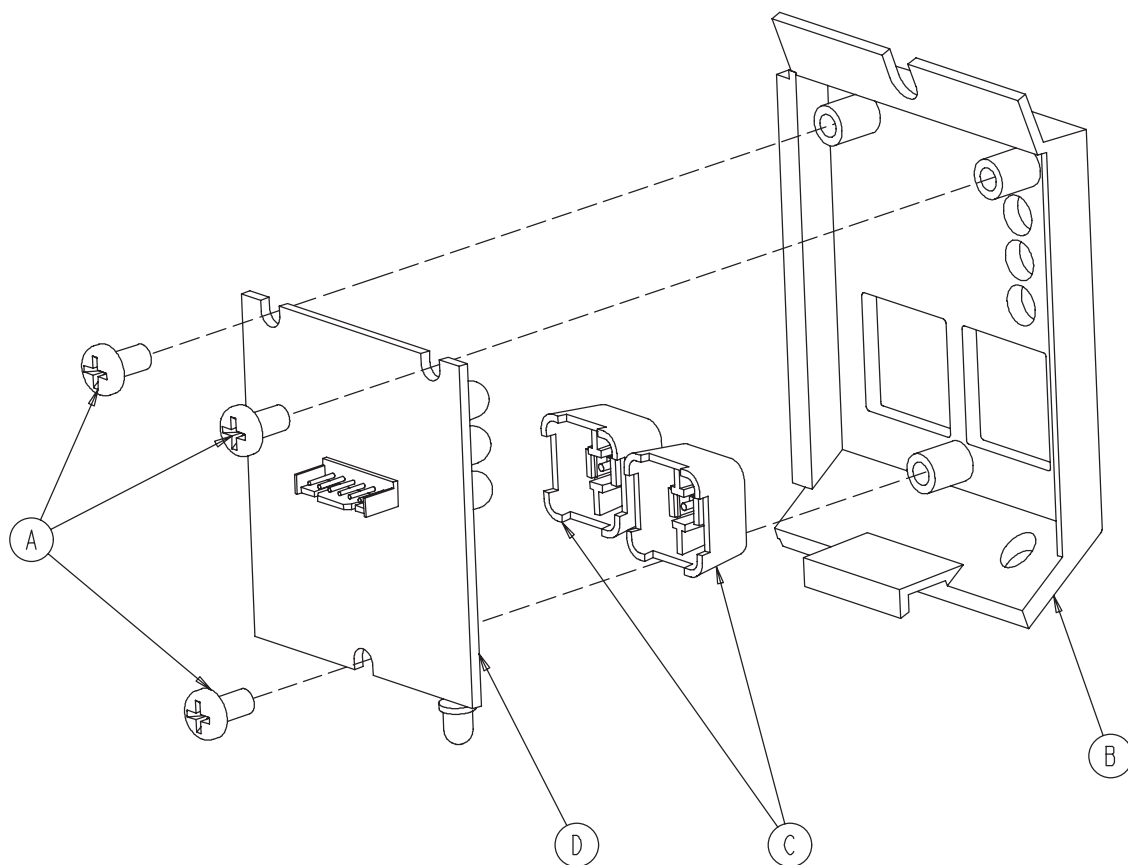
| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 3000-500-002 | Foot Board Standard Module | 1    |
| B    | 3001-400-953 | Switch Cap                 | 9    |
| C    | 3001-500-930 | Main Foot Board Keyboard   | 1    |
| D    | 0023-087-000 | Pan Hd. Tapping Screw      | 6    |

## Optional Foot Board Bed Exit Module - 3001-508-030



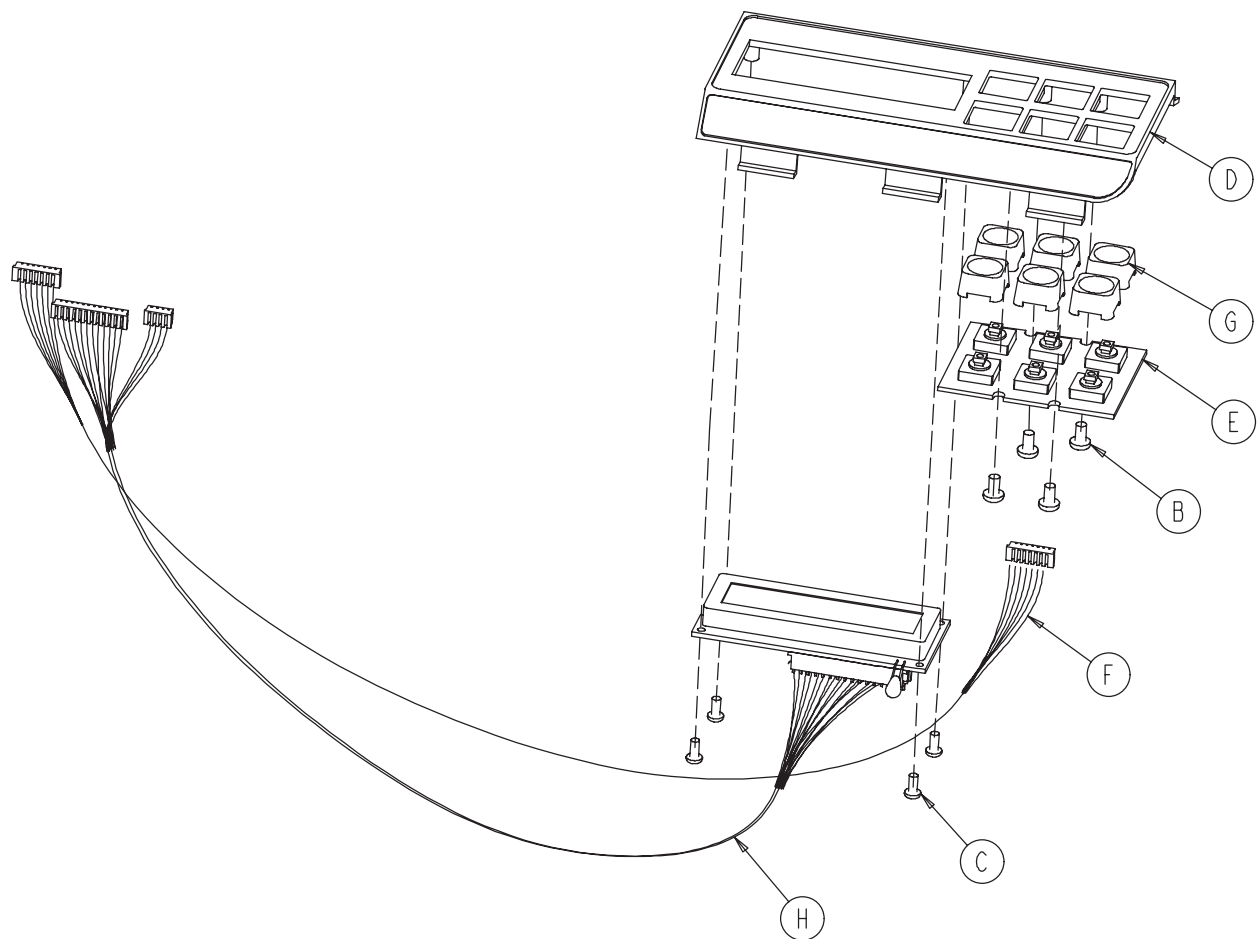
| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 3000-508-001 | Bed Exit Module Panel | 1    |
| B    | 3001-400-953 | Switch Cap            | 2    |
| C    | 3001-508-910 | Bed Exit Keypad Ass'y | 1    |
| D    | 0023-087-000 | Tapping Screw         | 3    |

## Optional Foot Board Zone Cntrl/Bed Exit Module - 3002-508-030



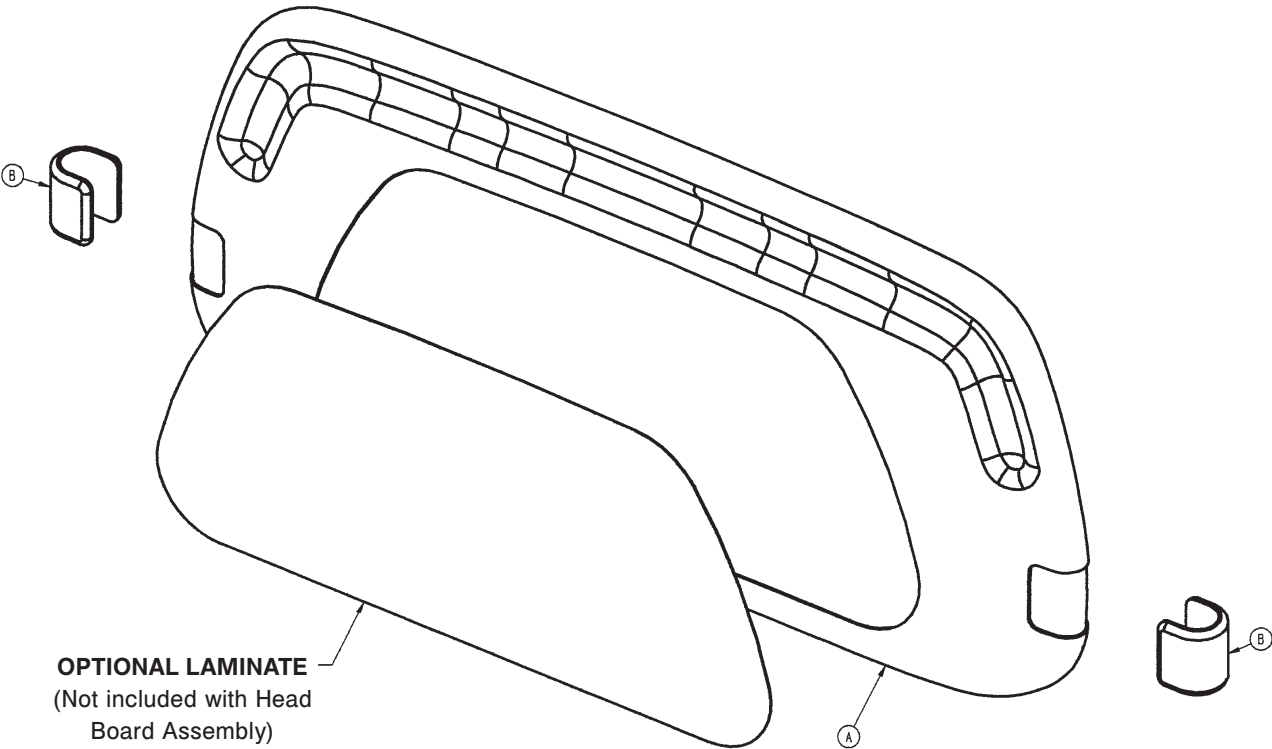
| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 0023-087-000 | Hi-Low Tapping Screw  | 3    |
| B    | 3000-508-001 | End Exit Module Panel | 1    |
| C    | 3001-400-953 | Switch Cap            | 2    |
| D    | 3002-508-900 | Bed Exit Board        | 1    |

# Foot Board Scale Module Assembly - 3002-507-030



| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| B    | 0023-087-000 | Pan Hd. Hi-Lo Tapping Screw | 4    |
| C    | 0023-091-000 | Pan Hd. Hi-Lo Tapping Screw | 4    |
| D    | 3001-507-001 | Scale Module                | 1    |
| E    | 3001-507-910 | Scale Keypad                | 1    |
| F    | 3001-507-800 | Scale Keypad Cable          | 1    |
| G    | 3001-400-953 | Switch Cap                  | 6    |
| H    | 3002-507-900 | Scale Display Cable         | 1    |

