stryker®

Maintenance Manual

Medical

TriaDyne® III Proventa Bed
Model 2030

Important Information
File in your maintenance records

For parts or technical assistance call
800 327 0770 (option 2)

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INTRODUCTION

This manual is designed to assist you with the operation of the Model 2030 Critical Care Bed. Read it thoroughly before using the equipment.

SPECIFICATIONS

Safe Working Load	300 pounds (136 kg)
Scale System Capacity (optional equipment)	Loads weighing up to 300 pounds (136 kilograms)
Scale System Accuracy (optional equipment)	±1 pound of total patient weight at any bed position (patients weighing 100 pounds or less) ±1% of total patient weight at any bed position (patients weighing greater than 100 pounds)
Overall Bed Length/Width	L−91” /W−42.5” or L−231 cm /W−108 cm
Minimum/Maximum Bed Height (Standard)	22.5” to 33” − 57 cm. to 84 cm.
Fluoro Access	17.5”
Knee Gatch Angle	0° to 30°
Back Angle	0° to 90°
Trendelenburg/Reverse Trendelenburg	−9° to +9°
Electrical Requirements	115 VAC, 60 Hz, 7.0 Amps
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

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

⚠ CAUTION

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

NOTE

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

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.
- When raising the siderails, listen for the ”click” that indicates the siderail has locked in the up position. Pull firmly on the siderail to ensure it is locked into position. Siderails are not intended to be a patient restraint device. It is the responsibility of attending medical personnel to determine the degree of restraint and the siderail positioning 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.
- The Bed Exit System is intended only to aid in the detection of a patient exiting the bed. It is NOT intended to replace patient monitoring protocol. The bed exit system signals when a patient is about to exit. Adding or subtracting objects from the bed after arming the bed exit system may cause a reduction in the sensitivity of the bed exit system.
- 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.
- When using the Symmetric Aire™ Mattress extra caution and/or operator supervision is required to help reduce the likelihood of a patient fall occurring.

WARNING

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

- Confirm proper scale system operation following mattress installation. For best results, secure the therapy mattress power cord to prevent damage to the cord or interference with the bed frame and the scale system.
- Do not zero bed scales or weigh patient with Percussion, Vibration, Rotation or Turn−Assist active. Patient motion and position resulting from the dynamic therapy mattress may adversely affect scale system performance.
- Do no initialize (“arm”) bed exit with Percussion, Vibration, Rotation or Turn−Assist active. The patient motion and position resulting from the dynamic therapy mattress may adversely affect bed exit system performance.
- When using an XPRT Therapy Mattress extra caution and/or operator supervision is required to help reduce the likelihood of a patient fall occurring.

CAUTION

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

WARNING
Potential pinch points

SET−UP PROCEDURES

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

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

⚠ WARNING

The 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.

- 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 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

~ Alternating Current

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

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

Mode of Operation: Continuous

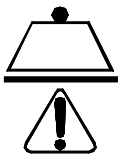
IPX4: Protection from liquid splash

Dangerous Voltage Symbol

Protective Earth Terminal

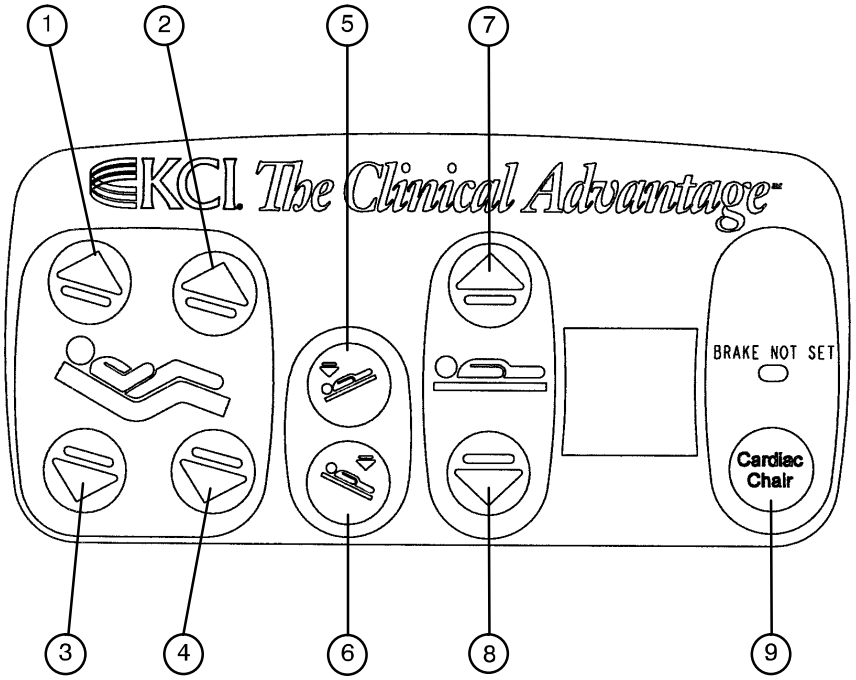
Potential Equalization Symbol

Component For Use in Medical Equipment Recognized by Underwriters Laboratories Inc., with Respect to Electrical Shock, Fire, Mechanical and Other Specified Hazards Only in Accordance with UL 2601−1 and CAN/CSA C22.2 No. 601.1



Safe Working Load Symbol

BED SYMBOLS

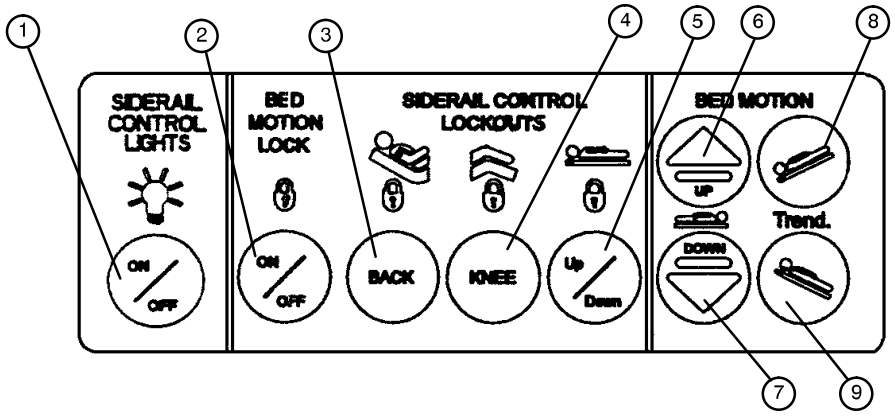


1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.
5. Press to lower the head end of the bed (Trendelenburg).
6. Press to lower the foot end of the bed (Reverse Trendelenburg).
7. Press to raise the litter.
8. Press to lower the litter.
9. Press to activate emergency Cardiac Chair positioning.

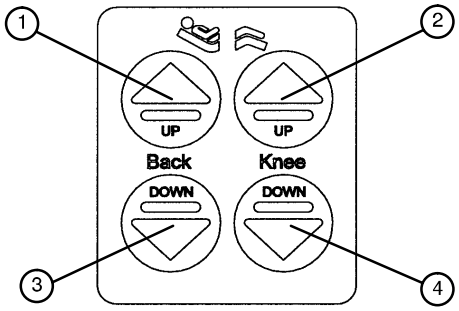
BED SYMBOLS

⚠ 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.

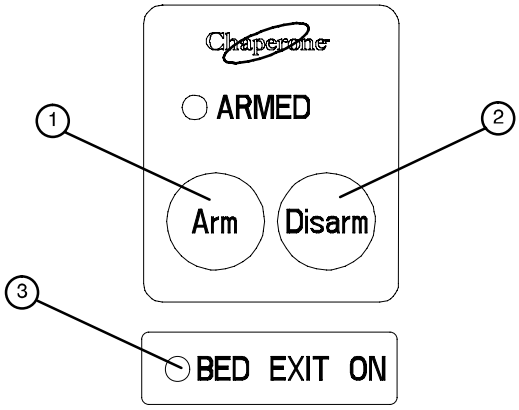


1. Press repeatedly for low, medium and high settings for the siderail control lights. Continue to press this switch to turn off the siderail control lights and the nurse call indicator light.
2. Press to lock out all bed motion controls on the siderails. Press again to unlock.
3. Press to lock out Back 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.
7. Press to lower bed.
8. Press to lower head end of bed (Trendelenburg).
9. Press to lower foot end of bed (Reverse Trendelenburg).

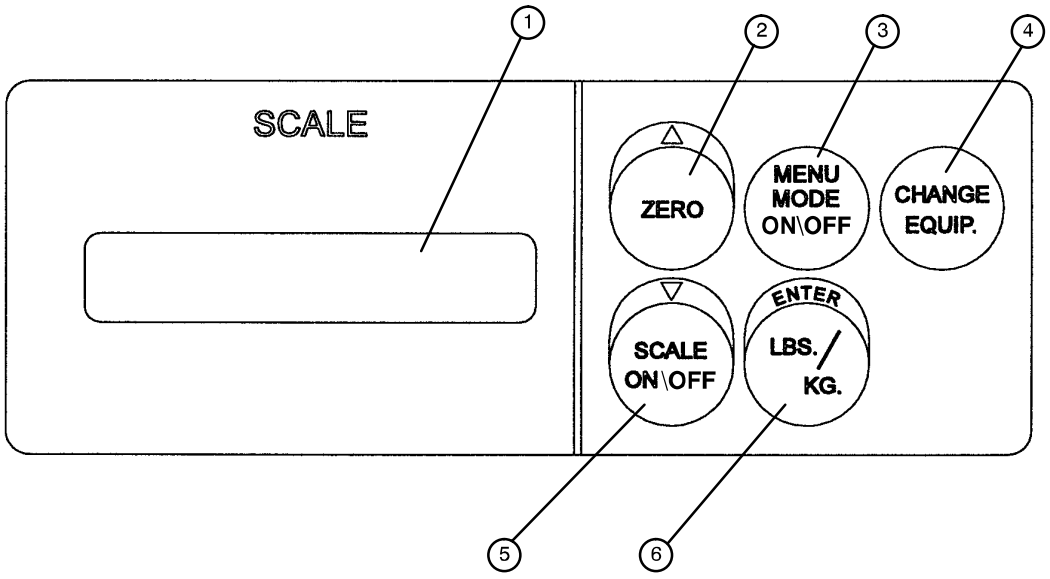


1. Press to raise back section.
2. Press to raise knee section.
3. Press to lower back section.
4. Press to lower knee section.

BED SYMBOLS



1. 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.



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.

CLEANING

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

Suggested cleaners for bed surfaces:

Quaternary Cleaners (active ingredient – ammonium chloride)

Phenolic Cleaners (active ingredient – o–phenyl phenyl)

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

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

⚠ CAUTION

SOME CLEANING PRODUCTS ARE CORROSIVE IN NATURE AND MAY CAUSE DAMAGE TO THE PRODUCT IF USED IMPROPERLY. If the products described above are used to clean Stryker patient care equipment, measures must be taken to insure the beds are wiped with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, possibly causing premature corrosion of critical components. Failure to follow the above directions when using these types of cleaners may void this product's warranty.

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

Clean Velcro® AFTER EACH USE. Saturate Velcro® with disinfectant and allow disinfectant to evaporate. (Appropriate disinfectant for nylon Velcro® should be determined by the hospital.

Preventative Maintenance Checklist

PREVENTATIVE MAINTENANCE CHECKLIST

_____ All fasteners secure
_____ Engage brake pedal and push on the bed to ensure all casters lock securely
_____ Locking steer caster engages and disengages properly
_____ Siderails move, latch and stow properly
_____ All functions on siderails working properly (including LED's)
_____ Manual CPR release working properly
_____ I.V. pole working 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
_____ Power cord not frayed
_____ No cables worn or pinched
_____ All electrical connections tight
_____ All grounds secure to the frame
_____ Ground impedance not more than 100 milliohms
_____ Current leakage not more than 300 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.

Troubleshooting Guide

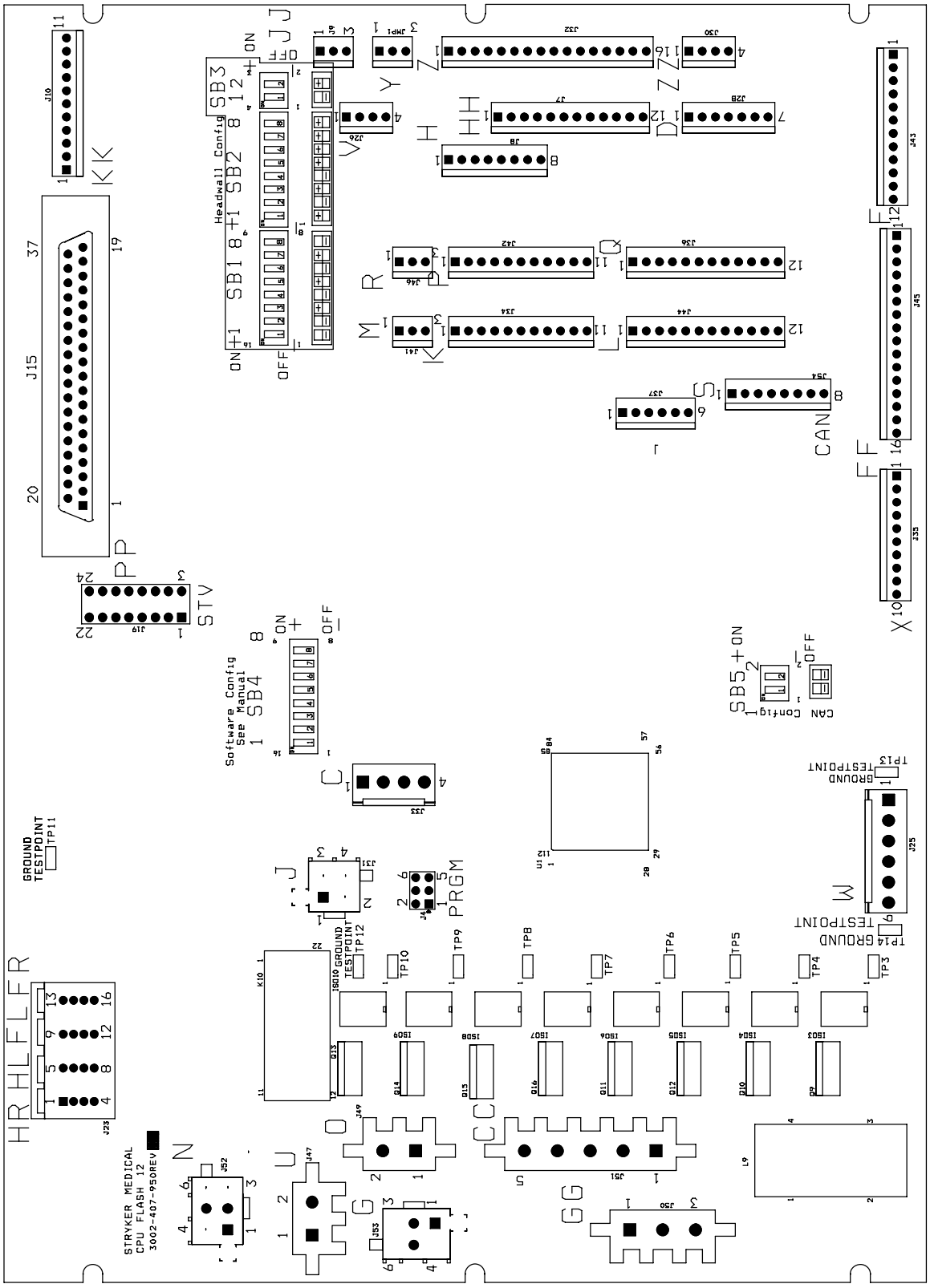
NOTE
See pages 15 through 20 for an outline of bed PCB's and voltage test points.

PROBLEM/FAILURE	RECOMMENDED ACTION
No power to bed	**A.** Verify the power cord connections at the wall and the bed. **B.** Check circuit breakers, under the litter/gatch section on the patient left side. If the circuit breaker is tripped, reset it by pushing in. **C.** Check for 120 VAC at J1 on the power supply, Pin 1 and 2. **D.** Check for DC voltages on J2 (Pins 1, 2, 3 & 6) on power supply. See page 20 for power supply voltage test points. **a.** If voltage is present, check connector W on the CPU board and check for the same DC voltages. If OK, go to step E. **b.** If voltage is not present, unplug connector W on the CPU board and recheck for DC voltages at J2 on the power supply. **1.** If voltages come back, re−connect cable W to the CPU board, and go to step c. **2.** If DC voltage does not come back, replace the power supply. **c.** Unplug all connectors except for F, FF, O, and W from the CPU board and recheck voltages on connector W **1.** If DC voltages come back, plug the cable connections back in until problem comes back, isolate the problem to a component or assembly. **2.** If DC voltages do not come back, replace the CPU board **E.** Check for 120 VAC at connector O on the CPU board. **a.** If voltage is present, replace the CPU board. **F.** Verify bed function and return to service.
No bed down motion.	**A.** Enter diagnostics, (see page 33) and press bed down. **a.** If motion is not present, verify there is a two−pin shunt present on connector Z, closest to the center of the bed, if not, install shunt. **1.** Test bed down motion, if motion is present then go to step D. **b.** If motion is present, re−burn lift potentiometer limits, see page 28 for procedure. **B.** Check for 5 VDC on TP 9 (HL) and TP 7 (FL), see page 15. **a.** If 5 VDC is present, go to step C. **b.** If 5 VDC is not present, replace CPU board. **C.** Check for 120 VAC power on connector N (HL) and G (FL), pin 1 white and pin 3 black, of the CPU board, while pressing bed motion up. **a.** If voltage is not present, replace CPU board. **b.** If voltage is present: **1.** Verify the motors are running, if so, replace lift couplers. **2.** If motors are not running, check voltage at motor connection. **3.** If voltage is present at motor, check capacitors or motors. **D.** Verify bed function and return to service.

Troubleshooting Guide

No bed up motion.	**A.** Enter diagnostics, (see page 33) and press bed up. **a.** If motion is not present, go to step B. **b.** If motion is present, re−burn lift potentiometer limits, see page 28 for procedure. **B.** Check for 5VDC on TP 10 (HL) and TP 8 (FL) on the CPU board **a.** If 5 VDC is present, go to step C. **b.** If 5 VDC is not present, replace CPU board. **C.** Check for 120 VAC power on connector N (HL) and G (FL), pin 1 white and pin 6 red, of the CPU board while pressing bed motion up. **a.** If voltage is not present, replace CPU board. **b.** If voltage is present **1.** Verify the motors are running, if so, replace lift couplers. **2.** If motors are not running, check voltage at motor connection. **3.** If voltage is present at motor, check capacitors or motors. **D.** Verify bed function and return to service.
No Gatch down motion.	**A.** Check for 5VDC on TP 5 on the CPU board **a.** If 5 VDC is present, go to step B. **b.** If 5 VDC is not present, replace CPU board. **B.** Check for 120 VAC power on connector CC, pin 2 (red) and pin 3 (white), of the CPU board while pressing gatch down. **a.** If voltage is not present, replace the CPU board **b.** If 5 VDC is present, check the capacitor and motor. **C.** Verify bed function and return to service.
No Gatch up motion.	**A.** Check for 5 VDC on TP 6 on the CPU board **a.** If 5 VDC is present, go to step B. **b.** If 5 VDC is not present, replace CPU board. **B.** Check for 120 VAC on connector CC, pin 1 (black) and pin 3 (white), of the CPU board while pressing gatch up. **a.** If voltage is not present, replace the CPU board **b.** If 5 VDC is present, check the capacitor and motor. **C.** Verify bed function and return to service.
No Fowler up/or uneven motion.	**A.** Check for 5 VDC on TP 3 on the CPU board **a.** If 5 VDC is present, go to step B. **b.** If 5 VDC is not present, replace CPU board. **B.** Check for 120 VAC on connector GG, Pin 1 (white) and pin 2 (black), of the CPU board while pressing Fowler up. **a.** If voltage is not present, replace the CPU board **b.** If 5 VDC is present, check the capacitor and motor. **C.** Refer to Fowler Mechanism Customer Guide (2030-009-028) **D.** Verify bed function and return to service.
No Fowler down/or uneven motion.	**A.** Check for 5VDC on TP4 on the CPU board **a.** If 5 VDC is present, go to step B. **b.** If 5 VDC is not present, replace CPU board. **B.** Check for 120 VAC on connector GG, Pin 1 (white) and pin 3 (red), of the CPU board while pressing Fowler up. **a.** If voltage is not present, replace the CPU board **b.** If 5 VDC is present, check the capacitor and motor. **C.** Refer to Fowler Mechanism Customer Guide (2030-009-028) **D.** Verify bed function and return to service.

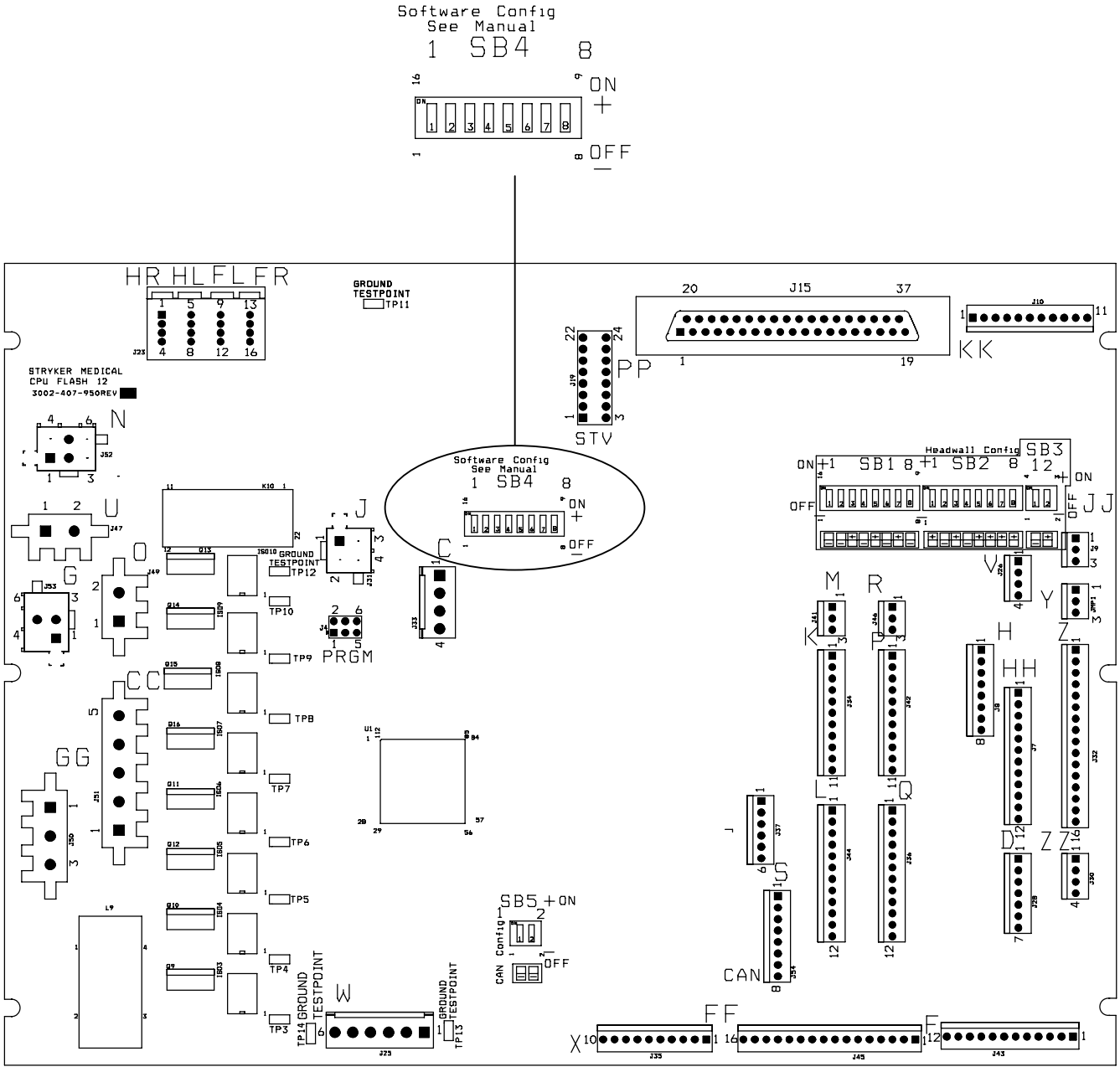
CPU BOARD – 3002–407–950



CPU BOARD – 3002–407–950

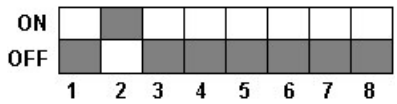
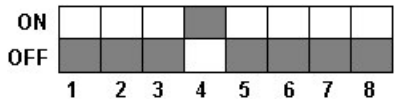
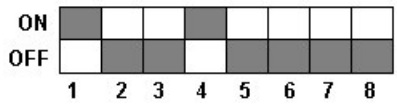
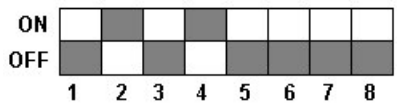
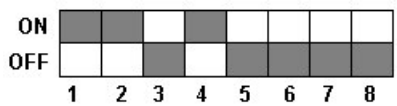
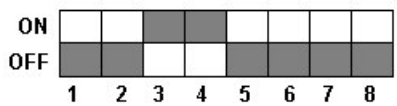
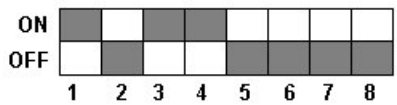
CABLE LOCATION	VOLTAGE	POSITIVE LEAD	NEGATIVE LEAD	DESCRIPTION
W	+12 VDC	Pin 1	Pin 4 or 5	Relays & Siderails Light Voltage
W	+5 VDC	Pin 2 & 3	Pin 4 or 5	+5 VDC from Power Supply
W	–12 VDC	Pin 6	Pin 4 or 5	Relays & Siderails Light Voltage
ZZ	+5 VDC	Pin 1 Red	Pin 4 Black	+5 VDC for Fowler Pot
ZZ	0 – 5 VDC	Pin 1 Red	Pin 3 Green	Fowler Pot Wiper
J	0 – 5 VDC	Pin 3 Red	Pin 2 White	Head Lift Pot Wiper
J	+5 VDC	Pin 4 Green	Pin 2 White	+5 VDC for Head Lift Pot
C	+5 VDC	Pin 1	Pin 2	+5 VDC for Foot Lift Pot
C	0 – 5 VDC	Pin 3	Pin 2	Foot Lift Pot Wiper
CC	0 VAC w/o Switch 120 VAC w/Switch	Pin 3 White	Pin 1 Black	Gatch Up
CC	0 VAC w/o Switch 120 VAC w/Switch	Pin 3 White	Pin 2 Red	Gatch Down
GG	0 VAC w/o Switch 120 VAC w/Switch	Pin 2 Black	Pin 1 White	Fowler Up
GG	0 VAC w/o Switch 120 VAC w/Switch	Pin 3 Red	Pin 1 White	Fowler Down
O	120 VAC	Pin 1	Pin 2	Line Voltage to Bed
N	0 VAC w/o Switch 120 VAC w/Switch	Pin 3 Black	Pin 1 White	Head Lift Down
N	0 VAC w/o Switch 120 VAC w/Switch	Pin 6 Red	Pin 1 White	Head Lift Up
G	0 VAC w/o Switch 120 VAC w/Switch	Pin 3 Black	Pin 1 White	Foot Lift Down
G	0 VAC w/o Switch 120 VAC w/Switch	Pin 6 Red	Pin 1 White	Foot Lift Up

SOFTWARE CONFIGURATION

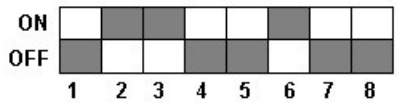
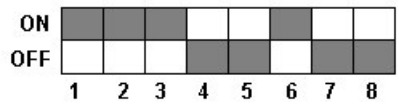
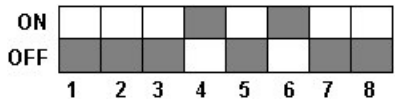
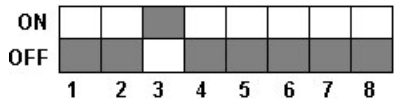


1. Locate switch bank 4, labeled SB4 on the CPU board (see above).
2. Move the switches to the appropriate positions for the specific bed (see page 18 & 19).
3. To verify the switch settings, check what the foot board LCD displays in the burn−in mode. For beds with a scale system, select software config. in the diagnostic mode.

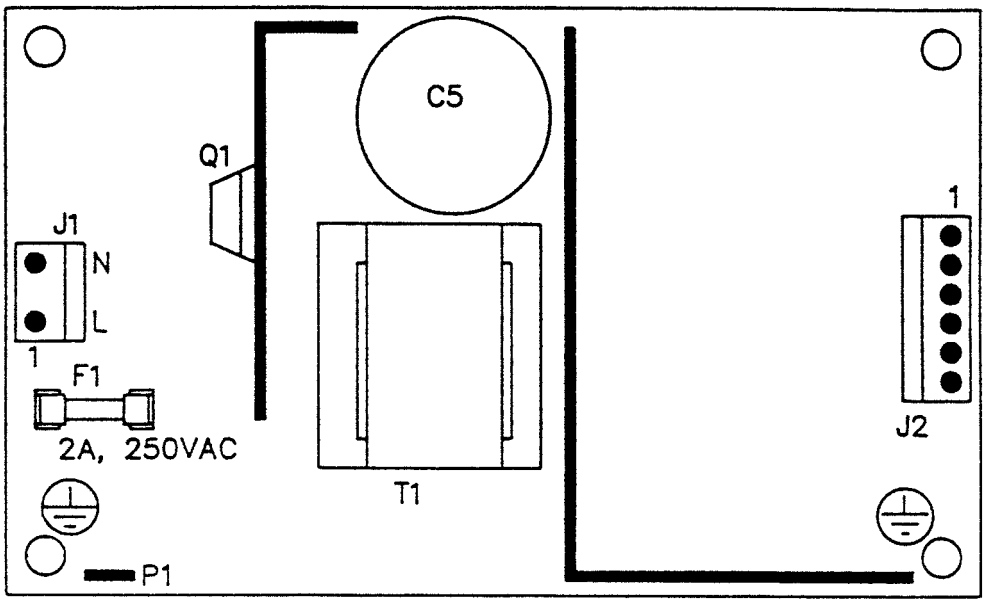
SOFTWARE CONFIGURATION (CONTINUED)

	FUNCTIONAL TEST
	ICU–KCI
	MED–SURG–KCI
	ICU–STANDARD BED
	ICU–ZOOM / STANDARD BED
	ICU–ZOOM / SCALE / BEDEXIT
	ICU–ZOOM / SCALE / ZONE CONTROL BEDEXIT
	ICU–SCALE / BEDEXIT
	ICU–SCALE / ZONE CONTROL BEDEXIT
	MED–SURG–STANDARD BED
	MED–SURG–ZOOM / STANDARD BED
	MED–SURG–ZOOM / SCALE / BEDEXIT

SOFTWARE CONFIGURATION (CONTINUED)

	MED–SURG–ZOOM / SCALE / ZONE CONTROL BEDEXIT
	MED–SURG–SCALE / BEDEXIT
	MED–SURG–SCALE / ZONE CONTROL BEDEXIT
	MED–SURG–SHORT / ZOOM / STANDARD BED
	MED–SURG–SHORT / ZOOM / SCALE / BEDEXIT
	MED–SURG–SHORT / ZOOM / SCALE / ZONE CONTROL BEDEXIT
	MATERNITY

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

Quick Reference Replacement Parts List

ELECTRICAL COMPONENTS

CPU BOARD	3002–407–950
FOOT BOARD KEYBOARD (S/R LIGHTS, LOCKOUTS, ETC.)	3001–500–028
FOOT BOARD SCALE DISPLAY	3001–507–100
FOOT BOARD SCALE KEYBOARD	3001–507–910
FOOT BOARD BED EXIT KEYBOARD	3001–508–900
POWER SUPPLY	59–157

SIDERAIL BOARDS

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

OTHER COMPONENTS

CAPACITOR, FOWLER & GATCH	59–779
CAPACITOR, LIFT	59–778
CASTER, 8”	3001–200–90
CASTER, STEER, 8”	3001–200–80
COIL CORD, LIFT POWER	3001–200–864
COIL CORD, LIFT SENSOR	3001–200–815
ISOLATION PLATE KIT, LIFT MOTOR	3000–200–723
LOAD CELL	3002–307–57
MOTOR COUPLER KIT, LIFT	3000–200–725
MOTOR, FOWLER & GATCH W/CLUTCH	3001–300–705
MOTOR, LIFT (SAME FOR HEAD AND FOOT END)	3000–200–213
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
SINGLE TUBE OF GREASE	3000–200–700

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.

⚠ CAUTION

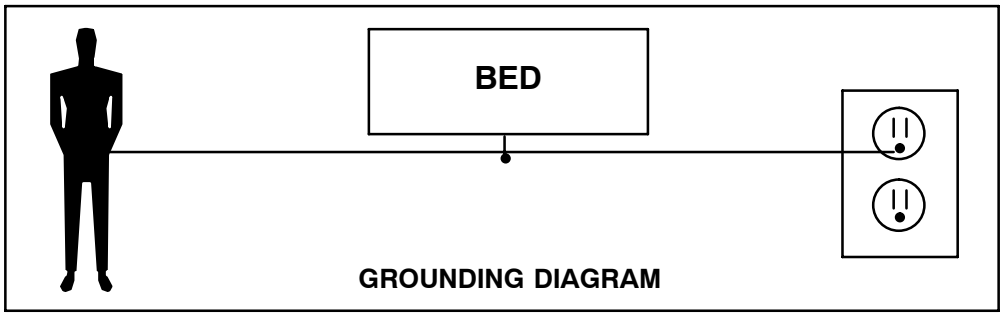
All electronic service parts will be shipped in static shielding bags. Do not open the bags until you have completed steps 2 and 3 of the following procedure. Do not place unprotected circuit boards on the floor. All circuit boards to be returned to Stryker Medical should be shipped in the static shielding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

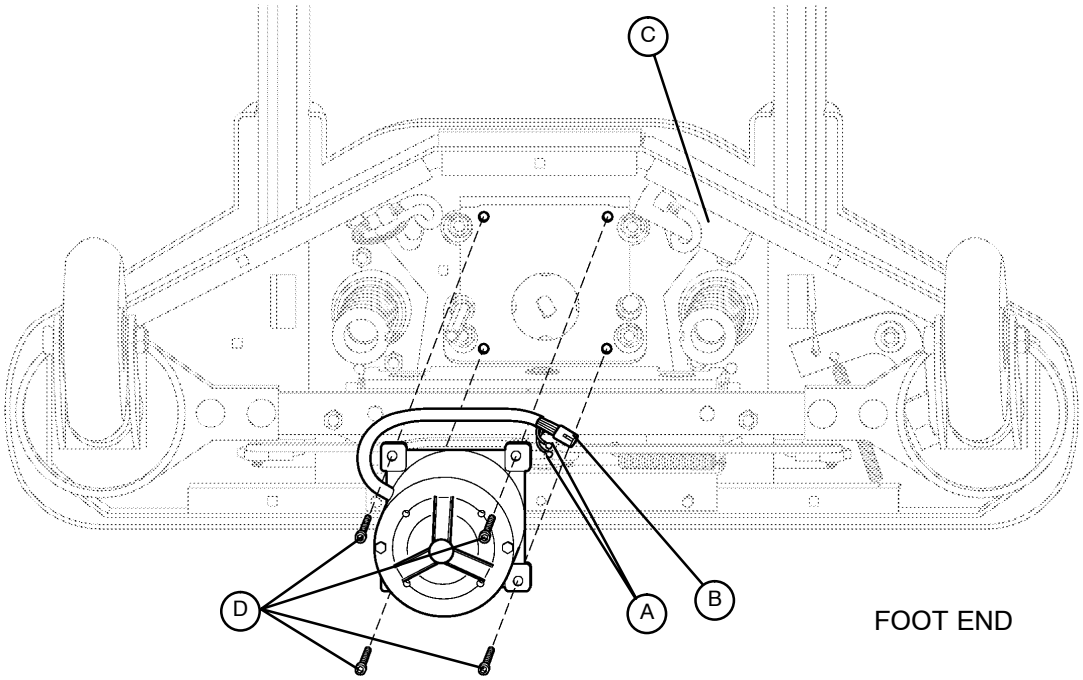
NOTE

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 w/Extension	5/16” Socket	Floor Jack
Side Cutters	7/16” Open End Wrench	2x4 (or Equivalent)
3/8” Drive Ratchet	1/4” Drive Ratchet	



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:

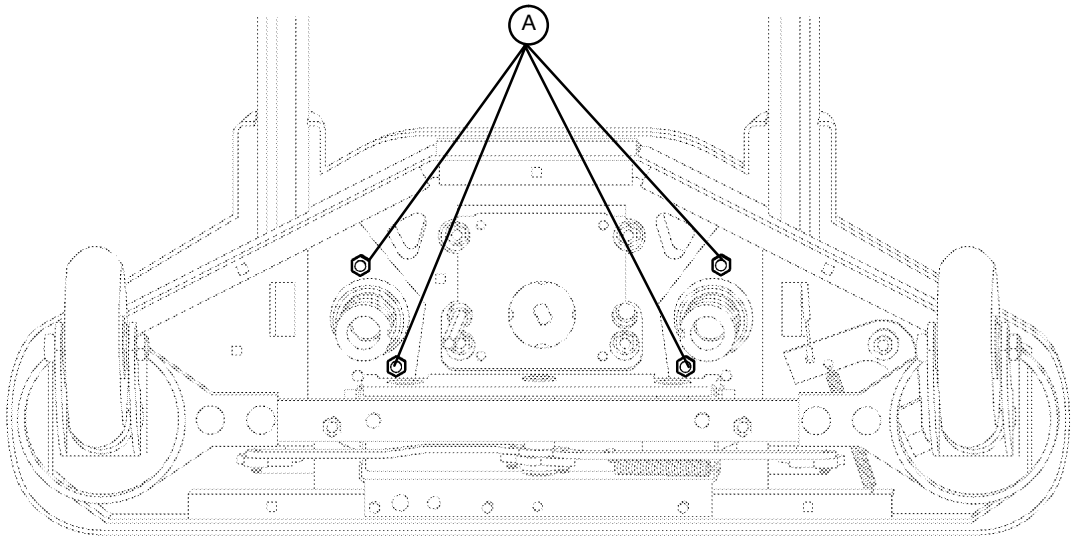
#2 Phillips Screwdriver	Bungee Cord (or Equivalent)	5/16” Socket Wrench
Side Cutters	9/16” Socket Wrench	Floor Jack
7/32” Hex Allen Socket Wrench	Sawhorses (or Equivalent)	2x4 (or Equivalent)
3/8” Socket Wrench (w/ 6” extension)		

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 24).
5. Remove lift potentiometer (refer to procedure on 27).
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 30. Refer to the procedure on 27 for reattachment of the lift potentiometer.

