IMPORTANT
File in your maintenance records

stryker®
Medical

E/PIC II® & E/PIC II®+ Critical Care Bed

Model 2030/2031

MAINTENANCE MANUAL

For Parts or Technical Assistance
1-800-327-0770 (Option 2)

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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 patients weighing up to 227 kilograms
Weigh System Accuracy (optional equipment)	± 2% of total patient weight at zero degrees of Trend
Overall Bed Length/Width	L−91” /W−42.5” or L−231 cm /W−108 cm
Minimum/Maximum Bed Height (Standard) Minimum/Maximum Bed Height (Enhanced)	18.25” to 32.5” − 46.5 cm. to 82.5 cm. (6” casters) 20.25” to 34.5” − 51.5 cm. to 88 cm. (8” casters) 19.9” to 34.5” − 50.5 cm. to 88 cm. (6” casters) 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 230 VAC, 50/60 Hz, 4.0 Amps 100 VAC, 50/60 Hz, 9.0 Amps (Japan Option)
Battery Voltage (Optional)	26 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

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 W ARRANTY 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 T O 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 apply the caster brakes when a patient is getting on or off the bed. Always keep the caster brakes applied when a patient is on the bed (except during transport). 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 annually to ensure all bed features are functioning properly. Close attention should be given to safety features including, but not limited to: safety side latching mechanisms, frayed electrical cords and components, all electrical controls return to off or neutral position when released, caster braking systems, no controls or cabling entangled in bed mechanisms, leakage current 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 accidently pressed.
- Explosion Hazard - do not use bed in the presence of flammable anesthetics.
- Because individual beds may have different options, foot boards should not be moved from one bed to another. Mixing foot boards could result in unpredictable bed operation.

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 accidently 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”, ”Docker Station”, or equivalent (whichever applies). Test the interface cable to verify it is functioning properly.

⚠ WARNING

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

- Ensure the siderails raise, lower and store smoothly and lock in the up 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

Warning, Refer to Service/Maintenance Manual

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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 INSULA TION.

Mode of Operation: Continuous

IPX4: Protection from liquid splash

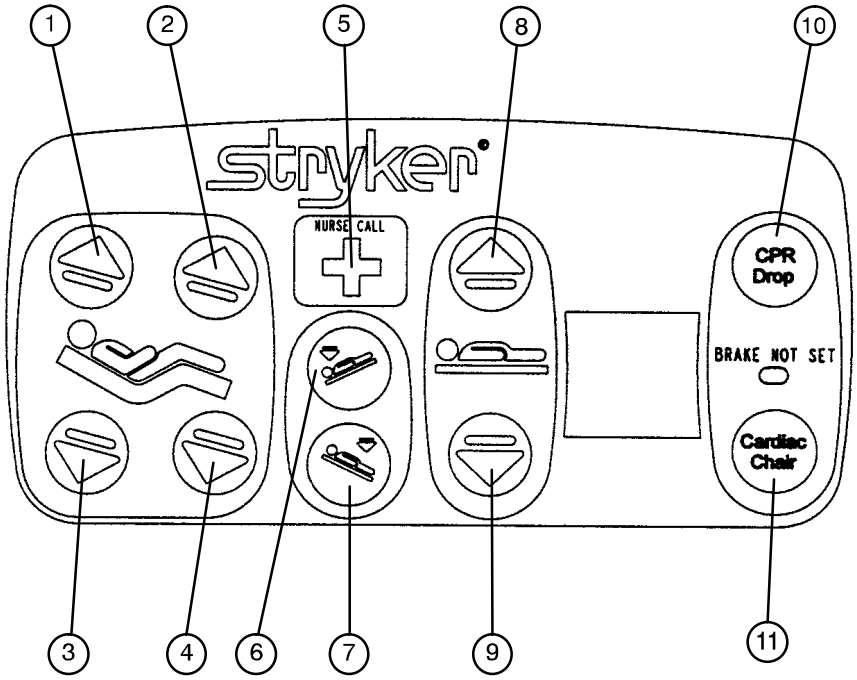
Dangerous Voltage Symbol

Protective Earth Terminal

Potential Equalization Symbol

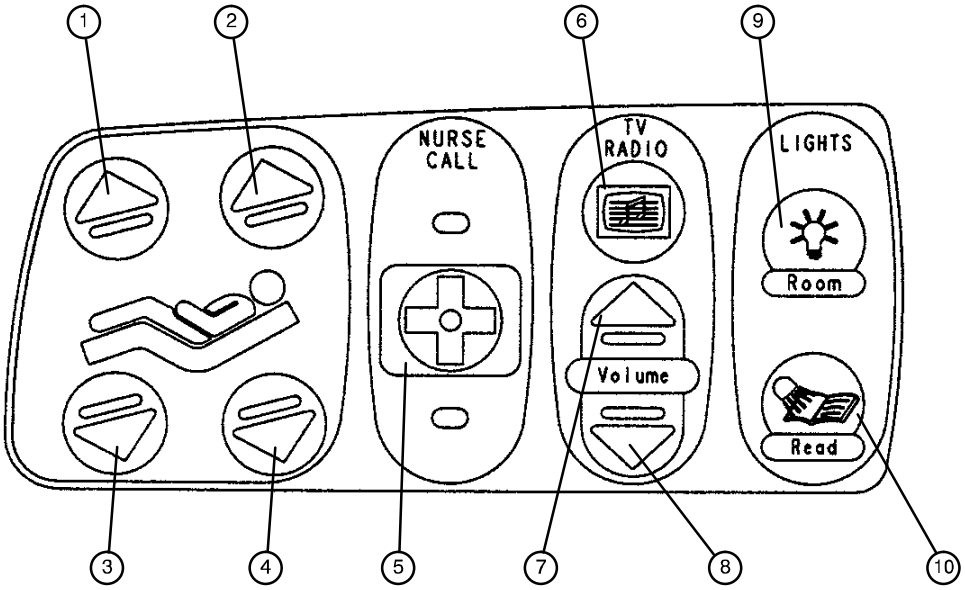
Medical Equipment Classified by Underwriters Laboratories Inc. with Respect to Electric Shock, Fire, Mechanical and Other Specified Hazards Only in Accordance with UL 2601-1 and CAN/CSA C22.2 No. 601.1

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

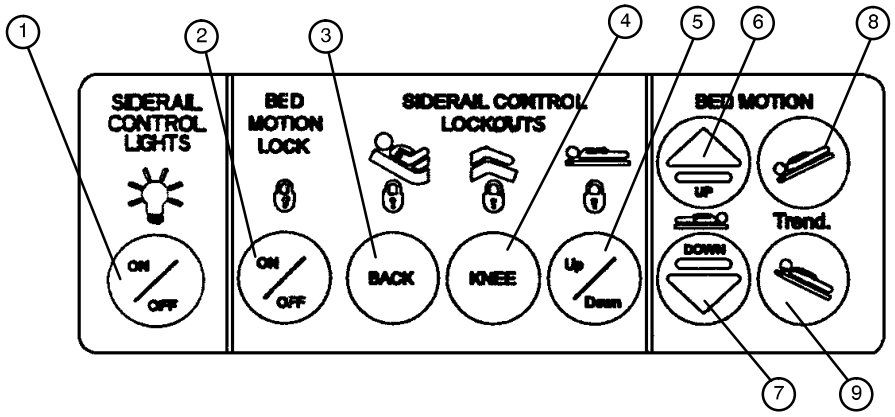


1. Press to raise knee section.
2. Press to raise back section.
3. Press to lower knee section.
4. Press to lower back section.
5. Press to activate the nurse call.
6. Press to turn on the TV or radio. Press again to change TV channels and to turn off the TV.
7. Press to increase the TV or radio volume.
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.

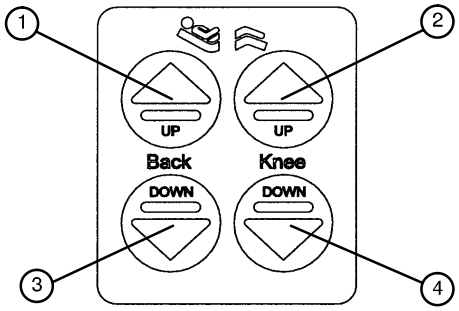
Bed Symbols

⚠ WARNING

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

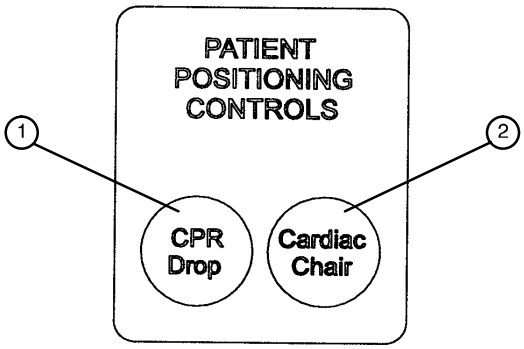


1. Press repeatedly for low, medium and high settings for the siderail control lights. Continue to press this switch to turn off the siderail control lights and the nurse call indicator light.
2. Press to lock out all bed motion controls on the siderails. Press again to unlock.
3. Press to lock out Back 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).

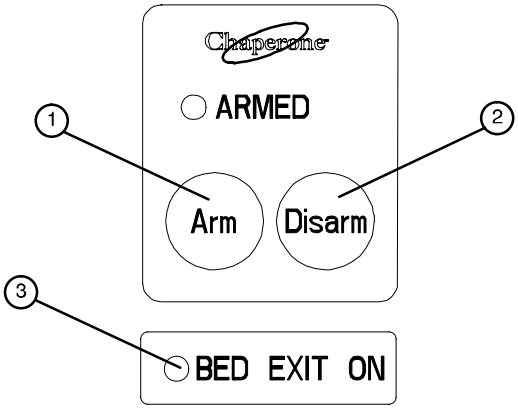


1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.

Bed Symbols

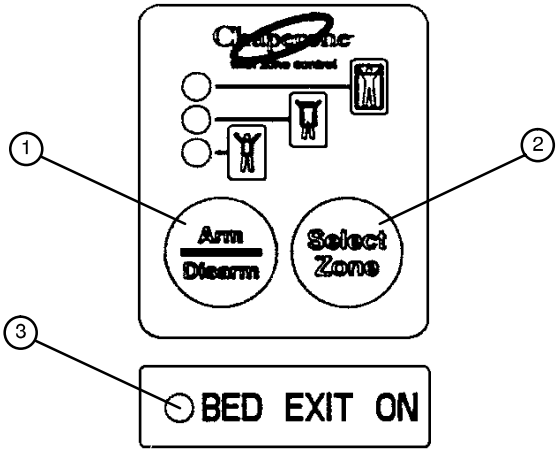


1. Press to activate the emergency CPR drop function. The bed will level from Trendelenburg/reverse Trendelenburg, the Fowler will lower to flat, the Knee will lower to flat and the litter will lower to full down.
2. Press to activate the Cardiac Chair function. The Knee will raise, the Fowler will raise 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.

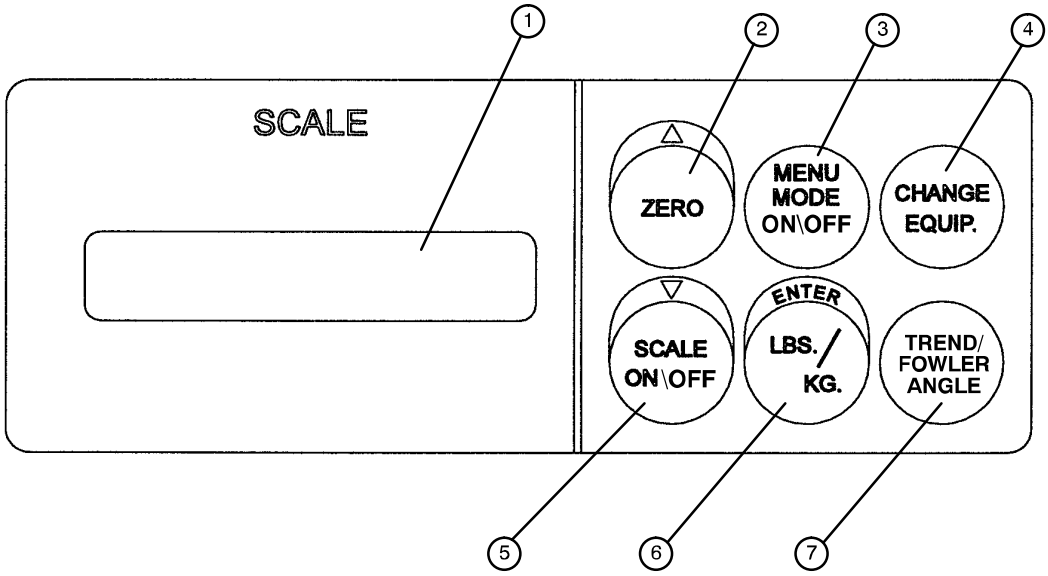


1. Push to activate Bed Exit function.
2. Push to deactivate Bed Exit function.
3. “BED EXIT ON” LED - will light when the BED EXIT function is armed.

Bed Symbols

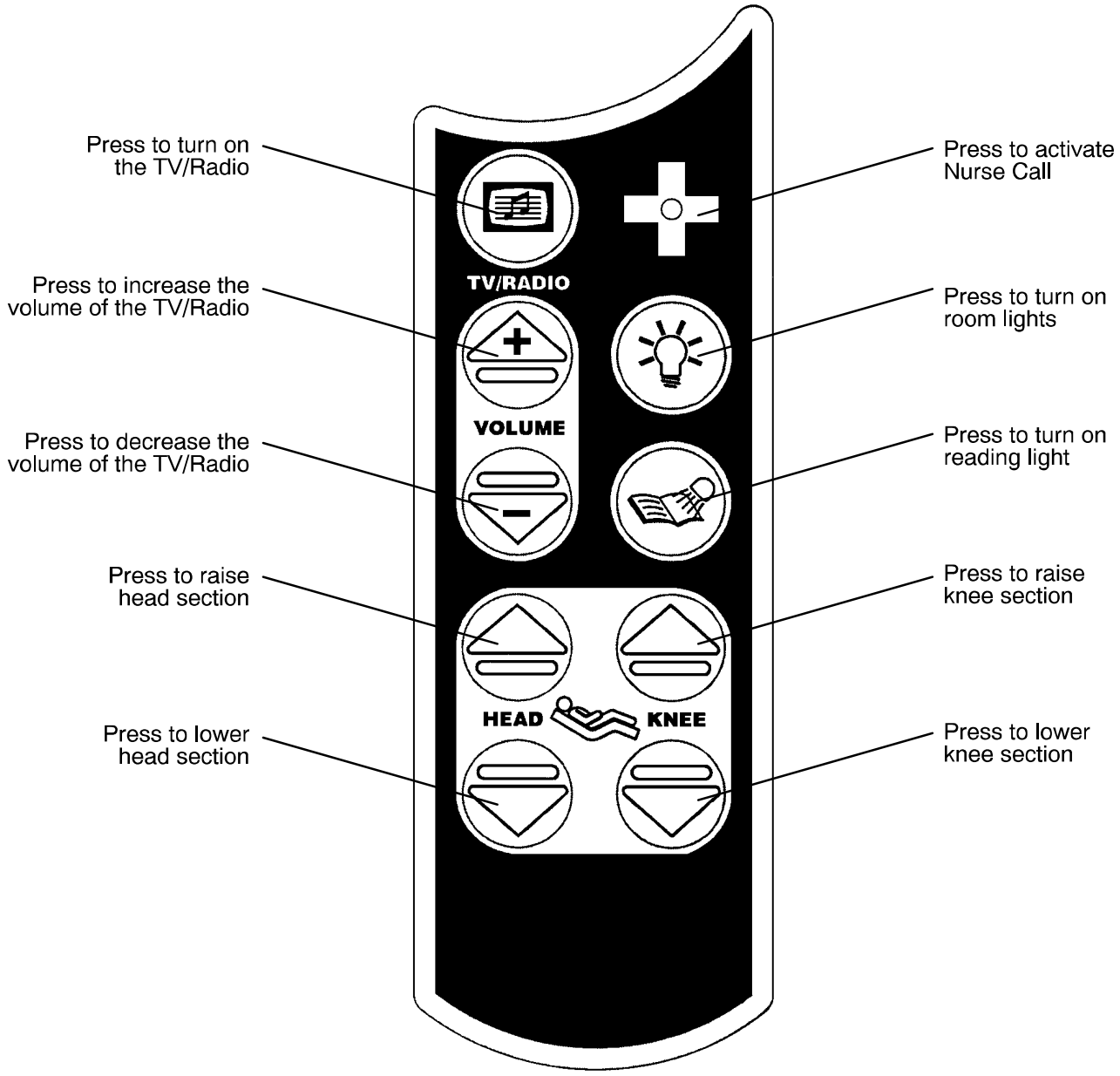


1. Press to arm or disarm the Bed Exit function.
2. Press to select the zone desired for Bed Exit function.
3. “BED EXIT ON” LED - will light when the BED EXIT function is armed.



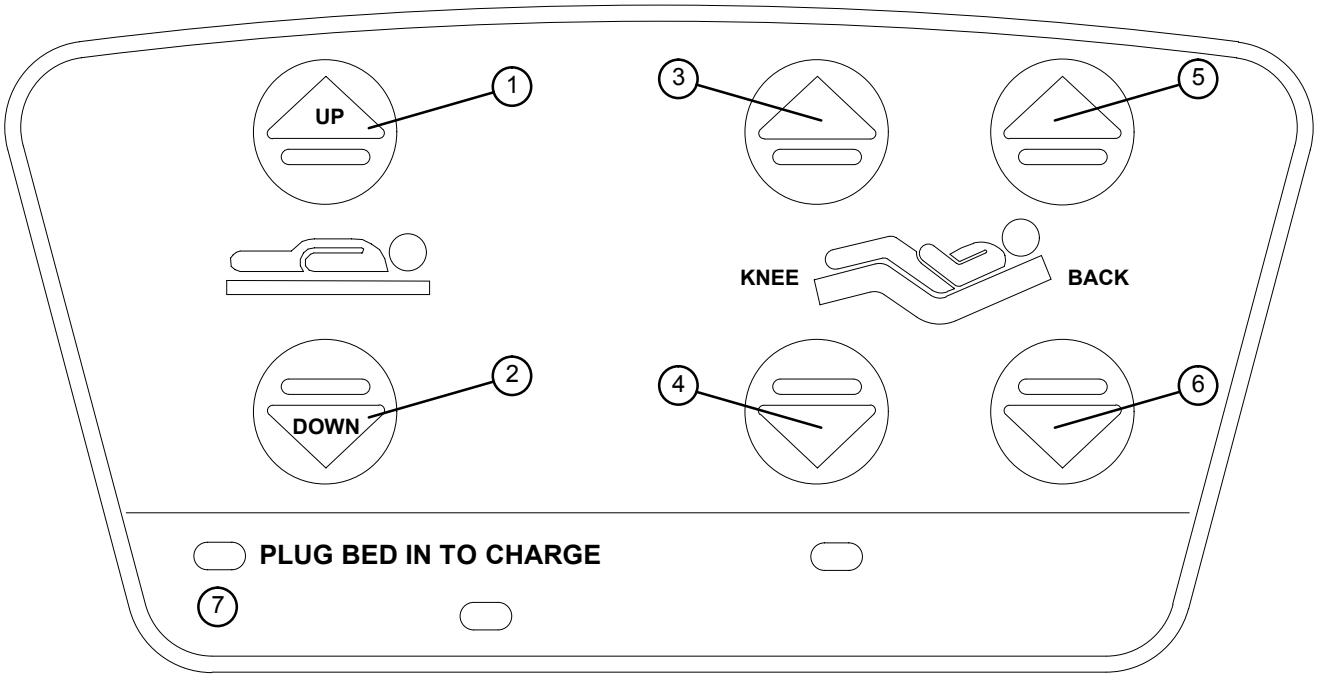
1. LCD - displays patient weight. Trendelenburg angle is displayed when the scale is not active.
2. Press to zero bed. Also press to scroll while Menu Mode is active.
3. Press to enter and exit the Menu Mode.
4. Press when adding or removing equipment to the bed.
5. Press to turn weigh system on and 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


Press to turn on the TV/Radio
Press to increase the volume of the TV/Radio
Press to decrease the volume of the TV/Radio
Press to raise head section
Press to lower head section
TV/RADIO
VOLUME
HEAD
KNEE
Press to activate Nurse Call
Press to turn on room lights
Press to turn on reading light
Press to raise knee section
Press to lower knee section

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

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
_____ Manual 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
_____ Scale and Bed Exit system calibrated properly - optional equipment
_____ Power cord not frayed
_____ No cables worn or pinched
_____ All electrical connections tight
_____ All grounds secure to the frame
_____ Ground impedence not more than 100 milliohms
_____ Current leakage not more than 100 microamps
_____ Fowler functioning properly

Bed Serial No. _____ _____
_____ _____
_____ _____
_____ _____
_____ _____

Completed By:_____ Date:_____

NOTE

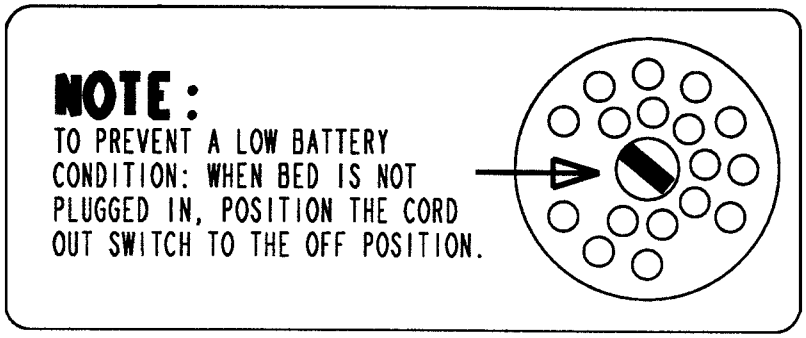
Preventative maintenance should be performed at a minimum of annually. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

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

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	**A.** Check circuit breaker on bed. **B.** Check for 120 VAC power at J1 on power supply. See page 4-4 for power supply voltage test points. **C.** Check for DC voltages on J2 (Pins 1,2,3 & 6) on power supply. See page 4-4 for power supply voltage test points.
No bed down motion	**A.** 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. **B.** If no down motion in diagnostic, check for 120 VAC power on HDR33 and HDR34, Pin 1 and Pin 3, of the CPU. **C.** Check for 1.1-1.5 VDC signal on O6 and O8 Pin 1 and HDR2 Pin 5 of the CPU PCB. **D.** Check for motion interrupt jumper on HDR3.
No bed up motion	**A.** Check 120 VAC power on HDR33 and HDR34, Pin 1 and Pin 6, of the CPU board. **B.** Check for 1.1-1.5 VDC signal on O5 and O7 Pin 1 and HDR2 Pin 5 of the CPU PCB.
No Gatch down motion	**A.** Check for 120 VAC power on HDR30 Pin 1 and Pin 3 of the CPU board. **B.** Check for 1.1-1.5 VDC signal on O3 Pin 1 and HDR2 Pin 5 of the CPU PCB.
No Gatch up motion	**A.** Check for 120 VAC on HDR30, Pin 1 and Pin 2 of the CPU board. **B.** Check for 1.1-1.5 VDC on O1 Pin 1 and HDR2 Pin 5 of the CPU PCB.
No Fowler down/or uneven motion	**A.** Check for 120 VAC power on HDR29 Pin 3 and Pin 1 of the CPU board. **B.** Check for 1.1-1.5 VDC signal on O4 Pin 1 and HDR2 Pin 5 of the CPU PCB. **C.** Refer to Fowler Mechanism Customer Guide (2030-009-028)
No Fowler up/or uneven motion	**A.** Check for 120 VAC on HDR29, Pin 1 and Pin 3 of the power supply. **B.** Check for 1.1-1.5 VDC on O2 Pin 1 and HDR2 Pin 5 of the CPU PCB. **C.** Refer to Fowler Mechanism Customer Guide (2030-009-028)

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.	**A.** Check the circuit breakers at the head end of the bed. **B.** Check battery + to battery - on the power board for greater than 22VDC. **C.** V erify the battery voltage is greater than 22 VDC. **D.** Check the battery fuse - replace if necessary (p/n 2040-1-802). **E**. Check the cable connections from the batteries to the display board. **F.** 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.	**A.** Check the safety switches on the drive bar. **B.** V erify the battery voltage is greater than 22 VDC. **C.** Verify the display board is functioning. **D.** 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).	**A.** Wait approximately 3-5 minutes to allow the inverter/changer board to cool down.
The bed power cord is plugged in but the battery does not charge.	The battery charger is not functioning.	**A.** Check the circuit breakers on the litter. **B.** Check the battery charger. **C.** Check all cable connections on the charger.

Notes

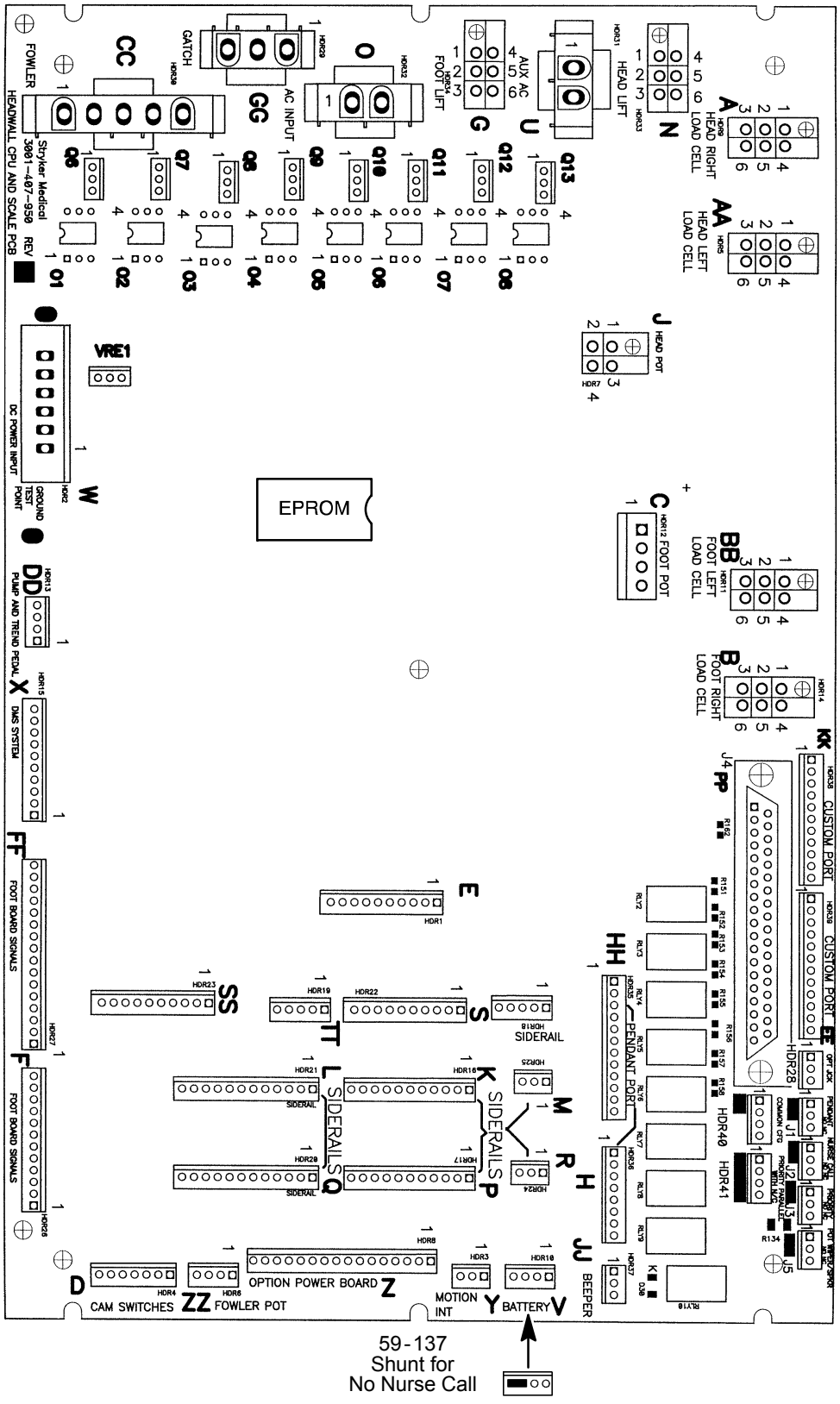
GENERAL INFORMATION

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

ELECTRICAL SYSTEM INFORMATION CONTENTS

CPU Board

EPIC II CPU (BED EXIT/SCALE) - 2030-700-18 **EPIC II+ CPU (BED EXIT/SCALE) - 2040-700-18**
(ZONE BED EXIT/SCALE) - 2030-700-19 **(ZONE BED EXIT/SCALE) - 2040-700-19**



59-137
Shunt for
No Nurse Call

CPU Board (Continued)

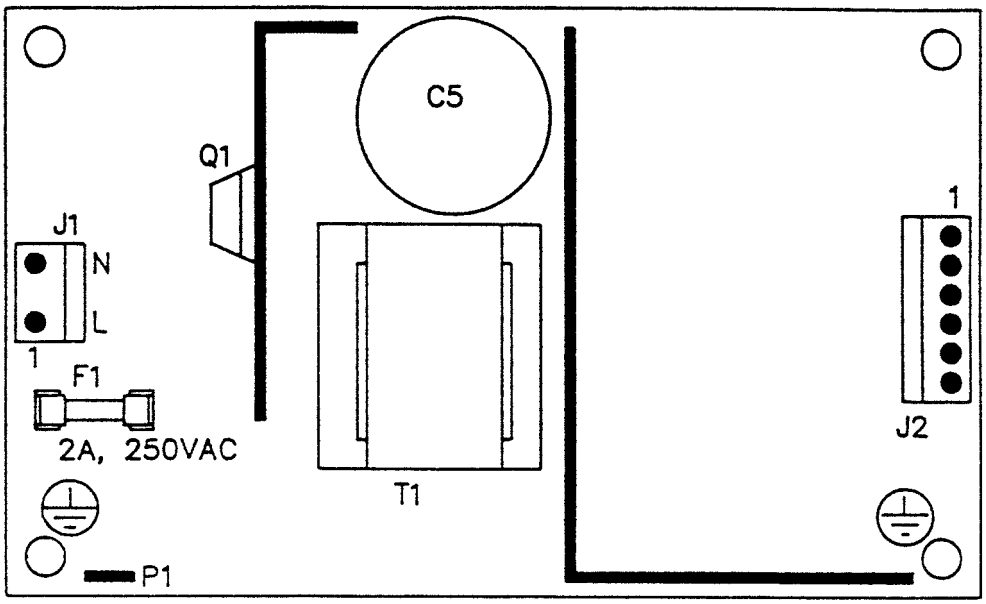
EPIC II CPU (BED EXIT/SCALE) - 2030-700-18
(ZONE BED EXIT/SCALE) - 2030-700-19

EPIC II+ CPU (BED EXIT/SCALE) - 2040-700-18
(ZONE BED EXIT/SCALE) - 2040-700-19

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 Red	Pin 4 Black	+5 VDC for Fowler Pot
HDR 6	ZZ	0 - 5 VDC	Pin 1 Red	Pin 3 Green	Fowler Pot Wiper
HDR 7	J	0 - 5 VDC	Pin 3 Red	Pin 2 White	Head Lift Pot Wiper
HDR 7	J	+5 VDC	Pin 4 Green	Pin 2 White	+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 30	CC	0 VAC w/o Switch 110 VAC w/Switch	Pin 2 Red	Pin 1 White	Gatch Up
HDR 30	CC	0 VAC w/o Switch 110 VAC w/Switch	Pin 3 Black	Pin 1 White	Gatch Down
HDR 29	GG	0 VAC w/o Switch 160 VAC w/ Switch	Pin 2 Black	Pin 1 White	Fowler Up
HDR 29	GG	0 VAC w/o Switch 120 VAC w/ Switch	Pin 3 Red	Pin 1 White	Fowler Down
HDR 32	O	110 VAC	Pin 1	Pin 2	Line Voltage to Bed
HDR 33	N	0 VAC w/o Switch 120 VAC w/ Switch	Pin 3 Black	Pin 1 White	Head Lift Down
HDR 33	N	0 VAC w/o Switch 120 VAC w/ Switch	Pin 6 Red	Pin 1 White	Head Lift Up
HDR 34	G	0 VAC w/o Switch 120 VAC w/ Switch	Pin 3 Black	Pin 1 White	Foot Lift Down
HDR 34	G	0 VAC w/o Switch 120 VAC w/ Switch	Pin 6 Red	Pin 1 White	Foot Lift Up

Power Supply

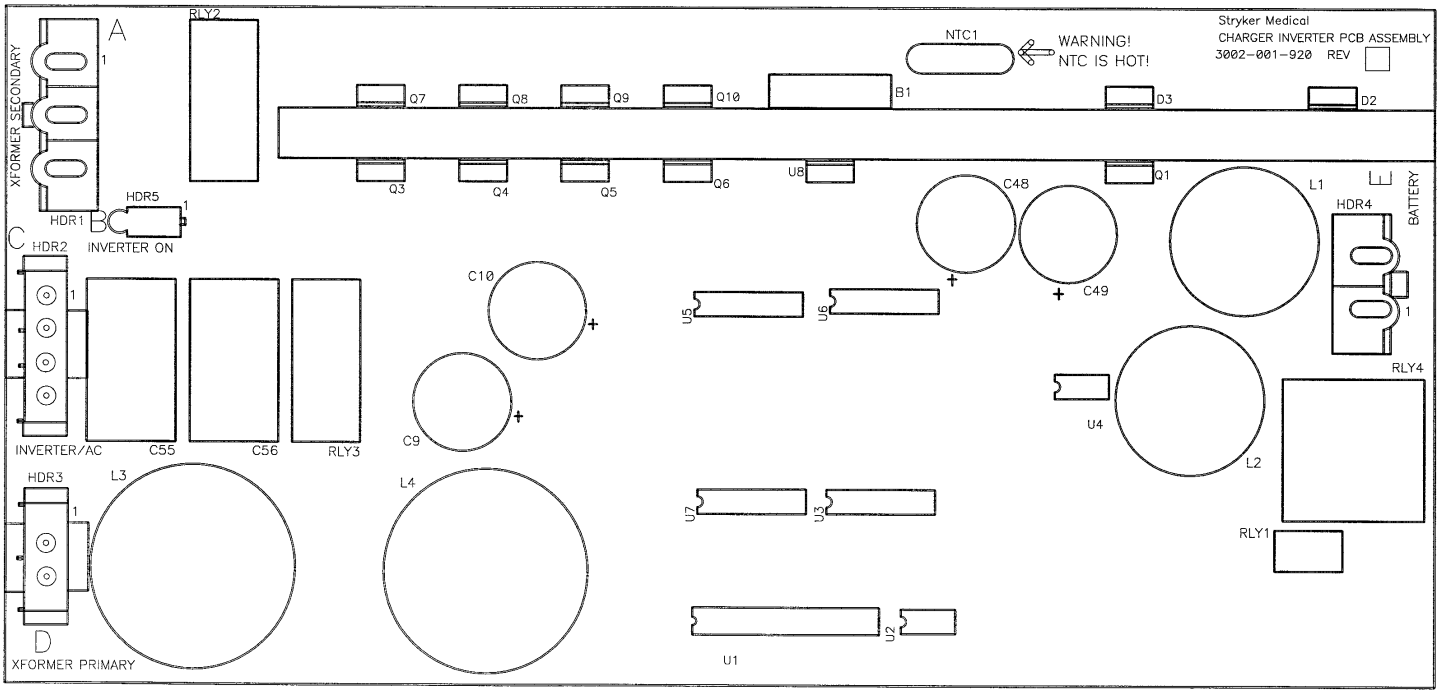
POWER SUPPLY - P/N 59-157



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

Inverter/Charger Board

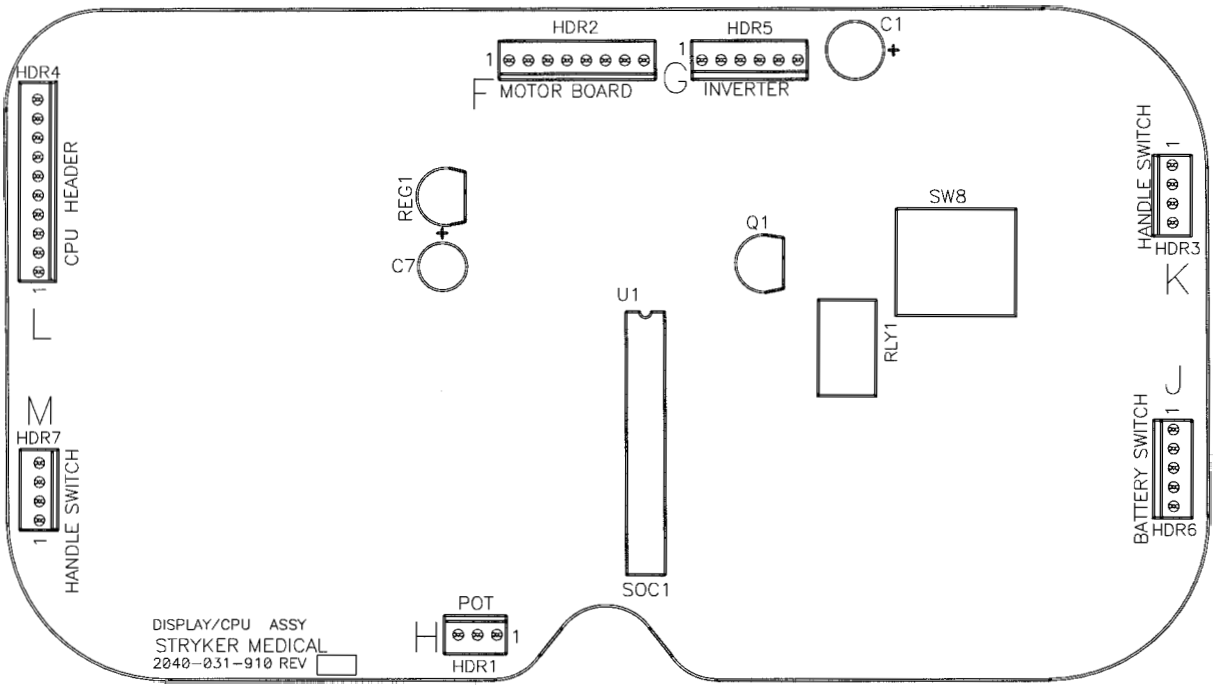
OPTIONAL EPIC II+ INVERTER/CHARGER BOARD - PART NUMBER 3002-1-30



CONNECTOR LOCATION	VOLTAGE	POSITIVE LEAD	NEGATIVE LEAD	DESCRIPTION
HDR 4	26 VDC	Pin 2 Red	Pin 1 Black	From Battery - unplugged
HDR 1	22 VAC	Pin 3 Red	Pin 2	Secondarys from Transformer - plugged in
HDR 1	34 VAC	Pin 1 Green	Pin 2 Brown	Secondarys from Transformer - plugged in
HDR 2	110-140 VAC	Pin 4 Brown	Inverter Module Pin 3 Blue	Unplugged
HDR 2	110 V	Pin 2 Brown	Pin 1 Blue	From Wall - plugged in
HDR 3	120 V	Pin 2	Plug-In Pin 1	Wall Voltage - plugged in

Optional Epic+ Display/CPU Diagram

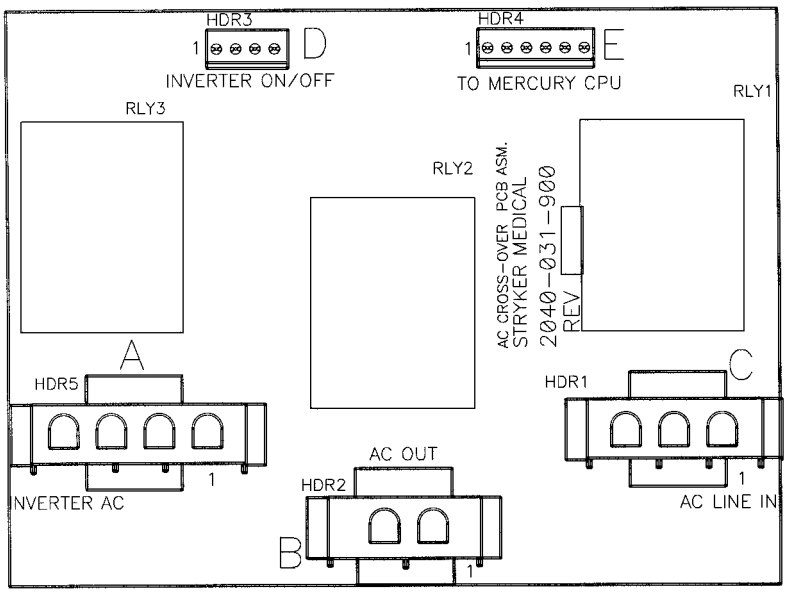
OPTIONAL EPIC II+ DISPLAY/CPU - P/N 2030-31-910



CONNECTOR LOCATION	VOLTAGE	POSITIVE LEAD	NEGATIVE LEAD	DESCRIPTION
HDR 1 (H)	0-5VDC	Pin 1	Pin 2	Control Pot Wiper Voltage (with Switch On)
HDR 6 (J)	Battery voltage around 26VDC	Pin 1	Pin 5	Battery Voltage Return from On/Off Switch (with Switch On)
HDR 4 (L)	5VDC	Pin 9	Pin 1	Voltage from CPU
HDR 1	5VDC	Pin 1	Pin 3	DC Voltage to Pot
HDR 7	Continuity	Pin 1	Pin 4	Right Hand Switch
HDR 3	Continuity	Pin 1	Pin 4	Left Hand Switch
HDR 2	26VDC	Pin 3	Pin 1	Battery Voltage

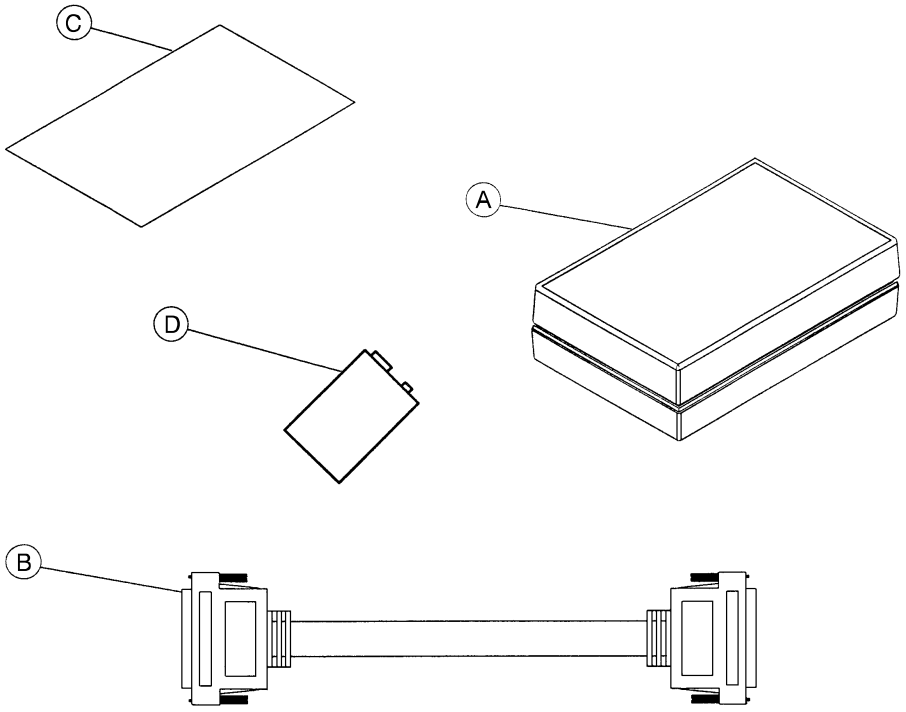
Optional Epic+ AC Crossover Board Diagram

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

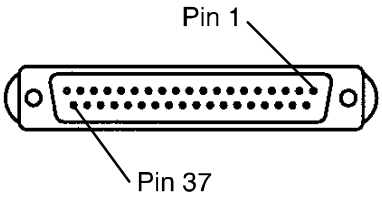
3001-303-165 Optional Bed Communications Tester



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

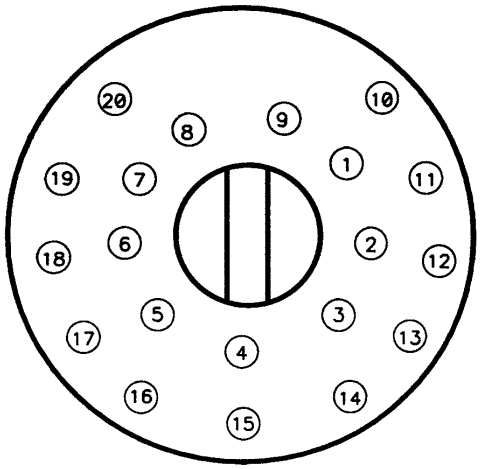
Head Wall Output Configuration

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 (Std.)/Audio (STV)
Pin 16	Nurse Answer Light +
Pin 17	Option 1 NO/NC
Pin 18	Option 1 Common
Pin 19	Nurse Call Light +
Pin 20	Option 2 NO/NC
Pin 21	Option 3 NO/NC
Pin 22	Option 3A NO/NC
Pin 23	Option 2A Common
Pin 24	Option 2A NO/NC
Pin 25	Nurse Call +
Pin 26	Nurse Call NO/NC
Pin 27	Room/Read Light Common
Pin 28	Nurse Call Light -
Pin 29	Nurse Answer Light -
Pin 30	Priority NO/NC
Pin 31	Priority Common
Pin 32	Option 3A Common
Pin 33	TV - (Std.)/Data (STV)
Pin 34	TV + (Std.)/ (STV)
Pin 35	Speaker Low Common
Pin 36	Audio Shield
Pin 37	Radio NO/NC

STRYKER PENDANT PORT



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

CPU/Headwall Jumper Locations

Jumper Locations	Default	Alternate
J5 - Pot. Wiper/Speaker	Pin 4 - Speaker High to Pin 5 Pot. Wiper	
J3 - Priority	Pin 30 - Priority No Nurse Call to Pin 31 Priority Common	
J2 - Nurse Call	Pin 25 - Nurse Call	
J1 - Pendant		
HDR 41 - Priority Parallel with Nurse Call	Pin 25 - Nurse Call+ to Pin 31 Priority Common & Pin 26 - Nurse Call No Nurse Call to Pin 30 Priority No Nurse Call	**Double Shunt** - Pin 33 - TV to Pin 35 - Speaker Low Common and Pin 14 - Pot Low Common
		No Shunts - Separates Pin 33, Pin 35 & Pin 14

Optional Inverter Protection Features

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

⚠ **WARNING**

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

Notes

ELECTRICAL COMPONENTS

AC CROSSOVER BOARD (EPIC II+ OPTION)	2040-31-900
CPU KIT (BED EXIT/SCALE), EPIC II	2030-700-18
CPU KIT (ZONE BED EXIT/SCALE), EPIC II	2030-700-19
CPU KIT (BED EXIT/SCALE), EPIC II+	2040-700-18
CPU KIT (ZONE BED EXIT/SCALE), EPIC II+	2040-700-19
CPU KIT (ZONE BED EXIT)	2030-700-20
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	3002-1-30
POWER SUPPLY	59-157

SIDERAIL BOARDS

INSIDE BOARD	3001-400-930
OUTSIDE BOARD	3001-400-910
SPEAKER W/CABLE	3000-403-831

OTHER COMPONENTS

BATTERY KIT	2040-700-13
CAPACITOR, FOWLER & GATCH	59-779
CAPACITOR, FOWLER & GATCH, 230V	59-153
CAPACITOR, FOWLER & GATCH, JAPAN OPTION	59-207
CAPACITOR, LIFT	59-778
CAPACITOR, LIFT, 230V	3221-200-243
CAPACITOR, LIFT, JAPAN OPTION	59-140
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

OTHER COMPONENTS (CONTINUED)

FOOT PROP RETROFIT KIT	2030-700-16
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
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

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

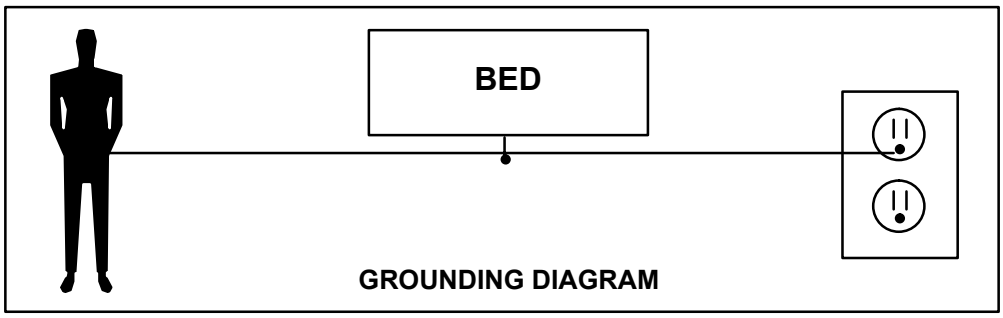
All electronic service parts will be shipped in static shielding bags. Do not open the bags until you have completed steps 2 and 3 of the following procedure. Do not place unprotected circuit boards on the floor. All circuit boards to be returned to Stryker Medical should be shipped in the static shielding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



GROUNDING DIAGRAM

Brake Pedal Replacement

Required Tools:

5/16” Hex Allen Wrench	Torque Wrench	Loctite 242
Hammer	Punch	#2 Phillips Screwdriver
Bungee Cords (or Equivalent)		

Procedure:

4. Raise the litter to the full up position.
5. Unplug the bed power cord from the wall socket.
6. 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.
7. Using a 5/16” hex Allen wrench, remove the two bolts holding the brake pedal to the brake rod.
8. 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.
9. Push the brake rod through the frame until the brake pedal is clear. Remove the brake pedal.
10. Reverse the above steps to attach the new brake pedal.

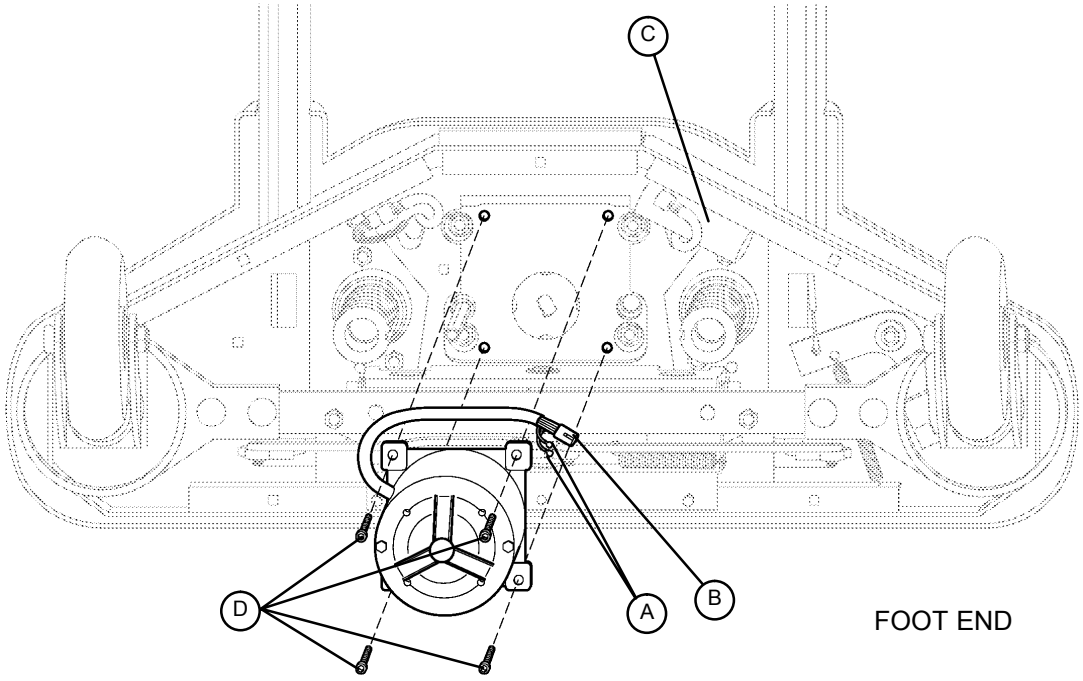
NOTE

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	5/16” Socket Wrench	Floor Jack
Side Cutters	7/16” Open End Wrench	2x4 (or Equivalent)



Procedure:

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

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

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

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

Lift Housing Removal and Replacement

Required Tools:

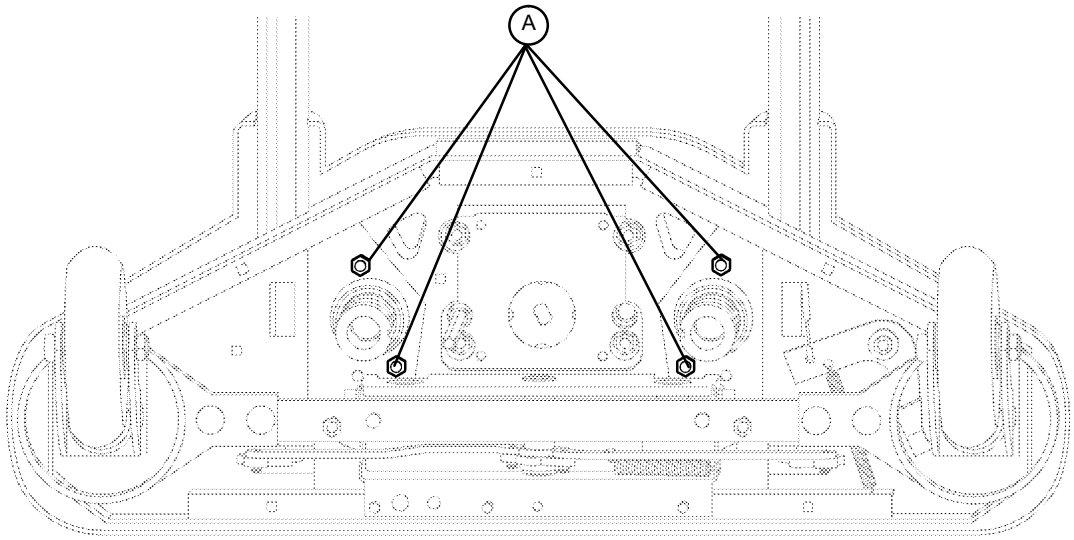
#2 Phillips Screwdriver	Bungee Cord (or Equivalent)	5/16” Socket Wrench
Side Cutters	9/16” Socket Wrench	Floor Jack
7/32” Hex Allen Socket Wrench	Sawhorses (or Equivalent)	2x4 (or Equivalent)
3/8” Socket Wrench (w/ 6” extension)		

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 five bolts holding the lower lift cover to the base and remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws holding the upper lift cover to the base. If you want, hold the covers out of the way by using bungee cords (or the equivalent) to secure them to the litter top.
4. 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.

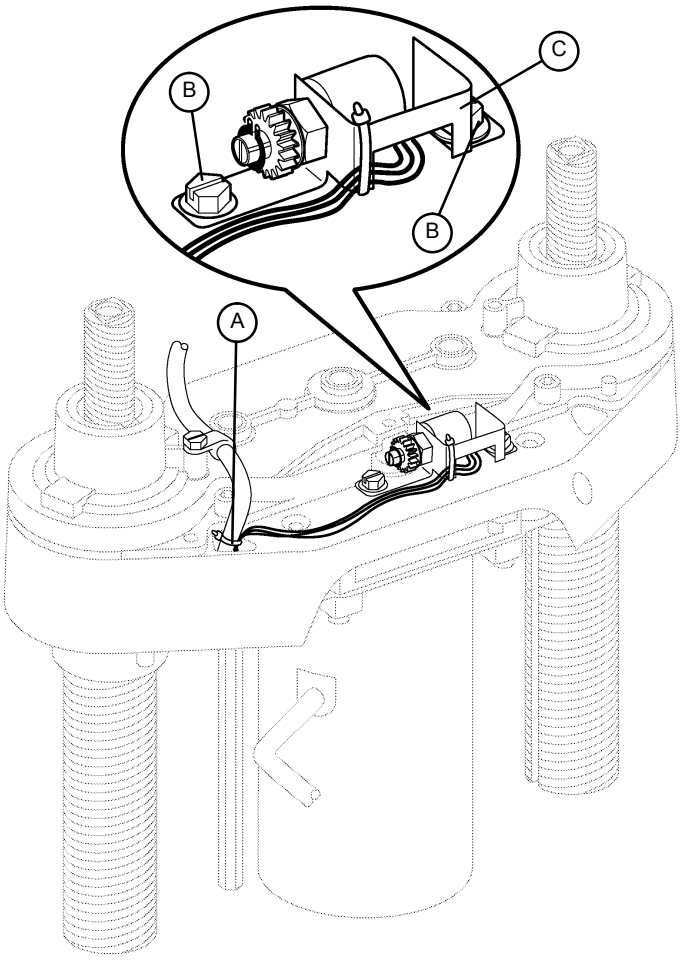
11. Reverse the above steps to reinstall the lift housing assembly after service is completed.

