

S3® MedSurg Bed with StayPut® Frame

Maintenance Manual

REF 3005



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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 product 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 - Provides special information to make maintenance easier or important instructions clearer.

Summary of safety precautions

Always read and strictly follow the warnings and cautions listed on this page. Service only by qualified personnel.

WARNING

- Always make sure that no patient is on the product while you perform this procedure.
-

CAUTION

- Always use ESD protective equipment before you open antistatic bags and service electronic parts.
 - Do not place unprotected circuit boards on the floor.
 - Always secure the cable clamps to the cords at the first coil on the top and bottom to make sure that there is not too much slack in the cords between the top of the lift housing assembly and the bottom of the header crossbar when you replace the power and sensor coil cords. Make sure that the clamps are fastened at exactly the correct angle. Arrange the cords exactly as shown, with the left in front of the right. If not done correctly, damage to the cords may result.
 - Always make sure that the head section stops when it is at the highest height position and the ball nut bracket (C) is approximately 3/4 in. from the panel (D).
 - Always make sure that the head section stops when it is at the highest height position and the Fowler link does not come in contact with the Fowler actuator weldment.
 - Always make sure that the Fowler is at the lowest height position before you perform this procedure.
 - Always make sure that the Fowler motor stops at the upper and lower electric limits. If it does not, see *Limit setting - Fowler motor* (page 38).
 - Always make sure that the load cell's strain gauge is facing up during replacement. The weigh system will not work as intended if the strain gauge is not facing up.
 - Always make sure that all cables are free and clear before you tighten the screws.
 - Do not pull on the cables when you remove the cover. Two cables connect the outside cover to the head end siderail.
 - Do not snag the cables when you install the siderail cover.
 - Always make sure that you install the plug with the flat edge (B) at the top left (plug orientation) or the footboard interface plug will not mate with the bed. Damage to the plug or the footboard may result.
-

Introduction for service

This manual assists you with the service of your Stryker product. Read this manual to service this product. This manual does not address the operation of this product. See the Operations Manual for operating and use instructions. To view your Operations Manual online, see <https://techweb.stryker.com/>.

Expected service life

The 3005 S3 MedSurg bed has a ten year expected service life under normal use conditions and with appropriate periodic maintenance.

The motion/nurse call pendant option has a two year expected service life under normal use conditions.

The motion/nurse call/SmartTV pendant option has a two year expected service life under normal use conditions.

The **iBed** Wireless components option has a three year expected service life under normal use conditions.

Contact information

Contact Stryker Customer Service or Technical Support at: 1-800-327-0770.

Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA

To view your operations or maintenance manual online, see <https://techweb.stryker.com/>.

Have the serial number (A) of your Stryker product available when calling Stryker Customer Service or Technical Support. Include the serial number in all written communication.

Serial number location

You can find the serial number (A) above the power cord behind the headboard (Figure 1).

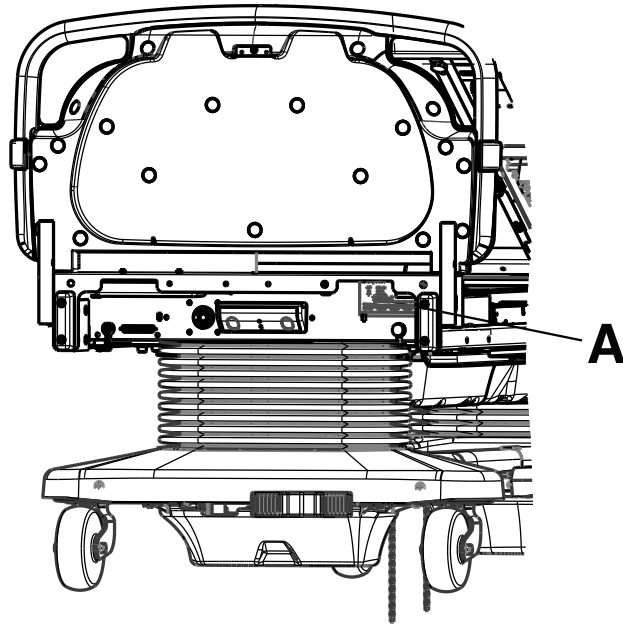


Figure 1 – Serial number location

Maintenance menu

The maintenance menu screen contains all of the non-regularly accessible features of the product. This menu provides an interface for the user and/or service personnel to provide the ability to control and access maintenance features.

Maintenance menu items

Fully loaded bed or iBed:	Standard bed:
<ol style="list-style-type: none">1. Calib. Scale (calibrate scale)2. TV Config. (TV configuration)3. Scale Info. (scale info/stats)4. Clear Scale Stats5. Error Log (view error log)6. Clear Errors (clear error log)7. Scale Units (lock scale units)8. About (about product)9. Exit Menu (exit maintenance)	<ol style="list-style-type: none">1. TV Config. (TV configuration)2. Error Log (view error log)3. Clear Errors (clear error log)4. About (about product)5. Exit Menu (exit maintenance)

Note

- Each menu item provides the operator with a different function.
- Use the up and down menu arrows to scroll through the menu items.
- Press the **Enter/Check** button to select a menu item. The display will move into the sequence for the selected item, if available.

Load cell check

The Load Cell Check feature automatically checks all four load cells to make sure that they work.

A self-diagnostic feature will run and display results when you enter maintenance. While the procedure runs, **Load Cell Check** will display. Any errors will display as a **Load Cell Error** message. Depending on the error, an HL, HR, FL, or FR will display below the message (*Error messages* (page 20)).

If no errors are present, the maintenance menu will display and menu items 1-9 above may be accessed where applicable.

Scale system calibration

Scale calibration is used to provide the system with a weight offset that occurs when you position the product into Trendelenburg and reverse Trendelenburg positions. This calibration does not apply to the load cells. The load cells are pre-calibrated.

WARNING - Always make sure that no patient is on the product while you perform this procedure.

To calibrate the scale system:

1. In the Maintenance Menu, select the Calib. Scale item. Press and hold the **Enter/Check** button.
2. The **Do Not Touch Bed** message will flash. Use the up and down arrows to select the proper weight (50 lb is the default).
3. Press the **Enter/Check** button after the display shows the proper weight.
4. The **Place Weight in Center** message will display. Place the weight in the center of the product. Press the **Enter/Check** button.

5. The **Press Reverse Trend** message will display. Press the **Reverse Trend** button.
6. The **Release Button** message will display. Release the button and do not touch the product.
7. The **Do Not Touch Bed** message will flash.
8. The **Release Button** message will display when the product is in position. Release the button and do not touch the product.
9. The **Do Not Touch Bed** message will flash.
10. **Save Calibration?** message will display. Press the **Enter/Check** button to save the calibration.
11. **Save Successful** message will display when the product is ready to continue.

Note - If an error occurs during the procedure, **Calibration Error** will display for four seconds.

TV configuration

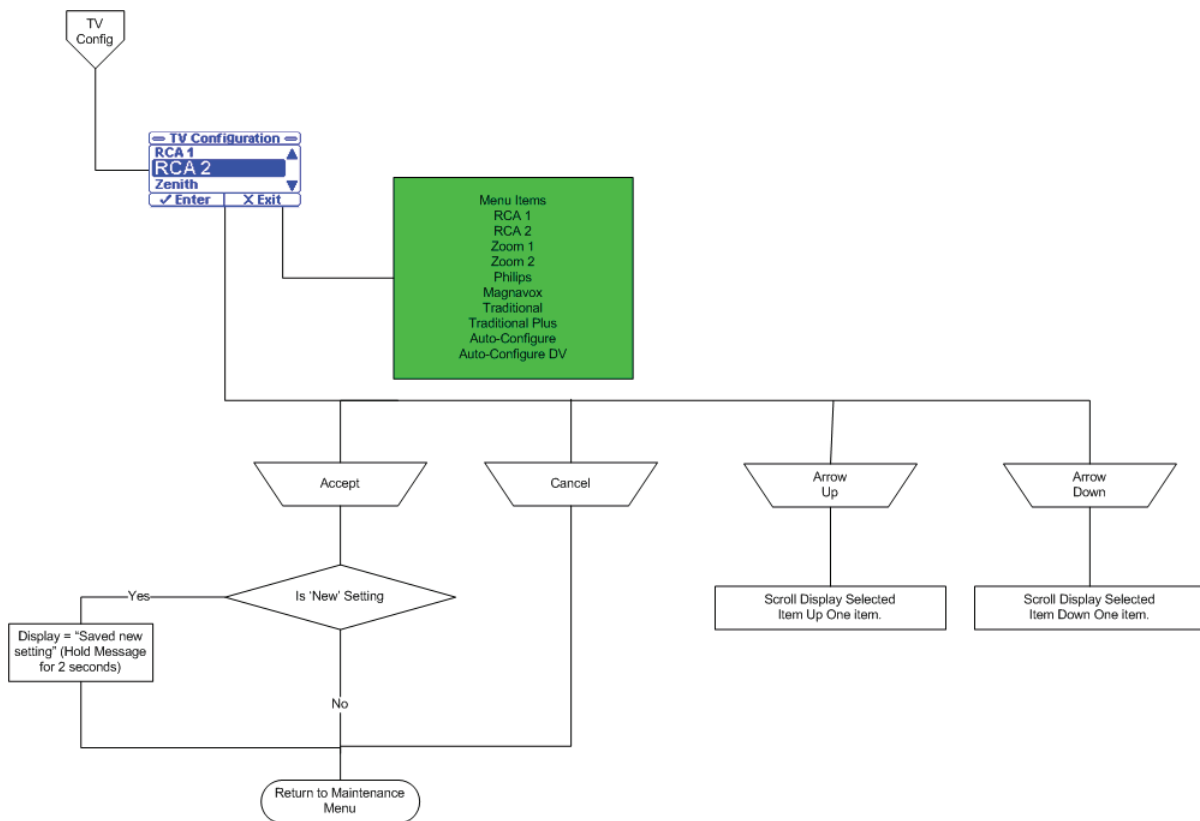
TV configuration provides the product with the information to communicate with the proper entertainment system.

To configure the system:

1. In the Maintenance Menu, select the TV Config. item. Press and hold the **Enter/Check** button.
2. The TV Configuration screen will display and the current TV selection will be highlighted. Use the up and down arrows to highlight the desired item.
3. Press the **Enter/Check** button to select the new setting.
4. The **Save Successful** message will display when the new setting is saved.

Note - The TV Configuration screen will reappear after two seconds and the new setting will be highlighted.

5. To continue without saving changes, press the **Exit/X** button (or let the screen remain dormant for more than 30 seconds) to return to the Maintenance Menu.



Scale information

Scale information diagnostic feature shows data from the load cells. The data includes the raw count data, the weight data in pounds, the maximums, and the minimums. The scale information and statistics are important when you try to diagnose the scale system.

To view the scale information:

1. In the Maintenance Menu, select the Scale Info item. Press and hold the **Enter/Check** button.
2. The **Scale Info** screen will display. Use the up and down arrows to navigate through the four screens (lb, counts, maximums, and minimums).

Note - Each screen will have the four load cells and the information in the format of that screen.

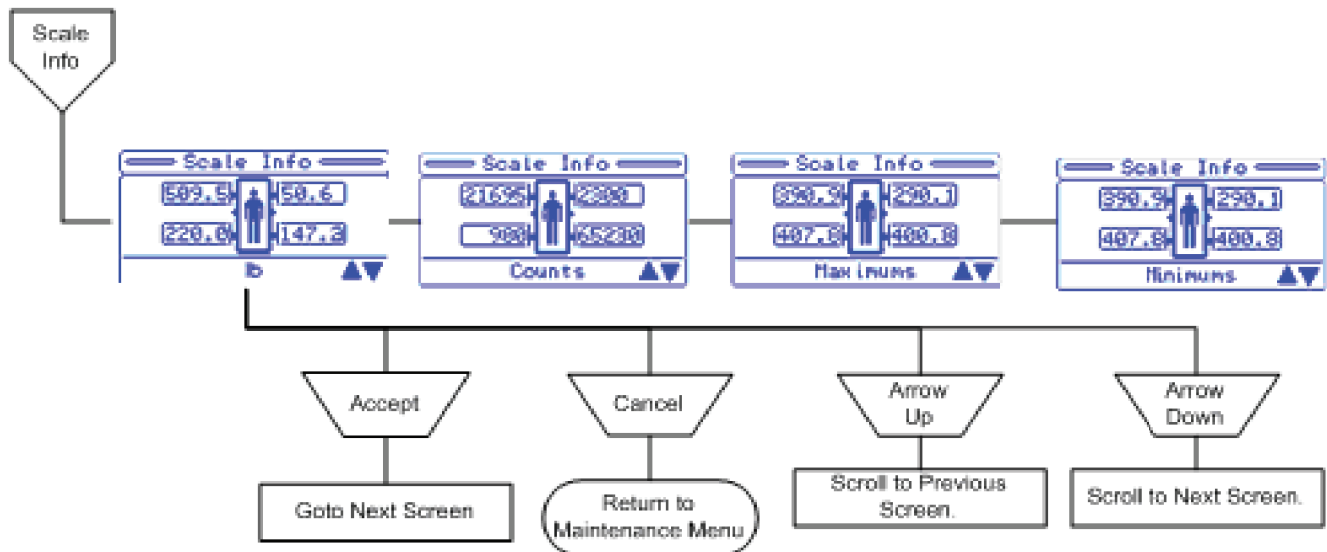
3. Press the **Exit/X** button to return to the Maintenance Menu screen.

Clear scale stats

This diagnostic feature allows you to clear the load cell statistics to remove old data. You can clear scale stats when the load cell is replaced or the system has been re-calibrated. You can clear the scale statistics (maximums and minimums) using this feature.

1. In the Maintenance Menu, select the **Clear Scale Stats** item. Press and hold the **Enter/Check** button.
2. The **Clear Scale Statistics?** message will display. Press and hold the **Enter/Check** button to clear the stats.
3. The **Statistics Cleared** message will display when the stats are cleared.
4. The Maintenance Menu screen will reappear after two seconds and the new setting will be highlighted.

Note - This operation clears the maximums and minimums for each load cell.



Error log

This feature allows you to view the Error Log. The Error Log provides information about the error system and any errors logged during product use.

To view the Error Log:

1. In the Maintenance Menu, select the Error Log item. Press the **Enter/Check** button.
2. The Error Log screen will display with the most recent error at the top.
3. Use the up and down arrows to view any errors not shown on the screen.

4. Press the **Exit/X** button to return to the Maintenance Menu screen.

Note - If the screen remains dormant for more than 30 seconds, you will be returned to the Maintenance Menu screen.

Clear errors

To clear the Error Log:

1. In the Maintenance Menu, select the Clear Errors item. Press and hold **Enter/Check** button.
2. The **Clear Error Log?** message will display.
3. To return to the Maintenance Menu screen, press Exit.
4. To clear the Error Log, press Enter. The **Error Log Cleared** message will display and you will be returned to the Maintenance Menu screen.

Scale units

This feature allows you to lock and unlock the unit of weight measurement and select the default scale units (lb or kg). When you select the Scale Units item, the current unit of measure will be locked and displayed. Press **Cancel/Exit** to return to the Maintenance Menu screen. The default setting is unlocked.

To lock and unlock the Scale Units:

1. In the Maintenance Menu, select the Scale Units item. Press and hold the **Enter/Check** button.
2. The Scale Units screen will display (Figure 2) with the highlighted item as the current state.

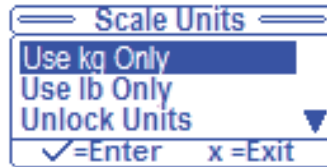


Figure 2 – Scale Units: current state

3. Use the up and down arrows to highlight the desired units and identify if you want them locked or unlocked.
4. Press and hold the **Enter/Check** button to select and save the new state.
5. The **Save Successful** message will display.
6. The Scale Units screen will reappear after two seconds with the new setting highlighted.
7. To return to the Maintenance Menu screen without saving the new state, press the **Exit/X** button.

About product

The display will indicate the current bed configuration including the bed type, bed options, serial number, and the software versions for all software targets connected on the internal CAN network.

To view this information:

1. In the Maintenance Menu, select the About item. Press and hold the **Enter/Check** button.
2. The About screen will display.
3. Use the up and down arrows to scroll through the information if it does not fit on one screen.
4. Press the **Exit/X** button to return to the Maintenance Menu screen.
5. The Type information should indicate, depending on the options: **Zoom**, **Scale**, **Bed Exit** (if Multizone, **Zone Control** will be printed under the **Bed Exit** text), and **Awareness**.

Connectivity menu (iBed Wireless option only)

This feature allows you to view the iBed Wireless product information including Connectivity Status, Signal Strength, IP and MAC addresses, Locator ID and its Connectivity Status, and Battery Status.

To view this information:

1. From the Maintenance Menu, select the Connectivity Info item. Press and hold the **Enter/Check** button.
2. The Connectivity Information screen will display.
3. Use the up and down arrows to scroll through the information if it does not fit on one screen.
4. Press the **Exit/X** button to return to the Maintenance Menu.

WiFi Module Status possible states:

- Trying to connect
- Connected
- Not connected

WiFi Signal Strength possible states:

- None
- Low
- Good
- Excellent

iBed Locator Status possible states:

- Connected
- Mobile
- Trying to connect
- Connection time out

iBed Locator Battery possible states:

- Low battery
- Good

The Connectivity Info menu will only display after the Wireless option on the product in the Bed Config. menu is enabled.

The WiFi Module Info and iBed Locator Info text fields shall always be printed in the Connectivity Menu.

For the WiFi Module Info section, after the Wireless heartbeat is detected, the Status, Signal Strength, IP Address, MAC Address, and Software fields will display. If the Wireless heartbeat is not detected, the WiFi Module Info section shall list the text Not Available.

Exit menu

This feature allows you to exit the menu back to the previous screen.

Select the Exit Menu item to exit to the Status screen.

Preventive maintenance

Remove the product from service before you perform the preventive maintenance inspection. Check all items listed during annual preventive maintenance for all Stryker Medical products. You may need to perform preventive maintenance checks more often based on your level of product usage. Service only by qualified personnel.

Note - Clean and disinfect the exterior of the support surface before inspection, if applicable.

Inspect the following items:

- _____ All fasteners are secure
- _____ Apply brake pedal and push on bed to make sure that all casters lock
- _____ LED on the footboard and head end siderails blink when brakes are released
- _____ Locking steer caster locks and unlocks
- _____ Siderails move, latch, and stow
- _____ CPR release operable
- _____ Foot prop intact and operable
- _____ IV pole option is intact and operable
- _____ Foley bag hooks intact
- _____ No cracks or splits in headboard, footboard, or siderail panels
- _____ No rips or cracks in mattress cover
- _____ All functions on head end siderails operable (includes LEDs)
- _____ All functions on footboard operable (includes LEDs)
- _____ Scale and **Chaperone** Bed Exit system calibrated
- _____ Motion interrupt switches operable
- _____ Night light operable
- _____ Power cord and plug not frayed or damaged
- _____ No cables worn or pinched
- _____ All electrical connections tight
- _____ All grounds secure to the frame
- _____ Ground impedance not more than 200 m Ω (milliohms)
- _____ Current leakage not more than 300 μ A (microamps)
- _____ Apply grease to the litter grease points
- _____ Ground chains are clean, intact, and have at least two links touching the floor
- _____ Fowler angle accuracy is 0° - 60°
- _____ Fowler holds position at 30° with patient weight
- _____ Siderail switches operable (**iBed** Awareness option)
- _____ Center light bar LED and side light LED operable (**iBed** Awareness option)
- _____ Inspect footboard control labels for signs of degradation
- _____ Inspect siderail gas spring for oil leaks
- _____ Inspect Fowler damper for oil leaks
- _____ All motions function
- _____ Nurse call option functions
- _____ Nurse call option battery functions

_____ iBed Wireless module and IR module are intact and footboard icons display (iBed Awareness option)

Product serial number:
Completed by:
Date:

Grease points

Siderail assembly (3006-400-105 (head end) and 3006-400-300 (foot end))

1. Apply Syn-Tech-NS-18191-G grease (3000-200-700) to the glide rod surfaces (A) (Figure 3).

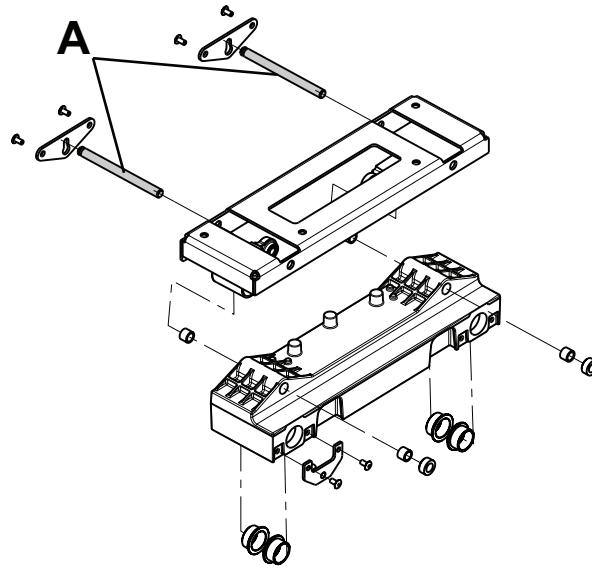


Figure 3 – Head end

Fowler drive assembly (3006-300-550)

1. Apply Mobile #28 grease to the entire length of the ball screw (B) (Figure 4).
2. If dry, apply a thin film layer of Syn-Tech-NS-18191-G grease (3000-200-700) to the outside of the brake spring (C) (Figure 4).

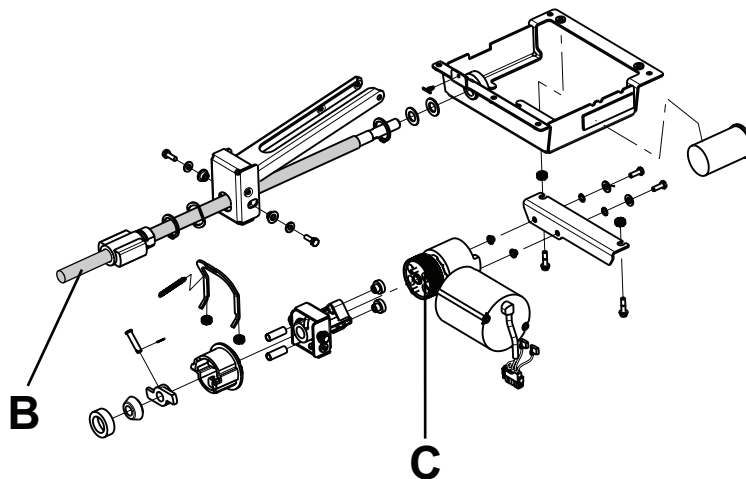


Figure 4 – Fowler drive assembly

Troubleshooting

No power to bed

Note - See the Bed circuit boards section for an outline of bed PCBs and voltage test points.

1. Verify the power cord connections at the wall and the product.
2. Check the circuit breakers under the litter and Fowler sections on the patient left side. If the circuit breaker is tripped, push to reset.
3. Check for 120 VAC at the inlet on the power supply, Pin 1 and 3.
4. Check for DC voltages on the outlets (Pins 1, 2, 3 and 4) on power supply. See *Power supply* (page 25) for voltage test points.
 - a. If voltage is present, check connector W on the CPU board and check for the same DC voltages. If okay, go to step 5.
 - b. If voltage is not present, unplug connector W on the CPU board and recheck for DC voltages at the outlet on the power supply.
 - If voltages come back, reconnect cable W to the CPU board and go to step 3.
 - 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.
 - If DC voltages come back, plug the cable connections back in until the problem comes back, isolate the problem to a component or assembly.
 - If DC voltages do not come back, replace the CPU board.
5. Verify proper operation before you return the product to service.

No bed down motion

1. Enter diagnostics (*Scale system calibration* (page 8)) and press the bed down button.
 - a. If the product does not move, make sure that the two wire connection is present on connector Y.
 - a. Test the bed down motion. If the product moves, go to step 4.
 - b. If the bed does move, re-burn the lift potentiometer limits (*Lift potentiometer burn-in procedure* (page 31)).
2. Check for 5 VDC on TP 9 (HL) and TP 7 (FL). Reference ground test point while you press the bed down button.
 - a. If 5 VDC is present, go to step 3.
 - b. If 5 VDC is not present, replace the CPU board.
3. Check for 28 VDC power on connector N (HL) and G (FL), pin 1 white and pin 3 black, of the CPU board while you press the bed up button.
 - a. If voltage is not present, replace the CPU board.
 - b. If voltage is present:
 - a. Make sure that the motors are running. If so, replace the lift couplers.
 - b. If the motors are not running, check the voltage at the motor connection.
 - c. If voltage is present at the motor, check the capacitors and motors.
4. Verify proper operation before you return the product to service.

No bed up motion

1. Enter diagnostics (*Scale system calibration* (page 8)) and press the bed up button.
 - a. If the product does not move, go to step 2.
 - b. If the product moves, re-burn the lift potentiometer limits (*Lift potentiometer burn-in procedure* (page 31)).
2. Check for 5 VDC on TP 10 (HL) and TP 8 (FL) on the CPU board. Reference ground test point while you press the bed up button.
 - a. If 5 VDC is present, go to step 3.
 - b. If 5 VDC is not present, replace the CPU board.
3. Check for 28 VDC power on connector N (HL) and G (FL), pin 1 white and pin 6 red, of the CPU board while you press the bed up button.
 - a. If voltage is not present, replace the CPU board.
 - b. If voltage is present:
 - a. Make sure that the motors are running. If so, replace the couplers.
 - b. If the motors are not running, check the voltage at the motor connection.
 - c. If voltage is present at the motor, check the capacitors and motors.
4. Verify proper operation before you return the product to service.

No Gatch down motion

1. Check for 5 VDC on TP 4 on the CPU board. Reference ground test point while you press the Fowler down button.
 - a. If 5 VDC is present, go to step 2.
 - b. If 5 VDC is not present, replace the CPU board.
2. For model 3005, check for 28 VDC on the connector GG, pin 1 white and pin 3 red, of the CPU board while you press the Fowler down button. For model 3002, check for 120 VAC on the connector GG, pin 1 white and pin 3 red, of the CPU board while you press the Fowler down button.
 - a. If voltage is not present, replace the CPU board.
 - b. If 5 VDC is present, check the capacitors and motors.
3. Verify proper operation before you return the product to service.

No Gatch up motion

1. Check for 5 VDC on TP 3 on the CPU board. Reference ground test point while you press the Fowler up button.
 - a. If 5 VDC is present, go to step 2.
 - b. If 5 VDC is not present, replace the CPU board.
2. For model 3005, check for 28 VDC on connector GG, pin 1 white and pin 2 black, of the CPU board while you press the Fowler up button. For model 3002, check for 120 VAC on connector GG, pin 1 white and pin 2 black, of the CPU board while you press the Fowler up button.
 - a. If voltage is not present, replace the CPU board.
 - b. If 5 VDC is present, check the capacitors and motors.
3. Verify proper operation before you return the product to service.

No Fowler down motion

1. Check for 5 VDC on TP 5 on the CPU board. Reference ground test point while you press the Gatch down button.
 - a. If 5 VDC is present, go to step 2.
 - b. If 5 VDC is not present, replace the CPU board.
2. For model 3005, check for 28 VDC on connector CC, pin 2 red and pin 3 white, of the CPU board while you press the Gatch down button. For model 3002, check for 120 VAC on connector CC, pin 2 red and pin 3 white, of the CPU board while you press the Gatch down button.
 - a. If voltage is not present, replace the CPU board.
 - b. If 5 VDC is present, check the capacitors and motors.
3. Verify proper operation before you return the product to service.

No Fowler up motion

1. Check for 5 VDC on TP 6 on the CPU board. Reference ground test point while you press the Gatch up button.
 - a. If 5 VDC is present, go to step 2.
 - b. If 5 VDC is not present, replace the CPU board.
2. For model 3005, check for 28 VDC on connector CC, pin 1 black and pin 3 white, of the CPU board while you press the Gatch up button. For model 3002, check for 120 VAC on connector CC, pin 1 black and pin 3 white, of the CPU board while you press the Gatch up button.
 - a. If voltage is not present, replace the CPU board.
 - b. If 5 VDC is present, check the capacitors and motors.
3. Verify proper operation before you return the product to service.

iBed Wireless option has no connection to the wireless network

1. Unplug the power cord from the wall outlet. Plug the power cord back into the wall outlet and wait three minutes.
 - a. If the footboard wireless icon shows connections to the wireless network, return the product to service.
 - b. If the footboard wireless icon does not show connection, go to step 2.
2. Look at the head end of the IR module to check the status of the wireless LED.
 - a. If the LED is solid, troubleshoot the footboard by swapping it with a working footboard.
 - b. If the LED is flashing at a one second rate, move the product to an area with better wireless coverage to see if it will connect to the wireless network.
 - c. If the LED is flashing fast:
 - a. Move the product to an area with better wireless coverage to see if it will connect to the wireless network.
 - b. Work with IT to troubleshoot the wireless network by using the Stryker server application. See the **iBed Wireless Server Installation/Configuration Manual**.
3. Verify proper operation before you return the product to service.

iBed Wireless option has no connection to the iBed Locator

1. Move the product to another **iBed** Locator to see if it connects.
 - a. If the product connects, replace the batteries in the original **iBed** Locator. See the **iBed** Locator Instructions for Use and Installation Manual.

- b. If the product does not connect, look at the head end of the IR module to check the status of the **iBed** Locator connection LED.
 - a. If the **iBed** Locator connection LED is flashing, move the product to another Locator to see if it connects.
 - b. If the **iBed** Locator connection LED is not lit, check the IR module cable connection B in the product.
2. Verify proper operation before you return the product to service.

iBed system error codes error handling

- The error handling system provides a mechanism for capturing errors known to the product and providing feedback to the operator through the logged errors or message errors.
- All logged errors generate a generic blinking error message that is displayed on the status screen in the lower area: **Error XXX Call Service**, where XXX is the error code.
- Errors will only be logged if the error log does not already contain the error.
- In the event that multiple errors are displayed on the status screen, the error code is used to identify the priority. The lowest code has the highest priority.
- All logged errors and message errors are persistent until the power is cycled or the condition is fixed.
- The details for each logged error and error message are detailed in the table below.

Logged errors

Error code	Name	Description	Type	Affected systems
000	Not used	High priority exceptions		
090	Brake switch error	This error is checked while the product is ON. If one of the two brake wires is disconnected or shorted to 5 V, then the exception message is shown immediately or when there is a change in the brake state. This error will persist on the display until both the power is cycled and the error condition has been fixed.	Logged	Brake
100	Not used	Highest priority errors		
102	StuckSafetyRelay	This error is checked while the product is ON. If the safety relay signal is ON and there is no button pressed on the product, set this error after one minute. Note: This error should not be checked when in auto-cycle mode.	Logged	Motion
103	InputTimer	If any footboard motion or siderail/pendant input is ON for five minutes, you will see an exception message. Note: This error should not be checked when in auto-cycle mode.	Logged	Motion
200	Not used	Scale system		
201	HL-load cell	Patient head left load cell. Under/over range.	Logged	Scale, Bed Exit, iBed Awareness
202	HR-load cell	Patient head right load cell. Under/over range.	Logged	Scale, Bed Exit, iBed Awareness
203	FL-load cell	Patient foot left load cell. Under/over range.	Logged	Scale, Bed Exit, iBed Awareness

204	FR-load cell	Patient foot right load cell. Under/over range.	Logged	Scale, Bed Exit, iBed Awareness
206	CS5533Fatal	Non-recoverable communication error. CS5533 Fatal occurs when the CPU fails to communicate to the external ADC for the load cells and cannot recover.	Logged	Scale, Bed Exit, iBed Awareness
207	ZeroFail	Zero Fail error occurs when the system cannot provide a stable zero value for three consecutive attempts at zeroing the product.	Logged	Scale, Bed Exit, iBed Awareness
300	Not used	Siderails		
301	HLSRSwitch	Head left siderail switch general.	Logged	iBed Awareness
302	HRSRSwitch	Head right siderail switch general.	Logged	iBed Awareness
303	FLSRSwitch	Foot left siderail switch general.	Logged	iBed Awareness
304	FRSRSwitch	Foot right siderail switch general.	Logged	iBed Awareness
400	Not used	Memory system		
401	EEPROM	EEPROM memory corruption. Any detected non-recoverable memory failure will produce an error and localize the error to a section of memory.	Logged	
500	Not used	Motion system		
600	Not used	Wireless connectivity system		Not applicable
601	Incompatible footboard (*See Note)	This error occurs when a footboard placed on the bed is not 3006-501-900 rev A or later. This error will flash in the lower section of the status screen and will not prevent any product functionality from occurring.	Logged	
602	Network connectivity error (*See Note)	Wireless not on the network. During startup, the bed may display this error if authentication is delayed. The message will go away after the bed authenticates on the wireless network.	Logged	
603	IP conflict	Wireless not on the network.	Logged	
604	IP renew	Wireless not on the network.	Logged	
605	WiFi adapter	Wireless not on the network.	Logged	
606	Schema not found	Schema file not found.	Logged	
607	Schema read	Schema file found, but there is a problem reading it.	Logged	
608	Schema property mismatch	Property is part of the schema but not available with wireless.	Logged	
700	Not used	CAN communication		Not applicable
701	CAN communication failed	After three attempts to communicate to the IR and wireless, SDO transaction is deemed a failure and this error is set.	Logged	

Note - Incompatible footboard:

If a non-wireless footboard is installed on a wireless product:

- The product will beep for six seconds on every power up.
- The footboard will display Error 601 (Footboard incompatible).
- You cannot access the maintenance menu by holding down the **Enter** button on power up. After you power up the product and the Stryker splash screen appears, press and hold the **Enter** button.
- When you are in the maintenance menu, double item selections will appear. They cannot be selected.

To resolve the above issues, install the original wireless footboard.

Note - Network connectivity error:

Call Stryker Network Administrator or Stryker Service if **602 Call Service** error message persists for more than five minutes.

Error messages

Error code	Name	Description	Type	Affected systems
800	Not used	Non-logged errors		
801	NurseCallBattery	When the nurse call battery falls below the 5v threshold, N/C Battery Low will display in the lower status screen window.	Non-logged	Not applicable
803	FowlerCalibration	When the Fowler calibration has not been completed then, when in normal mode, the message: Fowler Calib. Err will display in the lower status screen window.	Non-logged	Not applicable
804	ScaleCalibration	Scale calibration error occurs when the product is in normal operation mode and the scale system is present on the product but the scale system has not been calibrated. Scale Calib. Err will display in the lower status screen window.	Non-logged	Not applicable

Note - The 900 error codes are not logged.

Error code	Name	Description	Type	Affected systems
900	Not used	Message errors When the time out for the message error has expired, the display should return to the status screen unless otherwise noted or a higher priority screen is being handled.		
901	ScaleSystem	When turning on the Scale system, use the scale button, if a logged error is present that affects the scale system (see affected systems column), the message: Function Disabled - Call Service will flash.	System	Not applicable

902	BedExitSystem	<p>When turning on the Bed Exit system, if a logged error is present that affects the scale or bed exit systems (see affected systems column), the message: Function Disabled - Call Service will flash.</p> <p>Bed Exit will alarm if Bed Exit is armed and a 200 level exception occurs. The message: Turn Off Bed Exit - Call Service will be displayed. When the system is disarmed, the display will return to the status screen. The Bed Exit alarm has the highest priority. If the Bed Exit alarm is tripped due to the error condition, this message will not be seen.</p>	Message	Not applicable
903	LBSSystem	<p>When you turn on the iBed Awareness system, if a logged error is present that affects the iBed Awareness system (see affected systems column), the message: Function Disabled - Call Service will flash.</p> <p>iBed Awareness will alarm if iBed Awareness is ON and a 200 or 300 level logged error occurs. The message: Turn Off Awareness - Call Service will display. When the system is turned OFF, the display will return to the status screen.</p>	Message	Not applicable
904	UnknownBedType	<p>Unknown bed type occurs when the configuration switch bank does not contain a value that is recognized by the software. This will cause the product to stop all function and produce a message screen indicating the error number and the message: Unknown Bed Type - Call Service.</p>	Message	Not applicable
905	CANConnectivity	<p>If the footboard does not see the main board heart beat within 10 seconds, the message: Communication Failed - Call Service will display.</p>	Message	Not applicable
906	ScaleFeatures	<p>A message will be displayed when you try to activate any scale function (Gain/Loss, Change Equipment, etc.) that is disabled due to a logged scale exception (200 series). The message: Function Disabled - Call Service at 0.8 Hz (70% Duty Cycle) will display for four seconds.</p>	Message	Not applicable
907	ZeroAttemptFailed	<p>The Unable to Zero - Try Again message will flash when you try to zero the bed and the scale system cannot stabilize the weight in time.</p> <p>Note - This applies to any use of the zeroing feature, even if it is within another scale function.</p> <p>If a zero attempt has failed, the scale system will be suspended until a successful zero is saved or the power is cycled. If the scale button is pressed, the message: Function Not Available - Zero Bed will flash.</p>	Message	Not applicable

Cable location	Voltage	Positive lead	Negative lead	Description
W	+28 VDC	Pin 3 White	Pin 1 or 2 Green/Black	+28 VDC from power supply
W	+28 VDC	Pin 4 Red	Pin 1 or 2 Green/Black	+28 VDC from power supply
J	+5 VDC	Pin 4 Blue	Pin 2 White	+5 VDC for head lift potentiometer
J	0-5 VDC	Pin 3 Black	Pin 2 White	Head lift potentiometer wiper
C	+5 VDC	Pin 1 Green	Pin 2 Black	+5 VDC for foot lift potentiometer
C	0-5 VDC	Pin 3 White	Pin 2 Black	Foot lift potentiometer wiper
GG	0 VDC without switch 28 VDC with switch	Pin 2 Red	Pin 3 Purple	Gatch up
GG	0 VDC without switch 28 VDC with switch	Pin 3 Purple	Pin 2 Red	Gatch down
CC	0 VDC without switch 28 VDC with switch	Pin 1 White	Pin 2 Black	Fowler up
CC	0 VDC without switch 28 VDC with switch	Pin 2 Black	Pin 1 White	Fowler down
N	0 VDC without switch 28 VDC with switch	Pin 1 White	Pin 2 Red	Head lift down
N	0 VDC without switch 28 VDC with switch	Pin 2 Red	Pin 1 White	Head lift up
G	0 VDC without switch 28 VDC with switch	Pin 1 Black	Pin 2 White	Foot lift down
G	0 VDC without switch 28 VDC with switch	Pin 2 White	Pin 1 Black	Foot lift up

Software configuration

1. Locate switch bank 4, labeled SB4 on the CPU board (Figure 5).

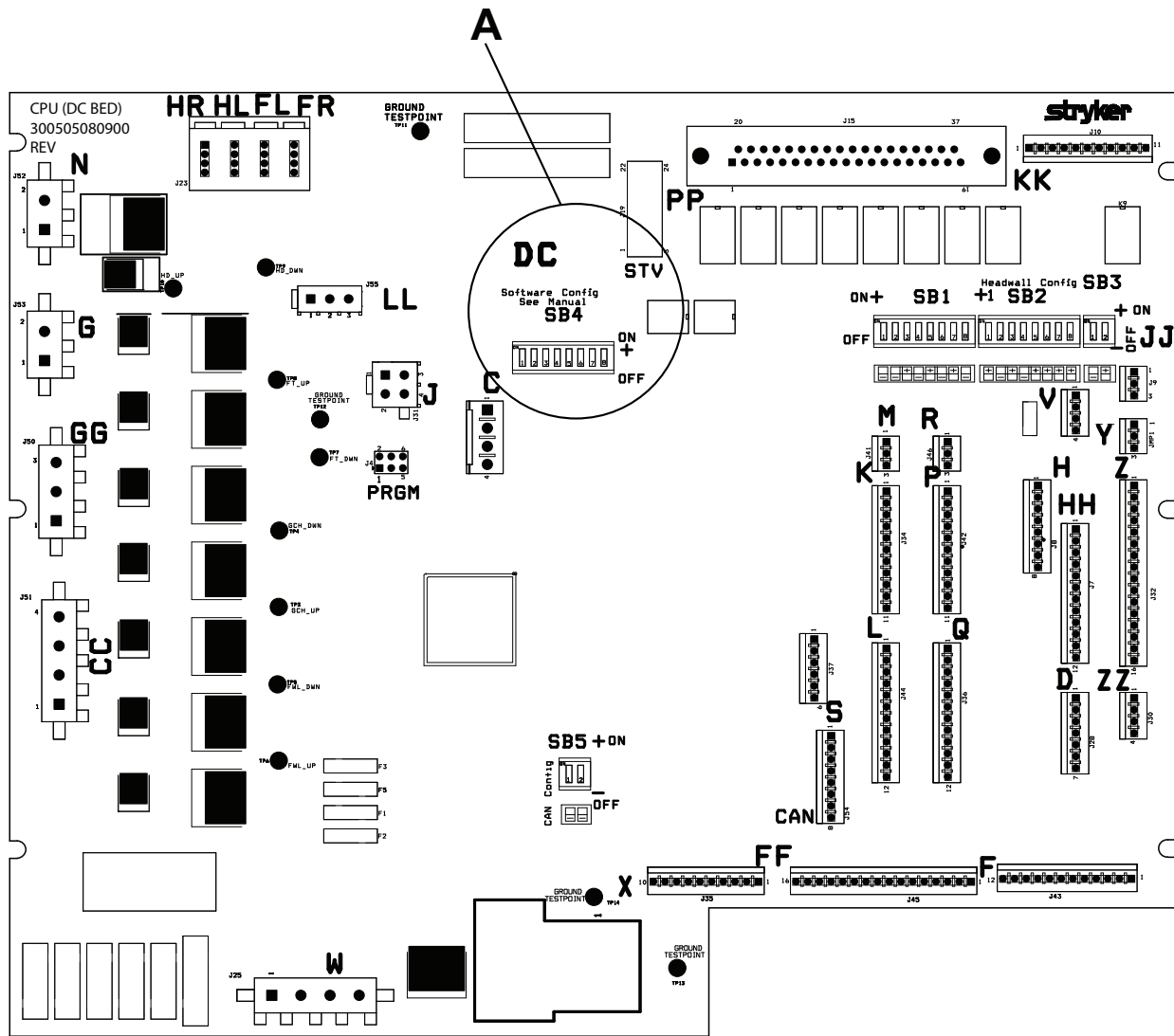


Figure 5 – CPU board

2. Move switch 1 to the ON position (Figure 6).

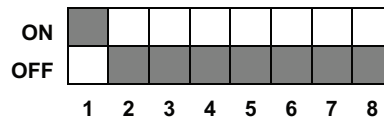
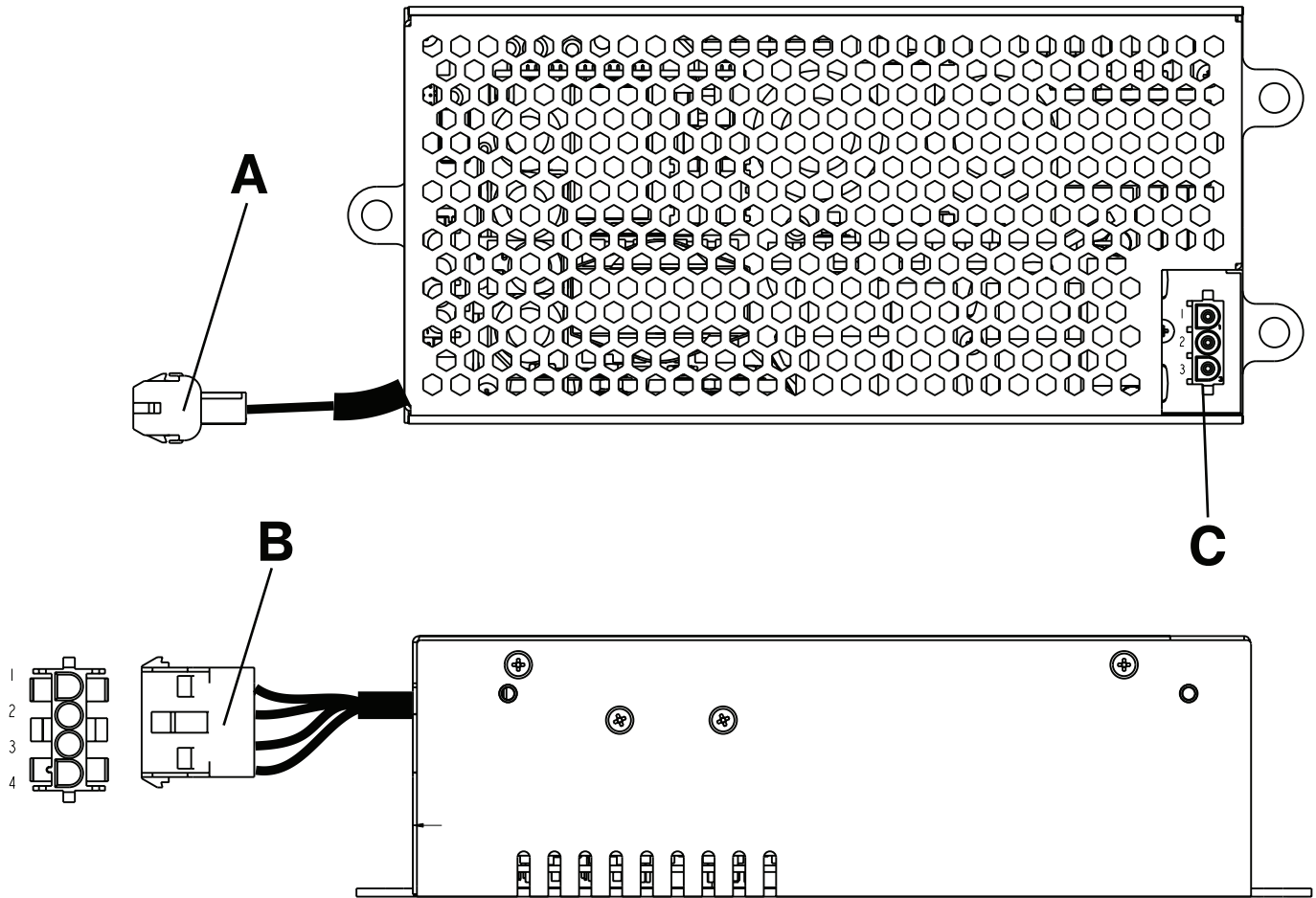


Figure 6 – General setting, S3® Bed

3. To make sure that the switch settings are correct, check the footboard LCD displays.

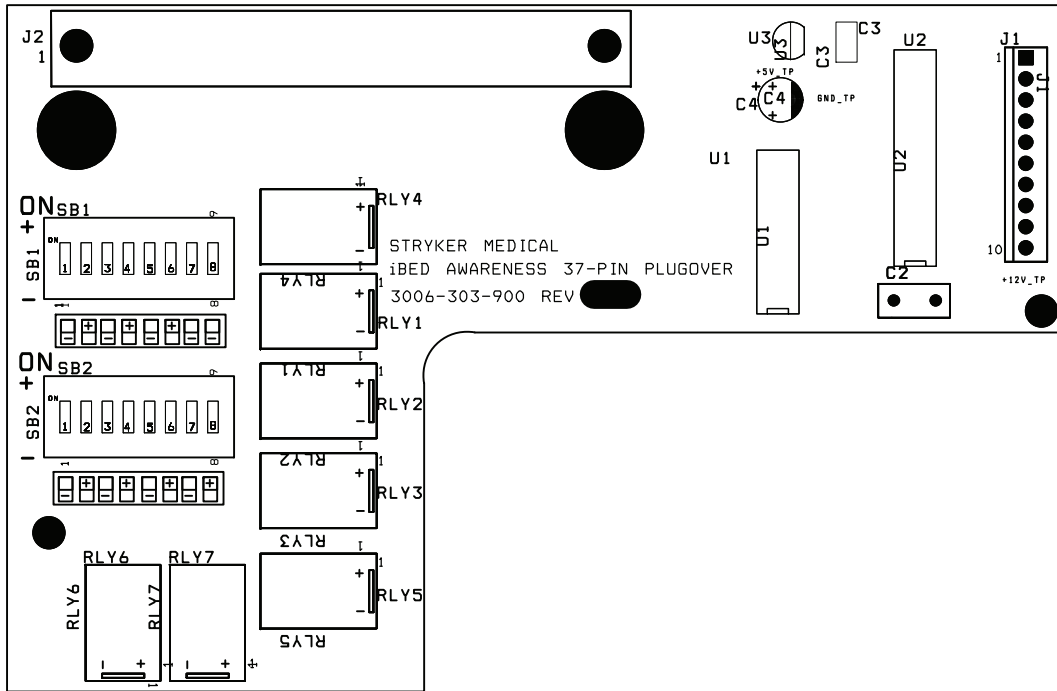
Power supply

3005-300-157 Rev E (Reference only)



	Connector location	Voltage	Positive lead	Negative lead
A	Outlet	28 VDC	Pin 1	Pin 3 or 4
B	Outlet	28 VDC	Pin 2	Pin 3 or 4
C	Inlet	120 VAC	Pin 3	Pin 1

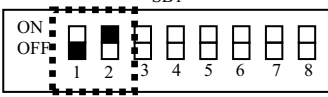
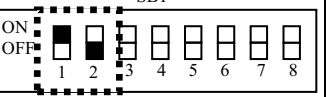
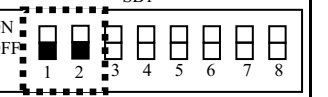
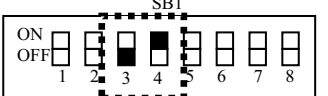
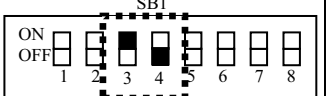

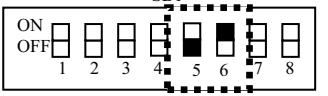
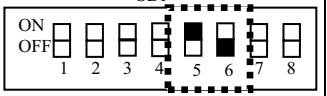
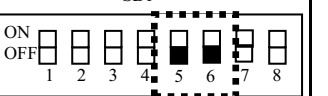
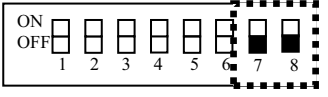
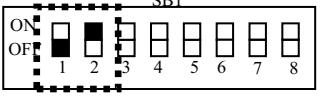
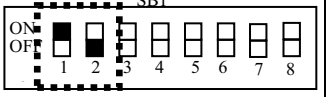
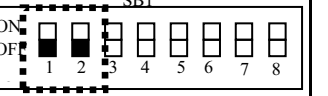
iBed enhanced nurse call option, 37-pin plugover board - 3006-303-900



iBed enhanced nurse call option, dip-switch settings (default)

Reference only: SK-31628 Rev C

Headwall Function	Default Position	Alternate Position	Alternate Position
Side Rail Alert (SB2):SW3, SW4 (Select N.O. N.C. or OFF)	<p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	<p>N.C. <input type="checkbox"/></p> <p>(Check Here)</p>	<p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>
Fowler 30 Alert (SB2): SW5, SW6 (Select N.O. N.C. or OFF)	<p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	<p>N.C. <input type="checkbox"/></p> <p>(Check Here)</p>	<p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>
Low Height Alert (SB2): SW7, SW8 (Select N.O. N.C. or OFF)	<p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	<p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	<p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>

Headwall Function	Default Position	Alternate Position	Alternate Position
I Bed ON (SB1): SW1, SW2 (Select N.O. N.C. or OFF)	 <p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>N.C. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>
Brakes ON (SB1): SW3, SW4 (Select N.O. N.C. or OFF)	 <p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>N.C. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>
Bed Exit ON (SB1): SW5, SW6 (Select N.O. N.C. or OFF)	 <p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>N.C. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>
Not Used (SB1): SW7, SW8 (Do Not Select)			
I Bed Alert (SB2): SW1, SW2 (Select N.O. N.C. or OFF)	 <p>N.O. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>N.C. <input type="checkbox"/></p> <p>(Check Here)</p>	 <p>OFF <input type="checkbox"/></p> <p>(Check Here)</p>

Service

Protecting against electrostatic discharge (ESD)

CAUTION

- Always use ESD protective equipment before you open antistatic bags and service electronic parts.
 - Do not place unprotected circuit boards on the floor.
-

Note - Always ship the circuit boards back to Stryker. Use the antistatic bag that the new board was originally shipped in.

The electronic circuits in the product are completely protected from static electricity damage when factory assembled. Always use adequate static protection when you service the electronic systems of the product. All service personnel must use static protection whenever they touch wires.

Sample antistatic protection equipment includes:

- Antistatic wrist strap
- Grounding plug
- Test lead with a banana plug on one end and an alligator clip on the other end

Make sure that you follow the ESD manufacturer's instructions for appropriate protection against static discharge.

Brake pedal replacement, left or right

Tools required:

- 5/16" hex wrench
- Bungee cords
- Loctite® 242
- Hammer
- Punch
- #2 Phillips screwdriver
- Torque wrench (ft-lb)

Procedure:

1. Raise the product to the highest height position.
2. Remove the two uni-pan cover clips (A) that secure the uni-pans together (Figure 7).

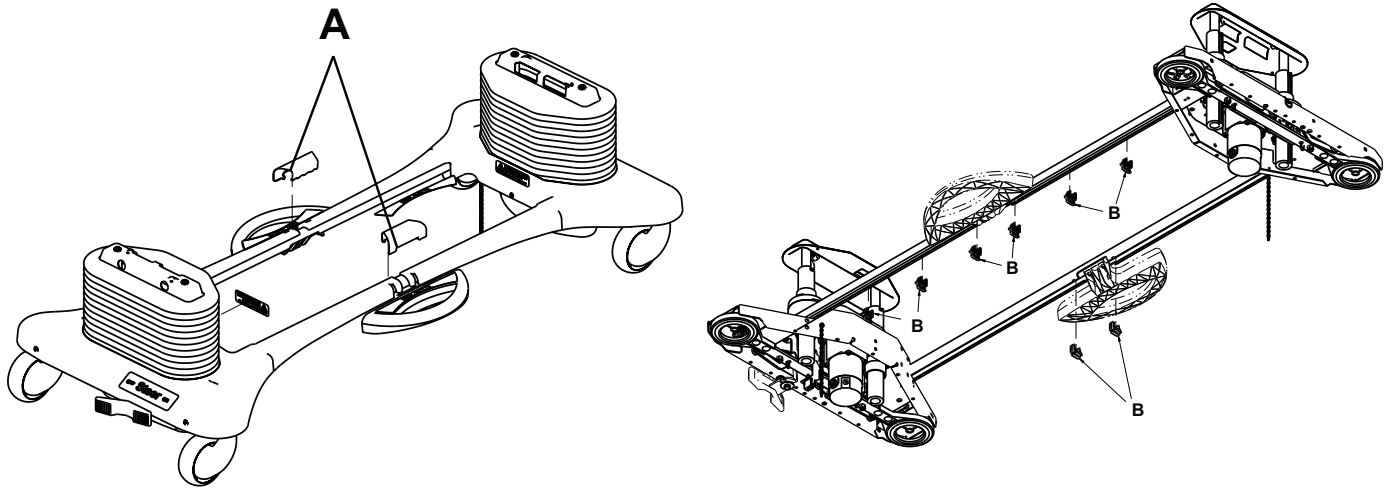


Figure 7 – Uni-pan removal

3. Unplug the power cord from the wall outlet.
4. Using a #2 Phillips screwdriver, remove the three screws that secure the head end and the foot end upper lift covers.
5. Using bungee cords, hold the lift covers out of the way.
6. Remove the brake shaft pedal bearings (B) on the side of the pedal you want to replace.
7. Using a hammer and punch, remove the roll pins that secure the brake shaft crank to the brake rod on both the head end and foot end.
8. Push the brake rod through the frame until the brake pedal is clear. Remove and discard the brake pedal.
9. Using a 5/16" hex wrench, remove the two bolts that secure the brake pedal to the brake rod on the side that you want to replace. Save the bolts.
10. Reverse steps to reinstall.
 - a. Apply Loctite® 242 when you reinstall the bolts.
 - b. Using a torque wrench, torque the two bolts (removed in step 9) to 25 ft-lb.
11. Verify proper operation before you return the product to service.

Lift motor and capacitor removal and replacement

Tools required:

- 3/8" socket
- 5/16" socket
- 7/16" combination wrench
- Wire cutters
- Floor jack option
- 2 x 4 (or equivalent) option

Procedure:

Note - If you need more space to work under the base frame, place a 2 x 4 across the base frame rails and use a floor jack to raise the base frame off of the floor.

1. Unplug the power cord from the wall outlet.
2. Using a 5/16" socket, remove the five bolts that secure the lower lift cover to the base. Remove the cover and set aside.

3. Disconnect the two connectors (A) at the motor capacitor (Figure 8).
4. Disconnect the white connector (B) from the power cord.
5. Using wire cutters, cut the cable ties that secure the capacitor (C) to the base. Remove and discard the capacitor.
6. Using a 3/8" socket, remove the four screws (D) that secure the motor assembly to the lift housing. Remove and discard the motor assembly.

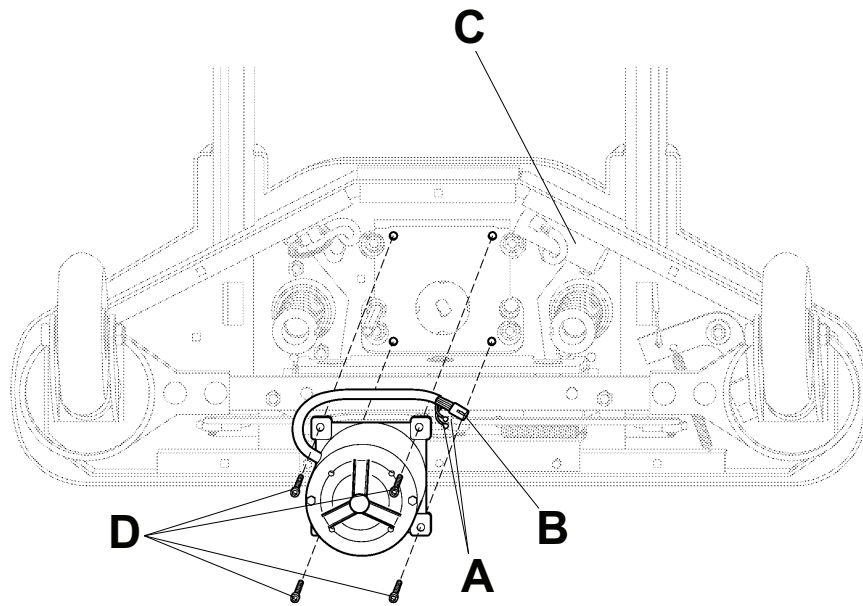


Figure 8 – Foot end view

7. Reverse steps to install the new motor.

Note

- To align the new motor with the coupler, you may need to turn the drive shaft. Use a 7/16" combination wrench to turn the motor drive shaft.
- The procedure for lift motor removal and replacement is the same for both ends of the bed.

8. Verify proper operation before you return the product to service.

Lift potentiometer adjustment and replacement

Tools required:

- #2 Phillips screwdriver
- Bungee cord (or equivalent)
- 5/16" socket
- 3/8" combination wrench
- Wire cutters
- 1/4" drive ratchet

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. Using a 5/16" socket and a 1/4" drive ratchet, remove the five bolts that secure the lower lift cover to the base. Remove the lower lift cover.
4. Using a #2 Phillips screwdriver, remove the three screws that secure the upper lift cover to the base.

5. Using a bungee cord (or equivalent), secure the upper lift cover to access the potentiometer. Secure in the up position.
6. Remove the uni-pan cover clips.
7. Using wire cutters, cut the cable tie (A) that secures the potentiometer cable to the coil cord (Figure 9).
8. Unplug the potentiometer cable from the sensor coil cord. If you replace a potentiometer at the head end of the product, unplug the cables attached to the brake sensor switch.
9. Using a 5/16" socket and a 1/4" drive ratchet, remove the grounding screw on the sensor coil cord.
10. Pull the coil cord up through the housing.
11. Pull the potentiometer cable up through the housing.
12. Using a 3/8" combination wrench, remove the two bolts (B) that secure the potentiometer housing (C) to the lift housing.

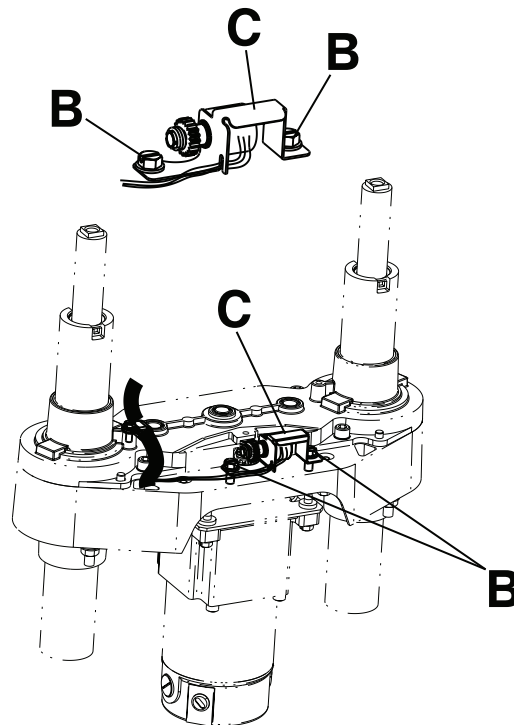


Figure 9 – Lift potentiometer housing assembly

13. Lift up and out on the potentiometer housing assembly to remove it from the lift housing.
 14. Before you install the new potentiometer, turn the potentiometer clockwise until it stops. Turn the new potentiometer counterclockwise two full (360°) revolutions to allow a “window” position for proper upper and lower limits.
 15. Reverse steps 3-12 to install the new potentiometer and potentiometer housing assembly.
 16. After you install the new potentiometer, follow the *Lift potentiometer burn-in procedure* (page 31).
- Note** - Make sure that you maintain the potentiometer position while you install.
17. Verify proper operation before you return the product to service.

Lift potentiometer burn-in procedure

WARNING - Always make sure that no patient is on the product while you perform this procedure.

Procedure:

1. Unplug the power cord from the wall outlet.

2. On the footboard control panel, hold down the Bed Motion Lock, Gatch Lock, and Reverse Trend buttons at the same time.
 - a. While you hold down the buttons, plug the power cord into the wall outlet.
 - b. Release the footboard button.
 - c. Scroll down to the **Burn-in** menu item and press enter.
 - d. Then select the **Burn-in Height** item.
 - e. Based on the type of product, a message will display. This message will indicate whether to run the product all the way down or all the way up.
 - f. Release all buttons.
3. Push the product down (↓) key on the footboard control panel. Run both ends of the product to a hard stop at the lowest height position.
4. Hold down the Bed Motion Lock button until the light flashes.
5. Release the button and unplug the power cord from the wall outlet.
6. Plug the power cord into a wall outlet. Raise the product to the highest height position, then to the lowest height position to verify the product limits.
7. Make sure that the distance between the floor and the top of the litter seat section (without a mattress) should be 16-16 3/8 in. with the litter at the lowest height and 29 1/4-29 7/8 in. with the litter at the highest height.