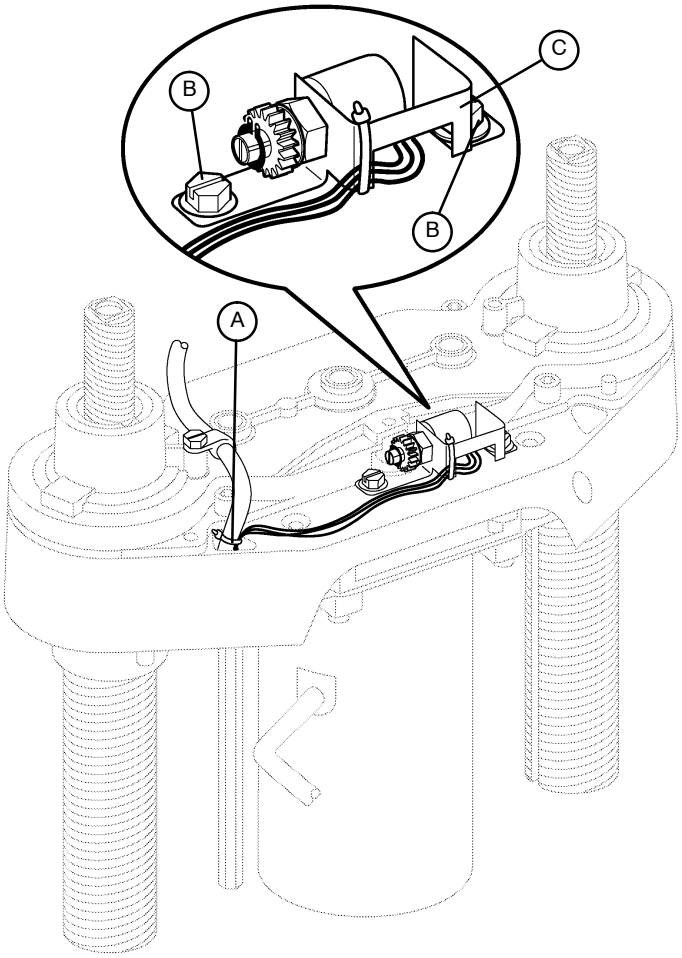
11. Reverse the above steps to reinstall the lift housing assembly after service is completed.

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	Bungee Cord (or equivalent)	5/16” Socket Wrench
3/8” Open End Wrench	Side Cutters	



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. Turn it back counterclockwise two full (360°) revolutions. This allows a ”window” position for proper upper and lower limits.
11. Reverse steps 4–8 to install the new pot and pot housing assembly.
12. After installing the new pot, the “burn–in” procedure must be followed.

NOTE
Be sure to maintain the pot position while installing.

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. 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 power cord from the wall socket to complete the “burn in” mode.
4. Plug the power cord into the wall socket and verify the lift limits are set properly before returning the bed to service.
5. If your bed has an IV Caddy, a lower limit must be burned in. Run the litter down to 19.5 inches. Hold the Bed Up/Down Lock button until the light flashes.

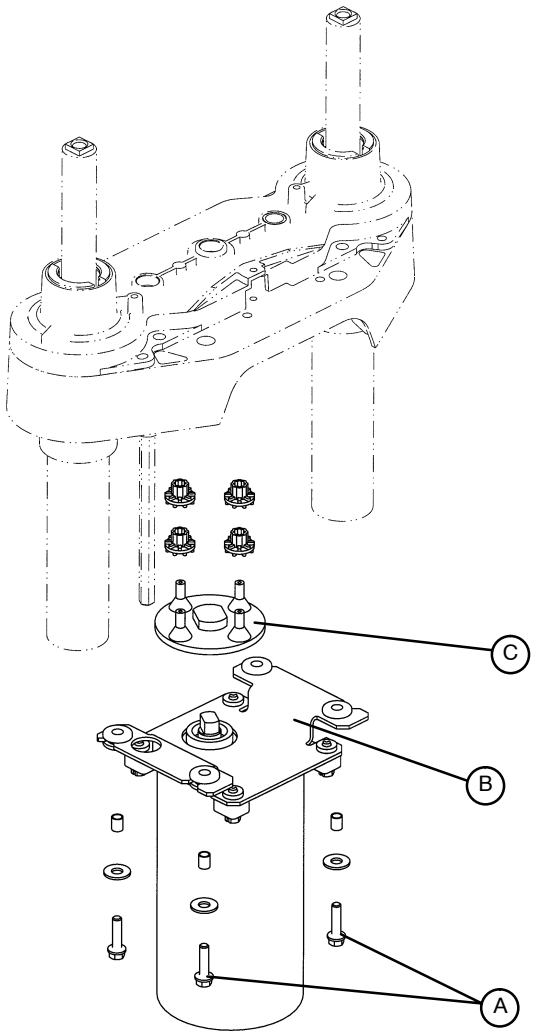
⚠ CAUTION

Do not run the litter all the way down while in the diagnostics mode. Damage to the botton lift covers could result.

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)		

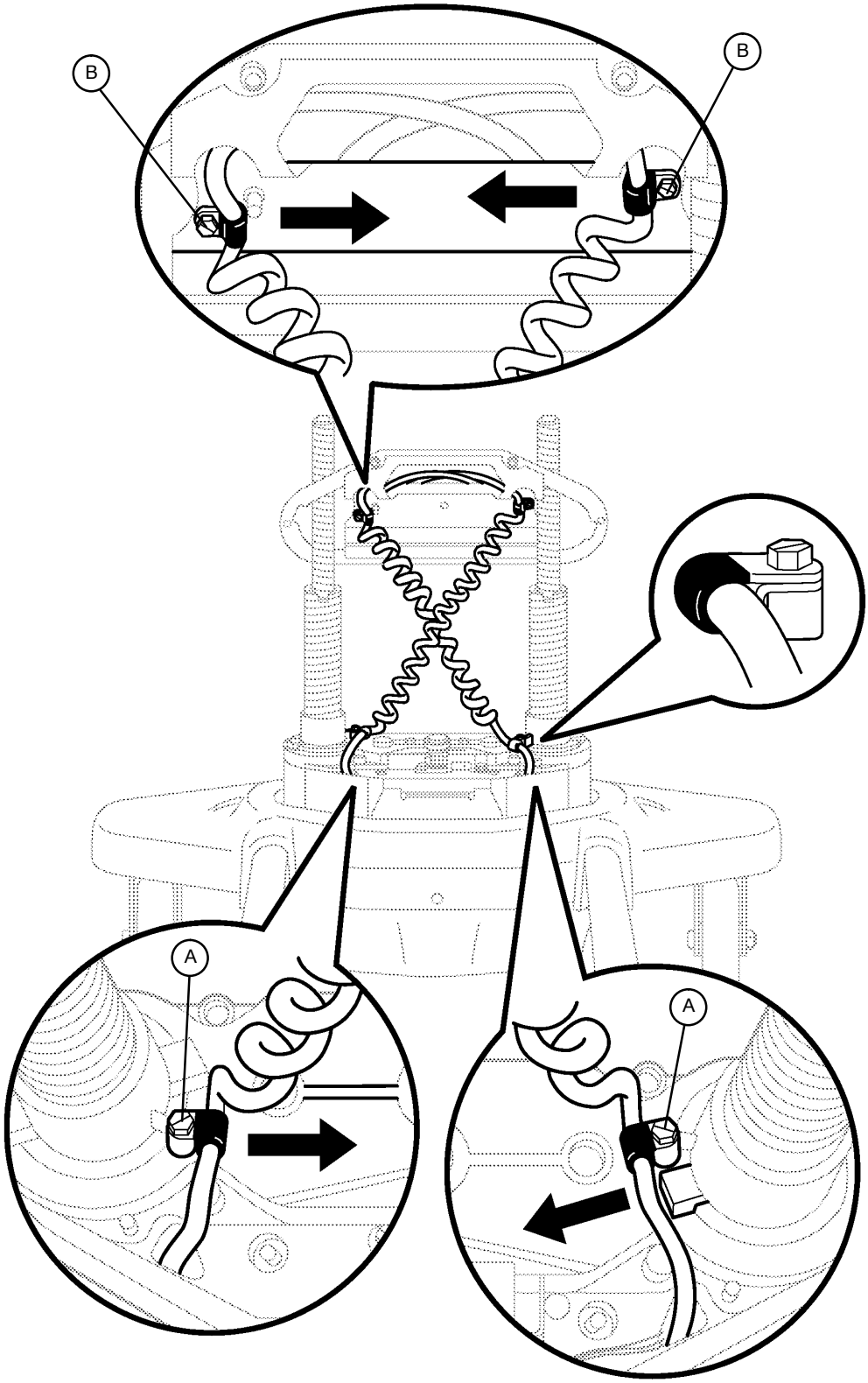
Procedure:

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.**



VIEW FROM CENTER OF BED

SCALE SYSTEM DIAGNOSTICS AND CALIBRATION

Diagnostic Mode Functions:

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

Diagnostic Mode:

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

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

SCALE SYSTEM DIAGNOSTICS AND CALIBRATION (CONTINUED)

Displaying Individual Load Cell Outputs:

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

1. Enter the diagnostic mode. The LCD will display “ANGLE CALIBRATE” when the diagnostic mode is activated.
2. Repeatedly press and release the up or down arrow button (ZERO or SCALE ON/OFF) until the LCD displays “DISPLAY CORNER CTS”.
3. Press and release the ENTER button (LBS/KGS). The LCD should display “$\wedge \vee$ SELECT CORNER”.

   The two buttons listed below function as POSITION buttons to select the four corners of the bed’s litter. Whenever the LCD displays “$\wedge \vee$ SELECT CORNER”, press one of these buttons to cycle through the corners and to select the load cell assembly at the desired corner.

   A. ZERO = cycle up through the four corners

   B. SCALE ON/OFF = cycle down through the four corners

4. Press and release the position button that corresponds with the load cell to be checked. The LCD should display “X/X=NNN.N”. ”X/X” represents the initials of the selected corner, i.e. H/R will be displayed for the patient’s head end, right side. ”NNN.N” represents the resistance of the load cell.
5. Repeat step four for each corner. Head end weight readings will normally be lower than foot end weights. Weight readings should be constant. A drifting 000.0 or 999.9 weight, or a reading that does not change when weight is applied to that corner of the bed indicates a problem with the selected load cell assembly or load cell cable.

Verifying Scale Accuracy:

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

Scale Calibration:

NOTE

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

Calibrate the scale system with a known weight of approximately 50 pounds.

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

SCALE SYSTEM DIAGNOSTICS AND CALIBRATION (CONTINUED)

Scale Calibration (Continued):

6. If exactly 50 pounds is not available, change the display to match the weight you are using. Pressing the CHANGE EQUIP button will move the cursor position to the right. Pressing the up arrow (ZERO) button will increase the numbers. Pressing the down arrow (SCALE ON/OFF) button will decrease the numbers. Scroll through the numbers until they match the weight you will use for calibration.
7. Place the 50 pound calibrated weight in the center of the bed. Press and release the ENTER button and the LCD will display “PRESS REV. TREND”. Press and hold the button with the Reverse Trendelenburg symbol (feet down/head up) until the bed stops. Release the button and the LCD will display “DO NOT TOUCH BED”. Press and hold the Reverse Trendelenburg button again until the bed stops. Release the button and the LCD will display “DO NOT TOUCH BED”.
8. The LCD will display “PRESS TREND.” Press and hold the button with the Trendelenburg symbol (feet up/head down) until the bed stops. Release the button and the LCD will display “DO NOT TOUCH BED”. Press and hold the Trend button again until the bed stops. Release the button and the LCD will display “DO NOT TOUCH BED”.
9. Repeat steps 5 – 8 with 200 pounds.
10. The LCD will display the weight. This indicates the calibration procedure is complete.
11. Level the bed at a full up or full down position. Remove the weight and zero the bed.
12. 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 33).

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 22)
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 22)
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, the “burn−in” procedure must be performed for the Fowler and lift motor potentiometers.
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 33).

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. Reinstall the litter cover.
10. Perform the potentiometer “burn−in” procedure as described on page 39.

FOWLER POTENTIOMETER “BURN–IN” PROCEDURE

NOTE

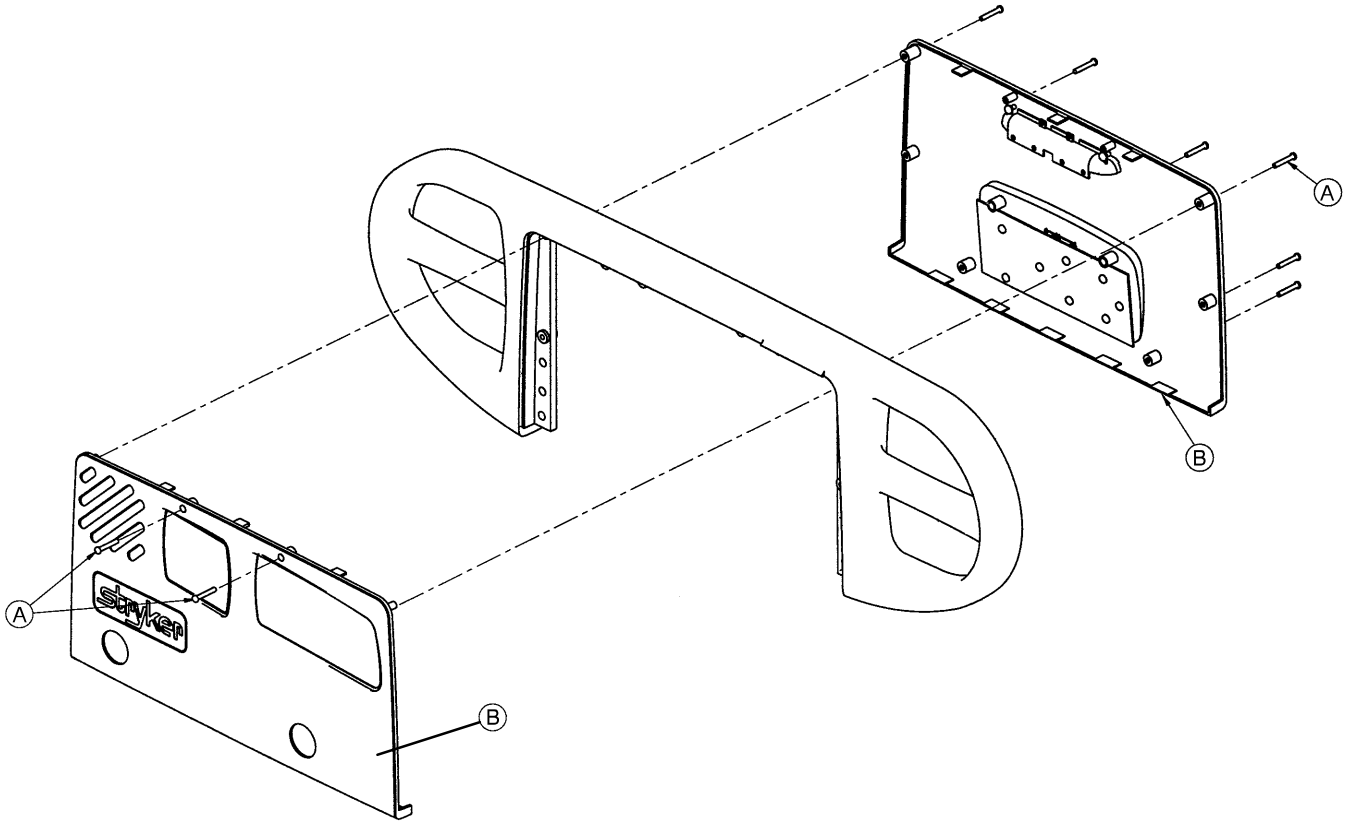
It requires **two people** to enable the diagnostics mode for the bed.

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..

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.

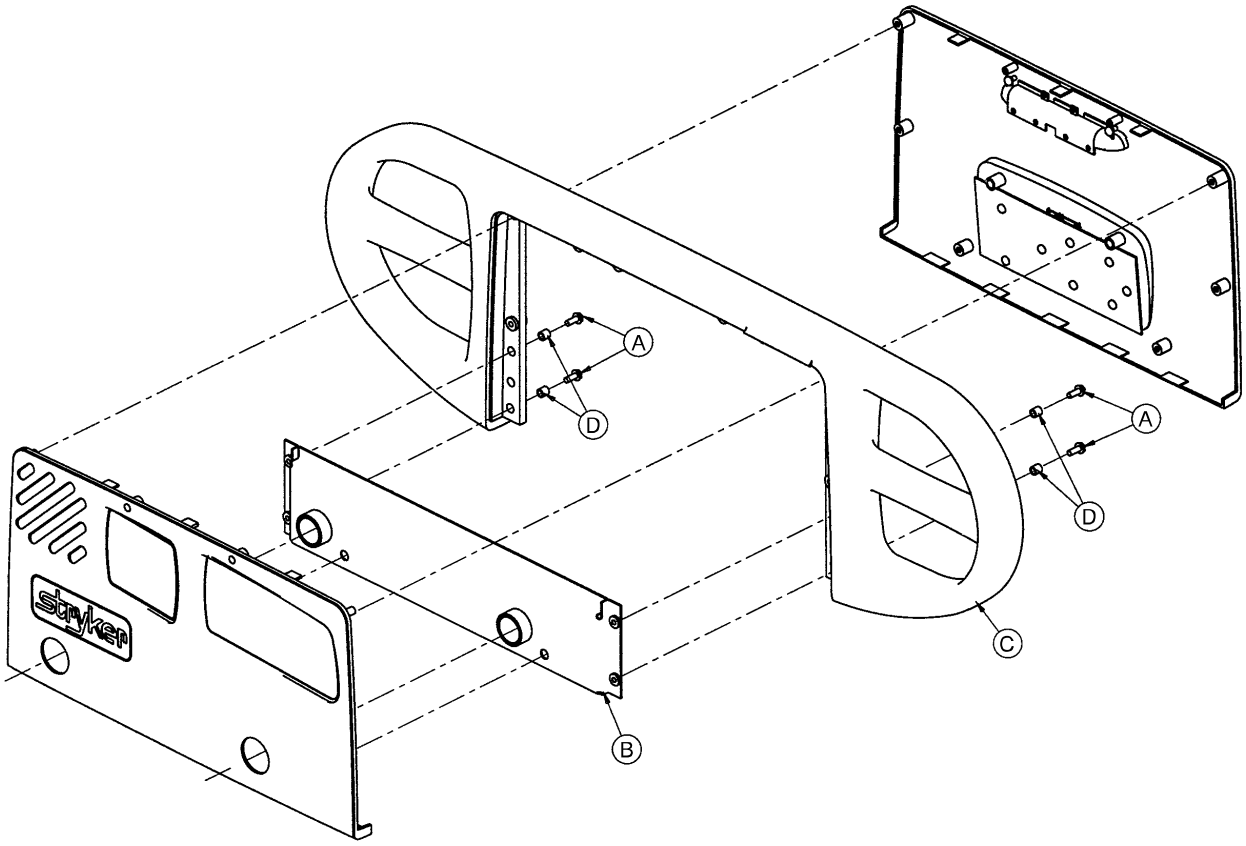
NOTE

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 40).
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.

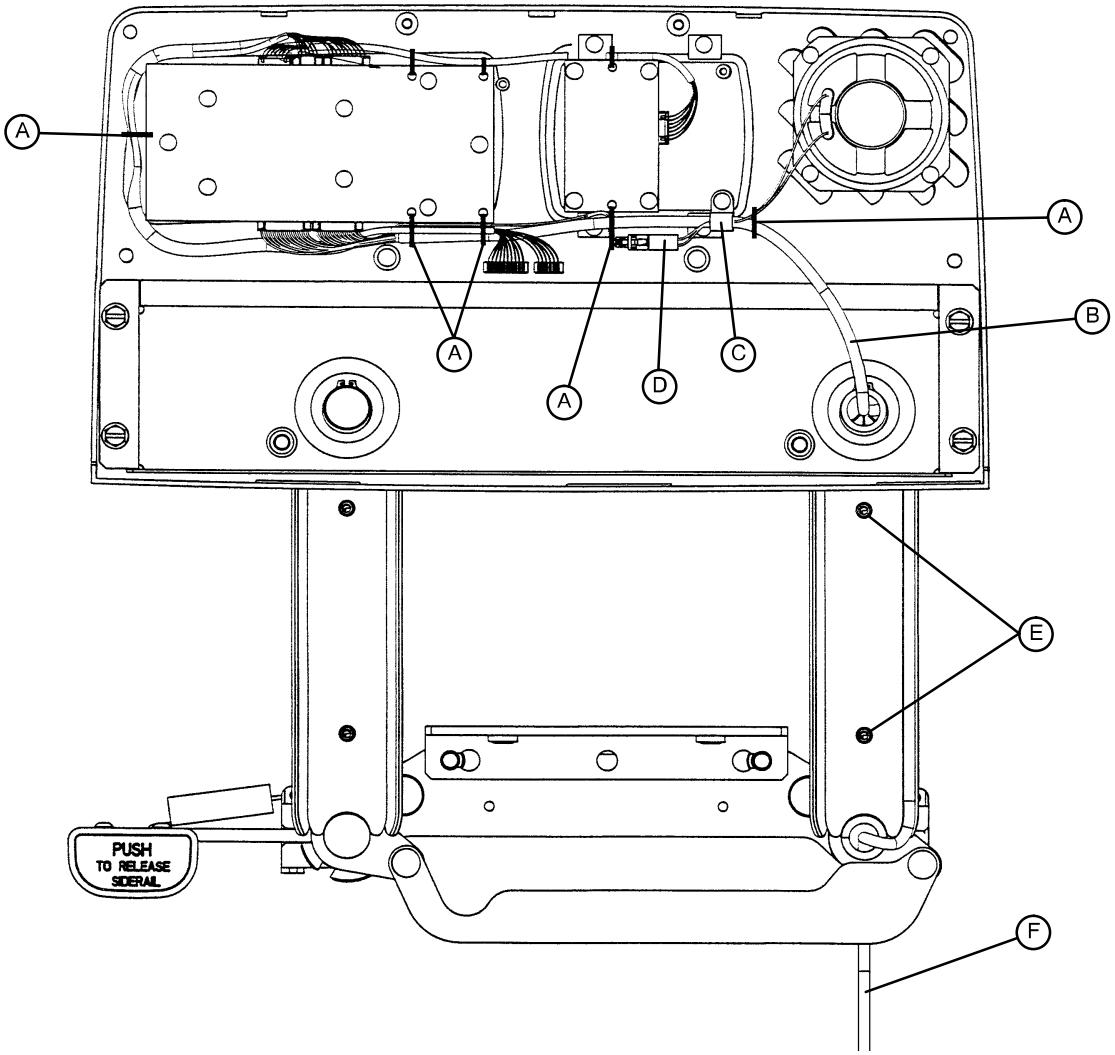
4. Pull up on the molded rail (C) to remove it from the siderail assembly.
5. Reverse the above steps to install the new molded rail.

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

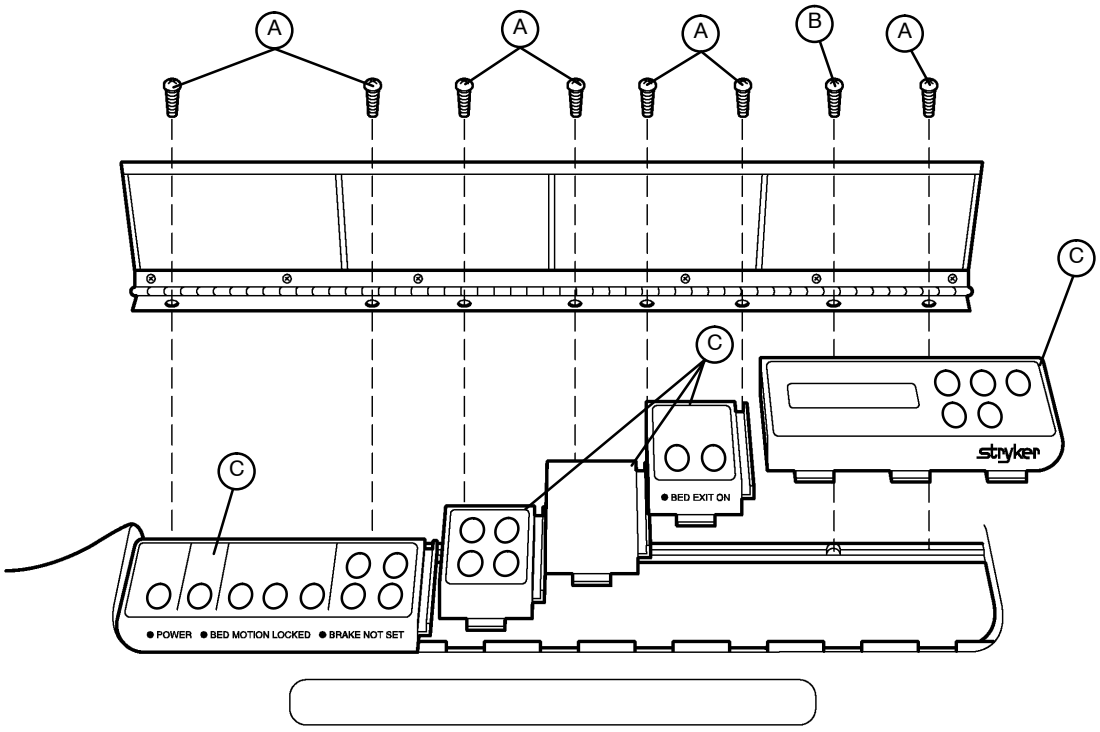
The speaker and nurse call are optional equipment and may not be in the siderail as shown.

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 42, before reattaching the pivot arm cover. If not done properly, the cover will not fit tightly and damage could occur to the cables.

FOOT BOARD HINGE REMOVAL



Required Tools:

#2 Phillips Screwdriver

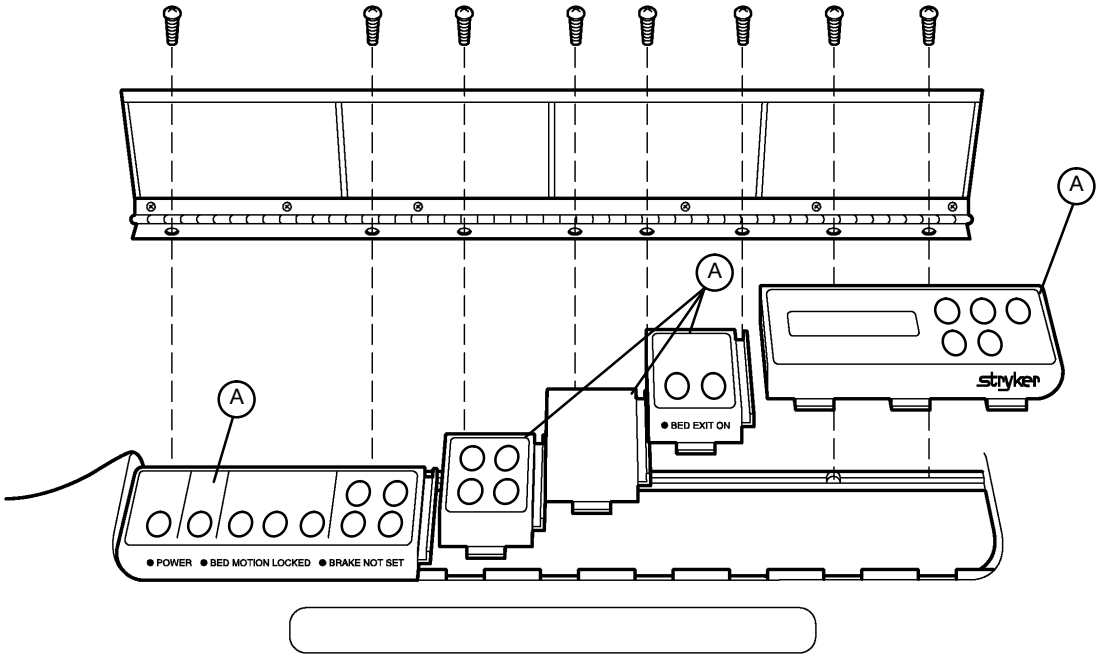
Procedure:

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.

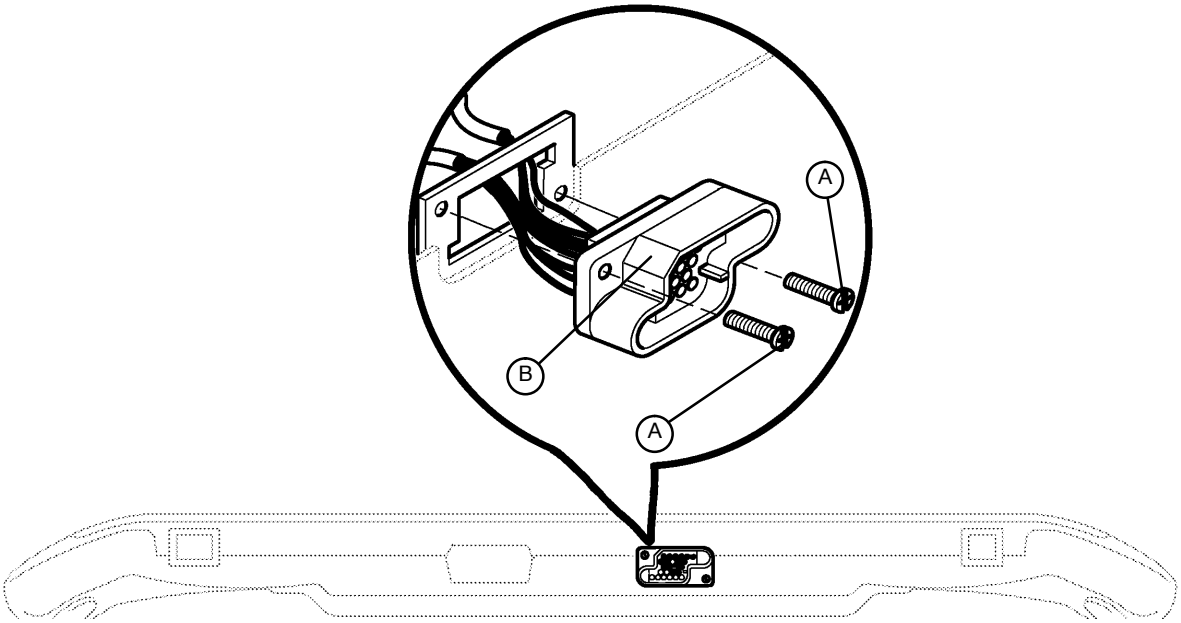
⚠ **CAUTION**

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

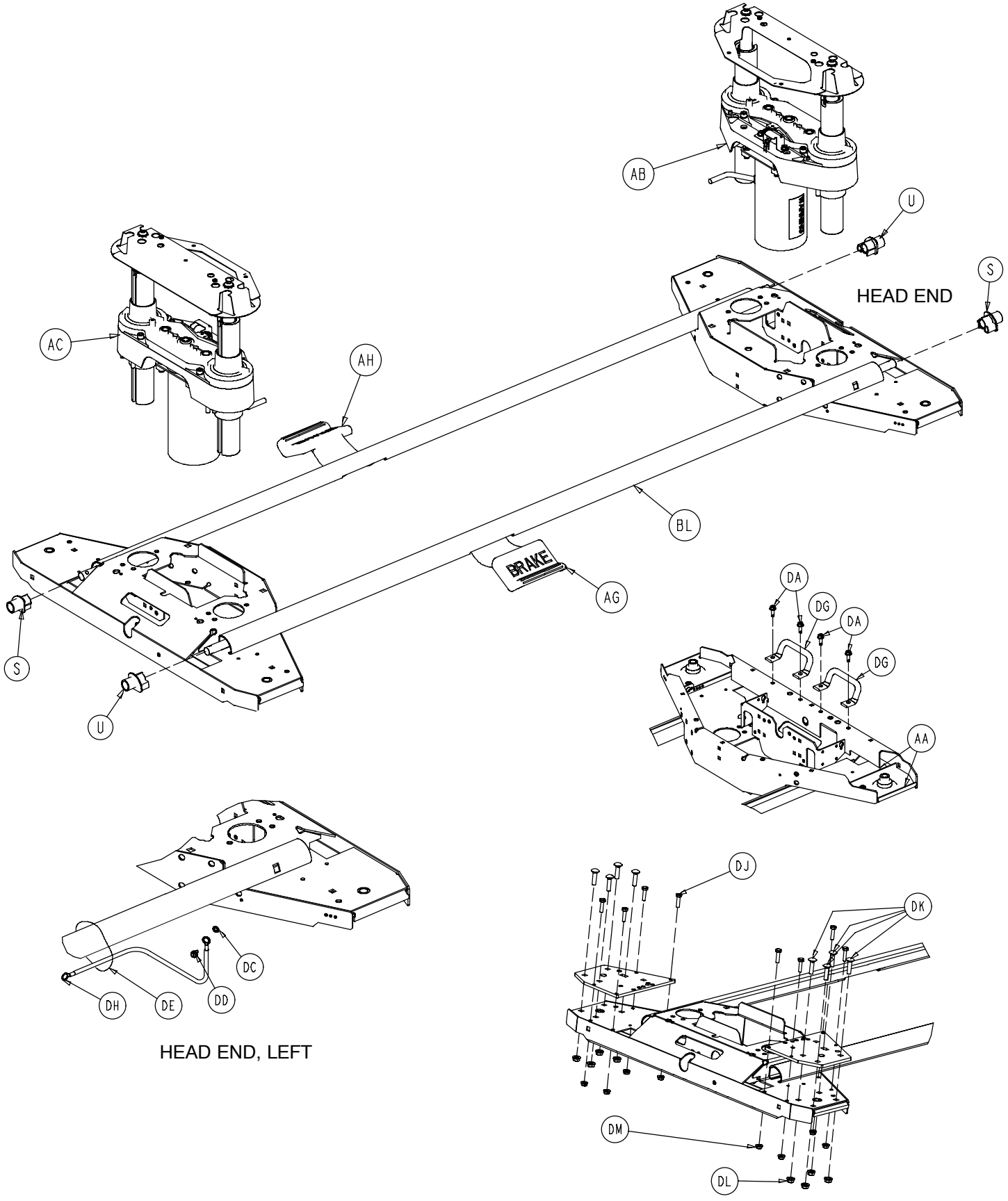
Procedure:

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 22 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

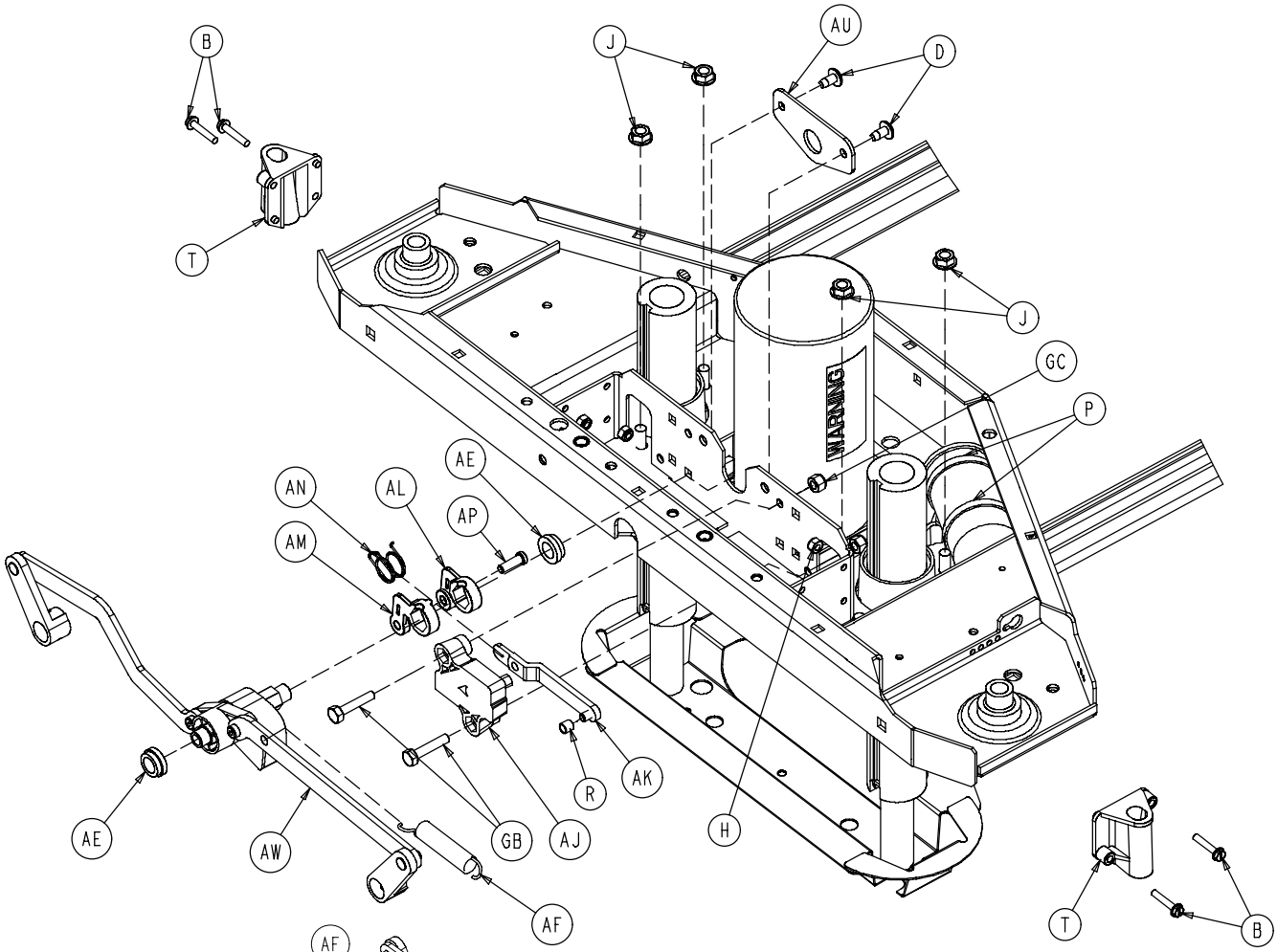
Be sure to install the plug with the flat edge (B) at the top left, as shown in the illustration, or the foot board interface plug will not mate properly with the bed and damage to the plug or foot board could result.