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 five 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. T urn 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

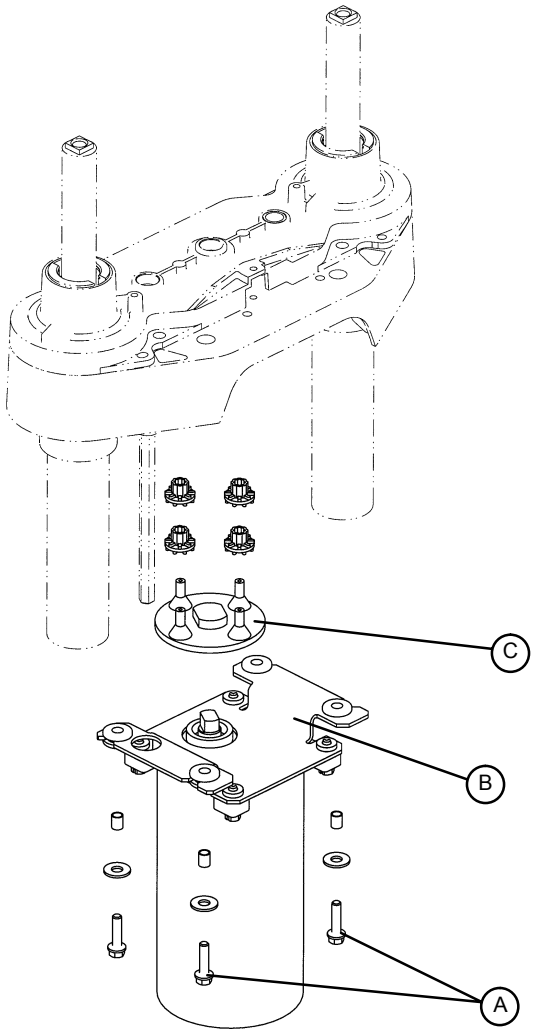
1. Unplug the bed power cord from the wall socket.
2. On the foot board control panel, hold down the Bed Motion Lock and Knee Lock Out buttons simultaneously.
3. While holding down the above two buttons, plug the power cord into the wall socket. Release the two buttons. The Siderail Control Lights LED 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
3/8” Socket Wrench (w/6” Extension)
Floor Jack
2x4 (or Equivalent)



Procedure:

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

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

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.

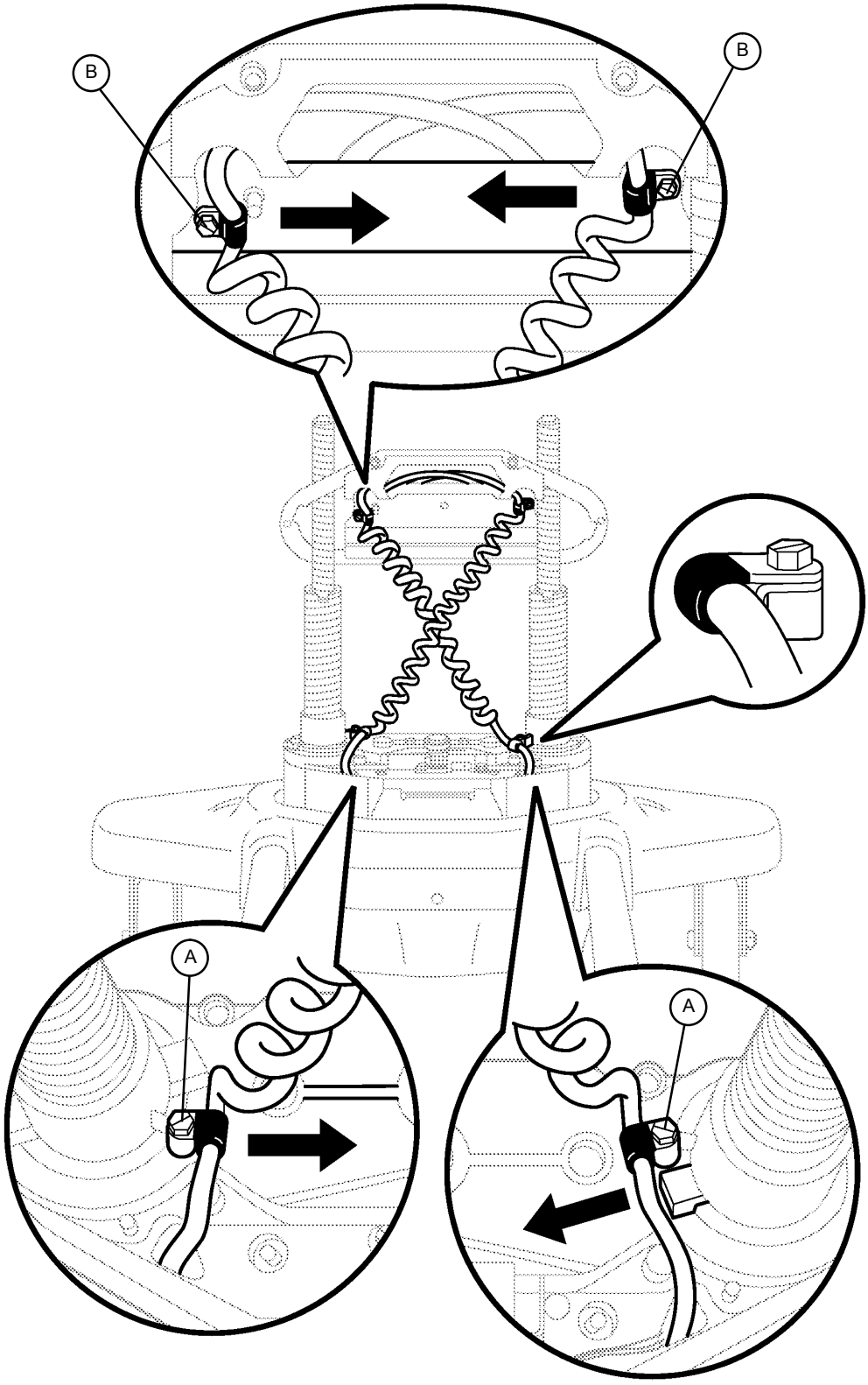
1. Unplug the bed power cord from the wall socket.
2. Using a 5/16” socket wrench, remove the five bolts holding the lower lift cover to the base and remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws holding the upper lift cover to the base. If you want, hold the covers out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

⚠ **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
1/2” Socket Wrench
Phillips Screwdriver
5/32” Allen Wrench
7/16” Wrench
Bungee Cords

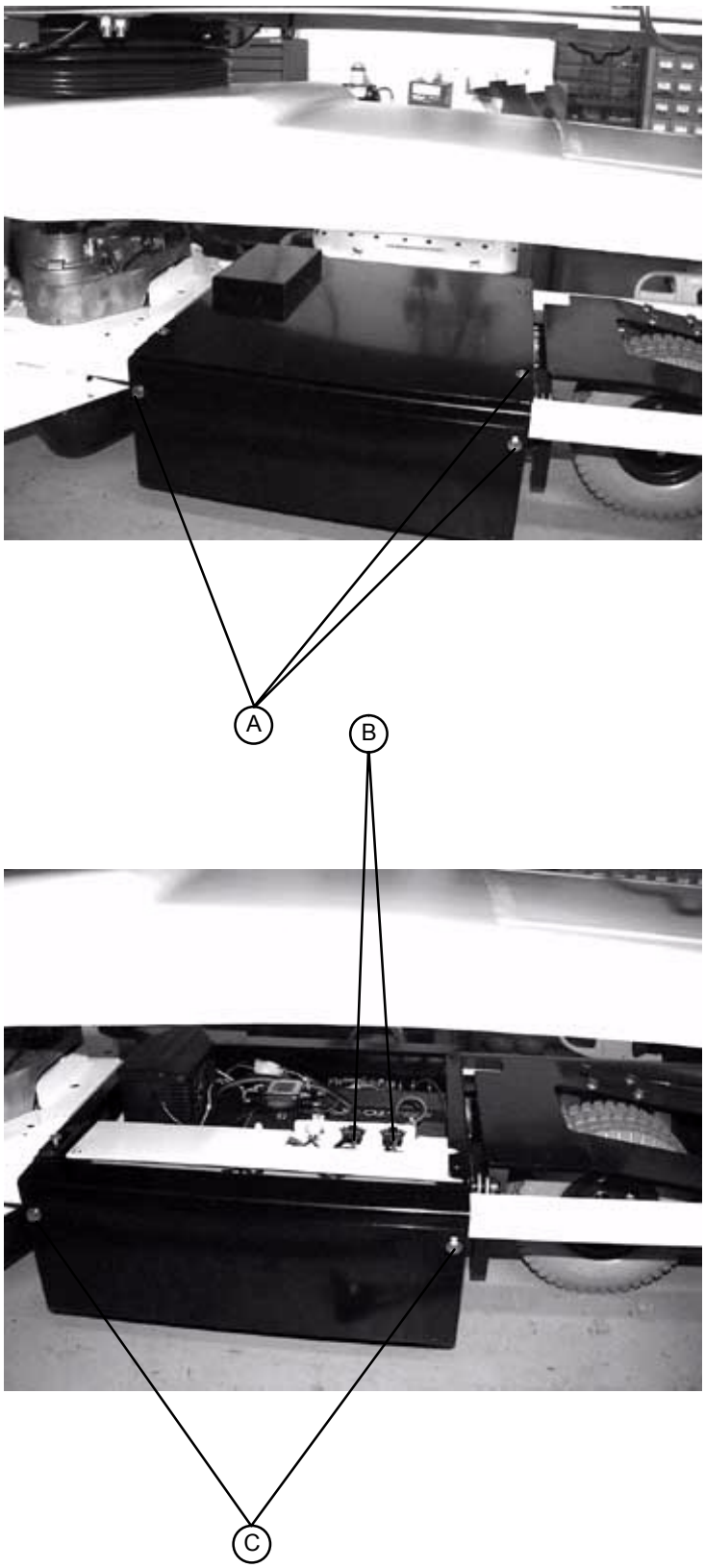
Procedure:

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.



Optional Battery Removal and Replacement (Continued)

9. The back of the battery tray assembly has a lip which catches on the electronics box. Lift up and out to remove the battery tray assembly.
10. Using a Phillips screwdriver, remove the two screws holding the battery terminal to the battery tray assembly.
11. Using a 5/32” Allen wrench and a 7/16” wrench, remove the four screws and nuts holding the battery harness to the battery terminals.
12. Reverse steps 1 - 11 to install the new batteries. Complete the last four items of the set-up procedures on page 1-6.

Notes

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

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 ENTER 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
9/16” Open End Wrench
Saw Horse (or Equivalent)
Wire Cutters

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 Potentiometer Replacement

Required Tools:

T27 Torx
Wire Cutters
1/2” Open End Wrench
7/64” Allen Wrench

Replacement Procedure:

1. Manually crank the knee section up until it stops.
2. Using a T27 Torx, remove the four screws holding the litter access cover to the litter and remove the cover.
3. Using a 7/64” Allen wrench, loosen the screw holding the linkage to the pot. shaft and remove the linkage from the shaft.
4. Using a 1/2” open end wrench, remove the nut holding the potentiometer to the frame.
5. Using wire cutters, remove the cable ties from the cable. Unplug the cable from the CPU and remove the pot.
6. Reverse the above procedure to install the replacement potentiometer.
7. The new potentiometer must be calibrated after it has been installed.
8. The Fowler pot. should be set at 150 ohms (± 10 ohms) in the full down position. This reading must be taken from pins 3 and 4 on the connector with the pot. unplugged from the board. After the correct ohm reading is achieved, tighten the screw on the linkage.
9. Press and hold the “Knee Lockout” and “Bed Motion Lock” buttons on the foot board.
10. Plug the power cord into the wall socket. Release the two buttons and the “Knee Lockout” LED should be flashing. This indicates the bed is in the correct calibration mode.
11. 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.
12. 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 and unplug the bed power cord to complete the “burn in” mode.
13. Plug the bed power cord into the wall socket and verify the back limits are set properly before returning the bed to service.

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 siderail 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 (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	1/2” Box End Wrench	#2 Phillips Screwdriver
Wire Cutters	Small Flat Blade Screwdriver	Needle Nose Pliers
5/16” Nut Driver		

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.

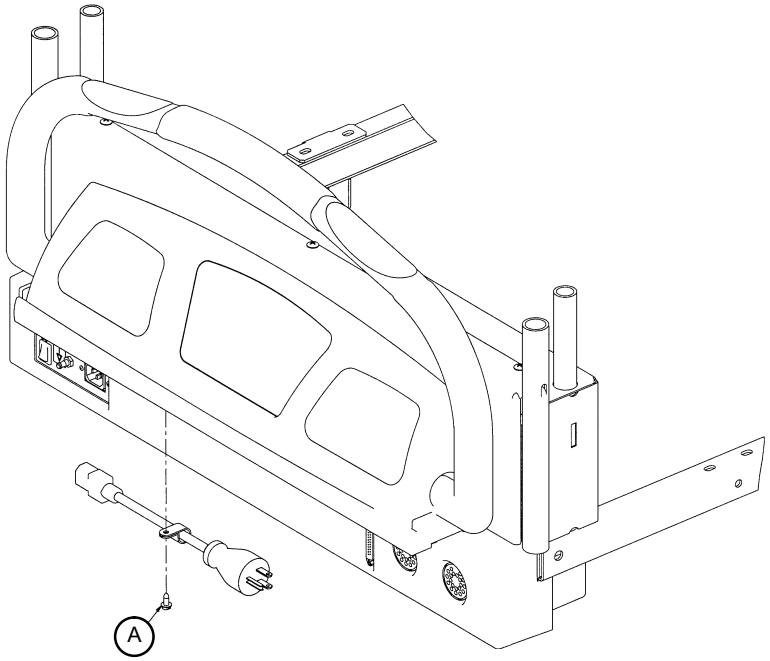


FIGURE 1

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).

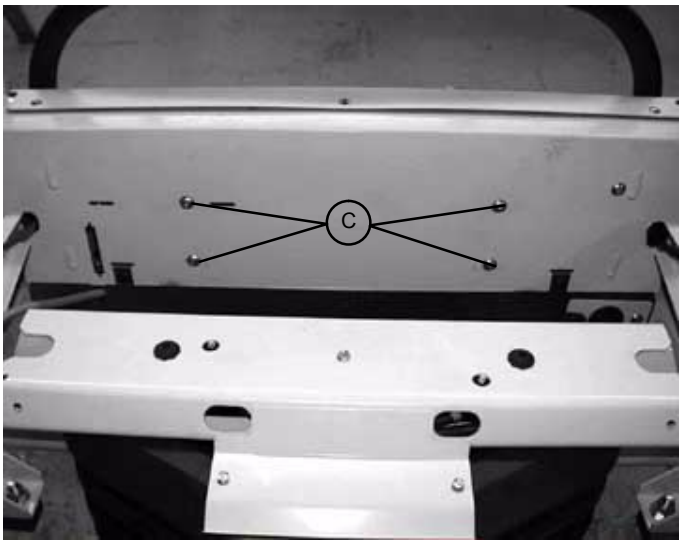


FIGURE 2

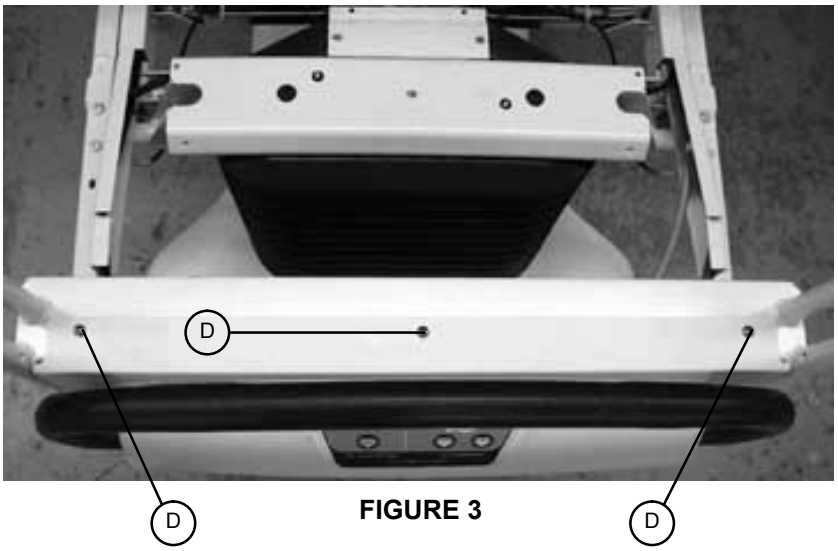


FIGURE 3

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

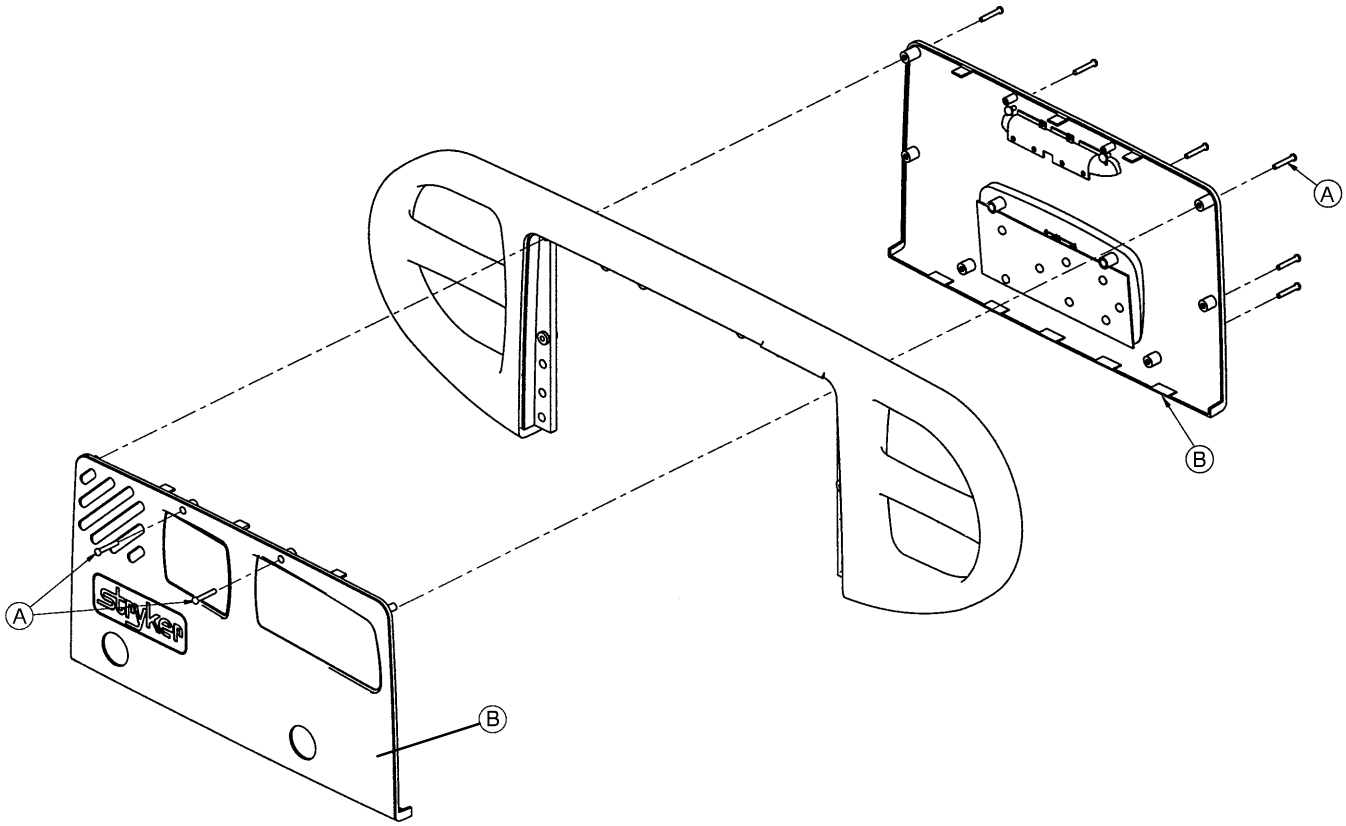
This section contains tool lists and step-by-step procedures to assist with the maintenance and servicing of the siderail portion of your equipment.
In the text, the words “right” and “left” refer to the right and left sides of a patient lying face up on the bed.

SIDERAIL MAINTENANCE CONTENTS

Head and Foot 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.

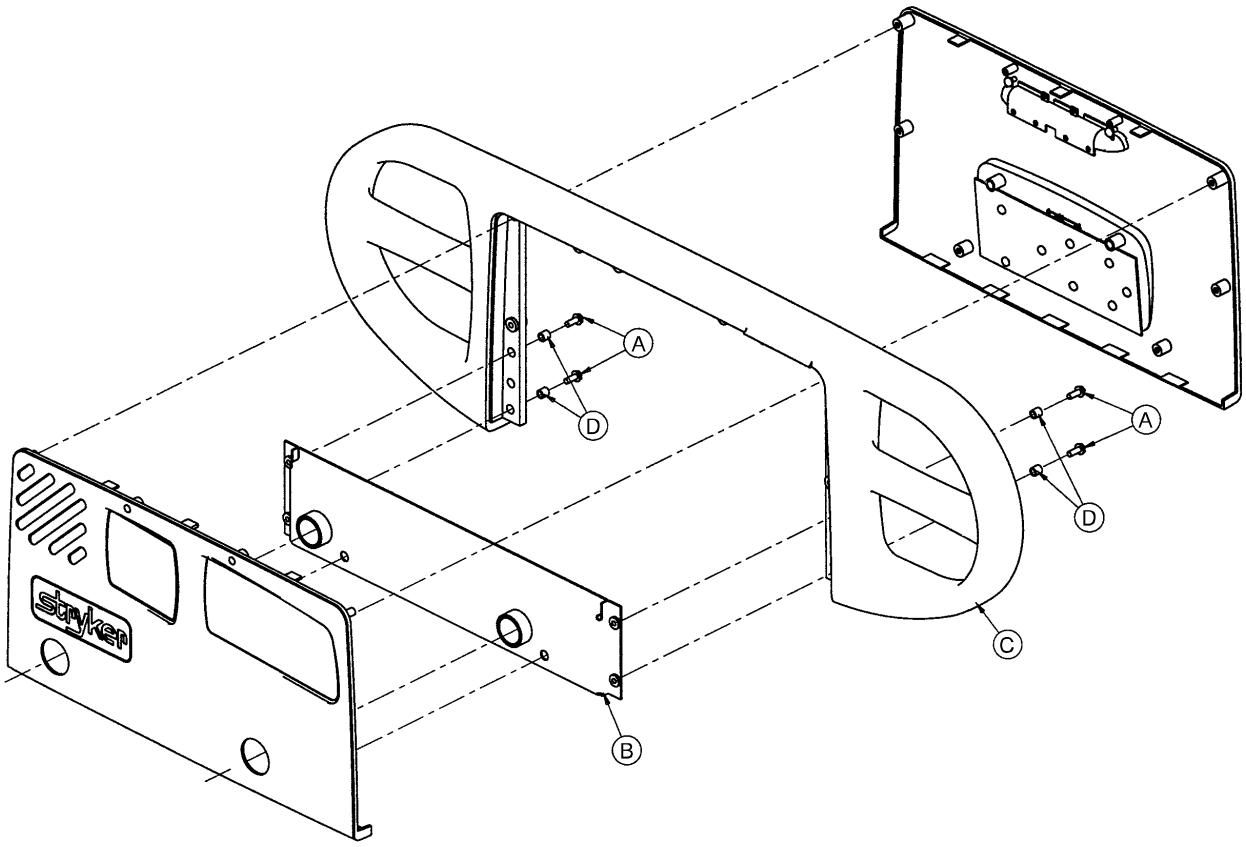
NOTE

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.

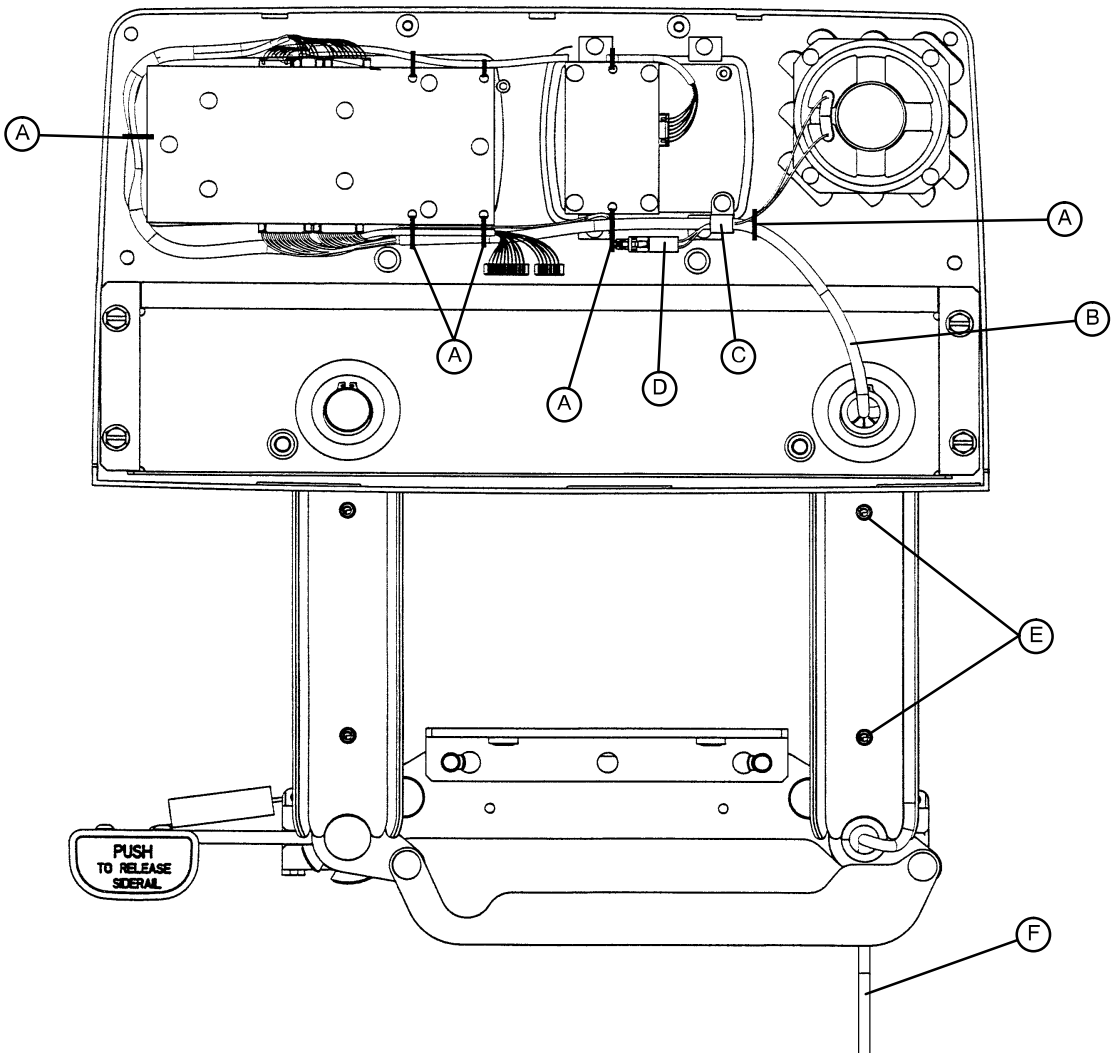
4. Pull up on the molded rail (C) to remove it from the siderail assembly.
5. Reverse the above steps to install the new molded rail.

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.

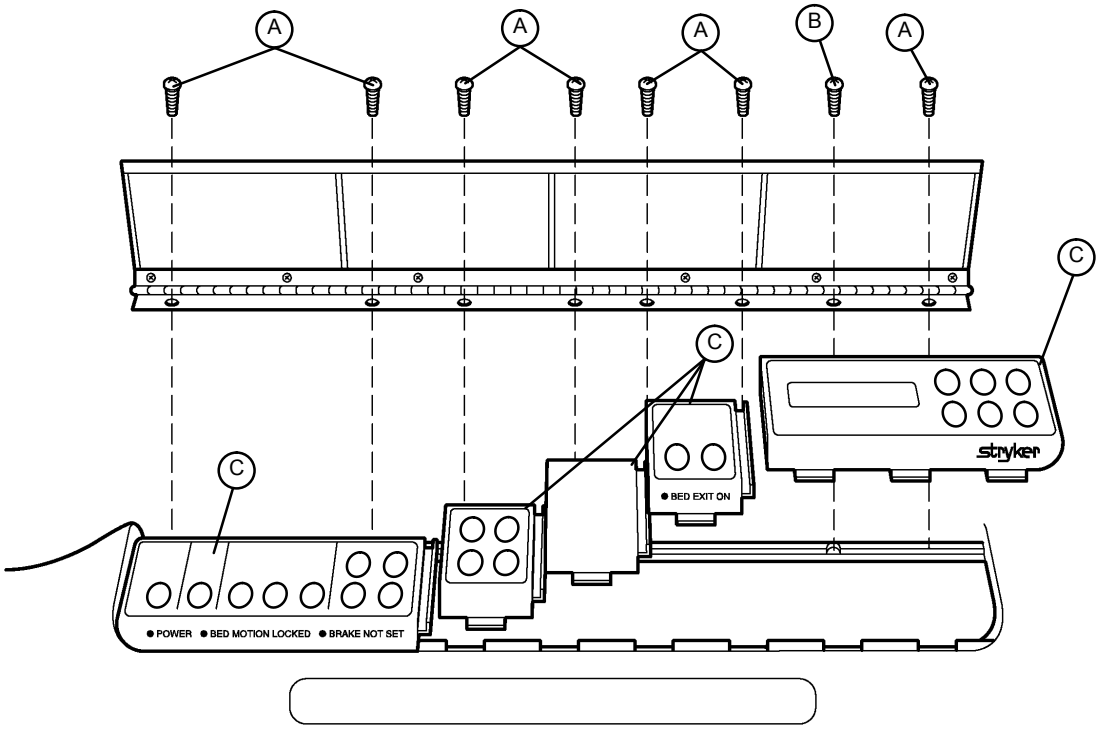
Notes

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



Required Tools:

#2 Phillips Screwdriver

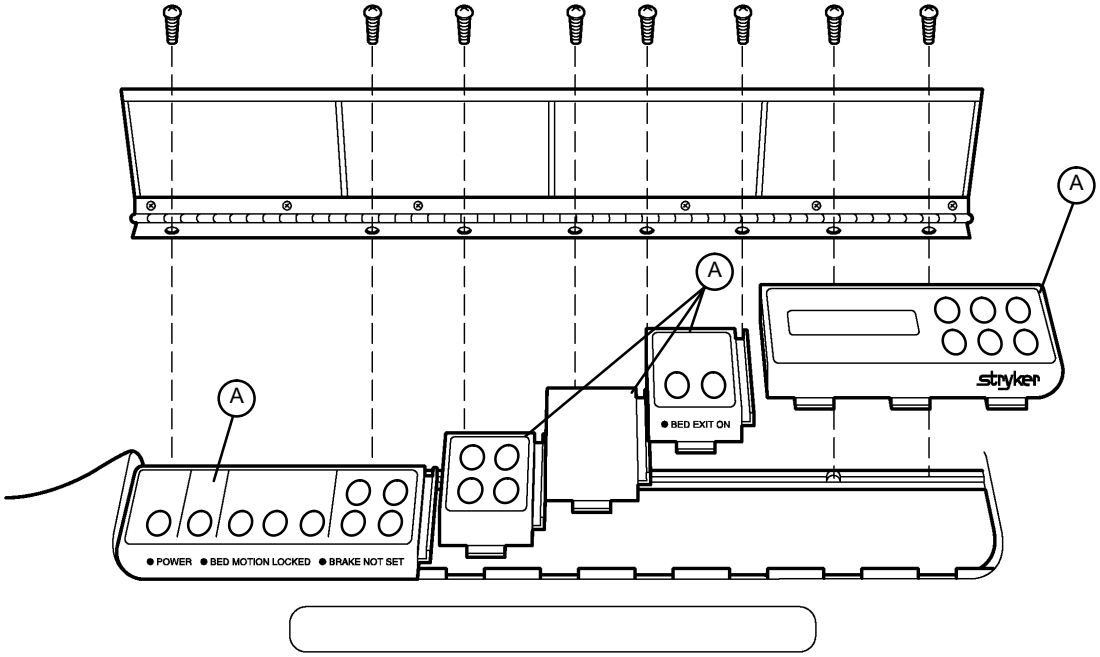
Procedure:

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.

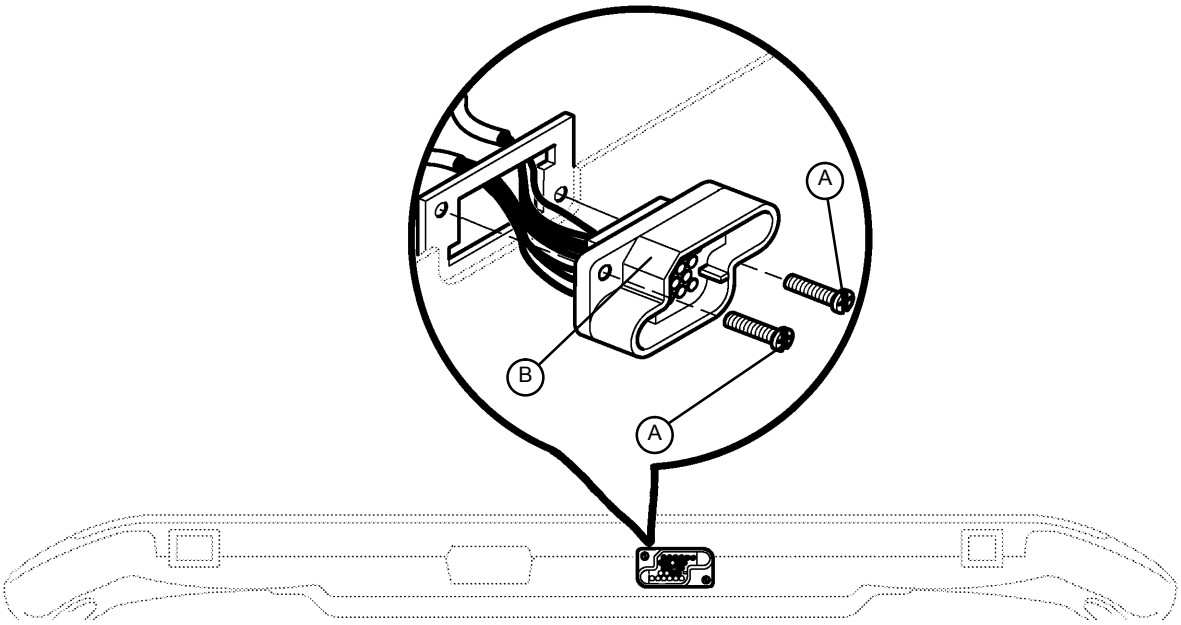
⚠ **CAUTION**

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.

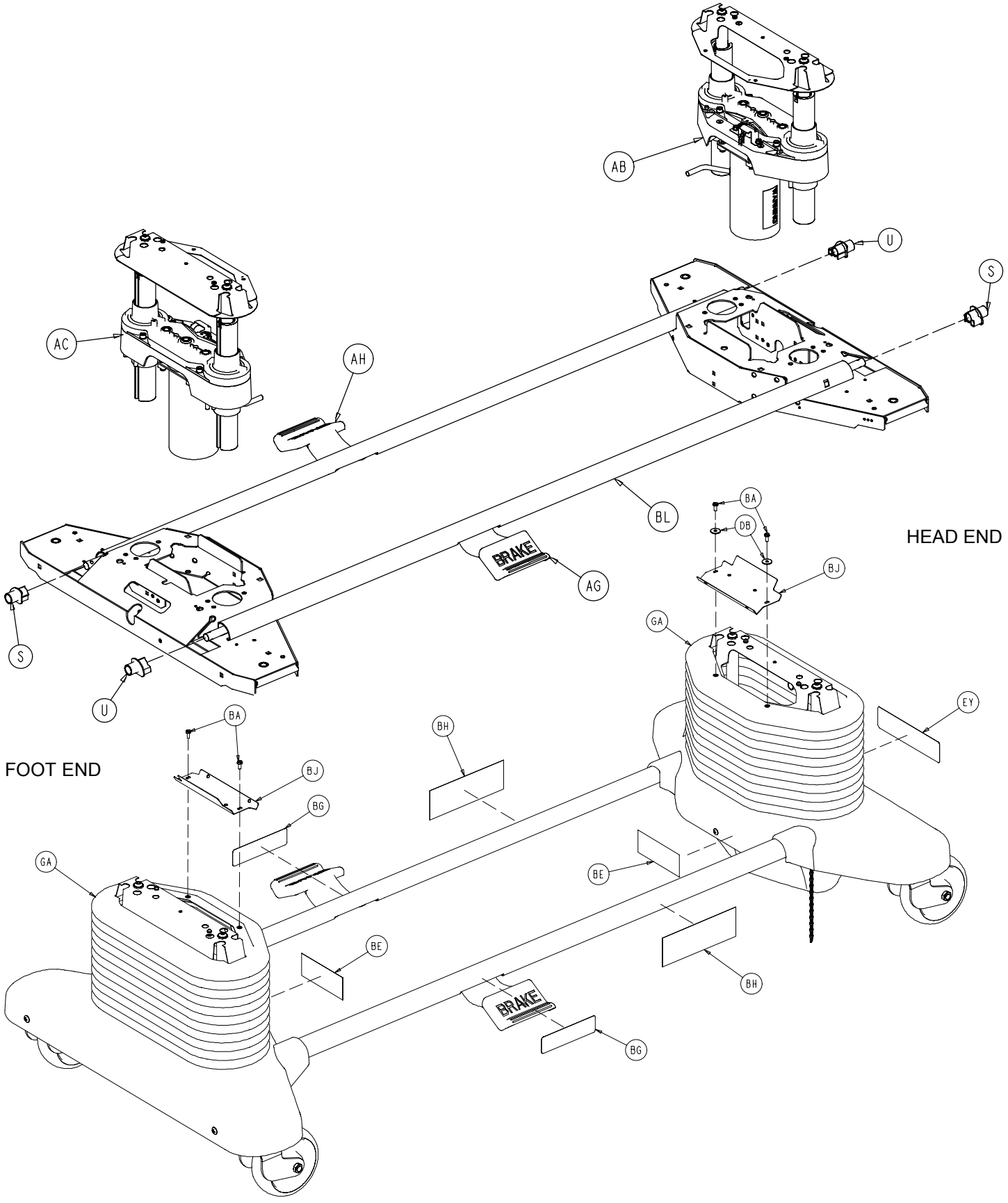
GENERAL INFORMATION

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.

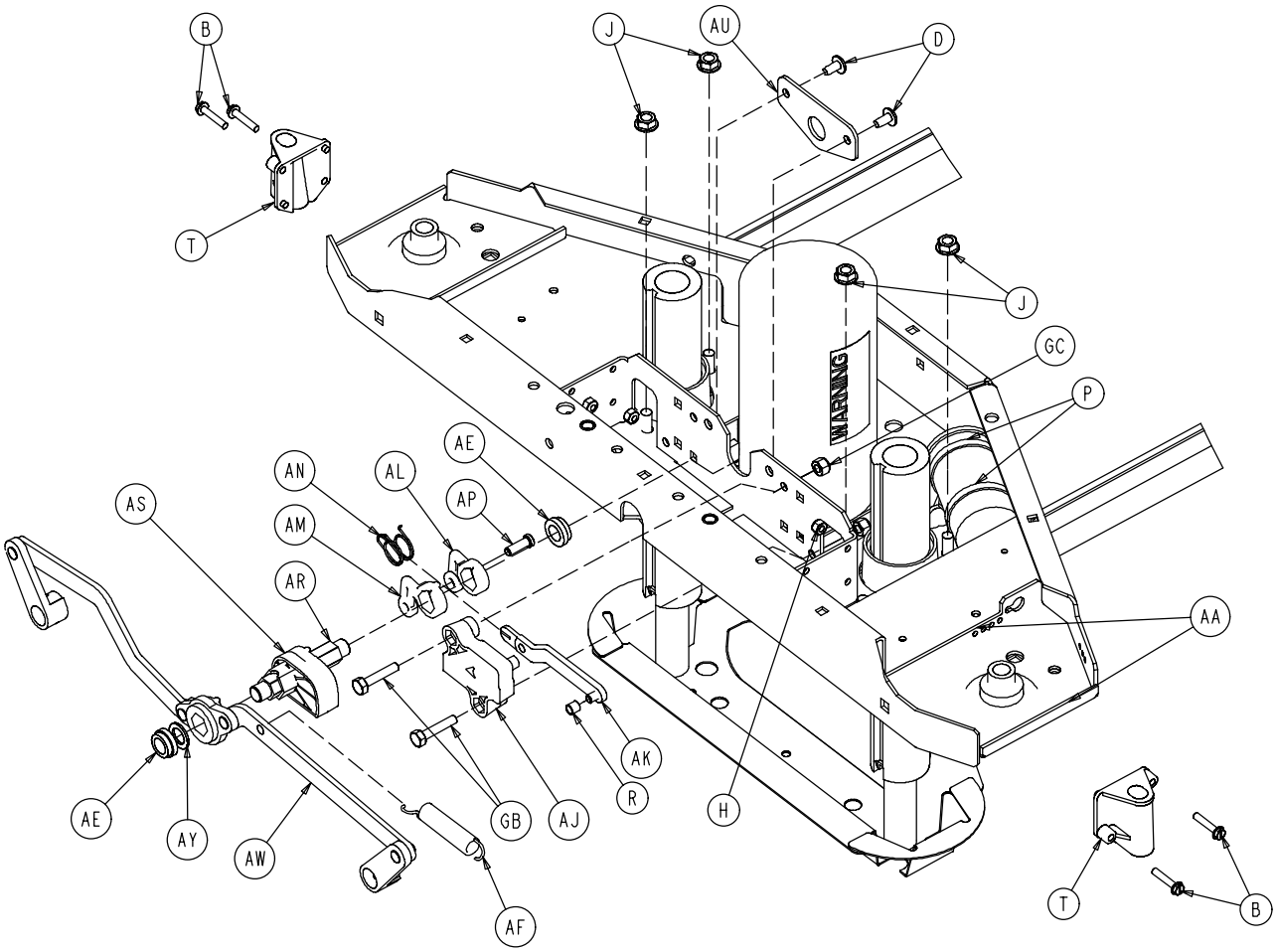
ASSEMBLY DRAWINGS AND PARTS LISTS CONTENTS

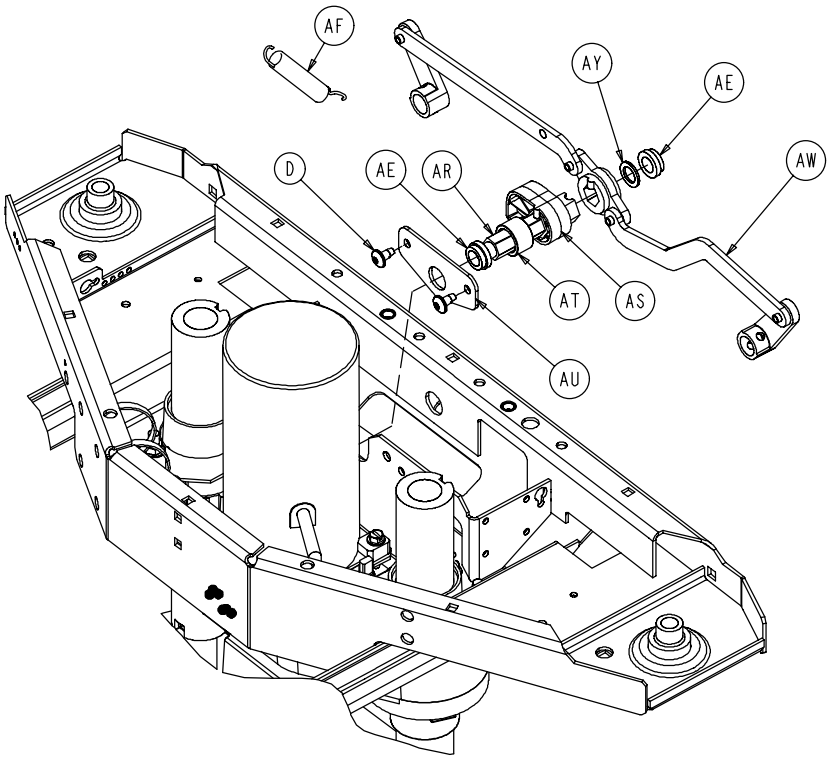
ASSEMBLY DRAWINGS AND PARTS LISTS CONTENTS (CONTINUED)

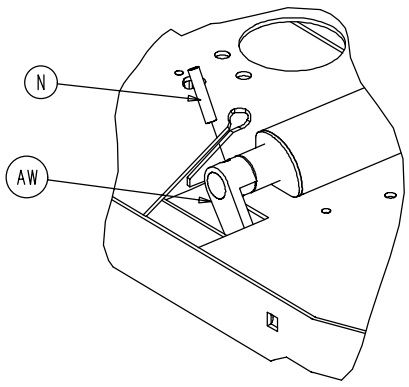
Base Assembly and Options



Base Assembly and Options

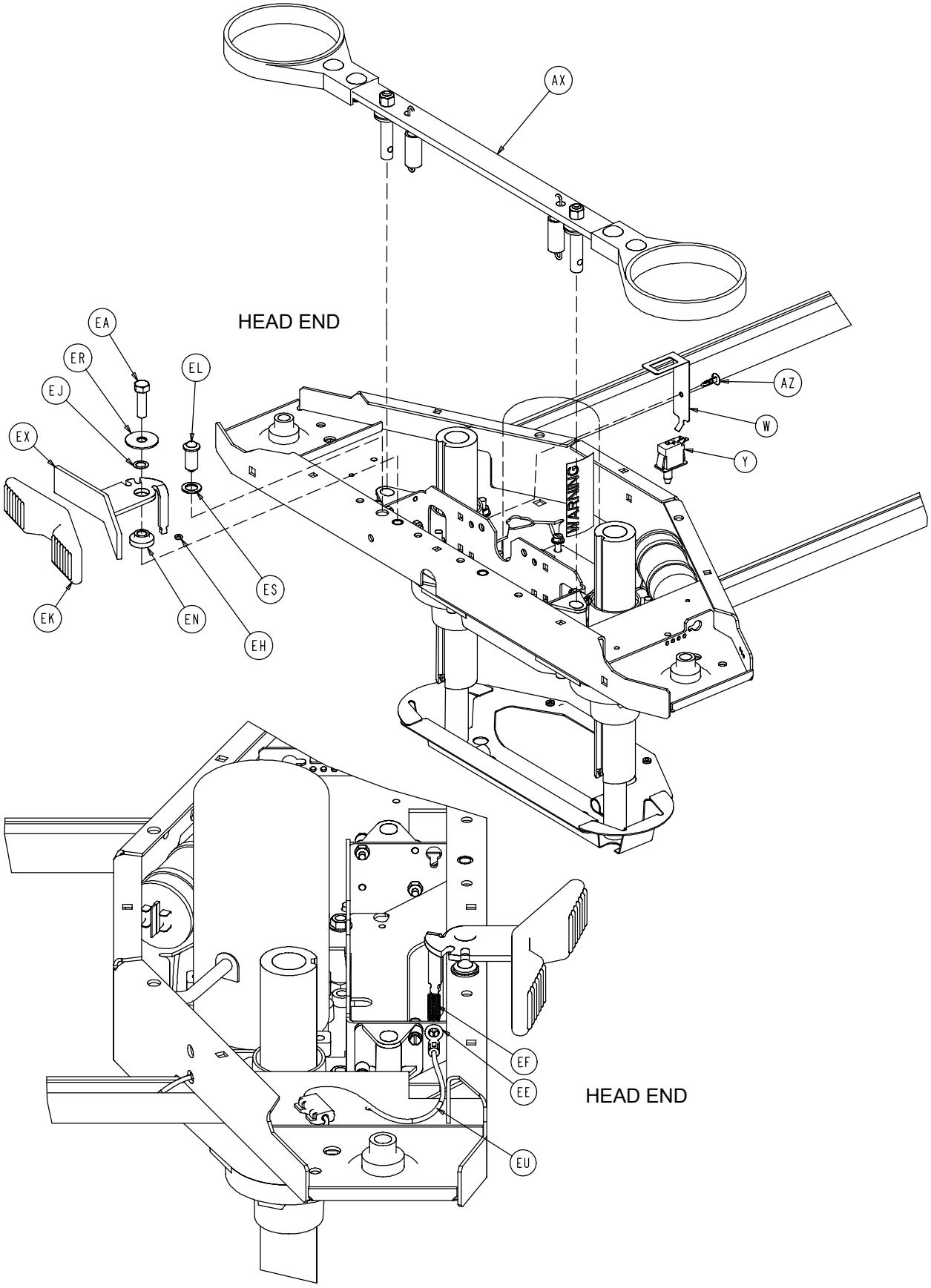




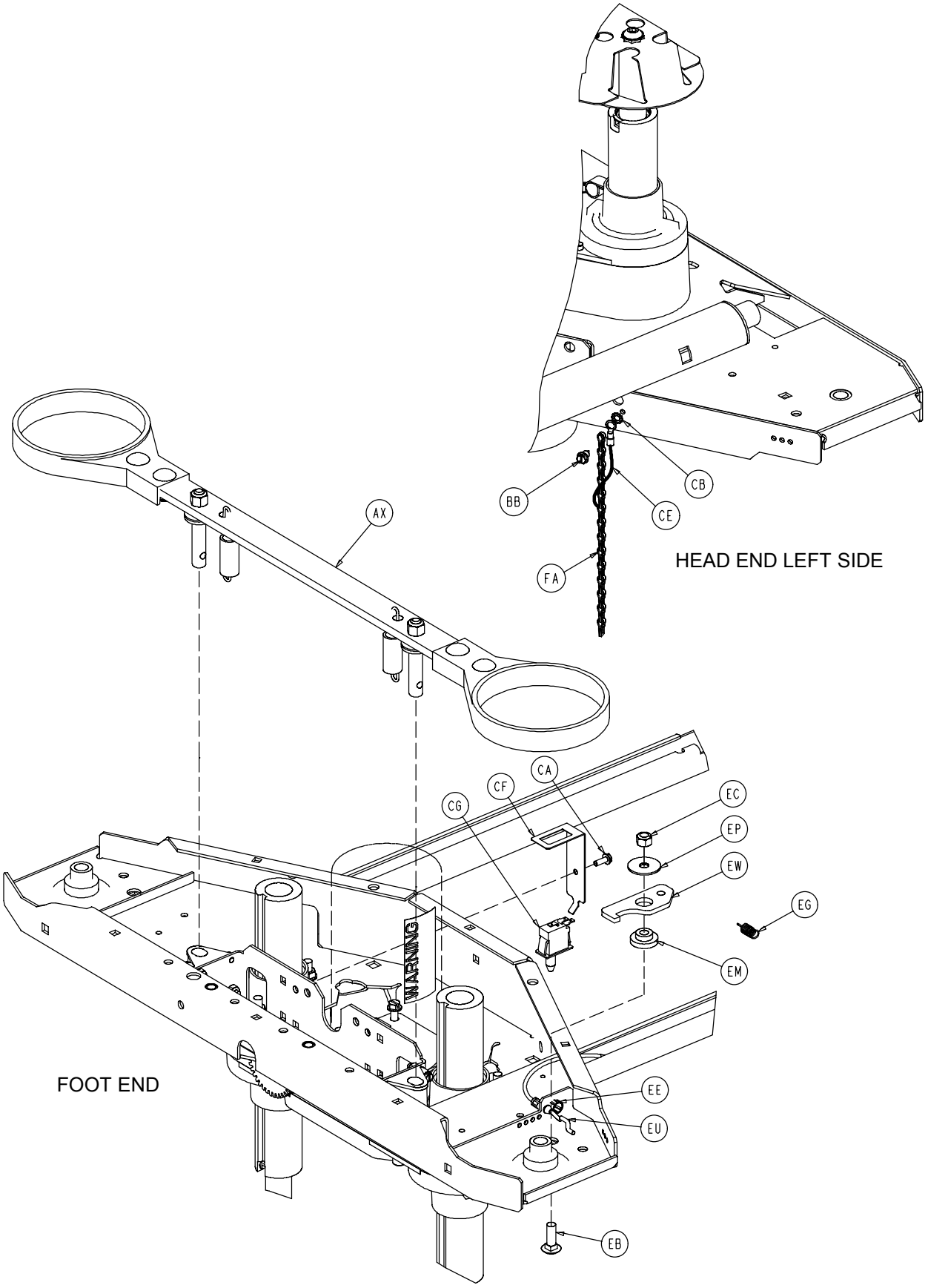


Installation of Roll Pin
into Brake Shaft Crank
Typical 4 Places

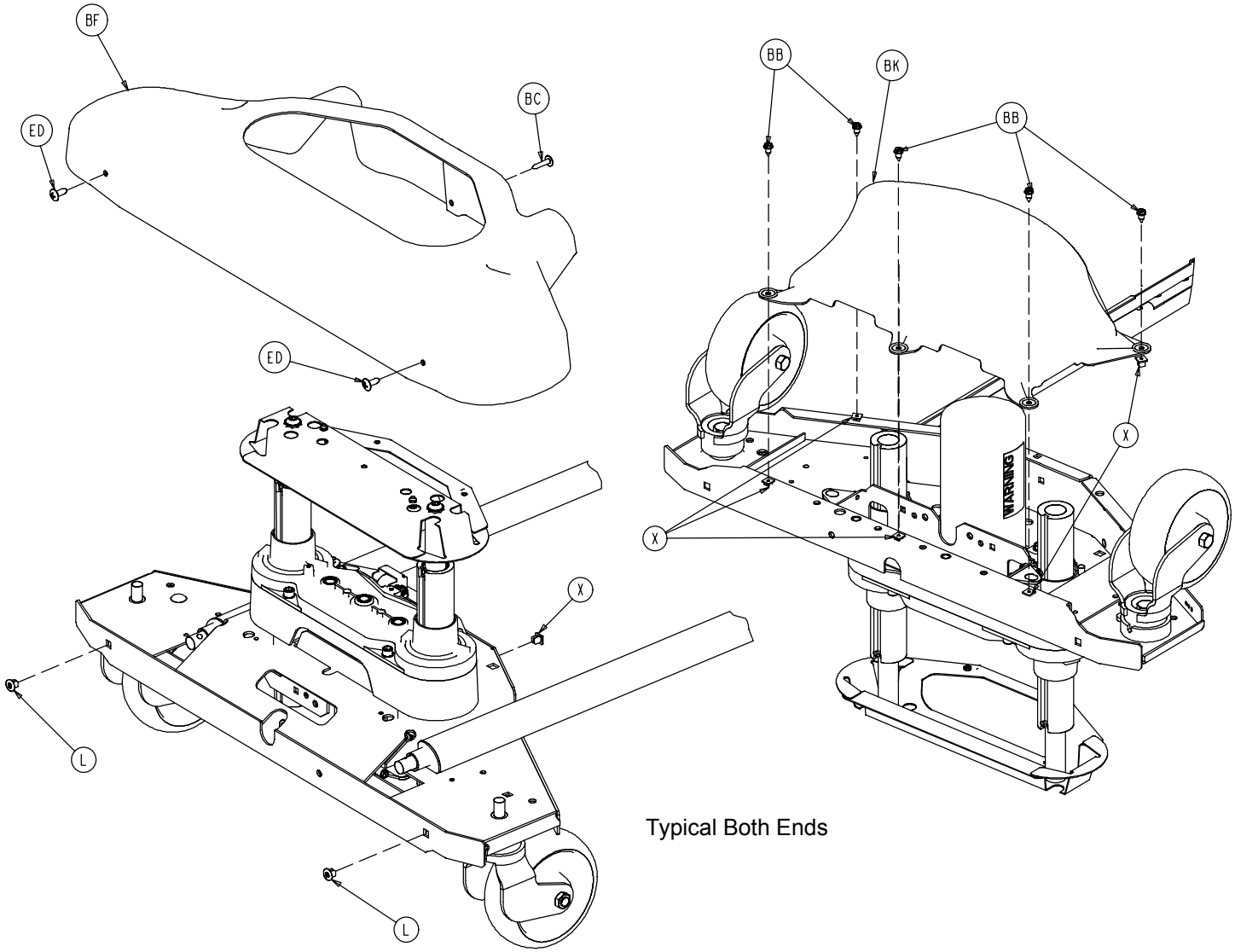
Base Assembly and Options



Base Assembly and Options

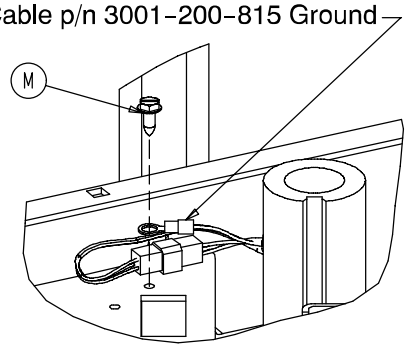


Base Assembly and Options



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.
B	3-122	Hex Washer Hd. Screw	8
D	7-52	Truss Hd. Torx	4
E	11-310	Washer	4
G	11-343	Washer	4
H	16-2	Nylock Nut	8
J	16-98	Hex Flange Nut	8
K	16-49	Nylock Nut	4
L	18-36	Plastic Clip Nut	4
M	3-224	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	10
Y	3000-300-58	Plunger Switch	1
Z	3000-300-113	8” Cable Tie	6
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	3002-201-301	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	3002-200-318	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
GA	2025-000-101	Bellows	2
GB	3-74	Hex Hd. Bolt	2
GC	16-28	Nylock Nut	2

Base Assembly and Options

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

Item	Part No.	Part Name	Qty.
C	3-204	Hex Hd. Cap Screw	4
X	3000-300-2	Plastic Clip Nut	2
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	11
BC	23-80	Truss Hd. Screw	2
BE	988-2-708	Caution Label	2
BF	3002-300-9	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.
C	3-204	Hex Hd. Cap Screw	4
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
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

6” Caster Option - 3001-999-138 (Ref.)

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

8” Caster Option - 3001-999-139 (Ref.)