Note

- These values are for products equipped with 6 in. casters.
 - After you set limits, inspect the head and foot end potentiometers for deformation. The bracket should not be bent and the potentiometer gear should make contact with the worm gear.
8. Verify proper operation before you return the product to service.

Lift motor isolation plate replacement

Tools required:

- 5/16" socket or nut driver
- 3/8" socket with 6" extension
- 7/16" open end wrench

WARNING - Always make sure that no patient is on the product while you perform this procedure.

Procedure:

1. Unplug the power cord from the wall outlet.
2. Using a 5/16" socket or nut driver, remove the five bolts that secure the lower lift cover to the base. Remove the cover and set aside.
3. Using a 3/8" socket with a 6" extension, remove the four bolts (A) that secure the motor isolation plate (E) to the lift housing (Figure 10). Lower the isolation plate to the floor.
4. Remove the motor coupler (B) and bushings (C).
5. Using a 3/8" socket, remove the bolts and washers (D) from the motor. Remove the isolation plate (E).

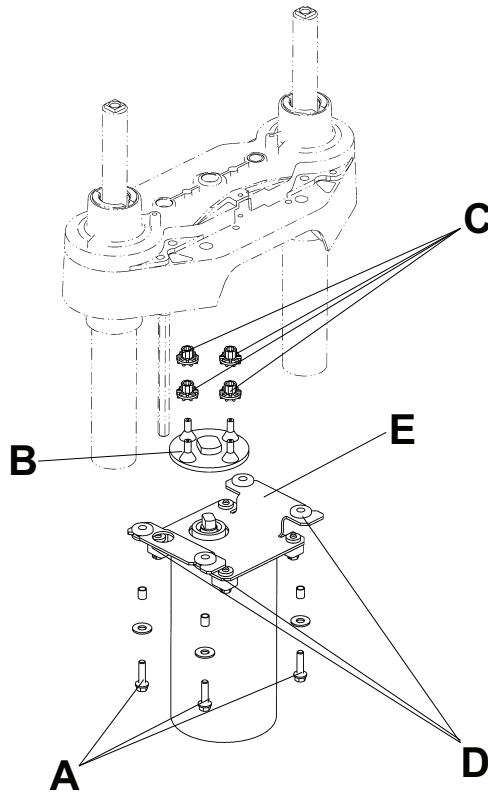


Figure 10 – Replace isolation plate

- Reverse steps to install the new lift motor isolation plate.

Note - When you reinstall the lift motor, turn the drive shaft on the motor coupler to align with the coupler. Use a 7/16" open end wrench to turn the motor drive shaft.

- Verify proper operation before you return the product to service.

Lift motor coupler replacement

Tools required:

- 5/16" socket
- 3/8" socket with 6" extension
- 1/4" drive ratchet
- 3/8" drive ratchet
- 3/8" drive extension
- Floor jack option
- 2 x 4 (or equivalent) option

WARNING - Always make sure that no patient is on the product while you perform this procedure.

Procedure:

- Unplug the power cord from the wall outlet.
- Using a 5/16" socket and a 1/4" drive ratchet, remove the five bolts that secure the lower lift cover to the base. Remove the lower lift cover and set aside.
- Using a 3/8" socket with a 6" extension, remove the four bolts (A) that secure the isolation plate (B) to the lift housing (Figure 11). Lower the lift motor and isolation plate assembly to allow access to the coupler (C).

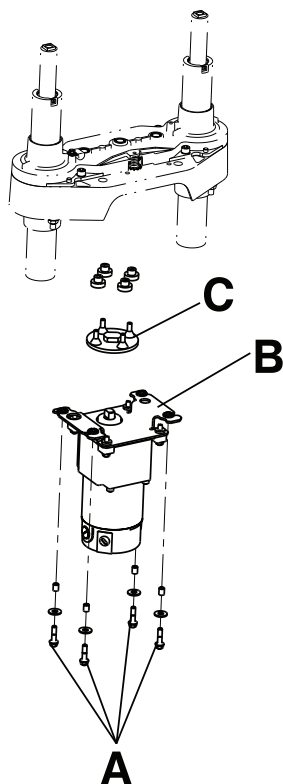


Figure 11 – Lift motor components

4. Remove the motor coupler from the motor assembly.
5. Reverse steps to install the new motor coupler and bushings.
6. Verify proper operation before you return the product to service.

Note - If you need more space to work under the base frame, place a 2 x 4 across the base frame rails and use a floor jack to raise the base frame off of the floor.

Power and sensor coil cord replacement

Tools required:

- #2 Phillips screwdriver
- Wire cutters
- 5/16" socket
- Bungee cords (or equivalent)
- 5/16" nut driver
- 1/4" drive ratchet
- Floor jack option
- 2 x 4 (or equivalent) option

WARNING - Always make sure that no patient is on the product while you perform this procedure.

CAUTION - Always secure the cable clamps to the cords at the first coil on the top and bottom to make sure that there is not too much slack in the cords between the top of the lift housing assembly and the bottom of the header crossbar when you replace the power and sensor coil cords. Make sure that the clamps are fastened at exactly the correct angle. Arrange the cords exactly as shown, with the left in front of the right. If not done correctly, damage to the cords may result.

Procedure:

1. Unplug the power cord from the wall outlet.
2. Using a 5/16" socket or nut driver and a 1/4" drive ratchet, remove the five bolts that secure the lower lift cover to the base. Remove the cover.
3. Using a #2 Phillips screwdriver, remove the three screws that secure the upper lift cover to the base. You can hold the covers out of the way by using bungee cords (or equivalent) to secure the covers to the litter top.
4. Using wire cutters, cut the cable ties that secure 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 or nut driver and a 1/4" drive ratchet, remove the two screws (A) that secure the cable clamps to the top of the lift housing (Figure 12).
8. Using a 5/16" socket or nut driver and a 1/4" drive ratchet, remove the two screws (B) that secure the cable clamps to the underside of the header crossbar assembly (Figure 12).

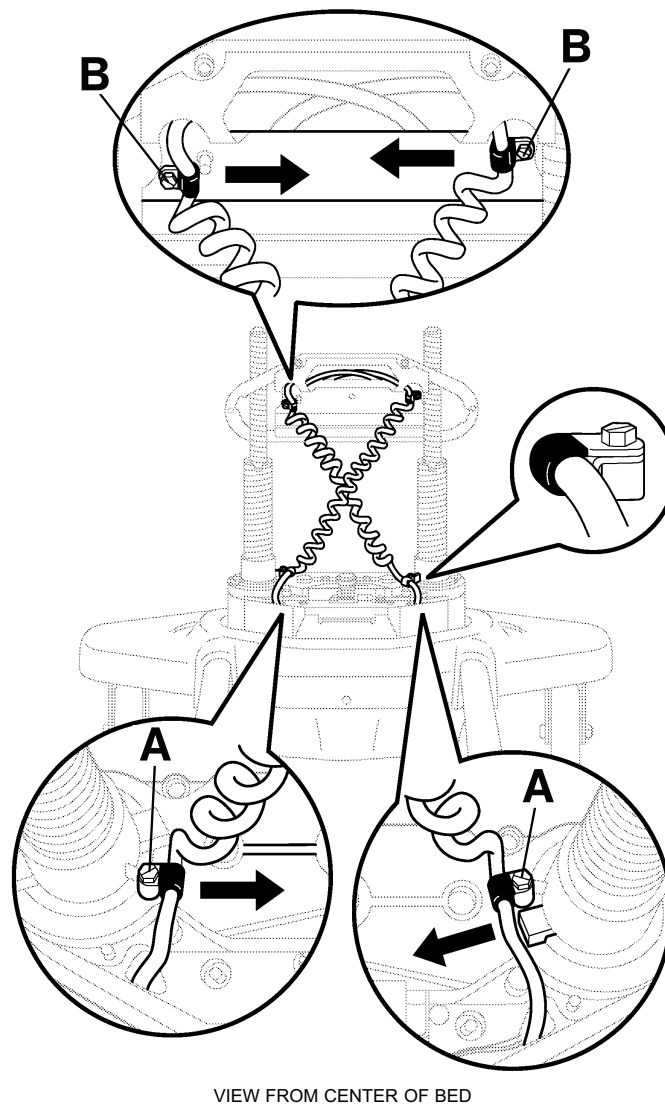


Figure 12 – Header crossbar assembly and coil cords location

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 steps to install the new power and sensor cords. See Figure 12 for proper cord clamp placement.
12. Verify proper operation before you return the product to service.

Note - If you need more space to work under the base frame, place a 2 x 4 across the base frame rails and use a floor jack to raise the base frame off of the floor.

Knee motor removal and replacement

Tools required:

- T27 Torx driver
- Needle nose pliers
- 3/8" socket
- Wire cutters

WARNING - Always make sure that no patient is on the product while you perform this procedure.

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. Using a 3/8" socket, remove the two bolts that secure the motion interrupt pan to the litter frame. Remove the pan.
4. Using needle nose pliers, remove the Rue pin (A) from the end of the drive tube (Figure 13).
5. Fold the Gatch back toward the head end of the product. Using a T27 Torx driver, remove the screw that secures the mid-litter cover to the litter frame. Remove the cover.
6. Remove the two wires from the auto contour micro switch (B) mounted next to the drive tube (Figure 13).
7. Using wire cutters, remove the cable ties. Disconnect the motor and capacitor wires.
8. Using needle nose pliers, remove the Rue pin (C) from the motor bracket and lift the motor out (Figure 13).

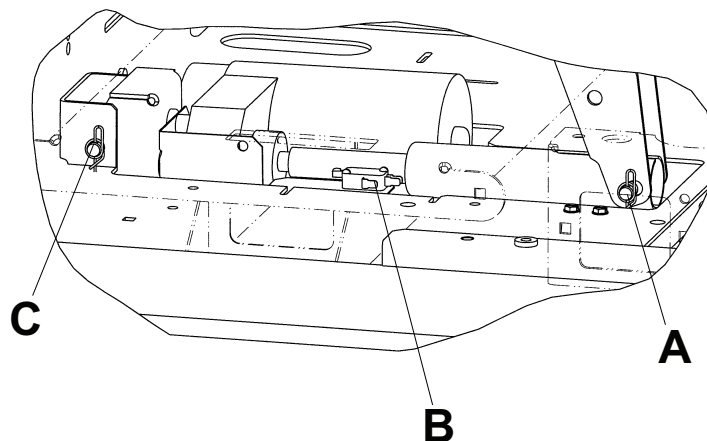


Figure 13 – Removing and replacing the knee motor

9. Using a 3/8" socket, remove the four bolts that secure the motor bracket to the motor. Remove the bracket and save the bolts.
10. Install the replacement motor. Do not hook up the drive tube to the Gatch section yet.
11. Plug the power cord into a grounded wall outlet. Using the button on the footboard or siderail, run the Gatch motor down until it stops.

12. Reinstall the mid-litter cover.
13. Fold the Gatch section down. From underneath the product, manually turn the drive tube in or out until it lines up with the hole in the Gatch section. Reinstall the pin, the wires for the auto contour switch, and the motion interrupt pan.
14. Verify proper operation before you return the product to service.

Fowler motor cam and cam guide replacement

Tools required:

- 5/16" nut driver
- T27 Torx driver
- 3/8" socket

WARNING - Always make sure that no patient is on the product while you perform this procedure.

Procedure:

1. Raise the Gatch to the highest height position.
2. Unplug the power cord from the wall outlet.
3. Using a T27 Torx driver, remove the screw that secures the foot end litter cover to the frame. Remove the cover.
4. Using a 3/8" socket, remove the two foot end bolts that secure the motion interrupt pan to the litter. Remove the pan.
5. Using a 5/16" nut driver, remove the screw (A) that secures the cam retention wire to the ball nut assembly (Figure 14).
6. Disconnect the cables (B) from the micro-switches. Take note of the cable locations to make sure that the cables are connected to the replacement cam during reinstallation (Figure 14).
7. Using a 5/16" nut driver, remove the two screws (C) that secure the cam and cam guide to the support bracket. Remove the cam and cam guide with the attached micro-switches from the product (Figure 14).

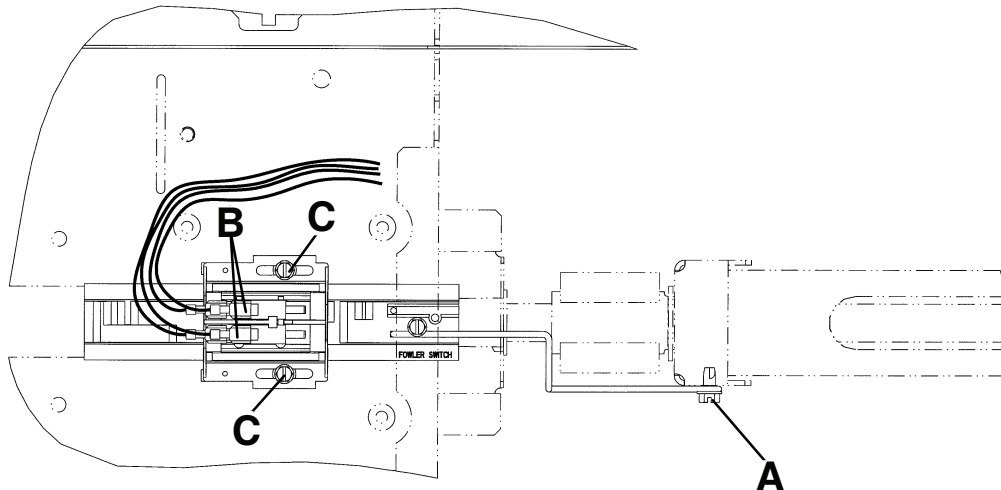


Figure 14 – Cam and cam guide replacement

8. Reverse steps to install the replacement cam and cam guide/micro-switch assembly.
9. Refer to *Limit setting - Fowler motor* (page 38).
10. Verify proper operation before you return the product to service.

Limit setting - Fowler motor

Tools required:

- 5/16" nut driver
- T27 Torx driver
- 3/8" drive ratchet

CAUTION

- Always make sure that the head section stops when it is at the highest height position and the ball nut bracket (C) is approximately 3/4 in. from the panel (D).
 - Always make sure that the head section stops when it is at the highest height position and the Fowler link does not come in contact with the Fowler actuator weldment.
-

Procedure:

1. Raise the knee Gatch to the highest height position.
2. Using a T27 Torx driver, remove the screw that secures the midsection litter access covers to the litter. Remove the covers.
3. Lower the head section electrically until flat (0°) or use the CPR release handle to fully lower the head section.
4. Lower the Fowler until the bolt and bushing (E) are centered in the slot (Figure 15).
5. Unplug the power cord from the wall outlet.
6. Using a 5/16" nut driver and a 3/8" drive ratchet, loosen the two screws (A) on the cam (B) (Figure 15).
7. Slide the cam toward the head of the bed until the micro-switch is activated. The switch will make a clicking noise.

Note - Make sure that the cam "bump" is on the head side of the switch actuator.

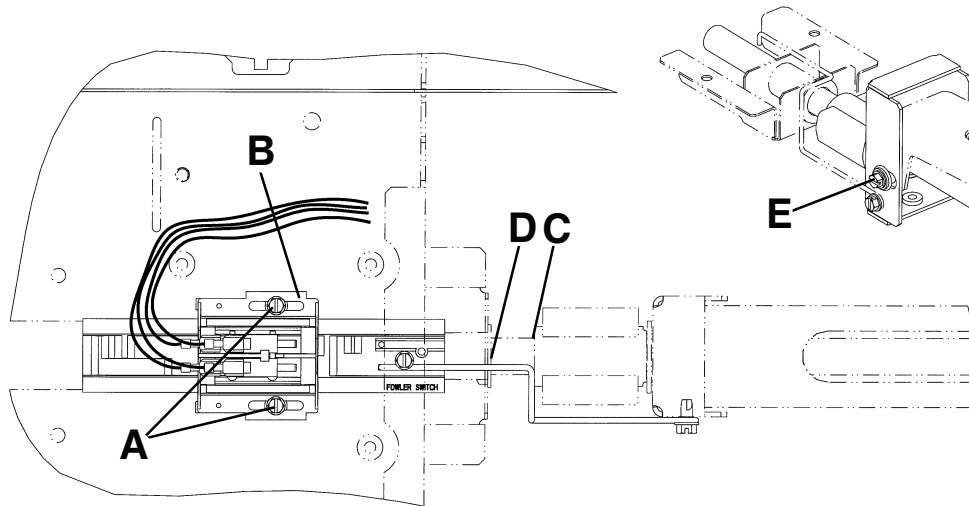


Figure 15 – Fowler motor assembly

8. Tighten the two screws (A) (Figure 15).
9. Make sure that the head section will lower to flat (0°), the head section lowers onto the rubber rests, and the motor stops running before you return the product to service.
10. Reinstall the litter access covers removed in step 2.
11. Verify proper operation before you return the product to service.

Fowler motor removal and replacement

Tools required:

- 3/8" socket
- 7/16" socket
- 3/8" drive ratchet
- **Syn-Tech** grease

CAUTION - Always make sure that the Fowler is at the lowest height position before you perform this procedure.

Procedure:

1. Using the CPR release, lower the Fowler to the flat (0°) position.
2. Unplug the power cord from the wall outlet.
3. Using a 3/8" socket and a 3/8" drive ratchet, remove the two bolts at the foot end of the motion interrupt pan. Remove the pan.
4. Using a 7/16" socket, remove the four bolts that secure the motor bracket to the product frame. Remove the motor.

Note - Use caution when you remove the motor so the coupler does not fall off of the ball screw shaft.

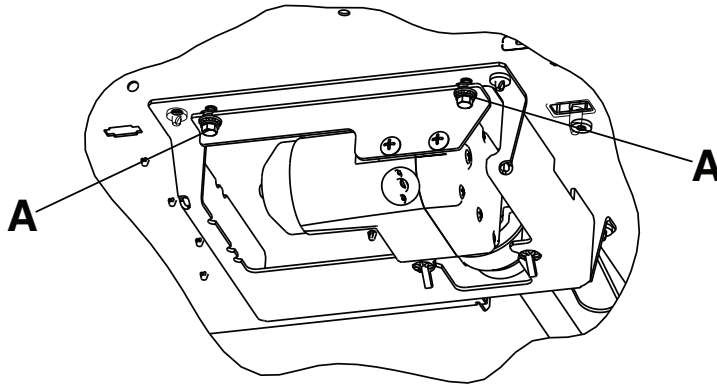


Figure 16 – Remove the bolts

5. Unplug the head motor cables from the product and capacitor.
6. Before you install the new motor assembly, apply a light coat of **Syn-Tech** grease (3000-200-700) to the brake spring.
7. Reverse steps to install the new motor assembly.
8. Reattach all litter panels.
9. After you replace the motor, perform limit setting (*Limit setting - Fowler motor* (page 38)).
10. Verify proper operation before you return the product to service.

Fowler motor drive isolator and CPR decoupler removal and replacement

Tools required:

- 3/8" socket
- Needle nose pliers
- 3/8" drive ratchet

Procedure:

1. See *Fowler motor removal and replacement* (page 39) to access the isolator, springs, and decoupler.

2. Pull the drive isolator (C), springs (B), and CPR decoupler (A) off of the drive screw. Remove all parts from the litter (Figure 17).
3. To reinstall, put the decoupler (A) on the shaft.
4. Using needle nose pliers, bend the end of the springs (B) out to help hold the springs in the isolator. Put the springs in the isolator and install the isolator on the shaft.

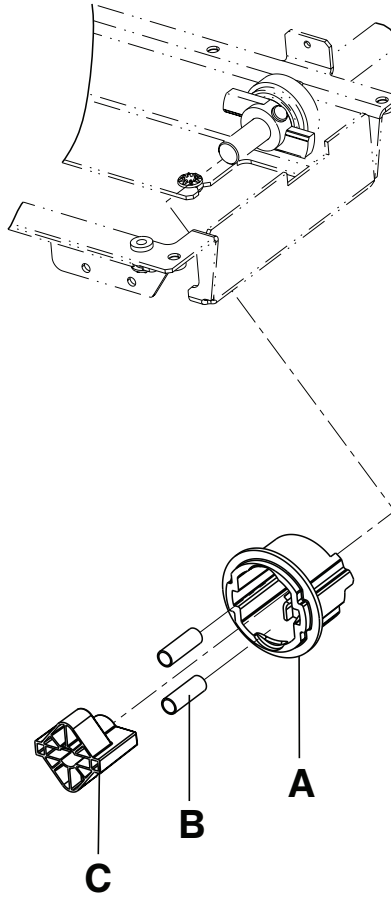


Figure 17 – Isolator, springs, and decoupler location

5. Reinstall the Fowler motor (*Fowler motor removal and replacement* (page 39)).
6. Verify proper operation before you return the product to service.

Fowler motor ball screw assembly replacement

Tools required:

- Large snap-ring pliers
- 3/8" socket
- 3/8" drive ratchet
- Needle nose pliers

CAUTION - Always make sure that the Fowler motor stops at the upper and lower electric limits. If it does not, see *Limit setting - Fowler motor* (page 38).

Procedure:

1. Raise the product and Fowler to the highest height position.
2. Unplug the power cord from the wall outlet.

3. Using a 3/8" socket and a 3/8" drive ratchet, remove the two bolts at the foot end that secure the motion interrupt pan to the litter. Remove the pan.
4. Using a 3/8" socket underneath the litter surface, remove the mounting standoff (E), flange bearing (F), and four washers (G) that secure the CPR dampener to the ball screw bracket and set aside (Figure 18).
5. Pull down on the CPR dampener to remove the dampener bracket and set aside.
6. Remove the Fowler motor (*Fowler motor removal and replacement* (page 39)) for access to the ball screw assembly.
7. Remove the Fowler motor drive isolator and CPR decoupler (*Fowler motor drive isolator and CPR decoupler removal and replacement* (page 39)).
8. Using needle nose pliers, remove the cotter pin that secures the clevis pin to the drive screw wing (A). Remove the clevis pin.
9. Slide the wing and tapered roller bearing off of the ball screw.
10. Using a 3/8" socket underneath the litter, remove the screw that secures the cam wire link (B) to the ball screw assembly.
11. Using a 3/8" socket, remove the two bolts that secure the ball screw support bracket (D) to the bottom of the litter. Remove the bracket.
12. Using large snap-ring pliers, remove the snap ring that secures the ball screw to the bracket (C).

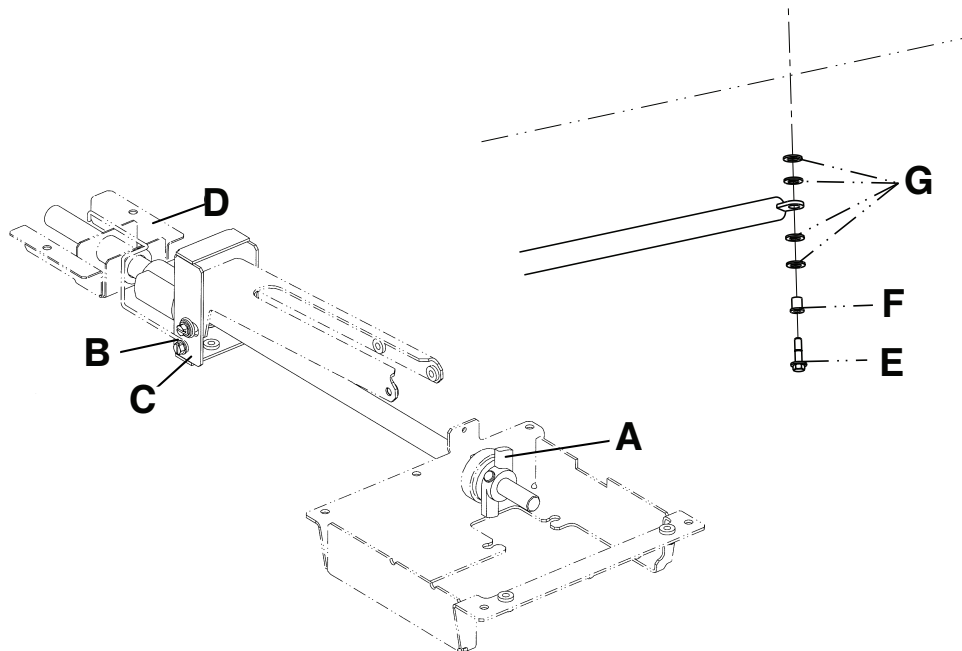


Figure 18 – Replacing the Fowler motor ball screw assembly

13. To prevent the ball nut from coming off of the drive screw, cable tie both ends of the ball screw.
14. Pull the ball screw toward the foot end of the product. Remove the head end of the ball screw assembly from the support.

Note - Do not allow the ball nut assembly to come off of the drive screw. The ball nut is shipped attached to the drive screw and retained in position during shipment. Remove the wire ties after you install the drive screw assembly.

15. Remove the thrust washers and bearing from the head end of the drive screw and set aside.
16. Reverse steps to install the replacement ball screw assembly.

Note - Apply grease to all bearing areas.

17. Verify proper operation before you return the product to service.

Load cell replacement

Tools required:

- 1/4" hex wrench
- Wire cutters

CAUTION - Always make sure that the load cell's strain gauge is facing up during replacement. The weigh system will not work as intended if the strain gauge is not facing up.

Procedure:

1. Unplug the power cord from the wall outlet.
2. Support the corner of the litter where the load cell is being removed.
3. Unplug the load cell connector (A) from the load cell cable (Figure 19). Using wire cutters, cut the cable ties.
4. Using a 1/4" hex wrench, remove the screws, washers, and nuts (B) that secure the load cell to the product (Figure 19).

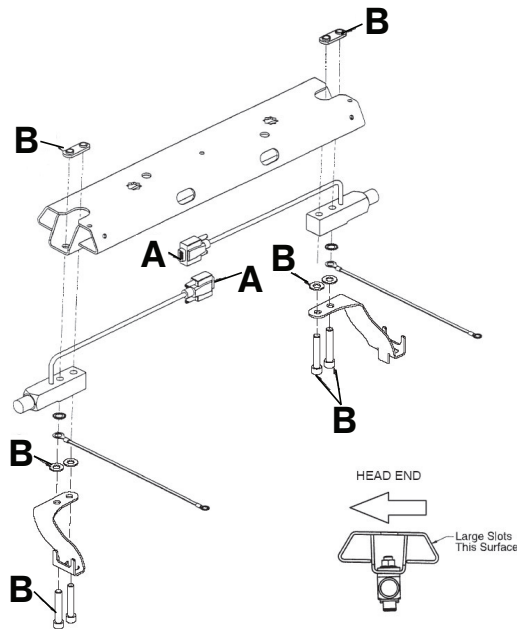


Figure 19 – Replacing the load cell

5. To remove a load cell at the head end of the product:
 - a. Slide the load cell toward the center of the product to clear the bushing that supports the load cell.
 - b. Remove the load cell by lifting it up and out.
6. To remove a load cell at the foot end of the product:
 - a. Slide the load cell with the roller bushing toward the center of the product to clear the litter frame.
 - b. Lift up and out to remove the load cell and roller bushing.
7. Reverse steps to install the new load cell.
8. Recalibrate the weigh system.
9. Verify proper operation before you return the product to service.

Grease points - load cell replacement

1. Apply Syn-Tech NS-18191-G grease (3000-200-719) to the rollers on the lift header assembly (Figure 20).

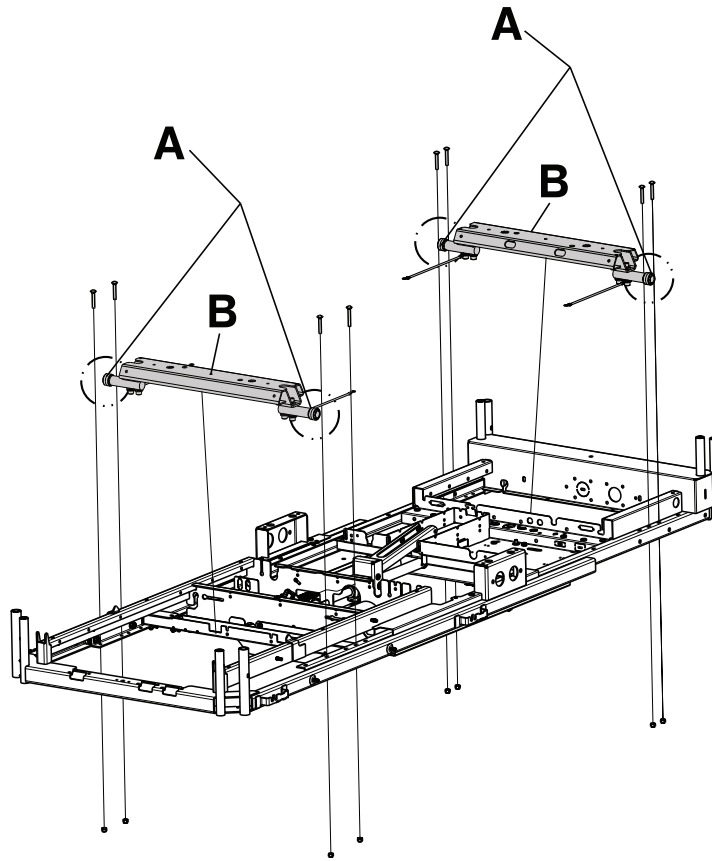


Figure 20 – Litter assembly

Power supply replacement

Tools required:

- T27 Torx driver
- ESD system
- Needle nose pliers

Procedure:

1. Adjust the Fowler to approximately 25°-30°.
2. Unplug the power cord from the wall outlet.
3. Use the ESD system to ground yourself.

CAUTION

- Always use ESD protective equipment before you open antistatic bags and service electronic parts.
 - Do not place unprotected circuit boards on the floor.
-

4. Using a T27 Torx driver, remove the two screws (A) and lock washers (B) that secure the electrical litter cover (C) to the stationary litter frame (Figure 21).

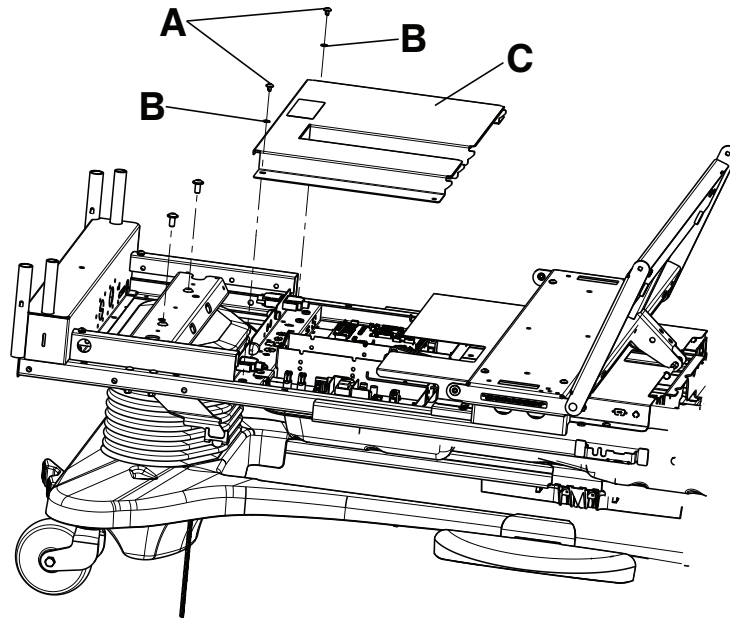


Figure 21 – Replacing the power supply

5. Unclip the two CPR release cables from the litter frame.
6. Remove the cover by lifting up on the head end of the cover and pulling backward to release the locking tabs. Once the cover is released from the litter frame, remove it from the left or right side.

Note - You will have to move the CPR cables out of the way while you remove the electrical cover from the side.

7. Using a T27 Torx driver, remove the two screws that secure the power supply to the stationary litter frame. Set the screws aside.
8. Using needle nose pliers, unplug the power-in cable from the power supply.
9. Slide the power supply back enough to access the power-out cable from the right side of the product.
10. Unplug the cable.
11. Lift up on the power supply. Remove the power supply from the right side of the product.
12. Reverse steps to install the replacement power supply.
13. Verify proper operation before you return the product to service.

CPU board replacement

Tools required:

- T27 Torx driver
- ESD system

Procedure:

1. Adjust the Fowler to 25°-30°.
2. Unplug the power cord from the wall outlet.
3. Use the ESD system to ground yourself.

CAUTION

- Always use ESD protective equipment before you open antistatic bags and service electronic parts.
 - Do not place unprotected circuit boards on the floor.
-

4. Using a T27 Torx driver, remove the two screws that secure the head end litter access cover. Remove the cover.

5. Disconnect all cables at the litter CPU board. Note the cable locations to make sure that you connect them as intended to the replacement litter CPU.
6. To remove the board from the litter standoffs, pull out the retention clips and lift up on the board.
7. Install the replacement board and reconnect all cables.
8. Reinstall the litter access panel. Plug the power cord into a grounded wall outlet.
9. Before you install the replacement CPU, mirror the dip switch settings (SB1, SB2, SB3, and SB4) of the old CPU to the replacement CPU.
10. When you install a replacement CPU, perform the following procedures:
 - a. Software configuration procedures
 - b. Lift potentiometer “burn-in” procedures
 - c. Scale calibration procedures (for beds with scale system only).
11. Verify proper operation before you return the product to service.

Wireless module replacement

Tools required:

- T27 Torx driver
- 1/4” drive ratchet
- Diagonal pliers
- 5/16” socket
- 3/8” socket

CAUTION - Always make sure that all cables are free and clear before you tighten the screws.

Procedure:

1. Raise the product to the highest height position.
2. Raise the Fowler to 25°-30°.
3. Raise both head end siderails to the highest height position.
4. Remove the headboard and set aside.
5. Apply the brakes.
6. Unplug the power cord from the wall outlet.
7. Using a T27 Torx driver, remove the screws that secure the pendant port cover. Save the screws and cover.
8. Using diagonal pliers, cut the two cable ties that secure the wireless module cable.
9. Unplug the quick connect cable from the wireless module.
10. Using a 5/16” socket and 1/4” drive ratchet, install the supplied screws (E) (0003-402-000) to secure the wireless module assembly (5212-400-013) to the foot end of the moving litter frame.

Note - Make sure that the wireless module cable exits toward the patient left side.

11. Install the two supplied cable ties (3000-300-113) to replace the cable ties that were removed.
12. Using a T27 Torx driver, reinstall the screws and pendant port cover that were removed in step 7.
13. Reinstall the headboard assembly removed in step 4.
14. Remove and save the footboard assembly.
15. Using a 5/16” socket and 1/4” drive ratchet, install the supplied screws (E) (0003-402-000) to secure the wireless module assembly (5212-400-013) to the foot end of the moving litter frame.

Note - Make sure that the wireless module cable exits toward the patient left side.

16. Using a 1/4" drive ratchet and 3/8" socket, remove the two screws (F) that secure the footboard connector to the moving litter frame. Save the screws.
17. Using diagonal pliers, cut the cable ties that secure the footboard connector cable to the litter. Discard the cable ties.
18. Push the footboard connector through the moving litter frame so that it is loose.
19. Push the supplied module jumper cable (female end) (5212-400-808) through the moving litter frame and secure it with the two screws that were removed in step 16.

Note - Before you screw the connector to the moving litter frame, make sure that the orientation of the connector has the square key facing toward the patient right side of the bed.

20. Connect the existing footboard connector and the module jumper (male end) together.
21. Using two supplied cable ties (3000-300-113), secure the connectors together by threading them through each mounting hole end to end. Tie and trim the excess.
22. Loop the excess cable into the moving litter frame and fit the connectors into the frame rail.
23. Using a supplied cable tie (3000-300-113), secure the cable and connector to the litter frame.
24. Reinstall the footboard assembly removed in step 14.
25. Continue to Procedure 2: Instruction checklist.

Procedure 2: Instruction checklist

	Procedure	Verification	Result
1.	Cycle power on bed.	Unplug the power cord from the wall outlet. Plug the power cord back into a wall outlet.	
2.	Verify wireless system functionality within bed is ready.	Look for the signal strength and locator icons on the footboard screen. Also look at the back of the IR module for two blinking LEDs.	
3.	Record the MAC address of the wireless module and the serial number of the bed.	MAC address is located on the ID label of the module. The bed serial number is located at the head end of the bed just below the headboard and above the power cord. Provide both numbers to IT for the IP address or DNS name.	
4.	Test the bed functionality.	Check to verify all the bed functions work.	
5.	General checklist.	Test the bed as recommended by the Preventive Maintenance checklist located in the product's Maintenance Manual.	

Note - For the bed to connect to the wireless network, the network connection setting must be loaded. See the **iBed** Wireless Server Installation/Configuration Manual.

Procedure 3: Service report

After you have upgraded the software on the bed, update the service report with the following:

- Appropriate term code

- Kit part number installed

IR module replacement

Tools required:

- T27 Torx driver
- 1/4" drive ratchet
- 5/16" socket
- Small slotted screwdriver

CAUTION - Always make sure that all cables are free and clear before you tighten the screws.

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. Remove the headboard.
4. Using a 5/16" socket, remove the screw that secures the power cord clamp to the bumper weldment. Remove the power cord with the cable clamp.
5. Using a T27 Torx driver, remove the four bolts that secure the control bar mounting bracket to the head end of the product (Figure 22).



Figure 22 – Remove the bolts

6. Standing at the head end, pull the head end housing/control bar toward you and fold it down.
7. Using a small slotted screwdriver, unclip the three wire holders (A) and remove the cables (Figure 23).
8. Using a T27 Torx driver, remove the two screws (B) that secure the AC crossover board cover to the litter frame. Remove the cover (C).

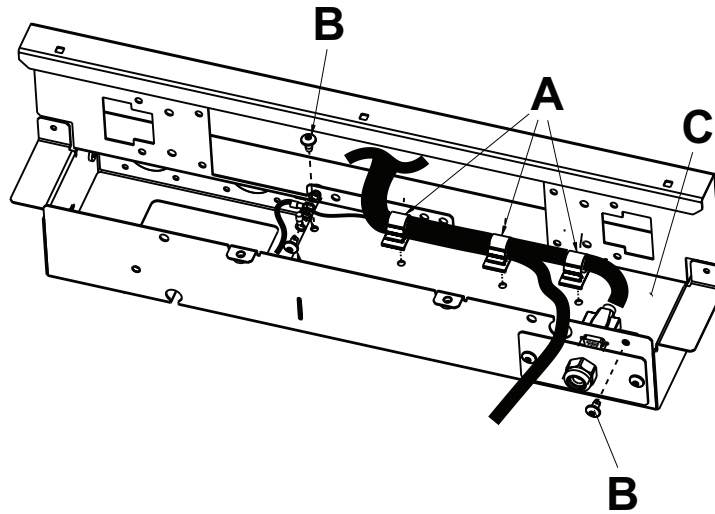


Figure 23 – Remove screws, wire holders, and cover

9. Using a small slotted screwdriver, unclip the connector (D) going to the IR module (F) (Figure 24).
10. Using a 1/4" drive ratchet and 5/16" socket, remove the two screws (E) that secure the IR module to the litter frame (Figure 24).

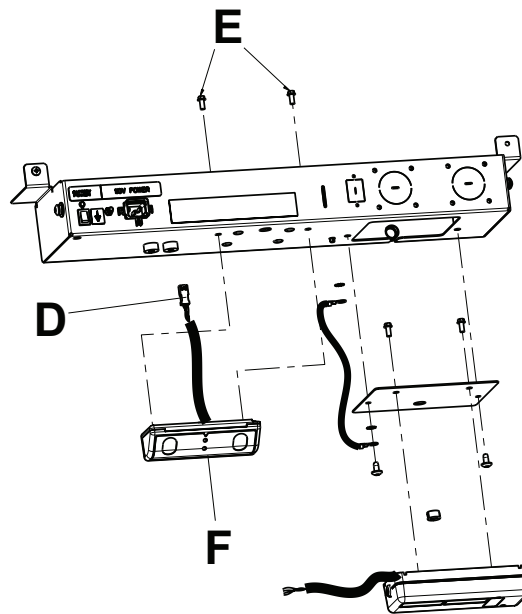


Figure 24 – Remove screws and IR module

11. Route the IR module cable out through the hole in the litter frame.
12. Reverse steps to install.
13. Verify proper operation before you return the product to service.

Software configuration procedures

1. On the first power-up, the footboard screen displays the Bed Config. menu (Figure 25). Only two items should display.

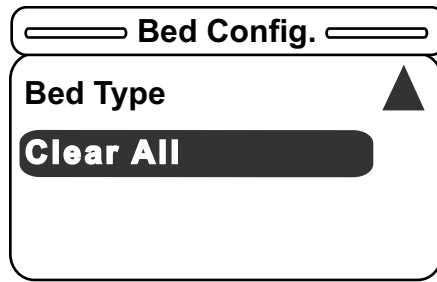


Figure 25 – Bed Config. menu

- After you select **Bed Type** and press **Enter** on the footboard panel, the Bed Type screen displays (Figure 26). To select an item, press **Enter** on the footboard panel. Choose **S3**.
- After you select a Bed Type from the list above, a confirmation screen will be displayed. The confirmation screen text will vary based on the item you selected. The Message screen indicates that you chose the Bed Type **S3** (Figure 27). Press **Enter** on the footboard panel to confirm the Bed Type or **Exit** to cancel the operation.

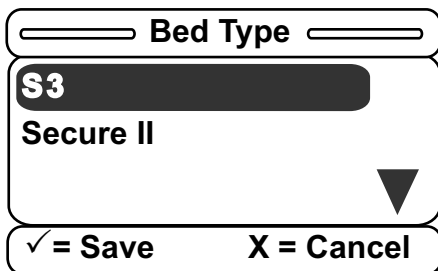


Figure 26 – Bed Type screen

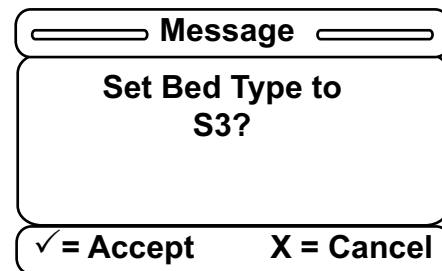


Figure 27 – Message screen

- After you select the Bed Type, **Bed Options** becomes available. Press **Enter** on the footboard panel to choose the options for the product (Figure 28).

Note - From here, you can also see the previous Bed Type.

- After you select **Bed Option**, the Bed Options menu displays (Figure 29). Each option must be set to OFF, ON, or a variety of the option (i.e. **Zoom/Batt.** or **Bed Exit**).

Note - You must configure each option in the order presented on the screen (i.e. set the **Zoom/Batt.** option before the **Scale** option, which should be set before the **Bed Exit** option, which should be set before the **Awareness** option).

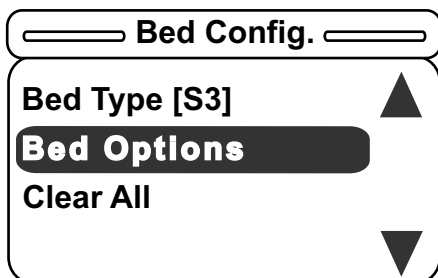


Figure 28 – Bed Options

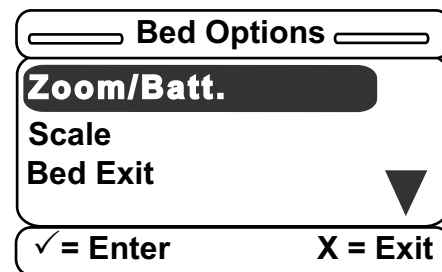


Figure 29 – Bed Options menu

- After you select the **Zoom/Batt.** option, the **Zoom/Batt.** menu displays (Figure 30). You can set this option to OFF, **Zoom**, or **Battery Backup**. Scroll up or down to select one of the three available items and press **Enter** on the footboard panel.
- After you select one of the items, a confirmation screen will be displayed. The confirmation screen text will vary based on the item that you selected. The confirmation screen indicates that you chose **Zoom** (Figure 31). Press **Enter** on the footboard panel to confirm the **Zoom/Batt.** option or **Exit** to cancel the operation.

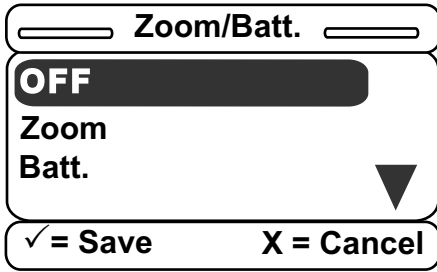


Figure 30 – Zoom/Batt. menu

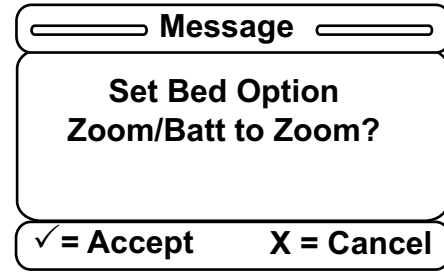


Figure 31 – Confirmation screen

- After you set the **Zoom/Batt.** option, you will return to the Bed Options screen. The next item you need to set will be highlighted (Figure 32).

Note - From here, you can also see each previous option.

- After you select the **Scale** item, the Scale screen displays (Figure 33). You can set the Scale option to ON or OFF. Press **Enter** on the footboard panel to confirm your selection or **Exit** to cancel the operation.

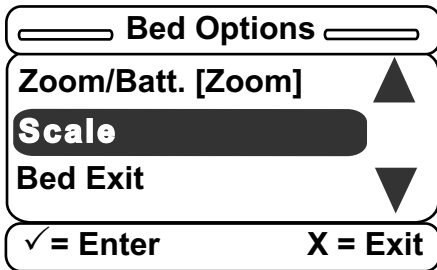


Figure 32 – Bed Options menu

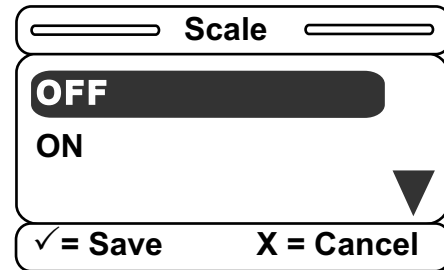


Figure 33 – Scale

- After you select one of the items, a confirmation screen will be displayed. The confirmation screen text will vary based on the item that you selected. The confirmation screen indicates that the Scale option was set to ON (Figure 34). Press **Enter** on the footboard panel to confirm your Scale option or **Exit** to cancel the operation.

- After you set the Scale option, you will return to the Bed Options screen to set the Bed Exit option (Figure 35).

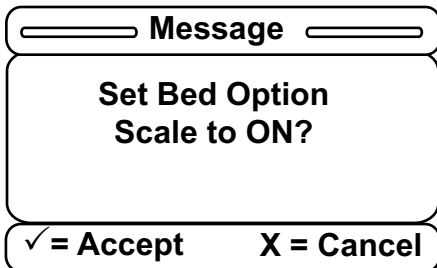


Figure 34 – Confirmation screen

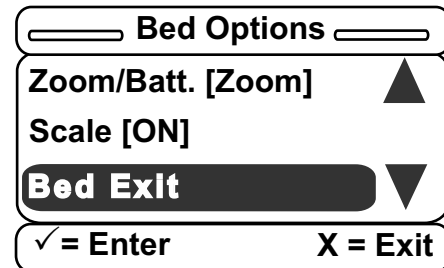


Figure 35 – Bed Options menu

- After you select **Bed Exit**, the Bed Exit menu displays (Figure 36). You can set the Bed Exit option to OFF, Multi Zone, or Single Zone. Press **Enter** on the footboard panel to make your selection or **Exit** to cancel the operation.

- After you select one of the items, a confirmation screen will be displayed. The confirmation screen text will vary based on the item that you selected. The confirmation screen indicates that you chose the Multi Zone Bed Exit option (Figure 37). Press **Enter** on the footboard panel to confirm your Bed Exit option or **Exit** to cancel the operation.

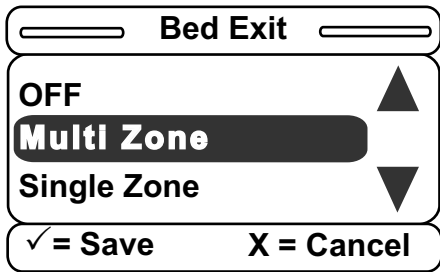


Figure 36 – Bed Exit menu

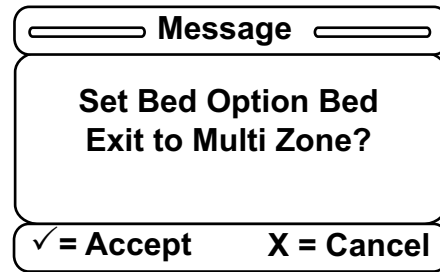


Figure 37 – Confirmation screen

14. After you set the Bed Exit option, you will return to Bed Options menu to set the Awareness option (Figure 38).

Note - From here, you can also see each previous option.

15. After you select the Awareness item, the Awareness menu displays (Figure 39). You can set the Awareness option to OFF or ON. Press **Enter** on the footboard panel to make your selection or **Exit** to cancel the operation.

Note - If Bed Exit was set to OFF, Awareness will then automatically be set to OFF as well. Awareness cannot be set to ON unless either kind of Bed Exit was previously chosen.

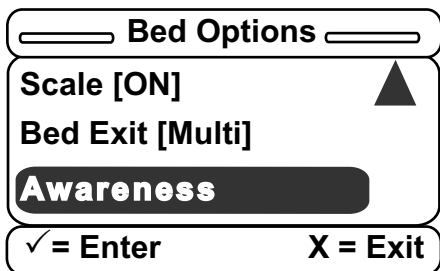


Figure 38 – Bed Options menu

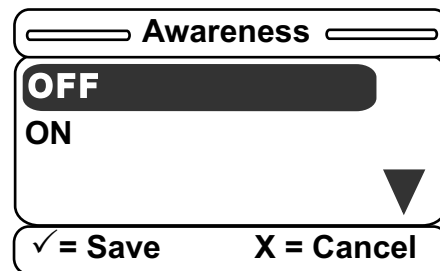


Figure 39 – Awareness menu

16. After you select one of the items, a confirmation screen will be displayed. The confirmation screen text will vary based on the item that you selected. The confirmation screen indicates that you set the Awareness option to ON (Figure 40). Press **Enter** on the footboard panel to confirm your Awareness option or **Exit** to cancel the operation.

17. After you set the Awareness option, you will return to the Bed Options menu (Figure 41). After text appears in square brackets next to each option in the Bed Options menu, all of your options have been set. You may re-enter any option and change the setting at any time.

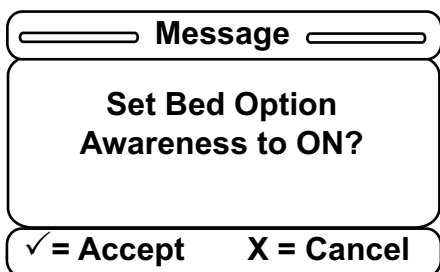


Figure 40 – Confirmation screen

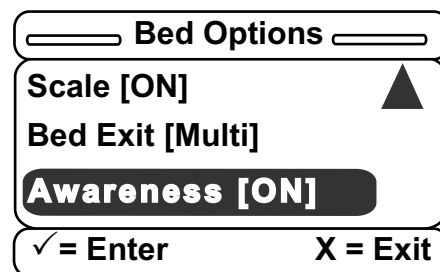


Figure 41 – Bed Options menu

18. After you set the Awareness option, you will return to the Bed Options menu to set the Wireless option (Figure 42).

Note - From here, you can also see each previous option.

19. After you select the Wireless option, the Wireless menu displays (Figure 43). You can set the Wireless option to ON. Press **Enter** on the footboard panel to make your selection or **Exit** to cancel the operation.

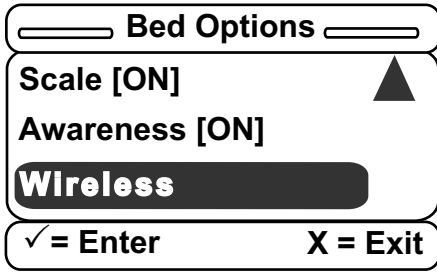


Figure 42 – Bed Options menu

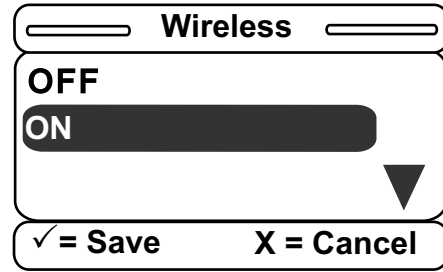


Figure 43 – Wireless menu

20. After you select one of the items, a confirmation screen will be displayed. The confirmation screen text will vary based on the item that you selected. The confirmation screen indicates that you set the Awareness option to ON (Figure 44). Press **Enter** on the footboard panel to confirm your Wireless option or **Exit** to cancel the operation.
21. After you set the Wireless option, you will return to the Bed Options menu (Figure 45). After text appears in square brackets next to each option in the Bed Options menu, all of your options have been set. You may re-enter any option and change the setting at any time.

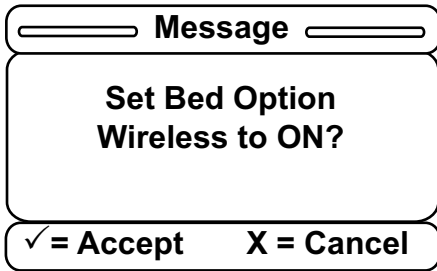


Figure 44 – Confirmation screen

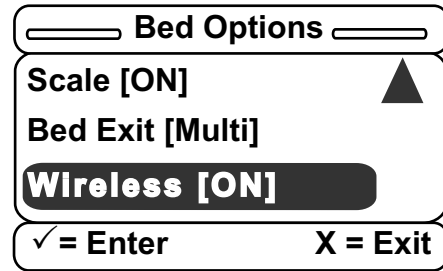


Figure 45 – Bed Options menu

22. If you press **Exit** on the footboard panel while on the Bed Options menu, you will return to the Bed Configuration main menu (Figure 46).

Note - From here, you can also see each option that you previously set.

23. There are two options available (Figure 47). **Current SN** will display the saved serial number, while **Edit SN** will allow you to edit the existing serial number.

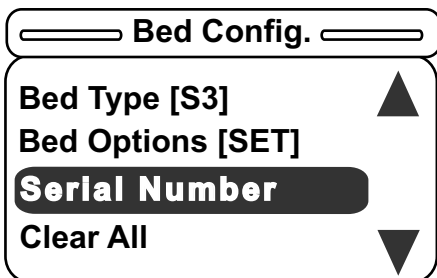


Figure 46 – Bed Config. menu

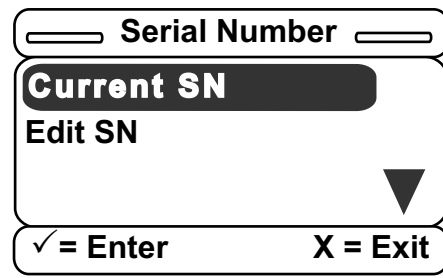


Figure 47 – Serial Number screen

24. If you select **Current SN** without entering a serial number, the **Serial Number Not Set** message displays (Figure 48).
25. If you select **Edit SN**, the Edit SN screen displays (Figure 49).

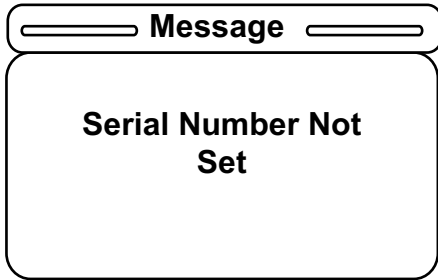


Figure 48 – Serial Number Not Set message

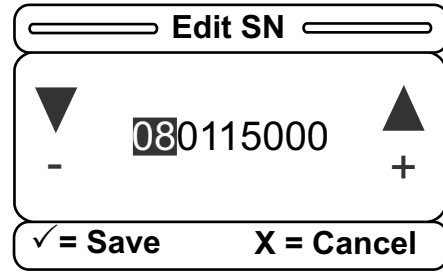


Figure 49 – Edit serial number

26. Use the two blinking lock buttons to select the desired portion of the serial number. This selected portion will remain highlighted. Then use the footboard panel up/down buttons to edit the serial number (Figure 50).
27. After you press the bed up/down lock button, the highlighted sections will change (Figure 51, Figure 52, Figure 53, and Figure 54). Hold down Enter on the footboard panel for two seconds to save the serial number or press Exit to cancel the operation.



Figure 50 – Lock and up/down button locations

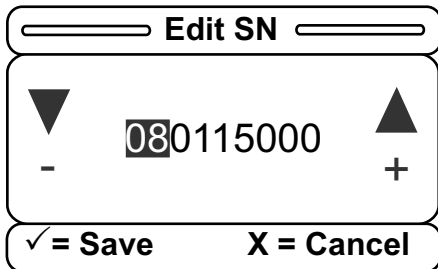


Figure 51 – Edit SN section

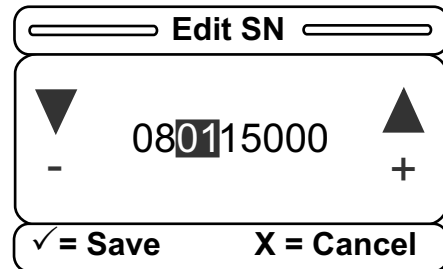


Figure 52 – Edit SN section

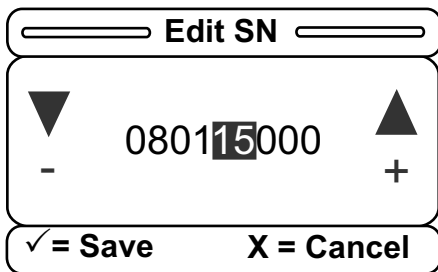


Figure 53 – Edit SN section

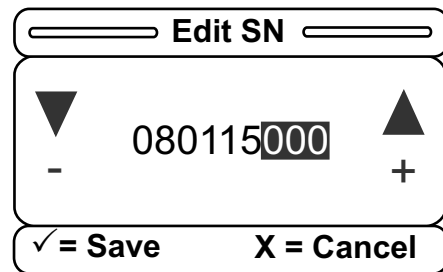


Figure 54 – Edit SN section

28. After you save the serial number and enter the Current SN, the Current SN screen displays (Figure 55). The entered serial number displays until you press Enter on the footboard control panel.
29. If you press Exit on the footboard panel while on the Serial Number screen, you will return to the Bed Configuration main menu (Figure 56).

Note - From here, you can also see each previous option.

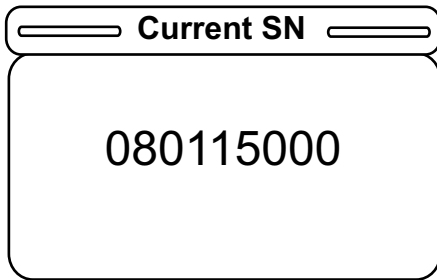


Figure 55 – Current SN screen

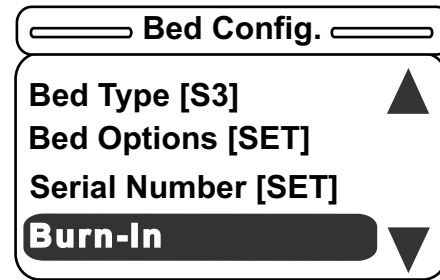


Figure 56 – Bed Config. menu

30. After you select **Burn-In**, the Burn-In Limits screen displays (Figure 57). The Burn-In Height item will direct you through the burn-in height routine. The Burn-In Fowler item will direct you through the burn-in Fowler routine.
31. The burn-in height routine will display varying messages depending on whether you choose to activate the **Zoom/Batt.** option. If you activate the Zoom or Battery Backup option, the **Put Bed in High Height** message displays (Figure 58). If you deactivate the **Zoom/Batt.** Backup option, the **Put Bed in Low Height** message displays.
- Drive the bed to its high or low height (depending on the message displayed) and hold the Bed Motion Lock. The screen will display the message: **Hold to Set Height Limits**.
 - After the lock button is held for two seconds, the message **Release Button** will flash.

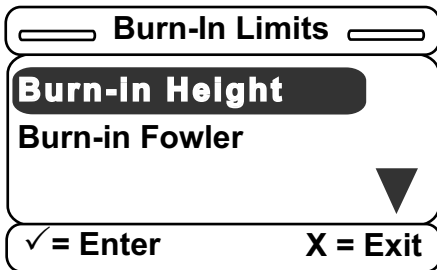


Figure 57 – Burn-In Limits screen



Figure 58 – Put Bed in High Height message

32. After you release the lock button, the **Height Limit Set** message displays and you will return to the Burn-In Limits screen (Figure 59). The height limits are now burned in.

Note

- The **SET** text indicates that the limits are set.
- The process is similar to the Burn-in Fowler routine.

- After you select the Burn-in Fowler item, the **Set Fowler to Lower Limit** message displays.
- Press and hold the **Enter** button to set the lower limit. The message **Set Fowler to 30°** displays.
- After you set the Fowler to 30°, the message **Set Fowler to Upper Limit** displays.
- After all three limits are burned in, the message **Fowler Calibration Complete** displays for two seconds and you will return to the Bed Configuration menu.

33. After you set all of the Bed Configuration items, the main screen displays (Figure 60).

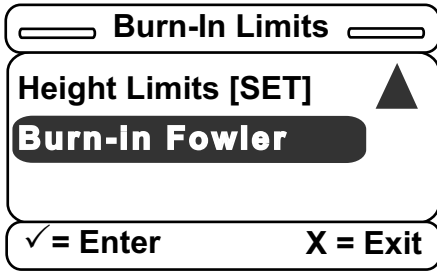


Figure 59 – Burn-In Limits screen

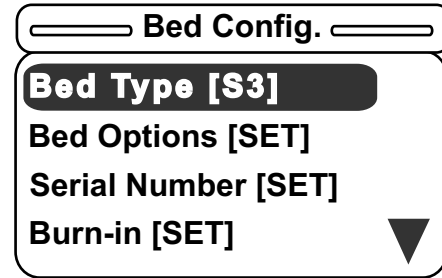


Figure 60 – Bed Config. menu

Note

- Any item may be adjusted at any time.
 - If you change the Bed Type, the serial number and burn-in limits will be cleared and you will need to repeat the process to reset them.
 - If you change the **Zoom** options, the burn-in limits will be cleared and you will need to repeat the process to reset the limits.
 - You must cycle power to the bed to exit the Bed Configuration mode.
 - You will not be able to exit the Bed Configuration mode without setting all items (with the exception of the Fowler limits). For example, you must choose the Bed Type, set all options to either ON, OFF, or some variety of the option, and enter the serial number and burn-in height limits in order to exit the Bed Configuration menu on a power cycle.
34. To quickly clear all of the Bed Configuration items that you entered, select the **Clear All** item located at the bottom of the Bed Configuration menu (Figure 61).
35. After you select **Clear All**, the **Clear All Config. Items?** confirmation screen displays (Figure 62).