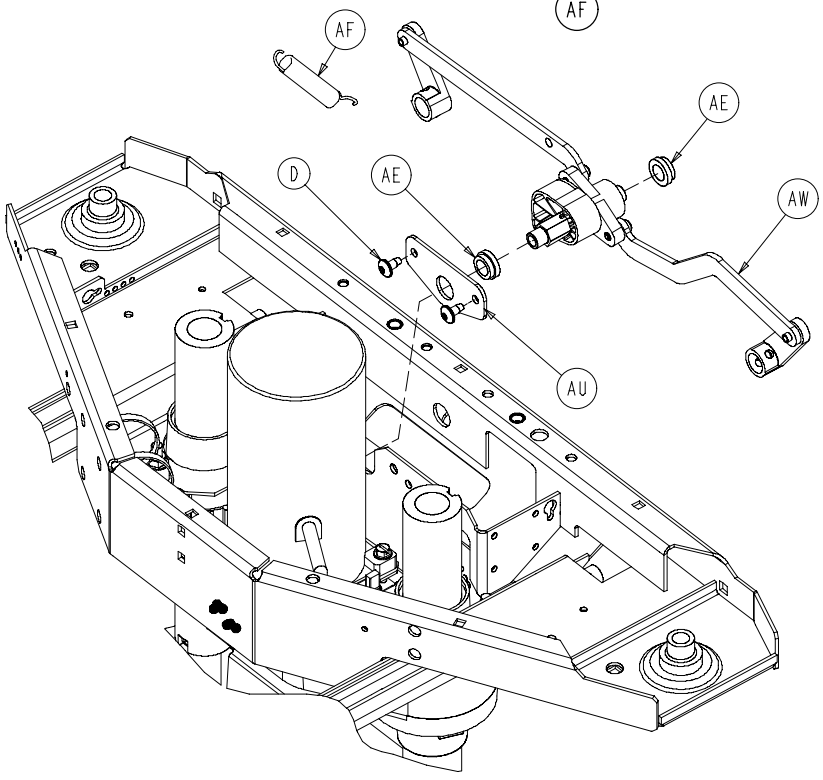
Base Assembly and Options

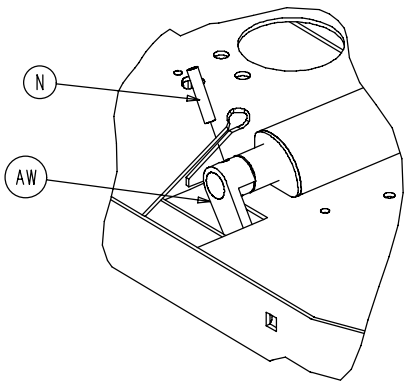


HEAD END, LEFT

Base Assembly and Options

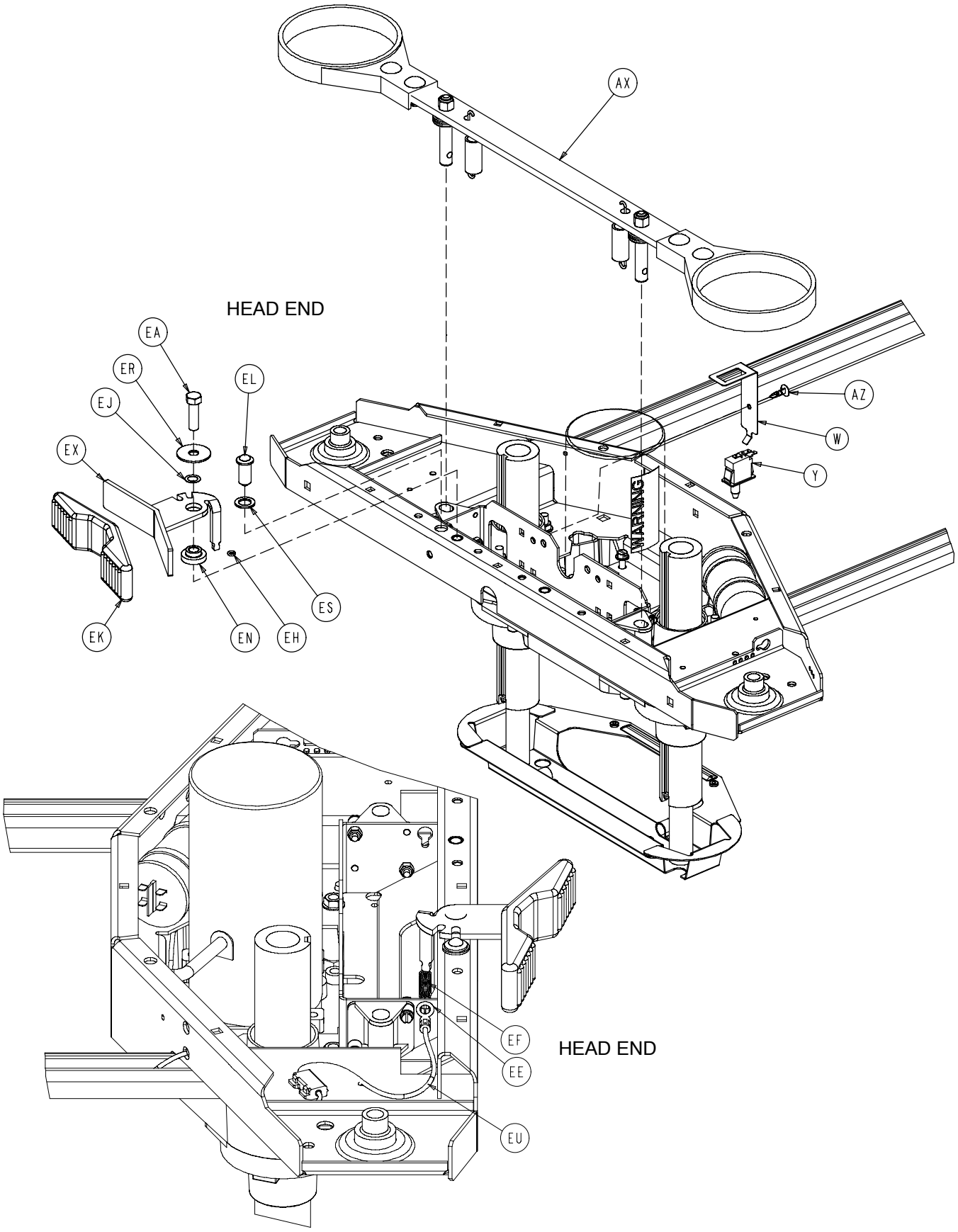




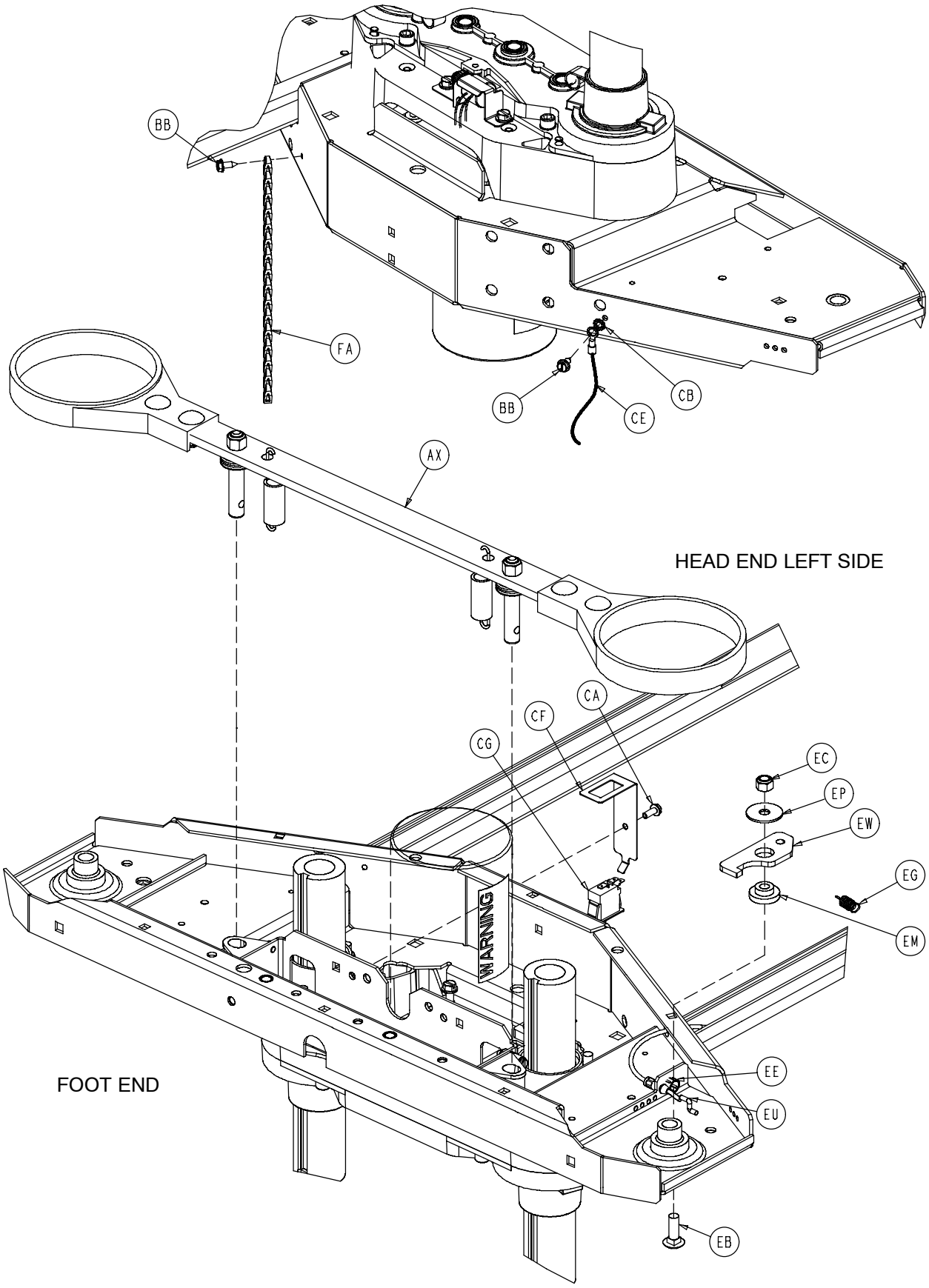


Installation of Roll Pin
into Brake Shaft Crank
Typical 4 Places

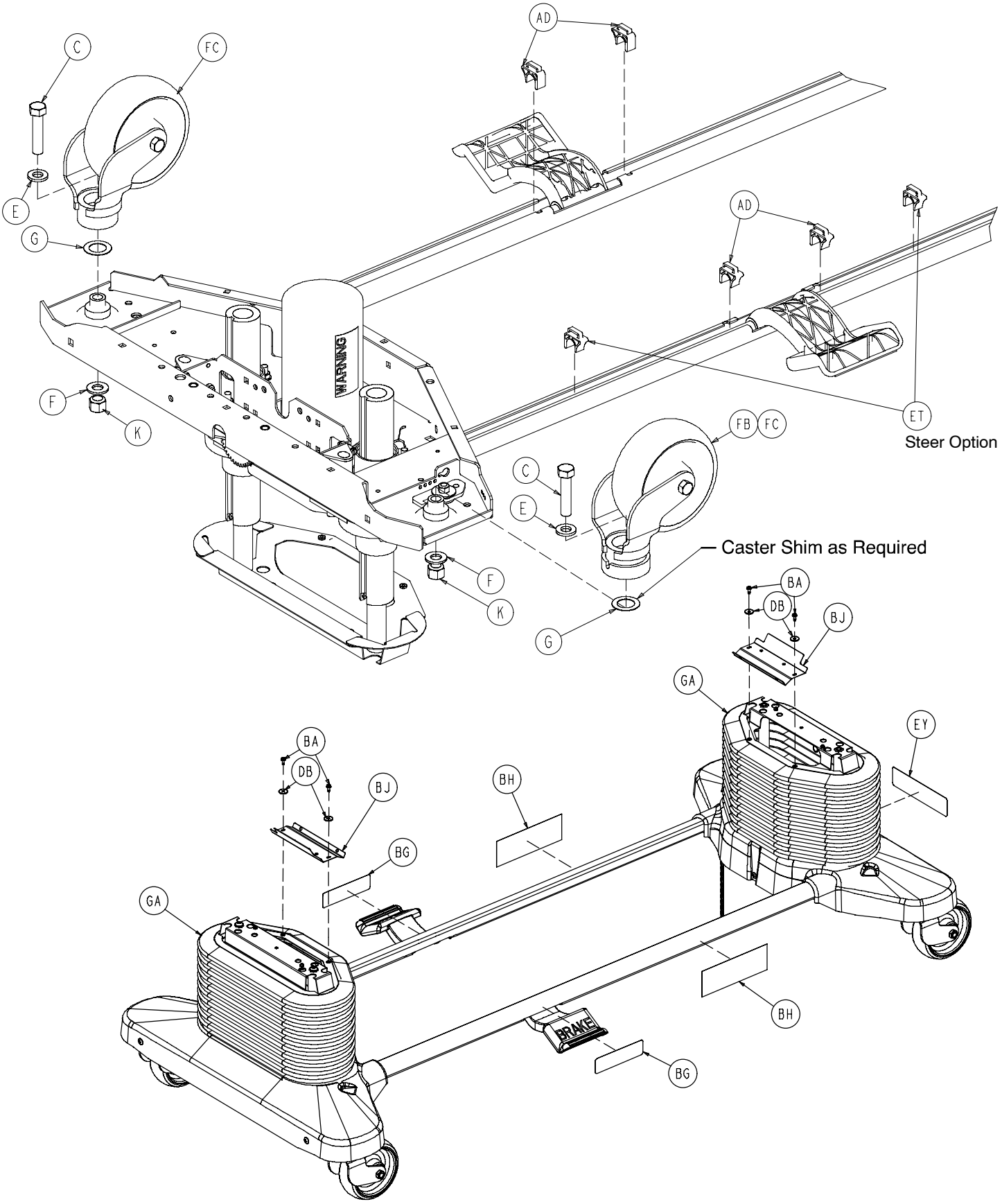
Base Assembly and Options



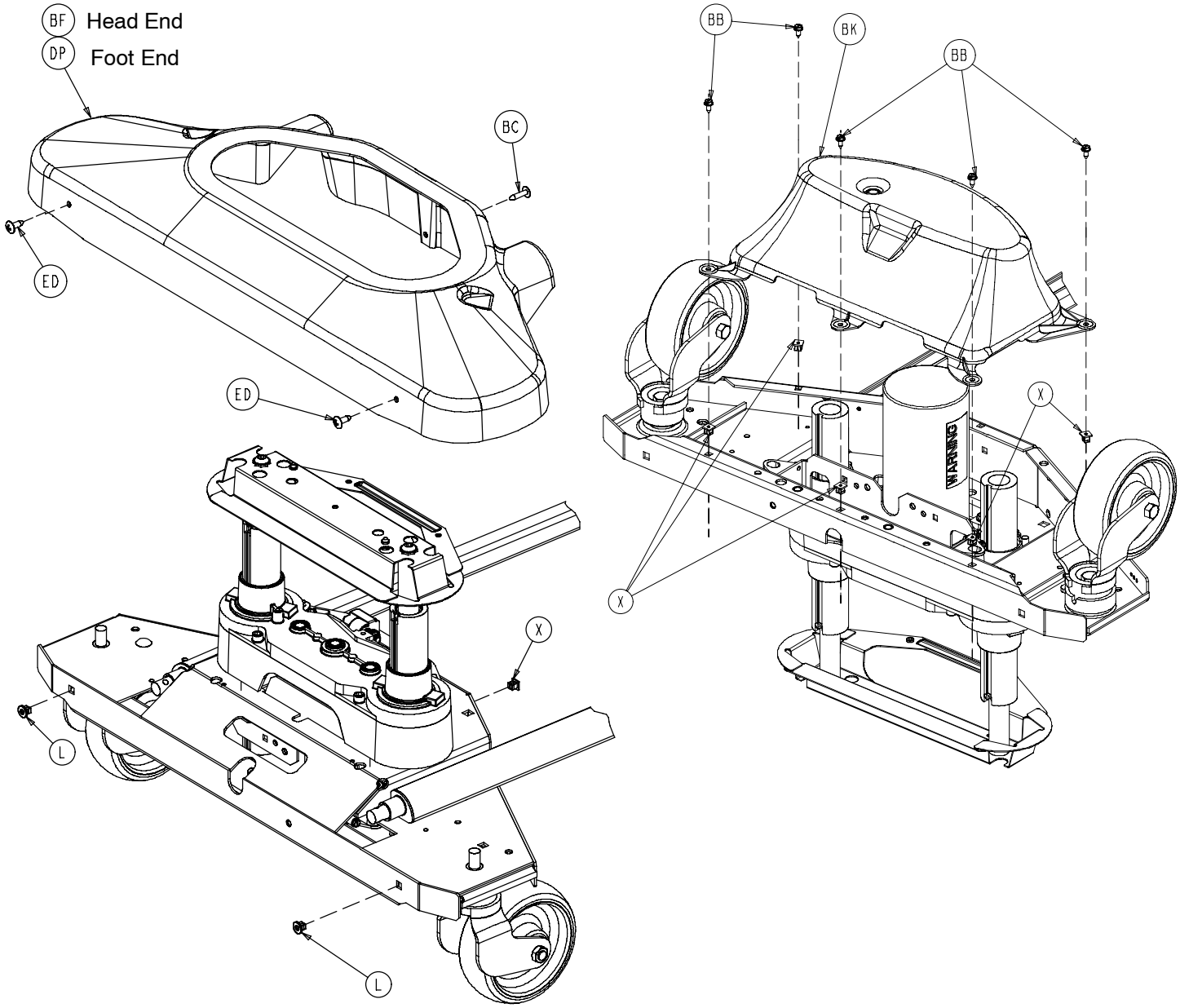
Base Assembly and Options



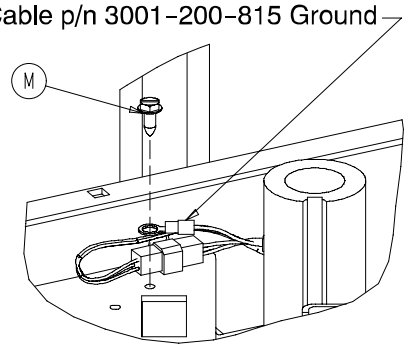
Base Assembly and Options



Base Assembly and Options



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.	Item	Part No.	Part Name	Qty.
B	3–122	Hex Washer Hd. Screw	8	AC	(page 54)	Foot End Lift Assembly	1
D	7–52	Truss Hd. Torx	4	AD	3001–200–306	Brake Pedal Shaft Bearing	4
E	11–310	Washer	4	AE	3001–200–317	Brake Cam Shaft Bushing	4
G	11–343	Washer	4	AF	3001–200–334	Brake Return Ext. Spring	2
H	16–2	Nylock Nut	8	AG	(page 59)	Brake Shaft Assembly, Lt.	1
J	16–98	Hex Flange Nut	8	AH	(page 59)	Brake Shaft Assembly, Rt.	1
K	16–49	Nylock Jam Nut	4	AJ	3002–201–301	Brake Ratchet Track	1
L	18–36	Plastic Clip Nut	4	AK	3002–200–302	Brake Ratchet Link Ass'y	1
M	3–224	Hex Washer Hd. Screw	2	AL	3002–200–305	Brake Ratchet Crank, Lt.	1
N	26–14	Roll Pin	4	AM	3002–200–306	Brake Ratchet Crank, Rt.	1
P	38–151	Cable Tie	4	AN	3002–200–307	Brake Latch Spring	1
R	3002–200–316	Brake Track Roller	1	AP	3002–200–308	Brake Ratchet Crank Pin	1
S	3000–200–305	Brake Shaft Bushing, Rt.	2	AU	3002–200–314	Brake Mounting Bracket	2
T	3000–200–328	Brake Guide Bushing	4	AW	(page 60)	Brake Crank Assembly	2
U	3000–200–331	Brake Shaft Bushing, Lt.	2	AX	(page 61)	Brake Bar Assembly	2
W	3000–200–343	Brake Switch Bracket	1	AZ	3000–300–115	Stand–Off	1
X	3000–300–2	Plastic Clip Nut	10	GA	2025–000–101	Bellows	2
Y	3000–300–58	Plunger Switch	1	GB	3–74	Hex Hd. Bolt	2
Z	3000–300–113	8" Cable Tie	6	GC	16–28	Nylock Nut	2
AB	(page 54)	Head End Lift Assembly	1				

Base Assembly, TriaDyne III Bed – Part Number 2033–245–3 (Reference Only)

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
C	3–333	Hex Hd. Cap Screw	4	DC	13–18	Ext. Tooth Lock Washer	1
X	3000–300–2	Plastic Clip Nut	1	DD	23–25	Hex Washer Hd. Screw	1
AB	(page 54)	Head End Lift Assembly	1	DE	38–151	Cable Tie	1
AC	(page 54)	Foot End Lift Assembly	1	DG	3001–245–115	Tie Down Bar	4
BA	3–224	Hex Washer Hd. Screw	4	DH	3001–245–801	Ground Jumper	1
BB	23–25	Hex Washer Hd. Screw	11	DJ	3–54	Hex Hd. Cap Screw	16
BD	52–800	Mounting Standoff	1	DK	5–16	Carriage Bolt	15
BF	(page 65)	Head End Uni–Pan Cover	1	DL	16–98	Hex Flange Nut	15
BJ	3001–200–8	Bellows Bracket	1	DM	16–315	Hex Flange Nut	16
BK	3001–200–22	Bottom Cover	2	DN	3001–245–150	Reinforcement Plate	4
BL	3002–245–102	Base Weldment	1	DP	2033–200–9	Foot End Uni–Pan Cover	1
DA	3–226	Hex Washer Hd. Screw	8	GA	2030–000–101	Bellows	2
DB	11–156	Flat Washer	2				

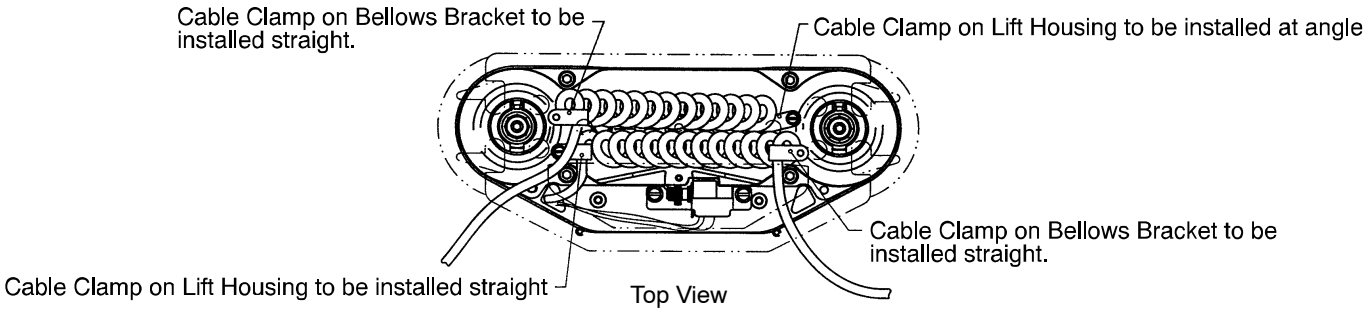
Base Assembly, Steer Option – Part Number 3001–999–137 (Reference Only)

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
EA	3–349	Hex Hd. Cap Screw	1	EM	3000–200–339	Steer Lock Lever Bushing	1
EB	5–16	Carriage Bolt	1	EN	3000–200–341	Steer Pedal Bushing	1
EC	16–11	Nylock Nut	1	EP	3000–200–347	Special Washer	1
ED	23–92	Truss Phillips Hd. Screw	4	ER	3000–200–348	Special Wide Washer	1
EE	30–52	Snap Bushing	2	ES	3000–200–349	Special Narrow Washer	1
EF	38–414	Pedal Extension Spring	1	ET	3001–200–306	Brake Pedal Shaft Brg.	2
EG	38–416	Lever Extension Spring	1	EU	3001–200–342	Steer Cable Assembly	1
EH	45–8	O–Ring	1	EW	3001–200–370	Steer Lock Lever	1
EJ	52–305	Brass Flat Washer	1	EX	3001–200–371	Steer Pedal Arm	1
EK	3000–200–336	Steer Pedal	1	EY	5000–90–13	Steer Label	1
EL	3000–200–337	Push Fit Ball Plunger	1				

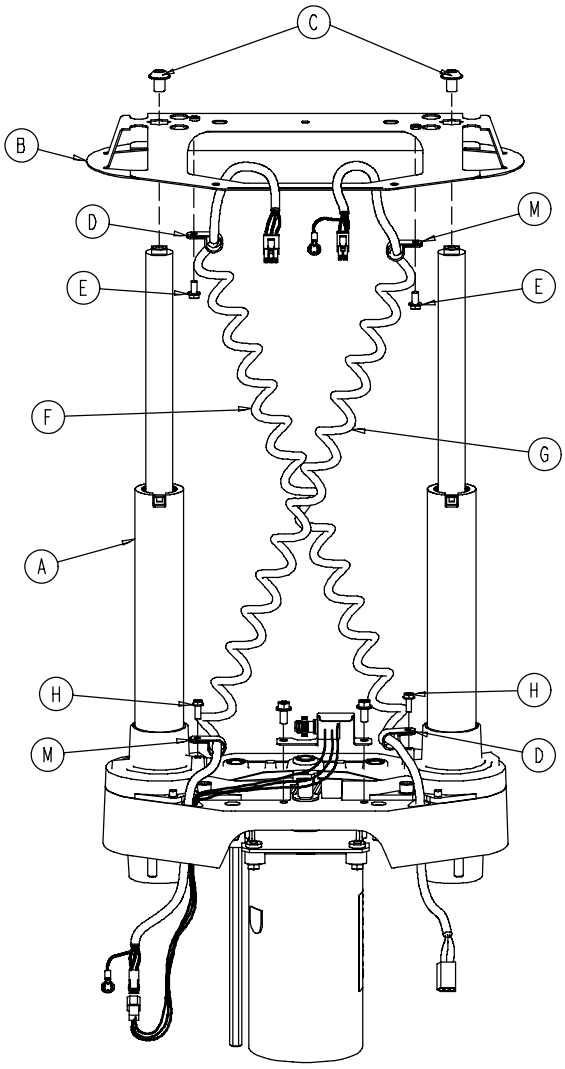
8" Casters – 3001–999–139 (Ref.)

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
FA	3001–200–54	8" Ground Chain	1	FD	2025–1–47	Caster Cover, Right	4
FB	(page 63)	8" Steer Caster Assembly	1	FE	2025–1–48	Caster Cover, Left	1
FC	(page 62)	8" Caster Assembly	3				

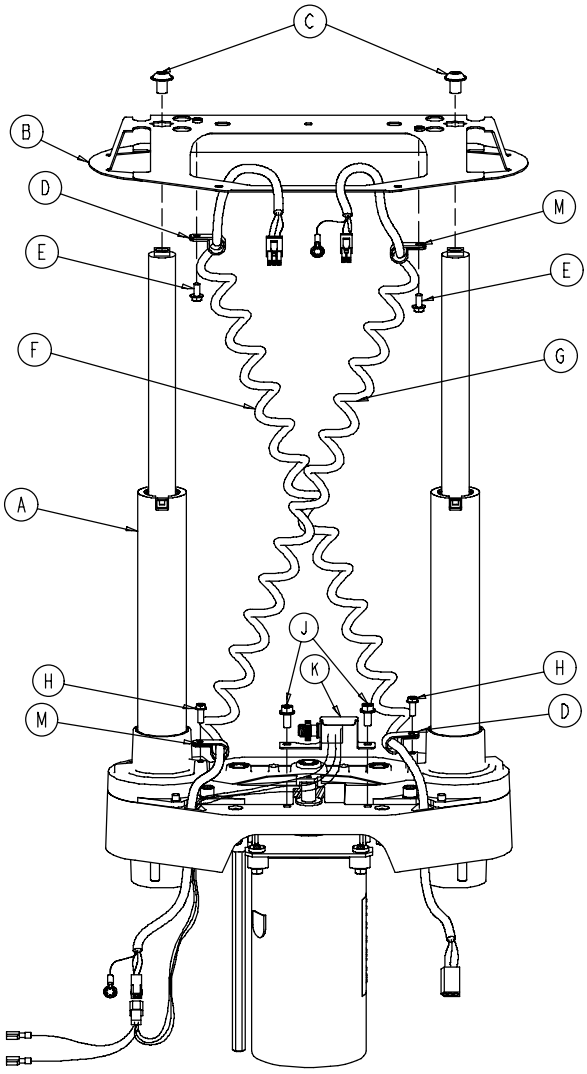
Lift Assembly, Head and Foot End



2033–245–250 Foot End

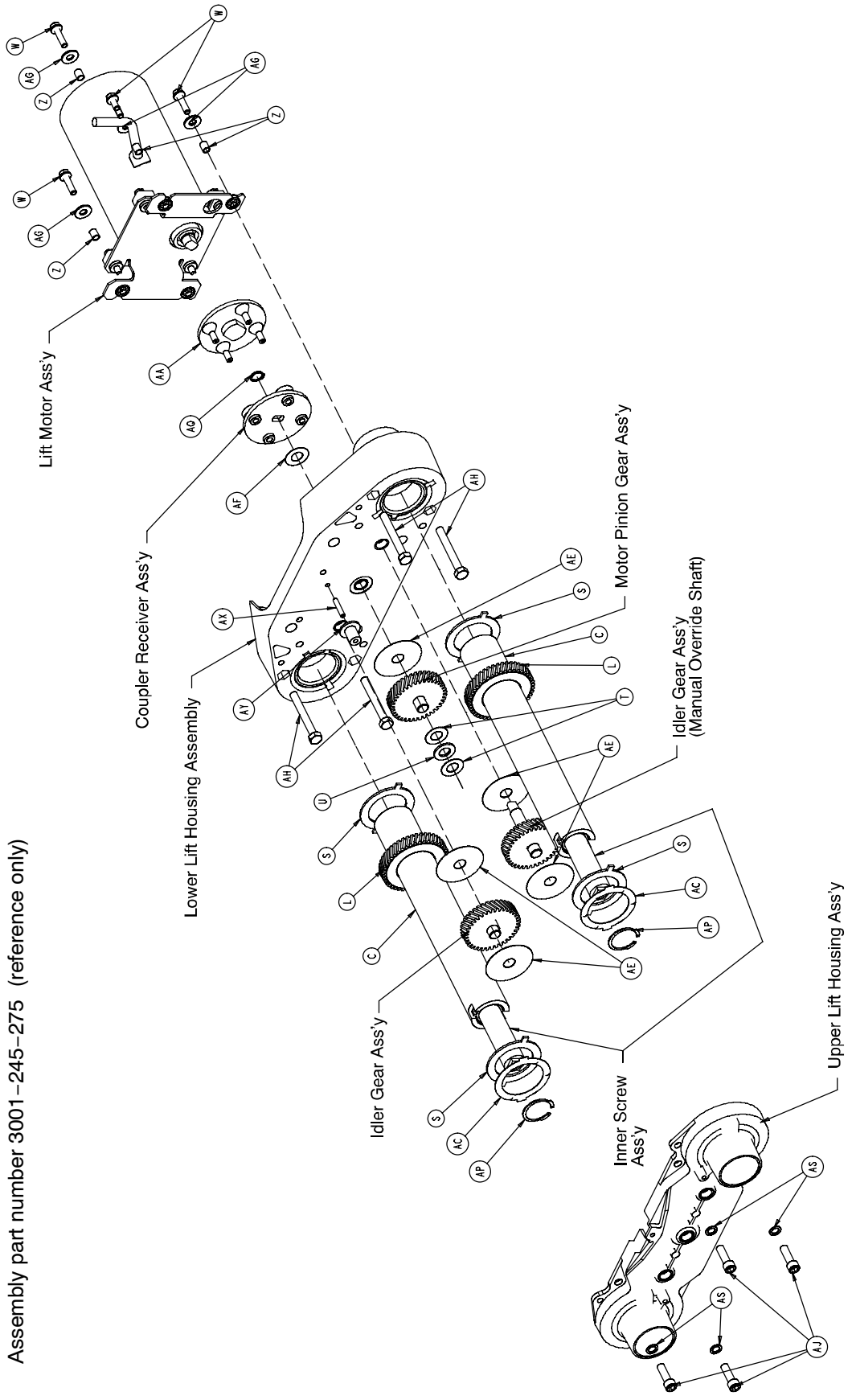


3001–245–200 Head End

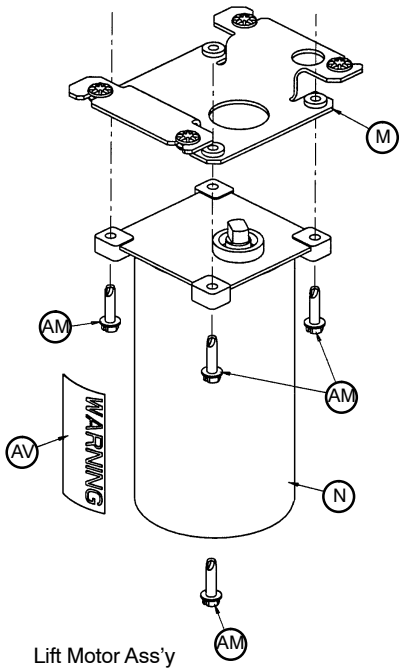


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(55)	Common Lift Assembly	1	H	3–128	Hex Washer Hd. Screw	2
B	2033–200–52	Bellows Bracket	1	J	3–121	Hex Washer Hd. Screw	2
D	34–22	Cord Clamp	2	K	3001–200–240	Head End Pot. Ass'y	1
E	3–106	Hex Washer Hd. Screw	2		3001–200–230	Foot End Pot. Ass'y	1
F	3001–200–864	Power Coil Cord	1	M	34–381	Cord Clamp	2
G	3001–200–815	Sensor Coil Cord	1				

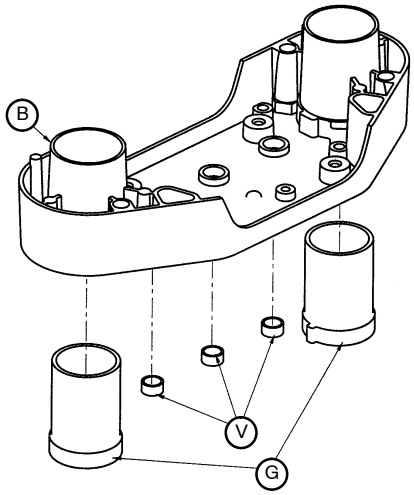
Lift Assembly (Common)



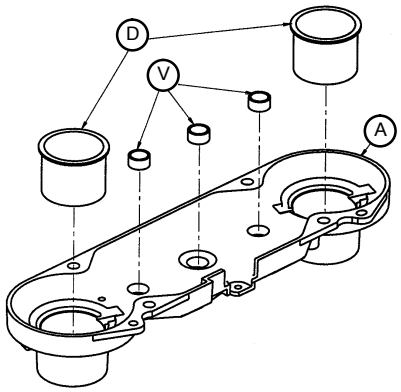
Lift Assembly (Common)



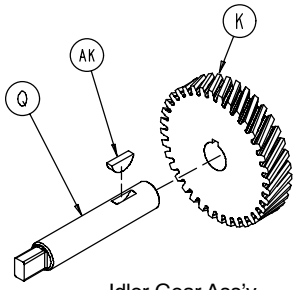
Lift Motor Ass'y



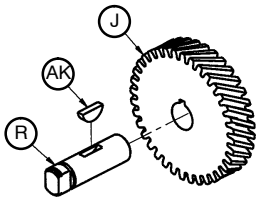
Lower Lift Housing Ass'y



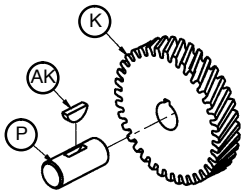
Upper Lift Housing Ass'y



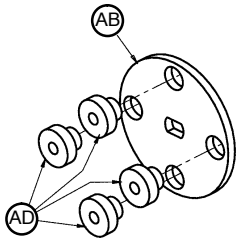
Idler Gear Ass'y
(Manual Override Shaft)



Motor Pinion Gear Ass'y



Idler Gear Ass'y



Coupler Receiver Ass'y

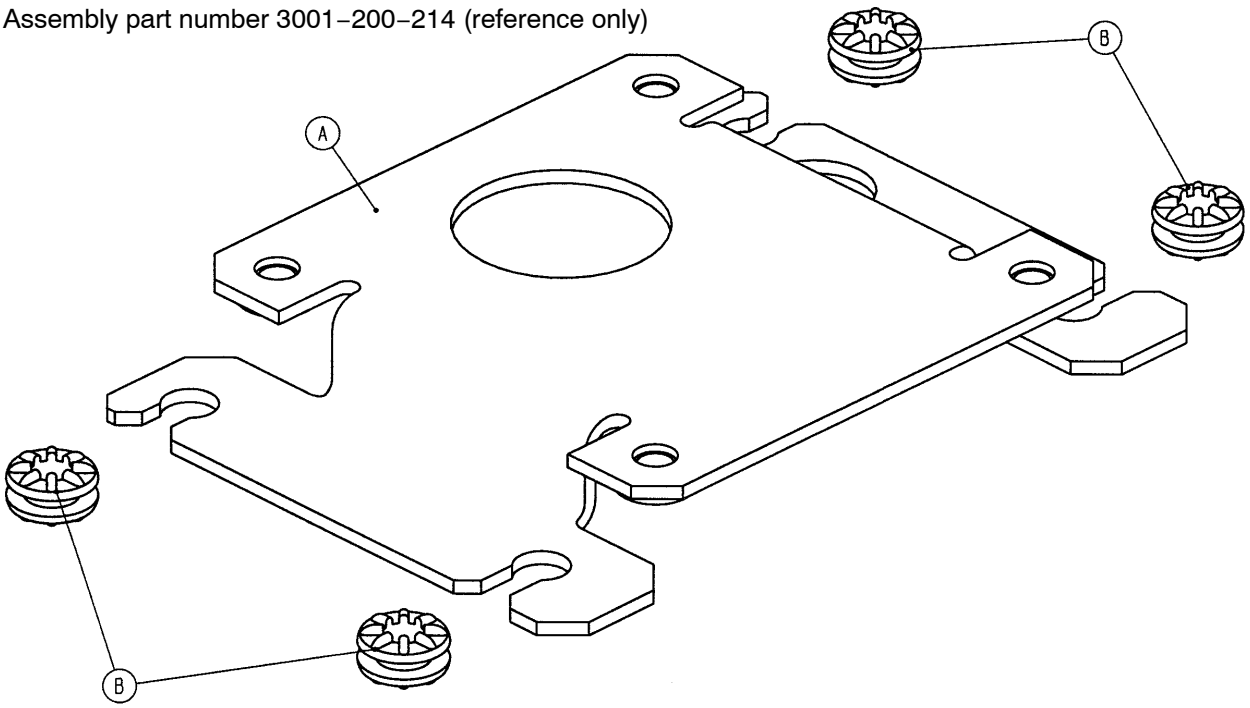
Inner Screw Ass'y

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	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 58)	Motor Isolation Plate Ass'y	1
N	3000–200–213	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
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

