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**IMPORTANT**  
File in your  
maintenance  
records

**stryker<sup>®</sup>**  
**Medical**



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**Epic<sup>™</sup> II & Epic<sup>™</sup> II + Critical Care Bed**

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**Model 2030/2031**

## **MAINTENANCE MANUAL**

For Parts or Technical Assistance  
1-800-327-0770

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## INTRODUCTION

This manual is designed to assist you with the operation of the Stryker Model 2030 Epic II and Epic II + Critical Care Beds. Read it thoroughly before using the equipment.

## SPECIFICATIONS

|  |  |
|--|--|
| Maximum Weight Capacity                    | 500 pounds or 227 kilograms  |
| Weigh System Capacity (optional equipment) | patients weighing up to 500 pounds or<br>patients weighing up to 227 kilograms                           |
| Weigh System Accuracy (optional equipment) | ± 1% of total patient weight   |
| Overall Bed Length/Width                   | L-91" /W-42.5" or L-231 cm /W-108 cm   |
| Minimum/Maximum Bed Height (Standard)      | 18.25" to 32.5" – 46.5 cm. to 82.5 cm. (6" casters)<br>20.25" to 34.5" – 51.5 cm. to 88 cm. (8" casters) |
| Minimum/Maximum Bed Height (Enhanced)      | 19.9" to 34.5" – 50.5 cm. to 88 cm. (6" casters)<br>21.9" to 36.5" – 56 cm. to 93 cm. (8" casters)       |
| Fluoro Access                              | 17.5" (Epic II), 16" (Epic II+)  |
| Knee Gatch Angle                           | 0° to 30°  |
| Back Angle                                 | 0° to 90°  |
| Trendelenburg/Reverse Trendelenburg        | -14° to +14°   |
| Electrical Requirements                    | 115 VAC, 60 Hz, 7.0 Amps   |
| Battery Voltage (Optional)                 | 24 V, 31 Ah  |
| Noise Level                                | > 65 Decibels  |

Stryker reserves the right to change specifications without notice.

## WARNING / CAUTION / NOTE DEFINITION

The words WARNING, CAUTION and NOTE carry special meanings and should be carefully reviewed.



### WARNING

The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.



### CAUTION

These instructions point out special procedures or precautions that must be followed to avoid damaging the equipment.

### NOTE

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

## Warranty

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### Limited Warranty:

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser that its products should be free from defects in material and workmanship for a period of one (1) year 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. Stryker warrants to the original purchaser that the frame and welds on its beds will be free from structural defects for as long as the original purchaser owns the bed. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to Stryker's factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgement 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 stretchers are designed for a 10 year expected life under normal use conditions and appropriate periodic maintenance as described in the maintenance manual for each device.

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 HEREUNDER 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 at (800) 327-0770.

### 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

**Stryker offers the following service contract programs:**

| SPECIFICATIONS   | GOLD | SILVER | PM* ONLY |
|--|------|--------|----------|
| Annually scheduled preventative maintenance                              | X    |        | X        |
| All parts,** labor, and travel   | X    | X      |          |
| Unlimited emergency service calls  | X    | X      |          |
| Priority one contact; two hour phone response                            | X    | X      | X        |
| Most repairs will be completed within 3 business days                    | X    | X      |          |
| JCAHO documentation  | X    | X      | X        |
| On-site log book w/ preventative maintenance & emergency service records | X    |        |          |
| Factory-trained Stryker Service Technicians                              | X    | X      | X        |
| Stryker authorized parts   | X    | X      | X        |
| End of year summary  | X    |        |          |
| Stryker will perform all service during regular business hours (9–5)     | X    | X      | X        |

\* Replacement parts and labor for products under PM contract will be discounted.

\*\* Does not include any disposable items, I.V. poles (except for Stryker HD permanent poles), mattresses, or damage resulting from abuse.

**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, or call (800) 327-0770 (option #2).**

### 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 DISCONTINUED 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.

## Safety Tips and Guidelines

Before operating the 2030, 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.



### WARNING

- The 2030 is not intended for use with patients less than two years of age.
- Powered bed mechanisms can cause serious injury. Operate bed only when all persons are clear of the mechanisms.
- To help reduce the number and severity of falls by patients, always leave the bed in the lowest position when the patient is unattended.
- Leave the siderails fully up and locked when the patient is unattended. 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 the attending medical personnel to determine the degree of restraint necessary to ensure a patient will remain safely in bed.
- Always keep the caster brakes applied when a patient is on the bed (except during transport). Serious injury could result if the bed moves while a patient is getting in or out of bed. After the brake pedal is applied, push on the bed to ensure the brakes are locked. When moving the bed, toggle the steer pedal to put the bed in the steer mode. This locks the swivel motion of the right foot end caster and makes the bed easier to move.
- When large spills occur in the area of the circuit boards, 110 volt 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.
- Do not steam clean or hose off the bed. Do not immerse any part of the bed. The internal electric parts may be damaged by exposure to water. Hand wash all surfaces of the bed with warm water and mild detergent. Dry thoroughly. Quaternary Germicidal Disinfectants, used as directed, and/or Chlorine Bleach products, typically 5.25% Sodium Hypochlorite in dilutions ranging between 1 part bleach to 100 parts water, and 2 parts bleach to 100 parts water are **not** considered mild detergents. THESE PRODUCTS ARE CORROSIVE IN NATURE AND MAY CAUSE DAMAGE TO YOUR BED IF USED IMPROPERLY. If these types of products 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.  
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.)
- Preventative maintenance should be performed at a minimum of biannually 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 100 MA maximum, scale and bed exit systems calibrated properly.
- Always unplug bed during service or cleaning. When working under the bed with the bed in the high position, always place blocks under the litter frame and set the brakes to prevent injury in case the Bed Down switch is accidentally pressed.
- Explosion Hazard – do not use bed in the presence of flammable anesthetics.

## Safety Tips and Guidelines

### **WARNING**

If your bed is equipped with the Epic II+ Option:

- 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 transport frame, always place blocks under the litter frame to prevent injury in case the Litter Down switch is accidentally activated.
- The battery tray assembly weighs 50 pounds. Take care 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.**



### **WARNING**

Potential pinch points

## Set-Up Procedures

It is important that the 2030 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 2030 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 "Patient Station", "Head Wall", "Dock 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 and intermediate positions
- Ensure that all four casters lock when the brake pedal is engaged

### **NOTE**

Ensure that the "Brake Not Set" LEDs 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.
- Run through each function on both head end siderails to ensure that each is working properly.

If your bed is equipped with the Epic+ Option:

- 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.

If any problems are found during bed set-up, contact Stryker Customer Service at 800-327-0770.

### **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.

## Bed 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.

IPX4: Protection from liquid splash



Dangerous Voltage Symbol



Protective Earth Terminal

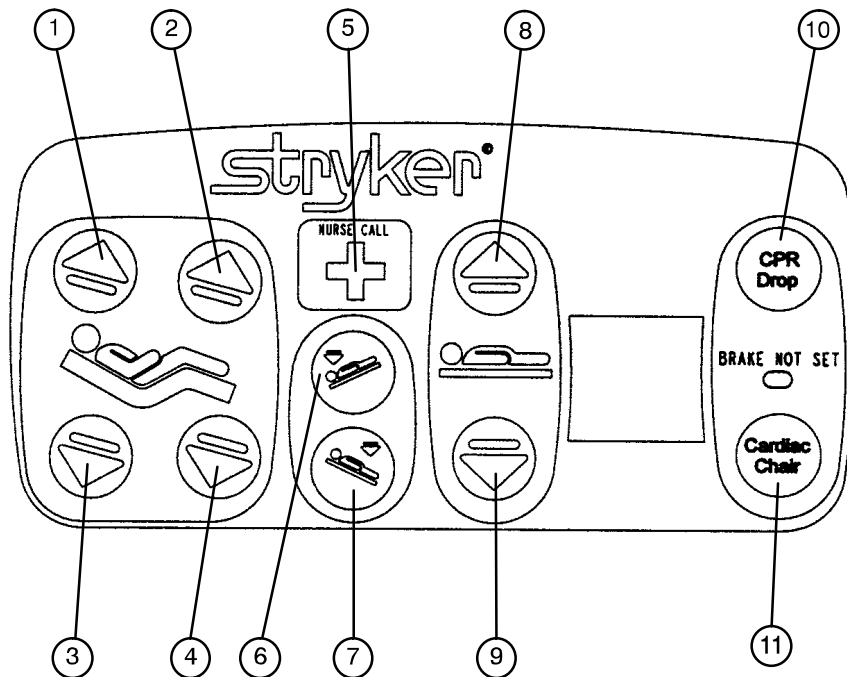


Potential Equalization Symbol



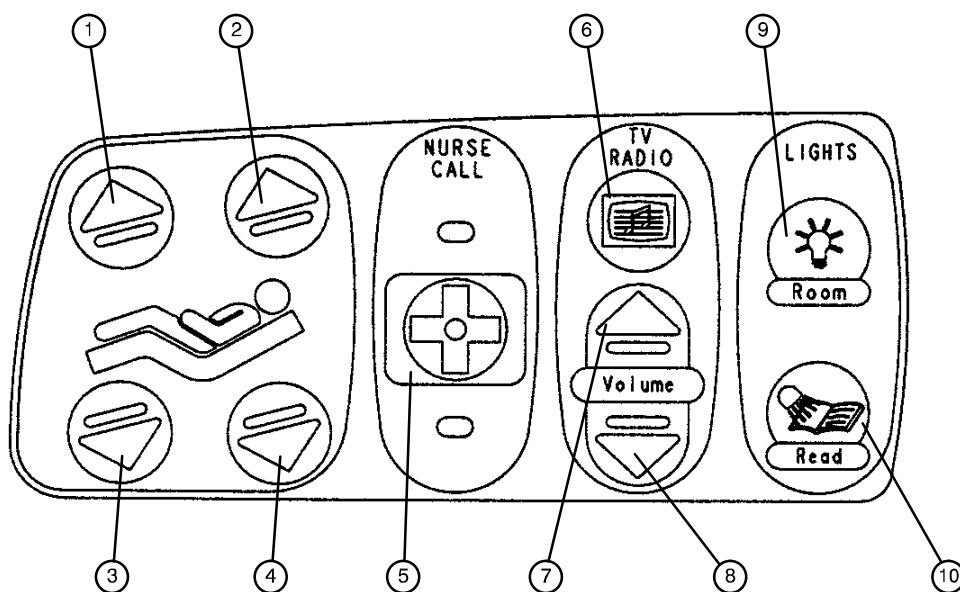
Medical Equipment Classified by Underwriters Laboratories Inc. with Respect to Electric Shock, Fire, Mechanical and Other Specified Hazards Only in Accordance with UL 2601-1 and CAN/CSA C22.2 No. 601.1

## Bed Symbols



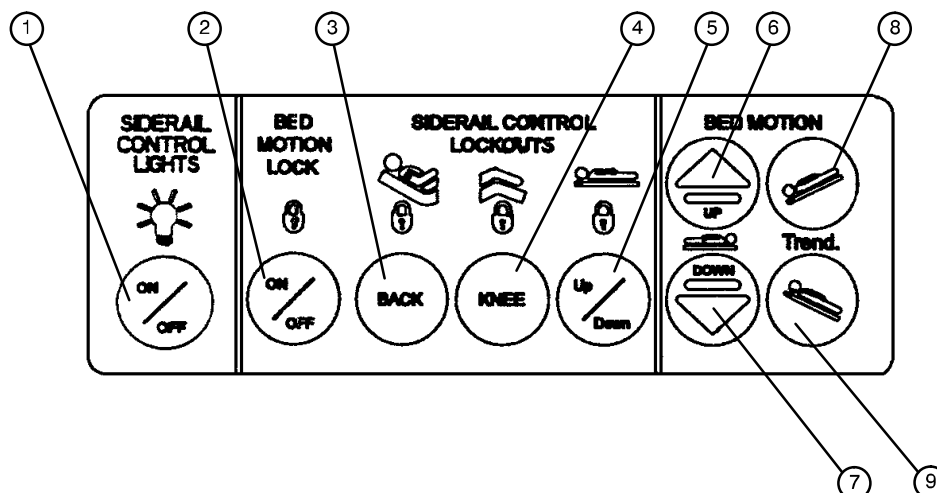
1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.
5. Press to activate nurse call.
6. Press to lower the head end of the bed (Trendelenburg).
7. Press to lower the foot end of the bed (Reverse Trendelenburg).
8. Press to raise the litter. If your bed is equipped with the enhanced height option, continue to hold the button an additional 5 seconds after the first stop. The litter will raise an additional 2 inches.
9. Press to lower the litter.
10. Press to activate emergency CPR positioning.
11. Press to activate emergency Cardiac Chair positioning.

## Bed Symbols

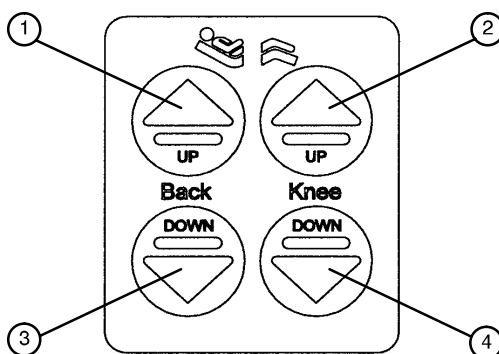


1. Press to raise knee section.
2. Press to raise back section.
3. Press to lower knee section.
4. Press to lower back section.
5. Press to activate the nurse call.
6. Press to turn on the TV or radio. Press again to change TV channels and to turn off the TV.
7. Press to increase the TV or radio volume.
8. Press to decrease the TV or radio volume.
9. Press to turn on the room lights. Press again to turn off.
10. Press to turn on the reading light. Press again to turn off.

## Bed Symbols

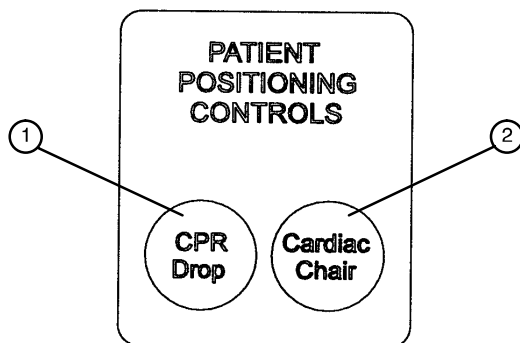


1. Press repeatedly for low, medium and high settings for the siderail control lights. Continue to press this switch to turn off the siderail control lights and the nurse call indicator light.
2. Press to lock out all bed motion controls on the siderails. Press again to unlock.
3. Press to lock out Back motion control on the siderails. Press again to unlock.
4. Press to lock out Knee motion control on the siderails. Press again to unlock.
5. Press to lock out bed up/down motion controls on the siderails. Press again to unlock.
6. Press to raise bed. If your bed is equipped with the enhanced height option, continue to hold the button an additional 5 seconds after the first stop. The litter will raise an additional 2 inches.
7. Press to lower bed.
8. Press to lower head end of bed (Trendelenburg).
9. Press to lower foot end of bed (Reverse Trendelenburg).

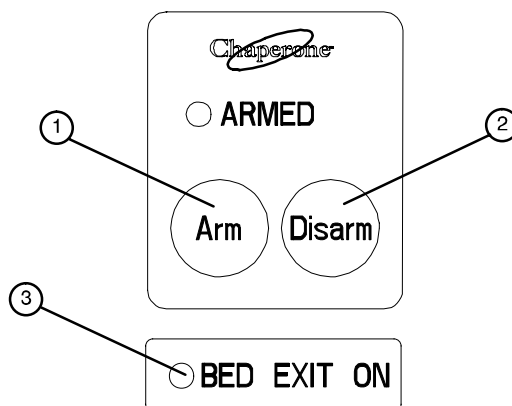


1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.

## Bed Symbols

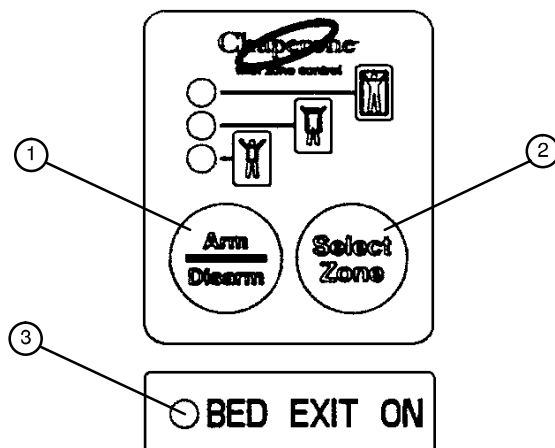


1. Press to activate the emergency CPR drop function. The bed will level from Trendelenburg/reverse Trendelenburg, the Fowler will lower to flat, the Knee will lower to flat and the litter will lower to full down.
2. Press to activate the Cardiac Chair function. The Knee will raise, the Fowler will raise or lower to approximately 52° and the bed will tilt to approximately -12° reverse Trendelenburg (foot end down) or -14° if the bed has the enhanced height option. Release the button to stop bed movement: hold the button until movement stops to complete the function.

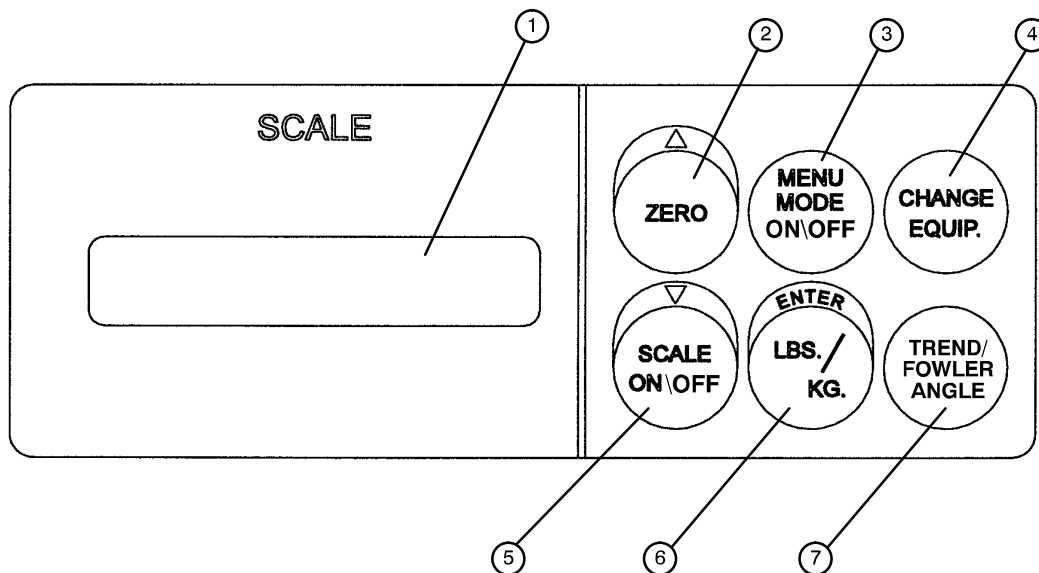


1. Push to activate Bed Exit function.
2. Push to deactivate Bed Exit function.
3. "BED EXIT ON" LED – will light when the BED EXIT function is armed.

## Bed Symbols

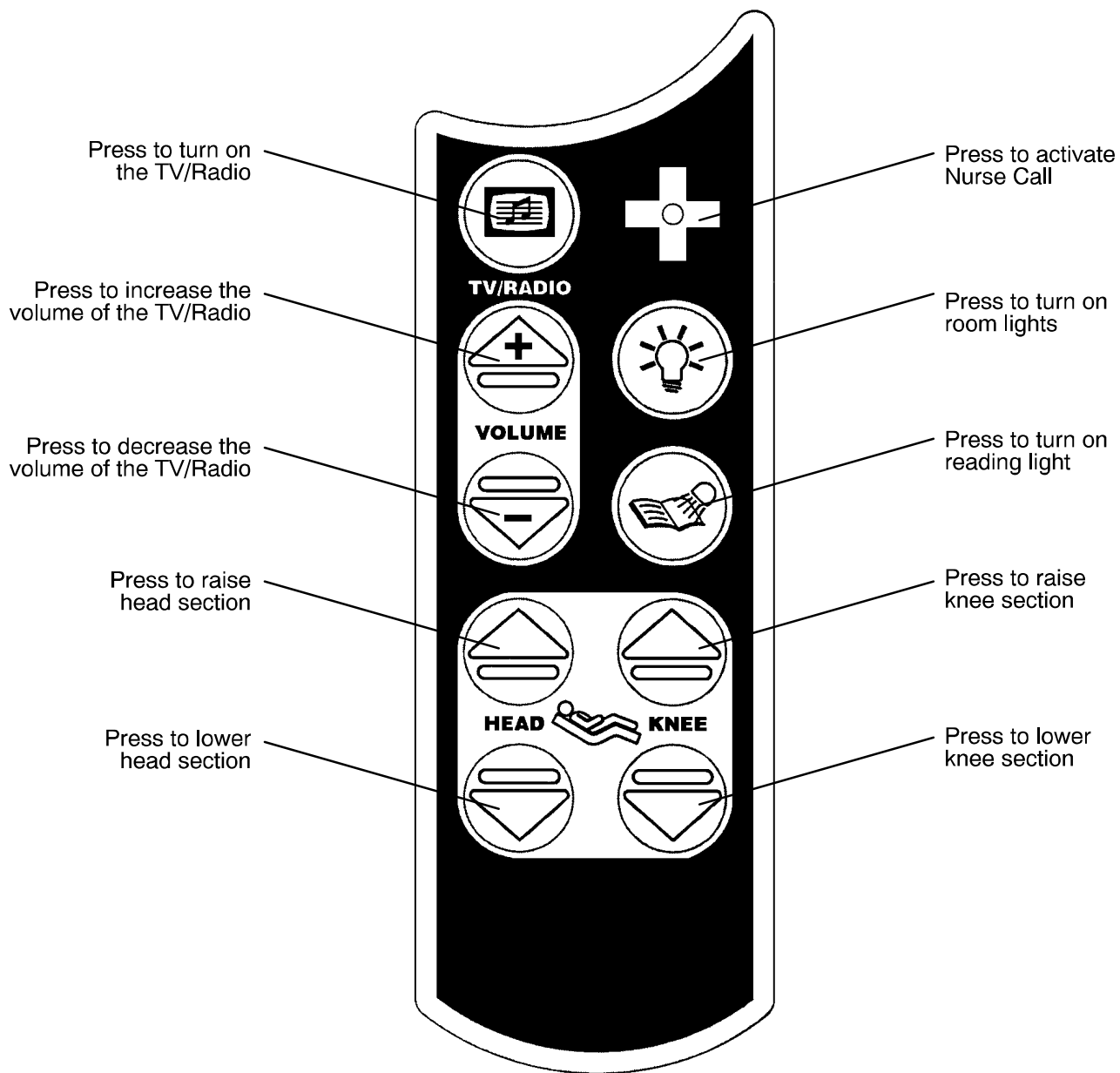


1. Press to arm or disarm the Bed Exit function.
2. Press to select the zone desired for Bed Exit function.
3. "BED EXIT ON" LED – will light when the BED EXIT function is armed.



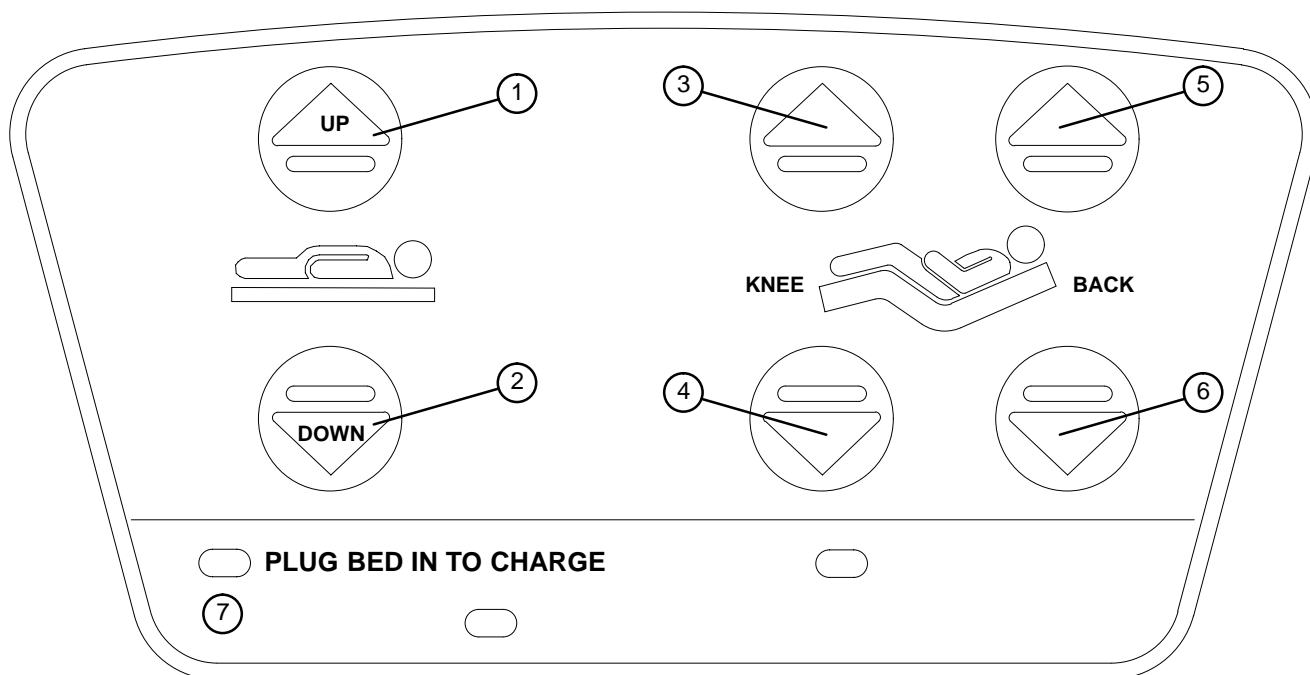
1. LCD – displays patient weight. Trendelenburg angle is displayed when the scale is not active.
2. Press to zero bed. Also press to scroll while Menu Mode is active.
3. Press to enter and exit the Menu Mode.
4. Press when adding or removing equipment to the bed.
5. Press to turn weigh system on and off. Also press to scroll while Menu Mode is active.
6. Press to change weight from pounds to kilograms or back. Also press while using the Menu Mode.
7. Press to display the Trendelenburg or Fowler angle of the bed.

## Bed Symbols



## Bed Symbols

### OPTIONAL EPIC II+ CONTROL PANEL



1. Press and hold to raise the litter. If your bed is equipped with the enhanced height option, continue to hold the button an additional 5 seconds after the first stop. The litter will raise an additional 2 inches.
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 "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.

### GENERAL INFORMATION

This section contains cleaning instructions and a checklist to assist with the routine preventive maintenance and cleaning of your equipment.

In the text, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

### PREVENTIVE MAINTENANCE CONTENTS

|  |     |
|--|-----|
| Cleaning .....                         | 2-2 |
| Preventive Maintenance Checklist ..... | 2-3 |
| General Information .....              | 2-4 |

## Cleaning

Hand wash all surfaces of the bed with warm water and mild detergent. Dry thoroughly. **DO NOT STEAM CLEAN, PRESSURE WASH, HOSE OFF OR ULTRASONICALLY CLEAN.** Using these methods of cleaning is **not** recommended and may void this product's warranty.

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.)

In general, when used in those concentrations recommended by the manufacturer, either phenolic type or quaternary type disinfectants can be used with Staph–Chek fabrics. Iodophor type disinfectants are not recommended for use on Staph–Chek fabrics because staining may result. The following products have been tested by the Herculite Laboratory and have been found not to have a harmful effect on Staph–Chek fabrics **WHEN USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED DILUTION.\***

| TRADE NAME                | DISINFECTANT TYPE | MANUFACTURER                             | *MANUFACTURER'S RECOMMENDED DILUTION |
|---------------------------|-------------------|--|--------------------------------------|
| A33                       | Quaternary        | Airwick (Professional Products Division) | 2 ounces/gallon                      |
| A33 (dry)                 | Quaternary        | Airwick (Professional Products Division) | 1/2 ounce/gallon                     |
| Beaucoup                  | Phenolic          | Huntington Laboratories                  | 1 ounce/gallon                       |
| Blue Chip                 | Quaternary        | S.C. Johnson                             | 2 ounces/gallon                      |
| Elimstaph                 | Quaternary        | Walter G. Legge                          | 1 ounce/gallon                       |
| Franklin Phenomysan F2500 | Phenolic          | Purex Corporation                        | 1 1/4 ounce/gallon                   |
| Franklin Sentinel         | Quaternary        | Purex Corporation                        | 2 ounces/gallon                      |
| Galahad                   | Phenolic          | Puritan Churchill Chemical Company       | 1 ounce/gallon                       |
| Hi–Tor                    | Quaternary        | Huntington Laboratories                  | 1/2 ounce/gallon                     |
| LPH                       | Phenolic          | Vestal Laboratories                      | 1/2 ounce/gallon                     |
| Matar                     | Phenolic          | Huntington Laboratories                  | 1/2 ounce/gallon                     |
| Omega                     | Quaternary        | Airwick (Professional Products Division) | 1/2 ounce/gallon                     |
| Quanto                    | Quaternary        | Huntington Laboratories                  | 1 ounce/gallon                       |
| Sanikleen                 | Quaternary        | West Chemical Products                   | 2 ounces/ gallon                     |
| Sanimaster II             | Quaternary        | Service Master                           | 1 ounce/gallon                       |
| Vesphene                  | Phenolic          | Vestal Laboratories                      | 1 1/4 ounce/ gallon                  |

Quaternary Germicidal Disinfectants, used as directed, and/or Chlorine Bleach products, typically 5.25% Sodium Hypochlorite in dilutions ranging between 1 part bleach to 100 parts water, and 2 parts bleach to 100 parts water are not considered mild detergents. These products are corrosive in nature and may cause damage to your bed if used improperly. If these types of products are used to clean Stryker patient handling equipment, measures must be taken to insure the beds are rinsed 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.

### REMOVAL OF IODINE COMPOUNDS

This solution may be used to remove iodine stains from mattress cover and foam footrest pad surfaces.

1. Use a solution of 1–2 tablespoons Sodium Thiosulfate in a pint of warm water to clean the stained area. Clean as soon as possible after staining occurs. If stains are not immediately removed, allow solution to soak or stand on the surface.
2. Rinse surfaces which have been exposed to the solution in clear water before returning bed to service.

## Preventive Maintenance Checklist

- \_\_\_\_\_ All fasteners secure
- \_\_\_\_\_ Engage brake pedal and push on the bed to ensure all casters lock securely
- \_\_\_\_\_ Optional locking steer caster engages and disengages properly
- \_\_\_\_\_ Siderails move, latch and stow properly
- \_\_\_\_\_ All functions on siderails working properly (including LED's)
- \_\_\_\_\_ Head End Control Panel working properly (including LED) – optional equipment
- \_\_\_\_\_ Confirm battery powered functionality – optional equipment
- \_\_\_\_\_ CPR release working properly
- \_\_\_\_\_ Foot prop intact and working properly
- \_\_\_\_\_ I.V. pole working properly
- \_\_\_\_\_ Optional Foley bag hooks intact
- \_\_\_\_\_ Optional chart rack intact and working properly
- \_\_\_\_\_ Optional CPR board not cracked or damaged and stores properly
- \_\_\_\_\_ No cracks or splits in head and foot boards
- \_\_\_\_\_ All functions on footboard working properly (including LED's)
- \_\_\_\_\_ No rips or cracks in mattress cover
- \_\_\_\_\_ 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 100 microamps

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Completed By: \_\_\_\_\_ Date: \_\_\_\_\_

### NOTE

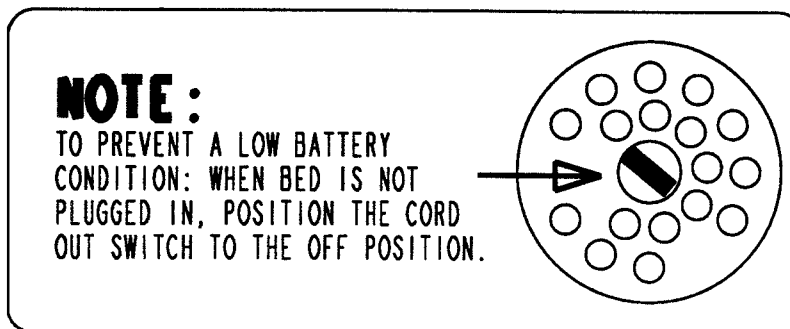
Preventative maintenance should be performed at a minimum of annually. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

## General Information

### NOTE

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 back-up 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.



### BATTERY CHARGER CIRCUIT BREAKER (EPIC II+ OPTION)

If the battery charger circuit breaker(s) located under the litter on the patient's head end, left side are tripped, refer to the troubleshooting section of the maintenance manual.

### GENERAL INFORMATION

This section contains troubleshooting charts to assist with the diagnosis of a problem with your equipment. In the text, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

### TROUBLESHOOTING CONTENTS

|  |     |
|--|-----|
| Troubleshooting Guide .....                                  | 3-2 |
| Optional Epic II+ Battery Backup Troubleshooting Guide ..... | 3-3 |

## Troubleshooting Guide

### DEFINITIONS:

DMM = Digital Multi-Meter

PCB = Printed Circuit Board

CPU = Central Processing Unit

### NOTE

See page 4–2 through page 4–7 for an outline of bed PCB's and voltage test points.

| PROBLEM/FAILURE        | RECOMMENDED ACTION   |
|------------------------|--|
| No power to bed        | <p><b>A.</b> Check circuit breaker on bed.</p> <p><b>B.</b> Check for 120 VAC power at J1 on power supply. See page 4–4 for power supply voltage test points.</p> <p><b>C.</b> Check for DC voltages on J2 (Pins 1,2,3 &amp; 6) on power supply. See page 4–4 for power supply voltage test points.</p>  |
| No bed down motion.    | <p><b>A.</b> Enter diagnostics, (see page 7–2) and press bed down. If motion is present, re-burn lift potentiometers. Monitor Pin 3 and Pin 2 of HDR7 and HDR12 on the CPU PCB using DMM. Verify voltage changes on Pin 3 with changes in lift motion. See page 7–8 for voltage parameters for low and high limits.</p> <p><b>B.</b> If no down motion in diagnostic, check for 120 VAC power on HDR33 and HDR34, Pin 1 and Pin 3, of the CPU.</p> <p><b>C.</b> Check for 1.1–1.5 VDC signal on O6 and O8 Pin 1 and HDR2 Pin 5 of the CPU PCB.</p> <p><b>D.</b> Check for motion interrupt jumper on HDR3.</p> |
| No bed up motion.      | <p><b>A.</b> Check 120 VAC power on HDR33 and HDR34, Pin 1 and Pin 6, of the CPU board.</p> <p><b>B.</b> Check for 1.1–1.5 VDC signal on O5 and O7 Pin 1 and HDR2 Pin 5 of the CPU PCB.</p>  |
| No Gatch down motion.  | <p><b>A.</b> Check for 120 VAC power on HDR30 Pin 1 and Pin 3 of the CPU board.</p> <p><b>B.</b> Check for 1.1–1.5 VDC signal on O3 Pin 1 and HDR2 Pin 5 of the CPU PCB.</p>   |
| No Gatch up motion.    | <p><b>A.</b> Check for 120 VAC on HDR30, Pin 1 and Pin 2 of the CPU board.</p> <p><b>B.</b> Check for 1.1–1.5 VDC on O1 Pin 1 and HDR2 Pin 5 of the CPU PCB.</p>   |
| No Fowler down motion. | <p><b>A.</b> Check for 120 VAC power on HDR29 Pin 3 and Pin 1 of the CPU board.</p> <p><b>B.</b> Check for 1.1–1.5 VDC signal on O4 Pin 1 and HDR2 Pin 5 of the CPU PCB.</p>   |
| No Fowler up motion.   | <p><b>A.</b> Check for 120 VAC on HDR29, Pin 1 and Pin 3 of the power supply.</p> <p><b>B.</b> Check for 1.1–1.5 VDC on O2 Pin 1 and HDR2 Pin 5 of the CPU PCB.</p>  |

## Optional Epic II+ Battery Backup Troubleshooting Guide

This section of the troubleshooting guide includes 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.   | <b>A.</b> Check the fuse (F1) on the power board (see page 4–4) – replace if necessary (p/n 59–730).<br><b>B.</b> Check battery + to battery – on the power board for greater than 22VDC.<br><b>C.</b> Verify the battery voltage is greater than 22 VDC.<br><b>D.</b> Check the battery fuse – replace if necessary (p/n 2040–1–802).<br><b>E.</b> Check the cable connections from the batteries to the display board.<br><b>F.</b> Check the ON/OFF switch and cabling. |
| ON/OFF switch is in the on position, the power LED is on, and the bed does not function.    | Display board is not functioning or is locking out all functions.   | <b>A.</b> Check the safety switches on the drive bar.<br><b>B.</b> Verify the battery voltage is greater than 22 VDC.<br><b>C.</b> Verify the display board is functioning.<br><b>D.</b> Check all cable connections on the display and power boards.  |
| ON/OFF switch is in the on position, the power LED is on, and the bed does not function.    | The thermostat on the inverter/charger board has tripped, indicating a temperature above 110° C (230° F). | <b>A.</b> Wait approximately 3–5 minutes to allow the inverter/changer board to cool down. The power LED will light again.   |
| The bed power cord is plugged in but the battery does not charge.                           | The battery charger is not functioning.   | <b>A.</b> Check the circuit breakers on the litter.<br><b>B.</b> Check the battery charger.<br><b>C.</b> Check all cable connections on the charger.   |

## Notes

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**GENERAL INFORMATION**

This section contains circuit board layouts and other information on the electrical system of the bed.

**ELECTRICAL SYSTEM INFORMATION CONTENTS**

CPU Board ..... 4-2, 4-3

Power Supply ..... 4-4

Optional Smart TV Circuit Board ..... 4-5

Optional Epic II+ Display/CPU Board ..... 4-6

Optional Epic II+ AC Crossover Board ..... 4-7

Optional Bed Exit Board ..... 4-8

Optional Bed Communications Tester ..... 4-9

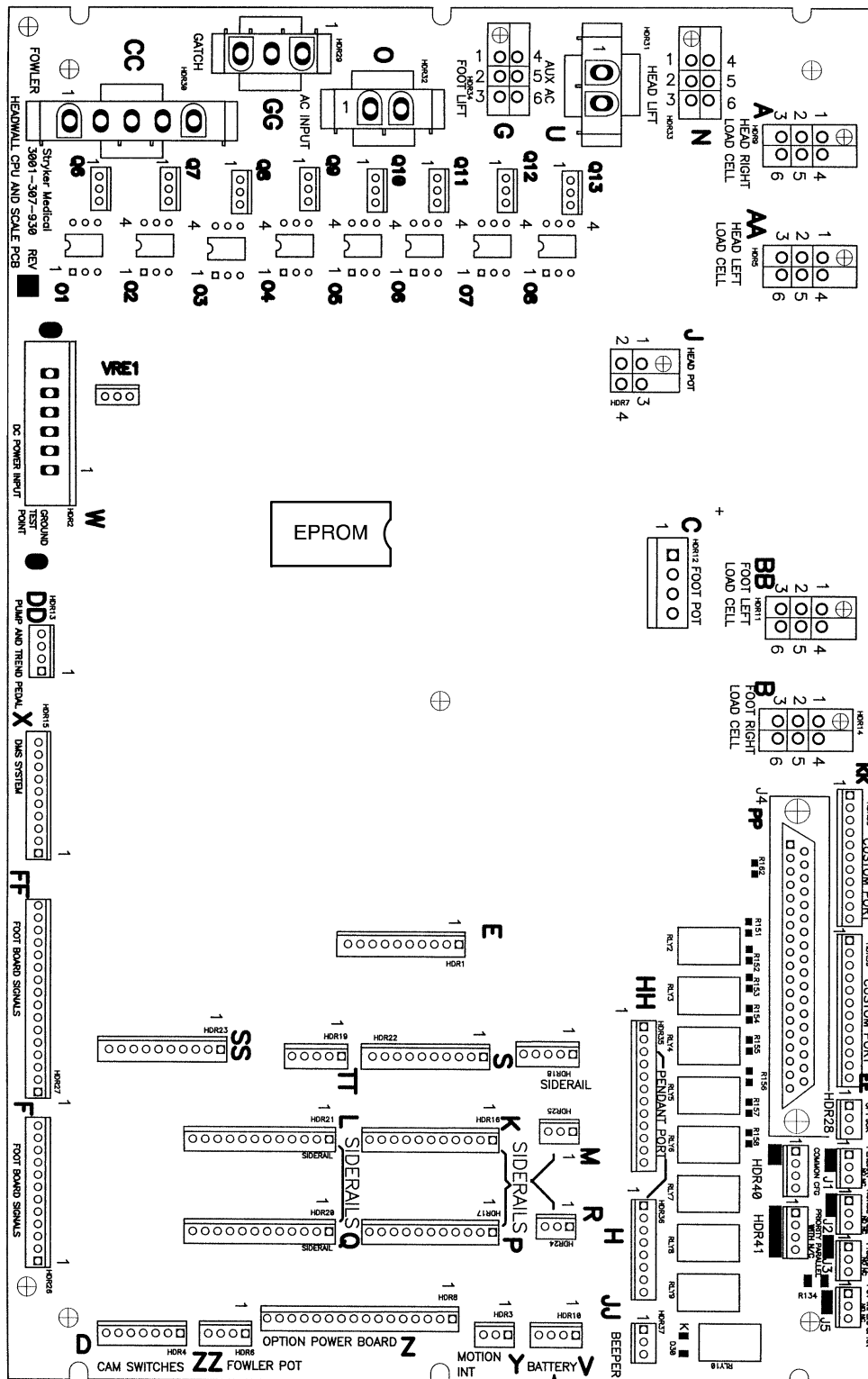
Head Wall Output Configuration ..... 4-10

Optional Inverter Protection Features and Voltage Points ..... 4-11

## CPU Board

**EPIC II CPU (BED EXIT/SCALE) – 2030-700-13**  
**(ZONE BED EXIT/SCALE) – 2030-700-14**

**EPIC II+ CPU (BED EXIT/SCALE) – 2040-700-11**  
**(ZONE BED EXIT/SCALE) – 2040-700-12**



59-137  
Shunt for  
No Nurse Call

## CPU Board (Continued)

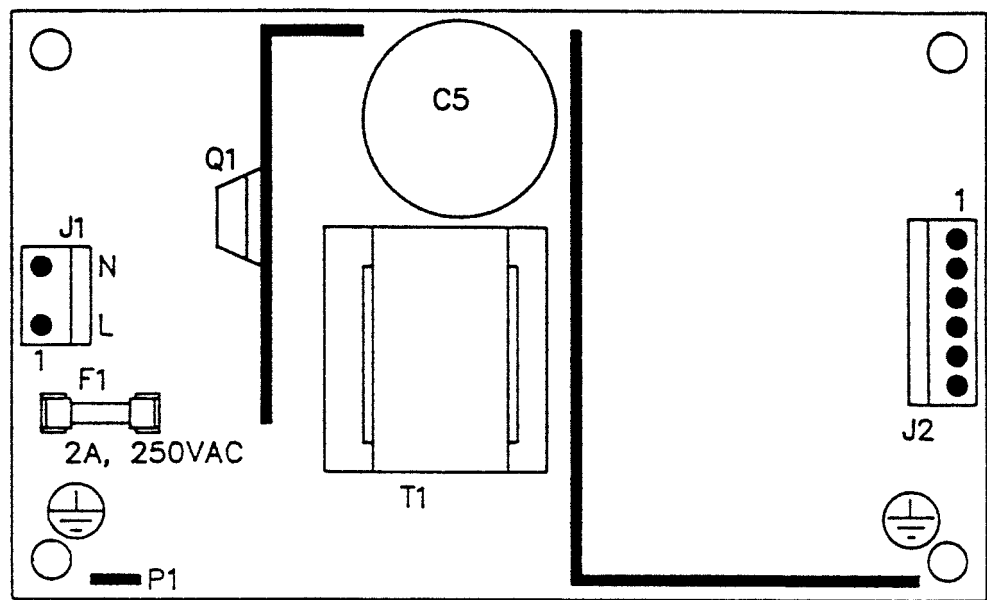
**EPIC II CPU (BED EXIT/SCALE) – 2030–700–13**  
**(ZONE BED EXIT/SCALE) – 2030–700–14**

**EPIC II+ CPU (BED EXIT/SCALE) – 2040–700–11**  
**(ZONE BED EXIT/SCALE) – 2040–700–12**

| CONNECTOR LOCATION | CABLE LOCATION | VOLTAGE                                  | POSITIVE LEAD         | NEGATIVE LEAD | DESCRIPTION                      |
|--------------------|----------------|--|-----------------------|---------------|----------------------------------|
| HDR 2              | W              | +12 VDC                                  | Pin 1                 | Pin 4 or 5    | Relays & Siderails Light Voltage |
| HDR 2              | W              | +5 VDC                                   | Pin 2 & 3             | Pin 4 or 5    | +5 VDC from Power Supply         |
| HDR 2              | W              | –12 VDC                                  | Pin 6                 | Pin 4 or 5    | Relays & Siderails Light Voltage |
| HDR 6              | ZZ             | +5 VDC                                   | Pin 1                 | Pin 4         | +5 VDC for Fowler Pot            |
| HDR 6              | ZZ             | 0 – 5 VDC                                | Pin 3                 | Pin 4         | Fowler Pot Wiper                 |
| HDR 7              | J              | 0 – 5 VDC                                | Pin 3                 | Pin 2         | Head Lift Pot Wiper              |
| HDR 7              | J              | +5 VDC                                   | Pin 4                 | Pin 2         | +5 VDC for Head Lift Pot         |
| HDR 12             | C              | +5 VDC                                   | Pin 1                 | Pin 2         | +5 VDC for Foot Lift Pot         |
| HDR 12             | C              | 0 – 5 VDC                                | Pin 3                 | Pin 2         | Foot Lift Pot Wiper              |
| HDR 29             | CC             | 0 VAC w/o Switch<br>110 VAC w/Switch     | Neutral Pin 1         | Pin 2         | Gatch Up                         |
| HDR 29             | CC             | 0 VAC w/o Switch<br>110 VAC w/Switch     | Neutral Pin 1         | Pin 3         | Gatch Down                       |
| HDR 30             | GG             | 0 VAC w/o Switch<br>160 VAC w/<br>Switch | Neutral Pin 3         | Pin 1         | Fowler Up                        |
| HDR 30             | GG             | 0 VAC w/o Switch<br>120 VAC w/<br>Switch | Neutral Pin 3         | Pin 2         | Fowler Down                      |
| HDR 32             | O              | 110 VAC                                  | Pin 1                 | Pin 2         | Line Voltage to Bed              |
| HDR 33             | N              | 0 VAC w/o Switch<br>120 VAC w/<br>Switch | Neutral Pin 1<br>or 4 | Pin 3         | Head Lift Down                   |
| HDR 33             | N              | 0 VAC w/o Switch<br>120 VAC w/<br>Switch | Neutral Pin 1<br>or 4 | Pin 6         | Head Lift Up                     |
| HDR 34             | G              | 0 VAC w/o Switch<br>120 VAC w/<br>Switch | Neutral Pin 1<br>or 4 | Pin 3         | Foot Lift Down                   |
| HDR 34             | G              | 0 VAC w/o Switch<br>120 VAC w/<br>Switch | Neutral Pin 1<br>or 4 | Pin 6         | Foot Lift Up                     |

Power Supply

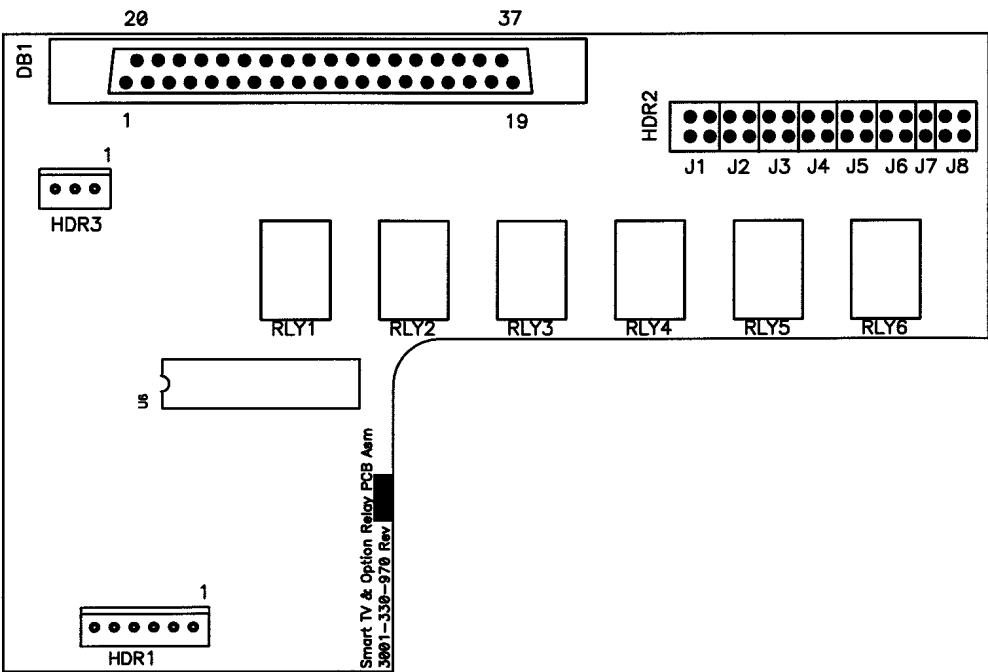
POWER SUPPLY – P/N 59-157



| CONNECTOR LOCATION | VOLTAGE | POSITIVE LEAD | NEGATIVE LEAD |
|--------------------|---------|---------------|---------------|
| J1                 | 110V    | Pin 1         | Pin 2         |
| J2                 | 12V     | Pin 1         | Pin 4 or 5    |
| J2                 | 5V      | Pin 2         | Pin 4 or 5    |
| J2                 | 5V      | Pin 3         | Pin 4 or 5    |
| J2                 | GND     | Pin 4         | Pin 4 or 5    |
| J2                 | GND     | Pin 5         | Pin 4 or 5    |
| J2                 | -12V    | Pin 6         | Pin 4 or 5    |

# Smart TV Circuit Board

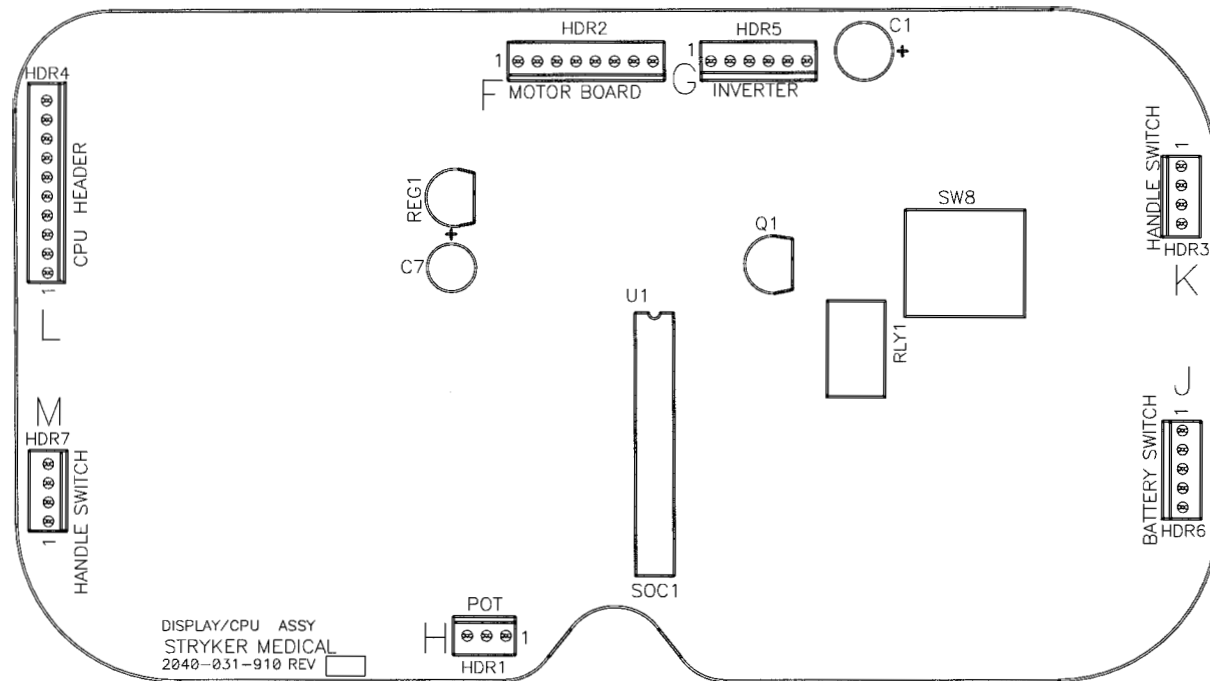
## OPTIONAL SMART TV CIRCUIT BOARD – P/N 3001–330–970



| CONNECTOR LOCATION | VOLTAGE         | POSITIVE LEAD | NEGATIVE LEAD | DESCRIPTION  |
|--------------------|-----------------|---------------|---------------|--|
| HDR 1              | 5 VDC           | Pin 2         | Pin 1         | Regulated 5 VDC Power to the board   |
| HDR 1              | Digital Control | Pin 3–5       | Pin 1         | Serial control lines   |
| HDR 1              | 5 VDC           | Pin 6         | Pin 1         | 5 VDC for option relay   |
| HDR 3              | +5 or +12 VDC   | 2             | Pin 1         | Power/control line from the TV<br>Note: This header provides TV control to a non–Stryker pendant                       |
| DB1                | +5 or +12 VDC   | Pin 34        | Pin 33        | Power/Control line from the TV<br>Note: If this polarity is reversed, place the shunts of J8 in the alternate position |

## Optional Epic+ Display/CPU Diagram

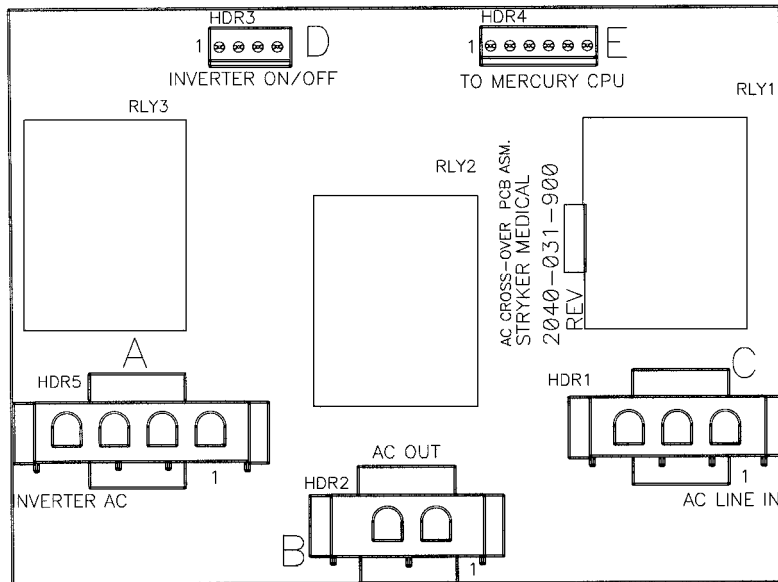
### OPTIONAL EPIC II+ DISPLAY/CPU – P/N 2030-31-910



| CONNECTOR LOCATION | VOLTAGE                      | POSITIVE LEAD | NEGATIVE LEAD | DESCRIPTION                                |
|--------------------|------------------------------|---------------|---------------|--|
| HDR 4 (L)          | Battery voltage around 24VDC | Pin 3         | Pin 1         | Battery Voltage into the Display/CPU Board |
| HDR 1 (H)          | 0-5VDC                       | Pin 2         | Pin 1         | Control Pot Wiper Voltage                  |
| HDR 6 (J)          | Battery voltage around 24VDC | Pin 1         | Pin 5         | Battery Voltage Return from On/Off Switch  |

## Optional Epic+ AC Crossover Board Diagram

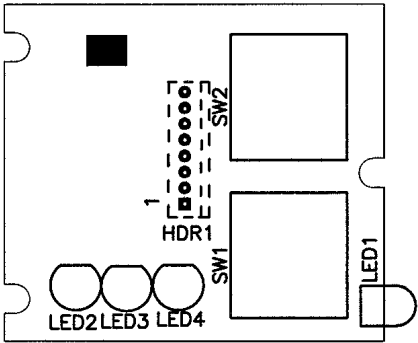
### OPTIONAL EPIC II+ AC CROSSOVER BOARD – P/N 2040-31-900



| 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                        |
| HDR 3 (D)          | Continuity | Pin 3         | Pin 1         | Relay Contacts. Closed when Power Cord is Unplugged. Turns on the Inverter |

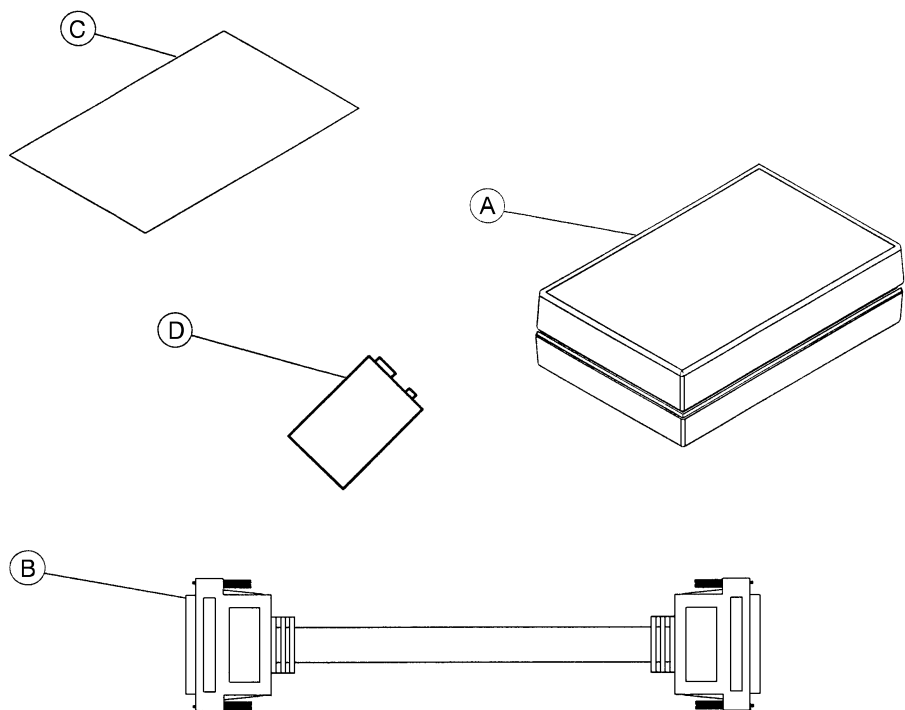
# Optional Bed Exit Circuit Board

OPTIONAL BED EXIT BOARD – PART NUMBER 3002-508-900



| CONNECTOR LOCATION | NEGATIVE LEAD               | POSITIVE LEAD | VOLTAGE | DESCRIPTION        |
|--------------------|-----------------------------|---------------|---------|--------------------|
| HDR 1              | Main Keypad<br>HDR 2, Pin 3 | Pin 8         | 5 VDC   | LED Supply Voltage |

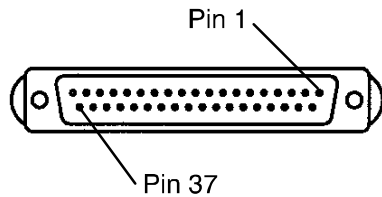
3001–303–165 Optional Bed Communications Tester



| Item | Part No.     | Part Name    | Qty. |
|------|--------------|--------------|------|
| A    | 3001–303–160 | BCT Unit     | 1    |
| B    | 3001–303–825 | 37–Pin Cable | 1    |
| C    | 3001–303–162 | Instructions | 1    |
| D    | 3000–303–871 | 9V Battery   | 1    |

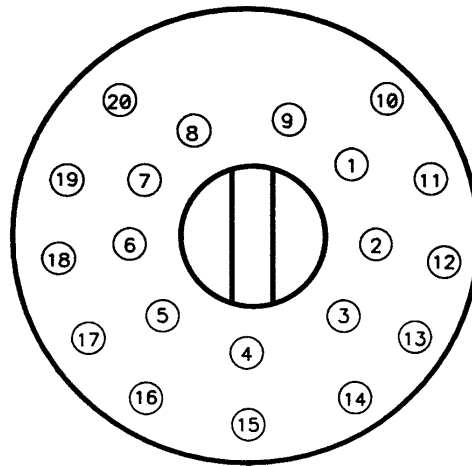
## Head Wall Output Configuration

### 37-PIN CONNECTOR



|        |                        |
|--------|------------------------|
| Pin 1  | Option 2 Common        |
| Pin 2  | Read Light             |
| Pin 3  | Room Light             |
| Pin 4  | Speaker High           |
| Pin 5  | Pot 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 | Pot Low Common         |
| Pin 15 | Pot High Common        |
| 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 –                   |
| Pin 34 | TV +                   |
| 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                              |

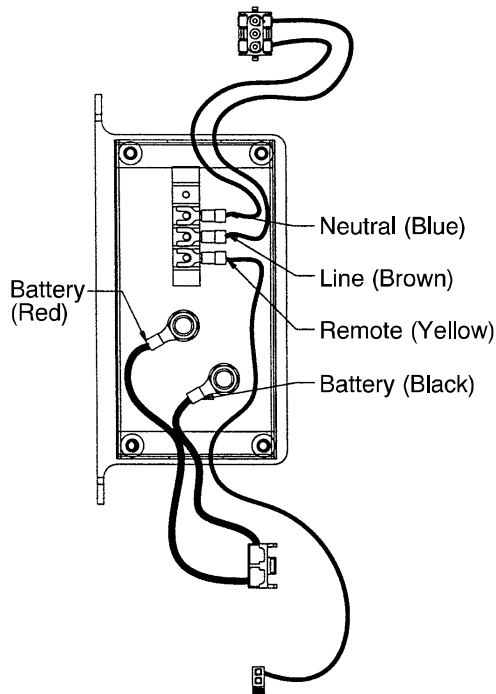
## Optional Inverter Protection Features and Voltage Points

The optional Epic+ inverter has several features to prevent internal damage:

1. **Low Battery Voltage** – If the battery voltage at the inverter drops below the low voltage cut-off, an alarm will sound and the inverter will shut off. When battery voltage increases to 95% of nominal battery voltage, the inverter will restart.
2. **High Battery Voltage** – If the battery voltage input rises above the high voltage cut-off, the inverter will shut off. When the battery voltage input drops back within the normal voltage range, the inverter will restart.
3. **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.
4. **Over-Power** – The inverter will source up to its maximum power rating. If the load requires more, the output voltage will be lowered to supply no more than its maximum power so the maximum power from the inverter is reduced to a safe amount.

### **WARNING**

The optional 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.



| VOLTAGE              | POSITIVE LEAD | NEGATIVE LEAD |
|----------------------|---------------|---------------|
| Approximately 24VDC  | Battery Red   | Battery Black |
| Approximately 120VAC | Line Brown    | Neutral Blue  |

## Notes

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**ELECTRICAL COMPONENTS**

|  |              |
|--|--------------|
| AC CROSSOVER BOARD (EPIC II+ OPTION)             | 2040-31-900  |
| CPU KIT (BED EXIT/SCALE), EPIC II                | 2030-700-13  |
| CPU KIT (ZONE BED EXIT/SCALE), EPIC II           | 2030-700-14  |
| CPU KIT (BED EXIT/SCALE), EPIC II+               | 2040-700-11  |
| CPU KIT (ZONE BED EXIT/SCALE), EPIC II+          | 2040-700-12  |
| DISPLAY/CPU BOARD (EPIC II+ OPTION)              | 2030-31-910  |
| FOOT BOARD KEYBOARD (S/R LIGHTS, LOCKOUTS, ETC.) | 3001-500-930 |
| FOOT BOARD SCALE DISPLAY                         | 3001-507-900 |
| FOOT BOARD SCALE KEYBOARD                        | 3001-507-910 |
| FOOT BOARD BED EXIT KEYBOARD                     | 3001-508-900 |
| INVERTER/CHARGER BOARD                           | 3002-1-920   |
| POWER SUPPLY                                     | 59-157       |
| SMART TV CIRCUIT BOARD                           | 3001-330-970 |

**SIDERAIL BOARDS**

|                       |              |
|-----------------------|--------------|
| INSIDE BOARD          | 3001-400-930 |
| OUTSIDE BOARD         | 3001-400-910 |
| SMART TV BOARD, RIGHT | 5000-400-920 |
| SMART TV BOARD, LEFT  | 5000-400-930 |
| SPEAKER W/CABLE       | 3000-403-831 |

**OTHER COMPONENTS**

|                                 |              |
|---------------------------------|--------------|
| BATTERY TRAY ASSEMBLY           | 3002-1-15    |
| CAPACITOR, FOWLER & GATCH       | 59-779       |
| CAPACITOR, FOWLER & GATCH, 230V | 59-153       |
| CAPACITOR, LIFT                 | 59-778       |
| CAPACITOR, LIFT, 230V           | 3221-200-243 |
| CASTER, 6"                      | 3001-200-60  |
| CASTER, STEER, 6"               | 3001-200-50  |
| CASTER, 8", OPTIONAL            | 3001-200-90  |
| CASTER, STEER, 8", OPTIONAL     | 3001-200-80  |
| COIL CORD, LIFT POWER           | 3001-200-864 |
| COIL CORD, LIFT SENSOR          | 3001-200-815 |
| COMMUNICATIONS TESTER           | 3001-303-165 |
| ISOLATION PLATE KIT, LIFT MOTOR | 3000-200-723 |
| LOAD CELL                       | 3001-307-57  |
| MOTOR COUPLER KIT, LIFT         | 3000-200-725 |
| MOTOR, FOWLER & GATCH W/CLUTCH  | 3001-300-705 |

**OTHER COMPONENTS (CONTINUED)**

|  |              |
|--|--------------|
| MOTOR, FOWLER & GATCH W/CLUTCH, 230V           | 3221-300-705 |
| 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 W/BRUSH          | 7000-1-321   |
| PAINT, TOUCH-UP, OPAL, SPRAY CAN               | 7000-1-318   |
| POTENTIOMETER, FOOT END                        | 3001-200-230 |
| POTENTIOMETER, FOWLER W/CABLE                  | 2035-32-803  |
| POTENTIOMETER, HEAD END                        | 3001-200-240 |
| POWER CORD                                     | 39-254       |
| SIDERAIL COVER, RIGHT                          | 3000-336-11  |
| SIDERAIL COVER, LEFT                           | 3000-336-12  |
| SIDERAIL COVERS (SET OF FOUR)                  | 2040-130     |
| SINGLE TUBE OF GREASE                          | 3000-200-700 |

## GENERAL INFORMATION

This section contains tool lists and step-by-step procedures to assist with the maintenance and servicing of the base portion of your equipment.

In the text, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

## BASE MAINTENANCE CONTENTS

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| Static Discharge Precautions .....                     | 6-2        |
| Brake Pedal Replacement .....                          | 6-3        |
| Lift Motor and Capacitor Removal and Replacement ..... | 6-4        |
| Lift Housing Removal and Replacement .....             | 6-5, 6-6   |
| Lift Potentiometer Replacement and Adjustment .....    | 6-7, 6-8   |
| Lift Potentiometer “Burn-In” Procedure .....           | 6-8        |
| Lift Motor Coupler Replacement .....                   | 6-9        |
| Power and Sensor Coil Cord Replacement .....           | 6-10, 6-11 |
| Optional Battery Removal and Replacement .....         | 6-12       |

## Static Discharge Precautions

The electronic circuits in the 2030 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 2030. *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.