# Head Board Assembly - 3002-600-000

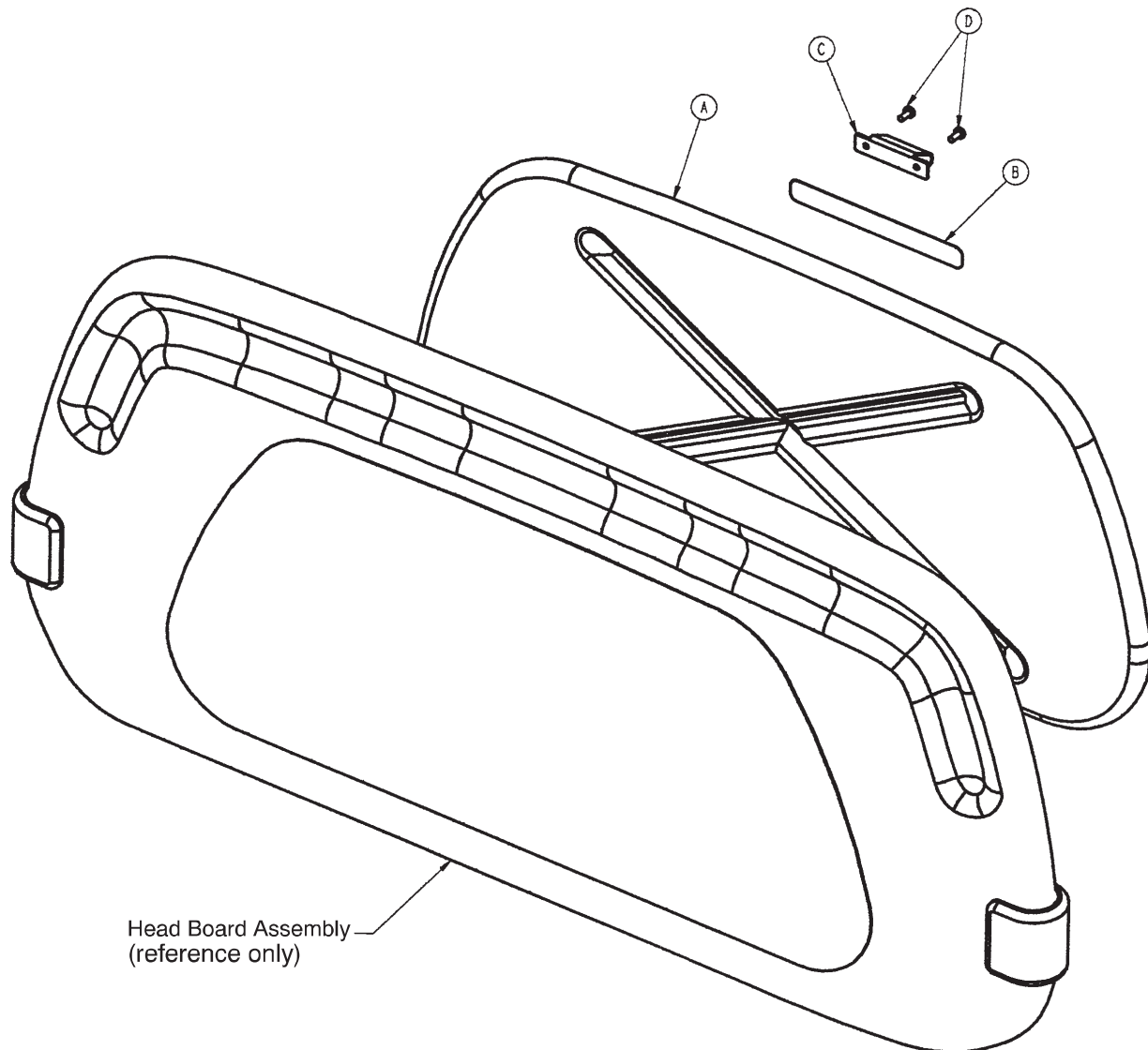


|                 |             |
|-----------------|-------------|
| Hard Rock Maple | 3000-50-441 |
| Fine Oak        | 3000-50-442 |
| Port Maple      | 3000-50-443 |
| Wild Cherry     | 3000-50-446 |
| Cayenne Maple   | 3000-50-447 |
| Honey Maple     | 3000-50-448 |
| Select Cherry   | 3000-50-449 |

| Item | Part No.       | Part Name                      | Qty. |
|------|----------------|--------------------------------|------|
| A    | 3000-600-010   | Clamshell Assembly             | 1    |
| B    | 0072-002-071   | Cyanoacrylate Adhesive (grams) | .30  |
| C    | (3000-060-400) | Headboard Laminate             | 1    |
| D    | 3002-500-007   | C-Bumper                       | 2    |

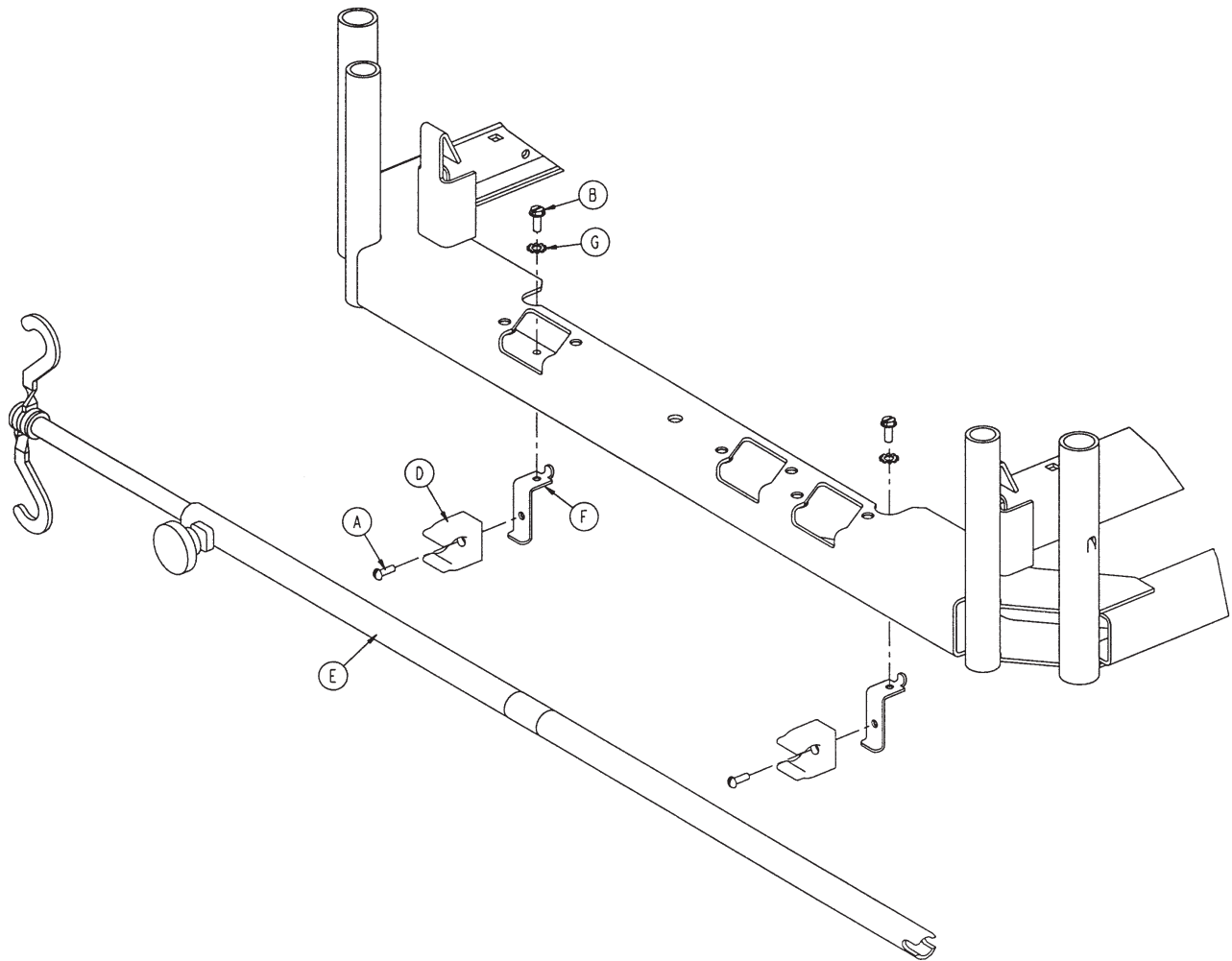
## Optional CPR Board Assembly - 3000-526-010

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| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 3000-526-001 | CPR Board             | 1    |
| B    | 3000-526-003 | CPR Board Label       | 1    |
| C    | 3000-526-002 | CPR Head Board Clip   | 1    |
| D    | 0023-088-000 | Pan Hd. Tapping Screw | 2    |

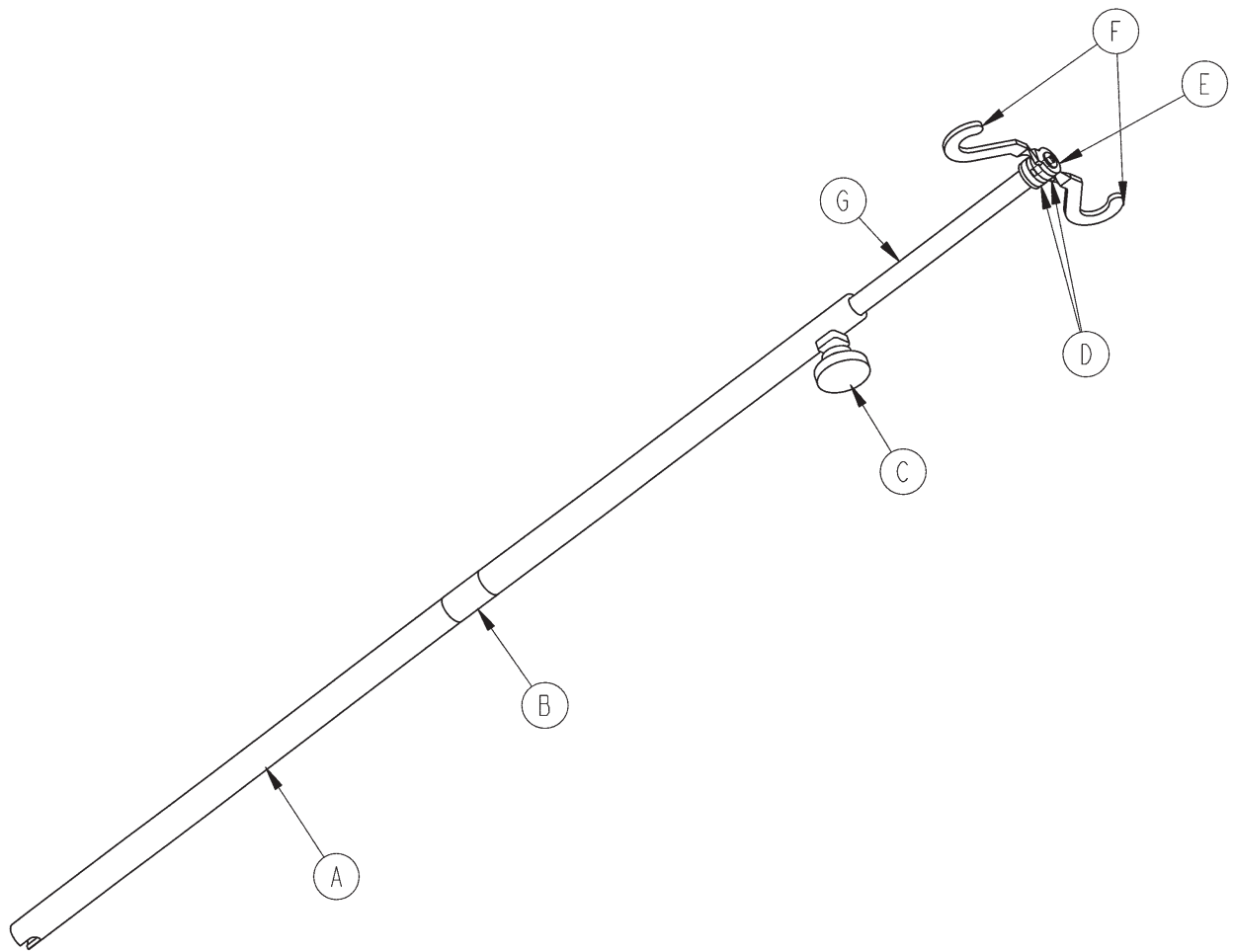
## Optional Removable I.V. Pole and Mounting Ass'y - 3001-338-010



| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 0002-031-000 | Round Hd. Screw            | 2    |
| B    | 0003-124-000 | Hex Washer Hd. Screw       | 2    |
| D    | 0958-001-224 | I.V. Clip                  | 2    |
| E    | 3000-300-080 | I.V. Pole Assembly         | 1    |
| F    | 3001-300-087 | Mounting Bracket           | 2    |
| G    | 0013-018-000 | External Tooth Lock Washer | 2    |

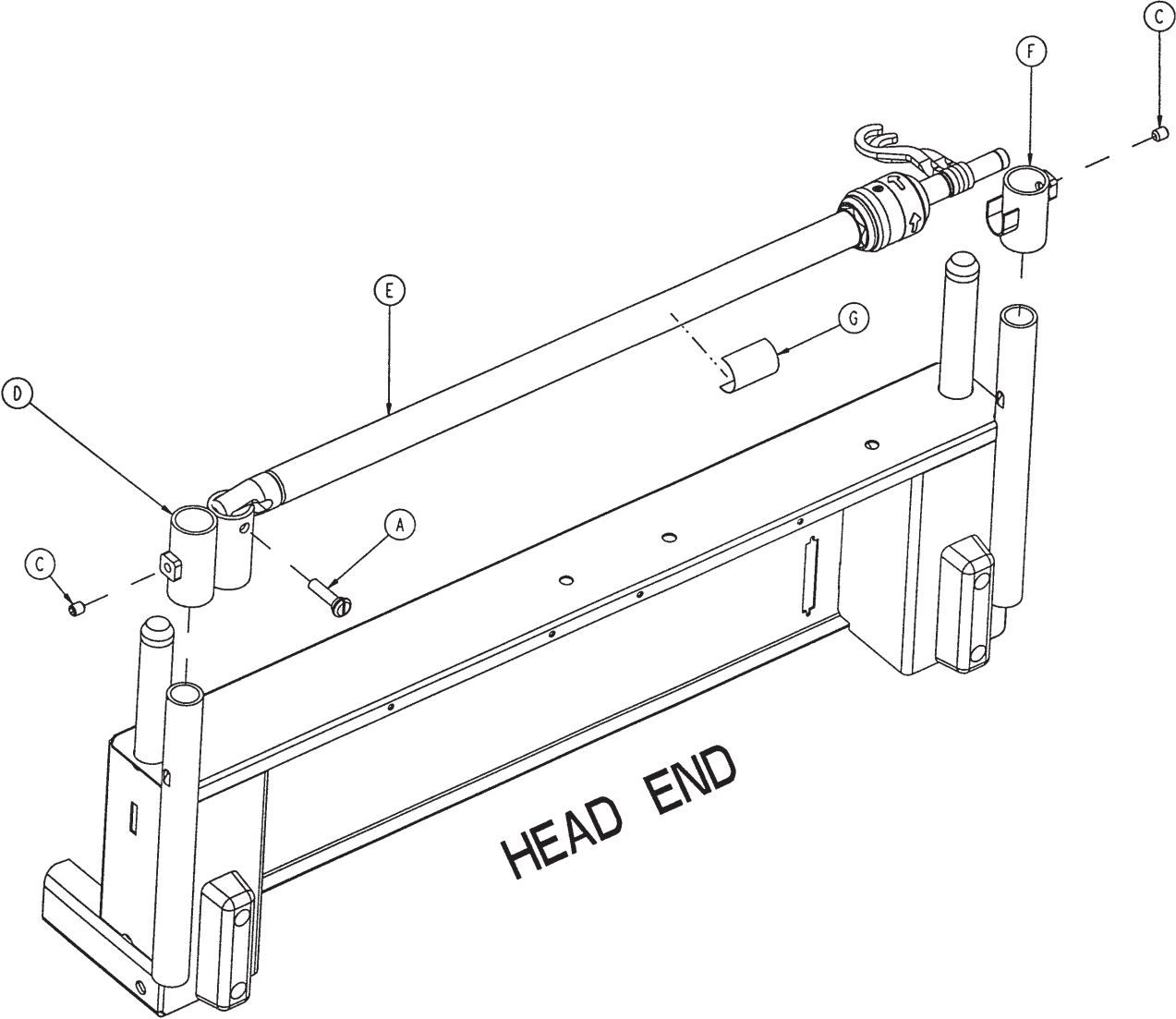
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## Removable I.V. Pole Assembly - 3000-300-080