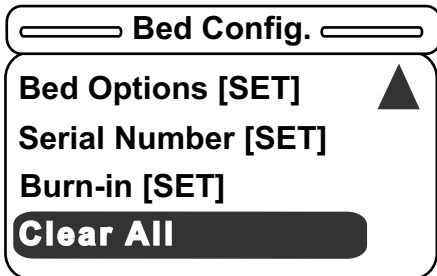


Figure 61 – Bed Config. menu

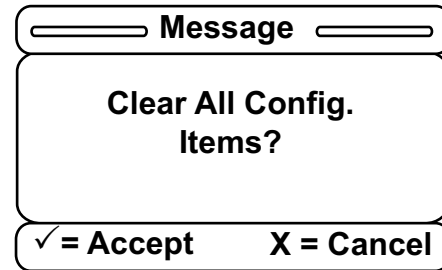


Figure 62 – Confirmation screen

36. After you press **Enter**, the previously set Bed Configuration items (Bed Type, Bed Options, Serial Number, Height Limits, and Fowler Limits) will be erased and the **Bed Config. Cleared** message displays (Figure 63).
37. The Bed Configuration menu will then only display the Bed Type menu item (Figure 64) and you can now re-enter all bed information starting with the Bed Type.

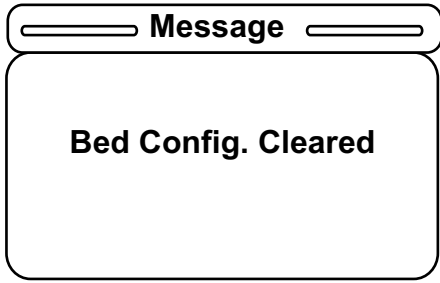


Figure 63 – Bed Config. Cleared message

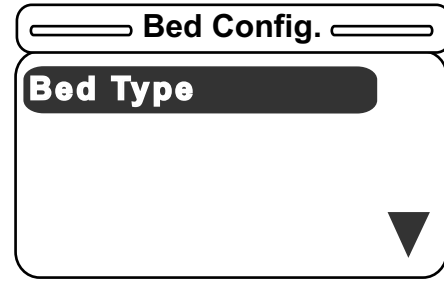


Figure 64 – Bed Config. menu

Smart TV interface “burn-in” procedure option

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

Procedure:

1. Press and hold the **Enter** button. While you hold the button, cycle bed power. Continue to hold **Enter** until the display flashes **Load Cell Check**. Release.
2. The display presents the Maintenance Menu. Make sure that the **TV Config.** element is highlighted and press **Enter**.
3. The display presents the **TV Config.** screen. The current TV selection will be highlighted. (Default selection is Traditional).
4. Use the up and down arrow buttons to highlight the desired **TV Config.**

TV configuration menu settings

TV mode/brand	Display TV menu select
RCA 1	TV Config. 1
RCA 2	TV Config. 2
Zenith 1	TV Config. 3
Zenith 2	TV Config. 4
Philips	TV Config. 5
Magnavox	TV Config. 6
Traditional	Traditional
Traditional Plus	Traditional Plus
Auto-Config.	Auto-Config.
Auto-Config. DV	Auto-Config. DV

5. Press the **Enter** to select the new setting.
6. The display presents the **Save Successful** message when you save the new setting.
7. The **TV Config** screen reappears after two seconds and the new setting is highlighted.

Fowler potentiometer replacement

Tools required:

- 1/2" combination wrench
- 7/64" hex wrench
- Small slotted screwdriver
- Multimeter

Procedure:

1. Unplug the power cord from the wall outlet.
2. Manually raise the Fowler to 60°.
3. Using a 7/64" hex wrench, loosen the screw that secures the linkage to the potentiometer shaft. Remove the linkage from the shaft.
4. Using a 1/2" combination wrench, remove the nut that secures the potentiometer to the frame and disconnect from the 3-pin quick disconnect.
5. Using a 1/2" combination wrench, install the Fowler potentiometer to the Fowler platform arm. Make sure that you align the potentiometer alignment tab with the notch in the Fowler frame.
6. Using a multimeter and a small slotted screwdriver, set the Fowler potentiometer to 500 +/-50 ohms using the black and green wires from the Fowler potentiometer.
7. Using a 7/64" hex wrench, tighten the set screw on the Fowler potentiometer linkage that secures the potentiometer. Make sure that you double check the ohms reading after you tighten each set screw. Readjustment may be necessary.
8. See *Fowler potentiometer "burn-in" procedure* (page 57) to set the Fowler angle.
9. Verify proper operation before you return the product to service.

Fowler potentiometer "burn-in" procedure

WARNING - Always make sure that no patient is on the product while you perform this procedure.

Note - Two operators are required to activate the diagnostics for the bed.

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, hold down the bed motion lock button, the knee lock out button, and the reverse Trend button. While holding the buttons, plug the power cord into the wall outlet. Release the footboard buttons. Using the up/down arrow buttons, scroll to the Burn-In item and press **Enter**. Select **Burn-In Fowler** and press **Enter**. A message will appear: **Set Fowler to 0°**.
3. Using the footboard controls, run the Fowler to 0°. Press **Enter**. A message will appear on the display: **Set Fowler to 30°**.
4. Using the footboard controls, run the Fowler to 30°. Press **Enter**. A message will appear on the display: **Set Fowler to Upper Limit (60°)**.
5. Using the footboard controls, run the Fowler to Upper Limit (60°). Press **Enter**. A message will appear on the display for two seconds: **Fowler Calibration Complete**. You will then return to the Burn-In menu. The menu item should now read: **Fowler Limits [SET]**.
6. Unplug the power cord from the wall outlet. Plug the power cord back into the wall outlet to return to normal operating mode.
7. Verify proper operation before you return the product to service.

Head and foot siderail cover removal

Tools required:

- #2 Phillips screwdriver

CAUTION

- Do not pull on the cables when you remove the cover. Two cables connect the outside cover to the head end siderail.
 - Do not snag the cables when you install the siderail cover.
-

Procedure:

1. Unplug the power cord from the wall outlet.
2. Remove the seven screw cover labels from the inside of the rail.
3. Using a #2 Phillips screwdriver, remove the eight screws (A) that secure the covers (B and C) to the siderail (Figure 65).
4. Remove the screws (D) that secure the release handle panel (E) (Figure 65). Remove the panel.

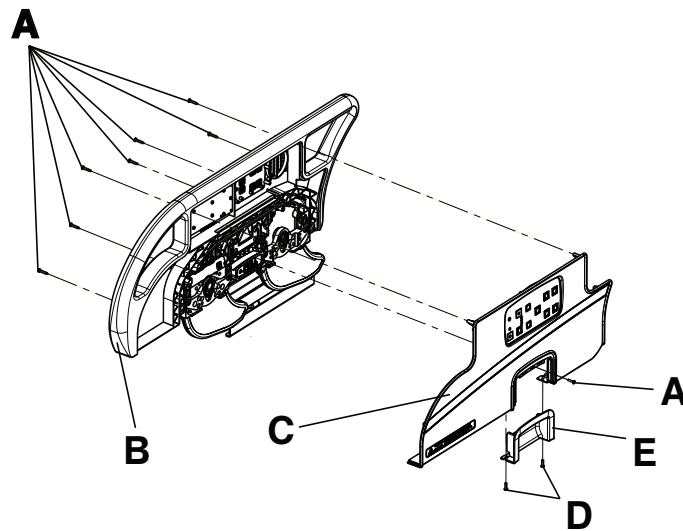


Figure 65 – Removing the siderail covers

5. Remove the cables from the siderail. Make note of the cable locations for reinstallation.
6. Reverse steps to reattach the cover.
7. Verify proper operation before you return the product to service.

Head siderail hoop replacement

Tools required:

- 7/16" socket
- Diagonal pliers

Procedure:

1. Raise the siderail to its highest height position.
2. Remove the six labels (A) on the inside of the siderail (Figure 66).
3. Remove the six pan head screws (B) from the siderail panel.
4. Remove the two pan head screws (C) that secure the handle casing to the panel. Pull down on the handle to remove.
5. Remove the three pan head screws (D) to remove the outer siderail panel (E).

6. Pull the outer siderail panel straight out.
7. Unplug the two cable harnesses from the siderail panel.
8. Unplug the cable connections from the inner siderail board. Using diagonal pliers, cut the cable ties that secure the main cable.
9. Remove the four screws that secure the speaker. Remove the speaker and cable clamp.
10. Using a 7/16" socket, remove the four screws (F) that secure the head siderail hoop (G) to the siderail support assembly.

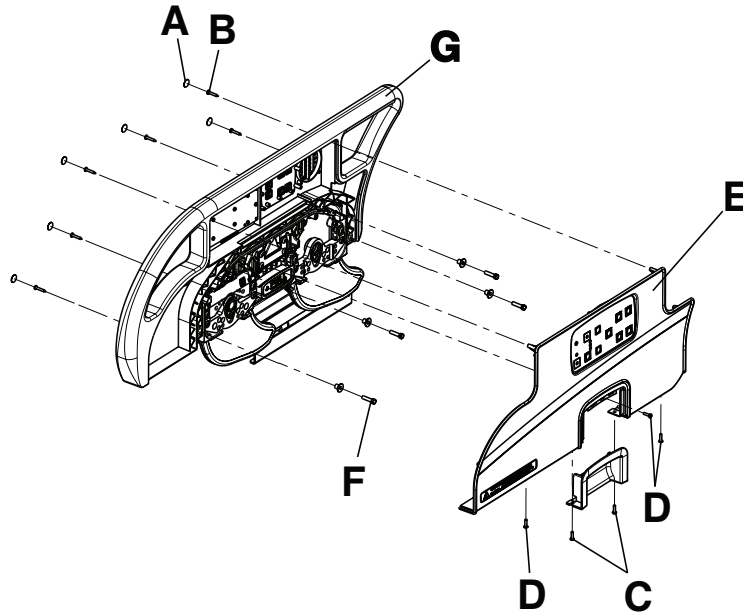


Figure 66 – Replacing the siderail hoop

11. Lift the head siderail hoop straight up and out.
12. Remove the inner siderail boards and reinstall on the new siderail hoop.
13. Reverse steps 2-11 to install the new siderail hoop.
14. Verify proper operation before you return the product to service.

Footboard module removal

Tools required:

- #2 Phillips screwdriver
- 1/4" nut driver

Note - Replace labels after you remove the footboard module.

Procedure:

1. Remove the footboard assembly.
2. Remove the 11 screw cover labels.
3. Using a #2 Phillips screwdriver, remove the 13 screws that secure the back cover to the footboard.
4. Using a 1/4" nut driver, remove the six screws that secure the center lens assembly.
5. Unplug the cable connection from the module.

Note - If you have iBed Awareness, there are two other connections.

6. Lift the module out and replace.
7. Reverse steps 1-6 to reattach the footboard assembly.
8. Verify proper operation before you return the product to service.

Footboard interface plug replacement

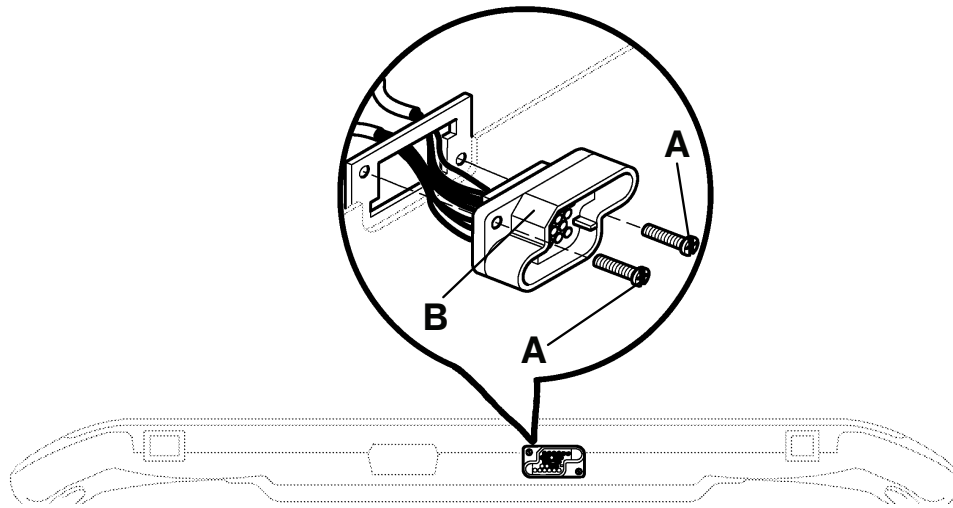
Tools required:

- #2 Phillips screwdriver

CAUTION - Always make sure that you install the plug with the flat edge (B) at the top left (plug orientation) or the footboard interface plug will not mate with the bed. Damage to the plug or the footboard may result.

Procedure:

1. Remove the footboard assembly.
2. Remove the 11 screw cover labels.
3. Using a #2 Phillips screwdriver, remove the 13 screws that secure the back cover to the footboard.
4. Unplug the cable connection from the module.
5. Lift up on the connector and replace.
6. Verify proper operation before you return the product to service.



BOTTOM VIEW OF FOOT BOARD

Figure 67 – Plug orientation

Head wall output configuration

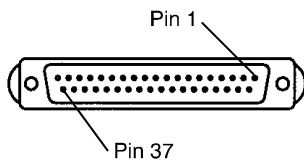


Figure 68 – 37 pin connector

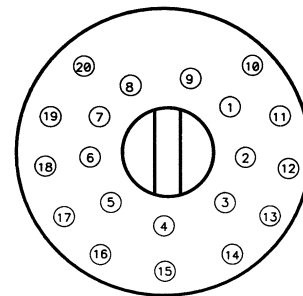


Figure 69 – Pendant port

37 pin connector	
Pin 1	iBed Awareness status on
Pin 2	Read light
Pin 3	Room light
Pin 4	Speaker high
Pin 5	Potentiometer wiper
Pin 6	Bed Exit status on
Pin 7	Nurse call interlock
Pin 8	Audio transfer -
Pin 9	Audio transfer +
Pin 10	Interlock +
Pin 11	Interlock -

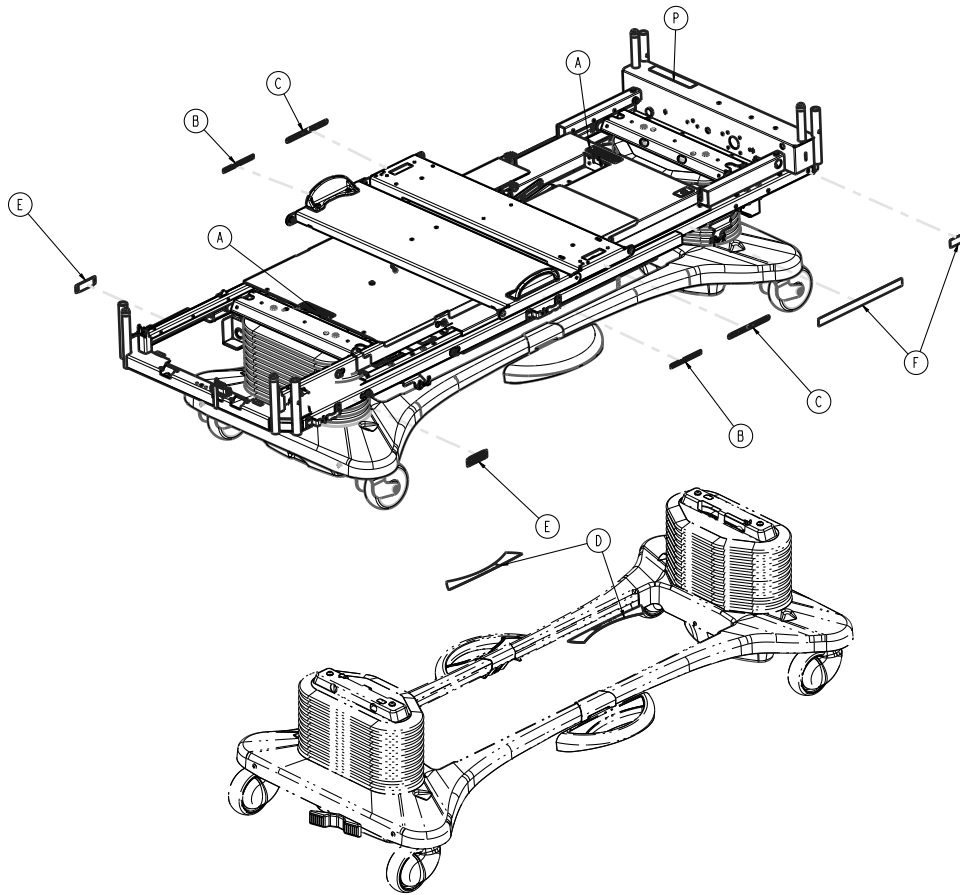
37 pin connector	
Pin 12	iBed Awareness Fowler 30° alert
Pin 13	No connect
Pin 14	Potentiometer low common
Pin 15	Potentiometer high common (std.)/audio (stv)
Pin 16	Nurse answer light +
Pin 18	iBed Awareness siderail alert
Pin 17	iBed Awareness alert
Pin 19	Nurse call light +
Pin 20	No connect
Pin 21	No connect
Pin 22	No connect
Pin 23	Brake status on
Pin 24	No connect
Pin 25	Nurse call +
Pin 26	Nurse call no/nc
Pin 27	Room/read light common
Pin 28	Nurse call light -
Pin 29	Nurse answer light -
Pin 30	Priority no/nc
Pin 31	Priority common
Pin 32	iBed Awareness low height alert
Pin 33	TV - (std.)/data (STV)
Pin 34	TV + (std.)/common (STV)
Pin 35	Speaker low common
Pin 36	Audio shield
Pin 37	iBed Awareness common

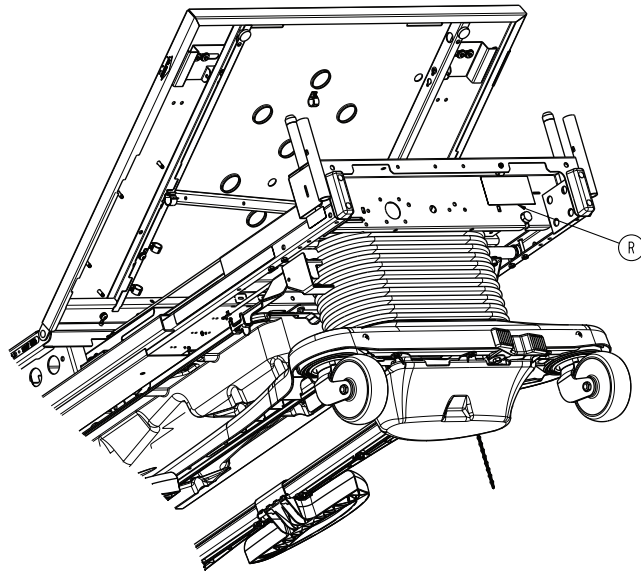
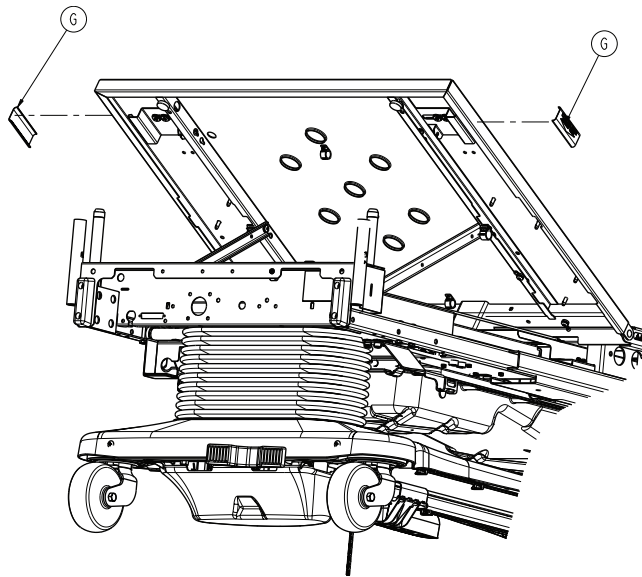
Pendant port	
1	Scan line
2	Audio (-)
3	Nurse call (+)
4	+5 VDC
5	Scan line
6	Scan line
7	Nurse call (-)

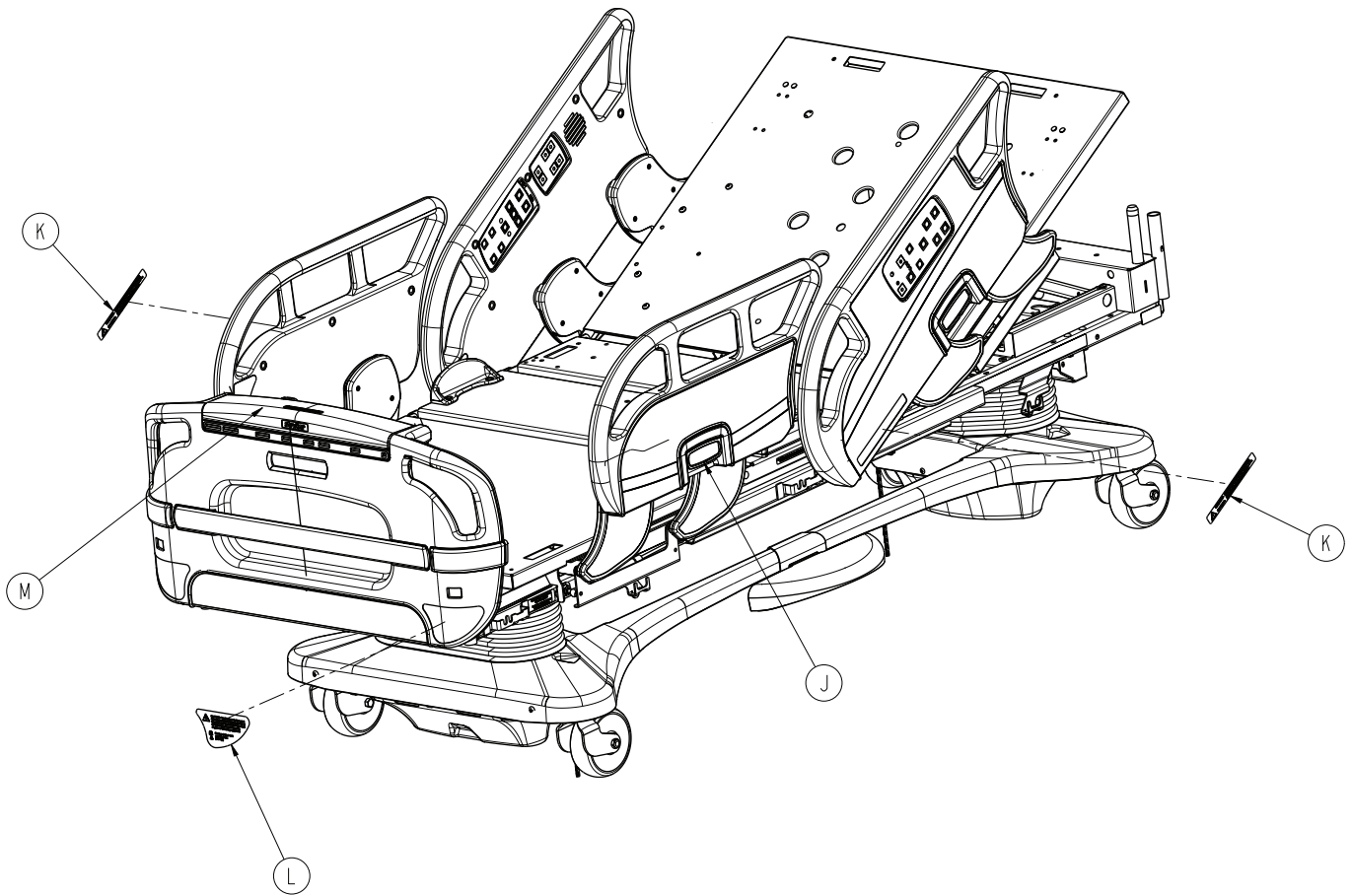
Pendant port	
8	TV channel up
9	Backlight
10	Audio (+)
11	Gatch up/Fowler in/foot up/DMS firm
12	Gatch down/Fowler out/foot out/DMS soft
13	Fowler up/Trendelenburg in
14	Fowler down/Trendelenburg out
15	Audio shield
16	Not used - socket filled
17	Bed up
18	Ground
19	Read light/bed down
20	Room light

Standard bed assembly, labels

3005-999-110 Rev AB (Reference only)



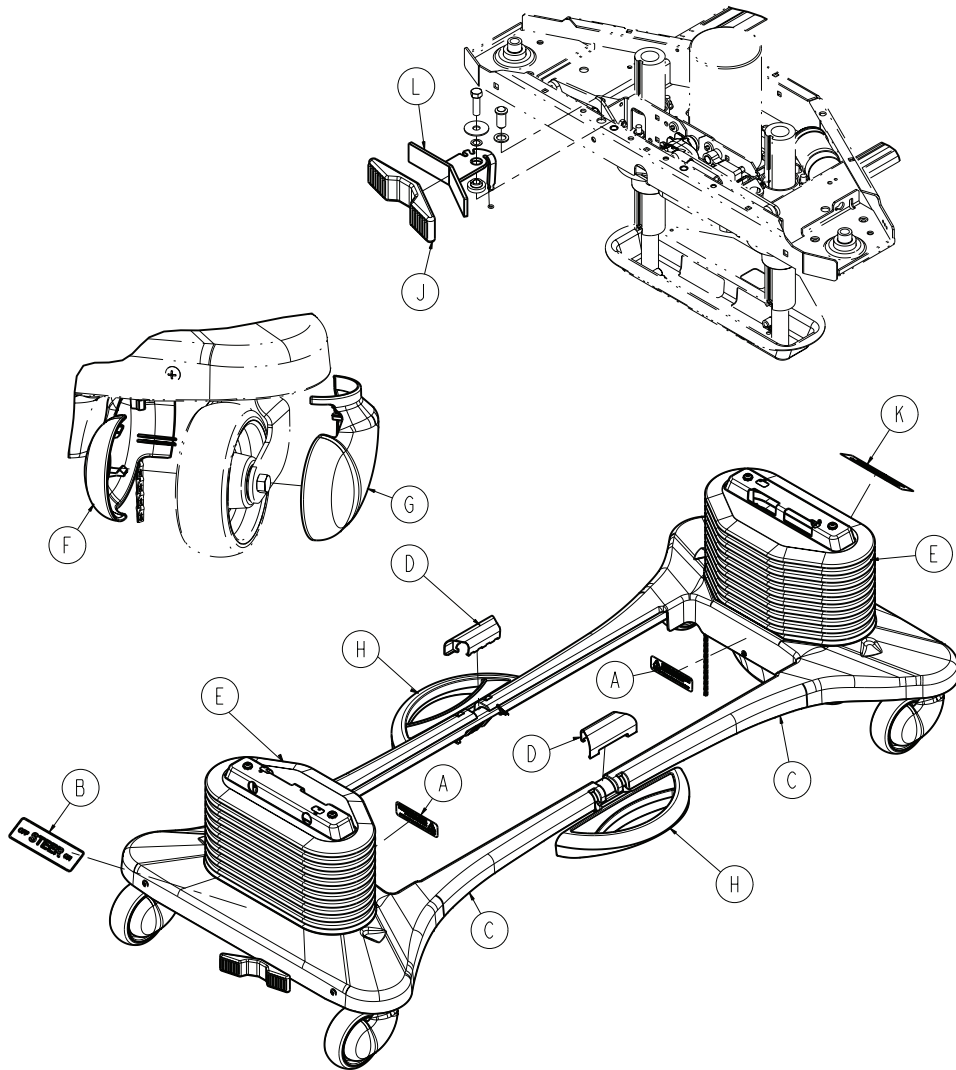


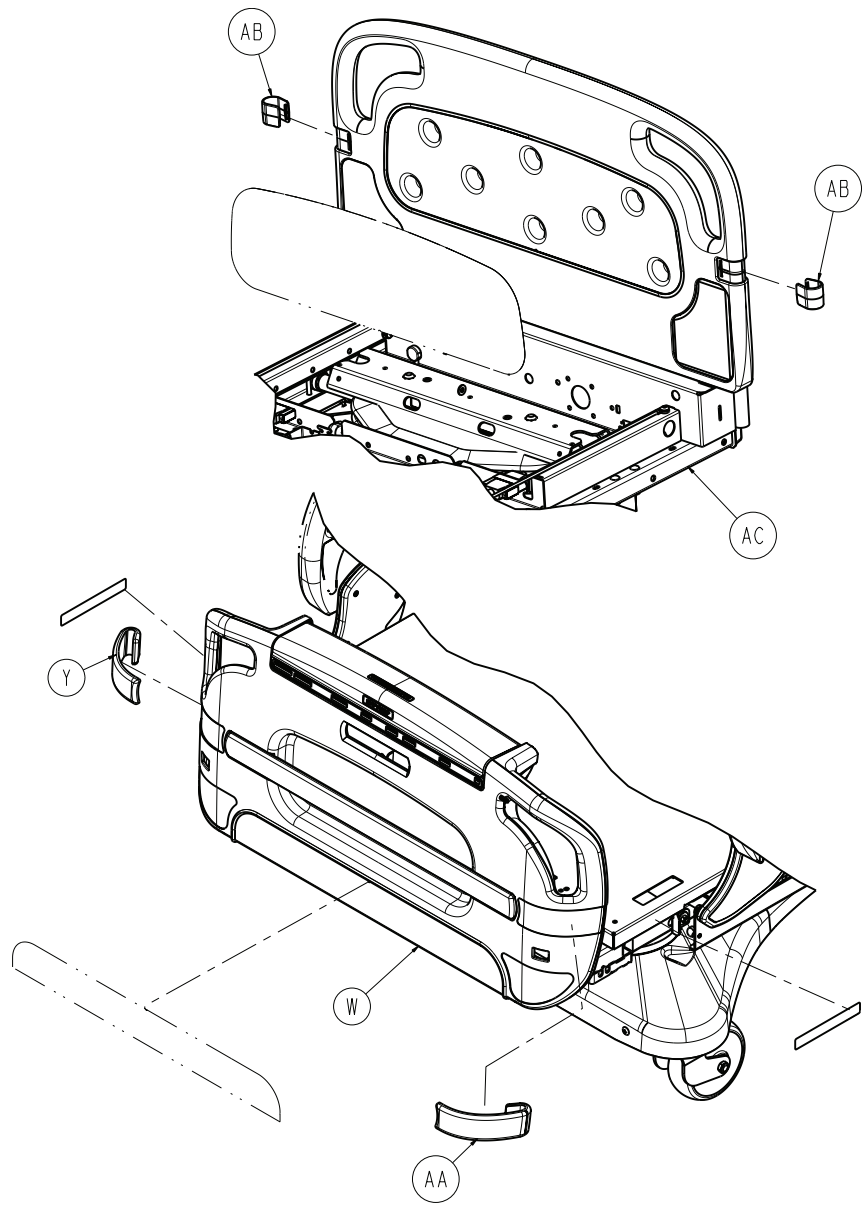


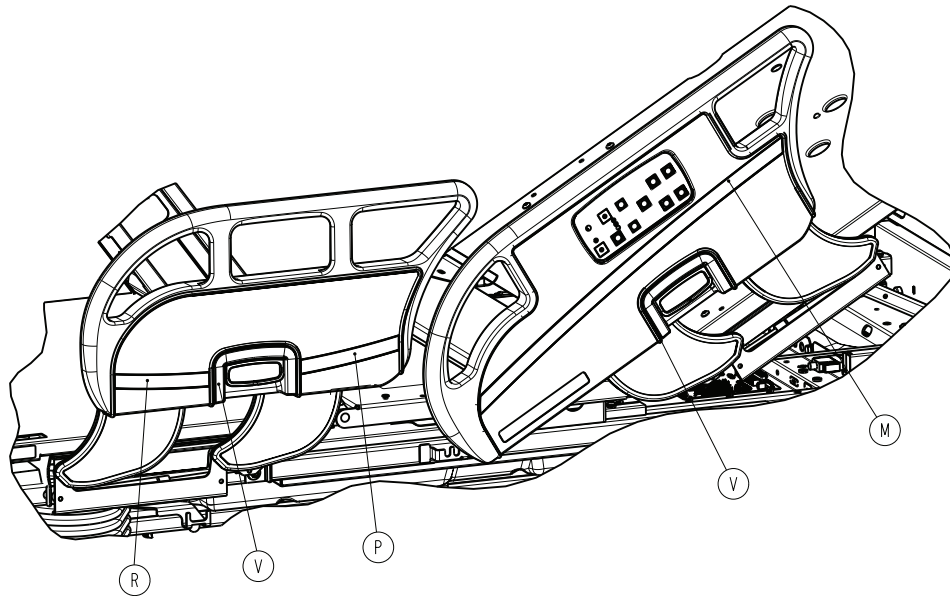
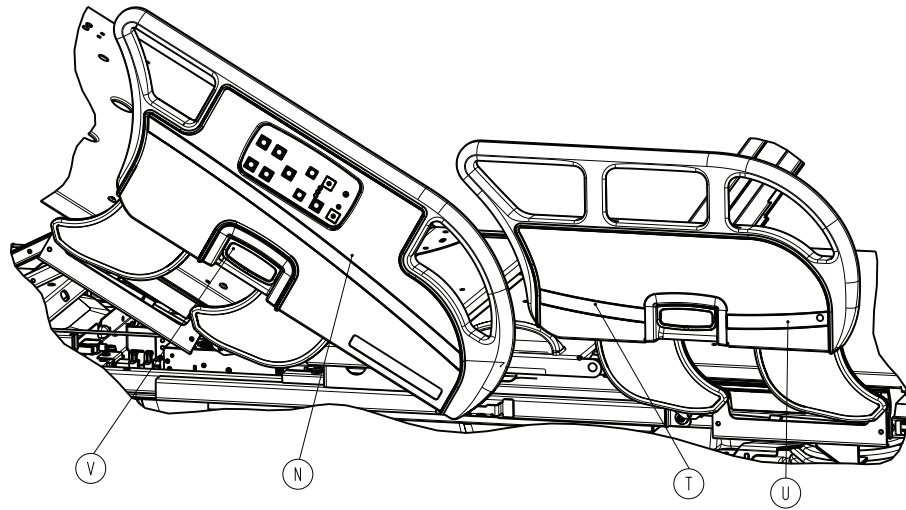
Item	Number	Name	Quantity
A	3006-002-708	Label, shock hazard	2
B	3006-088-820	Label, caution	2
C	3006-090-100	Label, 500 lb max.	2
D	3006-200-601	Label, brake pedal	2
E	3006-300-601	Label, Foley bag hook	2
F	3006-300-602	Label, Fowler elevation angle	1
G	3006-300-603	Label, CPR release	2
J	3006-400-570	Release handle assembly - 3006-400-570 (page 185)	4
K	3006-400-656	Label, warning	2
L	3006-508-010	Label, oxygen warning	1
M	3006-501-011	Footboard module assembly (page 206)	1
P	5212-100-807	Label, caution	1
R	3005-001-910	Label, specification	1

Bed assembly, colored components, standard bed

3005-999-100 Rev C (Reference only)





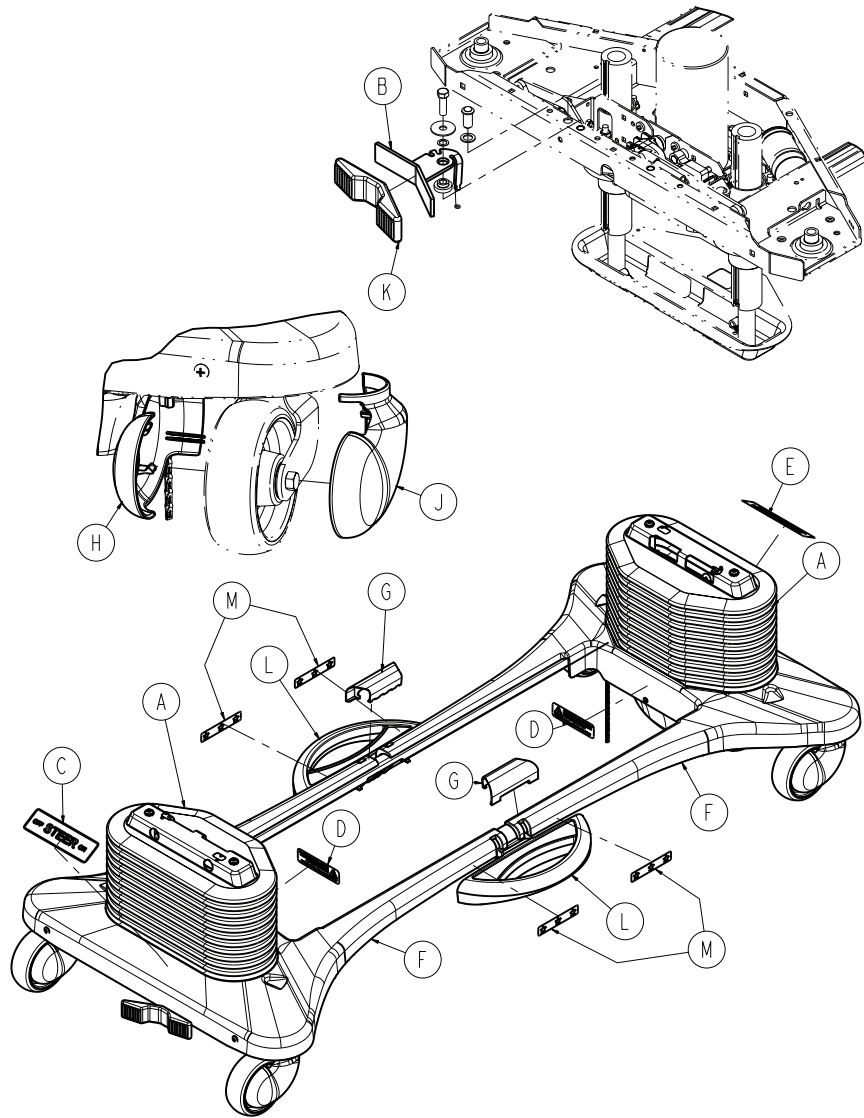


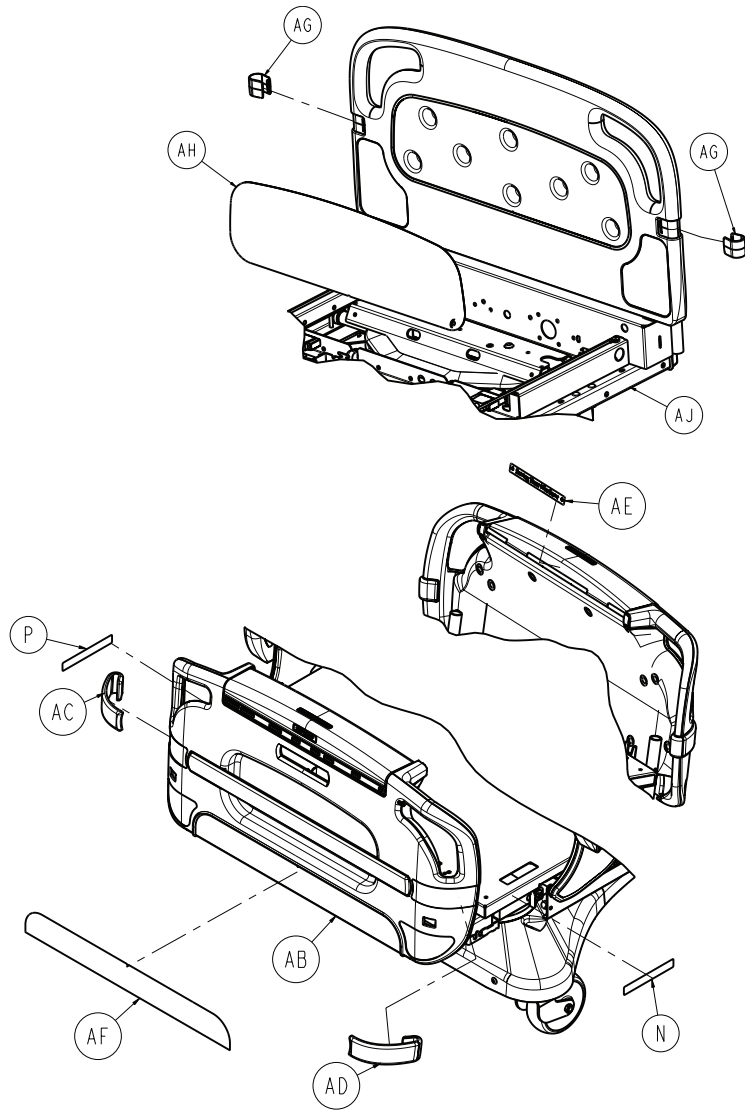
Item	Number	Name	Quantity
A	3006-002-708	Label, shock hazard	2
B	3006-090-013	Label, steer lock	1
C	3006-200-009	Uni-pan cover	2
D	3006-200-011	Uni-pan cover clip	2
E	3006-200-012	Bellows	2
F	3006-200-138	6" caster cover, left	4
G	3006-200-139	6" caster cover, right	4
H	3006-200-340	<i>Brake shaft assembly, standard bed</i> (page 108)	2
J	3006-200-336	Steer pedal cover, blue	1
K	3006-200-602	Label, base logo	1
L	3006-201-371	Steer pedal arm assembly, white	1

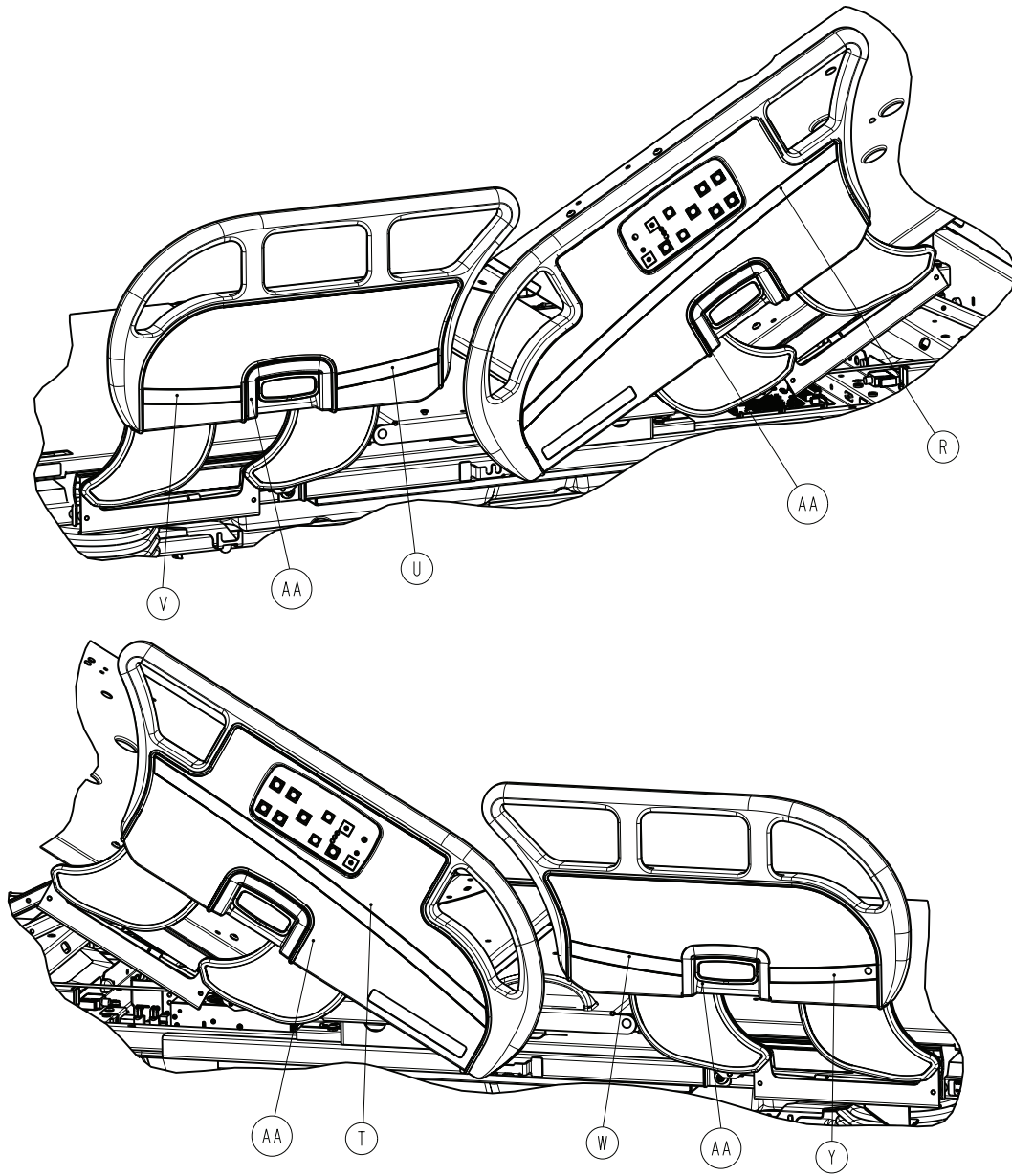
Item	Number	Name	Quantity
M	3006-400-106	Label, siderail, head end, left	1
N	3006-400-206	Label, siderail, head end, right	1
P	3006-400-301	Label, siderail, foot end, back, left	1
R	3006-400-302	Label, siderail, foot end, front, left	1
T	3006-400-401	Label, siderail, foot end, back, right	1
U	3006-400-402	Label, siderail, foot end, front, right	1
V	3006-400-533	Release handle accent panel	4
W	3006-500-010	Footboard pump rack assembly	1
Y	3006-500-017	Footboard bumper, right	1
AA	3006-500-018	Footboard bumper, left	1
AB	3005-600-020	Headboard accent clip, blue	2
AC	3005-999-110	<i>Standard bed assembly, labels</i> (page 64)	1

Bed assembly, colored components, patriot blue

3005-960-100 Rev D (Reference only)





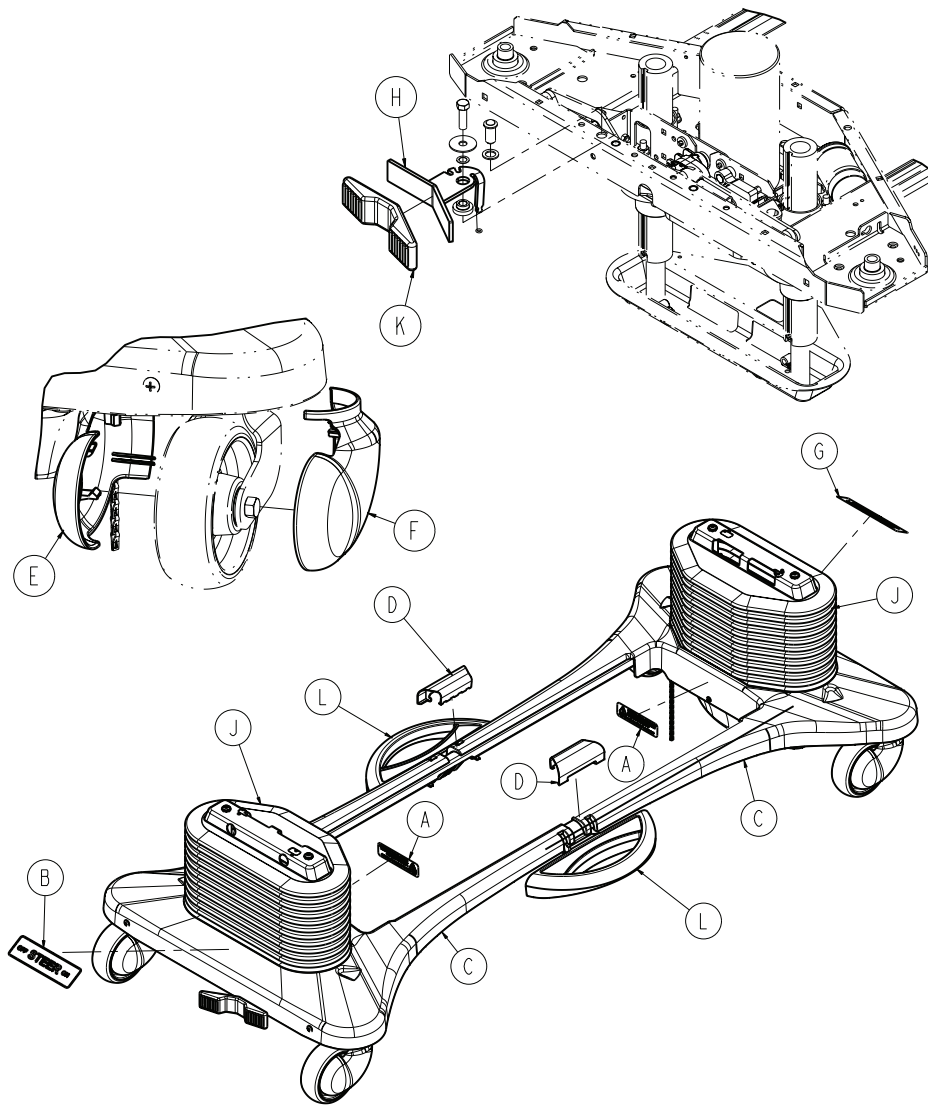


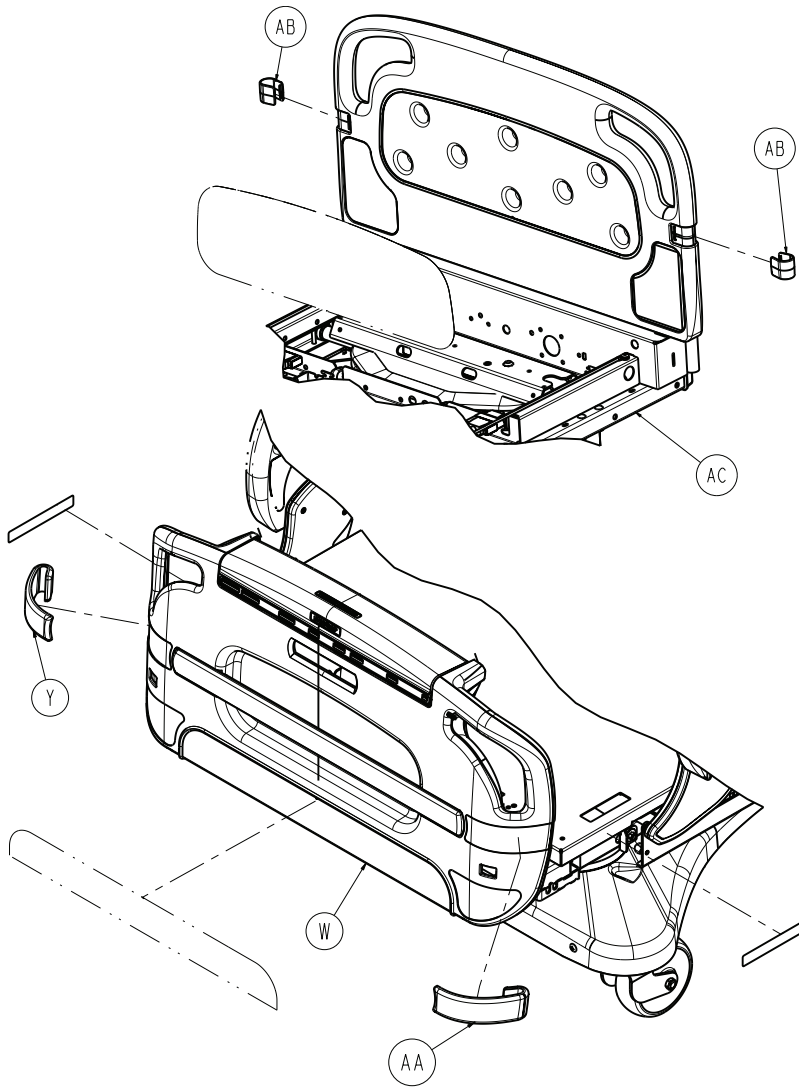
Item	Number	Name	Quantity
A	2030-001-103	Bellows	2
B	3006-201-371	Steer pedal arm assembly, white	1
C	3006-060-013	Label, steer lock	1
D	3006-060-708	Label, shock hazard	2
E	3006-200-602	Label, base logo	1
F	3006-260-009	Uni-pan cover	2
G	3006-260-011	Uni-pan cover clip	2
H	3006-260-138	6" caster cover, left	4
J	3006-260-139	6" caster cover, right	4
K	3006-260-336	Steer pedal cover, blue	1

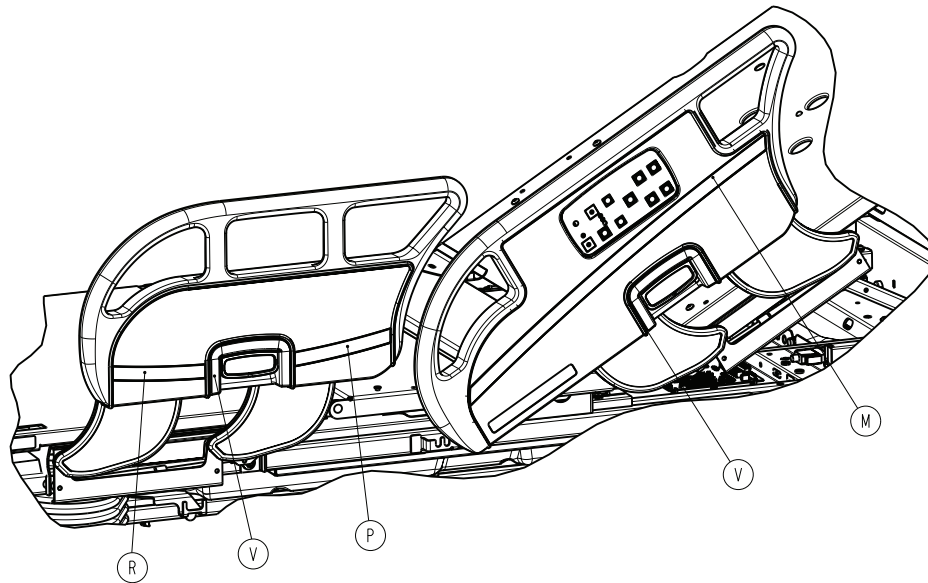
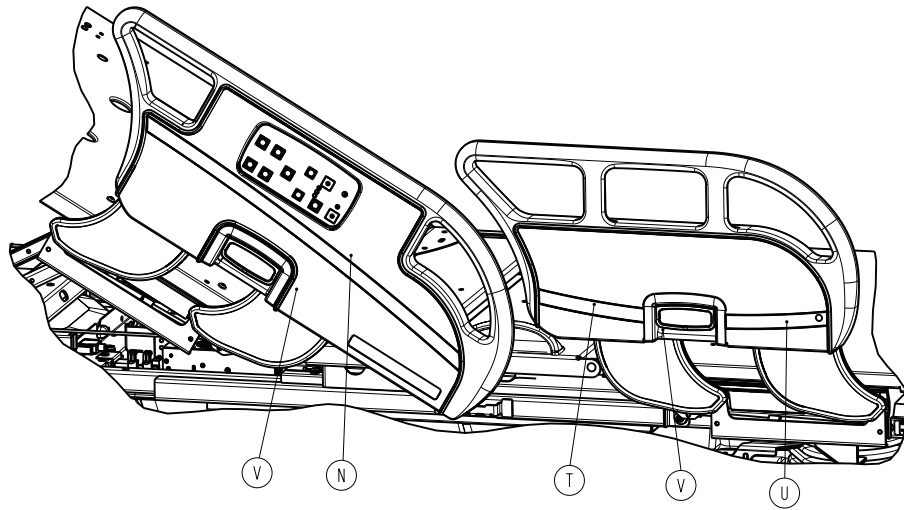
Item	Number	Name	Quantity
L	3006-206-340	Brake shaft assembly	2
M	3006-260-603	Label, base stars	4
N	3006-360-604	Label, united we stand, left	1
P	3006-360-605	Label, united we stand, right	1
R	3006-460-106	Label, siderail, head end, left	1
T	3006-460-206	Label, siderail, head end, right	1
U	3006-460-301	Label, siderail, foot end, back, left	1
V	3006-460-302	Label, siderail, foot end, front, left	1
W	3006-460-401	Label, siderail, foot end, back, right	1
Y	3006-460-402	Label, siderail, foot end, front, right	1
AA	3006-460-533	Release handle accent panel	4
AB	3006-560-010	Footboard pump rack assembly	1
AC	3006-560-017	Footboard bumper, right	1
AD	3006-560-018	Footboard bumper, left	1
AE	3006-560-031	Label, serving those who serve	1
AF	3006-560-032	Label, footboard accent panel	1
AG	3005-660-020	Headboard accent clip, patriot blue	2
AH	3006-660-452	Label, headboard accent panel	1

Bed assembly, colored components, signature sand

3005-971-100 Rev C (Reference only)





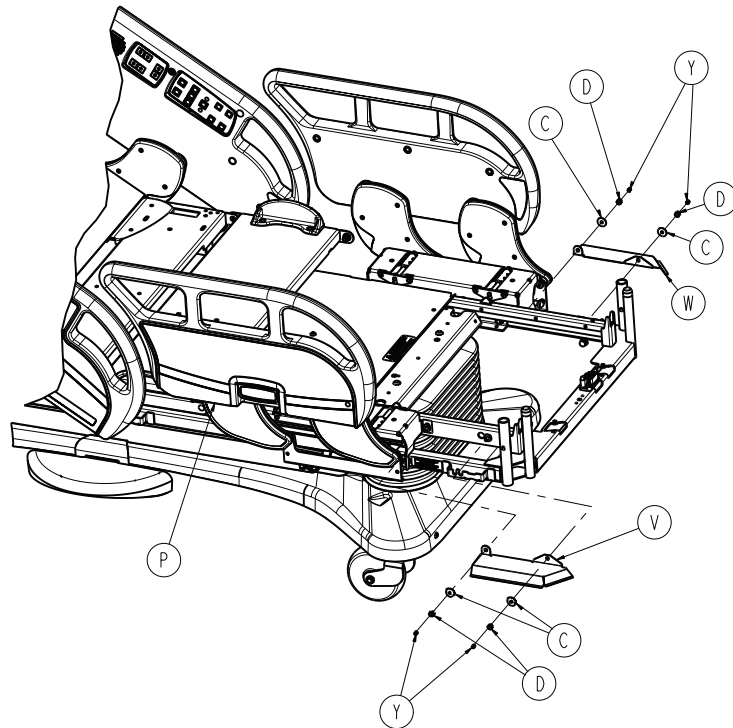
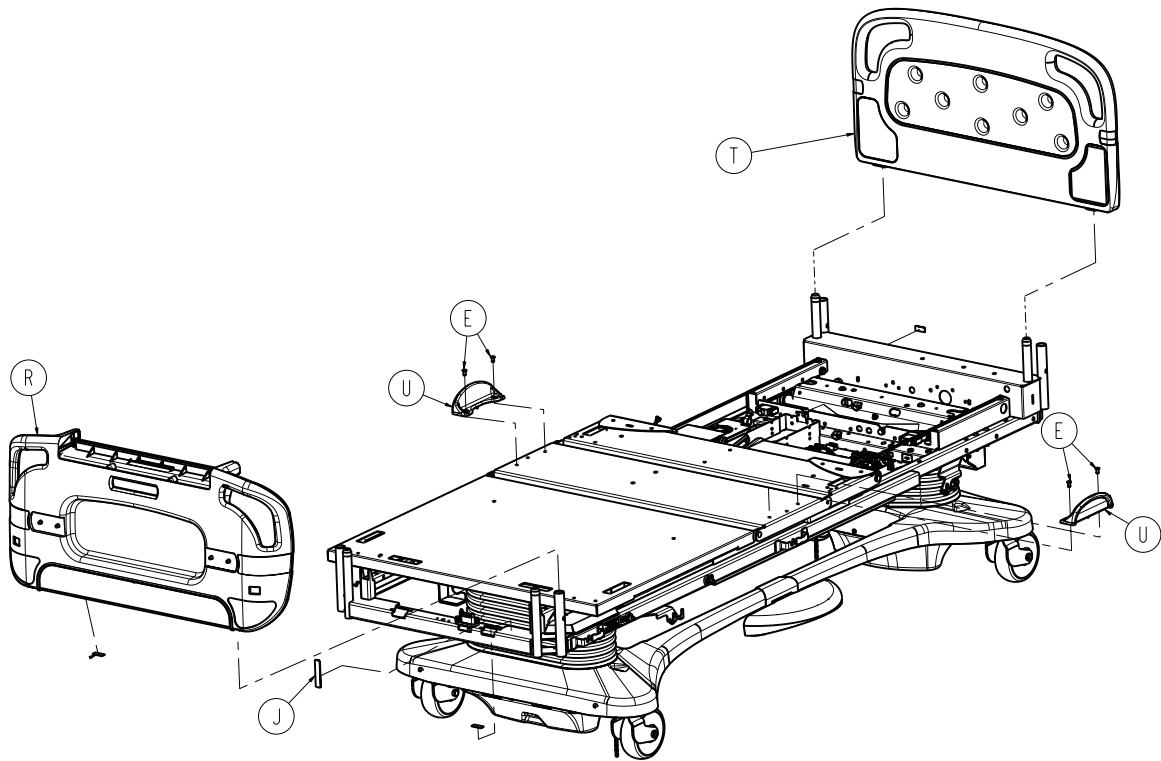