Stryker has available the following equipment for proper static protection:

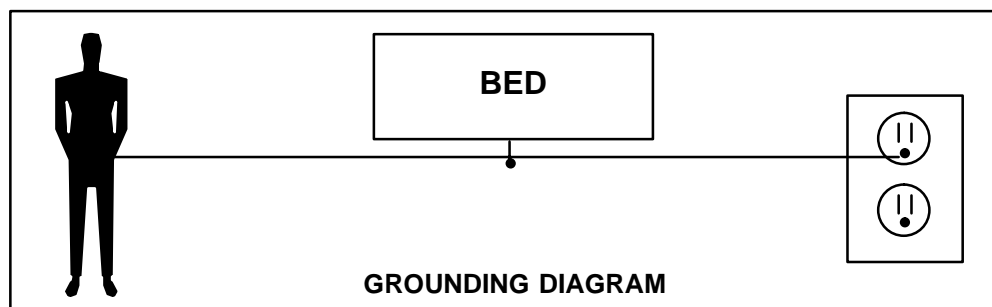
- Complete static protection system – part number 3000–000–753
- 1 grounding plug – part number 3000–000–754
- 1 static wrist strap – part number 3000–000–755
- 1 test lead – part number 3000–000–756

### 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.



## Brake Pedal Replacement

---

### Required Tools:

5/16" Hex Allen Wrench

Torque Wrench

Loctite 242

Hammer

Punch

#2 Phillips Screwdriver

Bungee Cords (or Equivalent)

### Procedure:

5. Raise the litter to the full up position.
6. Unplug the bed power cord from the wall socket.
7. Using a #2 Phillips screwdriver, remove the three screws holding both the head end and the foot end upper lift covers. If you want, hold the covers out of the way by using bungee cords (or the equivalent) to secure them to the litter top.
8. Using a 5/16" hex Allen wrench, remove the two bolts holding the brake pedal to the brake rod.
9. 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.
10. Push the brake rod through the frame until the brake pedal is clear. Remove the brake pedal.
11. 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.

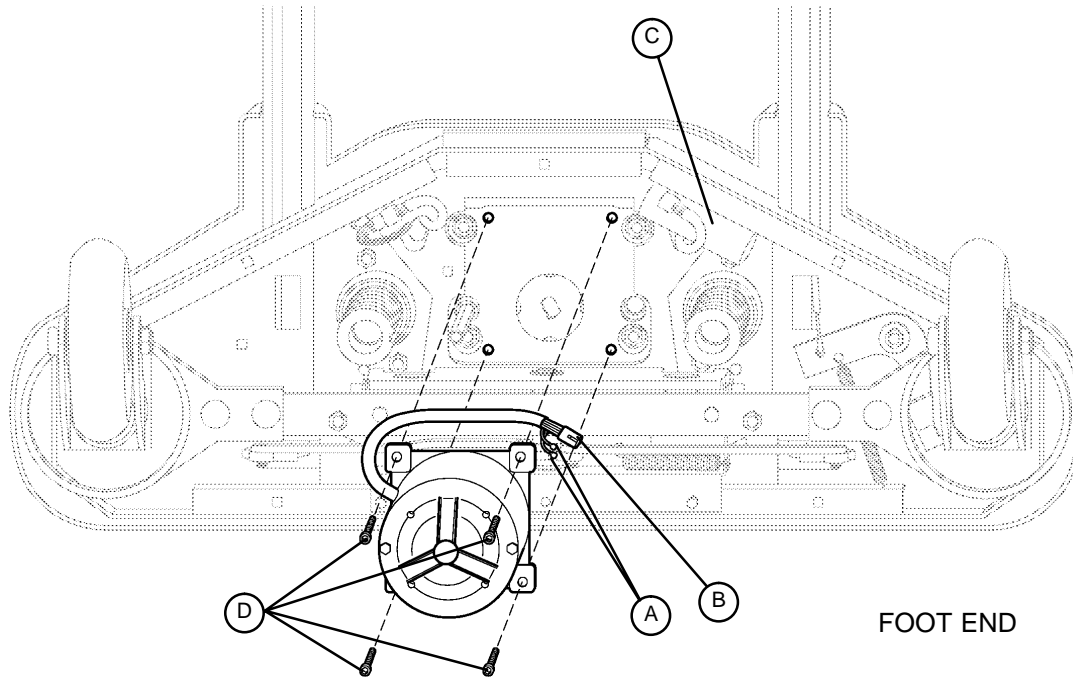
## Lift Motor and Capacitor Removal and Replacement

### Required Tools:

3/8" Socket Wrench w/Extension  
Side Cutters

5/16" Socket Wrench  
7/16" Open End Wrench

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. Using a 5/16" socket wrench, remove the six 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.

## Lift Housing Removal and Replacement

---

**Required Tools:**

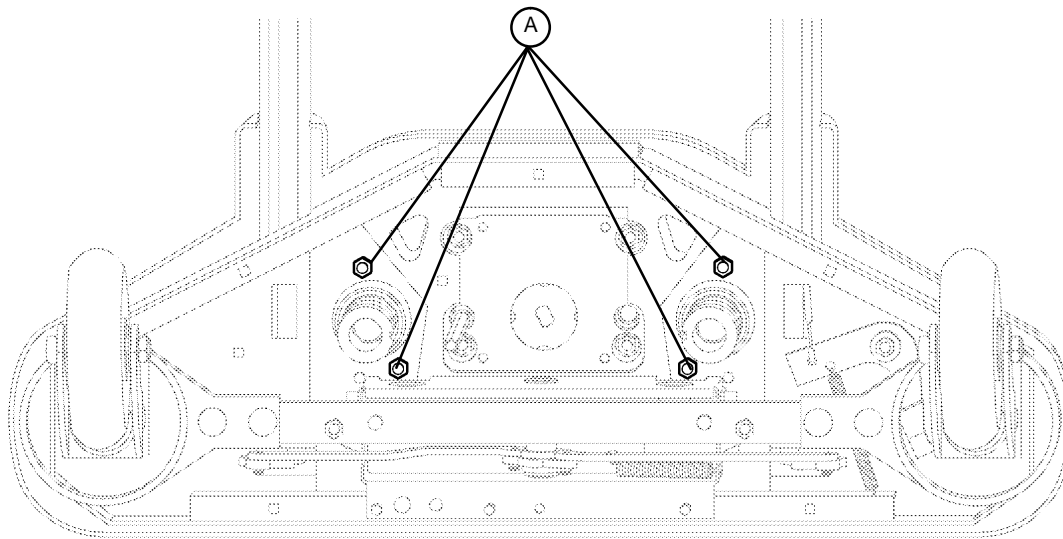
|                                      |                             |                     |
|--------------------------------------|-----------------------------|---------------------|
| #2 Phillips Screwdriver              | Bungee Cord (or Equivalent) | 5/16" Socket Wrench |
| Side Cutters                         | 9/16" Socket Wrench         | Floor Jack          |
| 7/32" Hex Allen Socket Wrench        | Sawhorses (or Equivalent)   | 2x4 (or Equivalent) |
| 3/8" Socket Wrench (w/ 6" extension) |                             |                     |

**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 six 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. Remove the lift motor and capacitor (refer to procedure on page 6–4).
5. Remove lift potentiometer (refer to procedure on page 6–7).
6. 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.
7. Using a 7/32" hex Allen socket, remove the two screws holding the lift screws to the header crossbar plate.
8. Lift the litter top up and support it about 6" above the lift screws with sawhorses or the equivalent.

## Lift Housing Removal and Replacement (Continued)



FOOT END – BOTTOM VIEW

9. Under the base, using a 9/16" socket, remove the four nuts (A) holding the lift housing to the base.
10. Lift up and out on the lift housing assembly to remove it from the base.



### CAUTION

To ensure proper reattachment of the power and sensor coil cords, refer to the procedure on page 6–10. Refer to the procedure on page 6–7 for reattachment of the lift potentiometer.

11. 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.

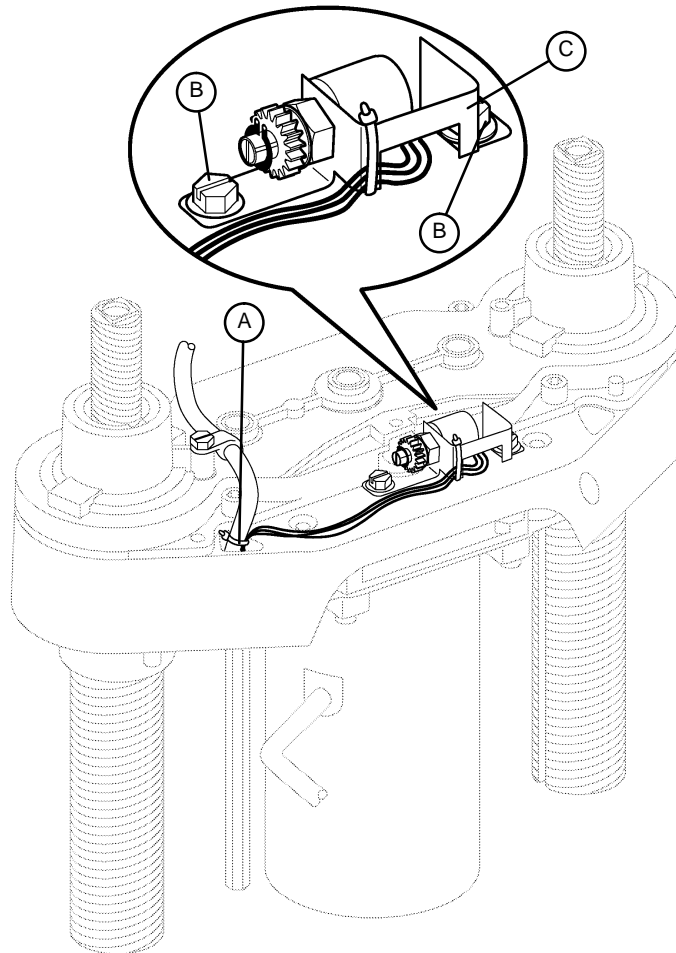
## Lift Potentiometer Replacement and Adjustment

### Required Tools:

#2 Phillips Screwdriver  
3/8" Open End Wrench

Bungee Cord (or equivalent)  
Side Cutters

5/16" Socket Wrench



### Procedure:

1. Raise the litter to the full up position.
2. Unplug the bed power cord from the wall socket.
3. Using a 5/16" socket wrench, remove the six bolts holding the lower lift cover to the base and remove the cover. 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 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.
5. Using side cutters, cut the cable tie (A) holding the pot cable to the coil cord.
6. Unplug the pot cable from the sensor coil cord. If replacing a pot at the head end of the bed, unplug the cables attached to the brake sensor switch.
7. Pull the pot cable up through the base.
8. Using a 3/8" open end wrench, remove the two bolts (B) holding the pot housing (C) to the lift housing.

## Lift Potentiometer Replacement and Adjustment (Continued)

---

9. Lift up and out on the pot housing assembly to remove it from the lift housing.
10. Before installing the new pot 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.
11. Reverse steps 4–8 to install the new pot and pot housing assembly.
12. After installing the new pot, the "burn-in" procedure below must be followed.

### NOTE

Be sure to maintain the pot 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 Bed Motion Lock and Knee Lock Out buttons simultaneously.
3. While holding down the above two buttons, plug the power cord into the wall socket. Release the two buttons. The Siderail Control Lights LED on the foot board control panel should be flashing, indicating the bed is in the diagnostics mode.
4. From the foot board, run the litter full up to a "hard stop".
5. Hold down the Bed Motion Lock button until the light flashes. If your bed has the **enhanced height option**, you must first press and hold the Knee Down button and then press 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 down, then full up to verify the bed limits.
8. The distance between the floor and the top of the litter seat section (without a mattress) on a standard bed should be approximately 18.25" with the litter fully down and 32.5" with the litter fully up. For an enhanced height bed, the distances are 19.9" and 34.5".

### NOTE

These values are for beds equipped with 6 inch casters. Add two inches to both measurements for beds equipped with 8 inch casters.

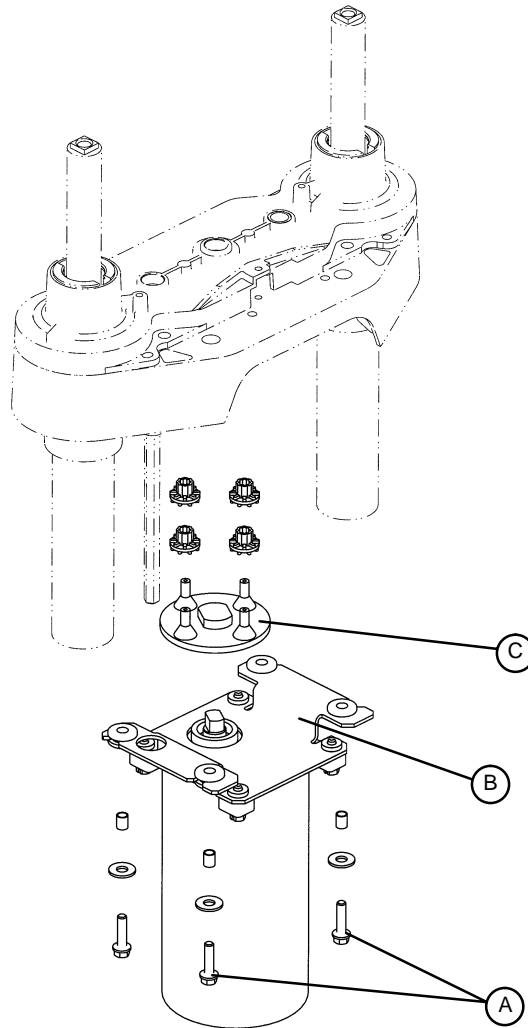
## Lift Motor Coupler Replacement

### Required Tools:

5/16" Socket Wrench  
2x4 (or Equivalent)

3/8" Socket Wrench (w/6" Extension)

Floor Jack



### 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 six 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.

## Power and Sensor Coil Cord Replacement

### Required Tools:

|                             |                  |                     |
|-----------------------------|------------------|---------------------|
| #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.

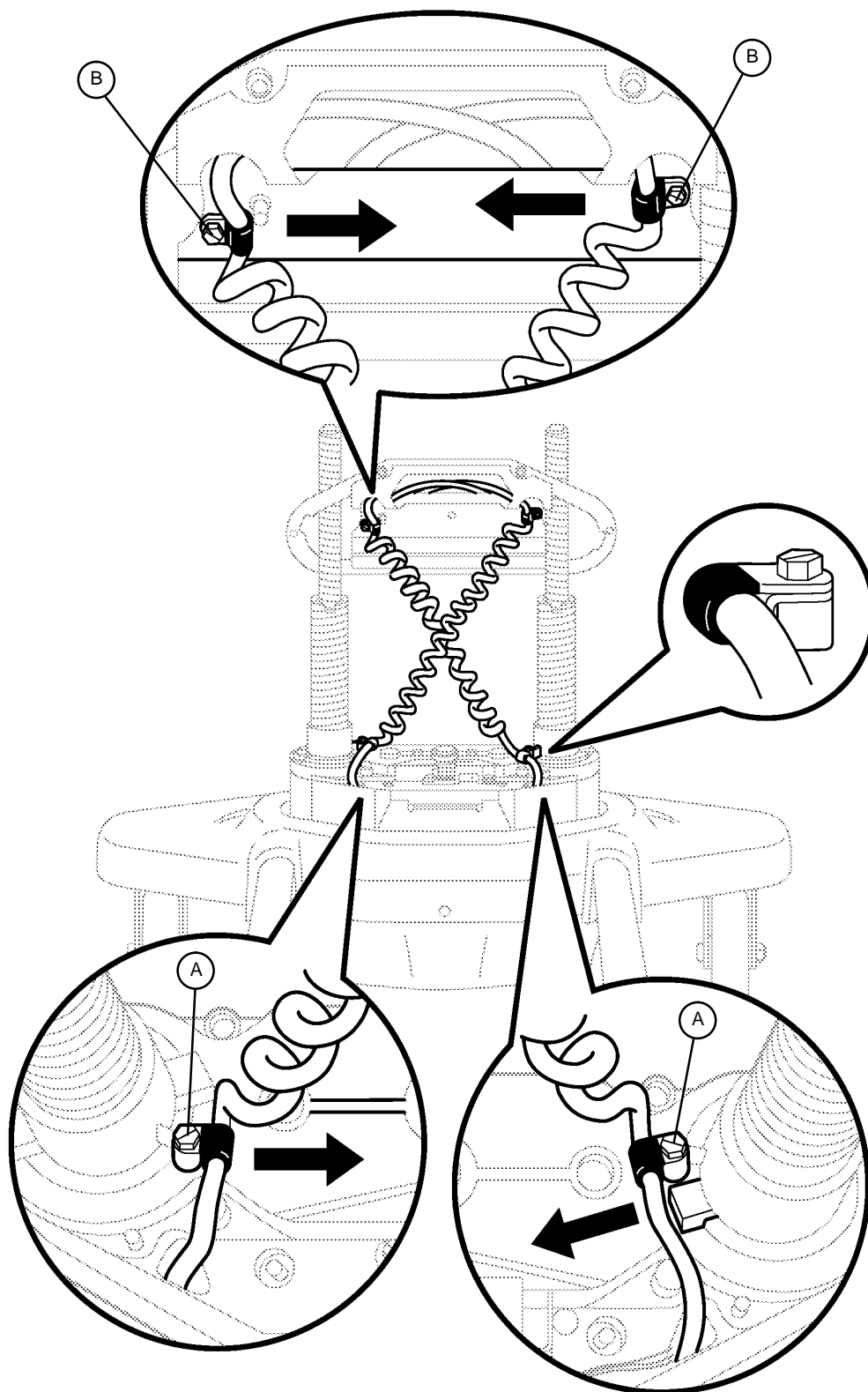
1. Unplug the bed power cord from the wall socket.
2. Using a 5/16" socket wrench, remove the six bolts holding the lower lift cover to the base and remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws holding the upper lift cover to the base. If you want, hold the covers out 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.\*



### CAUTION

\* When the power and sensor coil cords are being replaced, secure the cable clamps to the cords at the first coil both on the top and on the bottom to assure 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.**

## Power and Sensor Coil Cord Replacement Illustration



VIEW FROM CENTER OF BED

## Optional Battery Removal and Replacement

### Required Tools:

|                      |              |
|----------------------|--------------|
| Torx T27             | 7/16" Wrench |
| 1/2" Socket Wrench   | Bungee Cords |
| Phillips Screwdriver |              |

### Procedure:

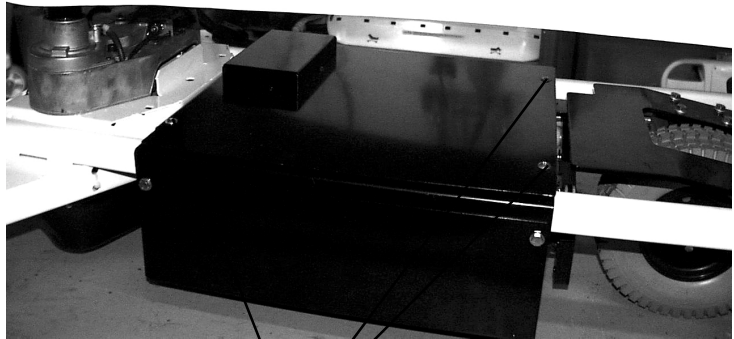
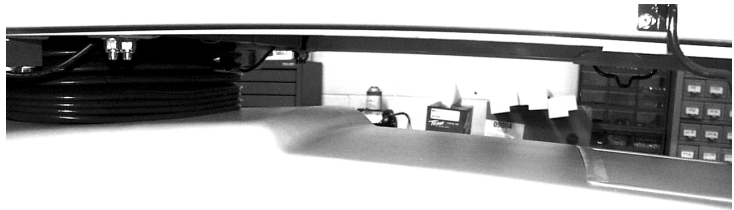
1. Raise the litter to full up. Unplug the power cord from the wall socket and push the battery power on/off switch to the "OFF" position.
2. Using a Phillips screwdriver, remove the four screws holding the base hood to the base frame.
3. Lift the base hood and support it from the litter frame using bungee cords or the equivalent.
4. Properly ground yourself (see page 6-2 for static discharge precautions).
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

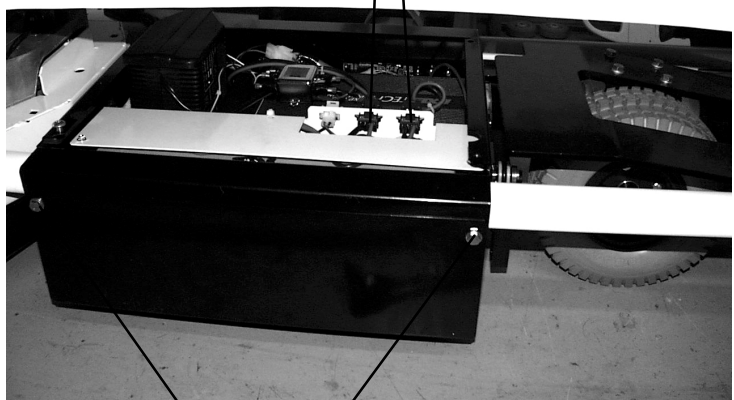
The battery tray assembly weighs 50 pounds. Use caution when removing the two hex head screws securing it to the base frame or personal injury could result. Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and 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. Reverse steps 1 – 9 to install the new batteries. Complete the last four items of the set-up procedures on page 1-6.



A

B



C

## GENERAL INFORMATION

This section contains tool lists and step-by-step procedures to assist with the maintenance and servicing of the litter portion of your equipment.

In the text, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

## LITTER MAINTENANCE CONTENTS

|   |            |
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| Scale System Diagnostics and Calibration .....          | 7-2, 7-3   |
| Load Cell Replacement .....                             | 7-4        |
| Head Motor Removal and Replacement .....                | 7-5        |
| Knee Motor Removal and Replacement .....                | 7-6        |
| Power Supply Removal and Replacement .....              | 7-7        |
| CPU Board Removal and Replacement .....                 | 7-7        |
| Fowler and Lift Potentiometer “Burn-In” Procedure ..... | 7-8        |
| Optional Smart TV Interface “Burn-In” Procedure .....   | 7-9        |
| Optional Epic II+ AC Crossover Board Replacement .....  | 7-10, 7-11 |
| Optional Display/CPU Board Replacement .....            | 7-12       |

## Scale System Diagnostics and Calibration

### Diagnostic Mode Functions:

1. **Calibrate Scale:** This is required in the field if a CPU board or a load cell is replaced.
2. **Display Corner:** This function displays the individual reference numbers for each load cell assembly and can be used to isolate a defective load cell.
3. **Init. to Defaults:** This may be required in the field when replacing a CPU board or a load cell.
4. **Erase E-prom:** This is a factory setting not used in the field.
5. **Display Factor:** This is a factory setting not used in the field.
5. **Exit Diagnostics:** Changes made in the diagnostic mode **must** be saved in permanent memory using this function. Switching off power without saving will reset all variables to their previous values.

### 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 display "CALIBRATE SCALE". The diagnostic mode is now active.

### 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 "CALIBRATE SCALE" 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".
3. Press and release the ENTER button (LBS/KGS). The LCD should display "PICK CORNER NOW".

The four buttons listed in the group below function as POSITION buttons corresponding with the four corners of the bed's litter. Whenever the LCD displays "PICK CORNER NOW", press one of these buttons to select the load cell assembly at the desired corner.

- A. ZERO = head end, patient's left side
  - B. CHANGE EQUIP. = head end, patient's right side
  - C. TREND/FOWLER ANGLE = foot end, patient's right side
  - D. LBS/KGS = foot end, patient's left side
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.
  6. When all the load cell outputs have been checked, repeatedly press and release the SCALE ON/OFF button until the LCD displays "EXIT DIAGNOSTICS". Press the ENTER button (LBS/KGS) to exit diagnostics.

## Scale System Diagnostics and Calibration

### 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 1% of the actual weight.
2. If the displayed weight is not accurate, remove the weight from the bed and proceed to the Scale Calibration section.

### Scale Calibration:

#### NOTE

It requires **two people** to enable the calibration mode for the scale system.

Raise the siderails when calibrating the scale to avoid getting inaccurate scale readings due to possible interference between the siderails and the casters.

Calibrate the scale system with a known 200 pound weight. If exactly 200 pounds is not available, the factory default for calibration will have to be changed as described in step 8.

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 "CALIBRATE SCALE". The calibration mode is now active.
5. Using the up or down arrow button (ZERO or SCALE ON/OFF), toggle through the menu until "INIT. TO DEFAULTS" is displayed. Press and hold the ENTER button (LBS/KGS) until "SAVING DEFAULTS" is displayed. Release the ENTER button.
6. Using the up or down arrow buttons (ZERO or SCALE ON/OFF), toggle through the menu until "CALIBRATE SCALE" is displayed.
7. 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=<2 0000". This is the factory default for 200 pounds. If 200 pounds will be used to calibrate the scale, proceed to step 9.
8. If exactly 200 pounds is not available, change the display to match the weight you are using. Pressing the TREND/FOWLER ANGLE 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.
9. Press and release the SCALE ON/OFF button and the LCD will display "PRESS REV. TREND". Press the button with the Reverse Trendelenburg symbol (feet down/head up) until the bed reaches full reverse Trend. Release the button and the LCD will display "DO NOT TOUCH BED".
10. The LCD will display "PRESS TREND." Press the button with the Trendelenburg symbol (feet up/head down) until the bed reaches full trend. Release the button and the LCD will display "DO NOT TOUCH BED".
11. The LCD will display "CALIBRATE SCALE". This indicates the calibration procedure is complete.
12. Exit scale calibration by pressing the up arrow button (ZERO) until the LCD displays "EXIT DIAGNOSTICS". Press the ENTER (LBS/KGS) button to exit.
13. Level the bed at a full up or full down position. Remove the weight and zero the bed.
14. Verify scale accuracy and functionality before returning the bed to service.

## Load Cell Replacement

---

### Required Tools:

9/16" Socket Wrench  
Wire Cutters

9/16" Open End Wrench

Saw Horse (or Equivalent)

### Replacement Procedure:

1. Raise the Fowler or knee section, depending which end of the litter needs service.
2. Unplug the load cell connector from the load cell cable.
3. Using wire cutters, remove the wire ties holding the cable to the frame.
4. Using a 9/16" socket and a 9/16" open end wrench, remove the two bolts holding the load cell to the litter cross tube and remove the load cell.
5. Using a saw horse, support the litter at the end where the load cell was removed. Reverse the above procedure to install the new load cell.

### NOTE

Scale calibration procedure must be performed after the load cell is replaced (see page 7–3).

## Head Motor Removal and Replacement

---

### Required Tools:

T27 Torx

7/16" Socket Wrench

3/8" Socket Wrench

Wire Cutters

### Procedure:

1. Run the litter to the full up position and remove the mattress from the bed.
2. Fold the foot section back toward the head end of the bed. Electrically run the knee section to full up. If the knee section will not move electrically, pull the foot section toward the head end of the bed while pulling the CPR release handle (located at the head end of the bed). The knee section will raise.
3. Using a T27 torx, remove the four screws holding the cover to the actuator box and remove the cover.
4. Remove the two CPR release cables from the CPR release bracket. Using a 3/8" socket wrench underneath the actuator box, remove the two bolts holding the release bracket to the actuator box and remove the bracket from the actuator box.
5. Disconnect all the electrical connections going to the head motor and move aside any wiring that could interfere with the removal of the motor.
6. Using a 3/8" socket wrench underneath the actuator box, remove the four bolts holding the motor mounting bracket to the actuator box. Lift up and out on the motor to remove it.
7. Remove the motor mounting bracket from the old motor and install it on the replacement motor.
8. Reverse steps 3 through 6 to install the replacement motor.
9. Verify the bed is working properly before returning it to service.

## Knee Motor Removal and Replacement

---

### Required Tools:

T27 Torx

7/16" Socket Wrench

3/8" Socket Wrench

Wire Cutters

### Procedure:

1. Run the litter to the full up position and remove the mattress from the bed.
2. Fold the foot section back toward the head end of the bed. Electrically run the knee section to full up. If the knee section will not move electrically, pull the foot section toward the head end of the bed while pulling the CPR release handle (located at the head end of the bed). The knee section will raise.
3. Using a 7/16" socket wrench, remove the mounting bolt on the litter for the knee dampening cylinder. This leaves the knee dampener mounted only to the seat panel.
4. Using a T27 torx, remove the four screws holding the cover to the actuator box and remove the cover.
5. Remove the two CPR release cables from the CPR release bracket. Using a 3/8" socket wrench underneath the actuator box, remove the two bolts holding the release bracket to the actuator box and remove the bracket from the actuator box.
6. Disconnect all the electrical connections going to the knee motor and move aside any wiring that could interfere with the removal of the motor.
7. Pull the foot panel toward the head end of the bed. This causes the knee motor linkage to roll past center and allows the motor to be removed without supporting the knee section.
8. Using a 3/8" socket wrench underneath the actuator box, remove the four bolts holding the motor mounting bracket to the actuator box. Lift up and out on the motor to remove it.
9. Remove the motor mounting bracket from the old motor and install it on the replacement motor.
10. Install the replacement motor.
11. Reverse step 3 – 5 to reinstall the knee dampener, CPR bracket and actuator box cover.
12. Pull the foot panel toward the foot end of the bed. This causes the knee motor linkage to roll back past center. If this step is not done, damage to the motor or linkage will occur.
13. Verify the bed is working properly before returning it to service.

## Power Supply Removal and Replacement

---

### Required Tools:

T27 Torx

Needle–Nose Pliers

### Procedure:

1. Run the litter to the full up position and remove the mattress from the bed.
2. Fold the foot section back toward the head end of the bed. Electrically run the knee section to full up. If the knee section will not move electrically, pull the foot section toward the head end of the bed while pulling the CPR release handle (located at the head end of the bed). The knee section will raise.
3. Using a T27 torx, remove the four screws holding the cover to the actuator box and remove the cover.
4. Properly ground yourself (see page 6–2)
5. Unplug all electrical connections from the power supply.
6. Using needle–nose pliers, squeeze the four stand–offs supporting the power supply and pull up gently on the power supply to remove it.
7. Reverse steps 2 through 5 to install the new power supply.
8. Verify the bed is working properly before returning it to service.

## CPU Board Removal and Replacement

---

### Required Tools:

T27 Torx

Needle–Nose Pliers

### Replacement Procedure:

1. Run the litter to the full up position and remove the mattress from the bed.
2. Fold the foot section back toward the head end of the bed. Electrically run the knee section to full up. If the knee section will not move electrically, pull the foot section toward the head end of the bed while pulling the CPR release handle (located at the head end of the bed). The knee section will raise.
3. Using a T27 torx, remove the four screws holding the cover to the actuator box and remove the cover.
4. Properly ground yourself (see page 6–2)
5. Unplug all electrical connections from the CPU board.
6. Press the six stand–offs away from the board while gently lifting the board up and out.
7. Install the replacement CPU board.

### NOTE

After the replacement CPU board is installed, a “burn–in” procedure must be performed for the Fowler and lift motor potentiometers (see page 7–8)

If the bed is equipped with a scale system, a scale calibration procedure must also be performed after the replacement CPU board is installed (see page 7–3).

## Fowler and Lift Potentiometer "Burn-In" Procedure

---

### NOTE

It requires **two people** to enable the diagnostics mode for the bed.

1. Unplug the bed power cord from the wall socket.
2. On the foot board control panel, hold down the bed motion lock button and the button to lock out the side-rail controls for the knee. While still holding the buttons, plug the bed power cord into the wall socket. Release the foot board buttons. The siderail control lights LED should be flashing to indicate the bed is in diagnostics mode.
3. Using the foot board controls, run the Fowler up to 90°. Press and hold the button on the foot board to lock out the siderail controls for the back until the padlock LED flashes. Release the button.
4. Using the foot board controls, run the Fowler down to 0°. Press and hold the button on the foot board to lock out the siderail controls for the knee until the padlock LED flashes. Release the button..
5. To "burn in" the Bed Up/Down limits, raise the bed completely up until it can't go any farther. Press and hold the "Bed Motion Lock" button. The "Bed Motion Lock" LED will light. Continue to hold the "Bed Motion Lock" button until the "Bed Motion Lock" LED flashes. The flashing LED indicates the limits have been set. Release the "Bed Motion Lock" button and unplug the bed power cord from the wall socket to complete the "burn-in" mode. If your bed has the **enhanced height option**, you must first press and hold the Knee Down button and then press the Bed Motion Lock button until the light flashes.
6. Plug the bed power cord into the wall socket and verify the back and bed lift limits are set properly before returning the bed to service.
7. The distance between the floor and the top of the litter seat section (without a mattress) on a standard bed should be approximately 18.25" with the litter fully down and 32.5" with the litter fully up. For an enhanced height bed, the distances are 19.9" and 34.5".

### NOTE

These values are for beds equipped with 6 inch casters. Add two inches to both measurements for beds equipped with 8 inch casters.

## 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.

### SET-UP

- 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 page 7–8 ).
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            | Phillips/Magnavox                     |
| Six times  | Six flashes             | Magnavox<br>(models 9120, 9220, 9320) |
| Seven times  | Seven flashes           | Traditional TV                        |
| Eight times  | Eight flashes           | Traditional Plus                      |

## Optional Epic+ AC Crossover Board Replacement

### Required Tools:

T27 Torx

Wire Cutters

5/16" Nut Driver

1/2" Box End Wrench

Small Flat Blade Screwdriver

#2 Phillips Screwdriver

Needle Nose Pliers

### Replacement 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 (A) holding the power cord clamp to the bumper weldment and remove the clamp from the bumper.

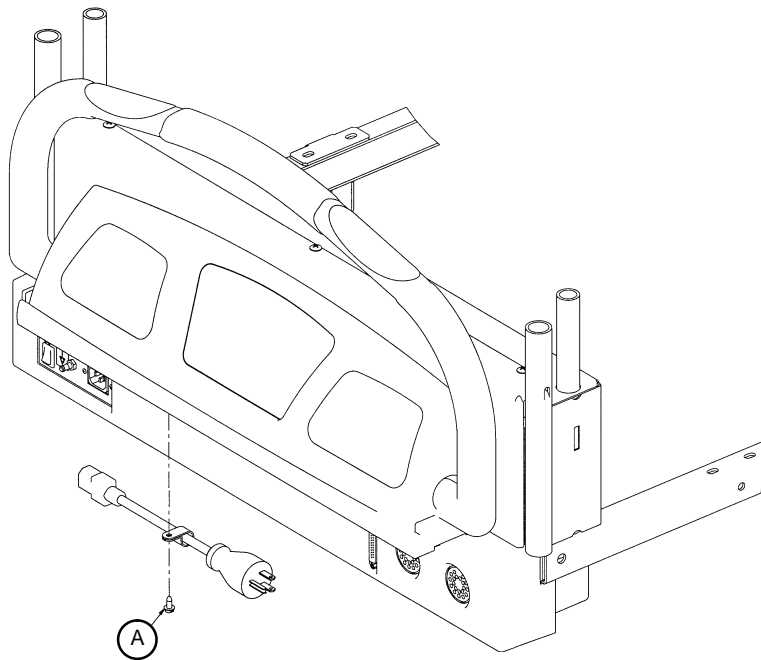


FIGURE 1

## Optional Epic+ AC Crossover Board Replacement

5. Using a T27 Torx, remove the four bolts (C) at the head end of the bed holding the control bar mounting bracket to the head end (see Figure 2).
6. Using a #2 Phillips screwdriver, remove the three screws (D) holding the control bar cover to the head end of the bed (see Figure 3).

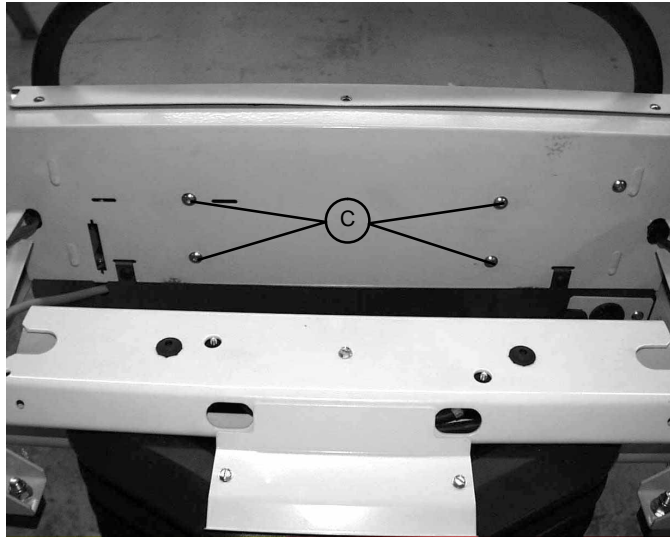


FIGURE 2

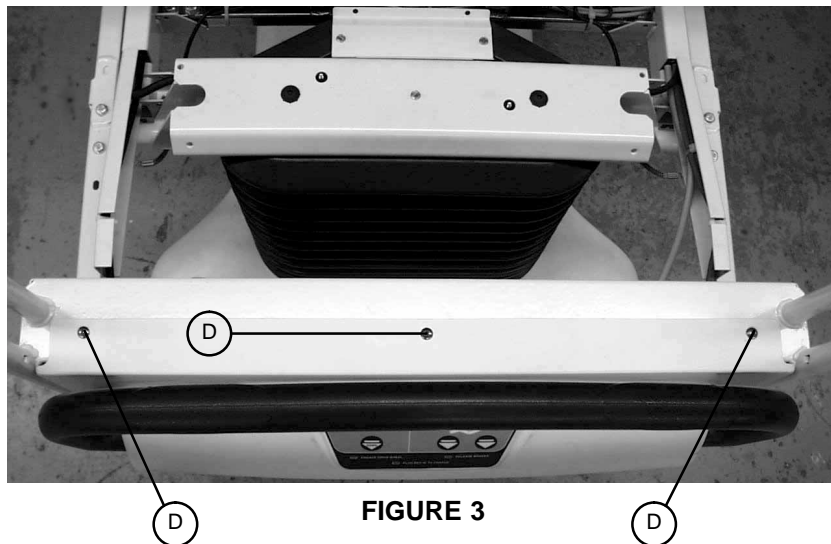


FIGURE 3

7. Using a T-27 Torx, remove the 2 bolts holding the AC crossover board cover to the head end frame and remove the cover.
8. Disconnect all wires from the AC crossover board.
9. Using needle nose pliers, release the four mounting stand-offs from the board and remove the board.
10. Reverse steps 9 – 12 to install the new board.
11. Reverse steps 1 – 8 of the control bar potentiometer replacement procedure on page 7-11 to reassemble the bed.

## Optional Epic+ 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

### Replacement Procedure:

1. Follow steps 1 – 8 of the AC Crossover Board replacement procedure on page 7–10 & page 7–11.
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 & 3 to install the new board.
5. Reverse steps 1 – 8 of the AC Crossover Board replacement procedure on page 7–10 & page 7–11 to reassemble the bed.

**GENERAL INFORMATION**

This section contains tool lists and step-by-step procedures to assist with the maintenance and servicing of the siderail portion of your equipment.  
In the text, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

**SIDERAIL MAINTENANCE CONTENTS**

Head and Foot End Siderail Cover Removal ..... 8-2

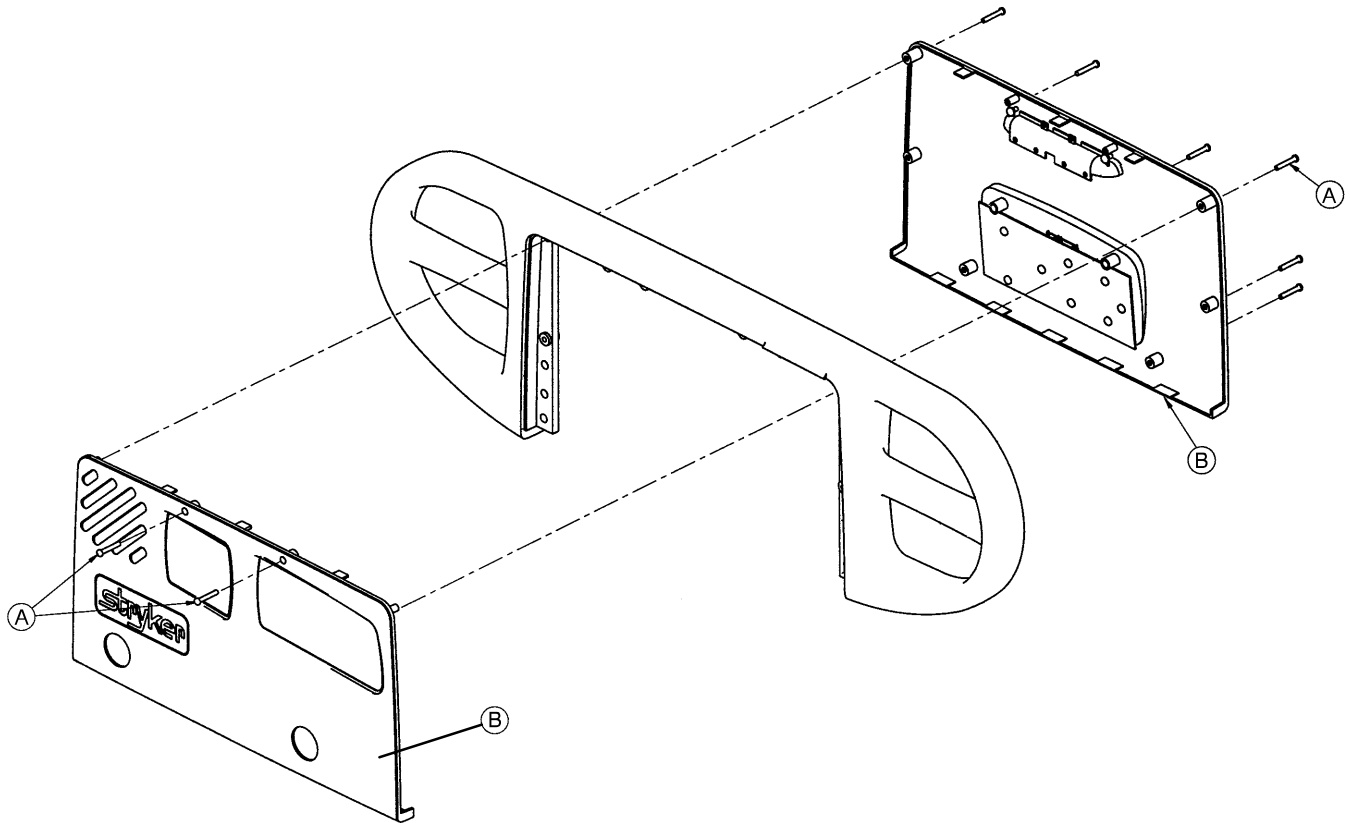
Head and Foot Molded Siderail Replacement ..... 8-3

Head End Siderail Cable Replacement ..... 8-4, 8-5

## Head and Foot Siderail Cover Removal

**Required Tools:**

#2 Phillips Screwdriver

**Removal 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**

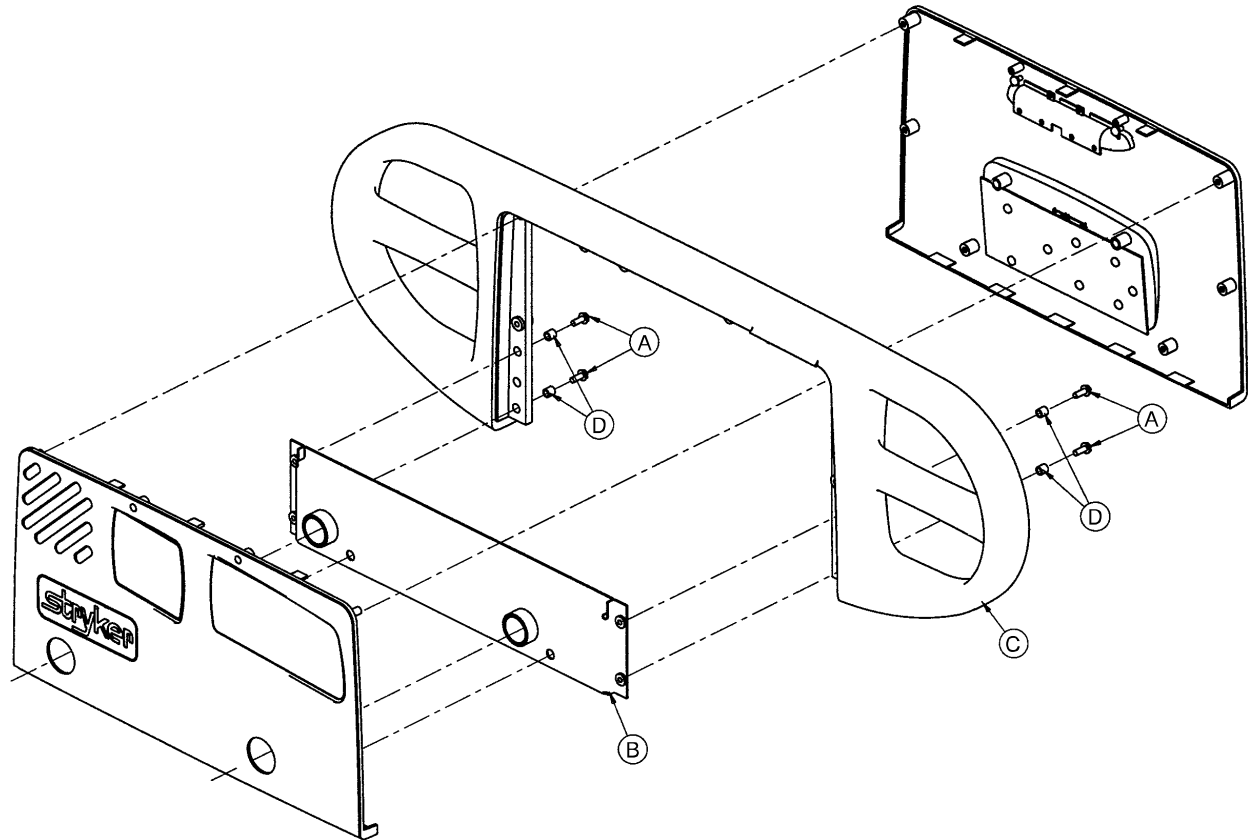
Follow the same procedure for siderail cover removal for the foot end rails.

## Head and Foot Molded Siderail Replacement

### Required Tools:

#2 Phillips Screwdriver

3/8" Nut Driver



### Procedure:

1. Unplug the bed power cord from the wall socket.
2. Remove the siderail cover (see page 8-2).
3. Using a 3/8" nut driver, remove the four screws (A) holding the molded rail (C) to the siderail support assembly (B).

### NOTE

Note the location of the spacers (D) for re-assembly purposes.

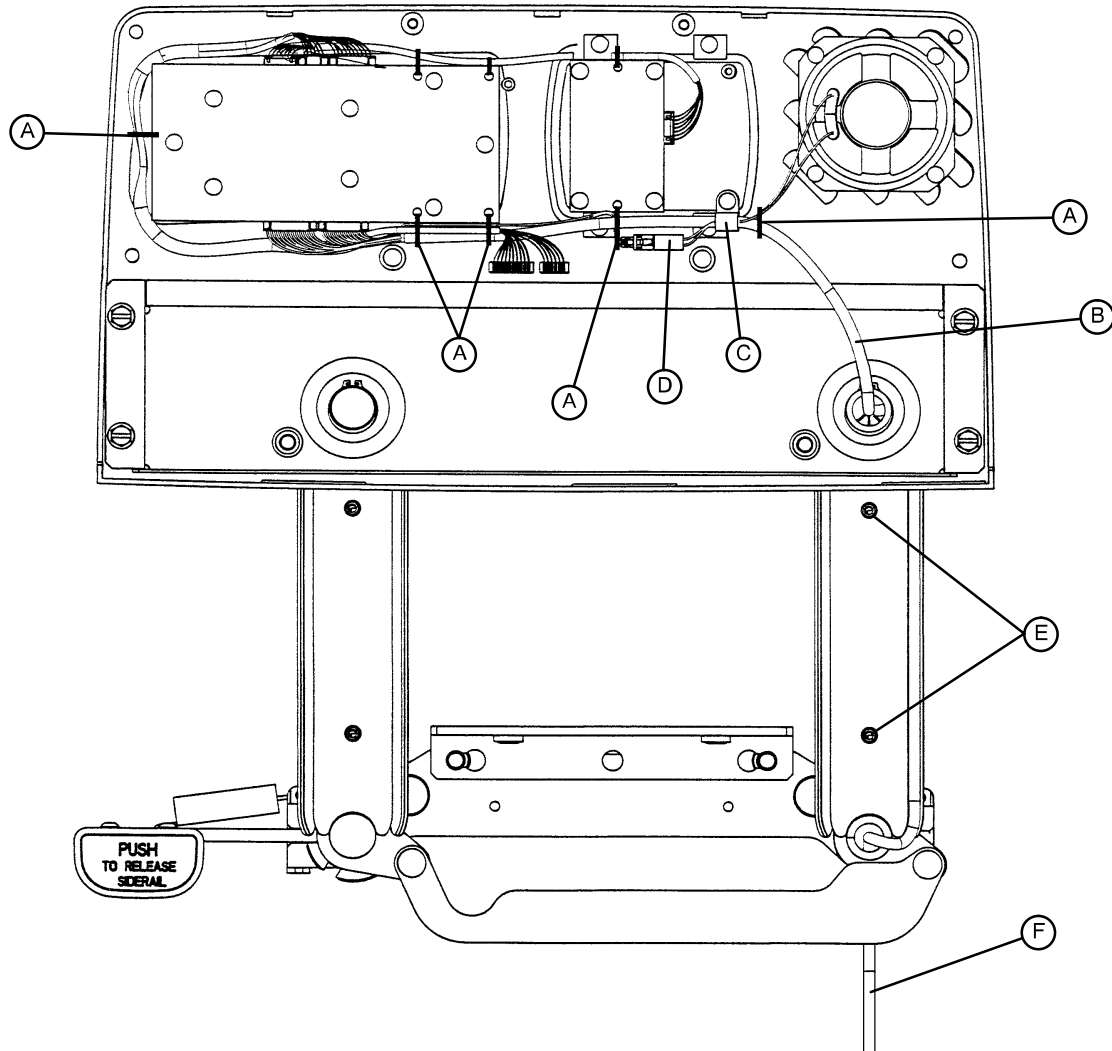
4. Pull up on the molded rail (C) to remove it from the siderail assembly.
5. Reverse the above steps to install the new molded rail.

## Head End Siderail Cable Replacement

### Required Tools:

#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 a #2 Phillips screwdriver, remove the two screws (E) holding the rear siderail pivot arm cover to the pivot arm. Remove the cover to expose the siderail cables.

## Head End Siderail Cable Replacement (Continued)

---

6. Using side cutters, clip the cable ties (A) holding the cables together.
7. Using a #2 Phillips screwdriver, remove the cable clamp (C) from the siderail.
8. 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.

9. Pull the cables through the siderail (toward the center of the bed).
10. Unplug the cable assembly (F) underneath the head section.
11. 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 on page 8–4, before reattaching the pivot arm cover. If not done properly, the cover will not fit tightly and damage could occur to the cables.

## Notes

---

**GENERAL INFORMATION**

This section contains tool lists and step-by-step procedures to assist with the maintenance and servicing of the foot board portion of your equipment.

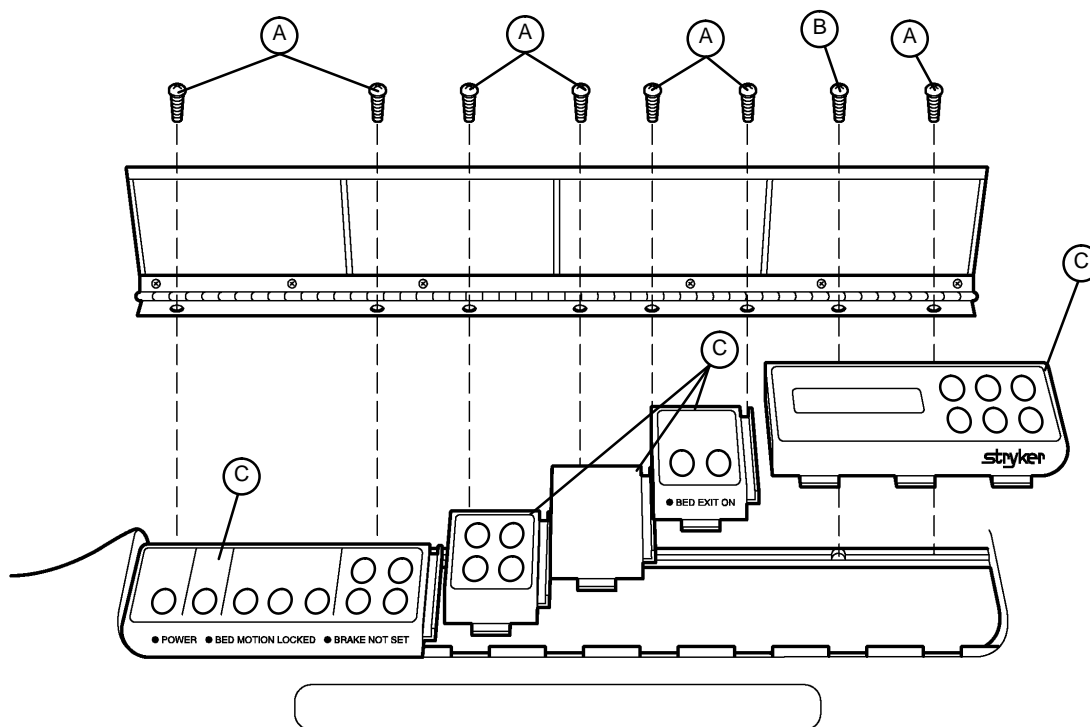
**FOOT BOARD MAINTENANCE CONTENTS**

Foot Board Hinge Removal ..... 9-2

Foot Board Module Replacement ..... 9-3

Foot Board Interface Plug Replacement ..... 9-4

## Foot Board Hinge Removal

**Required Tools:**

#2 Phillips Screwdriver

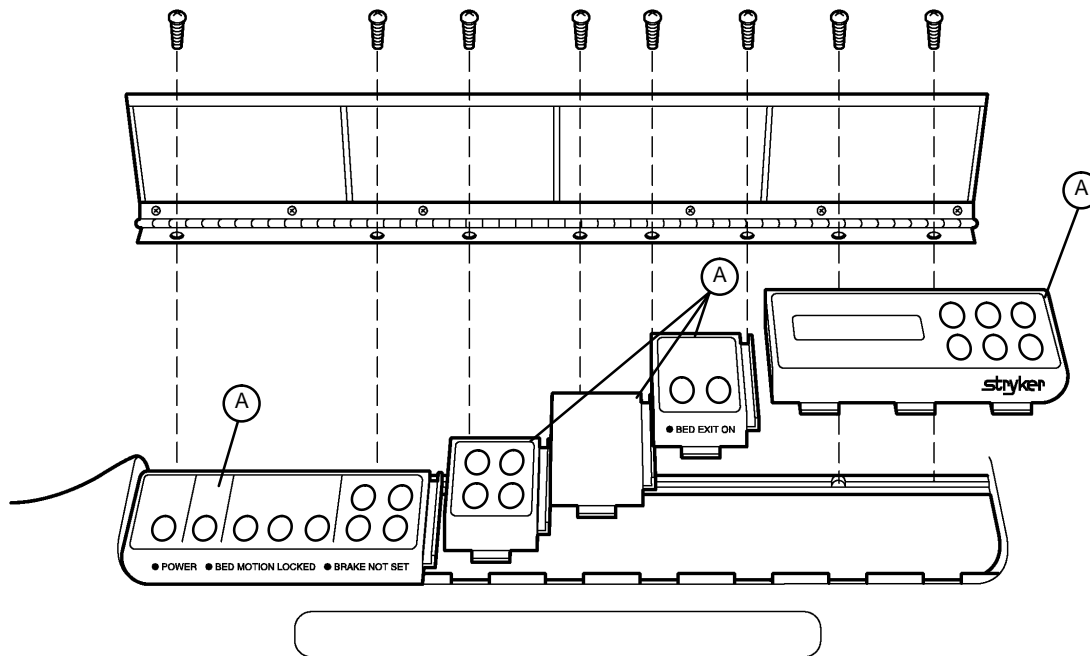
**Procedure:**

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.

## Foot Board Module Replacement



### Required Tools:

#2 Phillips Screwdriver

### Procedure:

1. Unplug the bed power cord from the wall socket. Remove the foot board hinge (see above).

### NOTE

Regardless of 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 (A).
3. Reverse the above steps to install the new module.



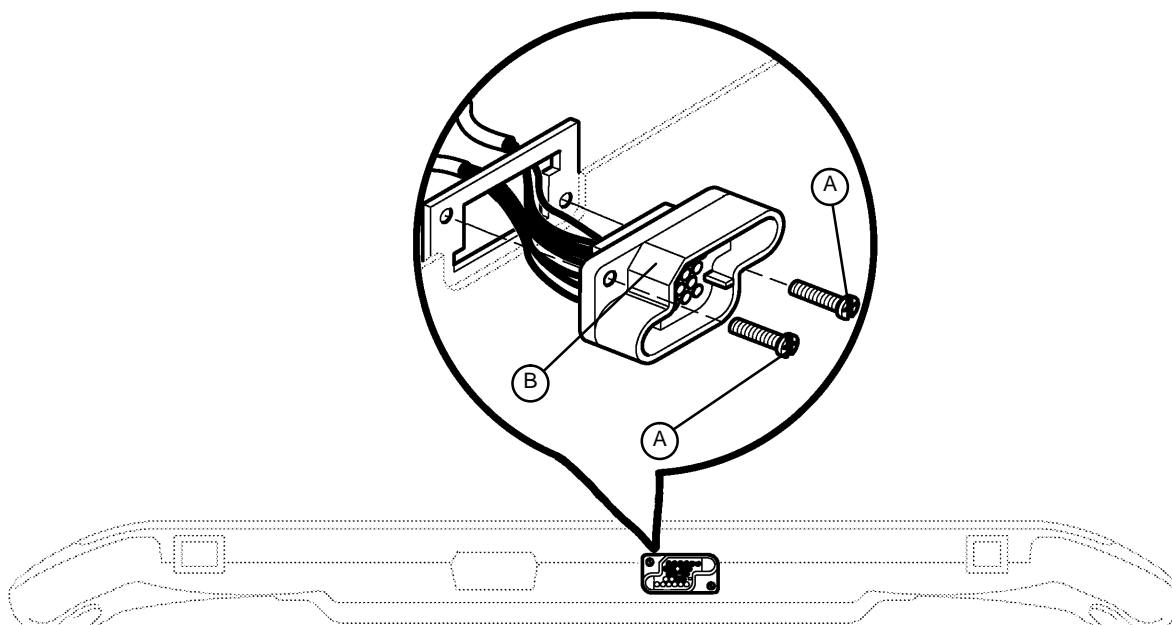
### CAUTION

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

## Foot Board Interface Plug Replacement

**Required Tools:**

#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 page 6–2 for static discharge precautions).
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 and damage to the plug or foot board could result.

## GENERAL INFORMATION

This section contains assembly drawings and parts lists to assist with the identification of individual components of the equipment and accessories.