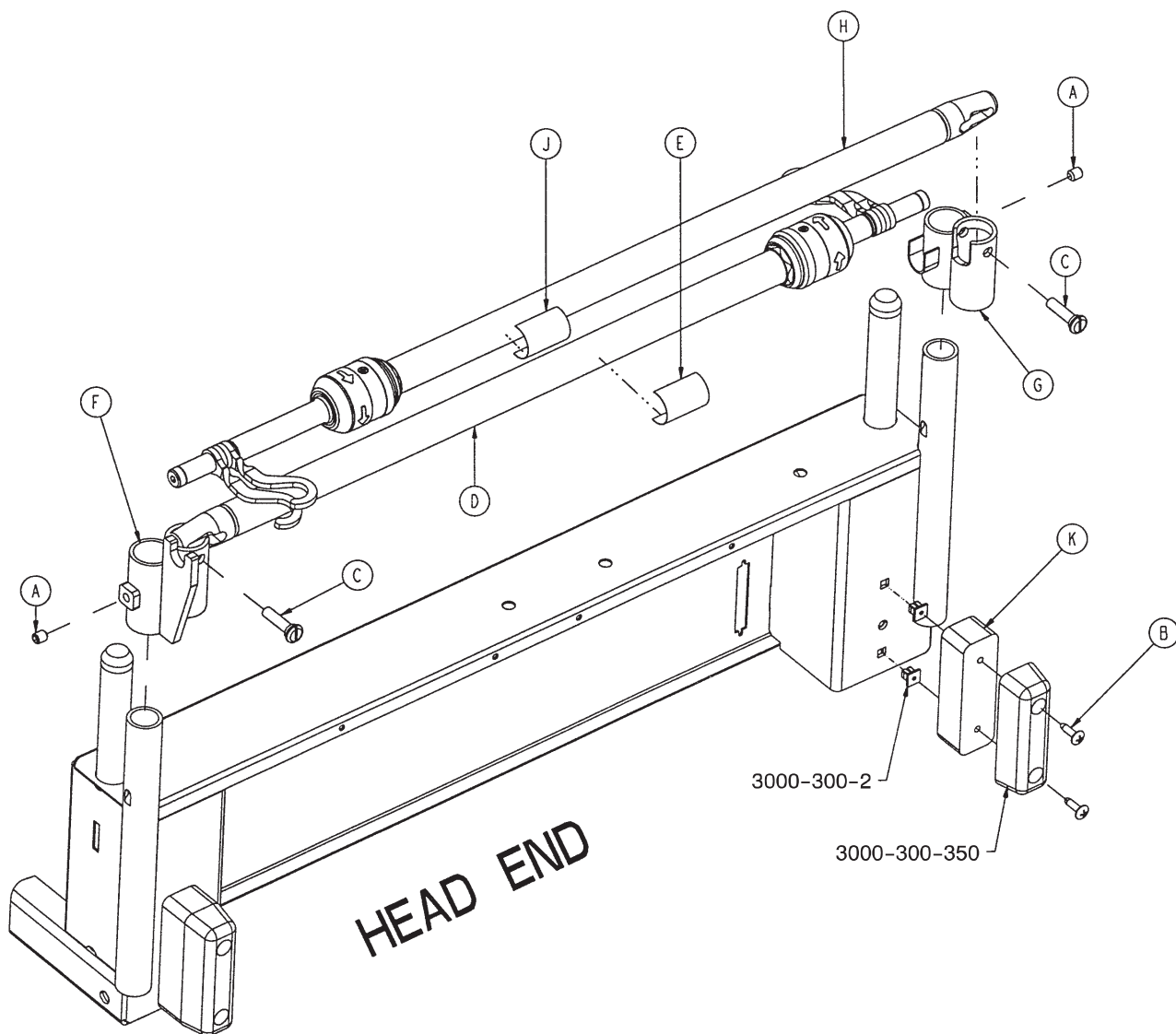
| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| A    | 3000-300-081 | Outer Tube               | 1    |
| B    | 3000-300-089 | Label                    | 1    |
| C    | 0024-050-000 | Fluted Knob              | 1    |
| D    | 0052-017-000 | Spacer                   | 2    |
| E    | 0007-040-000 | Phillips Truss Hd. Screw | 1    |
| F    | 1010-059-016 | I.V. Hook                | 2    |
| G    | 3000-300-085 | Inner Tube Assembly      | 1    |

# Optional 2-Stage I.V. Pole Assembly - 2035-112-000



| Item | Part No.     | Part Name   | Qty. |
|------|--------------|---|------|
| A    | 1015-024-035 | Retaining Pin   | 1    |
| C    | 0021-140-000 | Set Screw   | 2    |
| D    | 2035-112-001 | I.V. Receptacle, H.E, Left                              | 1    |
| E    | 2035-112-010 | <a href="#">I.V. Pole Assembly, H.E., Left (pg.262)</a> | 1    |
| F    | 3000-311-016 | I.V. Rest   | 1    |
| G    | 2035-112-110 | Specification Label                                     | 1    |

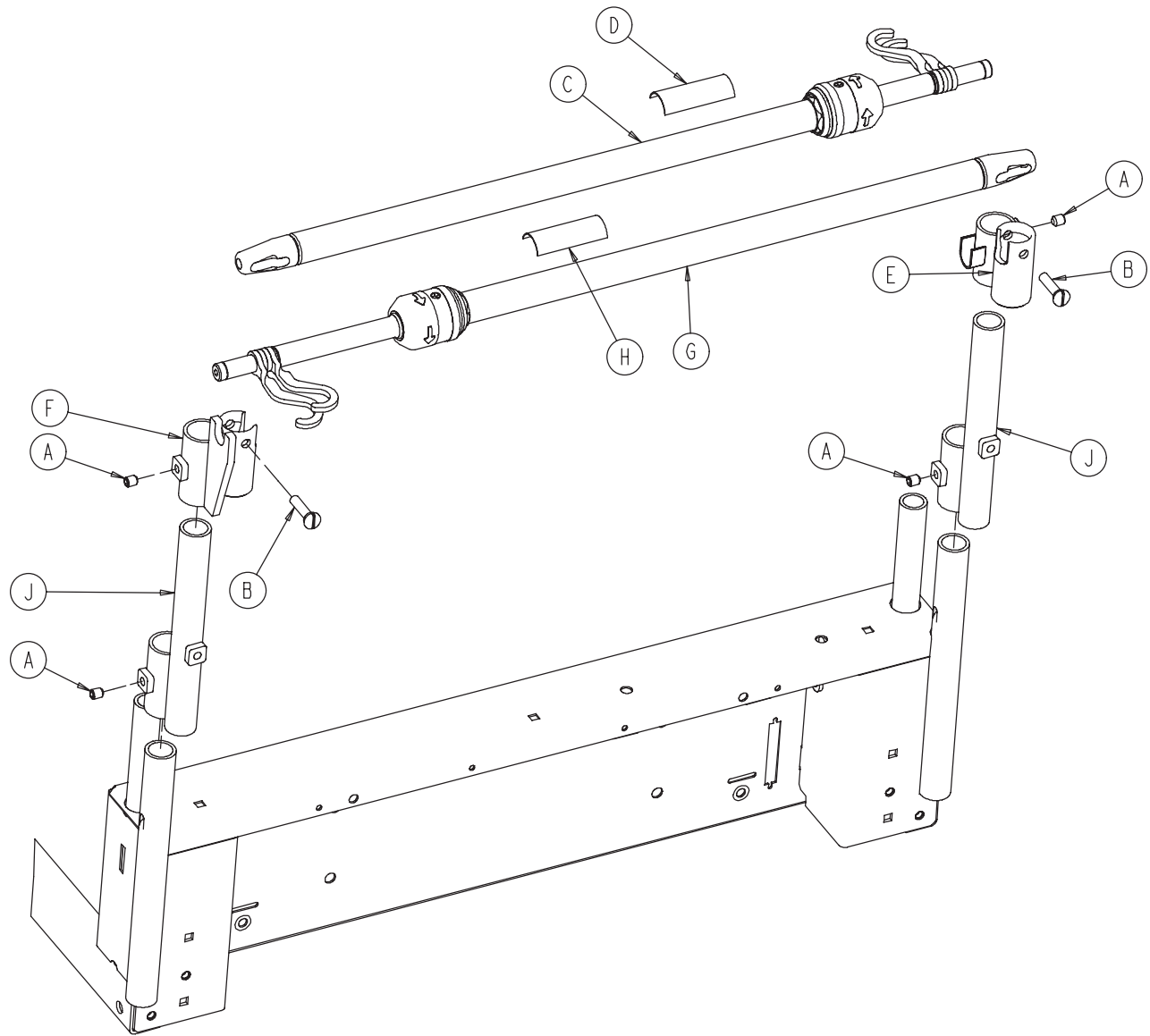
# Optional Dual Head End I.V. Pole Assembly - 2035-113-000



| Item | Part No.     | Part Name                       | Qty. |
|------|--------------|---------------------------------|------|
| A    | 0021-140-000 | Set Screw                       | 2    |
| B    | 0023-277-000 | Truss Hd. Screw                 | 4    |
| C    | 1015-024-035 | Retaining Pin                   | 2    |
| D    | 2035-112-010 | I.V. Pole Assembly, H.E., Left  | 1    |
| E    | 2035-112-110 | Specification Label             | 1    |
| F    | 2035-113-002 | I.V. Receptacle, Dual H.E., Lt. | 1    |
| G    | 2035-113-001 | I.V. Receptacle, Dual H.E., Rt. | 1    |
| H    | 2035-113-011 | I.V. Pole Assembly, H.E., Right | 1    |
| J    | 2035-113-111 | Specification Label             | 1    |
| K    | 2035-113-006 | Head End Bumper Spacer          | 2    |