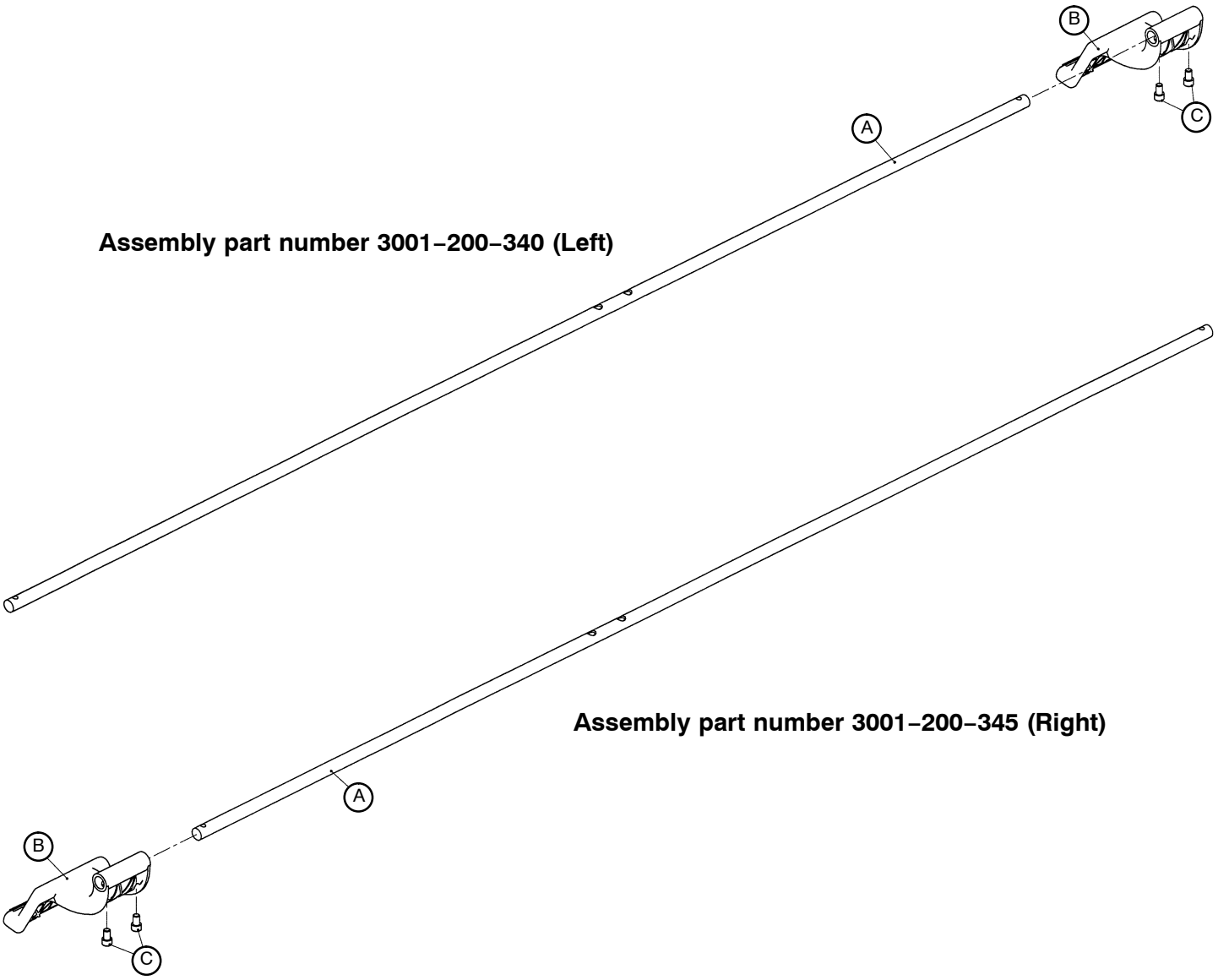
3000–200–723 Isolation Plate Assembly

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



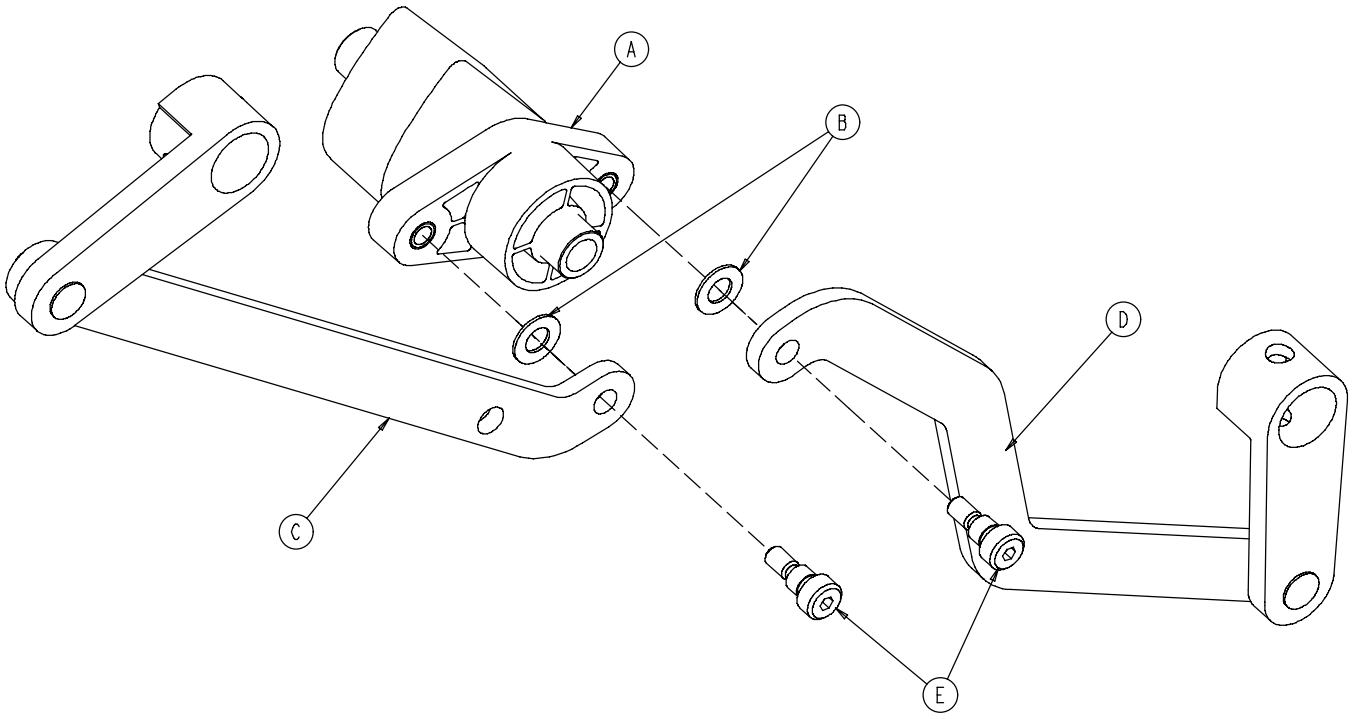
Item	Part No.	Part Name	Qty.
A	3001–200–213	Isolation Plate	1
B	3000–300–442	Grommet	4

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

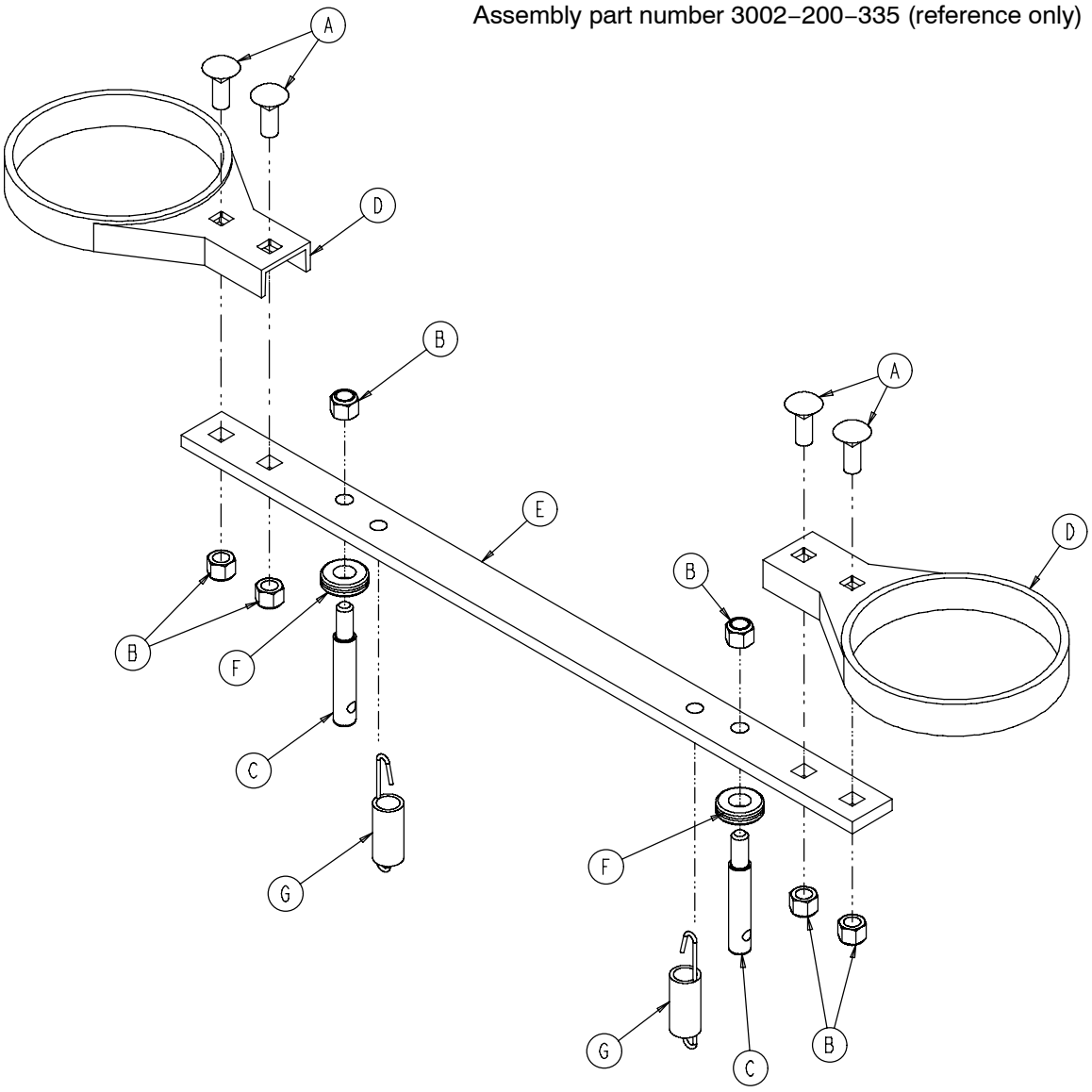
3002–201–330 Brake Crank Assembly



Item	Part No.	Part Name	Qty.
A	3002–201–309	Brake Cam Shaft Crank	1
B	14–4	Washer	2
C	3002–200–331	Brake Link	1
D	3002–200–332	Dog Leg Brake Link	1
E	2–108	Socket Hd. Shoulder Screw	2

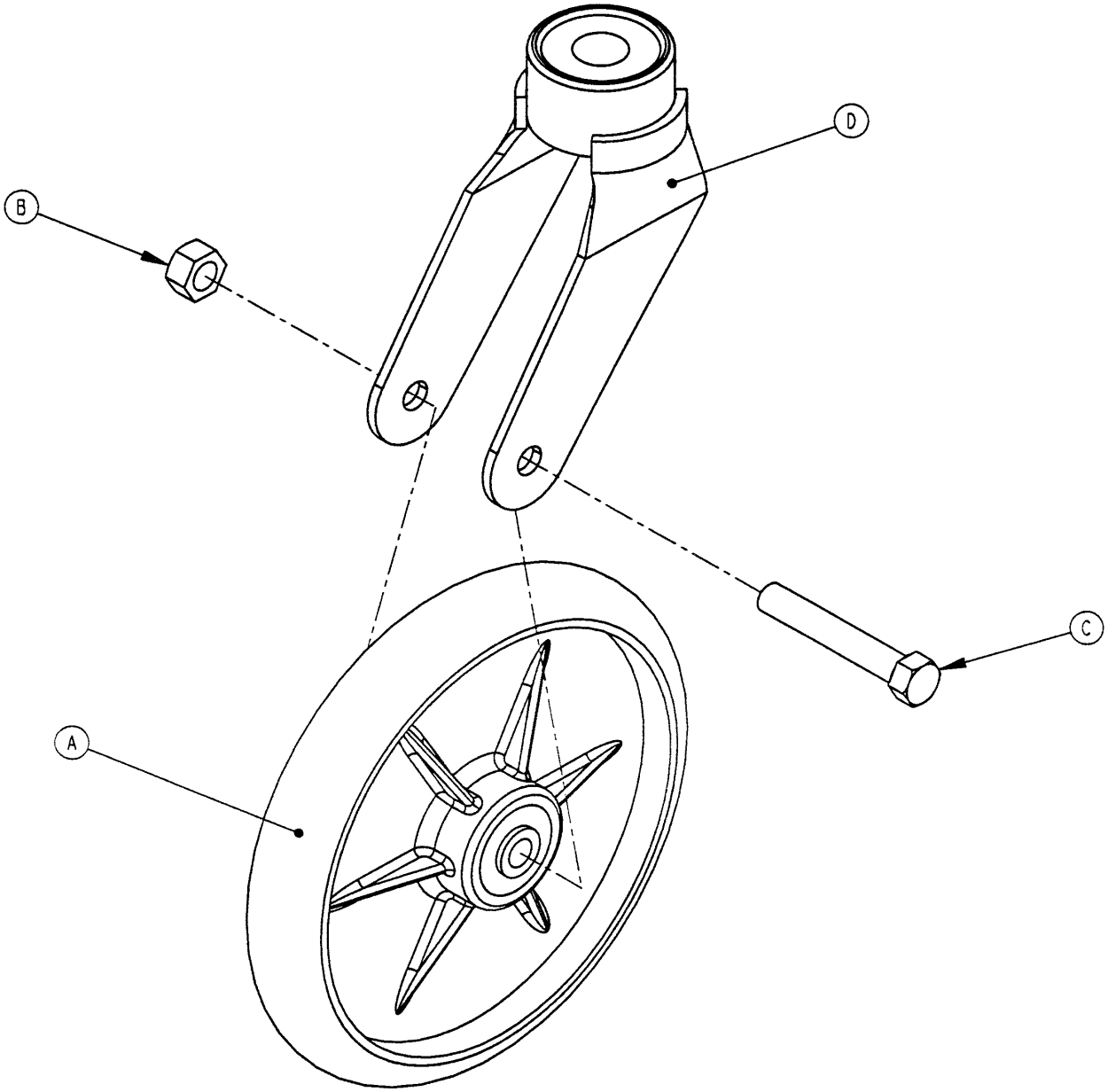
Brake Bar Assembly

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

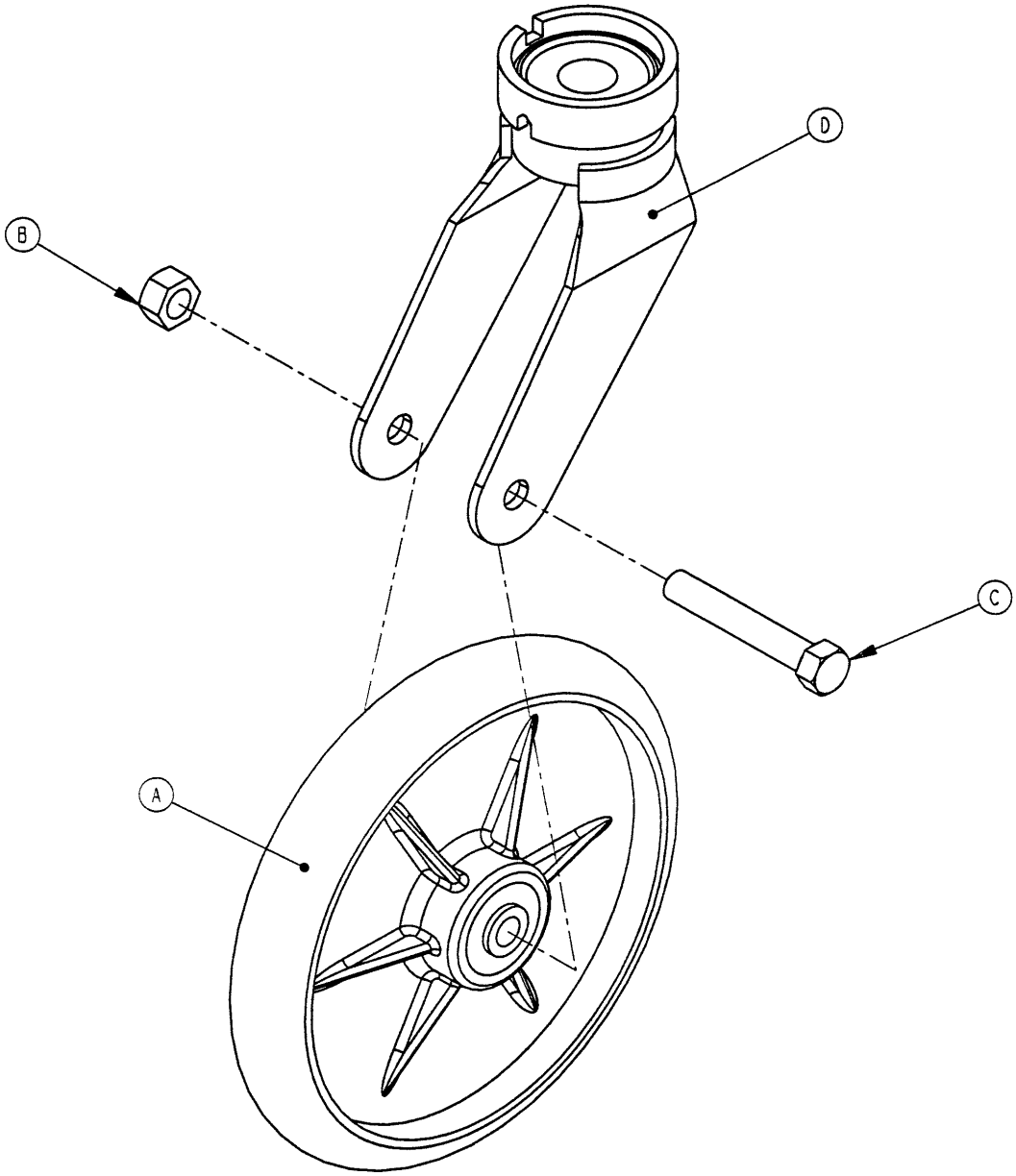
3001–200–90 Optional 8” Caster Assembly



Item	Part No.	Part Name	Qty.
A	(page 64)	Wheel Assembly	1
B	16–60	Hex Nut	1
C	3–99	Hex Hd. Cap Screw	1
D	3001–200–76	Caster Horn	1
E	2025–1–47	Right Siderail Cover (not shown)	1
F	2025–1–48	Left Siderail Cover (not shown)	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.

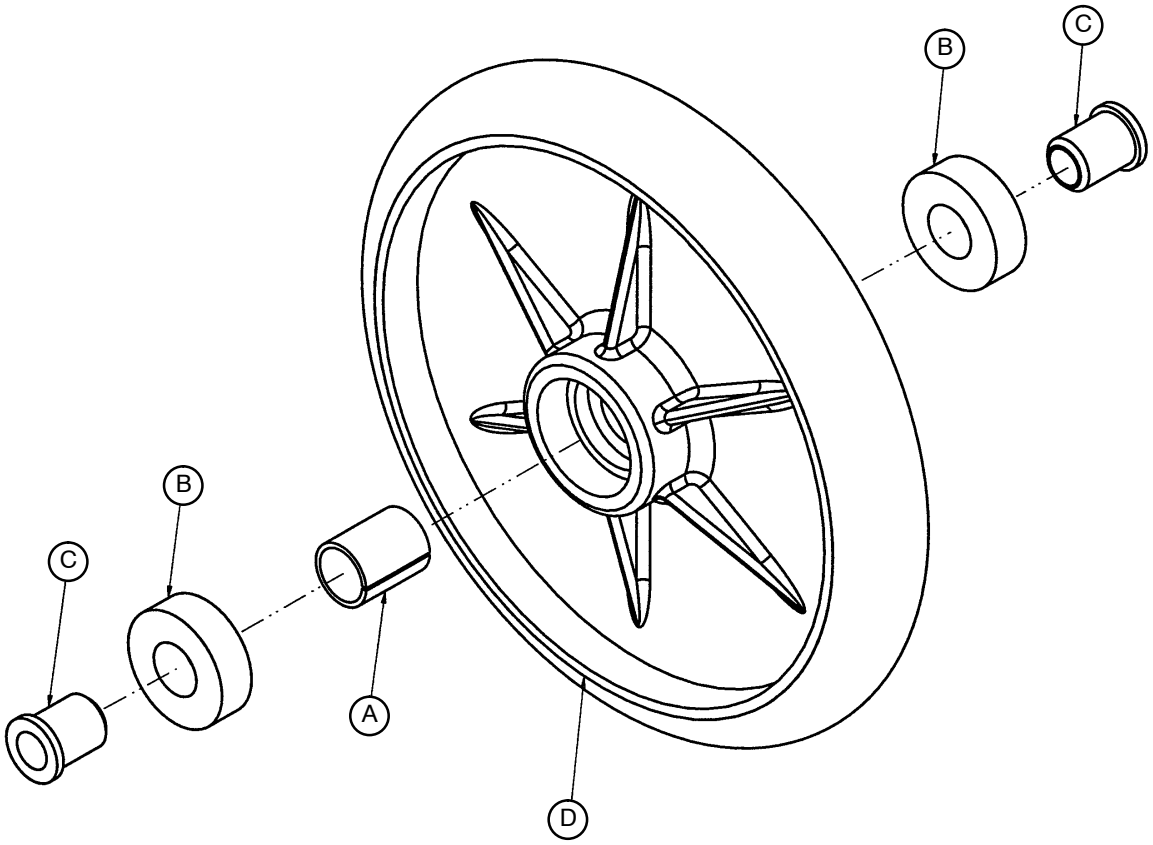
3001–200–80 Optional 8” Steer Caster Assembly



Item	Part No.	Part Name	Qty.
A	(page 64)	Wheel Assembly	1
B	16–60	Hex Nut	1
C	3–99	Hex Hd. Cap Screw	1
D	3001–200–81	Caster Horn	1
E	2025–1–47	Right Siderail Cover (not shown)	1
F	2025–1–48	Left Siderail Cover (not shown)	1

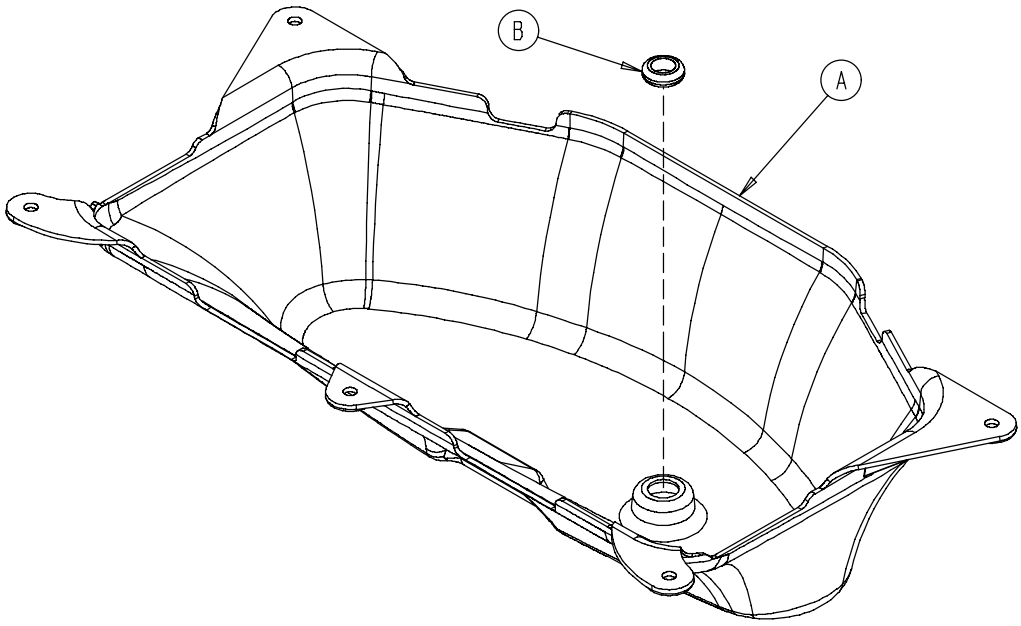
NOTE
The hex head cap screw (item C) must be threaded through the caster horn in the direction shown to avoid damaging the plastic caster covers.

715–2–25 Optional 8” Wheel Assembly



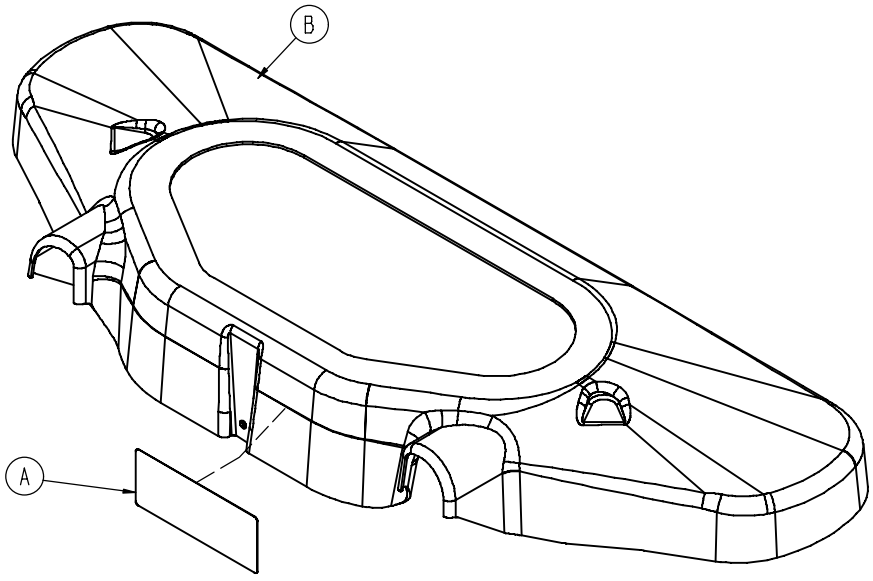
Item	Part No.	Part Name	Qty.
A	52–503	Bearing Spacer	1
B	81–226	Bearing	2
C	715–1–255	Wheel Bearing	2
D	715–2–124	Wheel	1

3001–200–22 Bottom Cover Assembly



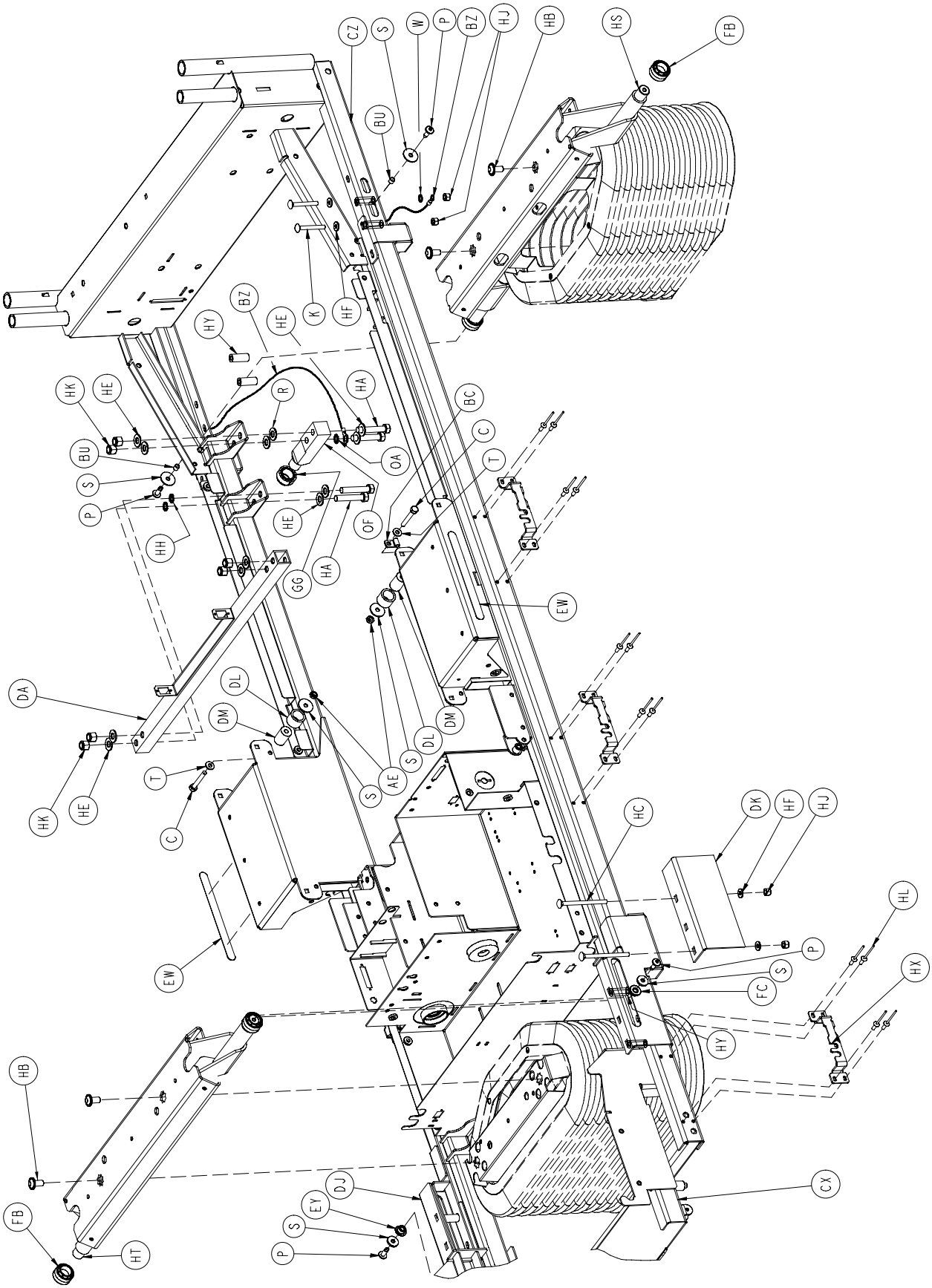
Item	Part No.	Part Name	Qty.
A	3002–1–100	Bottom Cover	1
B	3000–000–039	Grommet	1

3002–300–10 Head End Uni–Pan Cover Assembly

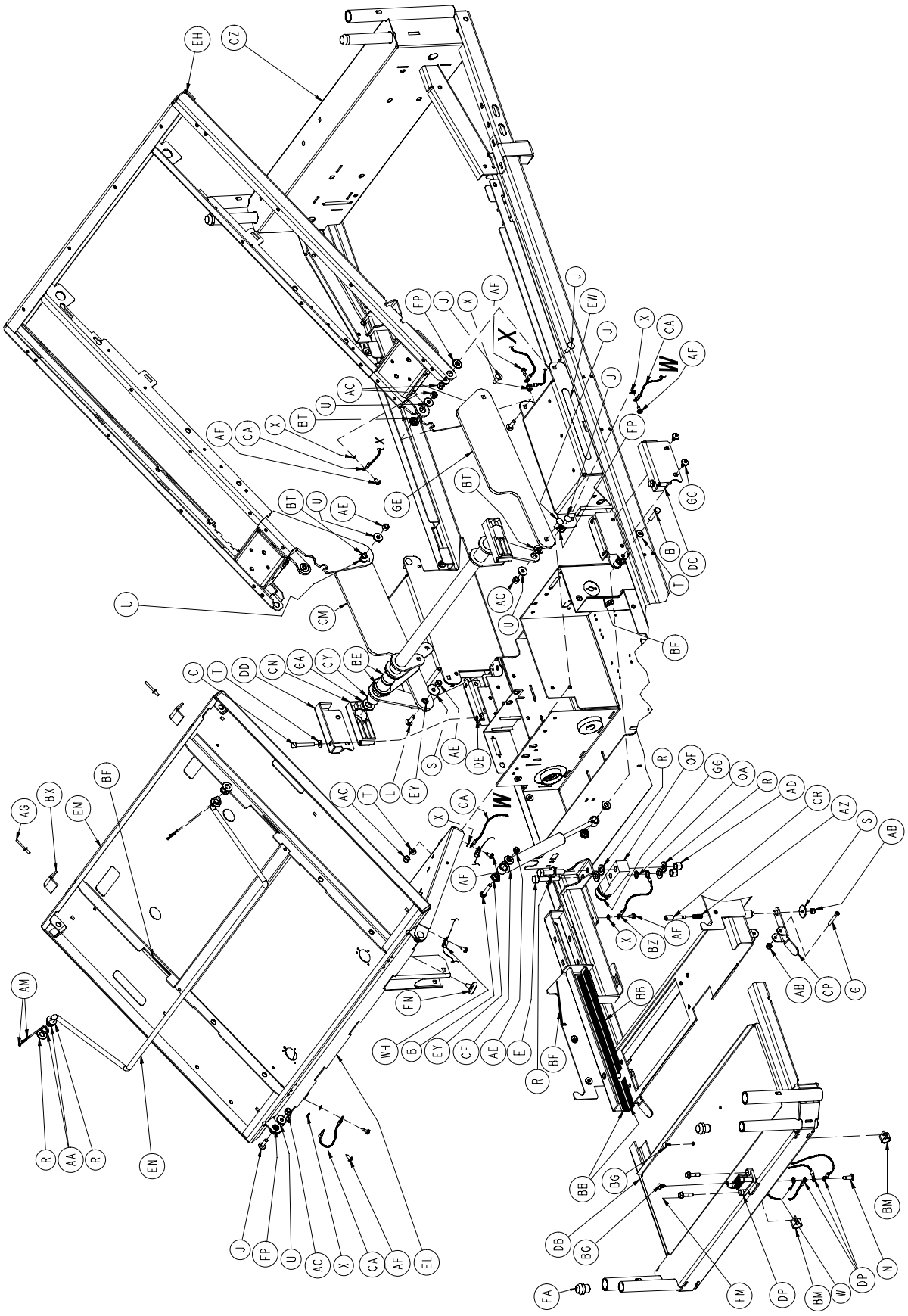


Item	Part No.	Part Name	Qty.
A	988–2–708	Service Caution Label	1
B	3002–300–9	Uni–Pan Cover	1