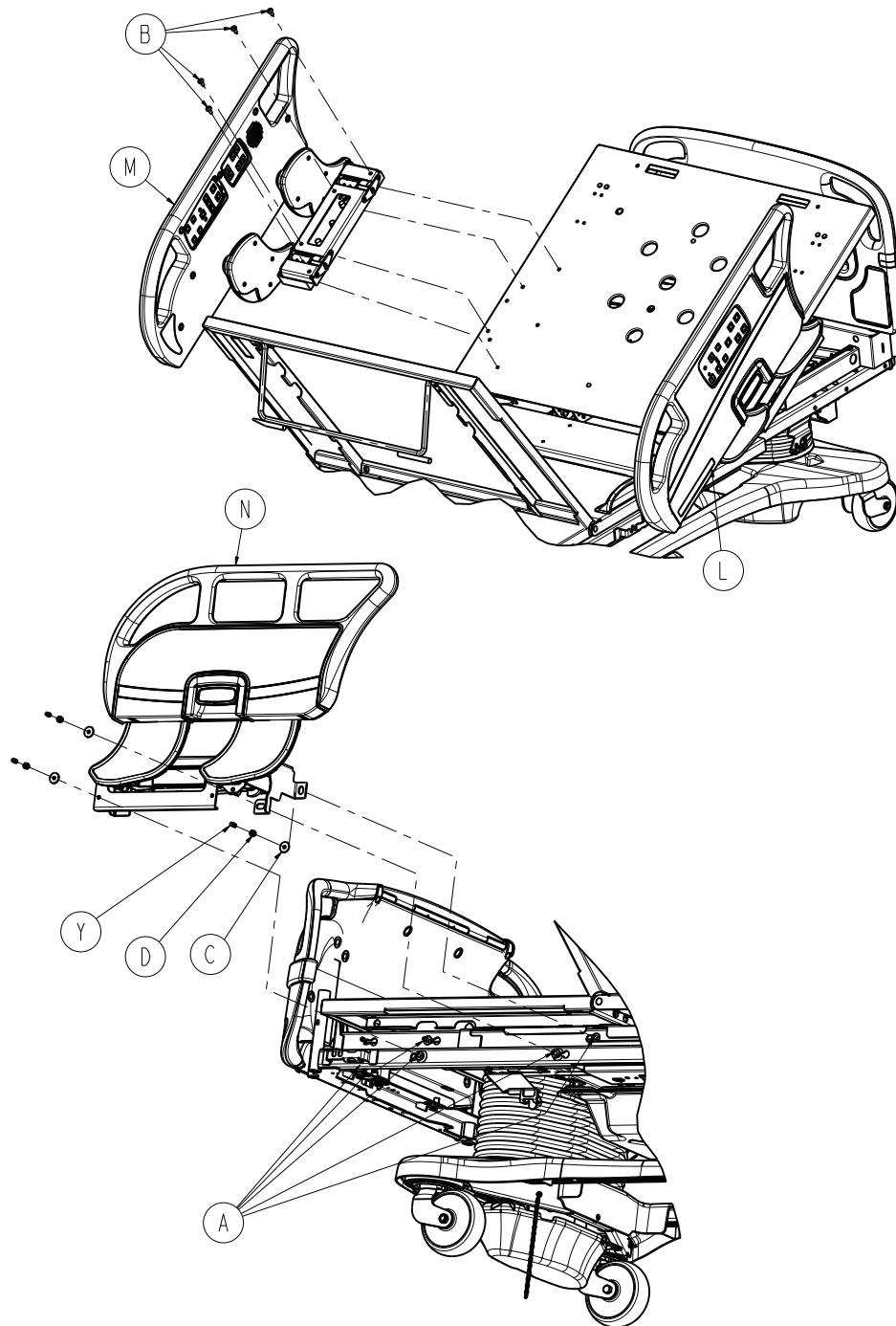
Item	Number	Name	Quantity
A	3006-002-708	Label, shock hazard	2
B	3006-071-013	Label, steer lock	1
C	3006-200-009	Uni-pan cover	2
D	3006-200-011	Uni-pan cover clip	2
E	3006-200-138	6" caster cover, left	4
F	3006-200-139	6" caster cover, right	4
G	3006-200-602	Label, base logo	1
H	3006-201-371	Steer pedal arm assembly, white	1
J	3006-271-012	Bellows	2
K	3006-271-336	Steer pedal cover, sand white	1
L	3006-271-340	Brake shaft assembly	2
M	3006-471-106	Label, siderail, head end, left	1

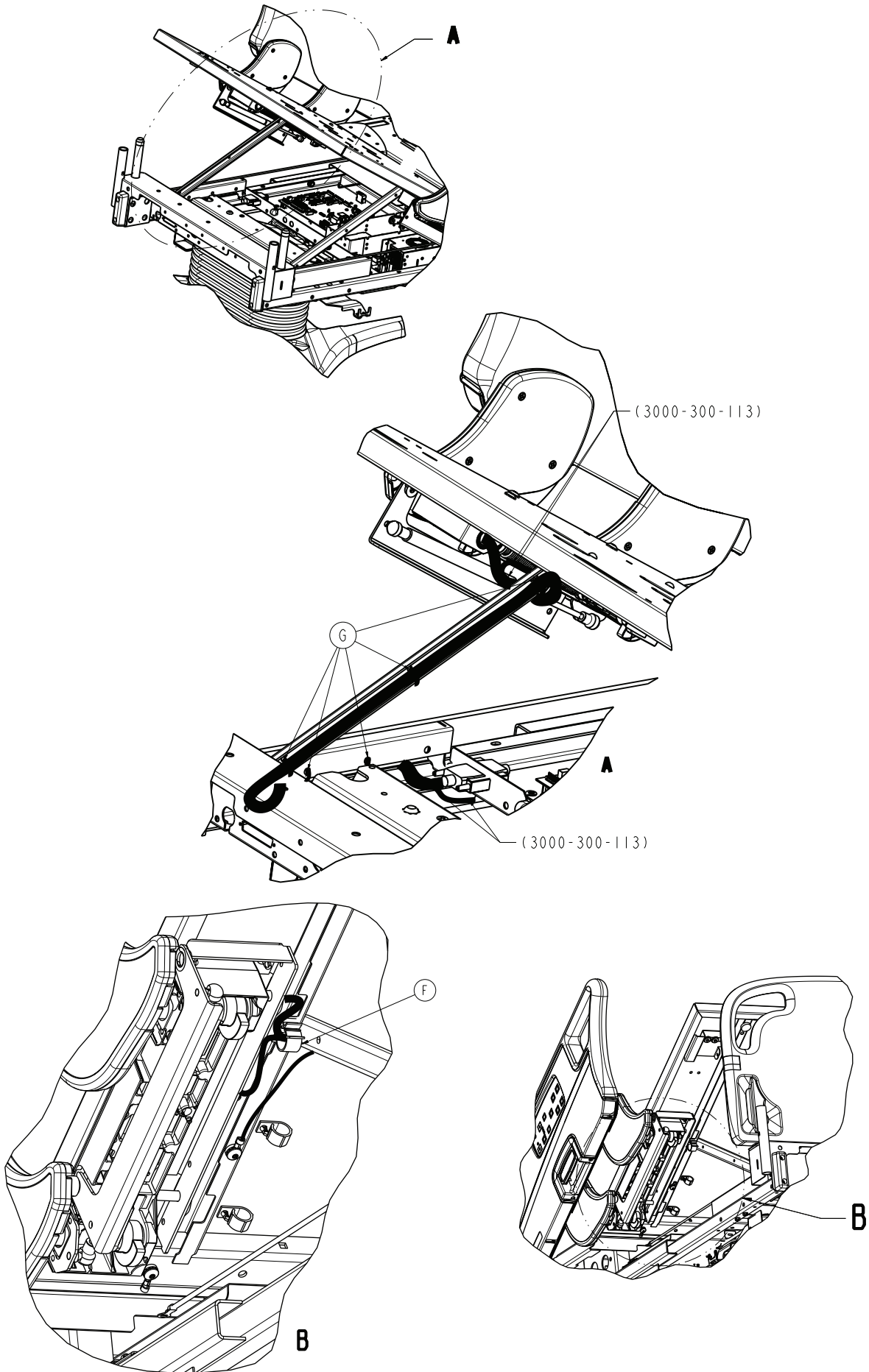
Item	Number	Name	Quantity
N	3006-471-206	Label, siderail, head end, right	1
P	3006-471-301	Label, siderail, foot end, back, left	1
R	3006-471-302	Label, siderail, foot end, front, left	1
T	3006-471-401	Label, siderail, foot end, back, right	1
U	3006-471-402	Label, siderail, foot end, front, right	1
V	3006-471-533	Release handle accent panel	4
W	3006-571-010	Footboard pump rack assembly	1
Y	3006-571-017	Footboard bumper, right	1
AA	3006-571-018	Footboard bumper, left	1
AB	3005-671-020	Headboard accent clip, sand white	2
AC	3005-999-110	<i>Standard bed assembly, labels (page 64)</i>	1

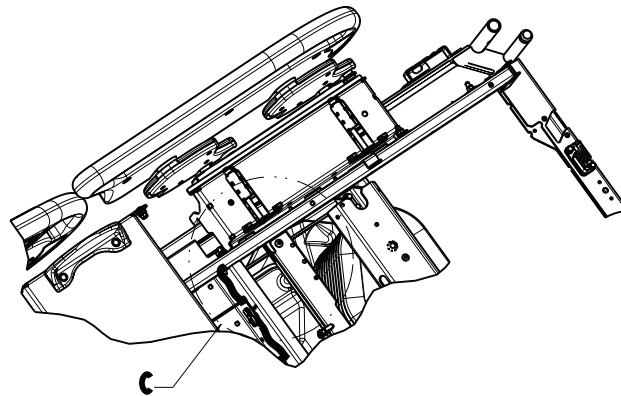
Bed assembly, standard bed

3005-043-102 Rev AA (Reference only)

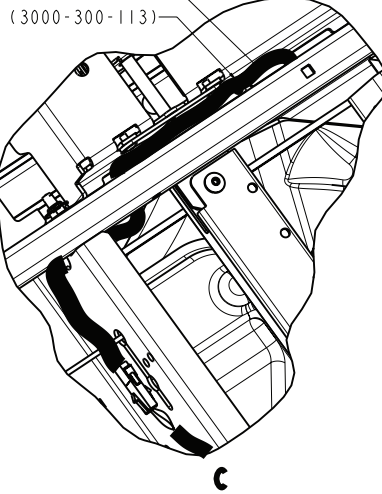








(3000-300-113)



(3000-300-113)

Item	Number	Name	Quantity
A	0005-049-000	Flat head square neck bolt assembly	10
B	0007-065-000	Truss head screw	8
C	0011-180-000	Washer	10
D	0016-028-000	Fiberlock hex nut	10
E	0025-120-000	Rivet	4
F	0059-126-000	Push-mount wire clip	2
G	3000-300-113	8" cable tie	10
H	3000-300-625	Label, dom	1
J	3000-300-641	Label, ground	1
K	3005-343-002	Litter assembly, standard bed (page 118)	1
L	3005-400-100	Head end siderail assembly (page 158)	1
M	3005-400-200	Head end siderail assembly (page 158)	1
N	3005-400-300	Foot end siderail assembly (page 191)	1
P	3005-400-400	Foot end siderail assembly (page 191)	1

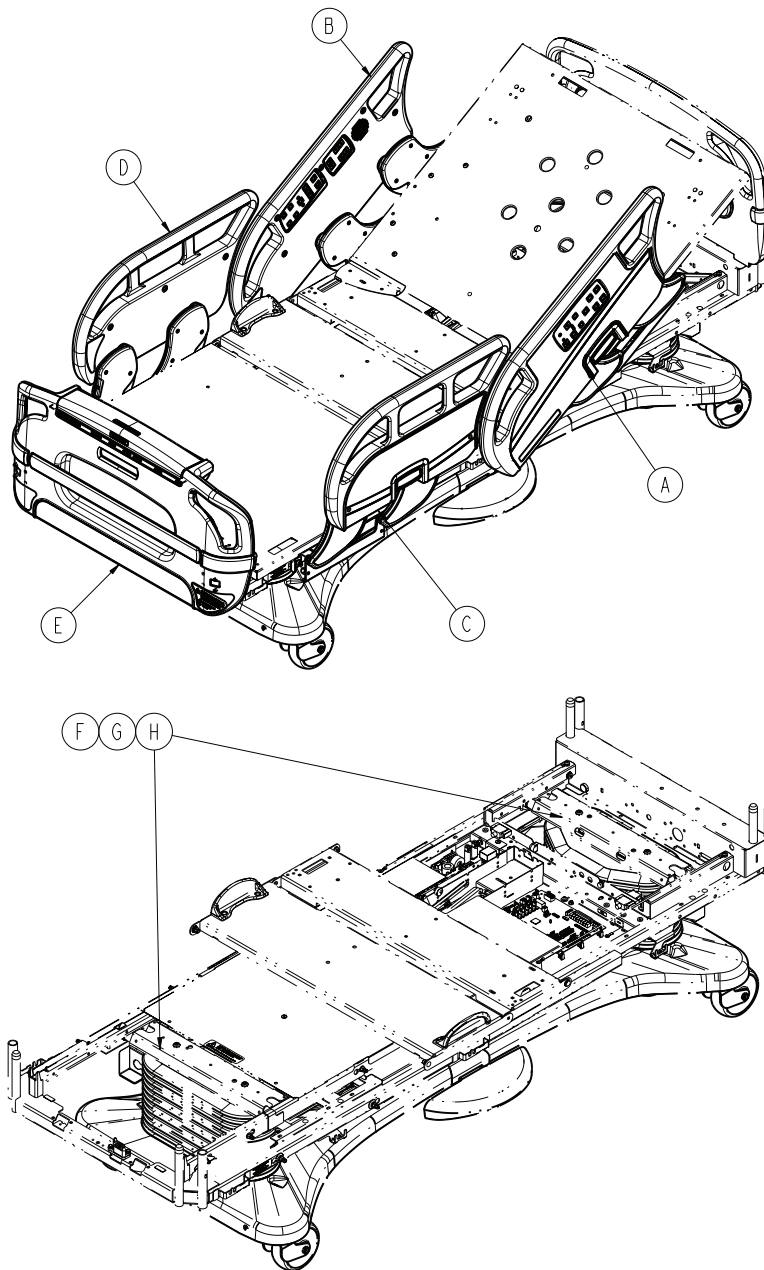
Item	Number	Name	Quantity
R	3005-500-000	<i>Footboard assembly, standard components (page 201)</i>	1
T	3005-600-000	Headboard assembly	1
U	3006-300-033	Mattress retainer	2
V	3006-300-275	Shield, right	1
W	3006-300-276	Shield, left	1
Y	3006-400-493	Stud cap	10

Bed assembly, iBed Awareness option (scale, Bed Exit, and zone control)

3005-999-201 Rev A (Blue) (Reference only)

3005-960-201 Rev A (Patriot)

3005-970-201 Rev A (Sand)



Item	Number	Name	Quantity
A	3005-400-100	Head end siderail assembly (page 158)	1
B	3005-400-200	Siderail assembly, iBed Awareness option, HE, right (page 187)	1

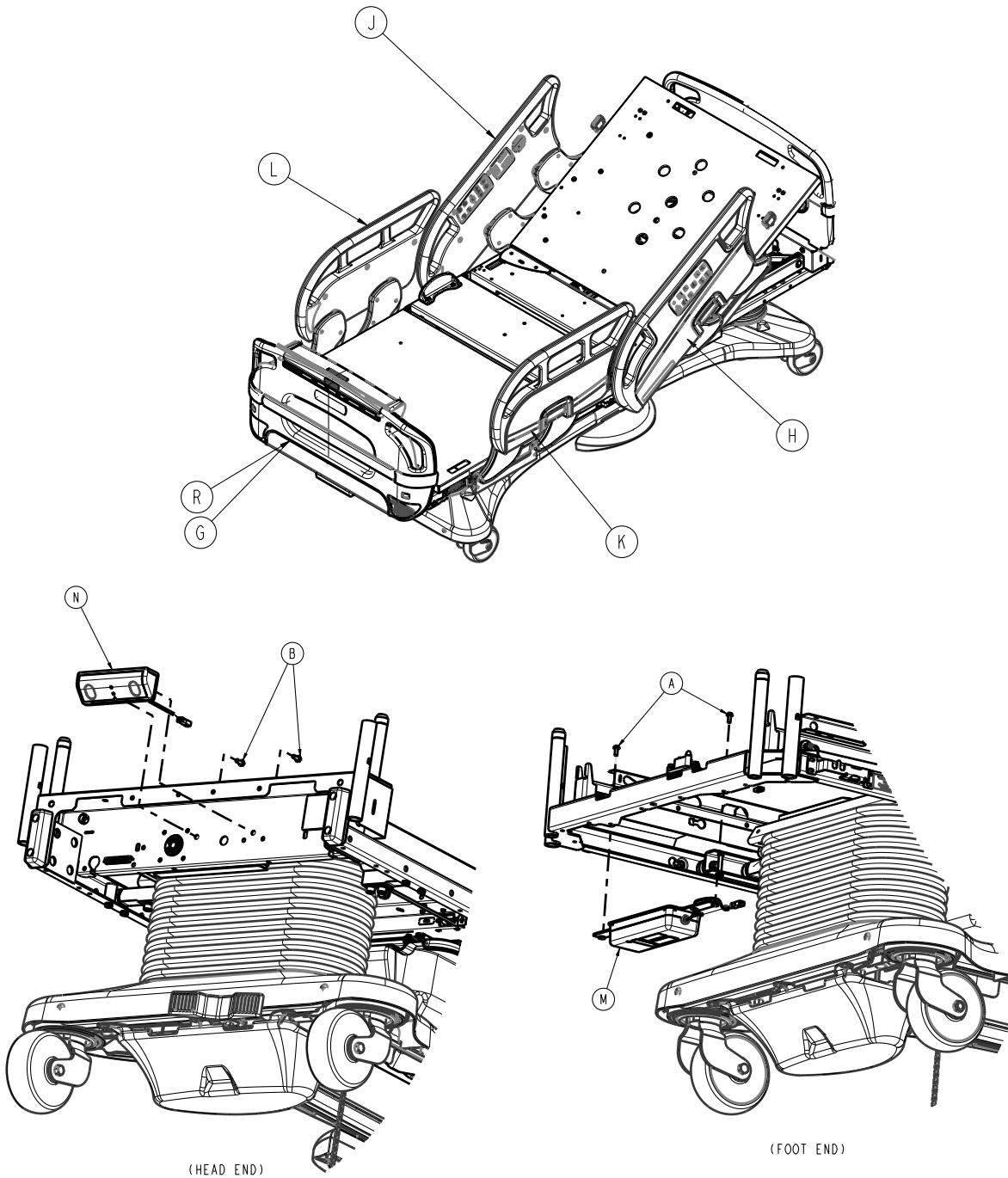
Item	Number	Name	Quantity
C	3006-400-305	<i>Siderail assembly, iBed Awareness option, foot end, left – 3006-400-305 (page 198)</i>	1
D	3006-400-405	<i>Siderail assembly, iBed Awareness option, foot end, right - 3006-400-405 (page 199)</i>	1
E	3006-500-100	<i>Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (page 203) (blue)</i>	1 or
	3006-560-100	<i>Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (patriot)</i>	1 or
	3006-571-100	<i>Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (sand)</i>	1 or
F	3002-317-003	<i>Scale/Bed Exit option assembly (page 147)</i>	1
G	3006-326-501	<i>Lift header assembly with load cells/ isolated Foley bag hooks, foot end (page 138)</i>	1
H	3006-307-501	<i>Lift header assembly with load cells, head end (page 137)</i>	1

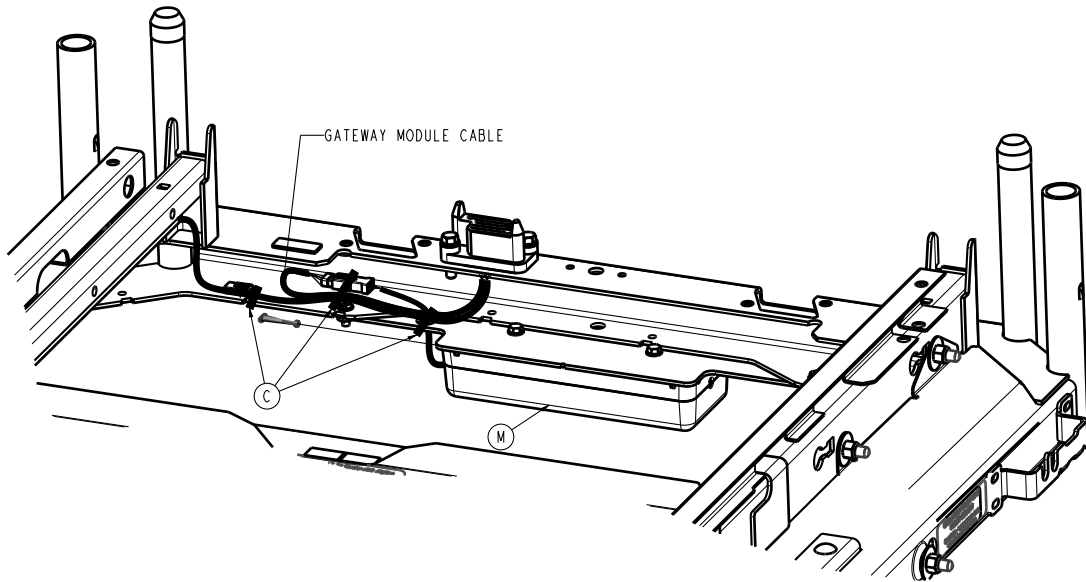
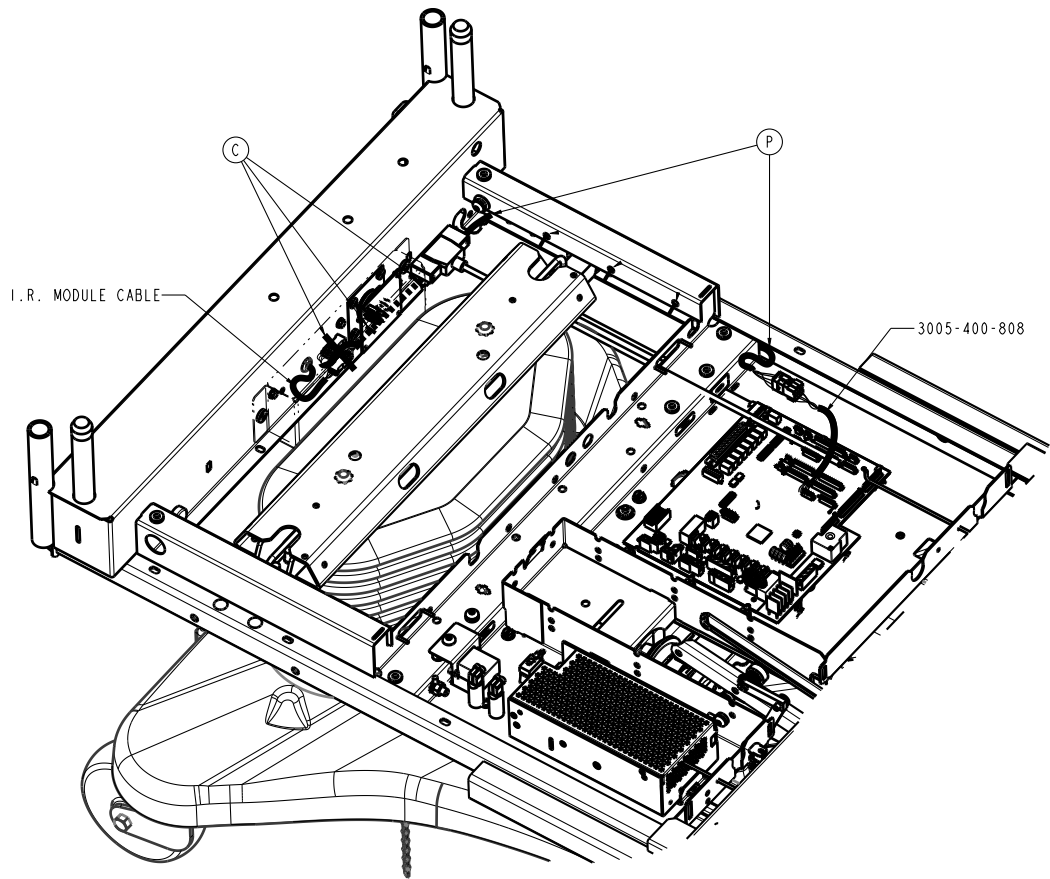
Bed assembly, iBed Wireless option

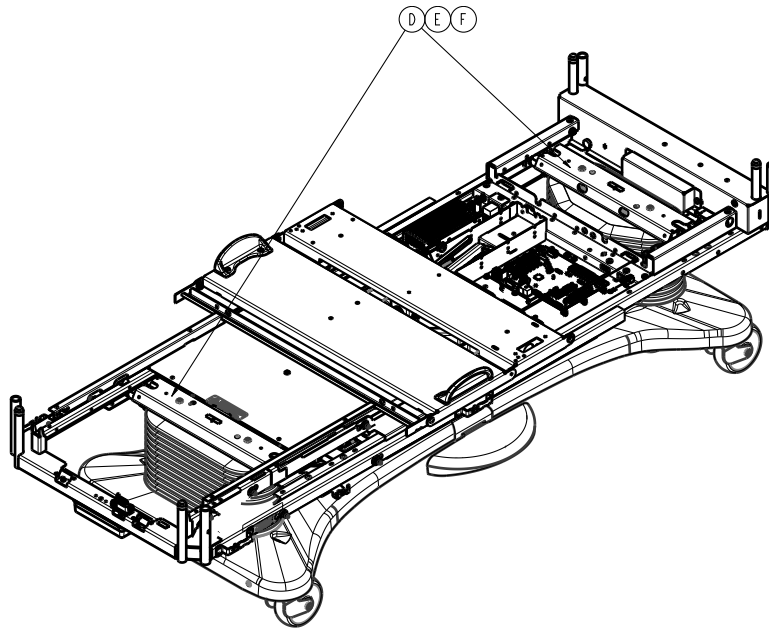
3005-999-205 Rev B (Blue) (Reference only)

3005-960-205 Rev AA (Patriot)

3005-971-205 Rev AA (Sand)







Item	Number	Name	Quantity
A	0003-402-000	Hex washer head machine screw	2
B	0023-126-000	Hex washer head hi-lo fastener	2
C	3000-300-113	8" cable tie	6
D	3002-317-003	Scale/Bed Exit option assembly	1
E	3006-307-501	Lift header assembly with load cells, head end (page 137)	1
F	3006-326-501	Lift header assembly with load cells/ isolated Foley bag hooks, foot end (page 138)	1
G	3006-500-100	Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (page 203) (blue)	1
	3006-560-100	Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (patriot)	1 or
	3006-571-100	Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (sand)	1 or
H	3006-400-100	Siderail assembly, iBed Awareness option, HE, left (page 186)	1
J	3006-400-200	Siderail assembly, iBed Awareness option, HE, right (page 187)	1
K	3006-400-305	Siderail assembly, iBed Awareness option, foot end, left – 3006-400-305 (page 198)	1
L	3006-400-405	Siderail assembly, iBed Awareness option, foot end, right - 3006-400-405 (page 199)	1

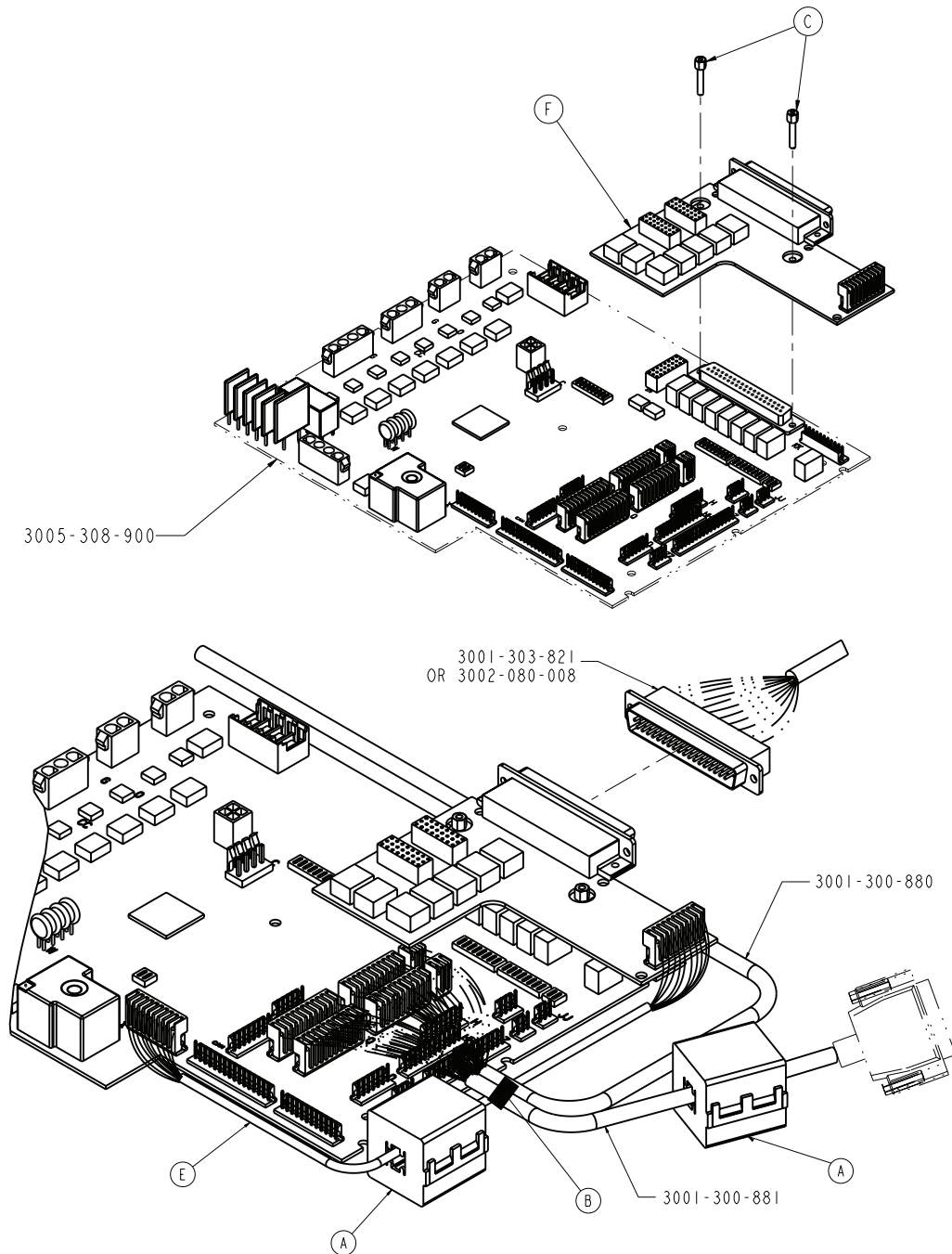
Item	Number	Name	Quantity
M	5212-400-013	Gateway 2.0 module assembly with bracket	1
N	5212-300-053	IR module assembly	1
P	5212-300-854	Cable, non-Zoom Gateway	1
R	3006-560-100	Footboard assembly, iBed Awareness scale, Bed Exit with zone control	1

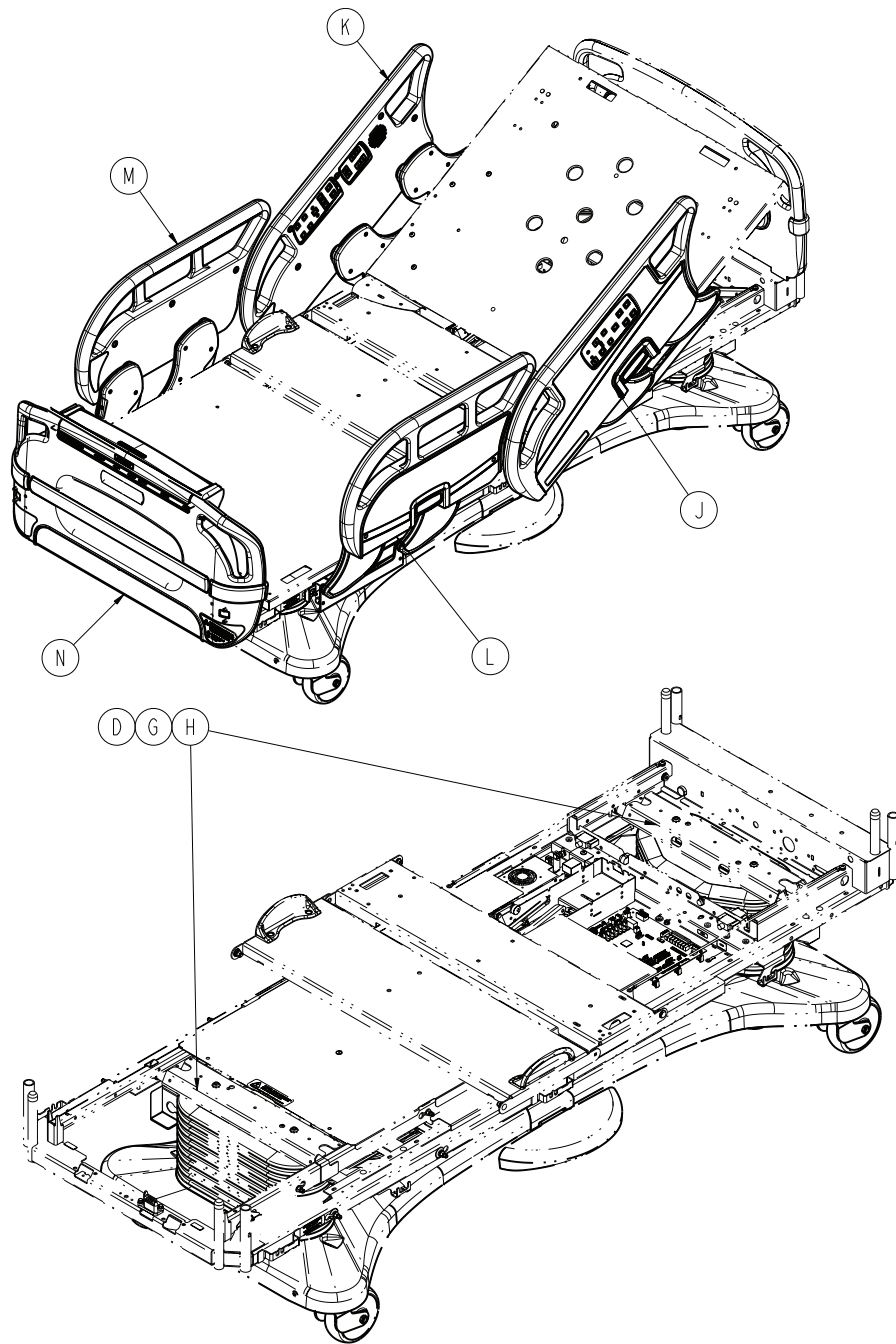
iBed Awareness assembly, enhanced (iBed Awareness option only)

3005-999-203 Rev B (Blue) (Reference only)

3005-960-203 Rev B (Patriot)

3005-971-203 Rev B (Sand)



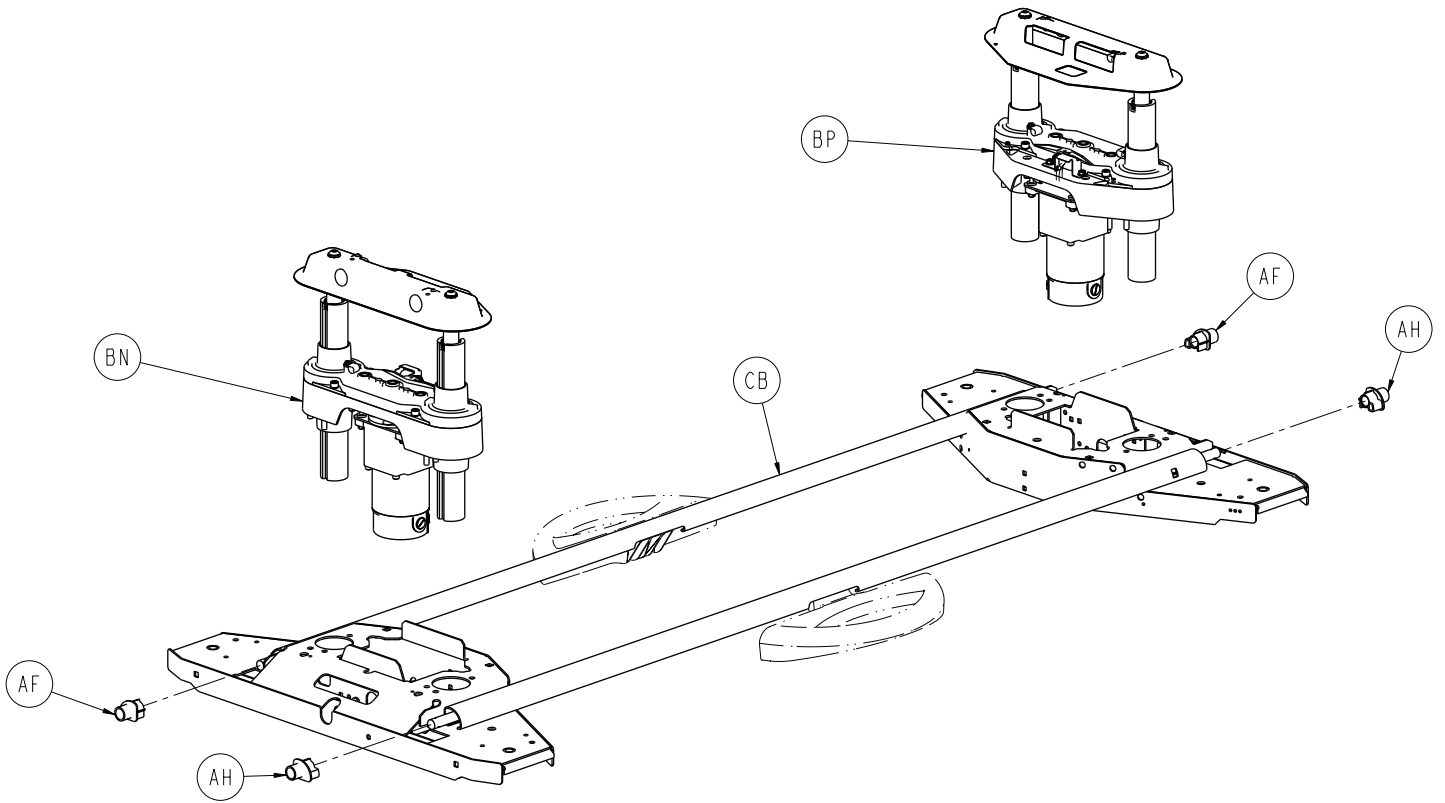


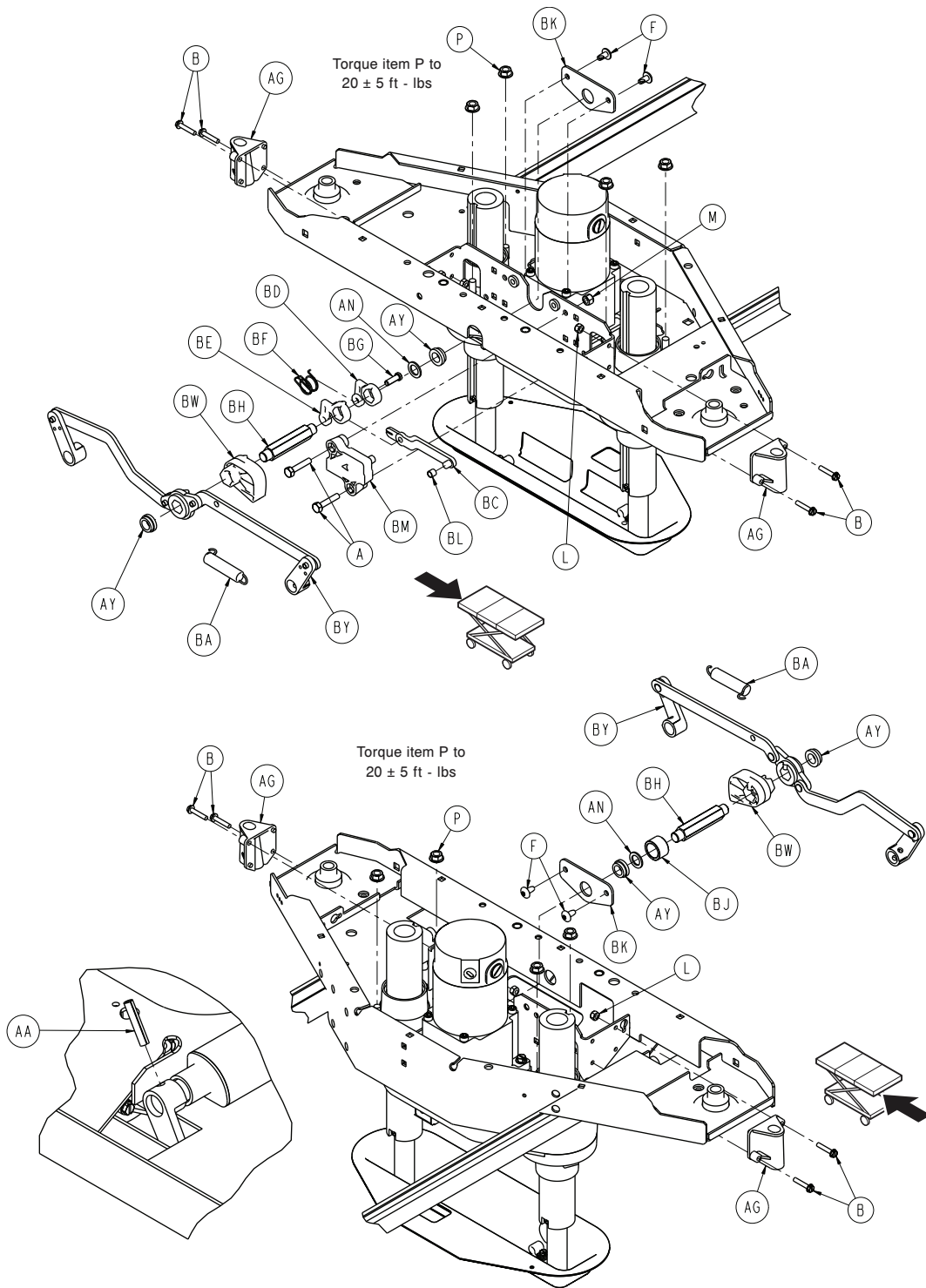
Item	Number	Name	Quantity
A	0059-144-000	Split ferrite	2
B	3000-300-113	8" cable tie	1
C	3001-300-007	Jackscrew	2
D	3002-317-003	Scale/Bed Exit option assembly (page 147)	
E	3006-303-800	iBed Awareness plugover board	
		Cable	1
F	3006-303-900	37-pin plugover board	1
G	3006-307-501	Lift header load cell assembly	
H	3006-326-501	Lift header assembly with load cells, head end (page 137)	
		With isolated Foley bag hooks	
J	3006-400-100	Siderail assembly, iBed Awareness option, HE, left (page 186)	1

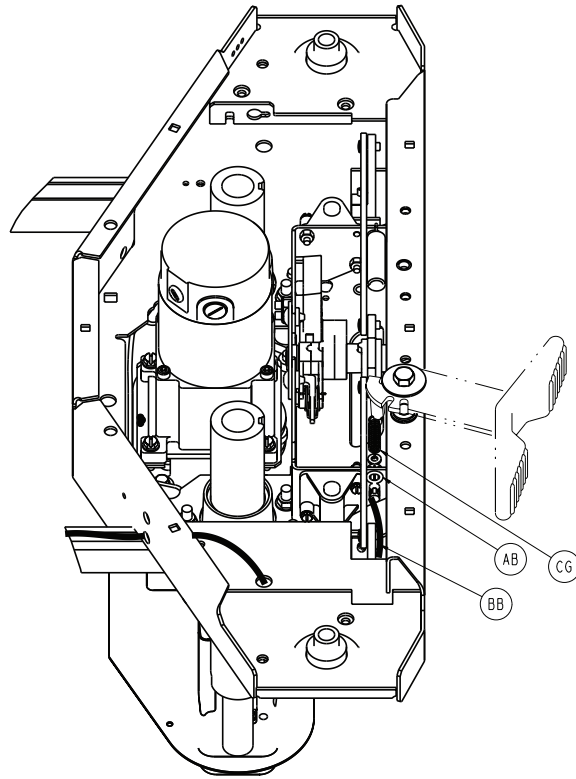
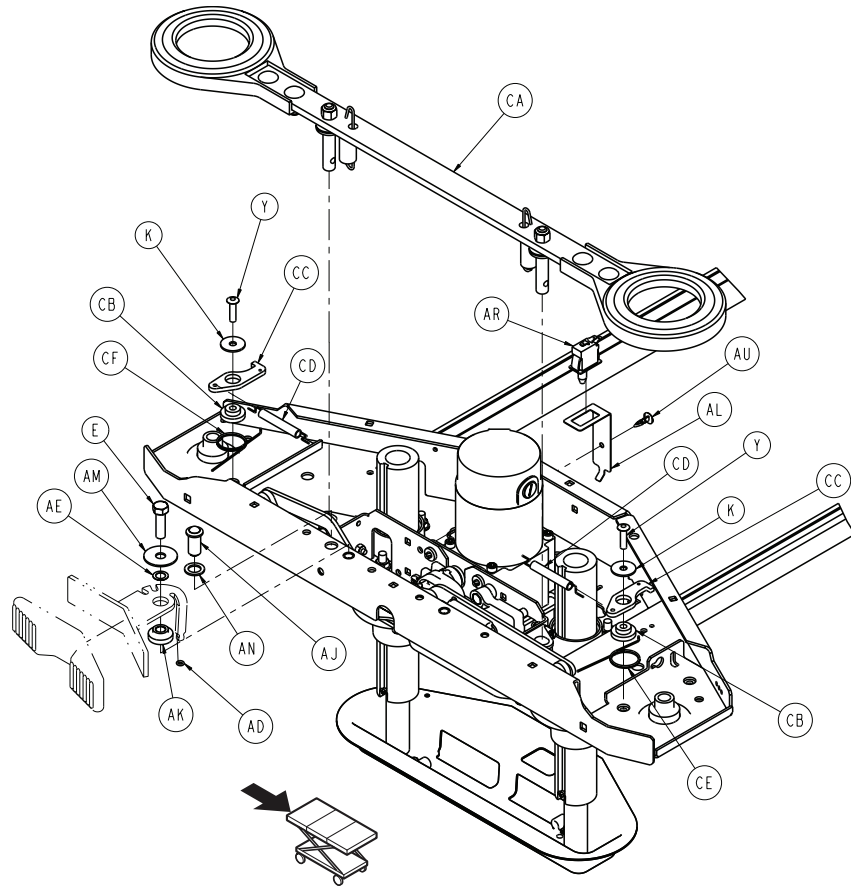
Item	Number	Name	Quantity
K	3006-400-200	<i>Siderail assembly, iBed Awareness option, HE, right (page 187)</i>	1
L	3006-400-305	<i>Siderail assembly, iBed Awareness option, foot end, left – 3006-400-305 (page 198)</i>	1
M	3006-400-405	<i>Siderail assembly, iBed Awareness option, foot end, right - 3006-400-405 (page 199)</i>	1
N	3006-500-100	<i>Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control) (page 203)</i>	1 or
	3006-560-100	Footboard assembly (patriot)	1 or
	3006-571-100	Footboard assembly (sand)	1

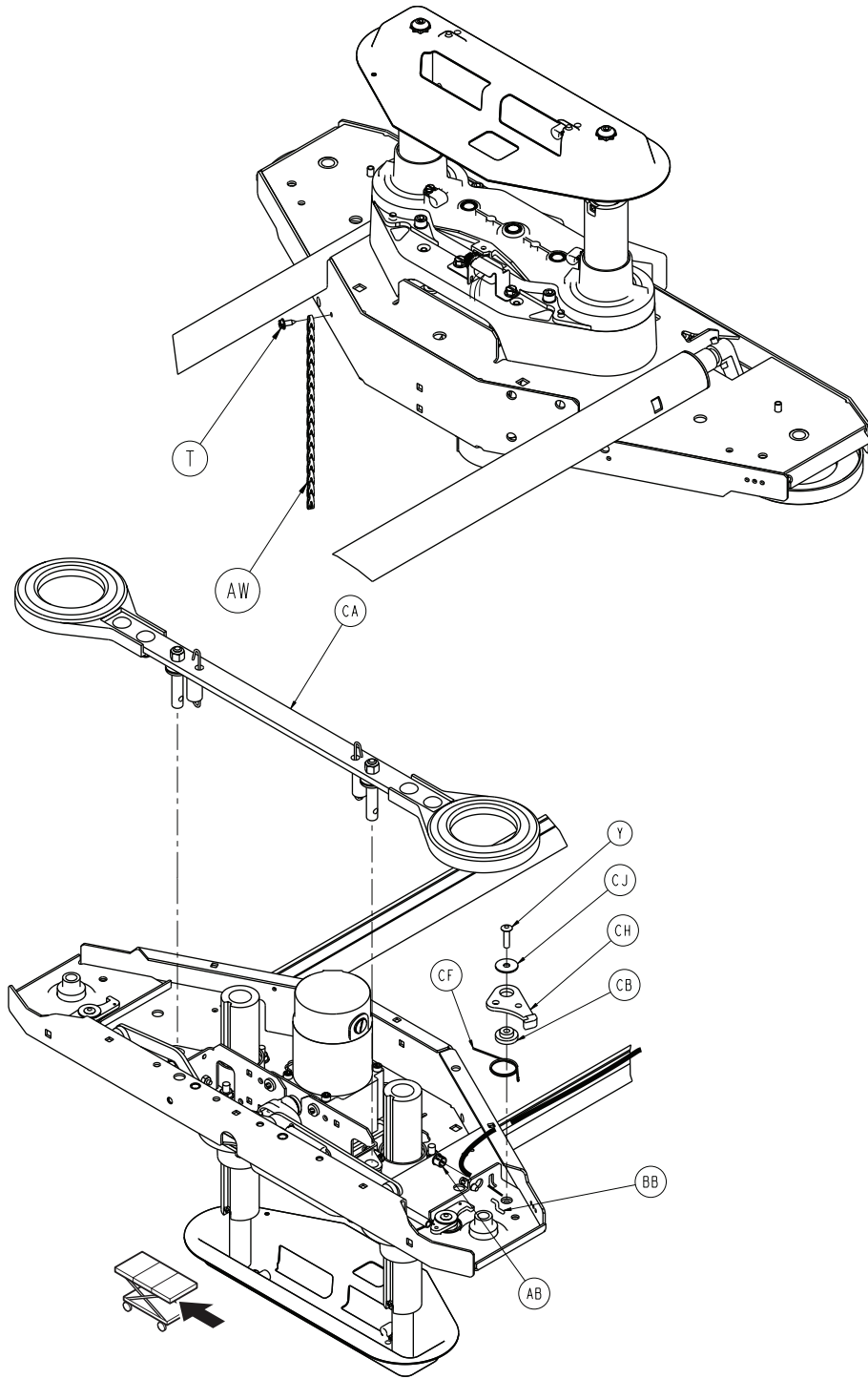
Base assembly, standard bed

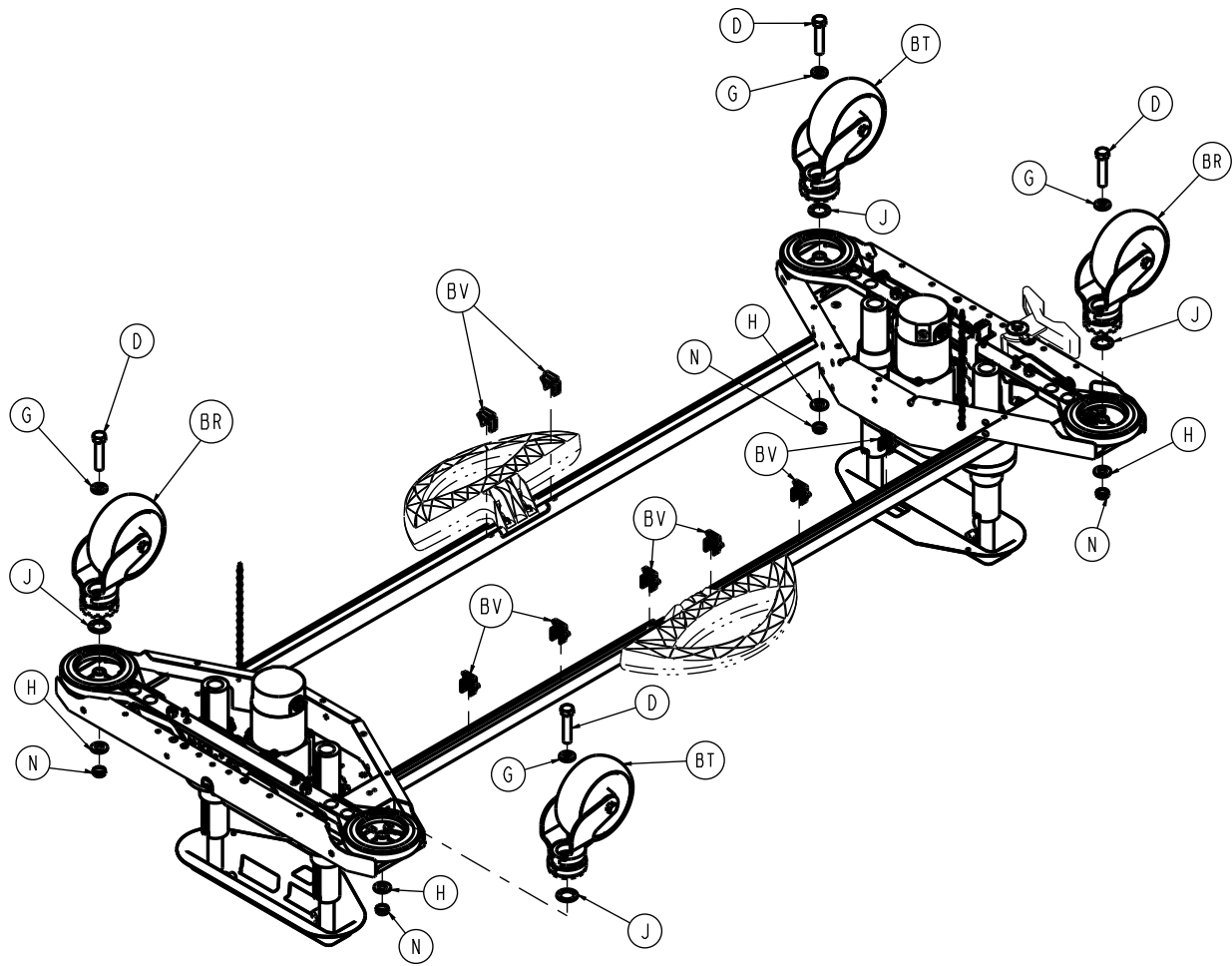
3005-200-003 Rev F (Reference only)

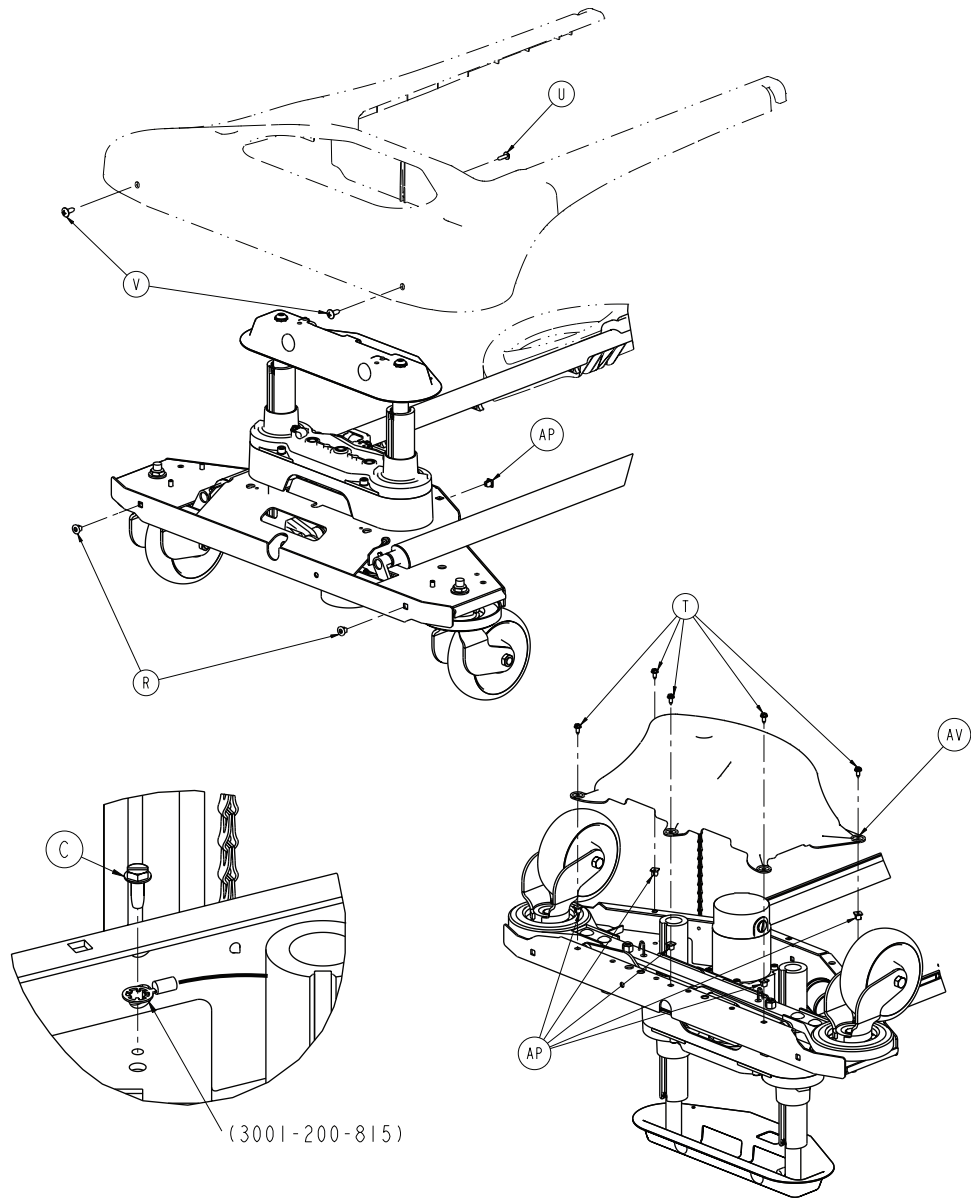












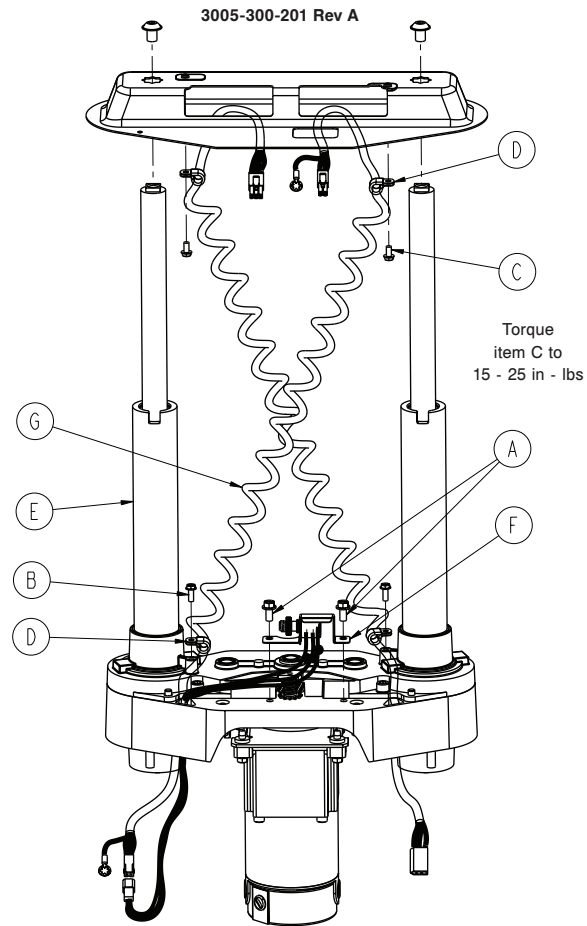
Item	Number	Name	Quantity
A	0003-074-000	Hex head cap screw	2
B	0003-122-000	Hex washer head screw	8
C	0003-224-000	Hex washer head screw	2
D	0003-333-000	Hex head cap screw	4
E	0003-349-000	Hex head cap screw	1
F	0007-052-000	Truss head torx screw	4
G	0011-310-000	Washer	4
H	0011-333-000	Washer	4
J	0011-343-000	Washer	4
K	0011-611-000	Washer	4
L	0016-002-000	Fiberlock hex nut	8

Item	Number	Name	Quantity
M	0016-028-000	Fiberlock hex nut	2
N	0016-049-000	Nylock hex nut	4
P	0016-098-000	Hex flange nut	8
R	0018-036-000	Plastic clip nut	4
T	0023-025-000	Hex washer head truss screw	12
U	0023-080-000	Truss head socket truss screw	2
V	0023-092-000	Truss head screw	4
Y	0025-191-000	Rivet	5
AA	0026-014-000	Roll pin	4
AB	0030-052-000	Heyco snap bushing	2
AD	0045-008-000	O-ring	1
AE	0052-305-000	Washer	1
AF	3000-200-305	Brake shaft bushing, right	2
AG	3000-200-328	Brake guide bushing	4
AH	3000-200-331	Brake shaft bushing, left	2
AJ	3000-200-337	Pushfit ball plunger	1
AK	3000-200-341	Steer pedal bushing	1
AL	3000-200-343	Brake switch bracket	1
AM	3000-200-348	Washer	1
AN	3000-200-349	Washer	3
AP	3000-300-002	Plastic clip nut	12
AR	3000-300-058	Plunger switch	1
AT	3000-300-113	Cable tie	4
AU	3000-300-115	Standoff	1
AV	3001-200-022	Bottom cover assembly	2
AW	3001-200-052	Grounding chain	2
AY	3001-200-317	Cam shaft brake bushing	4
BA	3001-200-334	Spring	2
BB	3001-200-342	Steer-lock cable	1
BC	3002-200-302	Brake ratchet link assembly	1
BD	3002-200-305	Brake ratchet crank, left	1
BE	3002-200-306	Brake ratchet crank, right	1
BF	3002-200-307	Brake latch spring	1
BG	3002-200-308	Brake ratchet crank pin	1

Item	Number	Name	Quantity
BH	3002-200-311	Brake shaft	2
BJ	3002-200-313	Brake cam spacer	1
BK	3002-200-314	Brake mounting bracket	2
BL	3002-200-316	Brake track roller	1
BM	3002-201-301	Brake ratchet track	1
BN	3005-300-201	<i>Lift assembly, head end (page 101)</i>	1
BP	3005-300-251	<i>Lift assembly, foot end (page 102)</i>	1
BR	3006-200-060	<i>Swivel lock caster assembly - 3006-200-060 (page 111)</i>	2
BT	3006-200-065	<i>Steer-swivel caster assembly, white - 3006-200-065 (page 112)</i>	2
BU	3006-200-102	Base weldment	1
BV	3006-200-306	Brake shaft pedal bearing	8
BW	3006-200-312	Brake cam	2
BY	3006-200-330	<i>Brake crank assembly (page 109)</i>	2
CA	3006-200-335	<i>Brake bar assembly (page 110)</i>	2
CB	3006-200-339	Steer/swivel lever bushing	5
CC	3006-200-374	Swivel lever	4
CD	3006-200-376	Swivel lock activation spring	4
CE	3006-200-378	Swivel lock return spring, right	3
CF	3006-200-379	Swivel lock return spring, left	2
CG	3006-200-380	Steer extension spring	1
CH	3006-200-381	Steer-swivel lever	1
CJ	0011-611-001	Washer	1

Lift assembly, head end

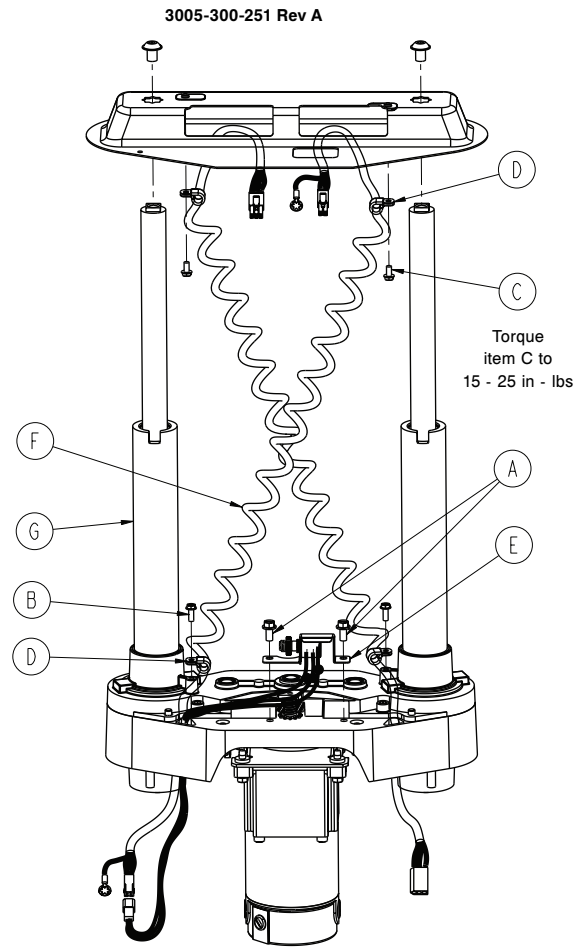
3005-300-201 Rev A (Reference only)