In the parts lists, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

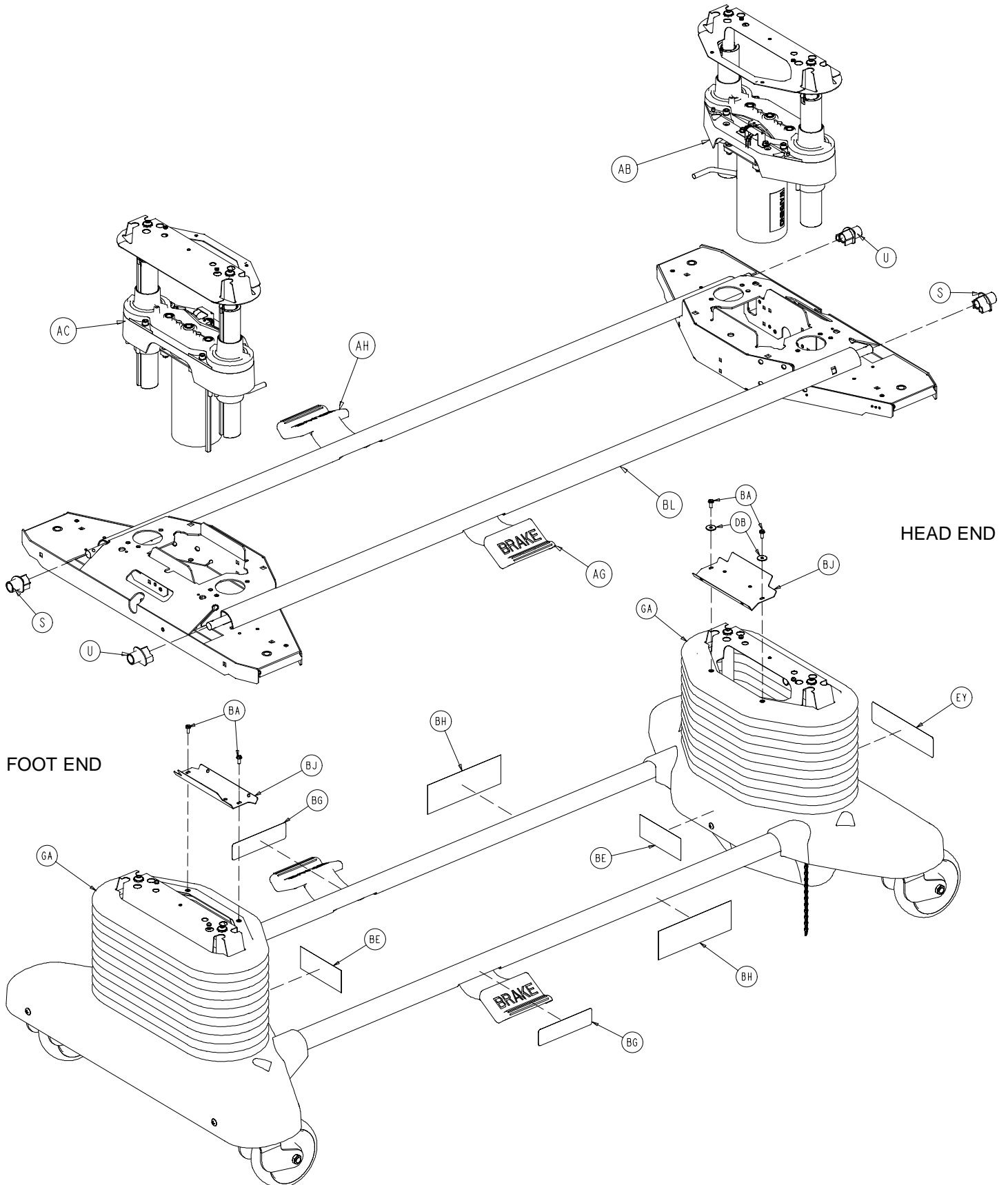
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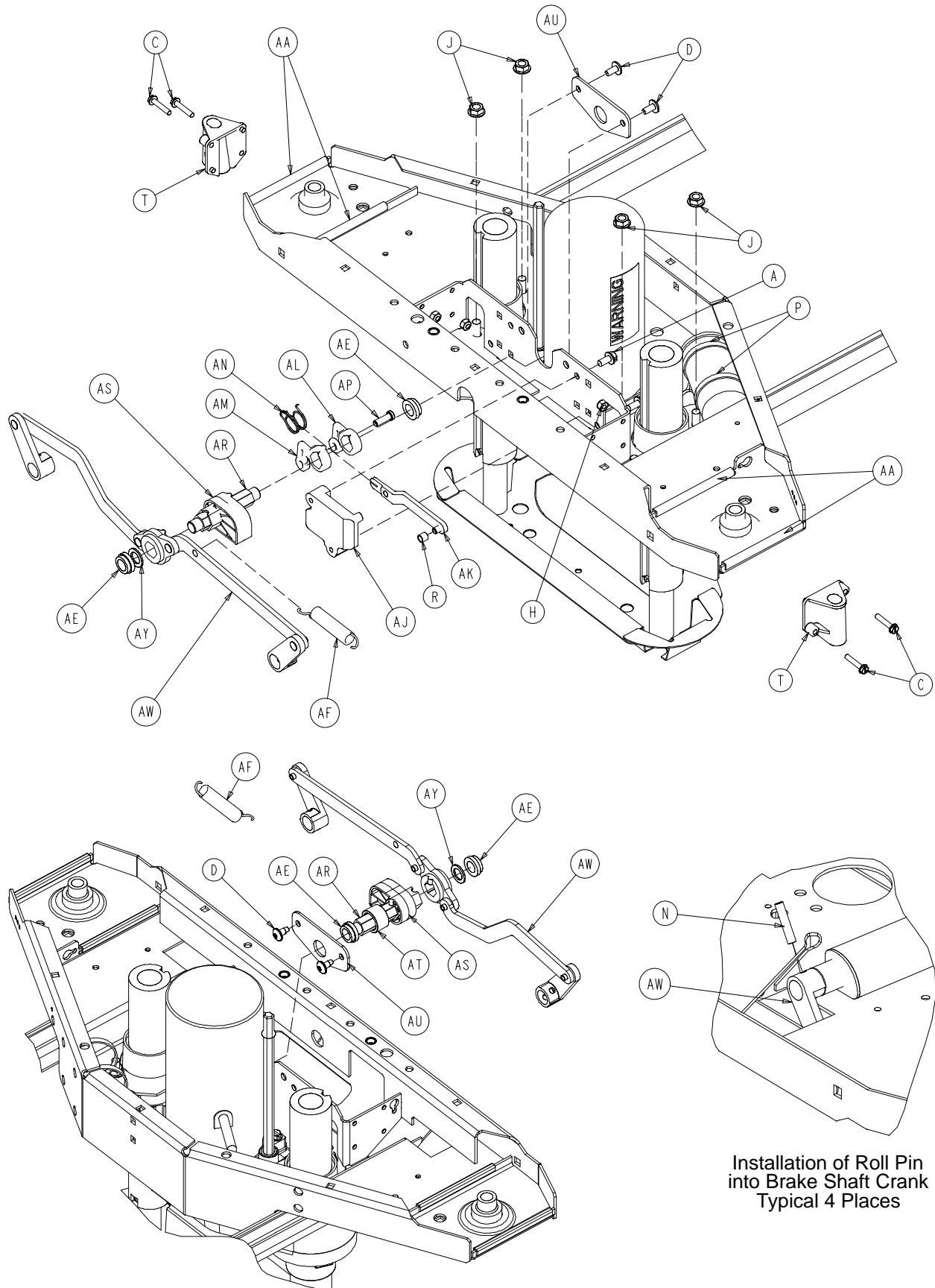
**ASSEMBLY DRAWINGS AND PARTS LISTS CONTENTS (CONTINUED)**

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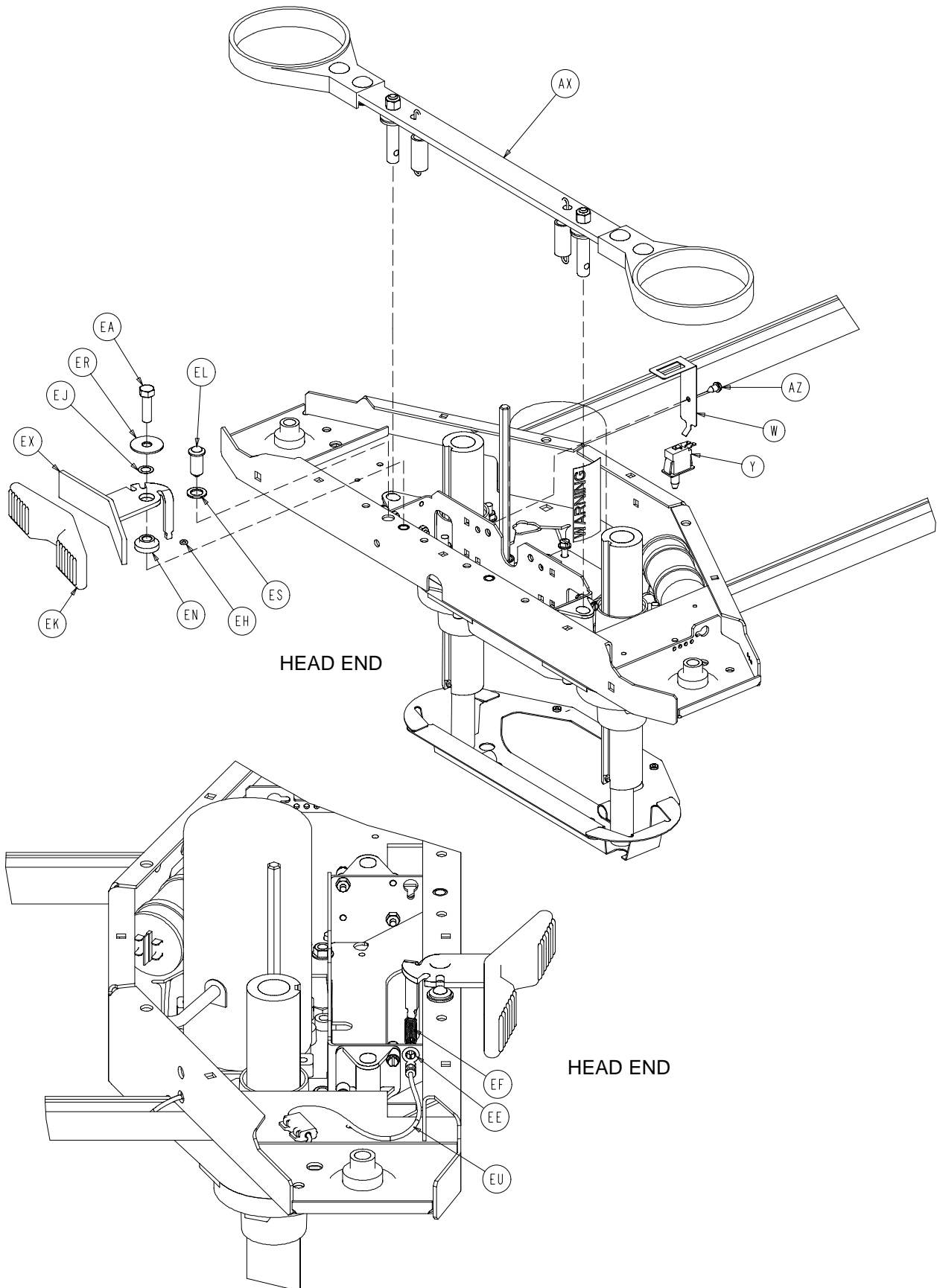
## Base Assembly and Options



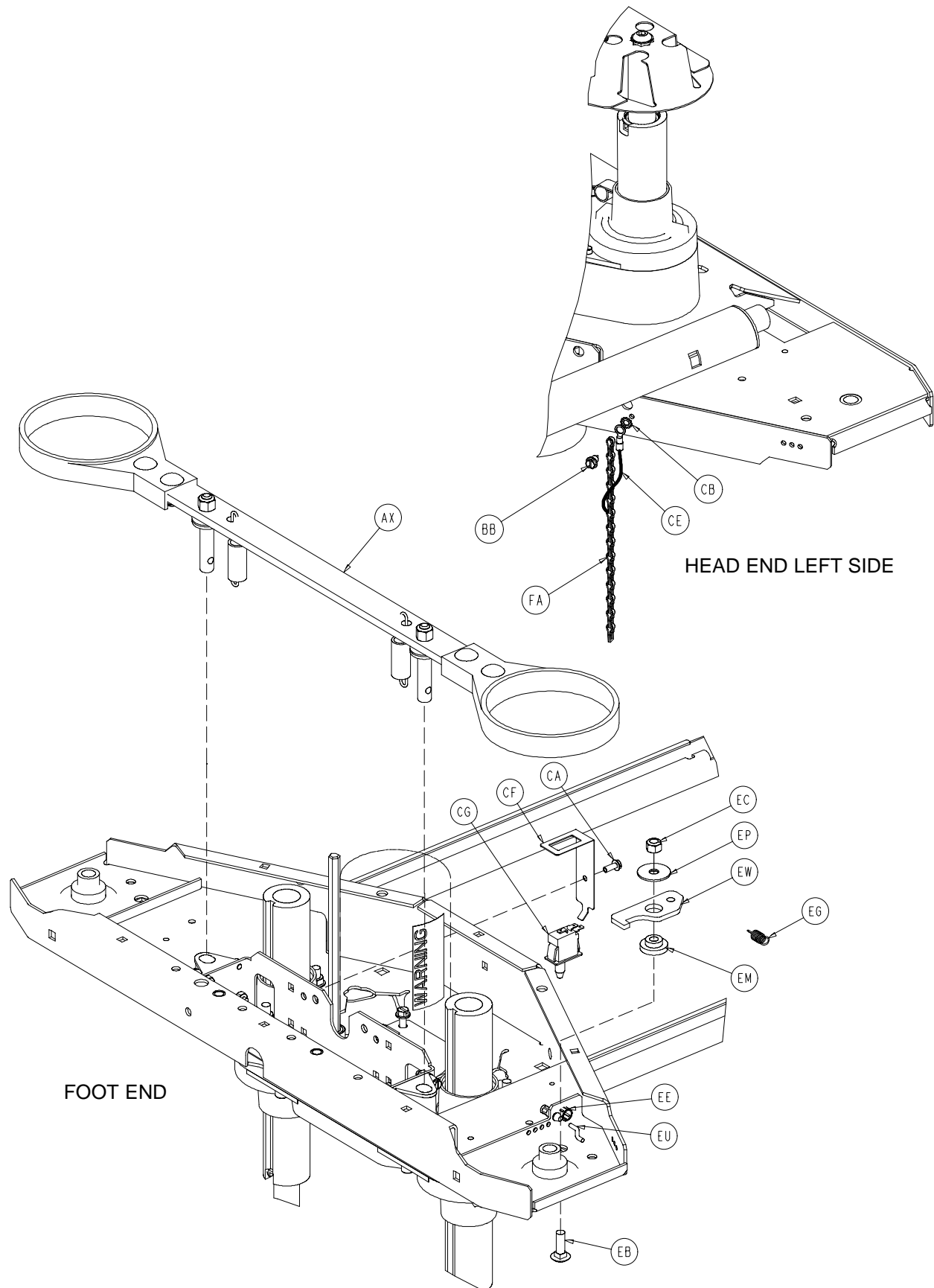
## Base Assembly and Options



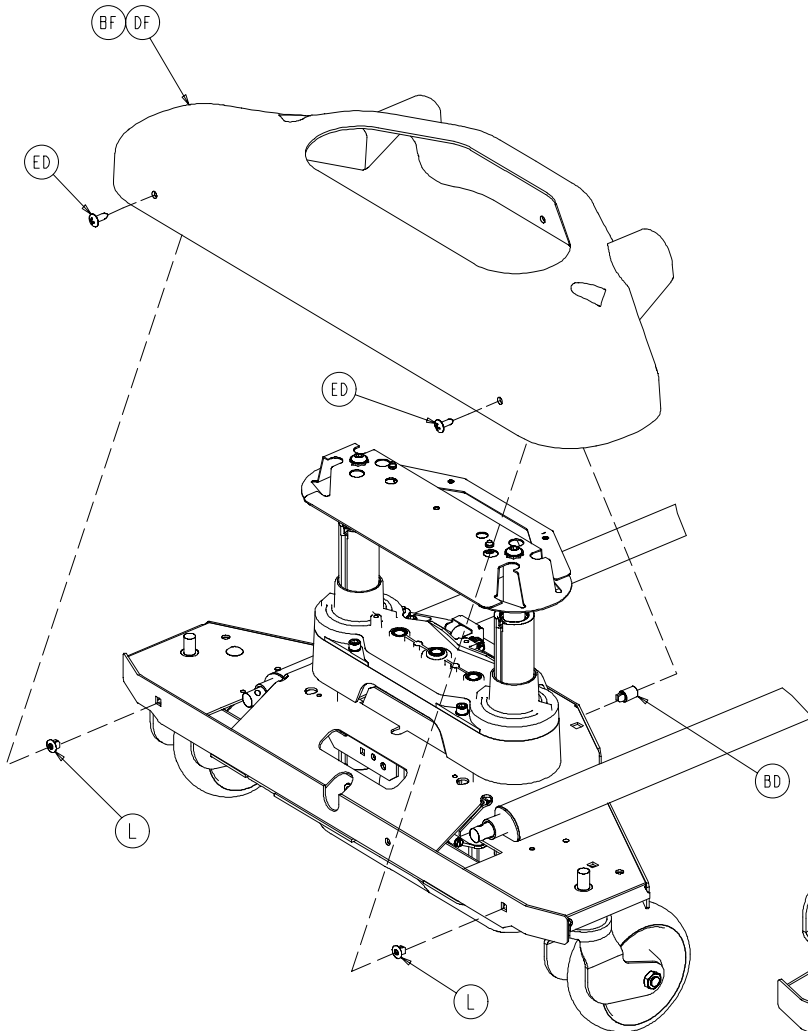
## Base Assembly and Options



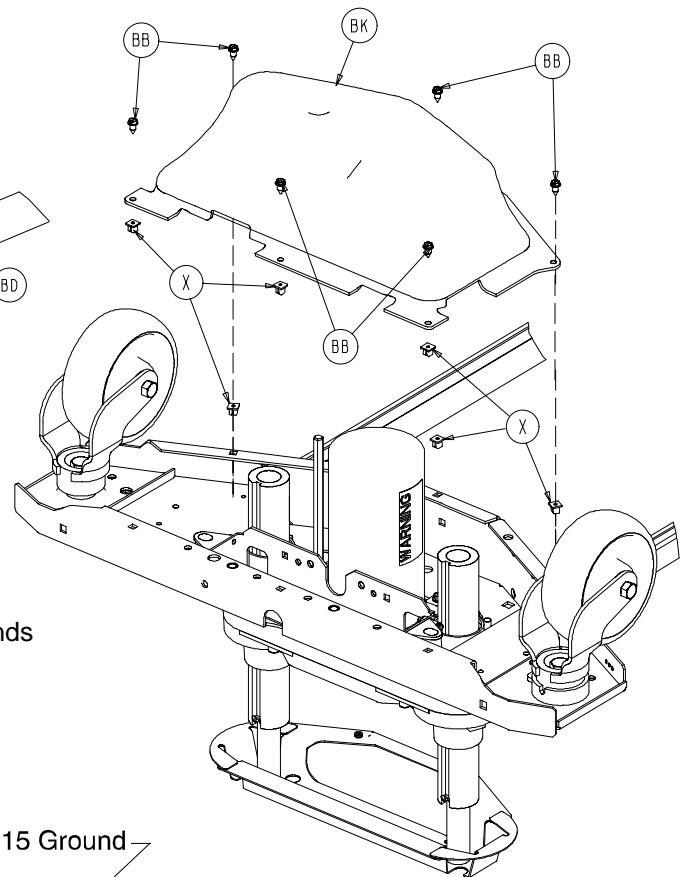
## Base Assembly and Options



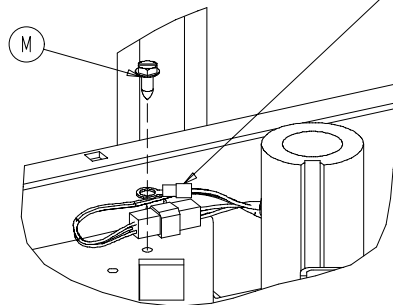
## Base Assembly and Options



Typical Both Ends



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



Typical Both Ends

## Base Assembly and Options

### Base Assembly Common Components – Part Number 3002–200–3 (Reference Only)

| Item | Part No.     | Part Name                     | Qty. |
|------|--------------|-------------------------------|------|
| A    | 3–121        | Hex Washer Hd. Screw          | 2    |
| B    | 3–122        | Hex Washer Hd. Screw          | 8    |
| C    | 3–333        | Hex Hd. Cap Screw             | 4    |
| D    | 7–52         | Truss Hd. Torx                | 4    |
| E    | 11–310       | Washer                        | 4    |
| F    | 11–333       | Flat Washer                   | 4    |
| G    | 11–417       | Washer                        | 4    |
| H    | 16–2         | Nylock Nut                    | 8    |
| J    | 16–98        | Hex Flange Nut                | 8    |
| K    | 16–104       | Nylock Nut                    | 4    |
| L    | 18–36        | Plastic Clip Nut              | 4    |
| M    | 23–25        | Hex Washer Hd. Screw          | 2    |
| N    | 26–14        | Roll Pin                      | 4    |
| P    | 38–151       | Cable Tie                     | 4    |
| R    | 3002–200–316 | Brake Track Roller            | 1    |
| S    | 3000–200–305 | Brake Shaft Bushing, Right    | 2    |
| T    | 3000–200–328 | Brake Guide Bushing           | 4    |
| U    | 3000–200–331 | Brake Shaft Bushing, Left     | 2    |
| W    | 3000–200–343 | Brake Switch Bracket          | 1    |
| X    | 3000–300–2   | Plastic Clip Nut              | 12   |
| Y    | 3000–300–58  | Plunger Switch                | 1    |
| Z    | 3000–300–113 | 8" Cable Tie                  | 6    |
| AA   | 3001–200–14  | Edge Strip                    | 8    |
| AB   | (page 10–11) | Head End Lift Assembly        | 1    |
| AC   | (page 10–11) | Foot End Lift Assembly        | 1    |
| AD   | 3001–200–306 | Brake Pedal Shaft Bearing     | 4    |
| AE   | 3001–200–317 | Brake Cam Shaft Bushing       | 4    |
| AF   | 3001–200–334 | Brake Return Extension Spring | 2    |
| AG   | (page 10–16) | Brake Shaft Assembly, Left    | 1    |
| AH   | (page 10–16) | Brake Shaft Assembly, Right   | 1    |
| AJ   | 3002–200–301 | Brake Ratchet Track           | 1    |
| AK   | 3002–200–302 | Brake Ratchet Link Assembly   | 1    |
| AL   | 3002–200–305 | Brake Ratchet Crank, Left     | 1    |
| AM   | 3002–200–306 | Brake Ratchet Crank, Right    | 1    |
| AN   | 3002–200–307 | Brake Latch Spring            | 1    |
| AP   | 3002–200–308 | Brake Ratchet Crank Pin       | 1    |
| AR   | 3002–200–311 | Brake Shaft                   | 2    |
| AS   | 3002–201–312 | Brake Cam                     | 2    |
| AT   | 3002–200–313 | Brake Cam Spacer              | 1    |
| AU   | 3002–200–314 | Brake Mounting Bracket        | 2    |
| AW   | (page 10–17) | Brake Crank Assembly          | 2    |
| AX   | (page 10–18) | Brake Bar Assembly            | 2    |
| AY   | 3000–200–349 | Special Narrow Washer         | 2    |
| AZ   | 3000–300–115 | Stand–Off                     | 1    |

## Base Assembly and Options

### Base Assembly, Epic Bed – Part Number 2030–246–3 (Reference Only)

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| AB   | (page 10–11) | Head End Lift Assembly | 1    |
| AC   | (page 10–11) | Foot End Lift Assembly | 1    |
| BB   | 23–25        | Hex Washer Hd. Screw   | 13   |
| BC   | 23–264       | Truss Hd. Screw        | 2    |
| BD   | 52–800       | Mounting Standoff      | 2    |
| BE   | 988–2–708    | Caution Label          | 2    |
| BF   | 3000–200–9   | Uni–Pan Cover          | 2    |
| BG   | 3000–200–601 | Brake Pedal Label      | 2    |
| BH   | 3000–200–602 | Stryker Logo Label     | 2    |
| BK   | 3001–200–22  | Bottom Cover           | 2    |
| BL   | 3002–200–102 | Base Weldment          | 1    |
| GA   | 2030–000–101 | Bellows                | 2    |

### Base Assembly, Zoom ICU Option – Part Number 2040–244–3 (Reference Only)

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| AB   | (page 10–11) | Head End Lift Assembly     | 1    |
| AC   | (page 10–11) | Foot End Lift Assembly     | 1    |
| BL   | 3002–200–102 | Base Weldment              | 1    |
| CA   | 3000–300–115 | Stand–Off                  | 1    |
| CB   | 13–18        | External Tooth Lock Washer | 1    |
| CD   | 715–1–156    | Ground Chain               | 1    |
| CE   | 2025–31–805  | Ground Strap               | 1    |
| CF   | 3000–200–343 | Brake Switch Bracket       | 1    |
| CG   | 3000–300–58  | Switch Plunger             | 1    |
| CH   | 3001–200–306 | Brake Pedal Shaft Bearing  | 2    |
| GA   | 2030–000–101 | Bellows                    | 2    |

### Base Assembly, 6” Caster Option – Part Number 3001–999–138 (Reference Only)

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| FA   | 715–1–156    | Ground Chain             | 1    |
| FB   | (page 10–20) | 6” Steer Caster Assembly | 1    |
| FC   | (page 10–19) | 6” Caster Assembly       | 3    |

### Base Assembly, 8” Caster Option – Part Number 3001–999–139 (Reference Only)

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| FA   | 715–1–156    | Ground Chain             | 1    |
| FB   | (page 10–23) | 8” Steer Caster Assembly | 1    |
| FC   | (page 10–22) | 8” Caster Assembly       | 3    |
| FD   | 2025–1–47    | Caster Cover, Right      | 4    |
| FE   | 2025–1–48    | Caster Cover, Left       | 1    |

## Base Assembly and Options

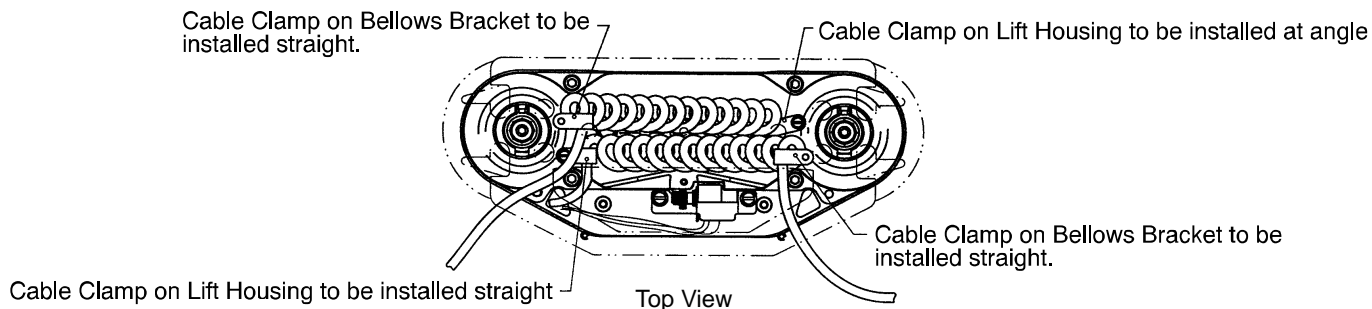
### Base Assembly, Steer Option – Part Number 3001–999–137 (Reference Only)

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| EA   | 3–349        | Hex Hd. Cap Screw         | 1    |
| EB   | 5–16         | Carriage Bolt             | 1    |
| EC   | 16–11        | Nylock Nut                | 1    |
| ED   | 23–92        | Truss Phillips Hd. Screw  | 4    |
| EE   | 30–52        | Snap Bushing              | 2    |
| EF   | 38–414       | Pedal Extension Spring    | 1    |
| EG   | 38–416       | Lever Extension Spring    | 1    |
| EH   | 45–8         | O–Ring                    | 1    |
| EJ   | 52–305       | 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   | 5000–90–13   | Steer Label               | 1    |

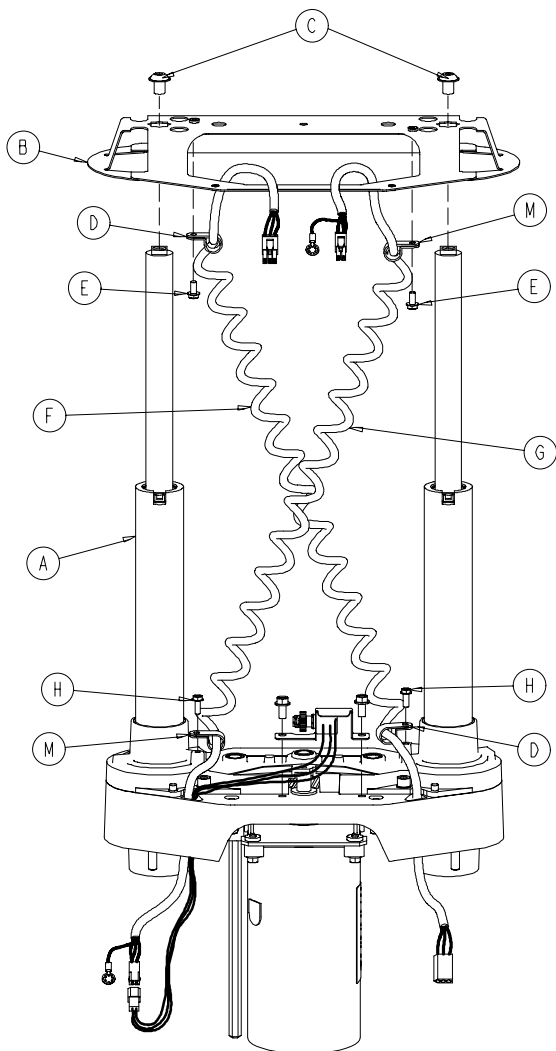
### Base Assembly, Epic+ Steer Option – Part Number 2030–999–137 (Reference Only)

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| EA   | 3–349        | Hex Hd. Cap Screw         | 1    |
| EB   | 5–16         | Carriage Bolt             | 1    |
| EC   | 16–36        | Nylock Nut                | 1    |
| ED   | 23–92        | Truss Phillips Hd. Screw  | 4    |
| EE   | 30–52        | Snap Bushing              | 2    |
| EF   | 38–414       | Pedal Extension Spring    | 1    |
| EG   | 38–416       | Lever Extension Spring    | 1    |
| EH   | 45–8         | O–Ring                    | 1    |
| EJ   | 52–305       | Brass Flat Washer         | 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   | 2030–200–1   | Steer Pedal Assembly      | 1    |
| EY   | 5000–90–13   | Steer Label               | 1    |

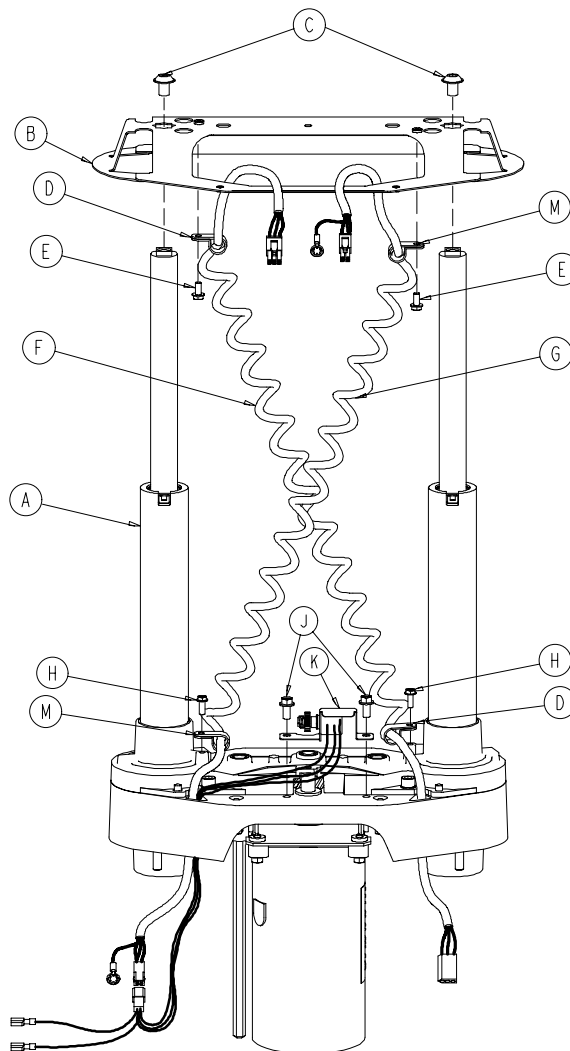
## Lift Assembly, Head and Foot End



3001-200-251 (Foot – Standard Height)  
2040-243-250 (Foot – Enhanced Height)

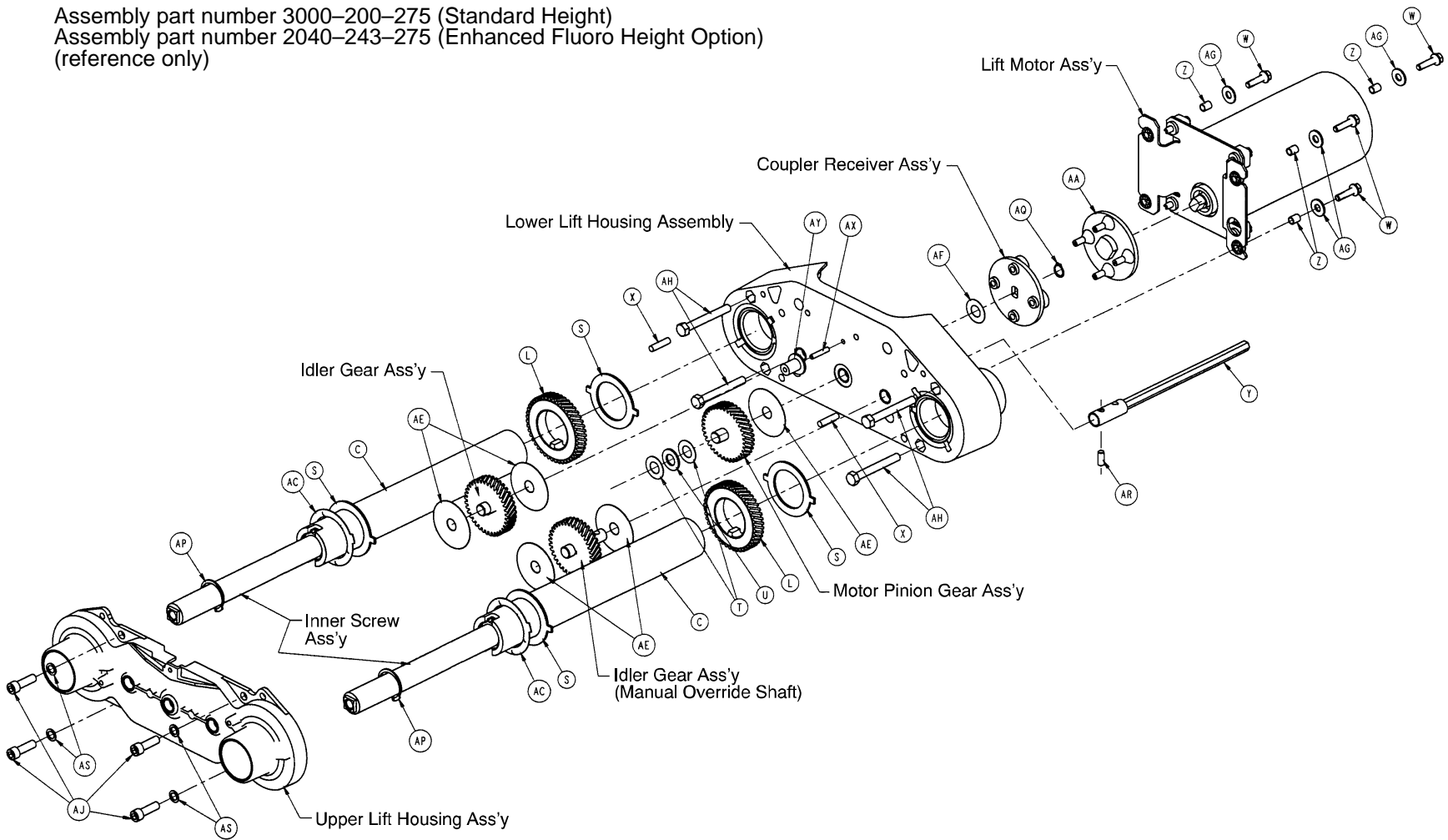


3001-200-201 (Head – Standard Height)  
2040-243-200 (Head – Enhanced Height)

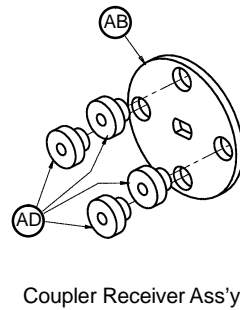
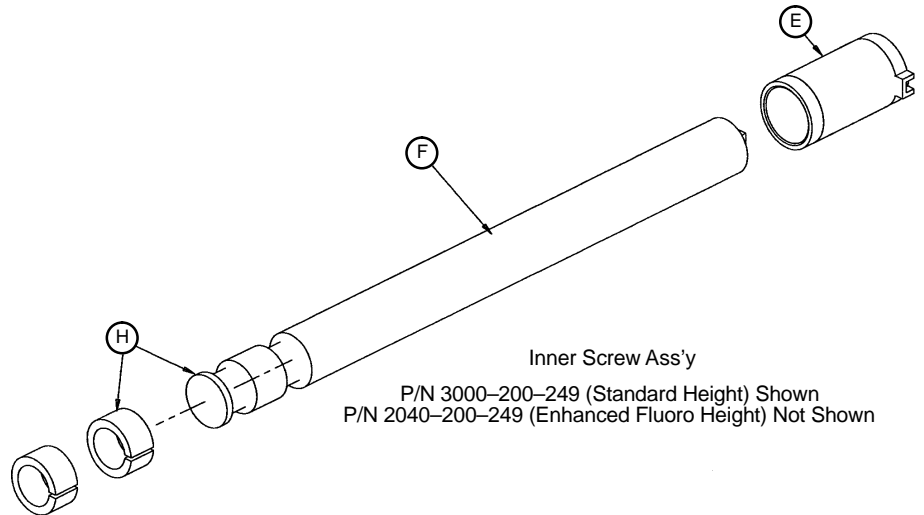
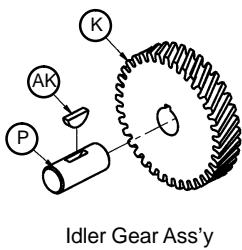
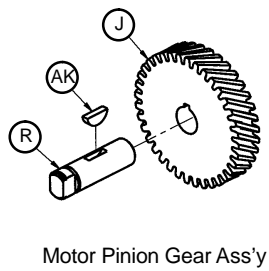
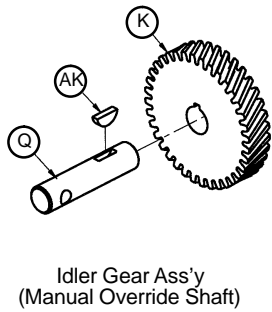
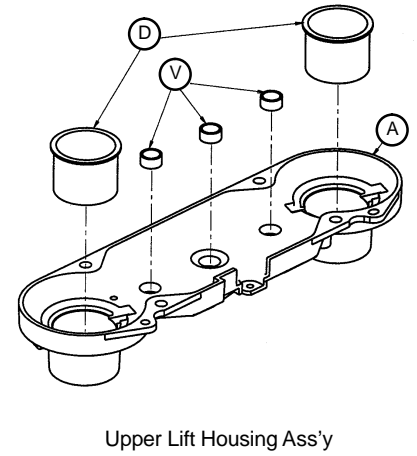
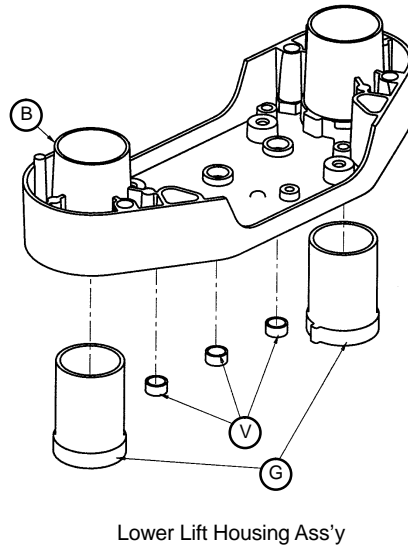
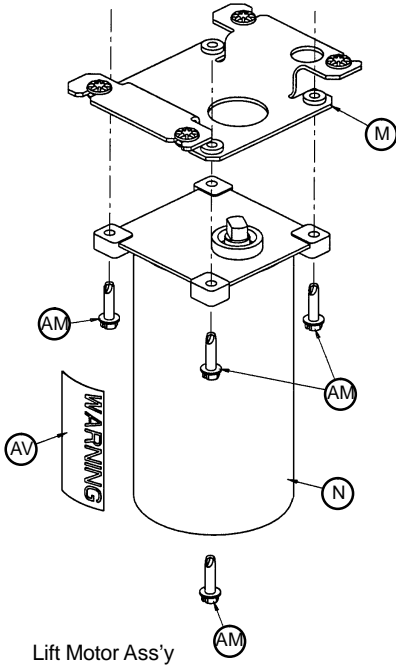


| Item | Part No.     | Part Name              | Qty. | Item | Part No.     | Part Name            | Qty. |
|------|--------------|------------------------|------|------|--------------|----------------------|------|
| A    | (page 10-12) | Common Lift Assembly   | 1    | G    | 3001-200-815 | Sensor Coil Cord     | 1    |
| B    | 3000-200-52  | Bellows Bracket        | 1    | H    | 3-128        | Hex Washer Hd. Screw | 2    |
| C    | 4-245        | Flanged But. Hd. Screw | 2    | J    | 3-121        | Hex Washer Hd. Screw | 2    |
| D    | 34-22        | Cord Clamp             | 2    | K    | 3001-200-240 | Head End Pot. Ass'y  | 1    |
| E    | 3-123        | Hex Washer Hd. Screw   | 2    | M    | 3001-200-230 | Foot End Pot. Ass'y  | 1    |
| F    | 3001-200-864 | Power Coil Cord        | 1    |      | 34-381       | Cord Clamp           | 2    |

Assembly part number 3000-200-275 (Standard Height)  
 Assembly part number 2040-243-275 (Enhanced Fluoro Height Option)  
 (reference only)



## Lift Assembly (Common)

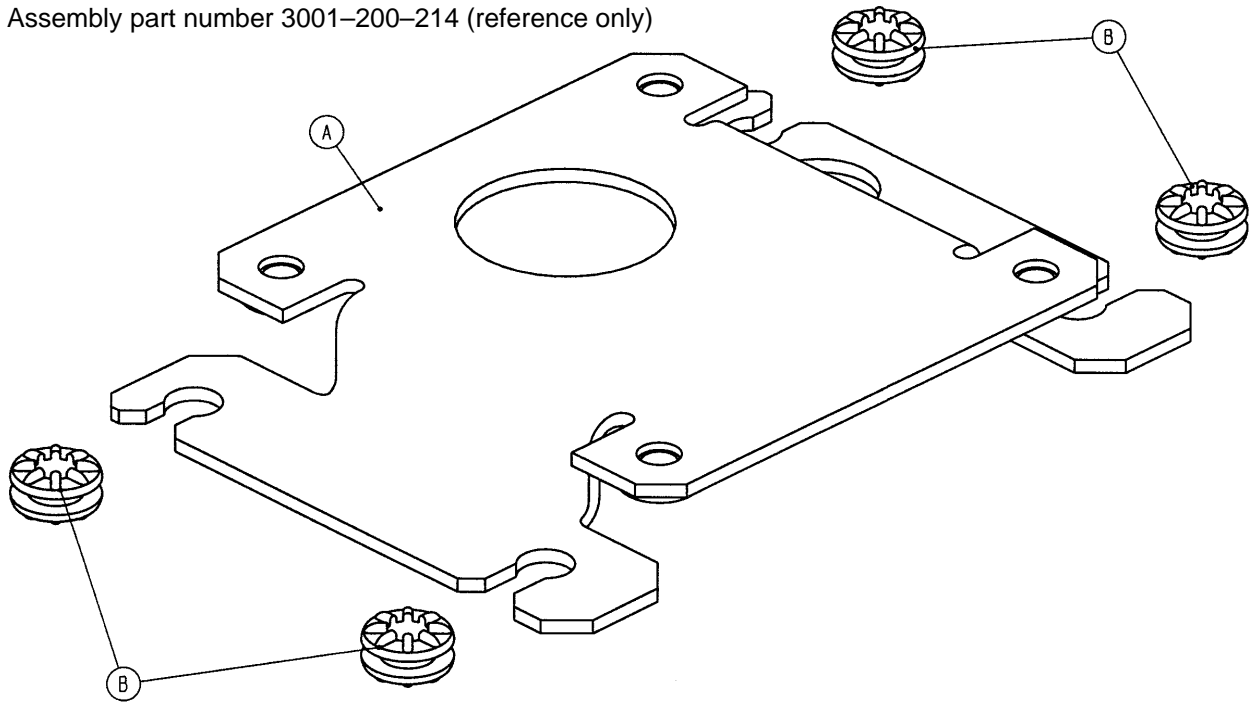


## Lift Assembly (Common)

| 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, Standard Height | 2    |
|      | 2040–200–249 | Inner Screw, Enhanced Height | 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    | (page 10–15) | Motor Isolation Plate Ass'y  | 1    |
| N    | 3000–200–213 | Lift Motor                   | 1    |
|      | 3221–200–213 | 230V Lift Motor              | 1    |
| P    | 3000–200–218 | Idler Shaft, Lift            | 1    |
| Q    | 3000–200–219 | 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    | 81–212       | Thrust Needle Roller Brg.    | 1    |
| V    | 3000–200–226 | Pinion Shaft Bushing         | 6    |
| W    | 3001–200–228 | Mounting Standoff            | 4    |
| X    | 26–231       | Dowel Pin                    | 2    |
| Y    | 3001–200–235 | Man. Override Shaft Ass'y    | 1    |
| Z    | 3001–300–19  | 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   | 11–408       | Flat Washer                  | 4    |
| AH   | 3–82         | Hex Hd. Cap Screw            | 4    |
| AJ   | 4–213        | Soc. Hd. Cap Screw           | 4    |
| AK   | 58–44        | Woodruff Key                 | 3    |
| AM   | 3–331        | Hex Washer Hd. Screw         | 4    |
| AP   | 28–121       | Retaining Ring               | 2    |
| AQ   | 28–97        | Retaining Ring               | 1    |
| AR   | 26–178       | Roll Pin                     | 1    |
| AS   | 11–308       | Serrated Belleville Washer   | 4    |
| AV   | 3000–300–604 | Warning Label                | 1    |
| AX   | 3000–200–239 | Pot. Drive Gear Shaft        | 1    |
| AY   | 3000–200–216 | Potentiometer Drive Gear     | 1    |

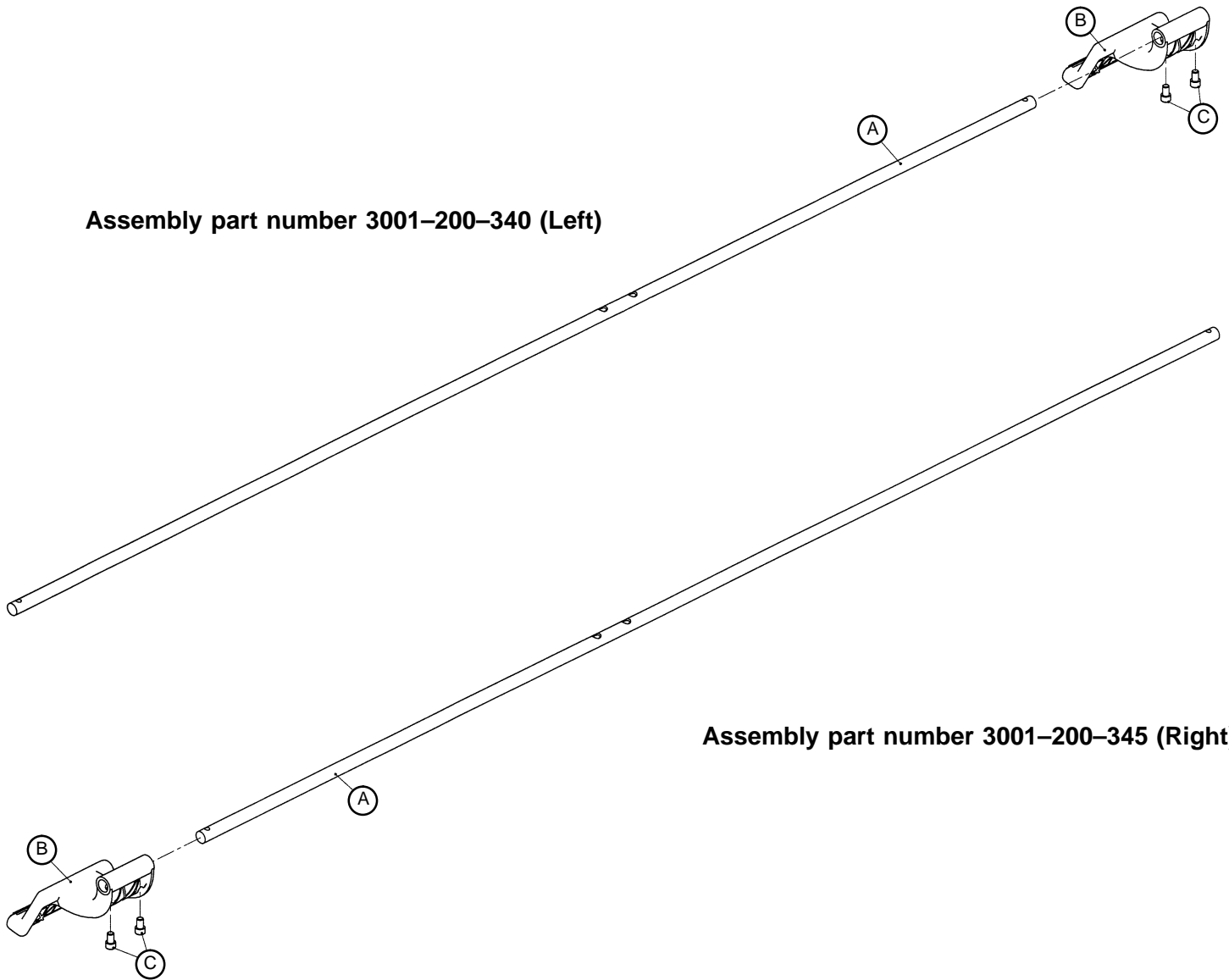
**3000–200–723 Isolation Plate Assembly**

Assembly part number 3001–200–214 (reference only)



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

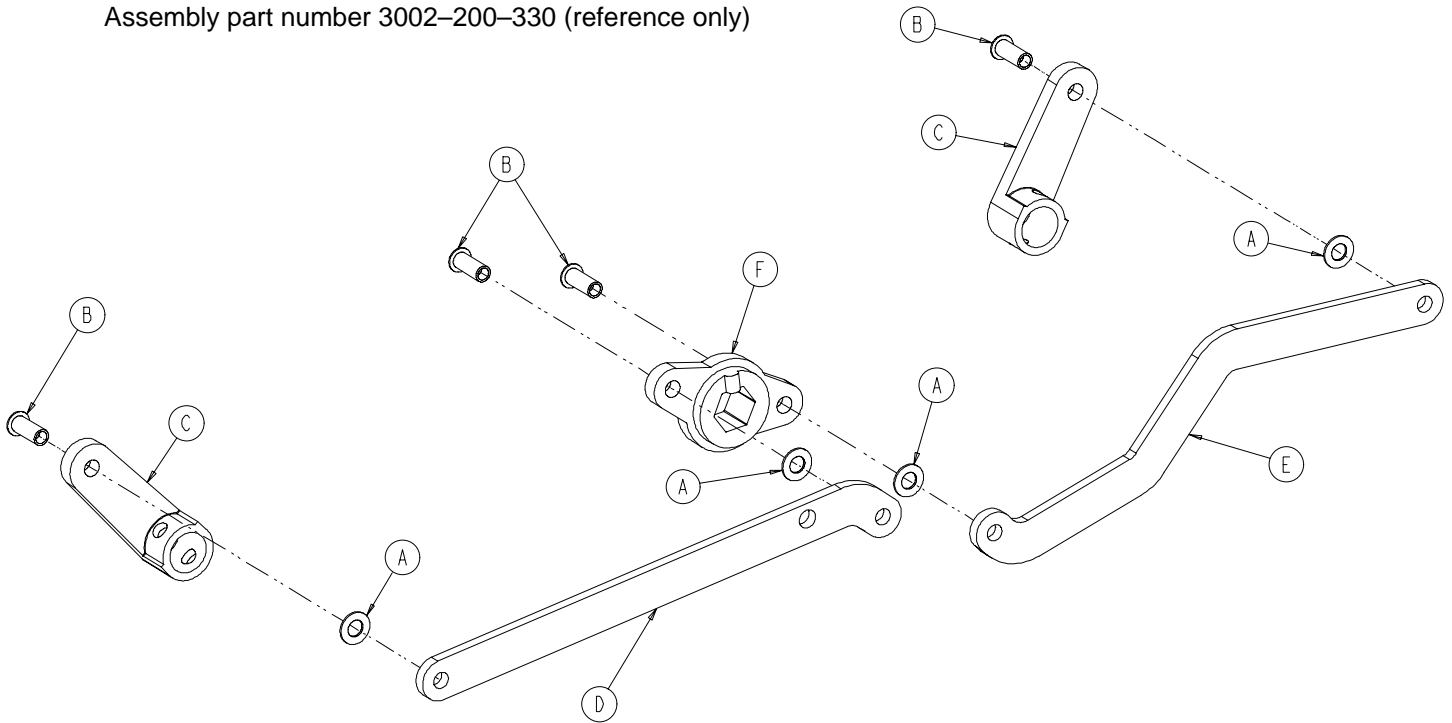
# Brake Shaft Assembly, Left and Right



| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| A    | 3000-200-314 | Brake Shaft        | 1    |
| B    | 3001-200-325 | Brake Pedal        | 1    |
| C    | 4-270        | Soc. Hd. Cap Screw | 2    |

## Brake Crank Assembly

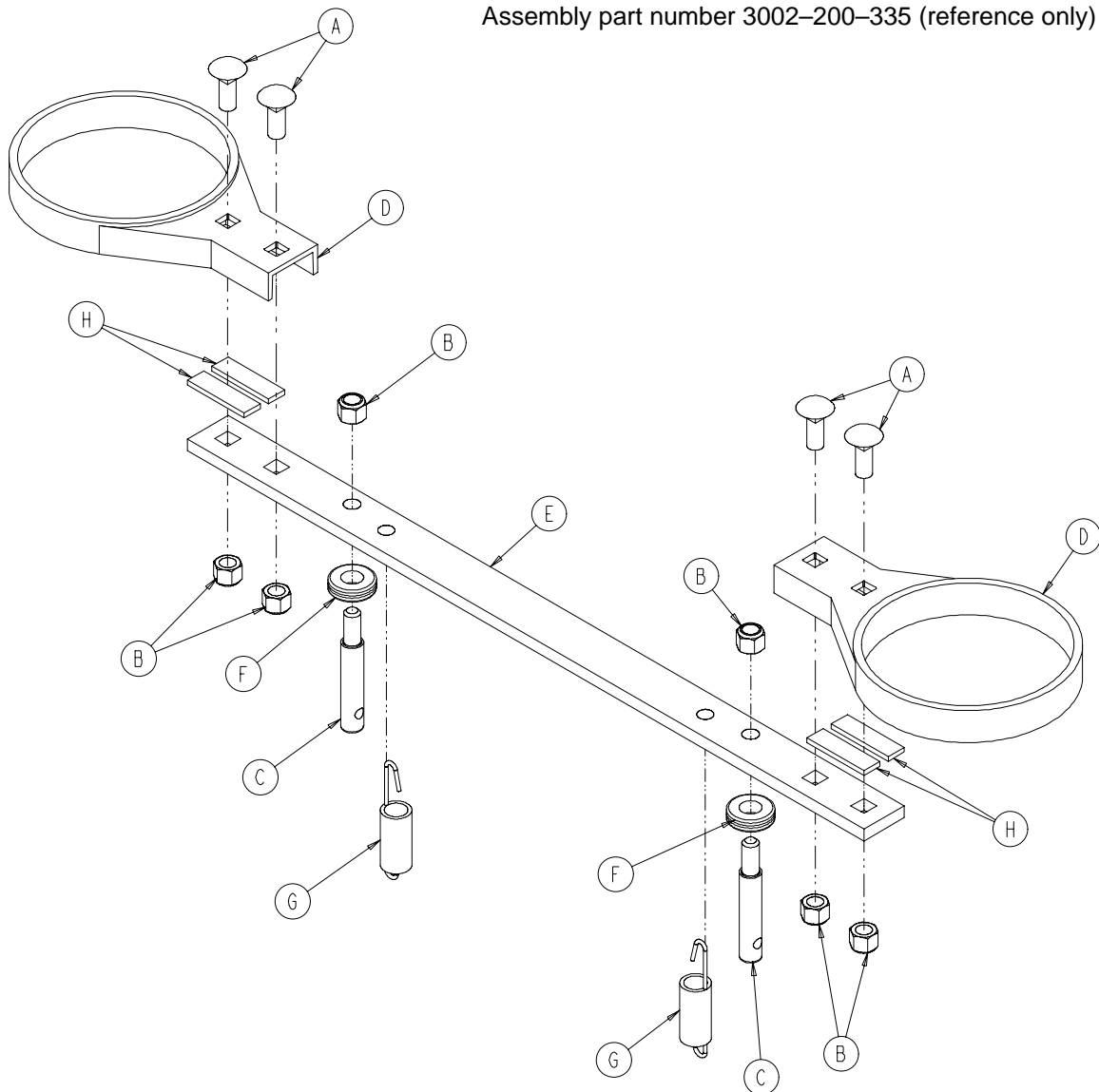
Assembly part number 3002-200-330 (reference only)



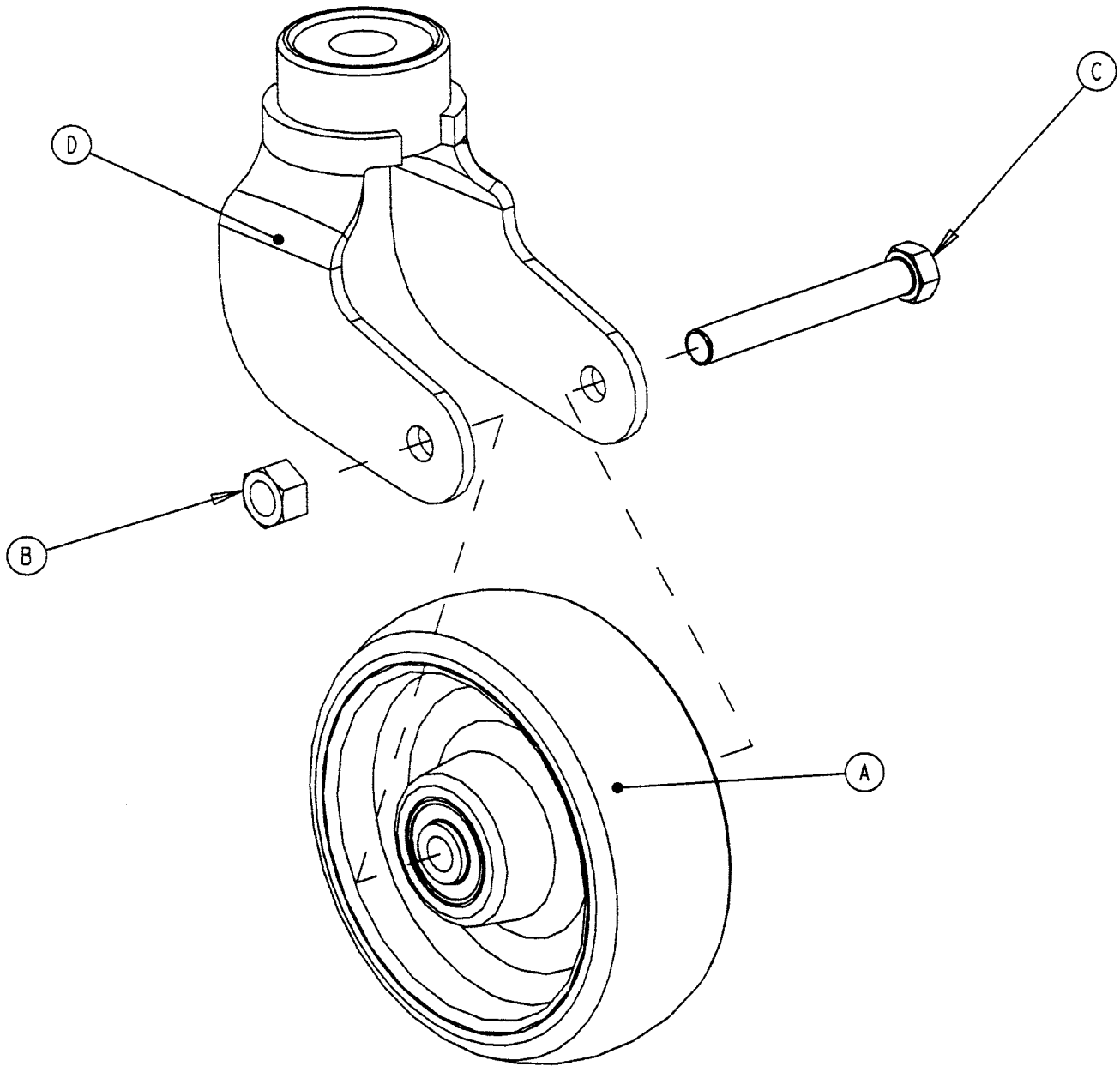
| Item | Part No.     | Part Name          | Qty. |
|------|--------------|--------------------|------|
| A    | 14-4         | Washer             | 4    |
| B    | 25-146       | Semi-Tubular Rivet | 4    |
| C    | 3000-200-302 | Brake Shaft Crank  | 2    |
| D    | 3001-200-311 | Brake Link         | 1    |
| E    | 3001-200-312 | Dog Leg Brake Link | 1    |
| F    | 3002-200-309 | Brake Crank        | 1    |

## Brake Bar Assembly

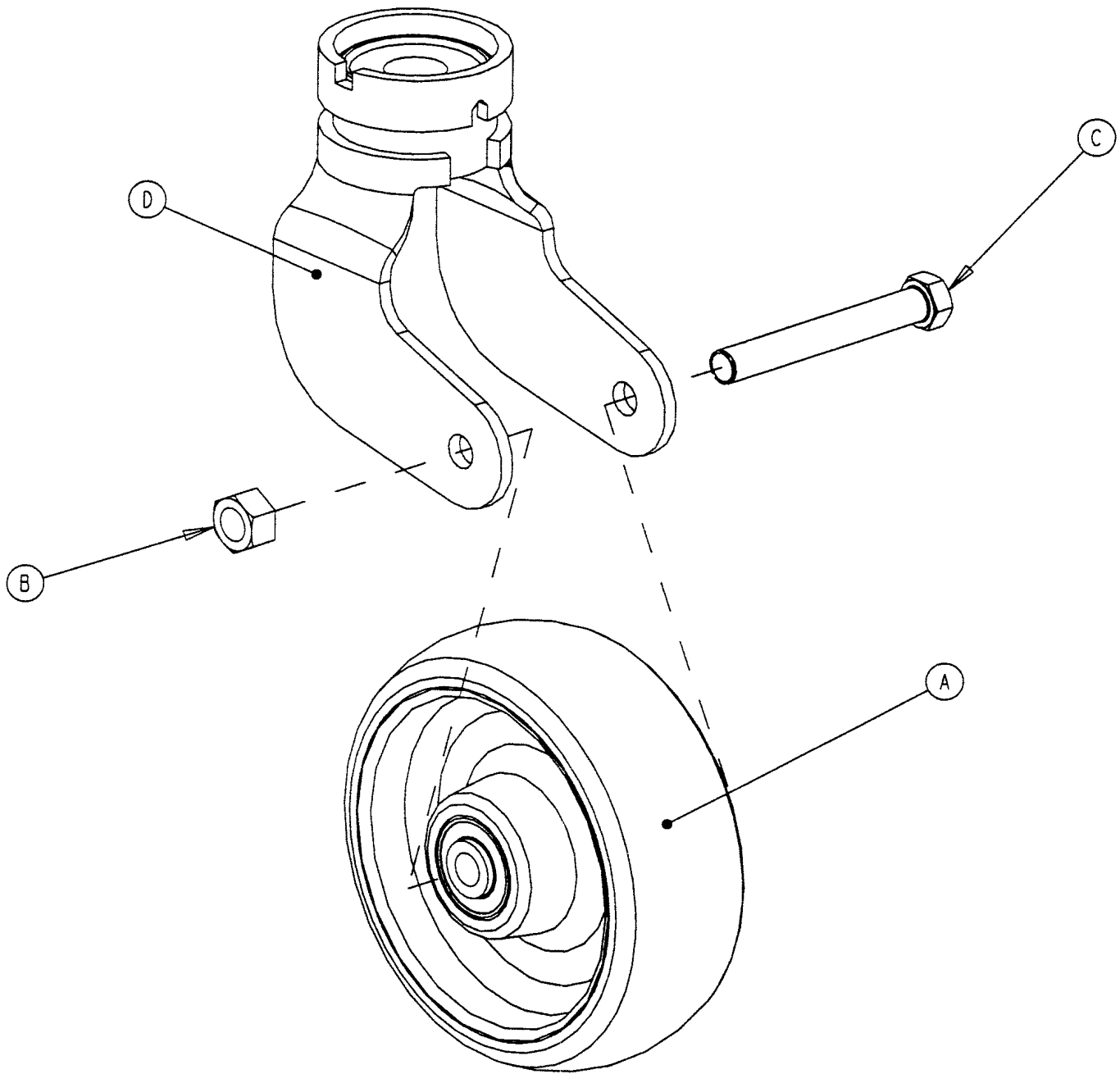
Assembly part number 3002–200–335 (reference only)



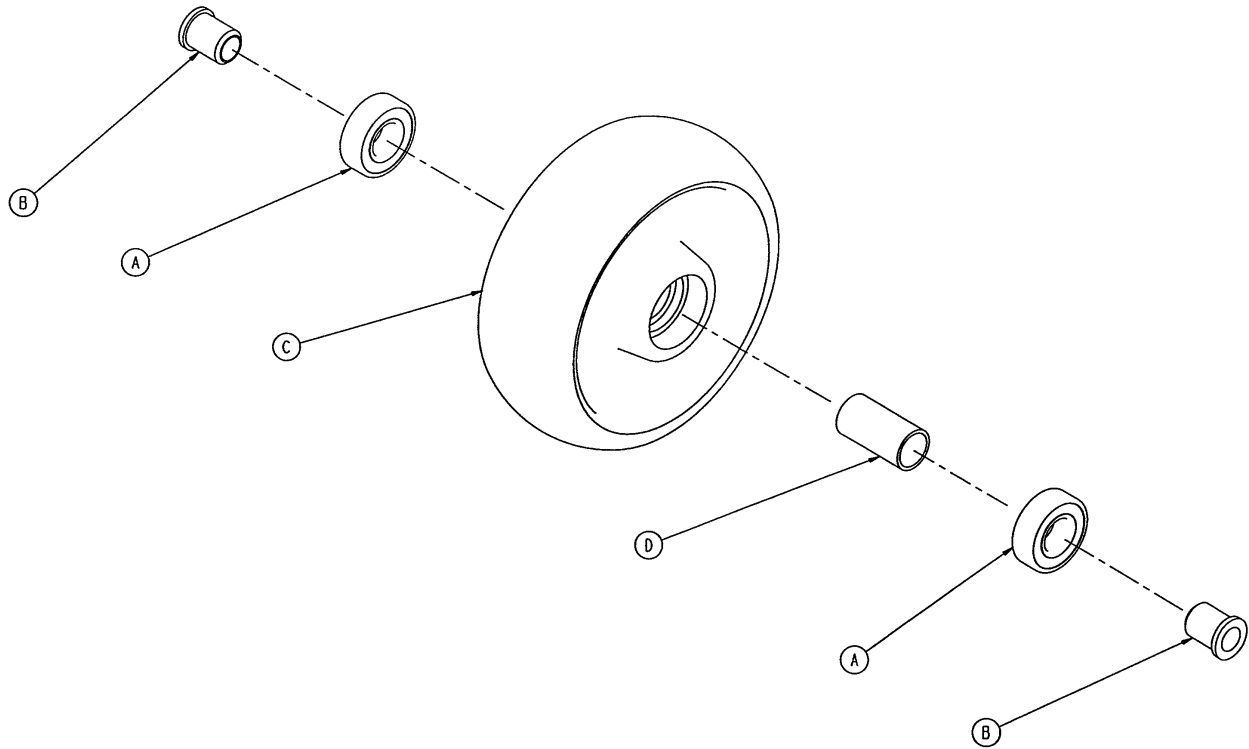
| Item | Part No.     | Part Name               | Qty.     |
|------|--------------|-------------------------|----------|
| A    | 5–18         | Carriage Bolt           | 4        |
| B    | 16–35        | Nylock Hex Nut          | 6        |
| C    | 3000–200–318 | Guide Pin               | 2        |
| D    | 3000–200–321 | Brake Ring              | 2        |
| E    | 3000–200–323 | Brake Bar               | 1        |
| F    | 3000–200–324 | Brake Bar Bumper        | 2        |
| G    | 3002–200–310 | Brake Bar Return Spring | 2        |
| H    | 7000–1–326   | Sealing Tape            | As Req'd |

**3001–200–60 6” Caster Assembly**

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | (page 10–21) | Wheel Assembly        | 1    |
| B    | 16–60        | Lock Nut              | 1    |
| C    | 3–342        | Hex Hd. Cap Screw     | 1    |
| D    | 3001–200–61  | Caster Horn w/Bearing | 1    |

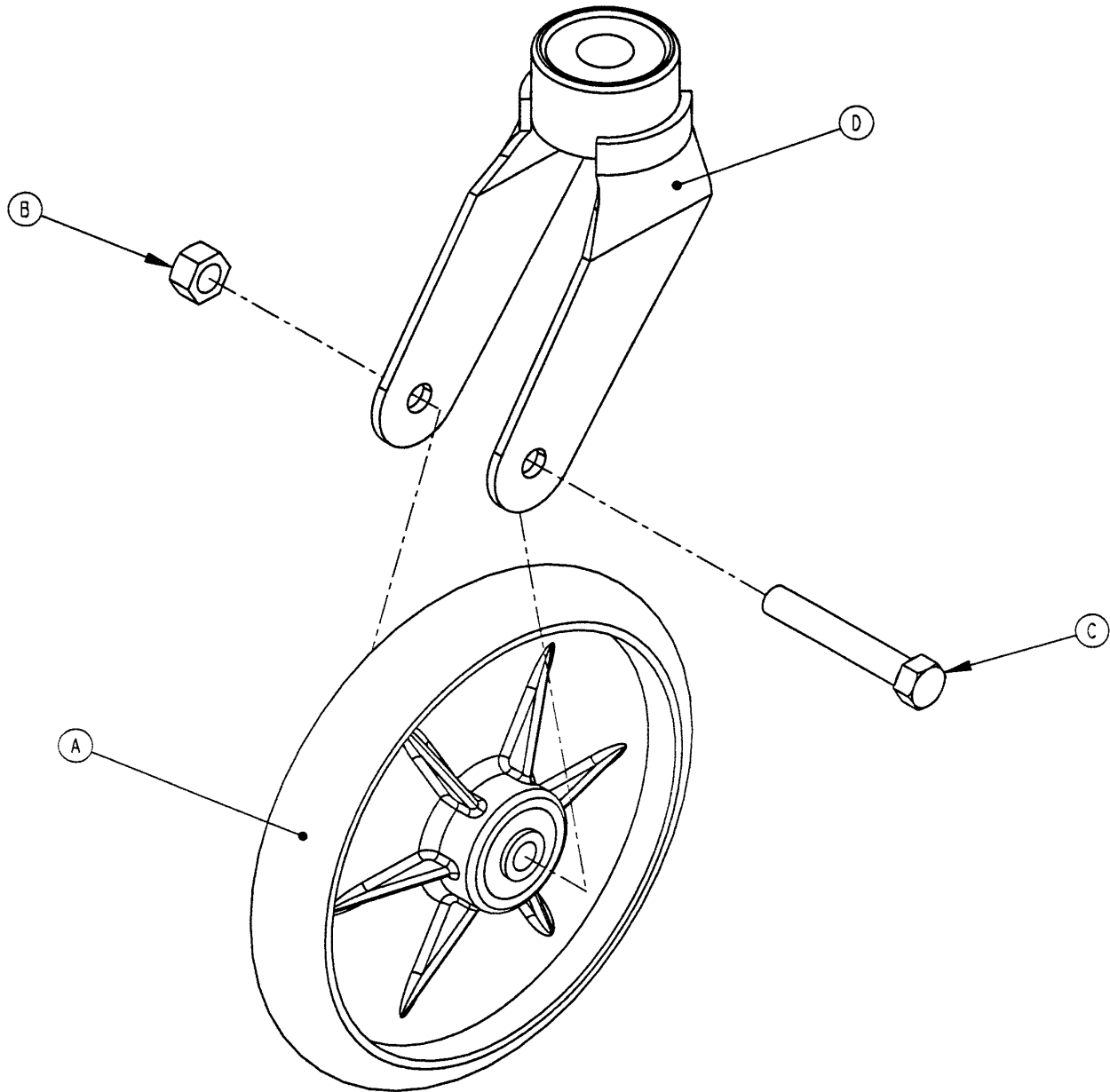
**3001–200–50 6” Steer Caster Assembly**

| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | (page 10–21) | Wheel Assembly              | 1    |
| B    | 16–60        | Lock Nut                    | 1    |
| C    | 3–342        | Hex Hd. Cap Screw           | 1    |
| D    | 3001–200–51  | Steer Caster Horn w/Bearing | 1    |

**5000–2–10 6” Molded Wheel Assembly**

| Item | Part No.  | Part Name      | Qty. |
|------|-----------|----------------|------|
| A    | 81–226    | Bearing        | 2    |
| B    | 715–1–255 | Wheel Bushing  | 2    |
| C    | 5000–2–20 | Molded Wheel   | 1    |
| D    | 6060–2–46 | Bearing Spacer | 1    |

## 3001–200–90 Optional 8” Caster Assembly

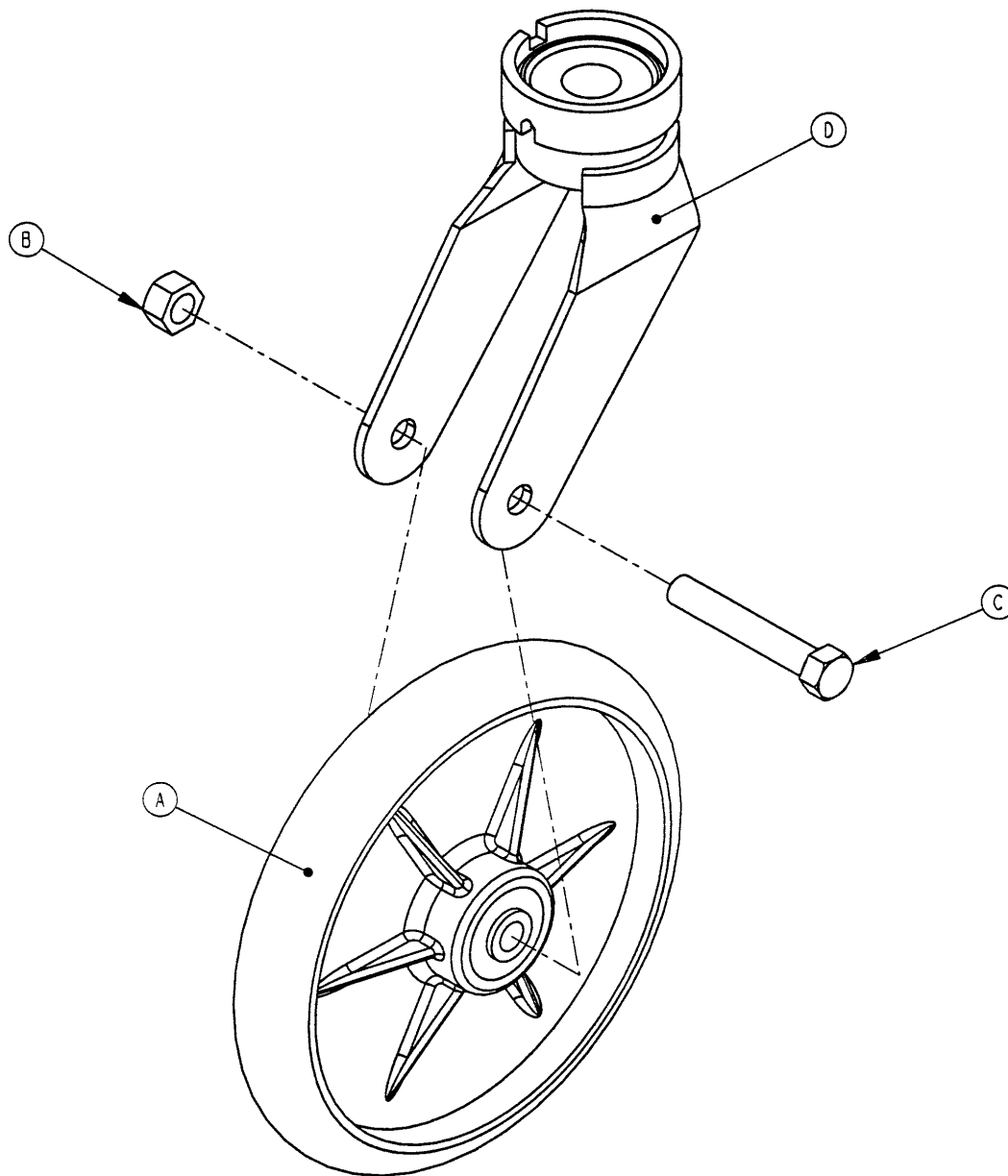


| Item | Part No.     | Part Name         | Qty. |
|------|--------------|-------------------|------|
| A    | (page 10–24) | Wheel Assembly    | 1    |
| B    | 16–60        | Hex Nut           | 1    |
| C    | 3–99         | Hex Hd. Cap Screw | 1    |
| D    | 3001–200–76  | Caster Horn       | 1    |

### NOTE

The hex head cap screw (item C) must be threaded through the caster horn in the direction shown to avoid damaging the plastic caster covers.