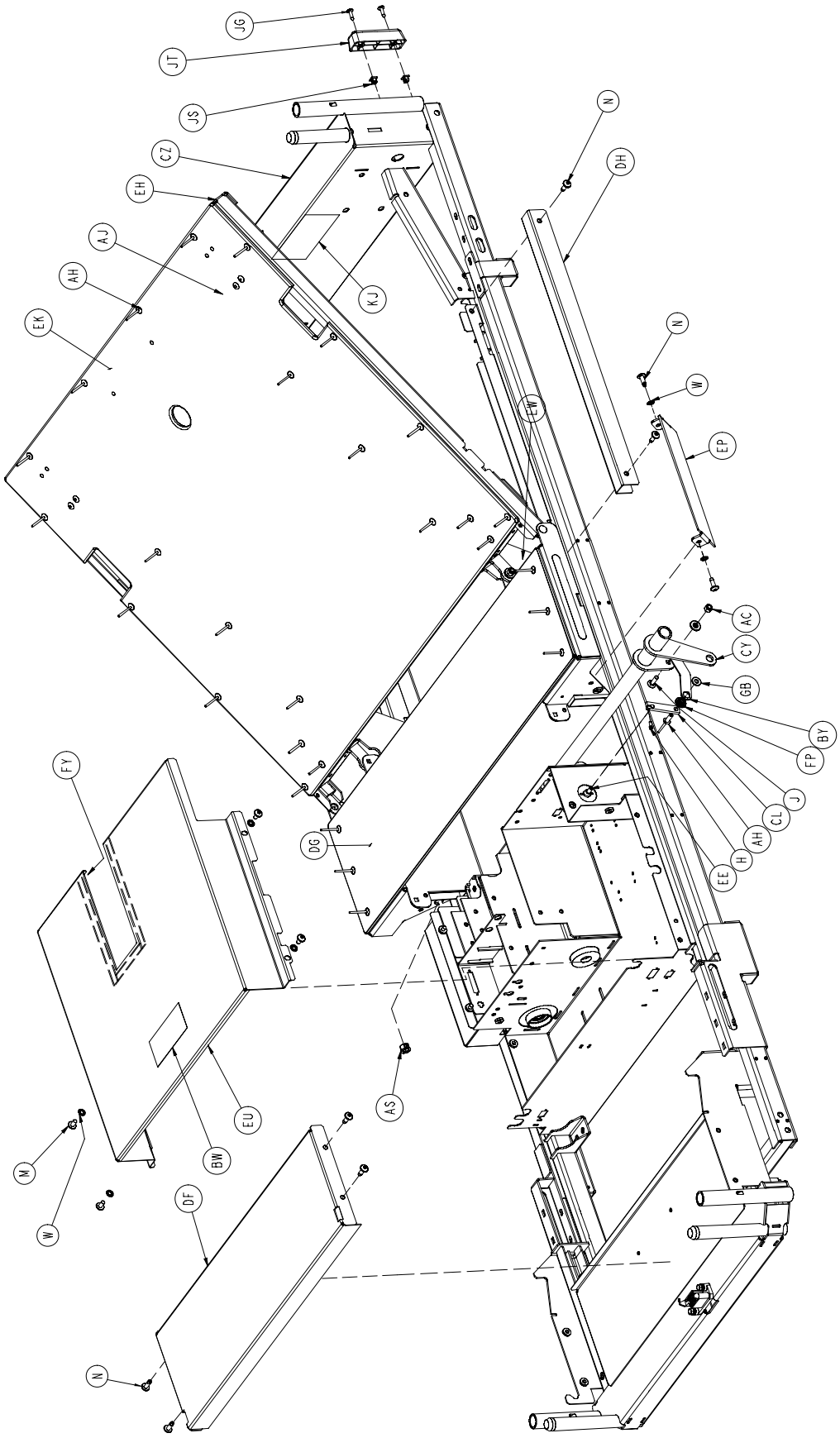
Litter Assembly and Options



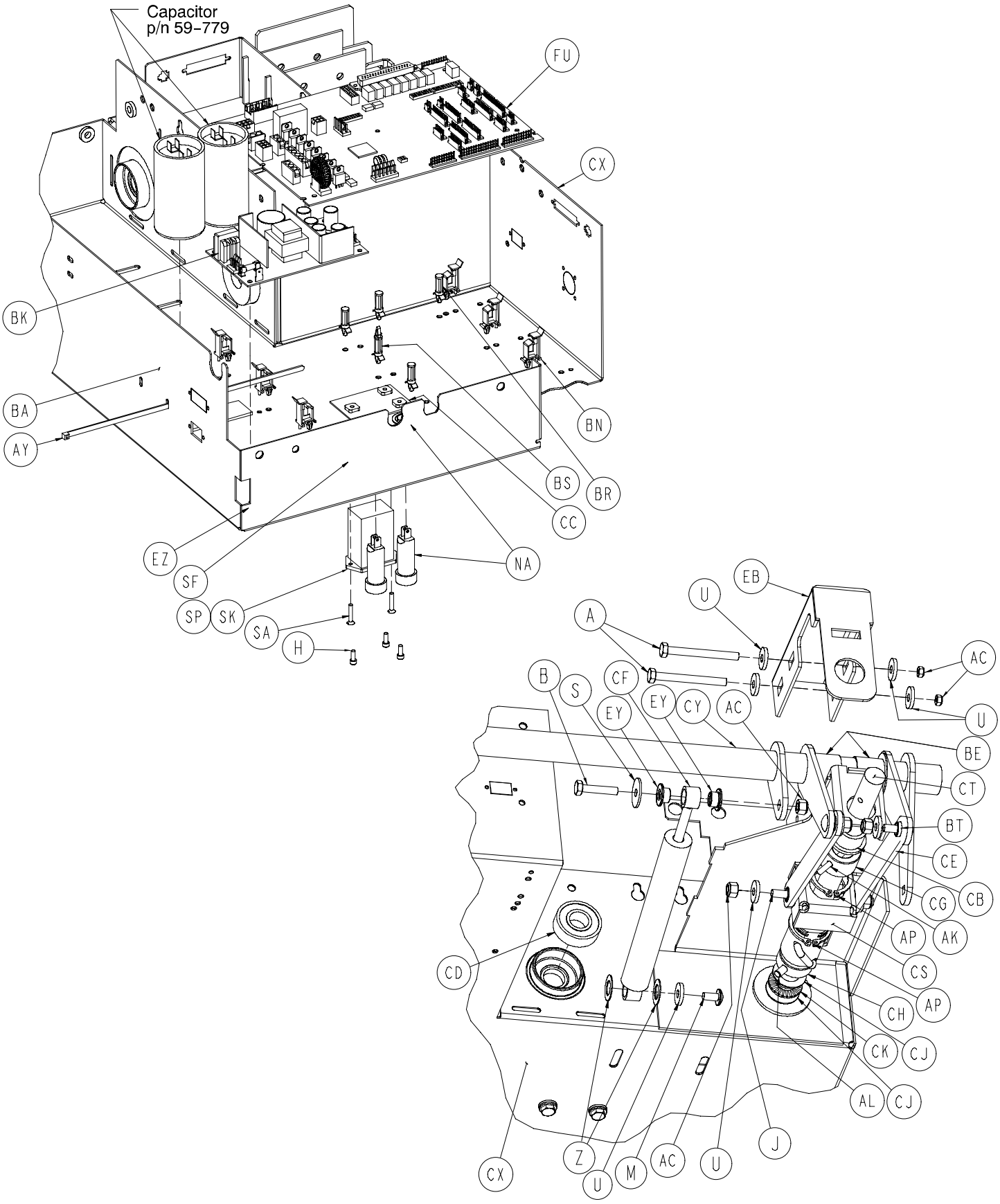
Litter Assembly and Options



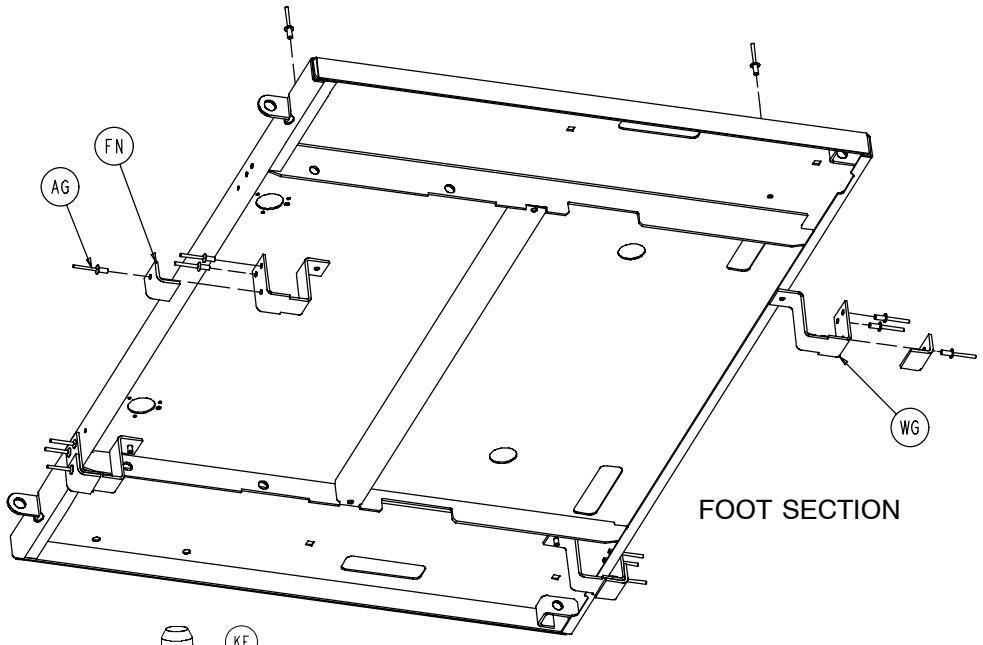
Litter Assembly and Options



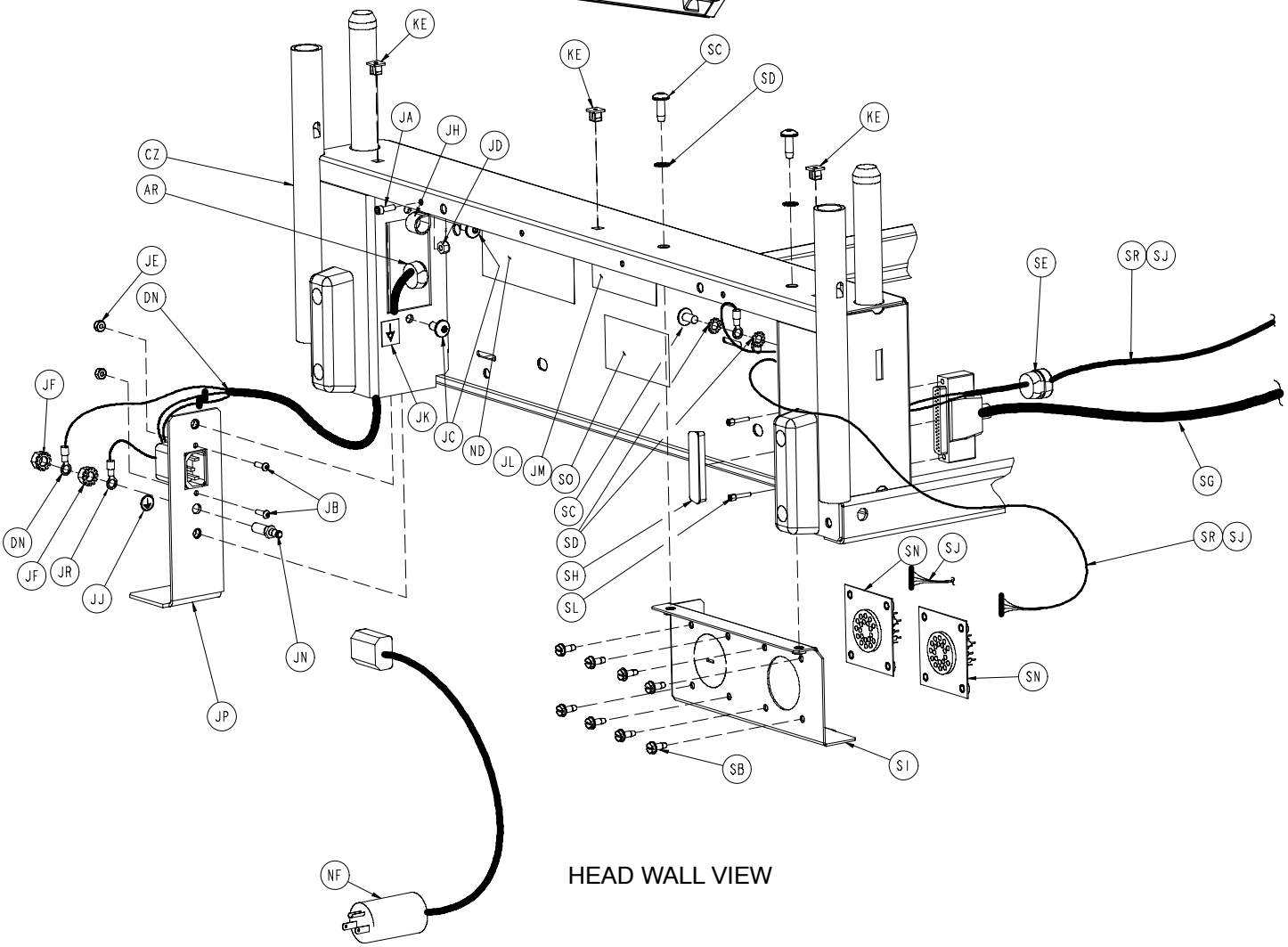
Litter Assembly and Options



Litter Assembly and Options

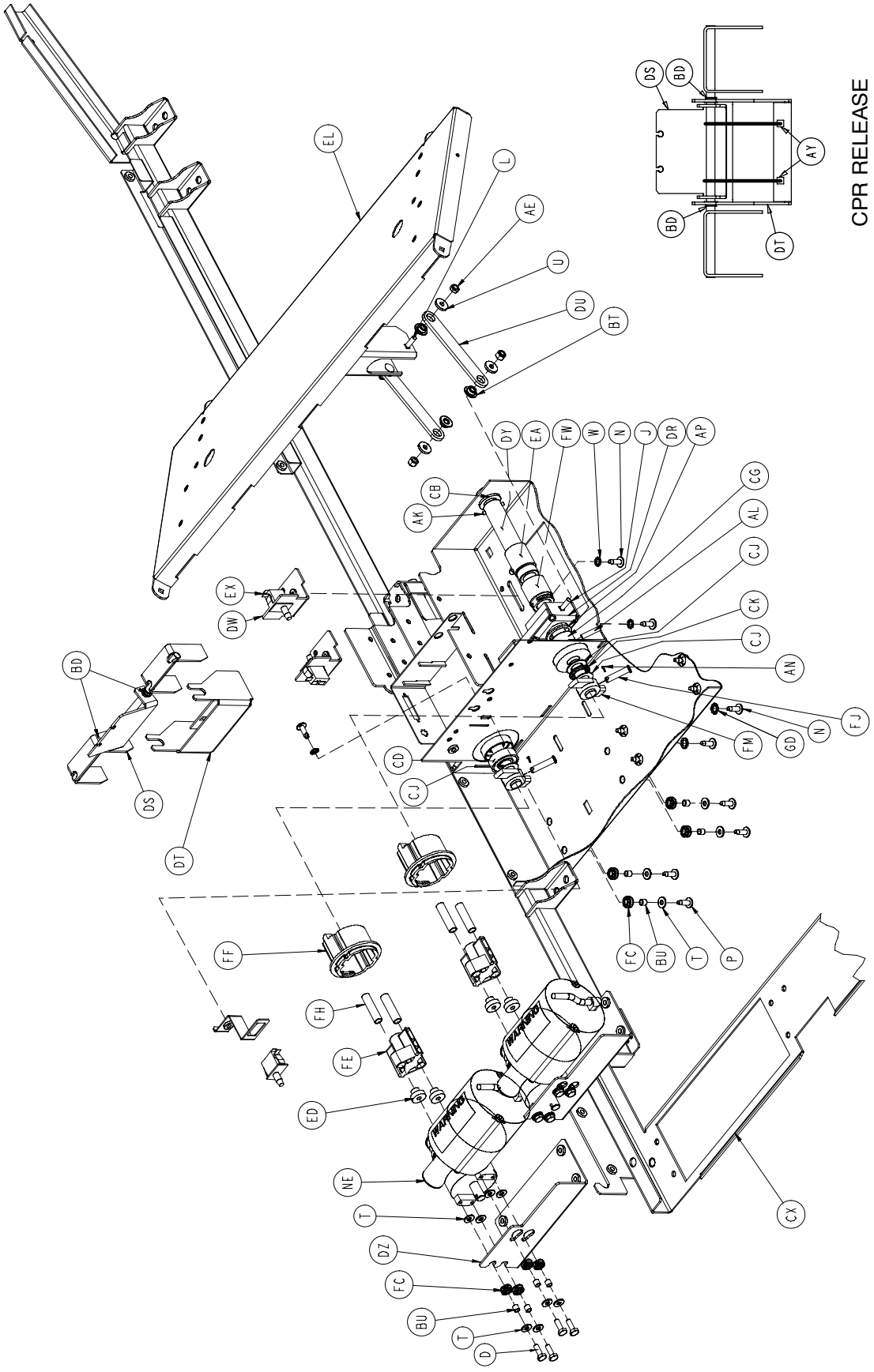


FOOT SECTION

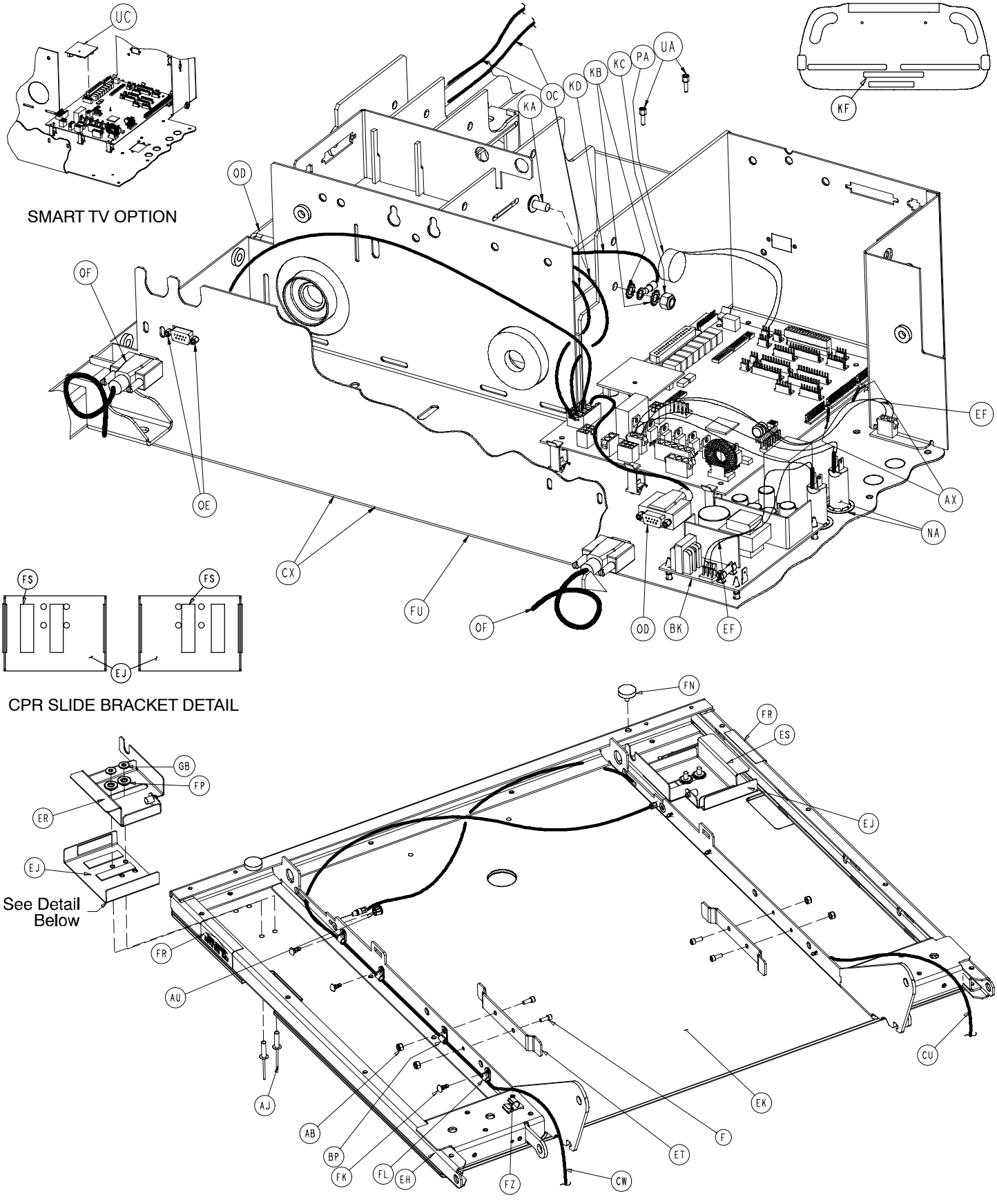


HEAD WALL VIEW

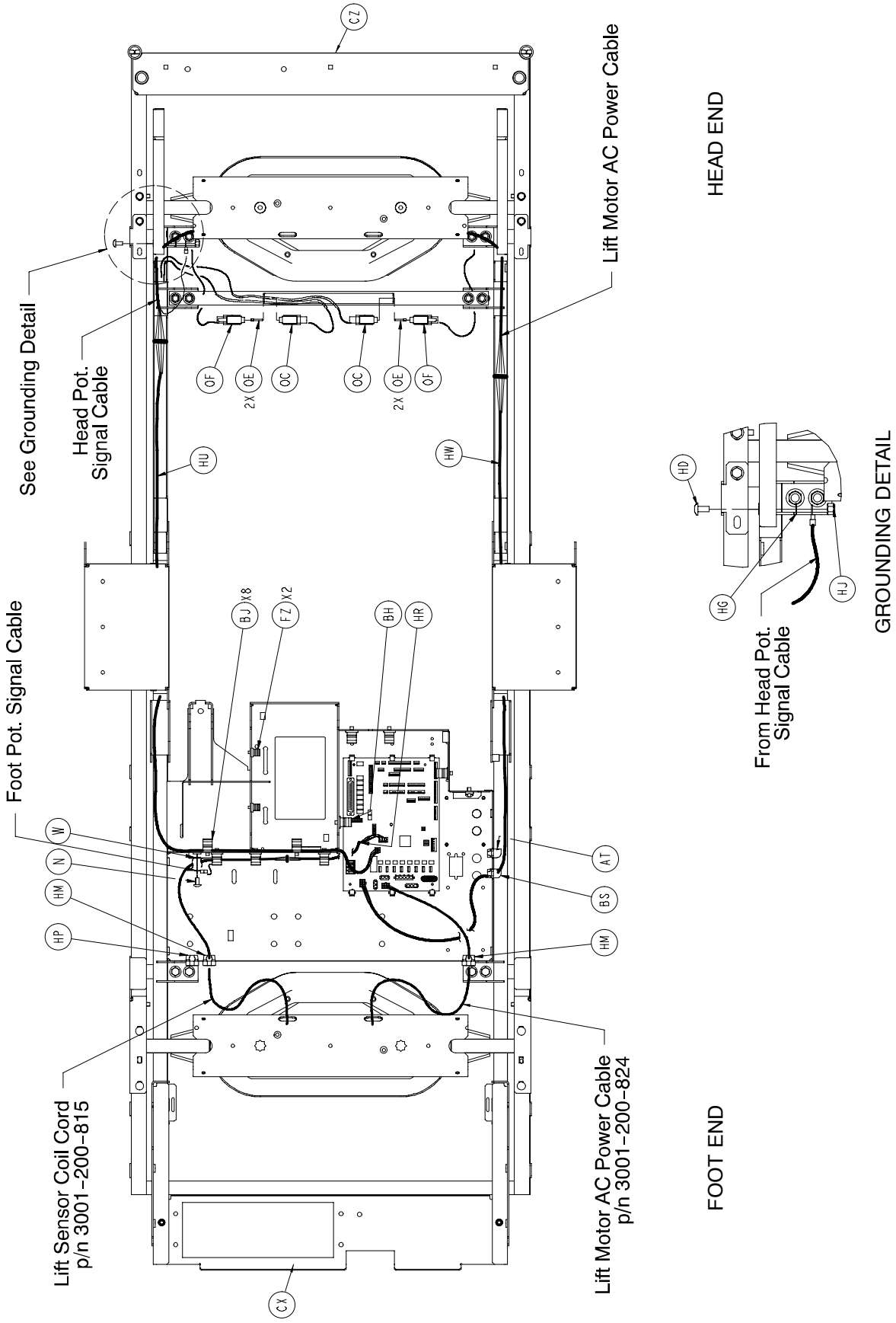
Litter Assembly and Options



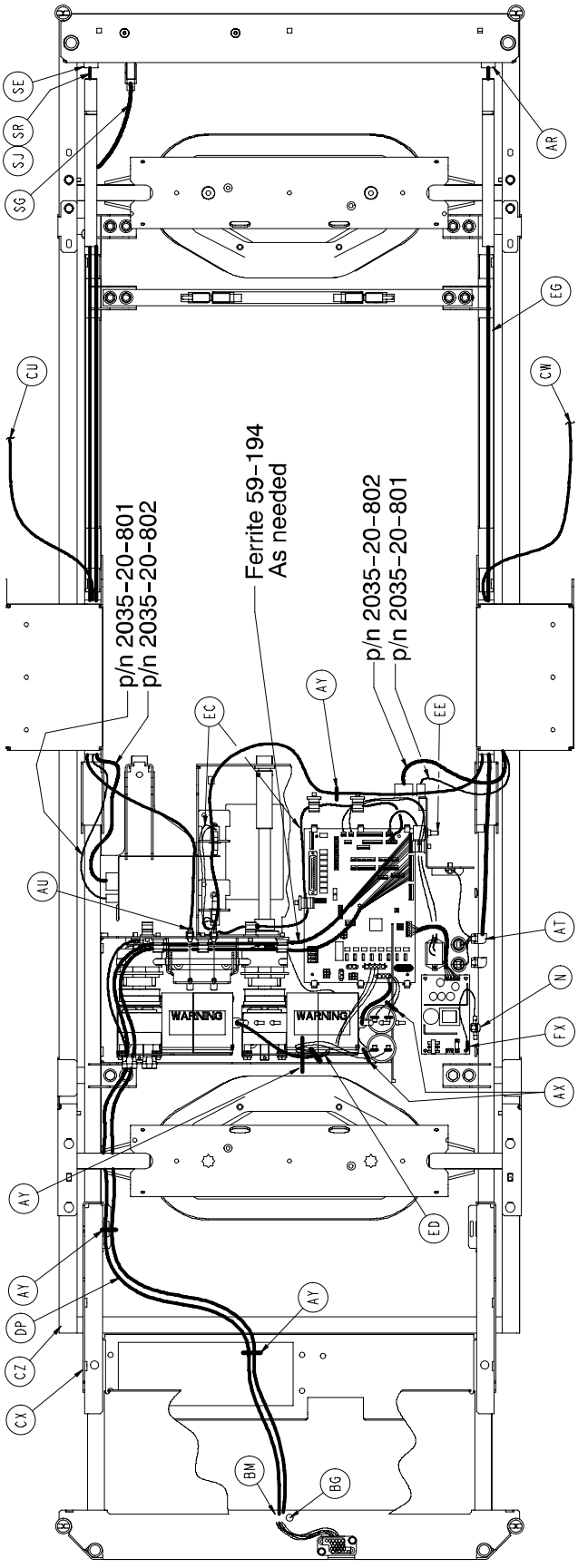
Litter Assembly and Options



Litter Assembly and Options

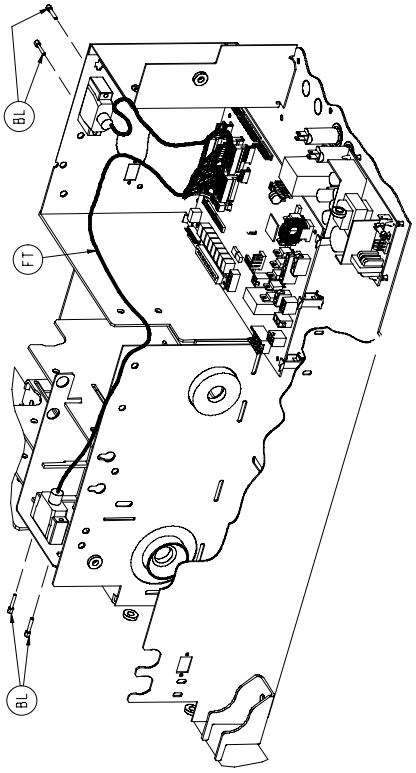


Litter Assembly and Options



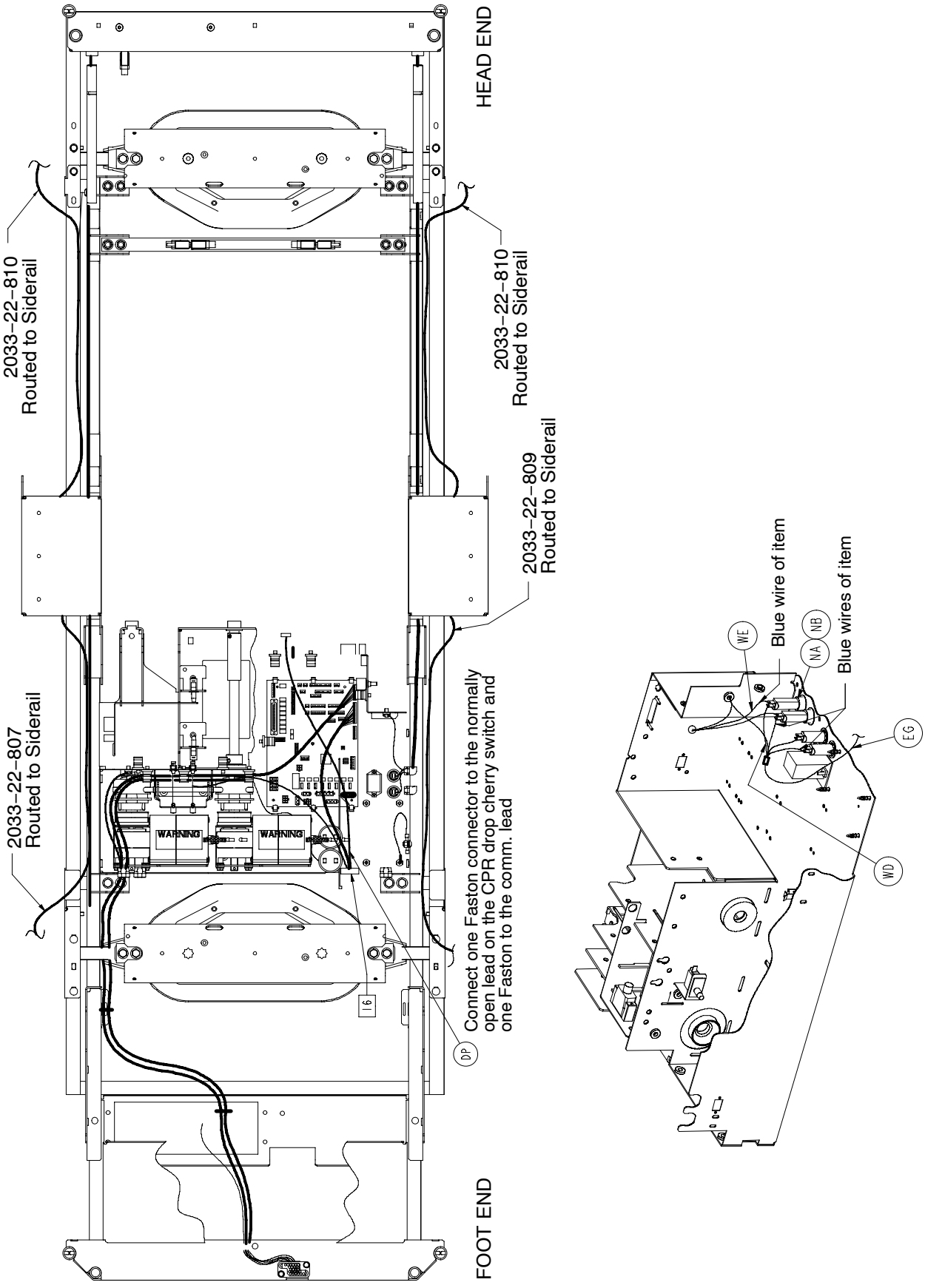
HEAD END

FOOT END



SIDERAIL EXTENSION CABLE ROUTING

Litter Assembly and Options



Litter Assembly and Options

2030−331−10 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	15
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	BY	2025−31−62	Pot. Actuator Link	1
F	4−32	Soc. Hd. Cap Screw	4	BZ	2025−31−880	Ground Jumper	4
G	4−85	Soc. Hd. Cap Screw	2	CA	3002−300−870	Ground Strap	8
H	4−101	Soc. Hd. Cap Screw	1	CB	2025−32−68	Flange Bearing	2
J	5−19	Carriage Bolt	18	CD	2025−32−76	Ball Bearing	2
K	5−24	Carriage Bolt	4	CE	2025−32−77	Fowler Actuator Link	2
L	5−23	Carriage Bolt	3	CF	2025−32−82	Hydraulic Dampener	2
M	7−58	Truss Hd. Torx	5	CG	2025−32−84	Fowler Screw Up Stop	1
N	7−63	Truss Hd. Torx	19	CH	2025−32−85	Fowler Screw Down Stop	1
P	7−65	Truss Hd. Torx	16	CJ	2025−32−86	Thrust Washer	5
R	11−4	Washer	16	CK	2025−32−87	Roller Cage Bearing	2
S	11−53	Washer	10	CL	2025−231−61	Pot. Timing Clamp	1
T	11−63	Washer	37	CM	2025−231−88	Fowler Link	1
U	11−158	Washer	24	CN	2025−231−90	Torque Tube Pivot Brg.	2
W	13−10	Ext. Tooth Lock Washer	16	CP	2025−231−99	Bed Extender Rel. Lever	2
X	13−18	Ext. Tooth Lock Washer	14	CR	2025−231−112	Bed Extender Pin Lock	2
Y	13−32	Ext. Tooth Lock Washer	2	CS	2025−232−89	Fowler Nut Box	1
Z	14−7	Washer	2	CT	2025−232−90	Fowler Ball Screw	1
AB	16−3	Nylock Nut	4	CU	2035−31−48	Short CPR Cable	1
AC	16−28	Nylock Nut	22	CW	2035−31−49	Long CPR Cable	1
AD	16−35	Nylock Nut	8	CX	2035−31−50	Scale Frame Weldment	1
AE	16−102	Nylock Nut	8	CY	2035−31−51	Torque Tube Weldment	1
AF	3−224	Hex Washer Hd. Screw	16	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	DH	2035−31−100	Wire Channel Cover	2
AS	30−36	Grommet	4	DJ	2035−31−115	Roller Bracket Cover, Rt.	1
AT	30−47	Right Angle Strain Relief	1	DK	2035−31−116	Roller Bracket Cover, Lt.	1
AU	30−52	Snap Bushing	4	DL	2035−31−126	Protective Sleeve	2
AX	38−111	Cable Tie	10	DM	2035−31−127	Nylon Stop	2
AY	38−151	Cable Tie	17	DR	2035−32−52	Gatch Trigger Weldment	1
AZ	38−382	Compression Spring	2	DS	2035−32−54	CPR Release Wldmt. Brkt.	1
BA	44−29	Black Foam Tape	1	DT	2035−32−72	CPR Release Pivot Brkt.	1
BB	44−32	1” Wide Poly Tape	50”	DU	2035−32−77	Gatch Actuator Link	2
BC	52−104	Cable Clamp	2	DW	2035−32−79	Act. Box Cherry Swch. Brkt.	2
BD	52−759	Flange Bearing	2	DX	2035−32−84	Gatch Screw Up Stop	1
BE	52−762	Nyliner Bushing	2	DY	2035−32−85	Gatch Screw Down Stop	1
BF	58−56	Black Edge Trim	18”	DZ	2035−32−88	Act. Box Motor Mtg. Brkt.	2
BG	58−76	Drive Fastener	2	EA	2035−32−90	Gatch Ball Screw Ass’y	1
BH	59−133	Push−Mount Wire Clip	1	EB	2035−32−96	Ball Screw Cover	1
BJ	59−135	Push−Mount Wire Clip	8	EC	2035−32−801	Gatch Limit Switch Cable	1
BK	59−157	Power Supply	1	ED	2035−32−802	Fowler/CPU Jumper Cable	1
BL	59−727	Jack Screw	4	EE	2035−32−803	Fowler Pot. Cable	1
BM	59−743	Wire Harness Clip	2	EF	2035−32−804	Fuse/PCB Cable	1
BN	59−751	Locking Circuit Bd. Supt.	6	EH	2035−33−50	Fowler Frame Weldment	1
BP	59−767	Cable Clamp	2	EJ	2035−33−62	CPR Release Slide Brkt.	2
BR	59−773	Push Spacer	4	EL	2033−34−50	Thigh Section Weldment	1
				EM	2032−35−50	Foot Section Weldment	1

2030–331–10 Common Litter Components (Continued)

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
EP	2035–231–85	Seat Section Cover	2	FM	3001–200–228	Mounting Standoff	2
ET	2035–400–565	Siderail Guide Bracket	2	FN	3001–300–8	Thigh Bumper	2
EU	(page 79)	Actuator Box Cover Ass'y	1	FP	3001–300–99	Flange Bearing	10
EX	3000–300–58	Switch Plunger	2	FR	3001–300–603	CPR Release Label	2
EY	3000–300–99	Modified Bushing	9	FS	3001–300–663	Velcro Strip	10
EZ	3000–300–115	Standoff	4	FT	3001–300–877	Siderail Extension Cable	1
FA	3000–300–349	Head/Foot Board Post Cap	4	FW	5000–30–366	Fowler Nut Adapter	1
FB	3000–300–353	Roller	4	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	5
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
FJ	3000–300–473	Clevis Pin	2	GE	2025–231–89	Fowler Litter Link	1
FK	3000–300–477	CPR Conduit Stud	6	GF	59–194	Split Ferrite	1
FL	3000–300–478	CPR Conduit Clamp	6	JH	34–22	Cord Clamp	1

2033–142–11 TriaDyne III Litter Components

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
N	7–63	Truss Hd. Torx Screw	1	JG	23–80	Truss Hd. Tapping Screw	4
W	13–10	Ext. Tooth Lock Washer	1	JJ	36–46	220V Ground Label	1
AF	23–25	H. Wash. Hd. Tap. Screw	2	JK	36–115	Earth Ground Label	1
AG	25–79	Rivet	16	JL	1550–90–1	Hosp. Grade Plug Label	1
DG	2033–31–97	Seat Section Skin	1	JM	2011–1–104	Explosion Danger Label	1
DP	2033–49–801	Foot Board/CPU Cable	1	JN	2011–1–215	Grounding Lug	1
EG	2033–31–801	Frame AC Power Cable	1	JP	2035–231–70	A/C Filter Mtg. Plate	1
EK	2033–33–63	Fowler Skin	1	JR	2035–31–880	Power Inlet Cable	1
EL	2033–34–50	Thigh Section Weldment	1	JS	3000–300–002	Plastic Clip Nut	4
ER	2035–233–64	Quick Drop Rel. Brkt., Lt.	1	JT	3000–300–350	Head End Bumper Strip	2
ES	2035–233–65	Quick Drop Rel. Brkt., Rt.	1	WA	4–127	Soc. Hd. Cap Screw	4
EX	3000–300–58	Switch Plunger	1	WB	16–7	Fiberlock Nut	4
FN	3001–300–8	Thigh Bumper	2	WC	34–22	Insulated Metal Clamp	4
FU	3001–407–920	Scale CPU/Headwall PCB	1	WD	2033–31–803	Perc. Pwr. Supply Cable	1
JA	4–5	Soc. Hd. Cap Screw	1	WE	2033–31–807	Percussor AC Pwr. Cable	1
JB	4–126	But. Hd. Cap Screw	2	WF	2033–33–11	Cherry Switch Bracket	1
JC	7–58	Truss Hd. Torx Screw	2	WG	2033–34–758	Foot Section Rest	4
JD	16–14	Nylock Nut	1	WH	59–767	Insulated Cable Clamp	4
JE	16–23	Nylock Nut	2	WK	3001–300–7	Jack Screw	4
JF	16–33	Nylock Nut	2	WL	2030–31–205	Cover, No Scale	1

Litter Assembly and Options

2033–32–15 TriaDyne III Domestic Components

Item	Part No.	Part Name	Qty.
NA	59–179	Circuit Breaker	4
ND	2033–90–1	Specification Label	1
NE	2035–300–705	Fowler Drive Assembly	2
NF	39–254	Power Cord	1