# Optional Dual Head End I.V. Assembly - 2040-110-003

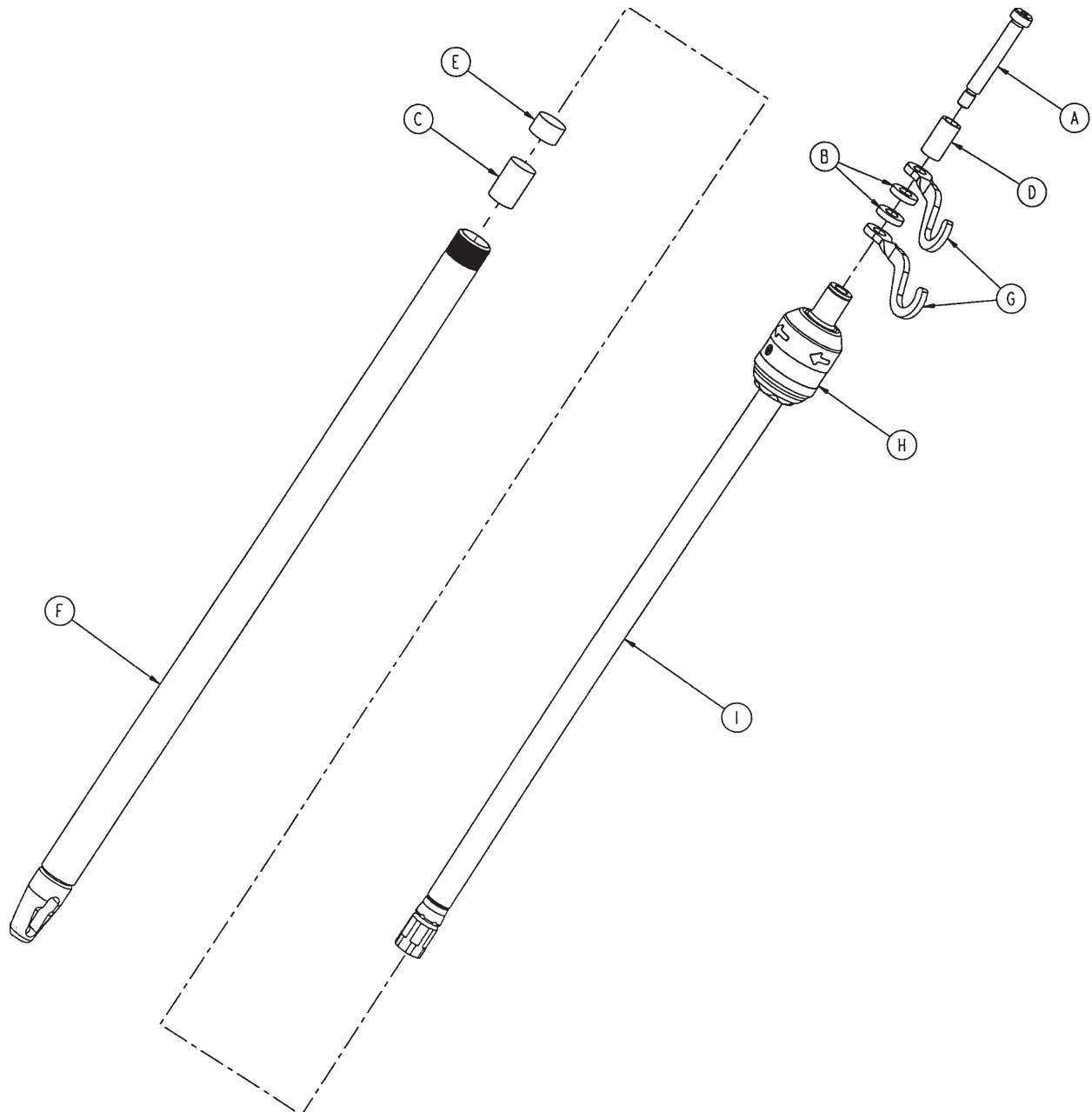
**FOR ZOOM® OPTION ONLY**



| Item | Part No.     | Part Name  | Qty. |
|------|--------------|--|------|
| A    | 0021-140-000 | Set Screw  | 4    |
| B    | 1015-024-035 | Retaining Pin                                      | 2    |
| C    | 2035-112-010 | <a href="#">I.V. Pole Assembly, Left (pg.262)</a>  | 1    |
| D    | 2035-11-110  | Specification Label                                | 1    |
| E    | 2035-113-002 | I.V. Receptacle, Dual Hd. End, Rt.                 | 1    |
| F    | 2035-113-001 | I.V. Receptacle, Dual Hd. End, Lt                  | 1    |
| G    | 2035-113-011 | <a href="#">I.V. Pole Assembly, Right (pg.262)</a> | 1    |
| H    | 2035-113-111 | Specification Label                                | 1    |
| J    | 2040-110-002 | I.V. Pole Extension                                | 2    |

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## 2-Stage I.V. Pole - 2035-112-010 & 2035-113-011



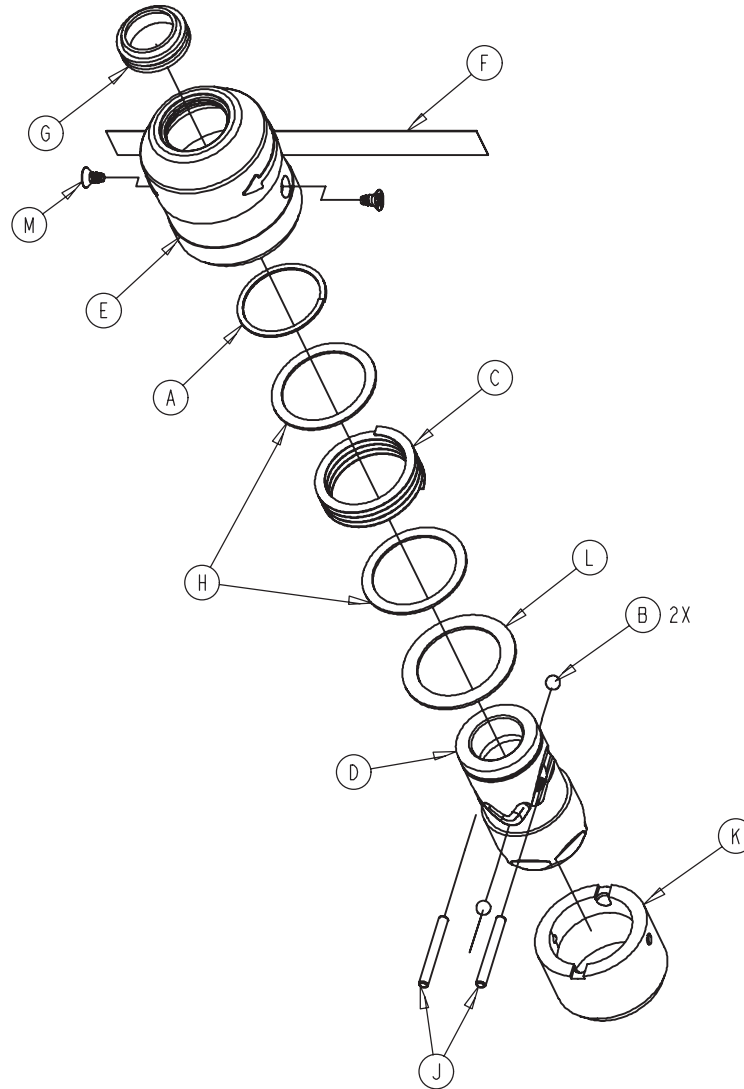
**Left Side - 2035-112-010**

**Right Side - 2035-113-011**

| Item | Part No.     | Part Name               | Qty |
|------|--------------|-------------------------|-----|
| A    | 0008-031-000 | Soc. Hd. Shoulder Screw | 1   |
| B    | 0052-017-000 | Washer                  | 2   |
| C    | 0052-310-000 | Spacer                  | 1   |
| D    | 0926-400-162 | Spacer                  | 1   |
| E    | 1001-259-013 | Dampener                | 1   |
| F    | 1001-259-032 | Base Tube Weldment      | 1   |
| G    | 1010-259-016 | I.V. Hook               | 2   |
| H    | 0785-035-103 | I.V. Pole Latch         | 1   |
| I    | 1211-110-029 | 2nd Stage Assembly      | 1   |

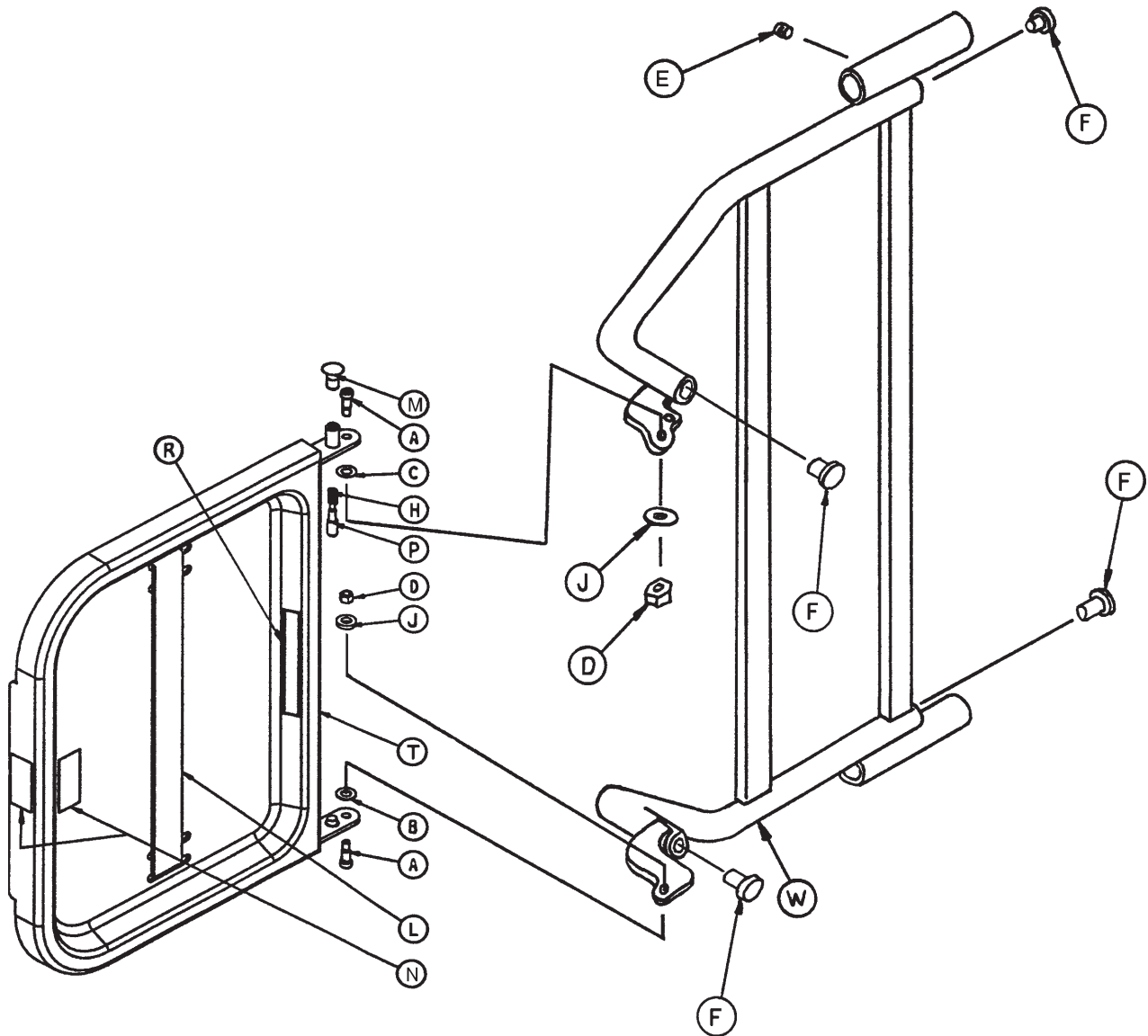
| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 0008-031-000 | Soc. Hd. Shoulder Screw | 1    |
| B    | 0052-017-000 | Washer                  | 2    |
| C    | 0052-311-000 | Spacer                  | 1    |
| D    | 0926-400-162 | Spacer                  | 1    |
| E    | 1001-259-013 | Dampener                | 1    |
| F    | 1001-259-032 | Base Tube Weldment      | 1    |
| G    | 1010-259-016 | I.V. Hook               | 2    |
| H    | 0785-035-103 | I.V. Pole Latch         | 1    |
| I    | 1211-110-029 | 2nd Stage Assembly      | 1    |

## I.V. Pole Latch Assembly - 0785-035-103



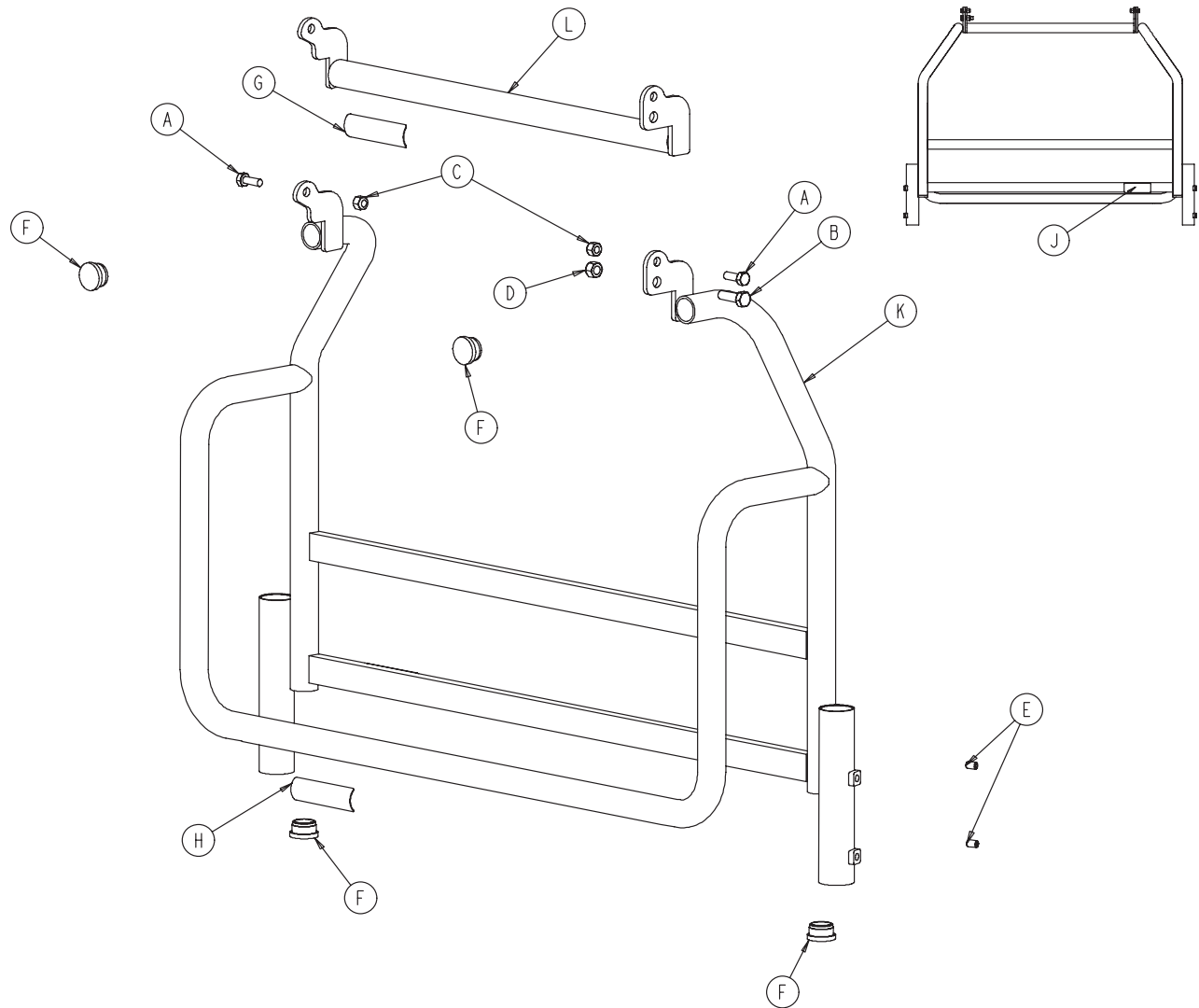
| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0028-167-000 | Retaining Ring         | 1    |
| B    | 0031-004-000 | Steel Ball             | 2    |
| C    | 0038-392-000 | Wave Spring            | 1    |
| D    | 0785-035-023 | I.V. Latch ID Housing  | 1    |
| E    | 0785-035-024 | I.V. Latch OD Housing  | 1    |
| F    | 0785-035-029 | I.V. Release Label     | 2    |
| G    | 1211-011-018 | I.V. Latch Seal        | 2    |
| H    | 1211-110-020 | Washer                 | 2    |
| J    | 1211-110-021 | I.V. Latch Locking Pin | 2    |
| K    | 1211-110-022 | I.V. Latch Guide       | 1    |
| L    | 1211-110-035 | Washer                 | 1    |
| M    | 1211-110-036 | Self-Tapping Screw     | 2    |