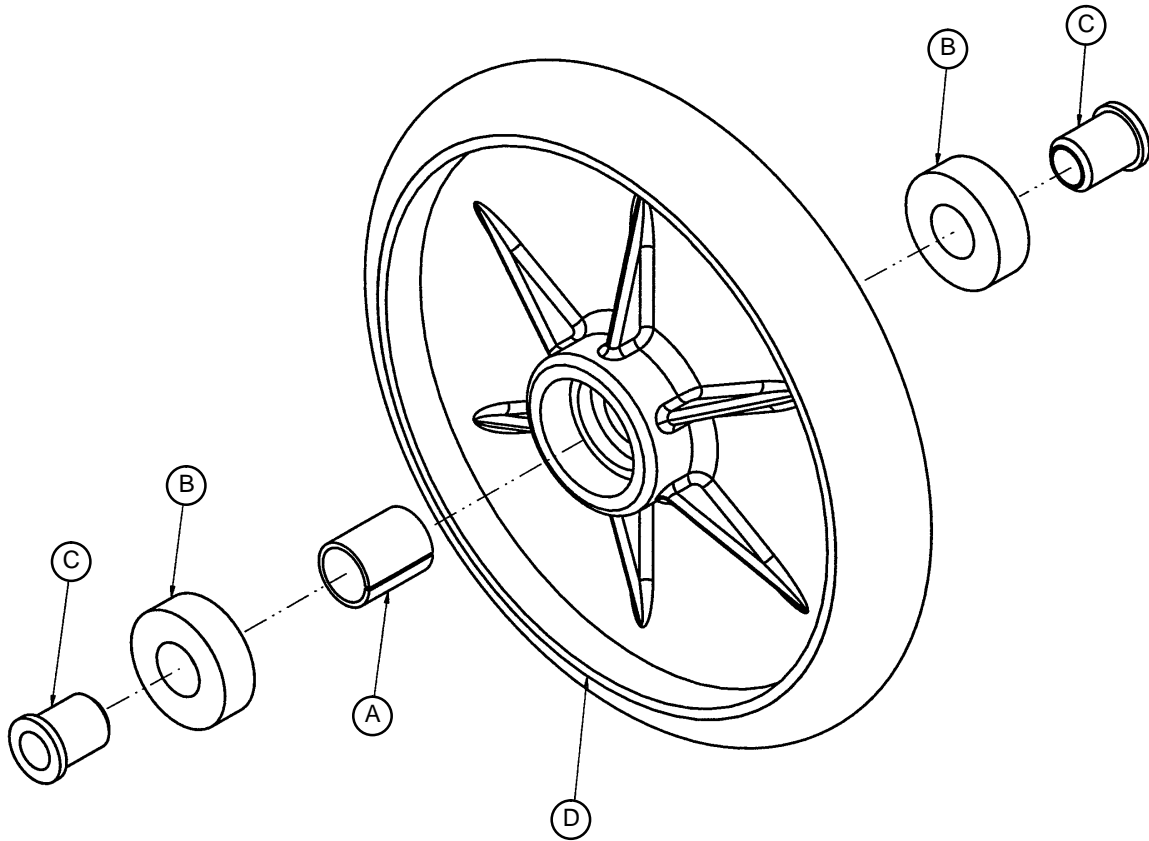
## 3001–200–80 Optional 8” Steer Caster Assembly



| Item | Part No.     | Part Name         | Qty. |
|------|--------------|-------------------|------|
| A    | (page 10–24) | Wheel Assembly    | 1    |
| B    | 16–60        | Hex Nut           | 1    |
| C    | 3–99         | Hex Hd. Cap Screw | 1    |
| D    | 3001–200–81  | Caster Horn       | 1    |

### NOTE

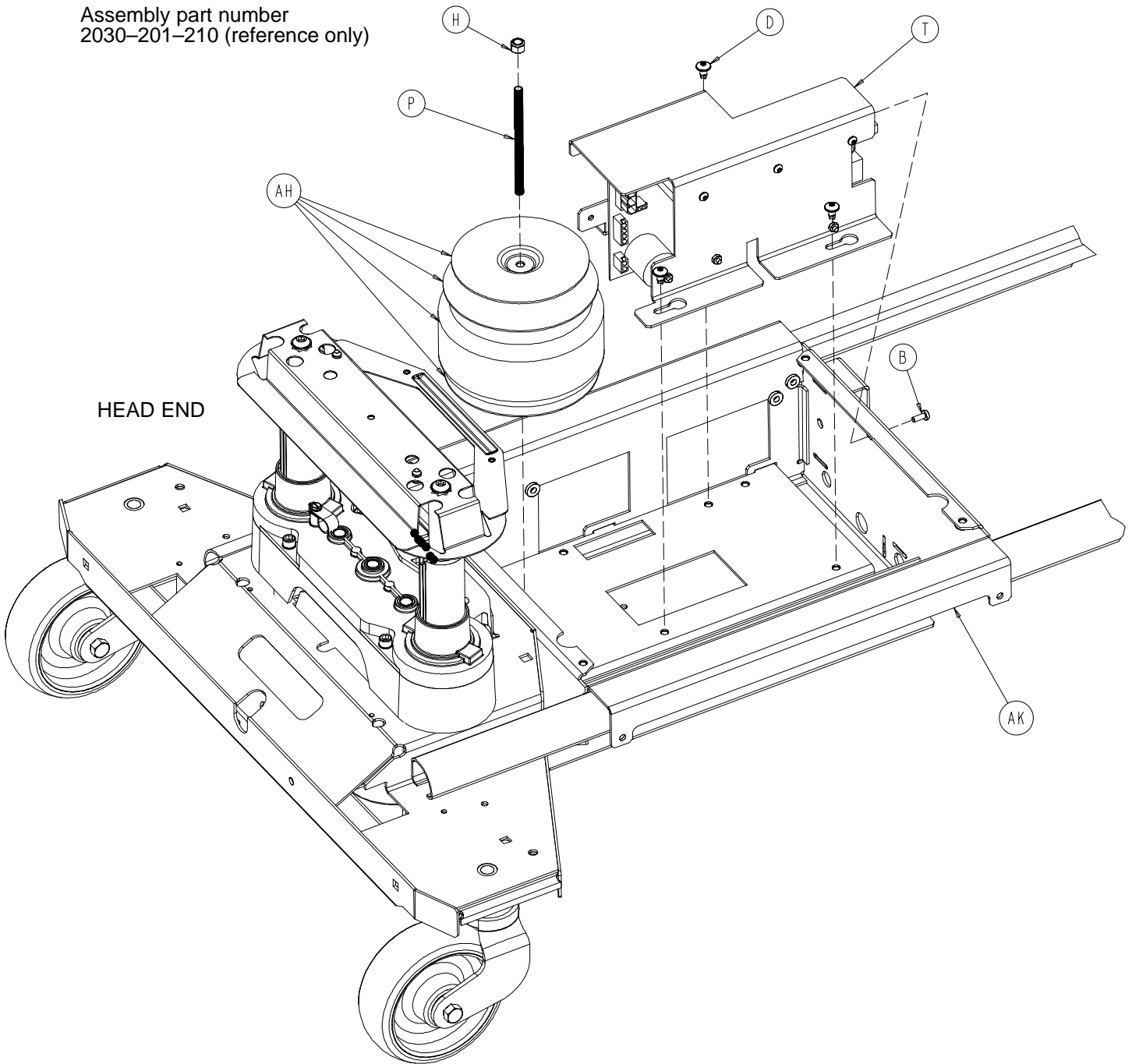
The hex head cap screw (item C) must be threaded through the caster horn in the direction shown to avoid damaging the plastic caster covers.

**2025-1-49 Optional 8" Wheel Assembly**

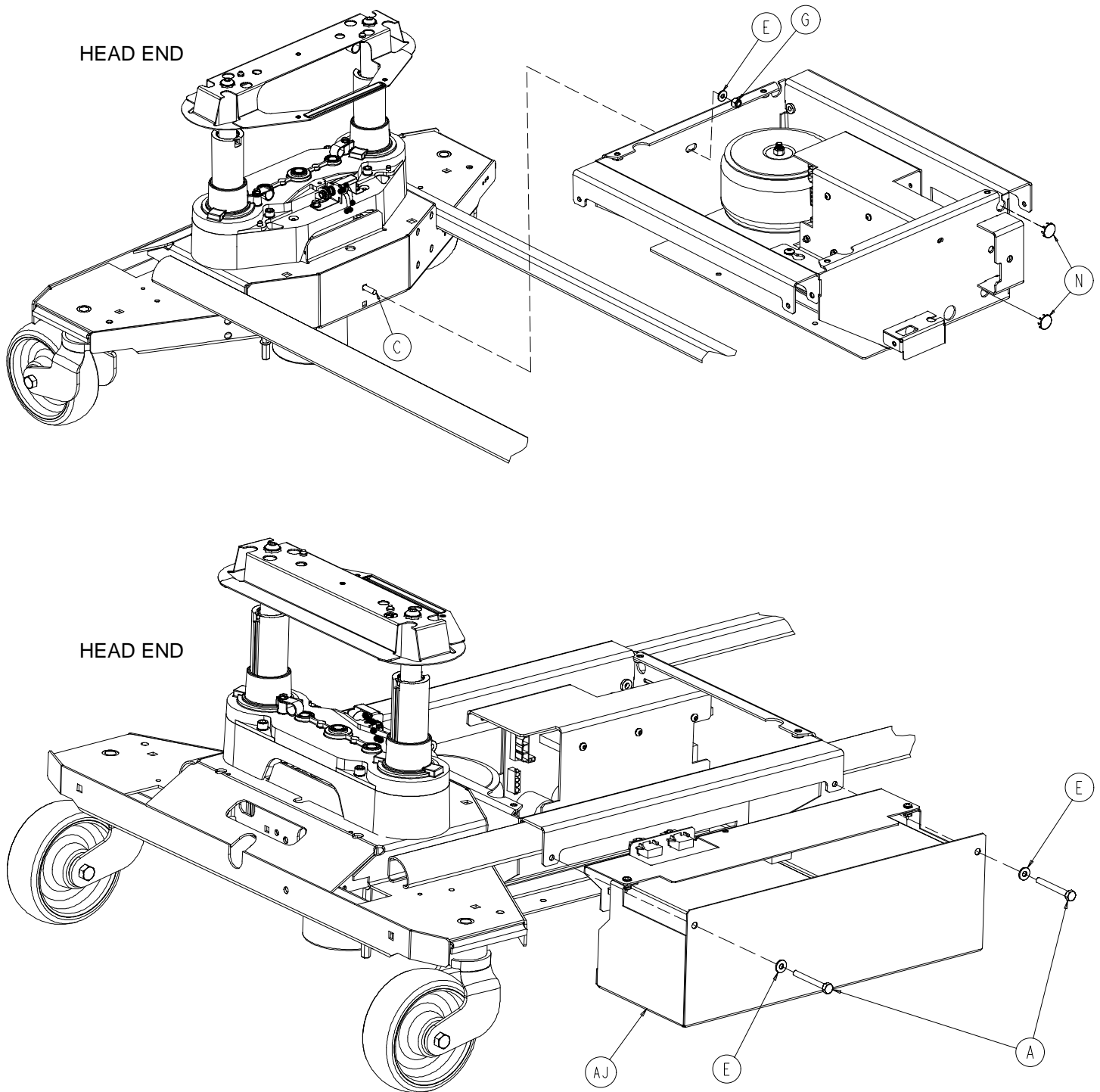
| Item | Part No.  | Part Name      | Qty. |
|------|-----------|----------------|------|
| A    | 52-503    | Bearing Spacer | 1    |
| B    | 81-226    | Bearing        | 2    |
| C    | 715-1-255 | Wheel Bearing  | 2    |
| D    | 2025-1-46 | Wheel          | 1    |

## Optional Epic+ Base Assembly

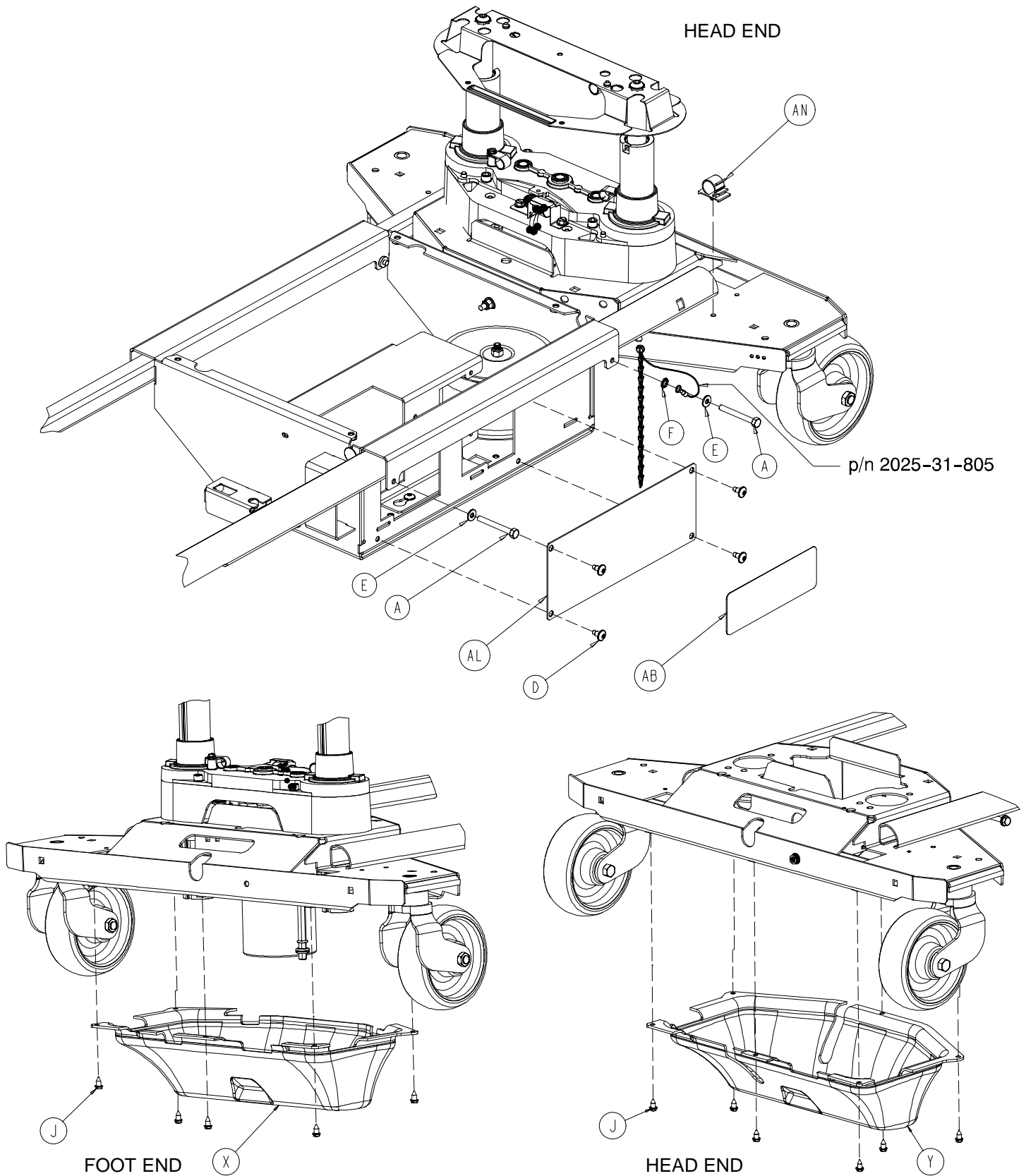
Assembly part number  
2030-201-210 (reference only)



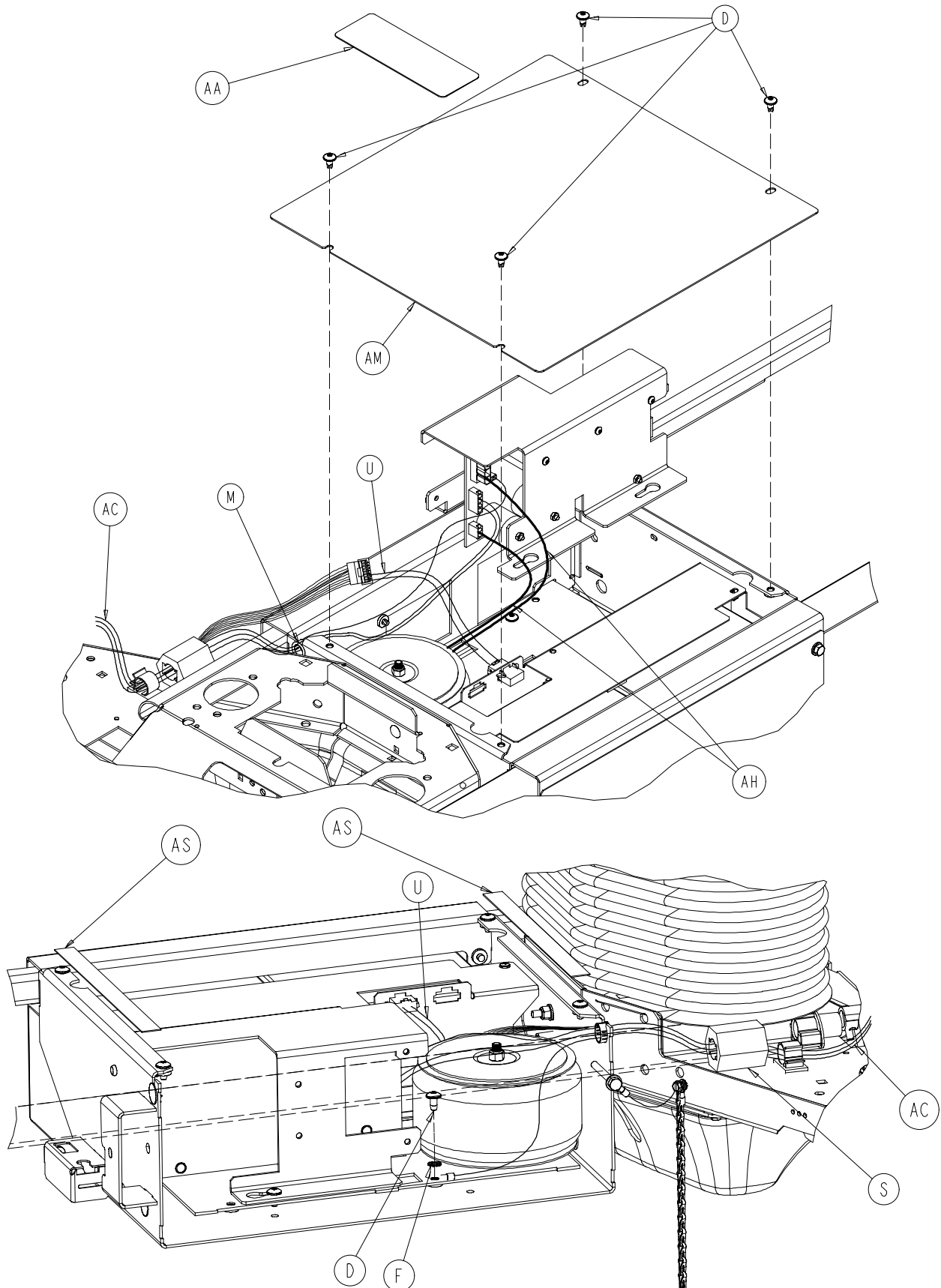
## Optional Epic+ Base Assembly



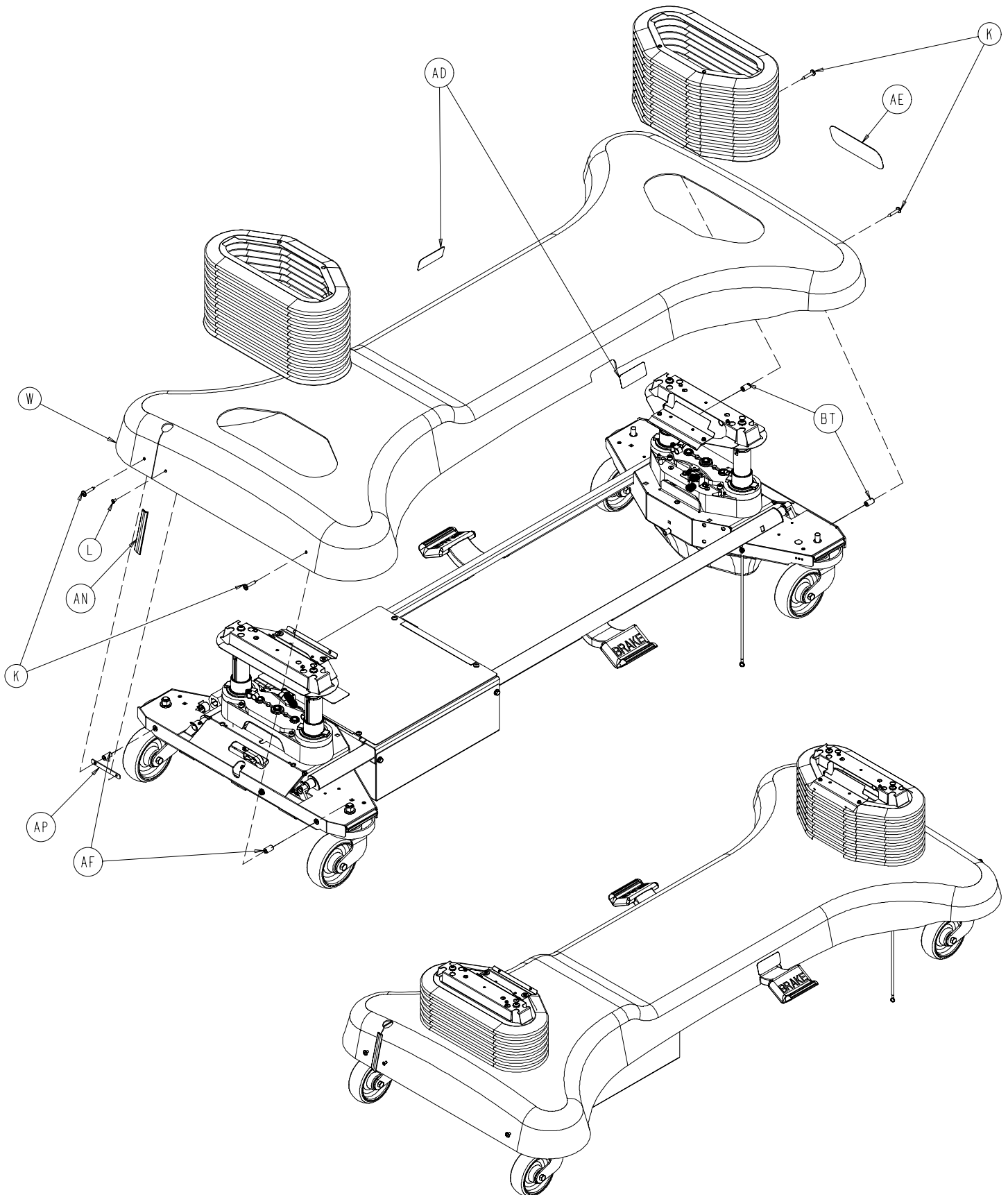
## Optional Epic+ Base Assembly



## Optional Epic+ Base Assembly



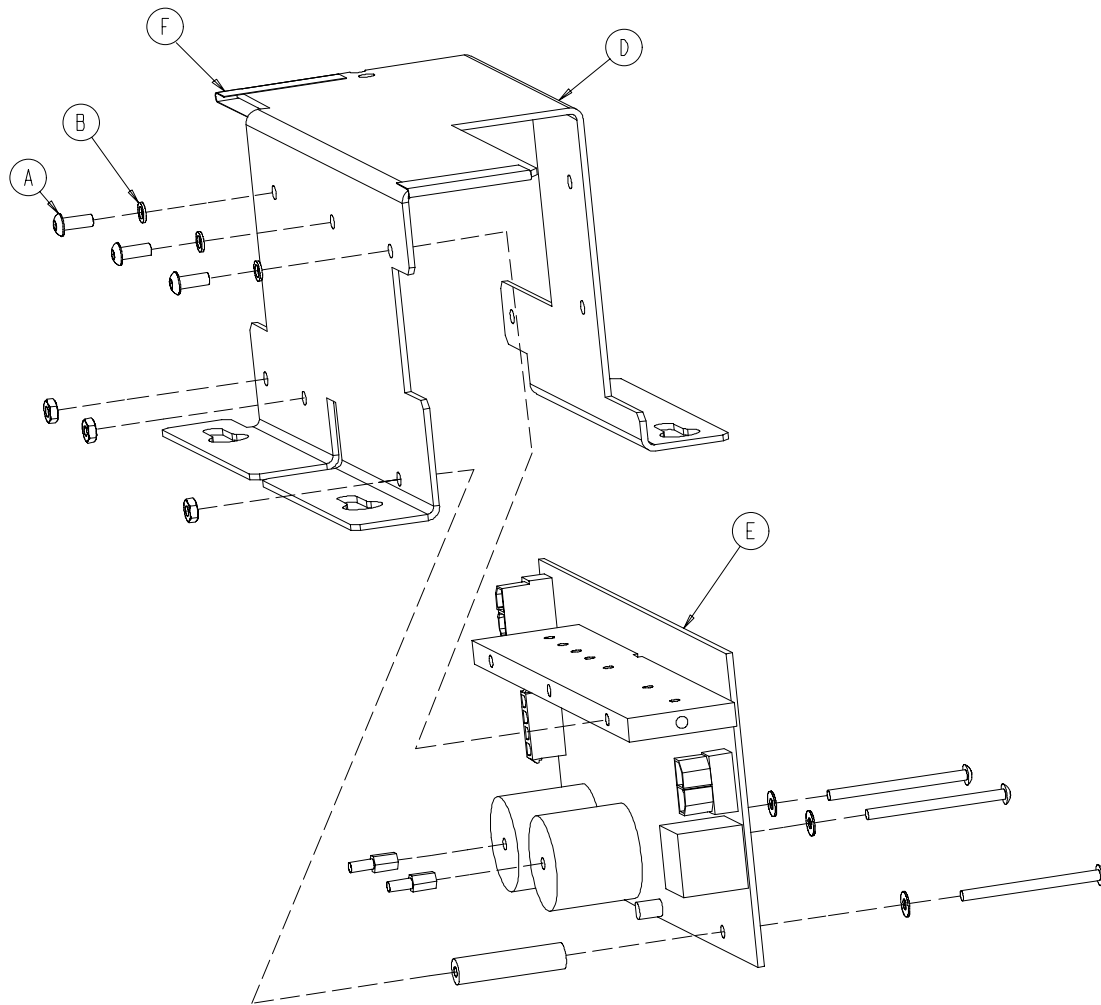
## Optional Epic+ Base Assembly



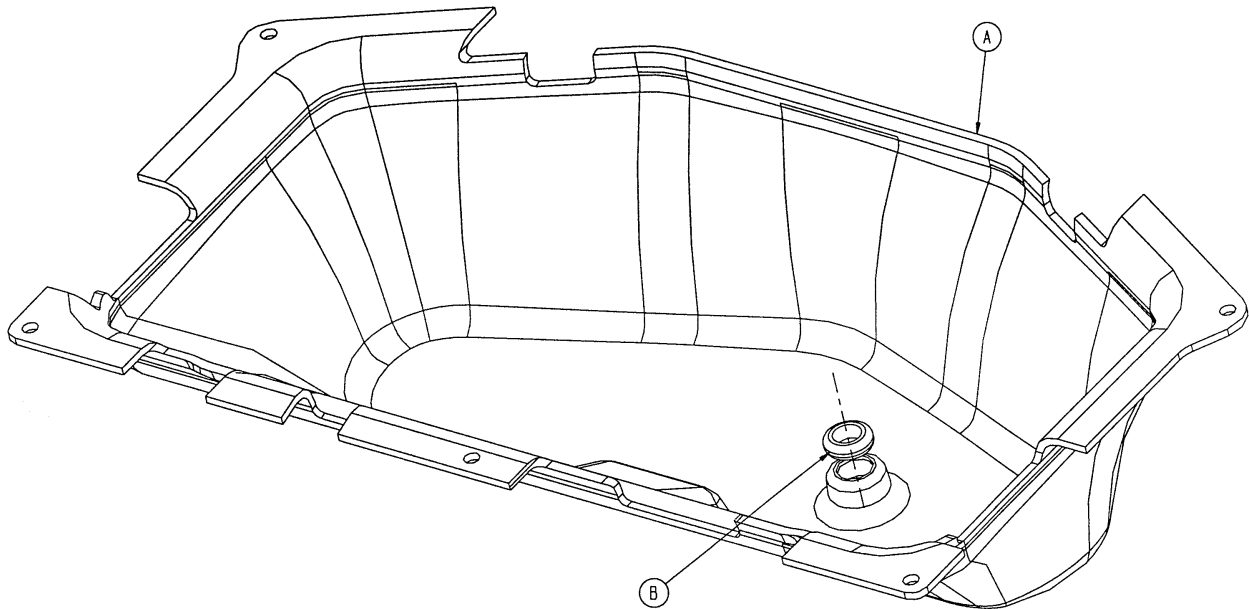
## Optional Epic+ Base Assembly

| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 3–32         | Hex Hd. Cap Screw           | 4    |
| B    | 4–263        | Hex Soc. But. Hd. Cap Screw | 1    |
| C    | 5–17         | Carriage Bolt               | 1    |
| D    | 7–52         | Truss Hd. Torx              | 13   |
| E    | 11–63        | Washer                      | 5    |
| F    | 13–10        | External Tooth Star Washer  | 5    |
| G    | 16–28        | Nylock Nut                  | 1    |
| H    | 16–36        | Nylock Nut                  | 1    |
| J    | 23–25        | Hex Washer Hd. Screw        | 11   |
| K    | 23–281       | Self-Tapping Screw          | 4    |
| L    | 25–79        | Pop Rivet                   | 1    |
| M    | 30–38        | Split Bushing               | 1    |
| N    | 37–221       | Hole Plug                   | 2    |
| P    | 58–90        | Threaded Stud               | 1    |
| R    | 59–133       | Push-Mount Wire Clip        | 1    |
| S    | 59–192       | Split Ferrite               | 1    |
| T    | (page 10–31) | Base Power Assembly         | 1    |
| U    | 2030–80–802  | DC Jumper Assembly          | 1    |
| W    | 2030–201–5   | Hood Shroud                 | 1    |
| X    | (page 10–32) | Foot End Bottom Cover Ass'y | 1    |
| Y    | (page 10–32) | Head End Bottom Cover Ass'y | 1    |
| Z    | 2040–1–100   | Drive Wheel Position Label  | 1    |
| AA   | 2040–1–101   | Charger Box Cover Label     | 1    |
| AB   | 2040–1–102   | Power Board Cover Label     | 1    |
| AC   | 2040–301–809 | Umbilical Cable Assembly    | 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   | 3002–1–10    | Transformer                 | 1    |
| AJ   | (page 10–33) | Battery Tray Assembly       | 1    |
| AK   | 3002–1–50    | Charger Box Weldment        | 1    |
| AL   | 3002–1–68    | Power Board Cover           | 1    |
| AM   | 3002–1–71    | Charger/Inverter Cover      | 1    |
| AN   | 3002–1–78    | Hood Slot Trim              | 1    |
| AP   | 3002–1–79    | Hood Slot Trim Bracket      | 1    |
| AR   | 3002–1–802   | Inverter/Battery Cable      | 1    |
| AS   | 7000–1–326   | 10" Foam Tape               | 2    |

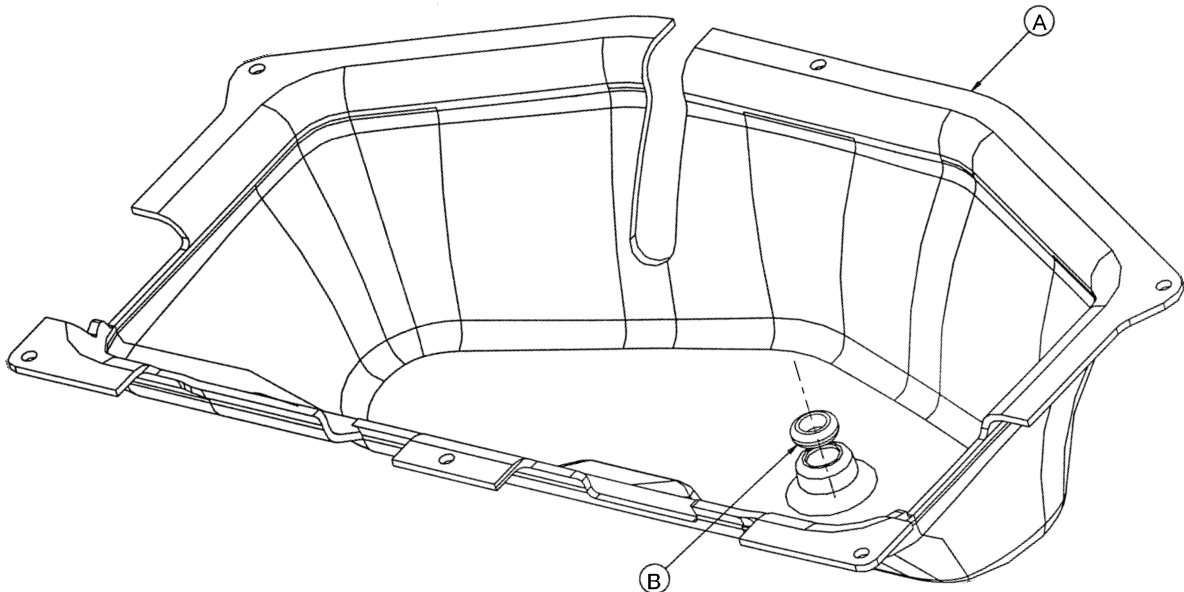
## 2030–1–30 Epic+ Base Option Power Assembly



| Item | Part No.   | Part Name                     | Qty. |
|------|------------|-------------------------------|------|
| A    | 4-263      | But. Hd. Cap Screw            | 3    |
| B    | 12-6       | Helical Lock Washer           | 3    |
| D    | 3002-1-17  | Charger/Inverter Heat Bracket | 1    |
| E    | 3002-1-920 | Charger/Inverter Board        | 1    |
| F    | 44-47      | Polyimide Kapton Tape         | A/R  |

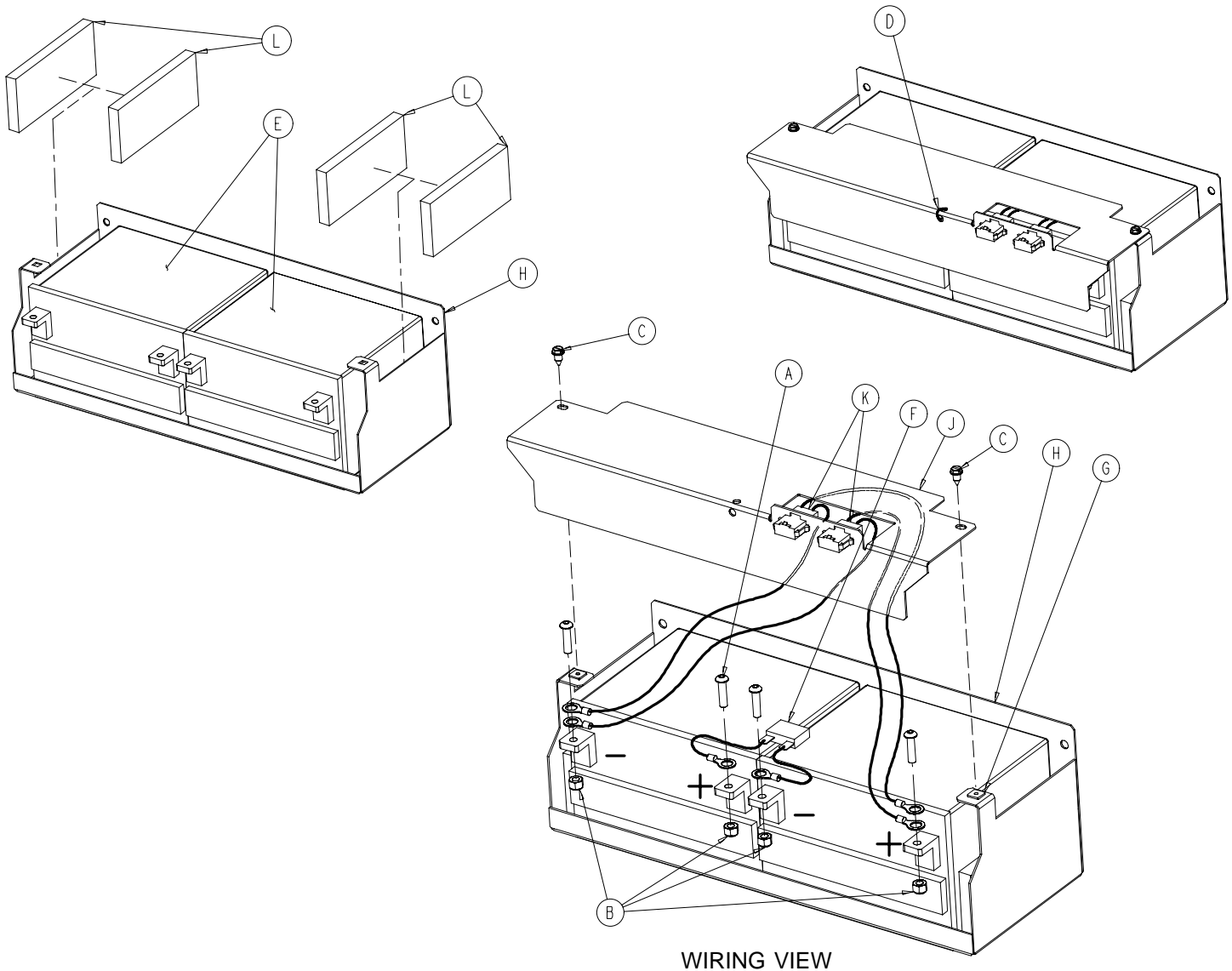
**2040-1-16 Foot End Bottom Cover**

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 2040-1-78    | Foot End Bottom Cover | 1    |
| B    | 3000-000-039 | Grommet               | 1    |

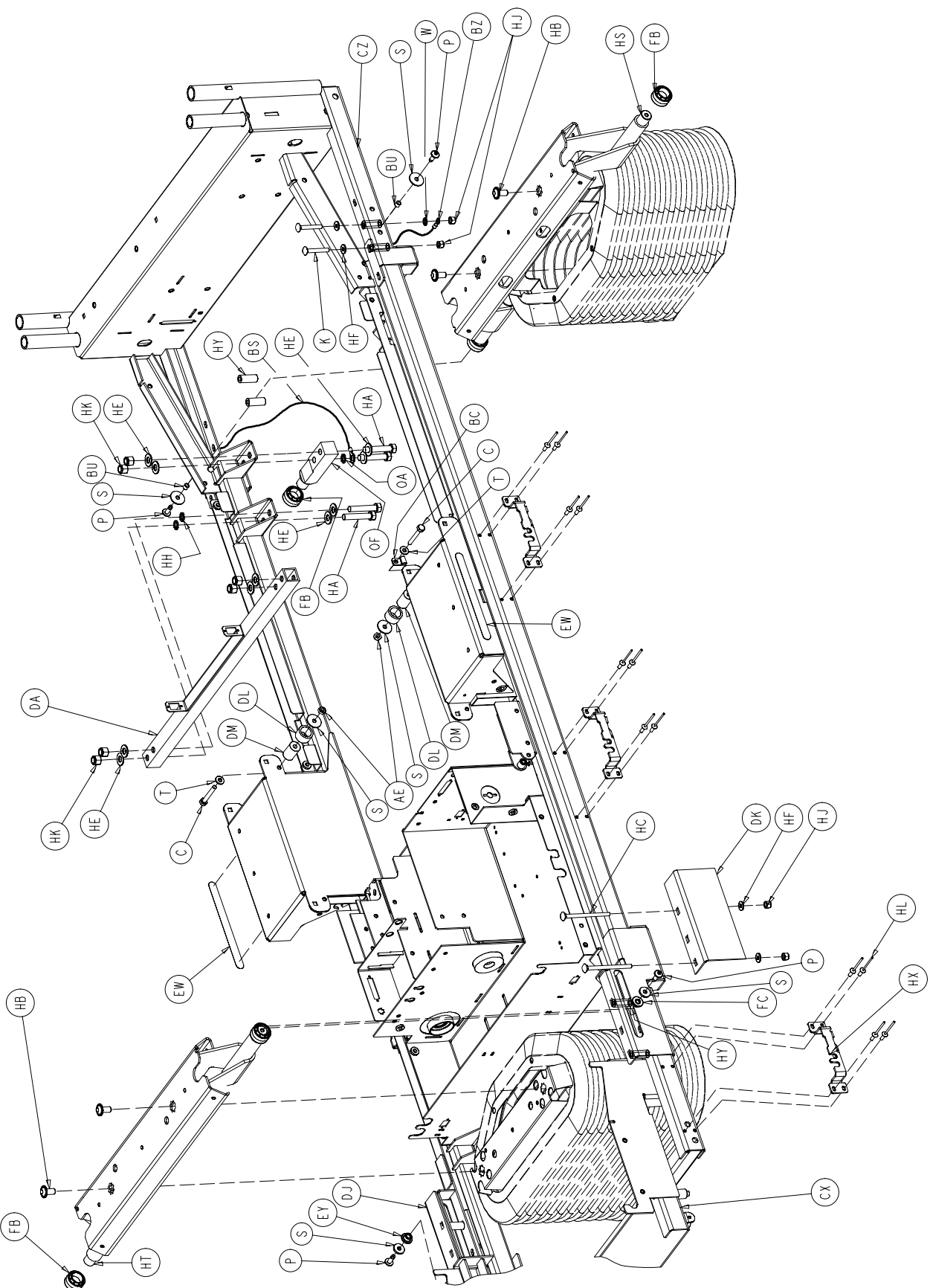
**2040-1-17 Head End Bottom Cover**

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 2040-1-79    | Head End Bottom Cover | 1    |
| B    | 3000-000-039 | Grommet               | 1    |

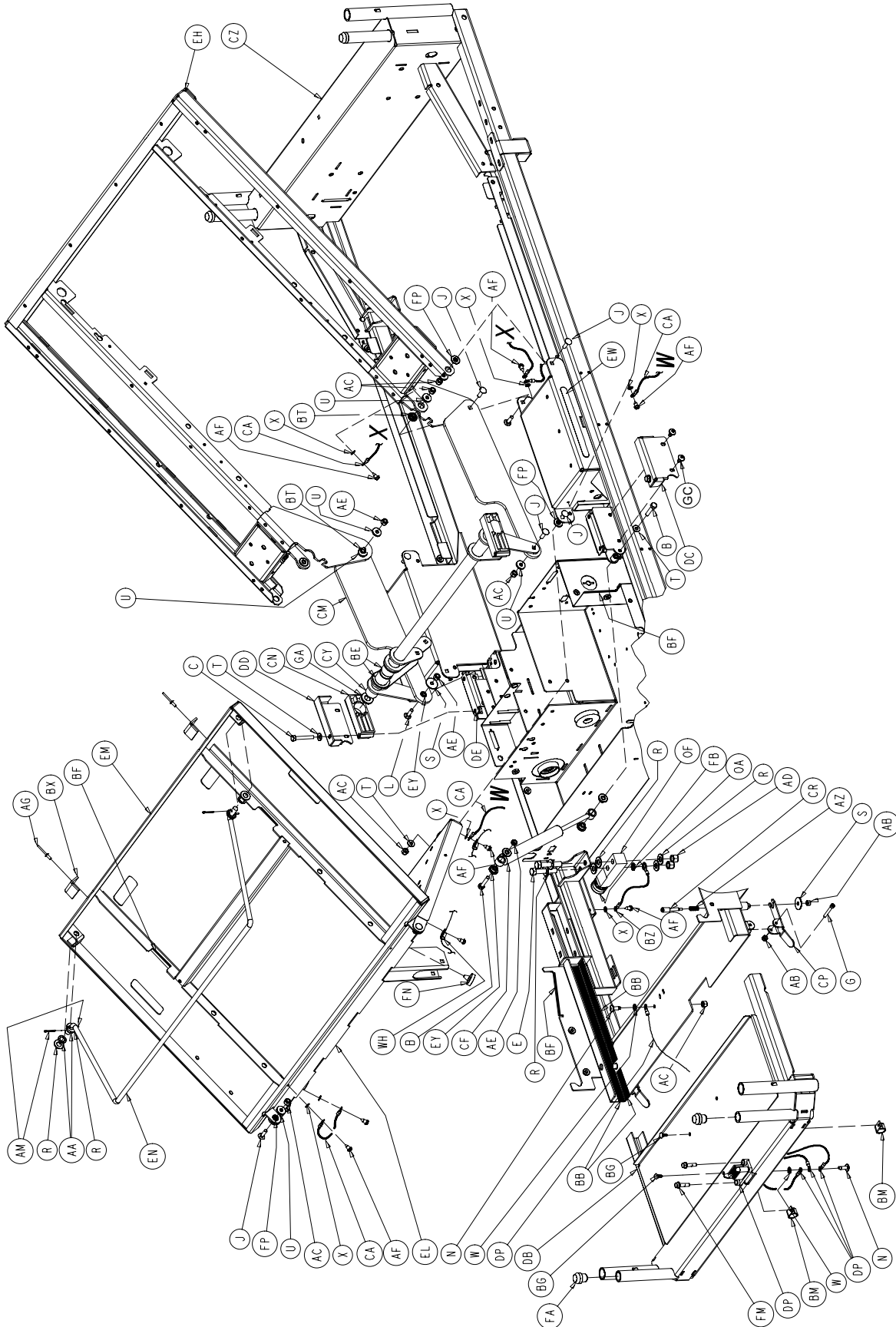
## 3002-1-15 Epic+ Option Battery Tray Assembly



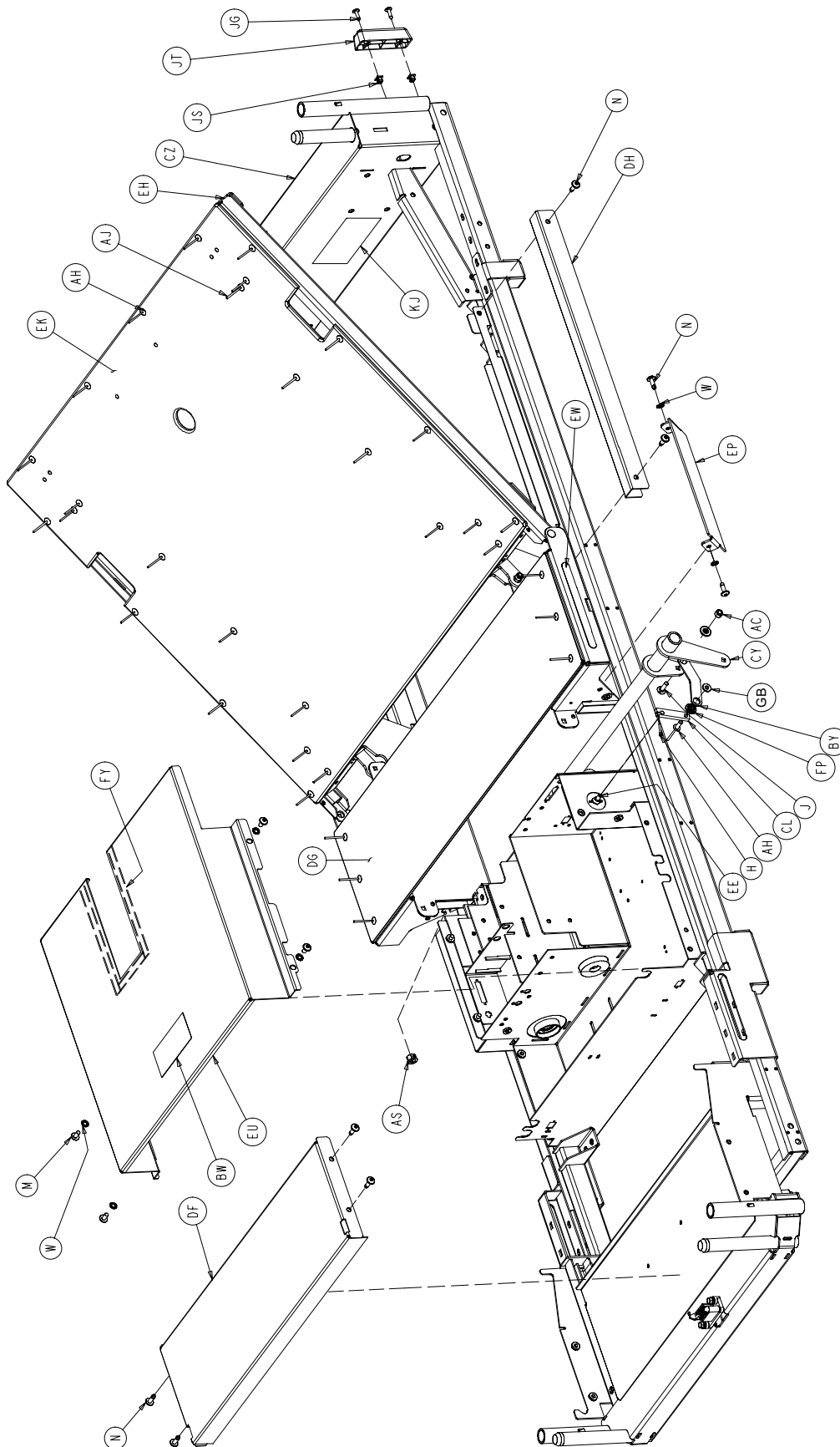
| Item | Part No.    | Part Name             | Qty. |
|------|-------------|-----------------------|------|
| A    | 4-46        | But. Hd. Cap Screw    | 4    |
| B    | 16-28       | Nylock Nut            | 4    |
| C    | 23-25       | Hex Washer Hd. Screw  | 2    |
| D    | 38-151      | Cable Tie             | 1    |
| E    | 2040-1-70   | Battery               | 2    |
| F    | 2040-1-802  | Battery Jumper Cable  | 1    |
| G    | 3000-300-2  | Push Nut              | 2    |
| H    | 3002-1-69   | Battery Tray          | 1    |
| J    | 3002-1-91   | Terminal Guard        | 1    |
| K    | 3002-1-803  | Battery Harness Cable | 2    |
| L    | 5000-101-43 | Foam Block            | 4    |



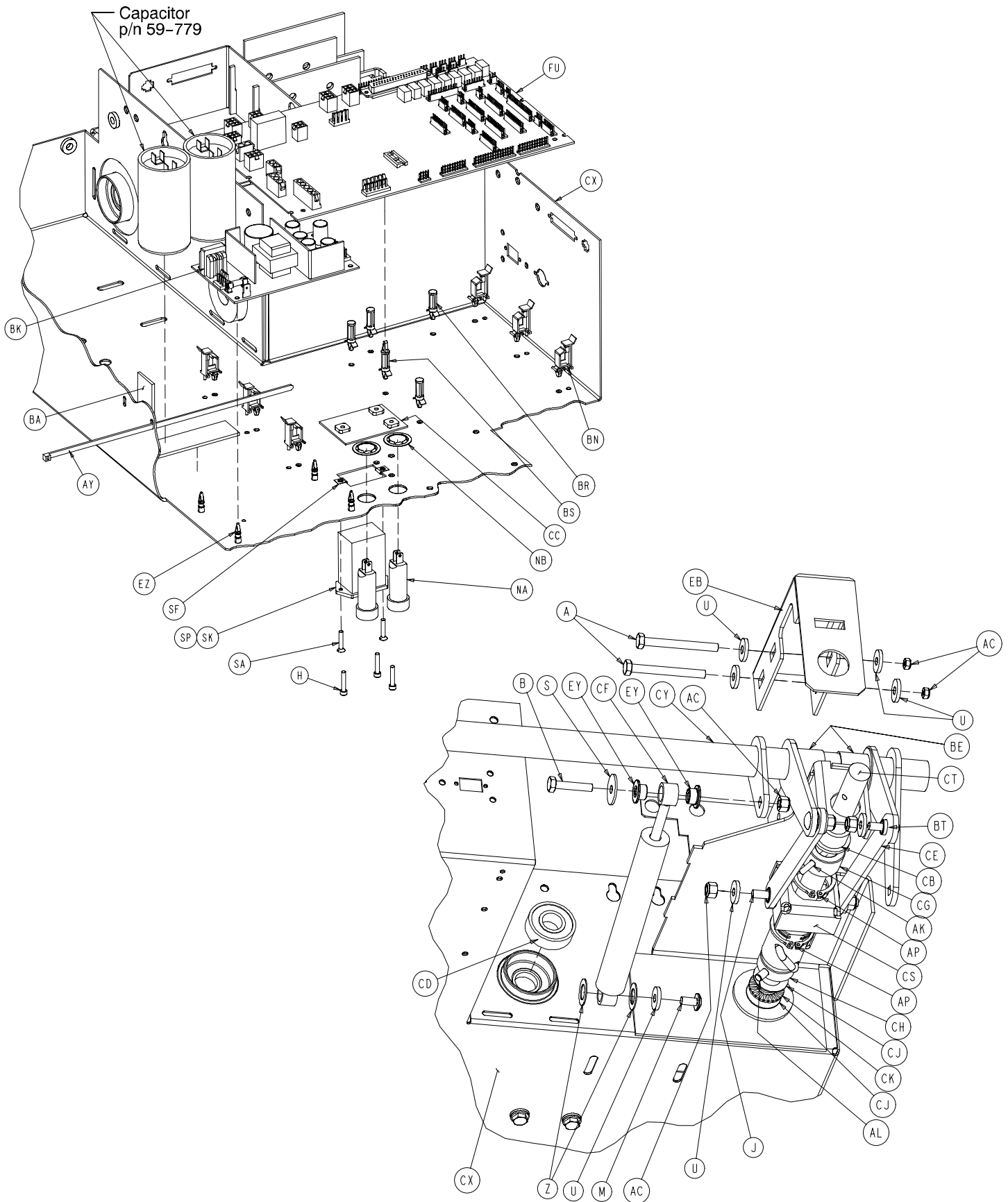
## Litter Assembly and Options



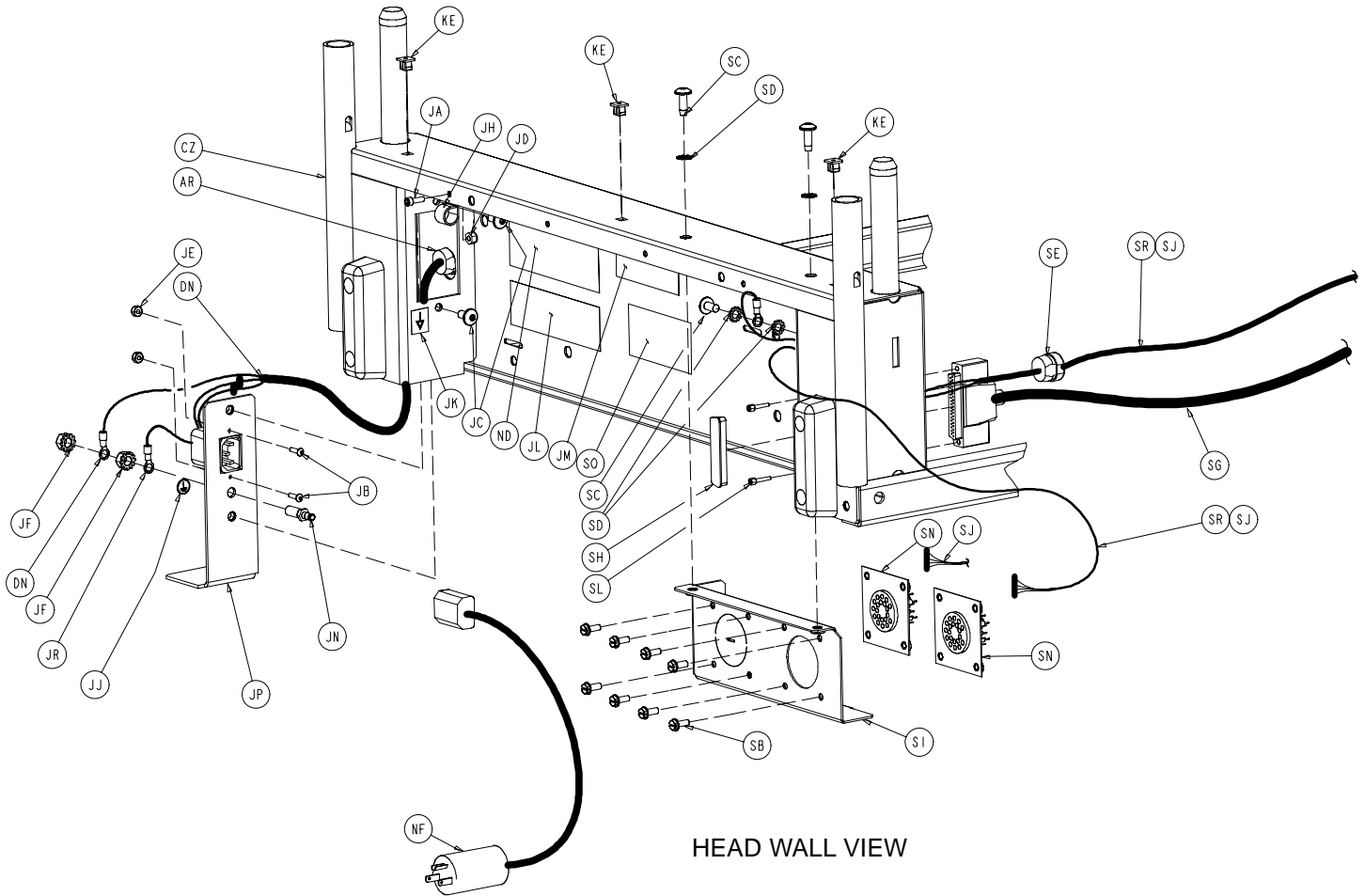
## Litter Assembly and Options



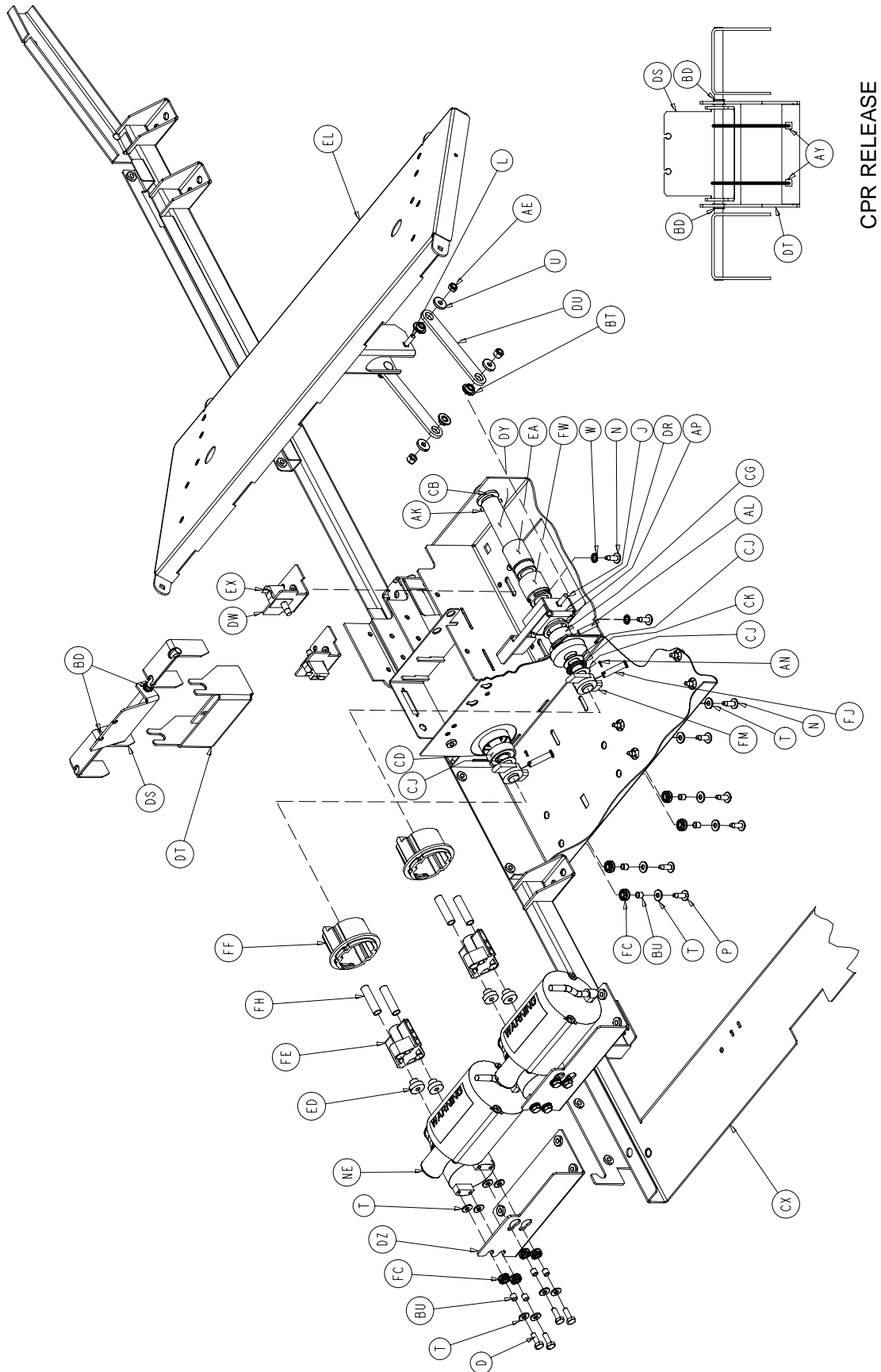
## Litter Assembly and Options



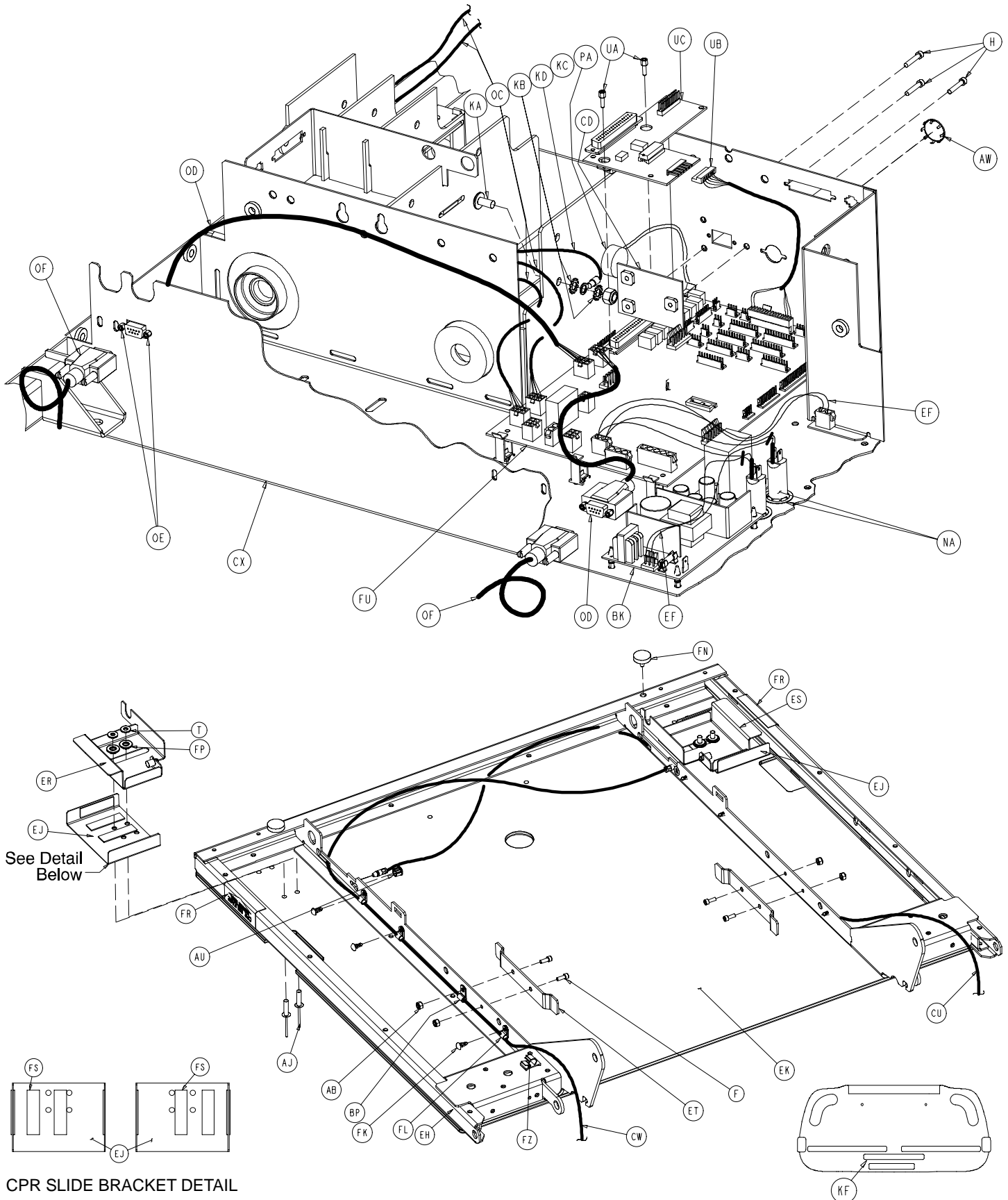
## Litter Assembly and Options



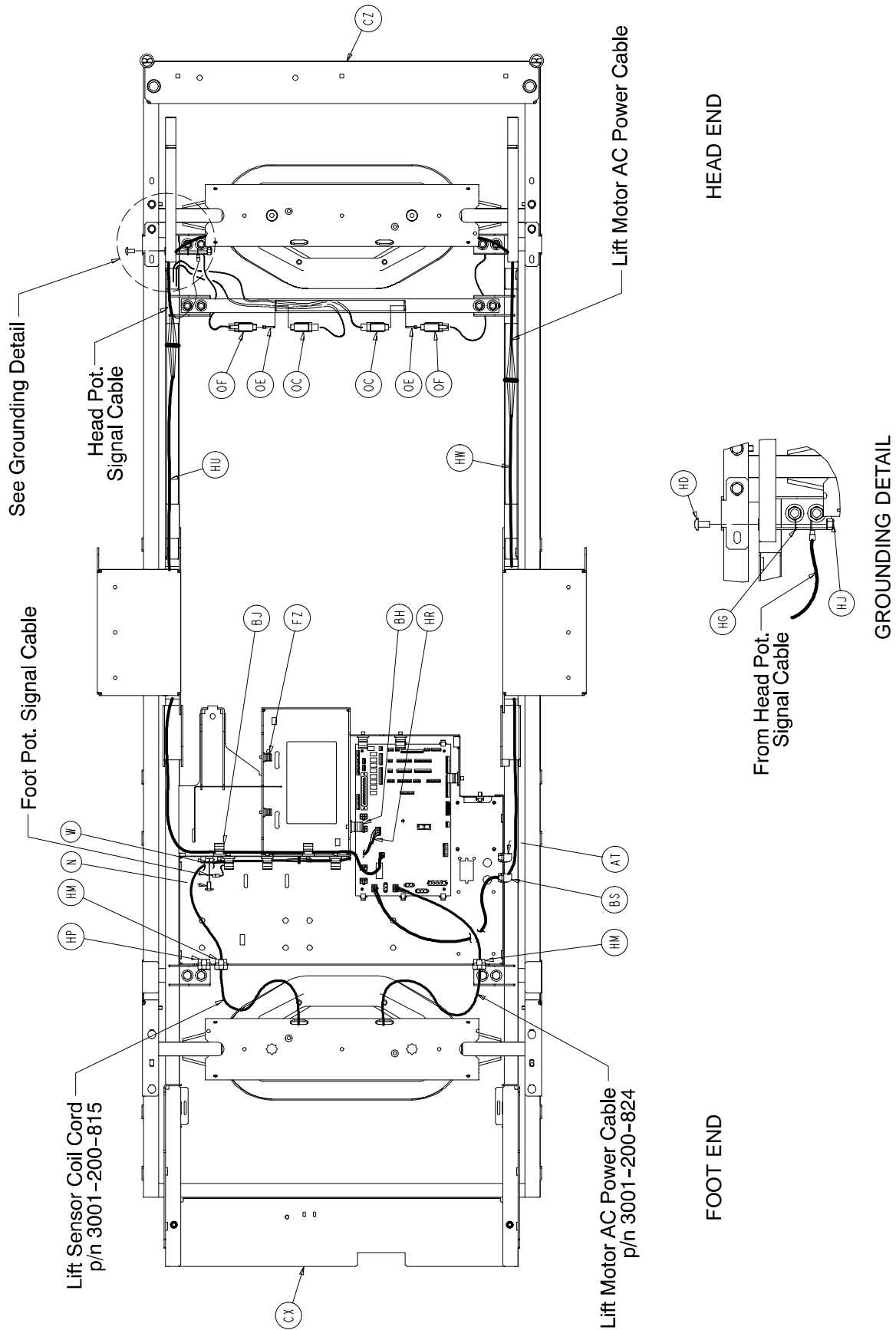
## Litter Assembly and Options



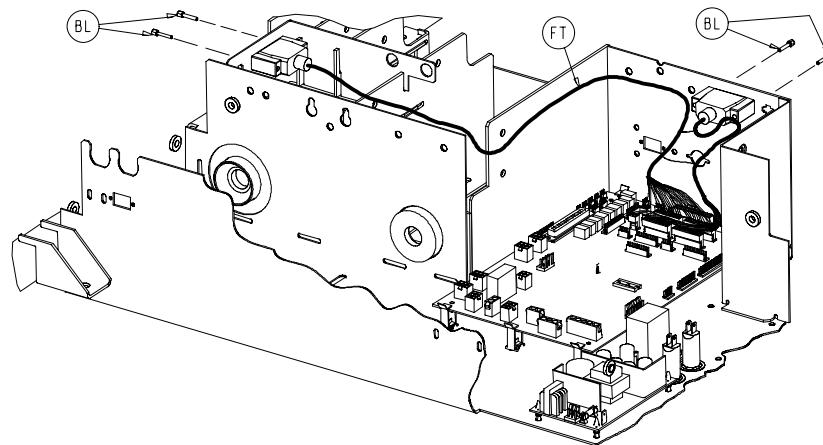
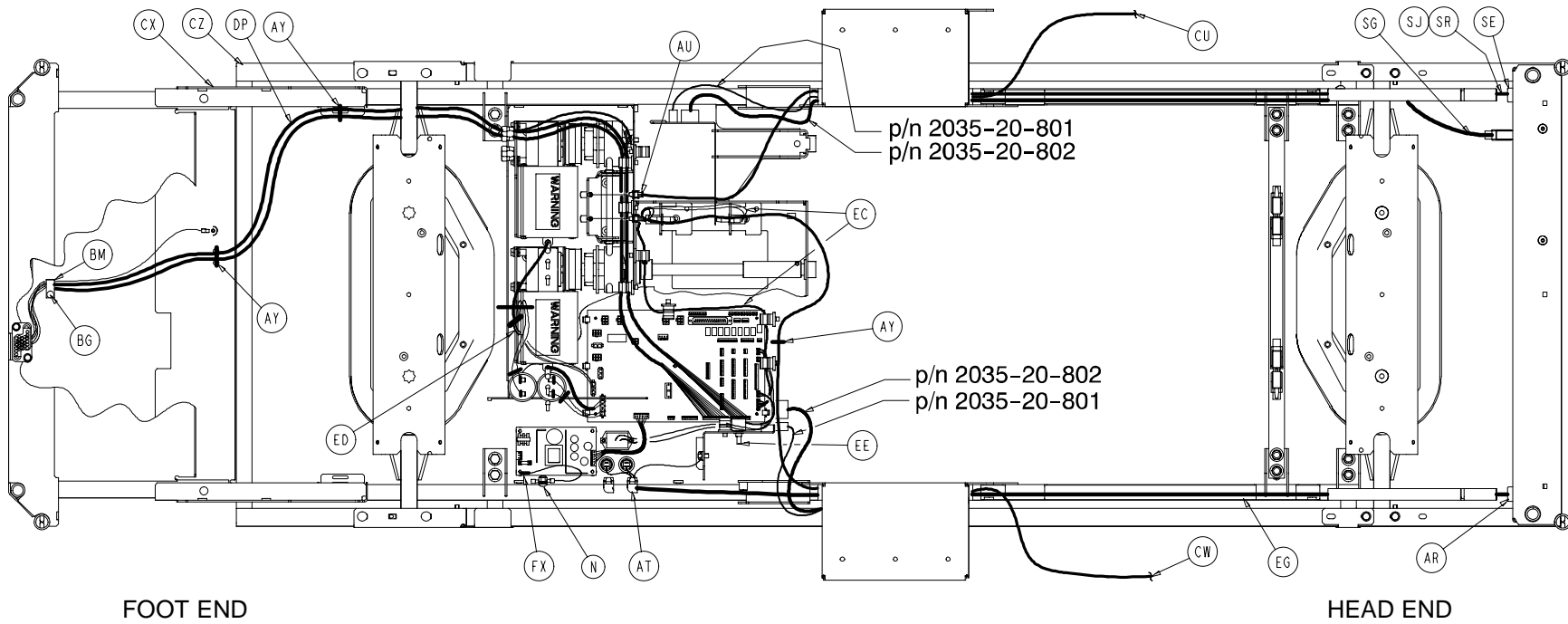
## Litter Assembly and Options