Item	Number	Name	Quantity
A	0003-121-000	Hex washer head screw	2
B	0003-128-000	Hex washer head screw	1
C	0023-164-000	Hex washer head screw	1
D	0034-022-000	Cable clamp	2
E	3005-200-275	Lift assembly (page 103)	1
F	3006-200-240	Head end potentiometer assembly	1
G	3006-200-815	Lift sensor coil cord	1

Lift assembly, foot end

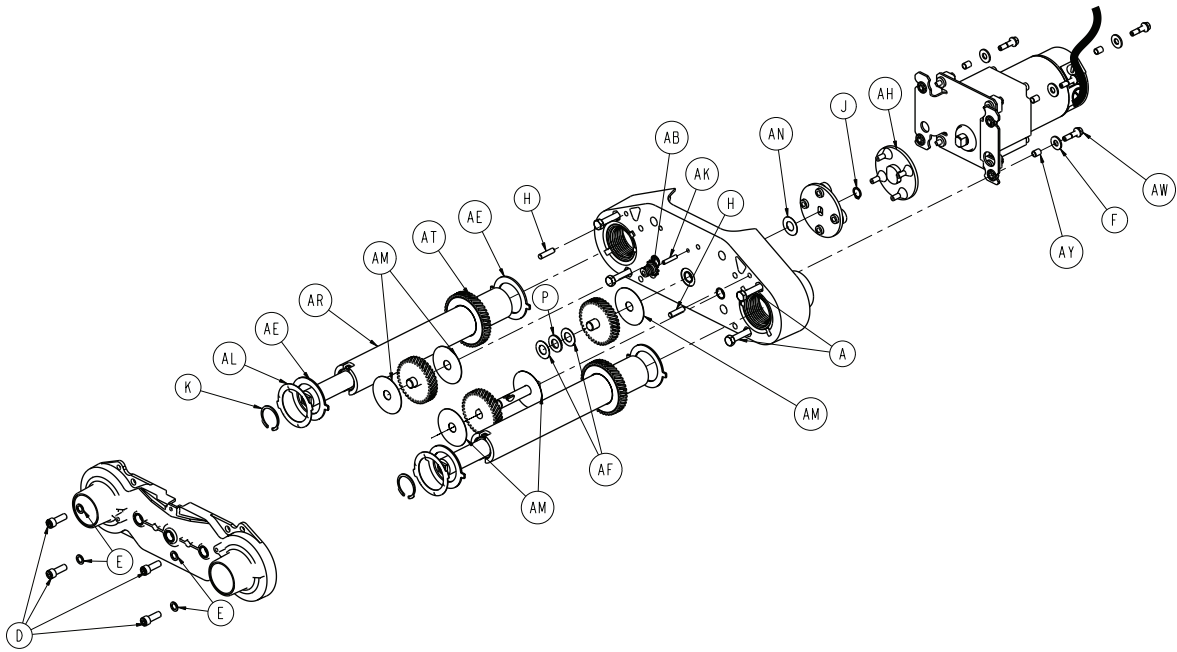
3005-300-251 Rev A (Reference only)

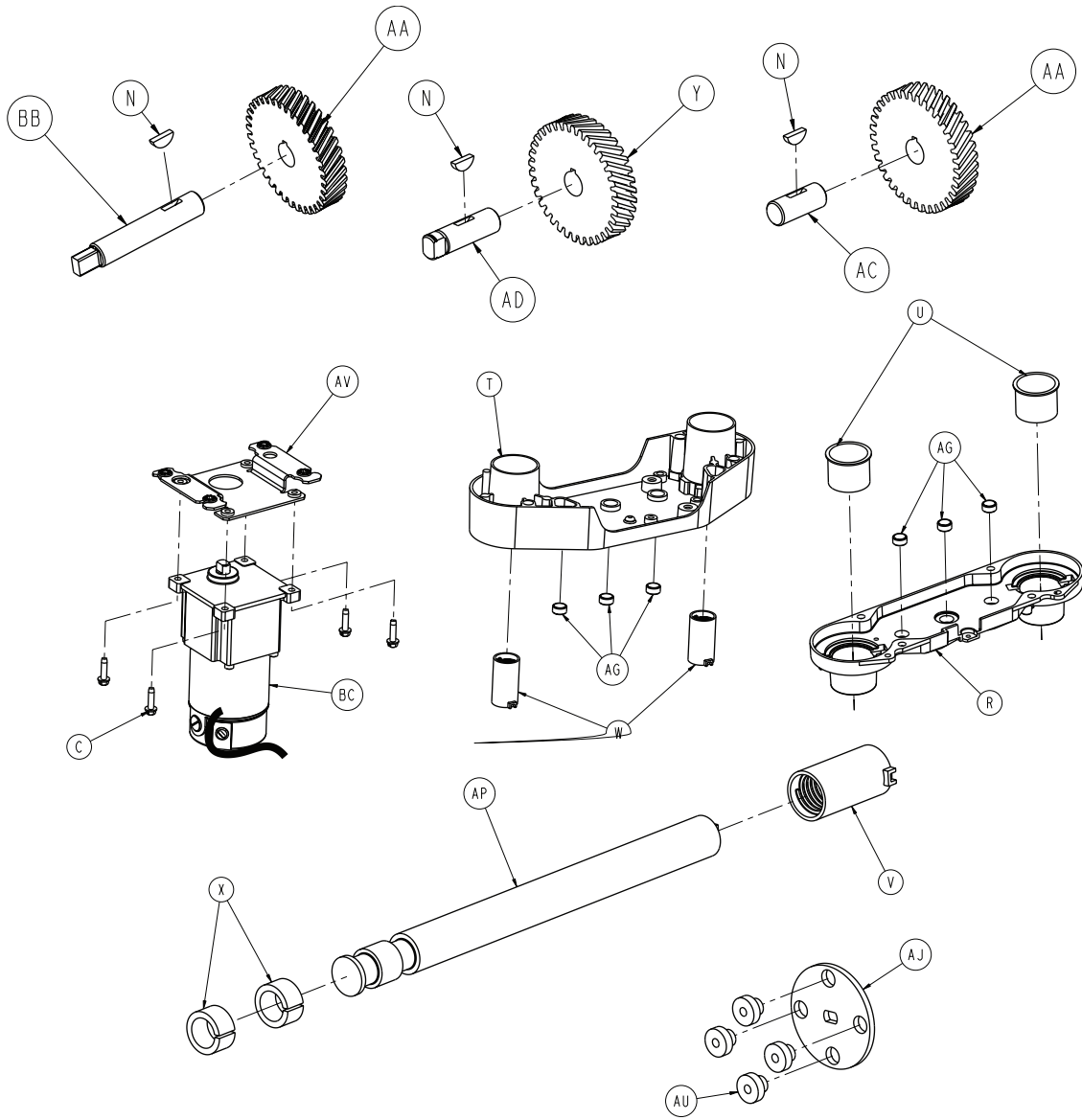


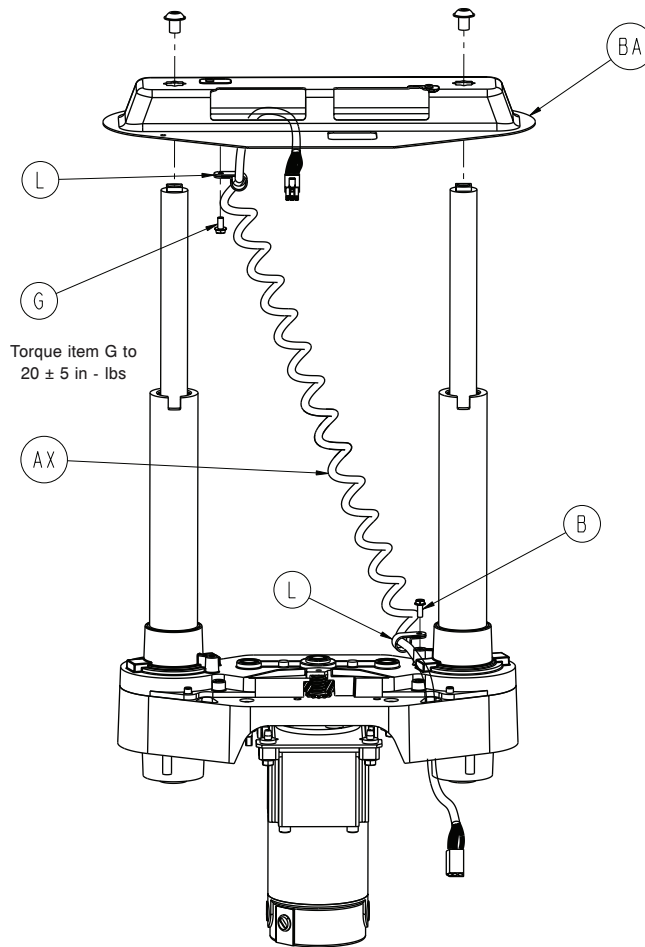
Item	Number	Name	Quantity
A	0003-121-000	Hex washer head screw	2
B	0003-128-000	Hex washer head screw	1
C	0023-164-000	Hex washer head screw	1
D	0034-022-000	Cable clamp	2
E	3001-200-230	Foot end potentiometer assembly	1
F	3001-200-815	Lift sensor coil cord	1
G	3005-200-275	<i>Lift assembly (page 103)</i>	1

Lift assembly

3005-200-275 Rev AA (Reference only)





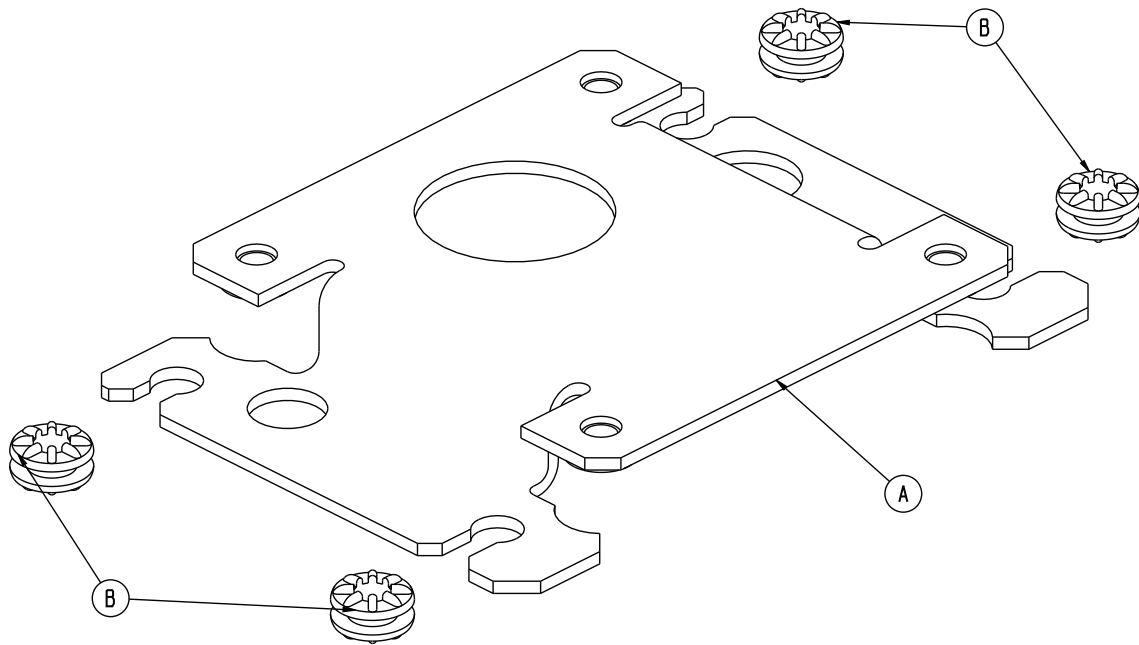


Item	Number	Name	Quantity
A	0003-082-000	Hex head cap crew	4
B	0003-128-000	Hex washer head screw	1
C	0003-331-000	Hex washer head screw	4
D	0004-213-000	Socket head cap screw	4
E	0011-308-000	Washer	4
F	0011-408-000	Washer	4
G	0023-164-000	Hex washer head screw	1
H	0026-231-000	Dowel pin	2
J	0028-097-000	Retaining ring	1
K	0028-121-000	Retaining ring	2
L	0034-022-000	Cable clamp	2
M	0051-022-000	Syn-tech grease	4
N	0058-044-000	Woodruff key	3
P	0081-212-000	Thrust needle roller bearing	1
R	3000-200-201	Upper lift housing	1
T	3000-200-202	Lower lift housing	1

Item	Number	Name	Quantity
U	3000-200-204	Upper housing sleeve	2
V	3000-200-205	Upper stage nut	2
W	3000-200-207	Lower stage nut	2
X	3000-200-208	Glide bushing	4
Y	3000-200-209	Motor pinion	1
AA	3000-200-210	Idler gear	2
AB	3000-200-216	Potentiometer drive gear	1
AC	3000-200-218	Lift idler shaft	1
AD	3000-200-220	Input pinion shaft	1
AE	3000-200-223	Output gear thrust washer	4
AF	3000-200-224	Input gear thrust washer	2
AG	3000-200-226	Pinion shaft bearing	6
AH	3000-200-233	Lift motor coupler	1
AJ	3000-200-234	Receiver coupler	1
AK	3000-200-239	Pot, drive gear shaft	1
AL	3000-200-241	Wave spring washer	2
AM	3000-200-245	Gear washer	5
AN	3000-200-246	Nylon washer	1
AP	3000-200-249	Inner screw	2
AR	3000-200-251	Tube screw	2
AT	3000-200-252	Output gear	2
AU	3005-200-255	Isolation bushing	4
AV	3001-200-214	<i>Isolation plate assembly (page 107)</i>	1
AW	3001-200-228	Mounting standoff	4
AX	3005-200-864	Power coil cable	1
AY	3001-300-019	Isolation sleeve	4
BA	3002-200-052	Bellows bracket	1
BB	3002-200-235	Idler manual override shaft	1
BC	3005-016-603	DC lift motor	1

Isolation plate assembly

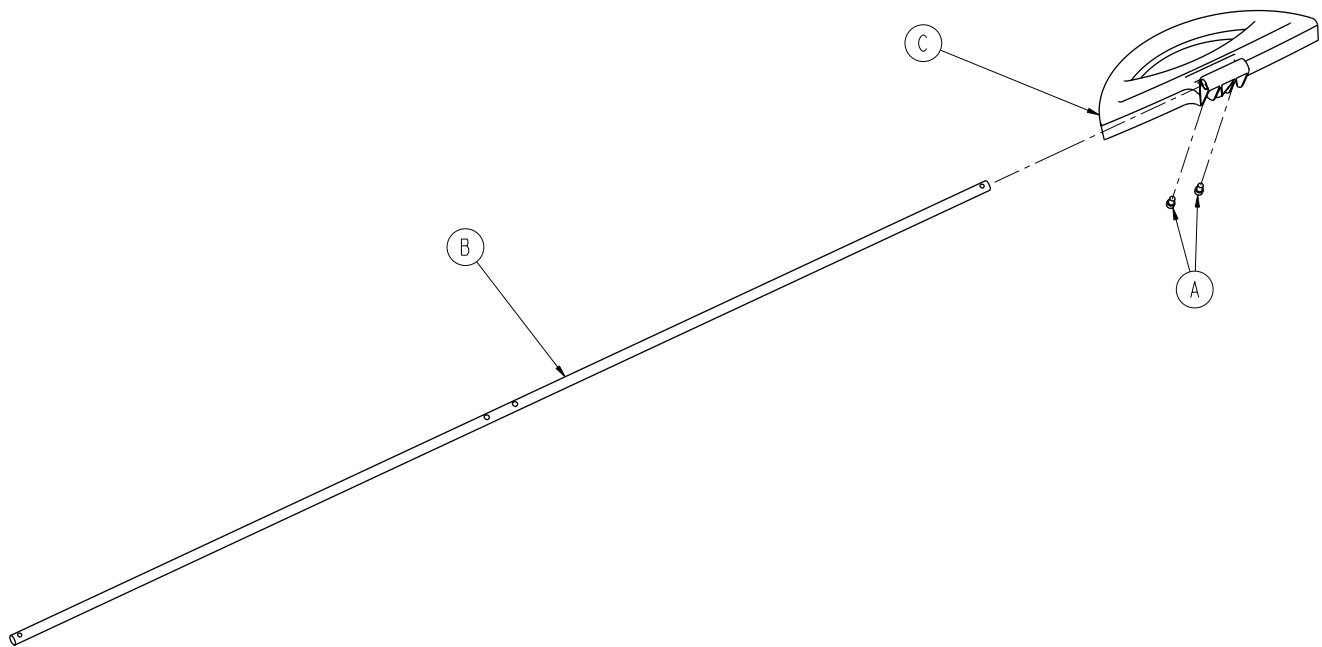
3001-200-214 Rev B (Reference only)



Item	Number	Name	Quantity
A	3001-200-213	Isolation plate	1
B	3000-300-442	Isolation grommet	4

Brake shaft assembly, standard bed

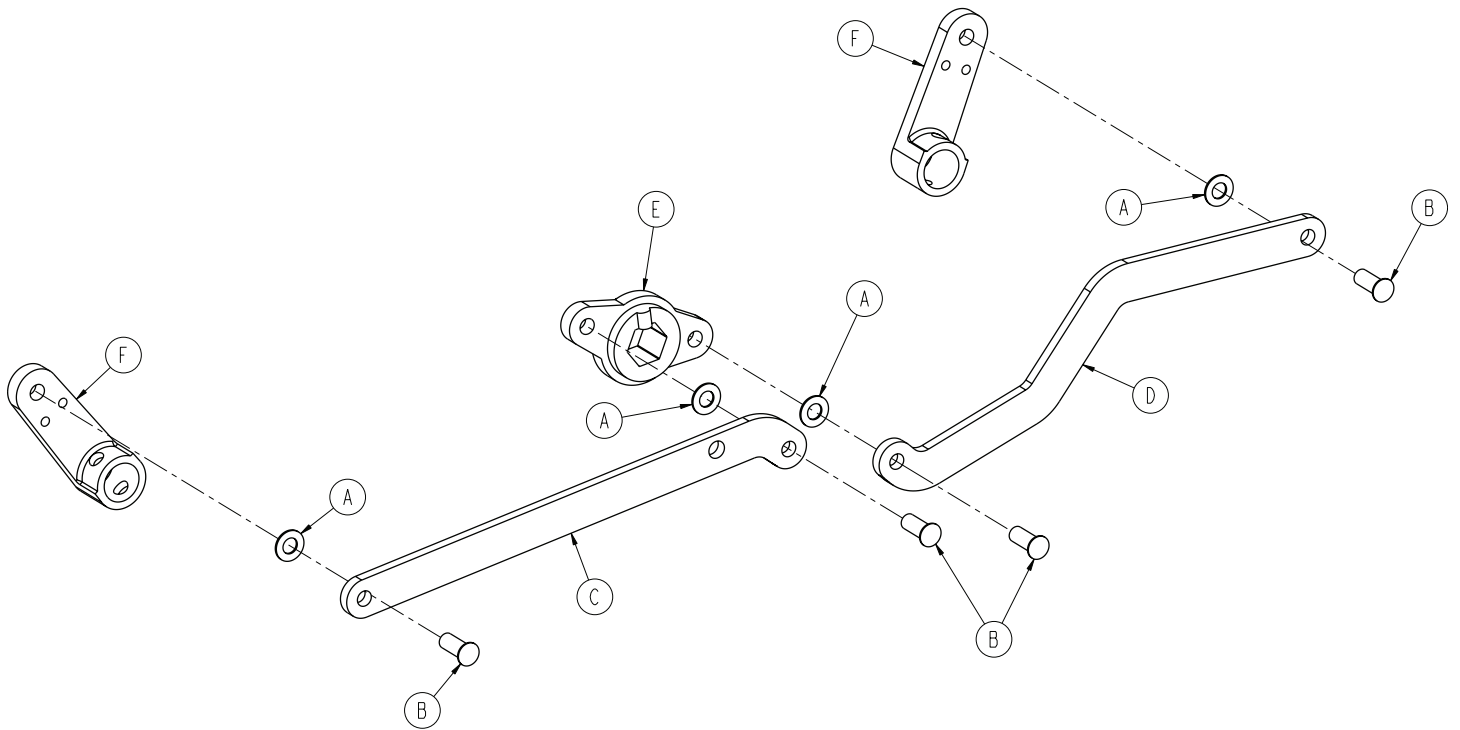
3006-200-340 Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-270-000	Socket head cap screw	2
B	3006-200-314	Brake shaft	1
C	3006-200-325	Brake pedal	1

Brake crank assembly

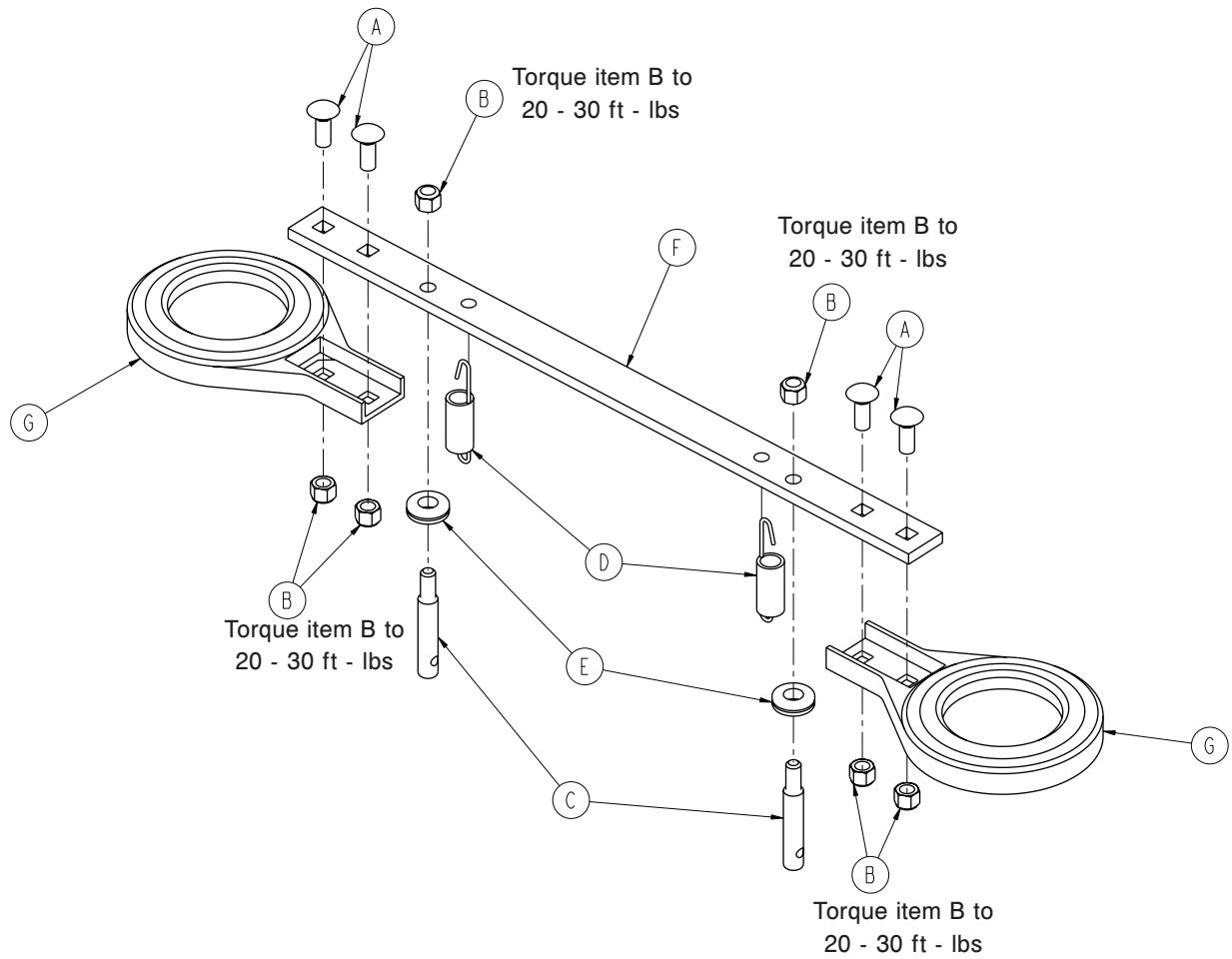
3006-200-330 Rev AA (Reference only)



Item	Number	Name	Quantity
A	0014-004-000	Washer	4
B	0025-146-000	Semi-tubular rivet	4
C	3001-200-311	Brake link	1
D	3001-200-312	Dog leg brake link	1
E	3002-200-309	Brake crank	1
F	3006-200-302	Brake shaft crank	2

Brake bar assembly

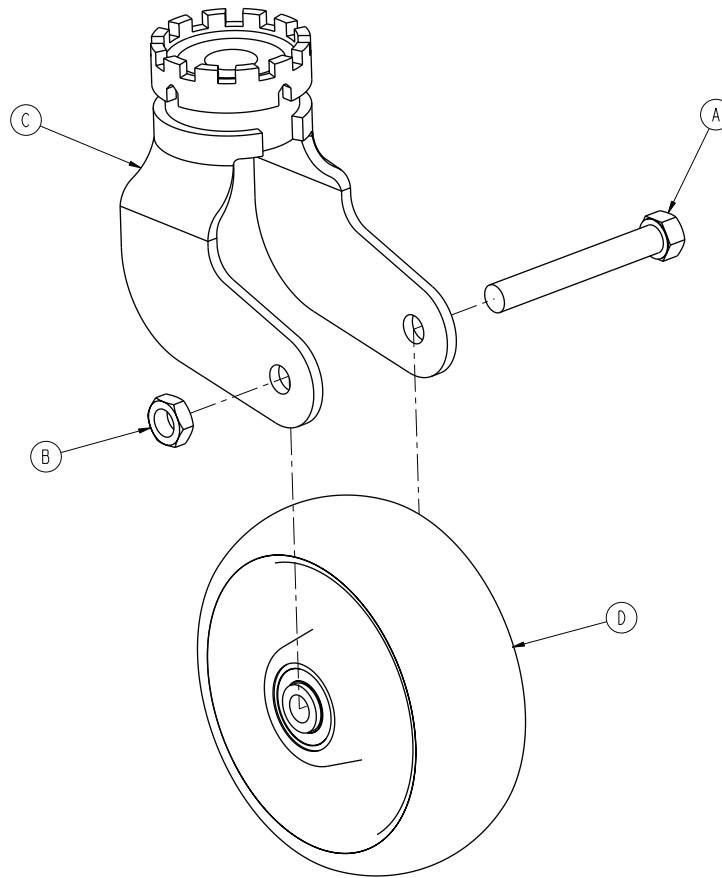
3006-200-335 Rev B (Reference only)



Item	Number	Name	Quantity
A	0005-018-000	Carriage bolt	4
B	0016-035-000	Nylock hex nut	6
C	3000-200-318	Guide pin	2
D	3002-200-310	Brake bar return spring	2
E	3000-200-324	Brake bar bumper	2
F	3003-200-323	Brake bar	1
G	3006-200-327	Toothed brake ring	2

Swivel lock caster assembly - 3006-200-060

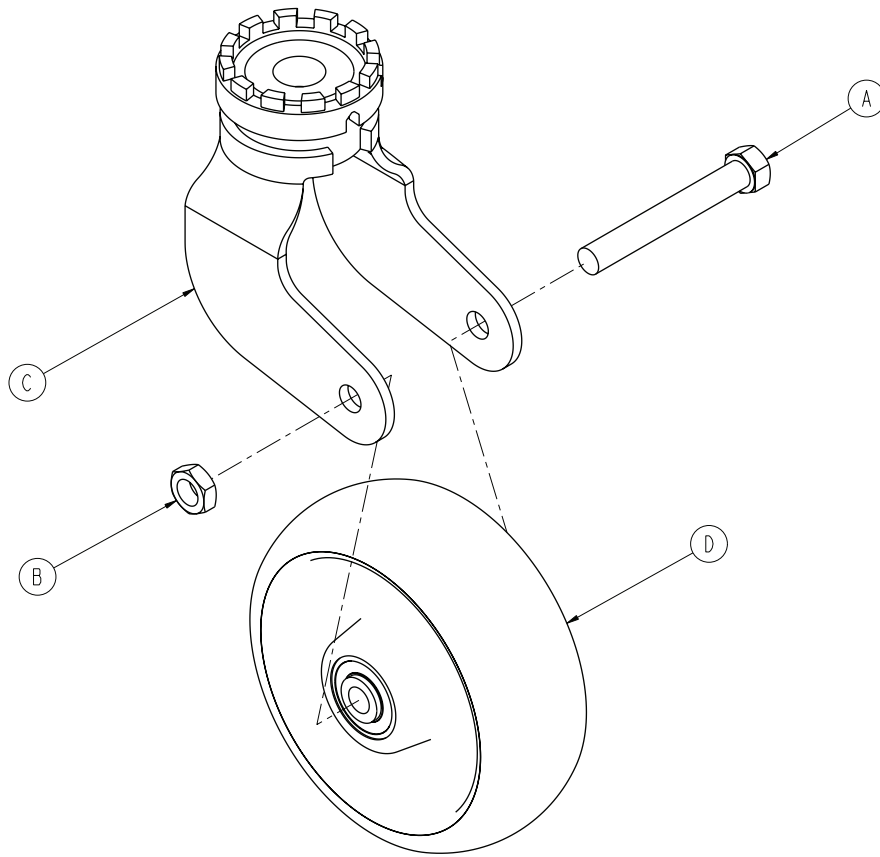
Rev B (Reference only)



Item	Number	Name	Quantity
A	0003-342-000	Hex head cap screw	1
B	0016-060-000	Lock nut	1
C	3006-200-059	Caster horn with bearing and swivel	1
D	3006-200-142	Molded wheel assembly, white	1

Steer-swivel caster assembly, white - 3006-200-065

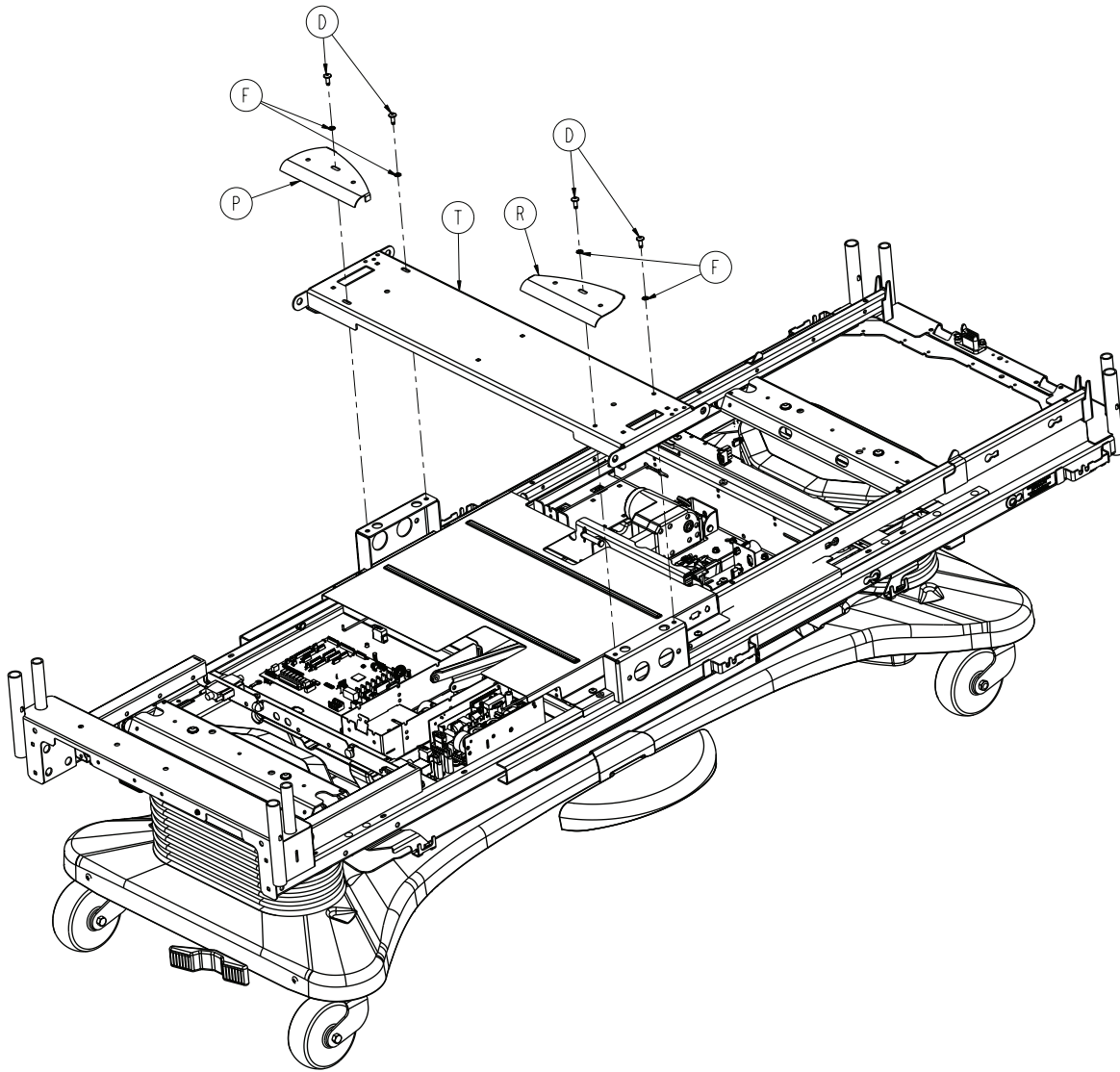
Rev A (Reference only)

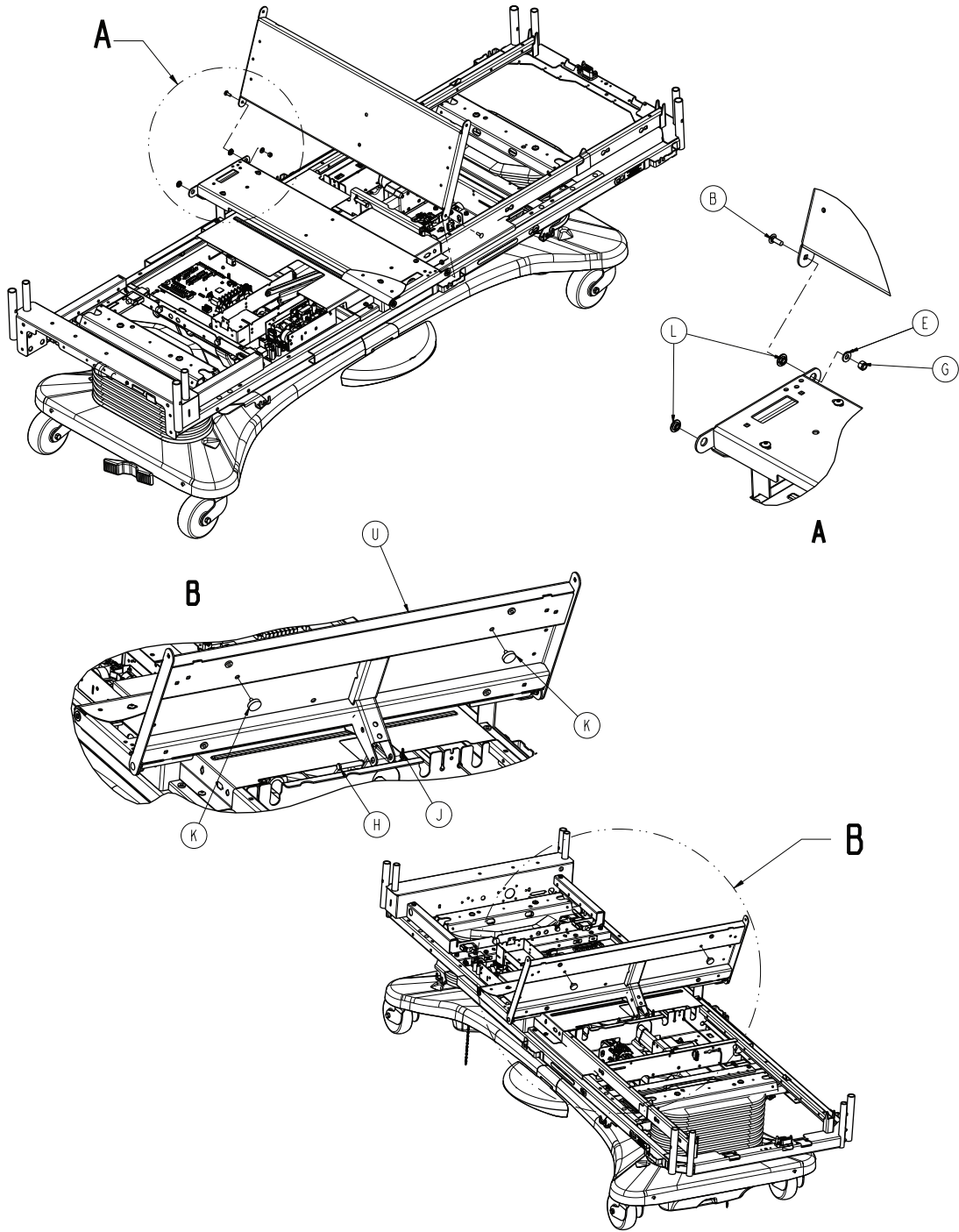


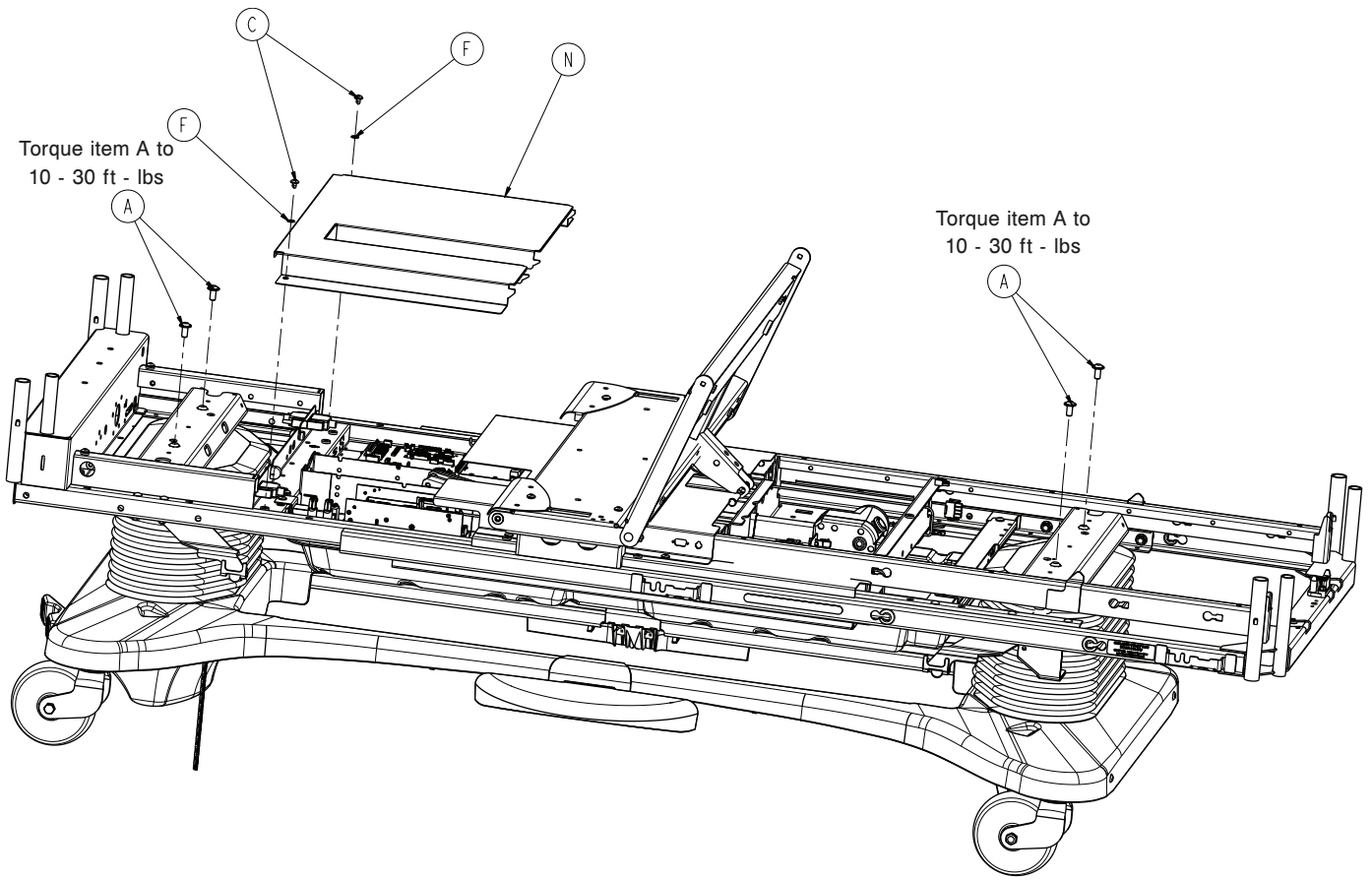
Item	Number	Name	Quantity
A	0003-342-000	Hex head cap screw	1
B	0016-060-000	Lock nut	1
C	3006-200-063	Steer caster horn with bearing and steer swivel, white	1
D	3006-200-142	Molded wheel assembly, white	1

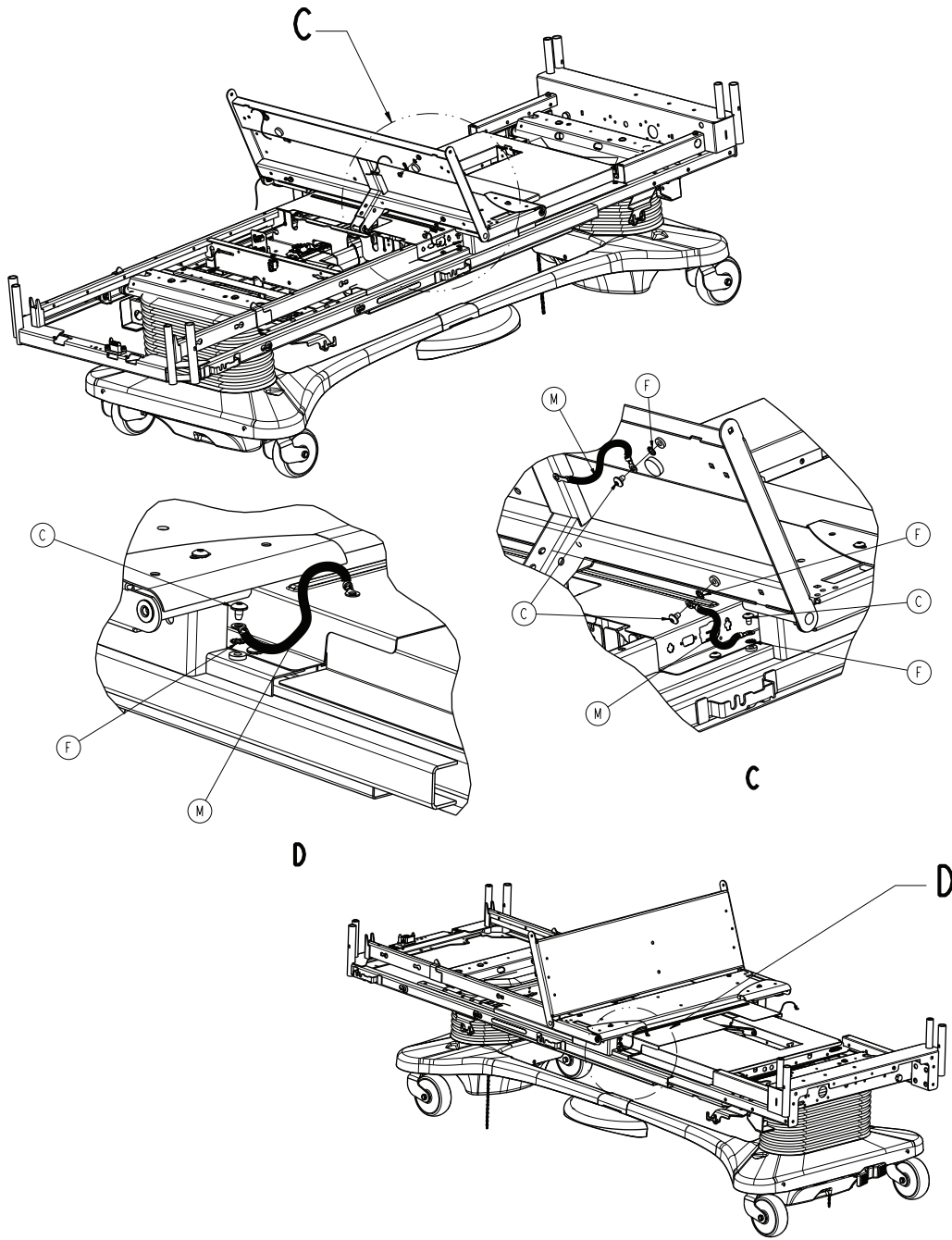
Litter assembly, standard components

3005-300-002 Rev A (Reference only)







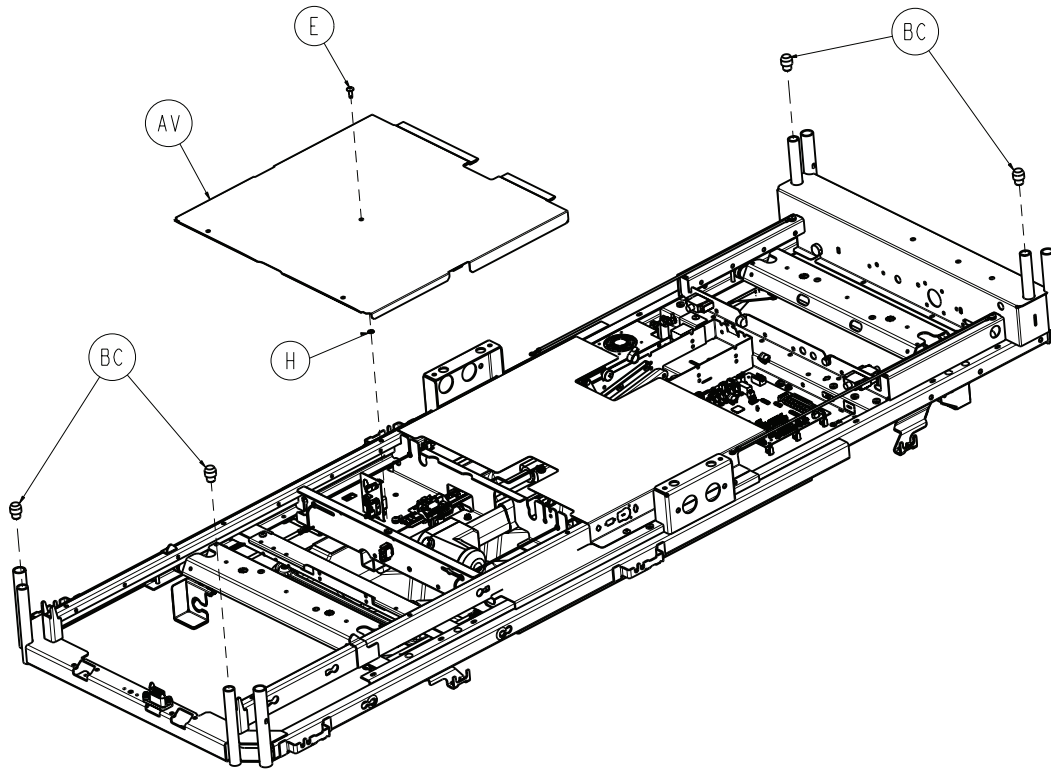


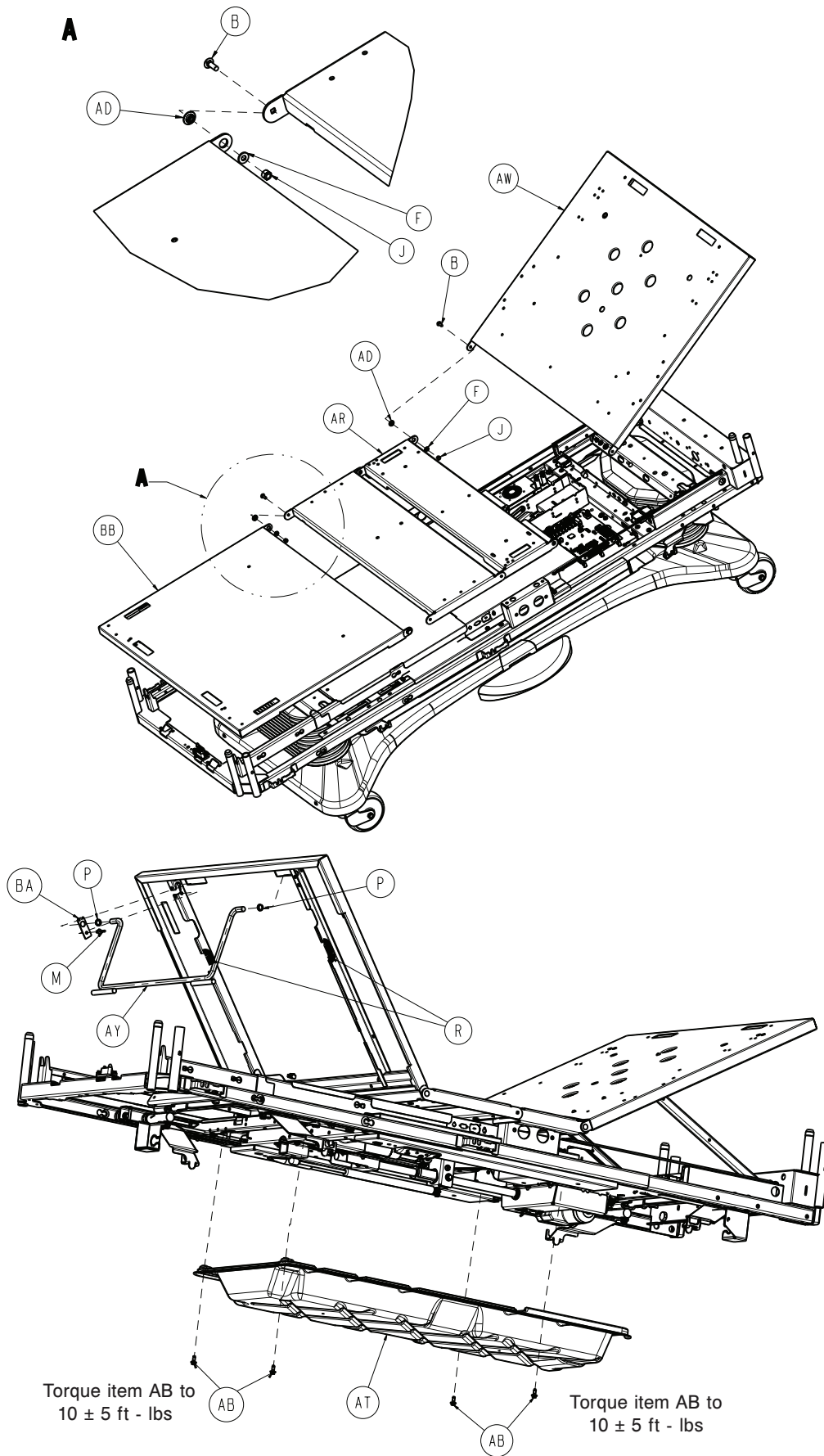
Item	Number	Name	Quantity
A	0004-338-000	Lift header screw	4
B	0005-017-000	Round head square neck bolt	2
C	0007-053-000	Truss head torx screw	10
D	0007-063-000	Truss head screw	4
E	0011-077-000	Plain washer	2
F	0013-010-000	Tooth lock washer	14
G	0016-028-000	Fiberlock hex nut	2
H	0026-277-000	Clevis pin	1
J	0027-022-000	Rue ring cotter	1

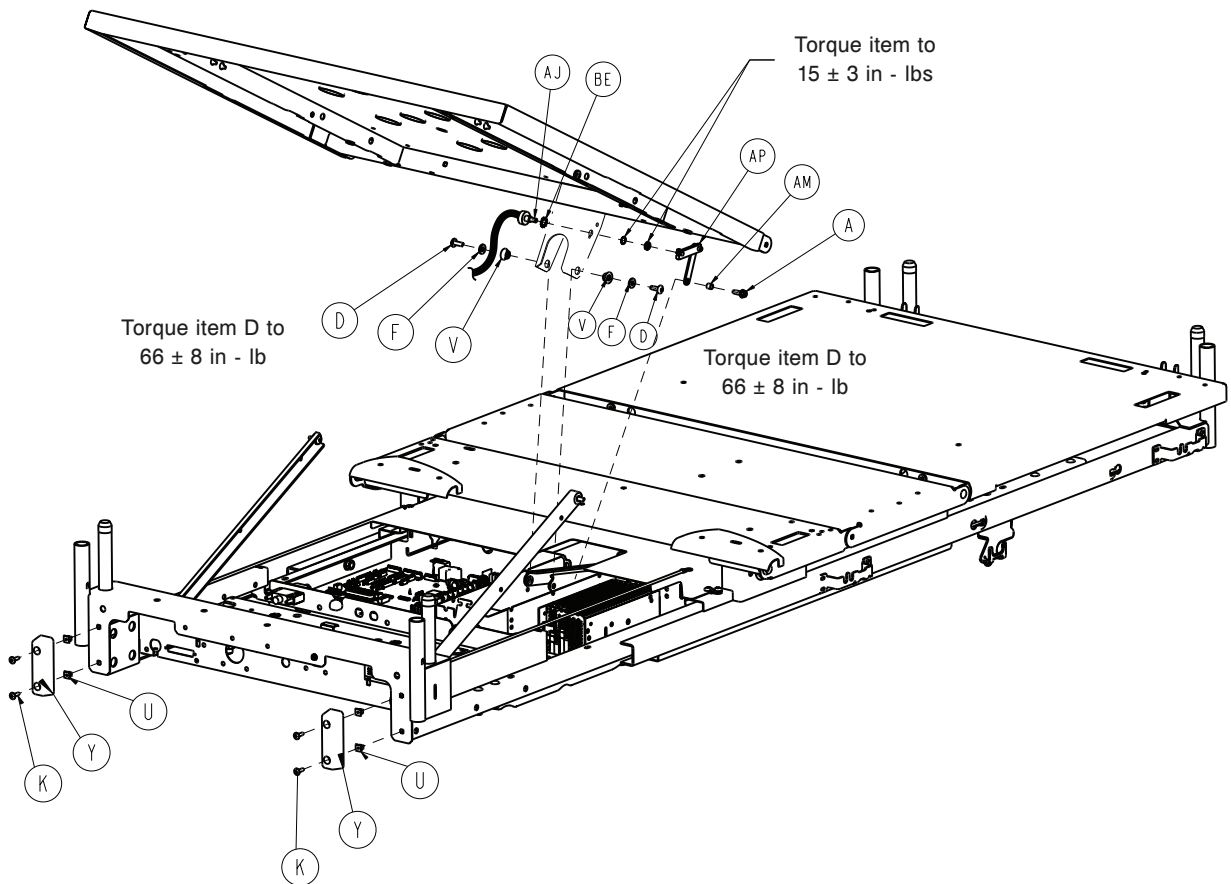
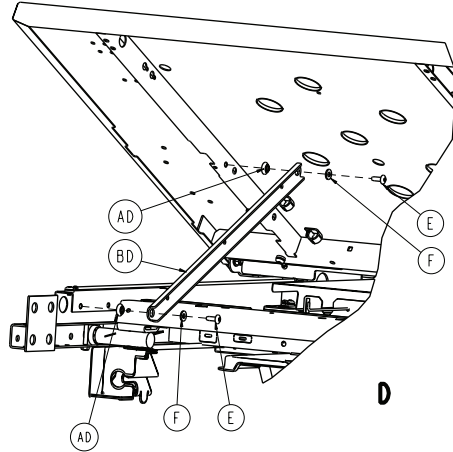
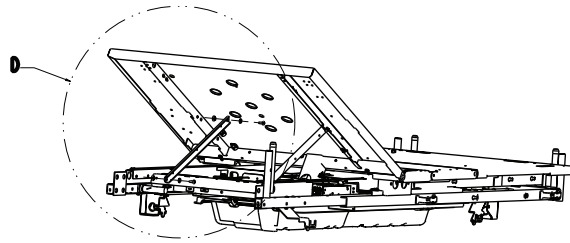
Item	Number	Name	Quantity
K	3001-300-008	Thigh bumper	2
L	3001-300-099	Fowler modified bushing	4
M	3002-300-870	8" litter ground jumper	2
N	3005-300-097	<i>Litter CPU cover assembly - 3005-300-097 (page 123)</i>	1
P	3006-300-141	Fowler gap cover, left	1
R	3006-300-142	Fowler gap cover, right	1
T	3006-301-135	Seat skin	1
U	3006-301-170	Litter, thigh assembly	1

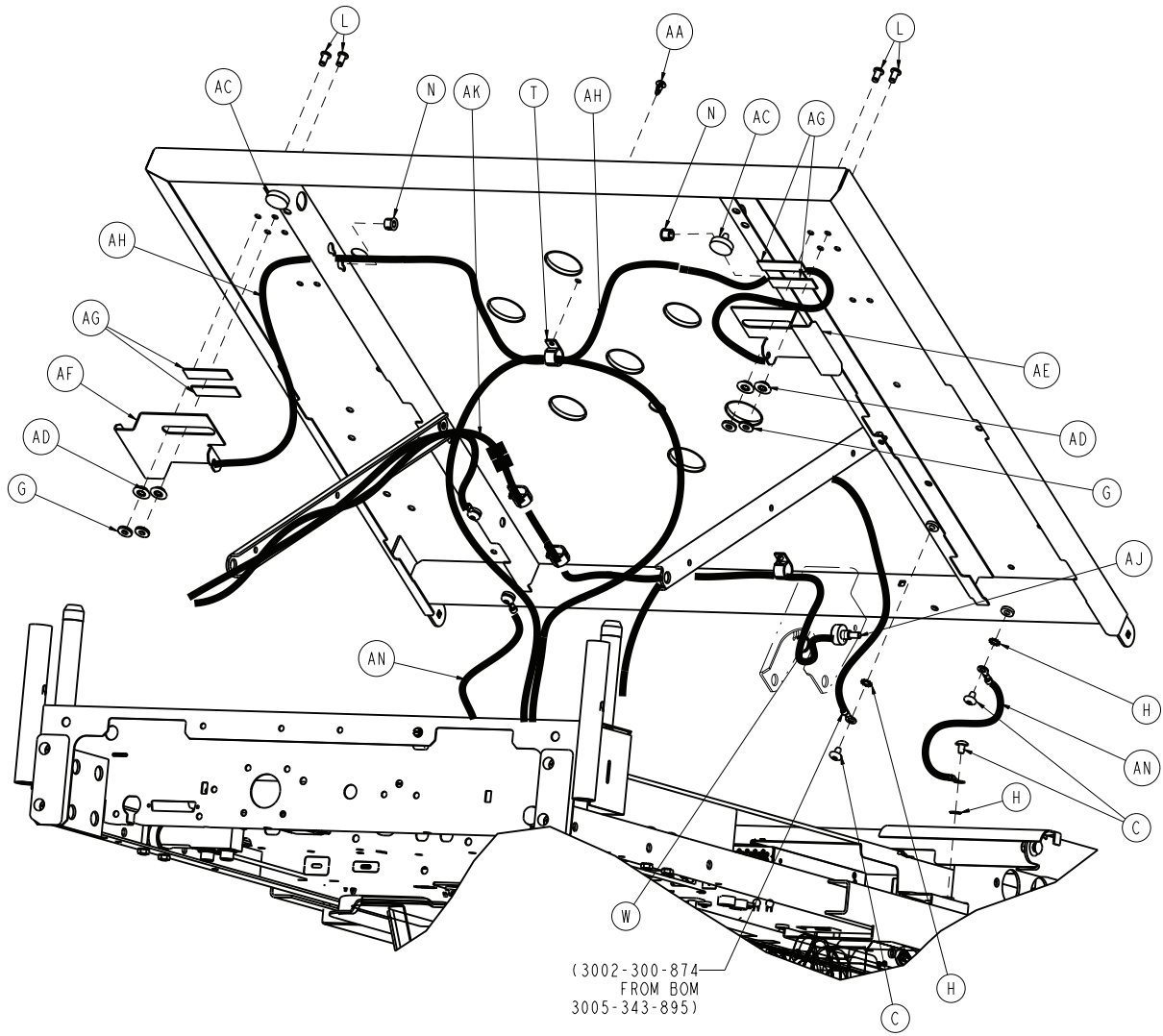
Litter assembly, standard bed

3005-343-002 Rev E (Reference only)







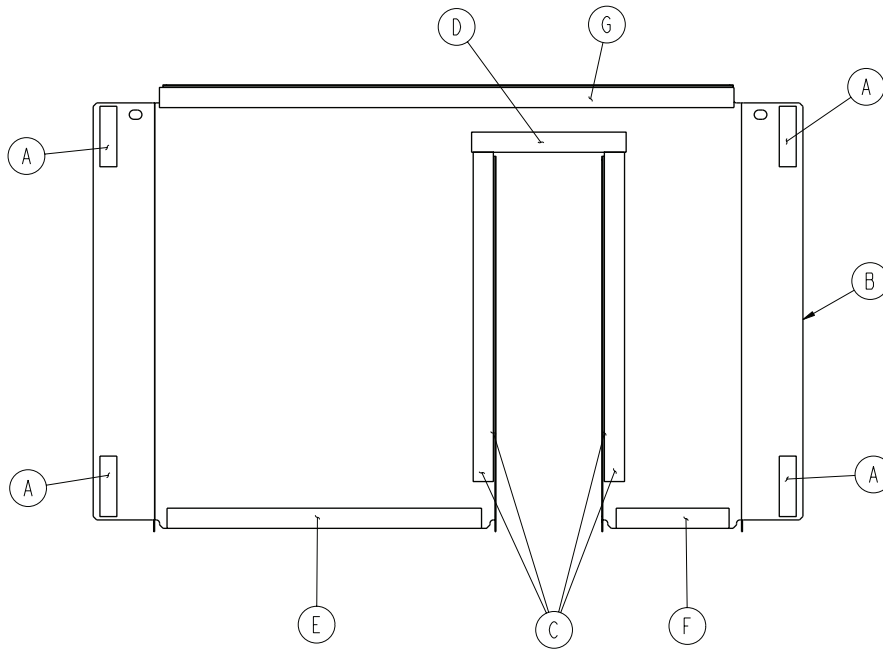


Item	Number	Name	Quantity
A	0007-065-000	Truss head screw	1
B	0005-017-000	Carriage bolt	4
C	0007-053-000	Truss head screw	6
D	0007-063-000	Truss head screw	2
E	0007-065-000	Truss head screw	5
F	0011-077-000	Washer	10
G	0011-376-000	Washer	4
H	0013-010-000	External tooth lock washer	7
J	0016-028-000	Fiberlock hex nut	4
K	0023-080-000	Truss head self-tapping screw	4
L	0025-120-000	Dome head rivet	4
M	0025-177-000	Dome head rivet	1
N	0030-052-000	Snap Heyco bushing	2
P	0052-754-000	Nyliner bearing	2