Item	Part No.	Part Name	Qty.
FA	3001-200-53	8” 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

6” Caster Option, Zoom - 2040-999-138 (Ref.)

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

Base Assembly and Options

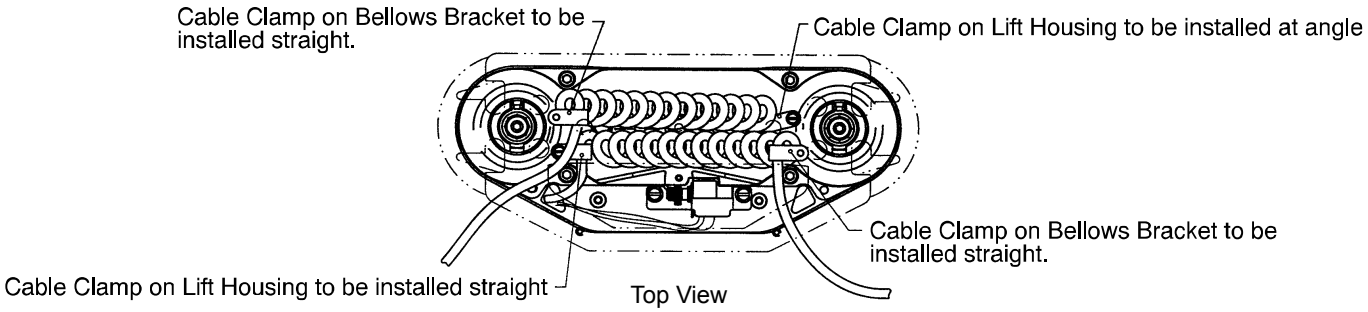
Base Assembly, Steer Option - Part Number 3001-999-137 (Reference Only)

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

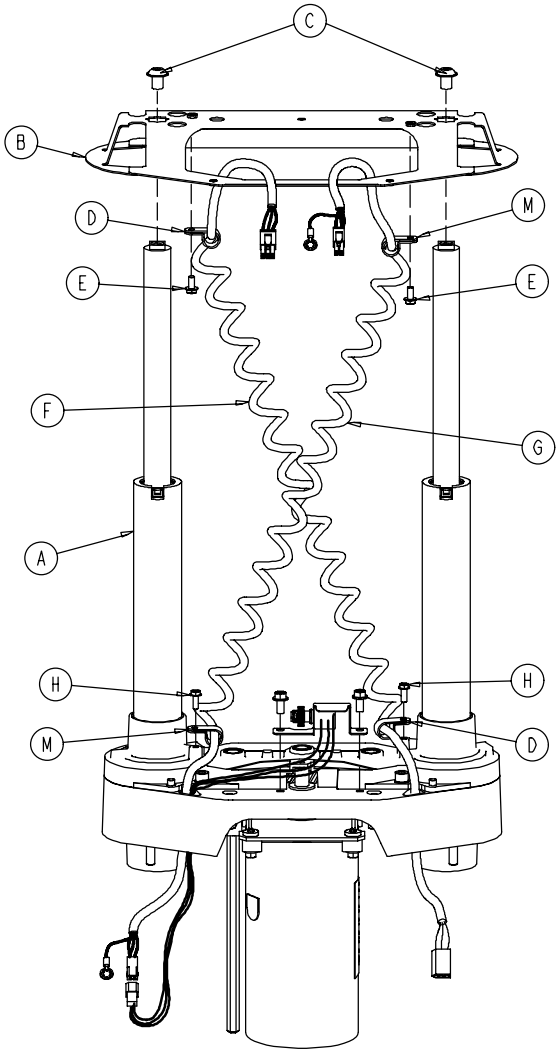
Base Assembly, Epic+ Steer Option - Part Number 2030-999-137 (Reference Only)

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

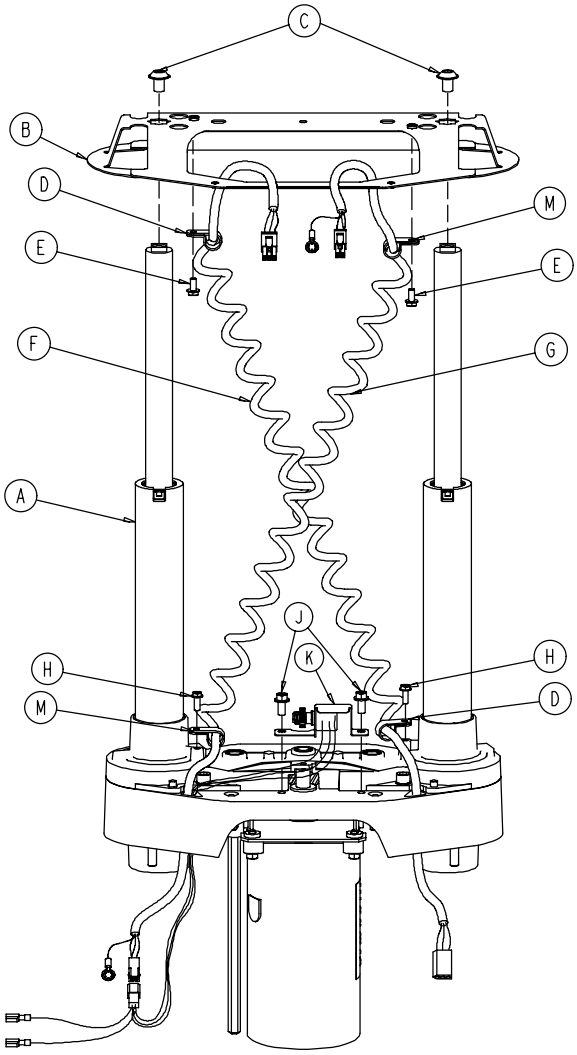
Lift Assembly, Head and Foot End



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

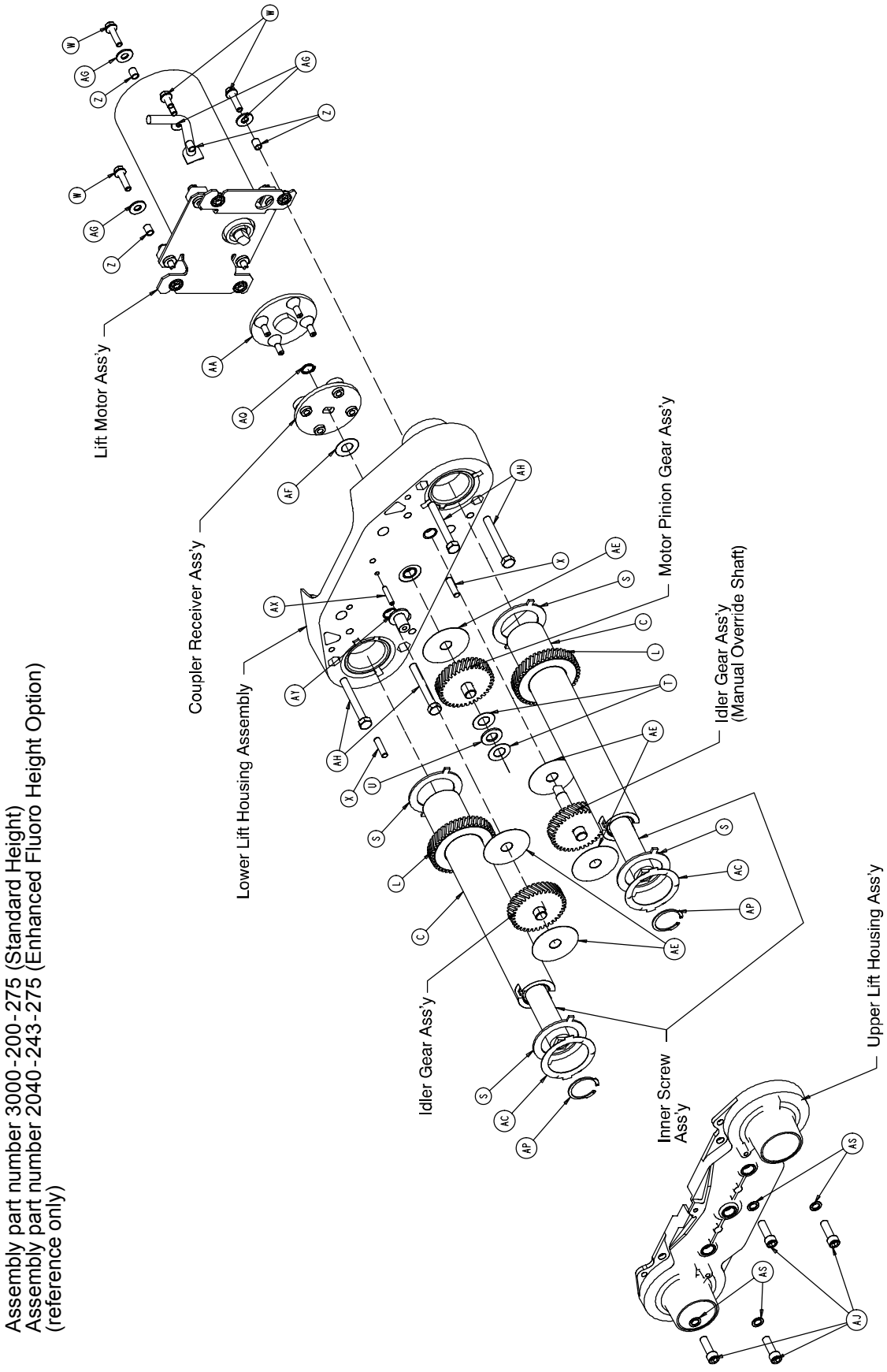


3001-200-201 (Head - Standard Height)
2040-243-200 (Head - Enhanced Height)



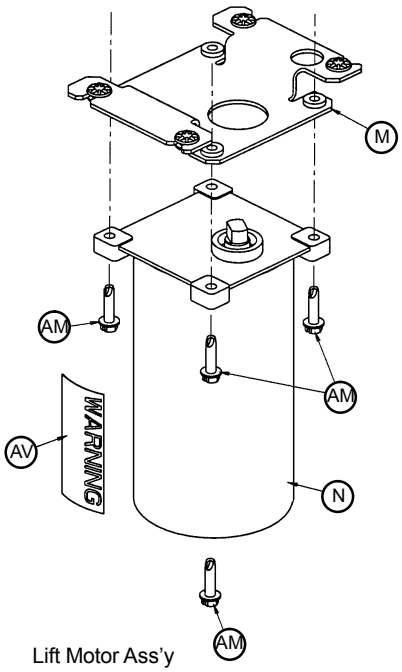
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(page 10-12)	Common Lift Assembly	1	G	3001-200-815	Sensor Coil Cord	1
B	3000-200-52	Bellows Bracket	1	H	3-128	Hex Washer Hd. Screw	2
C	4-245	Flanged But. Hd. Screw	2	J	3-121	Hex Washer Hd. Screw	2
D	34-22	Cord Clamp	2	K	3001-200-240	Head End Pot. Ass'y	1
E	3-106	Hex Washer Hd. Screw	2		3001-200-230	Foot End Pot. Ass'y	1
F	3001-200-864	Power Coil Cord	1	M	34-381	Cord Clamp	2

Lift Assembly (Common)

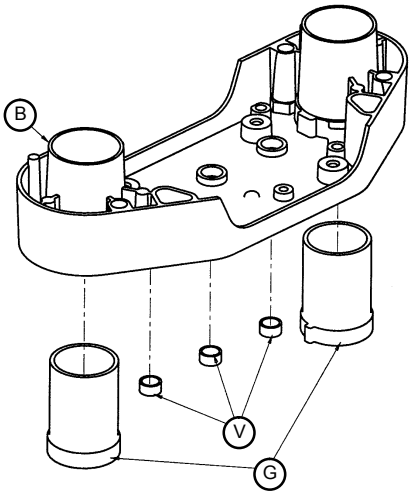


Assembly part number 3000-200-275 (Standard Height)
Assembly part number 2040-243-275 (Enhanced Fluoro Height Option)
(reference only)

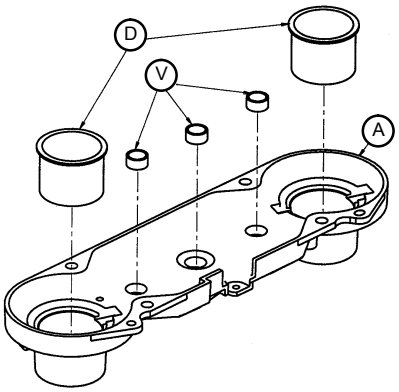
Lift Assembly (Common)



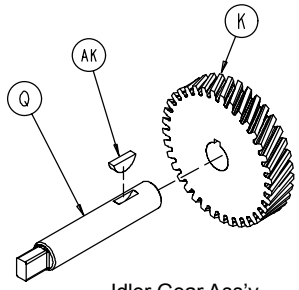
Lift Motor Ass'y



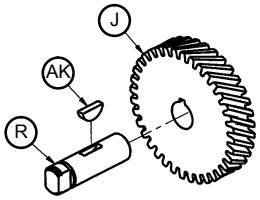
Lower Lift Housing Ass'y



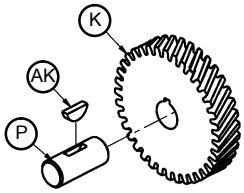
Upper Lift Housing Ass'y



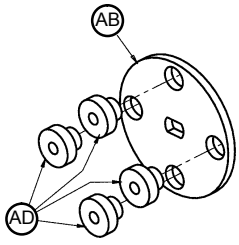
Idler Gear Ass'y
(Manual Override Shaft)



Motor Pinion Gear Ass'y



Idler Gear Ass'y



Coupler Receiver Ass'y

Inner Screw Ass'y

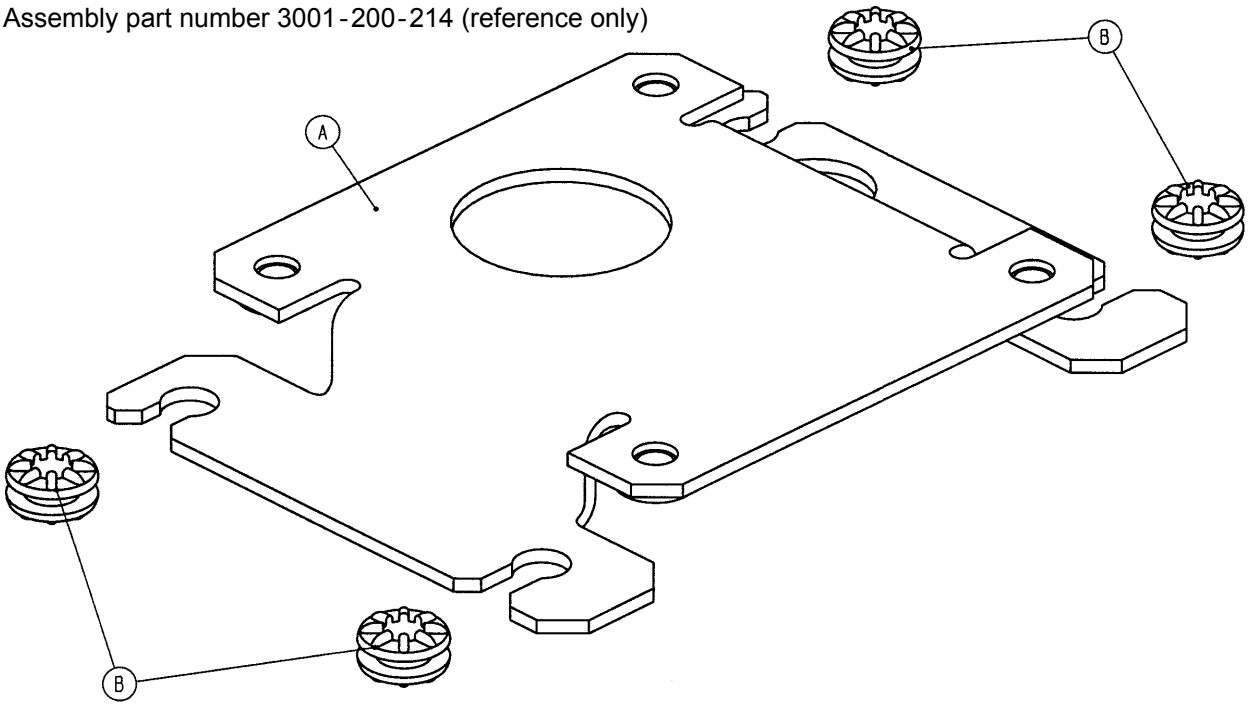
P/N 3000-200-249 (Standard Height) Shown
P/N 2040-200-249 (Enhanced Fluoro Height) Not Shown

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	3002-200-235	Idler Man. Over. Shaft	1
R	3000-200-220	Input Pinion Shaft	1
S	3000-200-223	Output Gear Thr. Washer	4
T	3000-200-224	Input Gear Thr. Washer	2
U	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
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
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

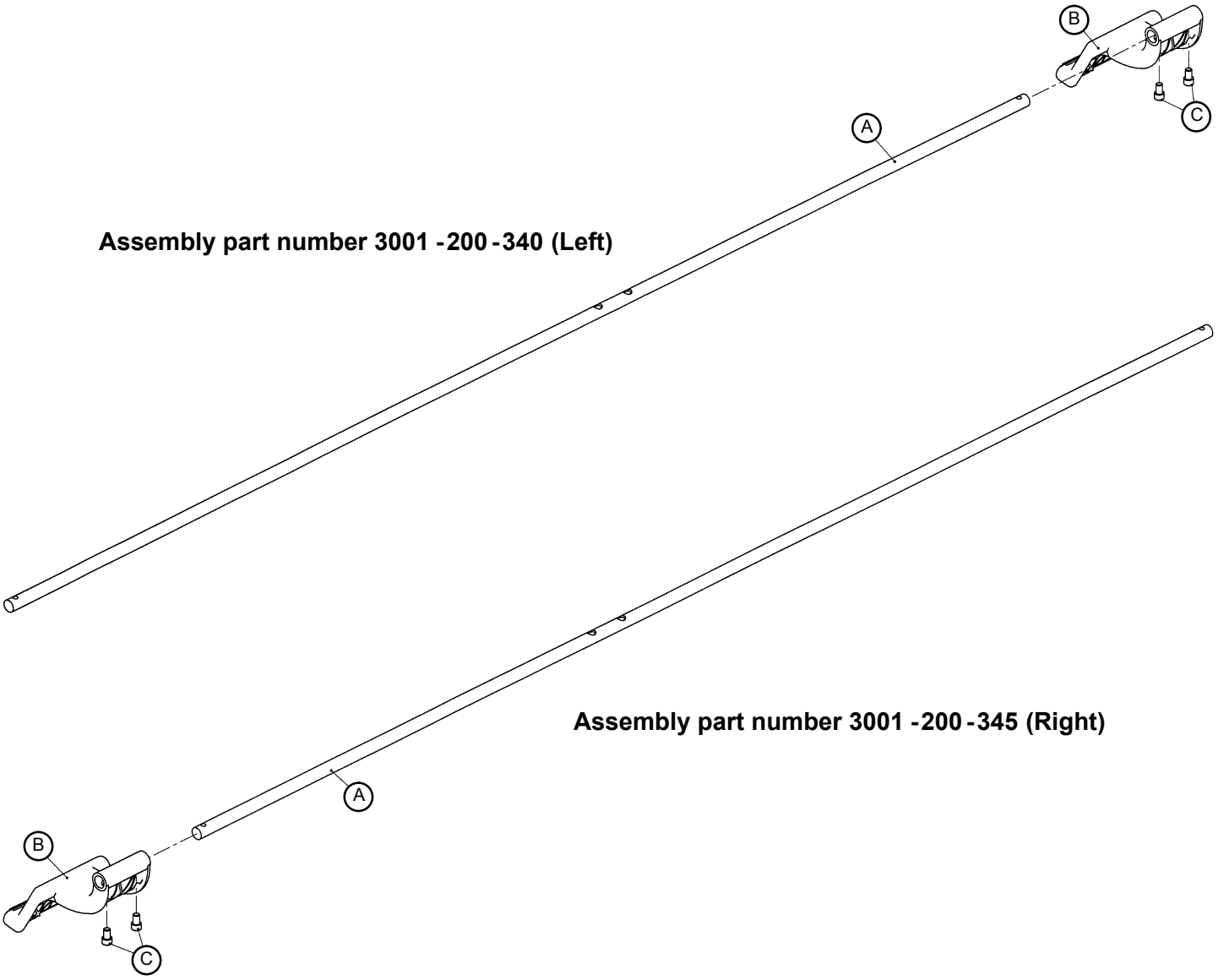
3000-200-723 Isolation Plate Assembly

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



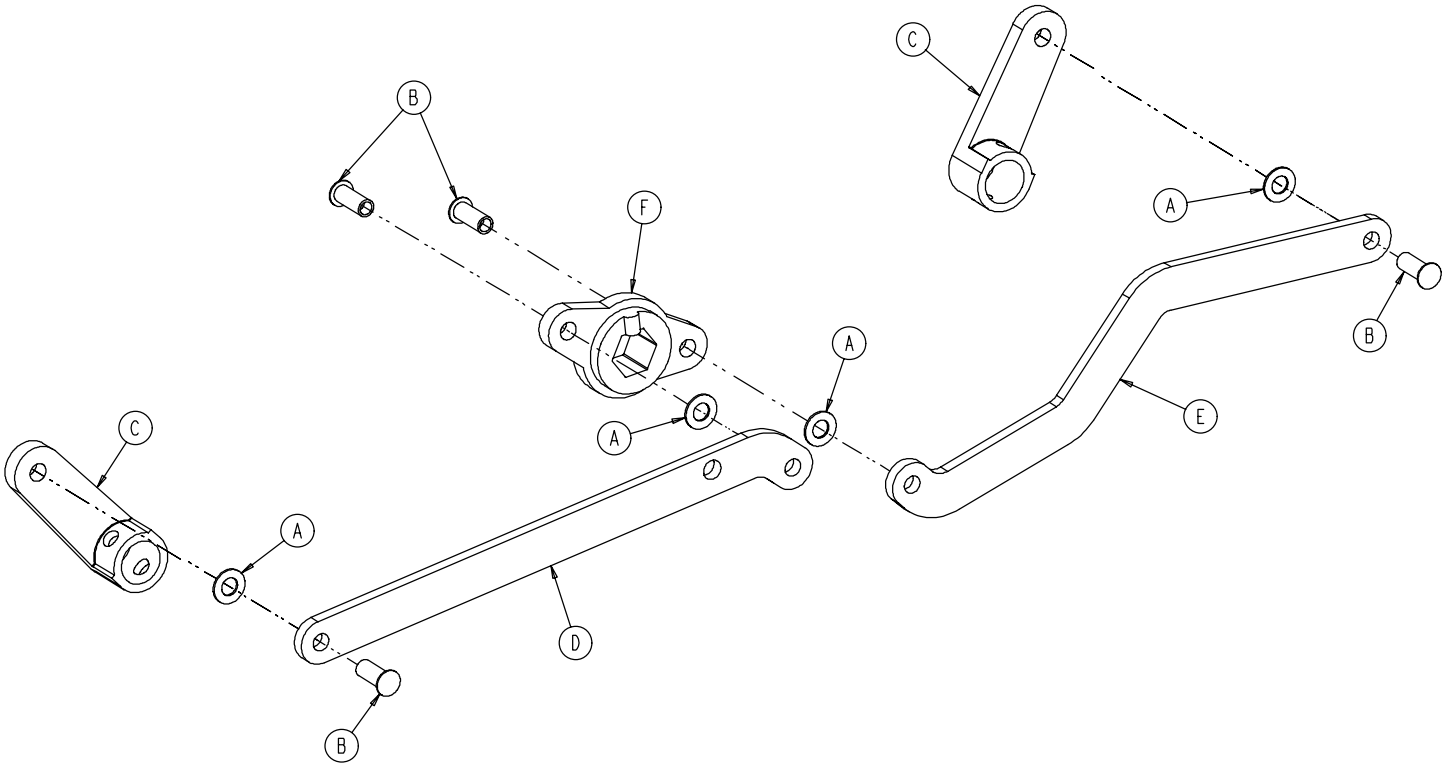
Item	Part No.	Part Name	Qty.
A	3001-200-213	Isolation Plate	1
B	3000-300-442	Grommet	4

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

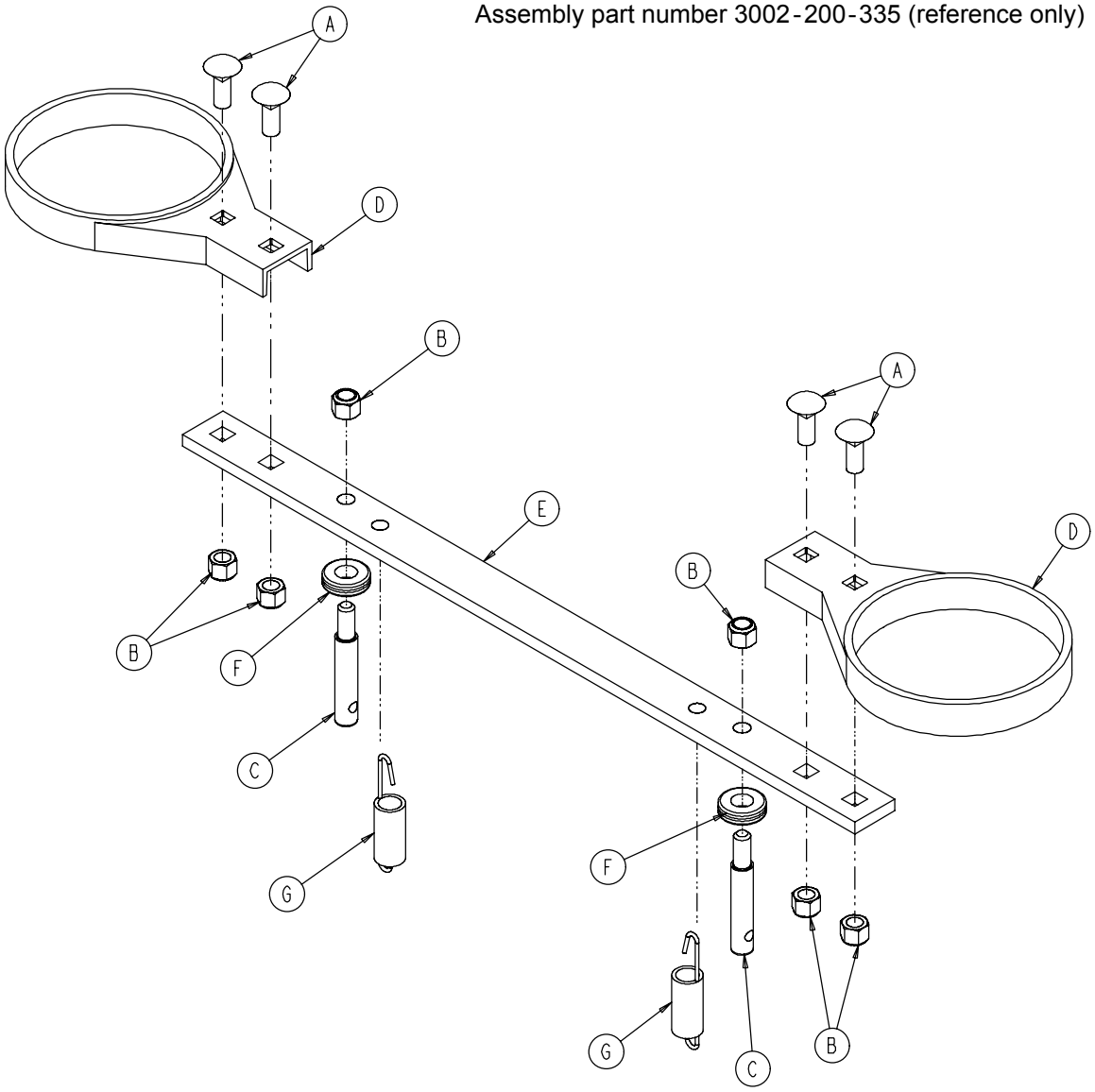
3002-200-330 Brake Crank Assembly



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

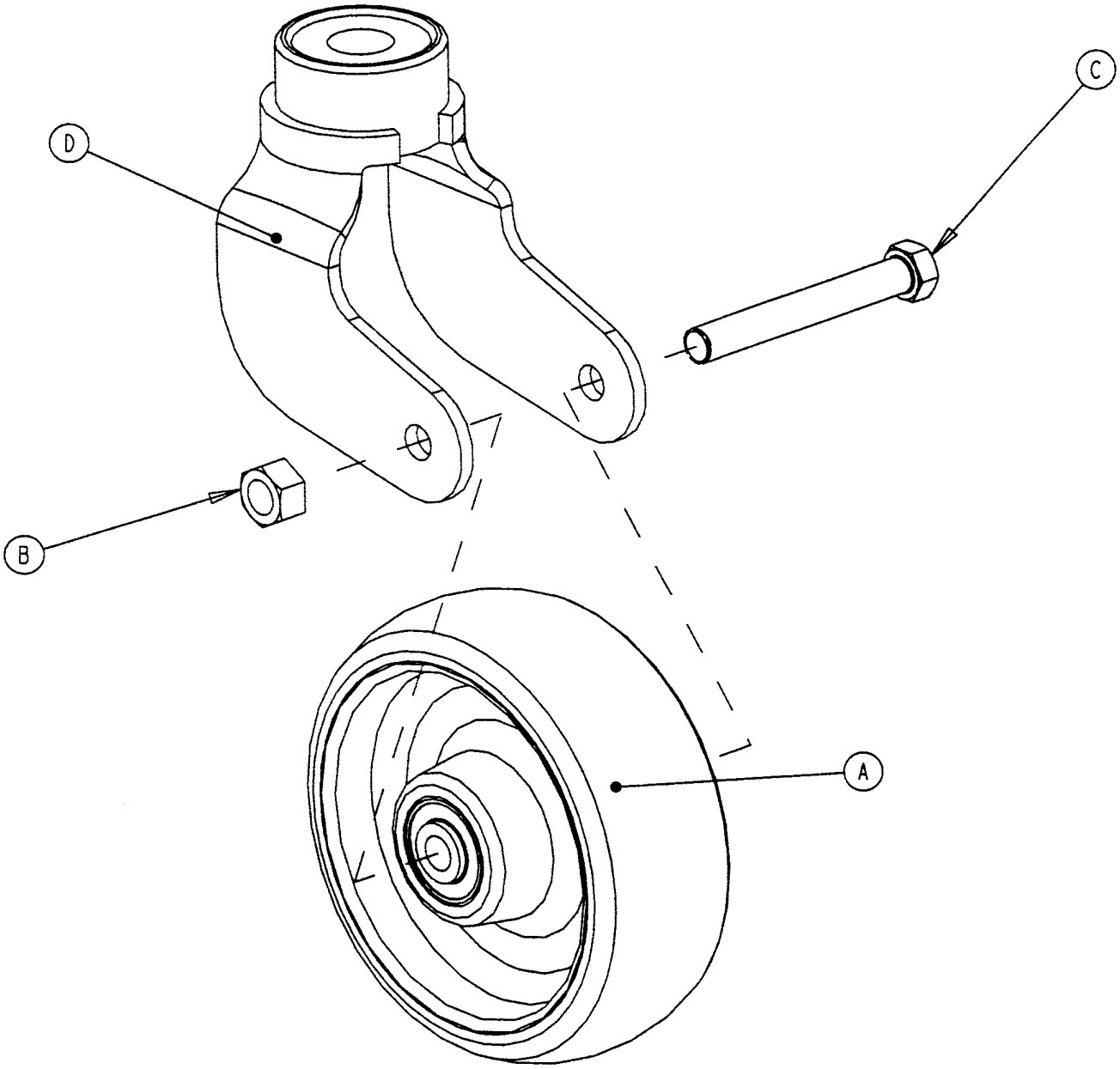
Brake Bar Assembly

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



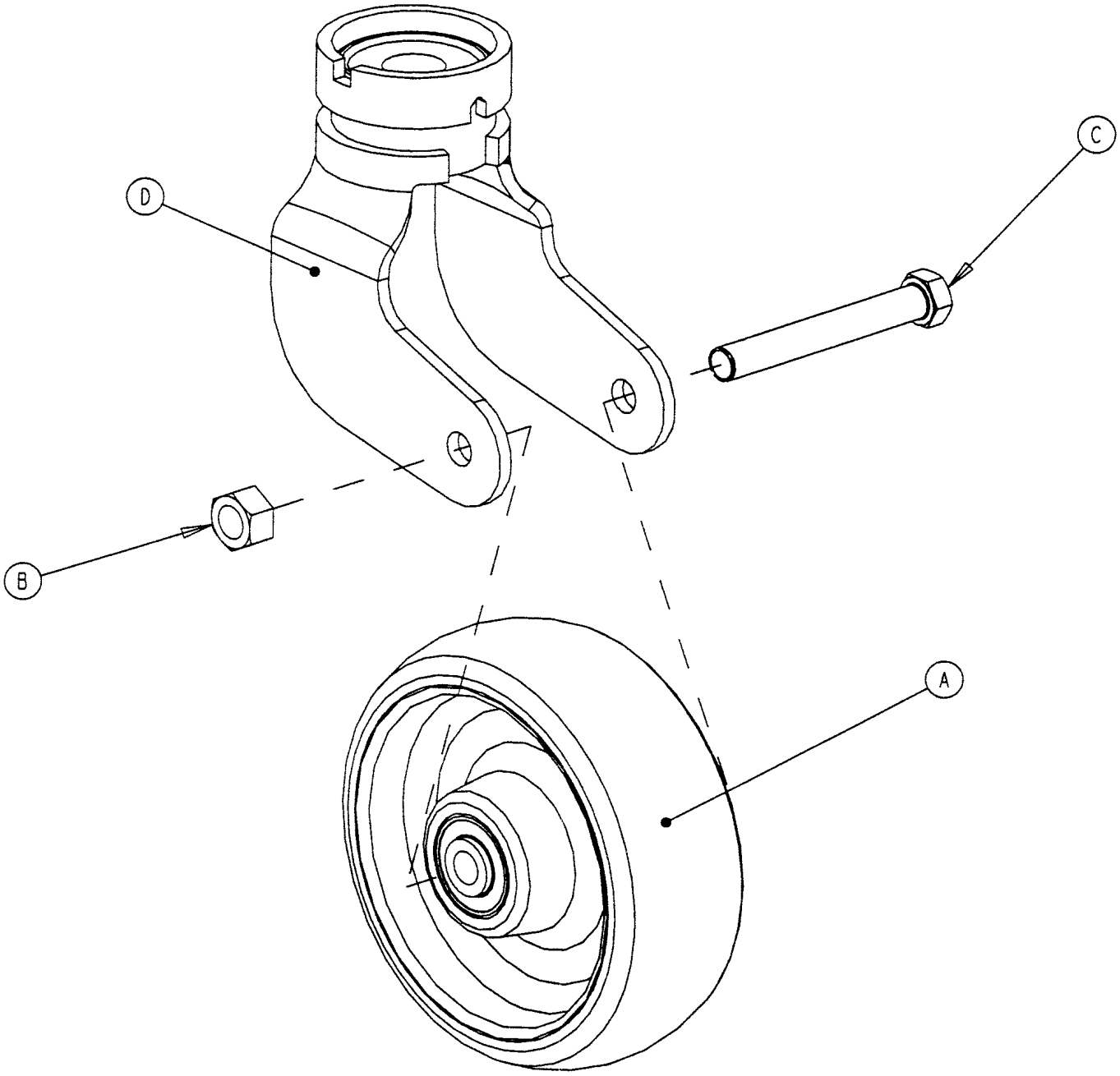
Item	Part No.	Part Name	Qty.
A	5-18	Carriage Bolt	4
B	16-35	Nylock Hex Nut	6
C	3000-200-318	Guide Pin	2
D	3000-200-321	Brake Ring	2
E	3000-200-323	Brake Bar	1
F	3000-200-324	Brake Bar Bumper	2
G	3002-200-310	Brake Bar Return Spring	2

3001-200-60 6” Caster Assembly



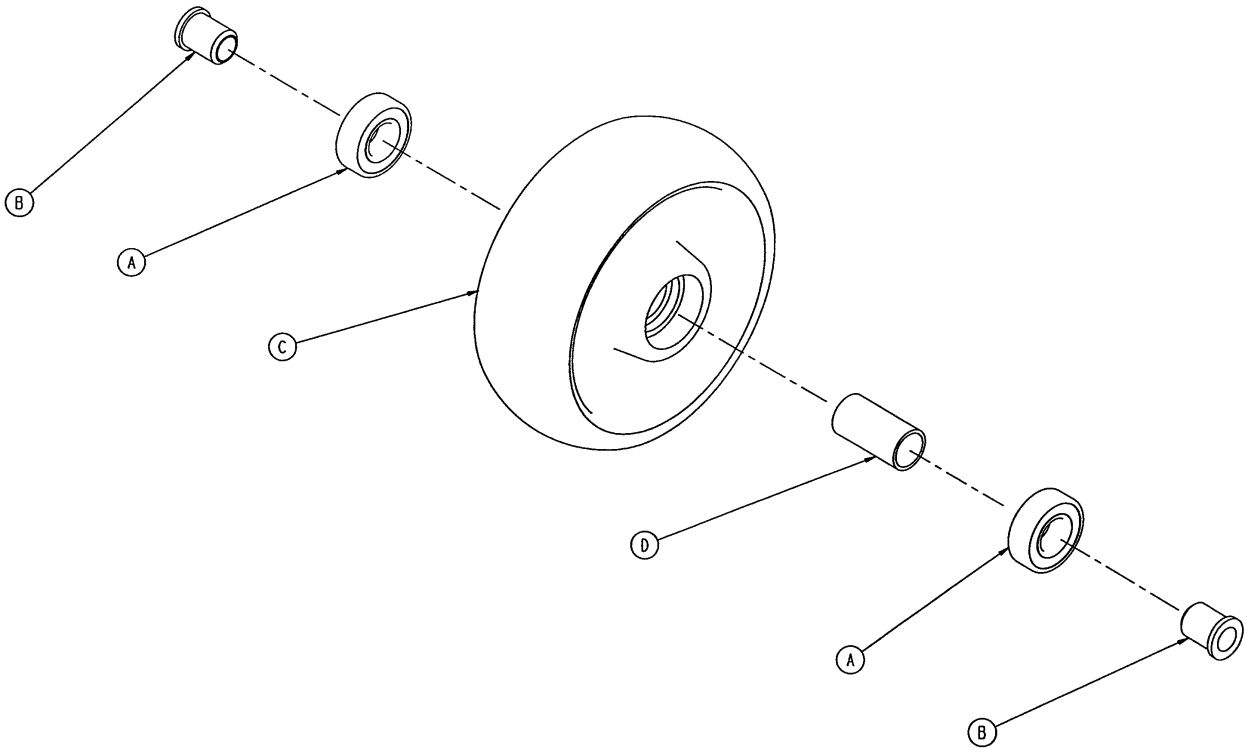
Item	Part No.	Part Name	Qty.
A	(page 10-21)	Wheel Assembly	1
B	16-60	Lock Nut	1
C	3-342	Hex Hd. Cap Screw	1
D	3001-200-61	Caster Horn w/Bearing	1

3001-200-50 6” Steer Caster Assembly



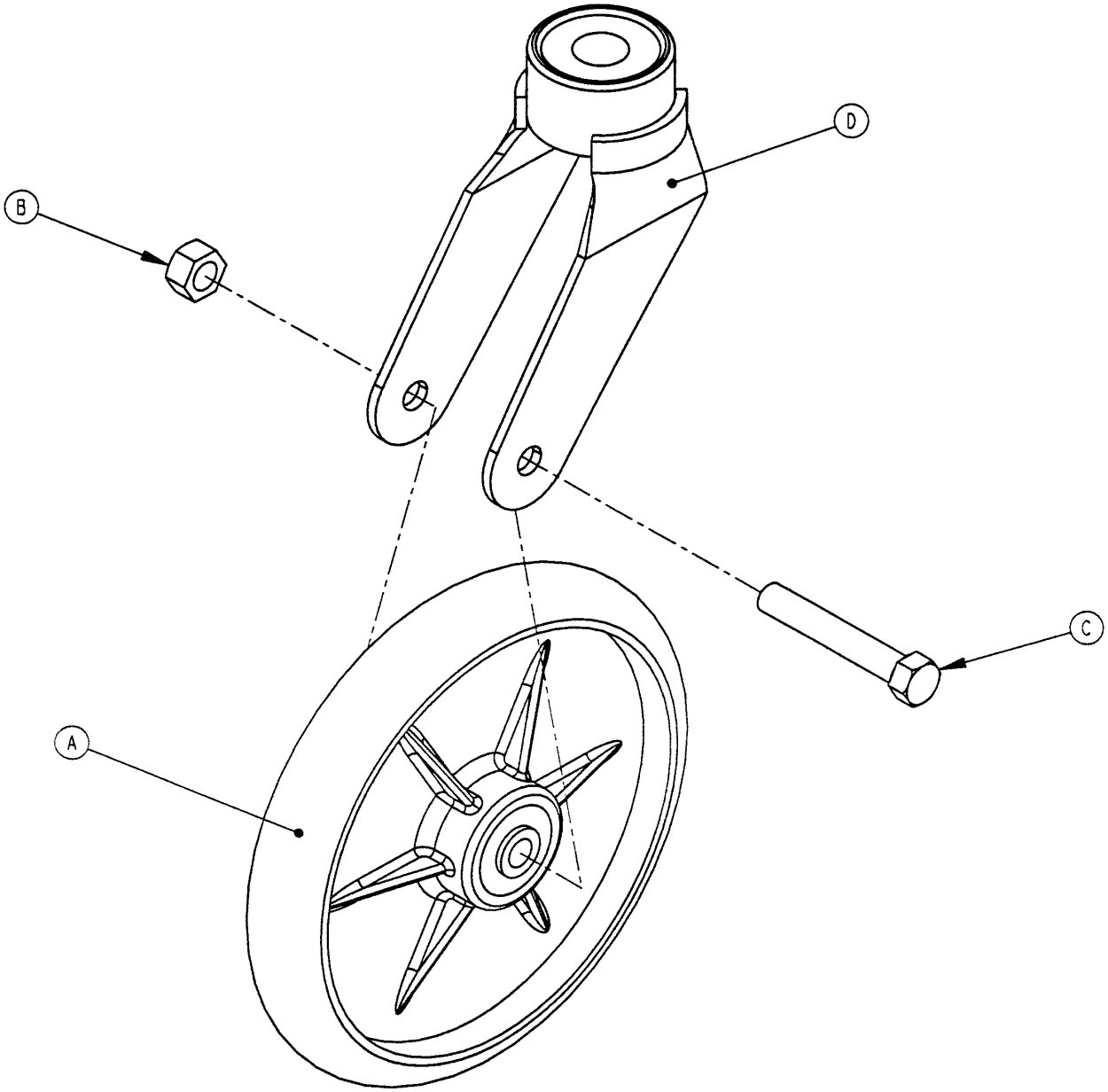
Item	Part No.	Part Name	Qty.
A	(page 10-21)	Wheel Assembly	1
B	16-60	Lock Nut	1
C	3-342	Hex Hd. Cap Screw	1
D	3001-200-51	Steer Caster Horn w/Bearing	1

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

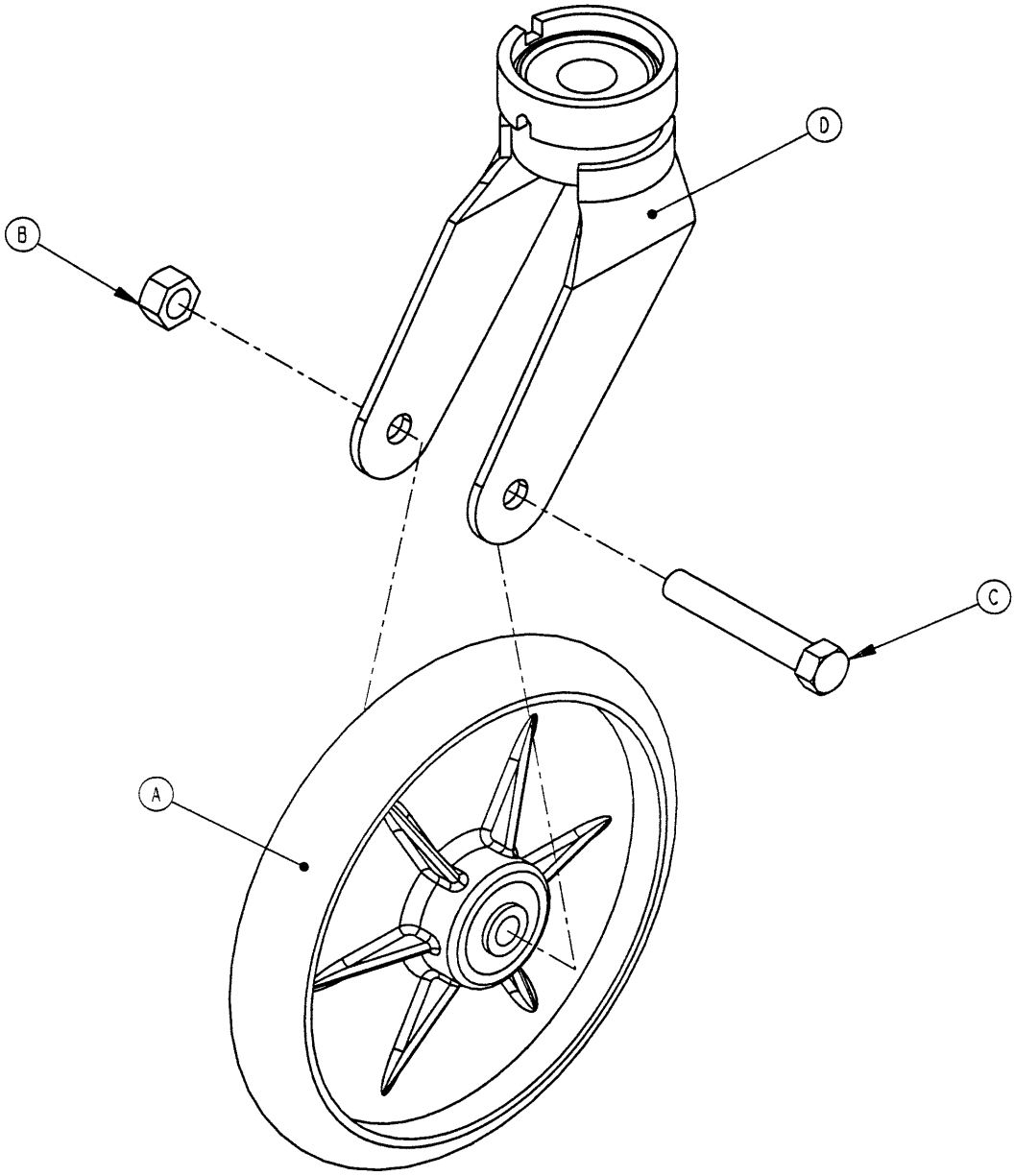
3001-200-90 Optional 8” Caster Assembly



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.

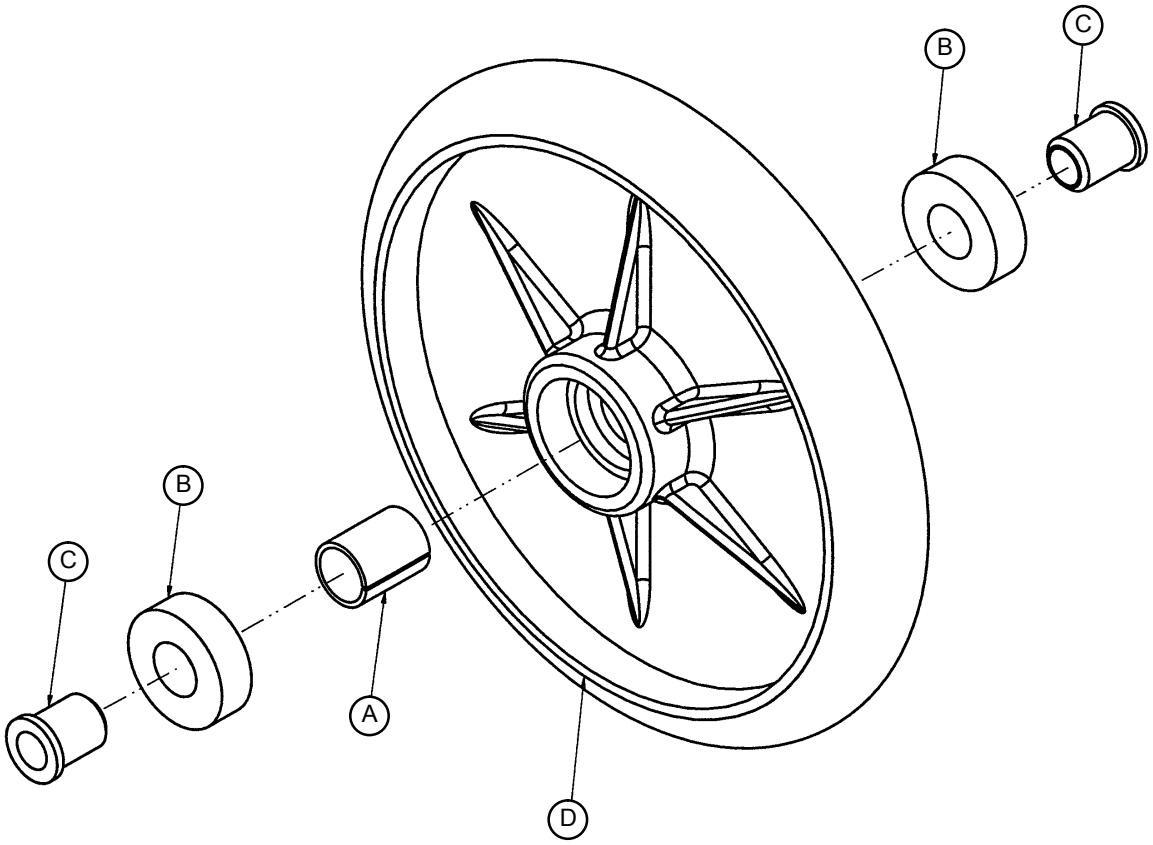
3001-200-80 Optional 8” Steer Caster Assembly



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.