## Litter Assembly and Options



# Litter Assembly and Options



SIDERAIL EXTENSION CABLE ROUTING

## Litter Assembly and Options

### 2030–231–10 Common Litter Components

| Item | Part No. | Part Name                 | Qty. | Item | Part No.     | Part Name                   | Qty. |
|------|----------|---------------------------|------|------|--------------|-----------------------------|------|
| A    | 3–23     | Hex Hd. Cap Screw         | 2    | BS   | 59–774       | Locking PCB Support         | 1    |
| B    | 3–74     | Hex Hd. Cap Screw         | 3    | BT   | 81–268       | Flange Bearing              | 14   |
| C    | 3–78     | Hex Hd. Cap Screw         | 4    | BU   | 715–1–133    | Rel. Valve Stop Sleeve      | 18   |
| D    | 3–214    | Hex Hd. Cap Screw         | 8    | BW   | 1550–90–13   | Shock Caution Label         | 1    |
| E    | 3–347    | Hex Hd. Cap Screw         | 4    | BX   | 2020–34–758  | Calf Section Rest           | 2    |
| F    | 4–32     | Soc. Hd. Cap Screw        | 4    | BY   | 2025–31–62   | Pot. Actuator Link          | 1    |
| G    | 4–85     | Soc. Hd. Cap Screw        | 2    | BZ   | 2025–31–804  | Ground Jumper               | 4    |
| H    | 4–101    | Soc. Hd. Cap Screw        | 4    | CA   | 2025–31–805  | Ground Strap                | 6    |
| J    | 5–19     | Carriage Bolt             | 18   | CB   | 2025–32–68   | Flange Bearing              | 2    |
| K    | 5–22     | Carriage Bolt             | 4    | CC   | 2025–32–74   | Cover Plate                 | 1    |
| L    | 5–23     | Carriage Bolt             | 3    | CD   | 2025–32–76   | Ball Bearing                | 2    |
| M    | 7–58     | Truss Hd. Torx            | 5    | CE   | 2025–32–77   | Fowler Actuator Link        | 2    |
| N    | 7–63     | Truss Hd. Torx            | 19   | CF   | 2025–32–82   | Hydraulic Dampener          | 2    |
| P    | 7–65     | Truss Hd. Torx            | 16   | CG   | 2025–32–84   | Fowler Screw Up Stop        | 1    |
| R    | 11–4     | Washer                    | 20   | CH   | 2025–32–85   | Fowler Screw Down Stop      | 1    |
| S    | 11–53    | Washer                    | 10   | CJ   | 2025–32–86   | Thrust Washer               | 5    |
| T    | 11–63    | Washer                    | 43   | CK   | 2025–32–87   | Roller Cage Bearing         | 2    |
| U    | 11–158   | Washer                    | 24   | CL   | 2025–231–61  | Pot. Timing Clamp           | 1    |
| W    | 13–10    | Ext. Tooth Lock Washer    | 16   | CM   | 2025–231–88  | Fowler Link                 | 2    |
| X    | 13–18    | Ext. Tooth Lock Washer    | 14   | CN   | 2025–231–90  | Torque Tube Pivot Brg.      | 2    |
| Y    | 13–32    | Ext. Tooth Lock Washer    | 2    | CP   | 2025–231–99  | Bed Extender Rel. Lever     | 2    |
| Z    | 14–7     | Washer                    | 2    | CR   | 2025–231–112 | Bed Extender Pin Lock       | 2    |
| AA   | 14–8     | Washer                    | 4    | CS   | 2025–232–89  | Fowler Nut Box              | 1    |
| AB   | 16–3     | Nylock Nut                | 4    | CT   | 2025–232–90  | Fowler Ball Screw           | 1    |
| AC   | 16–28    | Nylock Nut                | 22   | CU   | 2035–31–48   | Short CPR Cable             | 1    |
| AD   | 16–35    | Nylock Nut                | 8    | CW   | 2035–31–49   | Long CPR Cable              | 1    |
| AE   | 16–102   | Nylock Nut                | 8    | CX   | 2035–31–50   | Scale Frame Weldment        | 1    |
| AF   | 23–25    | Hex Washer Hd. Screw      | 14   | CY   | 2035–31–51   | Torque Tube Weldment        | 1    |
| AG   | 25–79    | Rivet                     | 2    | CZ   | 2035–31–54   | Iso. Frame Weldment         | 1    |
| AH   | 25–142   | Rivet                     | 29   | DA   | 2035–31–55   | Head End Crosstube          | 1    |
| AJ   | 25–147   | Rivet                     | 4    | DB   | 2035–31–57   | Bed Extender Weldment       | 1    |
| AK   | 26–12    | Roll Pin                  | 2    | DC   | 2035–31–64   | Torque Tube Ret. Brkt., Lt. | 1    |
| AL   | 26–168   | Spiral Pin                | 2    | DD   | 2035–31–65   | Torque Tube Ret. Brkt., Rt. | 1    |
| AM   | 27–15    | Cotter Pin                | 4    | DE   | 2035–31–66   | Torque Block Channel        | 2    |
| AN   | 27–17    | Cotter Pin                | 2    | DF   | 2035–31–94   | Foot Support Cover          | 1    |
| AP   | 28–120   | External Retaining Ring   | 3    | DG   | 2035–31–97   | Seat Section Skin           | 1    |
| AR   | 30–27    | Strain Relief             | 1    | DH   | 2035–31–100  | Wire Channel Cover          | 2    |
| AS   | 30–36    | Grommet                   | 4    | DJ   | 2035–31–115  | Roller Bracket Cover, Rt.   | 1    |
| AT   | 30–47    | Right Angle Strain Relief | 1    | DK   | 2035–31–116  | Roller Bracket Cover, Lt.   | 1    |
| AU   | 30–52    | Snap Bushing              | 4    | DL   | 2035–31–126  | Protective Sleeve           | 2    |
| AW   | 37–221   | Hole Plug                 | 1    | DM   | 2035–31–127  | Nylon Stop                  | 2    |
| AX   | 38–111   | Cable Tie                 | 10   | DN   | 2035–31–801  | Inlet/Fuse Cable            | 1    |
| AY   | 38–151   | Cable Tie                 | 17   | DP   | 2035–31–802  | Foot Board/CPU Cable        | 1    |
| AZ   | 38–382   | Compression Spring        | 2    | DR   | 2035–32–52   | Gatch Trigger Weldment      | 1    |
| BA   | 44–29    | Black Foam Tape           | 1    | DS   | 2035–32–54   | CPR Release Wldmt. Brkt.    | 1    |
| BB   | 44–32    | 1" Wide Poly Tape         | 50"  | DT   | 2035–32–72   | CPR Release Pivot Brkt.     | 1    |
| BC   | 52–104   | Cable Clamp               | 2    | DU   | 2035–32–77   | Gatch Actuator Link         | 2    |
| BD   | 52–759   | Flange Bearing            | 2    | DW   | 2035–32–79   | Act. Box Cherry Swch. Brkt. | 2    |
| BE   | 52–762   | Nyliner Bushing           | 2    | DX   | 2035–32–84   | Gatch Screw Up Stop         | 1    |
| BF   | 58–56    | Black Edge Trim           | 6"   | DY   | 2035–32–85   | Gatch Screw Down Stop       | 1    |
| BG   | 58–76    | Drive Fastener            | 2    | DZ   | 2035–32–88   | Act. Box Motor Mtg. Brkt.   | 2    |
| BH   | 59–133   | Push–Mount Wire Clip      | 1    | EA   | 2035–32–90   | Gatch Ball Screw Ass'y      | 1    |
| BJ   | 59–135   | Push–Mount Wire Clip      | 8    | EB   | 2035–32–96   | Ball Screw Cover            | 1    |
| BK   | 59–157   | Power Supply              | 1    | EC   | 2035–32–801  | Gatch Limit Switch Cable    | 1    |
| BL   | 59–727   | Jack Screw                | 4    | ED   | 2035–32–802  | Fowler/CPU Jumper Cable     | 1    |
| BM   | 59–743   | Wire Harness Clip         | 2    | EE   | 2035–32–803  | Fowler Pot. Cable           | 1    |
| BN   | 59–751   | Locking Circuit Bd. Supt. | 6    | EF   | 2035–32–804  | Fuse/PCB Cable              | 1    |
| BP   | 59–767   | Cable Clamp               | 2    | EG   | 2035–32–805  | CPU/Power Supply Cable      | 1    |
| BR   | 59–773   | Push Spacer               | 4    | EH   | 2035–33–50   | Fowler Frame Weldment       | 1    |

## Litter Assembly and Options

### 2030–231–10 Common Litter Components (Continued)

| Item | Part No.     | Part Name                  | Qty. | Item | Part No.       | Part Name                | Qty. |
|------|--------------|----------------------------|------|------|----------------|--------------------------|------|
| EJ   | 2035–33–62   | CPR Release Slide Brkt.    | 2    | FG   | 3000–300–462   | CPR Wing                 | 2    |
| EK   | 2035–33–63   | Fowler Skin                | 1    | FH   | 3000–300–464   | CPR Engagement Spring    | 4    |
| EL   | 2035–34–50   | Thigh Section Weldment     | 1    | FJ   | 3000–300–473   | Clevis Pin               | 2    |
| EM   | 2035–35–50   | Foot Section Weldment      | 1    | FK   | 3000–300–477   | CPR Conduit Stud         | 6    |
| EN   | 2035–35–96   | Foot Prop Rod              | 1    | FL   | 3000–300–478   | CPR Conduit Clamp        | 6    |
| EP   | 2035–231–85  | Seat Section Cover         | 2    | FM   | 3001–200–228   | Mounting Standoff        | 2    |
| ER   | 2035–233–64  | Quick Drop Rel. Brkt., Lt. | 1    | FN   | 3001–300–8     | Thigh Bumper             | 4    |
| ES   | 2035–233–65  | Quick Drop Rel. Brkt., Rt. | 1    | FP   | 3001–300–99    | Flange Bearing           | 10   |
| ET   | 2035–400–565 | Siderail Guide Bracket     | 2    | FR   | 3001–300–603   | CPR Release Label        | 2    |
| EU   | (page 10–47) | Actuator Box Cover Ass'y   | 1    | FS   | 3001–300–663   | Velcro Strip             | 10   |
| EW   | 2040–90–5    | 500 Pound Label            | 2    | FT   | 3001–300–877   | Siderail Extension Cable | 1    |
| EX   | 3000–300–58  | Switch Plunger             | 2    | FU   | (see page 5–1) | CPU Assembly             | 1    |
| EY   | 3000–300–99  | Modified Bushing           | 10   | FW   | 5000–30–366    | Fowler Nut Adapter       | 1    |
| EZ   | 3000–300–115 | Standoff                   | 4    | FX   | 5010–80–7      | Power Supply Gd. Cable   | 1    |
| FA   | 3000–300–349 | Head/Foot Board Post Cap   | 4    | FY   | 8800–380–000   | Neoprene Sponge          | 1.5' |
| FB   | 3000–300–353 | Roller                     | 8    | FZ   | 8815–001–100   | Wire Mount Clip          | 4    |
| FC   | 3000–300–442 | Fowler Drive Grommet       | 16   | GA   | 11–310         | Washer                   | 2    |
| FD   | 3000–300–455 | CPR Isolation Bushing      | 4    | GB   | 11–2           | Washer                   | 1    |
| FE   | 3000–300–456 | CPR Isolator               | 2    | GC   | 7–52           | Truss Hd. Torx           | 4    |
| FF   | 3000–300–461 | CPR Decoupler              | 2    |      |                |                          |      |

### 2030–32–10 Epic/Epic+ Litter Components

| Item | Part No. | Part Name              | Qty. | Item | Part No.    | Part Name                 | Qty. |
|------|----------|------------------------|------|------|-------------|---------------------------|------|
| HA   | 3–347    | Hex Hd. Cap Screw      | 8    | HL   | 25–50       | Rivet                     | 24   |
| HB   | 4–338    | Flanged But. Hd. Screw | 4    | HM   | 30–27       | Strain Grommet            | 2    |
| HC   | 5–29     | Rd. Hd. Sq. Neck Bolt  | 4    | HN   | 30–47       | Right Angle Strain Relief | 1    |
| HD   | 7–58     | Truss Hd. Torx         | 1    | HP   | 59–106      | Strain Relief             | 1    |
| HE   | 11–4     | Washer                 | 16   | HR   | 2030–31–801 | Foot Pot. Exten. Cable    | 1    |
| HF   | 11–63    | Washer                 | 8    | HU   | 2030–31–802 | Head Pot. Exten. Cable    | 1    |
| HG   | 13–10    | Ext. Tooth Lock Washer | 1    | HW   | 2030–31–803 | Head Lift Motor Extension | 1    |
| HH   | 13–32    | Ext. Tooth Lock Washer | 4    | HX   | 2040–31–56  | Foley Bag Hanger          | 6    |
| HJ   | 16–6     | Kep Nut                | 9    | HY   | 3001–300–4  | Spacer                    | 8    |
| HK   | 16–35    | Nylock Nut             | 8    |      |             |                           |      |

### 2040–32–20 Zoom/Epic/Epic+ Std. Height Option

| Item | Part No.    | Part Name              | Qty. |
|------|-------------|------------------------|------|
| HS   | 2030–331–52 | Head End Header Wldmt. | 1    |
| HT   | 2030–331–53 | Foot End Header Wldmt. | 1    |

### 2040–32–21 Zoom/Epic/Epic+ Enh. Height Option

| Item | Part No.    | Part Name              | Qty. |
|------|-------------|------------------------|------|
| HS   | 2040–31–252 | Head End Header Wldmt. | 1    |
| HT   | 2040–31–253 | Foot End Header Wldmt. | 1    |

### 2035–32–11 Epic Litter Components

| Item | Part No.     | Part Name          | Qty. | Item | Part No.     | Part Name              | Qty. |
|------|--------------|--------------------|------|------|--------------|------------------------|------|
| JA   | 4–5          | Soc. Hd. Cap Screw | 1    | JK   | 36–115       | Earth Ground Label     | 1    |
| JB   | 8815–002–200 | Machine Screw      | 2    | JL   | 1550–90–1    | Hosp. Grade Plug Label | 1    |
| JC   | 7–58         | Truss Hd. Torx     | 2    | JM   | 2011–1–104   | Danger Label           | 1    |
| JD   | 16–14        | Nylock Nut         | 1    | JN   | 2011–1–215   | Grounding Lug          | 1    |
| JE   | 16–23        | Nylock Nut         | 2    | JP   | 2035–31–70   | A/C Filter Mtg. Plate  | 1    |
| JF   | 16–33        | Nylock Nut         | 2    | JR   | 2035–31–803  | Power Inlet Cable      | 1    |
| JG   | 23–80        | Truss Hd. Screw    | 4    | JS   | 3000–300–2   | Plastic Clip Nut       | 4    |
| JH   | 34–22        | Cord Clamp         | 1    | JT   | 3000–300–350 | Head End Bumper Strip  | 2    |
| JJ   | 36–46        | 220V Ground Label  | 1    |      |              |                        |      |

## Litter Assembly and Options

### 2040–32–11 Epic+/Zoom Litter Components

| Item | Part No.     | Part Name              | Qty. | Item | Part No.    | Part Name         | Qty. |
|------|--------------|------------------------|------|------|-------------|-------------------|------|
| KA   | 7–58         | Truss Hd. Torx         | 1    | KE   | 3000–300–2  | Plastic Clip Nut  | 3    |
| KB   | 13–10        | Ext. Tooth Lock Washer | 2    | KF   | 2040–31–100 | Manual Push Label | 1    |
| KC   | 16–28        | Nylock Nut             | 1    | KG   | 59–194      | Split Ferrite     | 3    |
| KD   | 2040–231–806 | Bed CPU Cable          | 1    | KH   | 59–738      | Hole Plug         | 2    |

### 2030–32–15 Epic Litter Domestic Components

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| NA   | 59–179       | Circuit Breaker       | 2    |
| NB   | 59–181       | Clip Retainer         | 2    |
| ND   | 2030–231–125 | Specification Label   | 1    |
| NE   | 2035–300–705 | Fowler Drive Assembly | 2    |
| NF   | 39–254       | Power Cord            | 1    |

### 2031–32–15 Epic Litter International Components

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| NA   | 59–178       | Circuit Breaker       | 2    |
| NB   | 59–181       | Clip Retainer         | 2    |
| NC   | 59–153       | Capacitor             | 2    |
| ND   | 2031–231–125 | Specification Label   | 1    |
| NE   | 3221–300–705 | Fowler Drive Assembly | 2    |

### 2031–32–16 Litter European Comp. – No Scale

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| NA   | 59–178       | Circuit Breaker       | 2    |
| NB   | 59–181       | Clip Retainer         | 2    |
| NC   | 59–153       | Capacitor             | 2    |
| ND   | 2031–231–126 | Specification Label   | 1    |
| NE   | 3221–300–705 | Fowler Drive Assembly | 2    |

### 2031–32–17 Litter European Comp. – Scale

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| NA   | 59–178       | Circuit Breaker       | 2    |
| NB   | 59–181       | Clip Retainer         | 2    |
| NC   | 59–153       | Capacitor             | 2    |
| ND   | 2031–231–127 | Specification Label   | 1    |
| NE   | 3221–300–705 | Fowler Drive Assembly | 2    |

### 2030–232–15 Epic+ Litter Domestic Components

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| NA   | 59–179       | Circuit Breaker       | 2    |
| ND   | 2030–231–125 | Specification Label   | 1    |
| NE   | 2035–300–705 | Fowler Drive Assembly | 2    |

### 2035–30–207 Smart TV Option

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| UA   | 59–176       | Jack Screw               | 2    |
| UB   | 2035–232–806 | STV Option Control Cable | 1    |
| UC   | 3001–330–970 | STV Comm. Board          | 1    |

## Litter Assembly and Options

### 2030–30–100 No Scale or Bed Exit Options

| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
|      | (page 10–78) | Foot Board, No Scale/BE | 1    |
| OF   | 3001–300–511 | “Imitation” Load Cell   | 4    |

### 2030–30–125 Scale Option Only

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| OA   | 13–32        | Ext. Tooth Lock Washer   | 4    |
|      | (page 10–79) | Foot Board, Scale Option | 1    |
| OC   | 2035–31–805  | Load Cell Cable, Head    | 2    |
| OD   | 2035–31–804  | Load Cell Cable, Foot    | 2    |
| OE   | 3001–300–7   | M/F Screw                | 8    |
| OF   | 3001–307–57  | Load Cell                | 4    |

### 2030–30–175 Chaperone™ Bed Exit Option

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| OA   | 13–32        | Ext. Tooth Lock Washer    | 4    |
|      | (page 10–80) | Ft. Bd., Chaperone Option | 1    |
| OC   | 2035–31–805  | Load Cell Cable, Head     | 2    |
| OD   | 2035–31–804  | Load Cell Cable, Foot     | 2    |
| OE   | 3001–300–7   | M/F Screw                 | 8    |
| OF   | 3001–307–57  | Load Cell                 | 4    |

### 2030–30–150 Scale & Chaperone™ Options

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| OA   | 13–32        | Ext. Tooth Lock Washer | 4    |
|      | (page 10–82) | Ft. Bd., Scale & Chap. | 1    |
| OC   | 2035–31–805  | Load Cell Cable, Head  | 2    |
| OD   | 2035–31–804  | Load Cell Cable, Foot  | 2    |
| OE   | 3001–300–7   | M/F Screw              | 8    |
| OF   | 3001–307–57  | Load Cell              | 4    |

### 2030–30–275 Chaperone II™ Bed Exit Option

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| OA   | 13–32        | Ext. Tooth Lock Washer   | 4    |
|      | (page 10–81) | Ft. Bd., Chap. II Option | 1    |
| OC   | 2035–31–805  | Load Cell Cable, Head    | 2    |
| OD   | 2035–31–804  | Load Cell Cable, Foot    | 2    |
| OE   | 3001–300–7   | M/F Screw                | 8    |
| OF   | 3001–307–57  | Load Cell                | 4    |

### 2035–30–250 Scale & Chaperone II™ B. E. Options

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| OA   | 13–32        | Ext. Tooth Lock Washer | 4    |
|      | (page 10–83) | Foot Board, Scale & BE | 1    |
| OC   | 2035–31–805  | Load Cell Cable, Head  | 2    |
| OD   | 2035–31–804  | Load Cell Cable, Foot  | 2    |
| OE   | 3001–300–7   | M/F Screw              | 8    |
| OF   | 3001–307–57  | Load Cell              | 4    |

### 2030–30–151 Low–Sounding Beeper Option

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| PA   | 3001–508–869 | Low–Sound Beeper Cable | 1    |

### 2030–30–251 High–Sounding Beeper Option

| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| PA   | 3001–508–870 | High–Sound Beeper Cable | 1    |

## Litter Assembly and Options

### 2035–30–200 Epic Head Wall Communication

| Item | Part No.   | Part Name                 | Qty. |
|------|------------|---------------------------|------|
| SG   | 59–175     | Head Wall Interface Cable | 1    |
| SH   | 59–710     | Static Cap                | 1    |
| SL   | 3001–300–7 | M/F Screw                 | 2    |

### 2035–30–201 Epic Head Wall Comm. w/N. Call

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| SA   | 1–87         | Flat Hd. Mach. Screw      | 2    |
| SF   | 52–783       | U Clip                    | 2    |
| SG   | 59–175       | Head Wall Interface Cable | 1    |
| SH   | 59–710       | Static Cap                | 1    |
| SK   | 3000–303–871 | Battery                   | 1    |
| SL   | 3001–300–7   | M/F Screw                 | 2    |
| SP   | 5010–80–20   | 9V Battery Box w/Cable    | 1    |

### 2035–30–202 Epic HW w/NC & 1 Stryker Port

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| SA   | 1–87         | Flat Hd. Mach. Screw       | 2    |
| SB   | 3–224        | Hex Wash. Hd. Screw        | 4    |
| SC   | 7–58         | Truss Hd. Torx             | 3    |
| SD   | 13–10        | Ext. Tooth Lock Washer     | 4    |
| SE   | 30–27        | Strain Relief Grommet      | 1    |
| SF   | 52–783       | U Clip                     | 2    |
| SG   | 59–175       | Head Wall Interface Cable  | 1    |
| SH   | 59–710       | Static Cap                 | 1    |
| SI   | 2035–30–99   | Pend. Port Head Wall Brkt. | 1    |
| SJ   | 2035–30–804  | Pendant Port Cable         | 1    |
| SK   | 3000–303–871 | Battery                    | 1    |
| SL   | 3001–300–7   | M/F Screw                  | 2    |
| SN   | 3001–314–920 | Head Wall Pend. Port PCB   | 1    |
| SO   | 5000–90–28   | Cord Out Label             | 1    |
| SP   | 5010–80–20   | 9V Battery Box w/Cable     | 1    |

### 2035–30–203 Epic HW w/NC & 2 Stryker Ports

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| SA   | 1–87         | Flat Hd. Mach. Screw       | 2    |
| SB   | 3–224        | Hex Wash. Hd. Screw        | 8    |
| SC   | 7–58         | Truss Hd. Torx             | 3    |
| SD   | 13–10        | Ext. Tooth Lock Washer     | 4    |
| SE   | 30–27        | Strain Relief Grommet      | 1    |
| SF   | 52–783       | U Clip                     | 2    |
| SG   | 59–175       | Head Wall Interface Cable  | 1    |
| SH   | 59–710       | Static Cap                 | 1    |
| SI   | 2035–30–99   | Pend. Port Head Wall Brkt. | 1    |
| SJ   | 2035–30–805  | Pend. Port Cable, 2 Ports  | 1    |
| SK   | 3000–303–871 | Battery                    | 1    |
| SL   | 3001–300–7   | M/F Screw                  | 2    |
| SN   | 3001–314–920 | Head Wall Pend. Port PCB   | 2    |
| SO   | 5000–90–28   | Cord Out Label             | 1    |
| SP   | 5010–80–20   | 9V Battery Box w/Cable     | 1    |

### 2030–30–200 Epic+ Head Wall Communication

| Item | Part No.    | Part Name                 | Qty. |
|------|-------------|---------------------------|------|
| SG   | 59–175      | Head Wall Interface Cable | 1    |
| SH   | 59–710      | Static Cap                | 1    |
|      | 2030–31–200 | Head Wall w/Comm.         | 1    |

### 2030–30–201 Epic+ Head Wall Comm. w/N. Call

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| SA   | 1–87         | Flat Hd. Mach. Screw      | 2    |
| SF   | 52–783       | U Clip                    | 2    |
| SG   | 59–175       | Head Wall Interface Cable | 1    |
| SH   | 59–710       | Static Cap                | 1    |
|      | 2030–31–201  | Hd. Wall Comm. w/NC       | 2    |
| SK   | 3000–303–871 | Battery                   | 1    |
| SP   | 5010–80–20   | 9V Battery Box w/Cable    | 1    |

### 2030–30–202 Epic+ HW w/NC & 1 Stryker Port

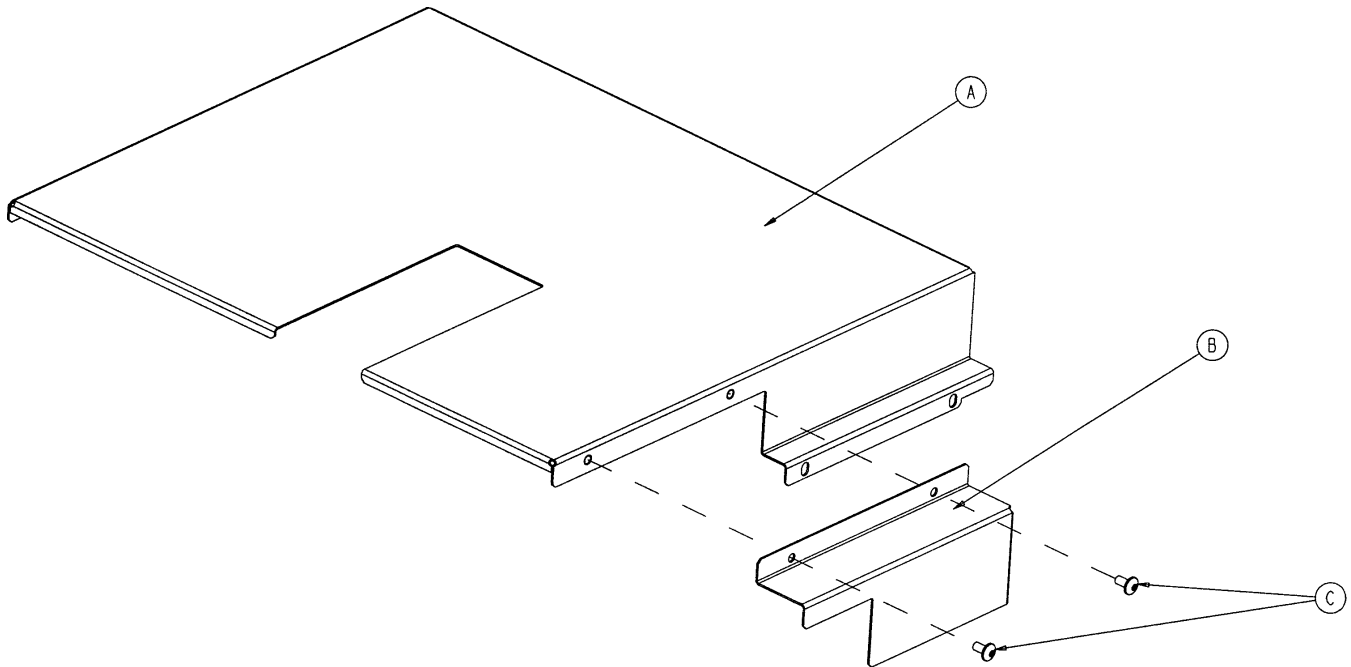
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| SA   | 1–87         | Flat Hd. Mach. Screw      | 2    |
| SE   | 30–27        | Strain Relief Grommet     | 1    |
| SF   | 52–783       | U Clip                    | 2    |
| SG   | 59–175       | Head Wall Interface Cable | 1    |
| SH   | 59–710       | Static Cap                | 1    |
| SK   | 3000–303–871 | Battery                   | 1    |
|      | 2030–31–202  | Hd. Wall w/NC & 1 Port    | 1    |
| SP   | 5010–80–20   | 9V Battery Box w/Cable    | 1    |
| SR   | 2035–30–804  | Pendant Port Cable        | 1    |

### 2030–30–203 Epic+ HW w/NC & 2 Stryker Ports

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| SA   | 1–87         | Flat Hd. Mach. Screw      | 2    |
| SE   | 30–27        | Strain Relief Grommet     | 1    |
| SF   | 52–783       | U Clip                    | 2    |
| SG   | 59–175       | Head Wall Interface Cable | 1    |
| SH   | 59–710       | Static Cap                | 1    |
| SJ   | 2035–30–805  | Pend. Port Cable, 2 Ports | 1    |
| SK   | 3000–303–871 | Battery                   | 1    |
|      | 2030–31–203  | Hd. Wall w/NC & 2 Ports   | 1    |
| SP   | 5010–80–20   | 9V Battery Box w/Cable    | 1    |

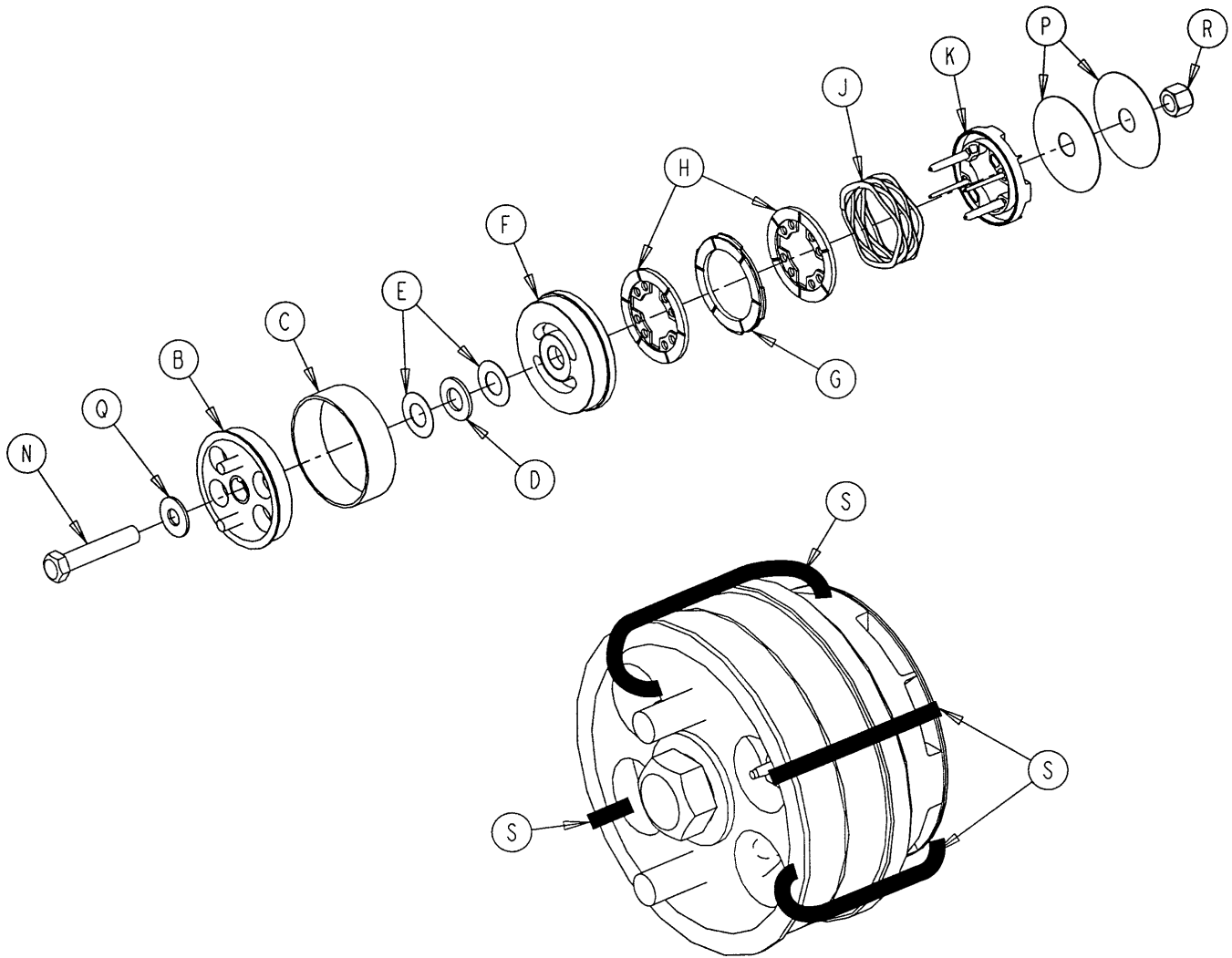
## Notes

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**2035–432–75 Actuator Box Cover Assembly**

| Item | Part No.    | Part Name               | Qty. |
|------|-------------|-------------------------|------|
| A    | 2035–332–75 | Main Actuator Box Cover | 1    |
| B    | 2035–332–76 | Actuator Box Side Cover | 1    |
| C    | 7–58        | Truss Hd. Torx          | 2    |

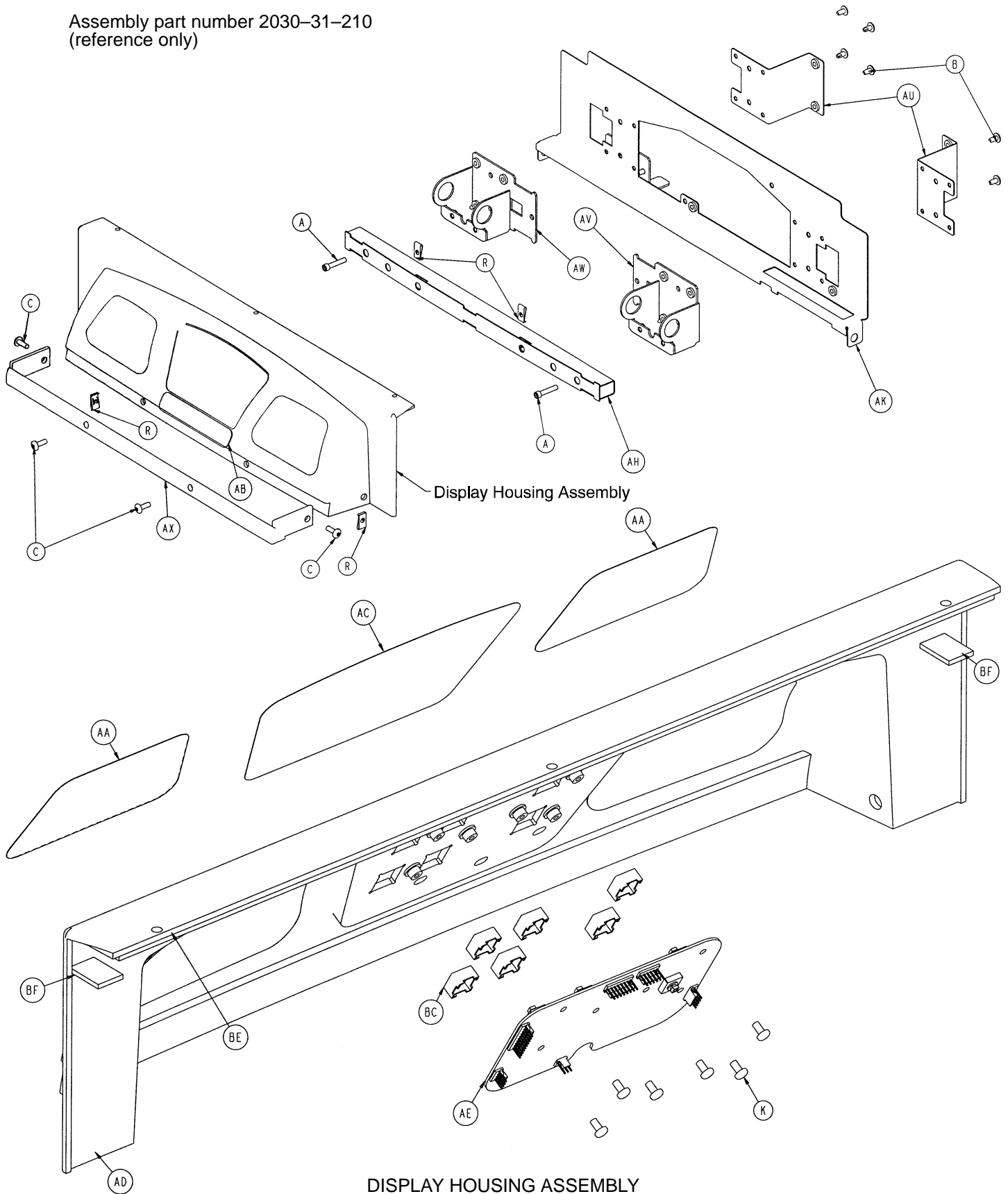
## 3001–300–775 Fowler Brake Kit Assembly



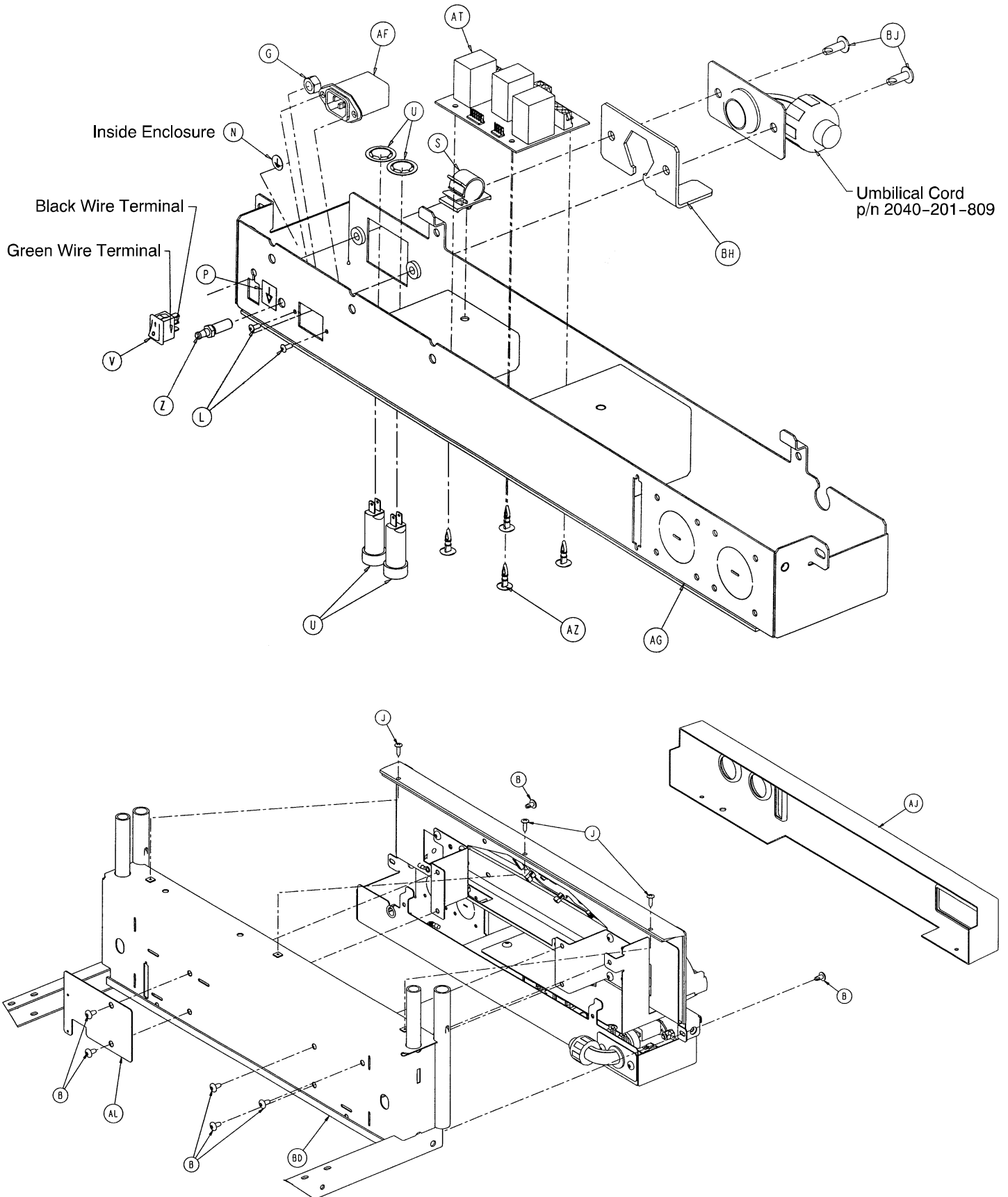
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| B    | 3001–300–455 | CPR Coupler Assembly      | 1    |
| C    | 3000–300–465 | CPR Clutch Spring         | 1    |
| D    | 81–212       | Thrust Needle Roller Brg. | 1    |
| E    | 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    | 3–64         | Hex Hd. Cap Screw         | 1    |
| P    | 3000–200–245 | Flat Washer               | 2    |
| Q    | 11–193       | Heavy Flat Washer         | 1    |
| R    | 16–12        | Nylock Nut                | 1    |
| S    | 3000–300–113 | 8" Wire Tie               | 4    |

## Epic+ Litter Option Assembly

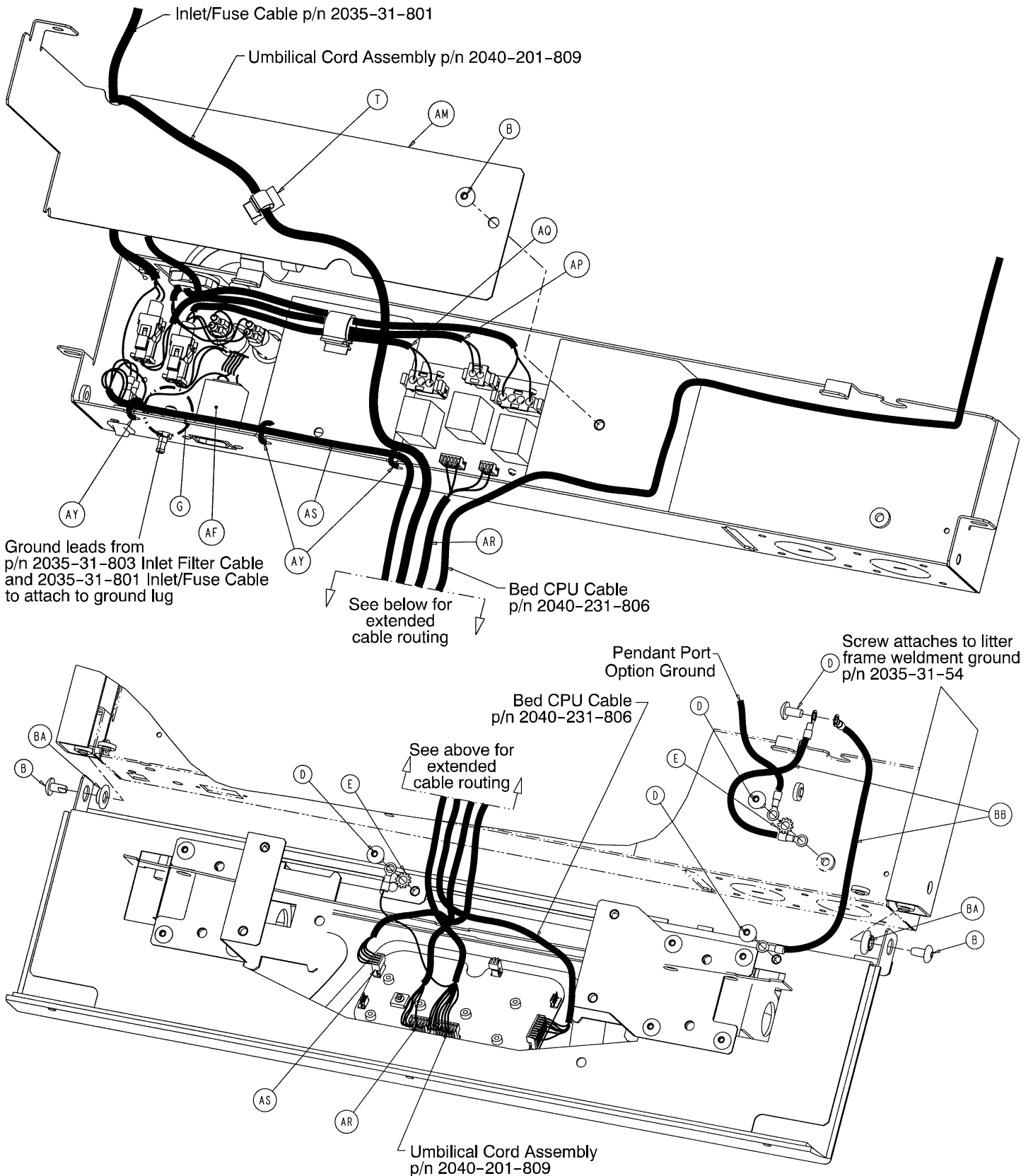
Assembly part number 2030–31–210  
(reference only)



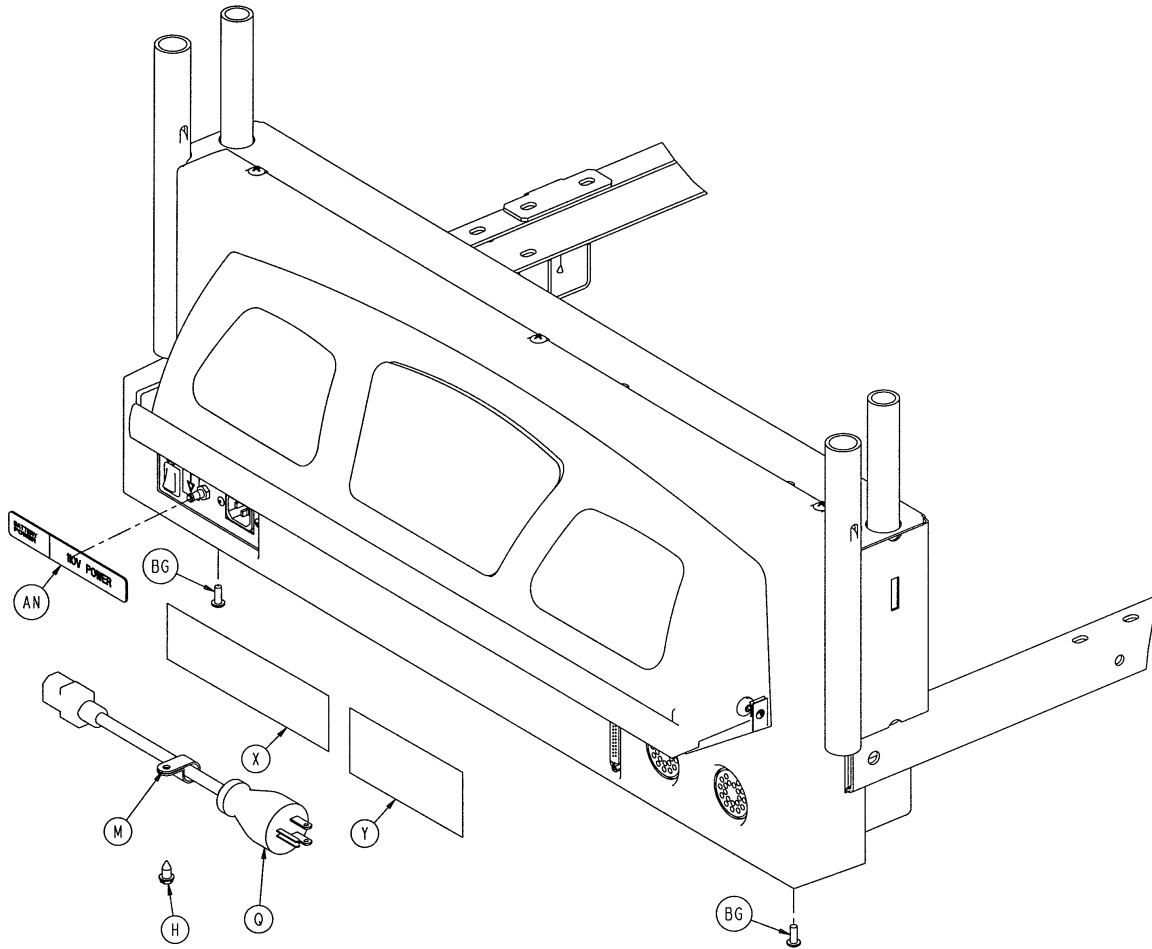
## Epic+ Litter Option Assembly



## Epic+ Litter Option Assembly



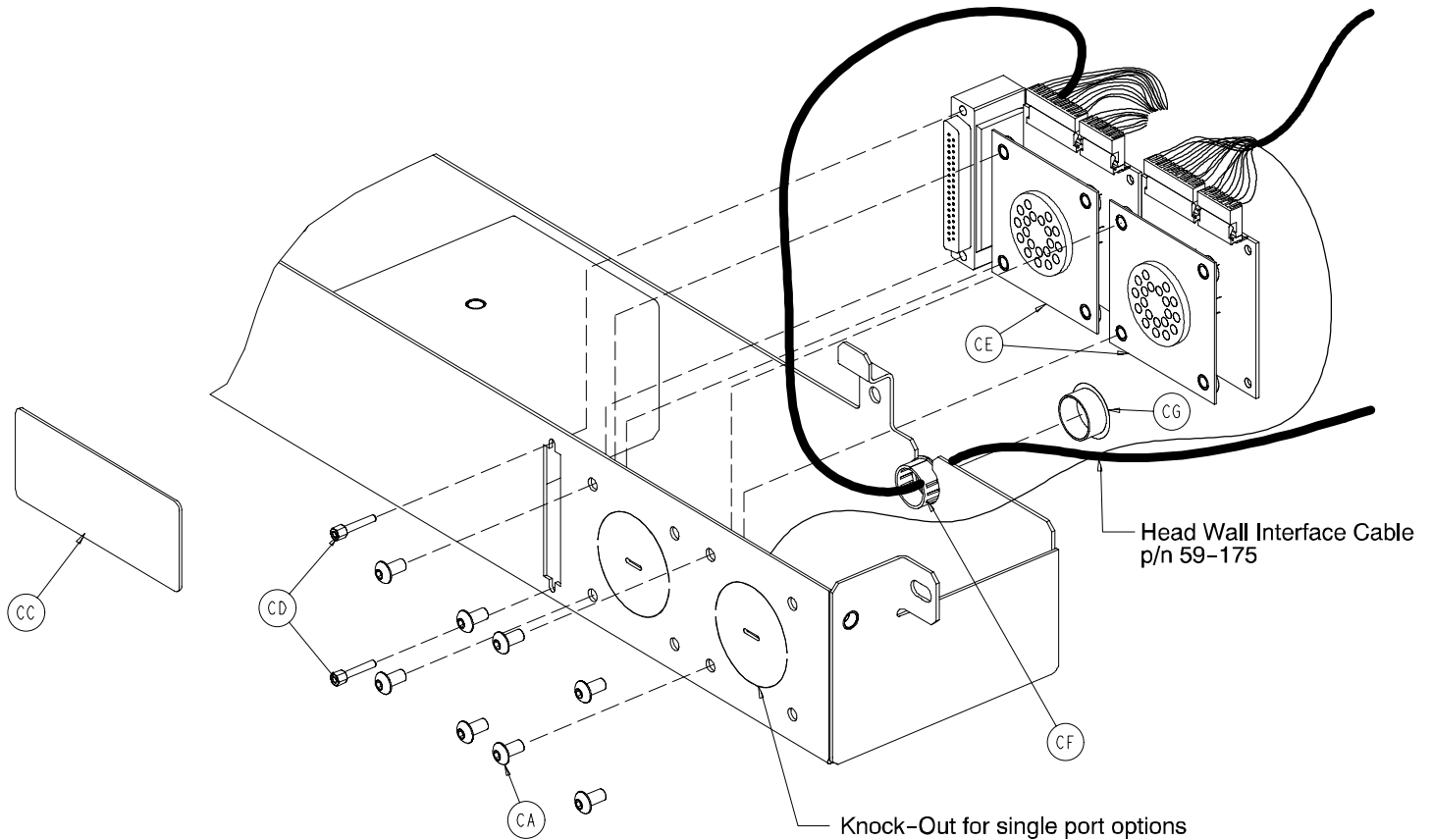
## Epic+ Litter Option Assembly



## Epic+ Litter Option Assembly

| Item | Part No.     | Part Name                      | Qty. |
|------|--------------|--------------------------------|------|
| A    | 4-142        | Soc. Hd. Cap Screw             | 2    |
| B    | 7-52         | Truss Hd. Torx                 | 18   |
| C    | 7-56         | Truss Hd. Torx                 | 4    |
| D    | 7-58         | Truss Hd. Torx                 | 4    |
| E    | 13-10        | External Tooth Lock Washer     | 5    |
| G    | 16-33        | Kep Nut                        | 2    |
| H    | 23-25        | Hex Washer Hd. Screw           | 1    |
| J    | 23-80        | Truss Hd. Screw                | 3    |
| K    | 23-112       | Pan Hd. Screw                  | 6    |
| L    | 25-40        | Rivet                          | 2    |
| M    | 34-22        | Cord Clamp                     | 1    |
| N    | 36-46        | Ground Label                   | 1    |
| P    | 36-115       | Ground Label                   | 1    |
| Q    | 39-254       | Power Cord                     | 1    |
| R    | 55-27        | "U" Type Nut                   | 4    |
| S    | 59-133       | Push-Mount Wire Clip           | 1    |
| T    | 59-136       | Push-Mount Wire Clip           | 1    |
| U    | 59-195       | 3.0A Circuit Breaker           | 2    |
| V    | 59-191       | On/Off Switch                  | 1    |
| W    | 59-781       | 4-Position Connector           | 2    |
| X    | 1550-90-1    | Hospital Plug Label            | 1    |
| Y    | 2011-1-104   | Anesthetics Danger Label       | 1    |
| Z    | 2011-1-215   | Grounding Lug                  | 1    |
| AA   | 2030-31-7    | Epic+ Logo Label               | 2    |
| AB   | 2030-31-9    | Instruction Label              | 1    |
| AC   | 2030-31-10   | Epic+ Head End Label           | 1    |
| AD   | 2030-31-208  | Top Display Housing            | 1    |
| AE   | 2030-31-910  | Display/CPU Board              | 1    |
| AF   | 2035-31-803  | Inlet Filter Cable             | 1    |
| AG   | 2040-31-53   | Bottom Head End Enclosure      | 1    |
| AH   | 2040-31-54   | Bumper Attachment Weldment     | 1    |
| AJ   | 2040-31-61   | Bottom Display Housing         | 1    |
| AK   | 2040-31-63   | Top Head End Enclosure         | 1    |
| AL   | 2040-31-77   | Cover Plate                    | 1    |
| AM   | 2040-31-92   | Head End Electronics Cover     | 1    |
| AN   | 2040-31-103  | Power Label                    | 1    |
| AP   | 2040-31-807  | Bed AC Power Jumper Cable      | 1    |
| AQ   | 2040-31-808  | Charger AC Jumper Cable        | 1    |
| AR   | 2040-31-809  | CPU/Crossover PCB Jumper Cable | 1    |
| AS   | 2040-31-810  | On/Off Cable                   | 1    |
| AT   | 2040-31-900  | AC Switchover PCB              | 1    |
| AU   | 2040-231-75  | Head End Reinforcement Bracket | 2    |
| AV   | 2040-31-110  | Pivot Bracket, Right           | 1    |
| AW   | 2040-31-111  | Pivot Bracket, Left            | 1    |
| AX   | 2040-231-69  | Display Bumper                 | 1    |
| AY   | 3000-300-114 | 4" Wire Tie                    | 3    |
| AZ   | 3000-300-115 | Standoff                       | 4    |
| BA   | 3001-300-99  | Pivot Bearing                  | 2    |
| BB   | 3001-300-870 | 8" Ground Strap                | 2    |
| BC   | 3001-400-953 | Switch Cap                     | 6    |
| BD   | 7000-1-326   | Foam Tape (26.75")             | 1    |
| BE   | 8800-380-000 | Foam Tape (26.25")             | 1    |
| BF   | 8800-380-000 | Foam Tape (1.25")              | 2    |
| BG   | 8800-233-500 | Phillips Pan Hd. Tapping Screw | 2    |
| BH   | 2040-31-85   | Umbilical Cord Support Plate   | 1    |
| BJ   | 7-65         | Truss Hd. Torx                 | 2    |

## Epic+ Litter Option Assembly



### 2030-31-200 Head Wall Communication Option

| Item | Part No.   | Part Name | Qty. |
|------|------------|-----------|------|
| CD   | 3001-300-7 | M/F Screw | 2    |
| CF   | 30-38      | Grommet   | 1    |

### 2030-31-201 Head Wall Comm. w/Nurse Call

| Item | Part No.   | Part Name | Qty. |
|------|------------|-----------|------|
| CD   | 3001-300-7 | M/F Screw | 2    |
| CF   | 30-38      | Grommet   | 1    |

### 2030-31-202 HW Comm. w/NC & 1 Stryker Port

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| CA   | 4-307        | But. Hd. Cap Screw       | 4    |
| CB   | 13-10        | Ext. Tooth Lock Washer   | 2    |
| CC   | 2040-31-104  | Cord Out Label           | 1    |
| CD   | 3001-300-7   | M/F Screw                | 2    |
| CE   | 3001-314-920 | Head Wall Pend. Port PCB | 1    |
| CF   | 30-38        | Grommet                  | 1    |

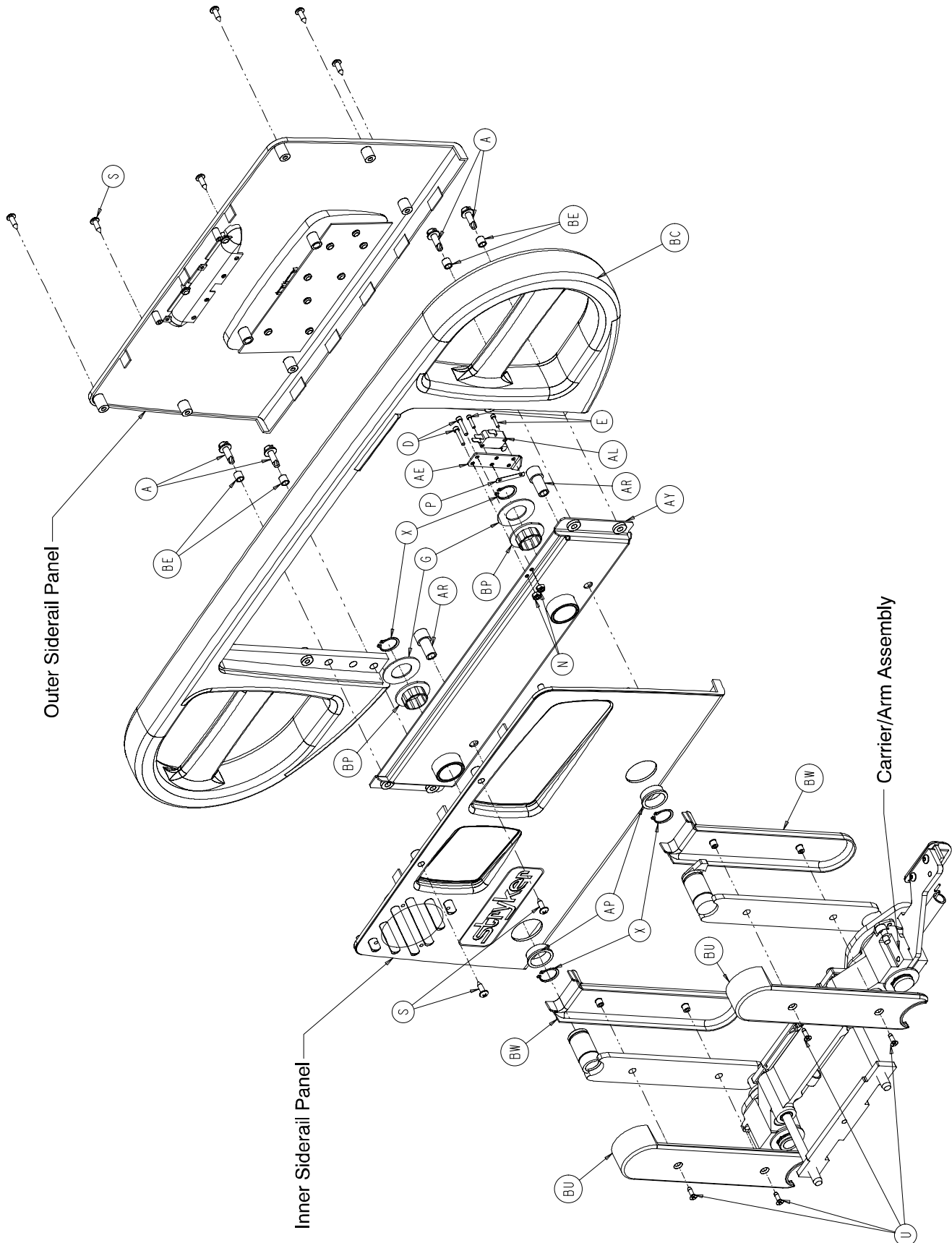
### 2030-31-203 HW Comm. w/NC & 2 Stryker Ports

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| CA   | 4-307        | But. Hd. Cap Screw       | 8    |
| CB   | 13-10        | Ext. Tooth Lock Washer   | 2    |
| CC   | 2040-31-104  | Cord Out Label           | 1    |
| CD   | 3001-300-7   | M/F Screw                | 2    |
| CE   | 3001-314-920 | Head Wall Pend. Port PCB | 2    |
| CF   | 30-38        | Grommet                  | 1    |