Item	Number	Name	Quantity
R	0058-056-000	1/8 edge cover with adhesive	3.0"
T	0059-743-000	Wire harness clip	4
U	3000-300-002	Plastic clip nut	4
V	3000-300-099	Fowler modified bushing	2
W	3000-300-113	8" cable tie	1
Y	3000-300-350	Head end bumper	2
AA	3000-300-477	CPR conduit stud	4
AB	3005-200-229	Mounting standoff	4
AC	3001-300-008	Bumper	2
AD	3001-300-099	Fowler modified bushing	10
AE	3001-300-661	CPR handle, right	1
AF	3001-300-662	CPR release handle, left	1
AG	3001-300-663	Hook and loop strip	4
AH	3001-300-670	CPR cable assembly	2
AJ	3001-345-807	Fowler pot cable	1
AK	3001-345-809	Fowler pot extension cable	1
AM	3001-400-558	Spacer	1
AN	3002-300-870	8" litter ground jumper	2
AP	3004-345-450	Pot linkage assembly	1
AR	3005-300-002	<i>Litter assembly, standard components</i> (page 113)	1
AT	3005-300-083	Motion interrupt pan	1
AU	3005-343-895	<i>Electrical litter assembly, standard bed</i> (page 125)	1
AV	3005-300-042	<i>Foot cover assembly - 3005-300-042</i> (page 124)	1
AW	3006-300-145	Fowler litter assembly	1
AY	3006-300-160	Foot prop rod weldment	1
BA	3006-300-186	Prop rod retainer	1
BB	3006-300-190	Foot litter weldment	1
BC	3006-300-349	Cap	4
BD	3006-301-005	Fowler link	2
BE	0013-002-001	External serrated tooth lock washer	1

Litter CPU cover assembly - 3005-300-097

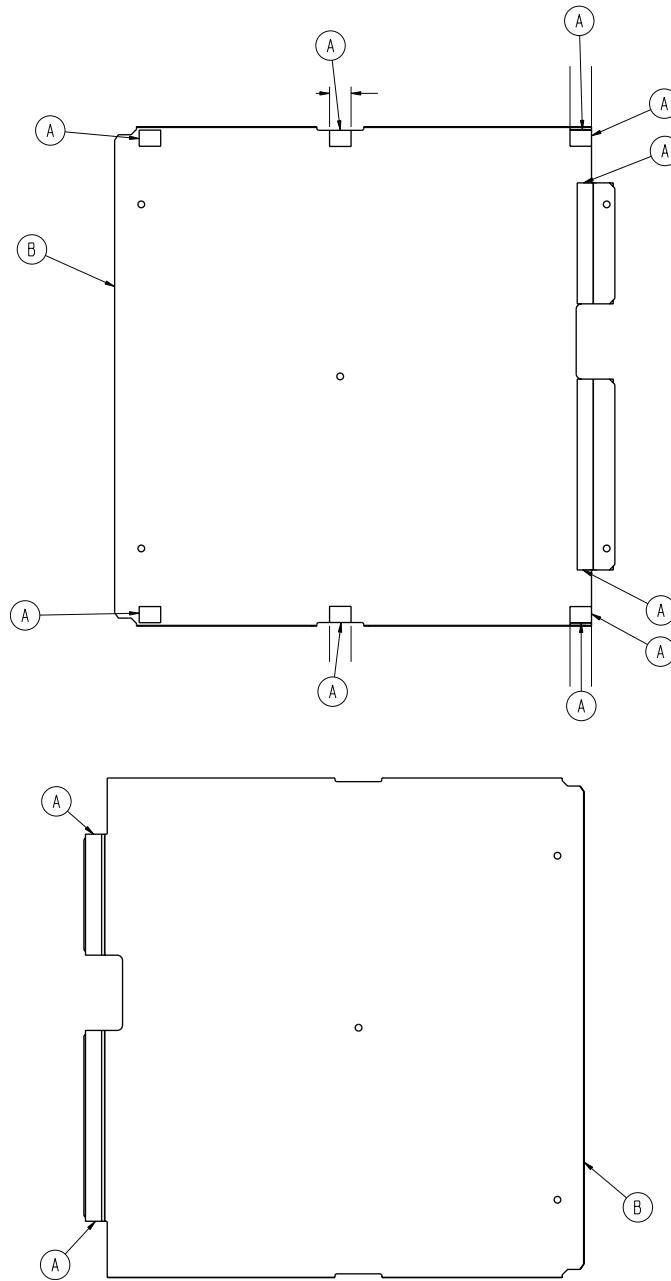
Rev A (Reference only)



Item	Number	Name	Quantity
A	3001-300-663	Hook and loop strip	4
B	3005-300-098	Stationary pan cover	1
C	7900-001-291	Foam tape (12.25)	4
D	7900-001-291	Foam tape (5.75)	1
E	7900-001-291	Foam tape (11.75)	1
F	7900-001-291	Foam tape (4.25)	1
G	7900-001-291	Foam tape (21.38)	1

Foot cover assembly - 3005-300-042

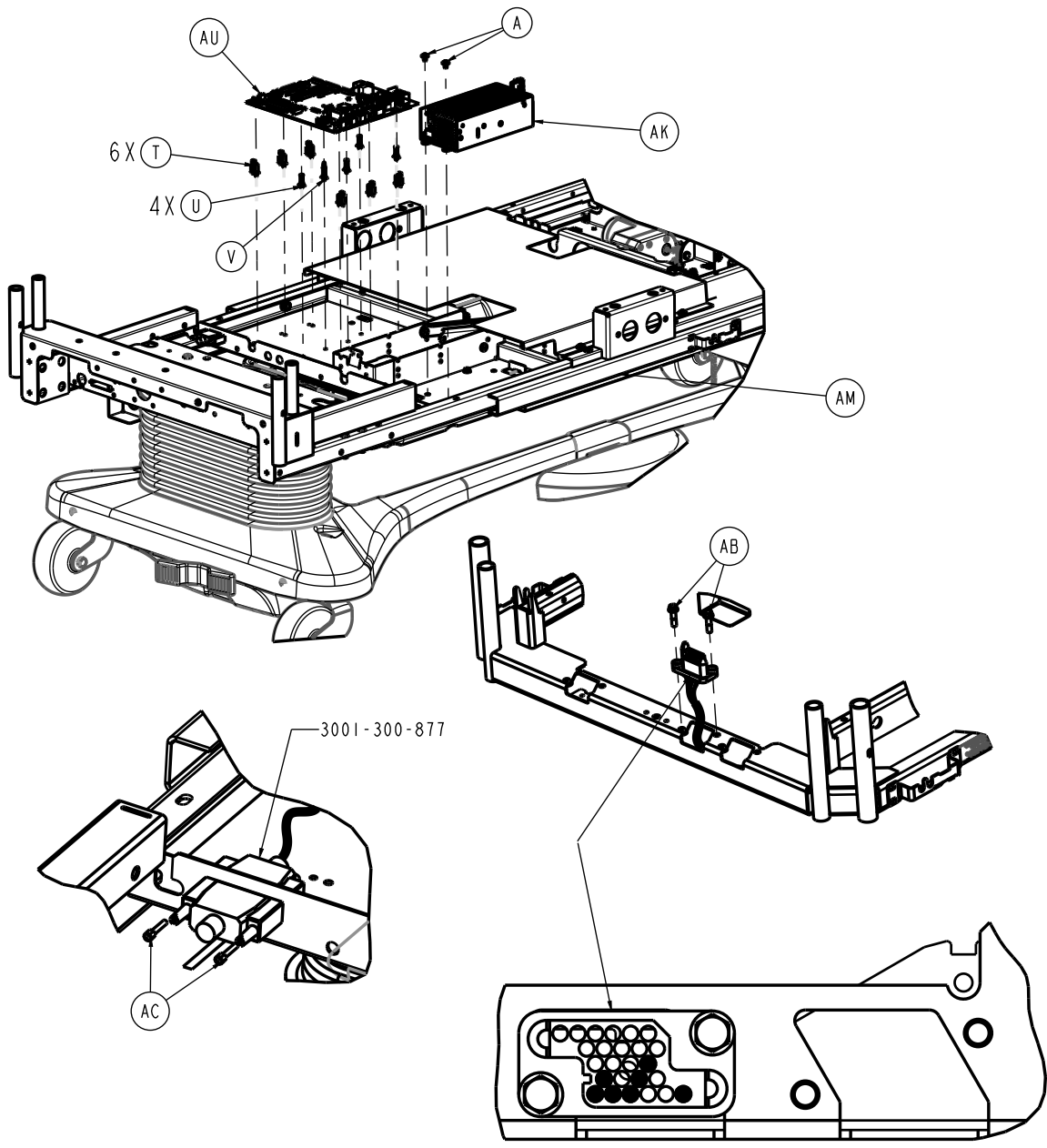
Rev A (Reference only)

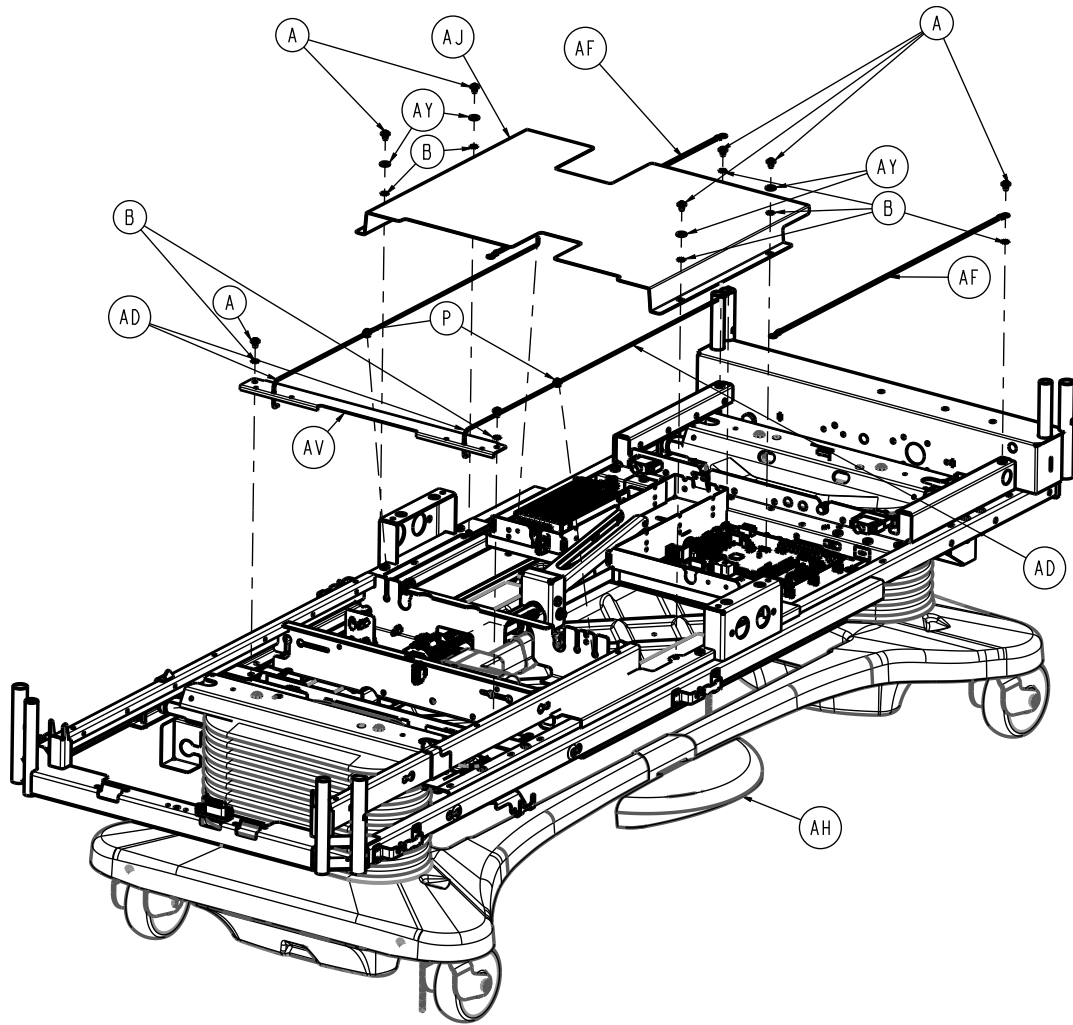


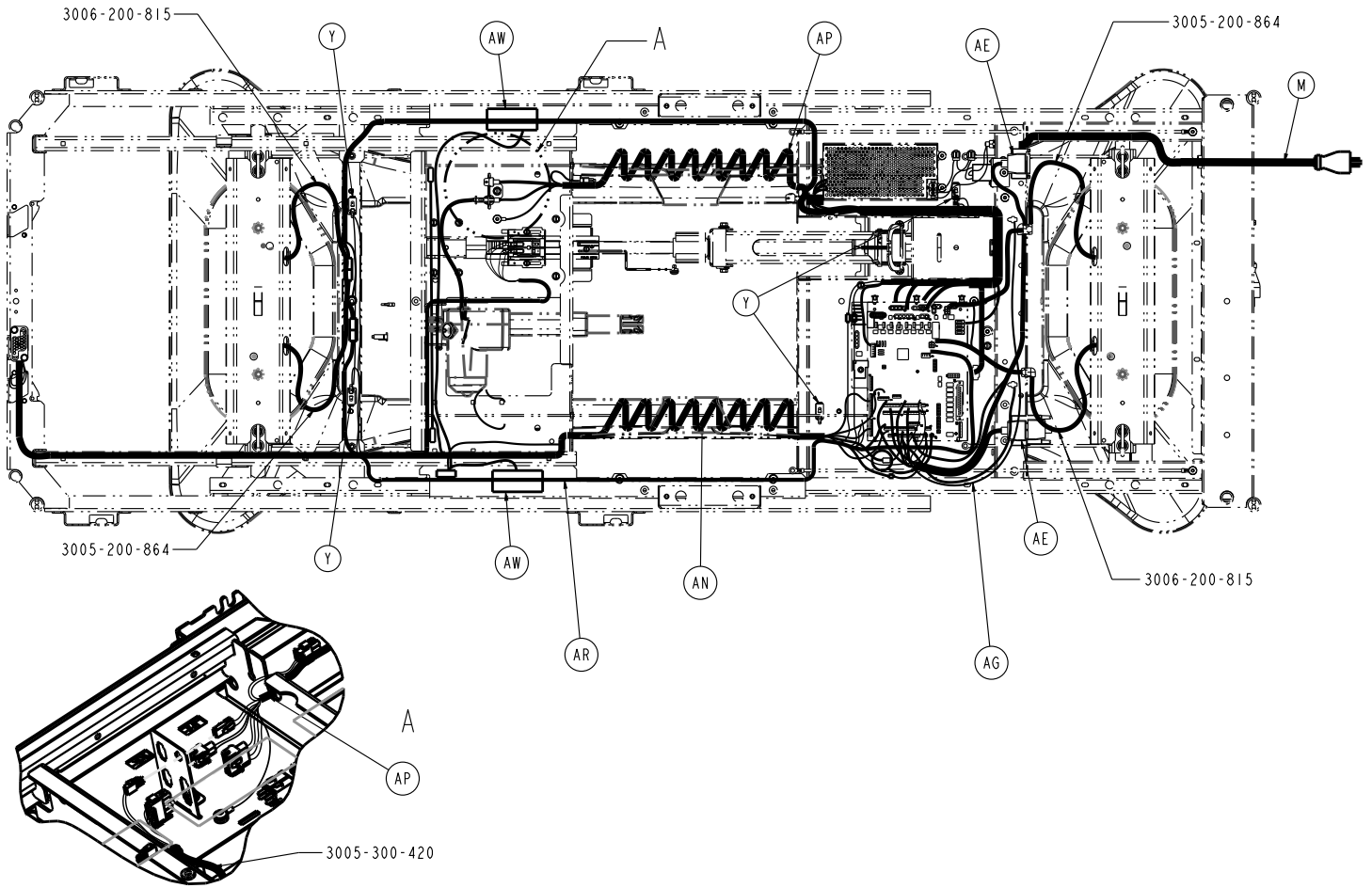
Item	Number	Name	Quantity
A	7900-001-291	Foam tape	37"
B	3006-301-043	Foot cover	1

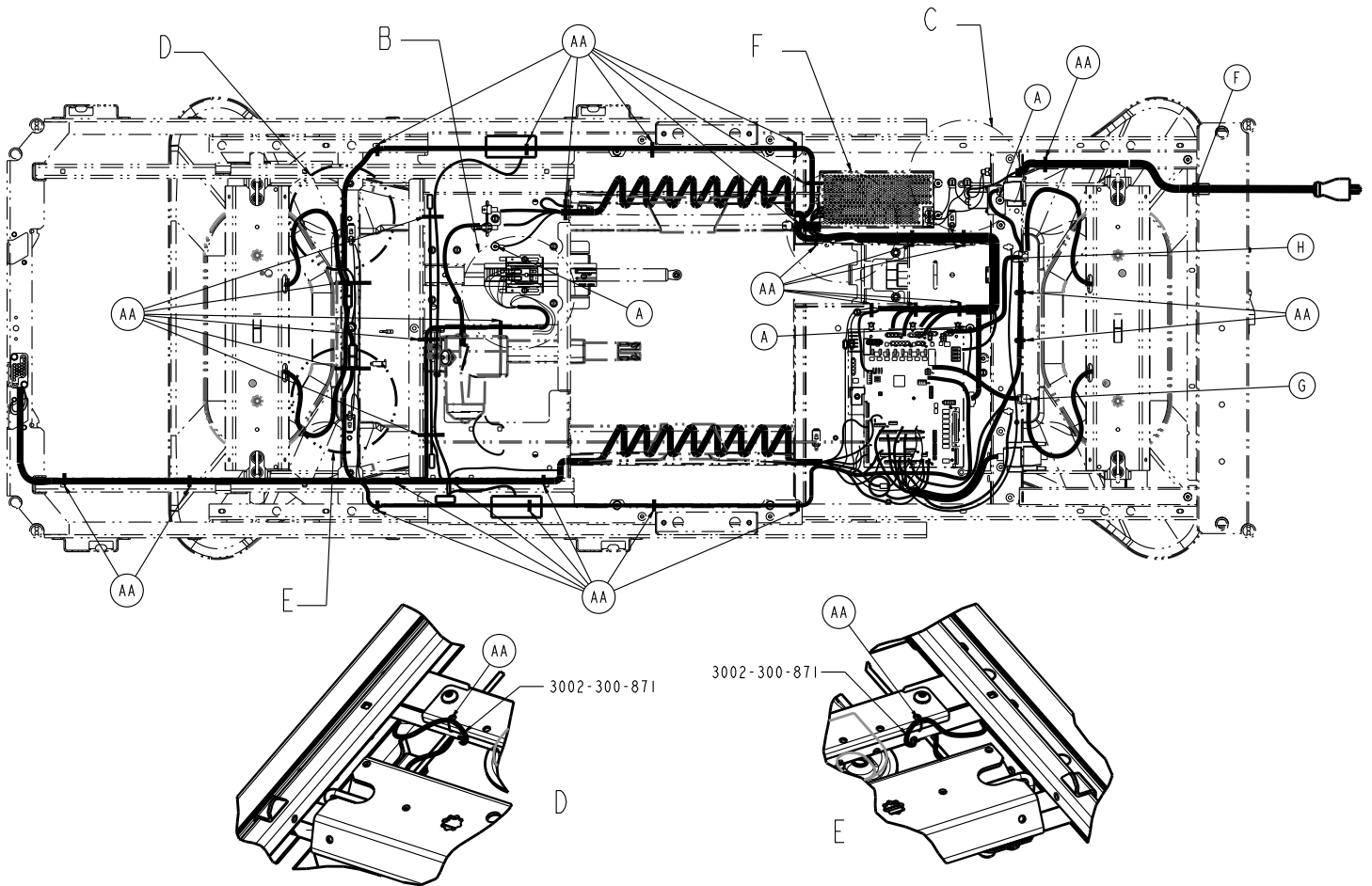
Electrical litter assembly, standard bed

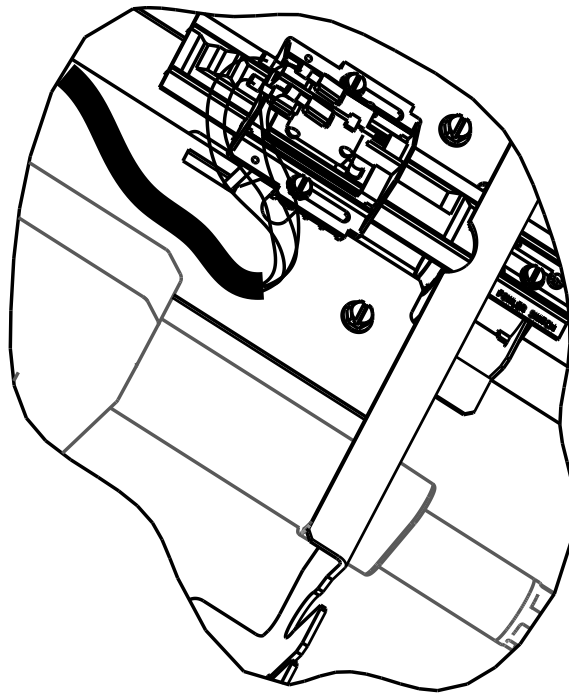
3005-343-895 Rev AA (Reference only)



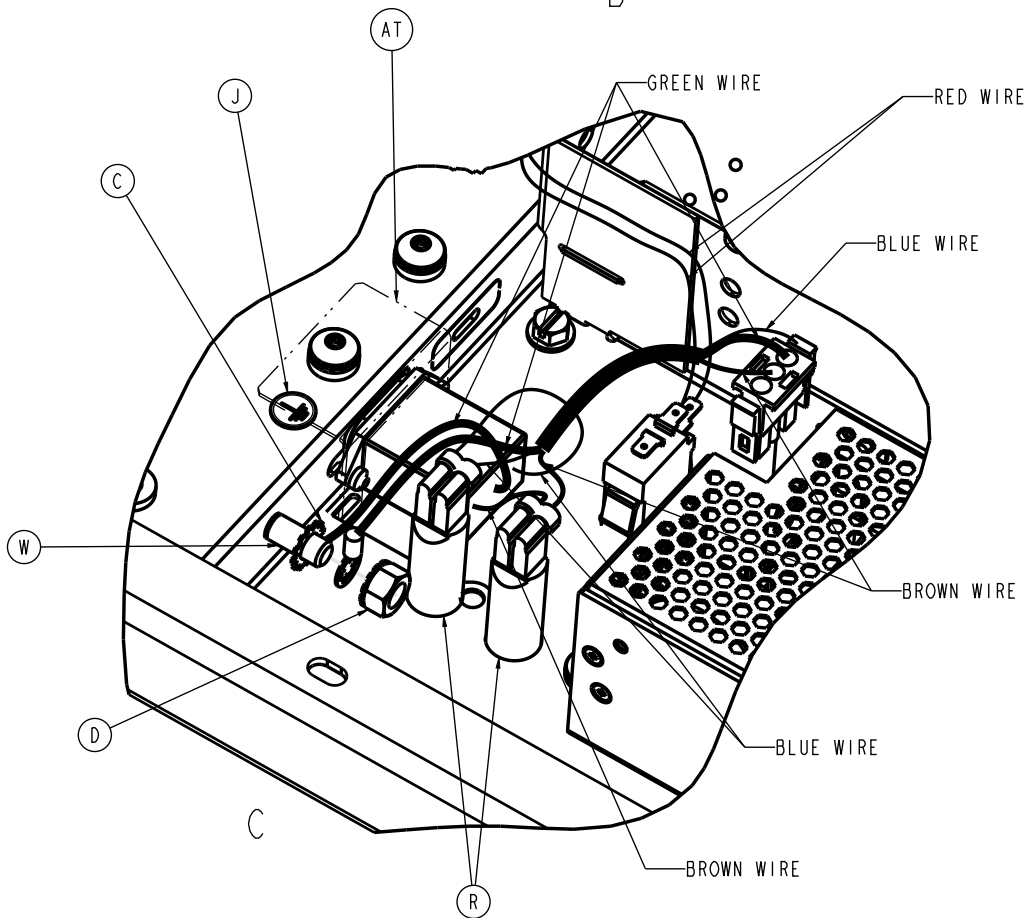


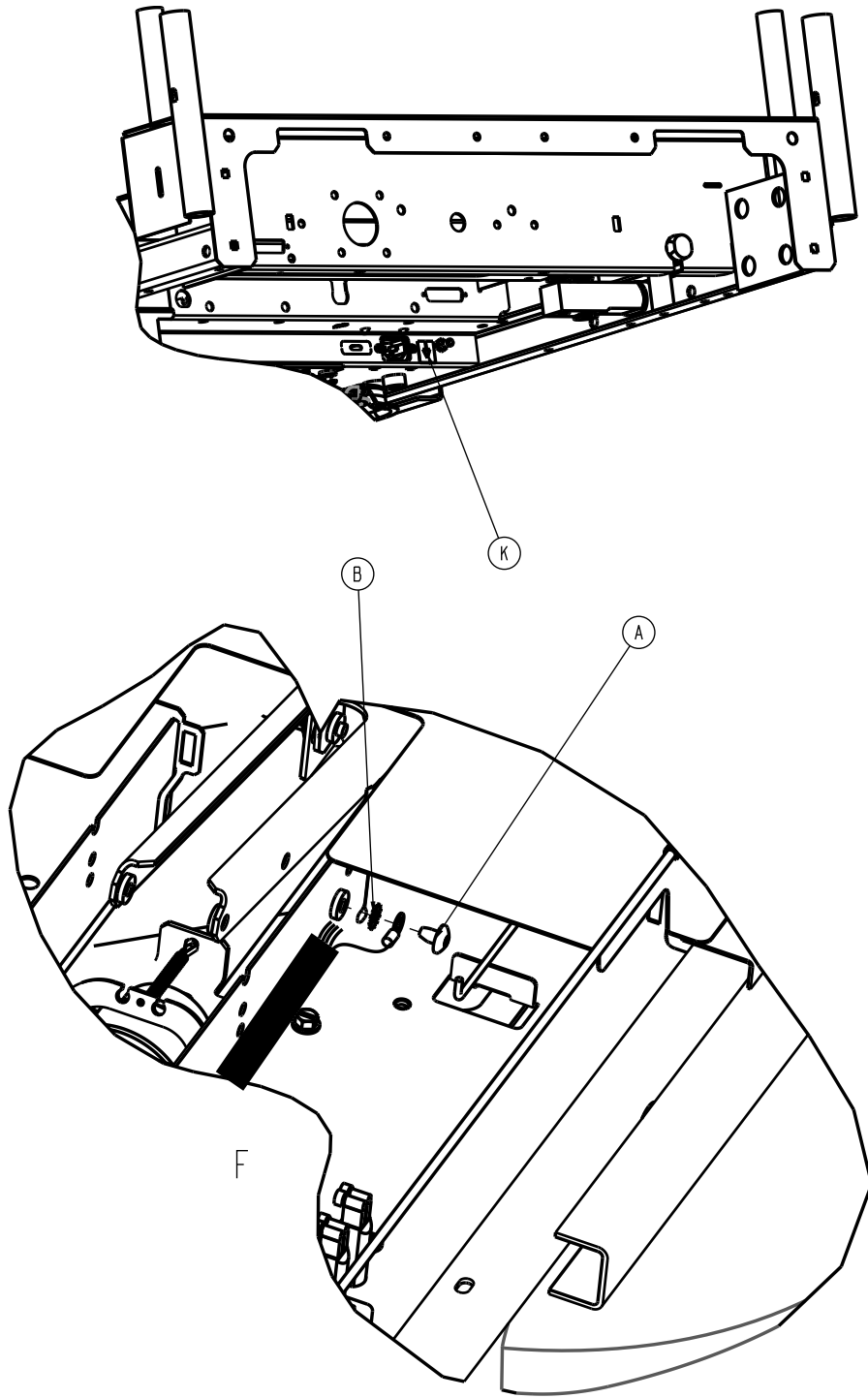






B



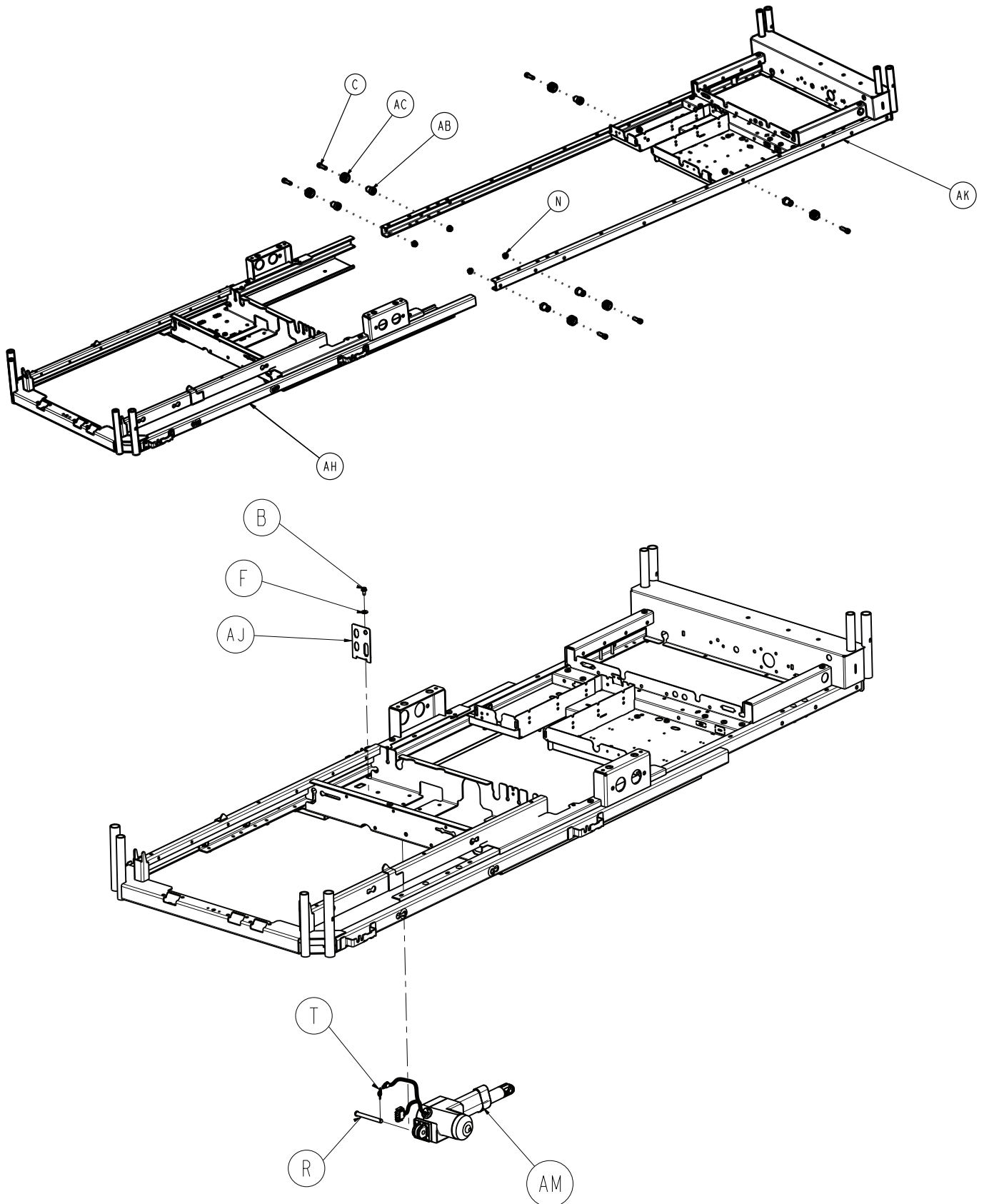


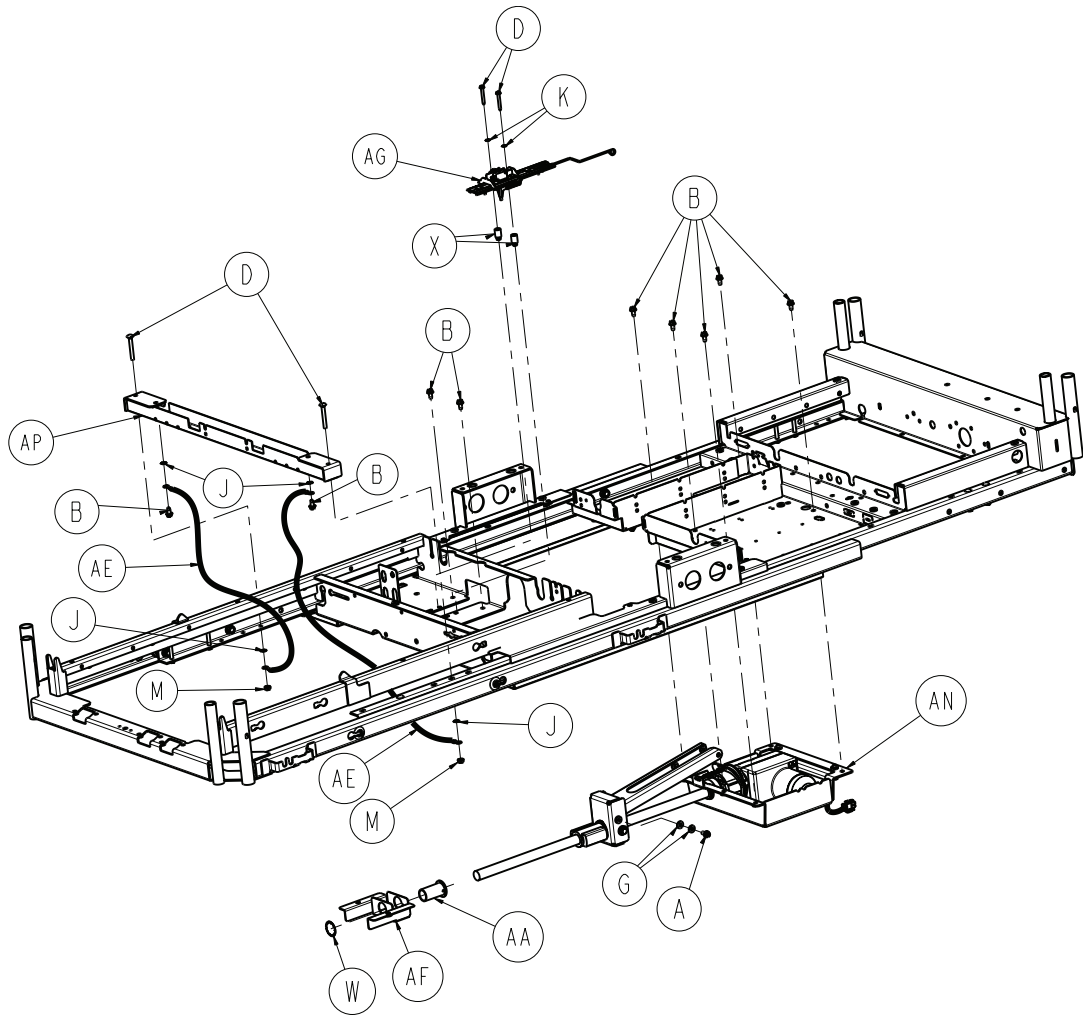
Item	Number	Name	Quantity
A	0007-053-000	Truss head Torx screw	16
B	0013-010-000	Tooth lock washer	7
C	0013-038-000	External tooth lock washer	1
D	0016-033-000	Kep nut	1
F	0030-027-000	Straight thru strain relief bushing	1
G	0030-047-000	Strain relief	1
H	0030-048-000	Strain relief	1
J	0036-046-000	Label, ground	1
K	0036-115-000	Label, ground	1

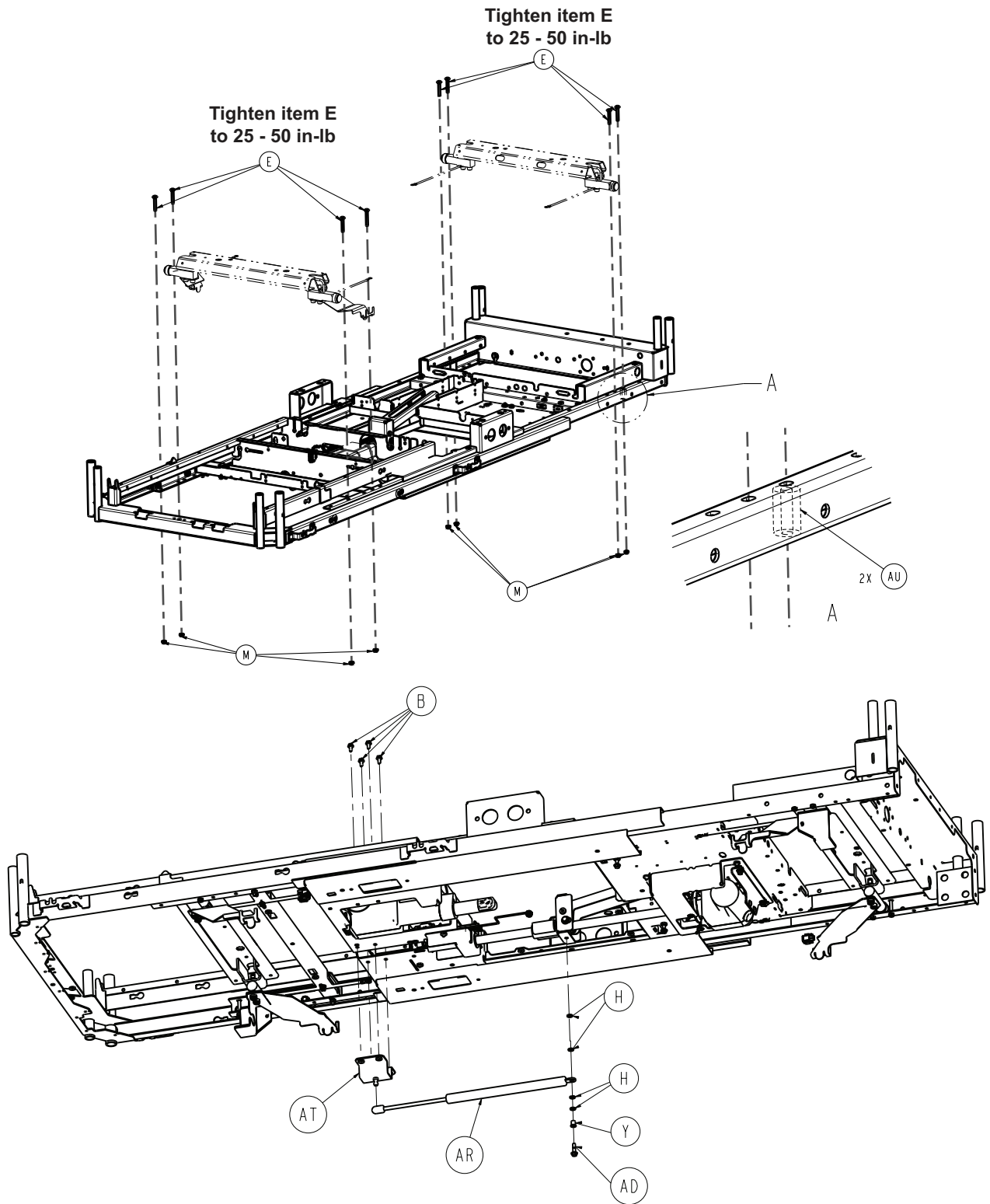
Item	Number	Name	Quantity
M	0039-254-000	Power supply cord	1
P	0052-822-000	Snap in nyliner	2
R	0059-400-000	Circuit breaker	2
T	0059-745-000	Universal board mount	6
U	0059-773-000	Push spacer	4
V	0059-774-000	Locking circuit board support	1
W	2011-001-215	Grounding lug	1
Y	3000-300-058	Plunger switch	4
AA	3000-300-113	Cable tie	33
AB	3001-200-228	Mounting standoff	2
AC	3001-300-007	Jack screw	4
AD	3005-300-011	Guide rod	2
AE	3001-300-877	Siderail extension cable	1
AF	3002-300-874	Litter ground jumper	2
AG	3003-300-803	CPU to siderail sensor cable	1
AH	3005-200-003	<i>Base assembly, standard bed (page 93)</i>	1
AJ	3005-300-089	Mid litter cover	1
AK	3005-300-157	Power supply	1
AM	3005-300-197	<i>Mechanical litter assembly (page 132)</i>	1
AN	3005-300-808	Signal coil cord	1
AP	3005-300-861	Power assembly harness	1
AR	3001-300-865	Motion interrupt lift sensor cable	1
AT	3005-300-881	Power inlet cable	1
AU	300505080900	CPU assembly	1
AV	3006-301-023	Cross support cover, white	1
AW	3006-410-020	<i>Night light assembly - 3006-410-020 (page 142)</i>	1
AY	0011-077-000	Washer	4

Mechanical litter assembly

3005-300-197 Rev D (Reference only)





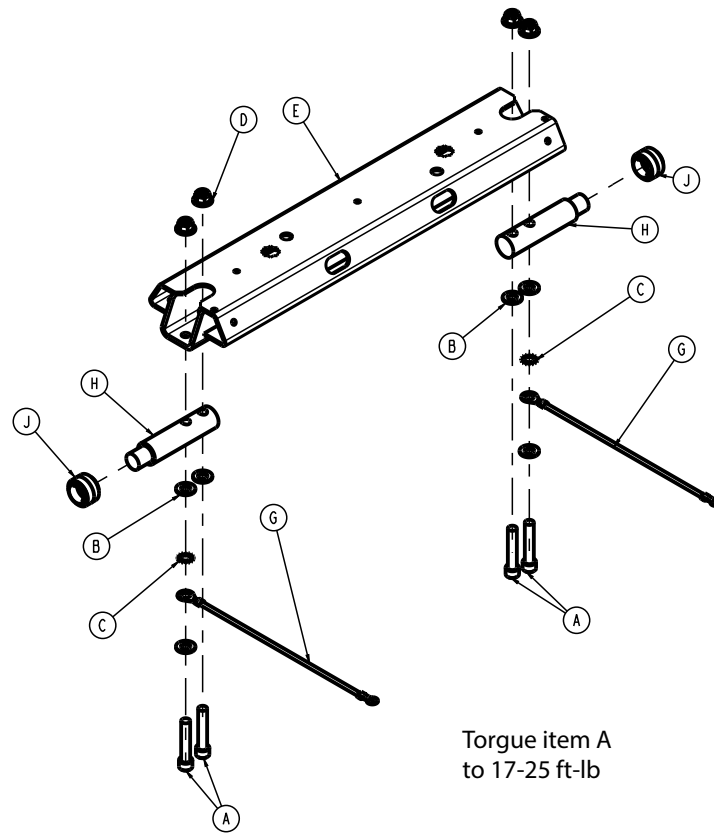


Item	Number	Name	Quantity
A	0007-058-000	Truss head Torx screw	1
B	0003-221-000	Hex washer head screw	14
C	0004-211-000	Socket head cap screw	6
D	0005-024-000	Carriage bolt	2
E	0005-046-000	Carriage bolt	8
F	0011-002-000	Washer	1

Item	Number	Name	Quantity
G	0011-063-000	Washer	2
H	0011-448-000	Washer	4
J	0013-010-000	External tooth lock washer	4
K	0013-018-000	External tooth lock washer	2
M	0016-006-000	Hex kep nut	10
N	0016-093-000	Flange nut	6
P	0023-251-000	Truss head screw	2
R	0026-279-000	Clevis pin	1
T	0027-022-000	Rue ring cotter	1
W	0028-122-000	Retaining ring	1
X	0052-800-000	Grommet	2
Y	0052-818-000	Flange bearing	1
AA	3000-300-009	Support screw bushing	1
AB	3000-300-352	Roller shaft	6
AC	3000-300-353	Roller	6
AD	3001-200-229	Mounting standoff	1
AE	3002-300-870	8" litter ground jumper	4
AF	3002-301-491	Support screw bracket	1
AG	3002-343-035	<i>Standard bed Fowler limit switch assembly - 3002-343-035 (page 141)</i>	1
AH	3005-300-205	Moving frame weldment	1
AJ	3005-300-269	Connector mounting bracket	1
AK	3005-300-303	Stationary frame weldment	1
AM	3005-300-420	DC Gatch motor	1
AN	3005-300-550	<i>Fowler drive assembly (page 139)</i>	1
AP	3006-301-370	Cross support bracket	1
AR	3006-345-488	CPR damper	1
AT	3006-345-490	Damper mount assembly bracket	1
AU	3005-300-004	Carriage bolt spacer	2

Lift header assembly - no load cells

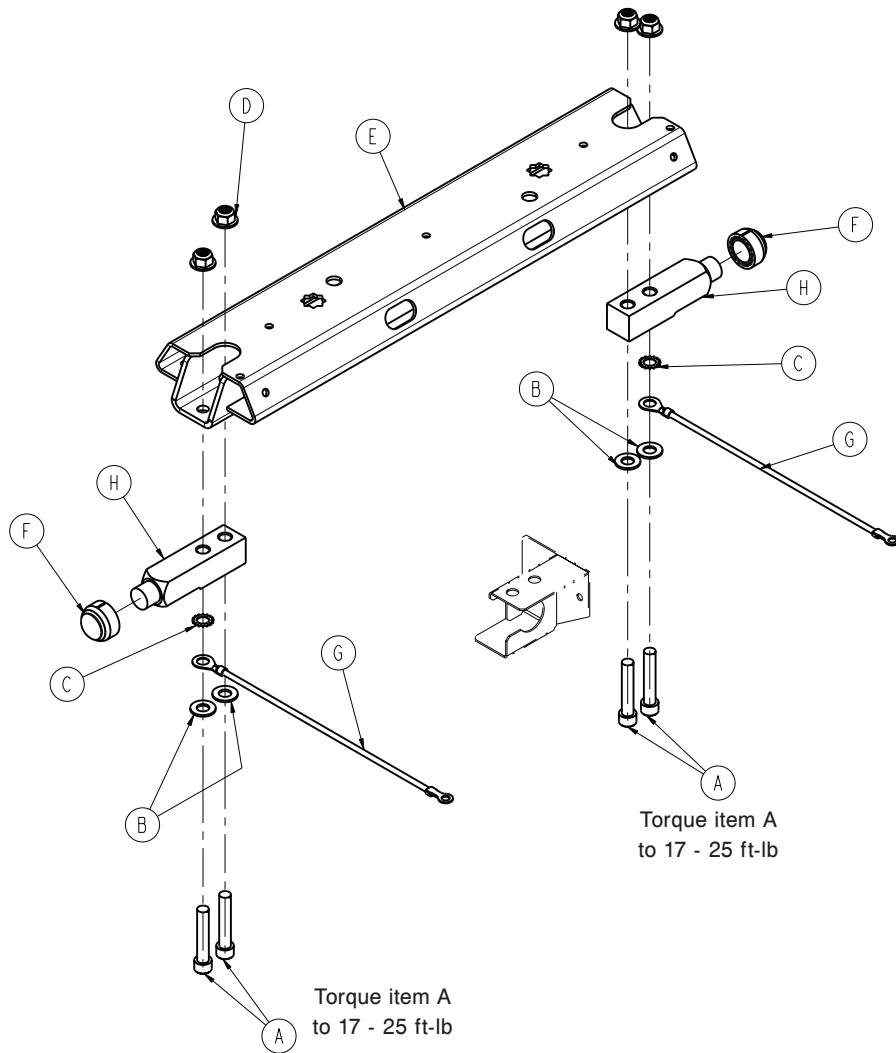
3006-300-500 Rev AA (Reference only)



Item	Number	Name	Quantity
A	0004-288-000	Hex socket head cap screw	4
B	0011-004-000	Flat washer	6
C	0013-032-000	External tooth lock washer	2
D	0016-010-000	Hex flanged Nylock nut	4
E	3006-301-530	Lift header assembly	1
F			
G	3002-300-871	Ground jumper	2
H	3001-300-511	Imitation load cell	2
J	3000-300-353	Roller	2

Lift header assembly with load cells, head end

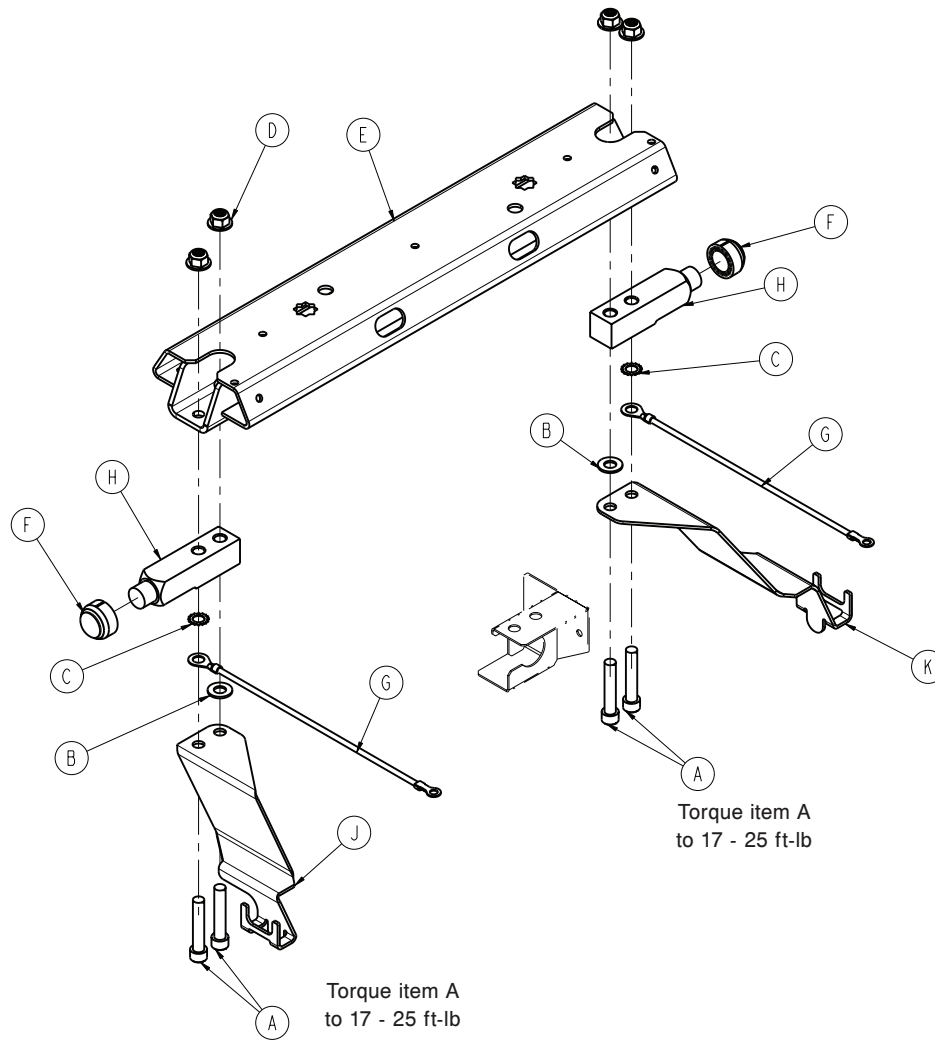
3006-307-501 Rev AA (Reference only)



Item	Number	Name	Quantity
A	0004-288-000	Hex socket head cap screw	4
B	0011-004-000	Flat washer	4
C	0013-032-000	External tooth lock washer	2
D	0016-010-000	Hex flanged Nylock nut	4
E	3006-301-530	Lift header assembly	1
F	3002-300-353	Roller cap	2
G	3002-300-871	Ground jumper	2
H	3002-307-057	Load cell - 250 lb	2

Lift header assembly with load cells/isolated Foley bag hooks, foot end

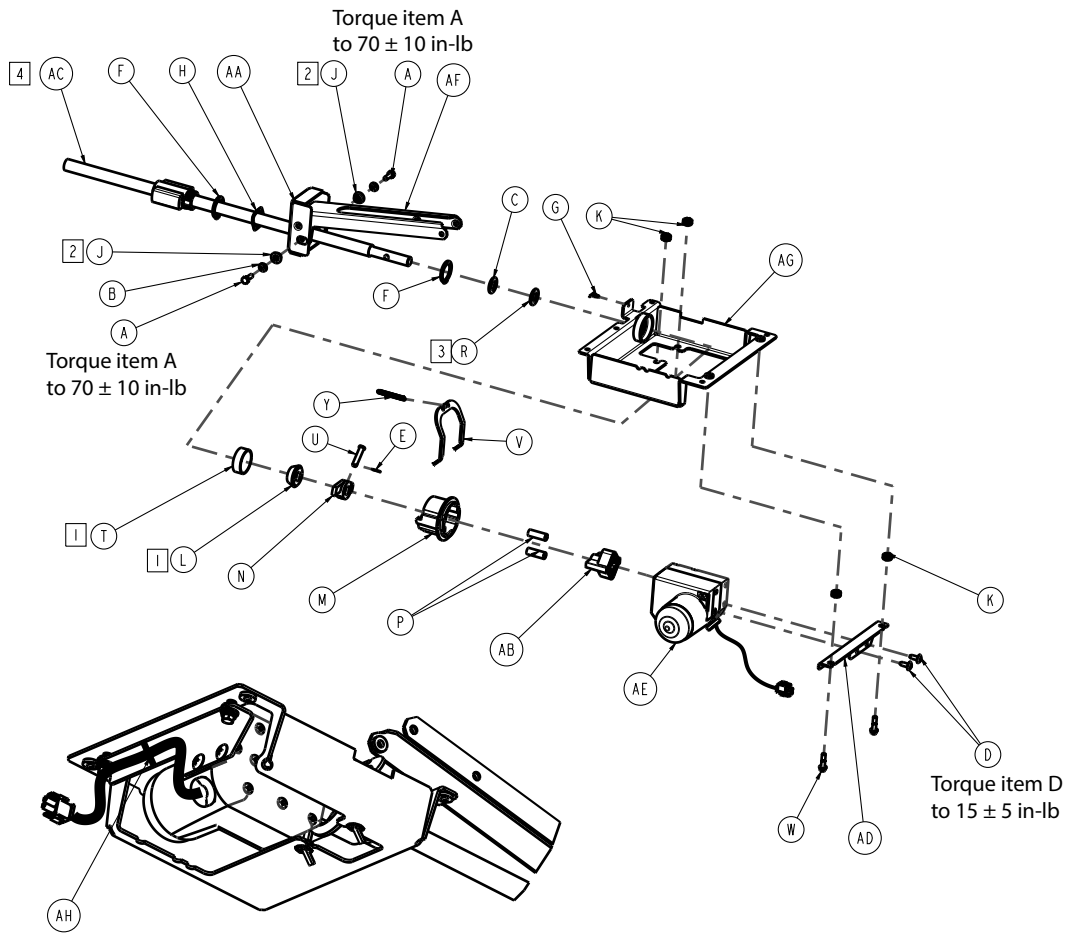
3006-326-501 Rev AA (Reference only)



Item	Number	Name	Quantity
A	0004-288-000	Hex socket head cap screw	4
B	0011-004-000	Flat washer	2
C	0013-032-000	External tooth lock washer	2
D	0016-010-000	Hex flanged Nylock nut	4
E	3006-301-530	Lift header assembly	1
F	3002-300-353	Roller cap	2
G	3002-300-871	Ground jumper	2
H	3002-307-057	Load cell - 250 lb	2
J	3006-326-010	Isolated Foley bag hook, left	1
K	3006-326-020	Isolated Foley bag hook, right	1

Fowler drive assembly

3005-300-550 Rev AA (Reference only)



Notes:

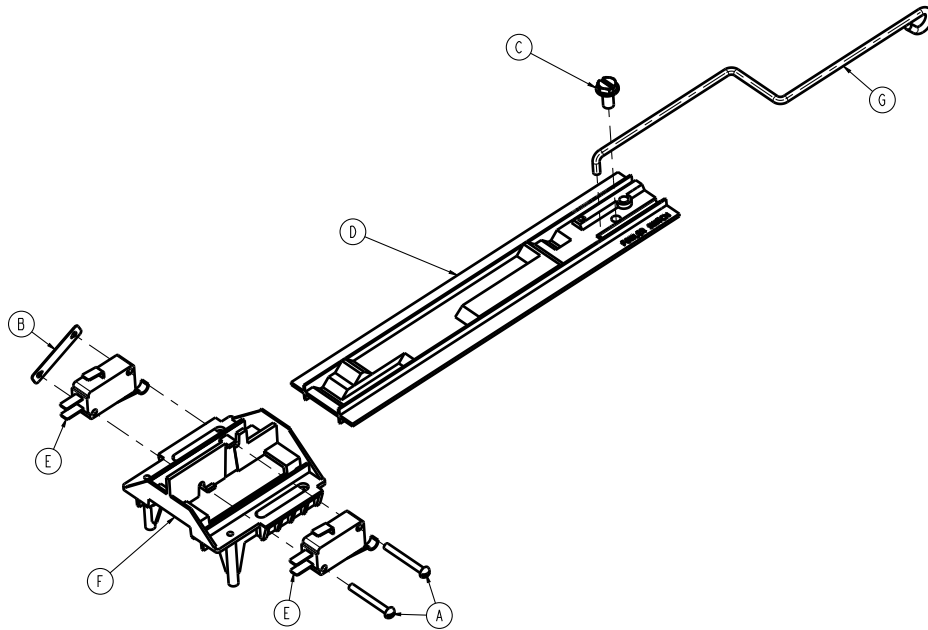
1	Apply Syn-tech #NS-18191-G grease or equivalent to tapered bearing and housing (item L and item T).
2	After assembly, apply Syn-tech #NS-18191-G grease or equivalent to O.D. of litter pivot bushing (item J).
3	Apply Syn-tech #NS-18191-G grease or equivalent to both sides of thrust bearing (item R).
4	After assembly, apply Mobil #28 grease to entire length of ball screw (item AC).