# Optional Defibrillator Tray Assembly - 2025-120-000



| Item | Part No.     | Part Name              | Qty. | Item | Part No.     | Part Name            | Qty. |
|------|--------------|------------------------|------|------|--------------|----------------------|------|
| A    | 0008-049-000 | Soc. Hd. Shoulder Bolt | 2    | L    | 1010-050-021 | Long Strap           | 1    |
| B    | 0014-020-000 | Thrust Washer          | 1    | M    | 1010-050-050 | Knob                 | 1    |
| C    | 0014-021-000 | Thrust Washer          | 1    | N    | 1010-050-057 | Max. Weight Label    | 4    |
| D    | 0016-028-000 | Fiberlock Nut          | 2    | P    | 1010-050-242 | Lock Pin             | 1    |
| E    | 0021-017-000 | Set Screw              | 4    | R    | 2025-120-005 | Equipment Label      | 1    |
| F    | 0037-214-000 | Hole Plug              | 4    | S    | 2025-120-006 | Specification Label  | 1    |
| H    | 0038-133-000 | Spring                 | 1    | T    | 2025-120-018 | Tray Assembly        | 1    |
| J    | 0052-017-000 | Spacer                 | 2    | W    | 2025-120-025 | Pivot Weldment Frame | 1    |
| K    | 1010-050-019 | "Push/Pull" Label      | 1    |      |              |                      |      |

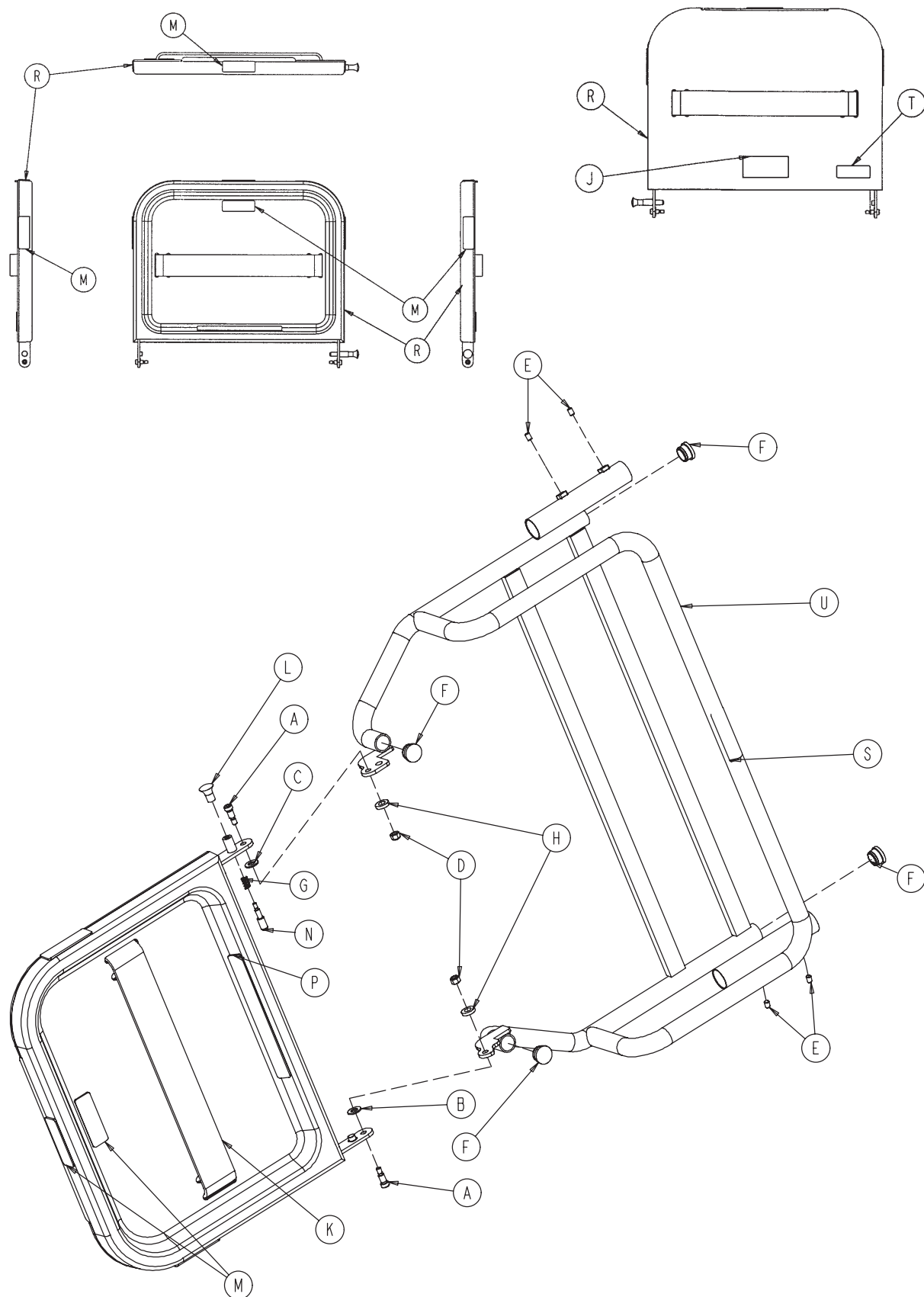
# Optional Pleur-Evac Rack Assembly - 2040-120-020



| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 0003-050-000 | Hex Hd. Cap Screw       | 2    |
| B    | 0003-085-000 | Hex Hd. Cap Screw       | 1    |
| C    | 0015-028-000 | Nylock Nut              | 2    |
| D    | 0016-036-000 | Nylock Nut              | 1    |
| E    | 0021-017-000 | Set Screw               | 4    |
| F    | 0037-214-000 | Hole Plug               | 4    |
| G    | 1010-050-057 | Maximum Weight Label    | 1    |
| H    | 2040-090-001 | Acc. Rail Warning Label | 1    |
| J    | 2040-090-004 | Specification Label     | 1    |
| K    | 2040-120-003 | Rack Weldment           | 1    |
| L    | 2040-120-010 | Rack Top Weldment       | 1    |

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# Optional Pleur-Evac Rack with Defibrillator Tray - 2040-120-004



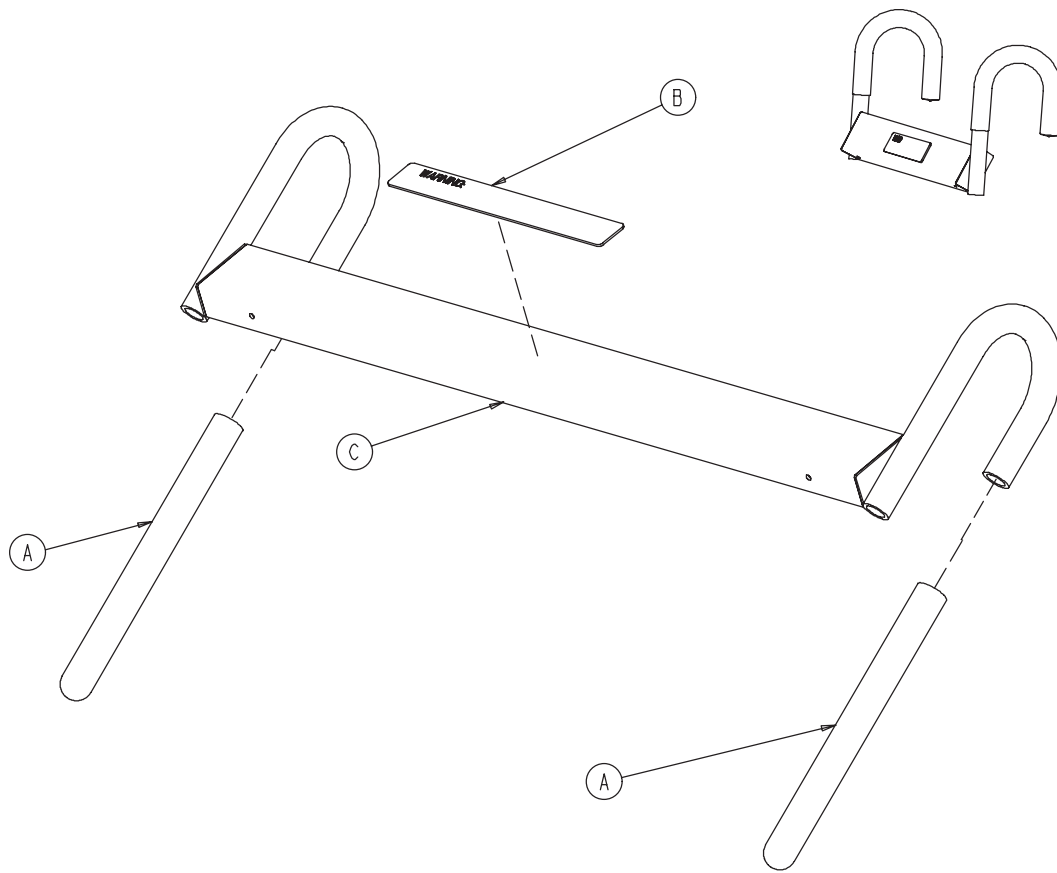
## Optional Pleur-Evac Rack with Defibrillator Tray - 2040-120-004

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| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| A    | 0008-049-000 | Soc. Hd. Shoulder Bolt | 2    |
| B    | 0014-020-000 | Thrust Washer          | 1    |
| C    | 0014-021-000 | Thrust Washer          | 1    |
| D    | 0016-028-000 | Fiberlock Nut          | 2    |
| E    | 0021-017-000 | Set Screw              | 4    |
| F    | 0037-214-000 | Hole Plug              | 4    |
| G    | 0038-133-000 | Spring                 | 1    |
| H    | 0052-017-000 | Spacer                 | 2    |
| J    | 1010-050-019 | "Push/Pull" Label      | 1    |
| K    | 1010-050-021 | Long Strap             | 1    |
| L    | 1010-050-050 | Knob                   | 1    |
| M    | 1010-050-057 | "Max. Weight" Label    | 4    |
| N    | 1010-050-242 | Lock Pin               | 1    |
| P    | 2025-120-005 | Equipment Label        | 1    |
| R    | 2025-120-018 | Tray Assembly          | 1    |
| S    | 2040-090-001 | Warning Label          | 1    |
| T    | 2040-090-005 | Specification Label    | 1    |
| U    | 2040-120-003 | Rack Weldment          | 1    |