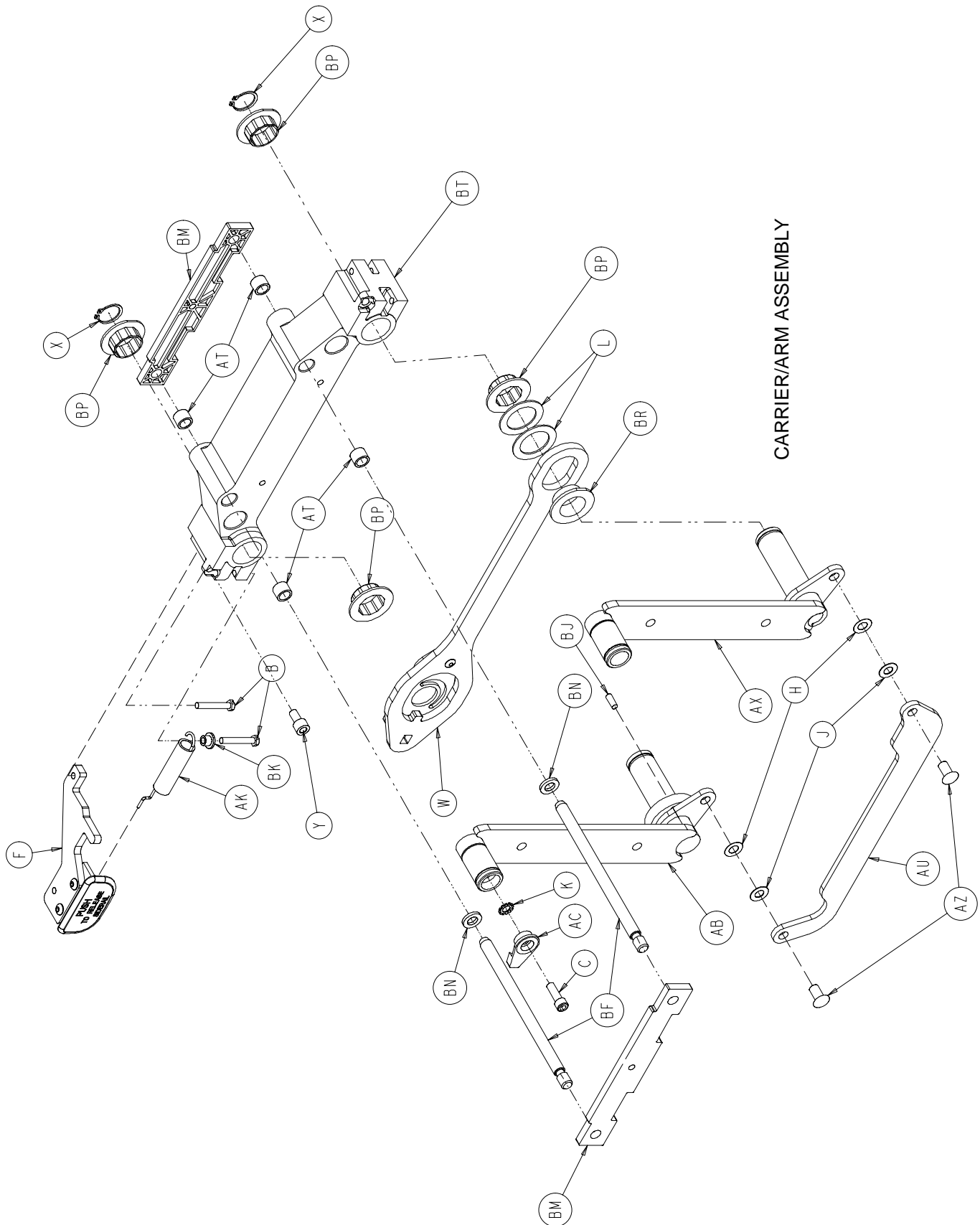
### 2030-31-204 No Head Wall Options

| Item | Part No. | Part Name | Qty. |
|------|----------|-----------|------|
| CG   | 37-30    | Hole Plug | 1    |

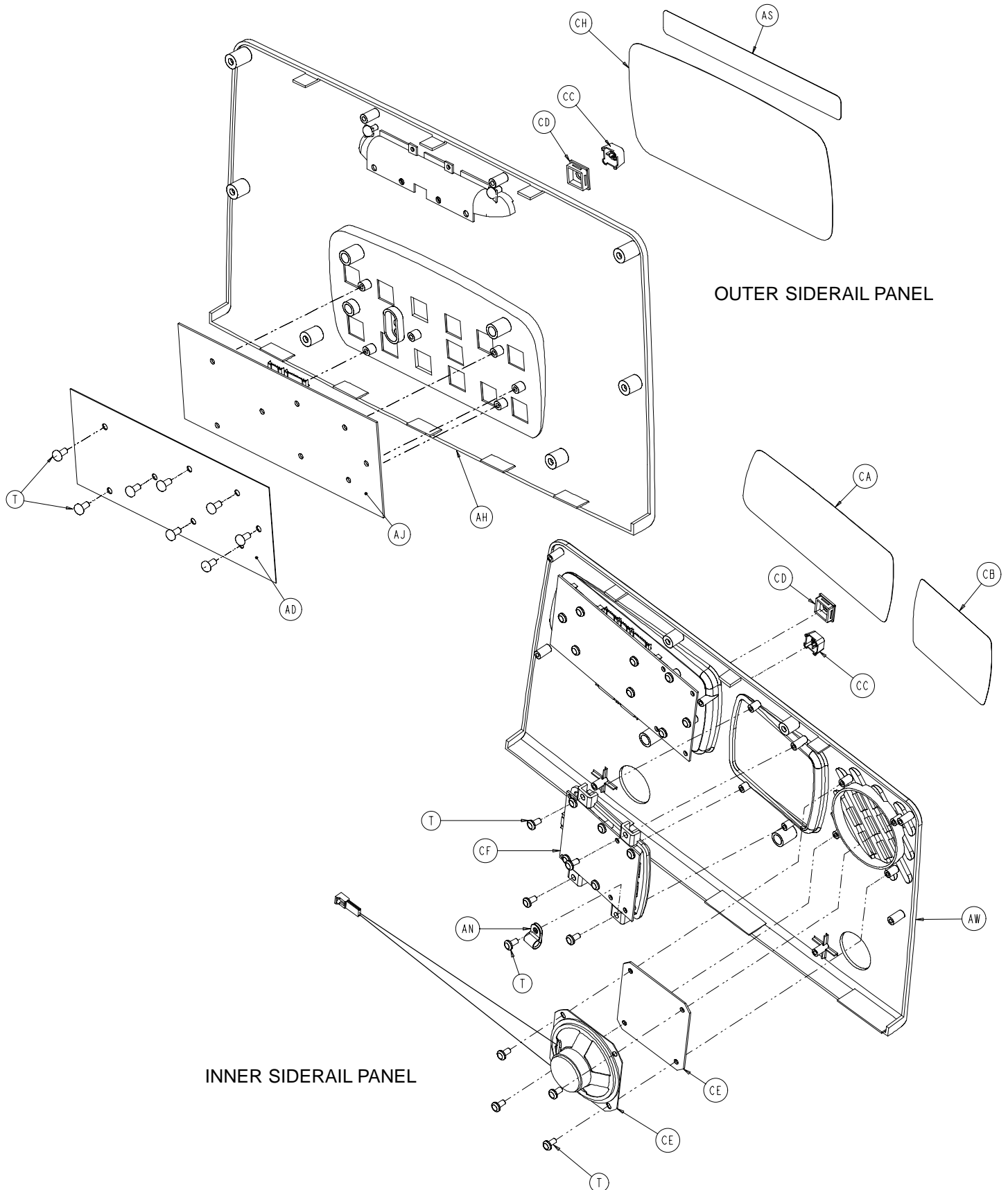
## Head End Siderail Assembly, Left and Right



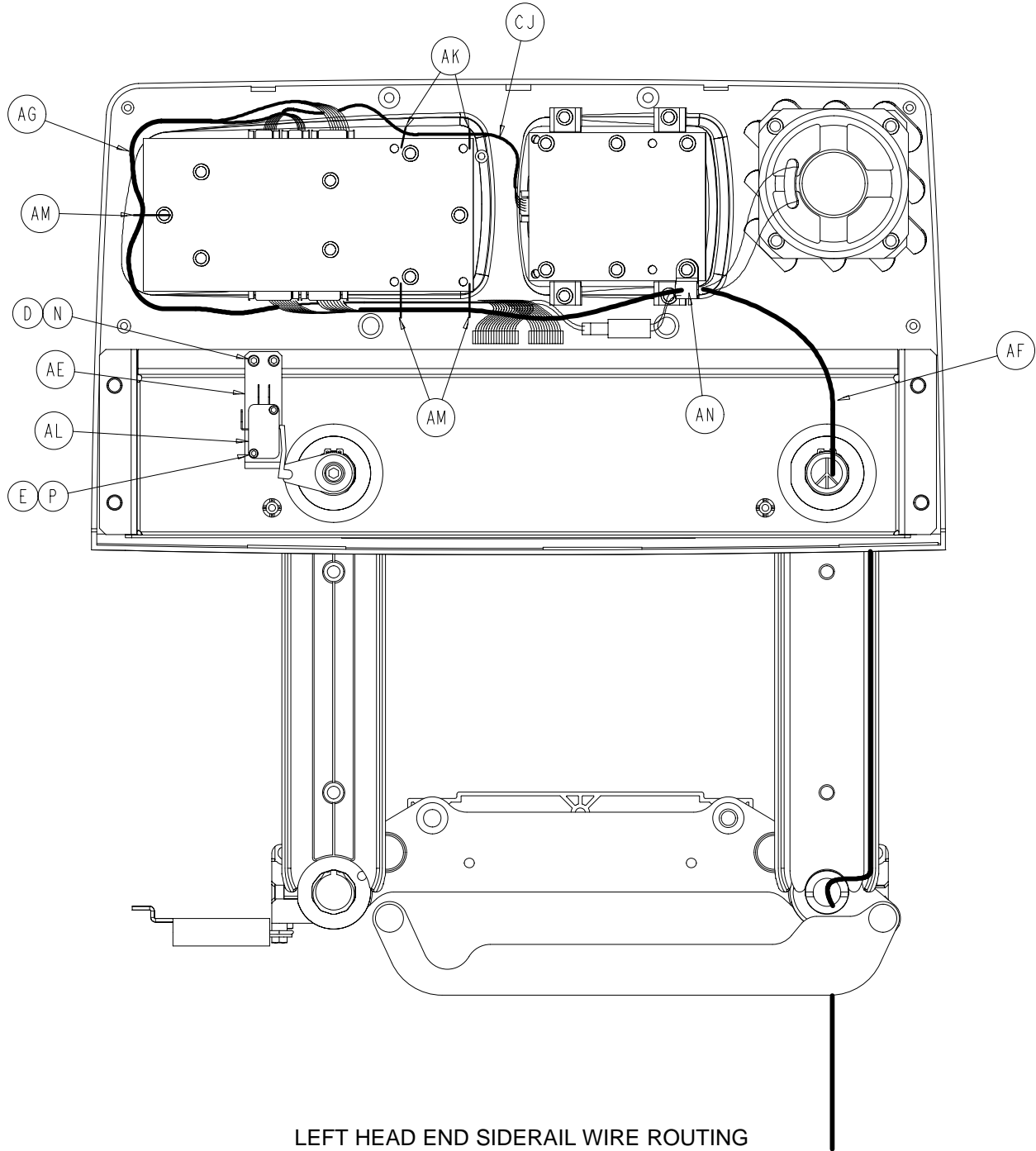
## Head End Siderail Assembly, Left and Right



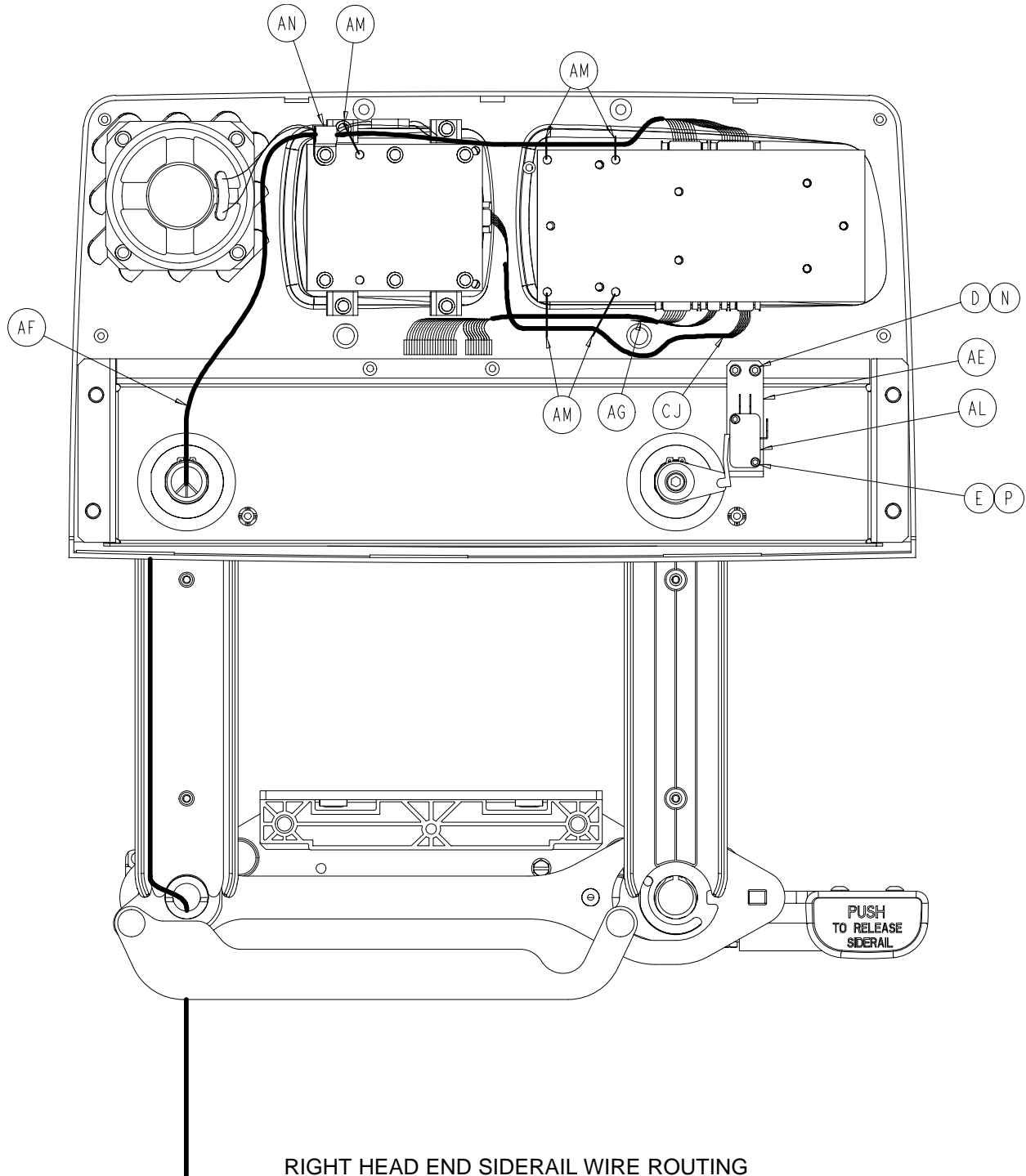
## Head End Siderail Assembly, Left and Right



## Head End Siderail Assembly, Left and Right



## Head End Siderail Assembly, Left and Right



## Head End Siderail Assembly, Left and Right

### 2030-400-105 Left Standard Components

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 3-226        | Hex Washer Hd. Screw       | 4    |
| B    | 3-344        | Hex Hd. Screw              | 2    |
| C    | 4-9          | Soc. Hd. Cap Screw         | 1    |
| D    | 4-101        | Soc. Hd. Cap Screw         | 2    |
| E    | 4-127        | Soc. Hd. Cap Screw         | 2    |
| F    | (page 10-74) | Release Lever Ass'y, Left  | 1    |
| G    | 11-343       | Shim Washer                | 2    |
| H    | 11-377       | Washer                     | 2    |
| J    | 11-403       | Steel Shim Washer          | 2    |
| K    | 13-10        | Ext. Tooth Lock Washer     | 1    |
| L    | 14-93        | Washer                     | 2    |
| N    | 16-23        | Fiberlock Nut              | 2    |
| P    | 16-69        | Twin Fastener              | 1    |
| R    | 23-86        | High-Low Tapping Screw     | 1    |
| S    | 23-90        | High-Low Tapping Screw     | 8    |
| T    | 23-112       | High-Low Tapping Screw     | 16   |
| U    | 23-180       | Fl. Hd. High-Low Tap. Scr. | 4    |
| W    | (page 10-63) | Latch Ass'y, Head, Left    | 1    |
| X    | 28-128       | Retaining Ring             | 6    |
| Y    | (page 10-65) | Detent Clip Assembly       | 1    |
| AB   | 2030-400-127 | Arm Wldmt., Lt., Hd., Ft.  | 1    |
| AC   | 2035-20-60   | Limit Switch Cam           | 1    |
| AD   | 2035-20-61   | Insulation Card            | 1    |
| AE   | 2035-20-62   | Limit Switch Bracket       | 1    |
| AF   | 2035-20-802  | Siderail Cable             | 1    |
| AG   | 2035-20-804  | Main Outside Cable, Lt.    | 1    |
| AH   | (page 10-66) | Outer Panel Assembly       | 1    |
| AJ   | 2035-400-900 | Outside Circuit Board      | 1    |
| AK   | 3000-200-334 | Release Lever Spring       | 1    |
| AL   | 3000-300-41  | Micro Switch               | 1    |
| AM   | 3000-300-114 | Cable Tie                  | 5    |
| AN   | 3000-300-478 | CPR Conduit Clamp          | 1    |
| AP   | 3000-400-513 | Wear Bushing               | 2    |
| AR   | 3000-400-523 | Panel Spacer               | 2    |
| AS   | 3000-400-556 | Warning Label              | 1    |
| AT   | 3000-400-557 | Sleeve Bearing             | 4    |
| AU   | 3001-400-11  | Head End Timing Link       | 1    |
| AW   | (page 10-67) | Inner Panel Assembly, Lt.  | 1    |
| AX   | 3001-400-128 | Arm Wldmt., Lt., Hd., Hd.  | 1    |
| AY   | 3001-400-130 | Supt. Wldmt., Head, Left   | 1    |
| AZ   | 3001-400-501 | Linkage Rivet              | 2    |
| BC   | 3001-400-515 | Head Rail                  | 1    |
| BD   | 3001-400-555 | Mounting Bracket           | 1    |
| BE   | 3001-400-558 | Slderail Spacer            | 4    |
| BF   | 3001-400-564 | Glide Rod                  | 2    |
| BJ   | 3002-400-505 | Bypass Pin                 | 1    |
| BM   | 3002-400-511 | Glide Rod Bumper Pad       | 2    |
| BN   | 3002-400-512 | Bumper Washer              | 2    |
| BP   | 3002-400-513 | Pivot Bushing              | 6    |
| BR   | 3002-400-519 | Latch Bushing              | 1    |
| BT   | 3002-400-528 | Carrier                    | 1    |
| BU   | 5000-20-5    | Inner Arm Cover            | 2    |
| BW   | 5000-20-6    | Outer Arm Cover            | 2    |

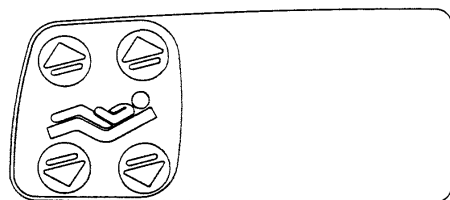
### 2030-400-205 Right Standard Components

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| A    | 3-226        | Hex Washer Hd. Screw       | 4    |
| B    | 3-344        | Hex Hd. Screw              | 2    |
| C    | 4-9          | Soc. Hd. Cap Screw         | 1    |
| D    | 4-101        | Soc. Hd. Cap Screw         | 2    |
| E    | 4-127        | Soc. Hd. Cap Screw         | 2    |
| F    | (page 10-75) | Release Lever Ass'y, Right | 1    |
| G    | 11-343       | Shim Washer                | 2    |
| H    | 11-377       | Washer                     | 2    |
| J    | 11-403       | Steel Shim Washer          | 2    |
| K    | 13-10        | Ext. Tooth Lock Washer     | 1    |
| L    | 14-93        | Washer                     | 2    |
| N    | 16-23        | Fiberlock Nut              | 2    |
| P    | 16-69        | Twin Fastener              | 1    |
| R    | 23-86        | High-Low Tapping Screw     | 1    |
| S    | 23-90        | High-Low Tapping Screw     | 8    |
| T    | 23-112       | High-Low Tapping Screw     | 16   |
| U    | 23-180       | Fl. Hd. High-Low Tap. Scr. | 4    |
| W    | (page 10-64) | Latch Ass'y, Head, Right   | 1    |
| X    | 28-128       | Retaining Ring             | 6    |
| Y    | (page 10-65) | Detent Clip Assembly       | 1    |
| AB   | 2030-400-227 | Arm Wldmt., Rt., Hd., Ft.  | 1    |
| AC   | 2035-20-60   | Limit Switch Cam           | 1    |
| AD   | 2035-20-61   | Insulation Card            | 1    |
| AE   | 2035-20-62   | Limit Switch Bracket       | 1    |
| AF   | 2035-20-802  | Siderail Cable             | 1    |
| AG   | 2035-20-803  | Main Outside Cable, Rt.    | 1    |
| AH   | (page 10-66) | Outer Panel Assembly       | 1    |
| AJ   | 2035-400-900 | Outside Circuit Board      | 1    |
| AK   | 3000-200-334 | Release Lever Spring       | 1    |
| AL   | 3000-300-41  | Micro Switch               | 1    |
| AM   | 3000-300-114 | Cable Tie                  | 5    |
| AN   | 3000-300-478 | CPR Conduit Clamp          | 1    |
| AP   | 3000-400-513 | Wear Bushing               | 2    |
| AR   | 3000-400-523 | Panel Spacer               | 2    |
| AS   | 3000-400-556 | Warning Label              | 1    |
| AT   | 3000-400-557 | Sleeve Bearing             | 4    |
| AU   | 3001-400-11  | Head End Timing Link       | 1    |
| AW   | (page 10-67) | Inner Panel Assembly, Rt.  | 1    |
| AX   | 3001-400-228 | Arm Wldmt., Rt., Hd., Hd.  | 1    |
| AY   | 3001-400-230 | Supt. Wldmt., Head, Right  | 1    |
| AZ   | 3001-400-501 | Linkage Rivet              | 2    |
| BC   | 3001-400-515 | Head Rail                  | 1    |
| BD   | 3001-400-555 | Mounting Bracket           | 1    |
| BE   | 3001-400-558 | Slderail Spacer            | 4    |
| BF   | 3001-400-564 | Glide Rod                  | 2    |
| BJ   | 3002-400-505 | Bypass Pin                 | 1    |
| BM   | 3002-400-511 | Glide Rod Bumper Pad       | 2    |
| BN   | 3002-400-512 | Bumper Washer              | 2    |
| BP   | 3002-400-513 | Pivot Bushing              | 6    |
| BR   | 3002-400-519 | Latch Bushing              | 1    |
| BT   | 3002-400-528 | Carrier                    | 1    |
| BU   | 5000-20-5    | Inner Arm Cover            | 2    |
| BW   | 5000-20-6    | Outer Arm Cover            | 2    |

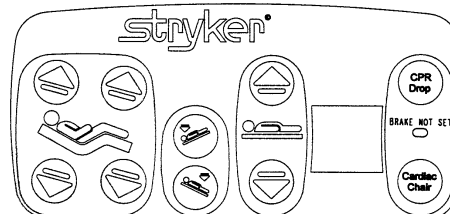
## Head End Siderail Assembly, Left and Right

### 2030–20–11 Standard Siderail

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| CA   | 2035–000–100 | Label, Standard, Left    | 1    |
| CA   | 2035–000–200 | Label, Standard, Right   | 1    |
| CC   | 3001–400–953 | Switch Cap               | 28   |
| CD   | 3001–400–522 | Filler Cap               | 18   |
| CE   | 3001–400–517 | Speaker Seal             | 2    |
| CF   | 3001–400–535 | Inner Panel Blank Module | 2    |
| CH   | 2030–000–300 | Label, Standard, Left    | 1    |
| CH   | 2030–000–400 | Label, Standard, Right   | 1    |



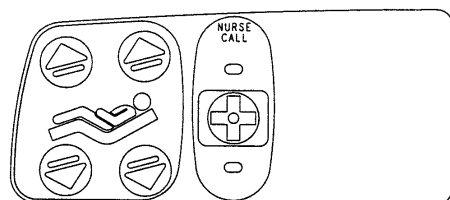
Right Inner Siderail Label



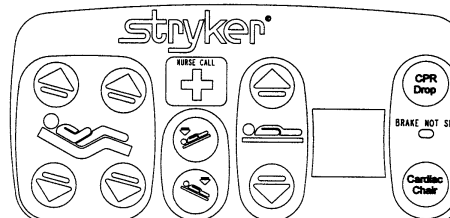
Right Outer Siderail Label

### 2030–20–12 Standard Siderail with Nurse Call

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| CA   | 2035–000–101 | Label, Standard, NC, Left  | 1    |
| CA   | 2035–000–201 | Label, Standard, NC, Right | 1    |
| CC   | 3001–400–953 | Switch Cap                 | 32   |
| CD   | 3001–400–522 | Filler Cap                 | 14   |
| CE   | 3001–403–831 | Speaker with Cable         | 2    |
| CF   | 3001–400–535 | Inner Panel Blank Module   | 2    |
| CH   | 2030–000–301 | Label, Standard, NC, Left  | 1    |
| CH   | 2030–000–401 | Label, Standard, NC, Right | 1    |



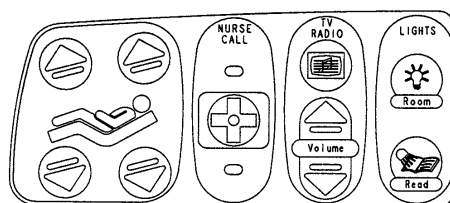
Right Inner Siderail Label



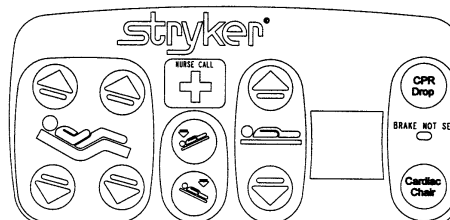
Right Outer Siderail Label

### 2030–20–15 Standard Siderail w/NC & Comm.

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| CA   | 2035–000–102 | Label, Standard, Left    | 1    |
| CA   | 2035–000–202 | Label, Standard, Right   | 1    |
| CC   | 3001–400–953 | Switch Cap               | 42   |
| CD   | 3001–400–522 | Filler Cap               | 4    |
| CE   | 3001–403–831 | Speaker with Cable       | 2    |
| CF   | 3001–400–535 | Inner Panel Blank Module | 2    |
| CH   | 2030–000–301 | Label, Standard, NC, Lt. | 1    |
| CH   | 2030–000–401 | Label, Standard, NC, Rt. | 1    |



Right Inner Siderail Label

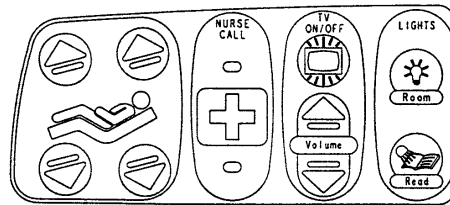


Right Outer Siderail Label

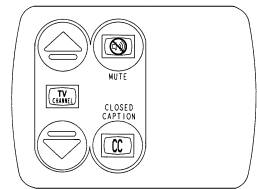
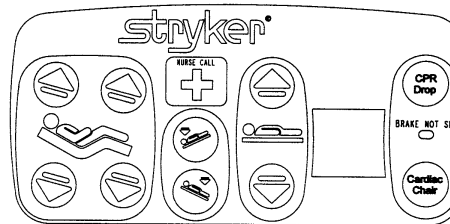
## Head End Siderail Assembly, Left and Right

### 2030–20–21 Std. Siderail w/NC & STV

| Item | Part No.     | Part Name                  | Qty. |
|------|--------------|----------------------------|------|
| AN   | 3000–300–114 | Cable Tie                  | 3    |
| CA   | 2035–000–106 | Label, Std., NC, STV., Lt. | 1    |
| CA   | 2035–000–206 | Label, Std., NC, STV., Rt. | 1    |
| CB   | 2035–000–109 | Label, CC & Mute, Left     | 1    |
| CB   | 2035–000–209 | Label, CC & Mute, Right    | 1    |
| CC   | 3001–400–953 | Switch Cap                 | 42   |
| CD   | 3001–400–522 | Filler Cap                 | 4    |
| CE   | 3001–403–831 | Speaker with Cable         | 2    |
| CF   | (page 10–68) | STV Module, Left           | 1    |
| CF   | (page 10–69) | STV Module, Right          | 1    |
| CH   | 2030–000–301 | Label, Standard, NC, Lt.   | 1    |
| CH   | 2030–000–401 | Label, Standard, NC, Rt.   | 1    |
| CJ   | 3001–402–803 | Main to Opt. PCB Cable     | 2    |

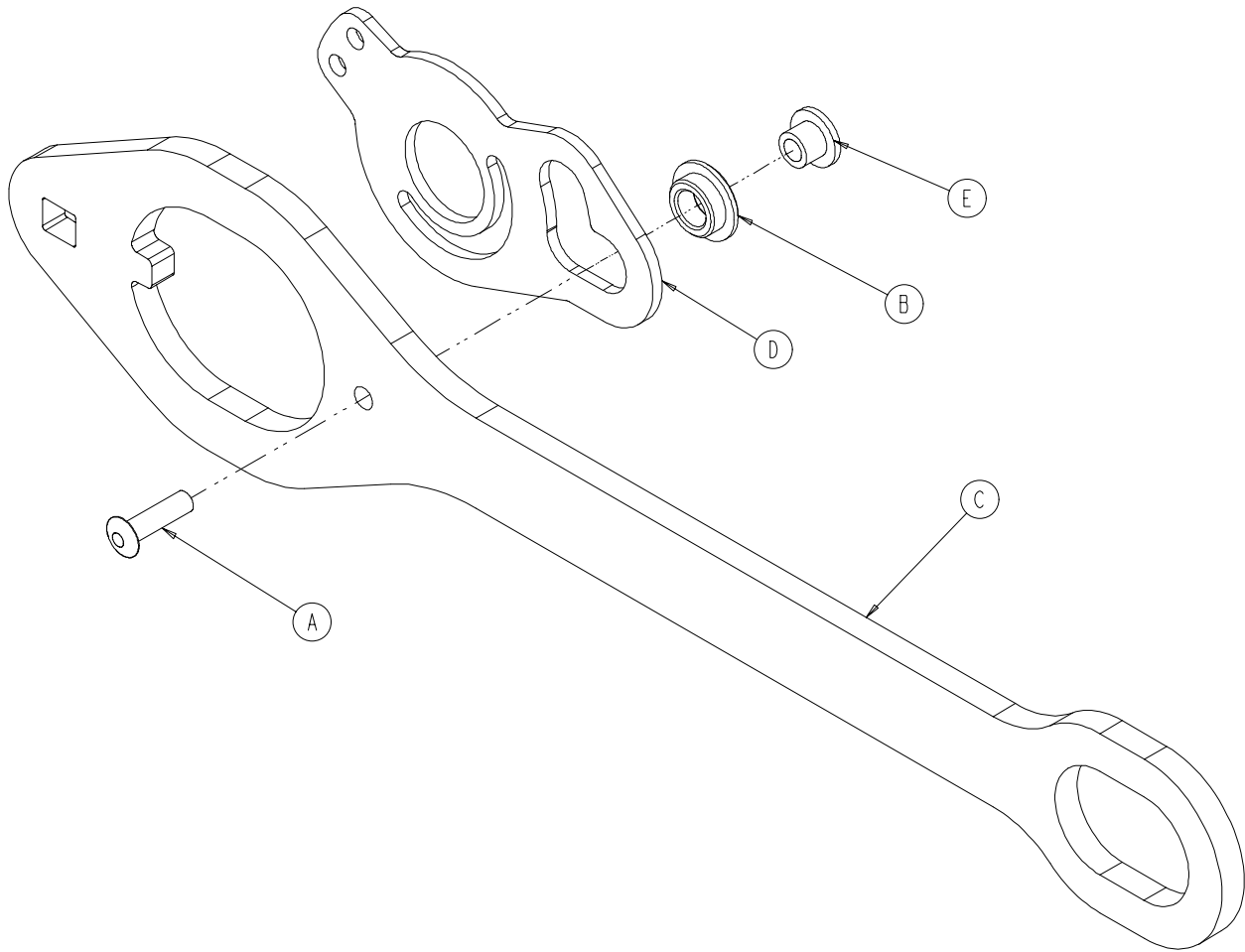


Right Inner Siderail Label

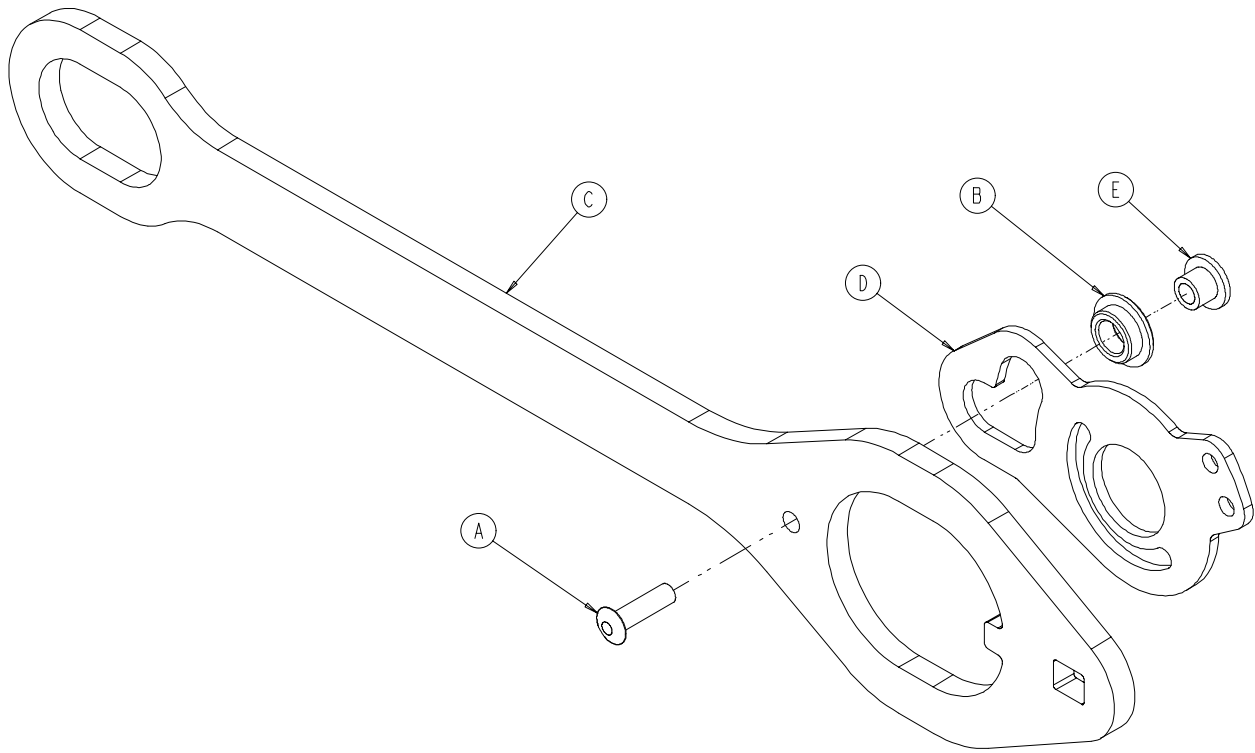
Inner  
STV  
Label

Right Outer Siderail Label

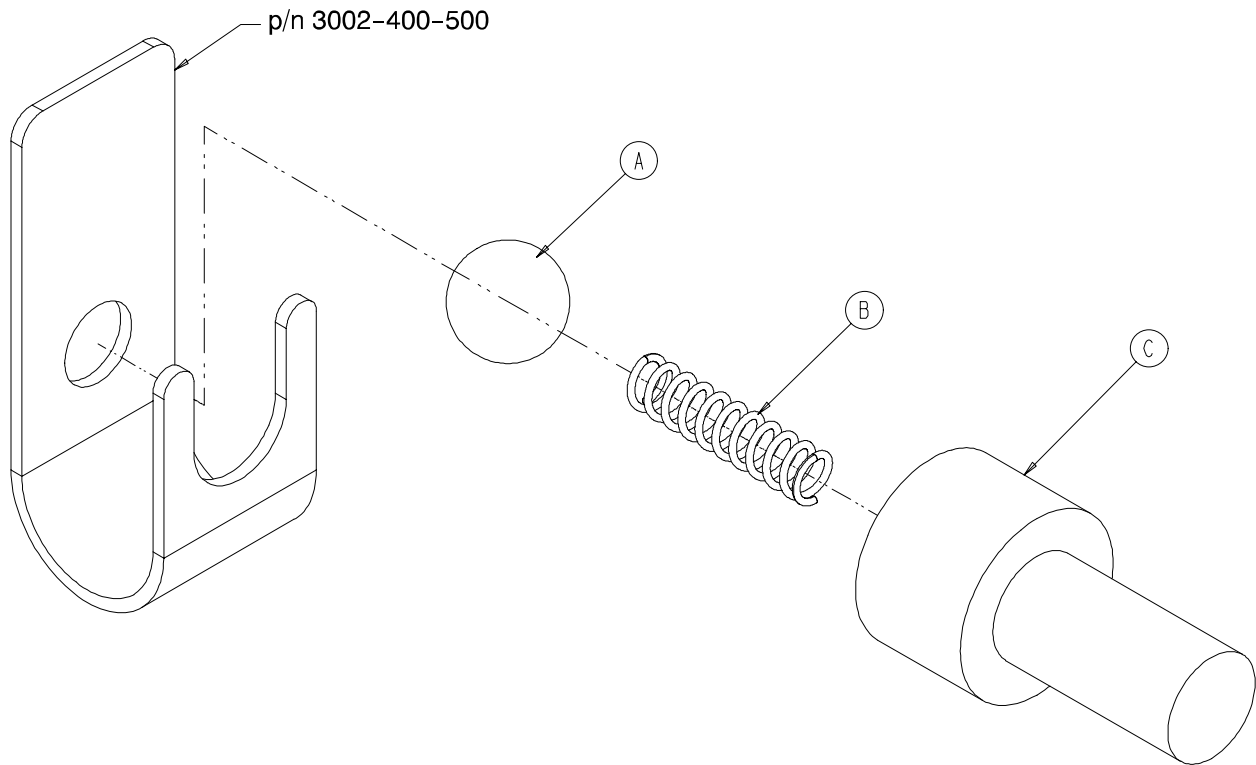
## 3002–400–70 Siderail Latch Assembly, Head End, Left



| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 26–86        | Blind Rivet           | 1    |
| B    | 81–317       | Bronze Bushing        | 1    |
| C    | 3002–400–501 | Latch                 | 1    |
| D    | 3002–400–503 | Head End Bypass Plate | 1    |
| E    | 3002–400–509 | Bypass Bushing Spacer | 1    |

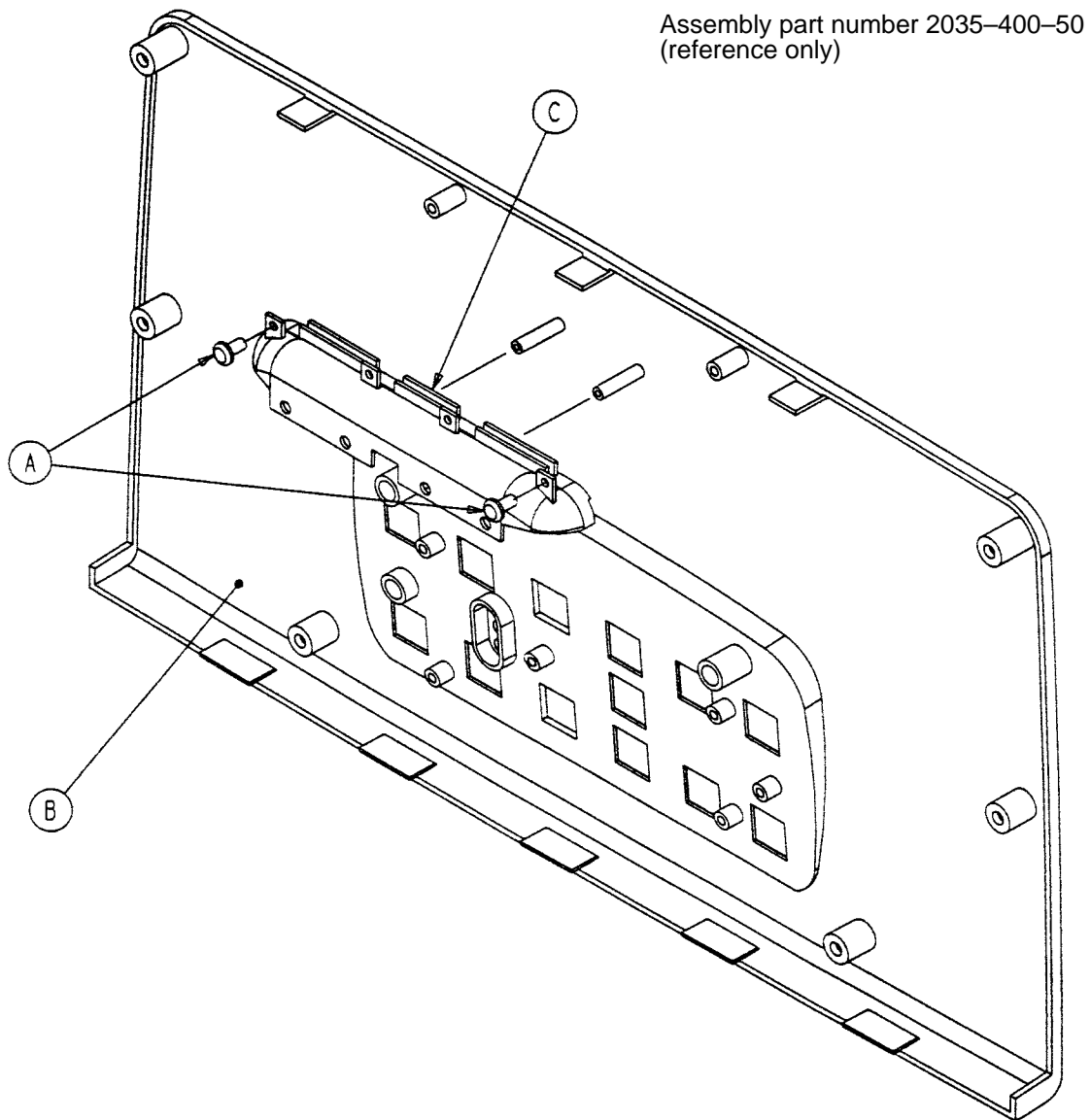
**3002–400–75 Siderail Latch Assembly, Head End, Right**

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 26–86        | Blind Rivet           | 1    |
| B    | 81–317       | Bronze Bushing        | 1    |
| C    | 3002–400–501 | Latch                 | 1    |
| D    | 3002–400–503 | Head End Bypass Plate | 1    |
| E    | 3002–400–509 | Bypass Bushing Spacer | 1    |

**3002–400–90 Siderail Bypass Detent Clip Assembly**

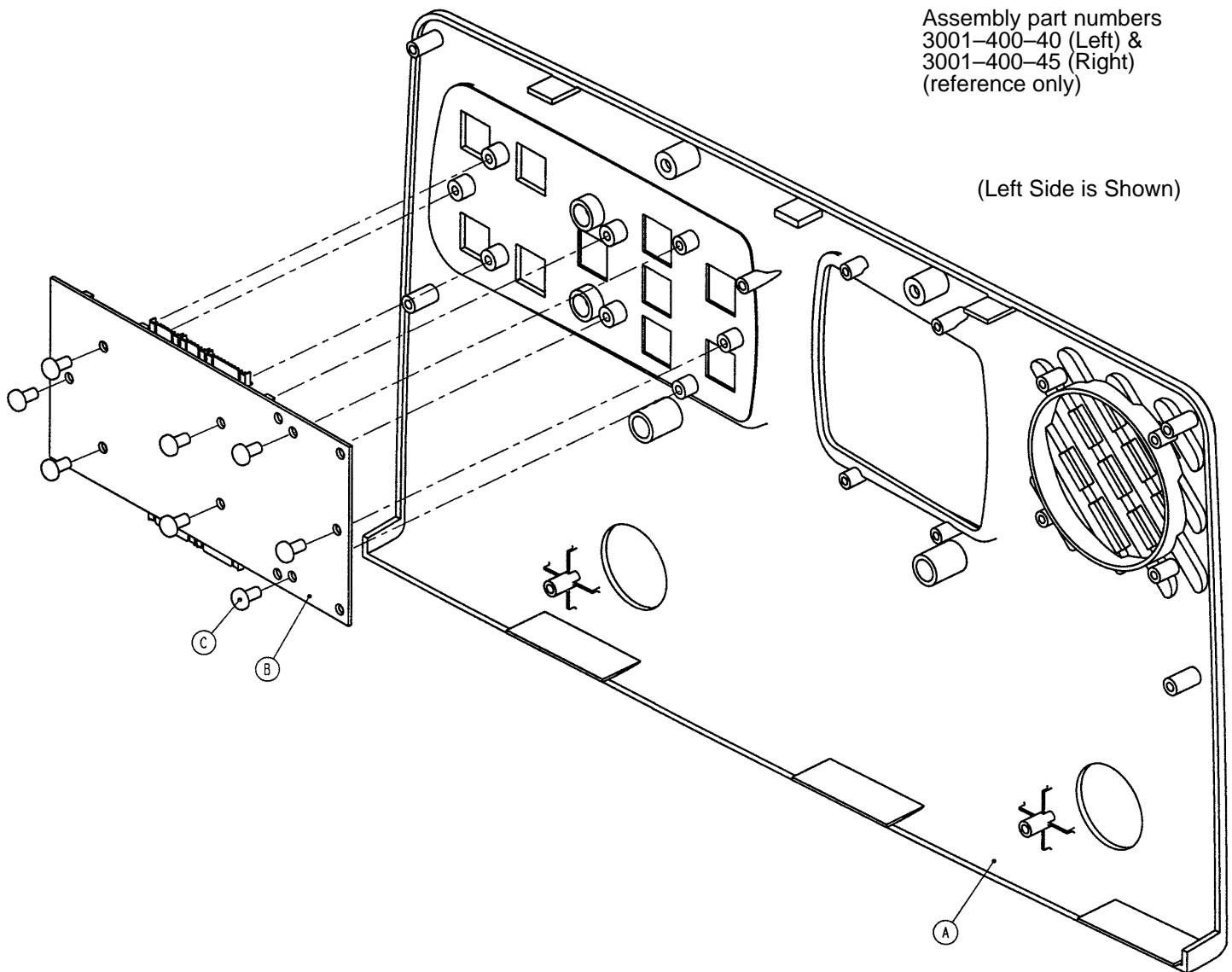
| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 31–137       | Steel Ball            | 1    |
| B    | 38–464       | Compression Spring    | 1    |
| C    | 3002–400–524 | Bypass Detent Housing | 1    |

## Head End Siderail Outer Panel Assembly



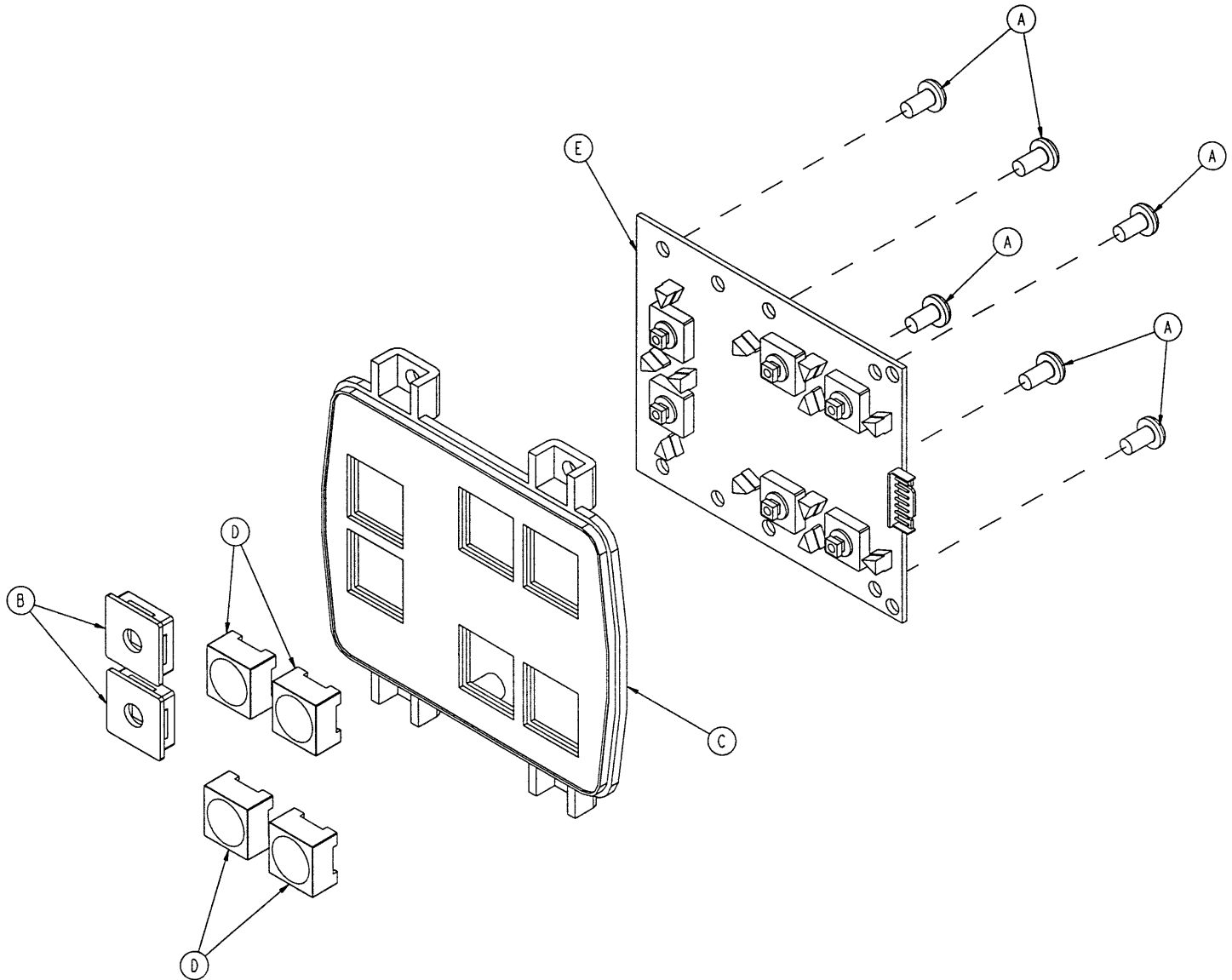
| Item | Part No.     | Part Name            | Qty. |
|------|--------------|----------------------|------|
| A    | 23-112       | Hi-Low Tapping Screw | 2    |
| B    | 2035-400-102 | Outer Panel          | 1    |
| C    | 3001-400-599 | Handle Insert        | 1    |

## Siderail Inner Panel Assembly



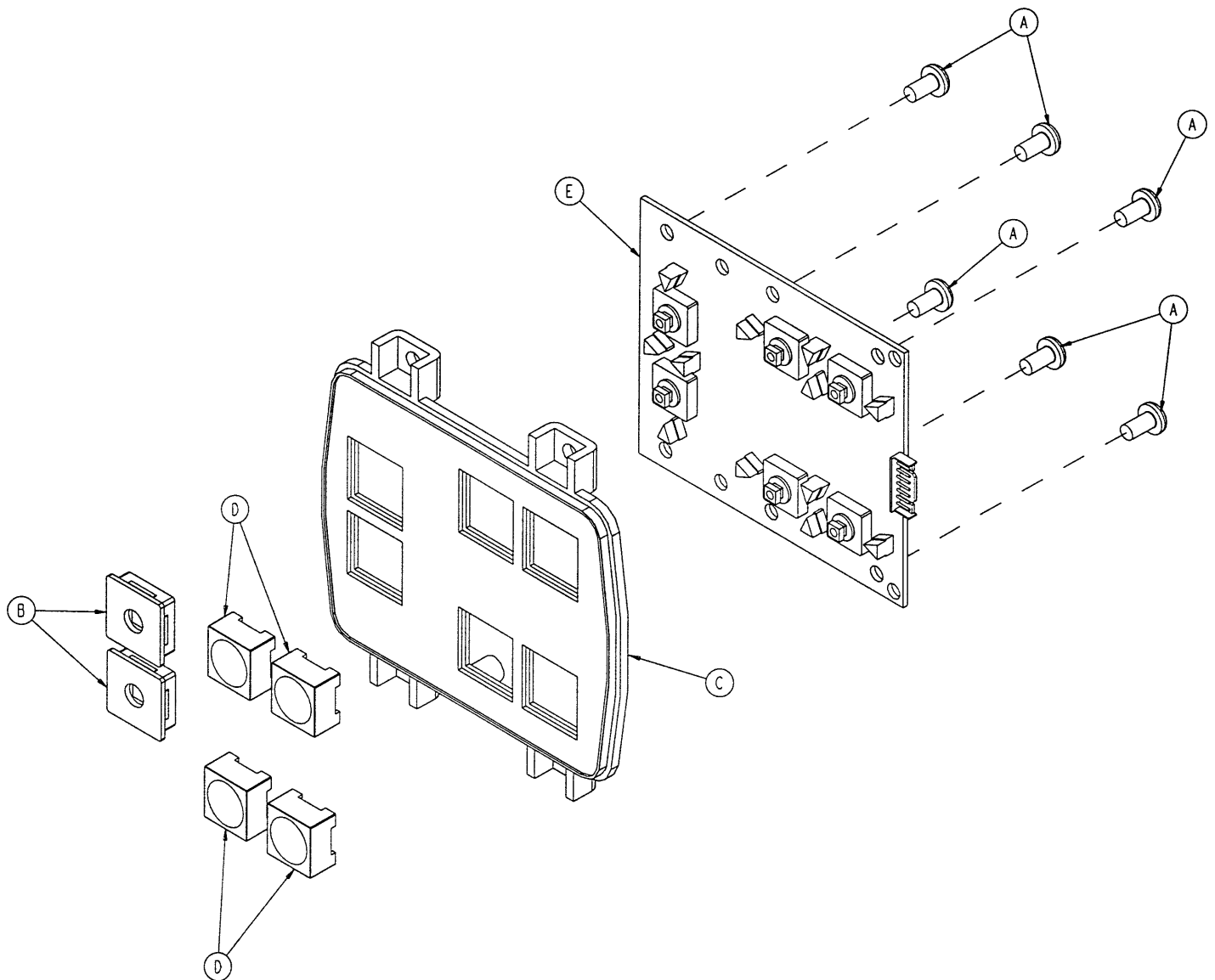
| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 3001-400-101 | Left Inner Panel            | 1    |
|      | 3001-400-201 | Right Inner Panel           | 1    |
| B    | 3001-400-900 | Inner Siderail PCB Assembly | 1    |
| C    | 23-112       | Hi-Low Tapping Screw        | 8    |

## 2035–400–51 Optional Smart TV Siderail Module, Left



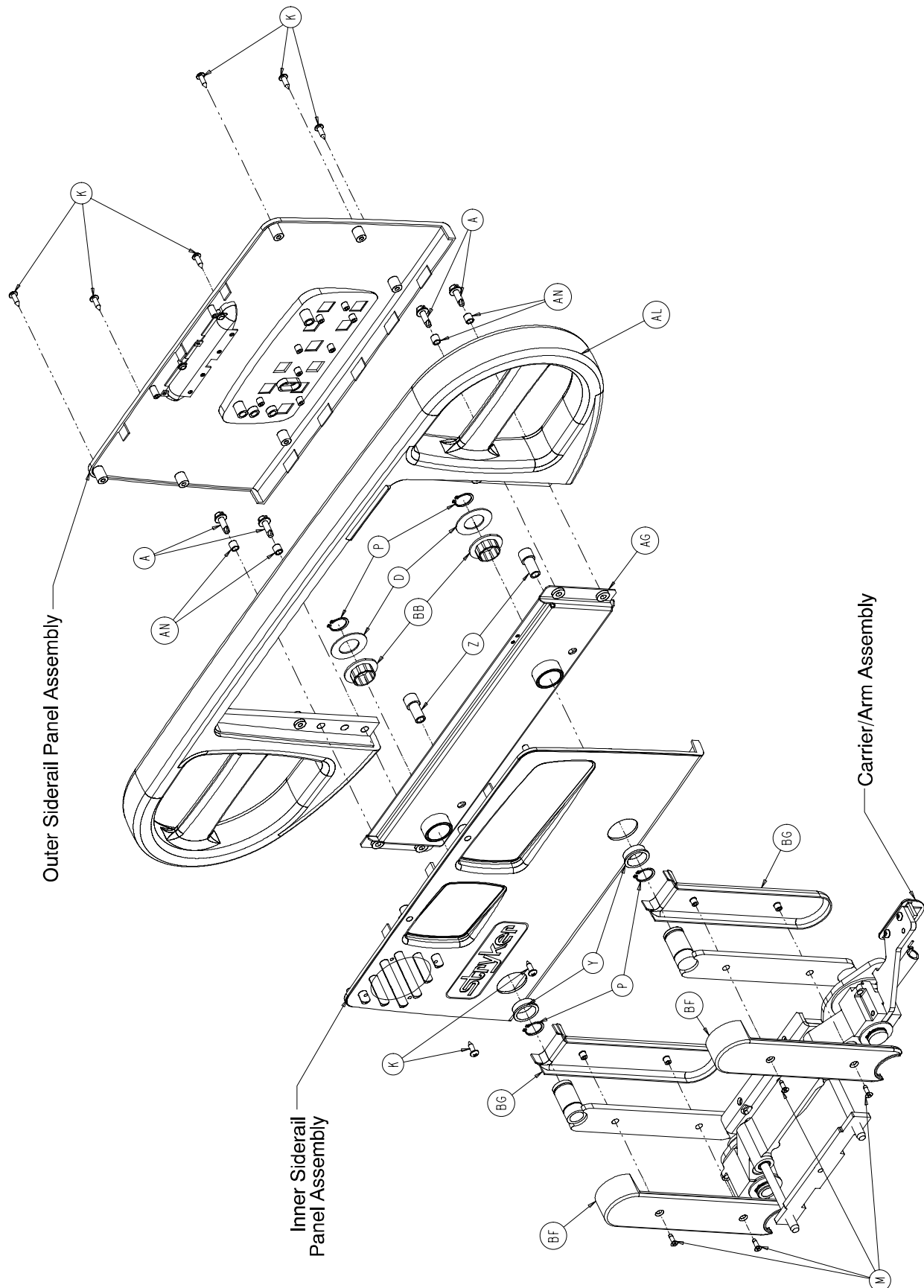
| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 23–112       | Ph. Hd. Hi–Lo Tapping Screw | 6    |
| B    | 3001–400–522 | Filler Cap                  | 2    |
| C    | 3001–400–524 | Module                      | 1    |
| D    | 3001–400–953 | Switch Cap                  | 4    |
| E    | 5000–400–930 | Keypad PCB, Left            | 1    |

## 2035–400–53 Optional Smart TV Siderail Module, Right

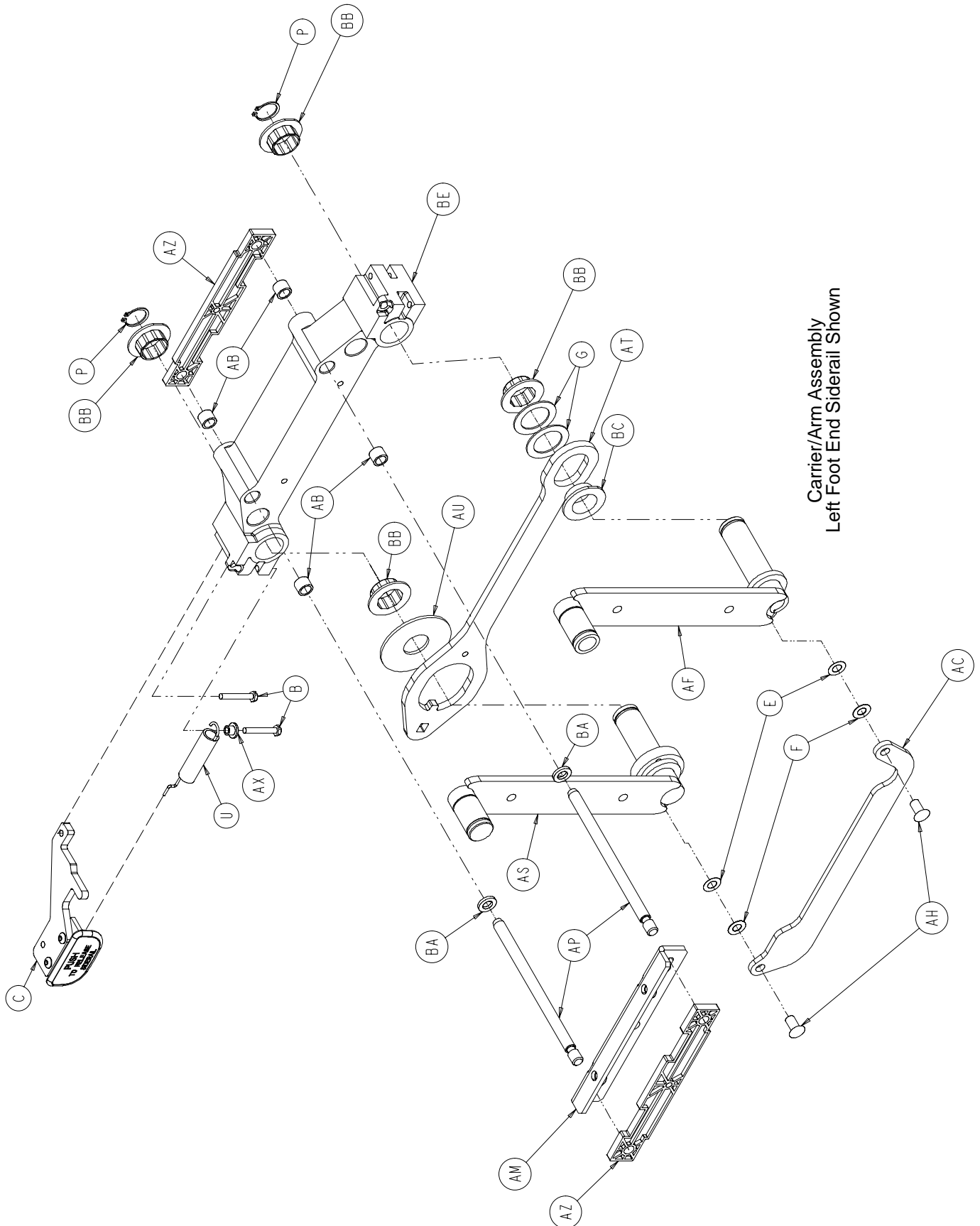


| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 23–112       | Ph. Hd. Hi–Lo Tapping Screw | 6    |
| B    | 3001–400–522 | Filler Cap                  | 2    |
| C    | 3001–400–524 | Module                      | 1    |
| D    | 3001–400–953 | Switch Cap                  | 4    |
| E    | 5000–400–920 | Keypad PCB, Right           | 1    |

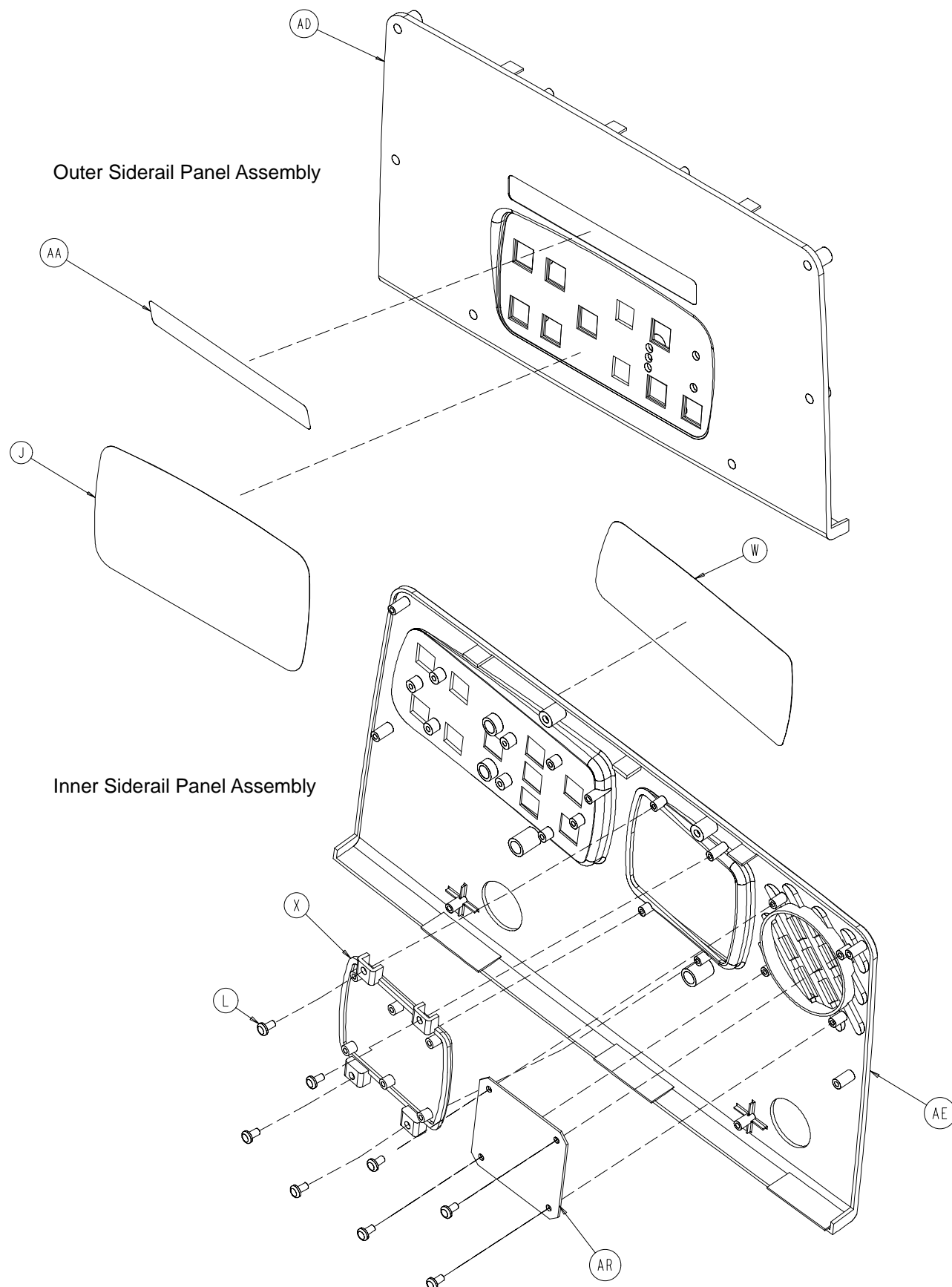
## Foot End Siderail Assembly, Left and Right