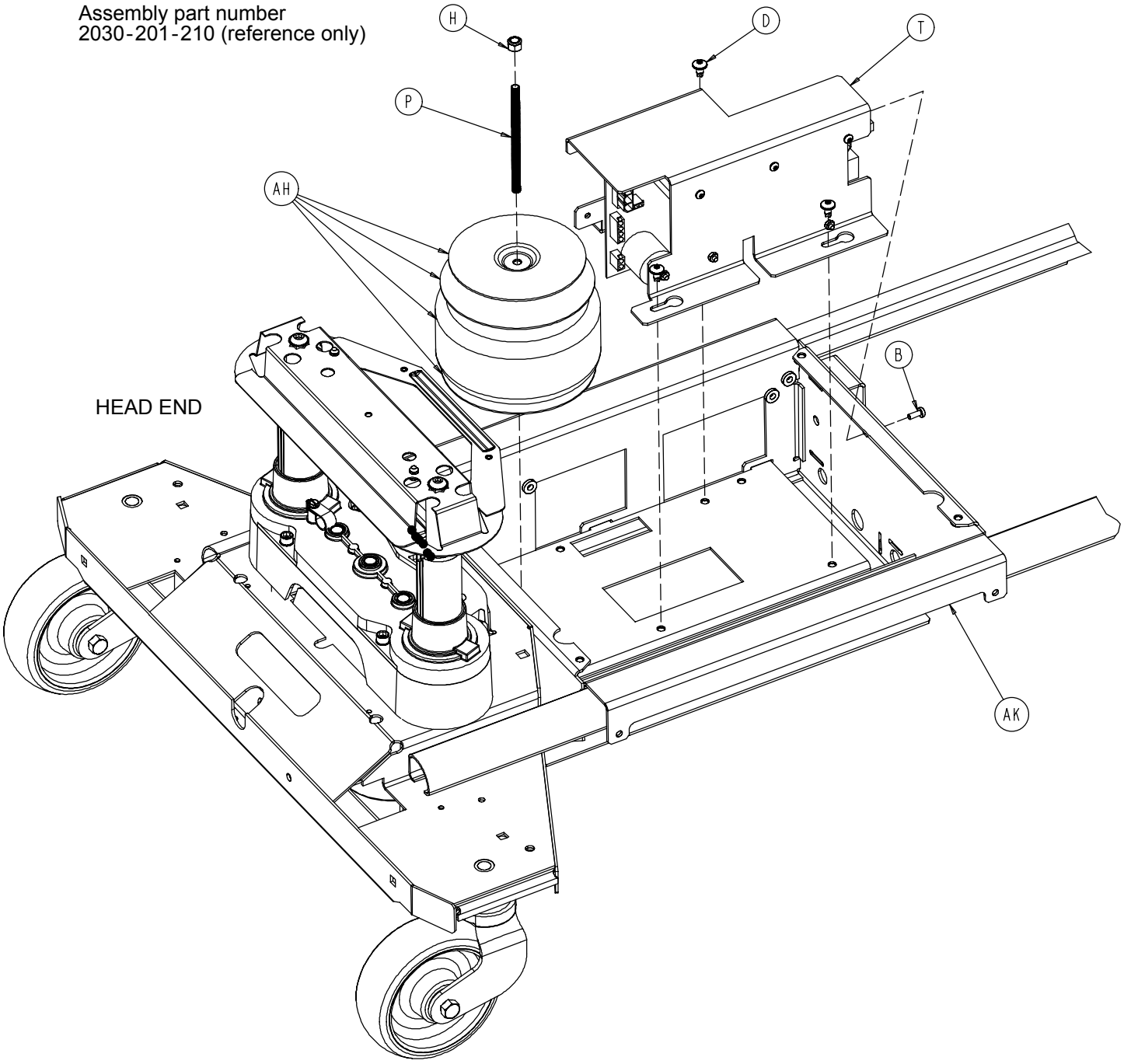
2025-1-49 Optional 8” Wheel Assembly



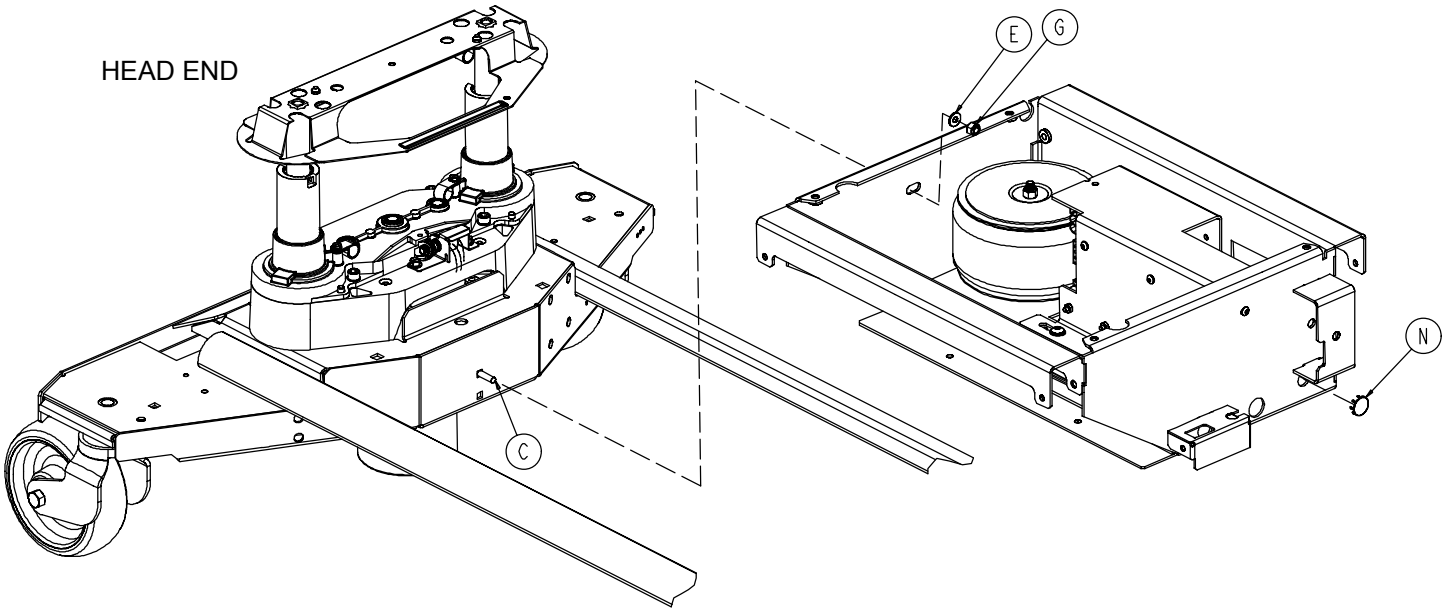
Item	Part No.	Part Name	Qty.
A	52-503	Bearing Spacer	1
B	81-226	Bearing	2
C	715-1-255	Wheel Bearing	2
D	2025-1-46	Wheel	1

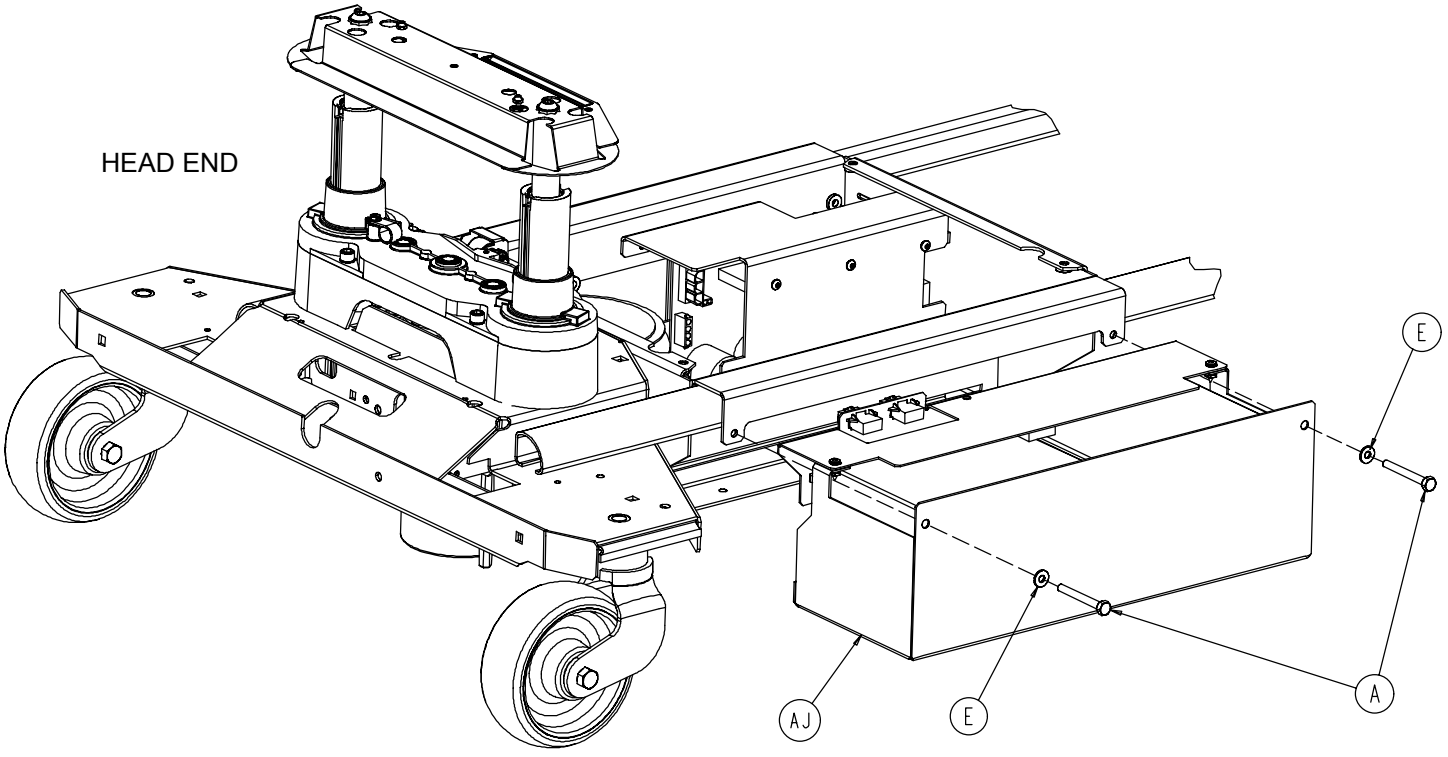
Optional Epic+ Base Assembly

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

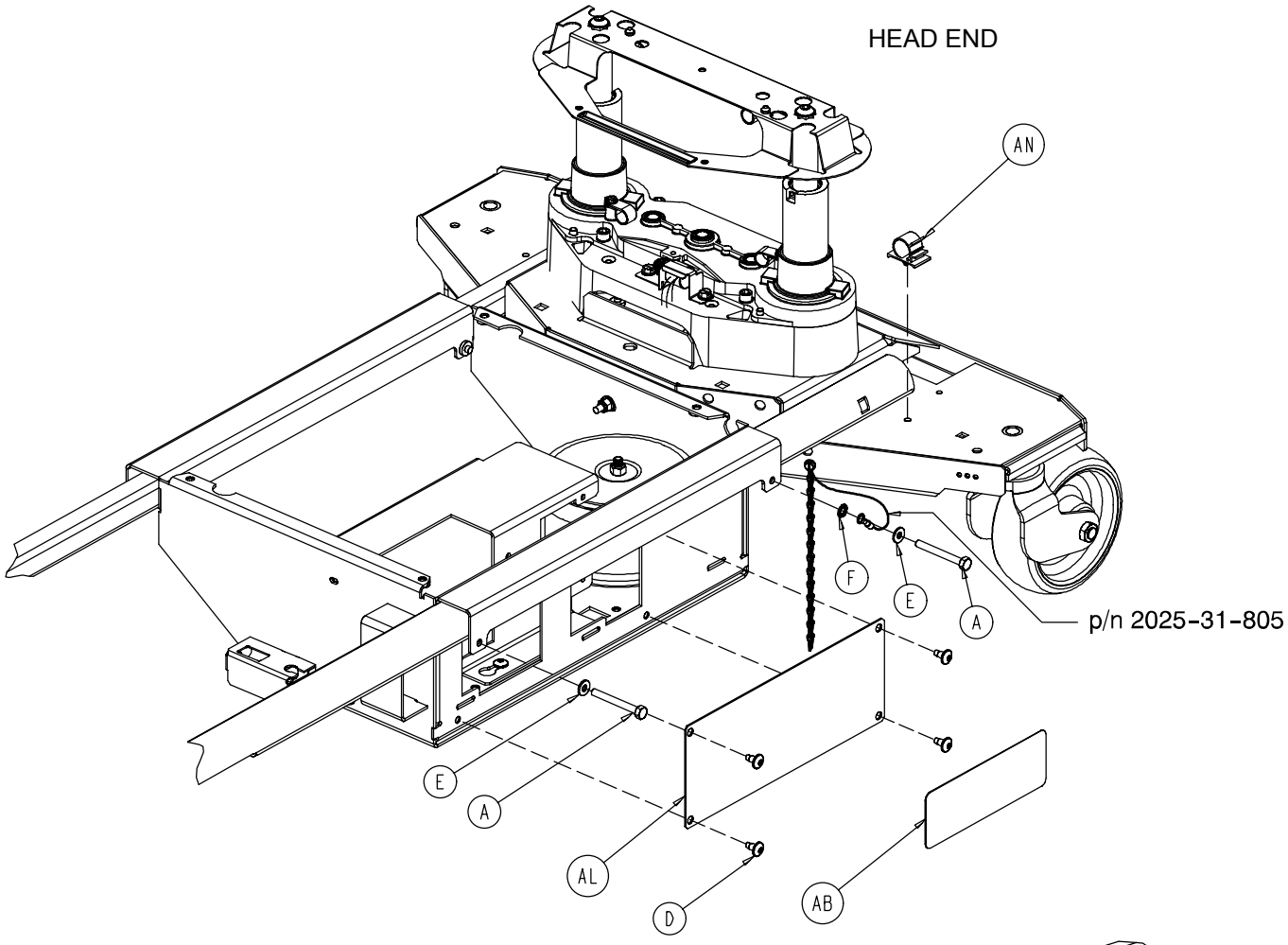


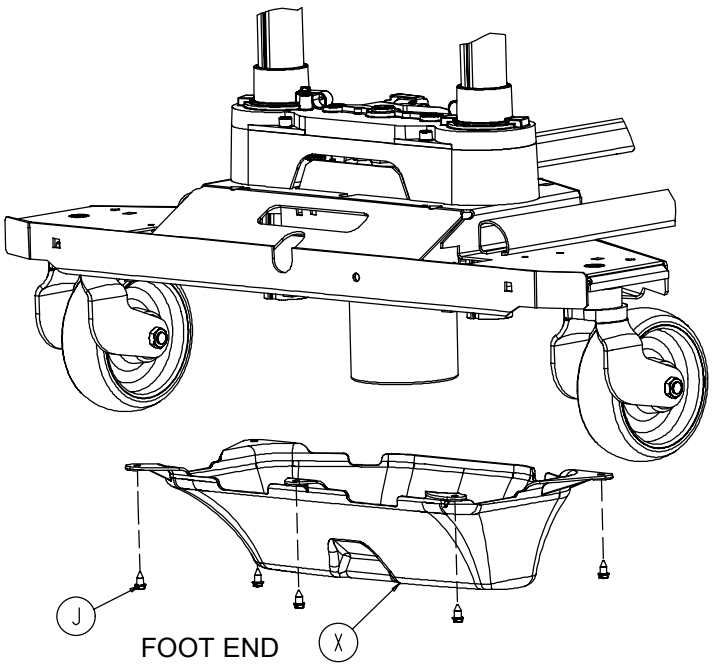
Optional Epic+ Base Assembly

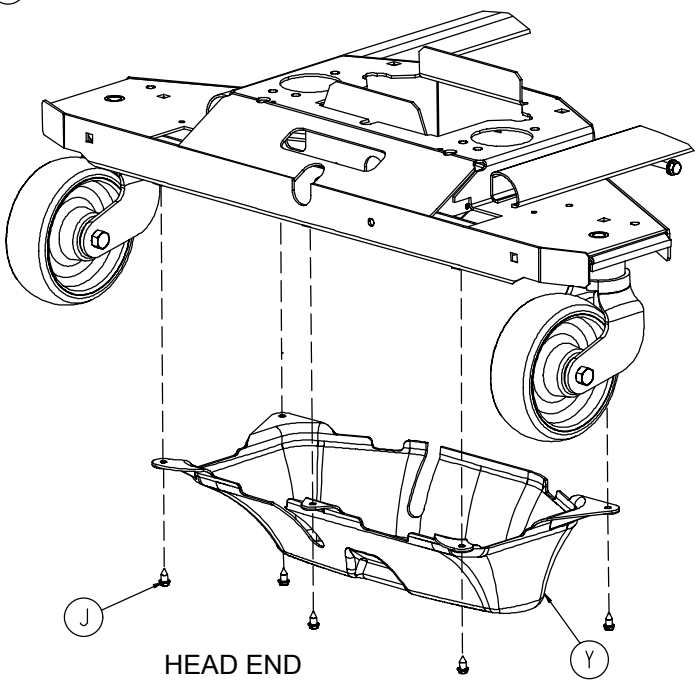




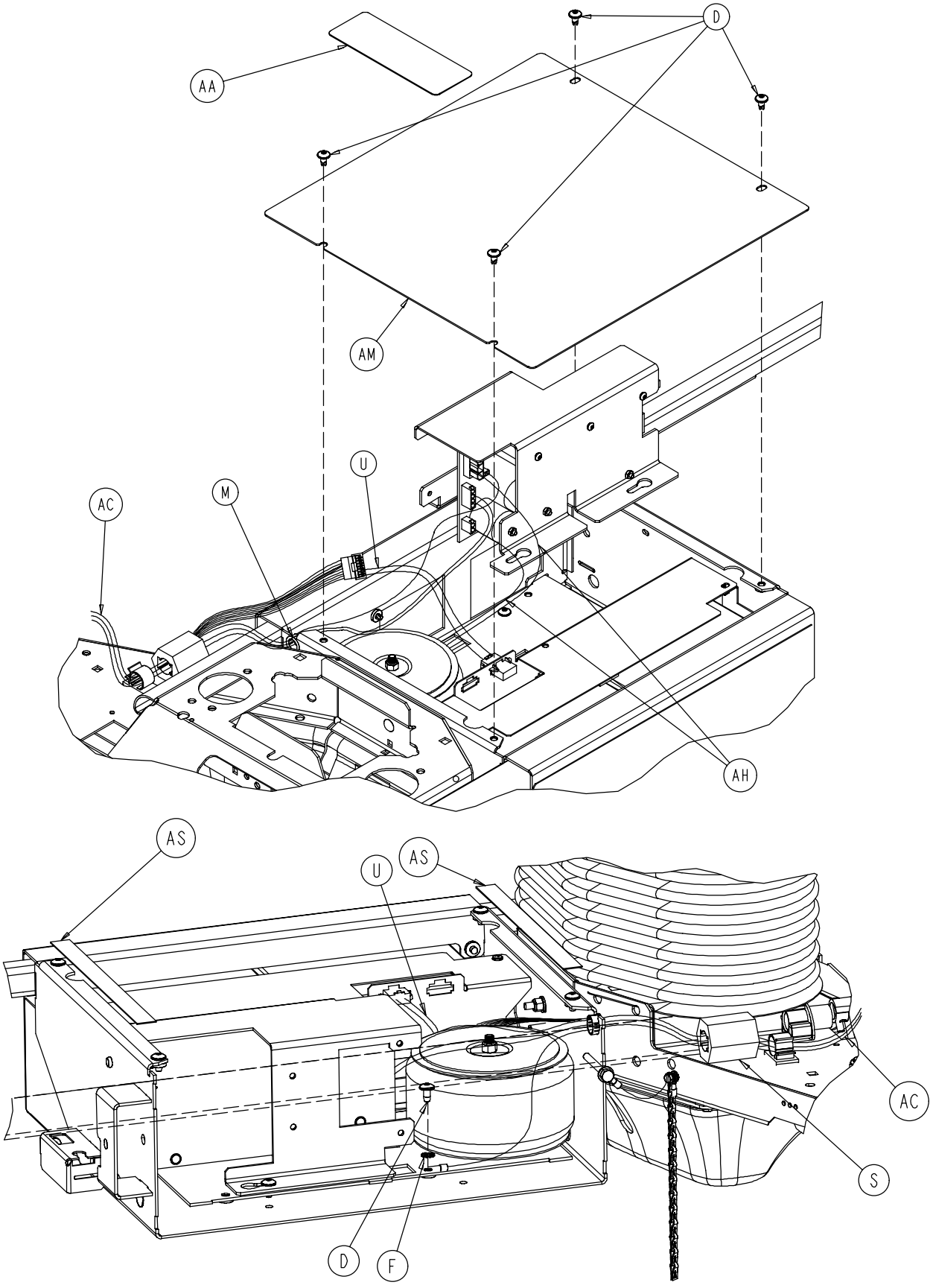
Optional Epic+ Base Assembly



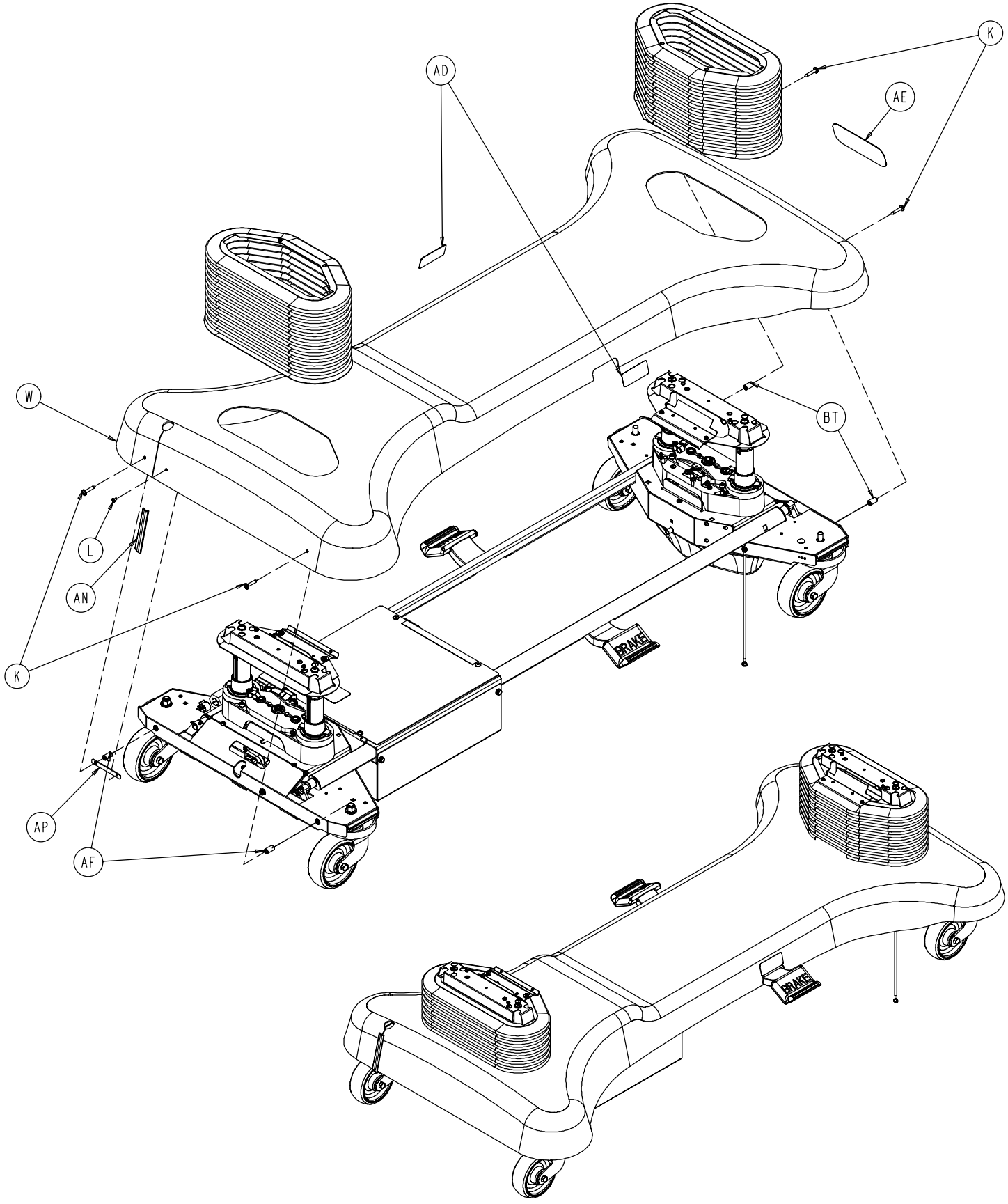




Optional Epic+ Base Assembly



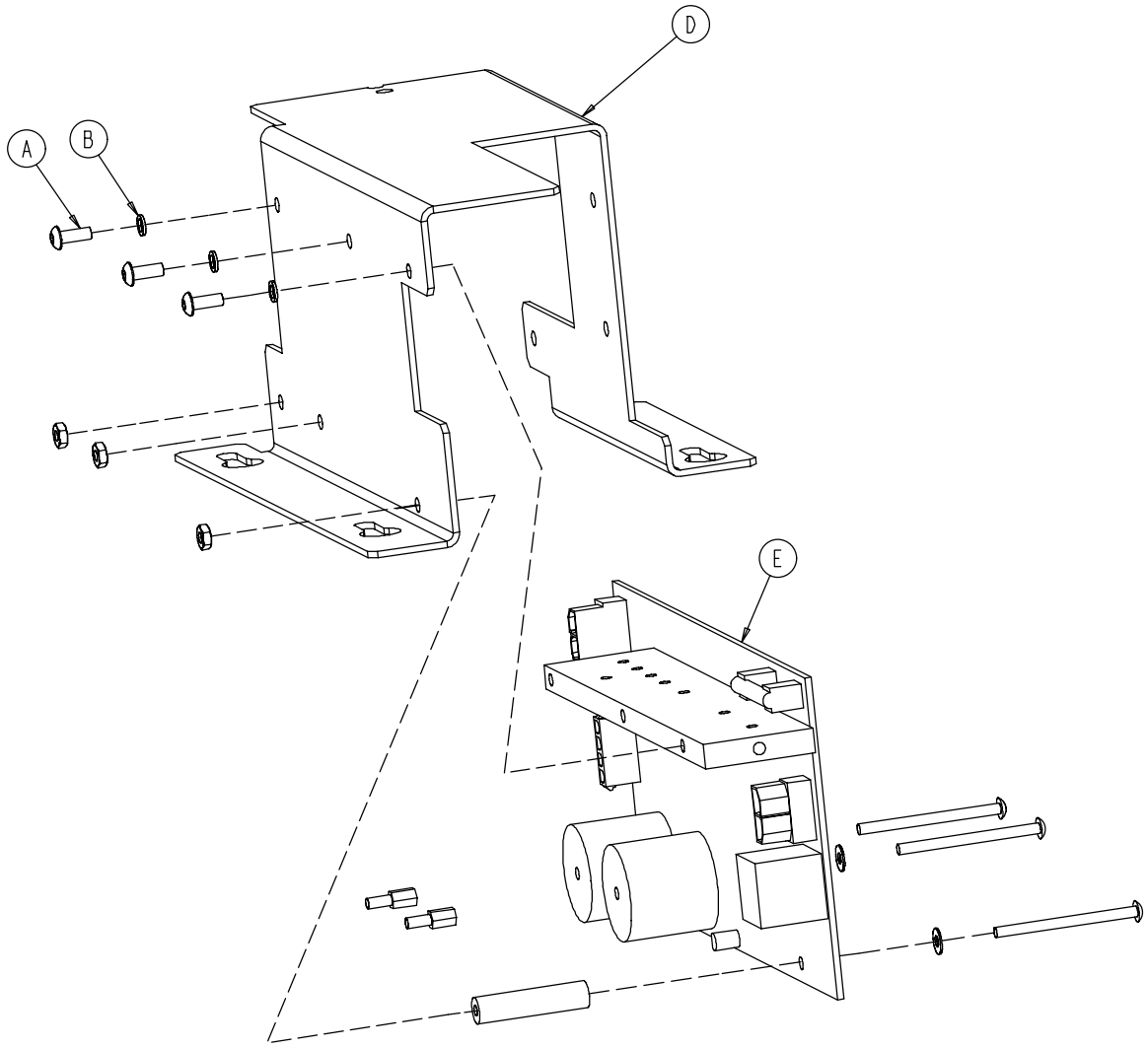
Optional Epic+ Base Assembly



Optional Epic+ Base Assembly

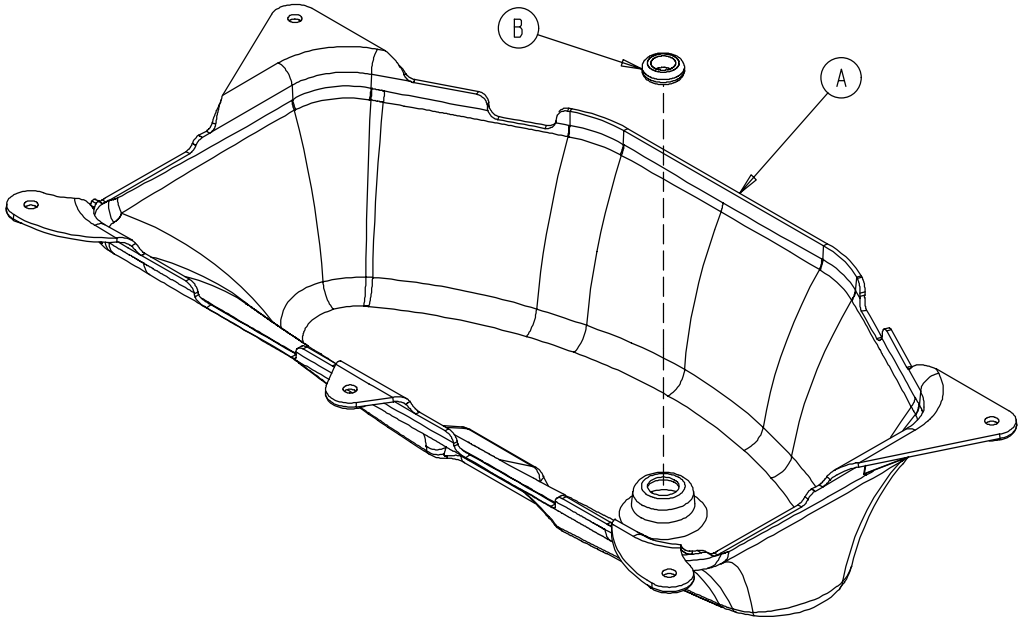
Item	Part No.	Part Name	Qty.
A	3-32	Hex Hd. Cap Screw	4
B	4-263	Hex Soc. But. Hd. Cap Screw	1
C	5-17	Carriage Bolt	1
D	7-52	Truss Hd. Torx	13
E	11-63	Washer	5
F	13-10	External Tooth Star Washer	5
G	16-28	Nylock Nut	1
H	16-36	Nylock Nut	1
J	23-25	Hex Washer Hd. Screw	10
K	23-281	Self-Tapping Screw	4
L	25-79	Pop Rivet	1
M	30-38	Split Bushing	1
N	37-221	Hole Plug	1
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



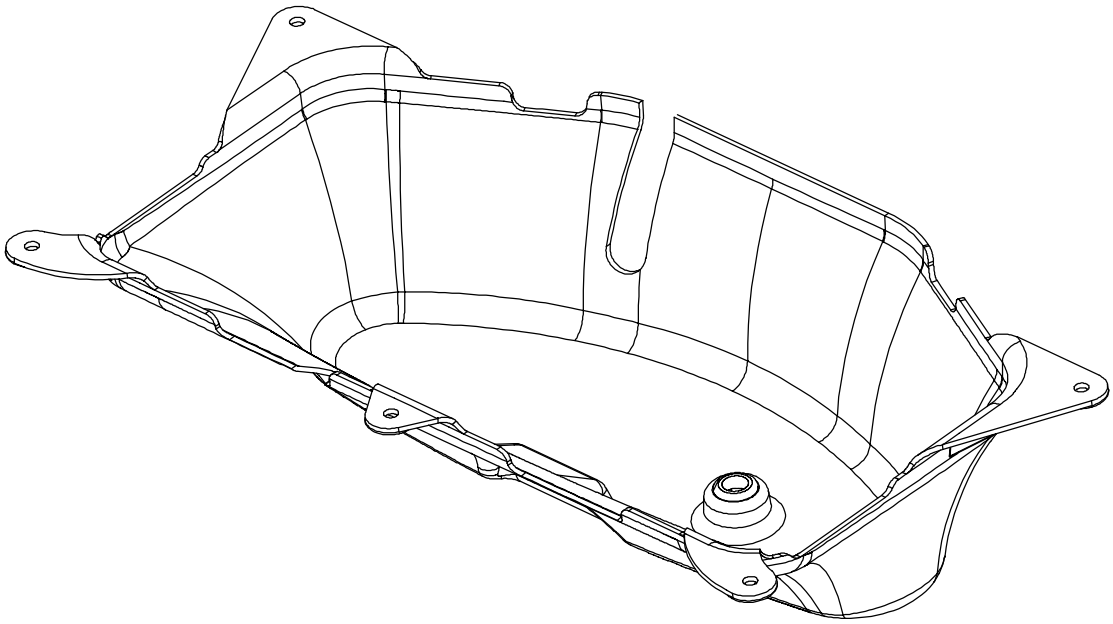
Item	Part No.	Part Name	Qty.
A	4-263	But. Hd. Cap Screw	3
B	12-6	Helical Lock Washer	3
D	3002-1-17	Charger/Inverter Heat Bracket	1
E	3002-1-930	Charger/Inverter Board	1

3001-200-22 Foot End Bottom Cover Assembly



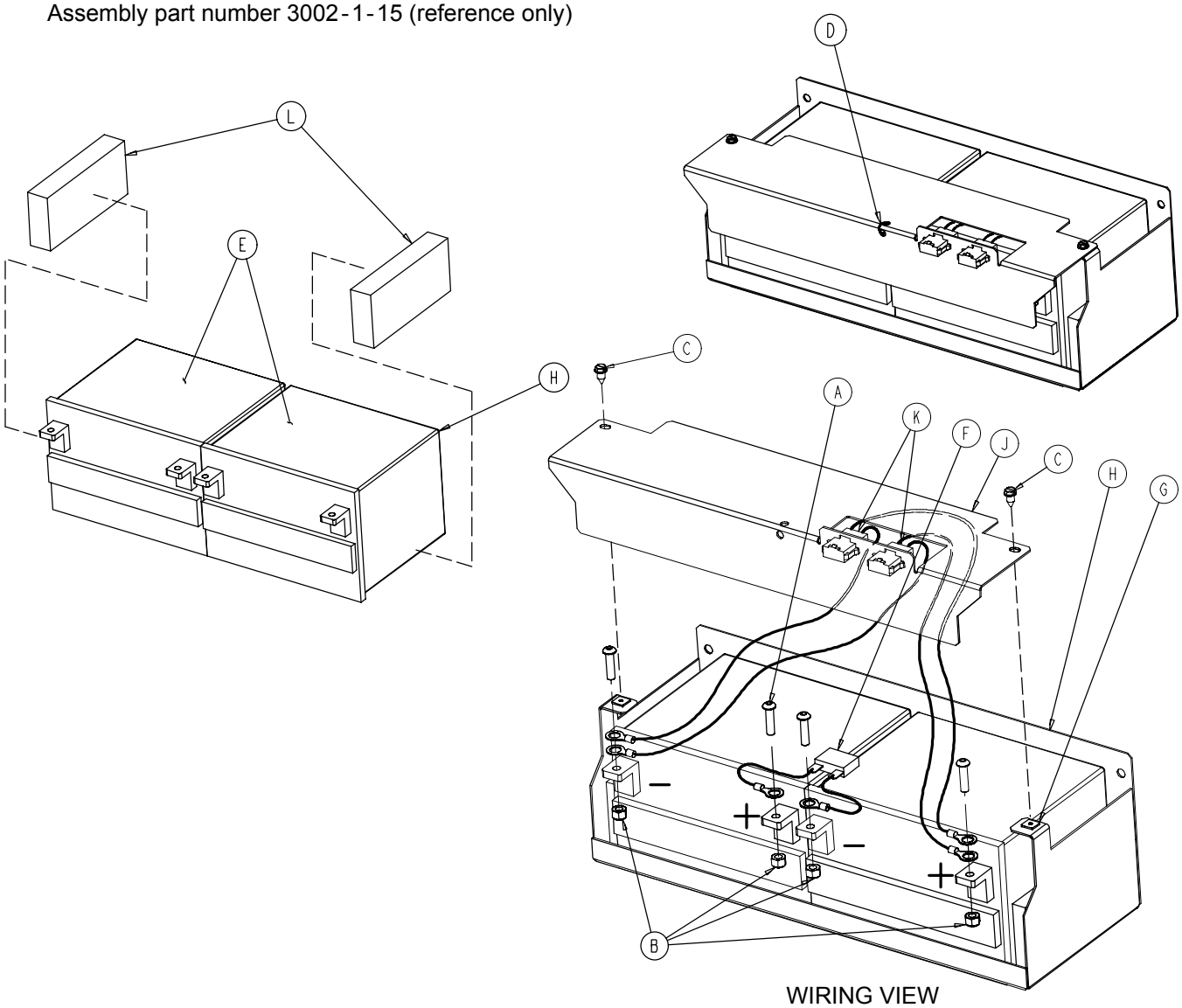
Item	Part No.	Part Name	Qty.
A	3002-1-100	Foot End Bottom Cover	1
B	3000-000-039	Grommet	1

2040-1-17 Head End Bottom Cover



Epic+ Option Battery Tray Assembly

Assembly part number 3002-1-15 (reference only)

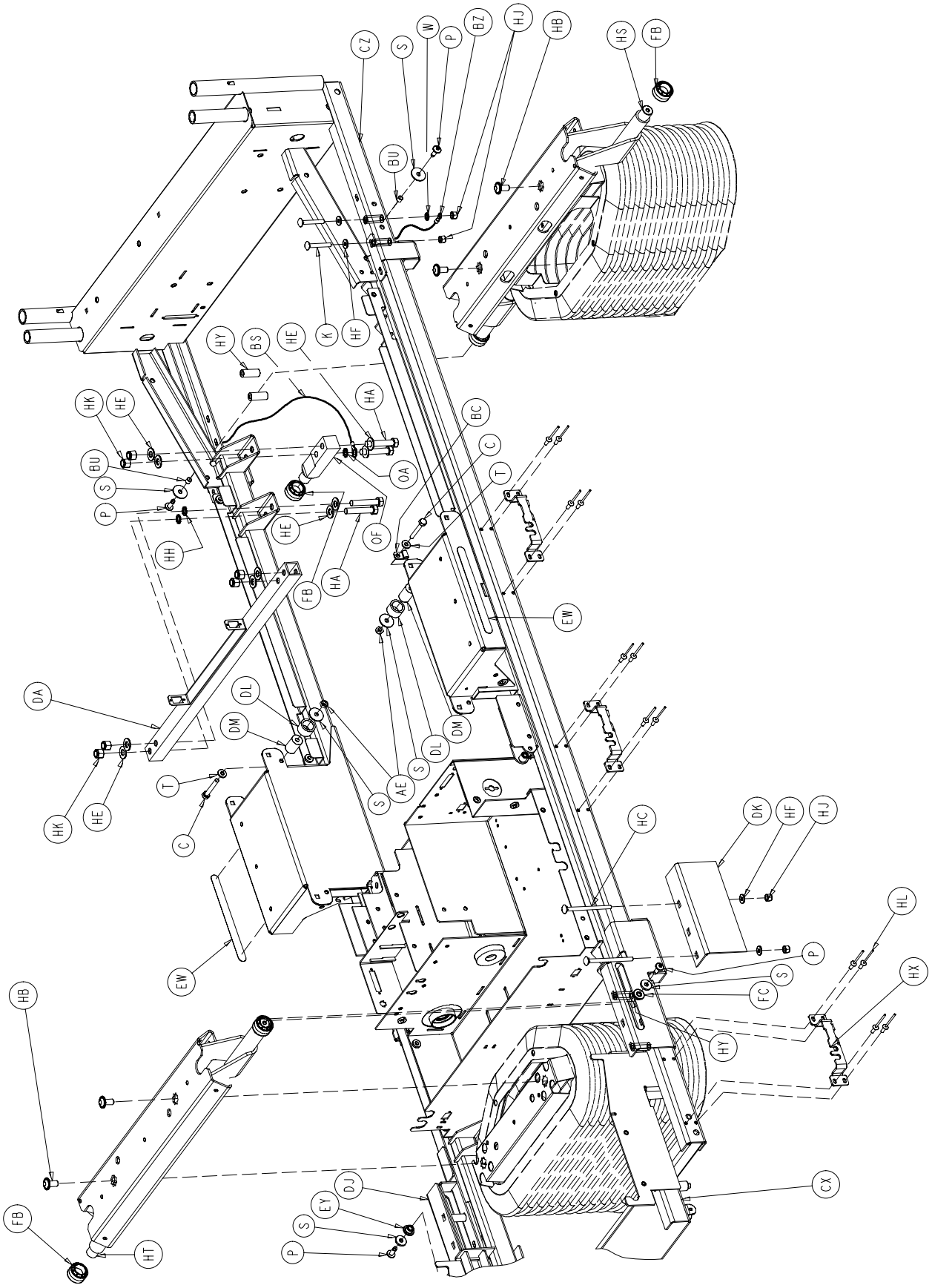


WIRING VIEW

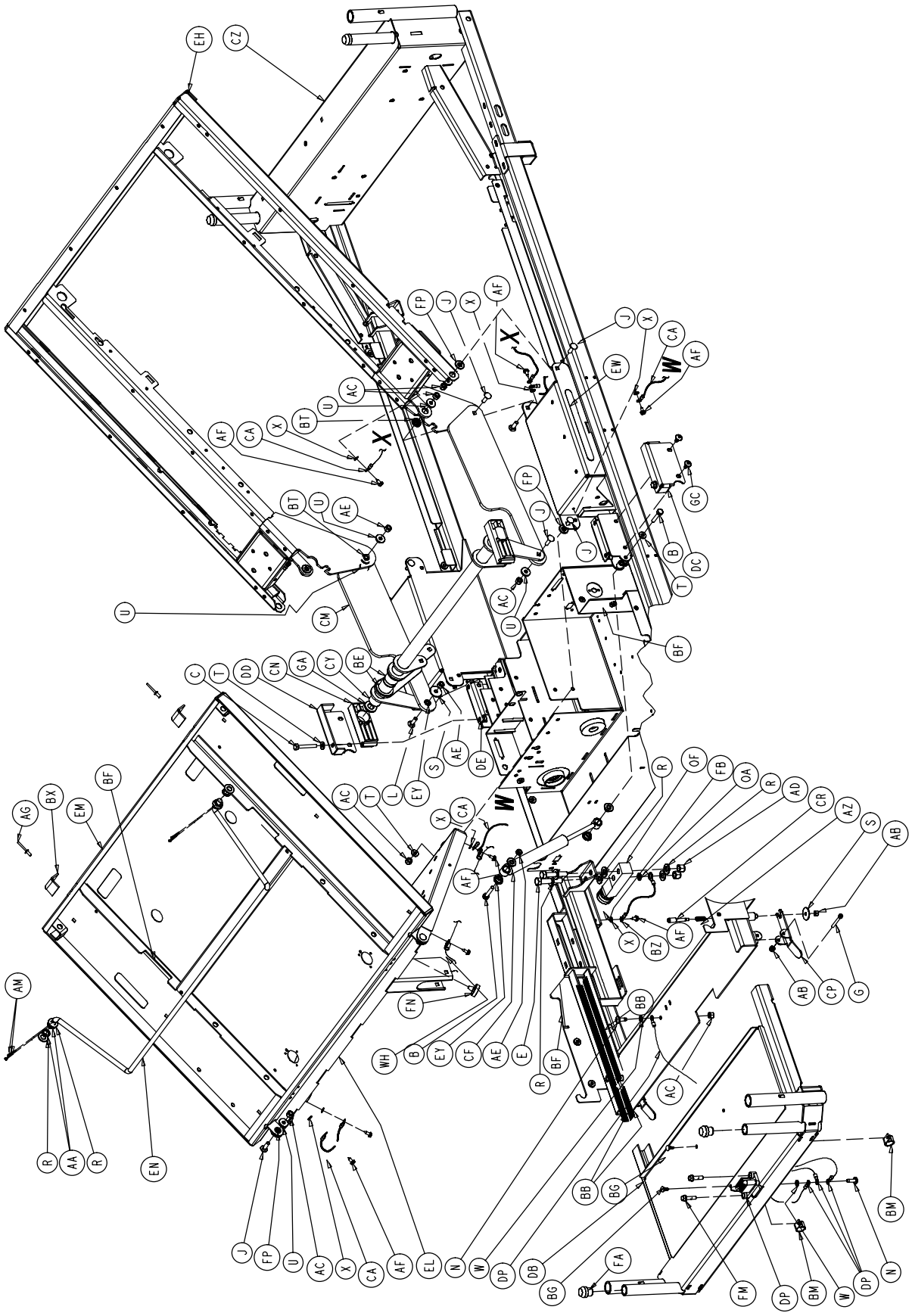
Item	Part No.	Part Name	Qty.
A	4-46	But. Hd. Cap Screw	4
B	16-28	Nylock Nut	4
C	23-25	Hex Washer Hd. Screw	2
D	38-151	Cable Tie	1
E	2040-1-70	Battery	2
F	2040-1-802	Battery Jumper Cable	1
G	3000-300-2	Push Nut	2
H	3002-1-69	Battery Tray	1
J	3002-1-91	Terminal Guard	1
K	3002-1-803	Battery Harness Cable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

Battery Kit part number 2040-700-13.