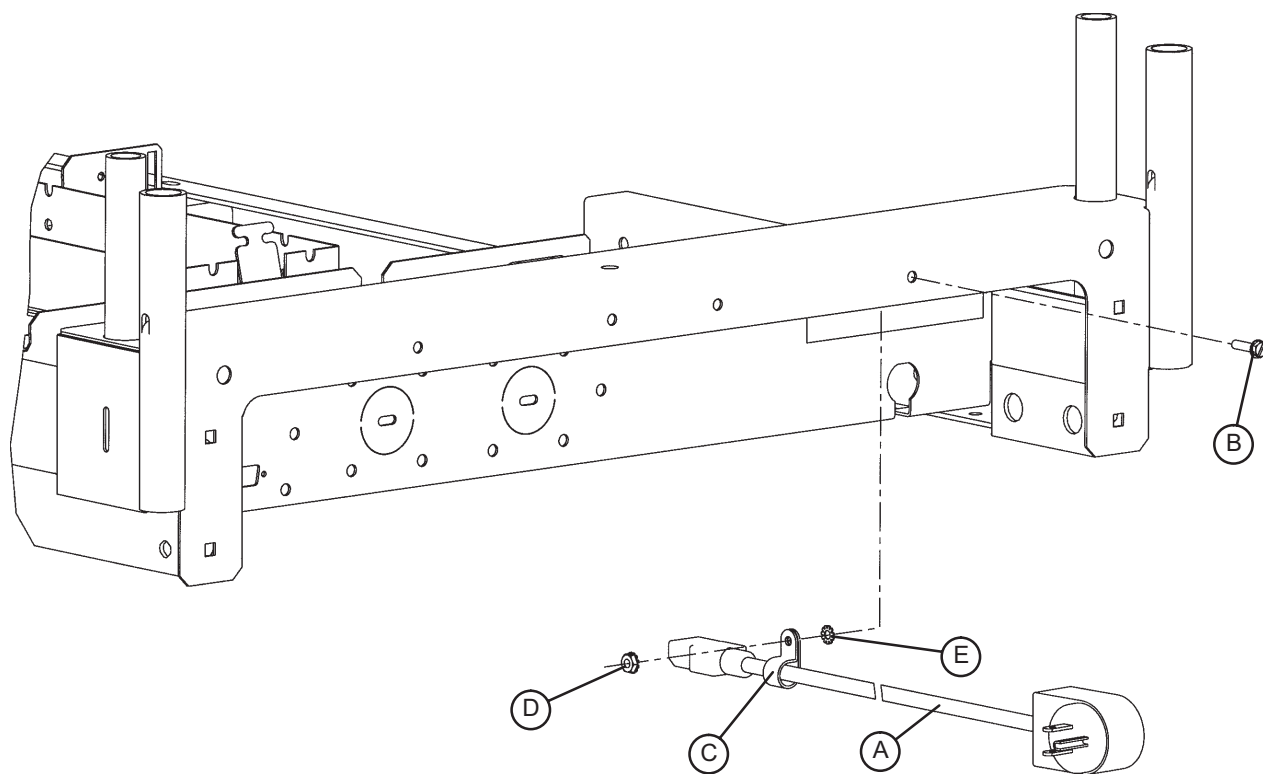
## Optional Pump Rack Assembly - 2040-111-000

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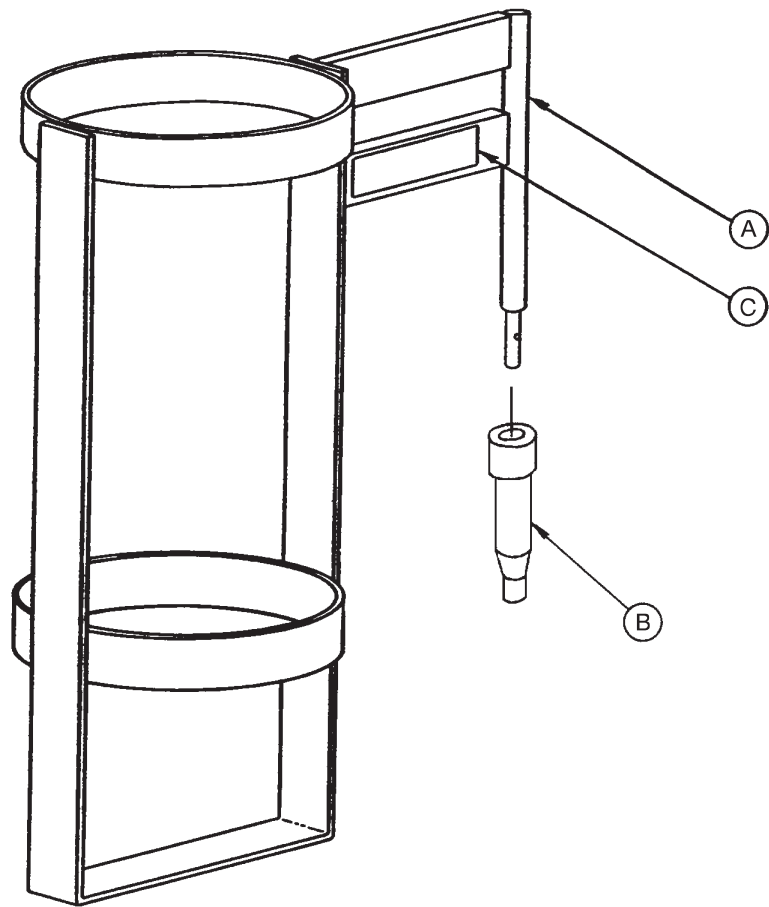
| Item | Part No.     | Part Name       | Qty. |
|------|--------------|-----------------|------|
| A    | 0058-087-000 | End Cap         | 2    |
| B    | 2030-140-002 | Pump Rack Label | 1    |
| C    | 2040-111-005 | Pump Rack Tube  | 1    |

## Optional 90° Power Cord - 3001-334-010



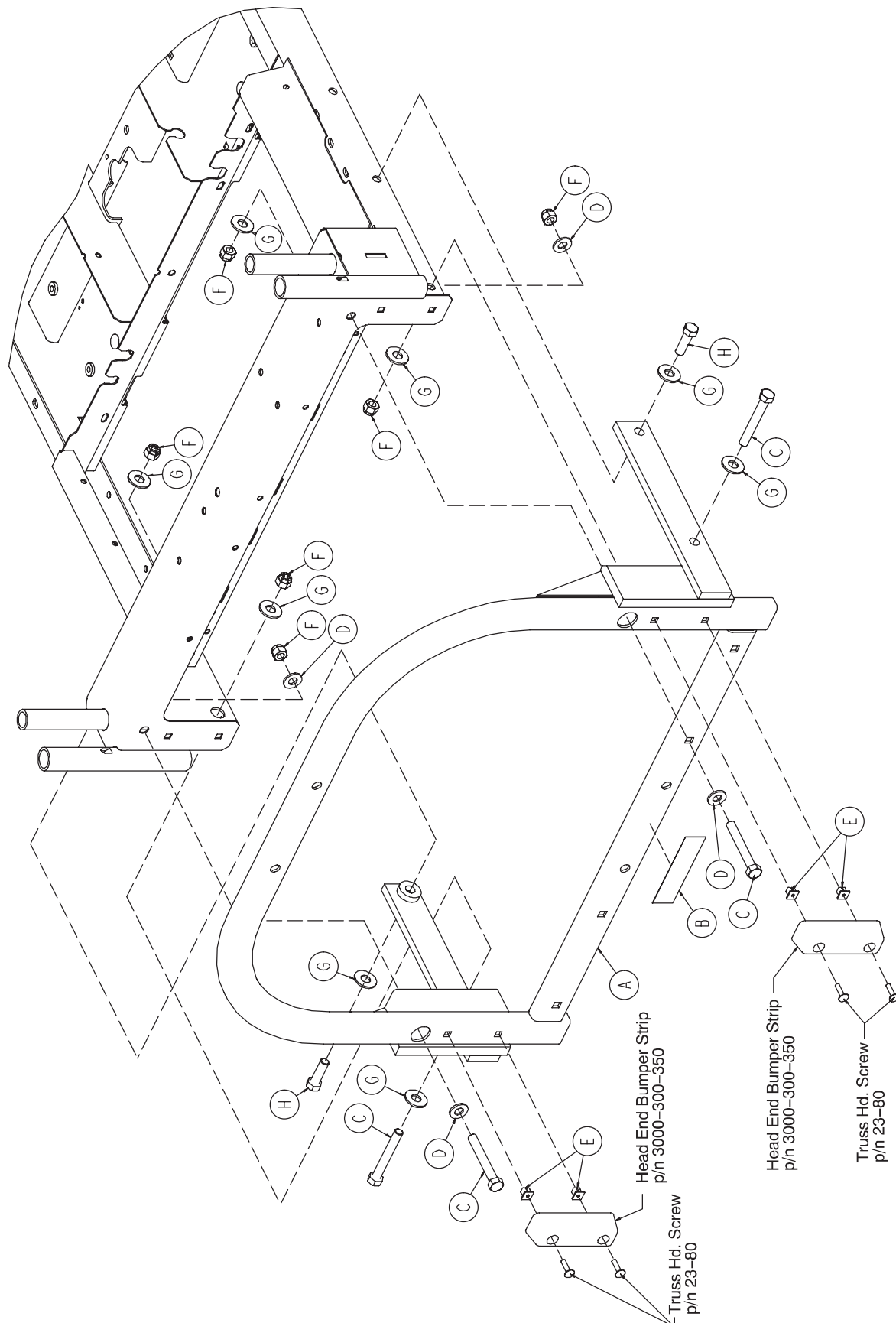
| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 3001-334-860 | 90 Power Cord (12 O'Clock) | 1    |
|      | 3001-334-861 | 90 Power Cord (9 O'Clock)  | 1    |
|      | 3001-334-862 | 90 Power Cord (6 O'Clock)  | 1    |
|      | 3001-334-863 | 90 Power Cord (3 O'Clock)  | 1    |
| B    | 0003-132-000 | Hex Washer Hd. Screw       | 1    |
| C    | 0034-022-000 | Cable Clamp                | 1    |
| D    | 0016-041-000 | Kep Nut                    | 1    |
| E    | 0013-018-000 | External Tooth Lock Washer | 1    |

# Optional Upright O2 Bottle Holder Assembly - 2025-150-010



| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 1010-030-011 | Upright Bottle Holder | 1    |
| B    | 2025-150-001 | Bottle Holder Adapter | 1    |
| C    | 2025-150-002 | Specification Label   | 1    |

# Optional Accessory Adapter Frame - 3001-333-000



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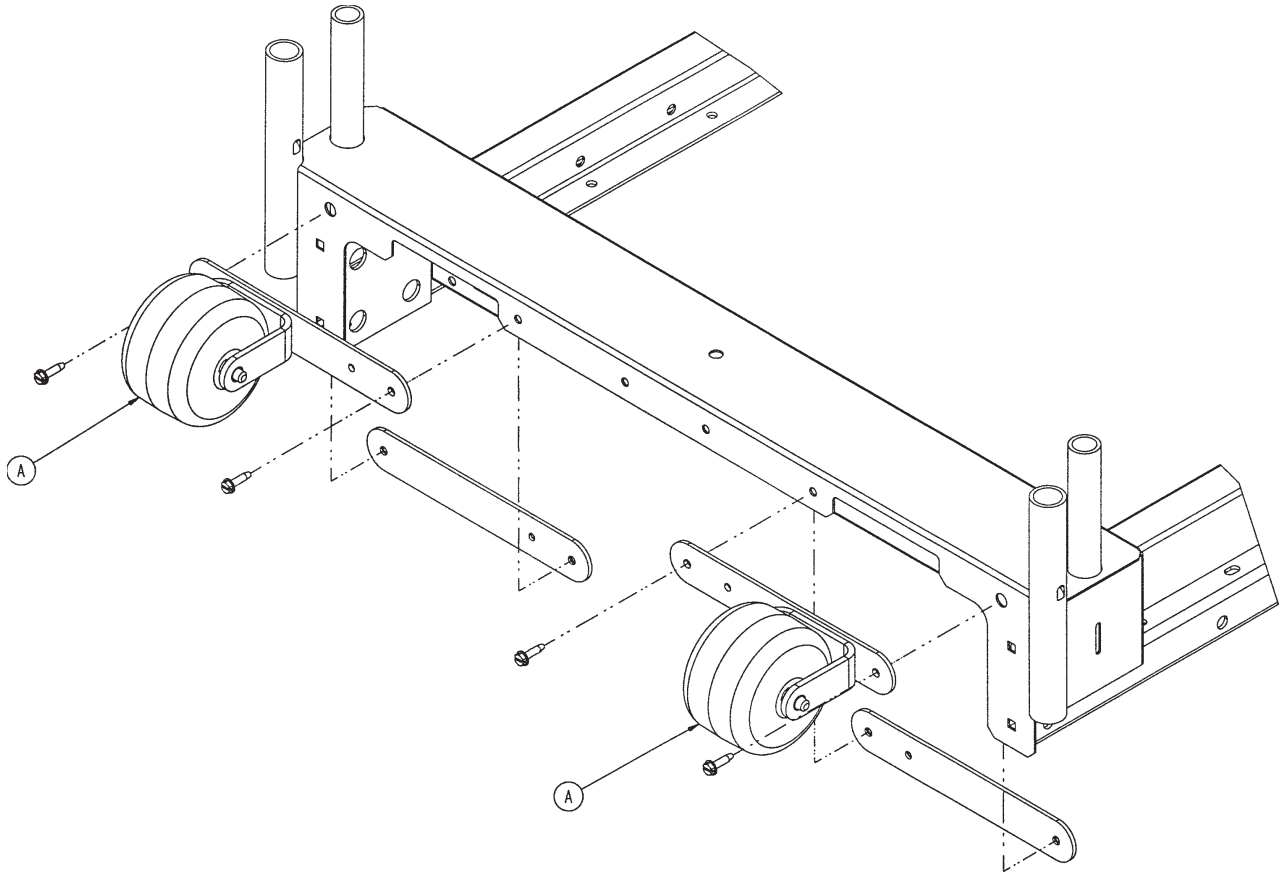
## Optional Accessory Adapter Frame - 3001-333-000