## Foot End Siderail Assembly, Left and Right



## Foot End Siderail Assembly, Left and Right



## Foot End Siderail Assembly, Left and Right

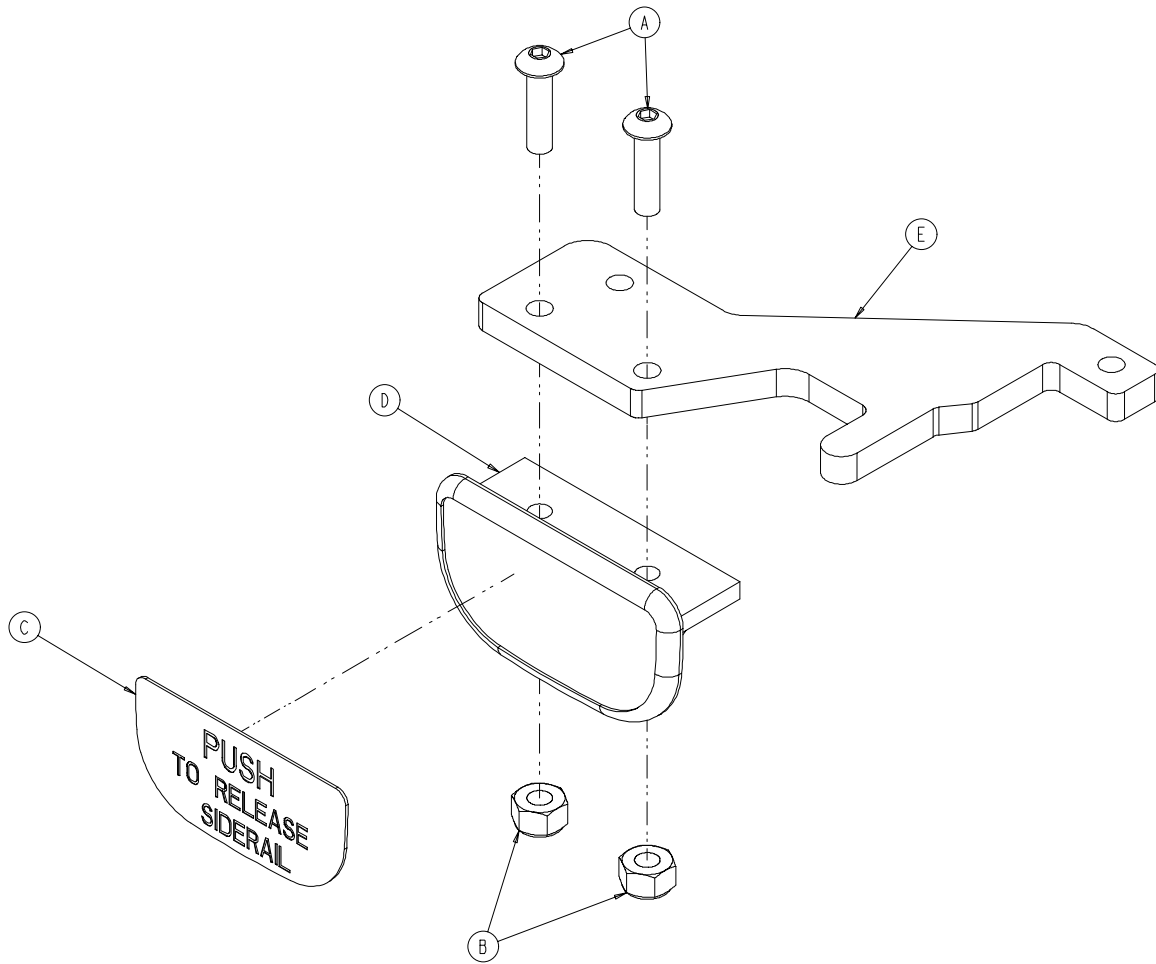
**2030-400-305 Left Common Components**

| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 3-226        | Hex Washer Hd. Screw        | 4    |
| B    | 3-344        | Hex Hd. Cap Screw           | 2    |
| C    | (page 10-74) | Release Lever Ass'y, Lt.    | 1    |
| D    | 11-343       | Shim Washer                 | 2    |
| E    | 11-377       | Washer                      | 2    |
| F    | 11-403       | Steel Shim Washer           | 2    |
| G    | 14-93        | Washer                      | 2    |
| J    | 2030-231-8   | Outside Label               | 1    |
| K    | 23-90        | Pan Hd. Tapping Screw       | 8    |
| L    | 23-112       | Pan Hd. High-Low Tap. Scr.  | 8    |
| M    | 23-280       | Flat Hd. High-Low Tap. Scr. | 4    |
| P    | 28-128       | Retaining Ring              | 6    |
| U    | 3000-200-334 | Extension Spring            | 1    |
| W    | 3001-445-621 | Blank Label, Left           | 1    |
| X    | 3001-400-535 | Inner Panel Blank Module    | 1    |
| Y    | 3000-400-513 | Wear Bushing                | 2    |
| Z    | 3000-400-523 | Panel Spacer                | 2    |
| AA   | 3000-400-556 | Warning Label               | 1    |
| AB   | 3000-400-557 | Sleeve Bearing              | 4    |
| AC   | 3001-400-11  | Head End Timing Link        | 1    |
| AD   | 3001-400-50  | Outer Siderail Panel        | 1    |
| AE   | 3001-400-101 | Inner Siderail Panel, Left  | 1    |
| AF   | 3001-400-228 | Arm Weldment, Rt., Hd., Hd. | 1    |
| AG   | 3001-400-130 | Supt. Wldmt., Head, Left    | 1    |
| AH   | 3001-400-501 | Siderail Linkage Rivet      | 2    |
| AL   | 3001-400-515 | Head Rail                   | 1    |
| AM   | 3001-400-555 | Mounting Bracket            | 1    |
| AN   | 3001-400-558 | Siderail Spacer             | 4    |
| AP   | 3001-400-564 | Glide Rod                   | 2    |
| AR   | 3001-400-517 | Speaker Seal                | 1    |
| AS   | 2030-400-327 | Arm Wldmt., Lt., Ft., Ft.   | 1    |
| AT   | 3002-400-501 | Latch                       | 1    |
| AU   | 11-185       | Washer                      | 1    |
| AW   | 3002-400-505 | Bypass Pin                  | 1    |
| AX   | 3002-400-509 | Bypass Bushing Spacer       | 1    |
| AZ   | 3002-400-511 | Glide Rod Bumper Pad        | 2    |
| BA   | 3002-400-512 | Bumper Washer               | 2    |
| BB   | 3002-400-513 | Pivot Bushing               | 6    |
| BC   | 3002-400-519 | Latch Bushing               | 1    |
| BE   | 3002-400-528 | Siderail Carrier            | 1    |
| BF   | 5000-20-5    | Inner Arm Cover             | 2    |
| BG   | 5000-20-6    | Outer Arm Cover             | 2    |

**2030-400-405 Right Common Components**

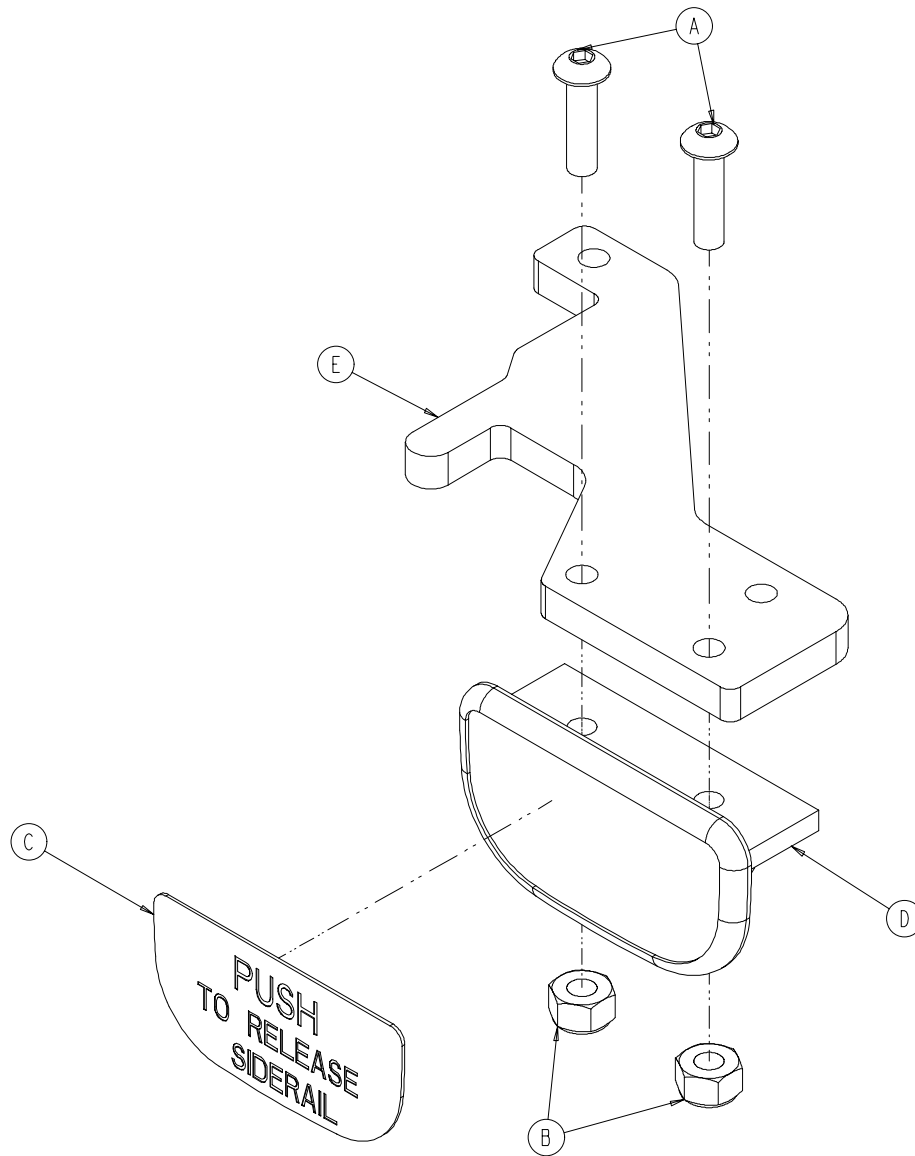
| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 3-226        | Hex Washer Hd. Screw        | 4    |
| B    | 3-344        | Hex Hd. Cap Screw           | 2    |
| C    | (page 10-75) | Release Lever Ass'y, Rt.    | 1    |
| D    | 11-343       | Shim Washer                 | 2    |
| E    | 11-377       | Washer                      | 2    |
| F    | 11-403       | Steel Shim Washer           | 2    |
| G    | 14-93        | Washer                      | 2    |
| J    | 2030-231-8   | Outside Label               | 1    |
| K    | 23-90        | Pan Hd. Tapping Screw       | 8    |
| L    | 23-112       | Pan Hd. High-Low Tap. Scr.  | 8    |
| M    | 23-280       | Flat Hd. High-Low Tap. Scr. | 4    |
| P    | 28-128       | Retaining Ring              | 6    |
| U    | 3000-200-334 | Extension Spring            | 1    |
| W    | 3001-445-611 | Blank Label, Right          | 1    |
| X    | 3001-400-535 | Inner Panel Blank Module    | 1    |
| Y    | 3000-400-513 | Wear Bushing                | 2    |
| Z    | 3000-400-523 | Panel Spacer                | 2    |
| AA   | 3000-400-556 | Warning Label               | 1    |
| AB   | 3000-400-557 | Sleeve Bearing              | 4    |
| AC   | 3001-400-11  | Head End Timing Link        | 1    |
| AD   | 3001-400-50  | Outer Siderail Panel        | 1    |
| AE   | 3001-400-201 | Inner Siderail Panel, Right | 1    |
| AF   | 3001-400-128 | Arm Weldment, Lt., Hd., Hd. | 1    |
| AG   | 3001-400-230 | Supt. Wldmt., Head, Right   | 1    |
| AH   | 3001-400-501 | Siderail Linkage Rivet      | 2    |
| AL   | 3001-400-515 | Head Rail                   | 1    |
| AM   | 3001-400-555 | Mounting Bracket            | 1    |
| AN   | 3001-400-558 | Siderail Spacer             | 4    |
| AP   | 3001-400-564 | Glide Rod                   | 2    |
| AR   | 3001-400-517 | Speaker Seal                | 1    |
| AS   | 2030-400-427 | Arm Wldmt., Rt., Ft., Ft.   | 1    |
| AT   | 3002-400-501 | Latch                       | 1    |
| AU   | 11-185       | Washer                      | 1    |
| AW   | 3002-400-505 | Bypass Pin                  | 1    |
| AX   | 3002-400-509 | Bypass Bushing Spacer       | 1    |
| AZ   | 3002-400-511 | Glide Rod Bumper Pad        | 2    |
| BA   | 3002-400-512 | Bumper Washer               | 2    |
| BB   | 3002-400-513 | Pivot Bushing               | 6    |
| BC   | 3002-400-519 | Latch Bushing               | 1    |
| BE   | 3002-400-528 | Siderail Carrier            | 1    |
| BF   | 5000-20-5    | Inner Arm Cover             | 2    |
| BG   | 5000-20-6    | Outer Arm Cover             | 2    |

## 3002-400-55 Siderail Release Lever Assembly, Left



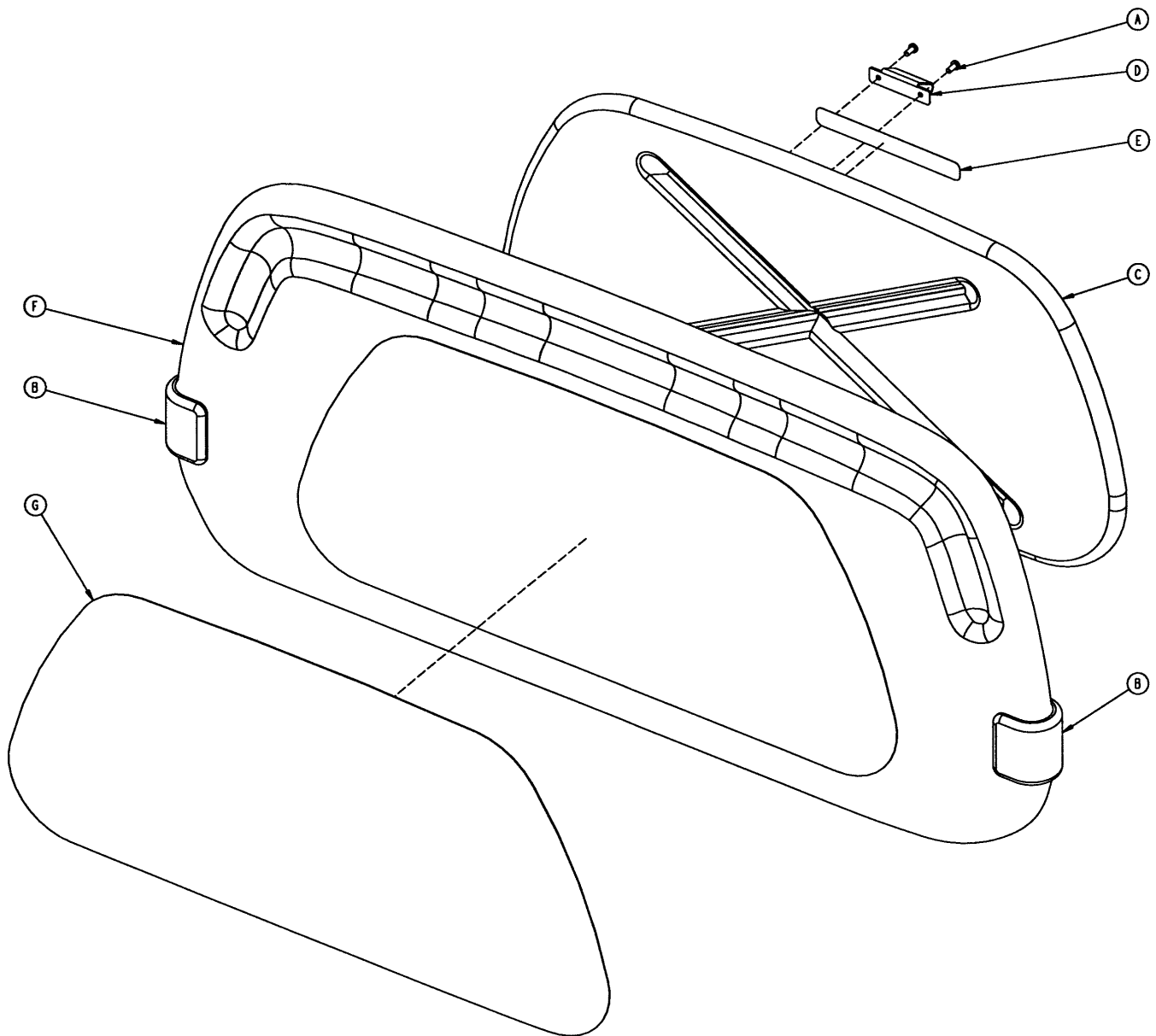
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 4-278        | Socket But. Hd. Cap Screw | 2    |
| B    | 16-2         | Hex Nut                   | 2    |
| C    | 3001-400-505 | Release Label             | 1    |
| D    | 3001-400-514 | Release Lever Pad         | 1    |
| E    | 3002-400-510 | Release Lever             | 1    |

## 3002-400-65 Siderail Release Lever Assembly, Right



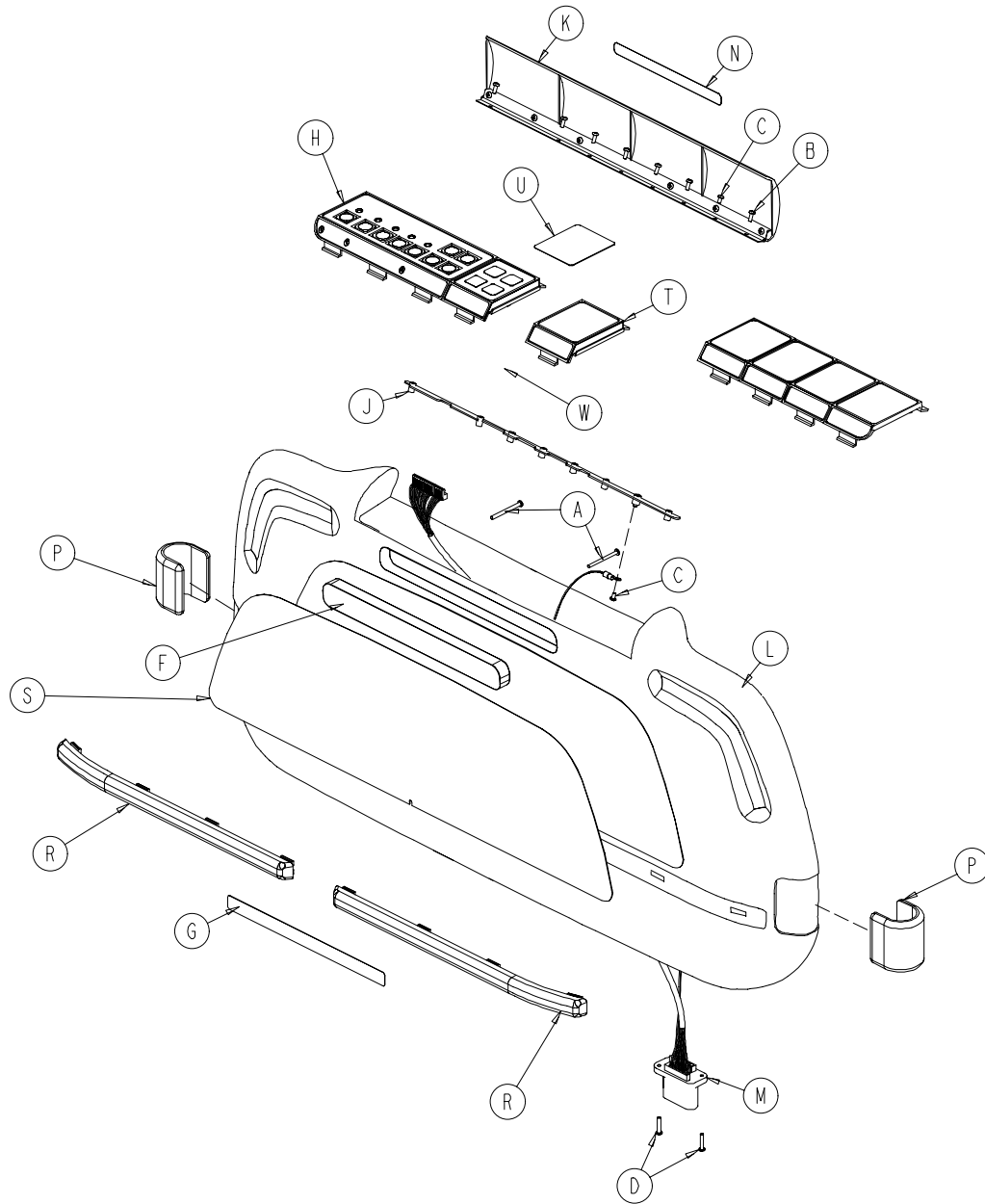
| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 4-278        | Socket But. Hd. Cap Screw | 2    |
| B    | 16-2         | Hex Nut                   | 2    |
| C    | 3001-400-505 | Release Label             | 1    |
| D    | 3001-400-514 | Release Lever Pad         | 1    |
| E    | 3002-400-510 | Release Lever             | 1    |

## 2035–130–10 Head Board Assembly



| Item | Part No.    | Part Name                   | Qty. |
|------|-------------|-----------------------------|------|
| A    | 23–88       | Pan Hd. Screw               | 2    |
| B    | 2035–500–7  | Dark Blue “C” Bumper        | 2    |
| C    | 3000–526–1  | CPR Board                   | 1    |
| D    | 3000–526–2  | CPR Board Clip              | 1    |
| E    | 3000–526–3  | CPR Board Label             | 1    |
| F    | 3000–600–10 | Head Board Clam Shell Ass’y | 1    |
| G    | 3000–600–56 | Beige Head Board Laminate   | 1    |
| H    | 72–2–71     | “C” Bumper Adhesive         | N/A  |

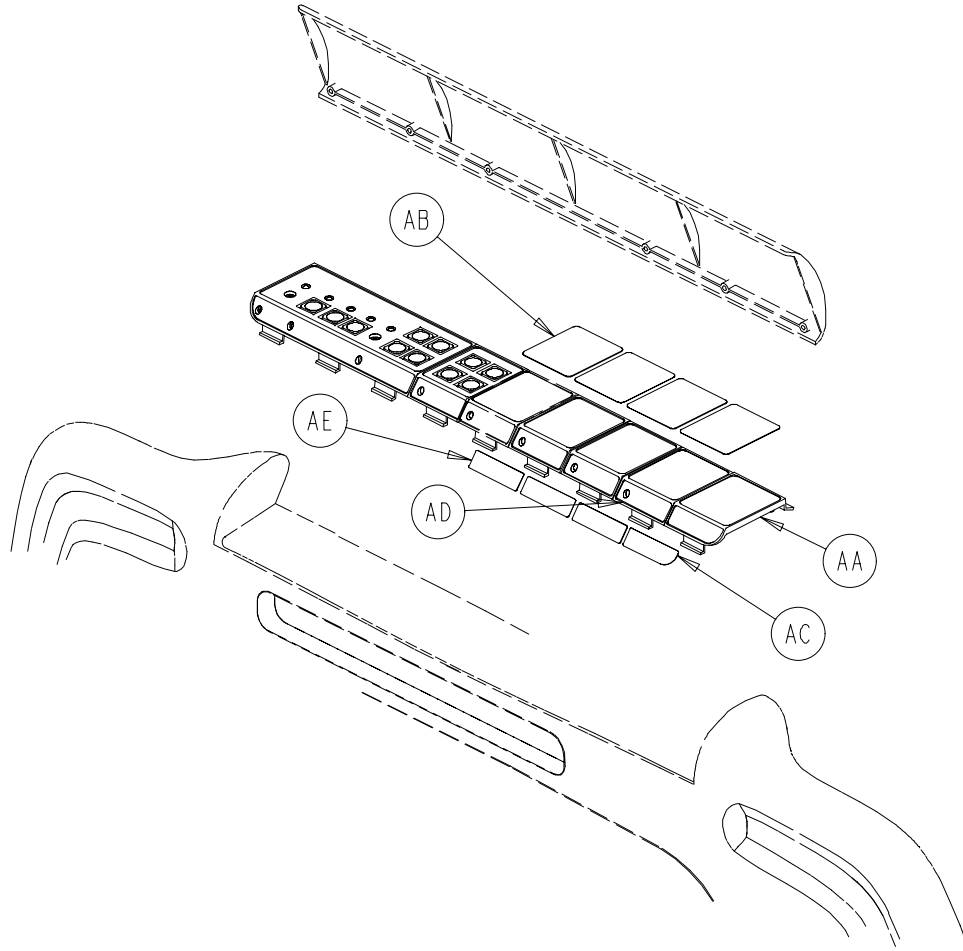
## Foot Board Assembly and Options



### 2030-135-10 Foot Board Standard Components

| Item | Part No.     | Part Name                | Qty. | Item | Part No.     | Part Name               | Qty. |
|------|--------------|--------------------------|------|------|--------------|-------------------------|------|
| A    | 23-99        | Phil. Pan Hd. Tap. Screw | 2    | L    | 3001-500-10  | Clamshell Assembly      | 1    |
| B    | 23-103       | Pan Hd. Hi/Lo Tap. Screw | 7    | M    | 3001-500-801 | Foot Board Drawer Cable | 1    |
| C    | 50-38        | Pan Hd. Mach. Screw      | 2    | N    | 3000-500-25  | Lid Label               | 1    |
| D    | 50-39        | Pan Hd. Mach. Screw      | 2    | P    | 2035-500-7   | Blue "C" Bumper         | 2    |
| E    | 72-2-71      | "C" Bumper Adhesive      | .30  | R    | 2035-500-8   | Strip Bumper            | 2    |
| F    | 3000-500-8   | Chart Rack Cover         | 1    | S    | 3000-500-56  | Beige Laminate          | 1    |
| G    | 3000-500-29  | Hazard Label             | 1    | T    | (page 10-85) | E-Drop/Card. Ch. Module | 1    |
| H    | (page 10-84) | Main Module              | 1    | U    | 2035-000-155 | E-Drop/Card. Ch. Label  | 1    |
| J    | 3001-500-64  | Hinge Plate              | 1    | W    | 2025-136-801 | E-Drop/Card. Ch. Cable  | 1    |
| K    | 3001-500-1   | Lid Assembly             | 1    |      |              |                         |      |

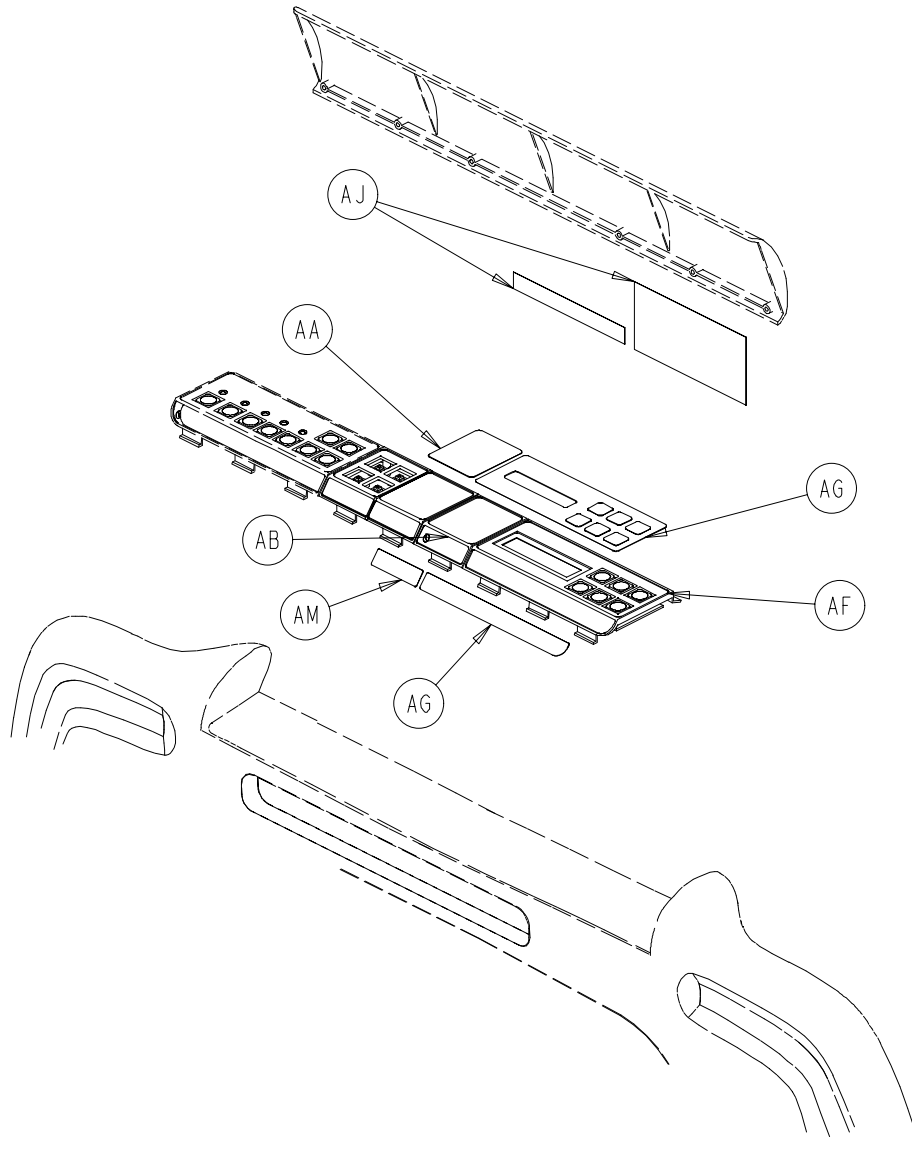
## Foot Board Assembly and Options



### 2030–135–11 Foot Board No Scale/No Bed Exit Option

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| AA   | 3000–500–4   | End Module             | 1    |
| AB   | 2035–500–101 | Foot Board Blank Label | 4    |
| AC   | 3000–500–27  | Blank End Label        | 1    |
| AD   | 3001–500–3   | Blank Module           | 3    |
| AE   | 3000–500–26  | Blank Module Label     | 3    |

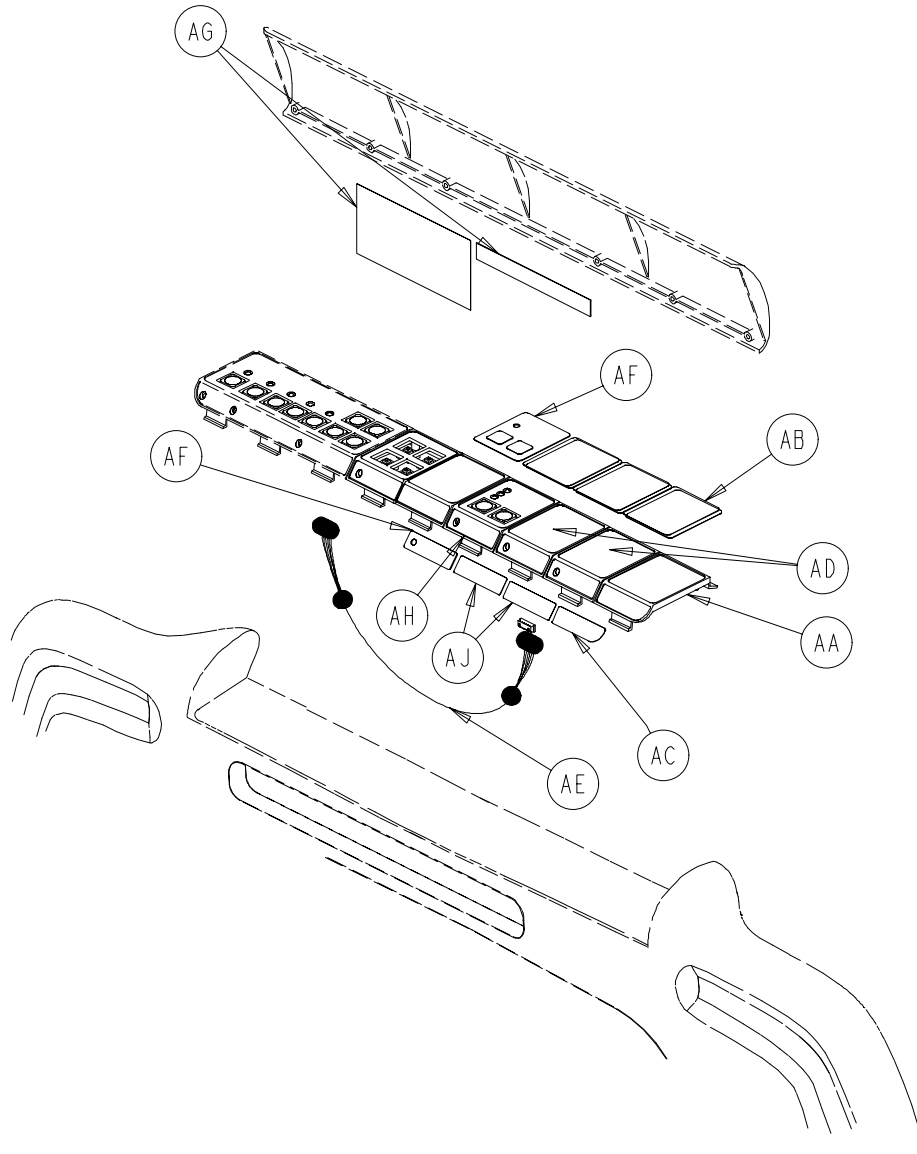
## Foot Board Assembly and Options



### 2030–135–13 Foot Board Scale Option

| Item | Part No.     | Part Name              | Qty. |
|------|--------------|------------------------|------|
| AA   | 2035–500–101 | Foot Board Blank Label | 1    |
| AB   | 3001–500–3   | Blank Module           | 1    |
| AF   | (page 10–88) | Scale Module Assembly  | 1    |
| AG   | 2030–000–152 | Scale Module Label     | 1    |
| AJ   | 3002–507–11  | Scale Lid Label        | 1    |
| AM   | 3000–500–26  | Blank Label            | 1    |

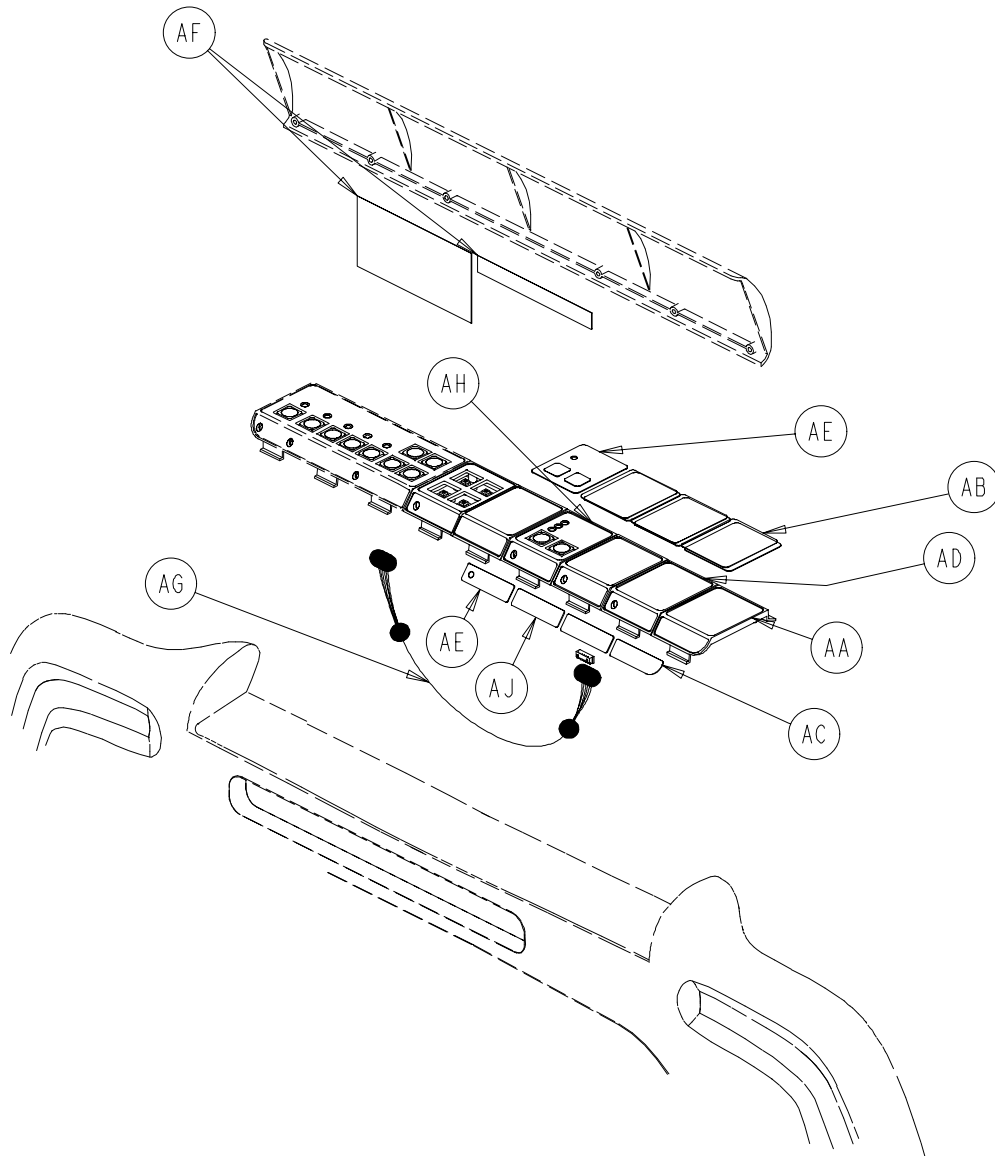
## Foot Board Assembly and Options



### 2030-135-12 Foot Board Chaperone™ Option

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| AA   | 3000-500-4   | End Module               | 1    |
| AB   | 2035-500-101 | Foot Board Blank Label   | 3    |
| AC   | 3000-500-27  | Blank End Label          | 1    |
| AD   | 3001-500-3   | Blank Module             | 2    |
| AE   | 3001-508-800 | Bed Exit Keypad Cable    | 1    |
| AF   | 2030-000-154 | Bed Exit Label           | 1    |
| AG   | 3002-508-10  | Bed Exit Lid Label       | 1    |
| AH   | (page 10-86) | Bed Exit Module Assembly | 1    |
| AJ   | 3000-500-26  | Blank Module Assembly    | 2    |

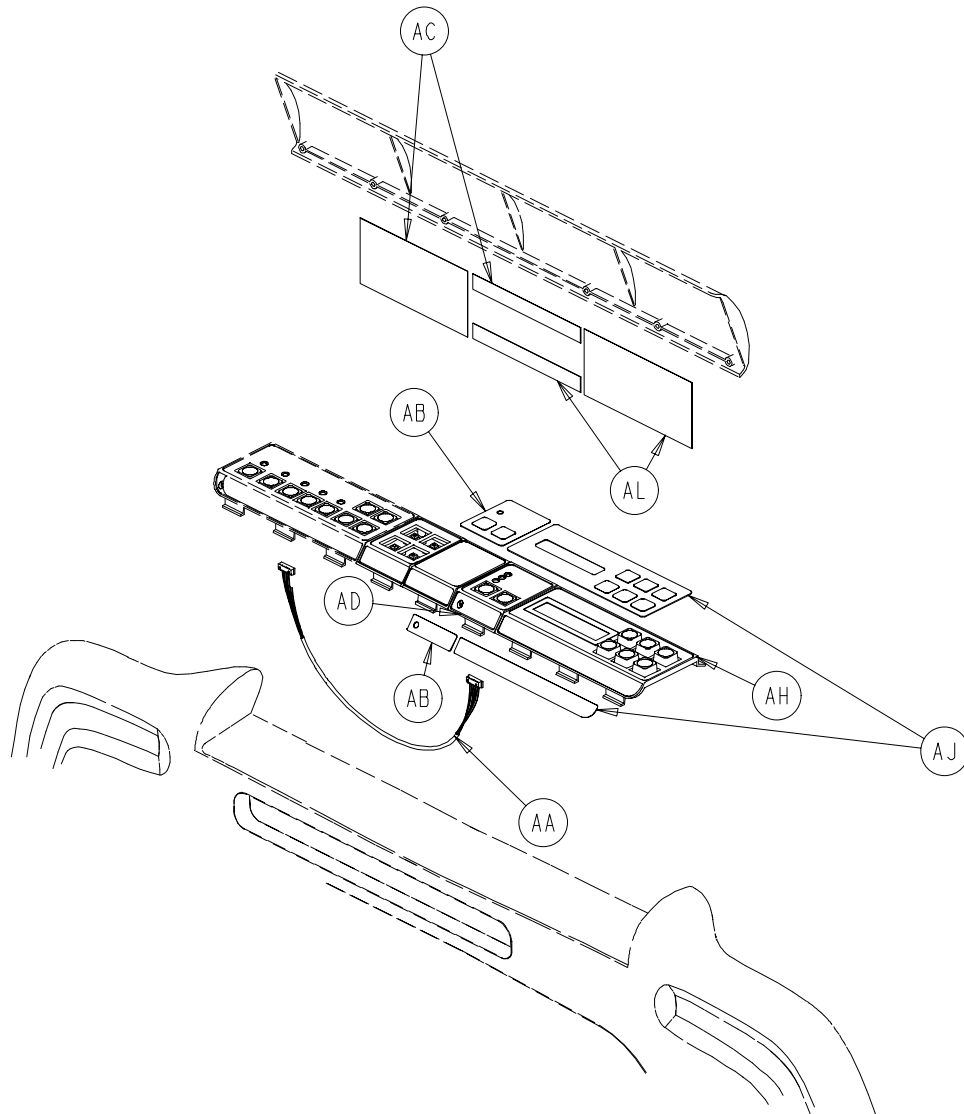
## Foot Board Assembly and Options



### 2030–135–15 Foot Board Chaperone™ w/Zone Control Option

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| AA   | 3000–500–4   | End Module                | 1    |
| AB   | 2035–500–101 | Foot Board Blank Label    | 3    |
| AC   | 3000–500–27  | Blank End Label           | 1    |
| AD   | 3001–500–3   | Blank Module              | 2    |
| AE   | 2030–000–156 | Chaperone II Module Label | 1    |
| AF   | 3002–508–12  | Chaperone II Label        | 1    |
| AG   | 3002–508–800 | Zone Control Keypad Cable | 1    |
| AH   | (page 10–87) | Bed Exit Module Assembly  | 1    |
| AJ   | 3000–500–26  | Blank Module Label        | 2    |

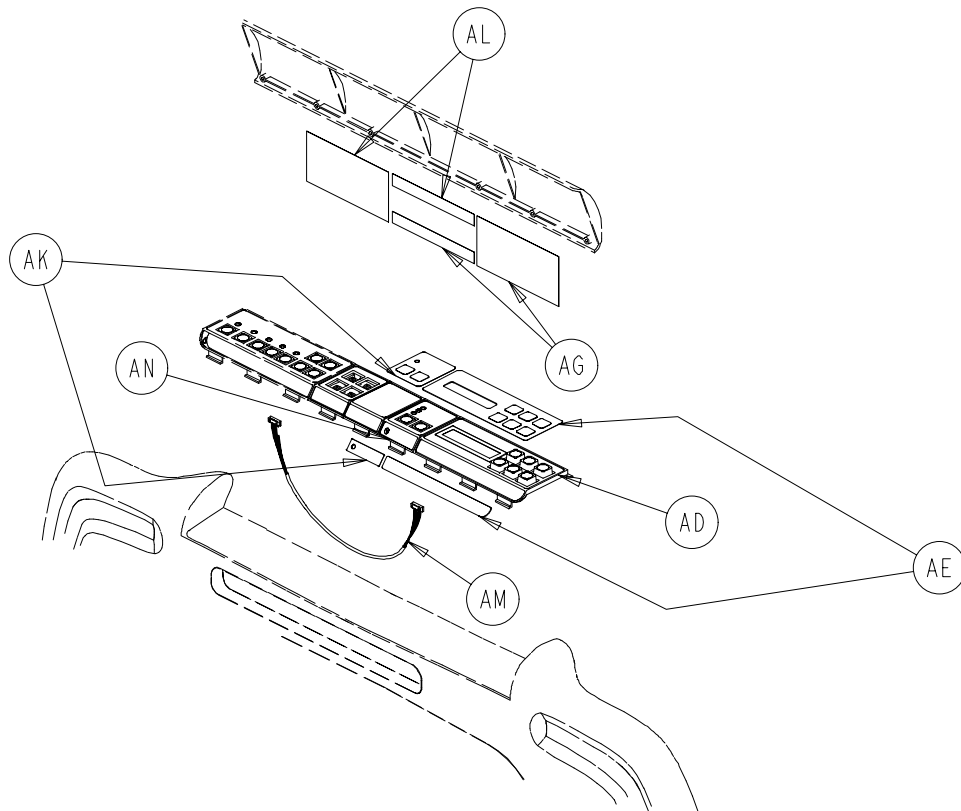
## Foot Board Assembly and Options



### 2030–135–14 Foot Board Scale and Chaperone™ Options

| Item | Part No.     | Part Name                | Qty. |
|------|--------------|--------------------------|------|
| AA   | 3001–508–800 | Bed Exit Keypad Cable    | 1    |
| AB   | 2030–000–154 | Bed Exit Label           | 1    |
| AC   | 3002–508–10  | Bed Exit Lid Label       | 1    |
| AD   | (page 10–86) | Bed Exit Module Assembly | 1    |
| AH   | (page 10–88) | Scale Module Assembly    | 1    |
| AJ   | 2030–000–152 | Scale Module Label       | 1    |
| AL   | 3002–507–11  | Scale Lid Label          | 1    |

## Foot Board Assembly and Options

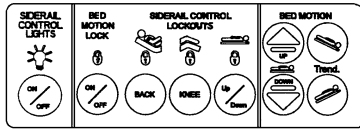


### 2030–135–16 Foot Board Scale and Chaperone™ w/Zone Control Options

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| AD   | (page 10–88) | Scale Module Assembly     | 1    |
| AE   | 2030–000–152 | Scale Module Label        | 1    |
| AG   | 3002–507–11  | Scale Lid Label           | 1    |
| AK   | 2030–000–156 | Chaperone II Module Label | 1    |
| AL   | 3002–508–12  | Chaperone II Label        | 1    |
| AM   | 3002–508–800 | Zone Control Keypad Cable | 1    |
| AN   | (page 10–86) | Bed Exit Module Assembly  | 1    |

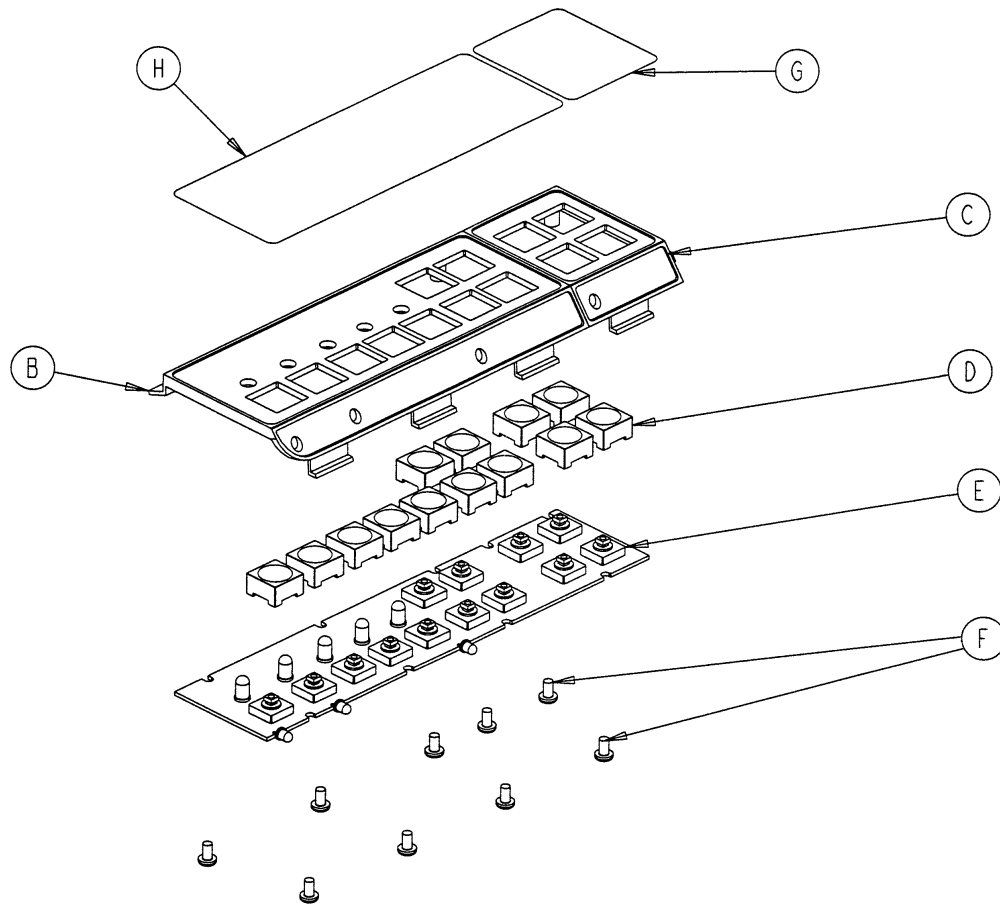
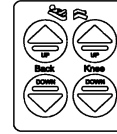
## 2035–235–20 Foot Board Main Module Assembly

part number 2035–000–151

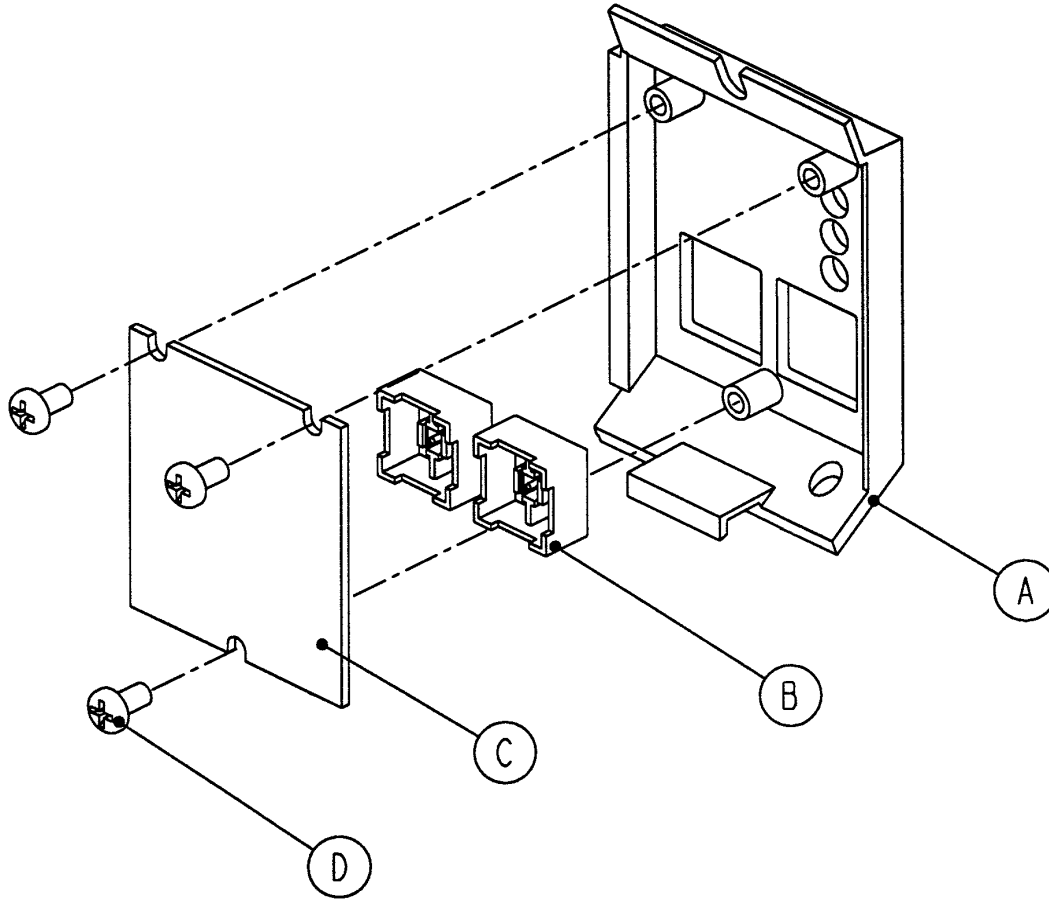


○ POWER ○ BED MOTION LOCKED

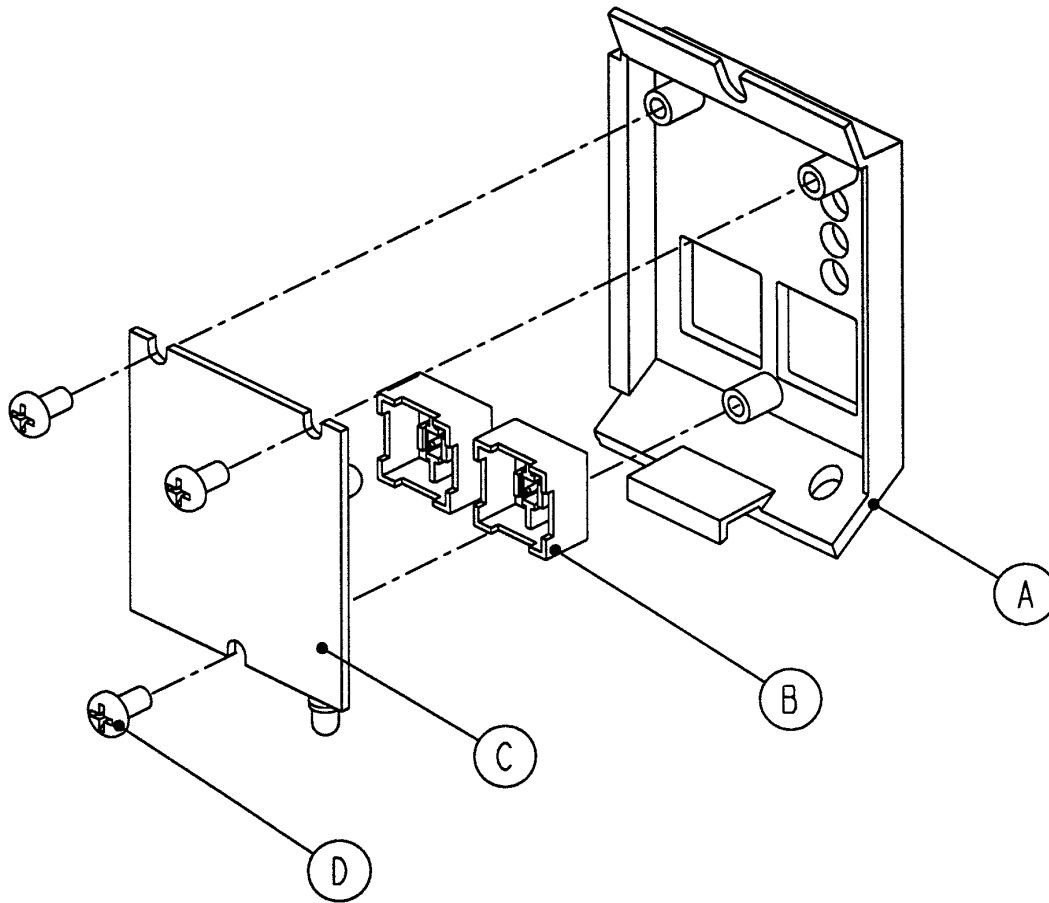
part number 2035–000–153



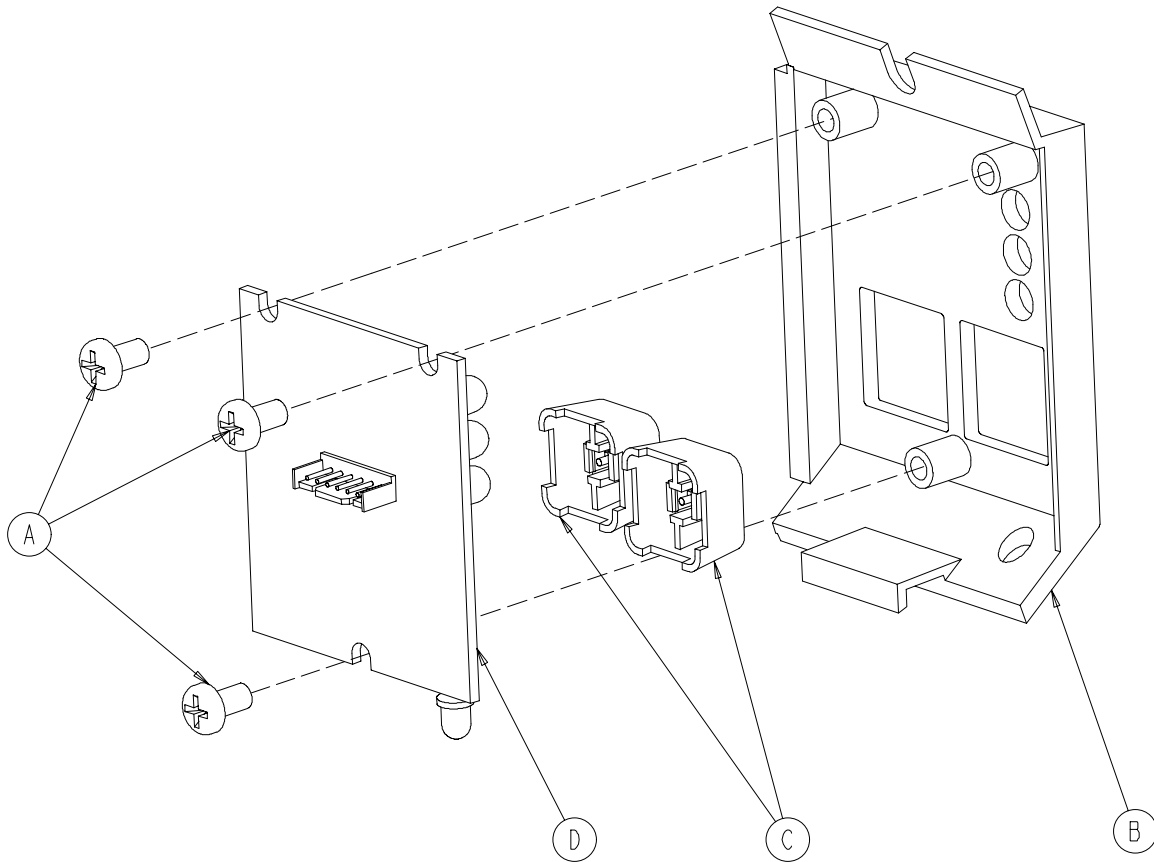
| Item | Part No.     | Part Name                    | Qty. |
|------|--------------|------------------------------|------|
| B    | 3000–500–2   | Foot Board Standard Module   | 1    |
| C    | 3000–501–1   | Gatch/Fowler Module          | 1    |
| D    | 3001–400–953 | Switch Cap                   | 13   |
| E    | 3001–500–930 | Main Foot Board PCB          | 1    |
| F    | 23–87        | Pan Hd. Tapping Screw        | 9    |
| G    | 2035–000–153 | Gatch/Fowler Label           | 1    |
| H    | 2035–000–151 | Foot Board Std. Module Label | 1    |

**2025–136–21 Foot Board Emer./Drop Card. Chair Module**

| Item | Part No.     | Part Name                 | Qty. |
|------|--------------|---------------------------|------|
| A    | 3000–508–1   | Bed Exit Module Panel     | 1    |
| B    | 3001–400–953 | Switch Cap                | 2    |
| C    | 2025–136–900 | CPR Drop/Card. Ch. Keypad | 1    |
| D    | 23–87        | Hi–Low Tapping Screw      | 3    |

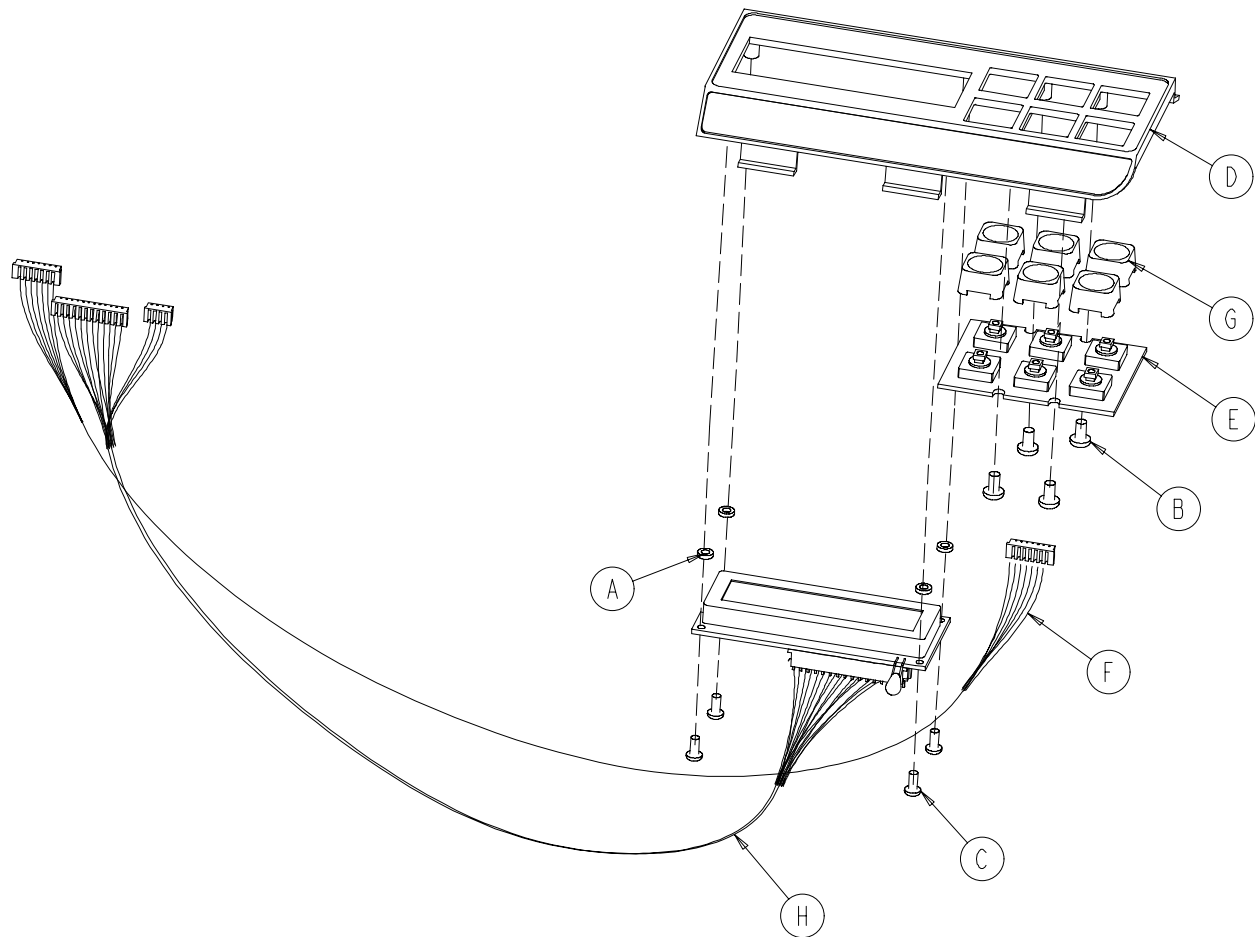
**2025–136–22 Opt. Foot Board Chaperone Bed Exit Module**

| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 3000–508–1   | Bed Exit Module Panel | 1    |
| B    | 3001–400–953 | Switch Cap            | 2    |
| C    | 3001–508–910 | Bed Exit Keypad Ass'y | 1    |
| D    | 23–87        | Hi–Low Tapping Screw  | 3    |

**3002–508–30 Opt. Ft. Bd. Chaperone w/Zone Bed Exit Module**

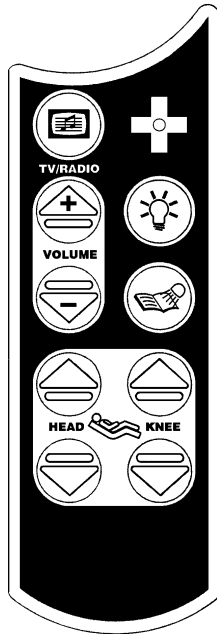
| Item | Part No.     | Part Name             | Qty. |
|------|--------------|-----------------------|------|
| A    | 23–87        | Hi-Low Tapping Screw  | 3    |
| B    | 3000–508–1   | End Exit Module Panel | 1    |
| C    | 3001–400–953 | Switch Cap            | 2    |
| D    | 3002–508–900 | Bed Exit Board        | 1    |

## 3002–507–30 Foot Board Scale Module Assembly

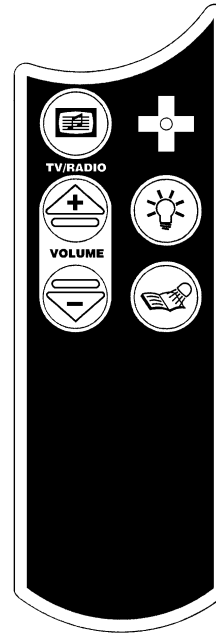


| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 11–487       | Nylon Washer                | 4    |
| B    | 23–87        | Pan Hd. Hi-Lo Tapping Screw | 4    |
| C    | 23–91        | Pan Hd. Hi-Lo Tapping Screw | 4    |
| D    | 3001–507–1   | 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    |

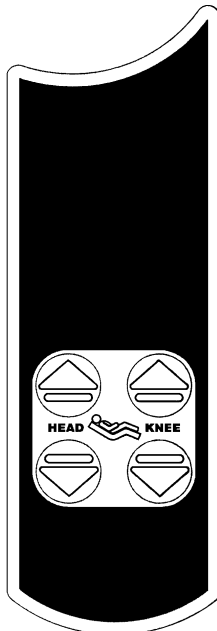
## Optional Pendant Assembly



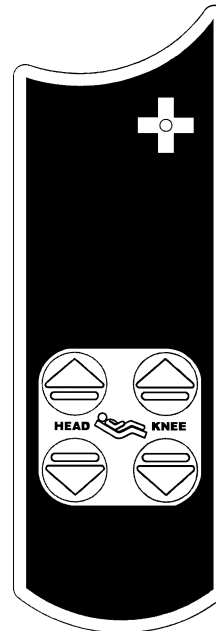
**3001-315-12 Combination Pendant  
Motion/Communication**