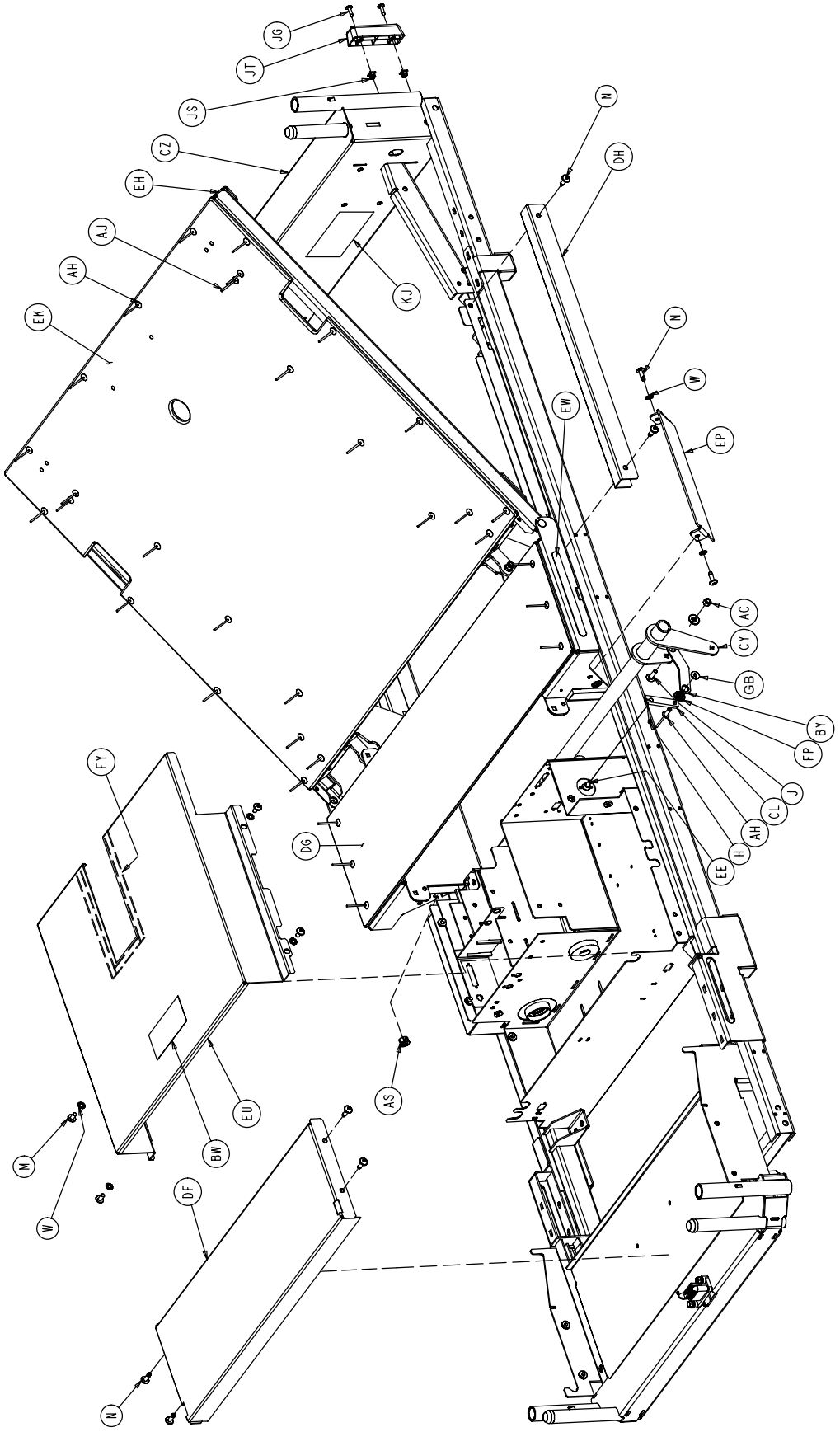
Litter Assembly and Options



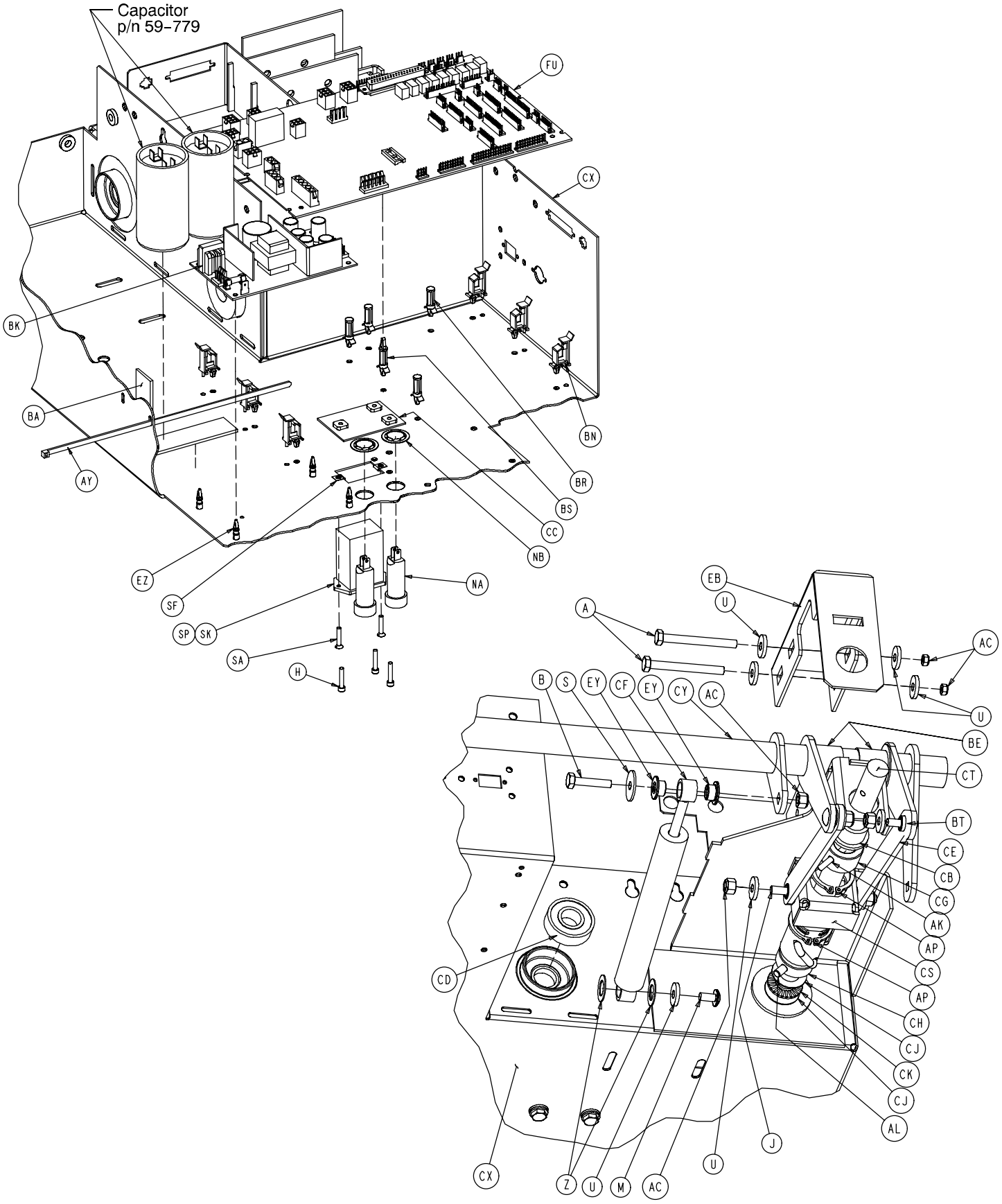
Litter Assembly and Options



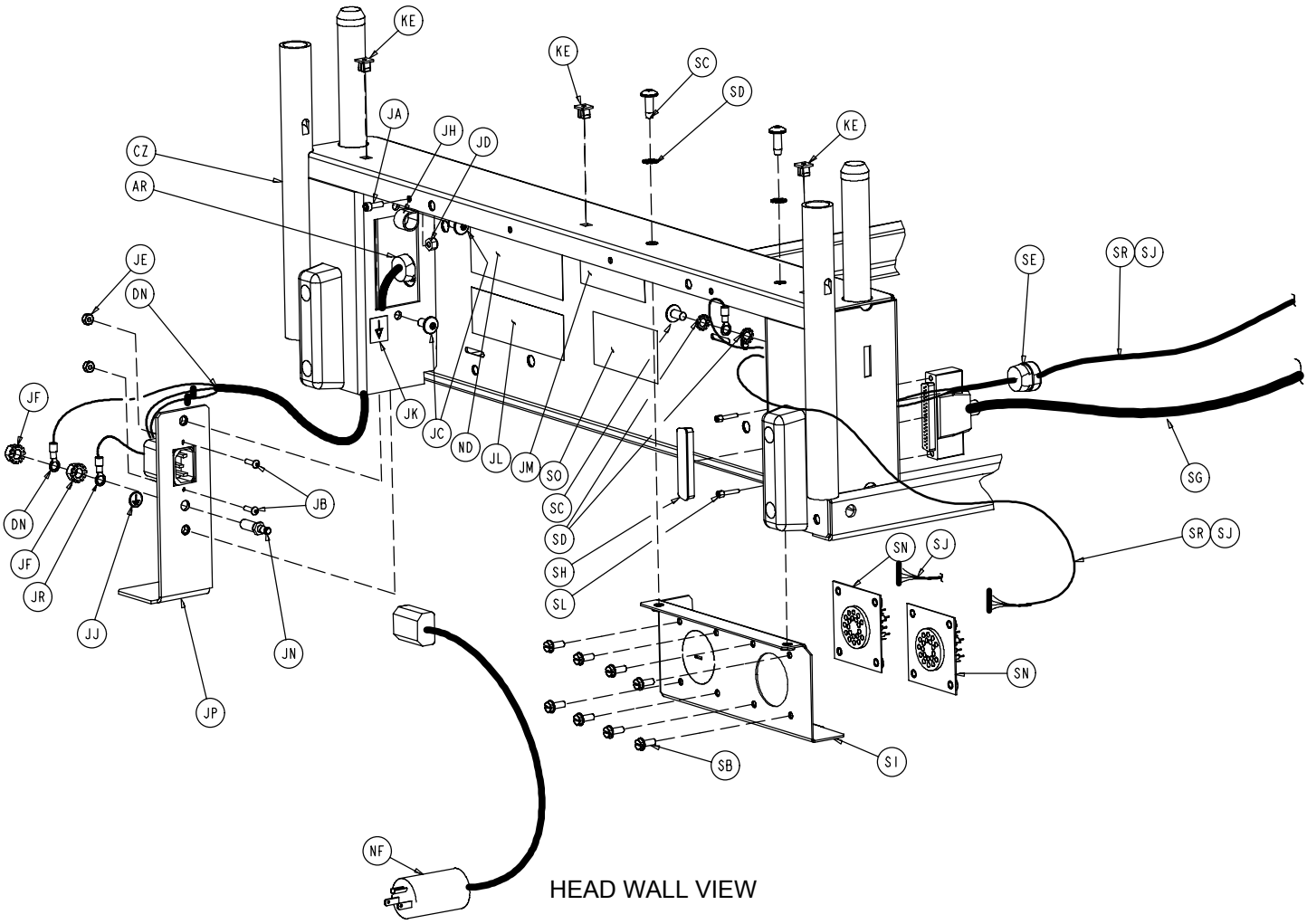
Litter Assembly and Options



Litter Assembly and Options

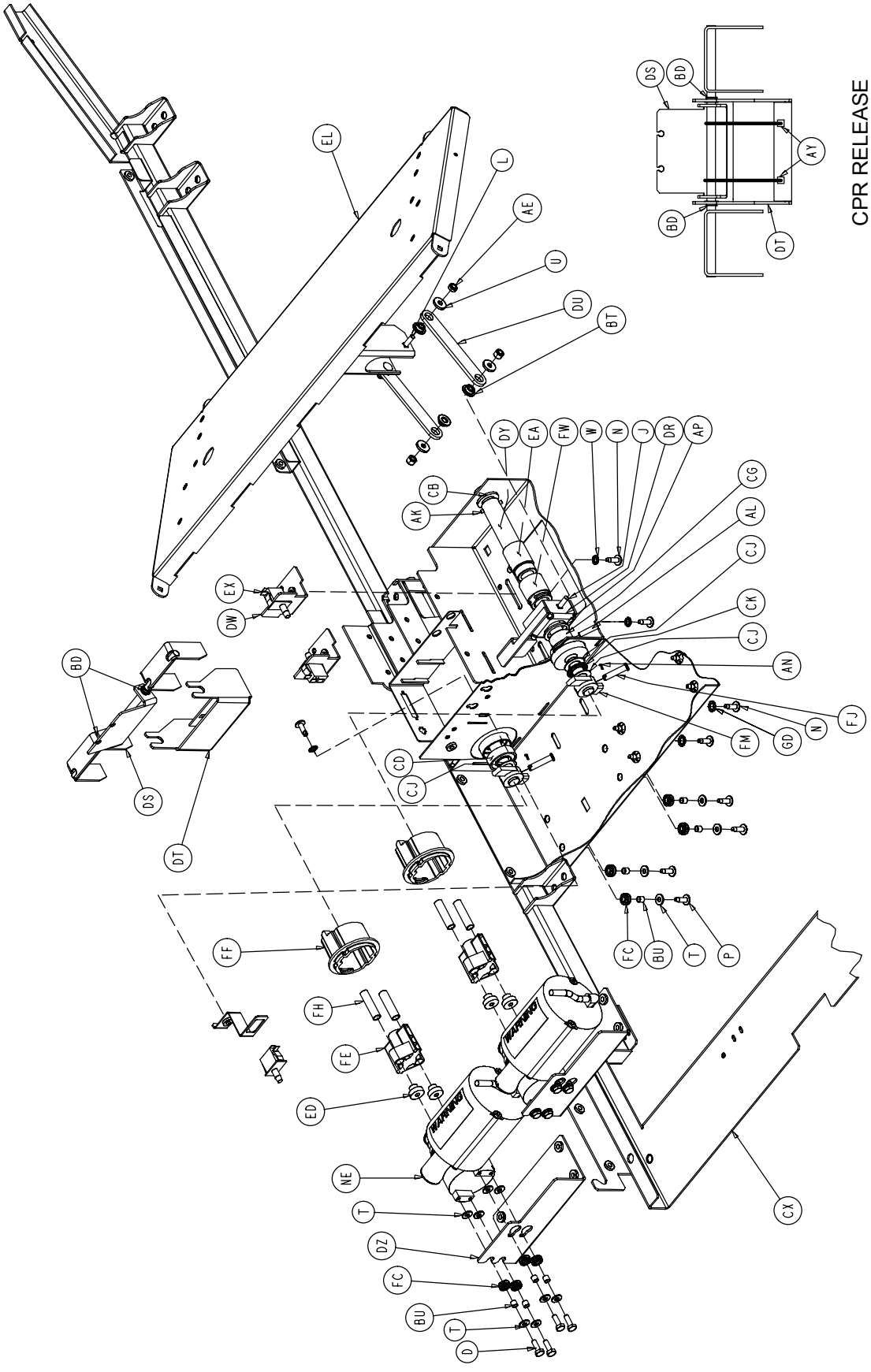


Litter Assembly and Options

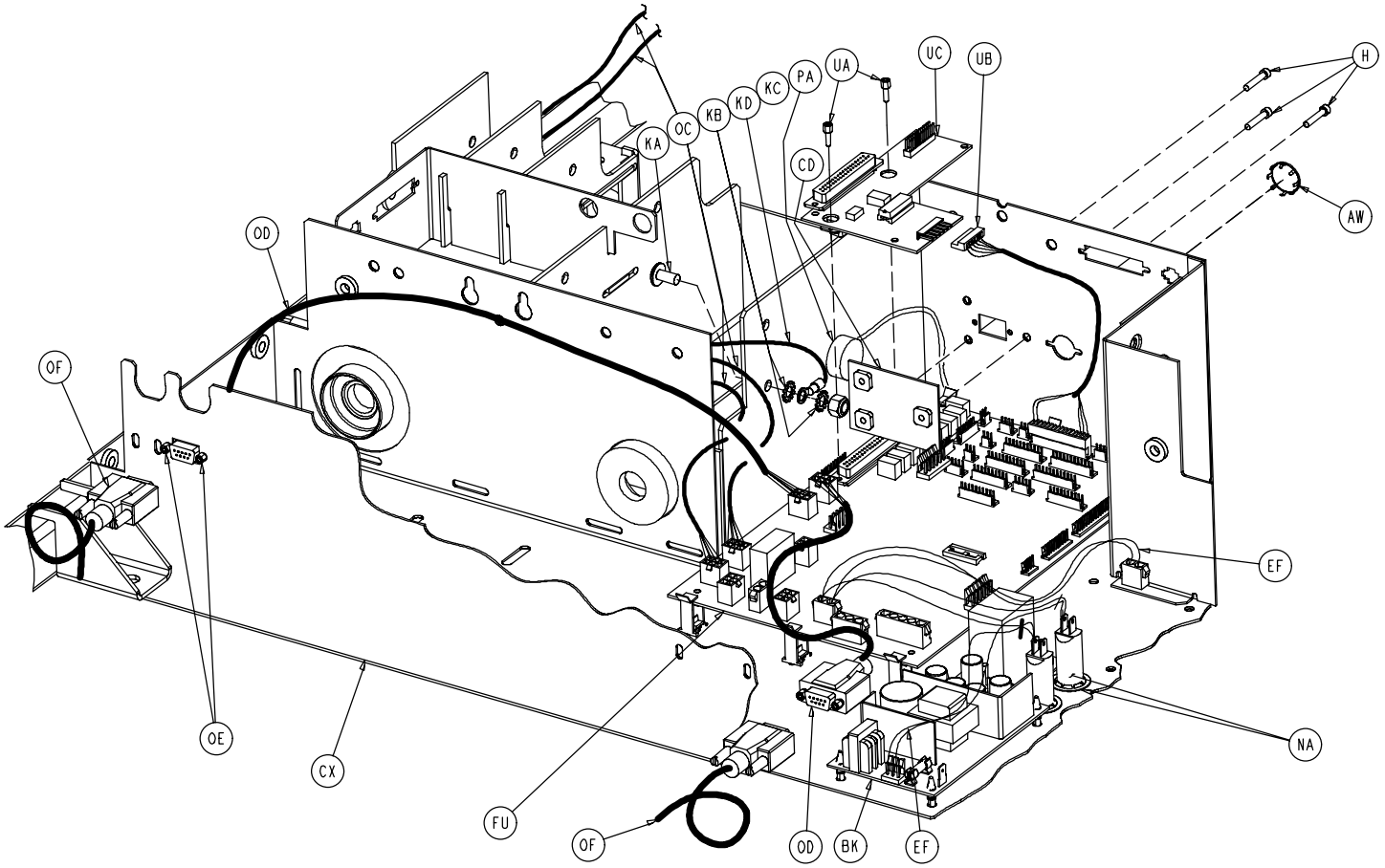


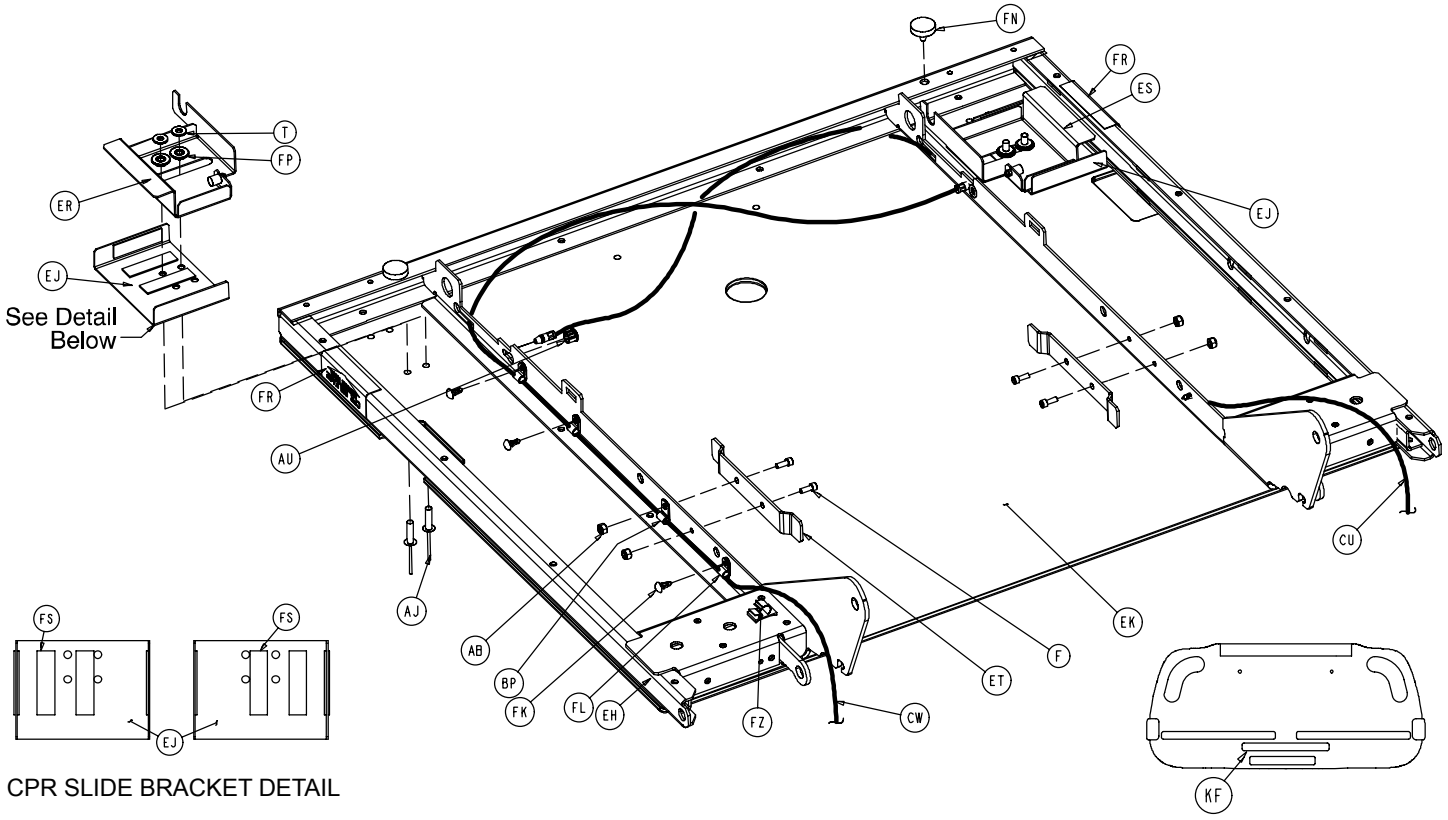
HEAD WALL VIEW

Litter Assembly and Options



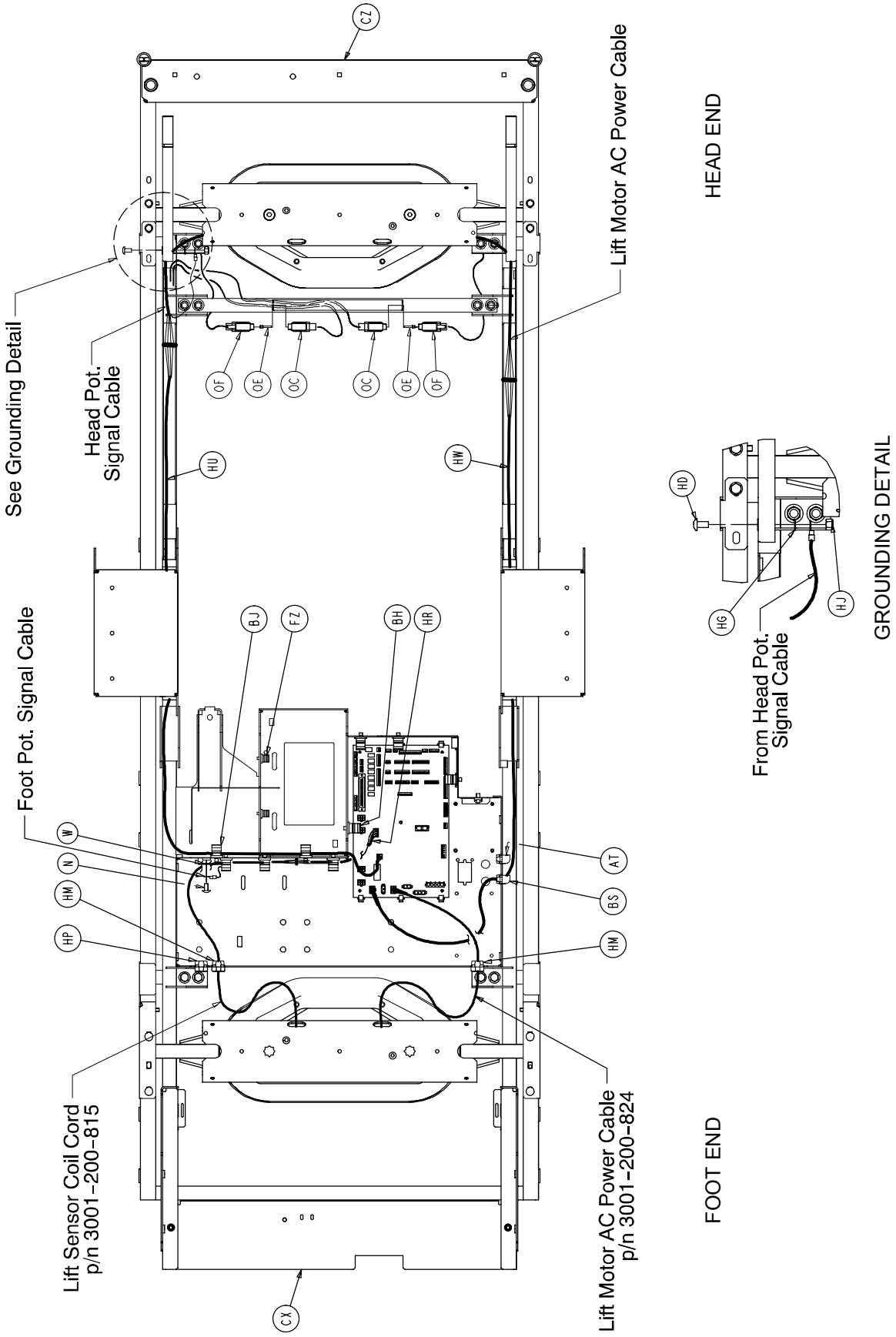
Litter Assembly and Options



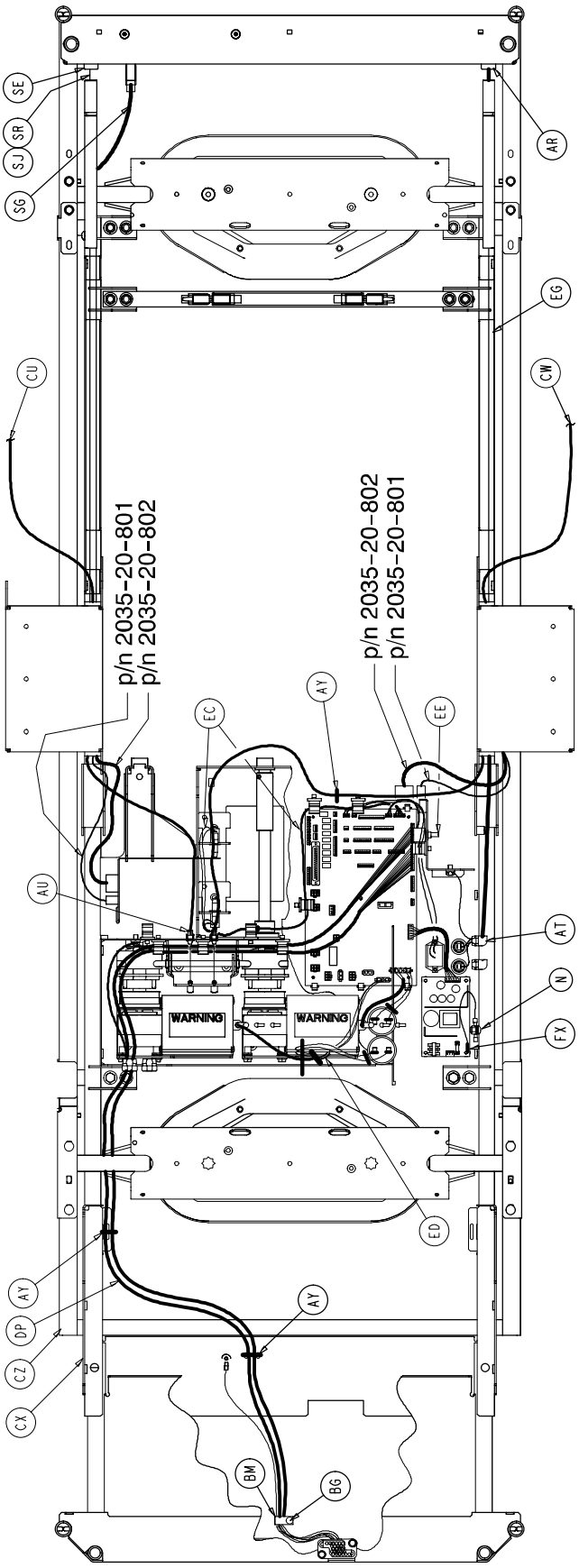


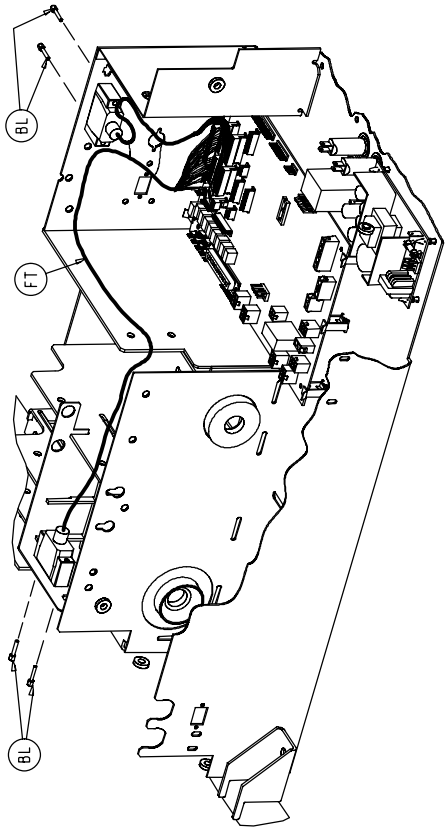
CPR SLIDE BRACKET DETAIL

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	988-2-708	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	CD	2025-32-76	Ball Bearing	2
L	5-23	Carriage Bolt	3	CE	2025-32-77	Fowler Actuator Link	2
M	7-58	Truss Hd. Torx	5	CF	2025-32-82	Hydraulic Dampener	2
N	7-63	Truss Hd. Torx	19	CG	2025-32-84	Fowler Screw Up Stop	1
P	7-65	Truss Hd. Torx	16	CH	2025-32-85	Fowler Screw Down Stop	1
R	11-4	Washer	16	CJ	2025-32-86	Thrust Washer	5
S	11-53	Washer	10	CK	2025-32-87	Roller Cage Bearing	2
T	11-63	Washer	41	CL	2025-231-61	Pot. Timing Clamp	1
U	11-158	Washer	24	CM	2025-231-88	Fowler Link	2
W	13-10	Ext. Tooth Lock Washer	16	CN	2025-231-90	Torque Tube Pivot Brg.	2
X	13-18	Ext. Tooth Lock Washer	14	CP	2025-231-99	Bed Extender Rel. Lever	2
Y	13-32	Ext. Tooth Lock Washer	2	CR	2025-231-112	Bed Extender Pin Lock	2
Z	14-7	Washer	2	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	3-224	Hex Washer Hd. Screw	16	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
AN	27-17	Cotter Pin	2	DE	2035-31-66	Torque Block Channel	2
AP	28-120	External Retaining Ring	3	DF	2035-31-94	Foot Support Cover	1
AR	30-27	Strain Relief	1	DG	2035-31-97	Seat Section Skin	1
AS	30-36	Grommet	4	DH	2035-31-100	Wire Channel Cover	2
AT	30-47	Right Angle Strain Relief	1	DJ	2035-31-115	Roller Bracket Cover, Rt.	1
AU	30-52	Snap Bushing	4	DK	2035-31-116	Roller Bracket Cover, Lt.	1
AW	37-221	Hole Plug	1	DL	2035-31-126	Protective Sleeve	2
AX	38-111	Cable Tie	10	DM	2035-31-127	Nylon Stop	2
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	18”	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	FJ	3000-300-473	Clevis Pin	2
EK	2035-33-63	Fowler Skin	1	FK	3000-300-477	CPR Conduit Stud	6
EL	2035-34-50	Thigh Section Weldment	1	FL	3000-300-478	CPR Conduit Clamp	6
EM	2035-35-50	Foot Section Weldment	1	FM	3001-200-228	Mounting Standoff	2
EP	2035-231-85	Seat Section Cover	2	FN	3001-300-8	Thigh Bumper	4
ET	2035-400-565	Siderail Guide Bracket	2	FP	3001-300-99	Flange Bearing	10
EU	(page 10-48)	Actuator Box Cover Ass'y	1	FR	3001-300-603	CPR Release Label	2
EX	3000-300-58	Switch Plunger	2	FS	3001-300-663	Velcro Strip	10
EY	3000-300-99	Modified Bushing	10	FT	3001-300-877	Siderail Extension Cable	1
EZ	3000-300-115	Standoff	4	FU	(see page 5-2)	CPU Assembly	1
FA	3000-300-349	Head/Foot Board Post Cap	4	FW	5000-30-366	Fowler Nut Adapter	1
FB	3000-300-353	Roller	8	FX	5010-80-7	Power Supply Gd. Cable	1
FC	3000-300-442	Fowler Drive Grommet	16	FY	8800-380-000	Neoprene Sponge	1.5'
FD	3000-300-455	CPR Isolation Bushing	4	FZ	8815-001-100	Wire Mount Clip	4
FE	3000-300-456	CPR Isolator	2	GA	11-310	Washer	2
FF	3000-300-461	CPR Decoupler	2	GB	11-2	Washer	1
FG	3000-300-462	CPR Wing	2	GC	7-52	Truss Hd. Torx	4
FH	3000-300-464	CPR Engagement Spring	4	GD	13-38	Ext. Tooth Lock Washer	2

2030-32-10 Epic/Epic+ Litter Components

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
DG	2035-31-97	Seat Section Skin	1	HH	13-32	Ext. Tooth Lock Washer	4
DN	2035-31-801	Inlet/Fuse Cable	1	HJ	16-6	Kep Nut	9
EK	2035-33-63	Fowler Skin	1	HK	16-35	Nylock Nut	8
ER	2035-233-64	Quick Drop Rel. Brkt., Lt.	1	HL	25-50	Rivet	24
ES	2035-233-65	Quick Drop Rel. Brkt., Rt.	1	HM	30-27	Strain Grommet	2
EW	2040-90-100	500 Lb. Label	2	HN	30-47	Right Angle Strain Relief	1
HA	3-347	Hex Hd. Cap Screw	8	HP	59-106	Strain Relief	1
HB	4-338	Flanged But. Hd. Screw	4	HR	2030-31-801	Foot Pot. Exten. Cable	1
HC	5-29	Rd. Hd. Sq. Neck Bolt	4	HU	2030-31-802	Head Pot. Exten. Cable	1
HD	7-58	Truss Hd. Torx	1	HW	2030-31-803	Head Lift Motor Extension	1
HE	11-4	Washer	16	HX	2040-31-56	Foley Bag Hanger	6
HF	11-63	Washer	8	HY	3001-300-4	Spacer	8
HG	13-10	Ext. Tooth Lock Washer	1				

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

2035-42-11 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	4-126	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	2035-231-70	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.
KA	7-58	Truss Hd. Torx	1
KB	13-10	Ext. Tooth Lock Washer	2
KC	16-28	Nylock Nut	1
KD	2040-231-806	Bed CPU Cable	1
KE	3000-300-2	Plastic Clip Nut	3
KF	2040-31-100	Manual Push Label	1
KG	59-194	Split Ferrite	3
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
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
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
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
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

2030-34-10 Foot Prop Option

Item	Part No.	Part Name	Qty.
R	11-4	Washer	4
AA	14-8	Washer	4
AM	27-15	Cotter Pin	4
EN	2035-35-96	Foot Prop Rod	1
BF	58-56	Black Edge Trim	6”

2031-200-000 Japan Option

Item	Part No.	Part Name	Qty.
JR	2031-200-2	Power Inlet Cable	1
NA	59-208	Circuit Breaker	2
NC	59-207	Capacitor	2
ND	2031-200-1	Specification Label	1
NE	2035-300-705	Fowler Drive Assembly	2
NF	39-254	Power Cord	1

Litter Assembly and Options

2030-30-100 No Scale or Bed Exit Options

Item	Part No.	Part Name	Qty.
	(page 10-76)	Foot Board, No Scale/BE	1
OF	3001-300-511	"Imitation" Load Cell	4

2030-40-125 Scale Option Only

Item	Part No.	Part Name	Qty.
OA	13-32	Ext. Tooth Lock Washer	4
	(page 10-77)	Foot Board, Scale Option	1
OC	2035-317-805	Load Cell Cable, Head	2
OD	2035-317-804	Load Cell Cable, Foot	2
OE	3001-300-7	M/F Screw	8
OF	3001-307-57	Load Cell	4

2030-40-175 Chaperone® Bed Exit Option

Item	Part No.	Part Name	Qty.
OA	13-32	Ext. Tooth Lock Washer	4
	(page 10-78)	Ft. Bd., Chaperone Option	1
OC	2035-317-805	Load Cell Cable, Head	2
OD	2035-317-804	Load Cell Cable, Foot	2
OE	3001-300-7	M/F Screw	8
OF	3001-307-57	Load Cell	4

2030-40-150 Scale & Chaperone® Options

Item	Part No.	Part Name	Qty.
OA	13-32	Ext. Tooth Lock Washer	4
	(page 10-80)	Ft. Bd., Scale & Chap.	1
OC	2035-317-805	Load Cell Cable, Head	2
OD	2035-317-804	Load Cell Cable, Foot	2
OE	3001-300-7	M/F Screw	8
OF	3001-307-57	Load Cell	4

2030-40-275 Chaperone II® Bed Exit Option

Item	Part No.	Part Name	Qty.
OA	13-32	Ext. Tooth Lock Washer	4
	(page 10-79)	Ft. Bd., Chap. II Option	1
OC	2035-317-805	Load Cell Cable, Head	2
OD	2035-317-804	Load Cell Cable, Foot	2
OE	3001-300-7	M/F Screw	8
OF	3001-307-57	Load Cell	4

2035-40-250 Scale & Chaperone II® B. E. Options

Item	Part No.	Part Name	Qty.
OA	13-32	Ext. Tooth Lock Washer	4
	(page 10-81)	Foot Board, Scale & BE	1
OC	2035-317-805	Load Cell Cable, Head	2
OD	2035-317-804	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

2035-30-207 Smart TV Option

Item	Part No.	Part Name	Qty.
UA	59-727	Jack Screw	2
UB	2035-232-806	STV Option Control Cable	1
UC	3001-330-970	STV Option Board	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

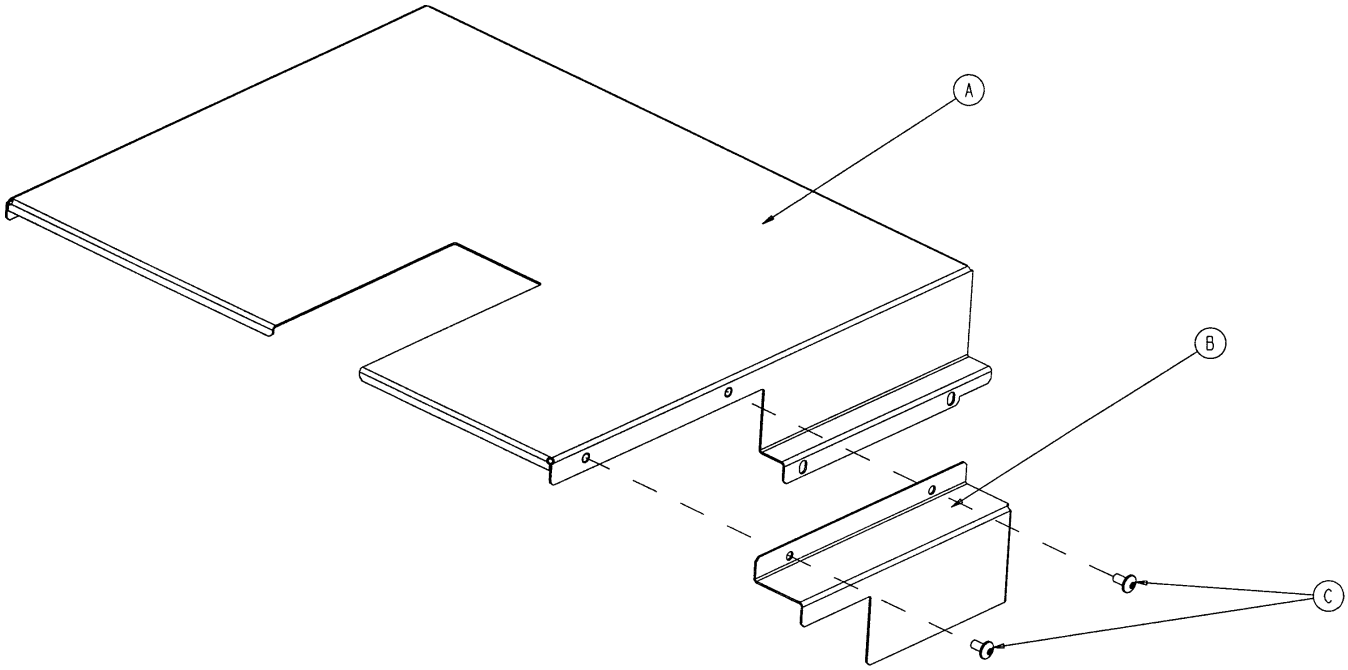
Item	Part No.	Part Name	Qty.
SA	1-87	Flat Hd. Mach. Screw	2
SE	30-27	Strain Relief Grommet	1
SF	52-783	U Clip	2
SG	59-175	Head Wall Interface Cable	1
SH	59-710	Static Cap	1
SK	3000-303-871	Battery	1
	2030-31-202	Hd. Wall w/NC & 1 Port	1
SP	5010-80-20	9V Battery Box w/Cable	1
SR	2035-30-804	Pendant Port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

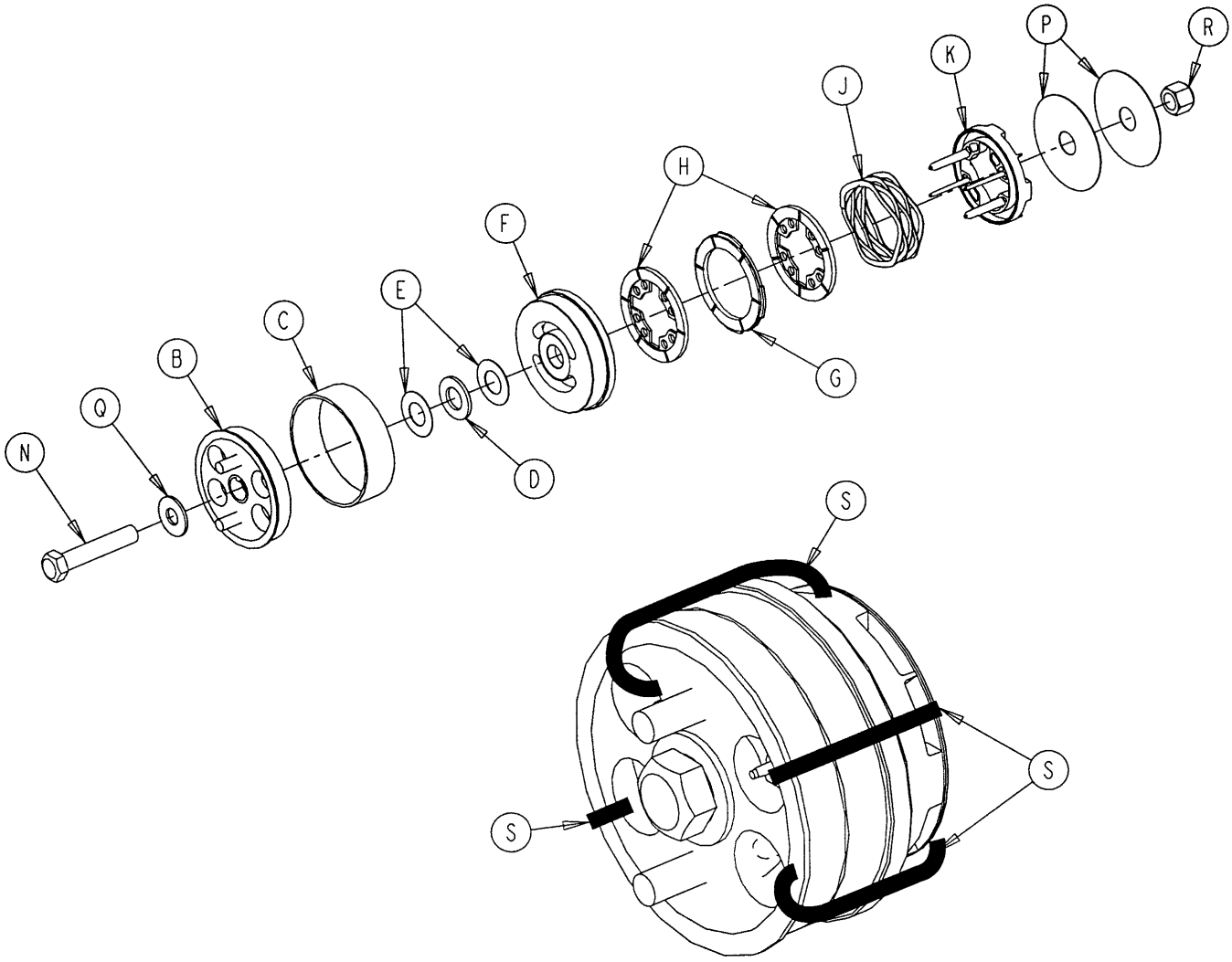
Actuator Box Cover Assembly

Assembly part number 2035-432-75 (reference only)



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

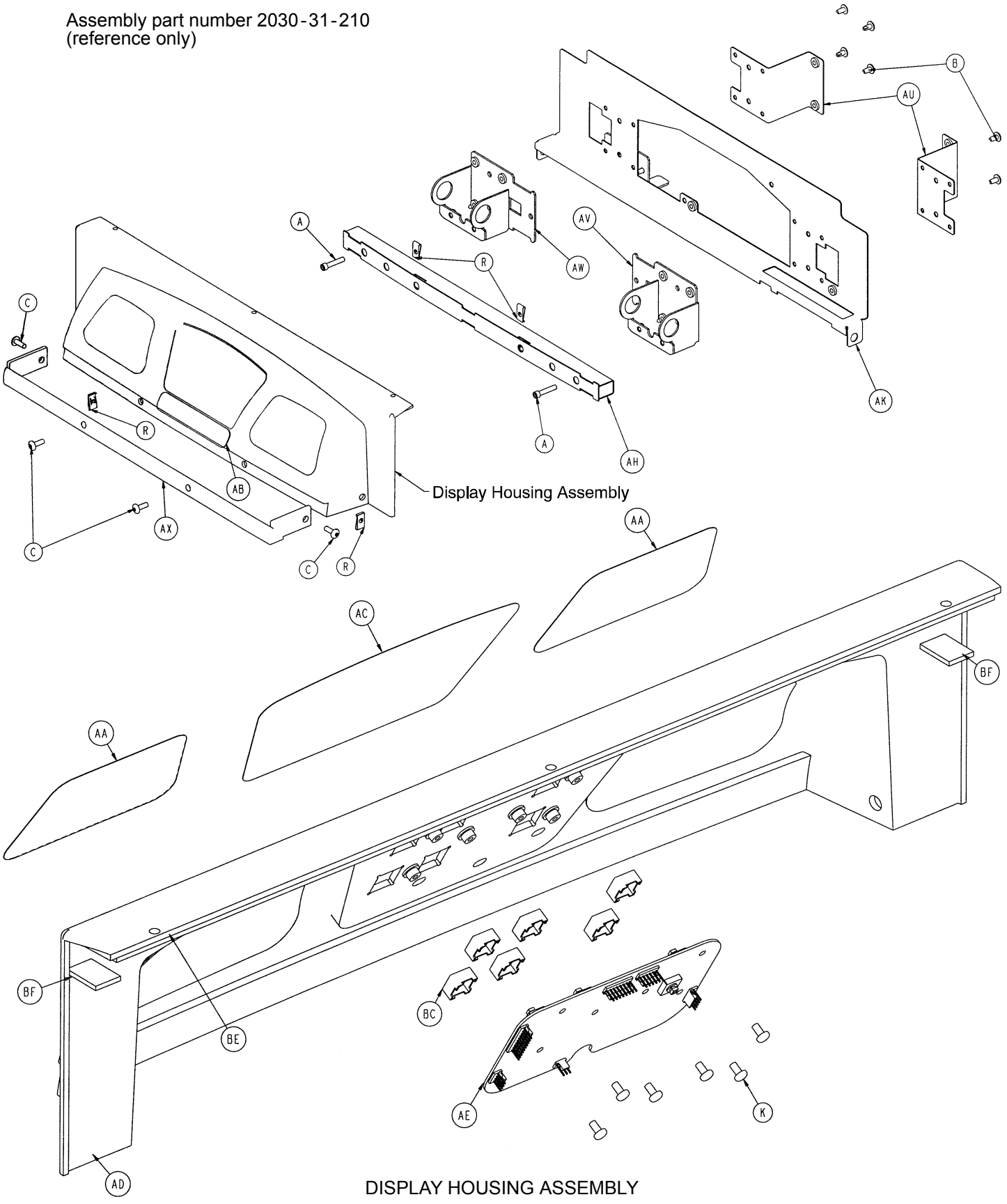
3001-300-775 Fowler Brake Kit Assembly



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

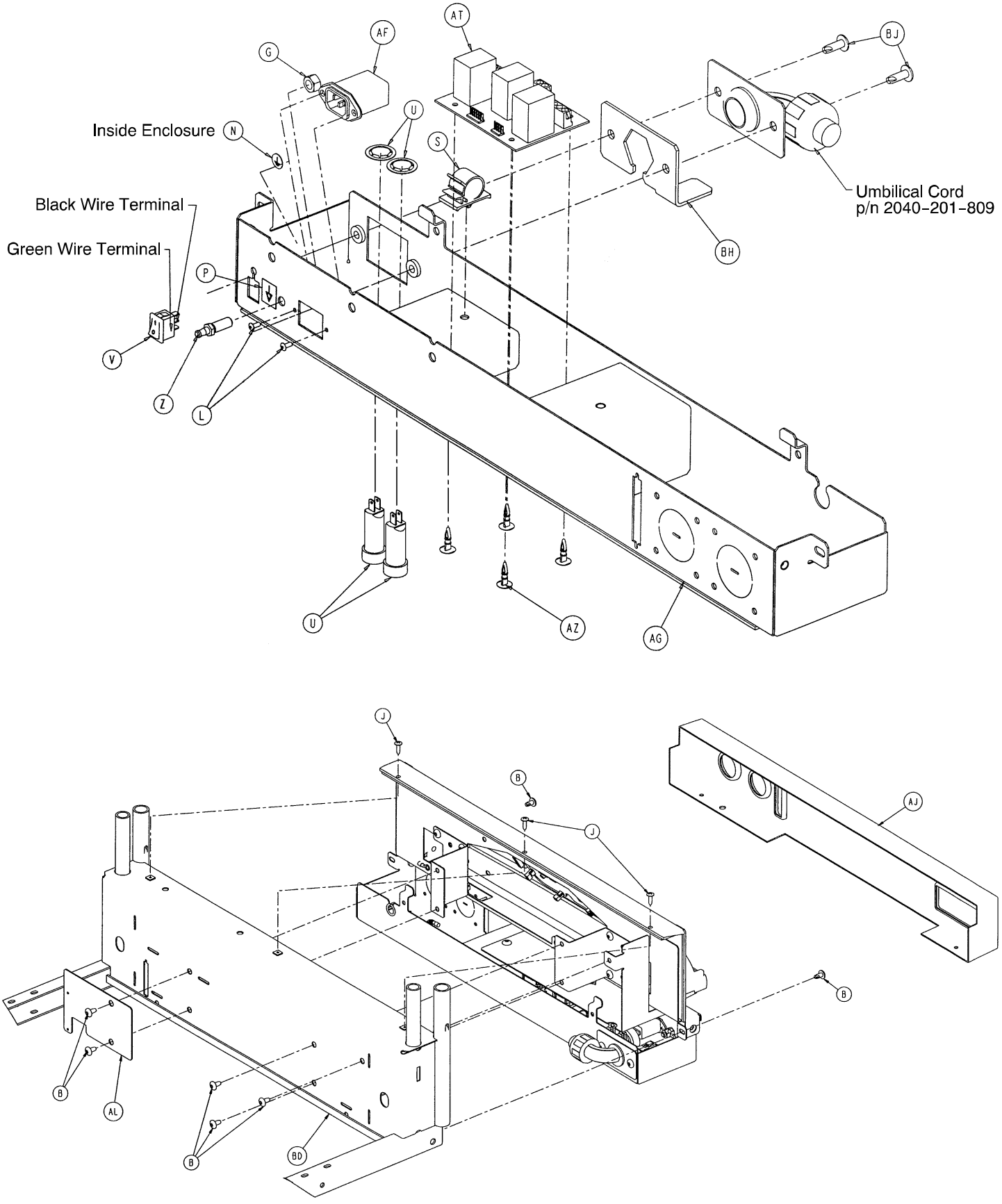
Epic+ Litter Option Assembly

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

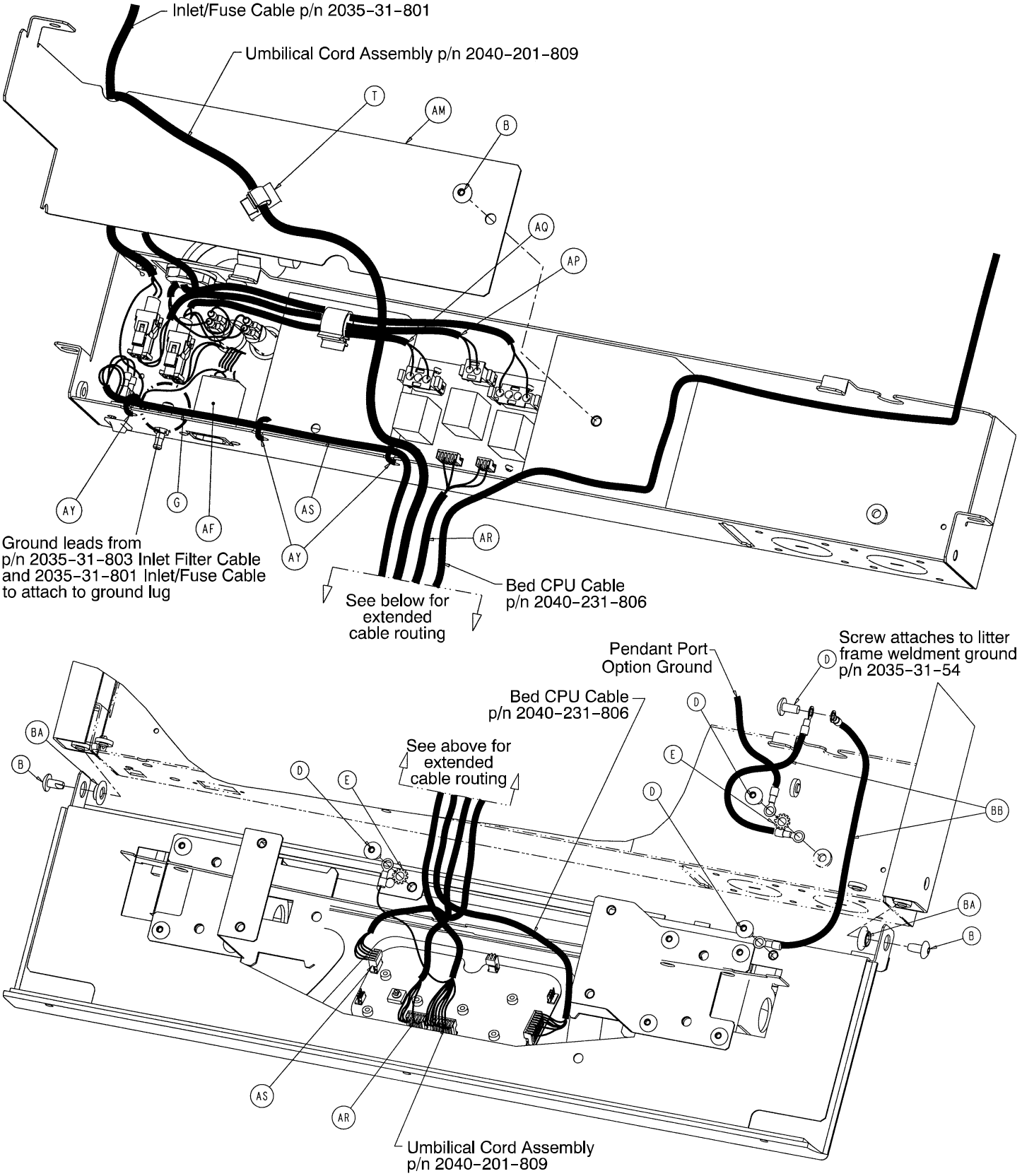


DISPLAY HOUSING ASSEMBLY

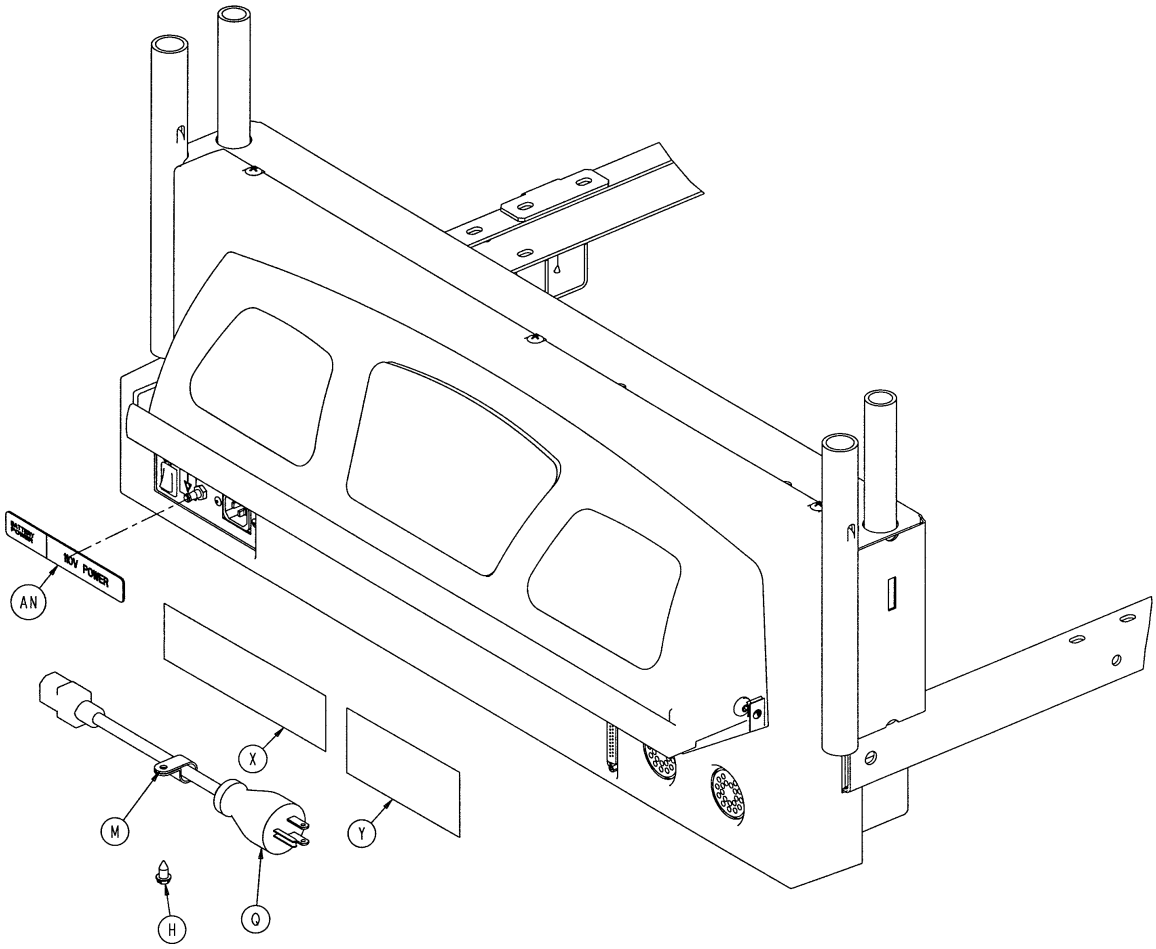
Epic+ Litter Option Assembly



Epic+ Litter Option Assembly



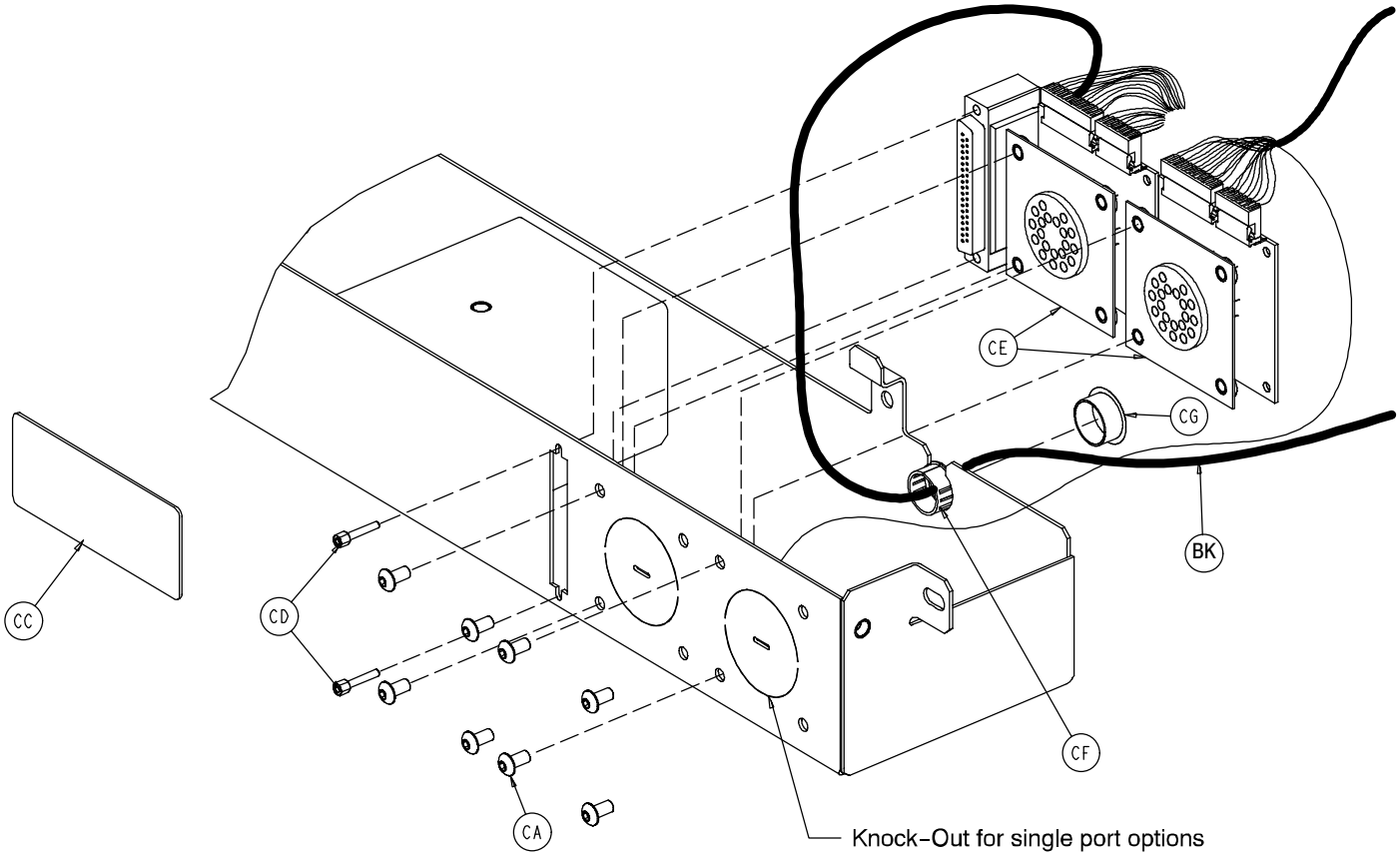
Epic+ Litter Option Assembly



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
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
BH	2040-31-85	Umbilical Cord Support Plate	1
BJ	7-65	Truss Hd. Torx	2
BK	2035-31-806	Headwall Interface Cable	1

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

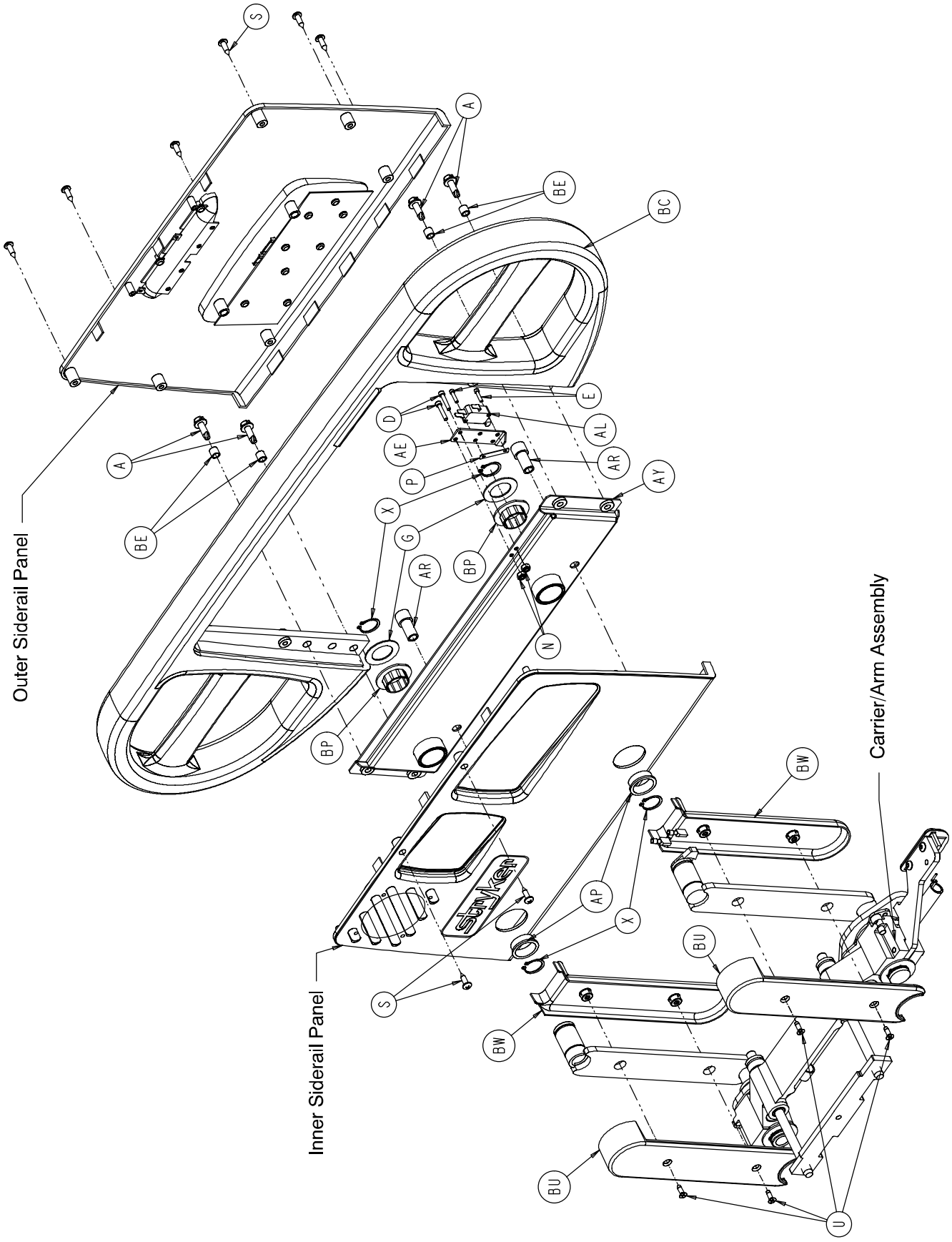
2030-31-203 HW Comm. w/NC & 2 Stryker Ports

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

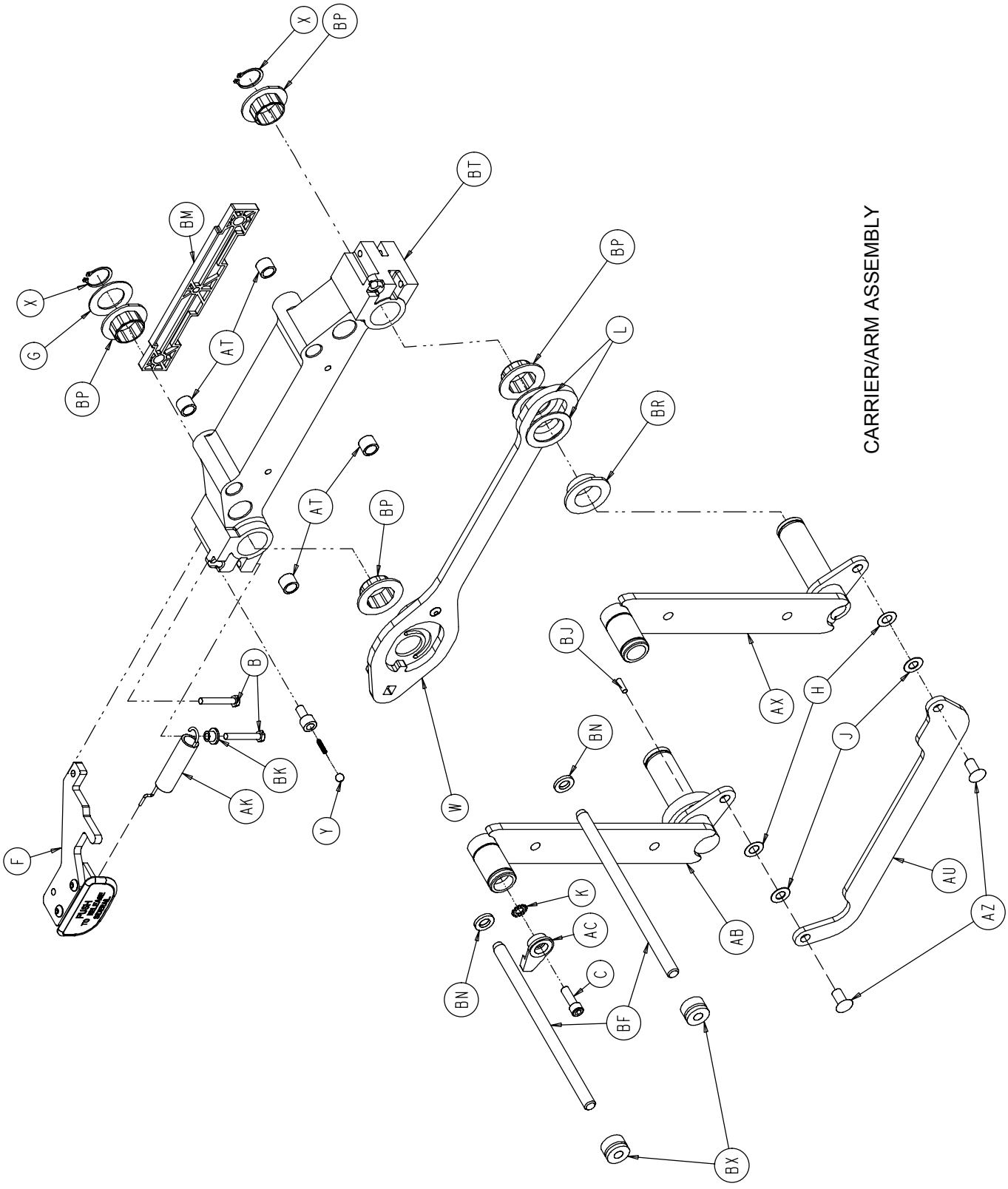
2030-31-204 No Head Wall Options

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

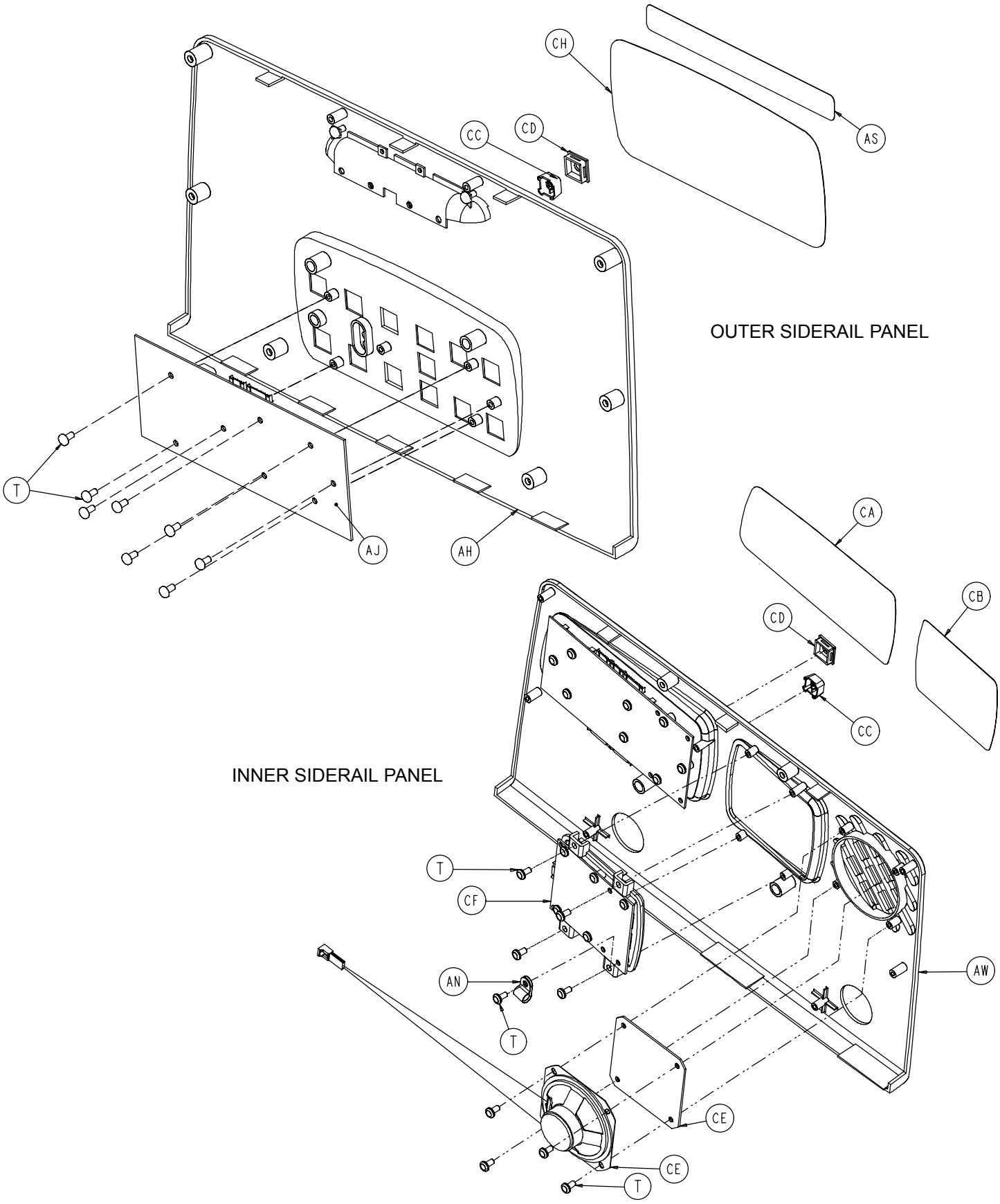
Head End Siderail Assembly, Left and Right