2030–30–151 Low–Sounding Beeper Option

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

2033–32–20 TriaDyne III Height Option

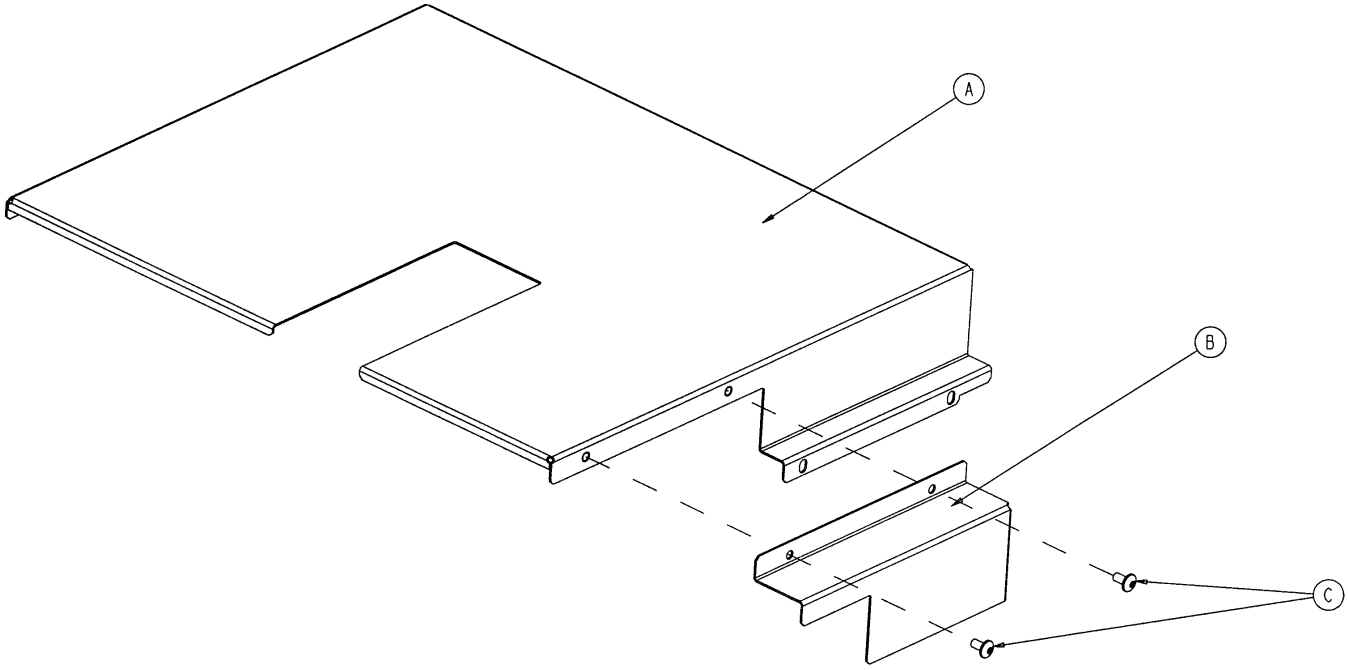
Item	Part No.	Part Name	Qty.
HS	2030–331–52	Head End Header Wldmt.	1
HT	2033–331–53	Foot End Header Wldmt.	1

2030–140–150 Scale & Chaperone® Options

Item	Part No.	Part Name	Qty.
OA	13–32	Ext. Tooth Lock Washer	4
	(page 101)	Foot Board	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	3002–307–57	Load Cell	4
GG	3002–300–353	Roller	4

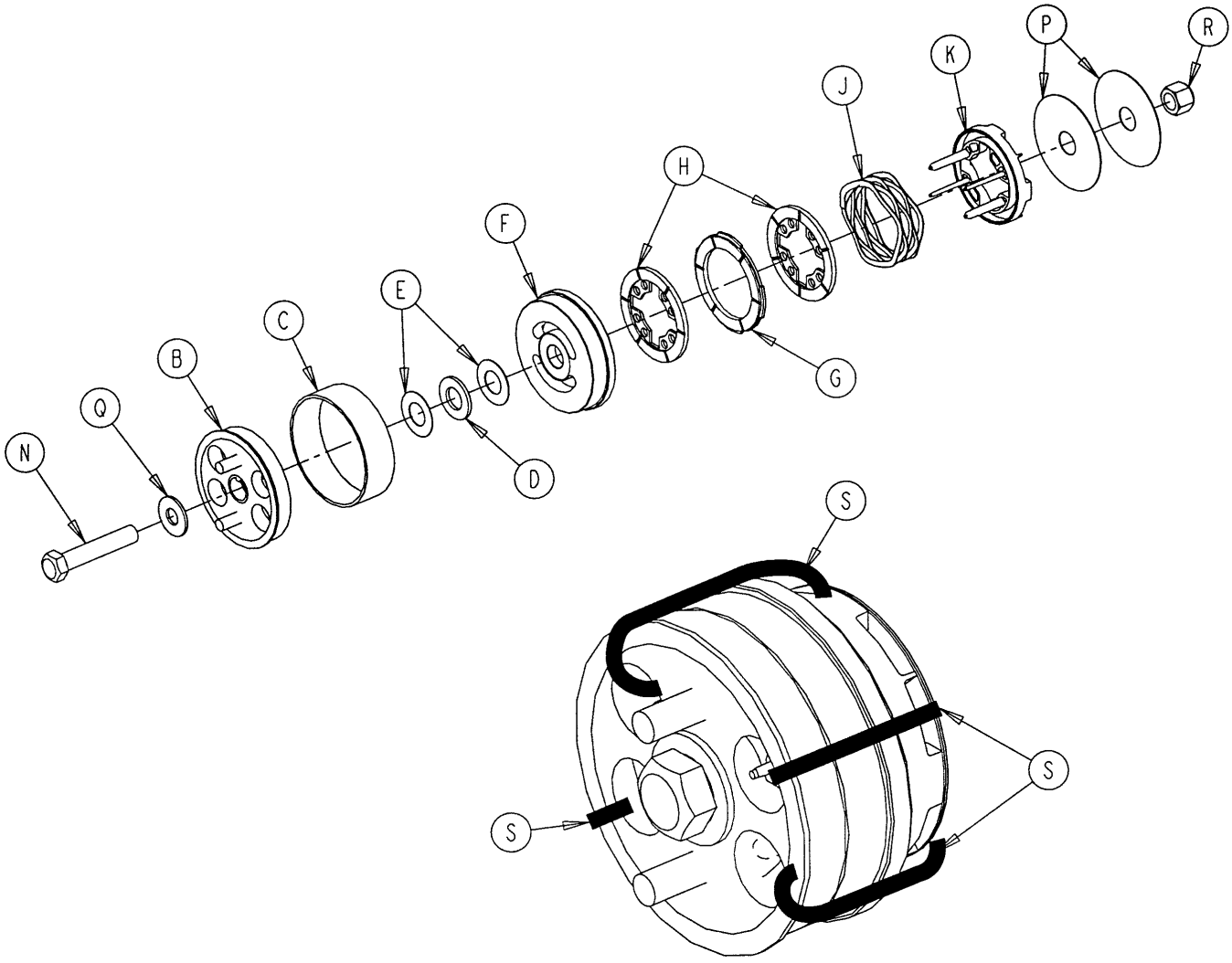
Actuator Box Cover Assembly

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



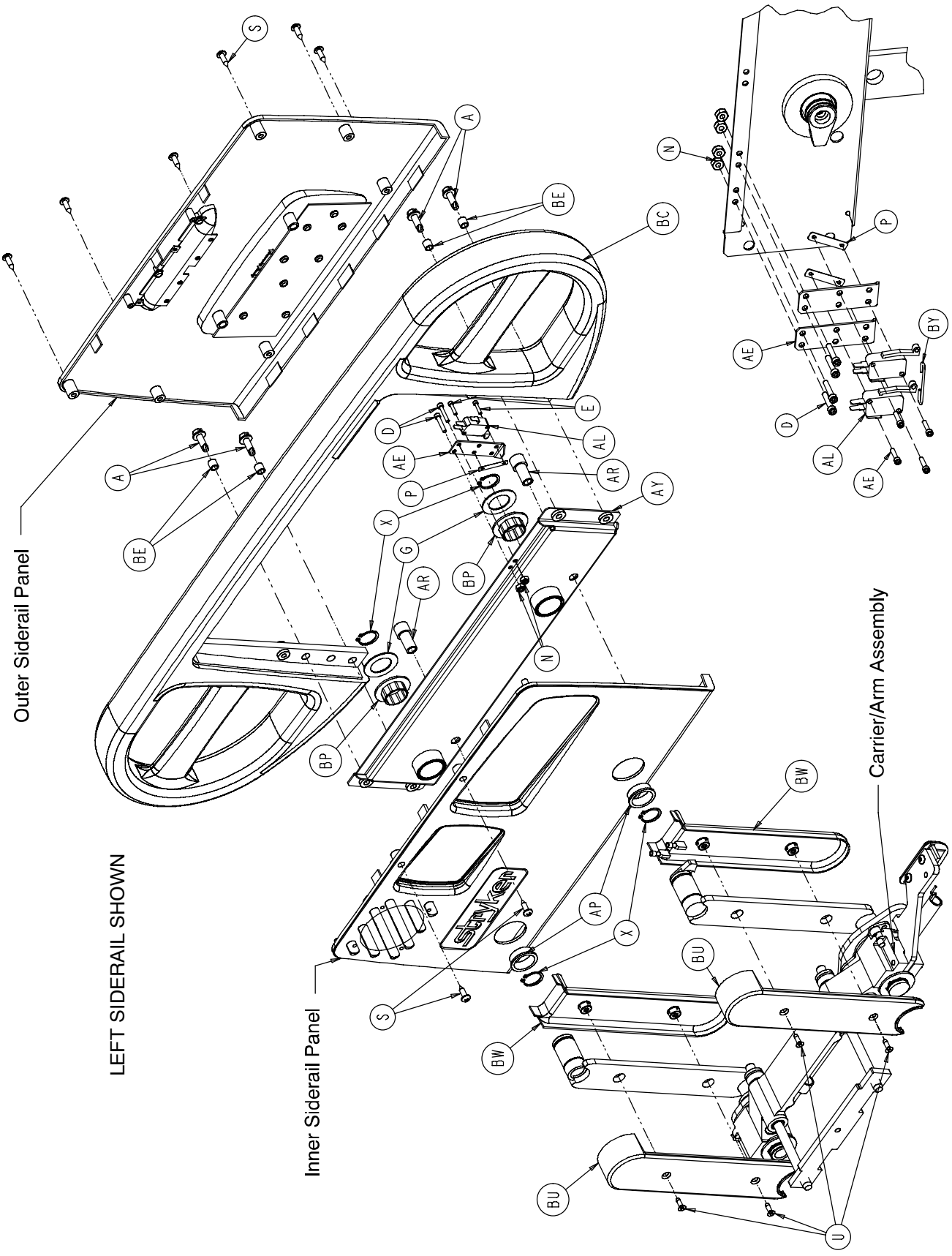
Item	Part No.	Part Name	Qty.
A	2035–332–75	Main Actuator Box Cover	1
B	2035–332–76	Actuator Box Side Cover	1
C	7–58	Truss Hd. Torx	2

3001–300–775 Fowler Brake Kit Assembly

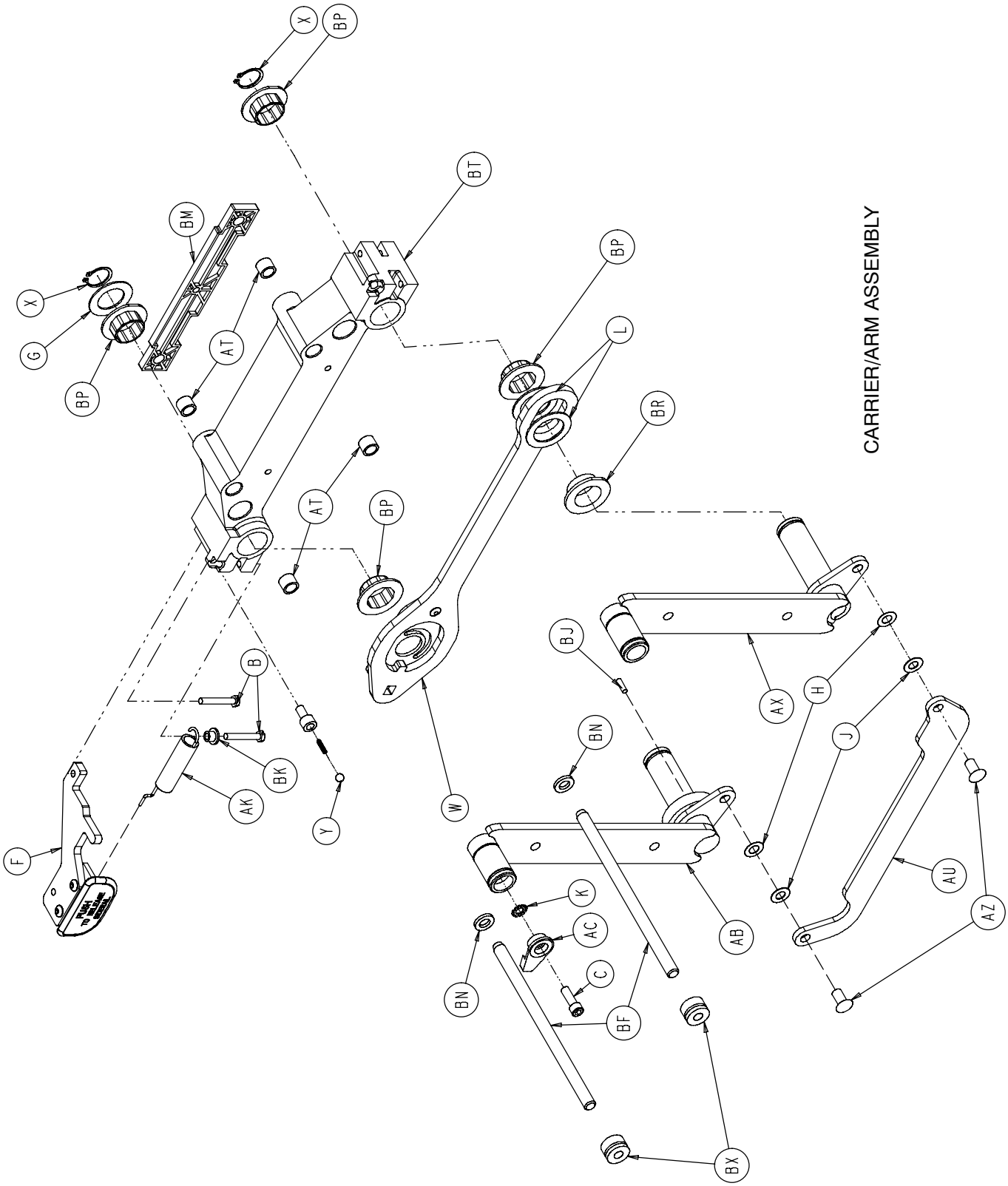


Item	Part No.	Part Name	Qty.
B	3001–300–455	CPR Coupler Assembly	1
C	3000–300–465	CPR Clutch Spring	1
D	81–212	Thrust Needle Roller Brg.	1
E	3000–200–224	Idler Gear Thrust Washer	2
F	3001–300–569	Brake Cup	1
G	3001–300–552	CPR Brake Disc	1
H	3001–300–551	CPR Spring Cup	2
J	3001–300–563	CPR Brake Spring	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

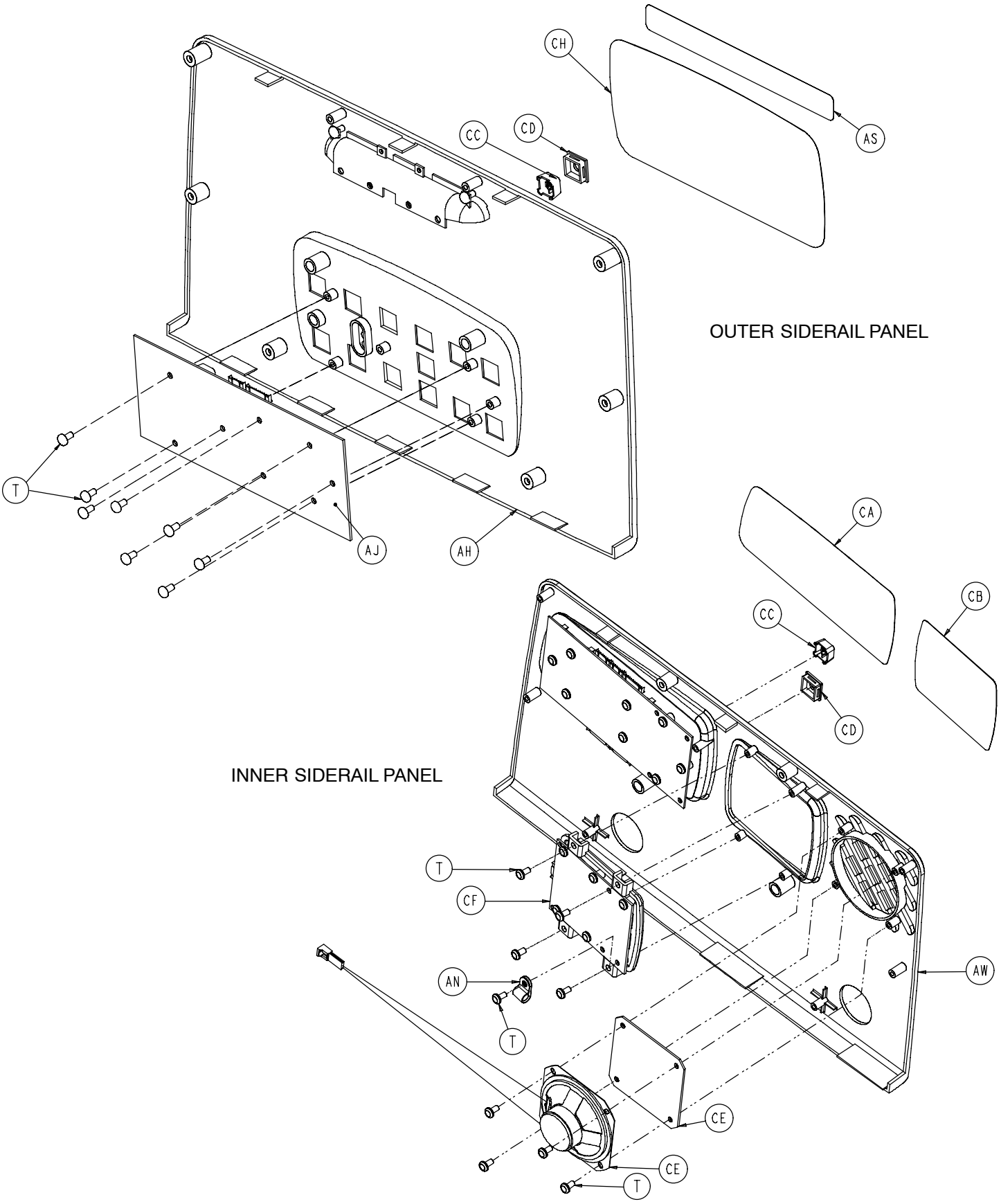
Head End Siderail Assembly



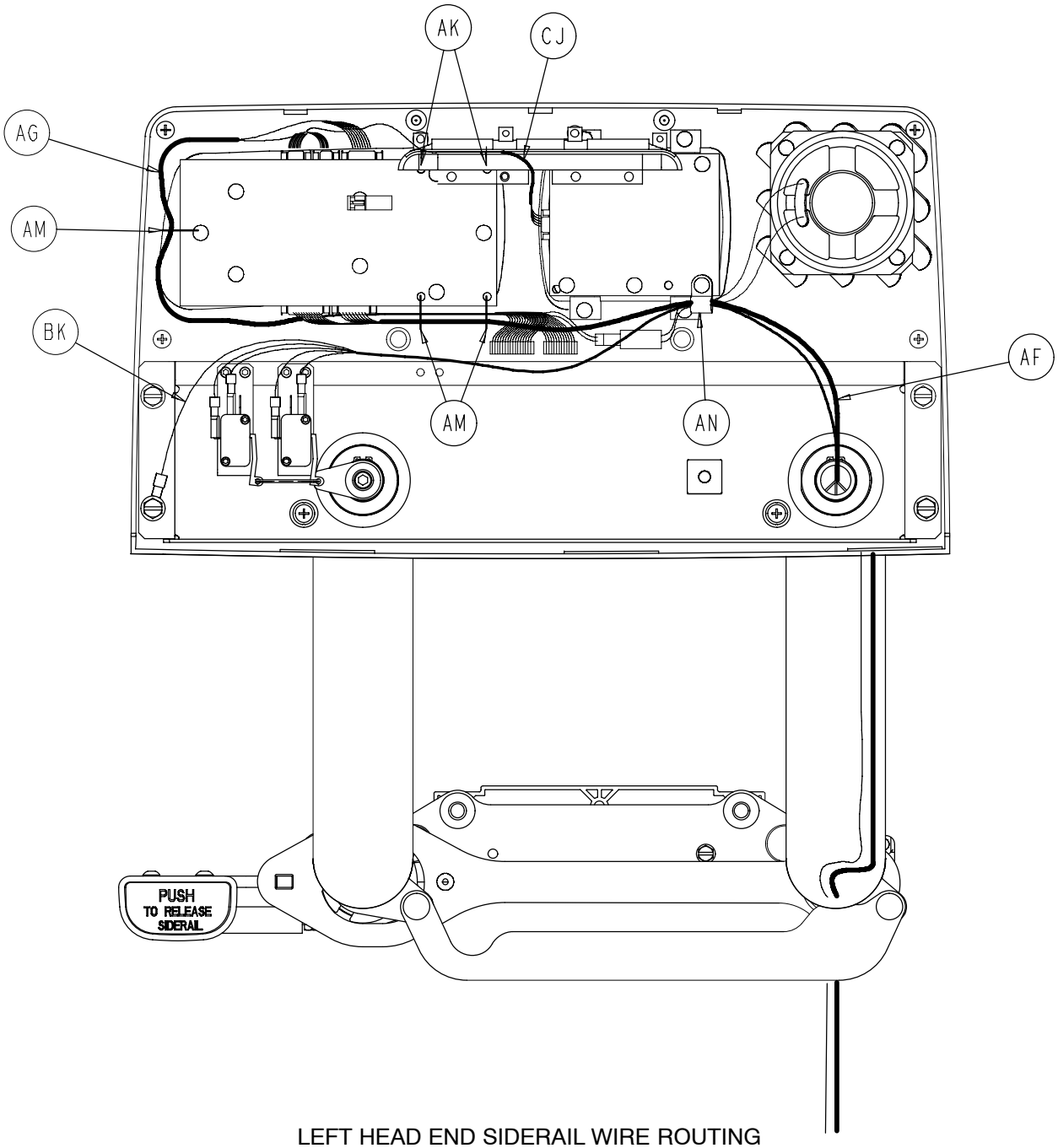
Head End Siderail Assembly



Head End Siderail Assembly

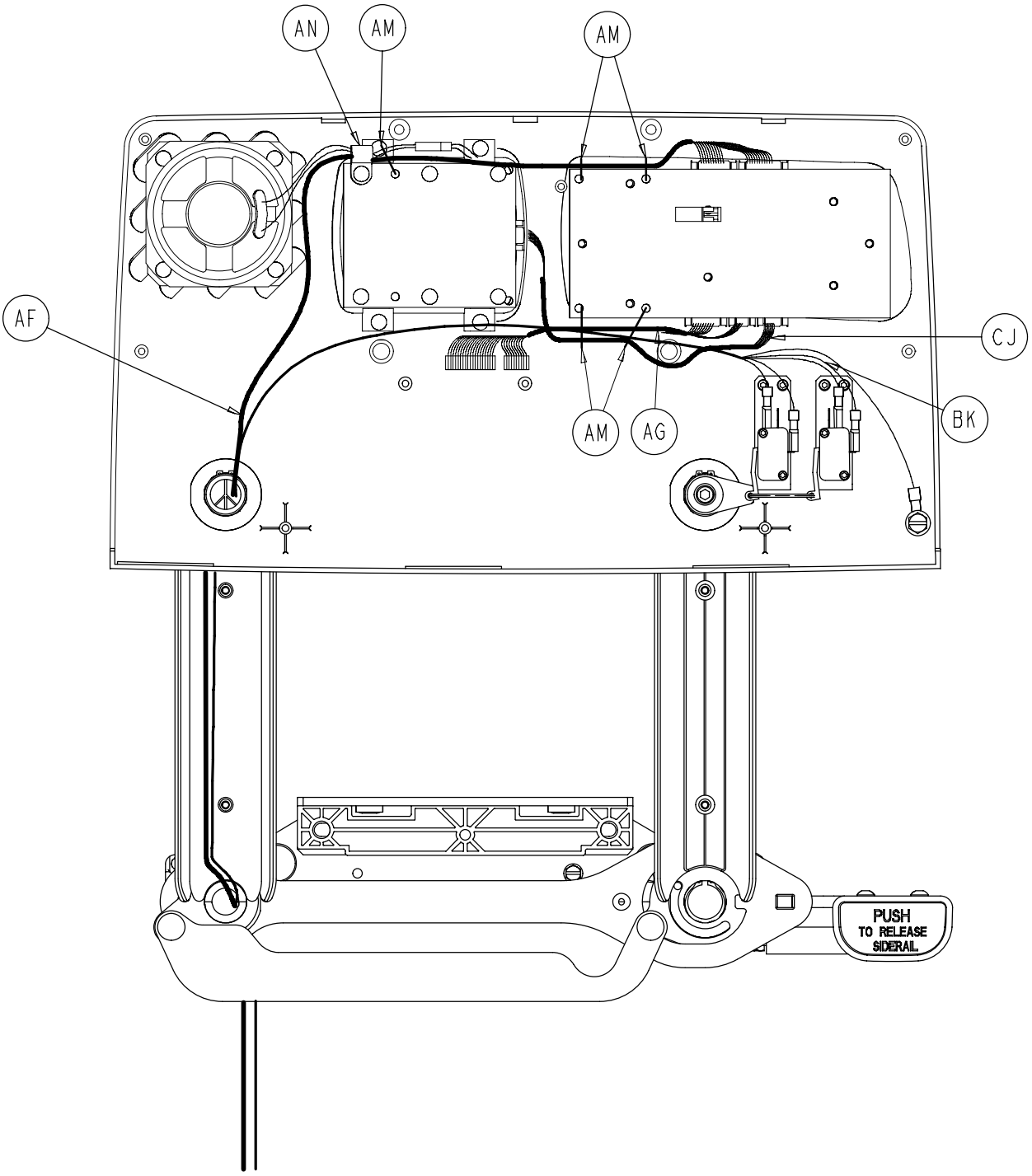


Head End Siderail Assembly



LEFT HEAD END SIDERAIL WIRE ROUTING

Head End Siderail Assembly



RIGHT HEAD END SIDERAIL WIRE ROUTING

Head End Siderail Assembly

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 88)	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 90)	Latch Ass'y, Head, Left	1
X	28–128	Retaining Ring	6
Y	(page 92)	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 93)	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 94)	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 89)	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 91)	Latch Ass'y, Head, Right	1
X	28–128	Retaining Ring	6
Y	(page 92)	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 93)	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 94)	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

2033–501–105 Left Rail – TriaDyne III

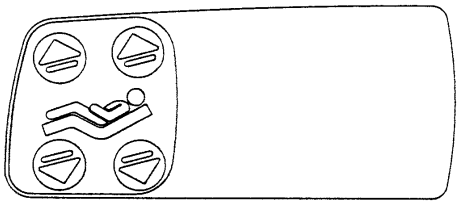
Item	Part No.	Part Name	Qty.
D	4–101	Soc. Hd. Cap Screw	2
E	4–127	Soc. Hd. Cap Screw	2
P	16–69	Twin Fastener	1
N	16–23	Fiberlock Nut	2
AE	2035–20–62	Limit Switch Bracket	1
AL	2033–300–41	Micro Switch	2
AY	3001–400–130	Supt. Wldmt., Hd. End, Lt.	1
BK	2033–22–810	Head End Switches Cable	1
BY	2033–31–11	Snap Switch Link Wire	1

2033–501–205 Right Rail – TriaDyne III

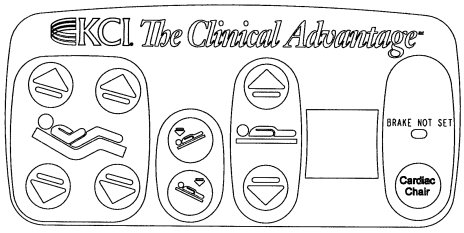
Item	Part No.	Part Name	Qty.
D	4–101	Soc. Hd. Cap Screw	2
D	4–127	Soc. Hd. Cap Screw	2
P	16–69	Twin Fastener	1
N	16–23	Fiberlock Nut	2
AE	2035–20–62	Limit Switch Bracket	1
AL	2033–300–41	Micro Switch	2
AY	3001–400–230	Supt. Wldmt., Hd. End, Rt.	1
BK	2033–22–810	Head End Switches Cable	1
BY	2033–31–11	Snap Switch Link Wire	1

2033–20–11 TriaDyne III 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	26
CD	3001–400–522	Filler Cap	20
CE	3001–400–517	Speaker Seal	2
CF	3001–400–535	Inner Panel Blank Module	2
CH	2033–000–300	Label, Standard, Left	1
CH	2033–000–400	Label, Standard, Right	1

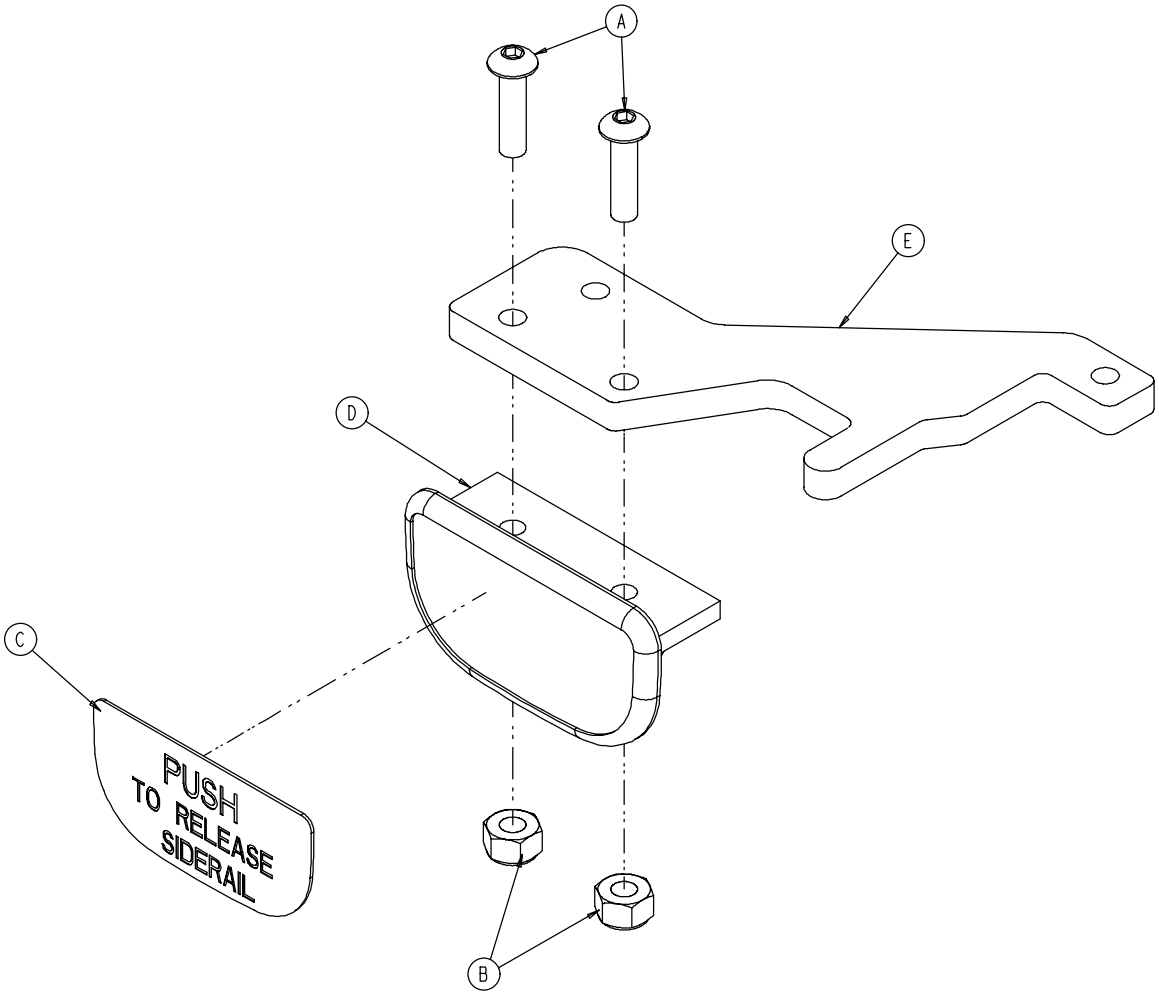


Right Inner Siderail Label



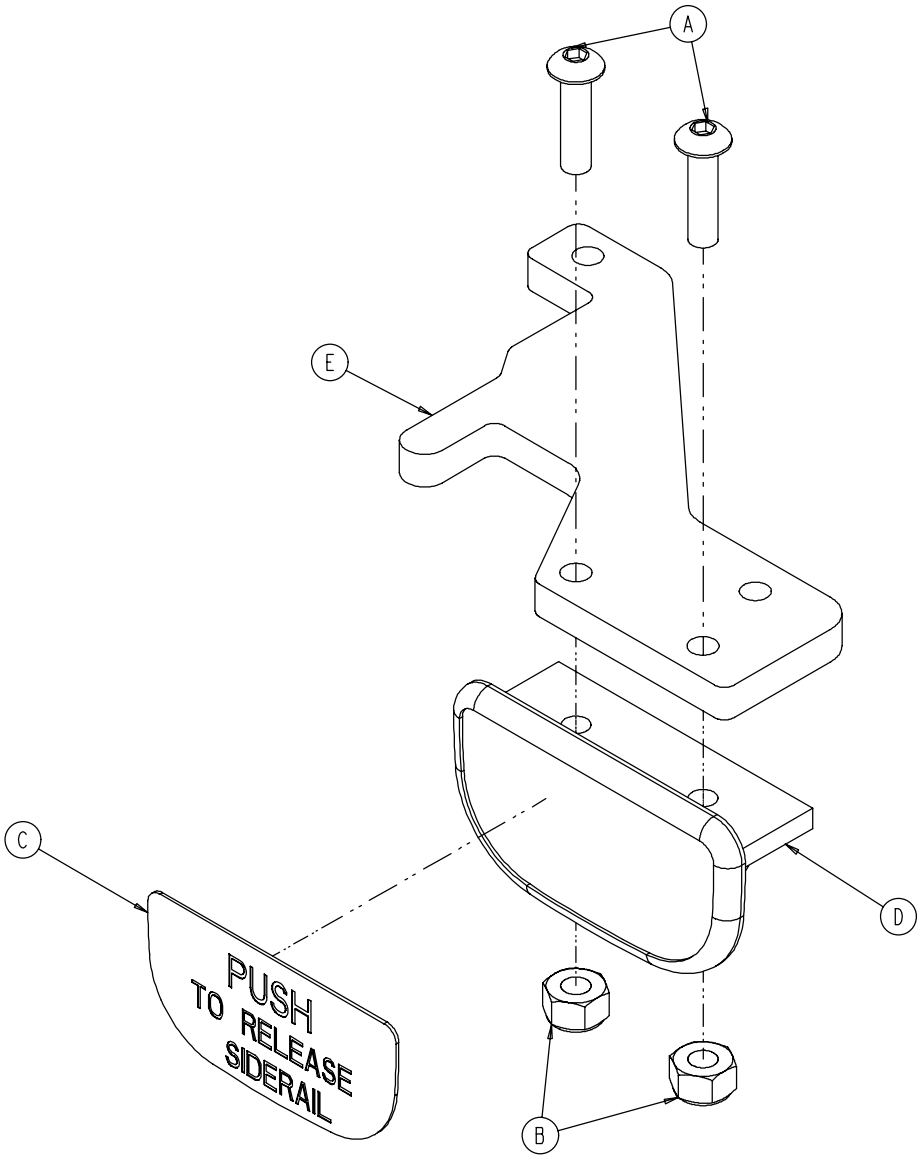
Right Outer Siderail Label

3002−400−55 Siderail Release Lever Assembly, Left



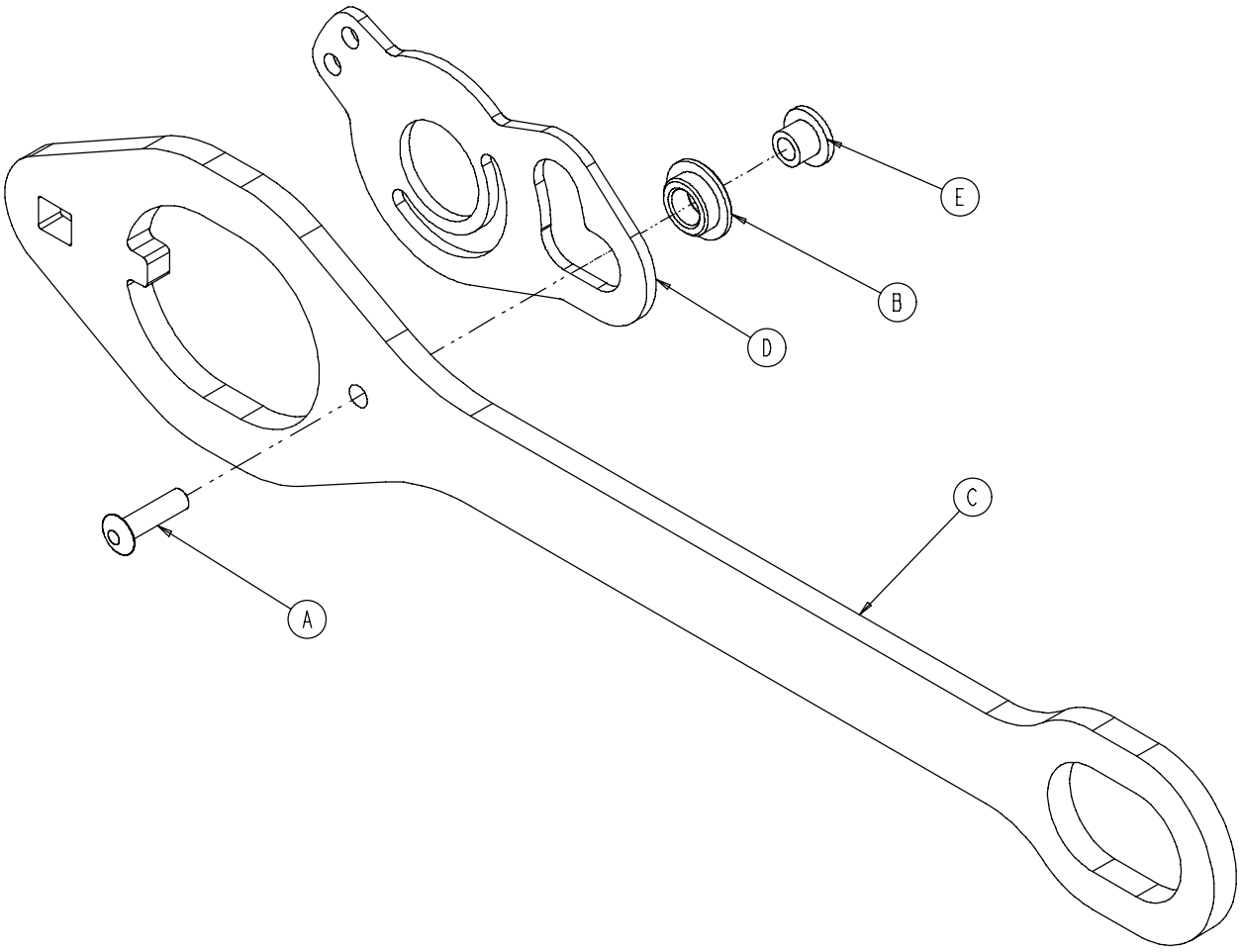
Item	Part No.	Part Name	Qty.
A	4−278	Socket But. Hd. Cap Screw	2
B	16−2	Hex Nut	2
C	3003−503−901	Release Label	1
D	3001−400−514	Release Lever Pad	1
E	3002−400−510	Release Lever	1