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| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 3001-333-010 | Frame Assembly          | 1    |
| B    | 3000-333-015 | Accessory Adapter Label | 1    |
| C    | 0003-208-000 | Hex Hd. Cap Screw       | 4    |
| D    | 0011-004-000 | Flat Washer             | 4    |
| E    | 3000-300-002 | Plastic Clip Nut        | 4    |
| F    | 0016-035-000 | Nylock Nut              | 6    |
| G    | 0011-361-000 | Flat Washer             | 8    |
| H    | 0003-025-000 | Hex Hd. Cap Screw       | 2    |

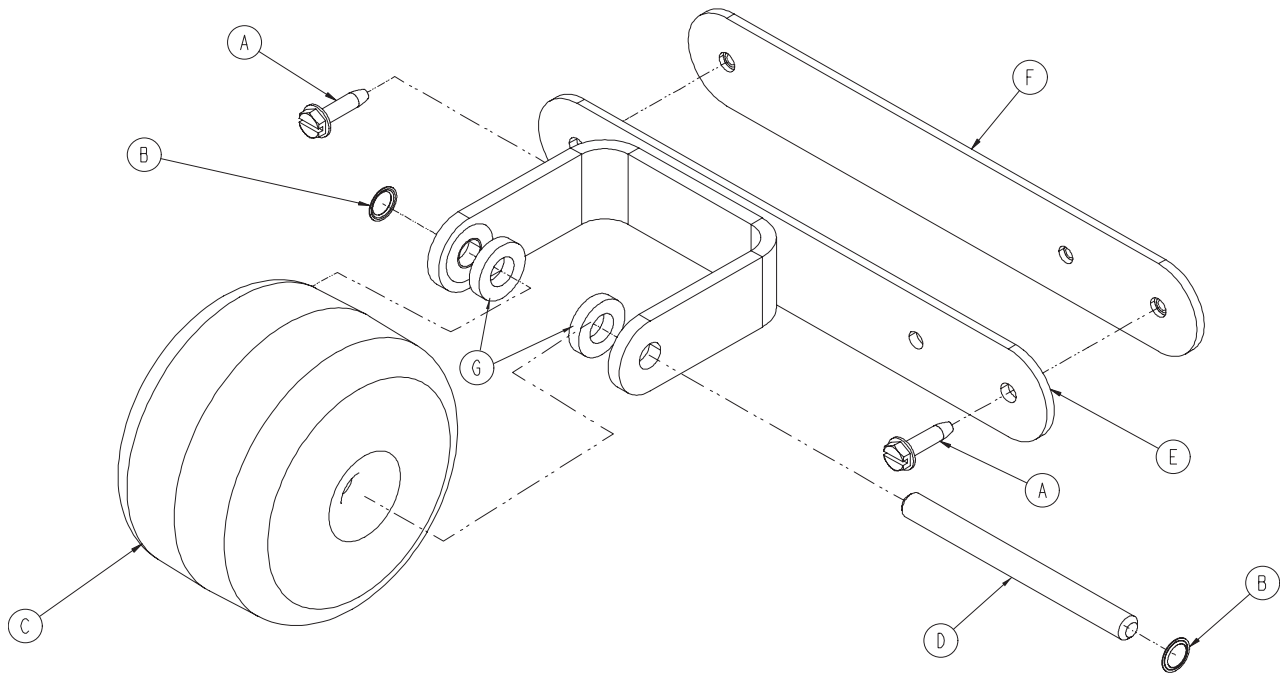
## Optional Litter Roller Assembly - 3002-335-000

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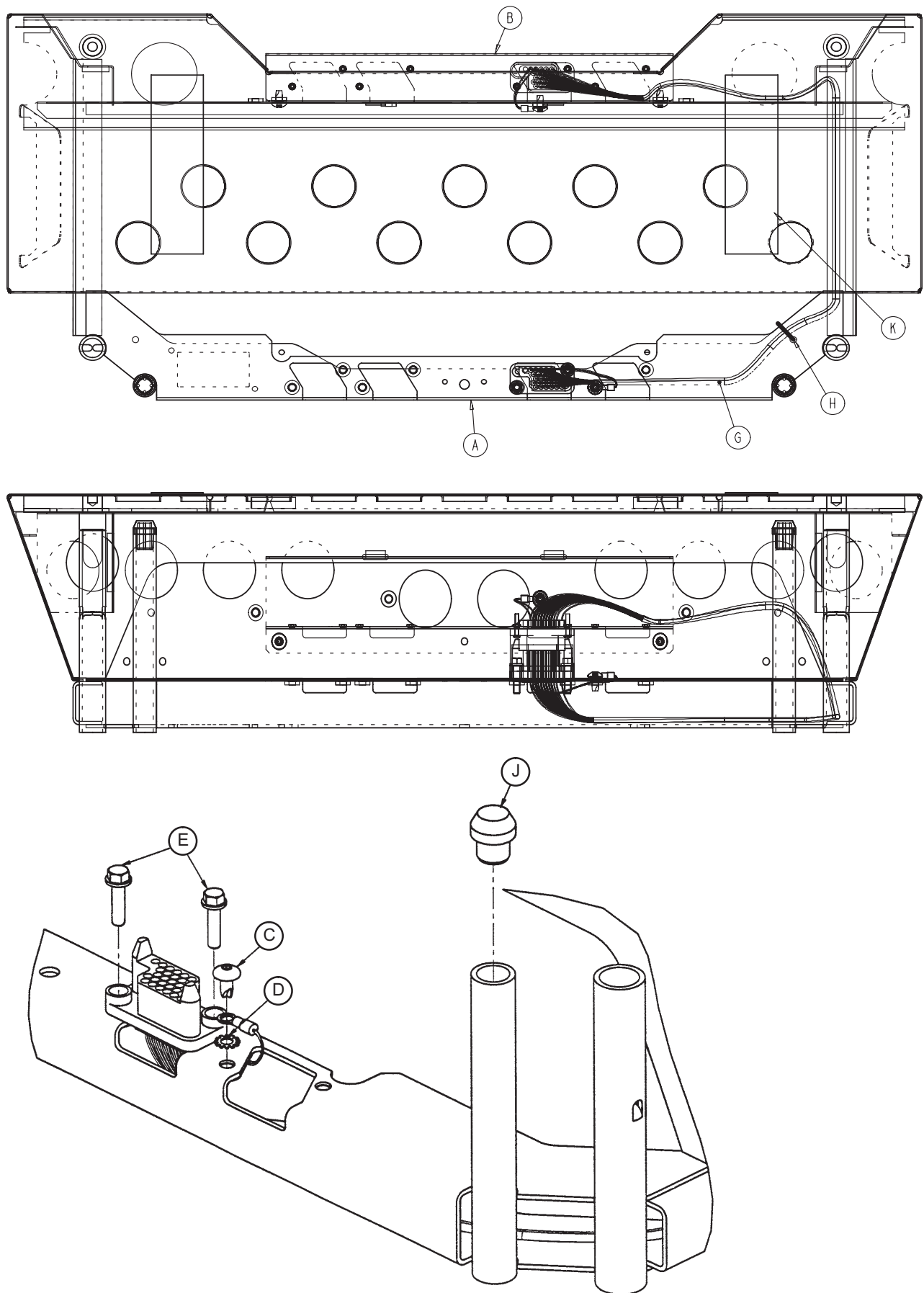
| Item | Part No.     | Part Name                                 | Qty. |
|------|--------------|---|------|
| A    | 3002-335-005 | <a href="#">Roller Assembly (pg. 271)</a> | 2    |

## Roller Assembly - 3002-335-005



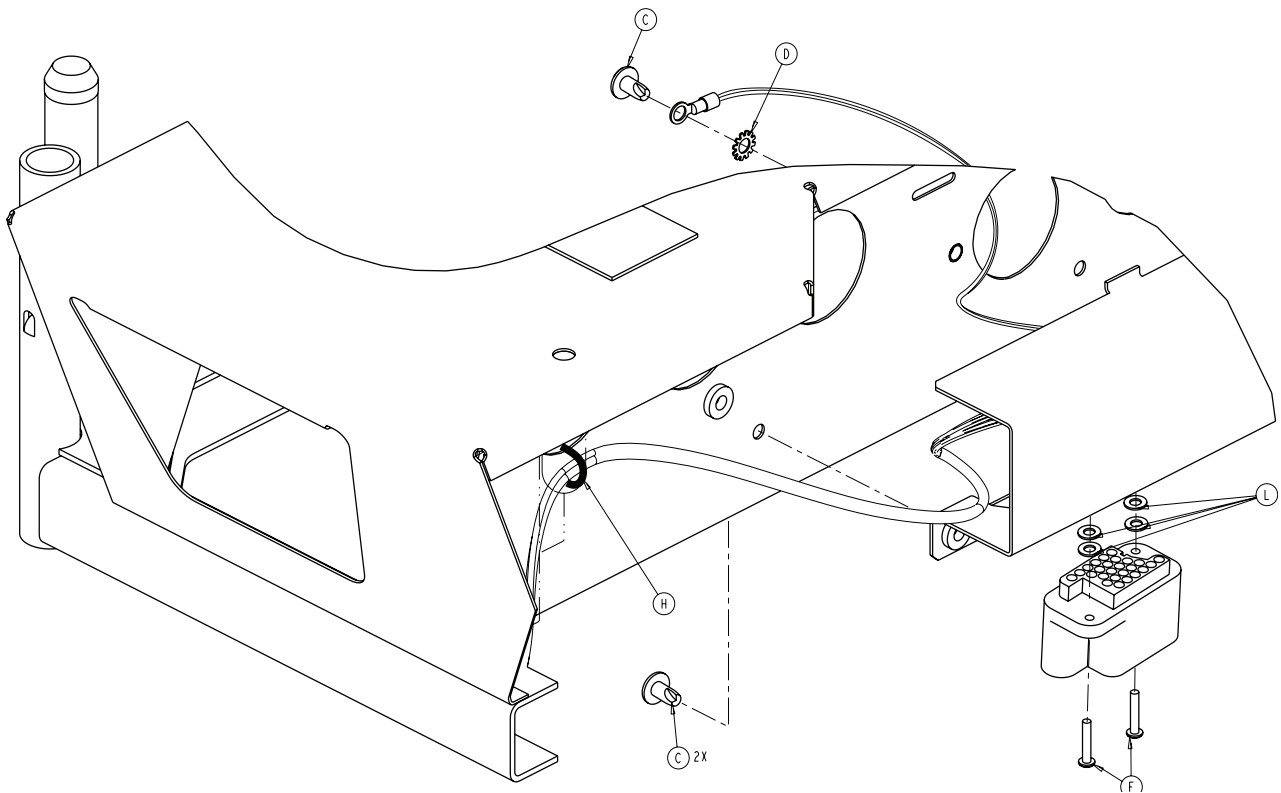
| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| A    | 0003-225-000 | Hex Washer Hd. Screw     | 2    |
| B    | 0052-727-000 | Grooveless Retainer Ring | 2    |
| C    | 3000-335-011 | Roller Bumper            | 1    |
| D    | 3000-335-012 | Roller Shaft             | 1    |
| E    | 3002-335-020 | Roller Bracket           | 1    |
| F    | 3002-335-025 | Roller Mounting Plate    | 1    |
| G    | 0052-017-000 | Plastic Washer           | 2    |