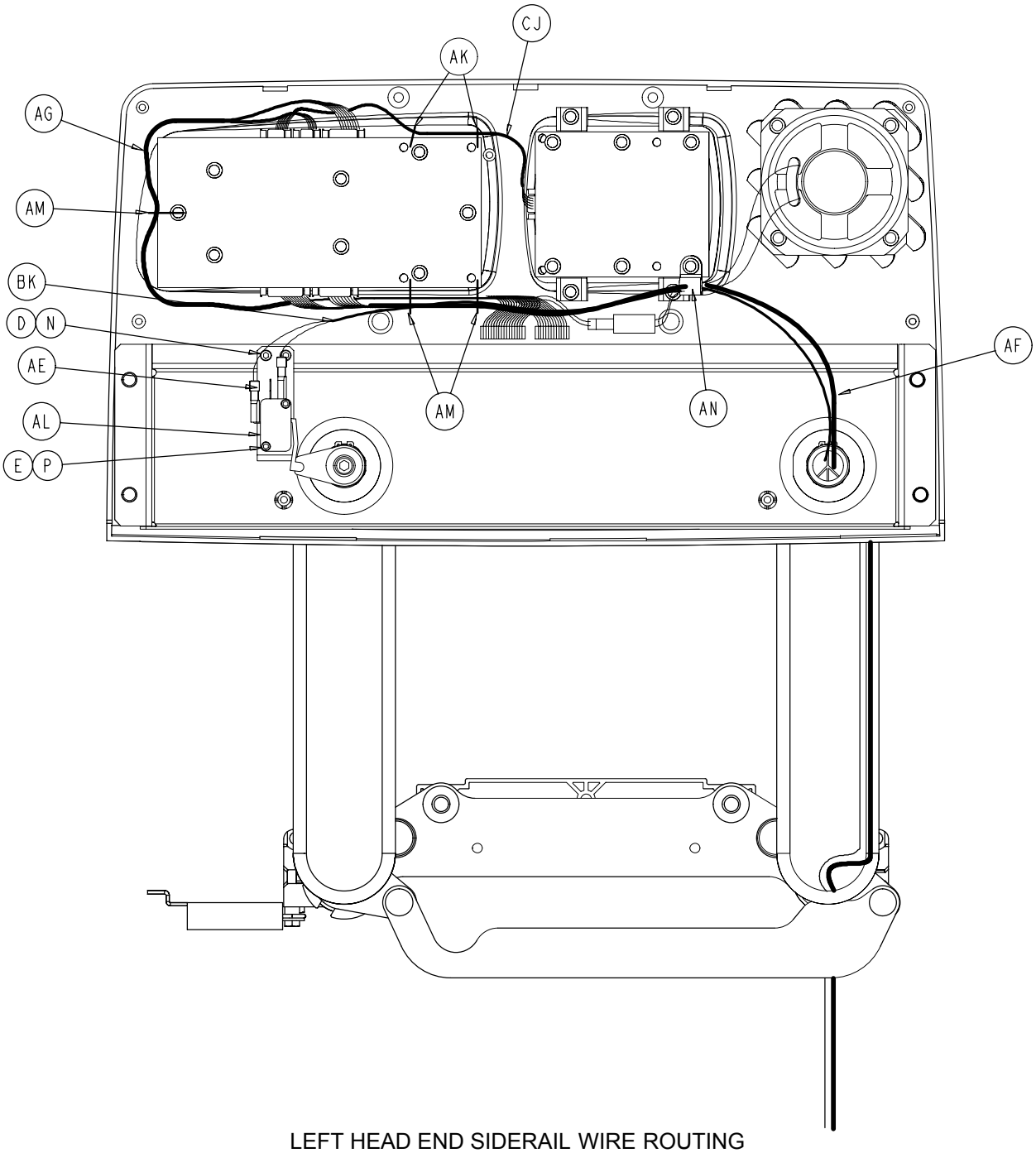
Head End Siderail Assembly, Left and Right



Head End Siderail Assembly, Left and Right

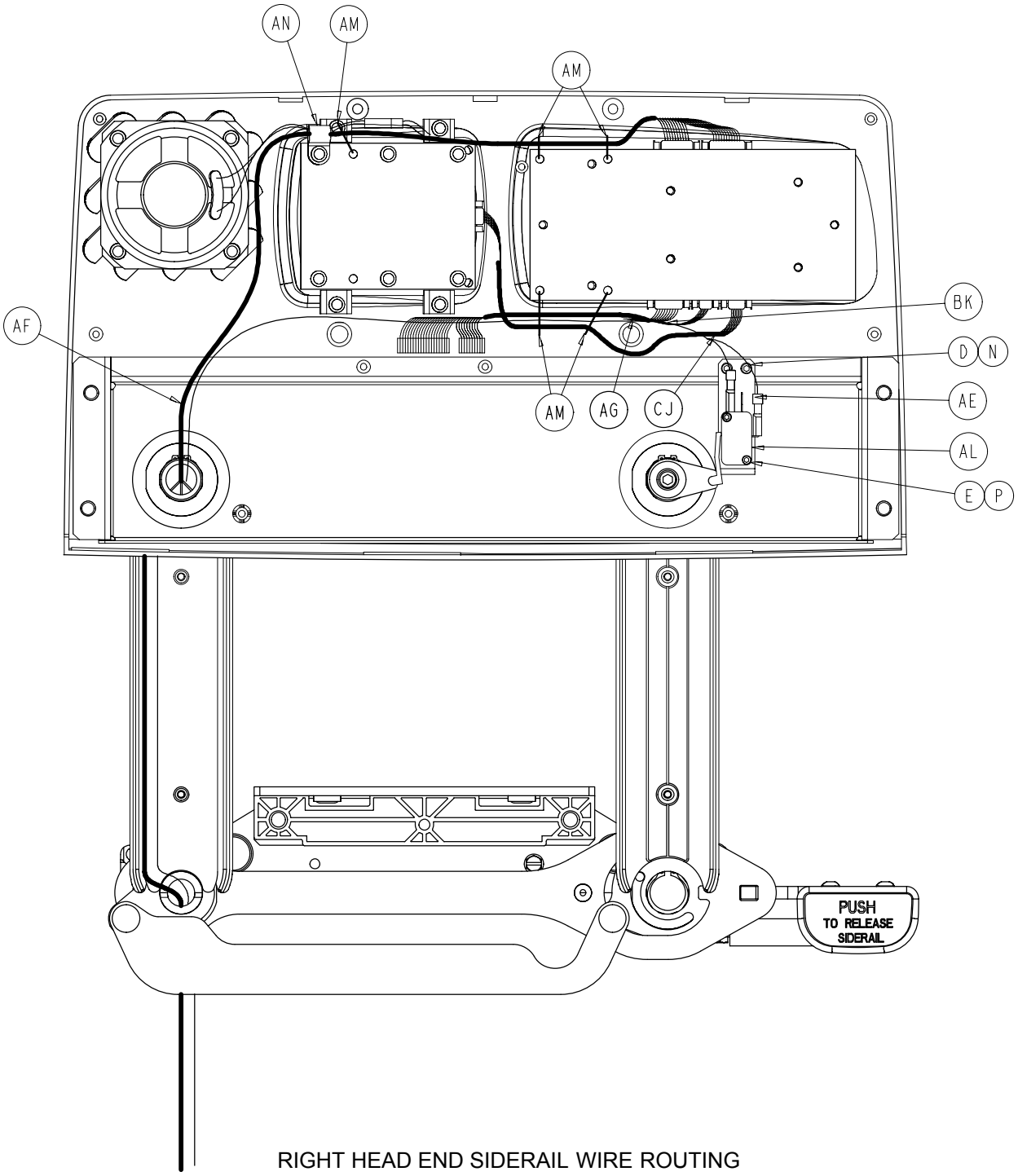


Head End Siderail Assembly, Left and Right



LEFT HEAD END SIDERAIL WIRE ROUTING

Head End Siderail Assembly, Left and Right



RIGHT HEAD END SIDERAIL WIRE ROUTING

Head End Siderail Assembly, Left and Right

2030-401-105 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 10-72)	Release Lever Ass'y, Left	1
G	11-343	Shim Washer	3
H	11-377	Washer	2
J	11-491	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	23-88	High-Low Tapping Screw	1
S	23-90	High-Low Tapping Screw	8
T	23-112	High-Low Tapping Screw	16
U	1-72	Ph. Flat Hd. Mach. Screw	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	2030-401-127	Arm Wldmt., Lt., Hd., Ft.	1
AC	2035-20-60	Limit Switch Cam	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	3001-401-128	Arm Wldmt., Lt., Hd., Hd.	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	SIderail Spacer	4
BF	2035-400-570	Glide Rod	2
BJ	3002-400-505	Bypass Pin	1
BM	3002-400-511	Glide Rod Bumper Pad	1
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	3001-400-619	Outer Arm Cover	2
BX	30-40	Grommet	2

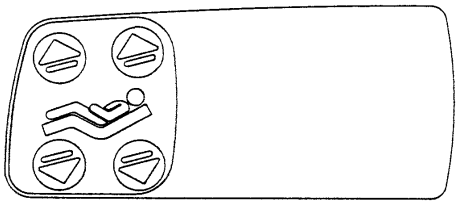
2030-401-205 Right Standard Components

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 10-73)	Release Lever Ass'y, Right	1
G	11-343	Shim Washer	3
H	11-377	Washer	2
J	11-491	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	23-88	High-Low Tapping Screw	1
S	23-90	High-Low Tapping Screw	8
T	23-112	High-Low Tapping Screw	16
U	1-72	Ph. Flat Hd. Mach. Screw	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	2030-401-227	Arm Wldmt., Rt., Hd., Ft.	1
AC	2035-20-60	Limit Switch Cam	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	3001-401-228	Arm Wldmt., Rt., Hd., Hd.	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	SIderail Spacer	4
BF	2035-400-570	Glide Rod	2
BJ	3002-400-505	Bypass Pin	1
BM	3002-400-511	Glide Rod Bumper Pad	1
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	3001-400-619	Outer Arm Cover	2
BX	30-40	Grommet	2

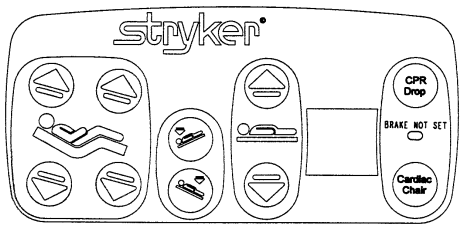
Head End Siderail Assembly, Left and Right

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



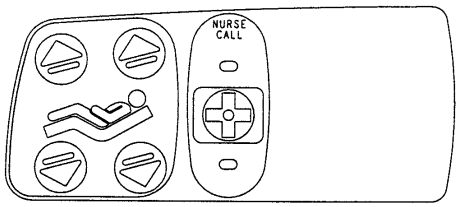
Right Inner Siderail Label



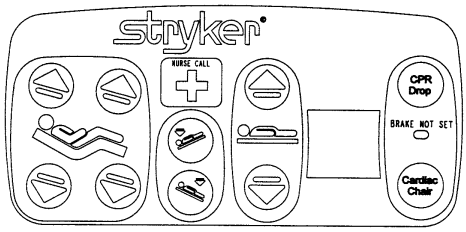
Right Outer Siderail Label

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



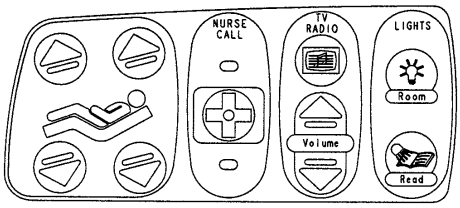
Right Inner Siderail Label



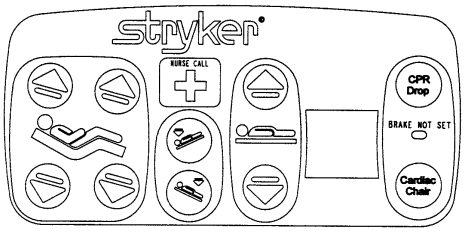
Right Outer Siderail Label

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

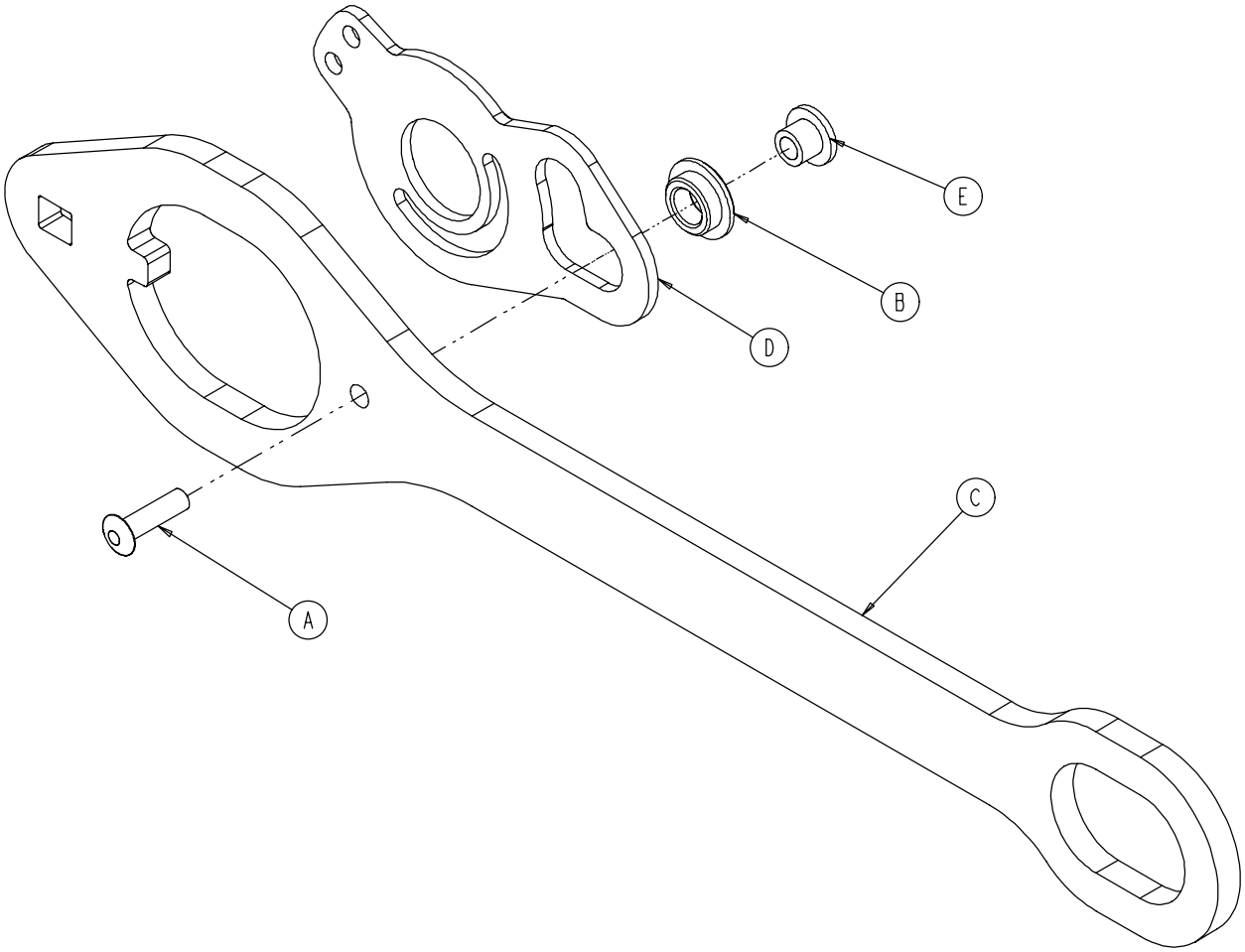


Right Inner Siderail Label



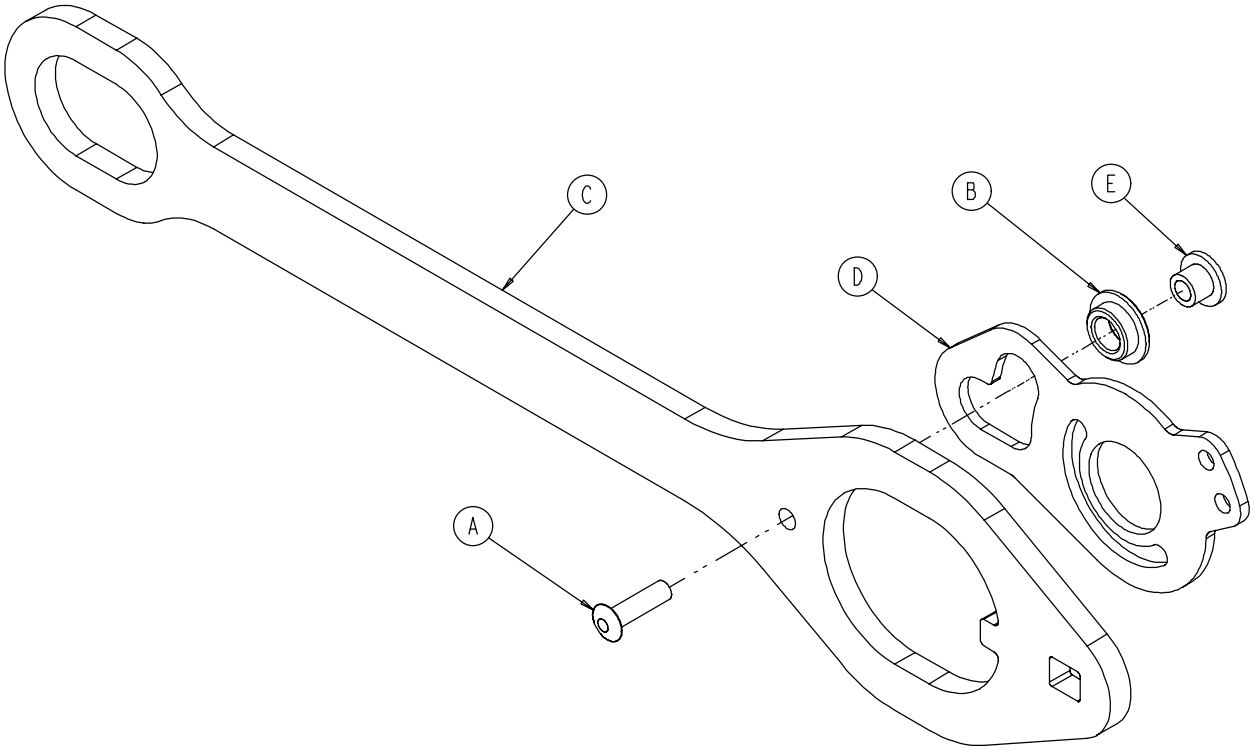
Right Outer Siderail Label

3002-400-70 Siderail Latch Assembly, Head End, Left



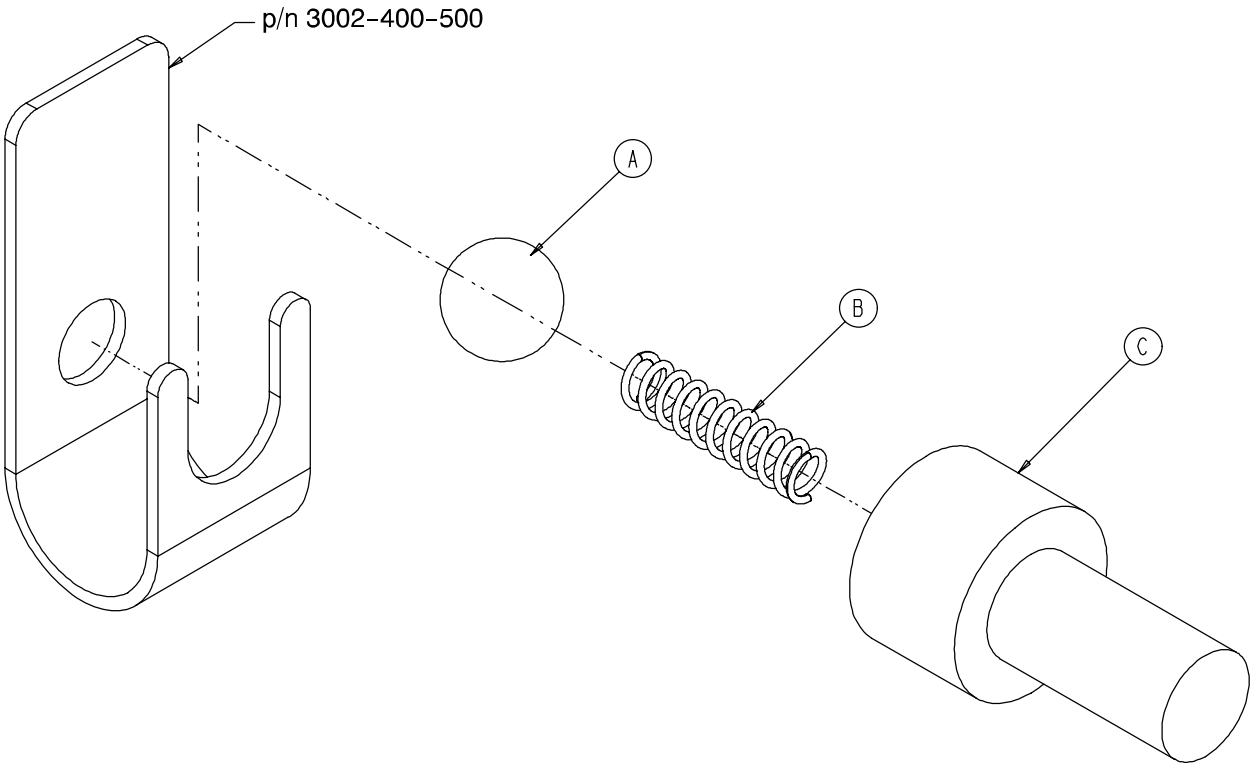
Item	Part No.	Part Name	Qty.
A	25-86	Blind Rivet	1
B	81-317	Bronze Bushing	1
C	3002-400-501	Latch	1
D	3002-400-503	Head End Bypass Plate	1
E	3002-400-509	Bypass Bushing Spacer	1

3002-400-75 Siderail Latch Assembly, Head End, Right



Item	Part No.	Part Name	Qty.
A	25-86	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

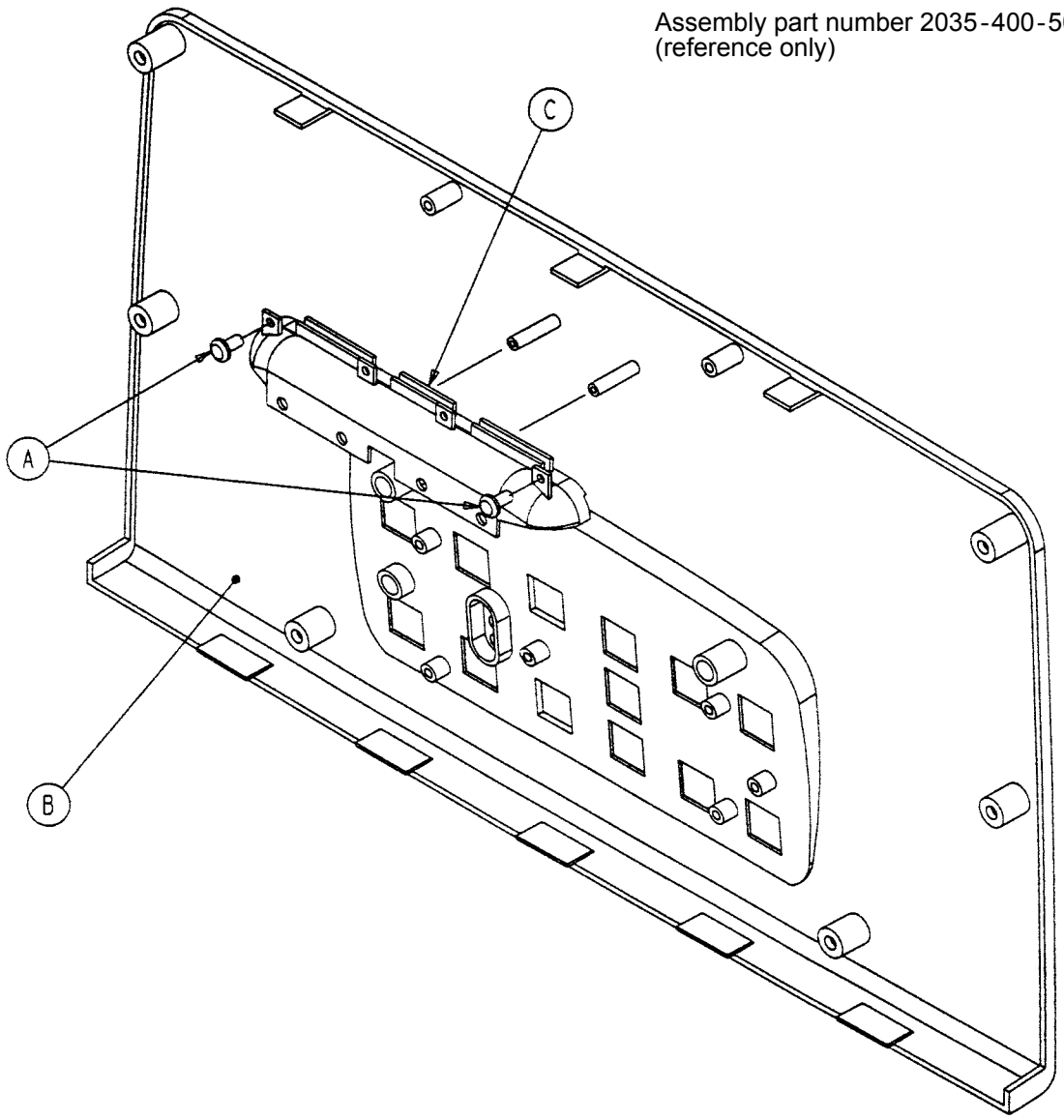
3002-400-90 Siderail Bypass Detent Clip Assembly



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

Assembly part number 2035-400-50
(reference only)

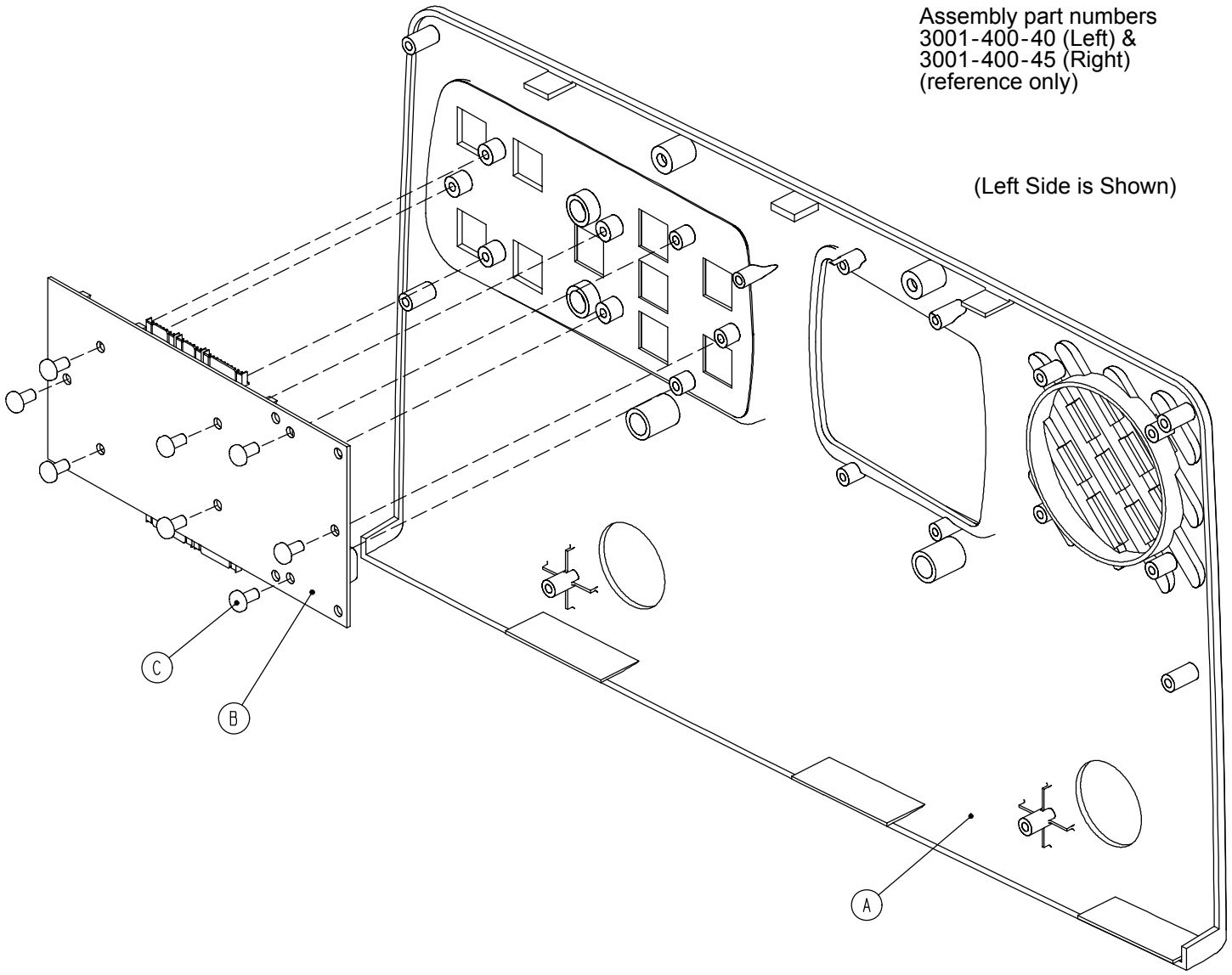


Item	Part No.	Part Name	Qty.
A	23-112	Hi-Low Tapping Screw	2
B	2035-400-102	Outer Panel	1
C	3001-400-599	Handle Insert	1

Siderail Inner Panel Assembly

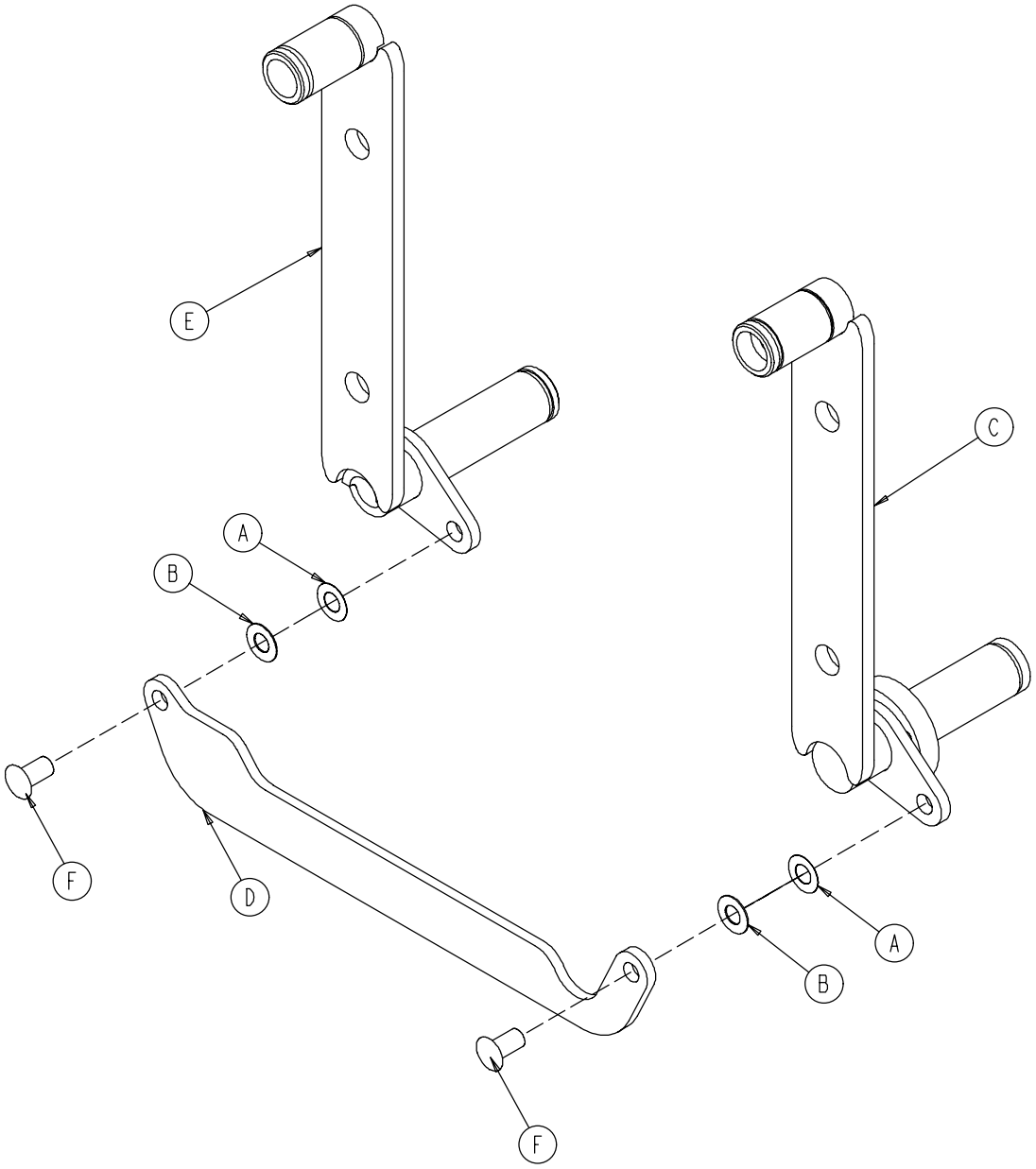
Assembly part numbers
3001-400-40 (Left) &
3001-400-45 (Right)
(reference only)

(Left Side is Shown)



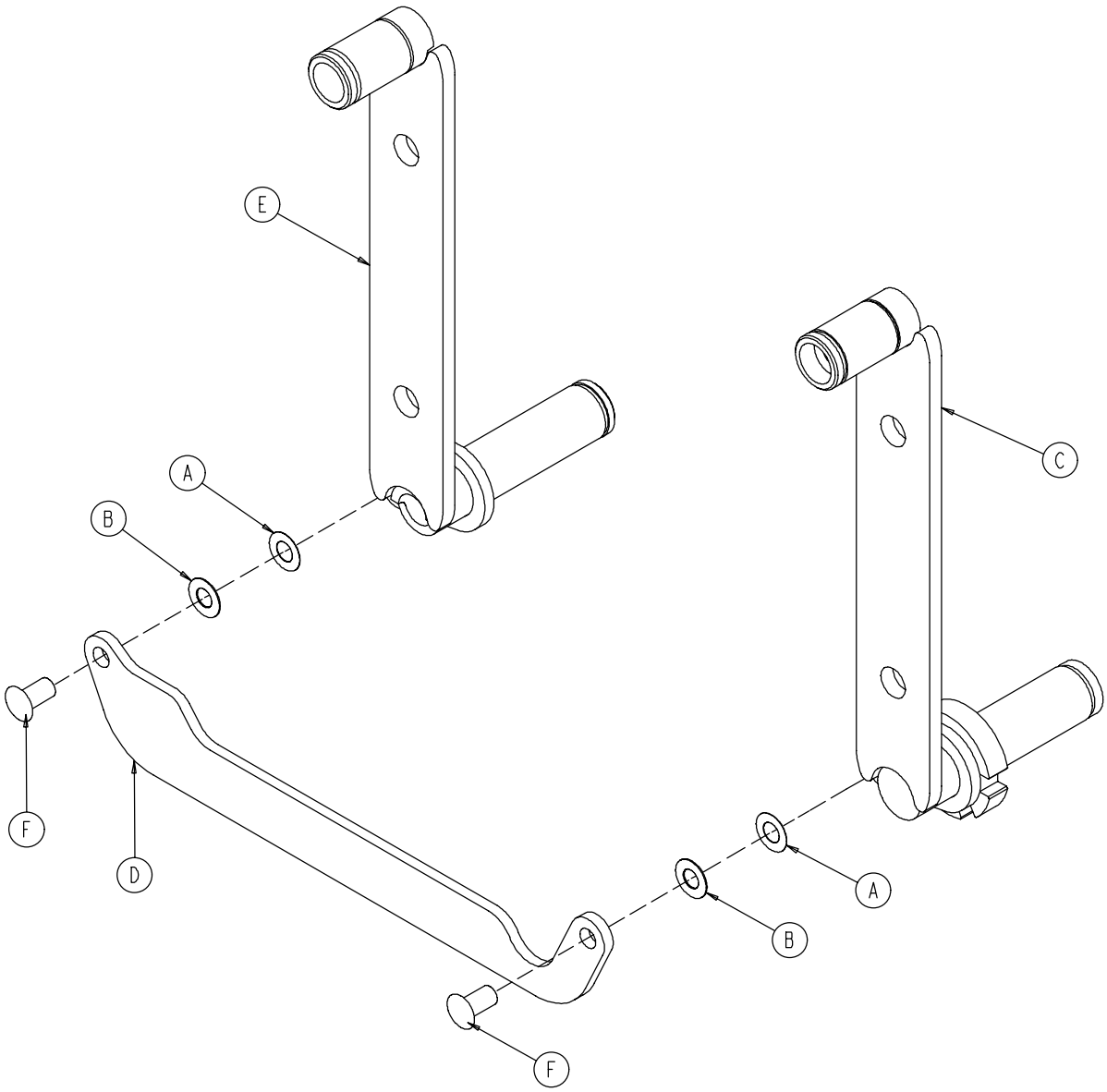
Item	Part No.	Part Name	Qty.
A	3001-400-101	Left Inner Panel	1
	3001-400-201	Right Inner Panel	1
B	3001-400-900	Inner Siderail PCB Assembly	1
C	23-112	Hi-Low Tapping Screw	8

2030-401-128 Head End Siderail Timing Link, Left



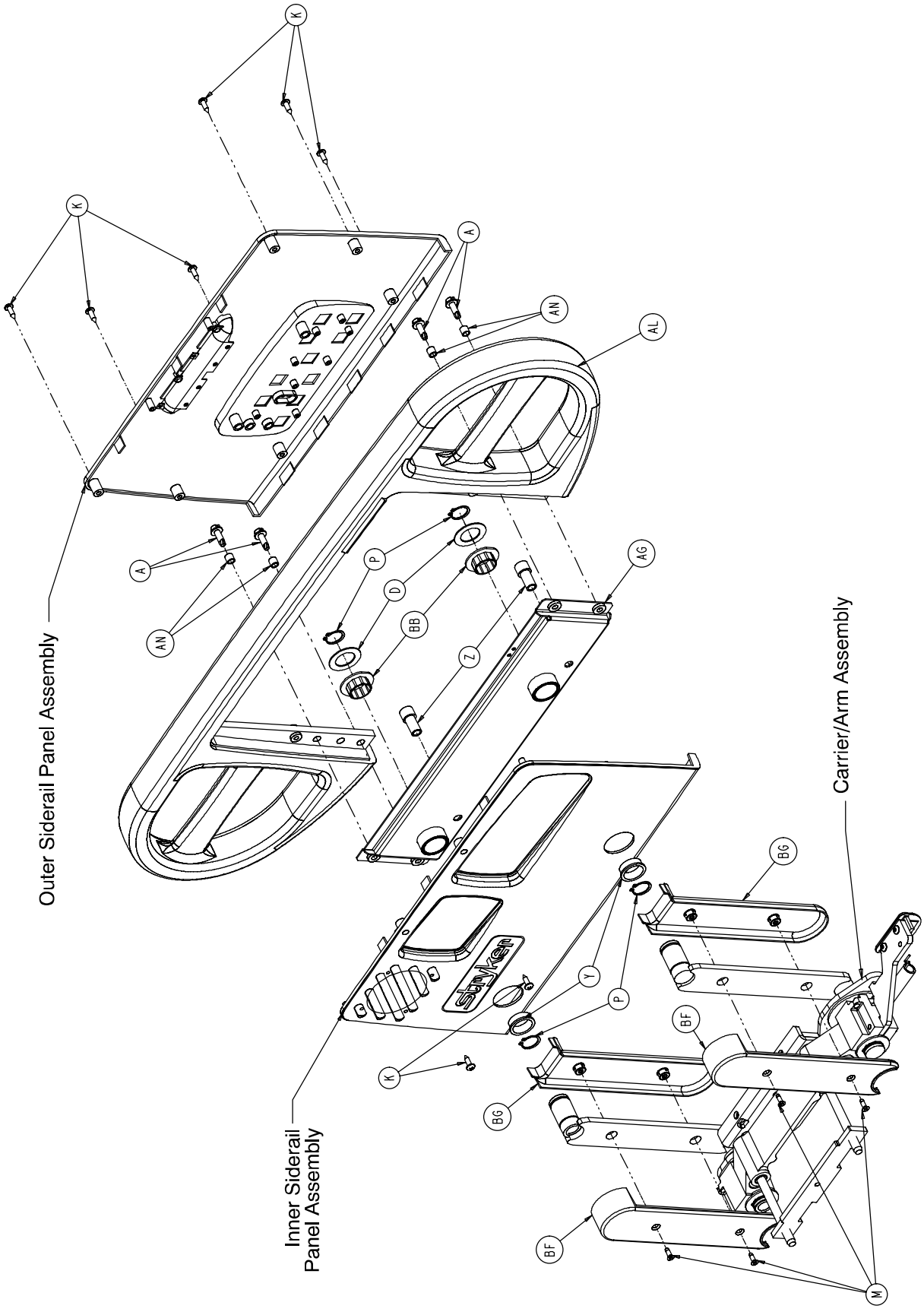
Item	Part No.	Part Name	Qty.
A	11-377	Washer	2
B	11-403	Shim Washer	2
C	2030-401-127	Arm Weldment, Lt., Hd., Ft.	1
D	3001-400-11	Head End Timing Link	1
E	3001-401-128	Arm Weldment, Lt., Hd., Hd.	1
F	3001-400-501	Siderail Linkage Rivet	2

2030-401-228 Head End Siderail Timing Link, Right

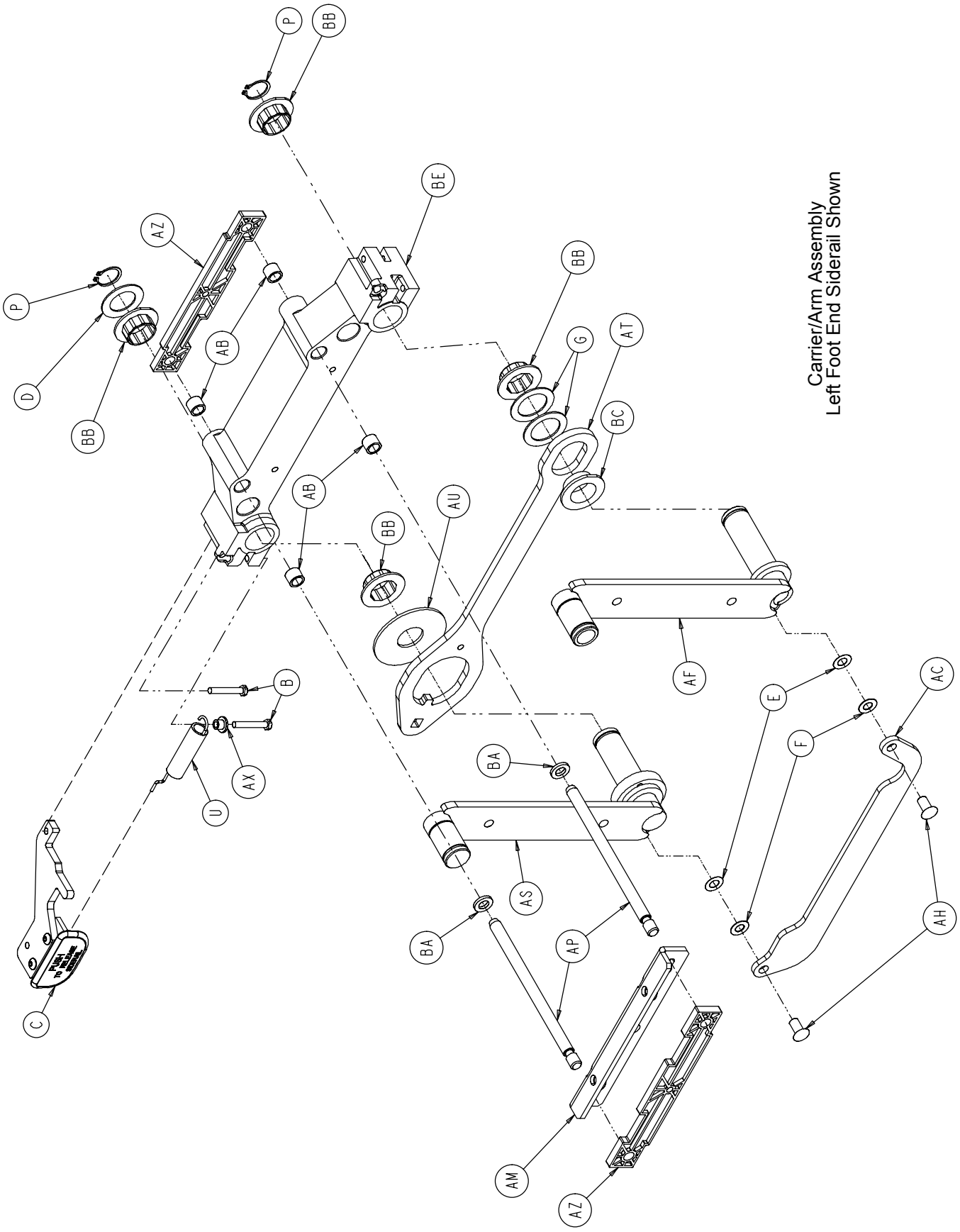


Item	Part No.	Part Name	Qty.
A	11-377	Washer	2
B	11-403	Shim Washer	2
C	2030-401-227	Arm Weldment, Rt., Hd., Ft.	1
D	3001-400-11	Head End Timing Link	1
E	3001-401-228	Arm Weldment, Rt., Hd., Hd.	1
F	3001-400-501	Siderail Linkage Rivet	2

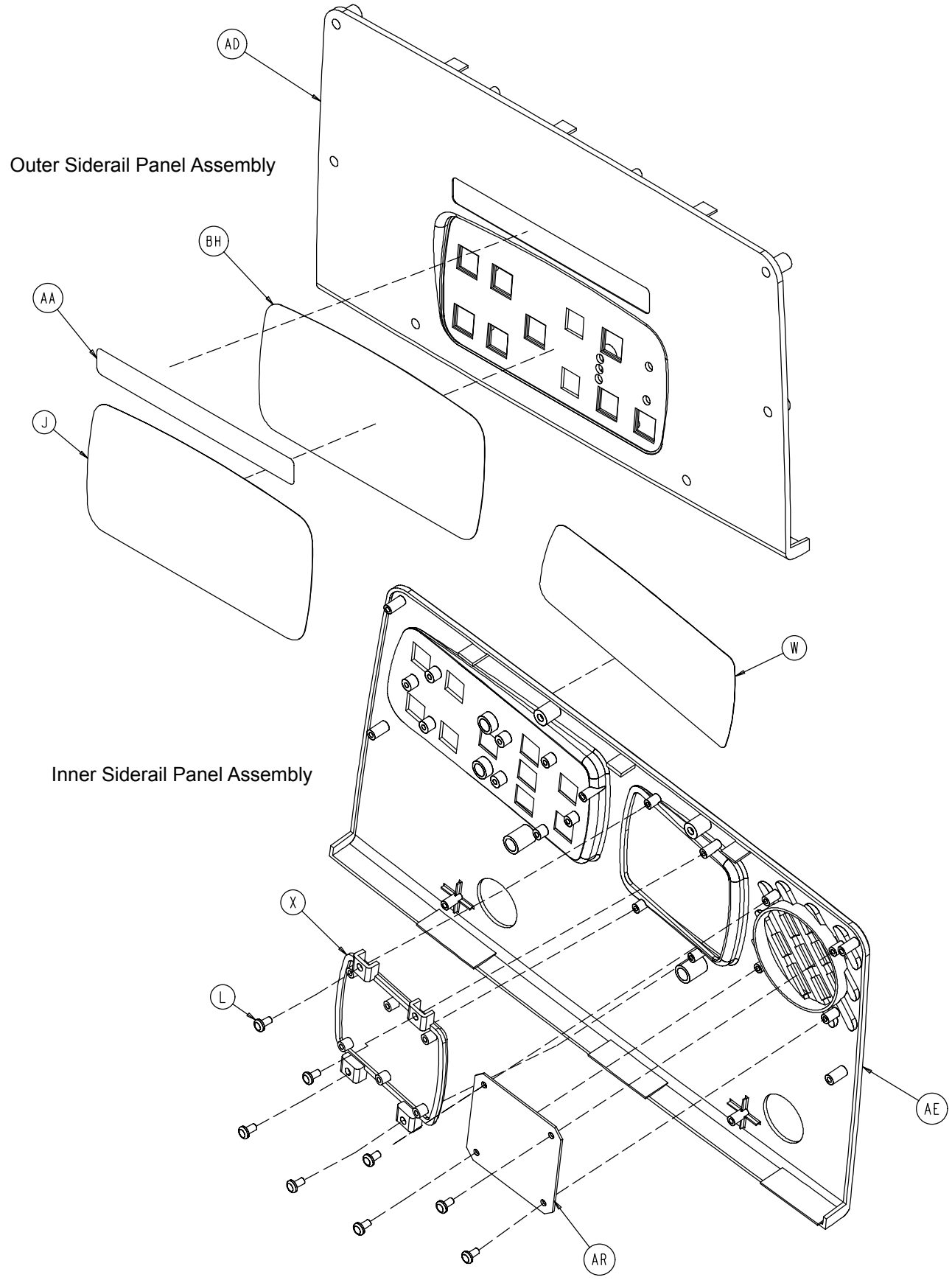
Foot End Siderail Assembly, Left and Right



Foot End Siderail Assembly, Left and Right



Foot End Siderail Assembly, Left and Right



Foot End Siderail Assembly, Left and Right

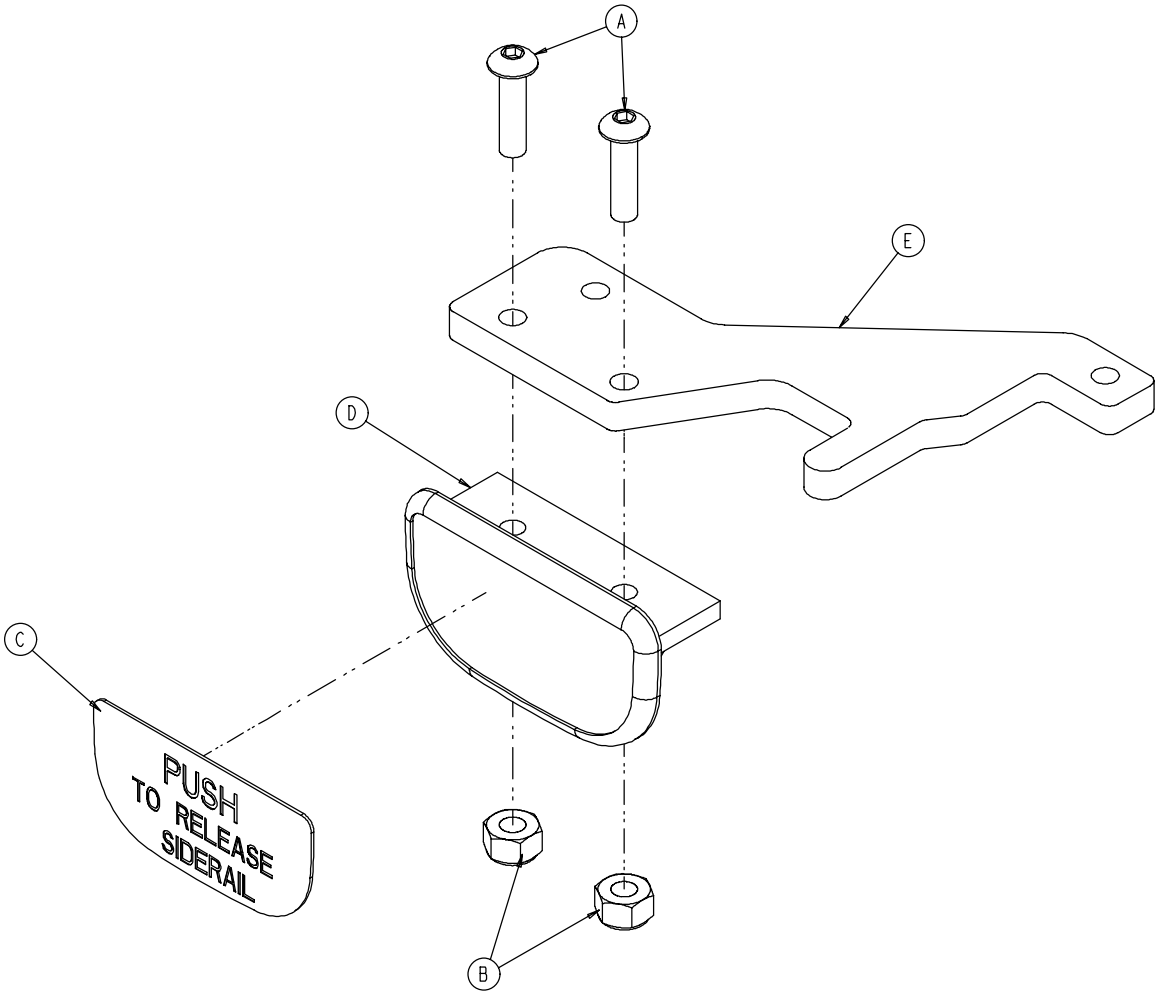
2030-401-305 Left Common Components

Item	Part No.	Part Name	Qty.
A	3-226	Hex Washer Hd. Screw	4
B	3-344	Hex Hd. Cap Screw	2
C	(page 10-72)	Release Lever Ass'y, Lt.	1
D	11-343	Shim Washer	3
E	11-377	Washer	2
F	11-491	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	1-72	Ph. Flat Hd. Mach. Screw	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	3001-401-228	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	2030-401-327	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	3001-400-619	Outer Arm Cover	2
BH	2030-231-9	Blank Backing Label	1

2030-401-405 Right Common Components

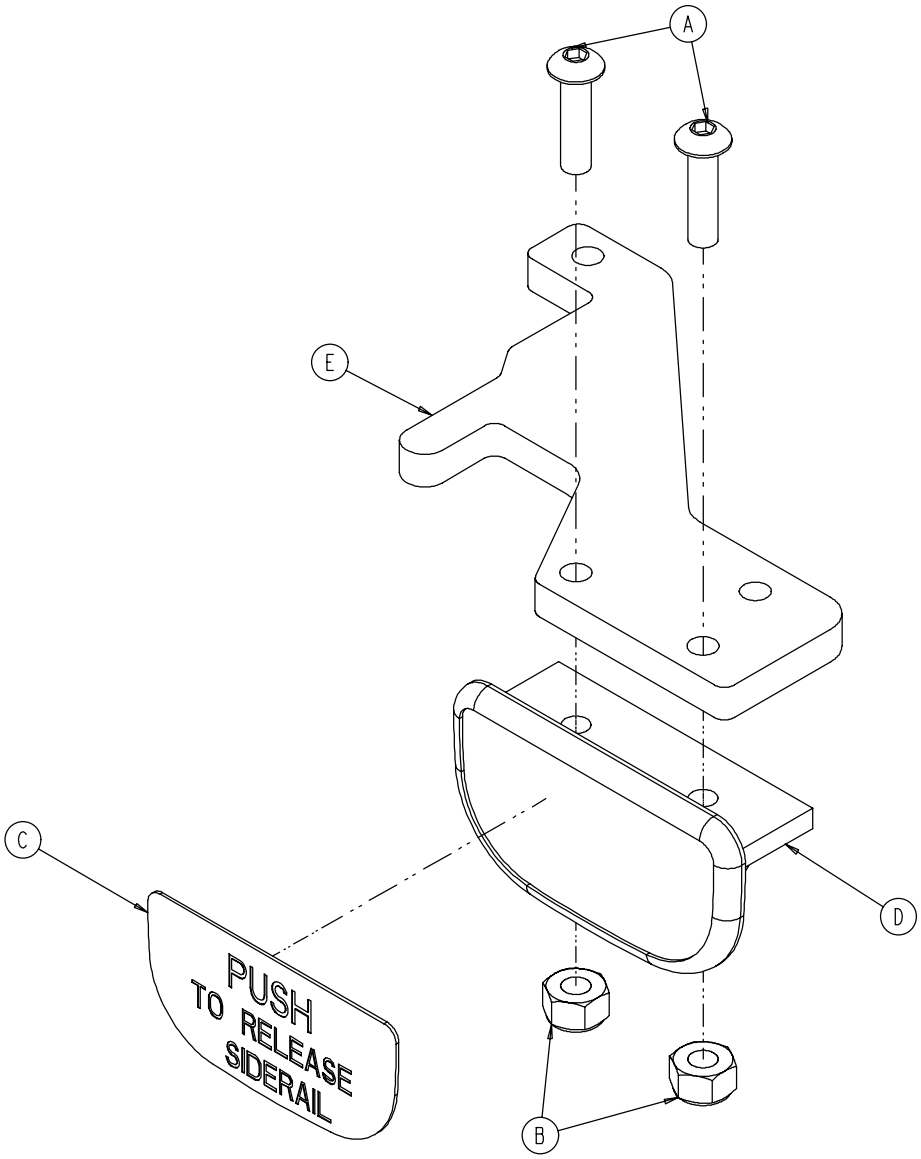
Item	Part No.	Part Name	Qty.
A	3-226	Hex Washer Hd. Screw	4
B	3-344	Hex Hd. Cap Screw	2
C	(page 10-73)	Release Lever Ass'y, Rt.	1
D	11-343	Shim Washer	3
E	11-377	Washer	2
F	11-491	Steel Shim Washer	2
G	14-93	Washer	2
J	2030-231-8	Outside Label	1
K	23-90	Pan Hd. Tapping Screw	8
L	23-112	Pan Hd. High-Low Tap. Scr.	8
M	1-72	Ph. Flat Hd. Mach. Screw	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	3001-401-128	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	2030-401-427	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	3001-400-619	Outer Arm Cover	2
BH	2030-231-9	Blank Backing Label	1