3002−400−65 Siderail Release Lever Assembly, Right



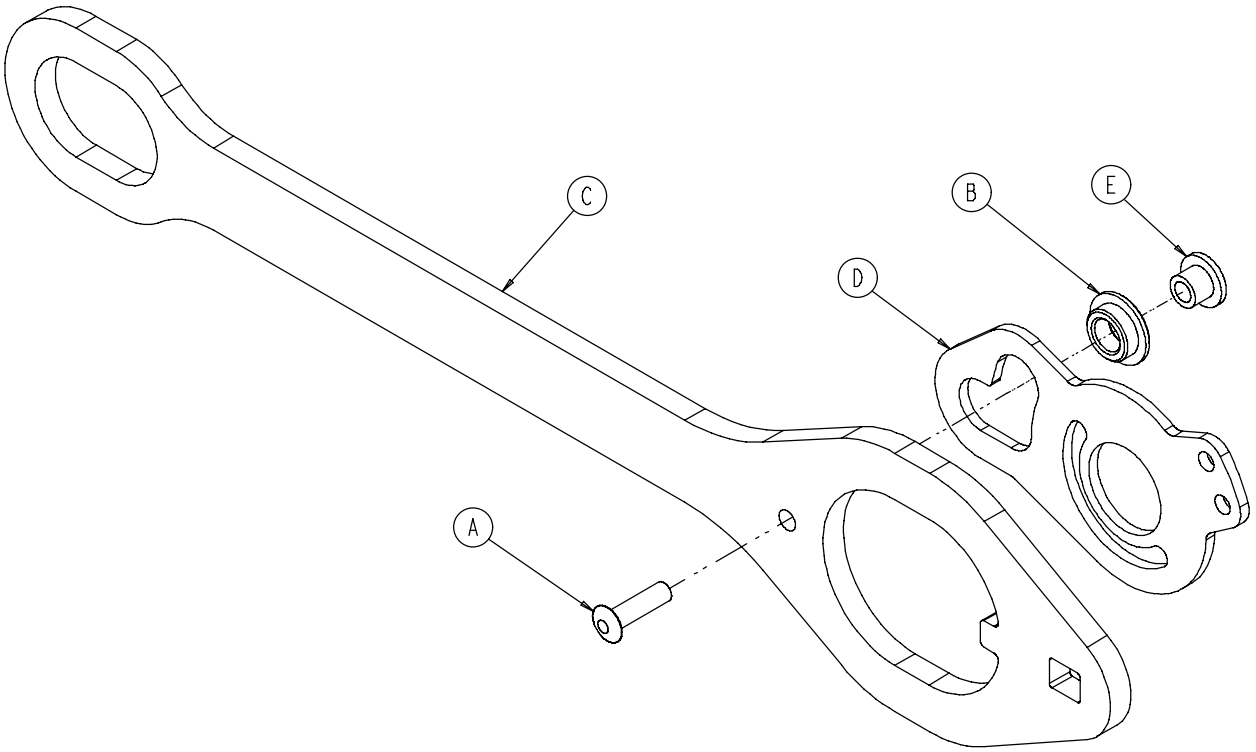
Item	Part No.	Part Name	Qty.
A	4−278	Socket But. Hd. Cap Screw	2
B	16−2	Hex Nut	2
C	3003−503−901	Release Label	1
D	3001−400−514	Release Lever Pad	1
E	3002−400−510	Release Lever	1

3002–400–70 Head End Siderail Latch Assembly, 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

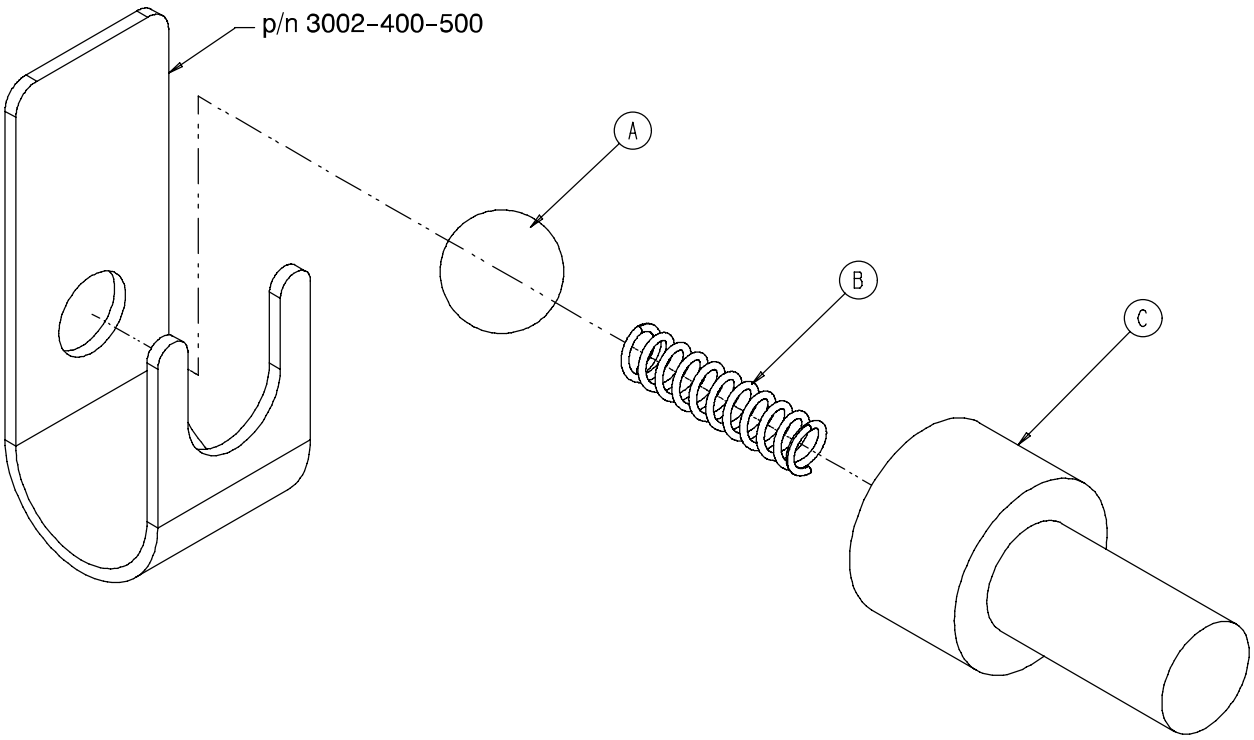
3002–400–75 Head End Siderail Latch Assembly, Right



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

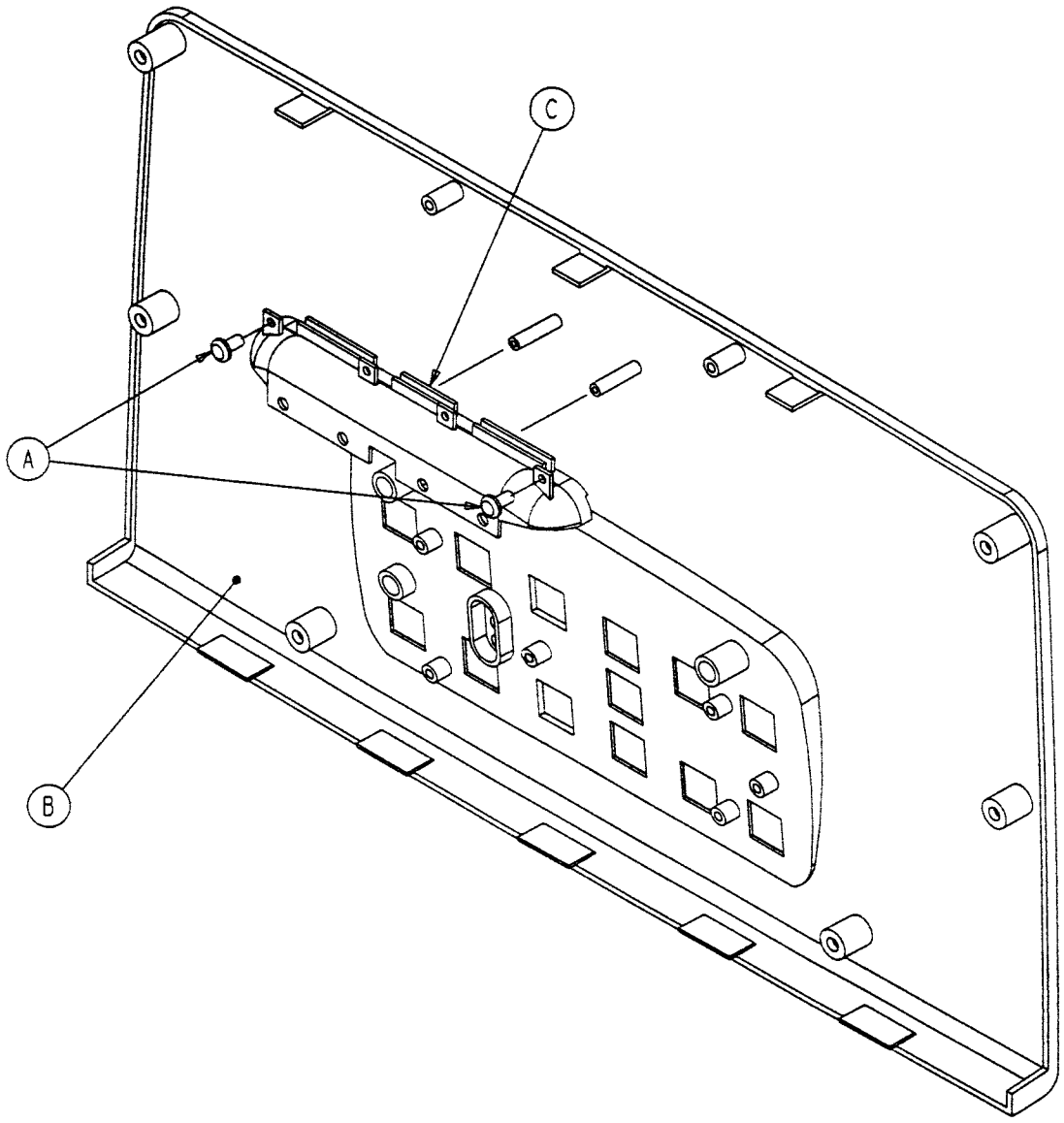
Siderail Bypass Detent Clip Assembly

Assembly part number 3002–400–90 (reference only)



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

2035–400–50 Head End Siderail Outer Panel Assembly

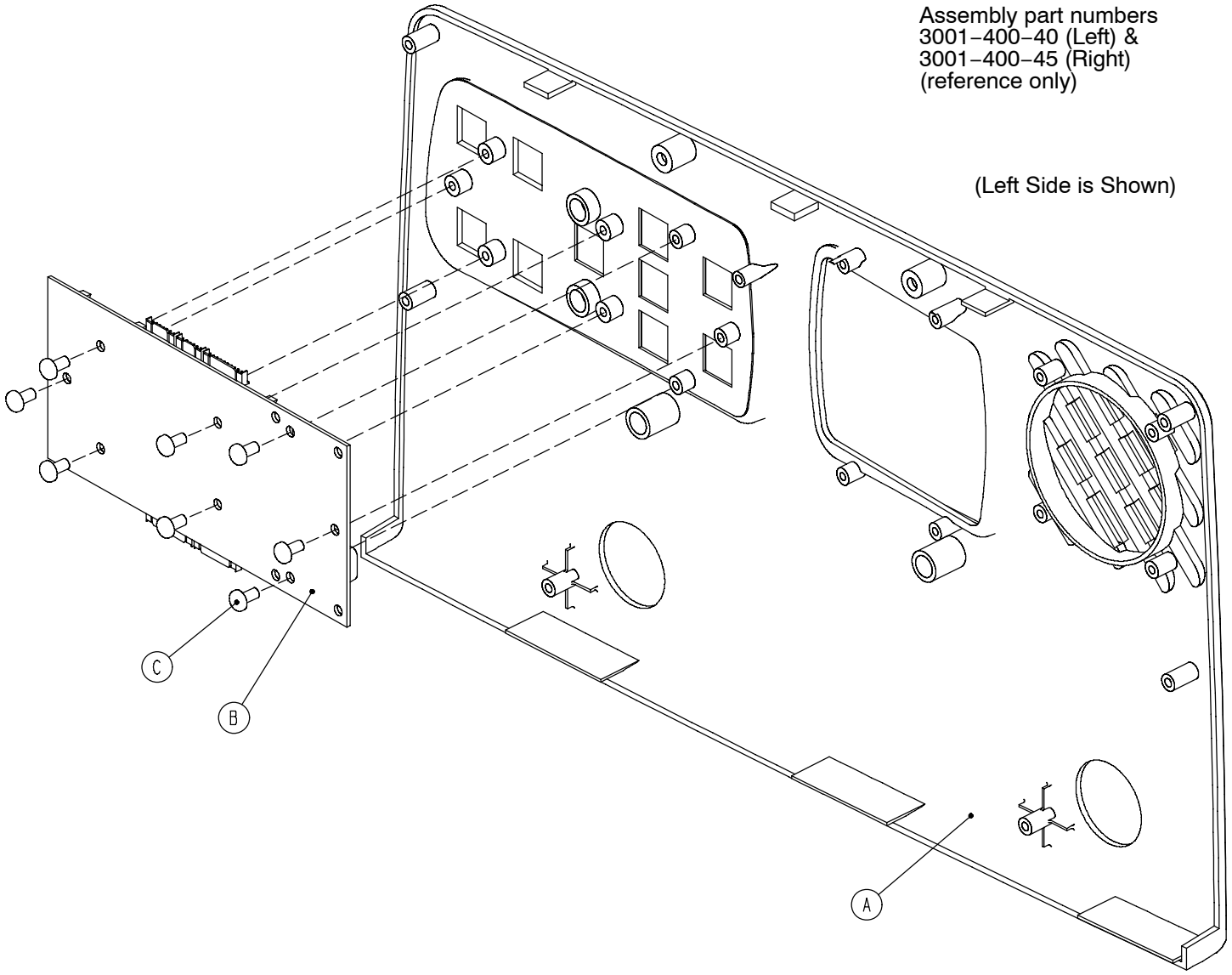


Item	Part No.	Part Name	Qty.
A	23–112	Hi–Low Tapping Screw	2
B	2035–400–102	Outer Panel	1
C	3001–400–599	Handle Insert	1

Head End Siderail Inner Panel Assembly

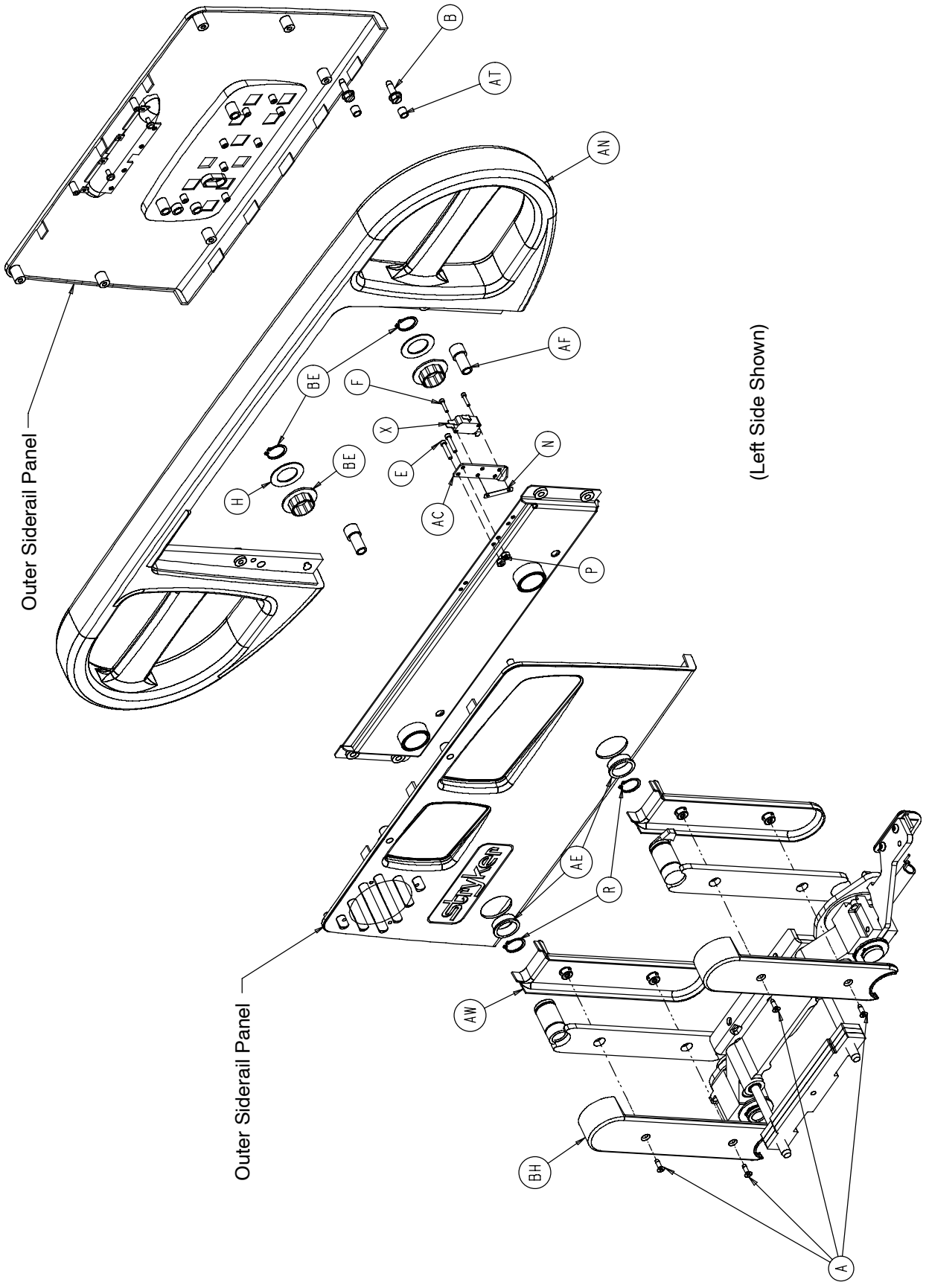
Assembly part numbers
3001−400−40 (Left) &
3001−400−45 (Right)
(reference only)

(Left Side is Shown)

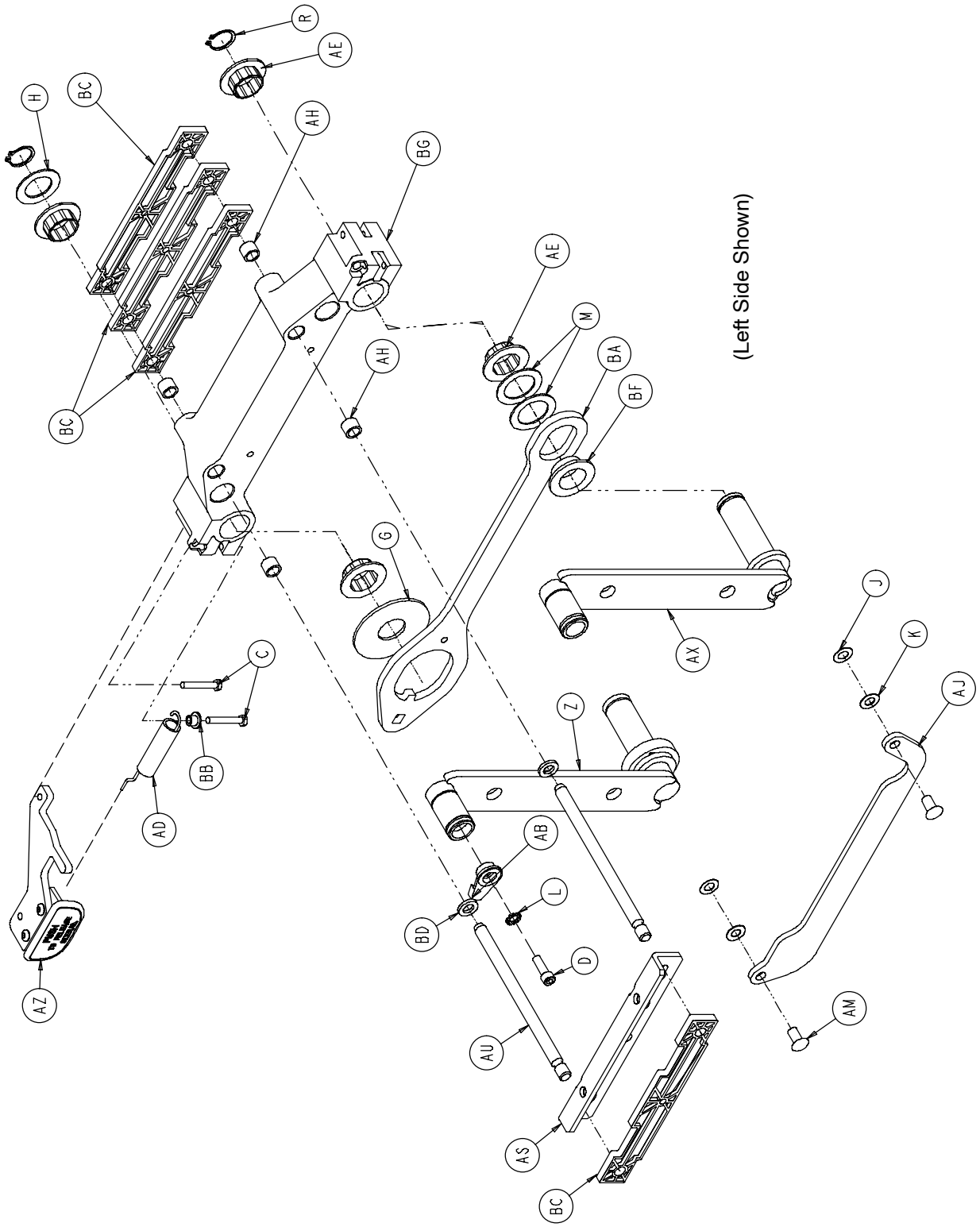


Item	Part No.	Part Name	Qty.
A	3001−400−101	Left Inner Panel	1
	3001−400−201	Right Inner Panel	1
B	3001−400−900	Inner Siderail PCB Assembly	1
C	23−112	Hi−Low Tapping Screw	8

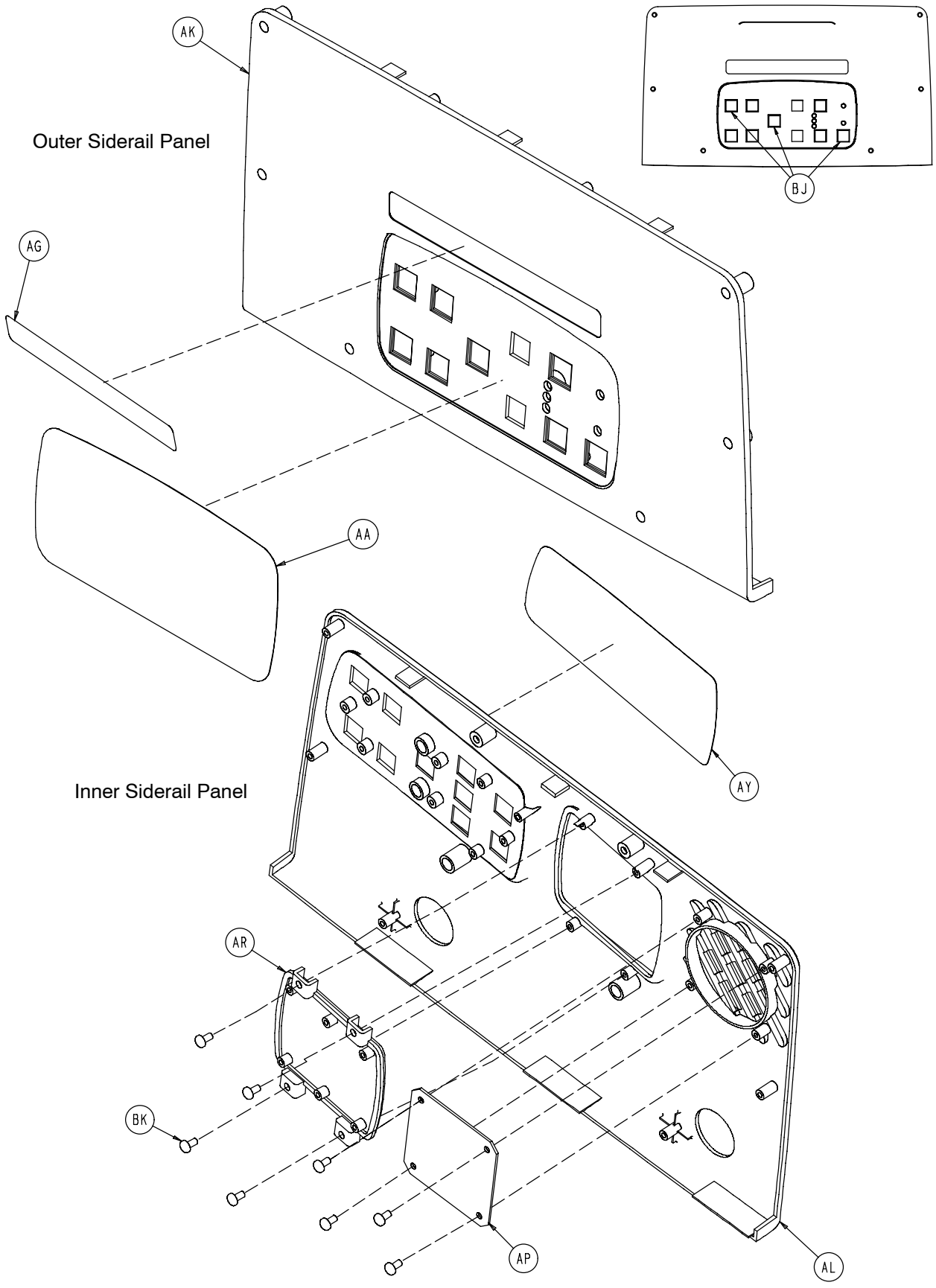
Foot End Siderail Assembly



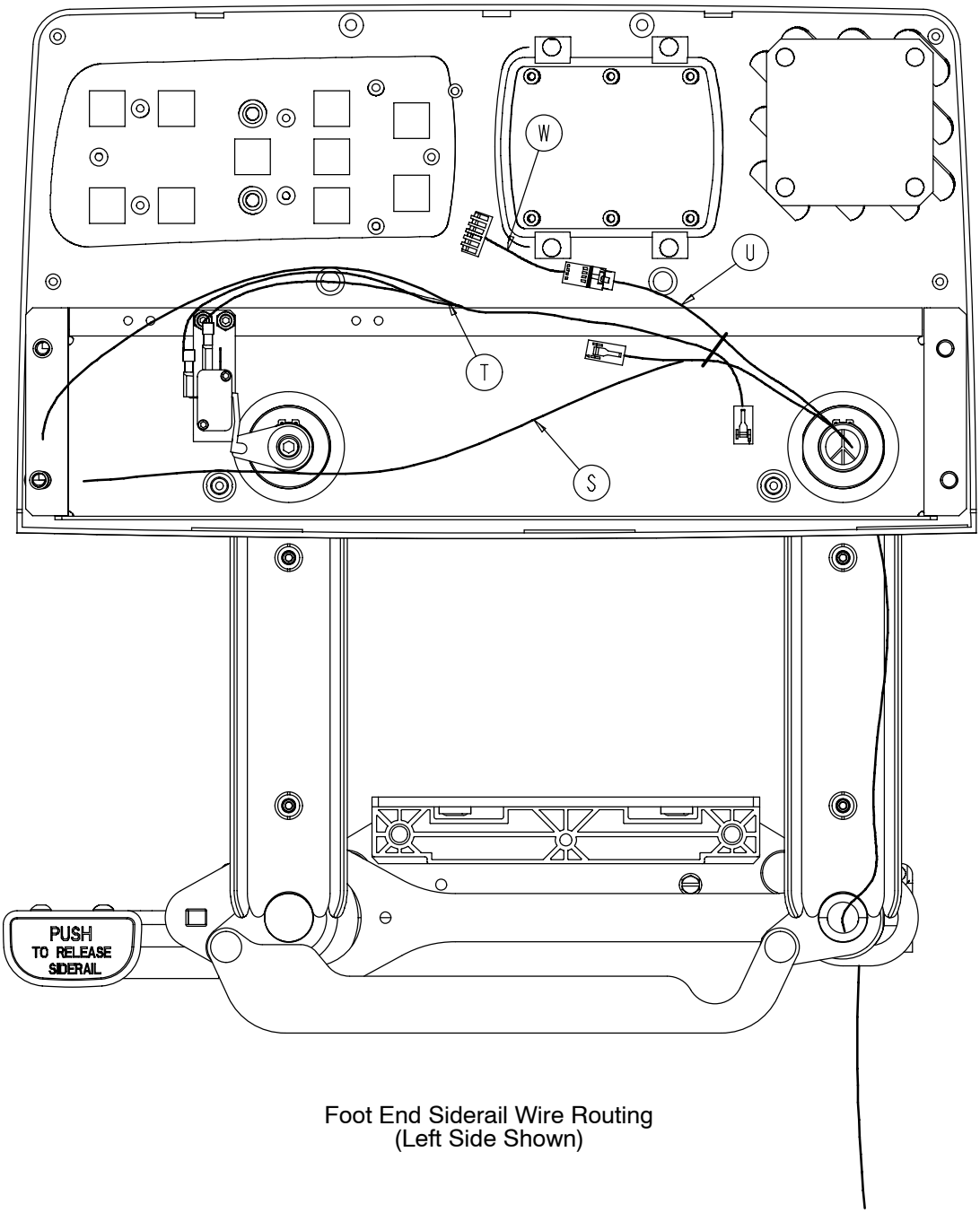
Foot End Siderail Assembly



Foot End Siderail Assembly



Foot End Siderail Assembly



Foot End Siderail Wire Routing
(Left Side Shown)

Foot End Siderail Assembly

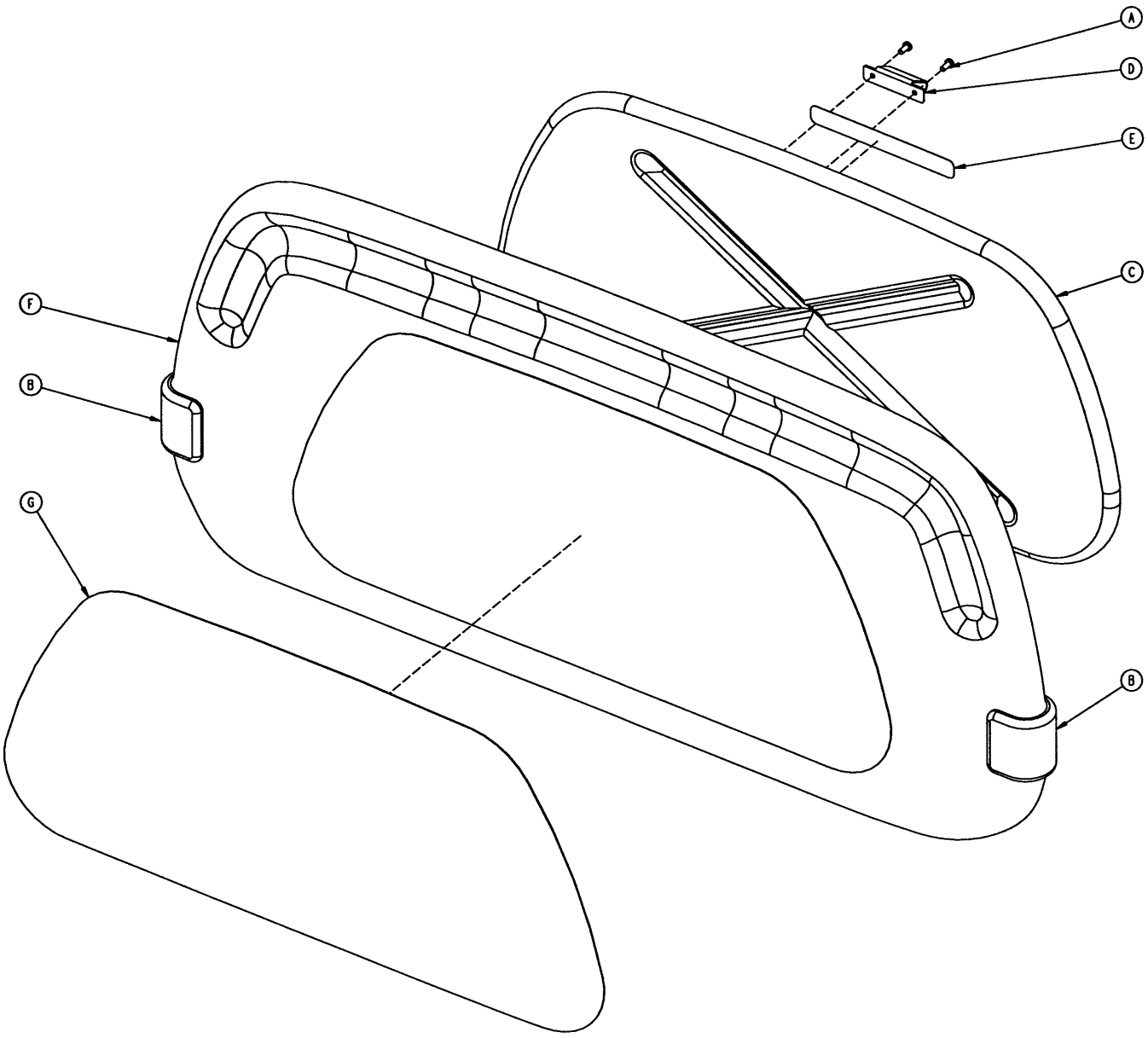
2033–400–305 Left Common Components

Item	Part No.	Part Name	Qty.
A	1–72	Ph. Flat Hd. Mach. Screw	4
B	3–226	Hex Washer Hd. Screw	4
C	3–344	Hex Hd. Cap Screw	2
D	4–9	Soc. Hd. Cap Screw	1
E	4–101	Soc. Hd. Cap Screw	2
F	4–127	Soc. Hd. Cap Screw	2
G	11–185	Washer	1
H	11–343	Shim Washer	3
J	11–377	Washer	2
K	11–491	Steel Shim Washer	2
L	13–10	Lock Washer	1
M	14–93	Washer	2
N	16–69	Twin Fastener	1
P	16–23	Fiberlock Nut	2
R	28–128	Retaining Ring	6
S	2033–22–807	Ft. Siderail Cable, Left	1
T	2033–22–808	Board Cable	1
U	2033–22–811	Siderail Panel Cable	1
W	2033–22–812	Siderail Jumper Cable	1
X	3000–300–41	Micro–Switch	1
Y	3001–400–130	Supt. Wldmt., Head, Left	1
Z	2033–401–327	Arm Wldmt., Lt., Ft., Ft.	1
AA	2033–445–635	Foot End Label	1
AB	2035–20–60	Limit Switch Cam	1
AC	2035–20–62	Limit Switch Bracket	1
AD	3000–200–334	Extension Spring	1
AE	3000–400–513	Wear Bushing	2
AF	3000–400–523	Panel Spacer	2
AG	3000–400–556	Warning Label	1
AH	3000–400–557	Sleeve Bearing	4
AJ	3001–400–11	Head End Timing Link	1
AK	3001–400–50	Outer Siderail Panel	1
AL	3001–400–101	Inner Siderail Panel, Left	1
AM	3001–400–501	Siderail Linkage Rivet	2
AN	3001–400–515	Head Rail	1
AP	3001–400–517	Speaker Seal	1
AR	3001–400–535	Inner Panel Blank Module	1
AS	3001–400–555	Mounting Bracket	1
AT	3001–400–558	Siderail Spacer	4
AU	3001–400–564	Glide Rod	2
AW	3001–400–619	Outer Arm Cover	2
AX	3002–501–228	Arm Wldmt., Rt., Hd., Hd.	1
AY	3001–445–621	Blank Label, Left	1
AZ	(page 88)	Release Lever Ass'y, Lt.	1
BA	3002–400–501	Latch	1
BB	3002–400–509	Bypass Bushing Spacer	1
BC	3002–400–511	Glide Rod Bumper Pad	4
BD	3002–400–512	Bumper Washer	2
BE	3002–400–513	Pivot Bushing	6
BF	3002–400–519	Latch Bushing	2
BG	3002–400–528	Siderail Carrier	1
BH	5000–20–5	Inner Arm Cover	2
BJ	3001–400–522	Filler Cap	3
BK	23–112	Hi–Low Tapping Screw	8