Item	Number	Name	Quantity
A	0003-214-000	Hex head cap screw	2
B	0011-002-000	Flat washer	2
C	0014-083-000	Flat race washer	1
D	0023-092-000	Truss head screw	2
E	0027-017-000	Cotter pin	1
F	0028-120-000	External retaining ring	2
G	0029-021-000	Dart type clip	1

Item	Number	Name	Quantity
H	0038-478-000	Wave spring	1
J	3000-300-099	Litter pivot bushing	2
K	3000-300-442	Fowler drive grommet	4
L	3000-300-444	Tapered bearing, CPR	1
M	3000-300-461	CPR decoupler	1
N	3000-300-462	CPR wing	1
P	3000-300-464	CPR engagement spring	2
R	3000-300-466	Thrust bearing	1
T	3000-300-471	Tapered bearing housing, CPR	1
U	3000-300-473	Clevis pin	1
V	3000-300-658	CPR release arm	1
W	3001-200-228	Mounting standoff	2
Y	3001-300-664	CPR spring	1
AA	3002-300-493	Fowler link bracket	1
AB	3005-300-456	CPR isolator	1
AC	3005-300-457	CPR ball screw	1
AD	3005-300-487	DC Fowler mount bracket	1
AE	3005-300-705	DC Fowler motor assembly	1
AF	3006-301-496	Fowler link	1
AG	3006-302-485	Fowler actuator weldment	1
AH	3000-300-113	8" cable tie	1

Standard bed Fowler limit switch assembly - 3002-343-035

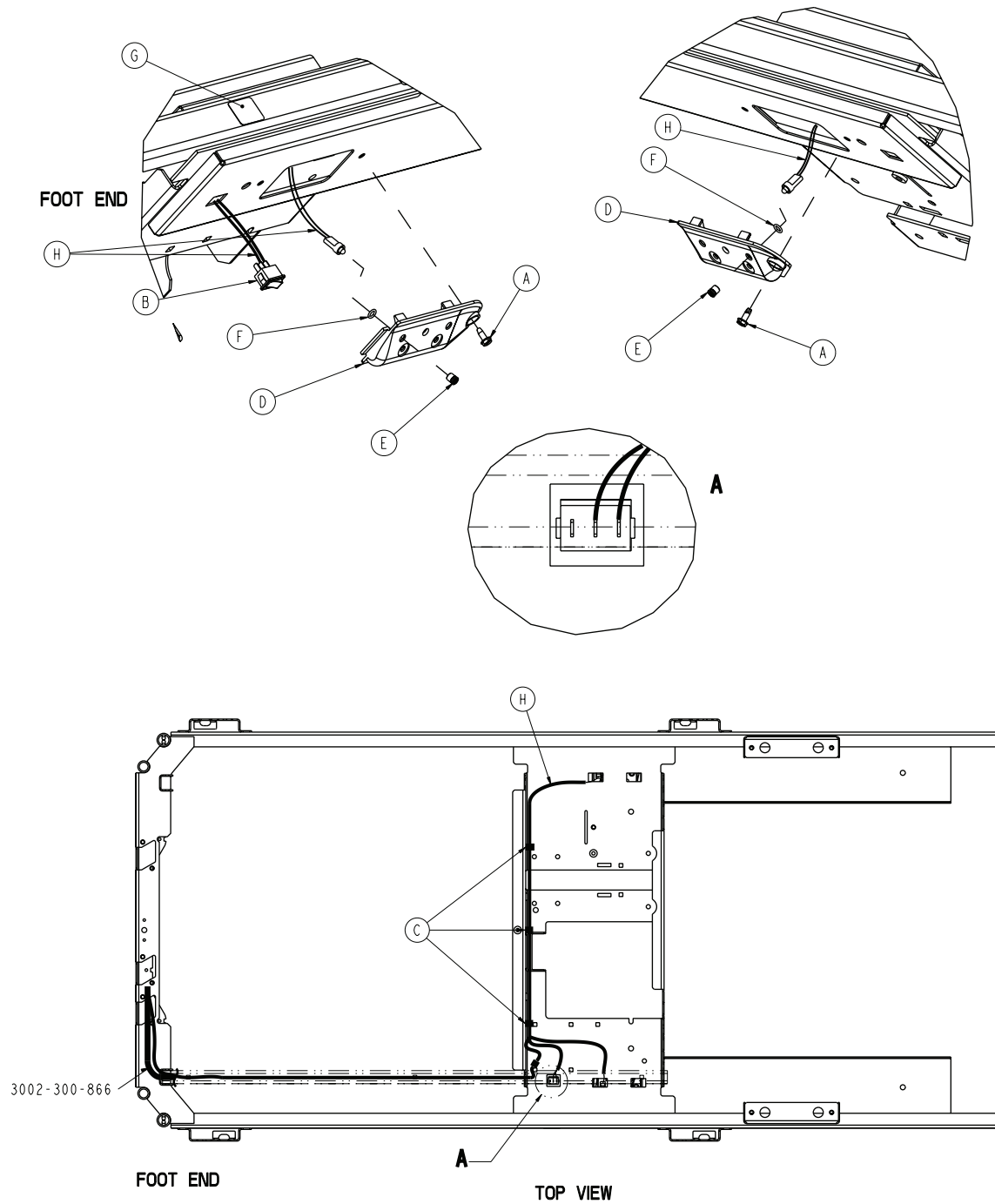
Rev AA (Reference only)



Item	Number	Name	Quantity
A	0002-003-000	Round head screw	2
B	0016-069-000	Twin type fastener	1
C	0016-129-000	Hex washer head screw	1
D	3000-300-036	Gatch/Fowler cam	1
E	3005-300-141	Micro switch	2
F	3000-300-044	Cam guide	1
G	3002-300-038	Link wire	1

Night light assembly - 3006-410-020

Rev A (Reference only)

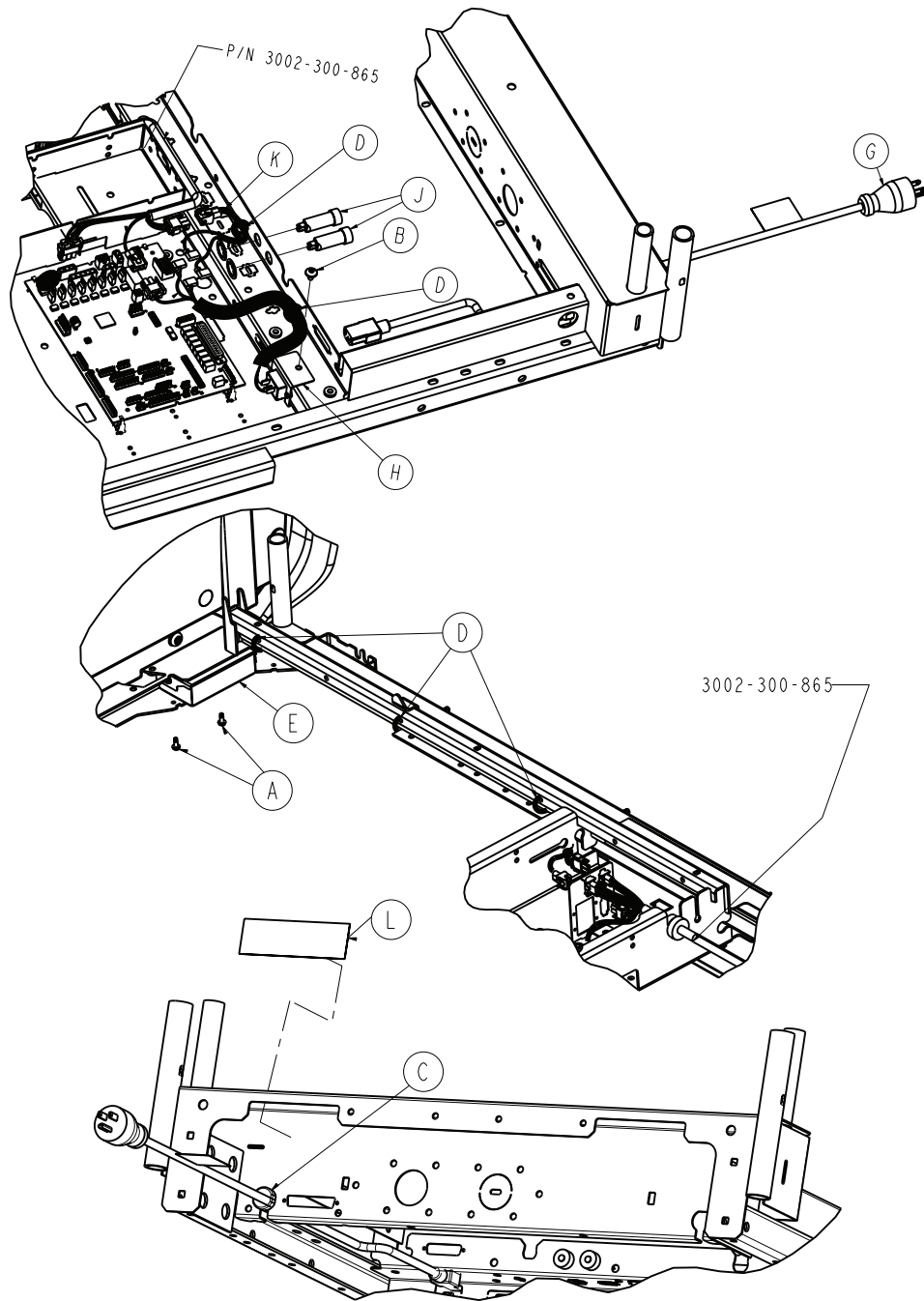


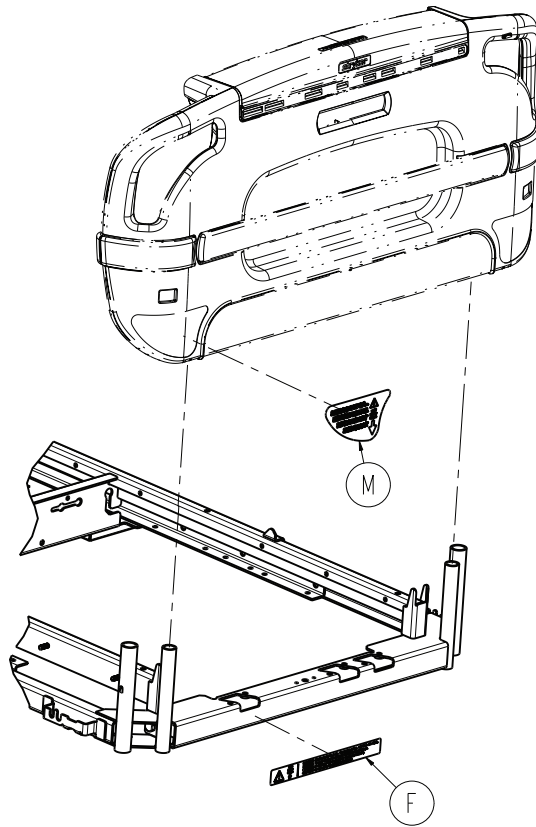
Item	Number	Name	Quantity
A	0003-224-000	Hex washer head screw	2
B	0059-191-000	Toggle switch	1
C	3000-300-113	8" cable tie	3
D	3002-310-018	Night light cover	2
E	3002-310-010	LED lens	2

Item	Number	Name	Quantity
F	3002-310-025	Retaining spacer	2
G	3006-310-601	Night light label	1
H	3002-036-801	Night light wiring harness	1

110V option assembly - 3006-320-050

Rev D (Reference only)

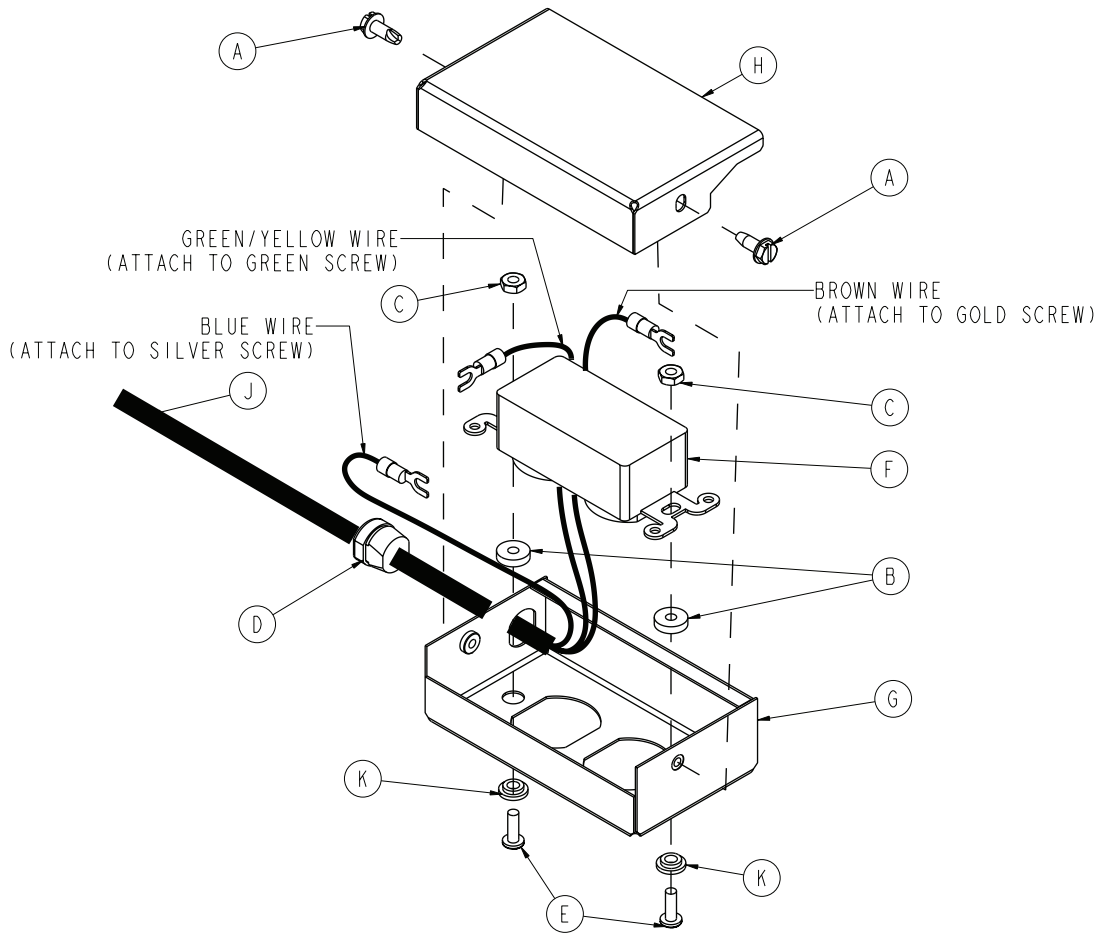




Item	Number	Name	Quantity
A	0003-224-000	Hex washer head screw	2
B	0007-053-000	Truss head Torx	1
C	0030-027-000	Straight thru strain relief bushing	1
D	3000-300-113	8" cable tie	5
E	3006-320-060	110V outlet box assembly - 3006-320-060 (page 146)	1
F	3006-320-626	110V outlet label	1
G	3002-320-801	Power cord	1
H	3002-320-878	110V outlet power inlet cable	1
J	0059-196-000	Circuit breaker with clip retainer	2
K	3002-320-803	110V power jumper cable	1
L	3002-320-625	Electrical shock hazard label	1
M	3006-508-015	110V option label	1

110V outlet box assembly - 3006-320-060

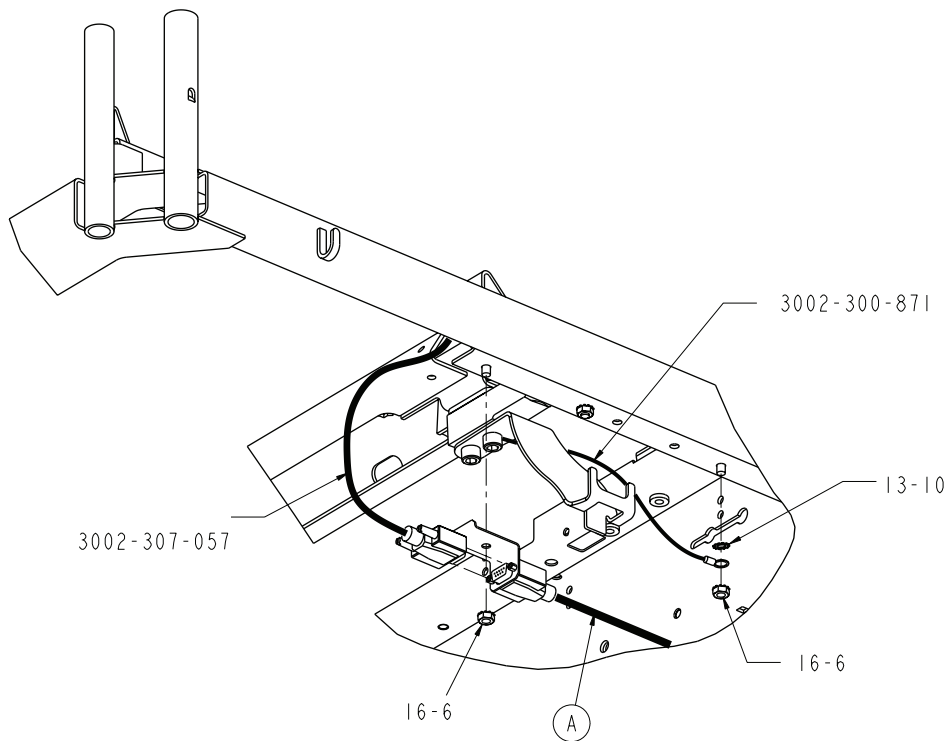
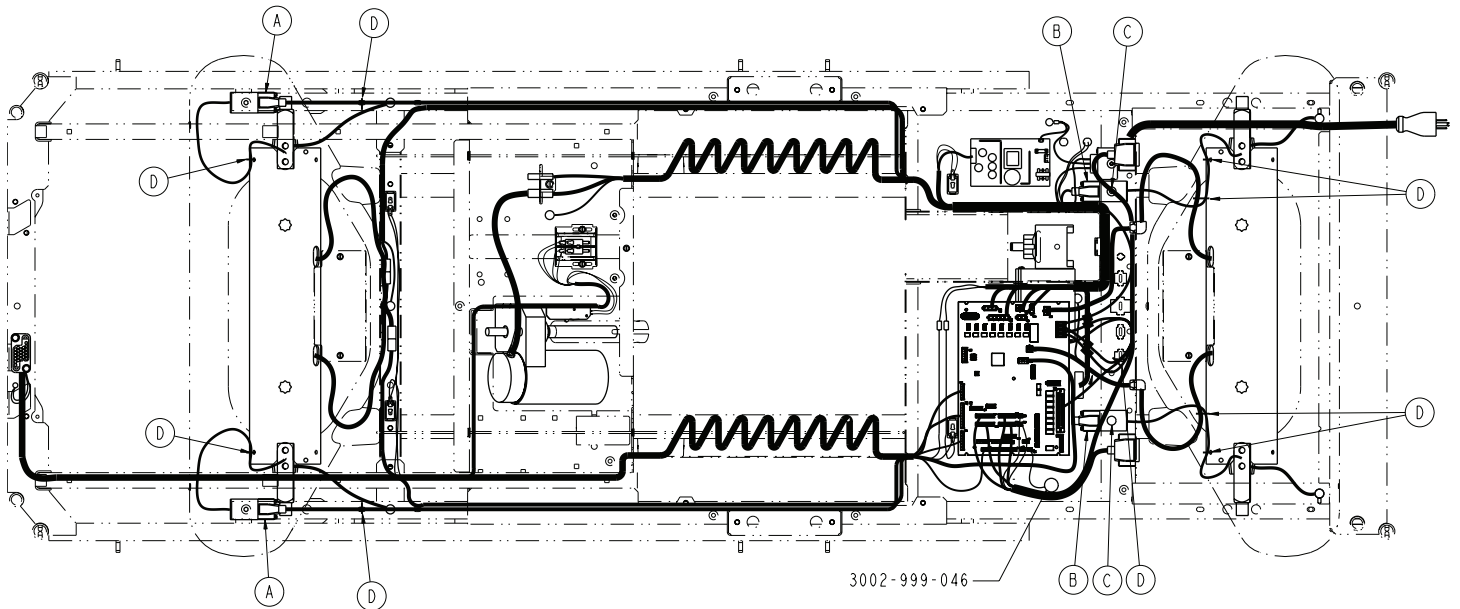
Rev A (Reference only)



Item	Number	Name	Quantity
A	0003-224-000	Hex washer head screw	2
B	0052-318-000	Unthreaded round spacer	2
C	0016-014-000	Fiberlock nut	2
D	0034-133-000	Strain relief	1
E	0004-265-000	Button head cap screw	2
F	0059-733-000	Hospital grade receptacle	1
G	3006-321-020	110V outlet box	1
H	3006-321-021	110V outlet box cover	1
J	3002-320-802	110V outlet cable	1
K	0052-317-000	Short barrel shoulder washer	2

Scale/Bed Exit option assembly

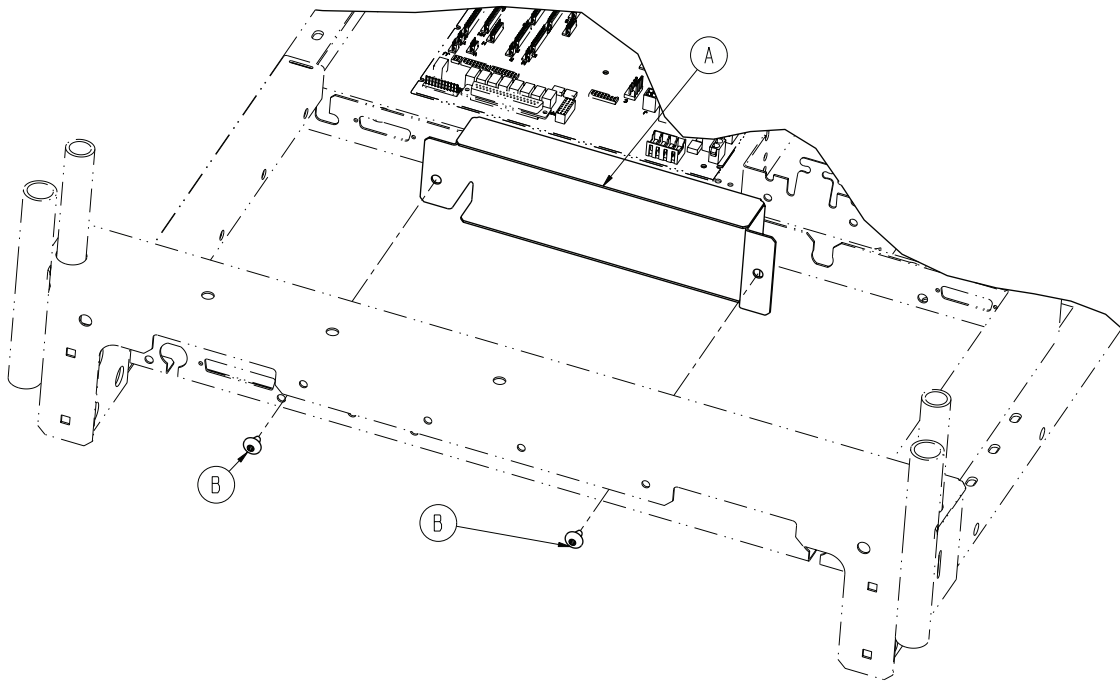
3002-317-003 Rev A (Reference only)



Item	Number	Name	Quantity
A	3002-317-835	FE load cell cable	2
B	3002-317-834	HE load cell cable	2
C	0007-053-000	Truss head Torx screw	2
D	3000-300-113	8" cable tie	9

iBed Wireless exit, no pendant port, option

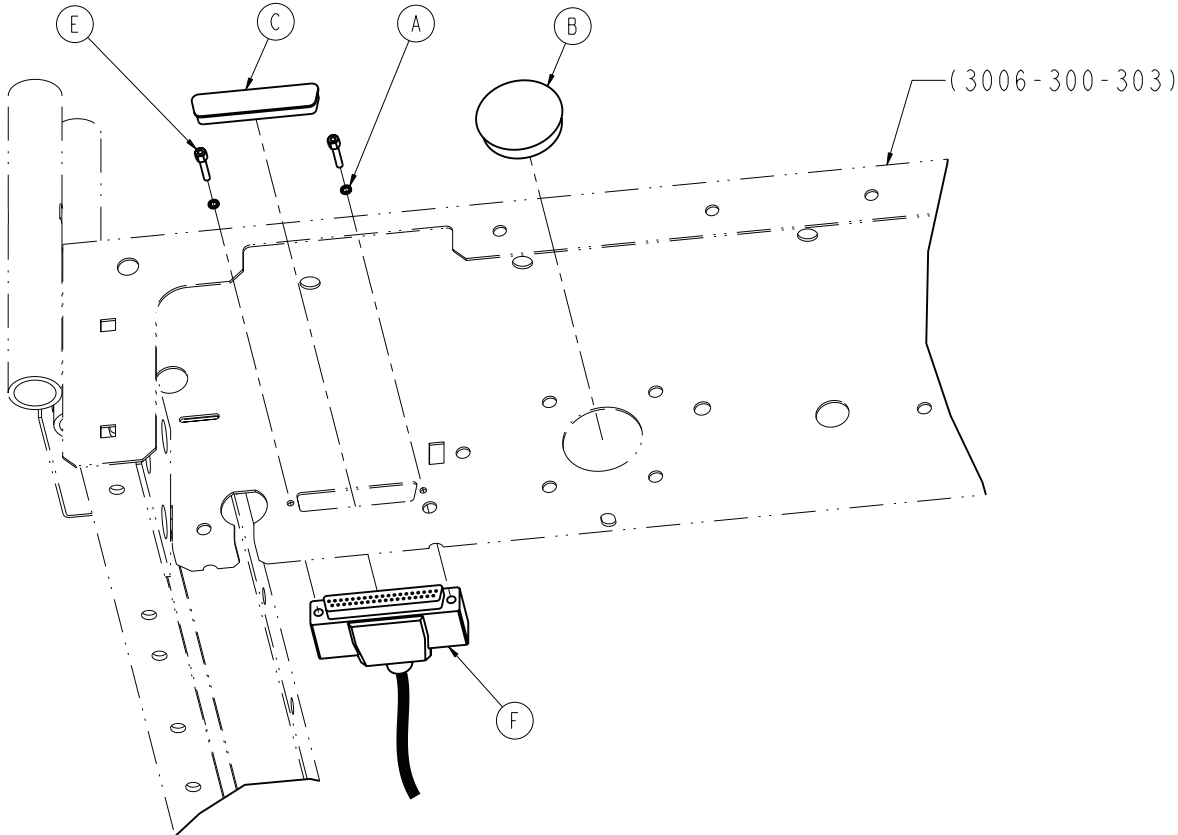
3005-999-068 Rev A (Reference only)

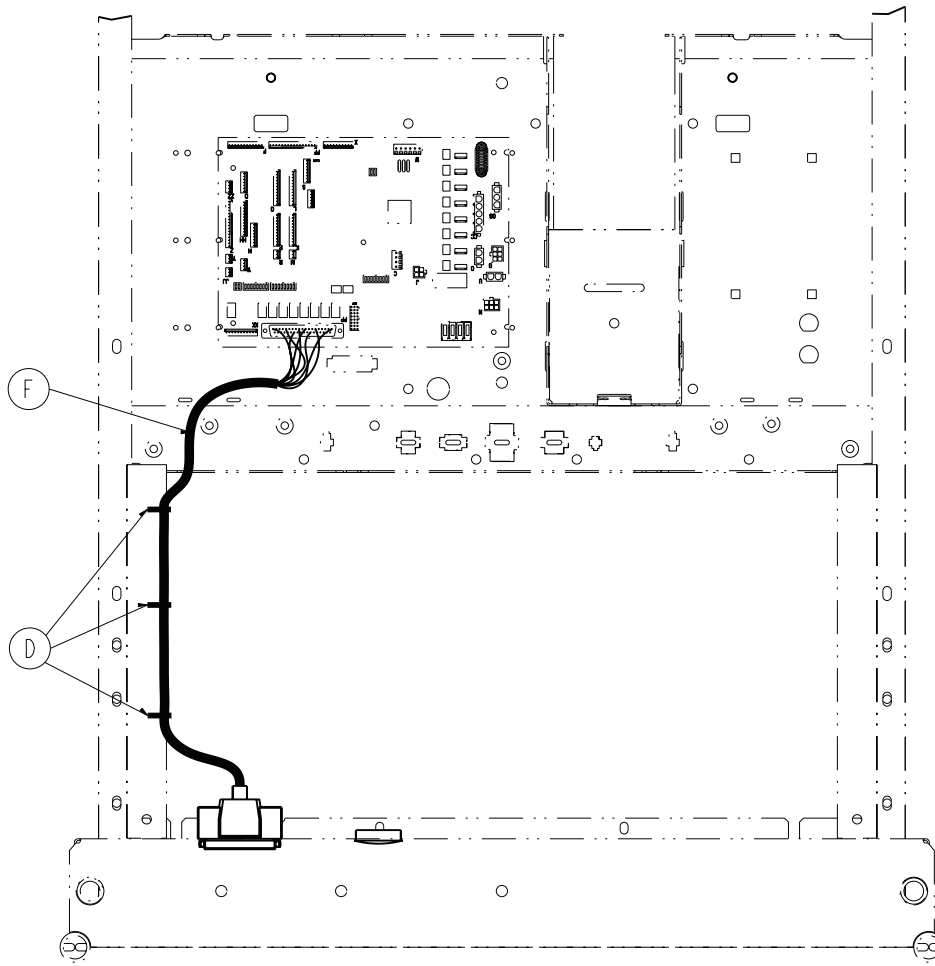


Item	Number	Name	Quantity
A	3006-316-006	Pendant port cover	1
B	0007-053-000	Tapping head screw	2

Litter assembly, communication capability option

3006-303-122 Rev A (Reference only)

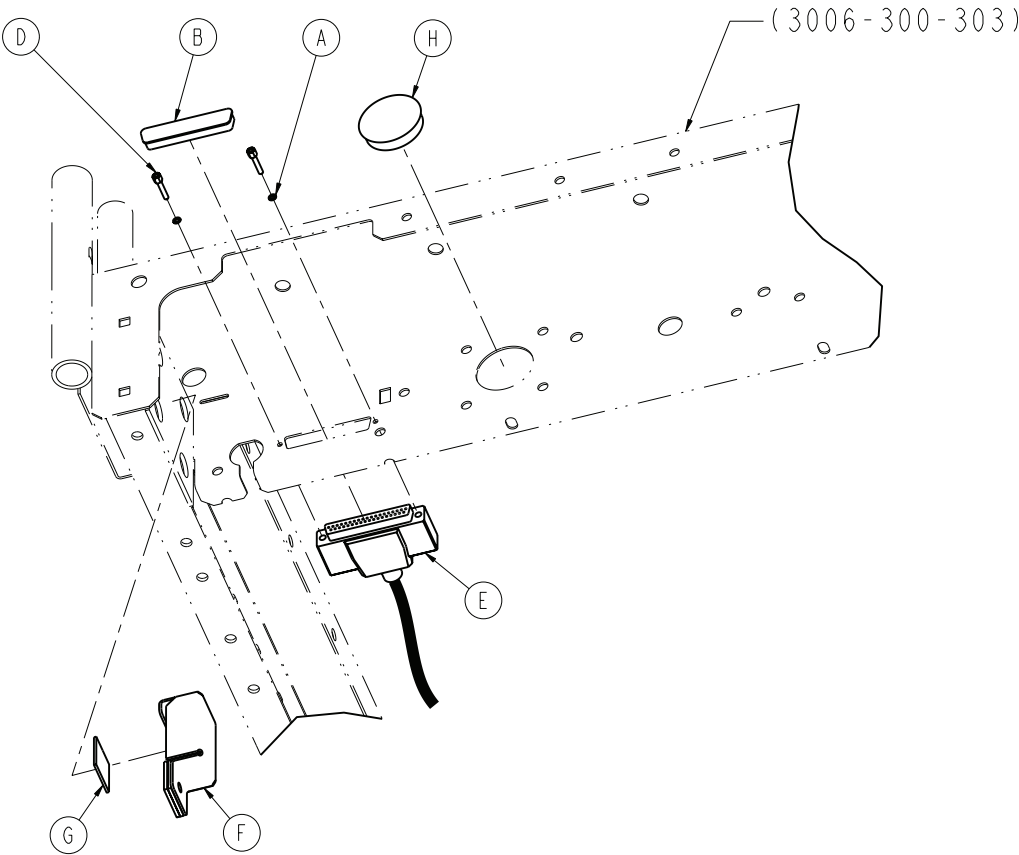


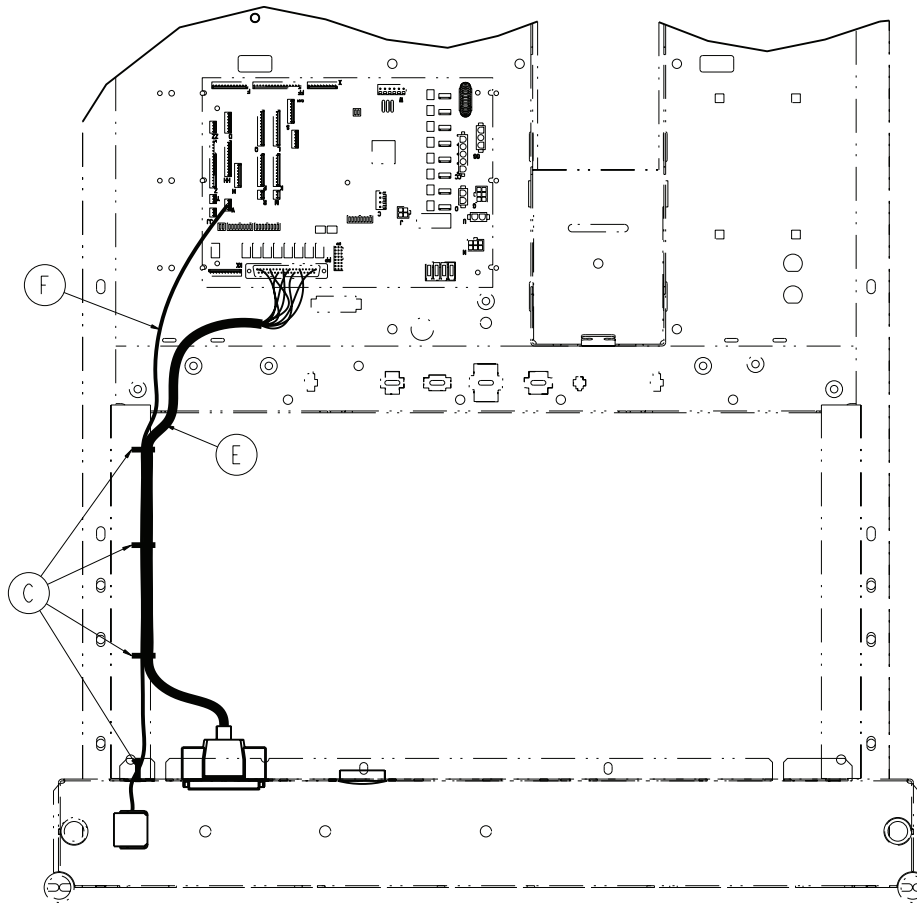


Item	Number	Name	Quantity
A	0012-046-000	Split lock washer	2
B	0037-220-000	Hole plug	1
C	0059-710-000	Caplug DCC	1
D	3000-300-113	8" cable tie	3
E	3001-300-007	Screw - jack	2
F	3001-303-821	Headwall interface cable	1

Litter assembly, nurse call and communication option

3006-303-052 Rev C (Reference only)

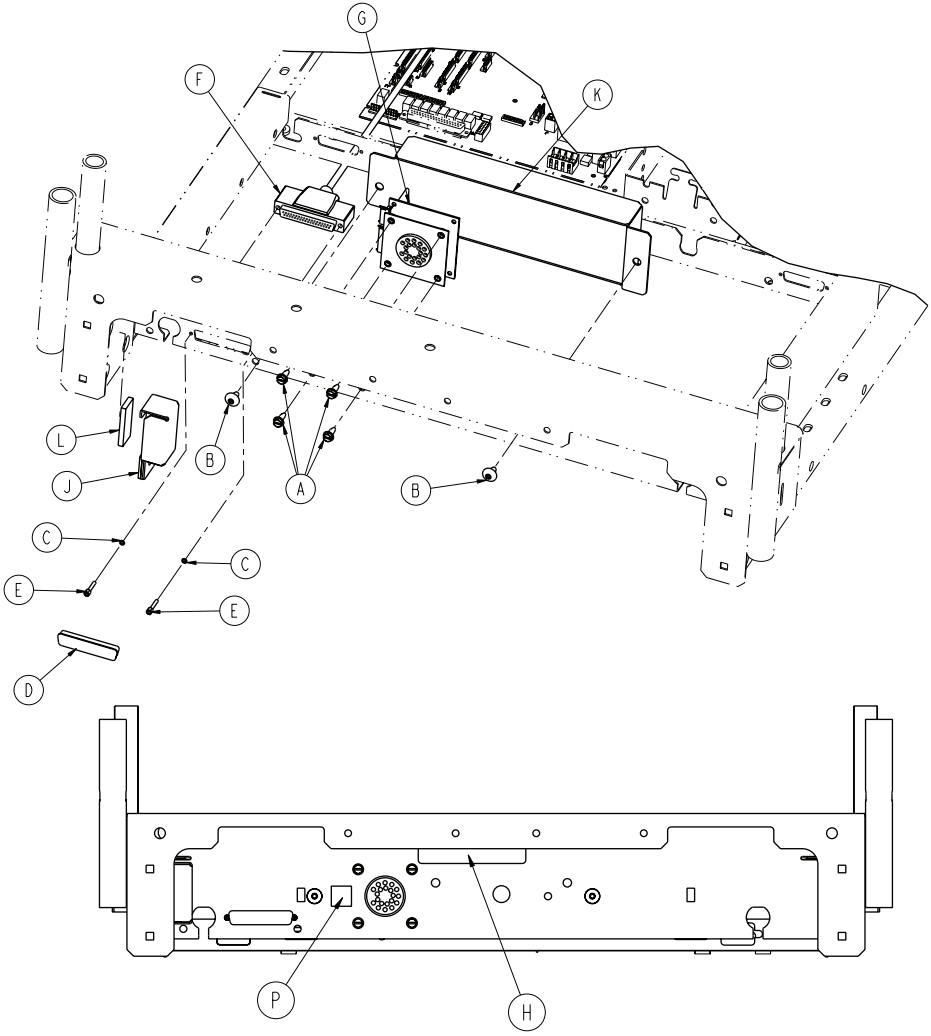


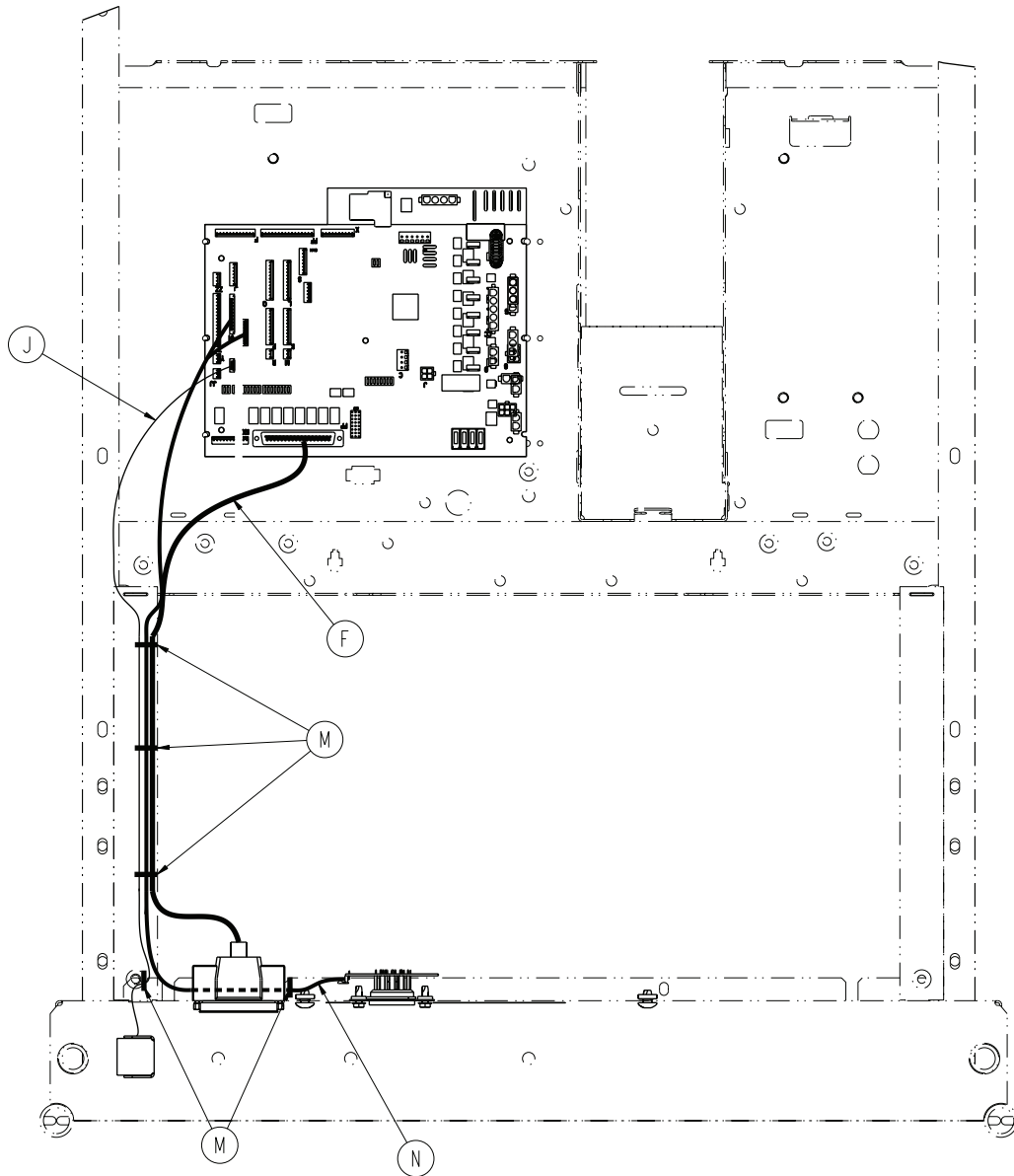


Item	Number	Name	Quantity
A	0012-046-000	Split lock washer	2
B	0059-710-000	Caplug DCC	1
C	3000-300-113	8" cable tie	4
D	3001-300-007	Screw - jack	2
E	3001-303-821	Headwall interface cable	1
F	3006-303-045	Battery enclosure assembly (page 157)	1
G	0044-029-000	1" tape	1
H	0037-220-000	Hole plug	1

Litter assembly, HWI with Stryker port option

3005-314-012 Rev A (Reference only)

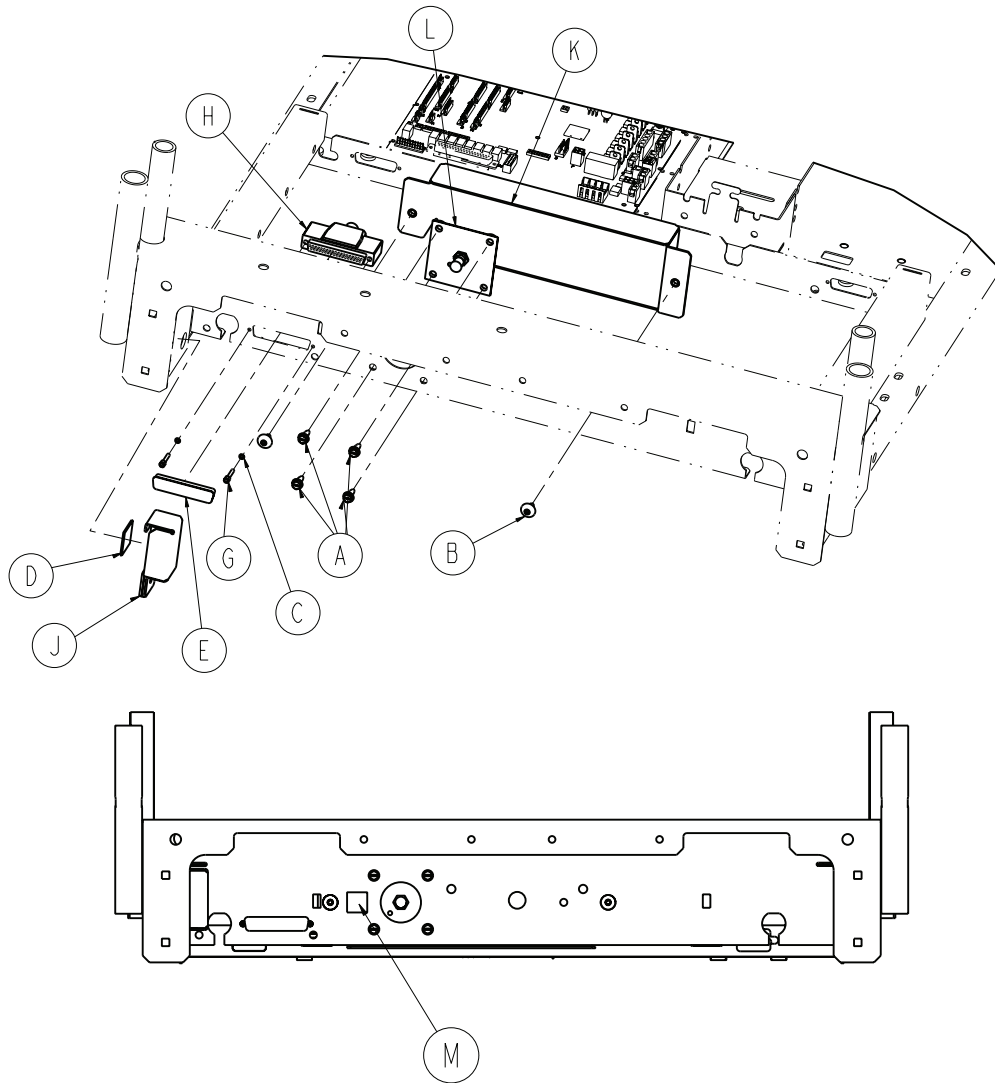


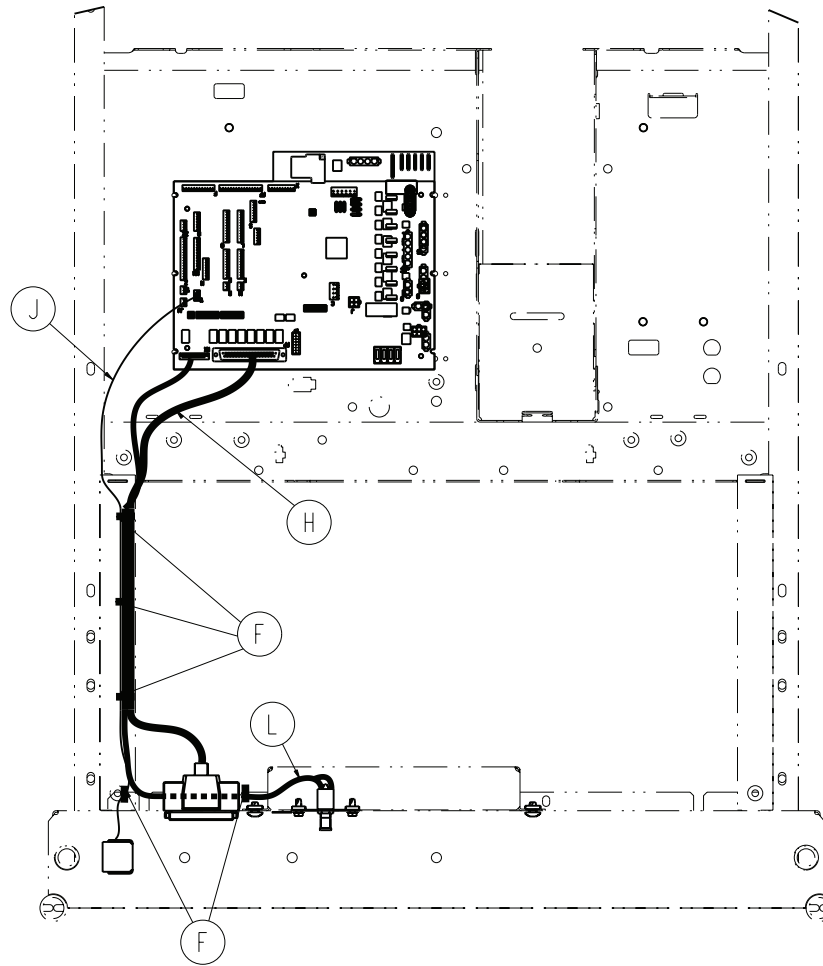


Item	Number	Name	Quantity
A	0003-224-000	Hex washer head screw	4
B	0007-053-000	Truss head screw	2
C	0012-046-000	Split lock washer	2
D	0059-710-000	Static plug	1
E	3001-300-007	Screw - jack	2
F	3001-303-821	Headwall interface cable	1
G	3001-314-920	HWI pendant port PCB assembly	1
H	3006-090-028	Label, cord out	1
J	3006-303-045	Battery enclosure assembly (page 157)	1
K	3006-316-006	Pendant port cover	1
L	0044-029-000	1" foam tape	1
M	3000-300-113	8" cable tie	5
N	3002-314-821	Pendant port cable	1
P	4701-090-057	Label, static sensitive	1

Litter assembly, nurse call and 1/4 in. port option

3005-314-013 Rev A (Reference only)

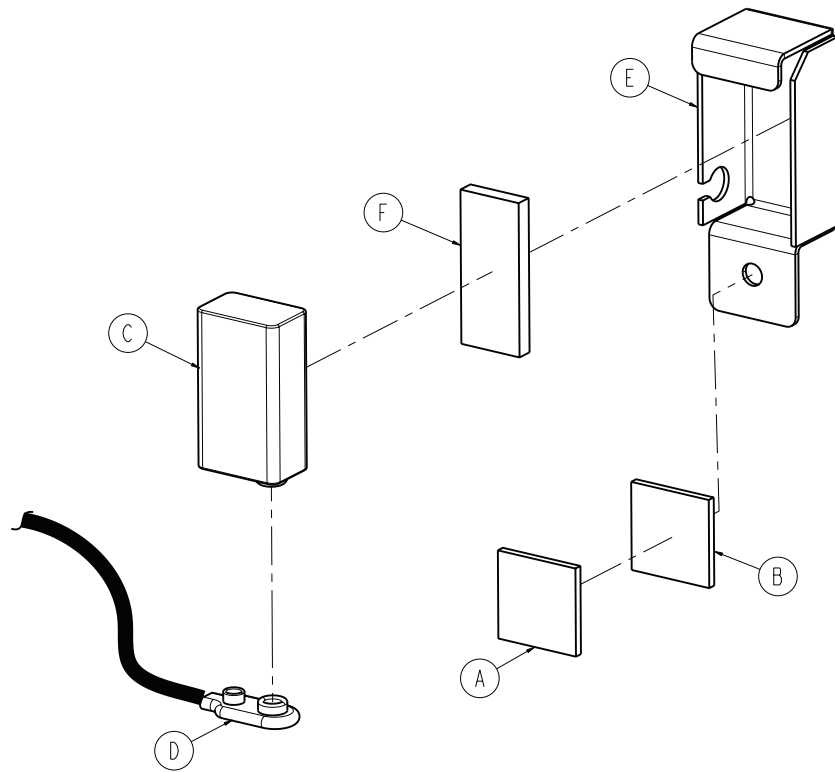




Item	Number	Name	Quantity
A	0003-224-000	Hex washer head screw	4
B	0007-053-000	Truss head screw	2
C	0012-046-000	Split lock washer	2
D	0044-029-000	1" tape	1
E	0059-710-000	Caplug DCC	1
F	3000-300-113	8" cable tie	5
G	3001-300-007	Screw - jack	2
H	3001-303-821	Headwall interface cable	1
J	3006-303-045	Battery enclosure assembly (page 157)	1
K	3006-316-006	Pendant port cover, white	1
L	3006-383-100	1/4" headwall interface port assembly	1
M	4701-090-057	Label, static sensitive	1

Battery enclosure assembly

3006-303-045 Rev A (Reference only)

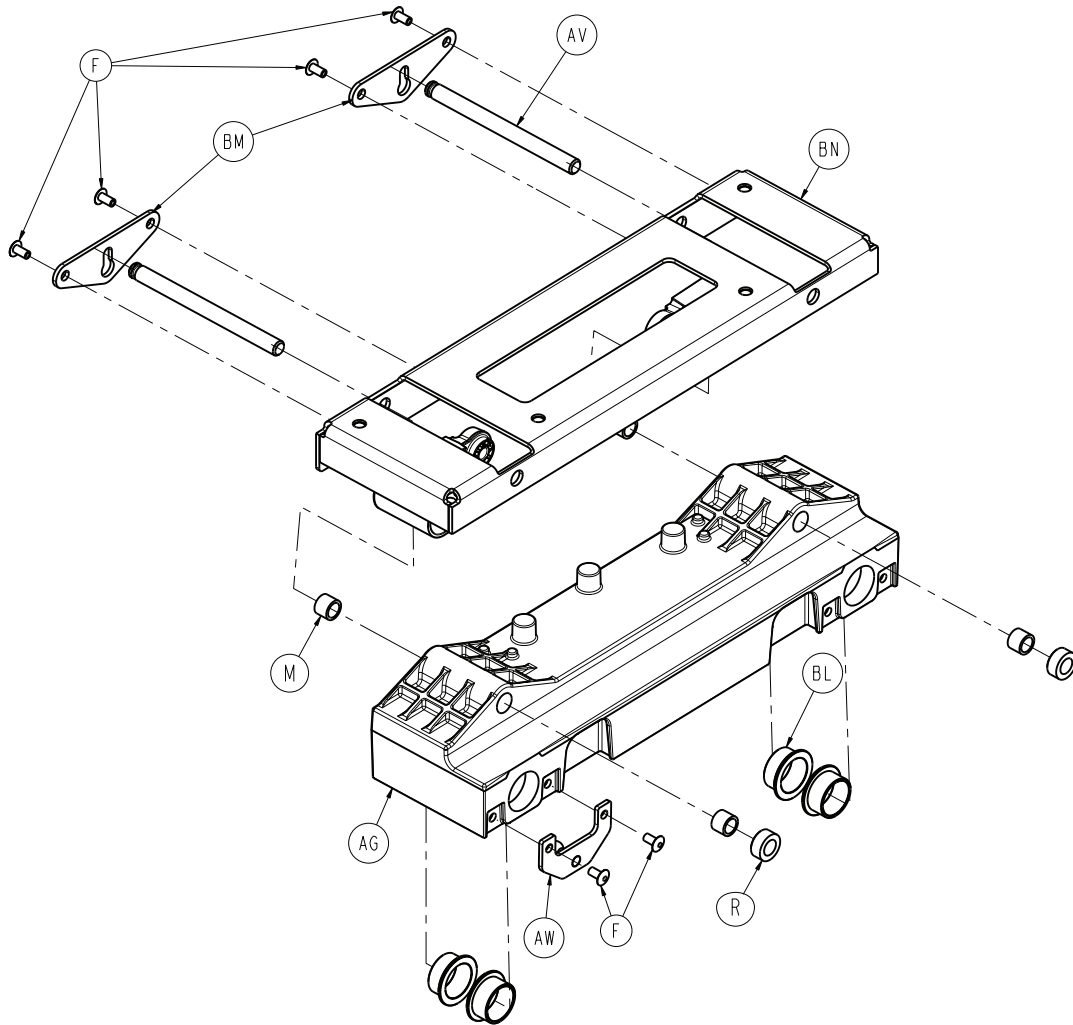


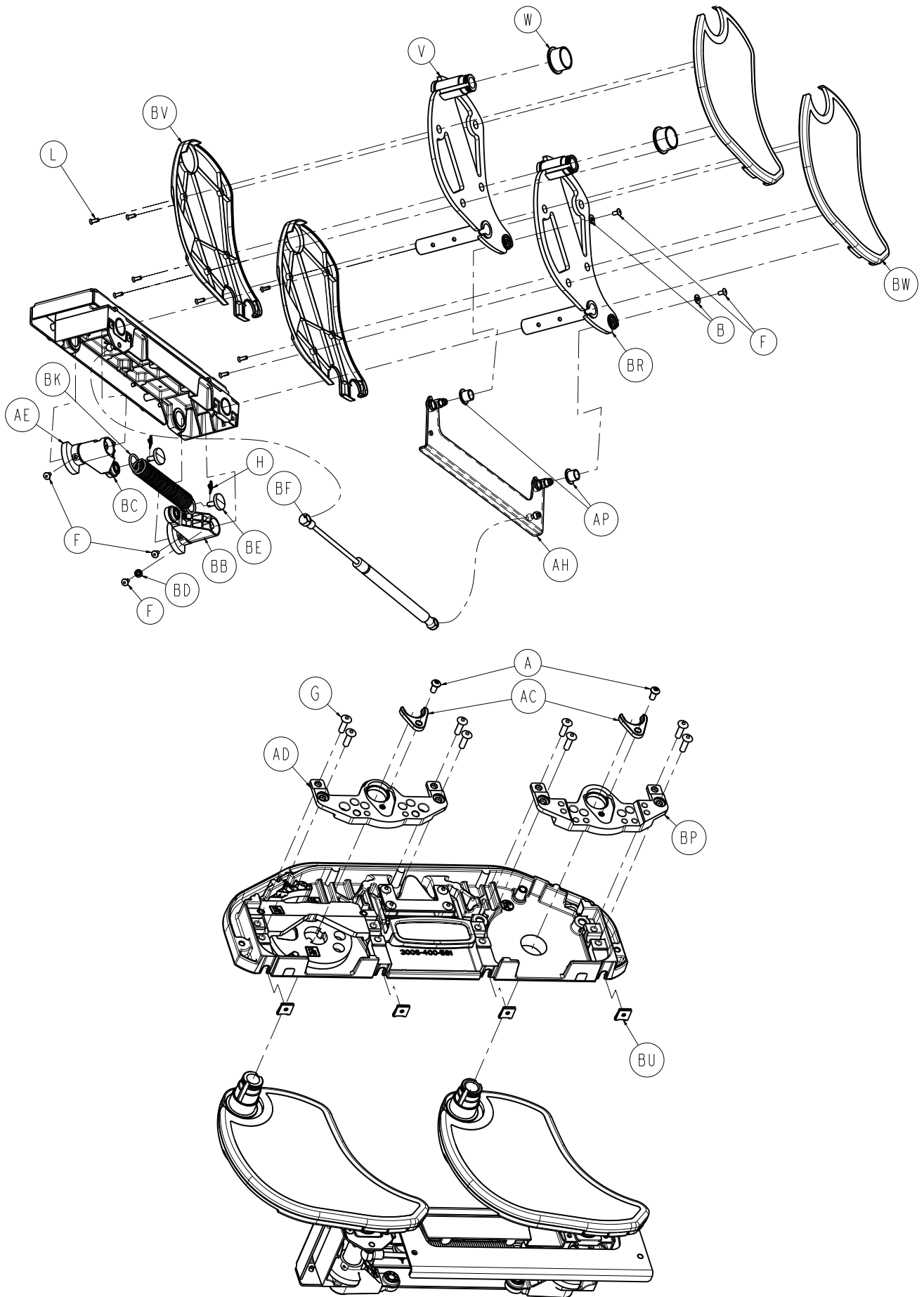
Item	Number	Name	Quantity
A	0029-008-000	Dual lock	1
B	0029-010-000	Dual lock	1
C	3000-303-871	Battery - 9v	1
D	3001-303-811	Battery cable	1
E	3006-304-012	Battery enclosure	1
F	7900-001-291	1.75" foam tape	1

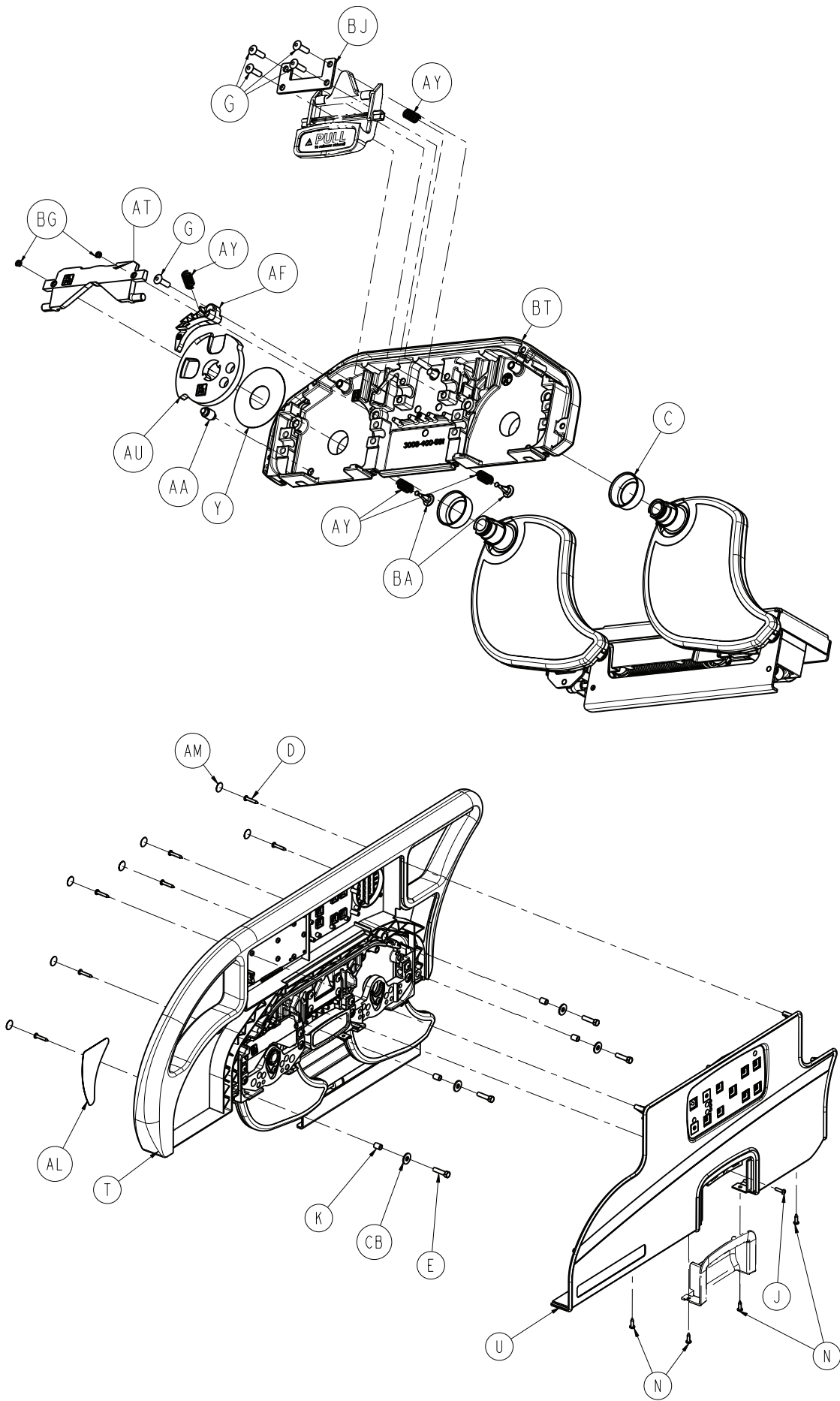
Head end siderail assembly

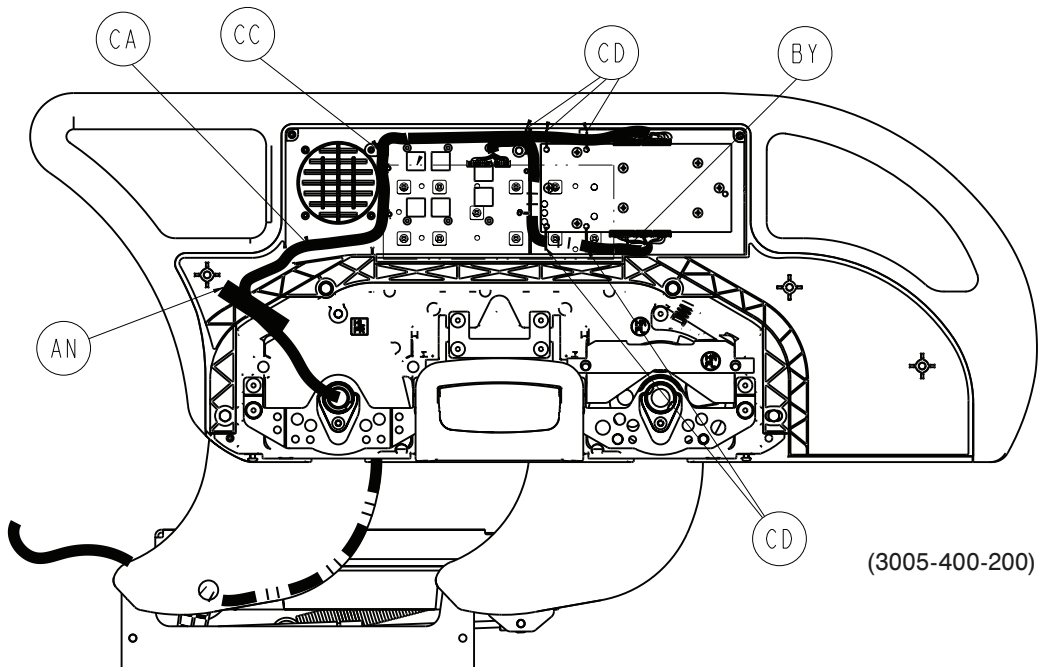
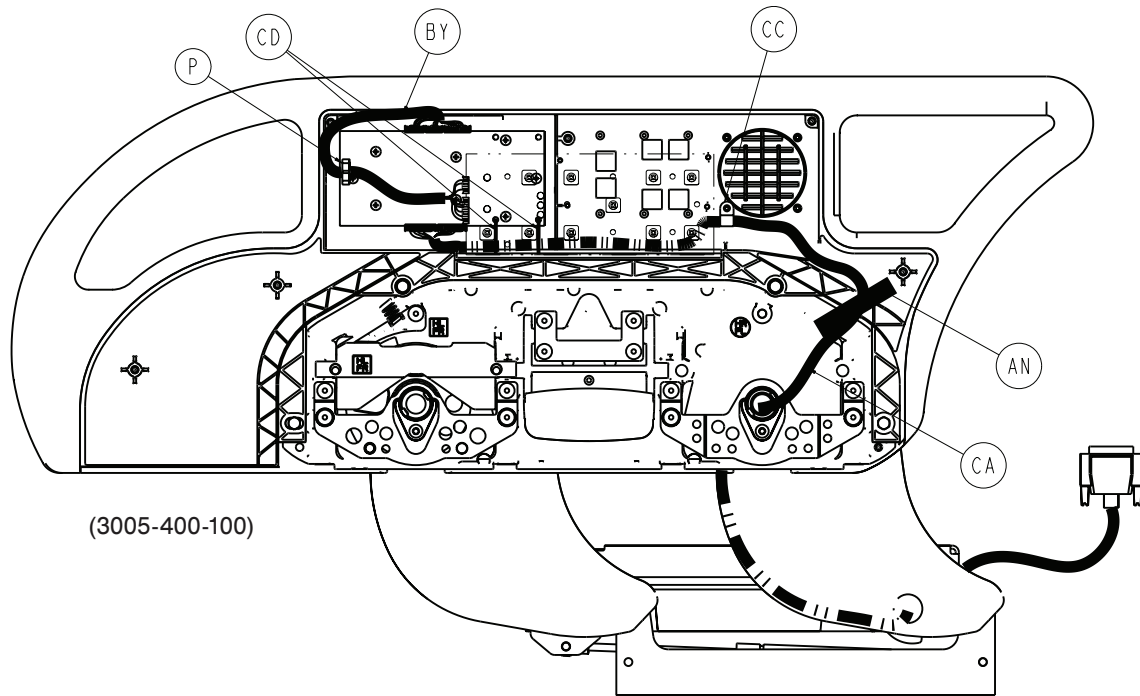
3005-400-100 Rev B (left) (Reference only)