3002-400-55 Siderail Release Lever Assembly, Left



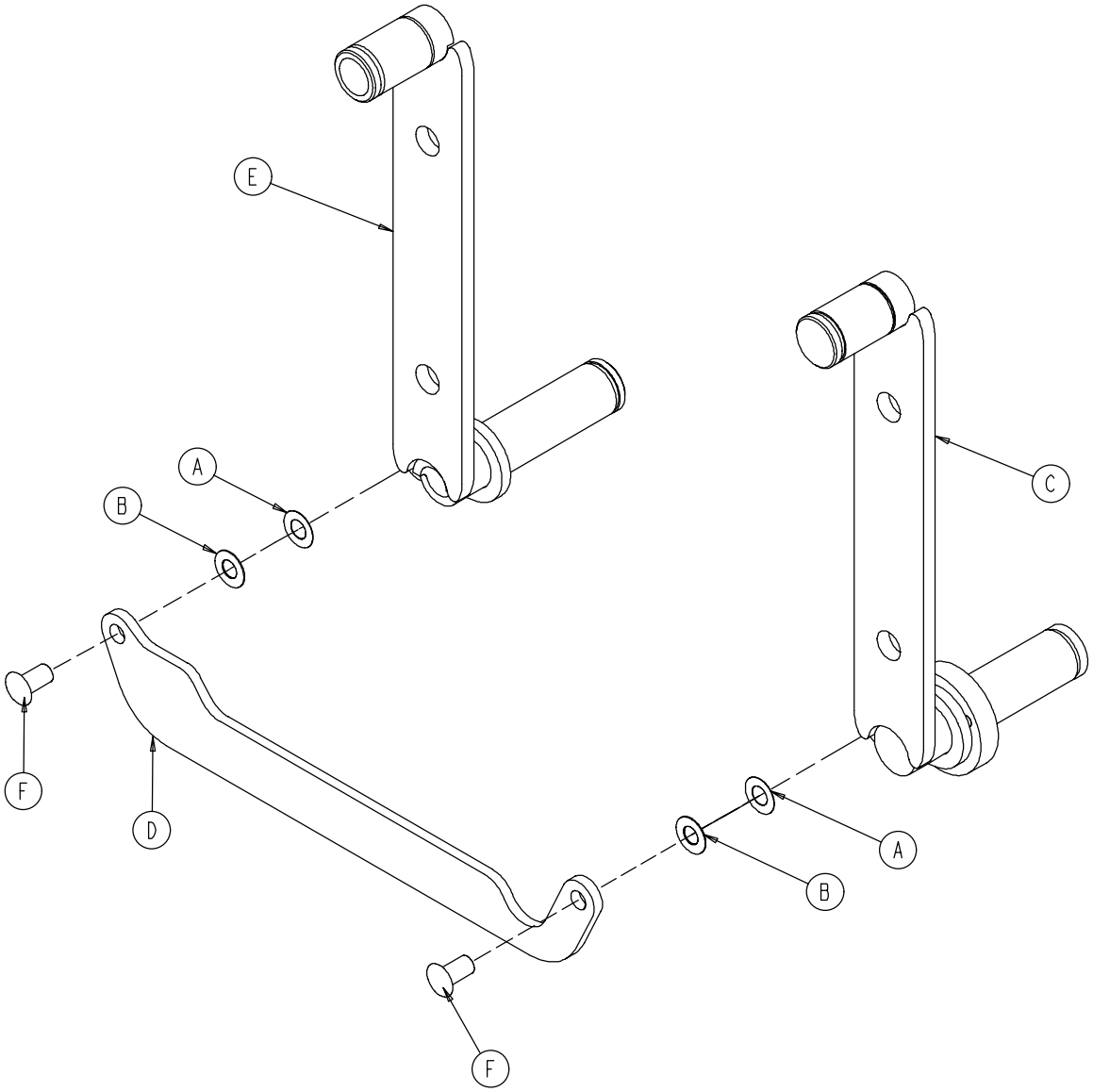
Item	Part No.	Part Name	Qty.
A	4-278	Socket But. Hd. Cap Screw	2
B	16-2	Hex Nut	2
C	3001-400-505	Release Label	1
D	3001-400-514	Release Lever Pad	1
E	3002-400-510	Release Lever	1

3002-400-65 Siderail Release Lever Assembly, Right



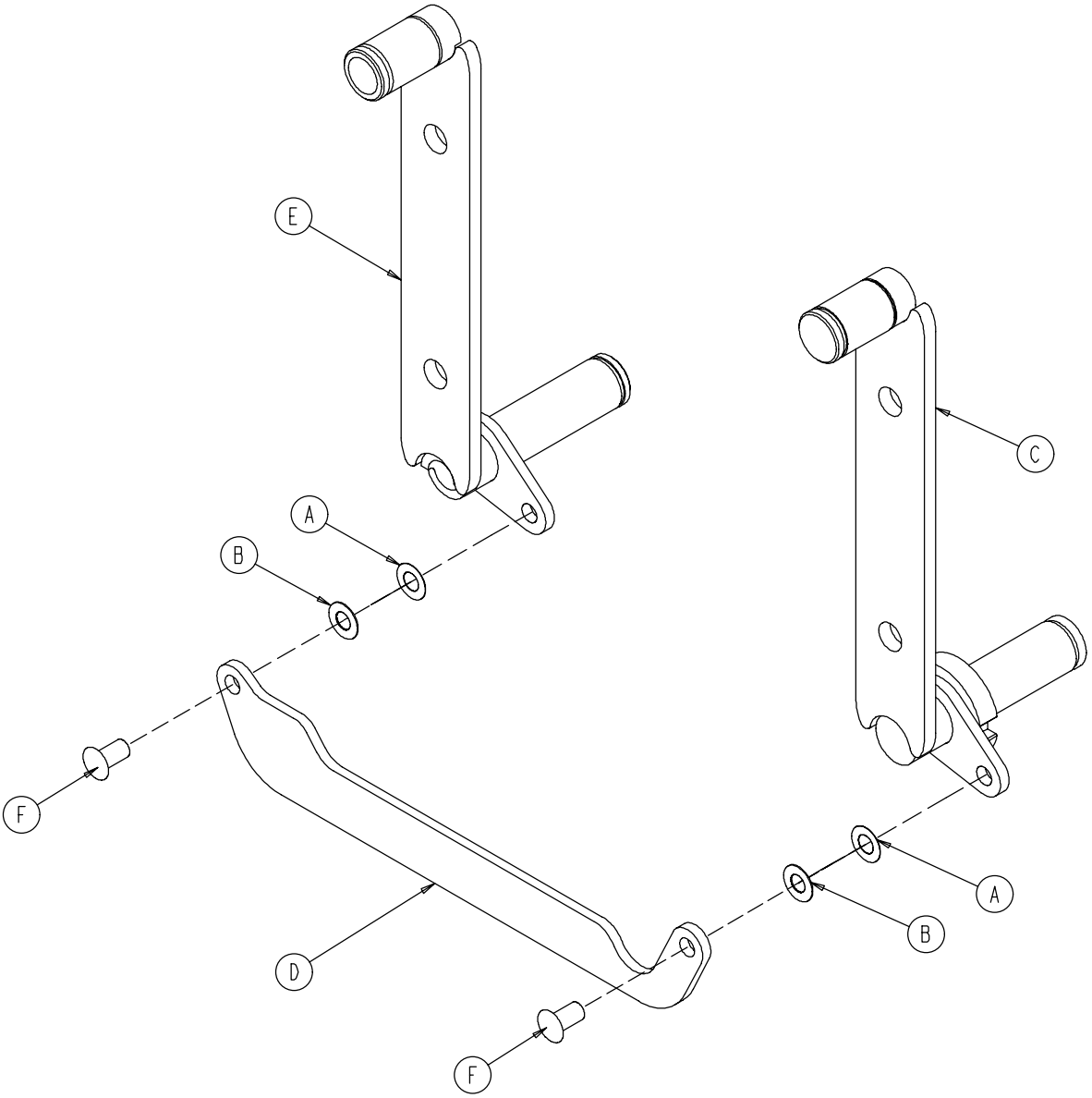
Item	Part No.	Part Name	Qty.
A	4-278	Socket But. Hd. Cap Screw	2
B	16-2	Hex Nut	2
C	3001-400-505	Release Label	1
D	3001-400-514	Release Lever Pad	1
E	3002-400-510	Release Lever	1

2030-401-328 Foot End Siderail Timing Link, Left



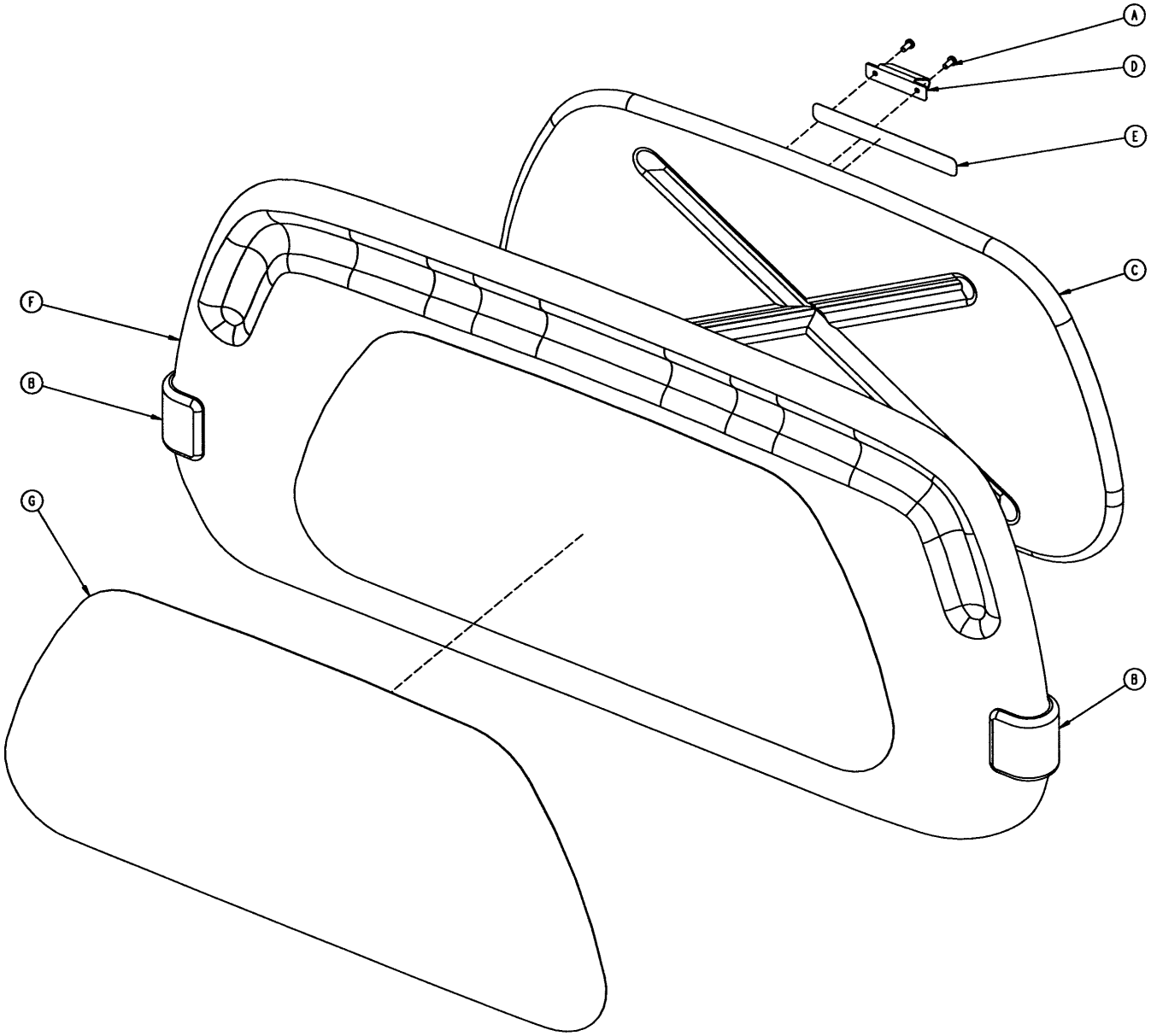
Item	Part No.	Part Name	Qty.
A	11-377	Washer	2
B	11-403	Shim Washer	2
C	2030-401-327	Arm Weldment, Lt., Ft., Ft.	1
D	3001-400-11	Head End Timing Link	1
E	3001-401-228	Arm Weldment, Rt., Hd., Hd.	1
F	3001-400-501	Siderail Linkage Rivet	2

2030-401-428 Foot End Siderail Timing Link, Right



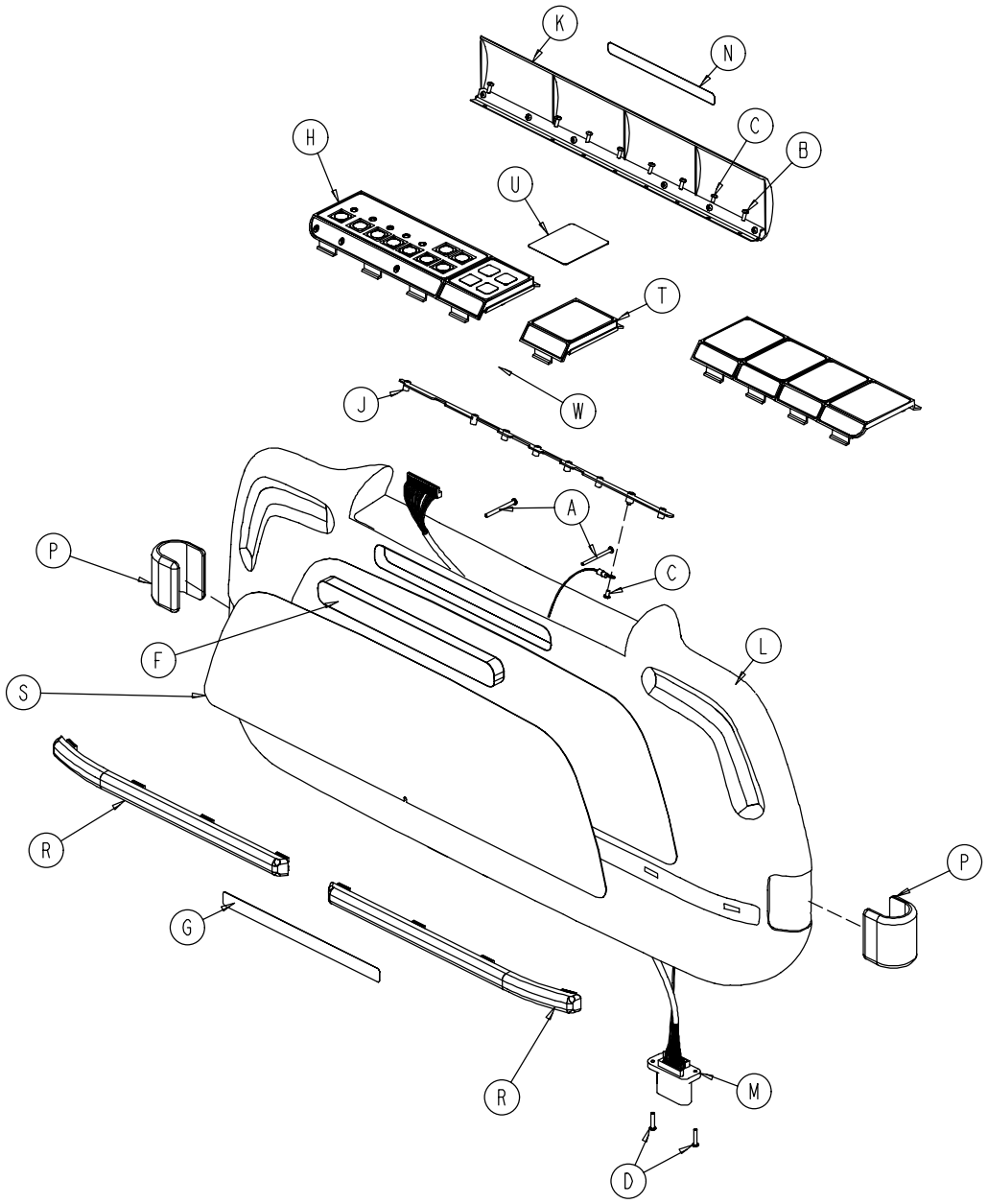
Item	Part No.	Part Name	Qty.
A	11-377	Washer	2
B	11-403	Shim Washer	2
C	2030-401-427	Arm Weldment, Rt., Ft., Ft.	1
D	3001-400-11	Head End Timing Link	1
E	3001-401-128	Arm Weldment, Lt., Hd., Hd.	1
F	3001-400-501	Siderail Linkage Rivet	2

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

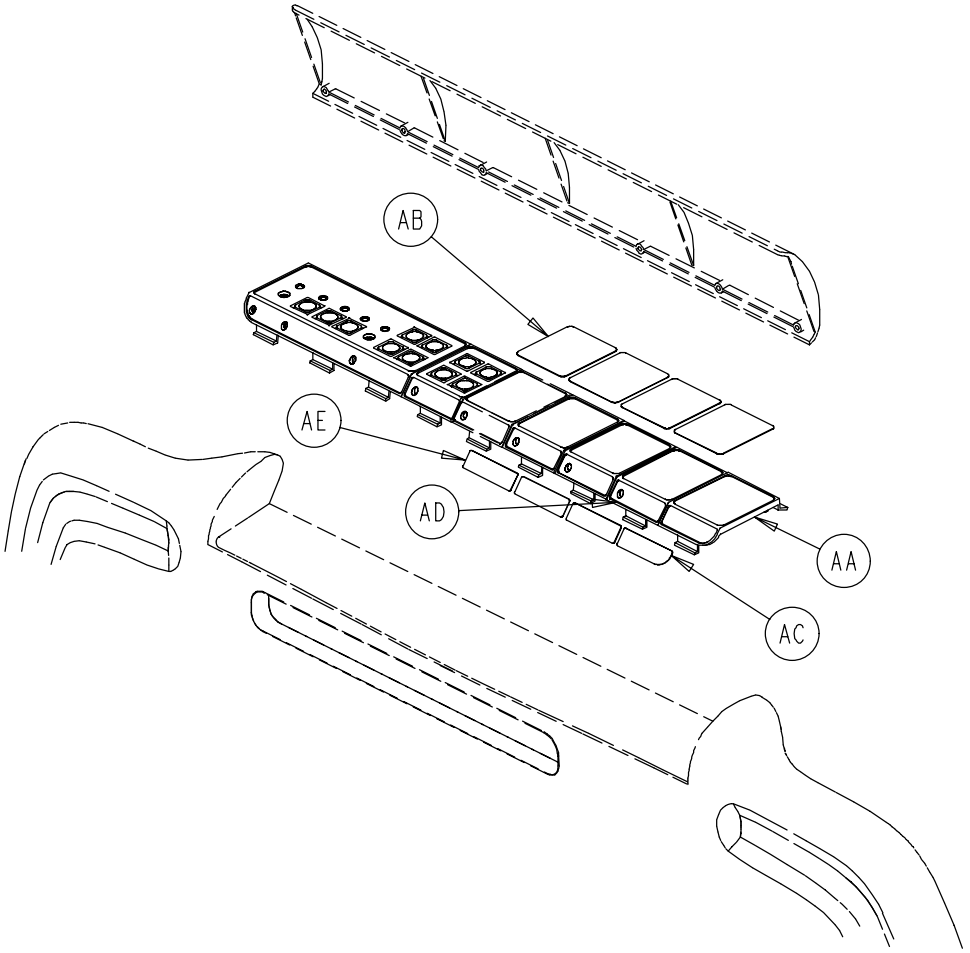
Foot Board Assembly and Options



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	23-88	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 10-83)	E-Drop/Card. Ch. Module	1
H	(page 10-82)	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				

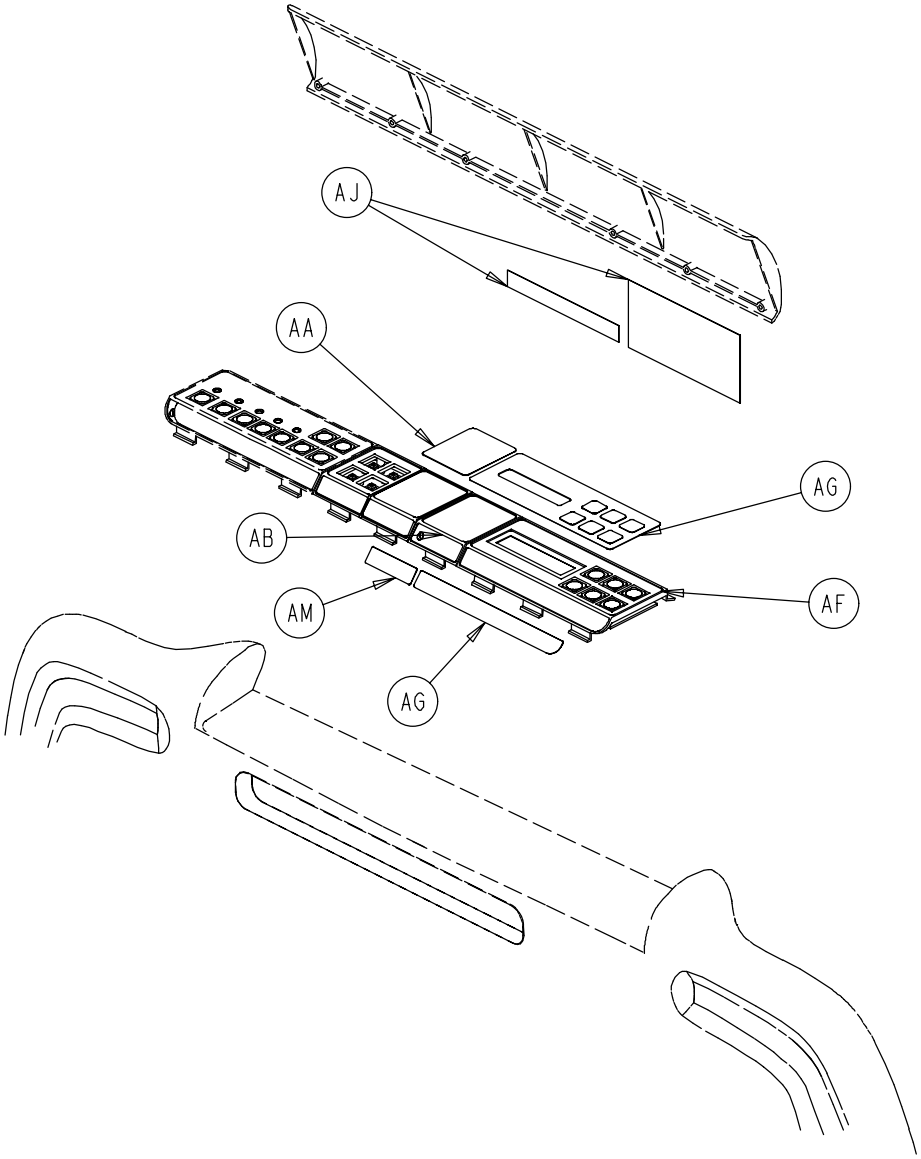
Foot Board Assembly and Options



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

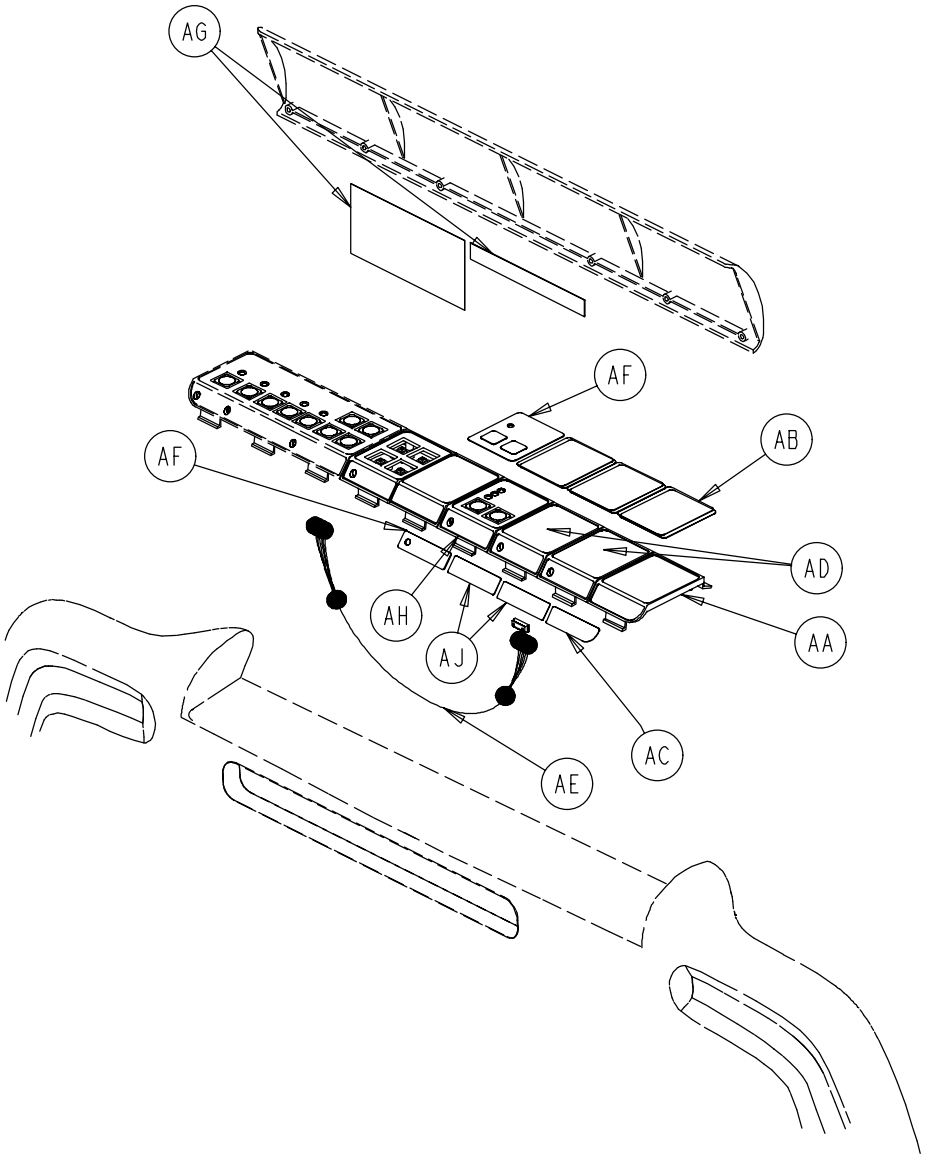
Foot Board Assembly and Options



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 10-86)	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

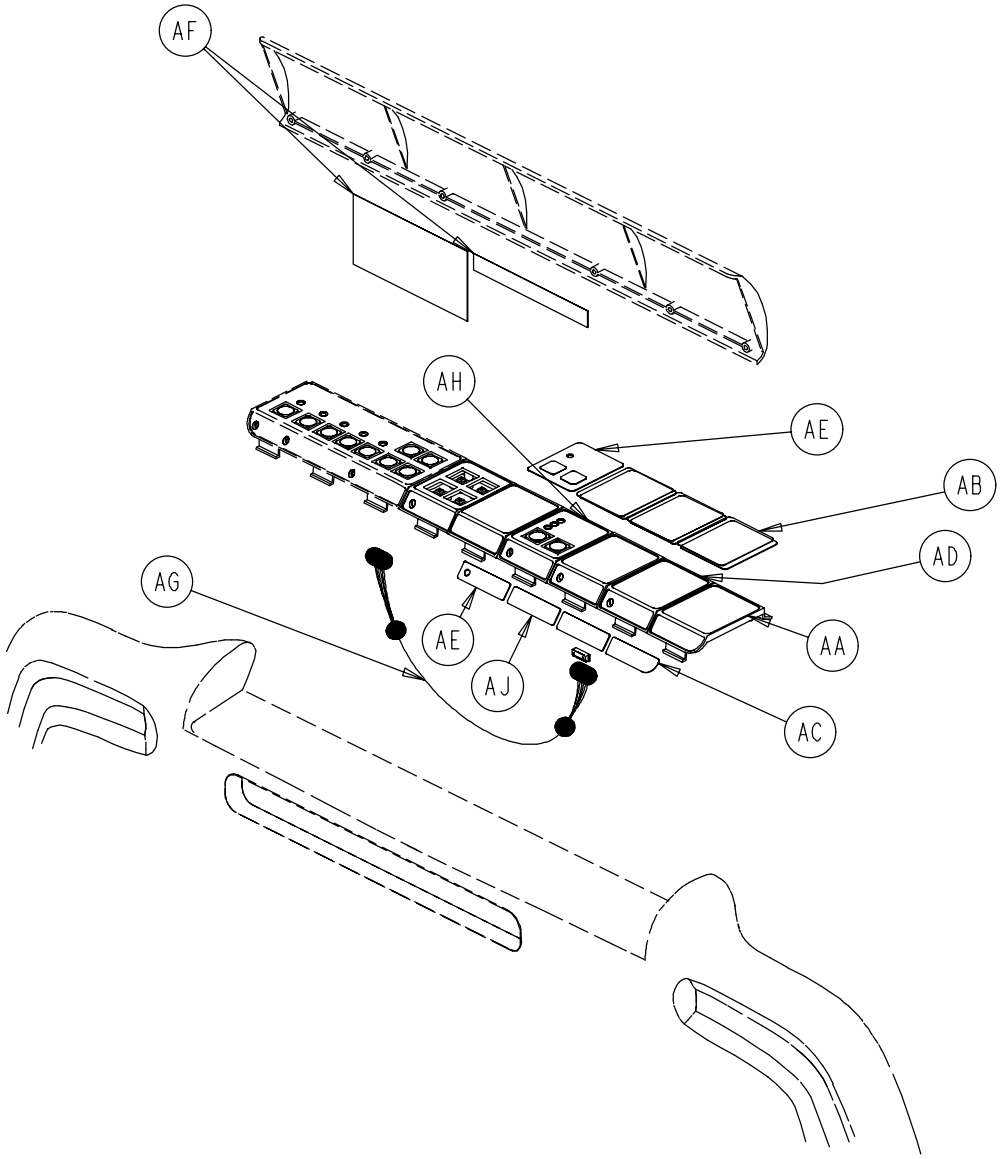
Foot Board Assembly and Options



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 10-84)	Bed Exit Module Assembly	1
AJ	3000-500-26	Blank Module Assembly	2

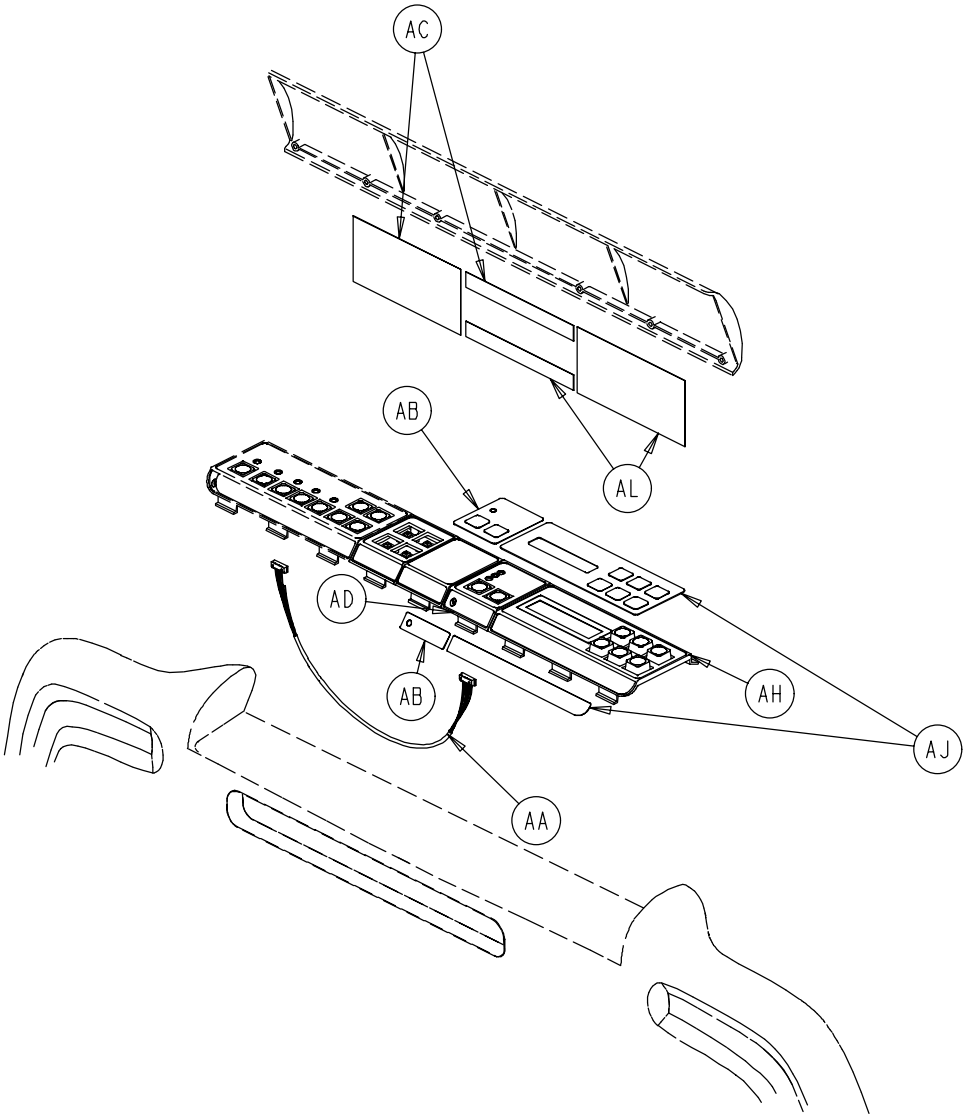
Foot Board Assembly and Options



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 10-85)	Bed Exit Module Assembly	1
AJ	3000-500-26	Blank Module Label	2

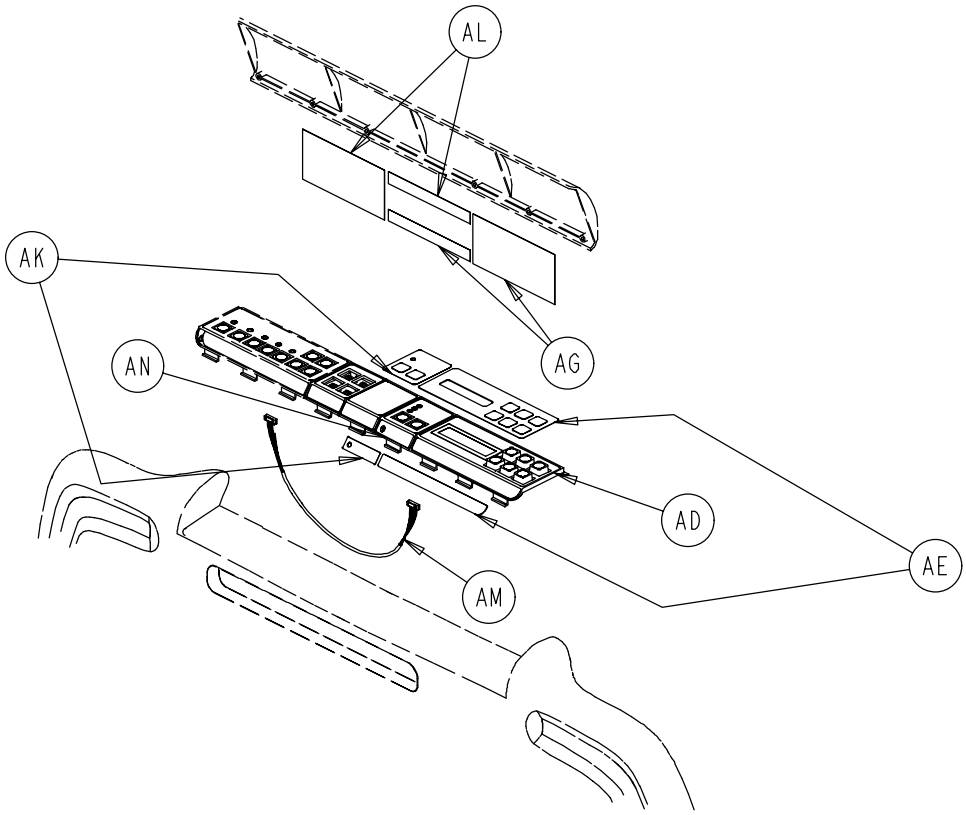
Foot Board Assembly and Options



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 10-84)	Bed Exit Module Assembly	1
AH	(page 10-86)	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

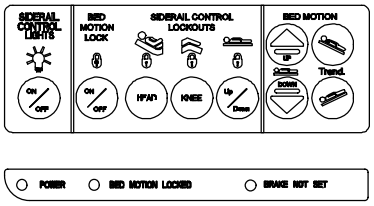


2030-135-16 Foot Board Scale and Chaperone ™ w/Zone Control Options

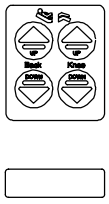
Item	Part No.	Part Name	Qty.
AD	(page 10-86)	Scale Module Assembly	1
AE	2030-000-152	Scale Module Label	1
AG	3002-507-11	Scale Lid Label	1
AK	2030-000-156	Chaperone II Module Label	1
AL	3002-508-12	Chaperone II Label	1
AM	3002-508-800	Zone Control Keypad Cable	1
AN	(page 10-84)	Bed Exit Module Assembly	1

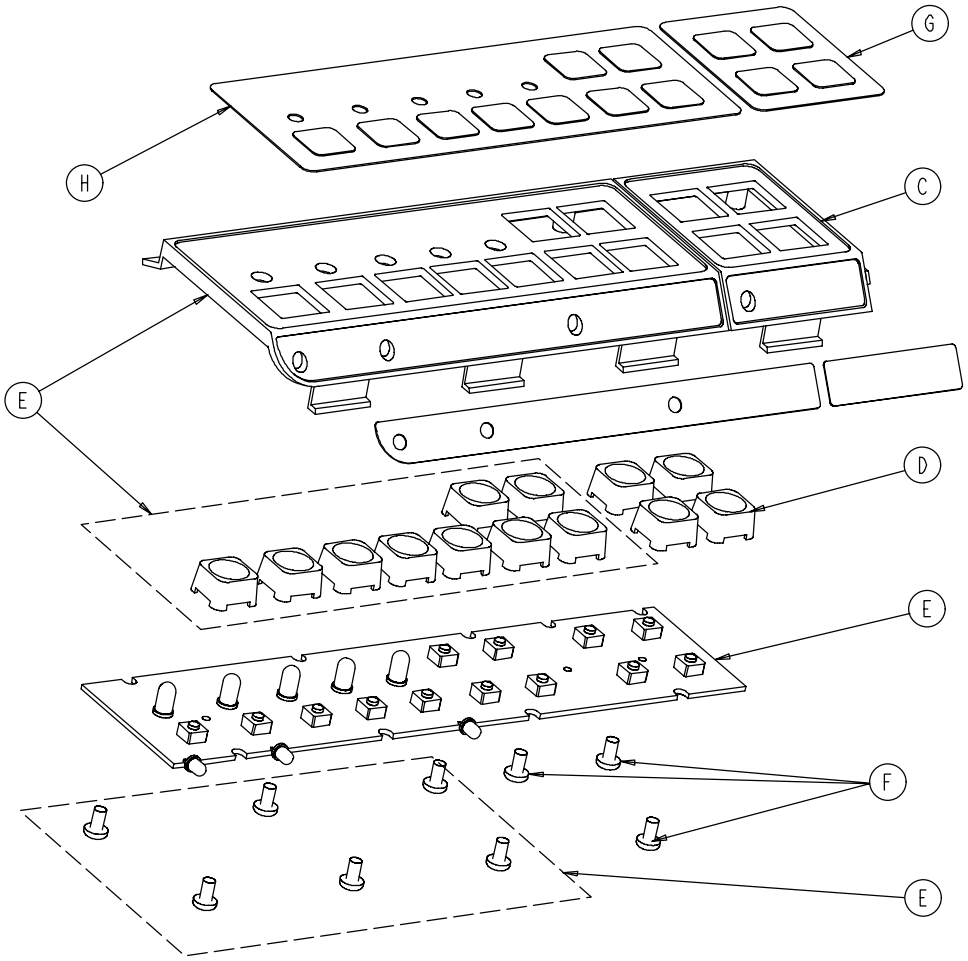
2035-235-20 Foot Board Main Module Assembly

part number 2030-000-151



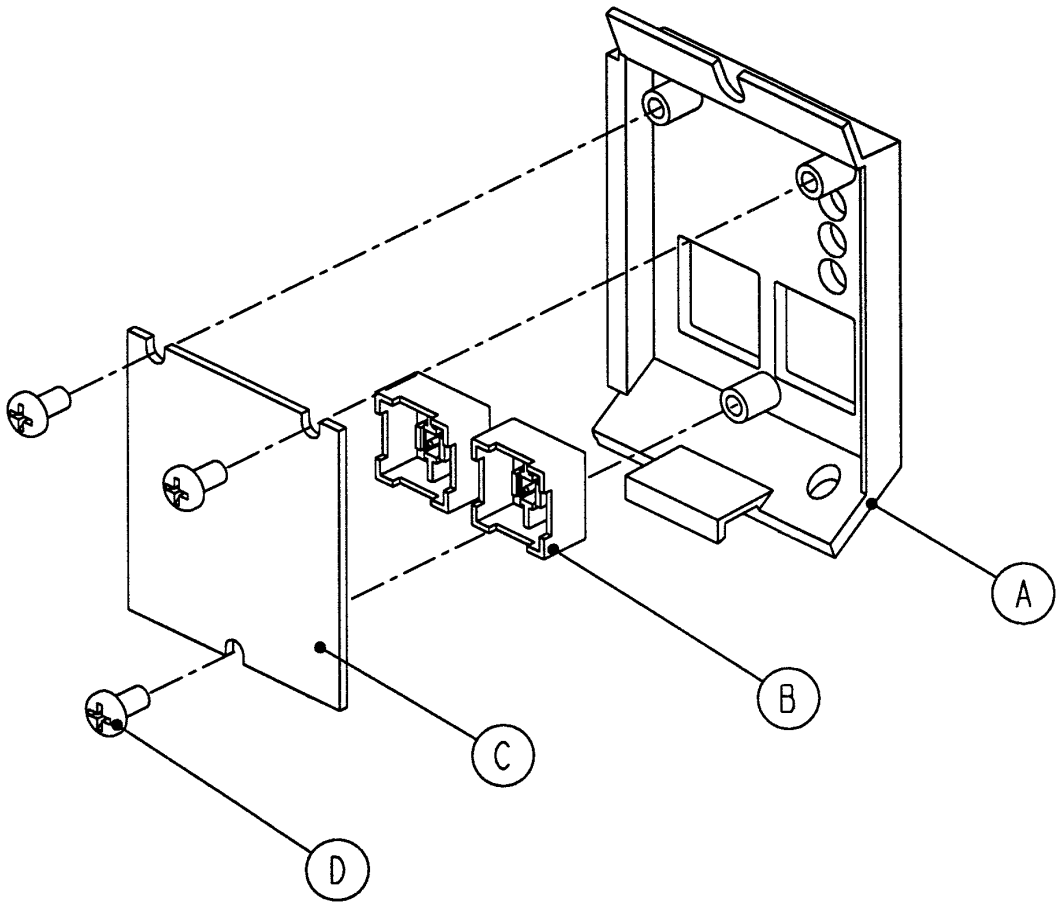
part number 2035-000-153





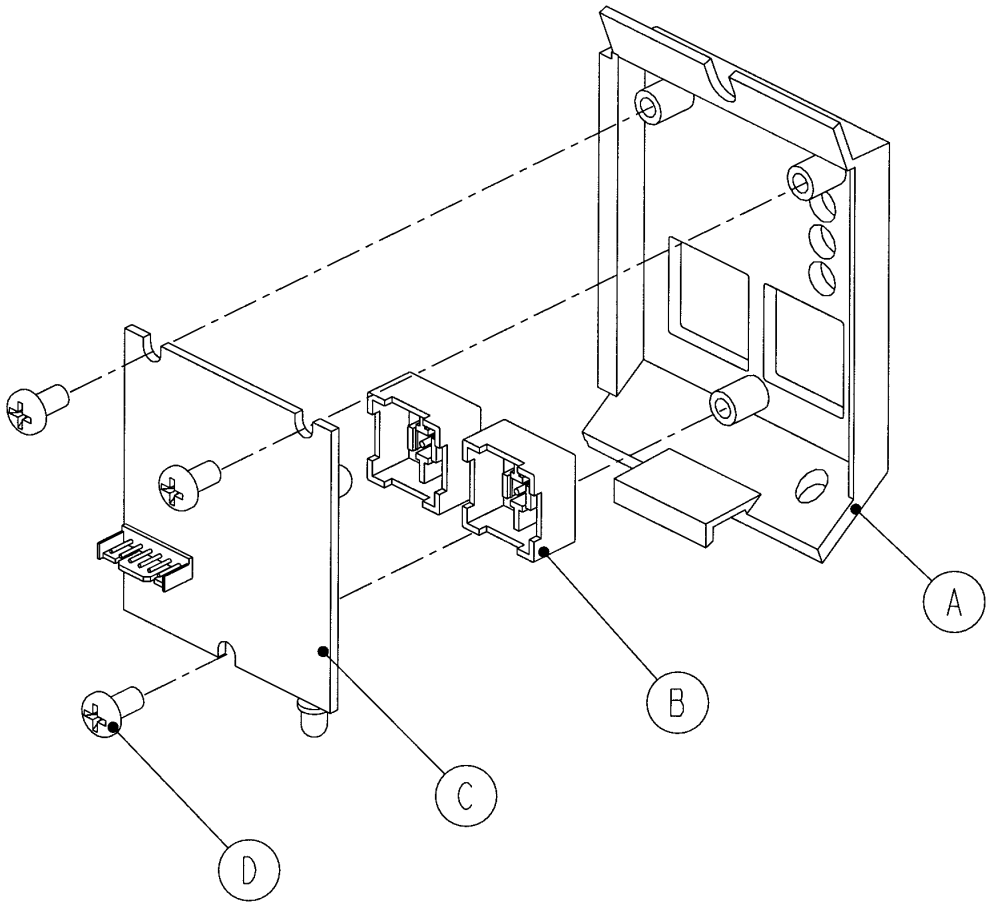
Item	Part No.	Part Name	Qty.
C	3000-501-1	Gatch/Fowler Module	1
D	3001-400-953	Switch Cap	4
E	3001-500-28	Foot Board Std. Module	1
F	23-87	Pan Hd. Tapping Screw	3
G	2035-000-153	Gatch/Fowler Label	1
H	2030-000-151	Foot Board Std. Module Label	1

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



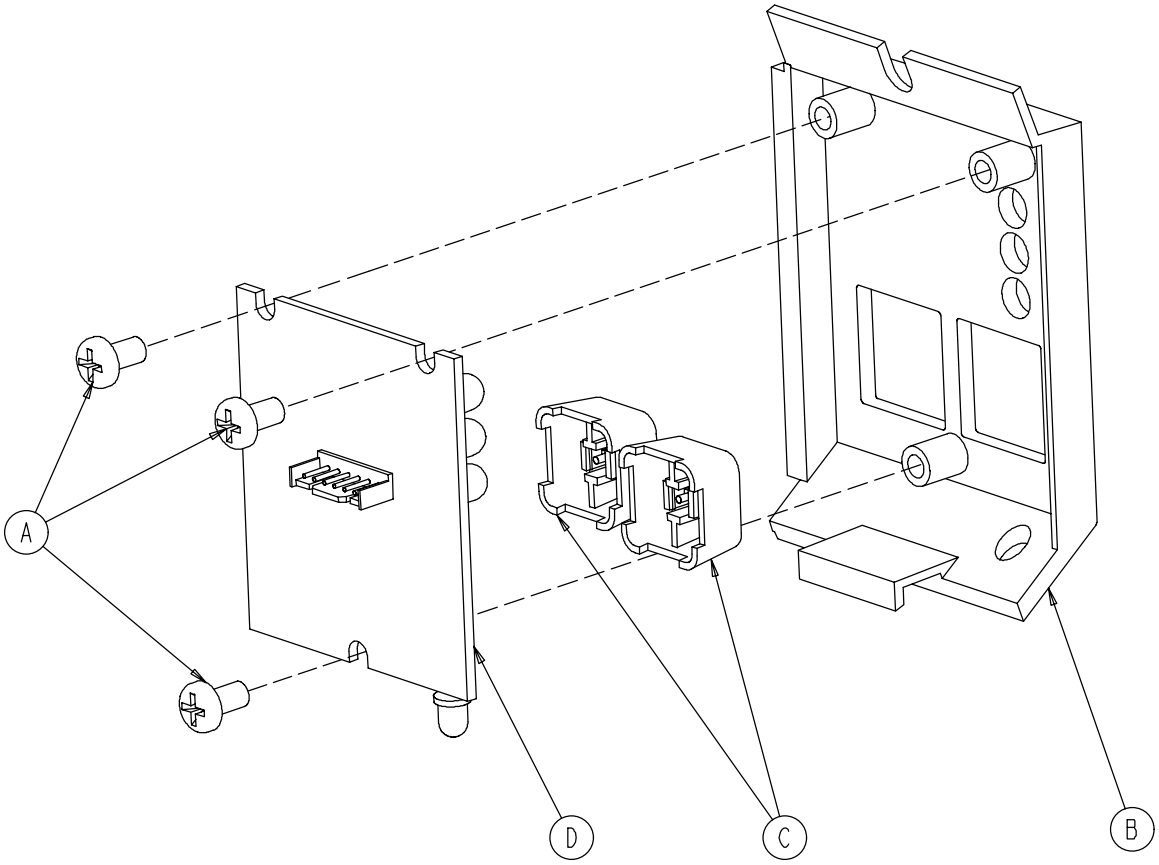
Item	Part No.	Part Name	Qty.
A	3000-508-1	Bed Exit Module Panel	1
B	3001-400-953	Switch Cap	2
C	2025-136-900	CPR Drop/Card. Ch. Keypad	1
D	23-87	Hi-Low Tapping Screw	3

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

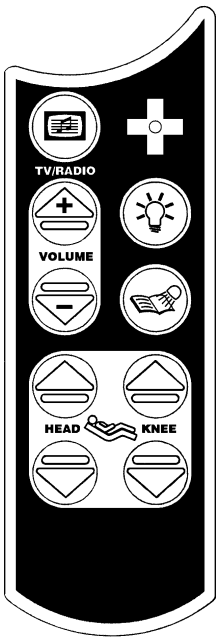


Item	Part No.	Part Name	Qty.
A	23-87	Hi-Low Tapping Screw	3
B	3000-508-1	End Exit Module Panel	1
C	3001-400-953	Switch Cap	2
D	3002-508-900	Bed Exit Board	1

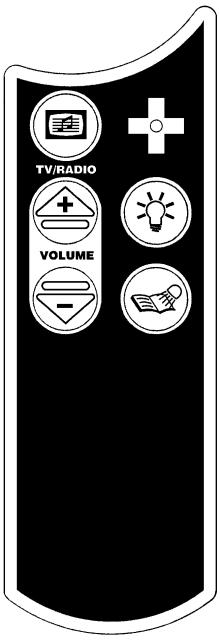
3002-507-30 Foot Board Scale Module Assembly

Item	Part No.	Part Name	Qty.
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

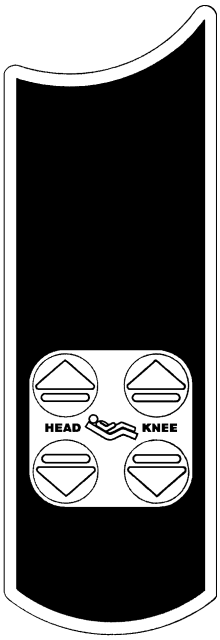
Optional Pendant Assembly



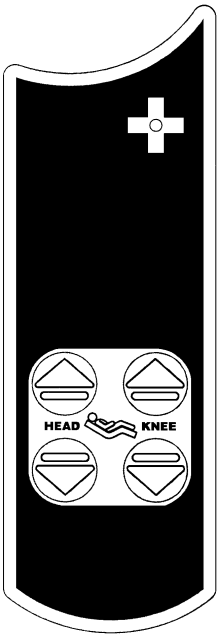
3001-315-12 Combination Pendant
Motion/Communication



3001-315-16 Combination Pendant
Communication Only

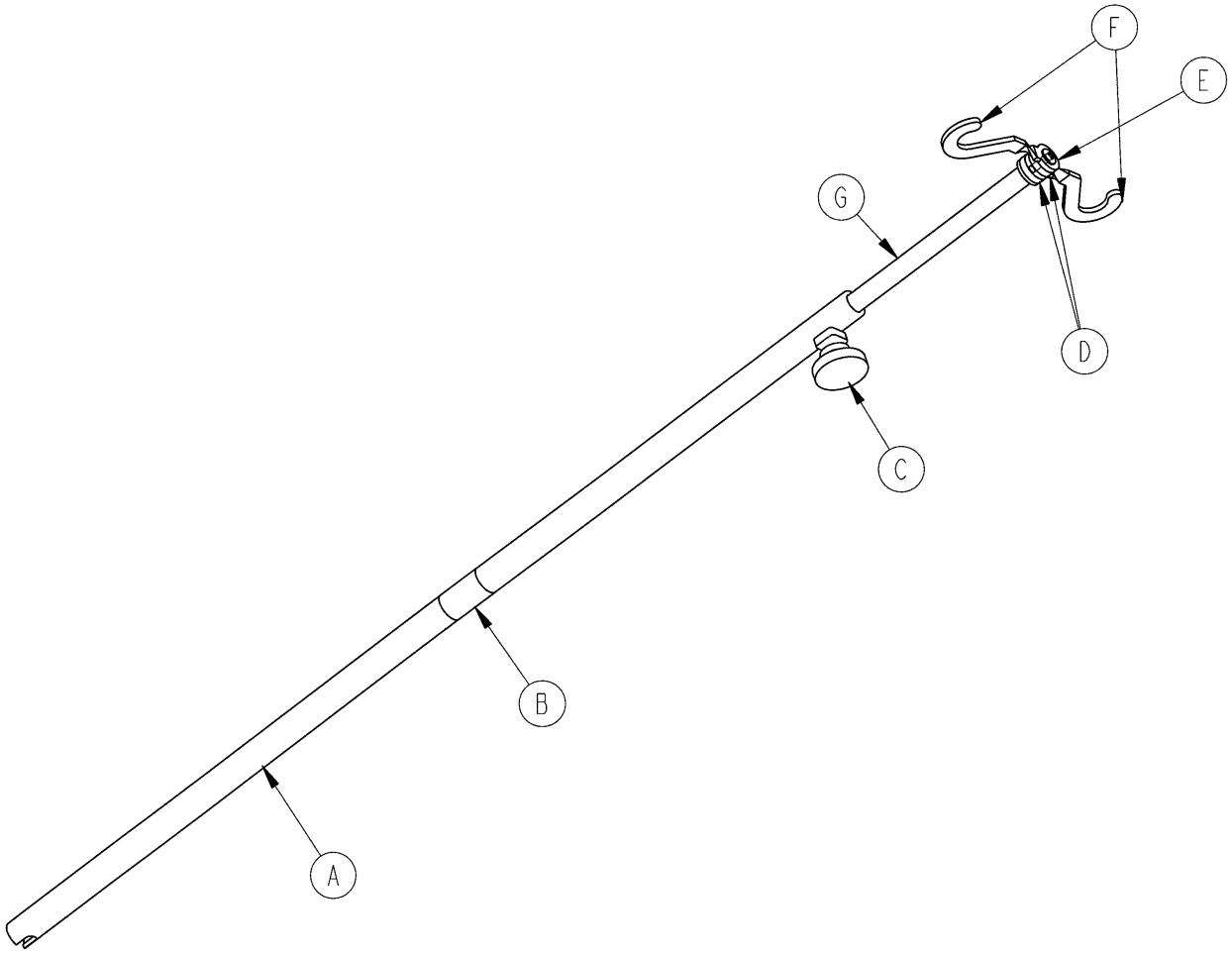


3001-315-14 Combination Pendant
Motion Only



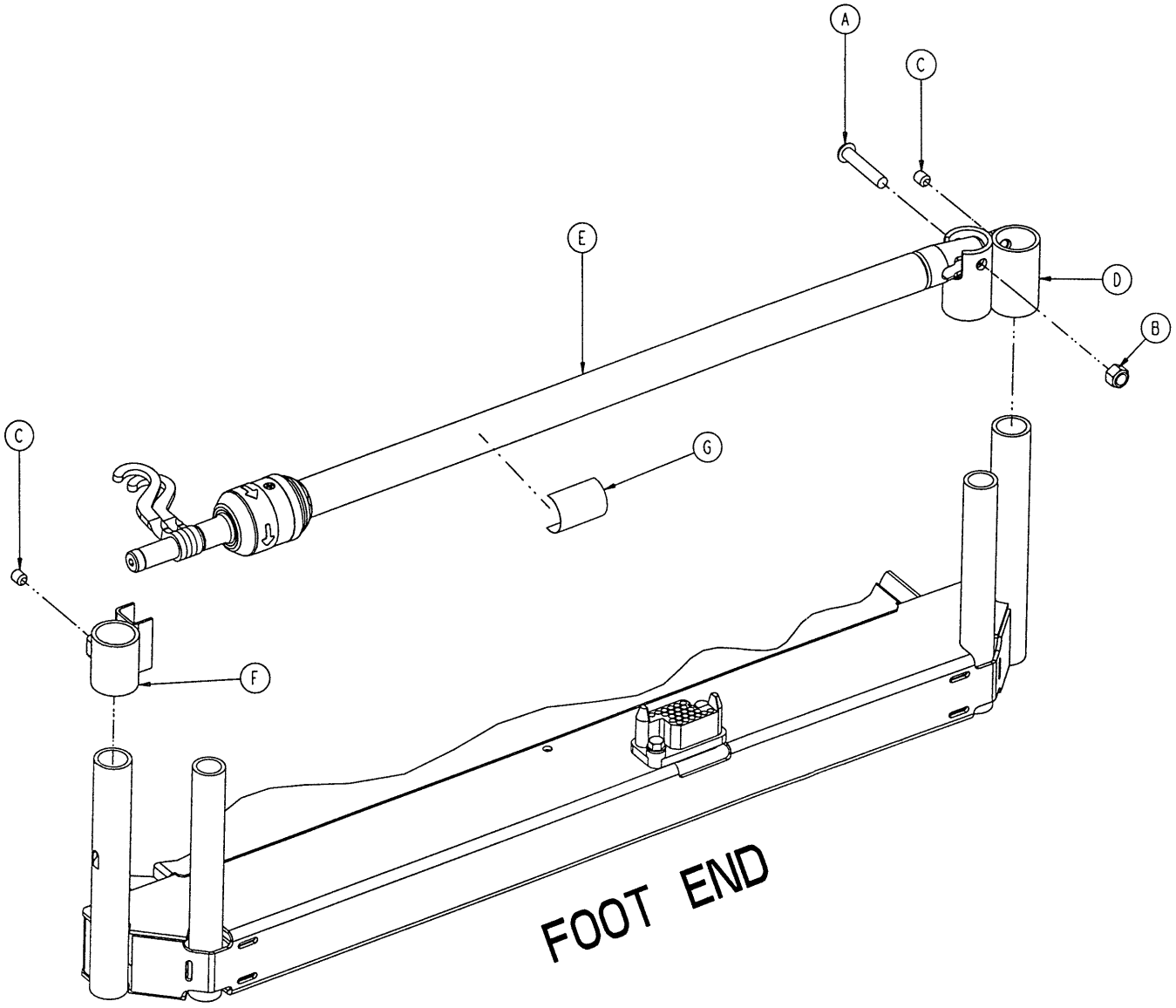
3001-315-18 Combination Pendant
Motion/NurseCall