## Optional Bed Extender Assembly - 3001-318-020



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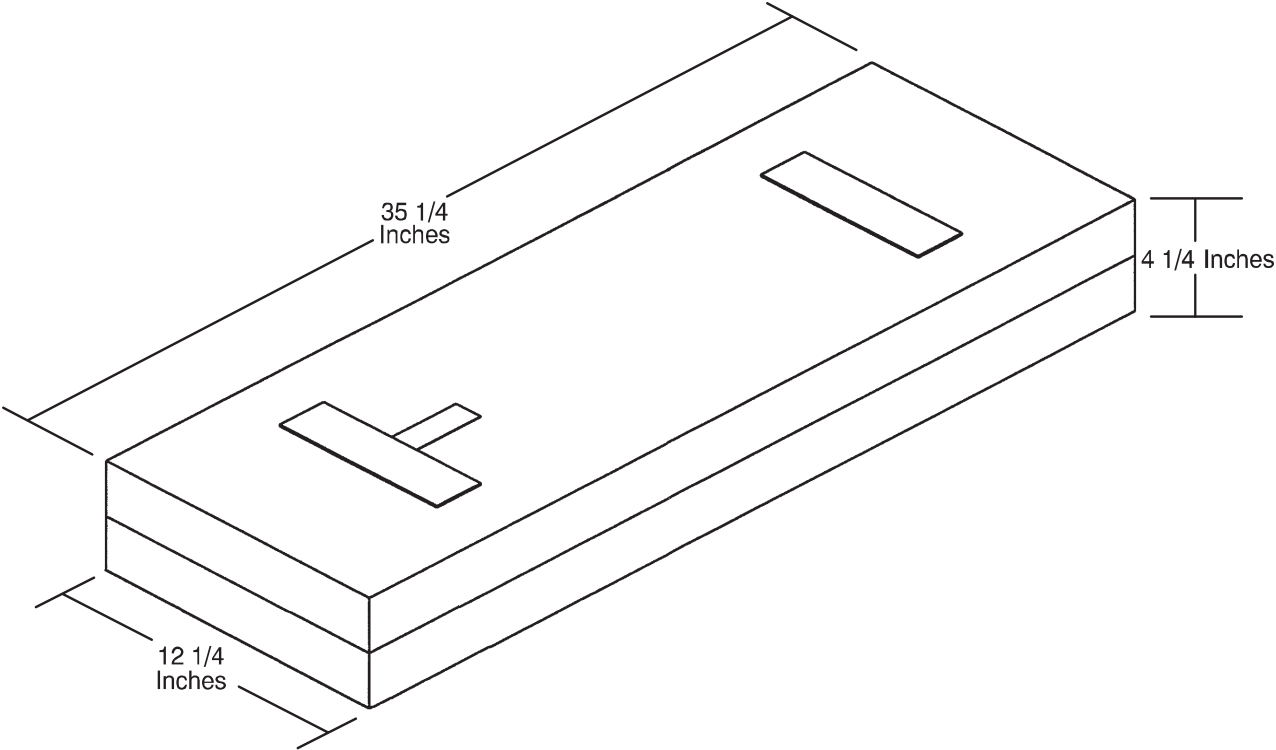
# Optional Bed Extender Assembly - 3001-318-020



| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 3001-318-050 | Bed Extender Weldment      | 1    |
| B    | 3001-318-031 | Connector Mounting Bracket | 1    |
| C    | 0007-052-000 | Truss Hd. Screw            | 4    |
| D    | 0013-010-000 | External Tooth Lock Washer | 2    |
| E    | 3001-200-228 | Mounting StandOff          | 2    |
| F    | 0050-039-000 | Pan Hd. Machine Screw      | 2    |
| G    | 3000-318-801 | Bed Extender Cable         | 1    |
| H    | 3000-300-114 | Cable Tie                  | 2    |
| J    | 3000-300-349 | Cap                        | 2    |
| K    | 7900-001-102 | Velcro Adhesive Pile       | 2    |
| L    | 0011-146-000 | Washer                     | 4    |

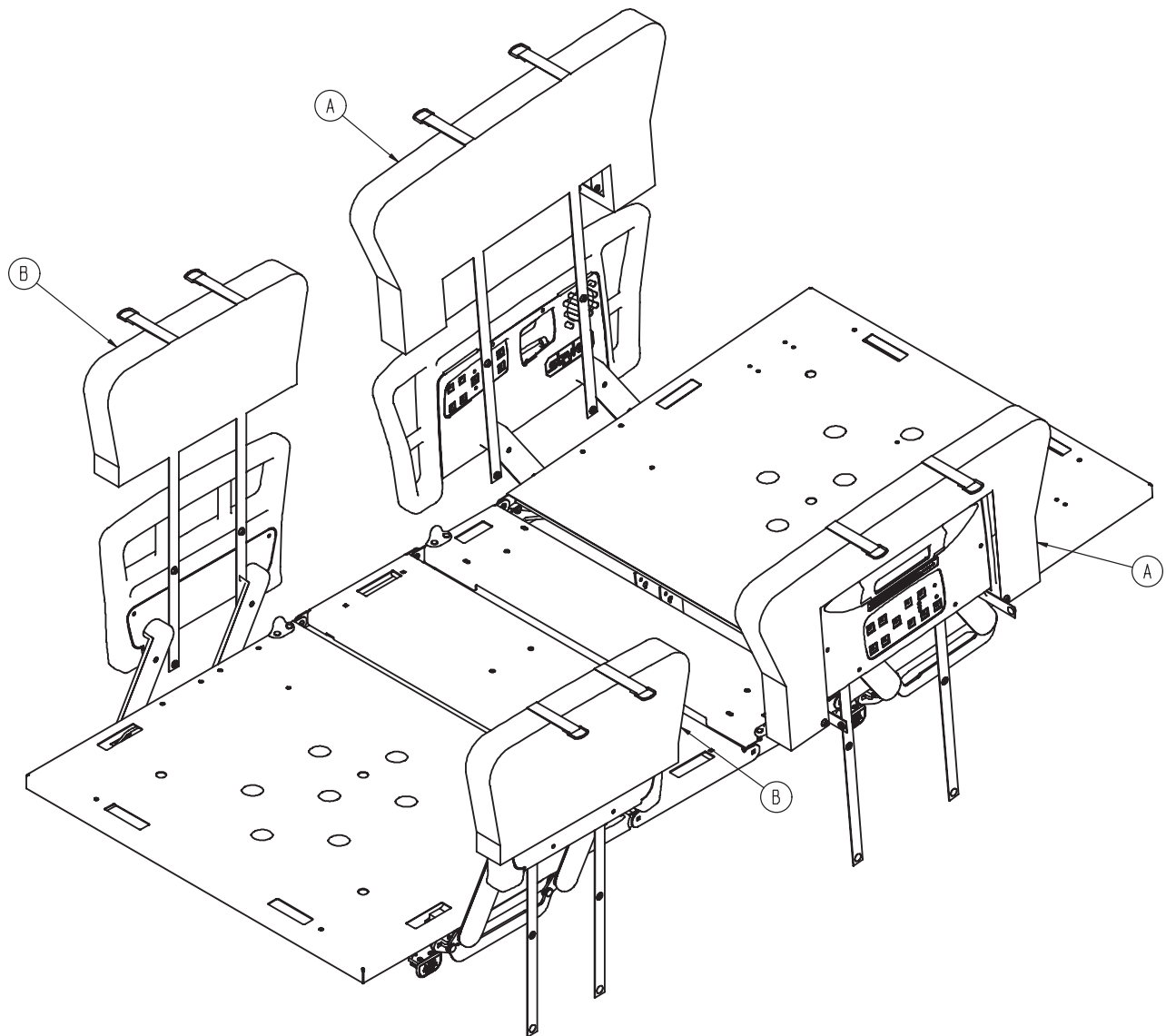
**Optional Bed Extender Mattress - 3000-318-050**

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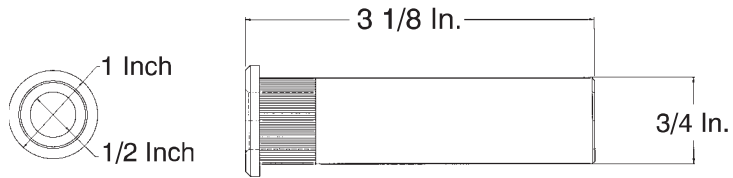
## Optional Padded Siderail Covers - 3003-336-020

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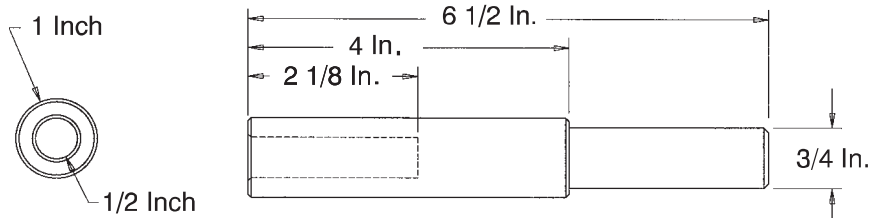


| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 3003-336-011 | Padded Cover, Head End  | 2    |
| B    | 3003-336-013 | Padded Covers, Foot End | 2    |

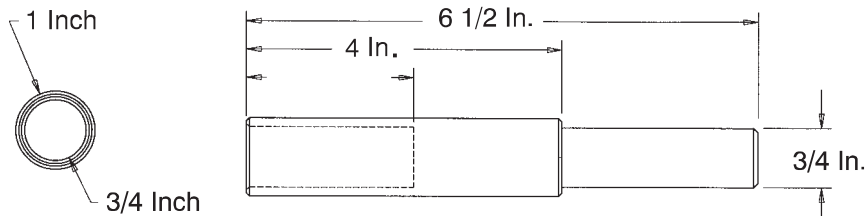
# Optional Traction Socket Extensions



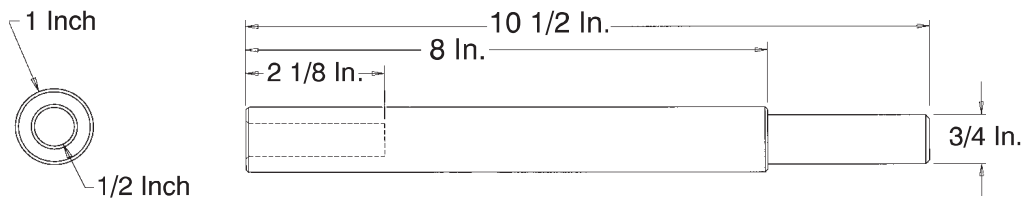
For Reference Only: 3000-337-050



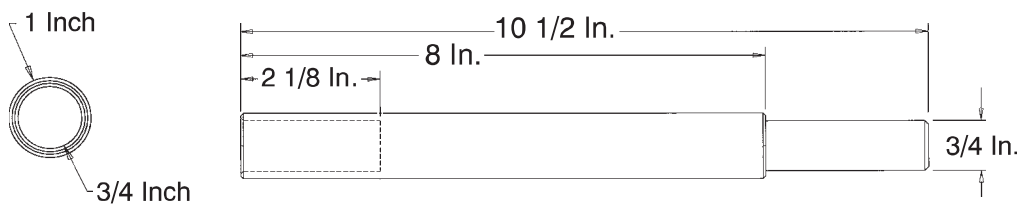
For Reference Only: 3000-337-450



For Reference Only: 3000-337-475



For Reference Only: 3000-337-850



For Reference Only: 3000-337-875

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# Warranty

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## LIMITED WARRANTY

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser the Secure II Med-Surg to be free from defects in material and workmanship for a period of one (1) years after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at its option, any product which is, in the sole discretion of Stryker, found to be defective. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to the factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgment affects the product materially and adversely shall void this warranty. Any repair of Stryker products using parts not provided or authorized by Stryker shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

Stryker Medical beds are designed for a 15 year expected service life under normal use, conditions, and with appropriate periodic maintenance as described in the maintenance manual for each device. Stryker warrants to the original purchaser that the welds on its beds will be free from structural defects for the expected 15 year life of the bed as long as the original purchaser owns the product.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. **Stryker Makes No Other Warranty Or Representation, Either Expressed Or Implied, Except As Set Forth Herein. There Is No Warranty Of Merchantability And There Are No Warranties Of Fitness For Any Particular Purpose. In No Event Shall Stryker Be Liable Here Under For Incidental Or Consequential Damages Arising From Or In Any Manner Related To Sales Or Use Of Any Such Equipment.**

## TO OBTAIN PARTS AND SERVICE

Stryker products are supported by a nationwide network of dedicated Stryker Field Service Representatives. These representatives are factory trained, available locally, and carry a substantial spare parts inventory to minimize repair time. Simply call your local representative, or call Stryker Customer Service USA at 1-800-327-0770, Canada 1-888-233-6888.

## SERVICE CONTRACT COVERAGE

Stryker has developed a comprehensive program of service contract options designed to keep your equipment operating at peak performance at the same time it eliminates unexpected costs. We recommend that these programs be activated before the expiration of the new product warranty to eliminate the potential of additional equipment upgrade charges.

### A SERVICE CONTRACT HELPS TO:

- Ensure equipment reliability
- Stabilize maintenance budgets
- Diminish downtime
- Establish documentation for JCAHO
- Increase product life
- Enhance trade-in value
- Address risk management and safety

# Warranty

## SERVICE CONTRACT PROGRAMS

Stryker Offers the following service contract programs:

| Service Agreement Options *                   | Gold | Silver | Parts | Labor | PM |
|---|------|--------|-------|-------|----|
| Annually scheduled preventative maintenance   | X    |        |       |       | X  |
| All parts                                     | X    | X      | X     |       |    |
| All labor and travel                          | X    | X      |       | X     |    |
| Unlimited emergency service calls             | X    | X      |       | X     |    |
| Priority one contact: two hour phone response | X    | X      | X     | X     |    |
| Most repairs completed within 3 days          | X    | X      |       | X     |    |
| JCAHO documentation                           | X    | X      |       | X     | X  |
| On-site record of PM & emergency service      | X    |        |       |       | X  |
| Factory-trained Stryker service technician    | X    | X      |       | X     | X  |
| Stryker authorized parts used                 | X    | X      | X     | X     | X  |
| Service during regular business hours (8-5)   | X    | X      | X     | X     | X  |

\* Does not include maintenance due to abuse or for any disposable items. Stryker reserves the right to change options without notice.

Stryker Medical also Offers personalized service contracts.  
Pricing is determined by age, location, model and condition of product.

**For more information on our service contracts,  
please call your local representative.**

## RETURN AUTHORIZATION

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items. **Special, Modified, Or Discont'd Items Not Subject To Return.**

## DAMAGED MERCHANDISE

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. **Do Not Accept Damaged Shipments Unless Such Damage Is Noted On The Delivery Receipt At The Time Of Receipt.** Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full. Claims for any short shipment must be made within thirty (30) days of invoice.

## INTERNATIONAL WARRANTY CLAUSE

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for additional information.

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UNITED STATES  
Stryker Medical  
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|    |     |
|----|-----|
| EC | REP |
|----|-----|

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