**3001-315-16 Combination Pendant  
Communication Only**

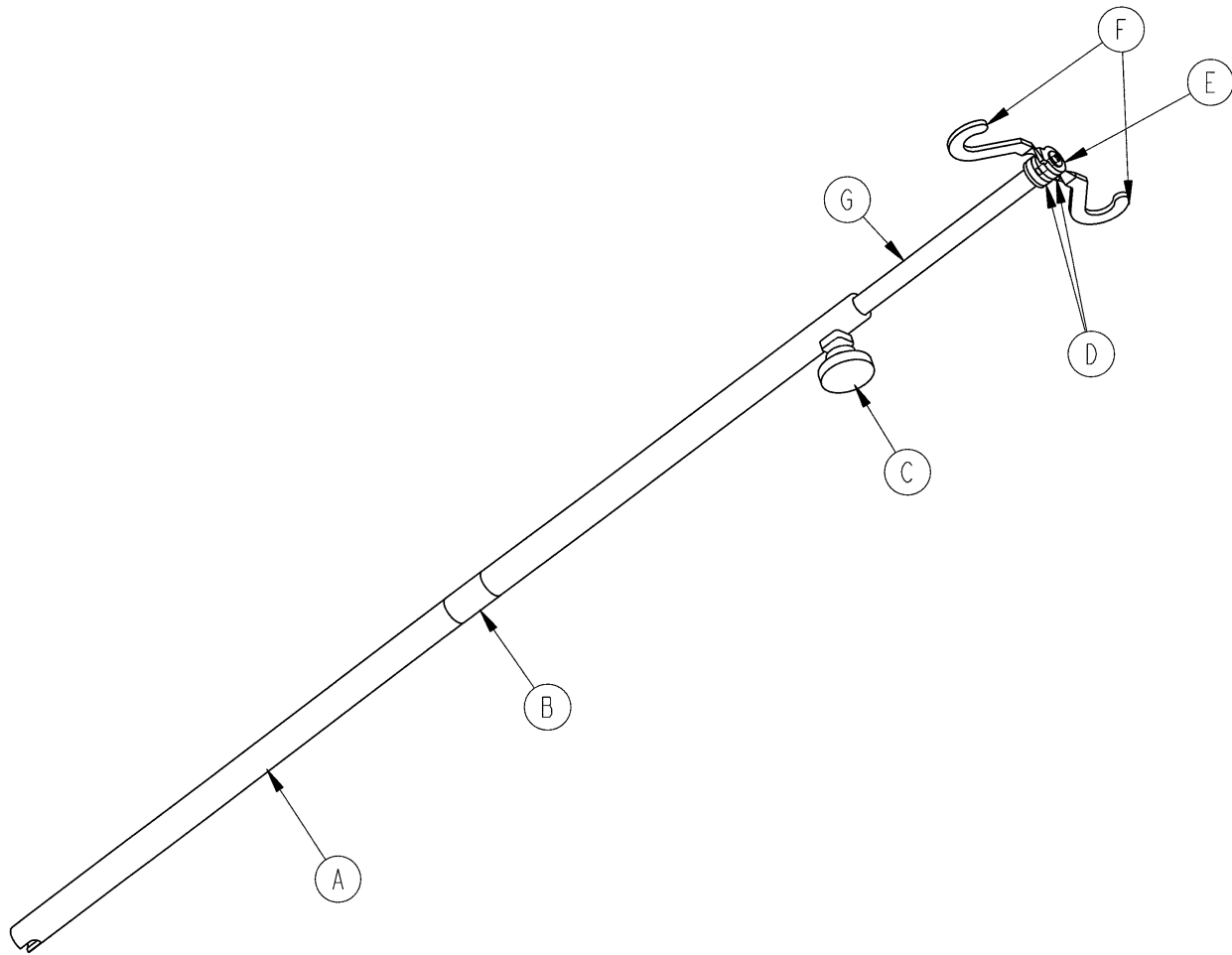


**3001-315-14 Combination Pendant  
Motion Only**

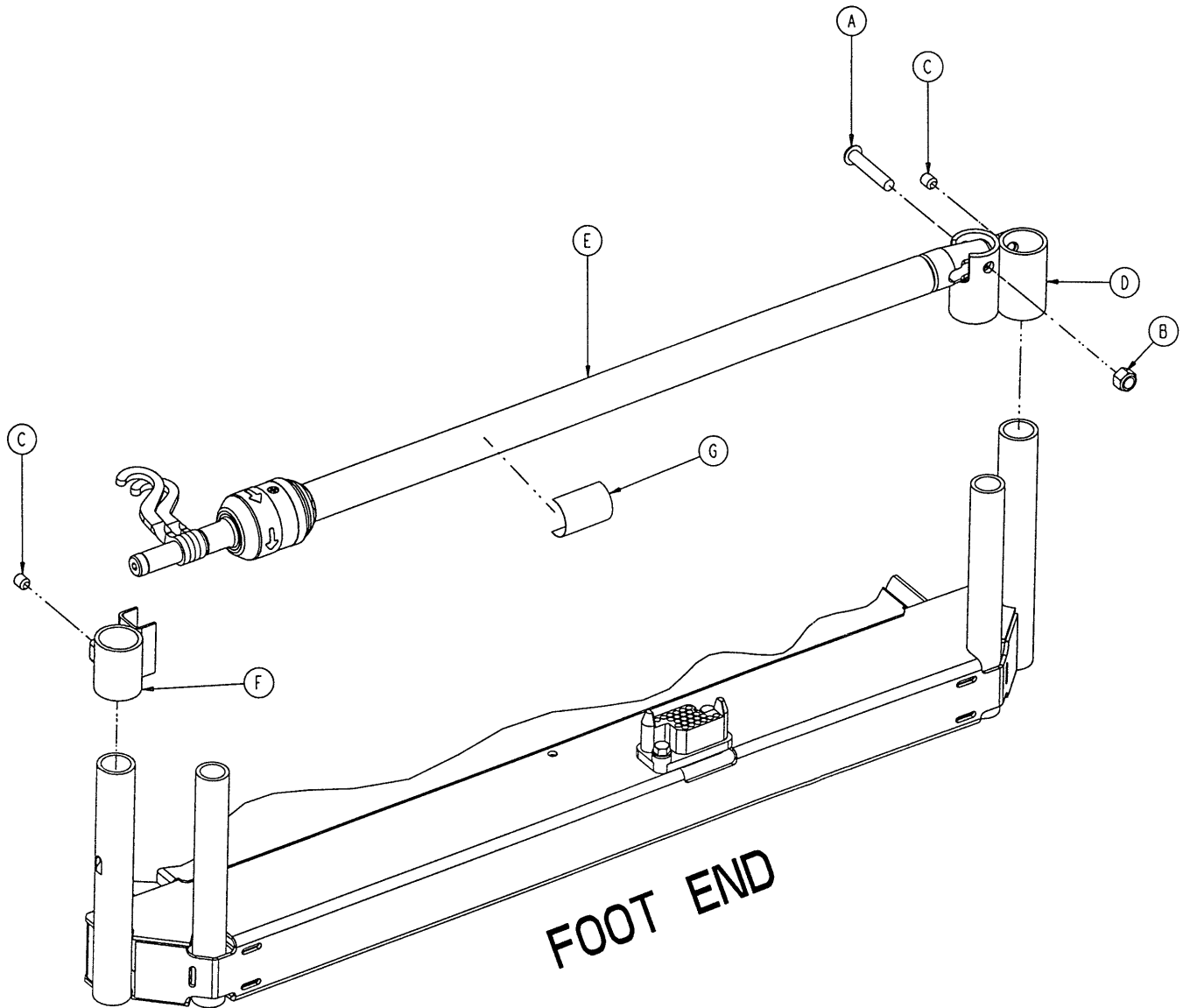


**3001-315-18 Combination Pendant  
Motion/NurseCall**

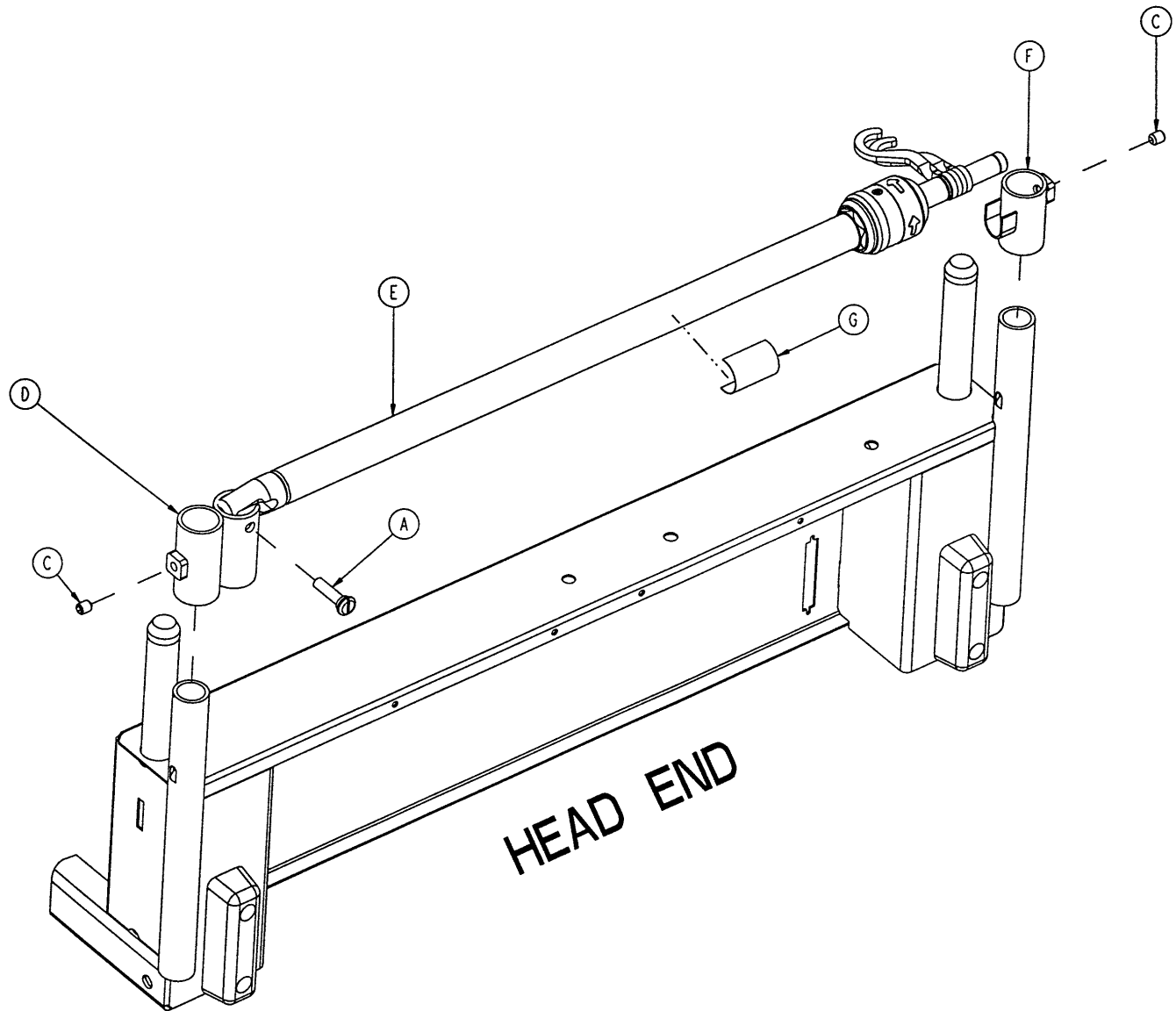
## 3000–300–80 Removable I.V. Pole Assembly



| Item | Part No.    | Part Name                | Qty. |
|------|-------------|--------------------------|------|
| A    | 3000–300–81 | Outer Tube               | 1    |
| B    | 3000–300–89 | Label                    | 1    |
| C    | 24–50       | Fluted Knob              | 1    |
| D    | 52–17       | Spacer                   | 2    |
| E    | 7–40        | Phillips Truss Hd. Screw | 1    |
| F    | 1010–59–16  | I.V. Hook                | 2    |
| G    | 3000–300–85 | Inner Tube Assembly      | 1    |

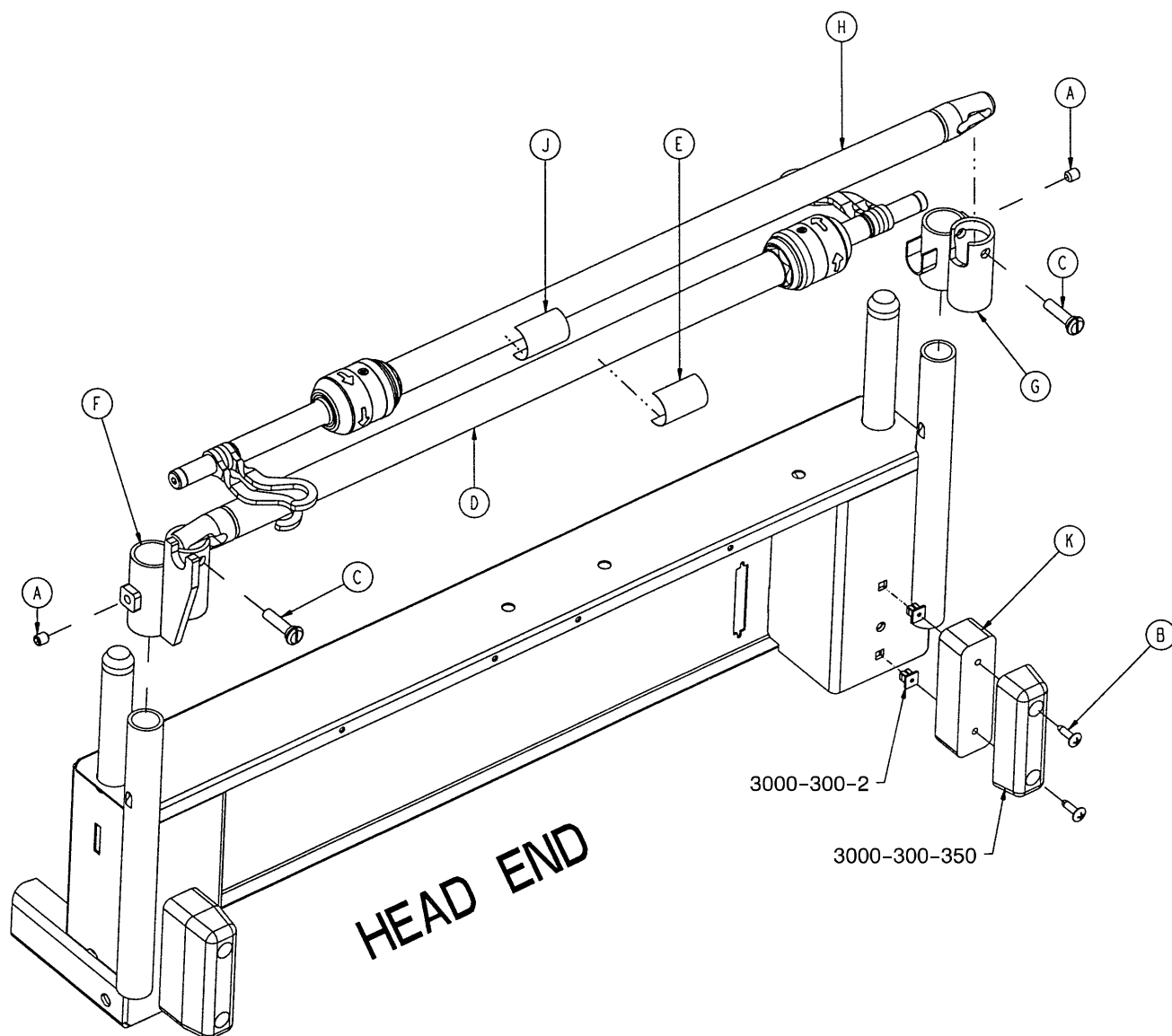
**2035–111 Optional 2–Stage I.V. Mounting Assembly, Ft. End**

| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 4–199        | But. Hd. Cap Screw          | 1    |
| B    | 16–11        | Flexlock Nut                | 1    |
| C    | 21–140       | Set Screw                   | 2    |
| D    | 2035–111–1   | I.V. Receptacle, Foot, Left | 1    |
| E    | (page 10–94) | I.V. Pole Assembly, Left    | 1    |
| F    | 3000–312–35  | I.V. Cradle                 | 1    |
| G    | 2035–112–110 | Specification Label         | 1    |

**2035–112 Optional 2–Stage I.V. Mounting Assembly, Hd. End**

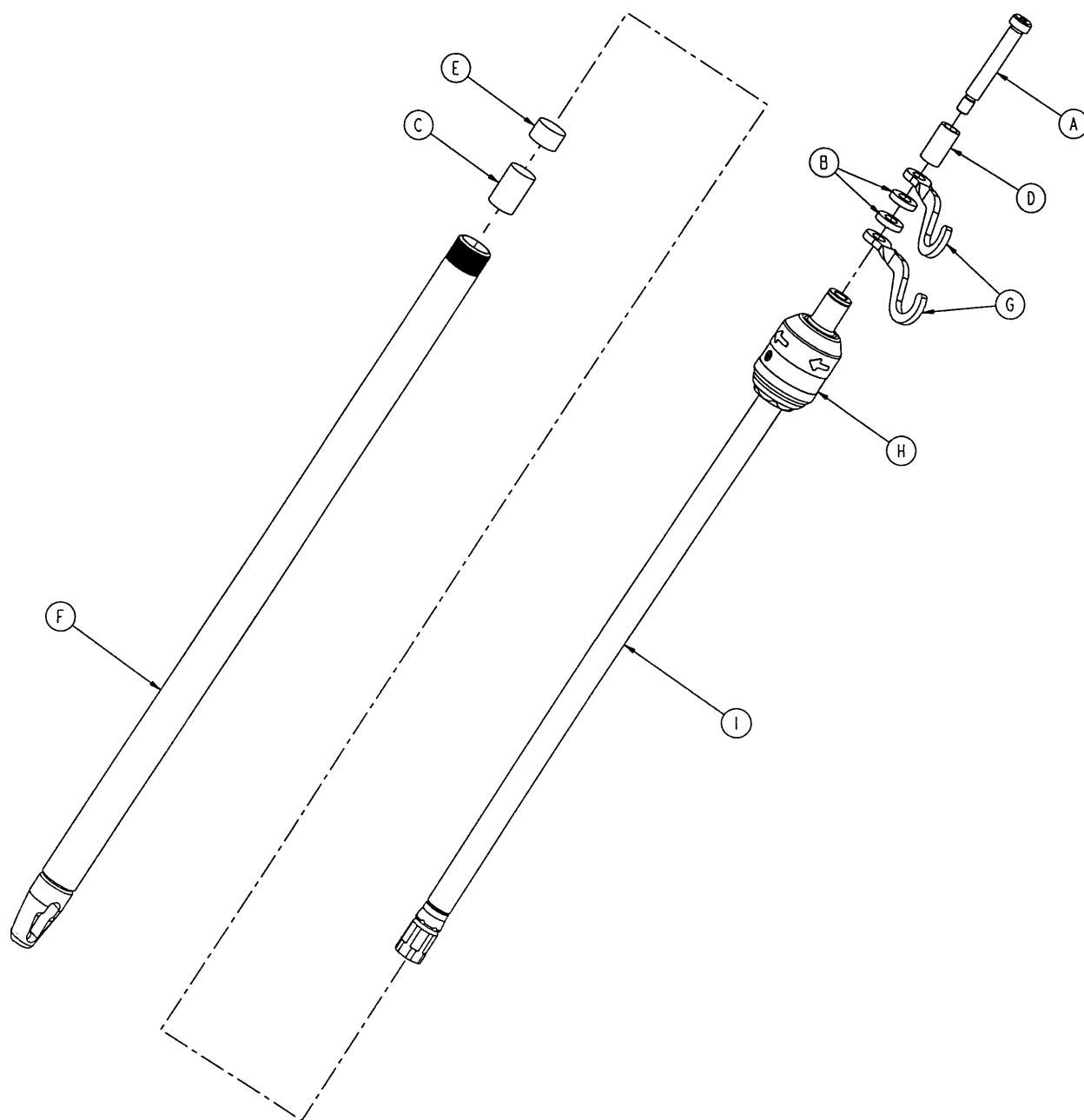
| Item | Part No.     | Part Name                   | Qty. |
|------|--------------|-----------------------------|------|
| A    | 1015–24–35   | Retaining Pin               | 1    |
| C    | 21–140       | Set Screw                   | 2    |
| D    | 2035–112–1   | I.V. Receptacle, Head, Left | 1    |
| E    | (page 10–94) | I.V. Pole Assembly, Left    | 1    |
| F    | 3000–311–16  | I.V. Rest                   | 1    |
| G    | 2035–112–110 | Specification Label         | 1    |

## 2035–113 Optional 2–Stage I.V. Mounting Ass’y, Dual Head



| Item | Part No.     | Part Name                       | Qty. |
|------|--------------|---------------------------------|------|
| A    | 21–140       | Set Screw                       | 2    |
| B    | 23–277       | Truss Hd. Screw                 | 4    |
| C    | 1015–24–35   | Retaining Pin                   | 2    |
| D    | (page 10–94) | I.V. Pole Assembly, Left        | 1    |
| E    | 2035–112–110 | Specification Label             | 1    |
| F    | 2035–113–1   | I.V. Receptacle, Dual Head, Lt. | 1    |
| G    | 2035–113–2   | I.V. Receptacle, Dual Head, Rt. | 1    |
| H    | (page 10–94) | I.V. Pole Assembly, Right       | 1    |
| J    | 2035–113–111 | Specification Label             | 1    |
| K    | 2035–113–6   | Head End Bumper Spacer          | 2    |

## 2035-112-10 & 2035-113-11 Optional 2-Stage I.V. Assembly



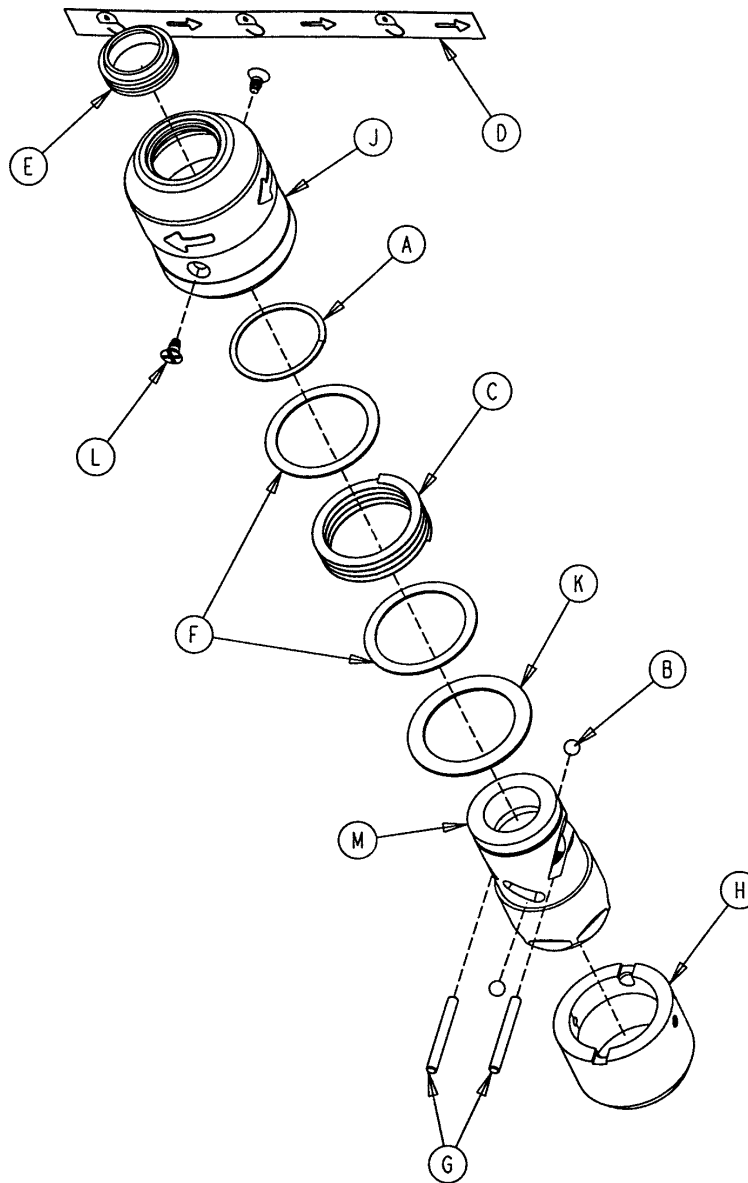
**2035-112-10 Head End, Left**

| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 8-31         | Soc. Hd. Shoulder Screw | 1    |
| B    | 52-17        | Washer                  | 2    |
| C    | 52-310       | Spacer                  | 1    |
| D    | 926-400-162  | Spacer                  | 1    |
| E    | 1001-259-13  | Dampener                | 1    |
| F    | 1001-259-32  | Base Tube Weldment      | 1    |
| G    | 1010-259-16  | I.V. Hook               | 2    |
| H    | (page 10-95) | I.V. Pole Latch         | 1    |
| I    | 1211-110-29  | 2nd Stage Assembly      | 1    |

**2035-113-11 Foot End, Right**

| Item | Part No.     | Part Name               | Qty. |
|------|--------------|-------------------------|------|
| A    | 8-31         | Soc. Hd. Shoulder Screw | 1    |
| B    | 52-17        | Washer                  | 2    |
| C    | 52-311       | Spacer                  | 1    |
| D    | 926-400-162  | Spacer                  | 1    |
| E    | 1001-259-13  | Dampener                | 1    |
| F    | 1001-259-32  | Base Tube Weldment      | 1    |
| G    | 1010-259-16  | I.V. Hook               | 2    |
| H    | (page 10-95) | I.V. Pole Latch         | 1    |
| I    | 1211-110-29  | 2nd Stage Assembly      | 1    |

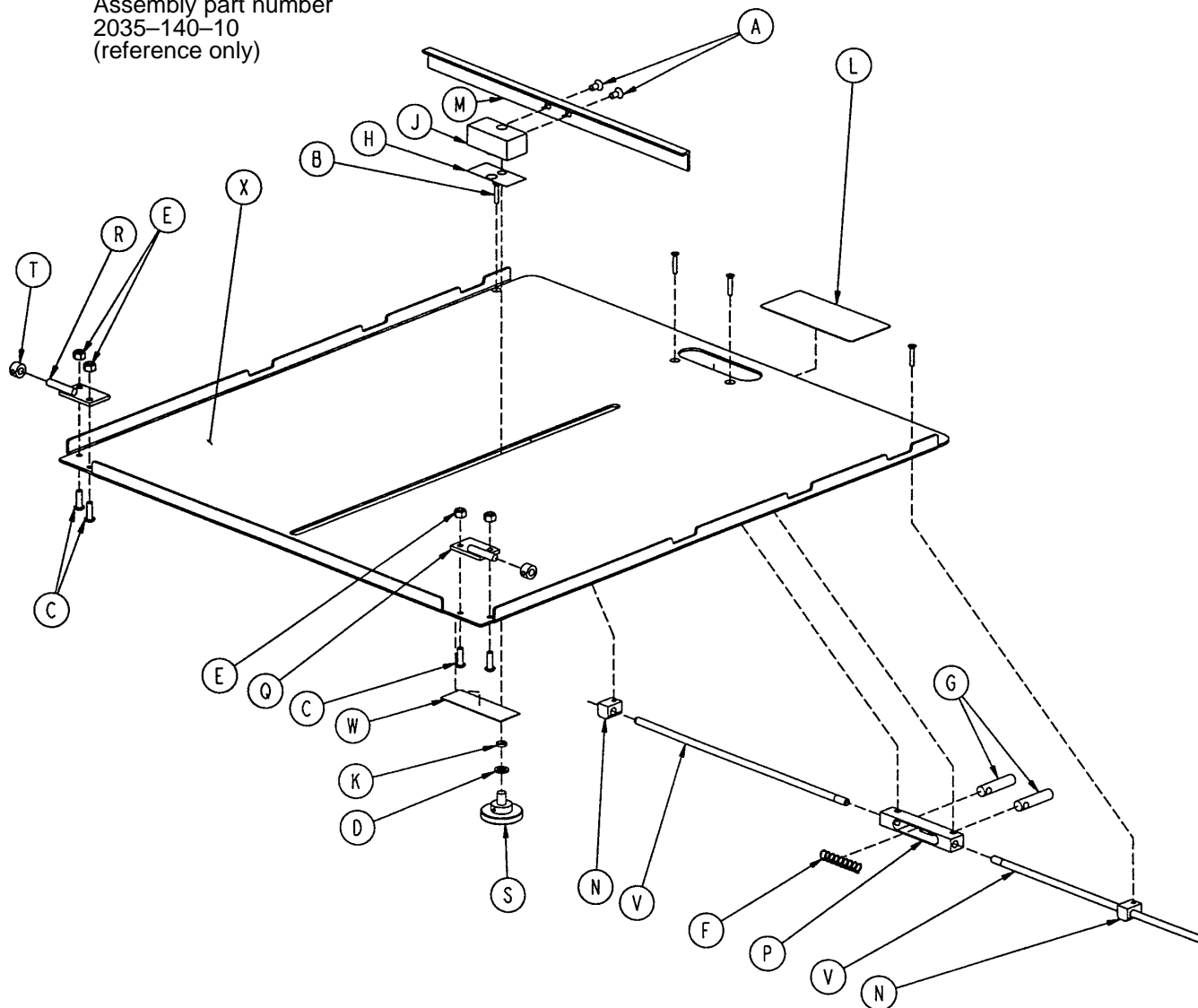
## 1211–210–26 I.V. Pole Latch Assembly



| Item | Part No.    | Part Name               | Qty. |
|------|-------------|-------------------------|------|
| A    | 28–167      | Retaining Ring          | 1    |
| B    | 31–4        | Steel Ball              | 2    |
| C    | 38–392      | Crest-to-Crest Spring   | 1    |
| D    | 1211–91–34  | Release Label           | 1    |
| E    | 1211–110–18 | I.V. Latch Seal         | 1    |
| F    | 1211–110–20 | Washer                  | 2    |
| G    | 1211–110–21 | I.V. Latch Locking Pin  | 2    |
| H    | 1211–110–22 | I.V. Latch Guide        | 1    |
| J    | 1211–110–24 | I.V. Latch O.D. Housing | 1    |
| K    | 1211–110–35 | Washer                  | 1    |
| L    | 1211–110–36 | Self-Tapping Screw      | 2    |
| M    | 1211–210–23 | I.V. Latch I.D. Housing | 1    |

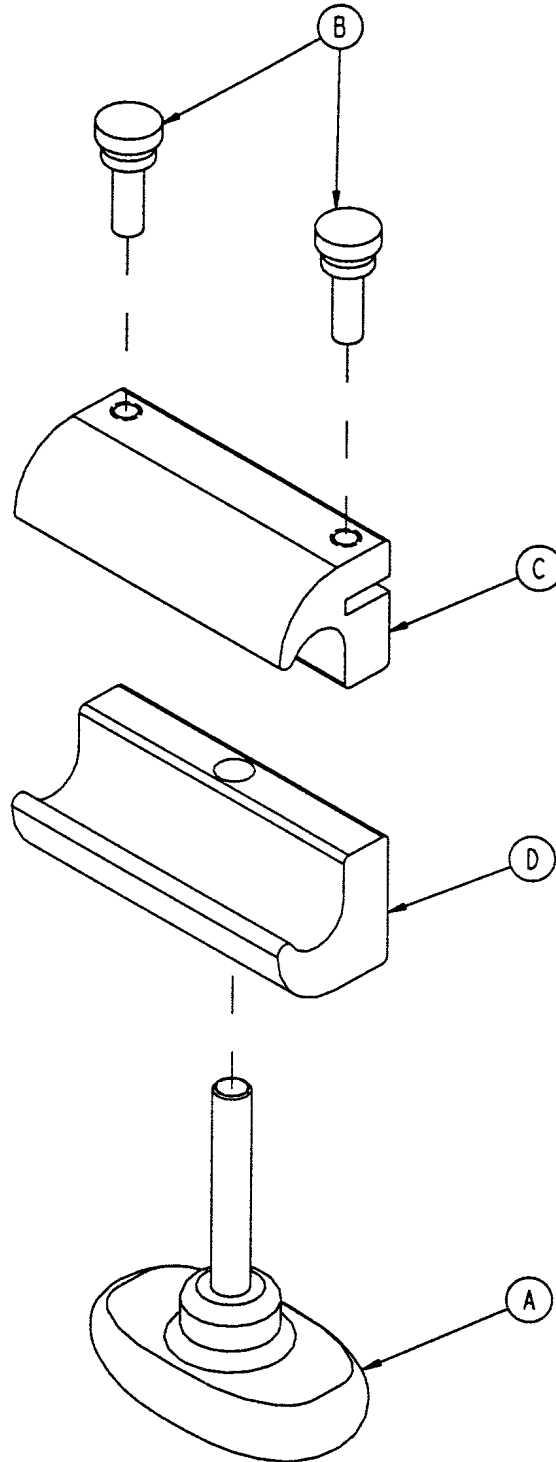
## 2035–140 Optional Fowler X-Ray Cassette Holder Assembly

Assembly part number  
2035–140–10  
(reference only)

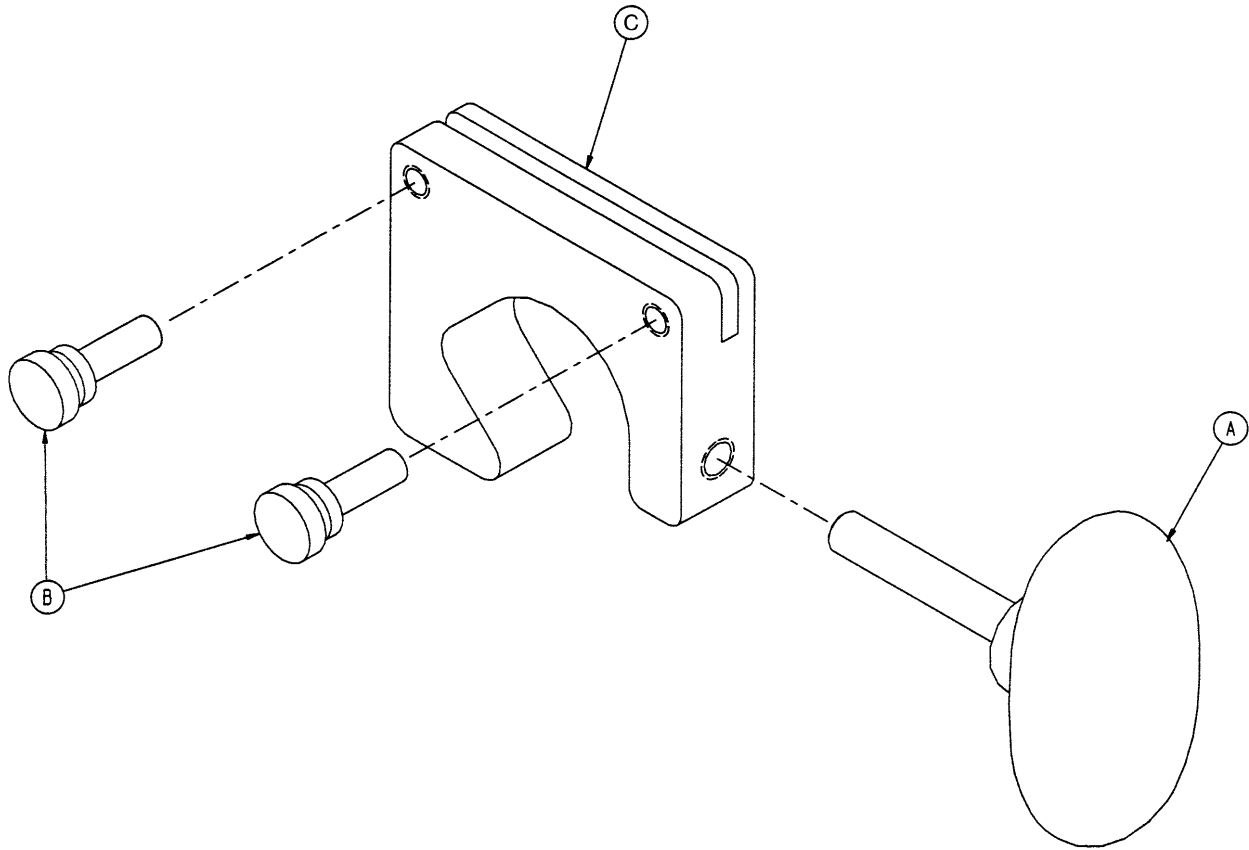


| Item | Part No.   | Part Name                 | Qty. | Item | Part No.    | Part Name              | Qty. |
|------|------------|---------------------------|------|------|-------------|------------------------|------|
| A    | 1–20       | Flat C'sunk Hd. Mach Scr. | 2    | M    | 1010–23–28  | Tray Angle             | 1    |
| B    | 1–22       | Flat C'sunk Hd. Mach Scr. | 4    | N    | 1010–23–37  | Cassette Rod Guide     | 2    |
| C    | 4–149      | H. Soc. But. Hd. Cap Scr. | 4    | P    | 1020–23–16  | Cassette Post Housing  | 1    |
| D    | 14–3       | Washer                    | 1    | Q    | 1020–23–19  | Tray Hinge Wldmt., Rt. | 1    |
| E    | 16–3       | Hex Nut                   | 4    | R    | 1020–23–20  | Tray Hinge Wldmt., Lt. | 1    |
| F    | 38–122     | Spring                    | 1    | S    | 1020–23–21  | Knob                   | 1    |
| G    | 926–23–64  | Tray Post                 | 2    | T    | 42–13       | Collar w/Set Screw     | 2    |
| H    | 926–23–69  | Cassette Washer           | 1    | V    | 2025–140–2  | Cassette Actuating Rod | 2    |
| J    | 926–23–70  | Cassette Block Subass'y   | 1    | W    | 2035–140–25 | Specification Label    | 1    |
| K    | 926–23–71  | Cassette Bushing          | 1    | X    | 2035–140–99 | Cassette Tray          | 1    |
| L    | 1010–23–19 | Instruction Label         | 1    |      |             |                        |      |

## 2035–19–10 Optional Siderail Transducer Mount Assembly

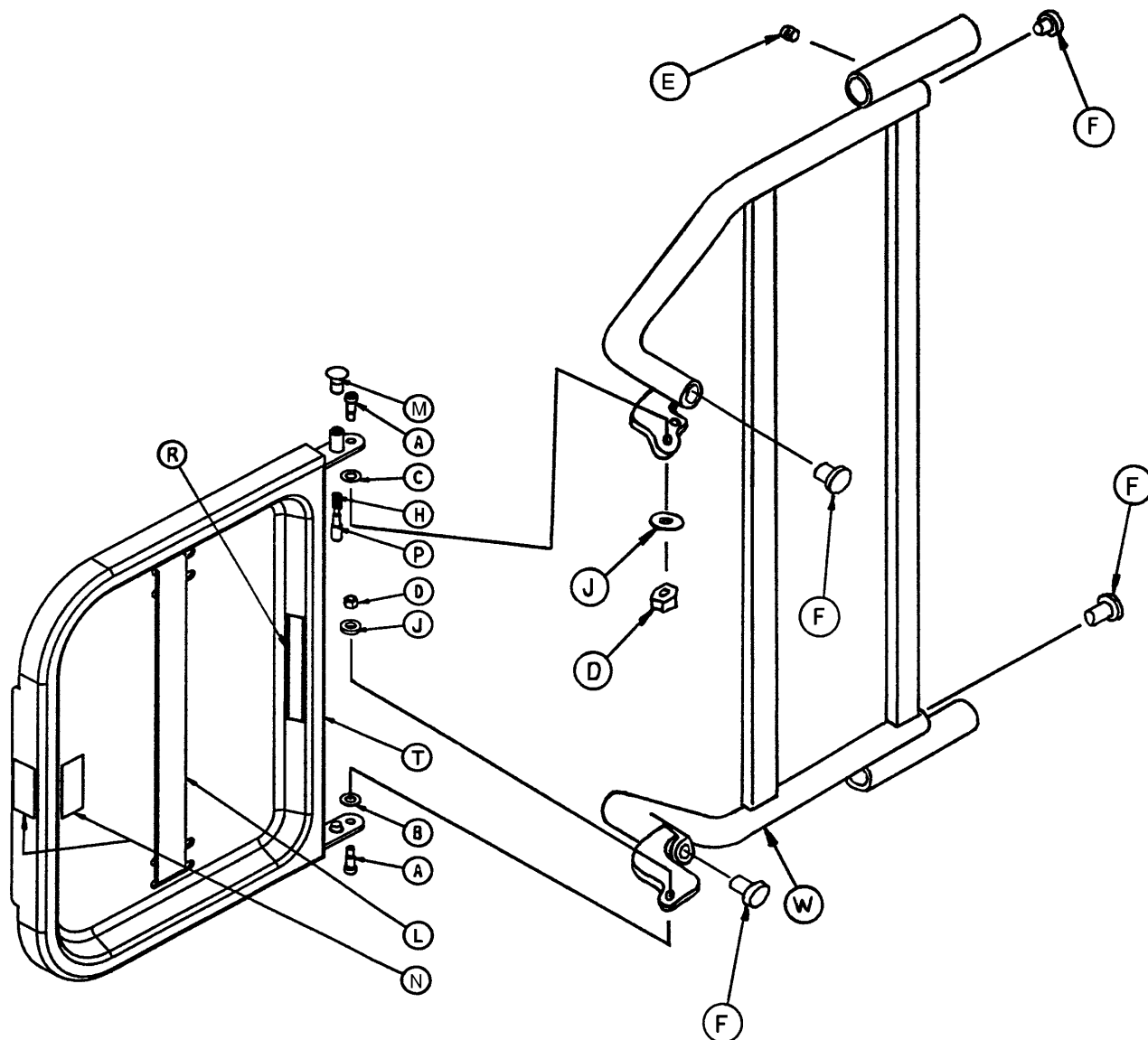


| Item | Part No.   | Part Name                | Qty. |
|------|------------|--------------------------|------|
| A    | 24–63      | T-Knob                   | 1    |
| B    | 24–64      | Thumb Screw              | 2    |
| C    | 2035–19–11 | Transducer Mount, Top    | 1    |
| D    | 2035–19–12 | Transducer Mount, Bottom | 1    |

**2035–18–10 Optional I.V. Pole Transducer Mount Assembly**

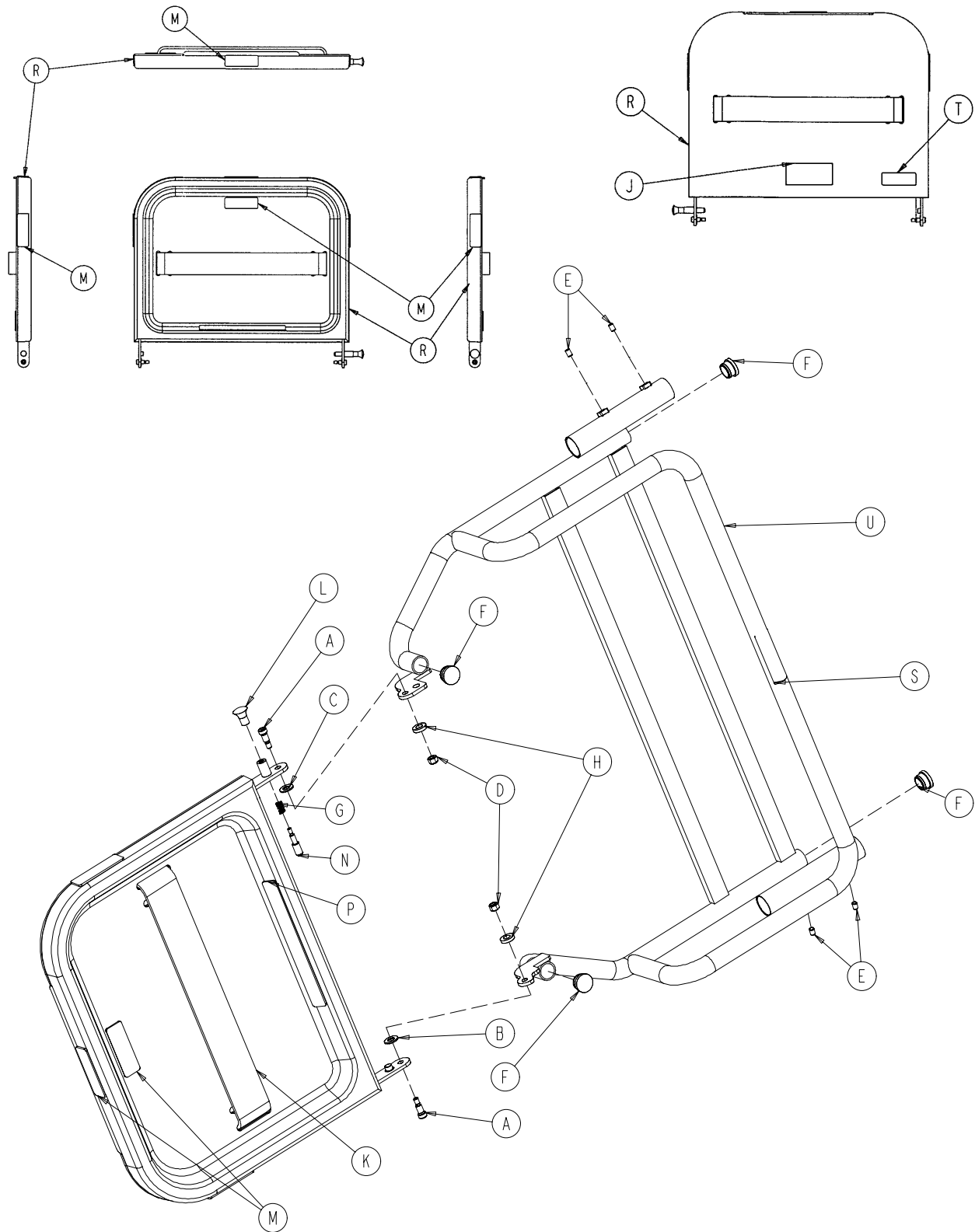
| Item | Part No.   | Part Name        | Qty. |
|------|------------|------------------|------|
| A    | 24–63      | T-Knob           | 1    |
| B    | 24–64      | Thumb Screw      | 2    |
| C    | 2035–18–11 | Transducer Mount | 1    |

## 2025-120 Optional Defibrillator Tray Assembly



| Item | Part No.   | Part Name              | Qty. | Item | Part No.    | Part Name            | Qty. |
|------|------------|------------------------|------|------|-------------|----------------------|------|
| A    | 8-49       | Soc. Hd. Shoulder Bolt | 2    | L    | 1010-50-21  | Long Strap           | 1    |
| B    | 14-20      | Thrust Washer          | 1    | M    | 1010-50-50  | Knob                 | 1    |
| C    | 14-21      | Thrust Washer          | 1    | N    | 1010-50-57  | Max. Weight Label    | 4    |
| D    | 16-28      | Fiberlock Nut          | 2    | P    | 1010-50-242 | Lock Pin             | 1    |
| E    | 21-17      | Set Screw              | 4    | R    | 2025-120-5  | Equipment Label      | 1    |
| F    | 37-214     | Hole Plug              | 4    | S    | 2025-120-6  | Specification Label  | 1    |
| H    | 38-133     | Spring                 | 1    | T    | 2025-120-18 | Tray Assembly        | 1    |
| J    | 52-17      | Spacer                 | 2    | W    | 2025-120-25 | Pivot Weldment Frame | 1    |
| K    | 1010-50-19 | "Push/Pull" Label      | 1    |      |             |                      |      |

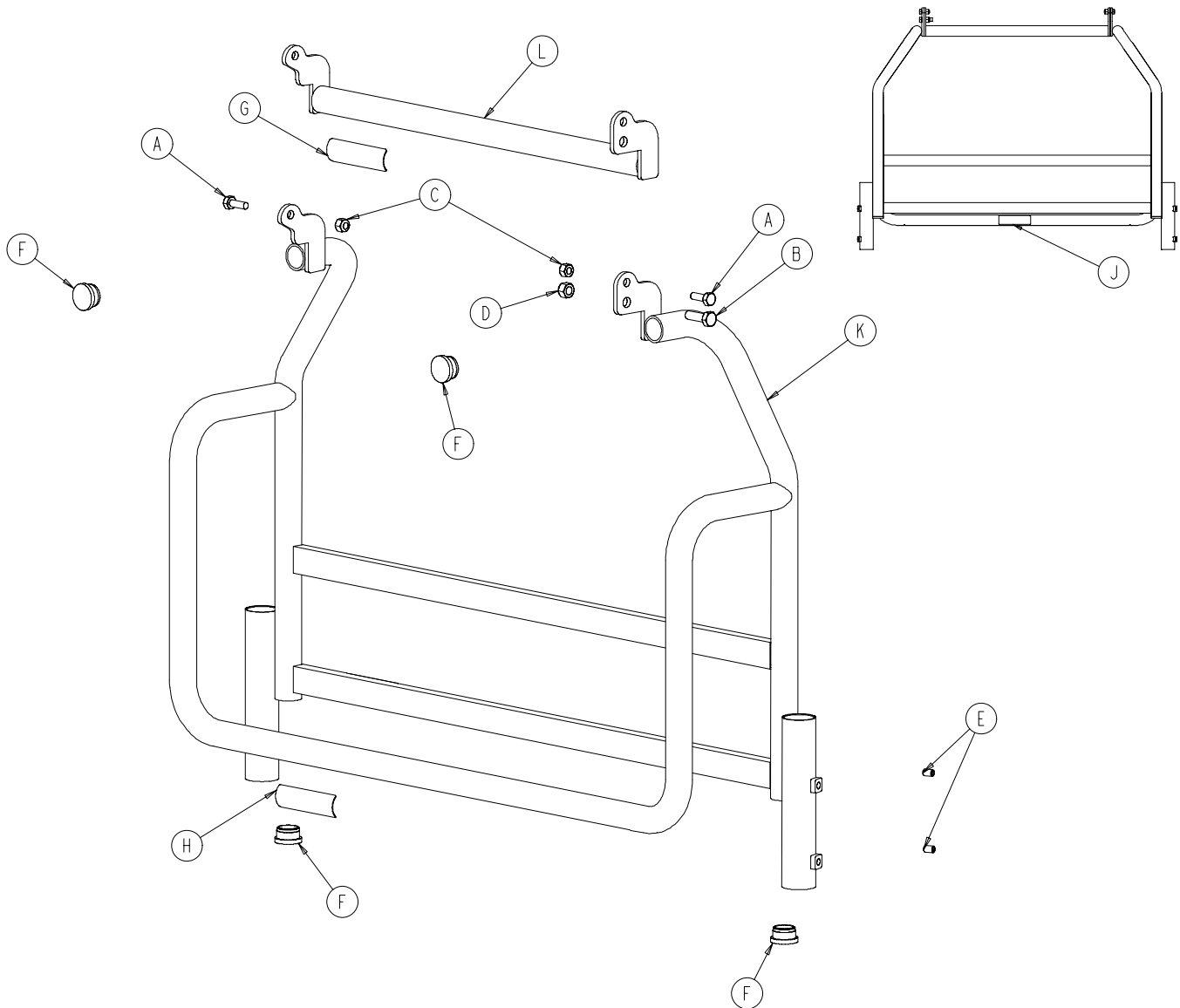
## 2040–120–4 Optional Pleur–Evac Rack with Defibrillator Tray



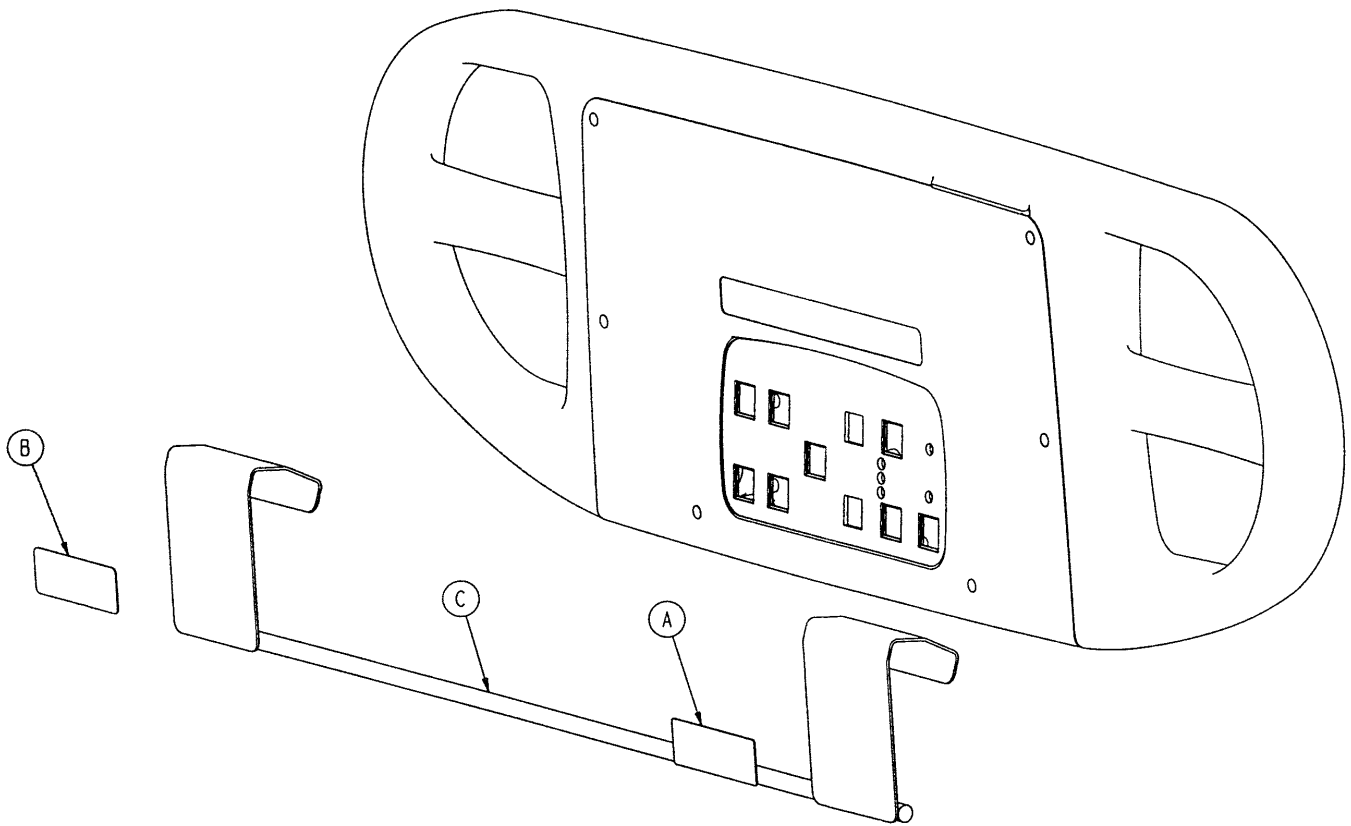
**2040–120–4 Optional Pleur–Evac Rack with Defibrillator Tray**

| <b>Item</b> | <b>Part No.</b> | <b>Part Name</b>       | <b>Qty.</b> |
|-------------|-----------------|------------------------|-------------|
| A           | 8–49            | Soc. Hd. Shoulder Bolt | 2           |
| B           | 14–20           | Thrust Washer          | 1           |
| C           | 14–21           | Thrust Washer          | 1           |
| D           | 16–28           | Fiberlock Nut          | 2           |
| E           | 21–17           | Set Screw              | 4           |
| F           | 37–214          | Hole Plug              | 4           |
| G           | 38–133          | Spring                 | 1           |
| H           | 52–17           | Spacer                 | 2           |
| J           | 1010–50–19      | “Push/Pull” Label      | 1           |
| K           | 1010–50–21      | Long Strap             | 1           |
| L           | 1010–50–50      | Knob                   | 1           |
| M           | 1010–50–57      | “Max. Weight” Label    | 4           |
| N           | 1010–50–242     | Lock Pin               | 1           |
| P           | 2025–120–5      | Equipment Label        | 1           |
| R           | 2025–120–18     | Tray Assembly          | 1           |
| S           | 2040–90–1       | Warning Label          | 1           |
| T           | 2040–90–5       | Specification Label    | 1           |
| U           | 2040–120–3      | Rack Weldment          | 1           |

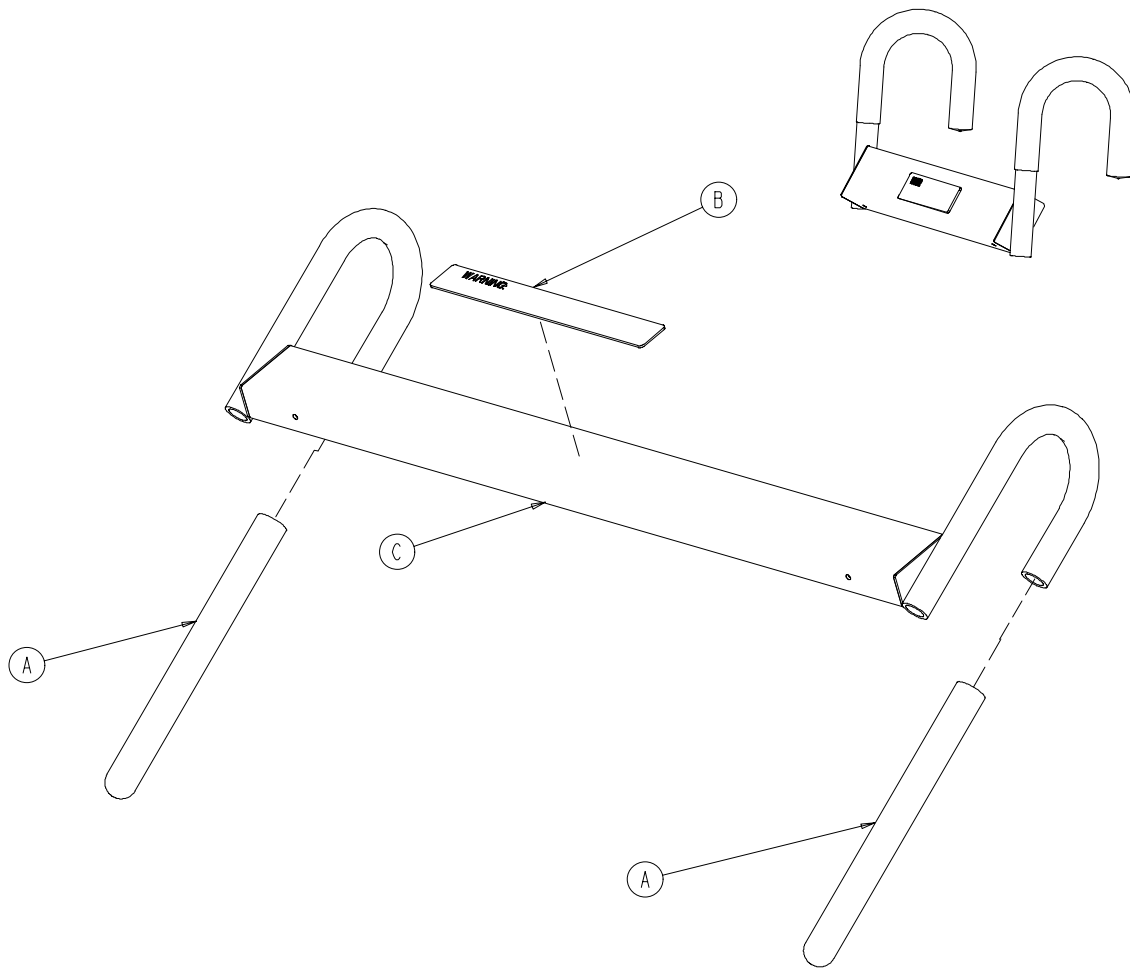
## 2040–120–20 Optional Pleur–Evac Rack Assembly



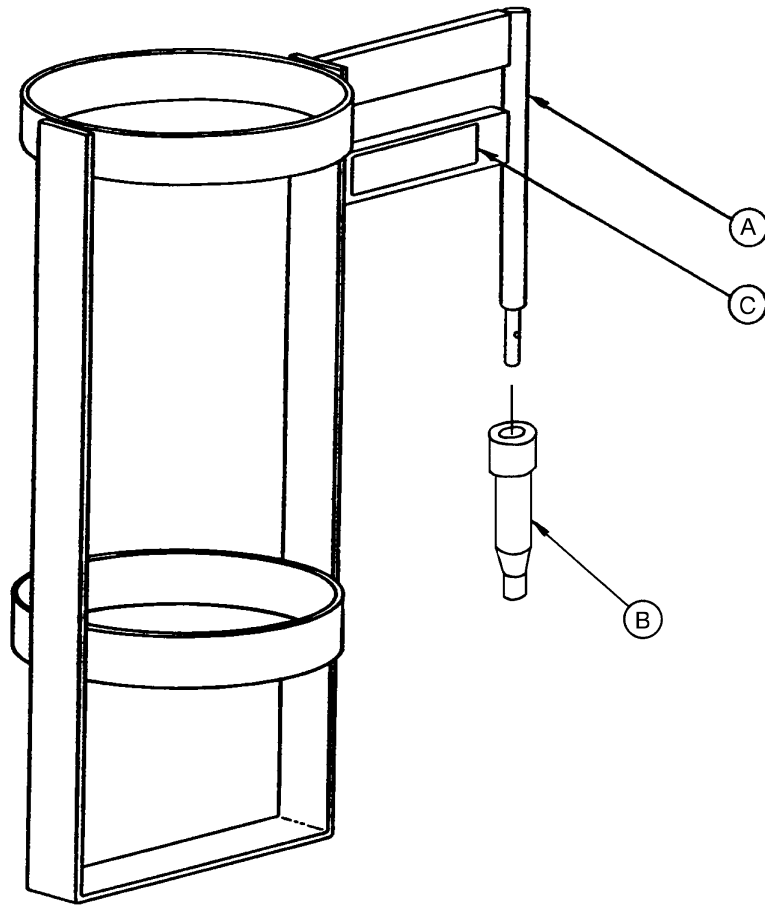
| Item | Part No.    | Part Name               | Qty. |
|------|-------------|-------------------------|------|
| A    | 3–50        | Hex Hd. Cap Screw       | 2    |
| B    | 3–85        | Hex Hd. Cap Screw       | 1    |
| C    | 15–28       | Nylock Nut              | 2    |
| D    | 16–36       | Nylock Nut              | 1    |
| E    | 21–17       | Set Screw               | 4    |
| F    | 37–214      | Hole Plug               | 4    |
| G    | 1010–50–57  | Maximum Weight Label    | 1    |
| H    | 2040–90–1   | Acc. Rail Warning Label | 1    |
| J    | 2040–90–4   | Specification Label     | 1    |
| K    | 2040–120–3  | Rack Weldment           | 1    |
| L    | 2040–120–10 | Rack Top Weldment       | 1    |

**2040–120–9 Optional Siderail Pleur–Evac Rack Assembly**

| Item | Part No.   | Part Name            | Qty. |
|------|------------|----------------------|------|
| A    | 2040–90–1  | Warning Label        | 1    |
| B    | 2040–90–2  | Maximum Weight Label | 1    |
| C    | 2040–120–8 | Rack Weldment        | 1    |

**2040–111 Optional Pump Rack Assembly**

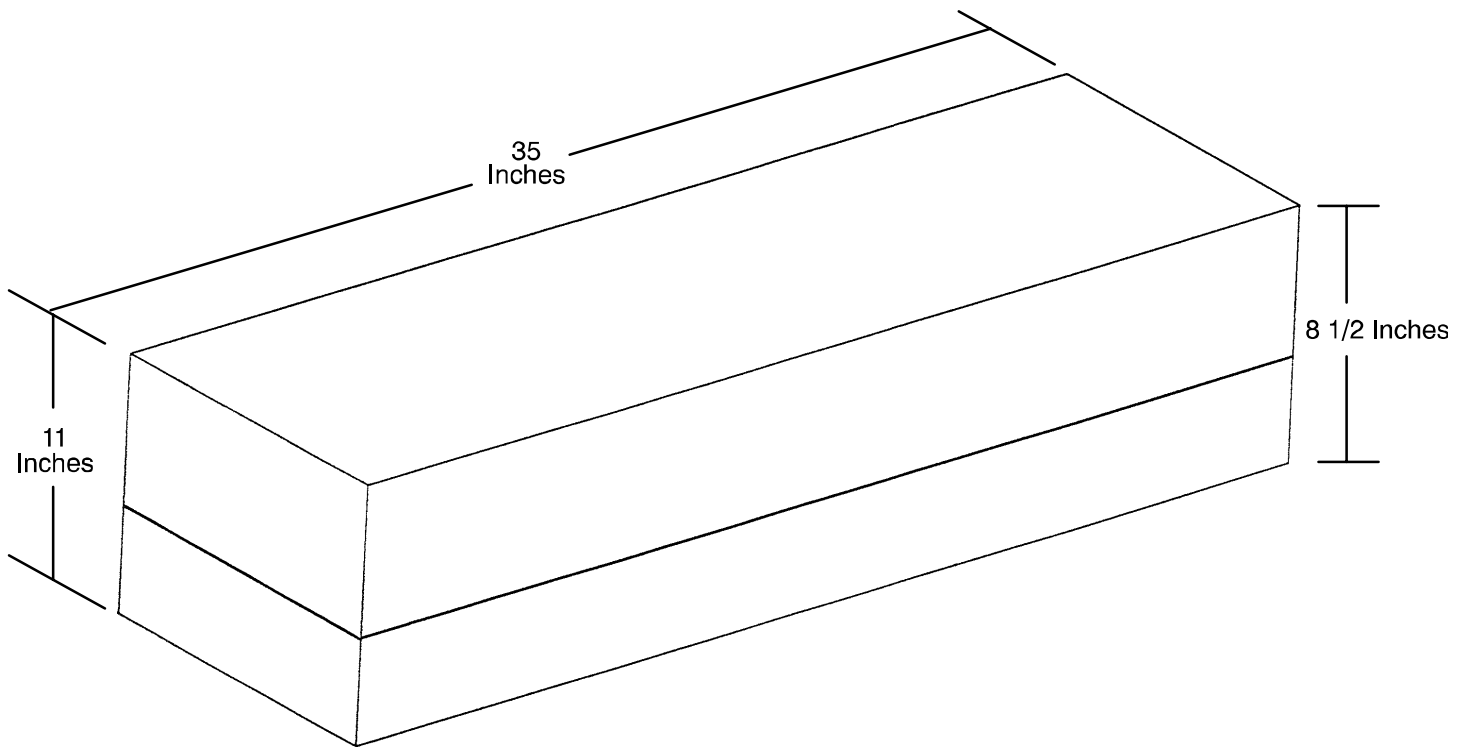
| Item | Part No.   | Part Name       | Qty. |
|------|------------|-----------------|------|
| A    | 58–87      | End Cap         | 2    |
| B    | 2030–140–2 | Pump Rack Label | 1    |
| C    | 2040–111–5 | Pump Rack Tube  | 1    |

**2025–150–10 Optional Upright O2 Bottle Holder Assembly**

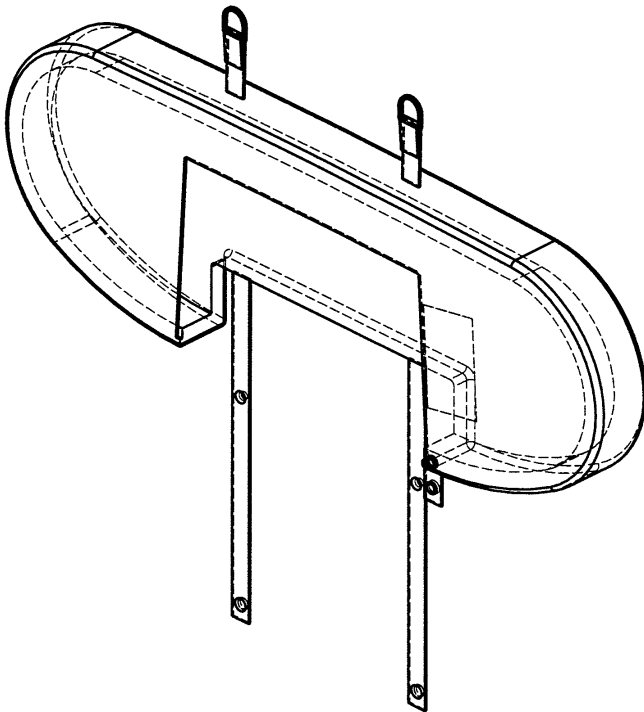
| Item | Part No.   | Part Name             | Qty. |
|------|------------|-----------------------|------|
| A    | 1010–30–11 | Upright Bottle Holder | 1    |
| B    | 2025–150–1 | Bottle Holder Adapter | 1    |
| C    | 2025–150–2 | Specification Label   | 1    |

## 2025–40 Optional Bed Extender Pad

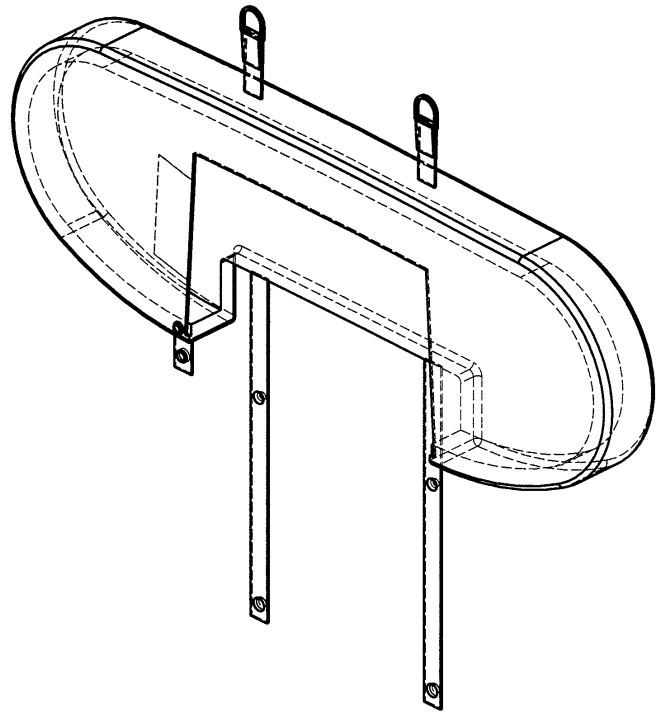
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## 2040–130 Optional Siderail Pad Set



3000–336–11 Right Siderails



3000–336–12 Left Siderails



### **European Representative**

Stryker France  
BP 50040-95946 Roissy Ch. de Gaulle  
Cedex-France

Phone: 33148632290  
Fax: 33148632175

**stryker<sup>®</sup>**  
**Medical**

6300 Sprinkle Road, Kalamazoo, MI 49001-9799 USA

(800) 327-0770  
[www.strykermedical.com](http://www.strykermedical.com)



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