2033–400–405 Right Common Components

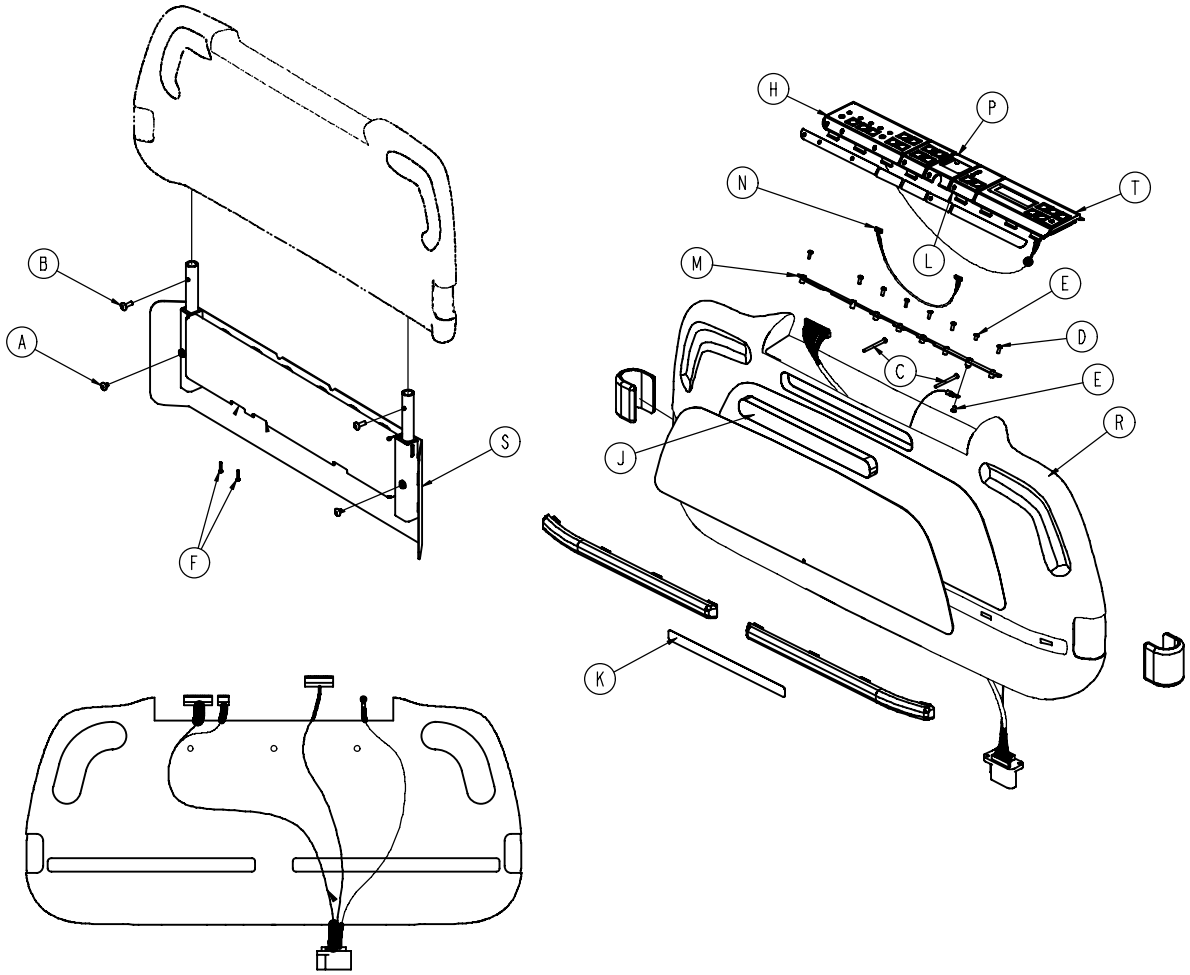
Item	Part No.	Part Name	Qty.
A	1–72	Ph. Flat Hd. Mach. Screw	4
B	3–226	Hex Washer Hd. Screw	4
C	3–344	Hex Hd. Cap Screw	2
D	4–9	Soc. Hd. Cap Screw	1
E	4–101	Soc. Hd. Cap Screw	2
F	4–127	Soc. Hd. Cap Screw	2
G	11–185	Washer	1
H	11–343	Shim Washer	3
J	11–377	Washer	2
K	11–491	Steel Shim Washer	2
L	13–10	Lock Washer	1
M	14–93	Washer	2
N	16–69	Twin Fastener	1
P	16–23	Fiberlock Nut	2
R	28–128	Retaining Ring	6
S	2033–22–809	Ft. Siderail Cable, Right	1
T	2033–22–808	Board Cable	1
U	2033–22–811	Siderail Panel Cable	1
W	2033–22–812	Siderail Jumper Cable	1
X	3000–300–41	Micro–Switch	1
Y	3001–400–230	Supt. Wldmt., Head, Right	1
Z	2033–401–427	Arm Wldmt., Rt., Ft., Ft.	1
AA	2033–445–635	Foot End Label	1
AB	2035–20–60	Limit Switch Cam	1
AC	2035–20–62	Limit Switch Bracket	1
AD	3000–200–334	Extension Spring	1
AE	3000–400–513	Wear Bushing	2
AF	3000–400–523	Panel Spacer	2
AG	3000–400–556	Warning Label	1
AH	3000–400–557	Sleeve Bearing	4
AJ	3001–400–11	Head End Timing Link	1
AK	3001–400–50	Outer Siderail Panel	1
AL	3001–400–201	Inner Siderail Panel, Right	1
AM	3001–400–501	Siderail Linkage Rivet	2
AN	3001–400–515	Head Rail	1
AP	3001–400–517	Speaker Seal	1
AR	3001–400–535	Inner Panel Blank Module	1
AS	3001–400–555	Mounting Bracket	1
AT	3001–400–558	Siderail Spacer	4
AU	3001–400–564	Glide Rod	2
AW	3001–400–619	Outer Arm Cover	2
AX	3001–501–128	Arm Wldmt., Lt., Hd., Hd.	1
AY	3001–445–611	Blank Label, Right	1
AZ	(page 89)	Release Lever Ass'y, Rt.	1
BA	3002–400–501	Latch	1
BB	3002–400–509	Bypass Bushing Spacer	1
BC	3002–400–511	Glide Rod Bumper Pad	4
BD	3002–400–512	Bumper Washer	2
BE	3002–400–513	Pivot Bushing	6
BF	3002–400–519	Latch Bushing	2
BG	3002–400–528	Siderail Carrier	1
BH	5000–20–5	Inner Arm Cover	2
BJ	3001–400–522	Filler Cap	3
BK	23–112	Hi–Low Tapping Screw	8

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



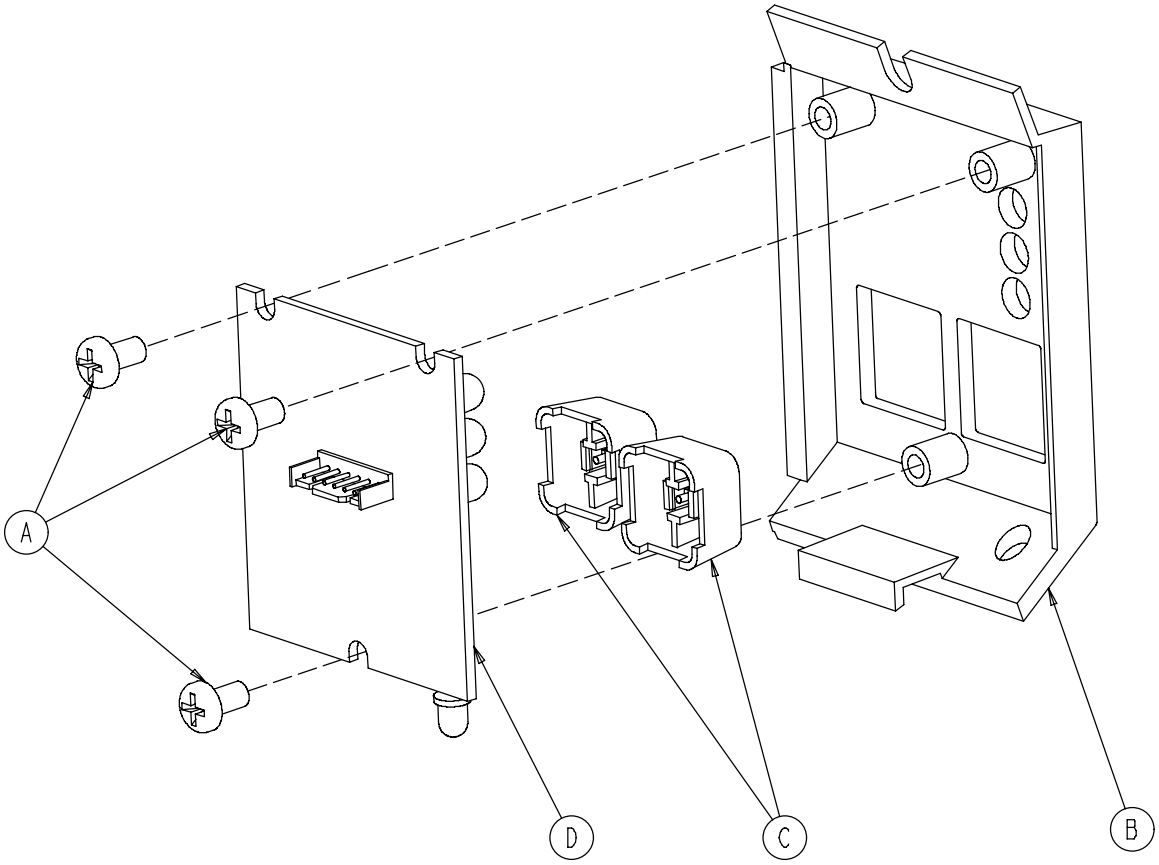
2033–500–21 Standard Components

Item	Part No.	Part Name	Qty.
A	7–53	Truss Hd. Screw	2
B	7–56	Truss Hd. Screw	2
C	23–99	Pan Hd. Screw	2
D	23–103	Pan Hd. Tapping Screw	7
E	50–38	Phillips Hd. Screw	2
F	50–39	Phillips Hd. Screw	2
G	72–2–71	Adhesive (grams)	.30
H	(page 103)	KCI Foot Board Module	1
J	3000–500–8	Chart Rack Cover	1
K	3000–500–29	Hazard Label	1
L	(page 102)	Bed Exit Module Ass'y	1
M	3001–500–64	Hinge Plate	1
N	3001–508–800	Bed Exit Keypad Cable	1
P	3001–545–3	Blank Module	1
R	3001–545–10	KCI Clamshell	1
S	3001–545–110	Foot Board Extender	1
T	(page 105)	Scale Module Assembly	1

2033–545–21 TriaDyne III Components

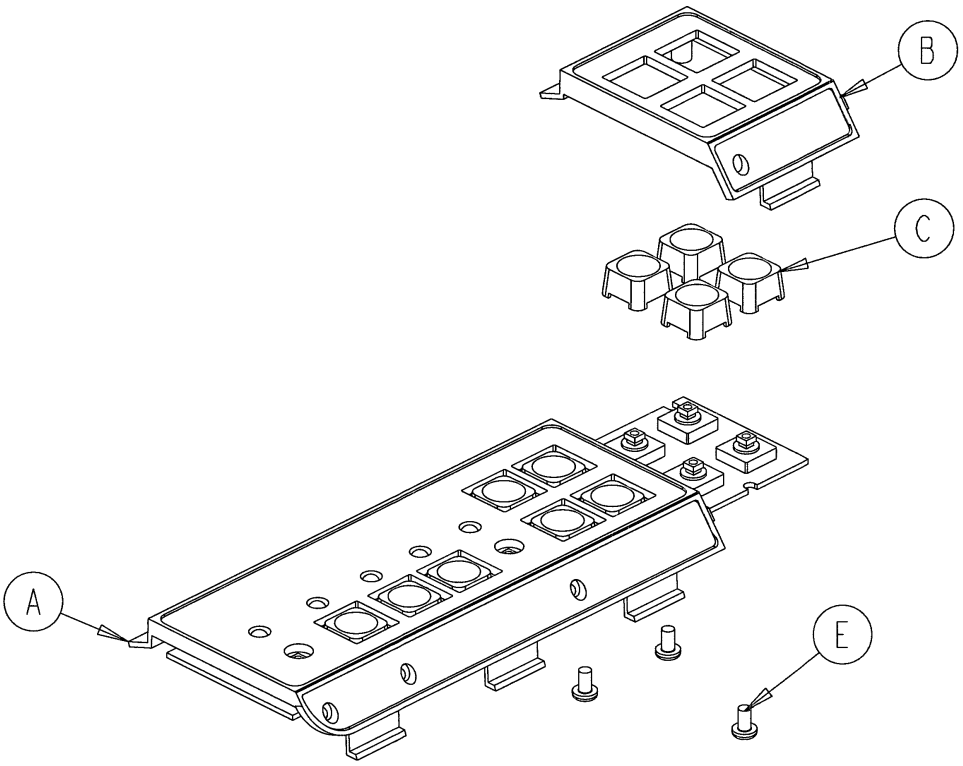
Item	Part No.	Part Name	Qty.
AA	2030–000–902	KCI Scale Module Label	1
AB	2033–545–26	KCI Blank Module Label	1
AC	2033–31–806	Foot Board Drawer Cable	1
AD	2030–000–151	Standard Module Label	1
AE	2035–000–153	Gatch/Fow. Module Label	1
AF	2035–500–7	Blue "C" Bumper	2
AG	2035–500–8	Strip Bumper	2
AH	3000–500–56	Beige Laminate	1

3002–508–30 Foot Board Zone Bed Exit Module



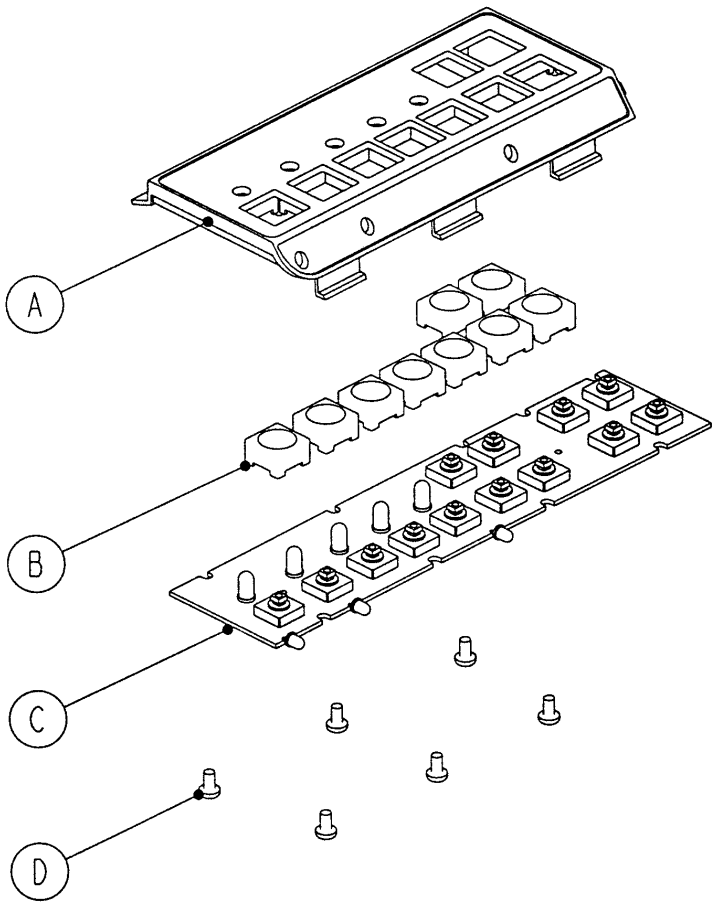
Item	Part No.	Part Name	Qty.
A	23–87	Hi–Low Tapping Screw	3
B	3000–508–1	End Exit Module Panel	1
C	3001–400–953	Switch Cap	2
D	3002–508–900	Bed Exit Board	1

2033–235–020 KCI Foot Board Module Assembly



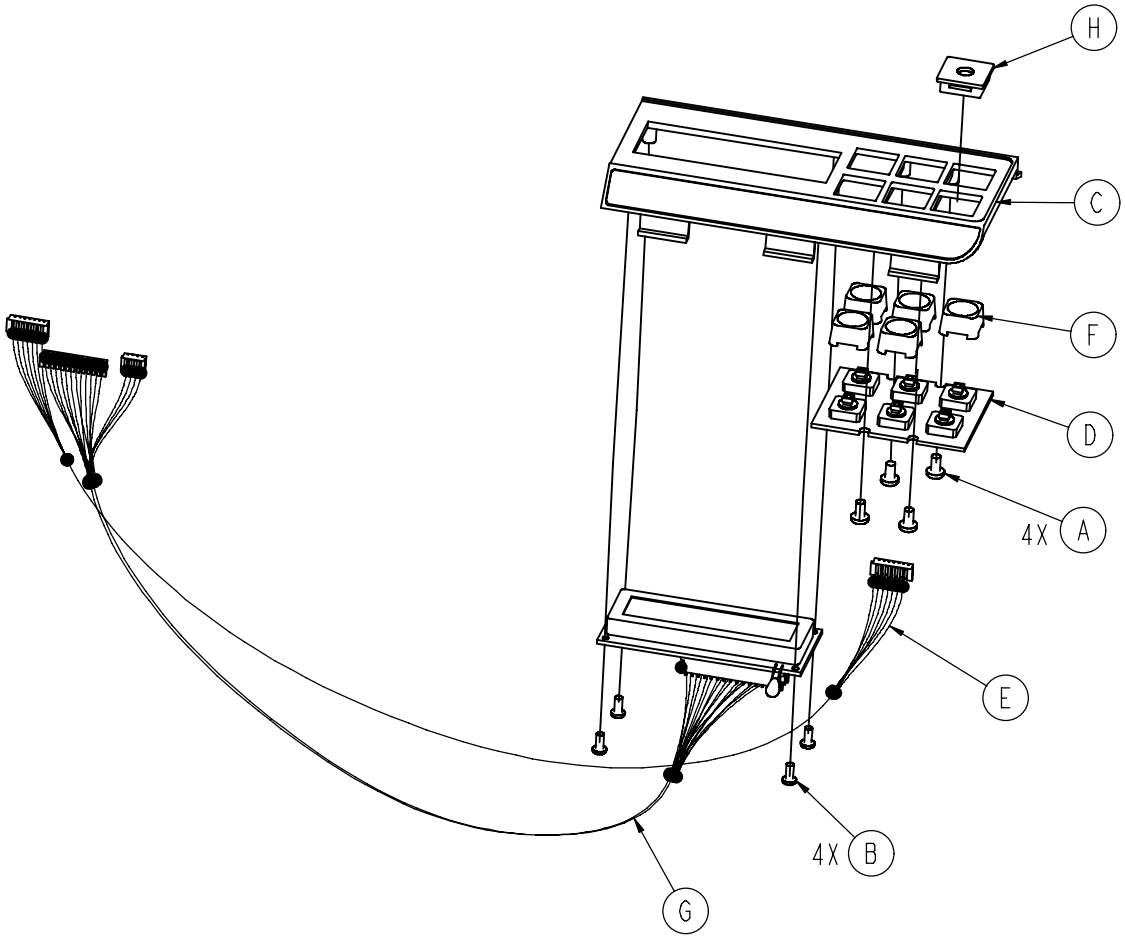
Item	Part No.	Part Name	Qty.
A	(104)	Standard Module Assembly	1
B	3000–500–1	Gatch/Fowler Module	1
C	3001–400–953	Switch Cap	4
E	23–87	Pan Hd. Tapping Screw	3

3001–500–28 Foot Board Standard Module Assembly



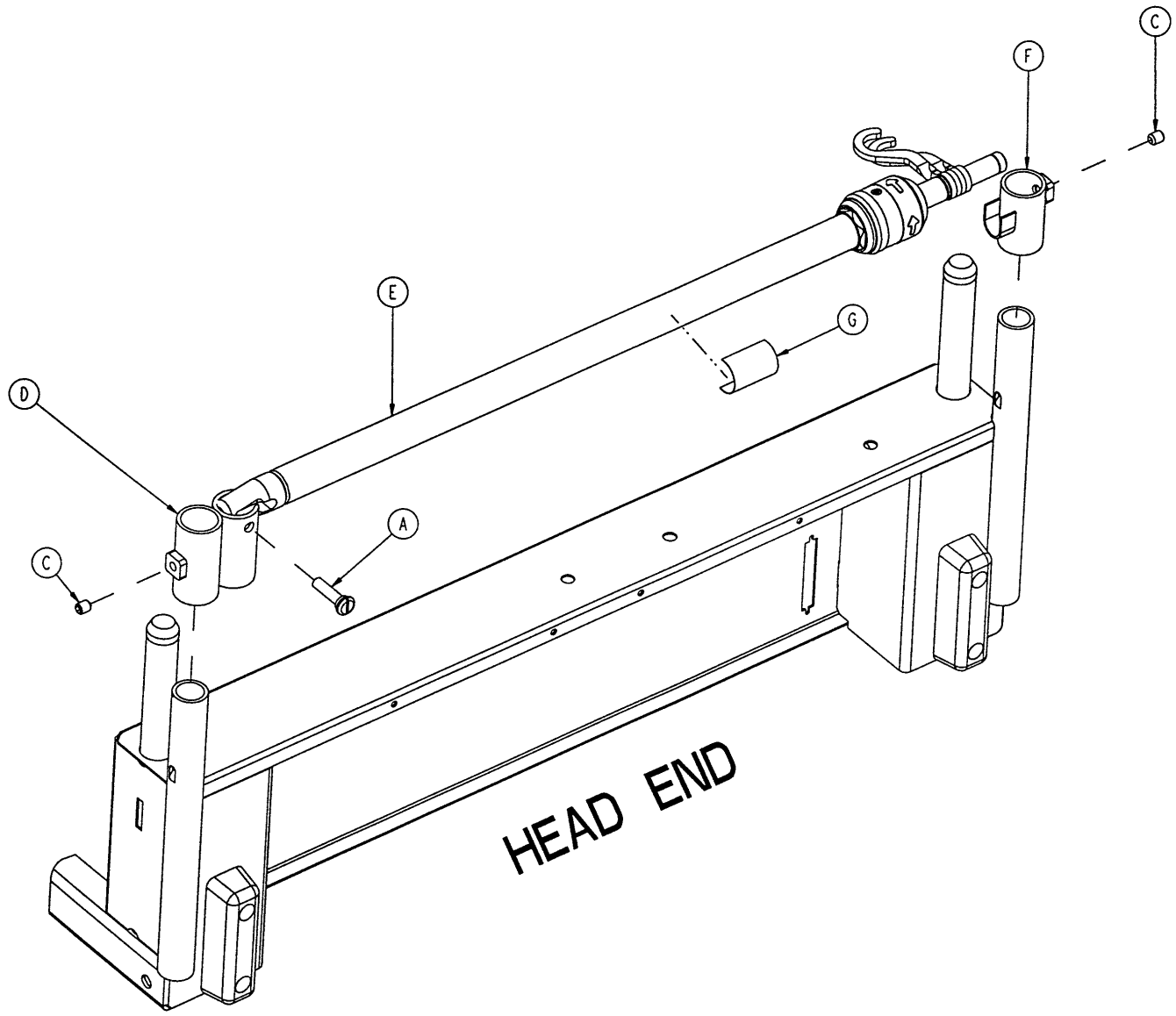
Item	Part No.	Part Name	Qty.
A	3000–500–2	Foot Board Standard Module	1
B	3001–400–953	Switch Cap	9
C	3001–500–930	Main Foot Board Keyboard	1
D	23–87	Pan Hd. Tapping Screw	6

3002−015−001 Foot Board Scale Module Assembly



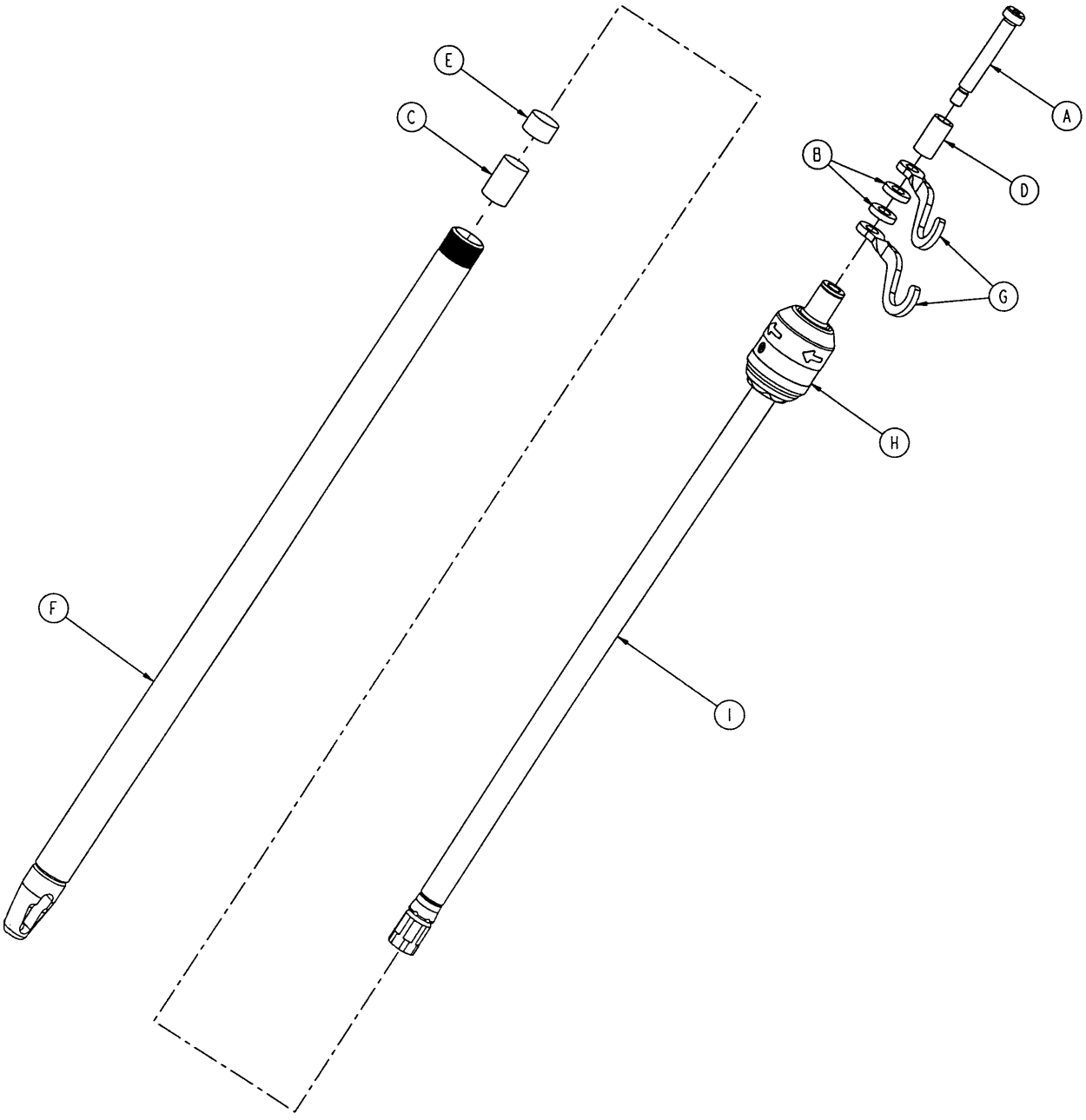
Item	Part No.	Part Name	Qty.
A	23−87	Pan Hd. Hi−Lo Tapping Screw	4
B	23−91	Pan Hd. Hi−Lo Tapping Screw	4
C	3001−507−1	Scale Module	1
D	3001−507−910	Scale Keypad	1
E	3001−507−800	Scale Keypad Cable	1
F	3001−400−953	Switch Cap	5
G	3002−507−900	Scale Display Cable	1
H	3001−400−552	Filler Cap	1

2035–112 Optional Head End 2–Stage IV Assembly



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 107)	I.V. Pole Assembly, Left	1
F	3000–311–16	I.V. Rest	1
G	2035–112–110	Specification Label	1

2035–112–10 & 2035–113–11 2–Stage IV Pole Ass'y



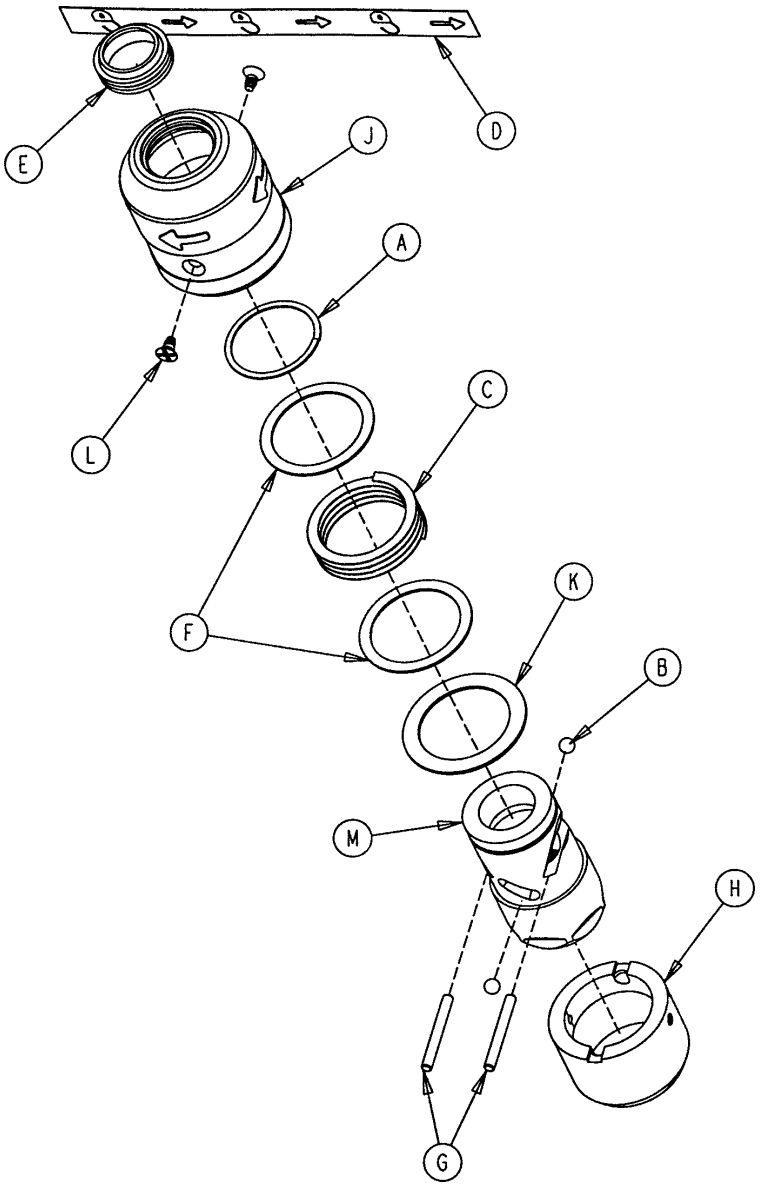
2035–112–10 Head End, Left

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	IV Hook	2
H	(page 108)	IV Pole Latch	1
I	1211–110–29	2nd Stage Assembly	1

2035–113–11 Foot End, Right

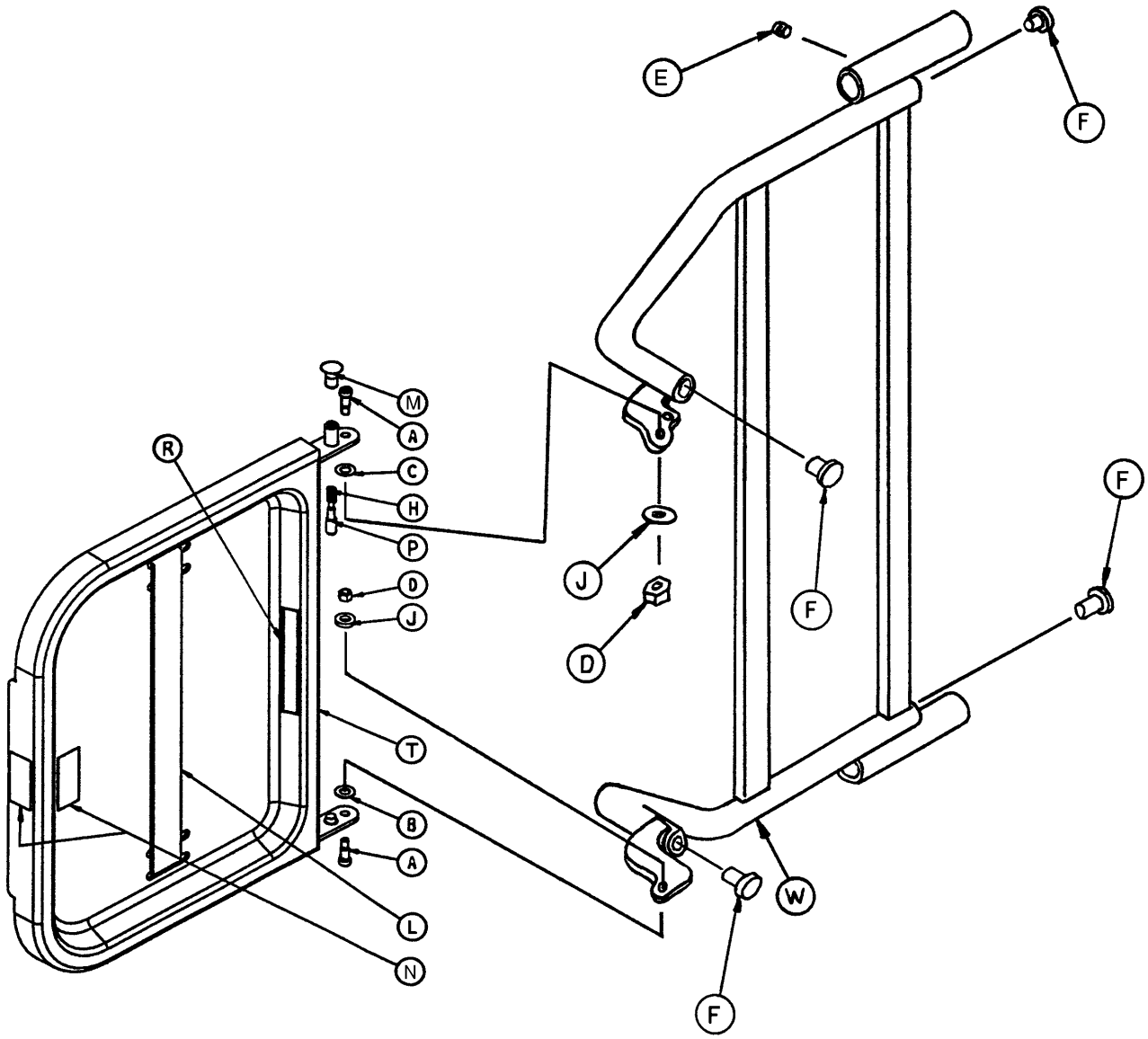
Item	Part No.	Part Name	Qty.
A	8–31	Soc. Hd. Shoulder Screw	1
B	52–17	Washer	2
C	52–311	Spacer	1
D	926–400–162	Spacer	1
E	1001–259–13	Dampener	1
F	1001–259–32	Base Tube Weldment	1
G	1010–259–16	IV Hook	2
H	(page 108)	IV Pole Latch	1
I	1211–110–29	2nd Stage Assembly	1

1211–210–26 IV Pole Latch Assembly



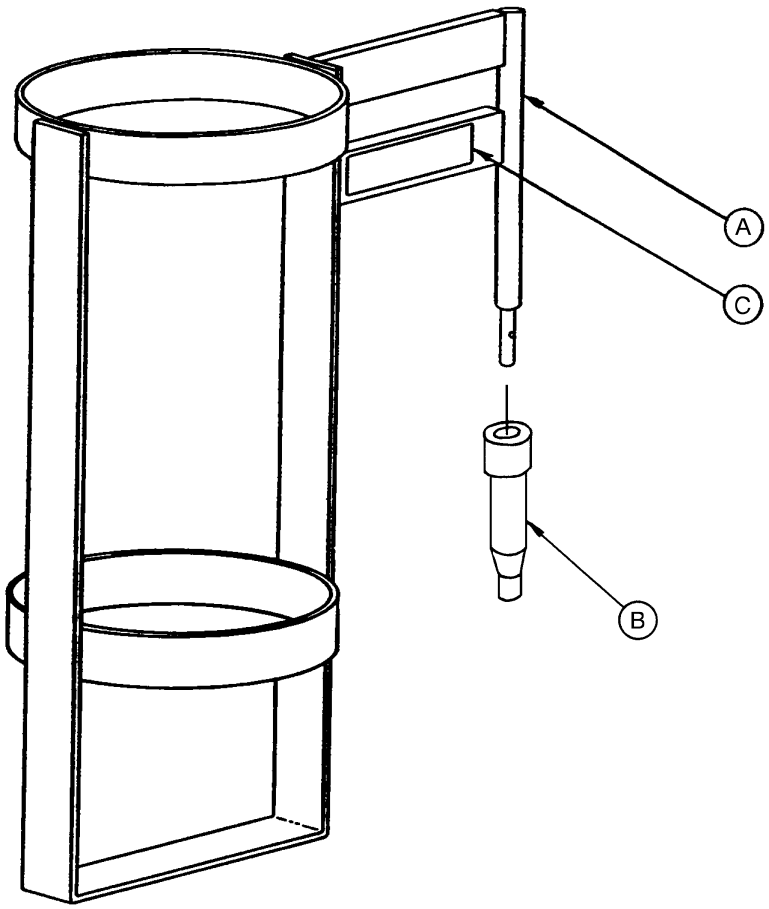
Item	Part No.	Part Name	Qty.
A	28–167	Retaining Ring	1
B	31–4	Steel Ball	2
C	38–392	Crest–to–Crest Spring	1
D	1211–91–34	Release Label	1
E	1211–110–18	IV Latch Seal	1
F	1211–110–20	Washer	2
G	1211–110–21	IV Latch Locking Pin	2
H	1211–110–22	IV Latch Guide	1
J	1211–110–24	IV Latch O.D. Housing	1
K	1211–110–35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

2025−150−10 Optional Upright O2 Bottle Holder



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

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 beds are designed for a 10 year expected life under normal use conditions and appropriate periodic maintenance as described in the maintenance manual for each device.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. STRYKER MAKES NO OTHER WARRANTY OR REPRESENTATION, EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL STRYKER BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

Return Authorization:

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items.

SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.

Damaged Merchandise:

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT. Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

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

International Warranty Clause:

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

European Representative

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