3000-300-80 Removable I.V. Pole Assembly



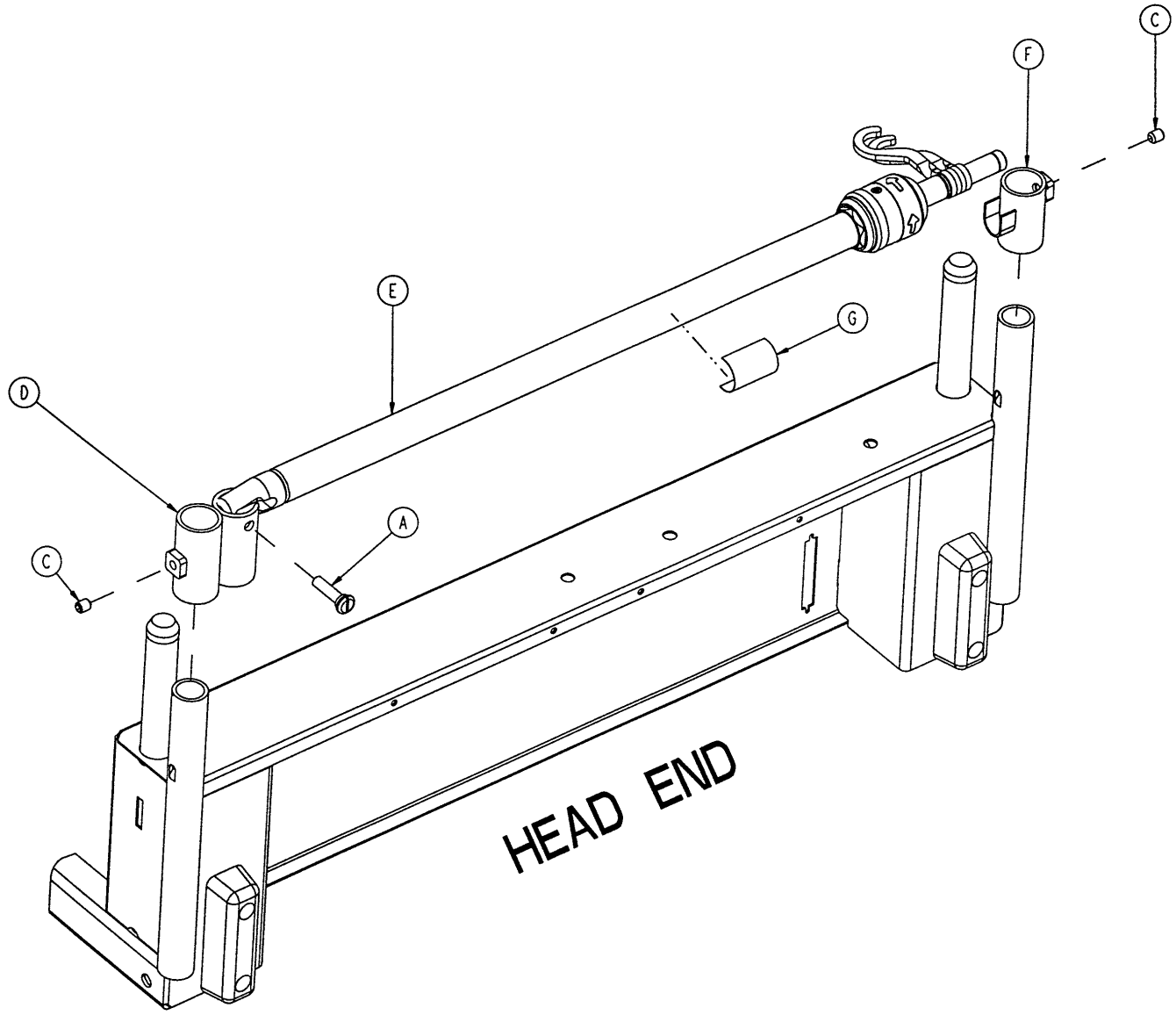
Item	Part No.	Part Name	Qty.
A	3000-300-81	Outer Tube	1
B	3000-300-89	Label	1
C	24-50	Fluted Knob	1
D	52-17	Spacer	2
E	7-40	Phillips Truss Hd. Screw	1
F	1010-59-16	I.V. Hook	2
G	3000-300-85	Inner Tube Assembly	1

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



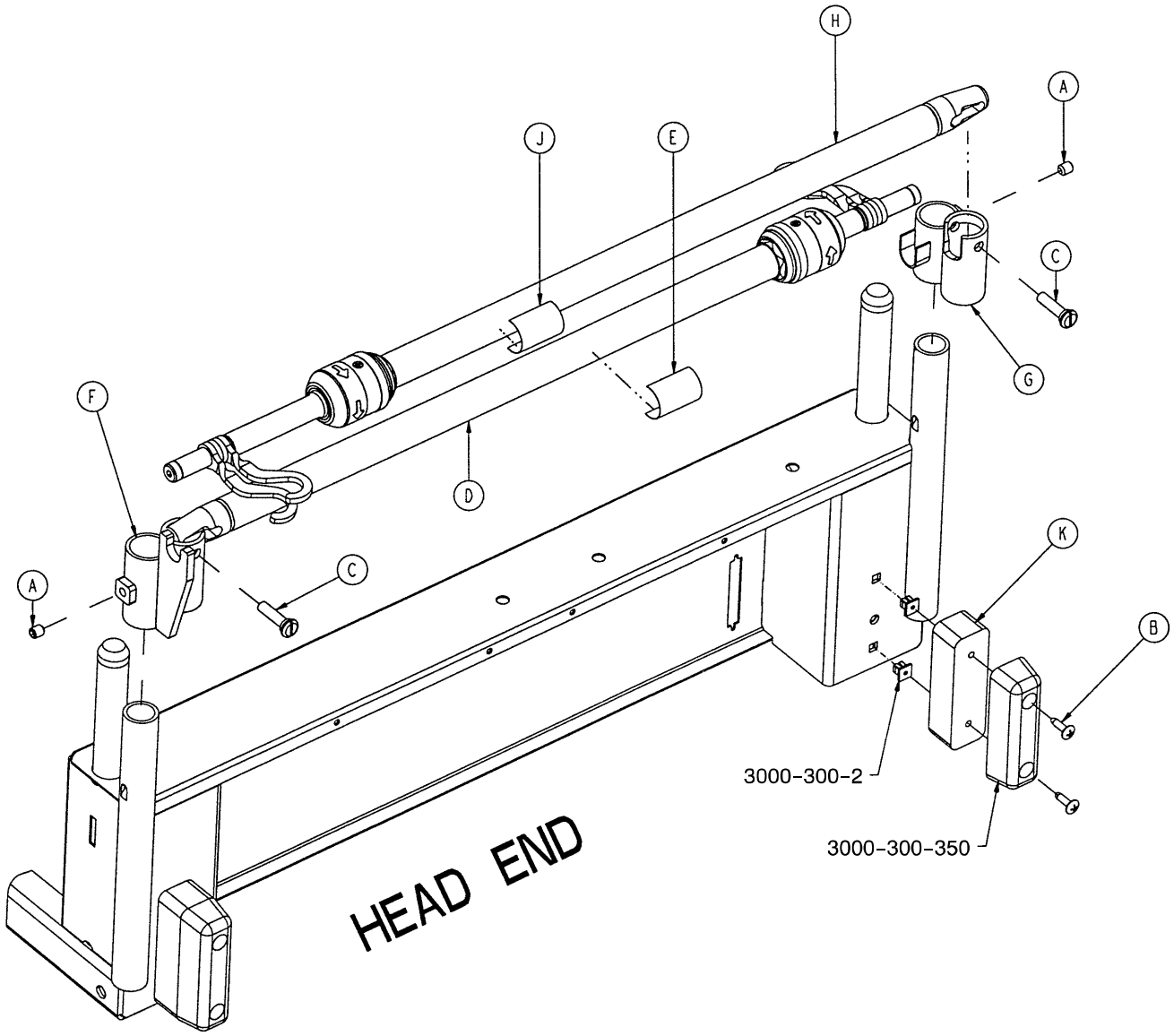
Item	Part No.	Part Name	Qty.
A	4-199	But. Hd. Cap Screw	1
B	16-36	Flexlock Nut	1
C	21-140	Set Screw	2
D	2035-111-1	I.V. Receptacle, Foot, Left	1
E	(page 10-92)	I.V. Pole Assembly, Left	1
F	3000-312-35	I.V. Cradle	1
G	2035-112-110	Specification Label	1

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



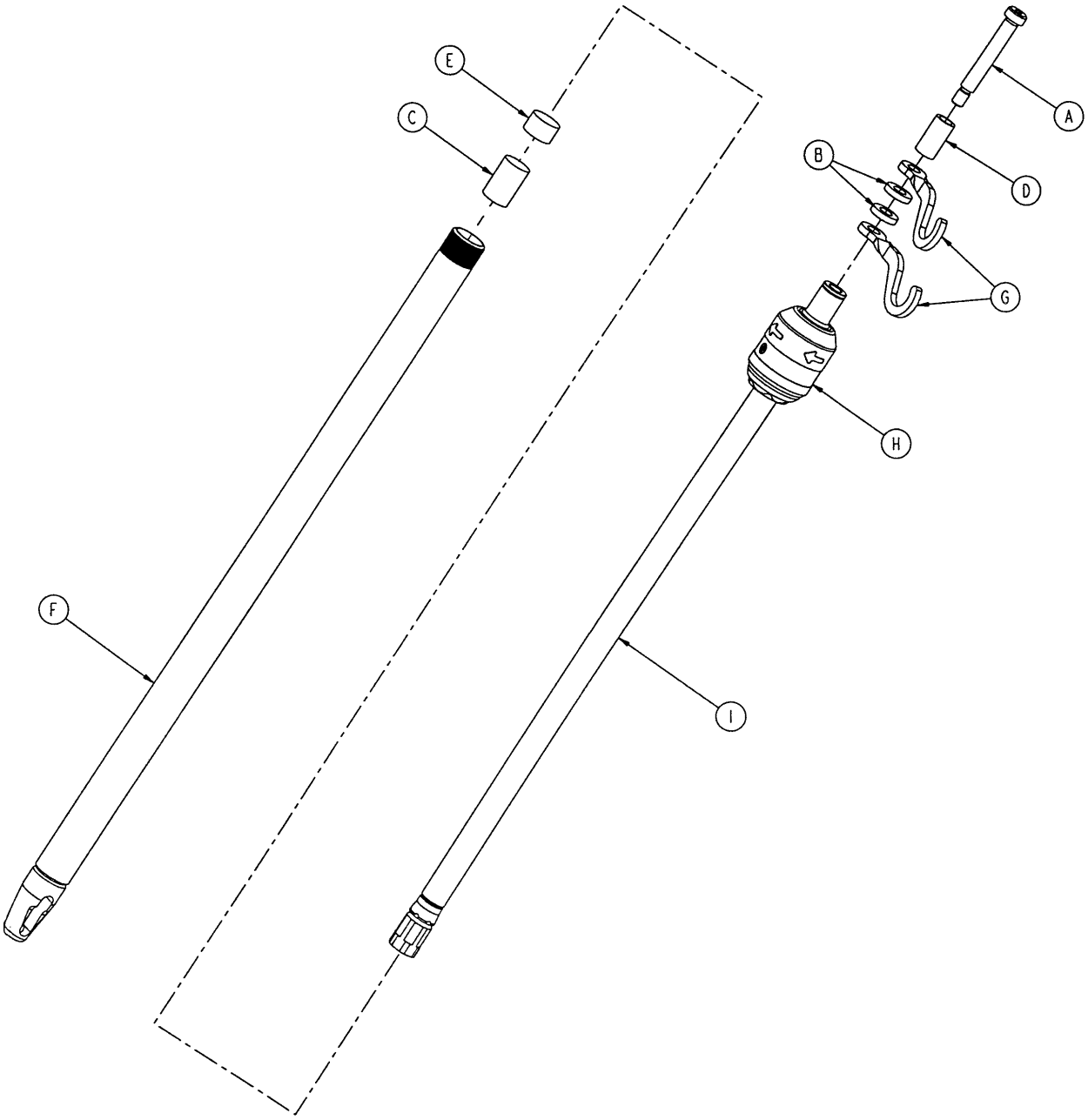
Item	Part No.	Part Name	Qty.
A	1015-24-35	Retaining Pin	1
C	21-140	Set Screw	2
D	2035-112-1	I.V. Receptacle, Head, Left	1
E	(page 10-92)	I.V. Pole Assembly, Left	1
F	3000-311-16	I.V. Rest	1
G	2035-112-110	Specification Label	1

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 10-92)	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 10-92)	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



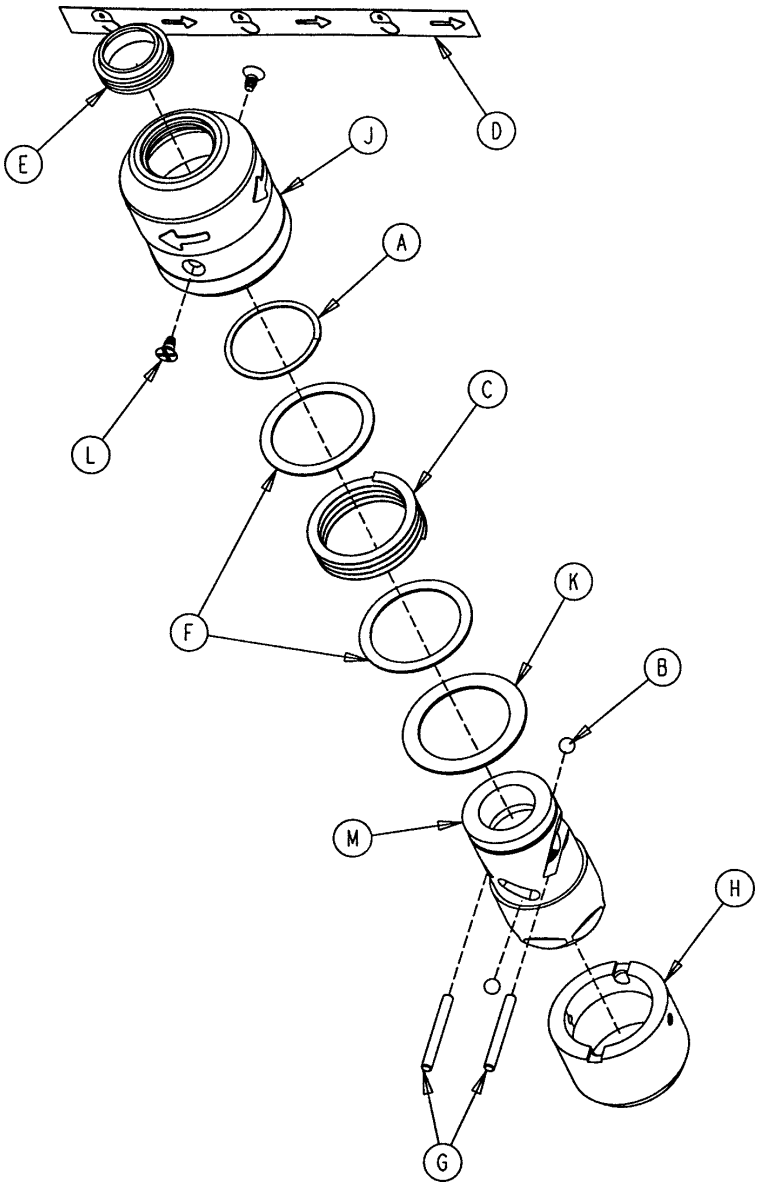
2035-112-10 Head End, Left

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 10-93)	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 10-93)	I.V. Pole Latch	1
I	1211-110-29	2nd Stage Assembly	1

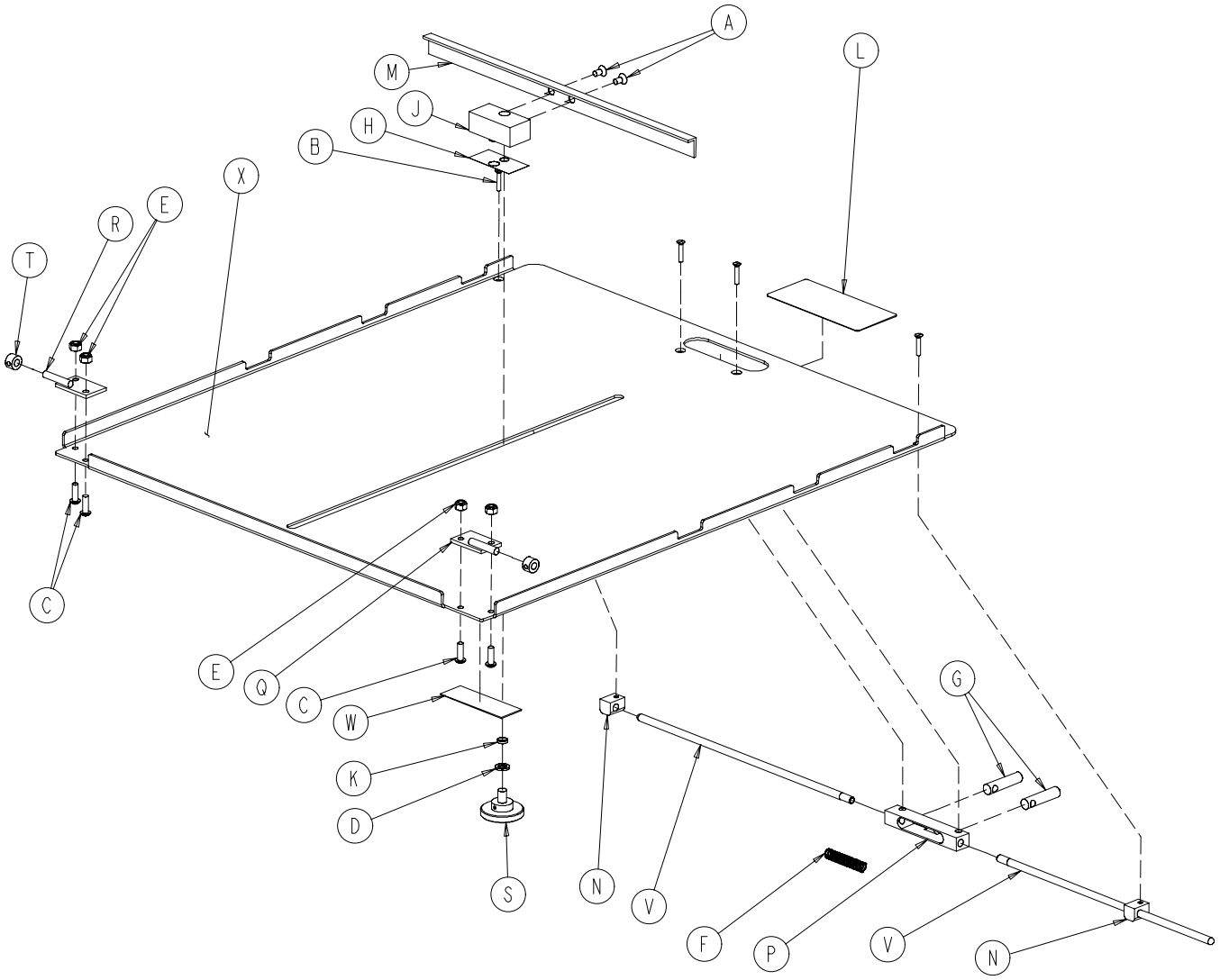
1211-210-26 I.V. Pole Latch Assembly



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

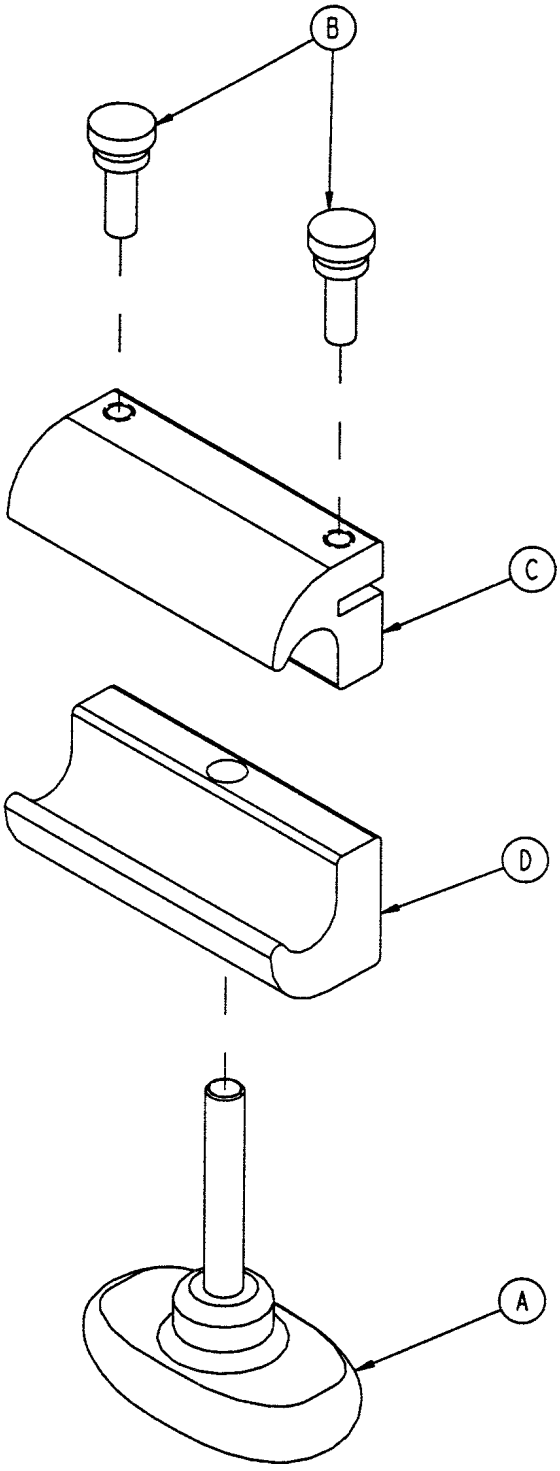
2035-140 Optional Fowler X-Ray Cassette Holder Assembly

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



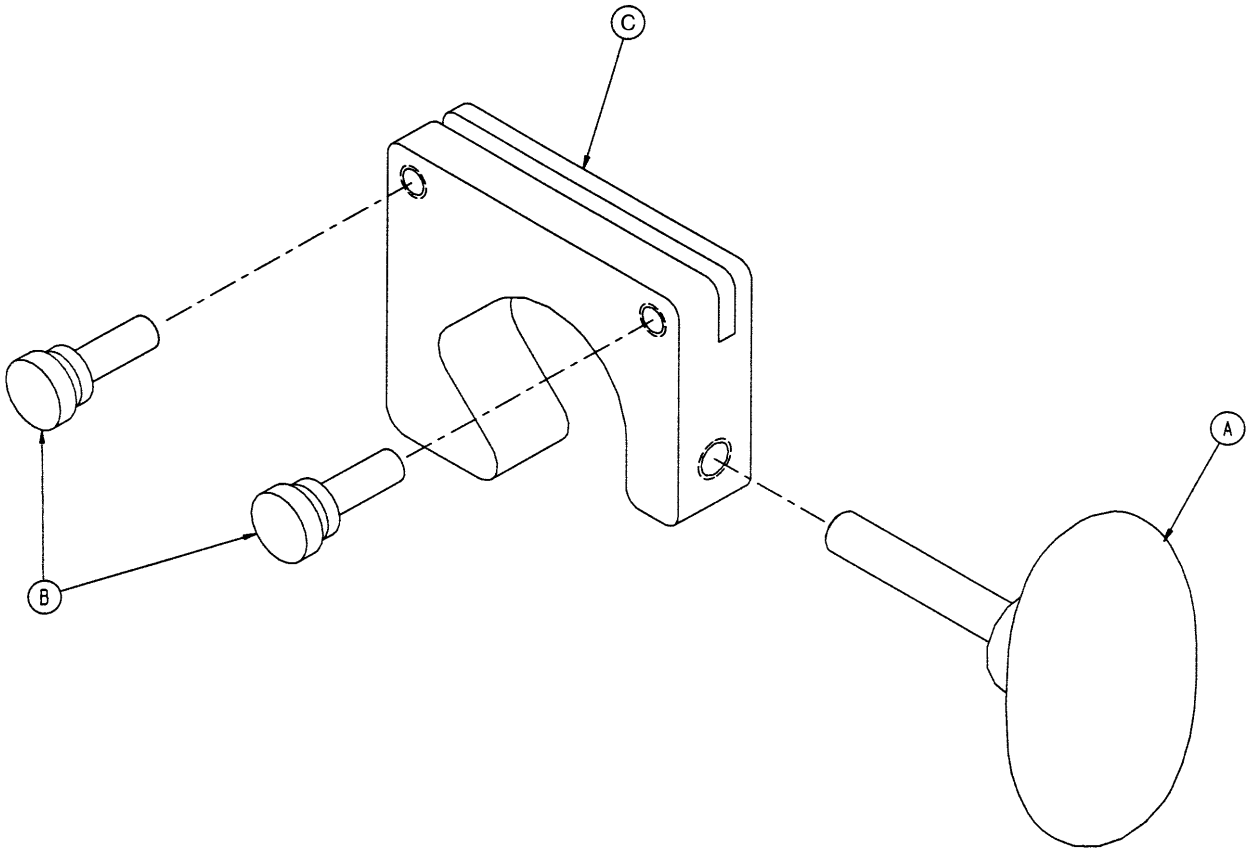
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1-20	Flat C'sunk Hd. Mach Scr.	2	M	1010-23-28	Tray Angle	1
B	4-49	H. Soc. But. Hd. Cap Scr.	4	N	1010-23-37	Cassette Rod Guide	2
C	4-149	H. Soc. But. Hd. Cap Scr.	4	P	1020-23-16	Cassette Post Housing	1
D	14-3	Washer	1	Q	1020-23-19	Tray Hinge 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



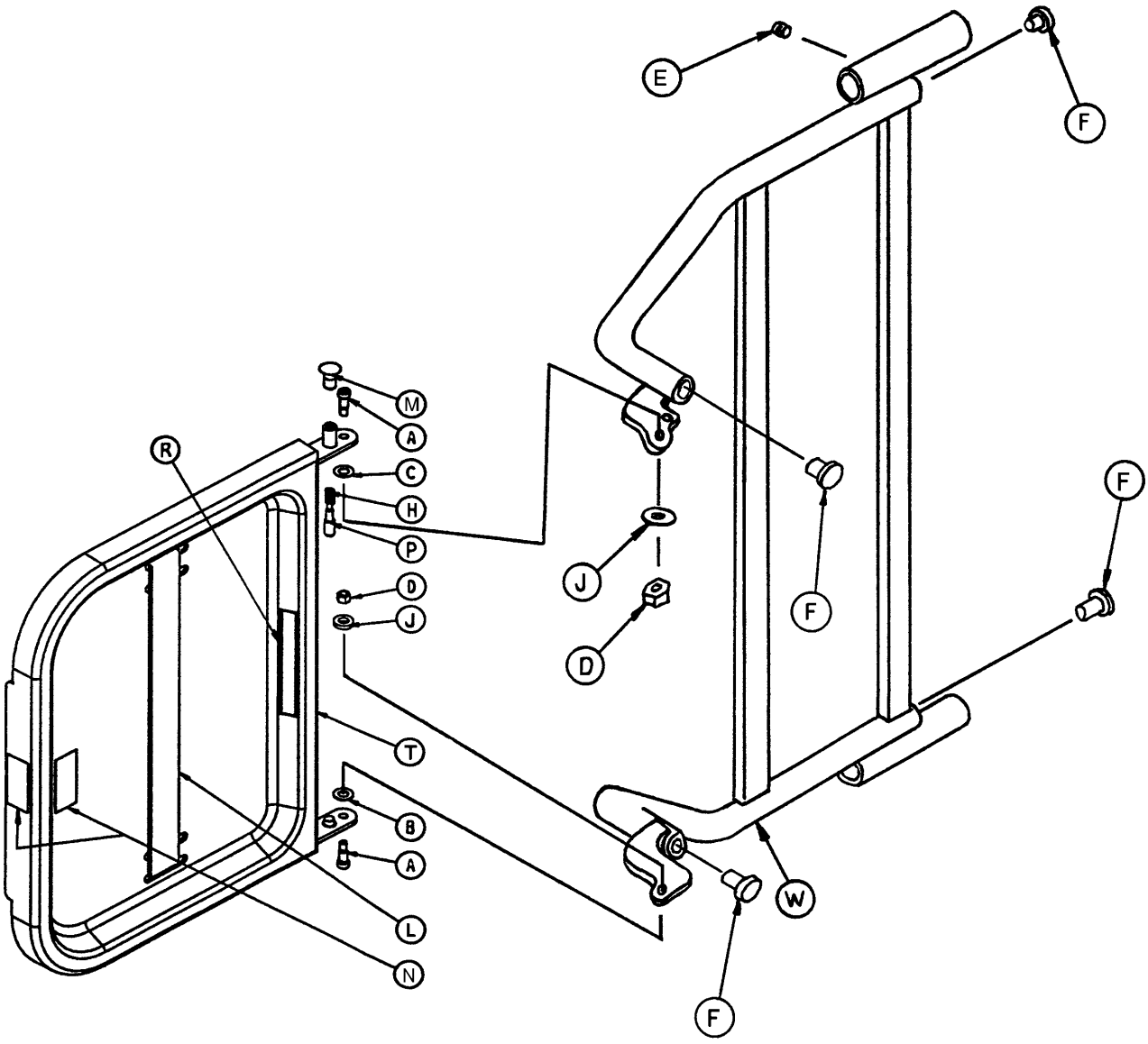
Item	Part No.	Part Name	Qty.
A	24-63	T-Knob	1
B	24-64	Thumb Screw	2
C	2035-19-11	Transducer Mount, Top	1
D	2035-19-12	Transducer Mount, Bottom	1

2035-18-10 Optional I.V. Pole Transducer Mount Assembly



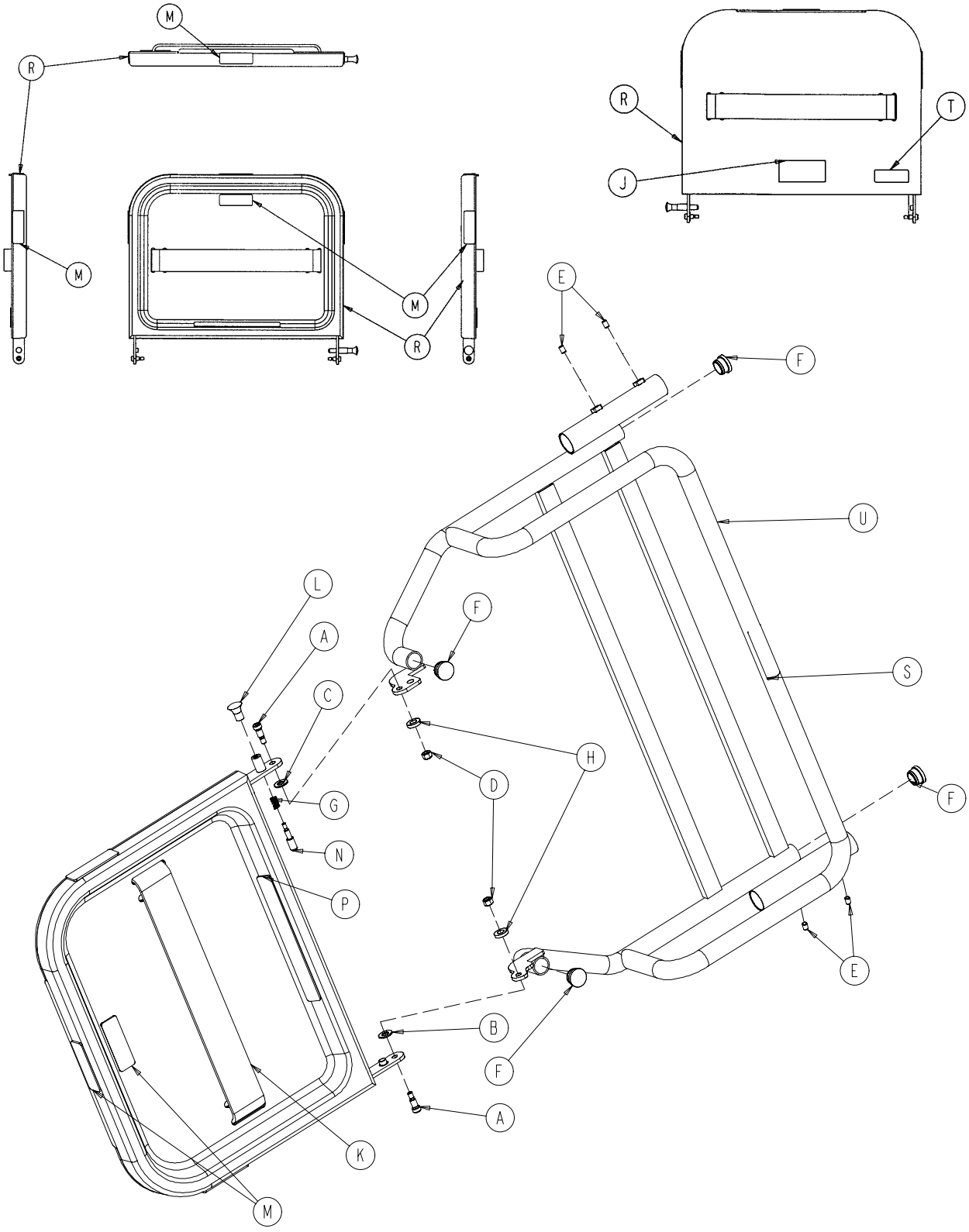
Item	Part No.	Part Name	Qty.
A	24-63	T-Knob	1
B	24-64	Thumb Screw	2
C	2035-18-11	Transducer Mount	1

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				

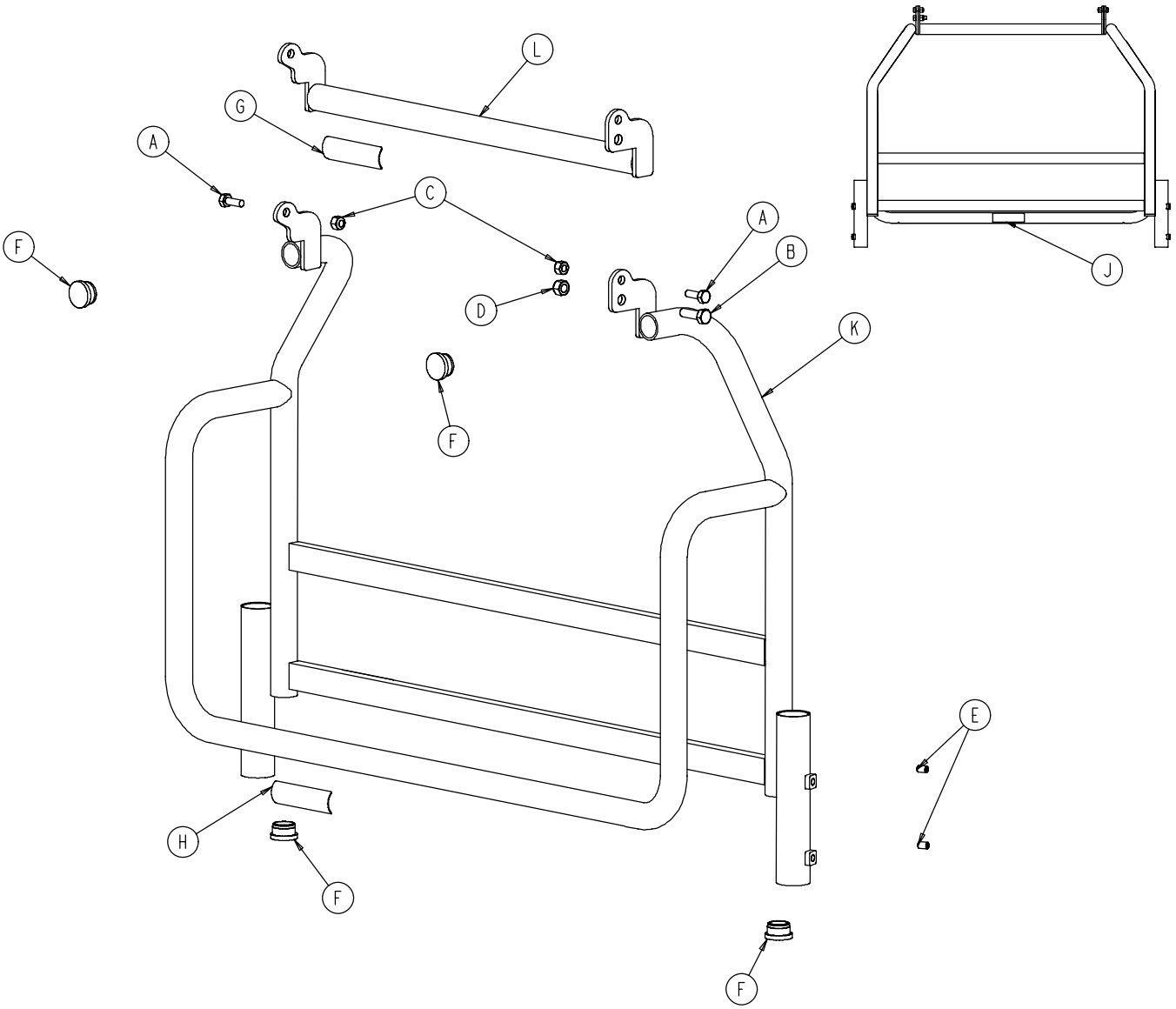
2040-120-4 Optional Pleur-Evac Rack with Defibrillator Tray



2040-120-4 Optional Pleur-Evac Rack with Defibrillator Tray

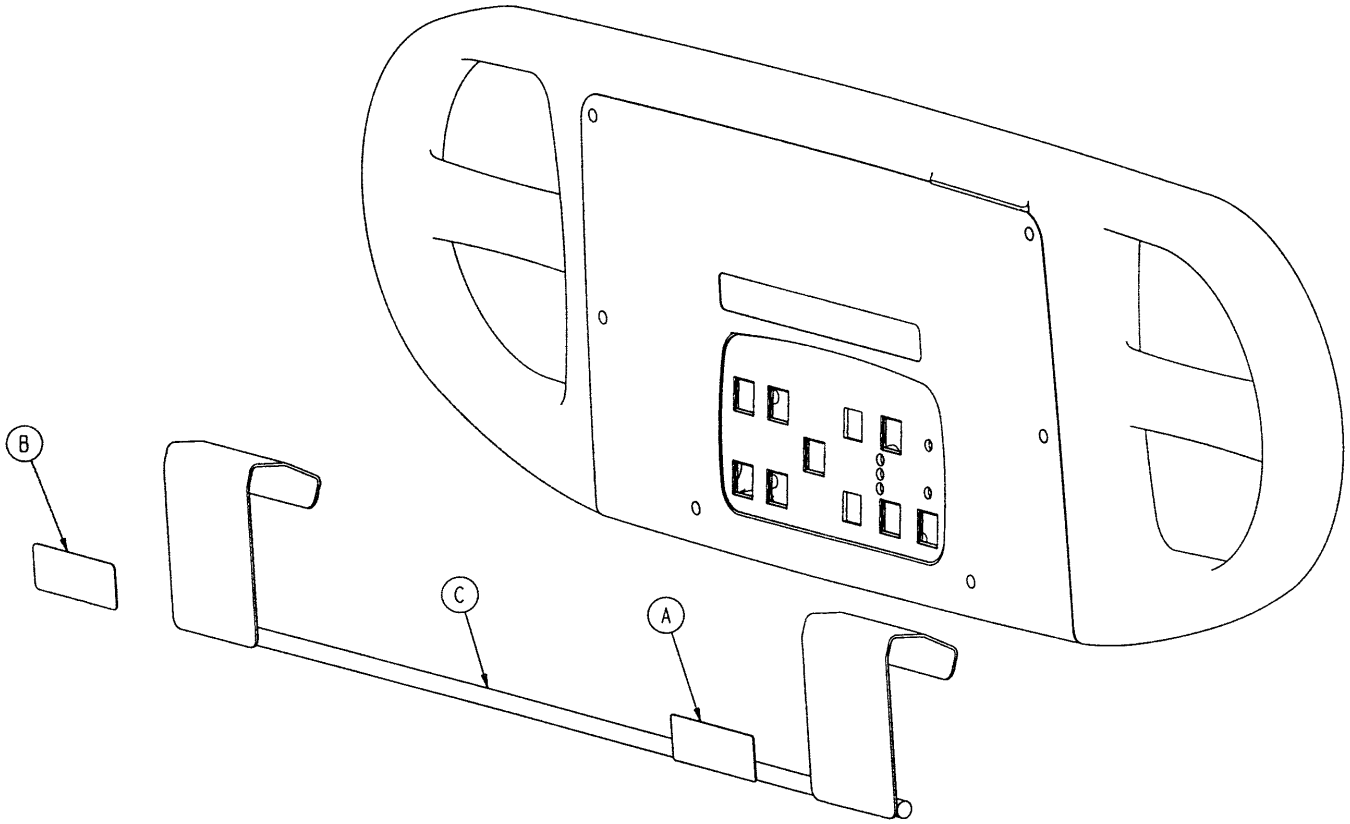
Item	Part No.	Part Name	Qty.
A	8-49	Soc. Hd. Shoulder Bolt	2
B	14-20	Thrust Washer	1
C	14-21	Thrust Washer	1
D	16-28	Fiberlock Nut	2
E	21-17	Set Screw	4
F	37-214	Hole Plug	4
G	38-133	Spring	1
H	52-17	Spacer	2
J	1010-50-19	“Push/Pull” Label	1
K	1010-50-21	Long Strap	1
L	1010-50-50	Knob	1
M	1010-50-57	“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



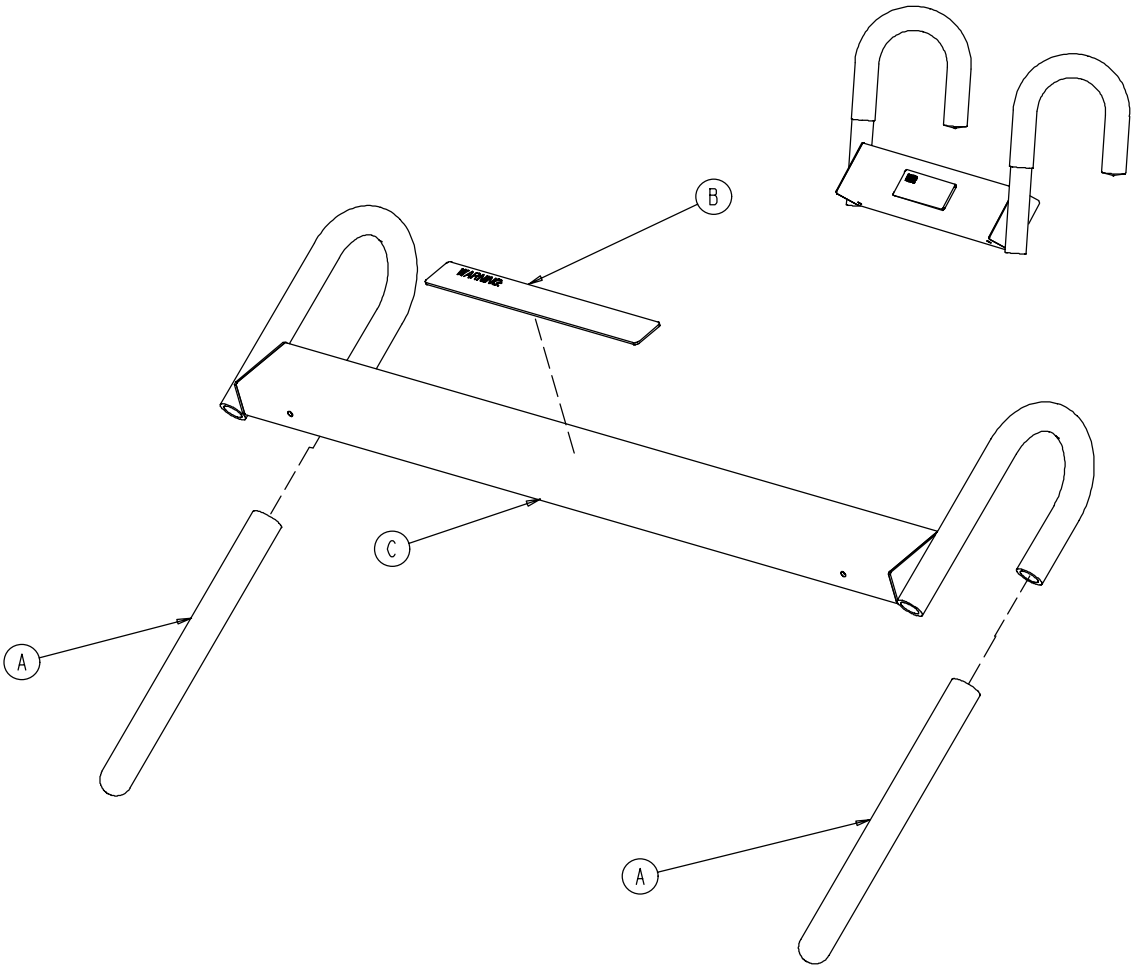
Item	Part No.	Part Name	Qty.
A	3-50	Hex Hd. Cap Screw	2
B	3-85	Hex Hd. Cap Screw	1
C	15-28	Nylock Nut	2
D	16-36	Nylock Nut	1
E	21-17	Set Screw	4
F	37-214	Hole Plug	4
G	1010-50-57	Maximum Weight Label	1
H	2040-90-1	Acc. Rail Warning Label	1
J	2040-90-4	Specification Label	1
K	2040-120-3	Rack Weldment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

2040-120-9 Optional Siderail Pleur-Evac Rack Assembly



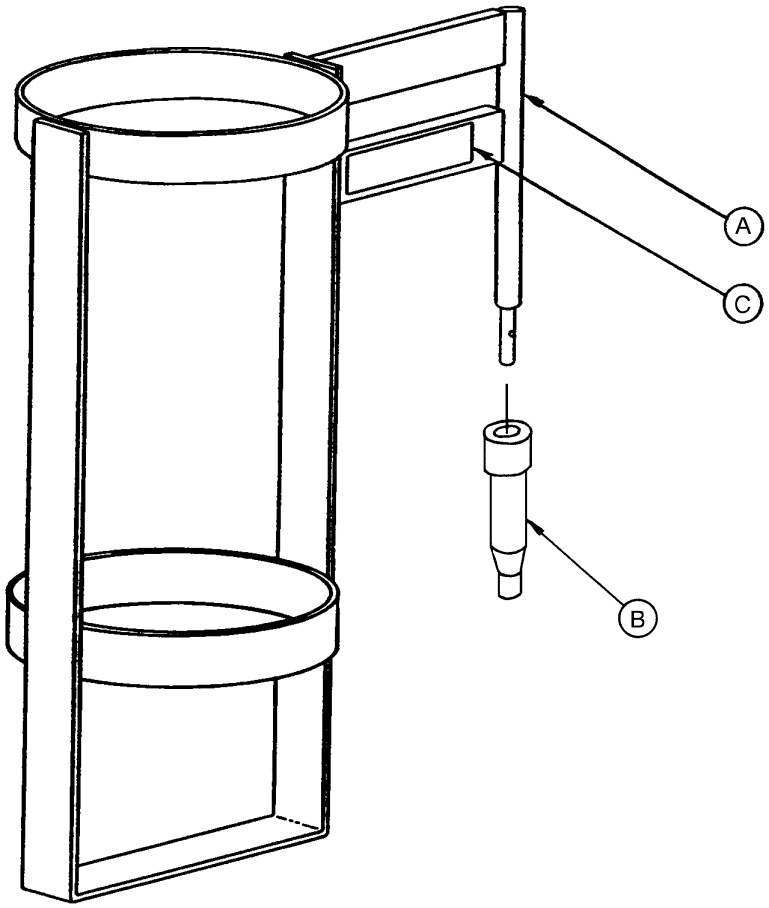
Item	Part No.	Part Name	Qty.
A	2040-90-1	Warning Label	1
B	2040-90-2	Maximum Weight Label	1
C	2040-120-8	Rack Weldment	1

2040-111 Optional Pump Rack Assembly



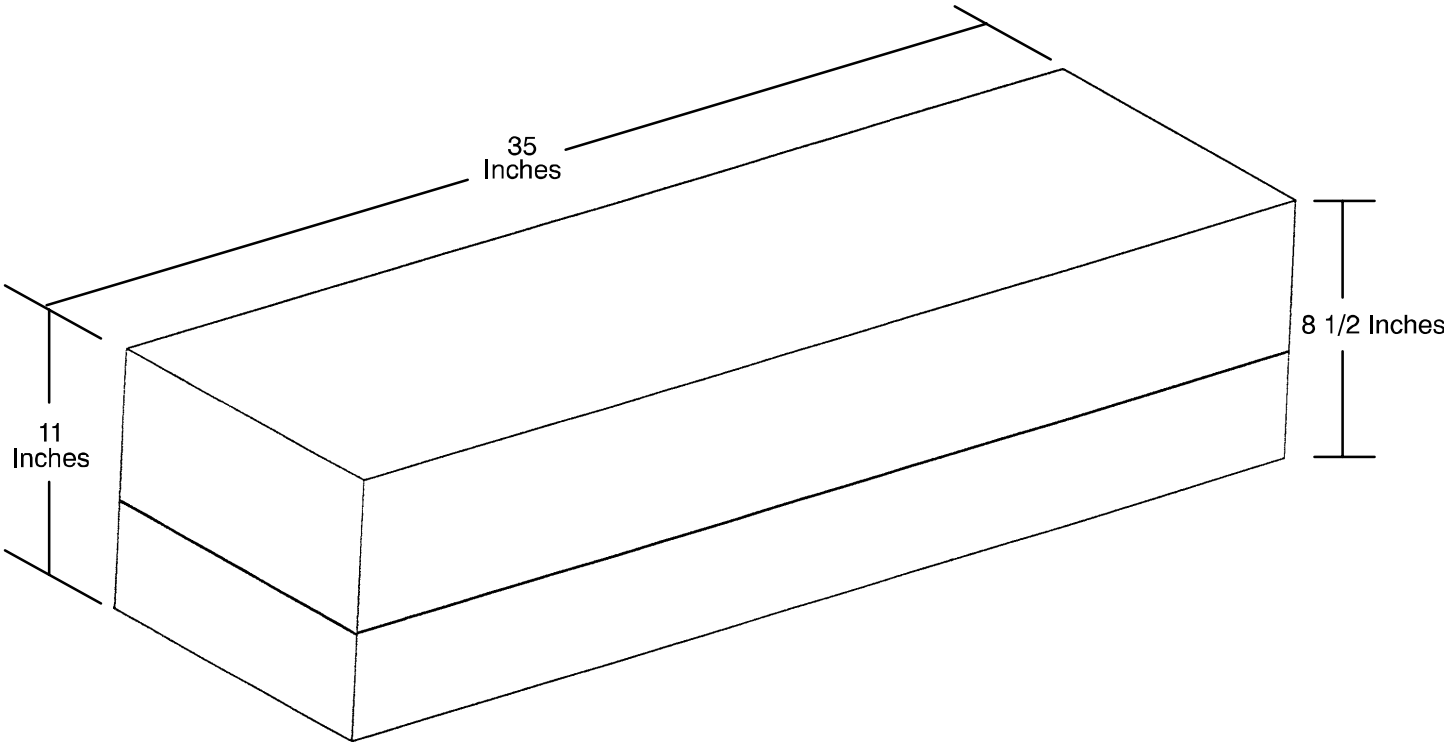
Item	Part No.	Part Name	Qty.
A	58-87	End Cap	2
B	2030-140-2	Pump Rack Label	1
C	2040-111-5	Pump Rack Tube	1

2025-150-10 Optional Upright O2 Bottle Holder Assembly

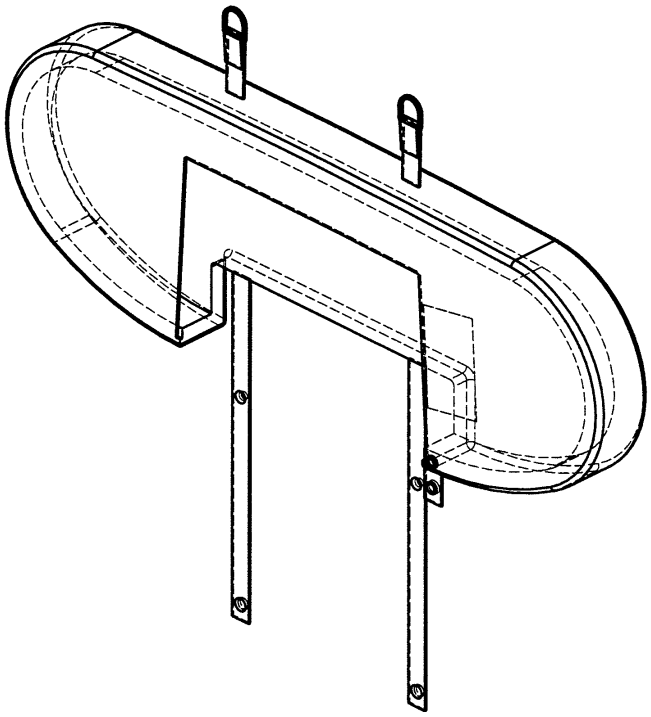


Item	Part No.	Part Name	Qty.
A	1010-30-11	Upright Bottle Holder	1
B	2025-150-1	Bottle Holder Adapter	1
C	2025-150-2	Specification Label	1

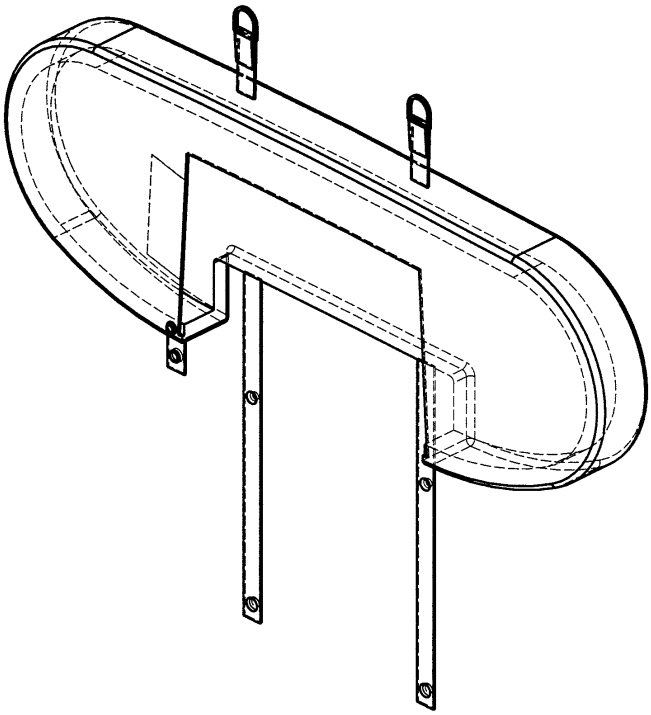
2025-40 Optional Bed Extender Pad



2040-130 Optional Siderail Pad Set



3000-336-11 Right Siderails



3000-336-12 Left Siderails

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