3005-400-200 Rev B (right) (Reference only)









Head end siderail assembly 3005-400-100 Rev B (Reference only)

Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	2
B	0011-302-000	Washer	2
C	3006-400-497	Support plate boss cover	2
D	0023-076-000	Pan head tapping screw	7
E	0003-392-000	Hex head machine screw	4

Head end siderail assembly 3005-400-100 Rev B (Reference only)

Item	Number	Name	Quantity
F	0025-079-000	Dome head rivet	11
G	0025-147-000	Rivet	13
H	0027-020-000	Rue ring cotter	2
J	0050-005-000	Pan head machine screw	1
K	3006-400-574	Siderail spacer	4
L	0001-072-000	Flathead machine screw	8
M	3000-400-557	Sleeve bearing	4
N	0007-092-000	Pan head tapping screw	4
P	0059-088-000	Wire routing clip	1
R	3006-400-495	Siderail spacer	2
T	3006-400-130	<i>Siderail assembly, head end, inner panel (page 184)</i>	1
U	3006-400-125	<i>Head end siderail assembly, outer panel, left (page 182)</i>	1
V	3006-400-515	Arm weldment	1
W	3006-400-513	Bearing	2
Y	3006-400-514	Pivot washer	1
AA	3006-400-516	Hard stop pin	1
AC	3006-400-518	Pivot retainer clip	2
AD	3006-011-001	Latch and bearing assembly	1
AE	3006-400-524	Pivot retainer sleeve	2
AF	3006-400-505	Bypass arm	1
AG	3006-400-528	Machined siderail carrier	1
AH	3006-400-535	Timing link weldment	1
AL	3006-400-107	Label, siderail head end/foot end, left, blank	1
AM	3006-400-522	Label, siderail fastener cover	7
AN	3006-400-208	Label, cable restraint	1
AP	3006-400-532	Bearing	2
AT	3006-400-534	Latch plate	1
AU	3006-400-537	Latch disk	1
AV	3006-400-544	Glide rod, head end	2
AW	3006-400-540	Gas spring mounting bracket	1
AY	3006-400-549	Latch return spring	4

Head end siderail assembly 3005-400-100 Rev B (Reference only)

Item	Number	Name	Quantity
BA	3006-400-551	Spring plunger	2
BB	3006-400-552	Spring arm, a	1
BC	3006-400-553	Spring arm, b	1
BD	3006-400-554	Spring arm stop	1
BE	3006-400-557	Spring arm cap	2
BF	3006-400-560	Gas spring	1
BG	3006-400-561	Spring plunger clip	2
BJ	3006-400-566	Handle retainer plate	1
BK	3006-400-567	Extension spring	1
BL	3006-400-568	Bearing	4
BM	3006-400-569	Glide rod restraint	2
BN	3006-400-498	Mounting bracket, head end	1
BP	3006-011-002	Short latch and bearing assembly	1
BR	3006-400-576	Arm weldment	1
BT	3006-400-581	Machined support plate	1
BU	0016-136-000	U-nut	4
BV	3006-400-618	Inner arm cover, a	2
BW	3006-400-619	Outer arm cover, a	2
BY	3006-400-807	Main to outside siderail cable, left	1
CA	3006-400-862	Siderail cable	1
CB	0011-206-000	Washer	4
CC	3000-300-478	CPR conduit clamp	1
CD	3000-300-114	4" cable tie	4

Head end side rail assembly right 3005-400-200 Rev B (Reference only)

Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	2
B	0011-302-000	Washer	2
C	3006-400-497	Support plate boss cover	2
D	0023-076-000	Pan head tapping screw	7
E	0003-392-000	Hex head machine screw	4
F	0025-079-000	Dome head rivet	11
G	0025-147-000	Rivet	13
H	0027-020-000	Rue ring cotter	2

Head end siderail assembly 3005-400-100 Rev B (Reference only)

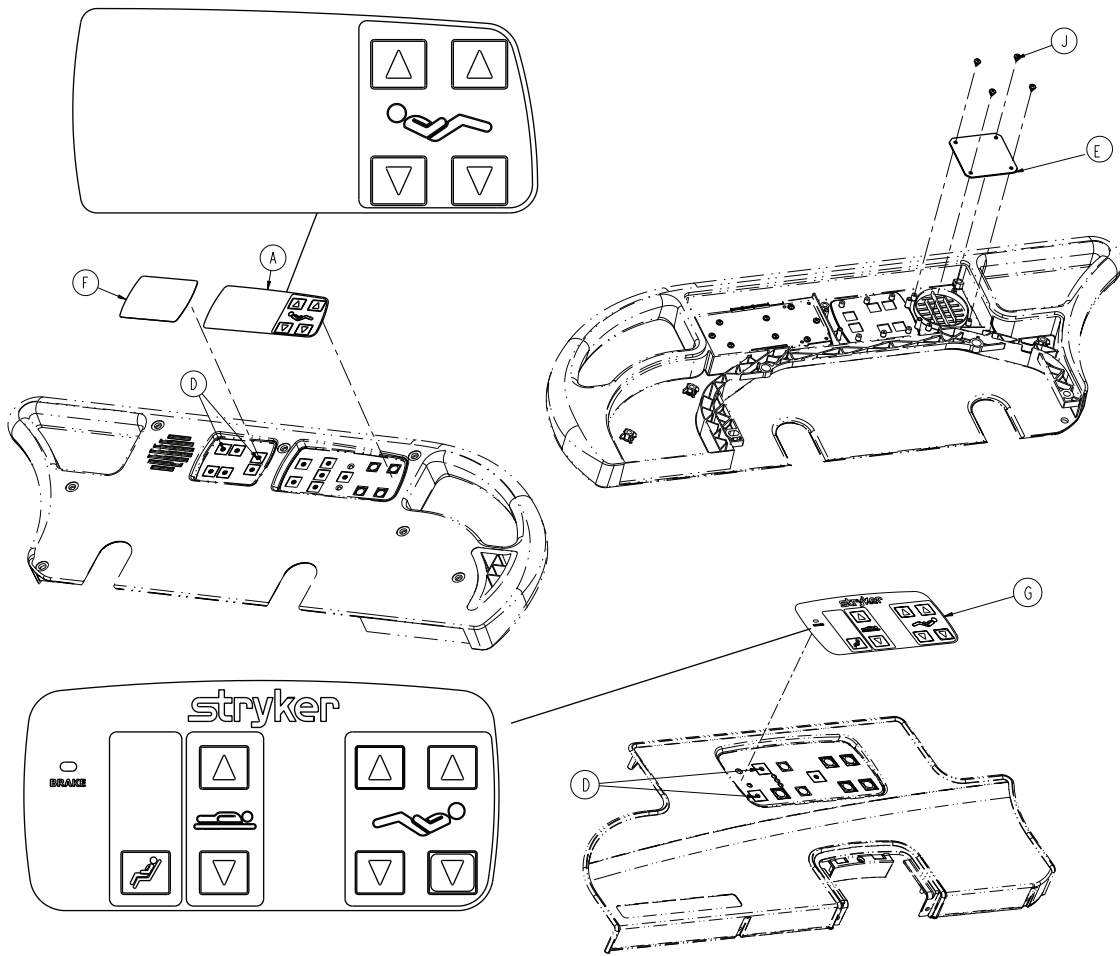
Item	Number	Name	Quantity
J	0050-005-000	Pan head machine screw	1
K	3006-400-574	Siderail spacer	4
L	0001-072-000	Flathead machine screw	8
M	3000-400-557	Sleeve bearing	4
N	0007-092-000	Pan head tapping screw	4
R	3006-400-495	Siderail spacer	2
T	3006-400-230	<i>Siderail assembly, head end, inner panel (page 184)</i>	1
U	3006-400-225	<i>Head end siderail assembly, outer panel, right (page 183)</i>	1
V	3006-400-510	Arm weldment	1
W	3006-400-513	Bearing	2
Y	3006-400-514	Pivot washer	1
AA	3006-400-516	Hard stop pin	1
AC	3006-400-518	Pivot retainer clip	2
AD	3006-011-001	Latch and bearing assembly	1
AE	3006-400-524	Pivot retainer sleeve	2
AF	3006-400-525	Bypass arm	1
AG	3006-400-528	Machined siderail carrier	1
AH	3006-400-530	Timing link weldment	1
AL	3006-400-207	Label, siderail head end/foot end, right, blank	1
AM	3006-400-522	Label, siderail fastener cover	7
AN	3006-400-208	Label, cable restraint	1
AP	3006-400-532	Bearing	2
AT	3006-400-536	Latch plate	1
AU	3006-400-541	Latch disk	1
AV	3006-400-544	Glide rod, head end	2
AW	3006-400-540	Gas spring mounting bracket	1
AY	3006-400-549	Latch return spring	4
BA	3006-400-551	Spring plunger	2
BB	3006-400-552	Spring arm, a	1
BC	3006-400-553	Spring arm, b	1
BD	3006-400-554	Spring arm stop	1

Head end siderail assembly 3005-400-100 Rev B (Reference only)

Item	Number	Name	Quantity
BE	3006-400-557	Spring arm cap	2
BF	3006-400-560	Gas spring	1
BG	3006-400-561	Spring plunger clip	2
BJ	3006-400-566	Handle retainer plate	1
BK	3006-400-567	Extension spring	1
BL	3006-400-568	Bearing	4
BM	3006-400-569	Glide rod restraint	2
BN	3006-400-498	Mounting bracket, head end	1
BP	3006-011-002	Short latch and bearing assembly	1
BR	3006-400-575	Arm weldment	1
BT	3006-400-581	Machined support plate	1
BU	0016-136-000	U-nut	4
BV	3006-400-628	Inner arm cover, b	2
BW	3006-400-629	Outer arm cover, b	2
BY	3006-400-803	Main to outside siderail cable, right	1
CA	3006-400-862	Siderail cable	1
CB	0011-206-000	Washer	4
CC	3000-300-478	CPR conduit clamp	1
CD	3000-300-114	4" cable tie	5

Head end siderail assembly with Gatch/Fowler and cardiac chair option

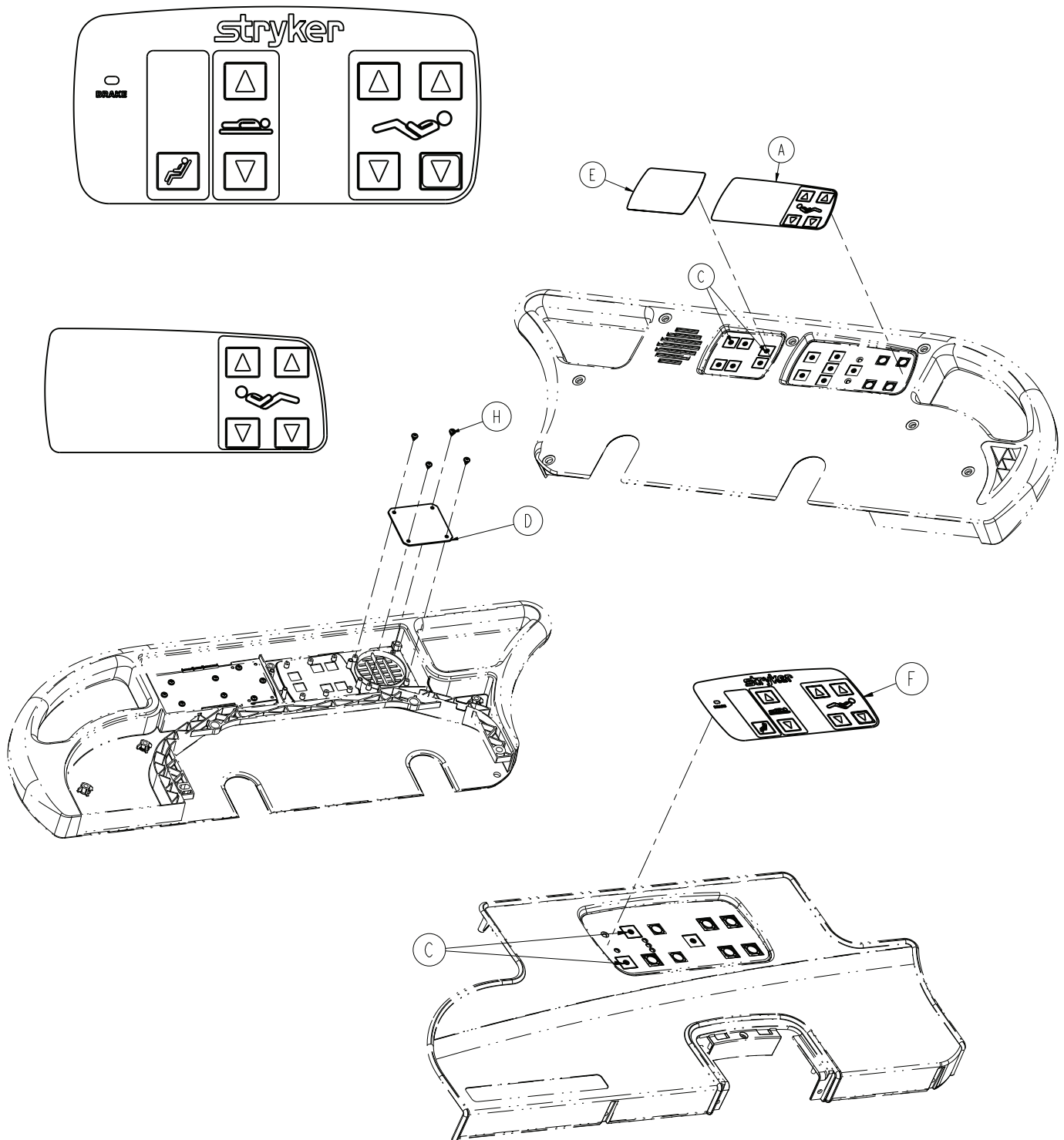
3006-999-031 Rev C (Reference only)



Item	Number	Name	Quantity
A	3006-400-620	Label inner, left, standard	1
B	3006-400-610	Label inner, right, standard (not shown)	1
D	3001-400-522	Filler cap	32
E	3001-400-517	Speaker seal	2
F	3006-430-133	Smart TV blank label	2
G	3006-400-634	Label outer, left, G/F, CC	1
H	3006-400-644	Label outer, right, G/F, CC (not shown)	1
J	0023-112-000	Pan head tapping screw	8

Head end siderail assembly with Gatch/Fowler and cardiac chair, signature option

3006-471-031 Rev B (Reference only)

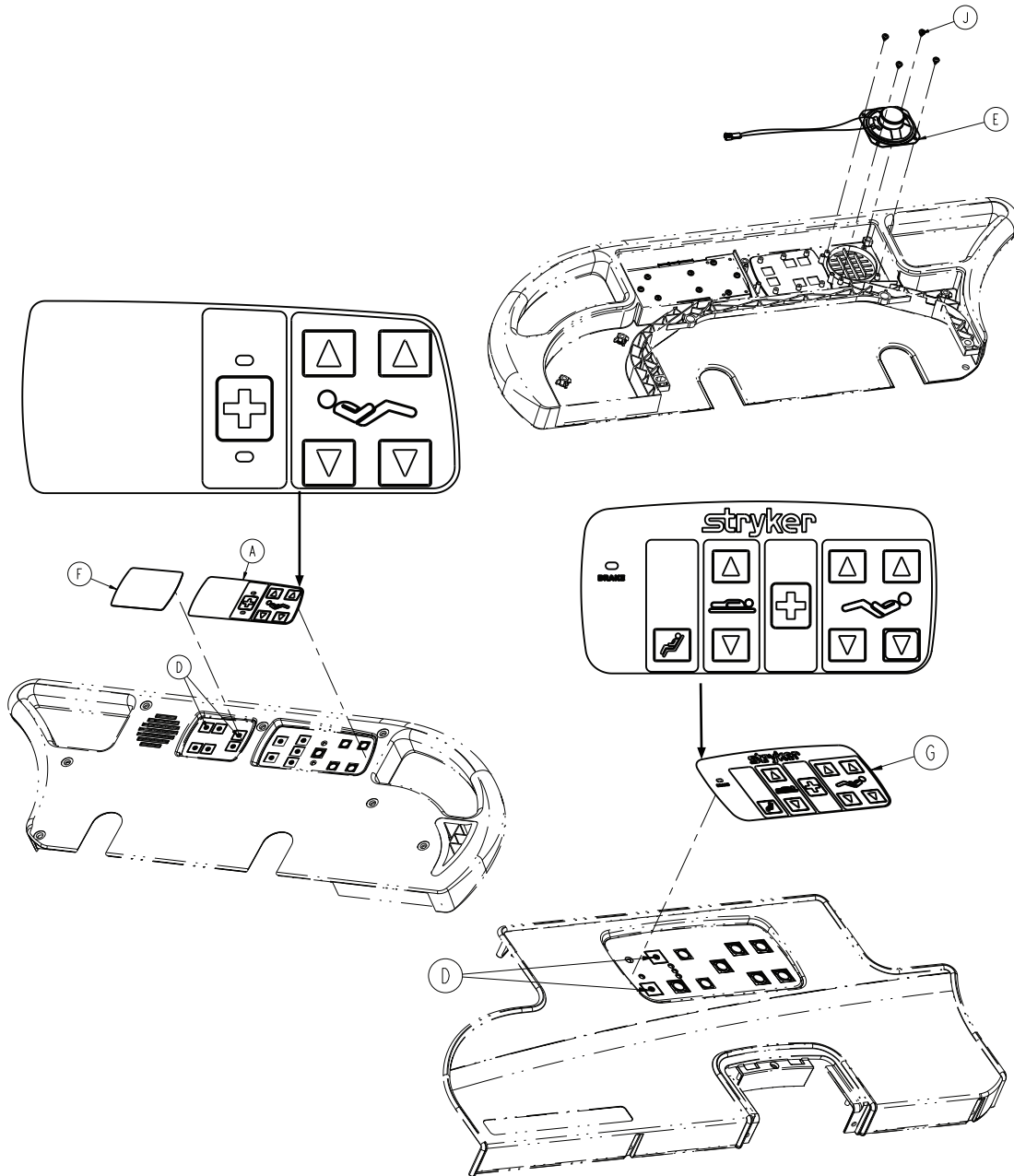


Item	Number	Name	Quantity
A	3006-471-620	Standard label, inner left	1
B	3006-471-610	Standard label, inner right (not shown)	1

Item	Number	Name	Quantity
C	3001-400-522	Filler cap	32
D	3001-400-517	Speaker seal	2
E	3006-430-133	Smart TV blank label	2
F	3006-471-634	G/F CC label, outer left	1
G	3006-471-644	G/F CC label, outer right (not shown)	1
H	0023-112-000	Pan head tapping screw	8

Head end siderail assembly with nurse call, Gatch/Fowler, and cardiac chair option

3006-999-016 Rev D (Reference only)

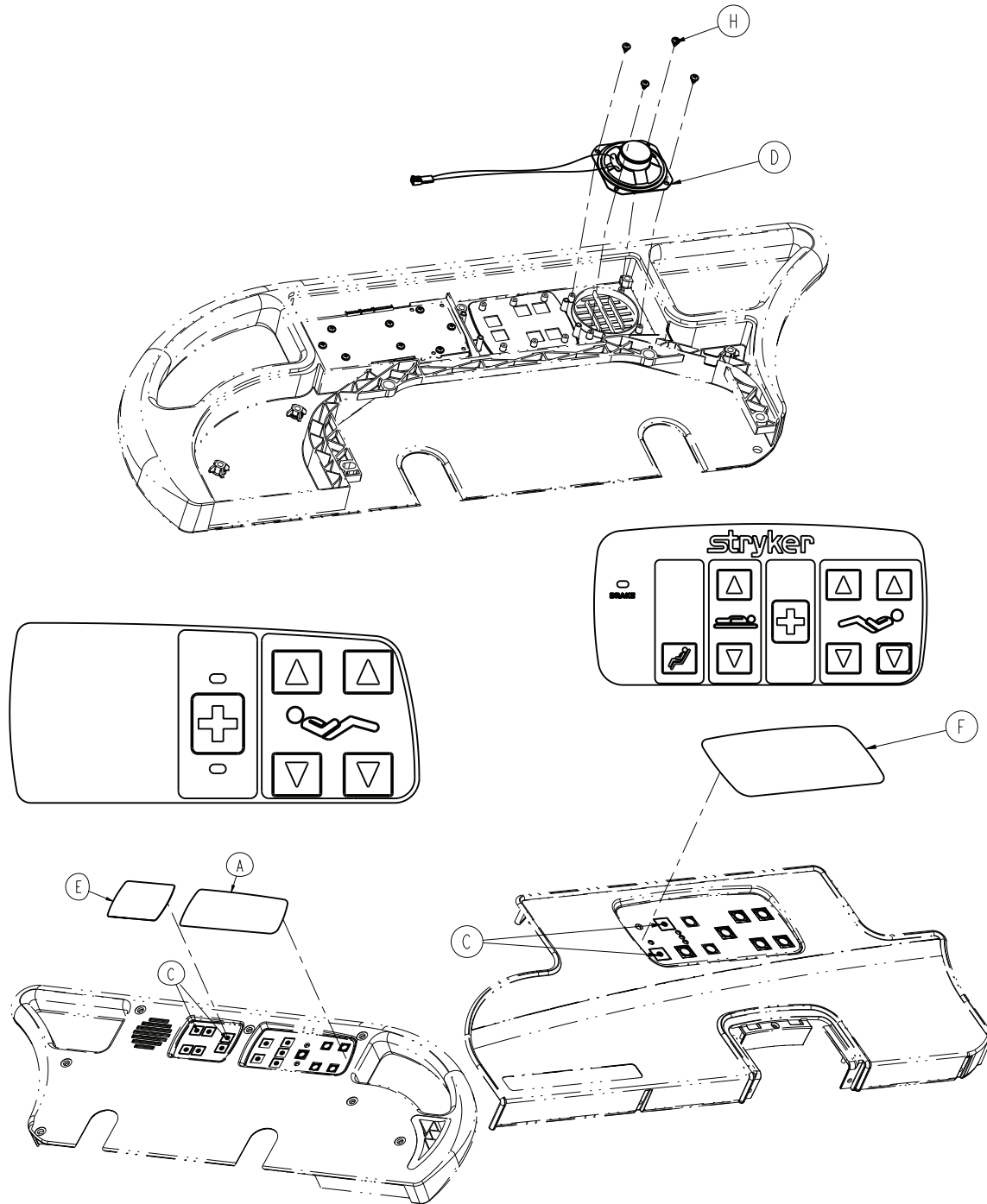


Item	Number	Name	Quantity
A	3006-400-621	Label inner, left, N/C	1
B	3006-400-611	Label inner, right, N/C (not shown)	1
D	3001-400-522	Filler cap	26
E	3006-403-831	Speaker with cable	2
F	3006-430-133	Smart TV blank label	2
G	3006-400-633	Label outer, left, N/C, G/F, CC	1

Item	Number	Name	Quantity
H	3006-400-643	Label outer, right, N/C, G/F, CC (not shown)	1
J	0023-112-000	Pan head tapping screw	8

Head end siderail assembly with cardiac chair, nurse call, and Gatch/Fowler, signature option

3006-471-016 Rev B (Reference only)

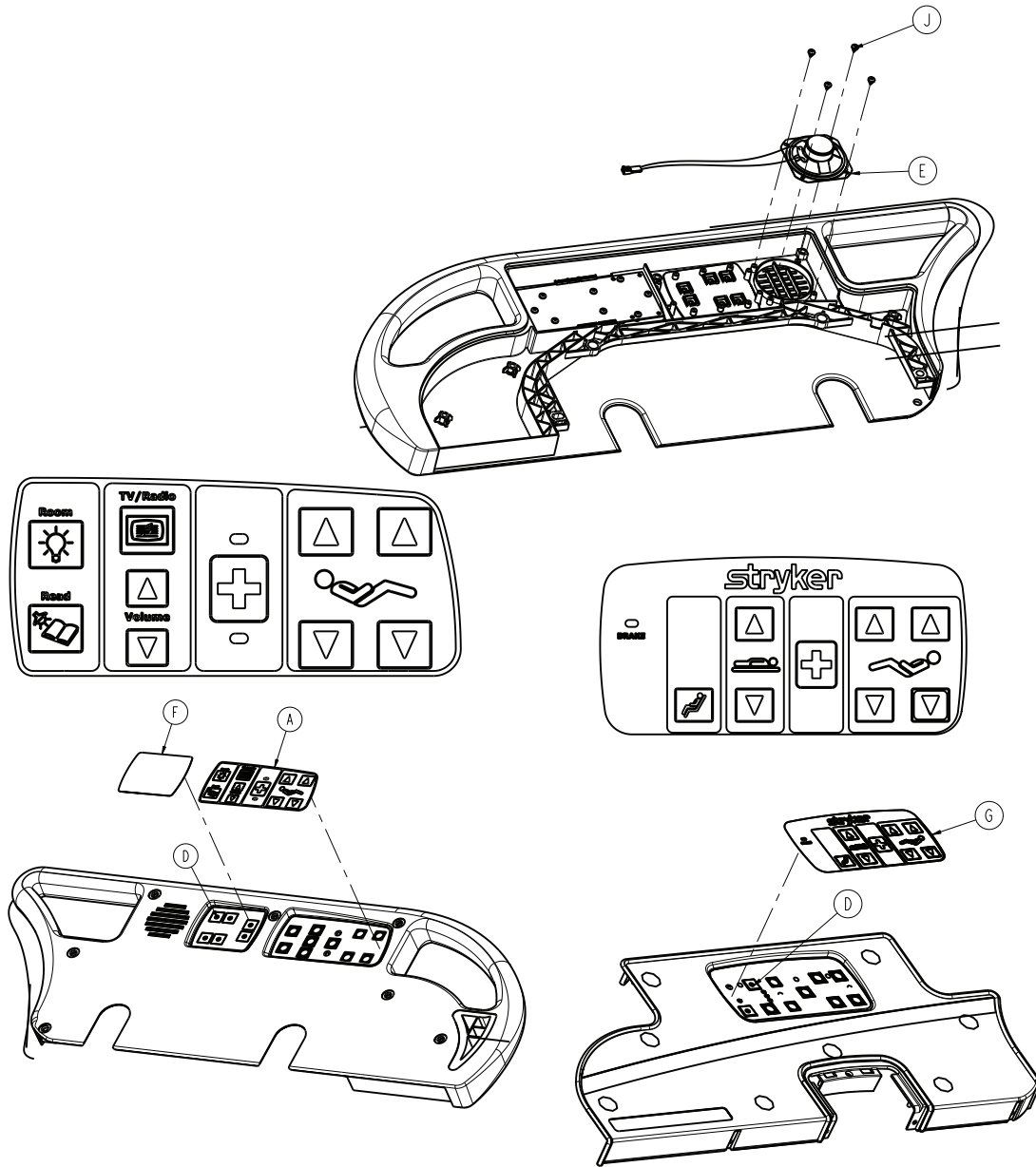


Item	Number	Name	Quantity
A	3006-471-621	NC label, inner left	1
B	3006-471-611	NC label, inner right (not shown)	1
C	3001-400-522	Filler cap	26

Item	Number	Name	Quantity
D	3006-403-831	Speaker with cable	2
E	3006-430-133	Smart TV blank label	2
F	3006-460-633	NC, G/F, CC label, outer left	1
G	3006-460-643	NC, G/F, CC label, outer right (not shown)	1
H	0023-112-000	Pan head tapping screw	8

Head end siderail assembly with nurse call, TV/radio, lights, Gatch/Fowler, and cardiac chair

3006-999-006 Rev D (Reference only)

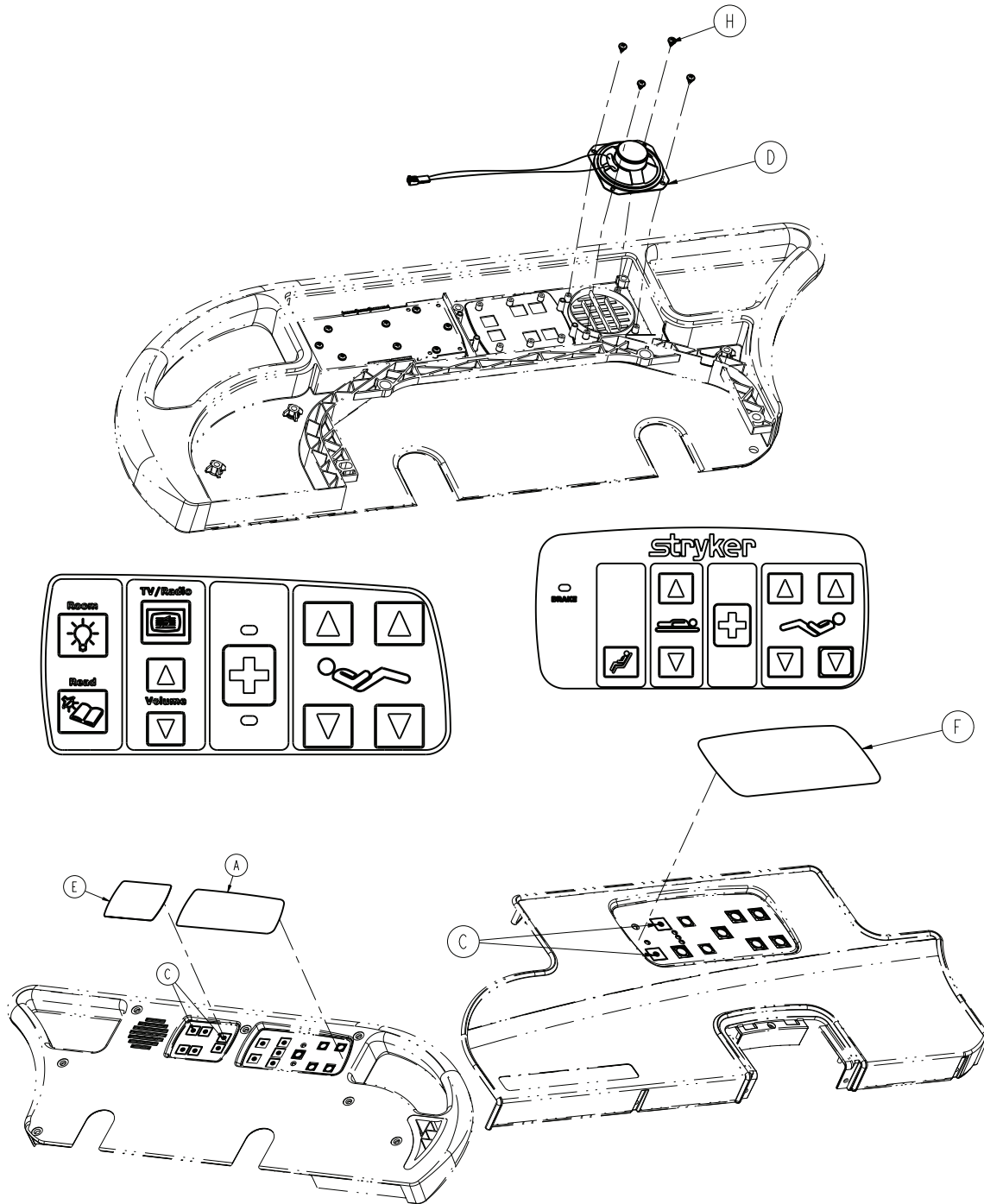


Item	Number	Name	Quantity
A	3006-400-623	Label inner, left, N/C, TV, light, CC	1
B	3006-400-613	Label inner, right, N/C, TV, light, CC (not shown)	1
D	3001-400-522	Filler cap	16
E	3006-403-831	Speaker with cable	2
F	3006-430-133	Label, Smart TV blank	2
G	3006-400-633	Label outer, left, N/C, G/F, CC	1

Item	Number	Name	Quantity
H	3006-400-643	Label outer, right, N/C, G/F, CC (not shown)	1
J	0023-112-000	Pan head tapping screw	8

Head end siderail assembly with nurse call, TV/radio, lights, Gatch/Fowler, and cardiac chair, signature option

3006-471-006 Rev B (Reference only)

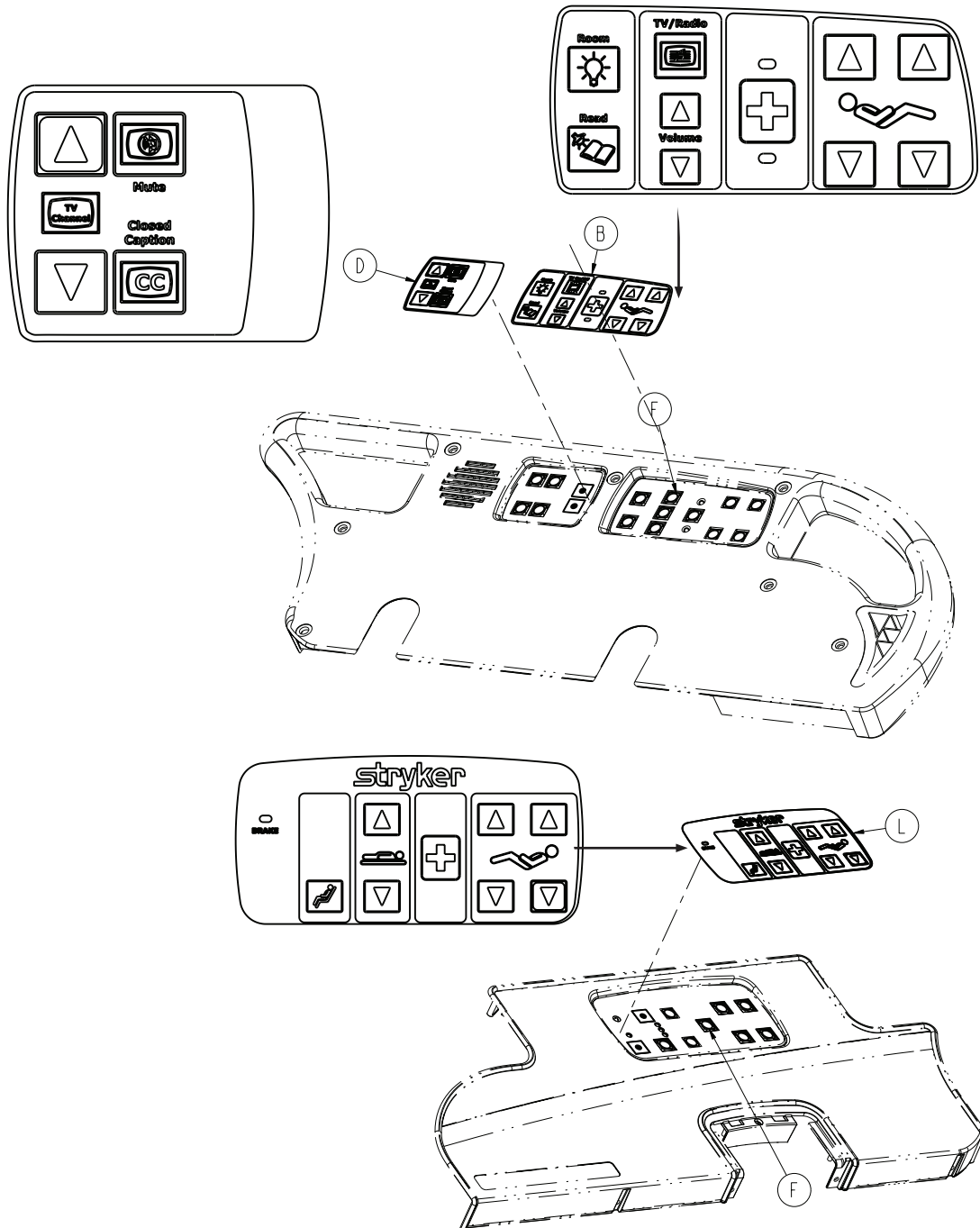


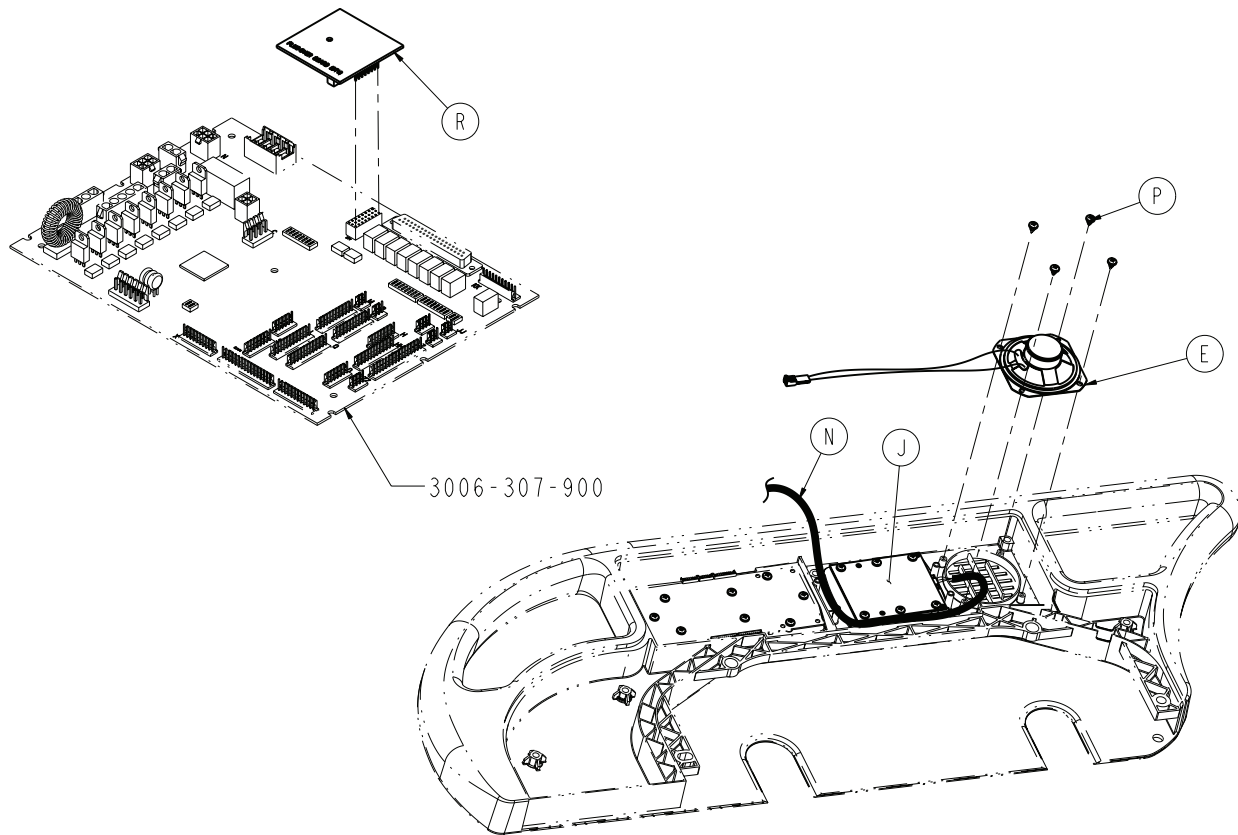
Item	Number	Name	Quantity
A	3006-471-623	Label, NC, TV, light, CC, inner left	1
B	3006-471-613	Label, NC, TV, light, CC, inner right (not shown)	1
C	3001-400-522	Filler cap	16

Item	Number	Name	Quantity
D	3006-403-831	Speaker with cable	2
E	3006-430-133	Smart TV blank label	2
F	3006-471-633	Label, NC, G/F CC, outer left	1
G	3006-471-643	NC, G/F CC label, outer right (not shown)	1
H	0023-112-000	Pan head tapping screw	8

Head end siderail assembly with nurse call, lights, Gatch/Fowler, cardiac chair, and Smart TV option

3006-999-405 Rev A (Reference only)

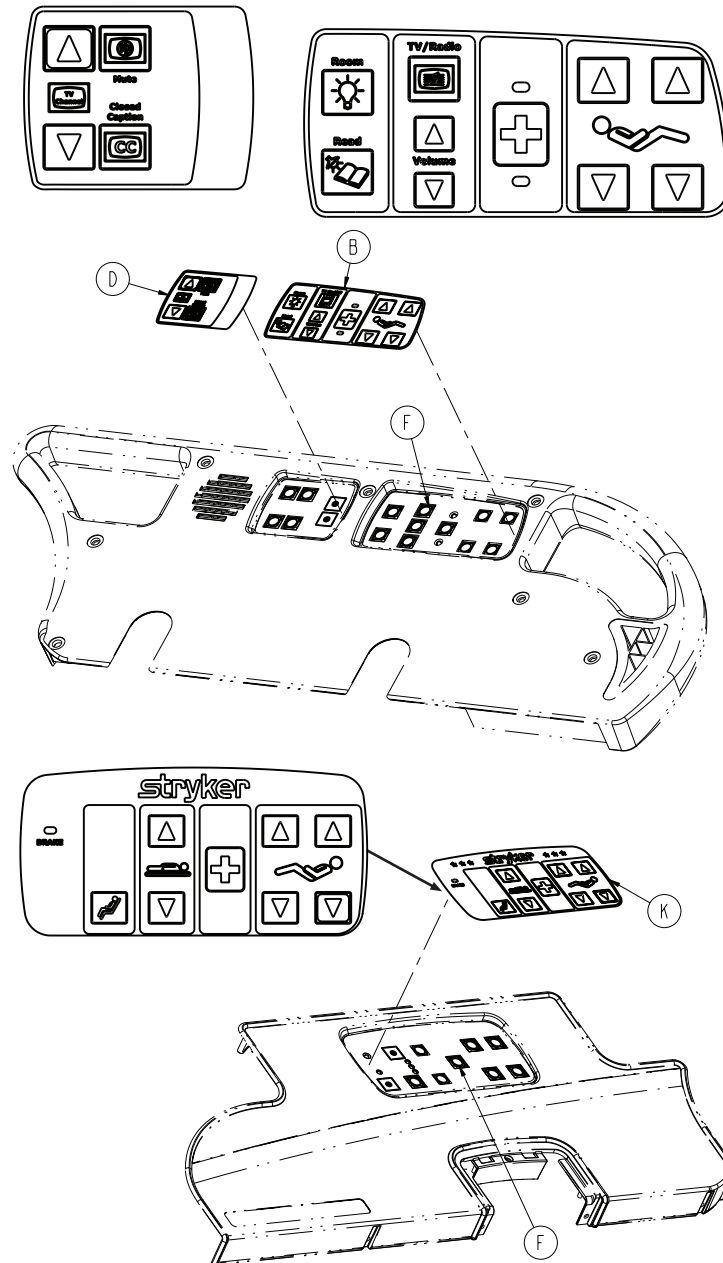


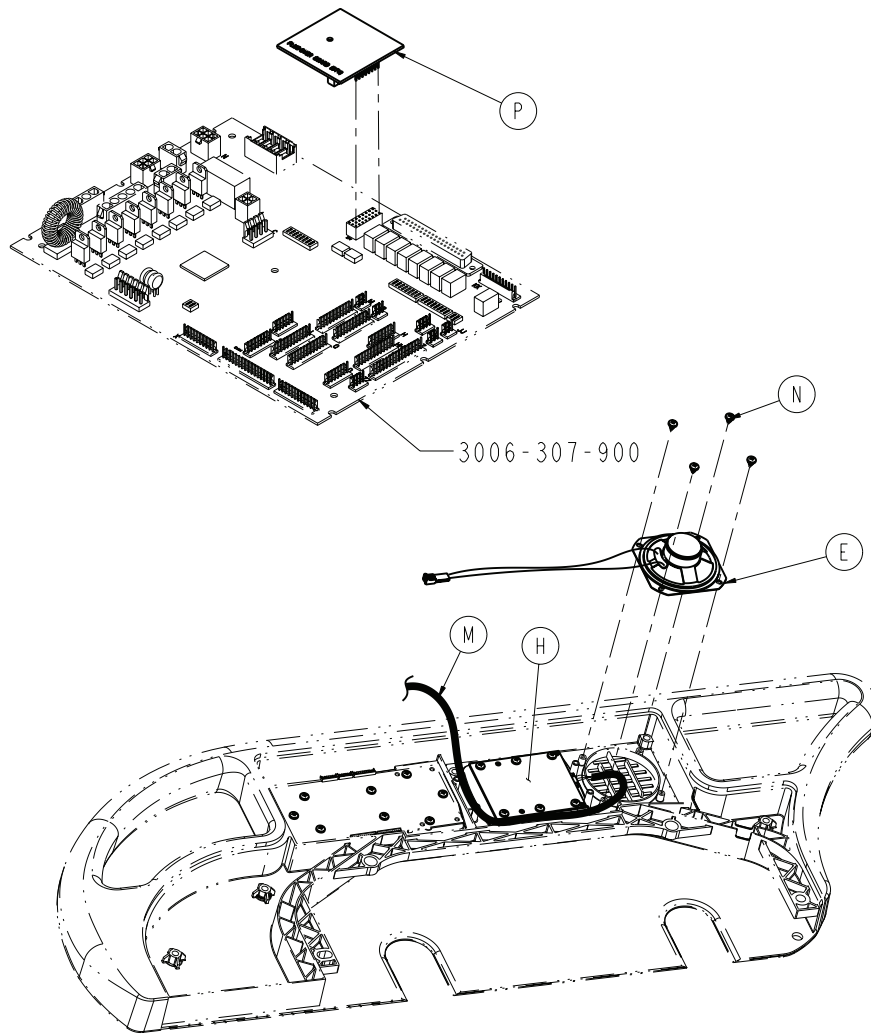


Item	Number	Name	Quantity
A	3000-300-114	4" cable tie (not shown)	6
B	3006-430-623	Label inner, left, NC, light, Smart TV	1
C	3006-430-613	Label inner, right, NC, lights, Smart TV (not shown)	1
D	3006-430-131	Label, left, CC, Smart TV	1
E	3006-403-831	Speaker with cable	2
F	3001-400-953	Switch cap	8
H	3006-430-132	Label, right, CC, Smart TV (not shown)	1
J	5000-400-930	Siderail lumbar board, left	1
K	5000-400-920	Siderail lumbar board, right (not shown)	1
L	3006-400-633	Label outer, left, NC, G/F, DMS	1
M	3006-400-643	Label outer, right, NC, G/F, DMS (not shown)	1
N	3006-402-803	PCB siderail cable	2
P	0023-112-000	Pan head tapping screw	20
R	3003-039-800	Smart TV auto detect PCB assembly	1

Head end siderail assembly with nurse call, lights, Gatch/Fowler, cardiac chair, and Smart TV, signature option

3006-471-404 Rev A (Reference only)



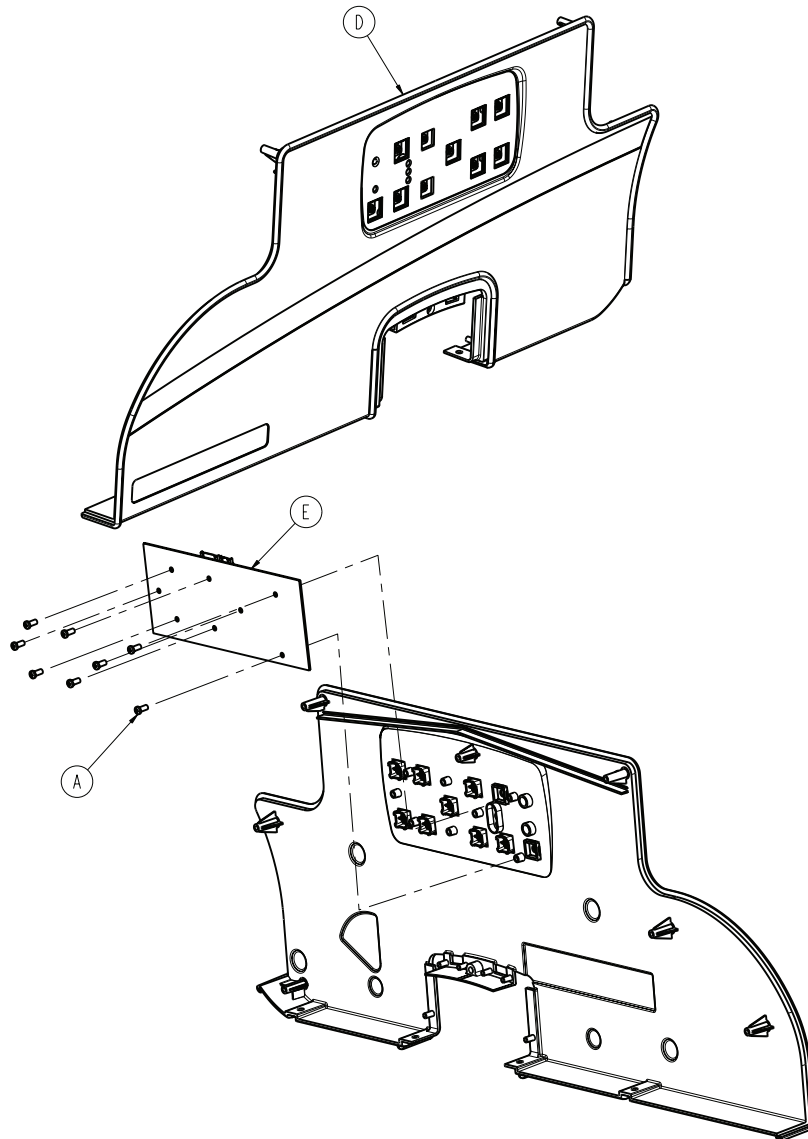


Item	Number	Name	Quantity
A	3000-300-114	4" cable tie (not shown)	6
B	3006-471-723	Label inner, left, NC, light, Smart TV	1
C	3006-471-713	Label inner, right, NC, lights, Smart TV (not shown)	1
D	3006-471-131	Label, left, CC, Smart TV	1
E	3006-403-831	Speaker with cable	2
F	3001-400-953	Switch cap	8
G	3006-471-132	Label, right, CC, Smart TV	1
H	5000-400-930	Siderail lumbar board, left	1
J	5000-400-920	Siderail lumbar board, right	1
K	3006-471-633	Label outer, left, NC, G/F, DMS	1
L	3006-471-643	Label outer, right, NC, G/F, DMS (not shown)	1
M	3006-402-803	PCB siderail cable	2

Item	Number	Name	Quantity
N	0023-112-000	Pan head tapping screw	20
P	3003-039-800	Smart TV auto detect PCB assembly	1

Head end siderail assembly, outer panel, left

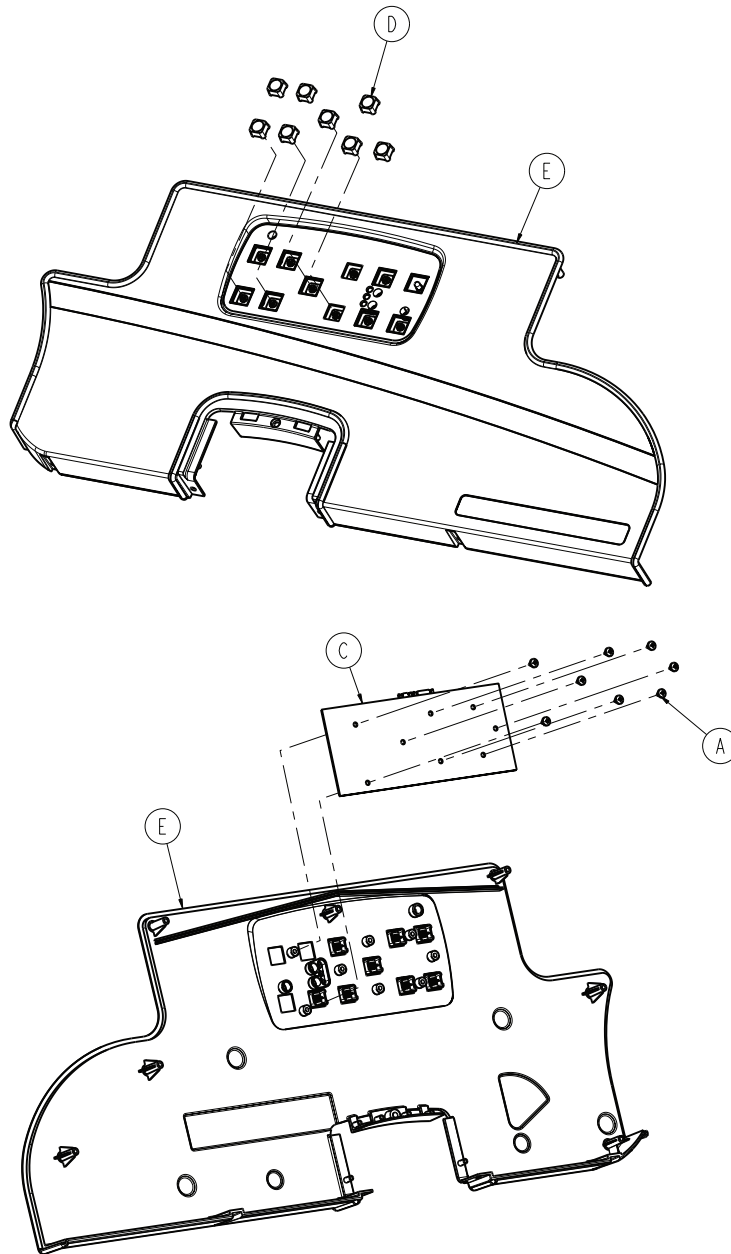
3006-400-125 Rev D (Reference only)



Item	Number	Name	Quantity
A	0023-112-000	Pan head tapping screw	8
D	3006-400-127	Head end siderail cover, left	1
E	3006-400-920	Outer siderail assembly, left	1

Head end siderail assembly, outer panel, right

3006-400-225 Rev C (Reference only)

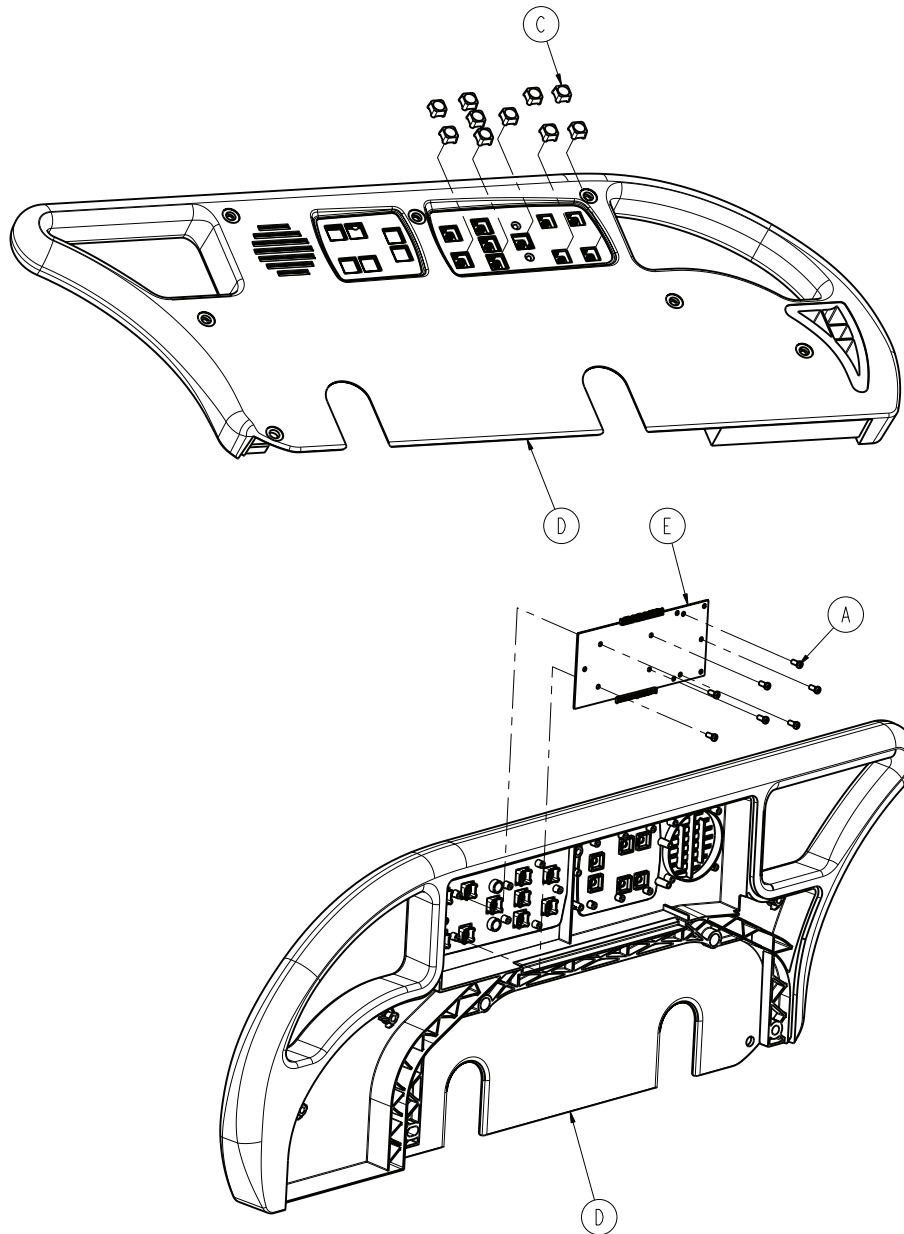


Item	Number	Name	Quantity
A	0023-112-000	Pan head tapping screw	8
C	3001-400-910	Outer siderail PCB assembly	1
D	3001-400-953	Switch cap	8
E	3006-400-227	Head end siderail cover, right	1

Siderail assembly, head end, inner panel

3006-400-130 Rev C - Left assembly shown (Reference only)

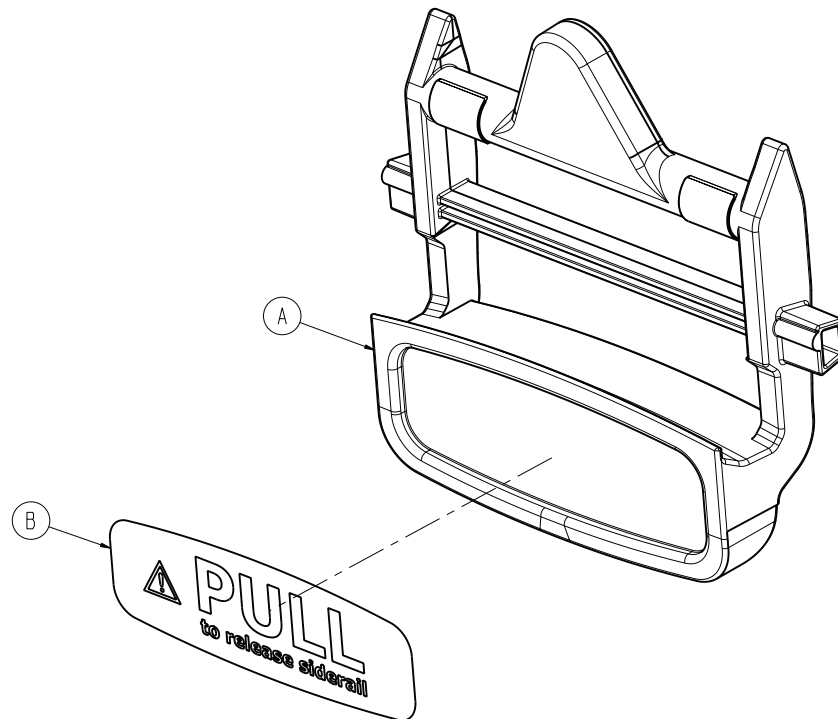
3006-400-230 Rev C - Right (Reference only)



Item	Number	Name	Quantity
A	0023-112-000	Pan head tapping screw	8
C	3001-400-953	Switch cap	10
D	3006-400-115	Head end top rail, left	1
	3006-400-215	Head end top rail, right	1
E	3006-400-930	Main siderail PCB assembly	1

Release handle assembly - 3006-400-570

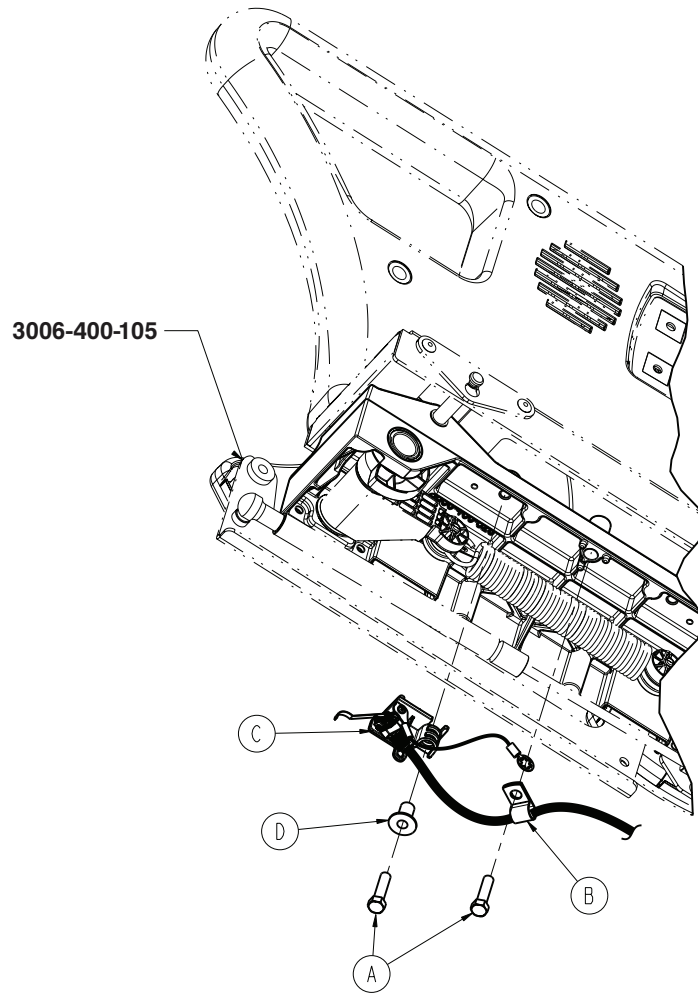
Rev A (Reference only)



Item	Number	Name	Quantity
A	3006-400-565	Release handle	1
B	3006-400-657	Label, siderail release	1

Siderail assembly, iBed Awareness option, HE, left

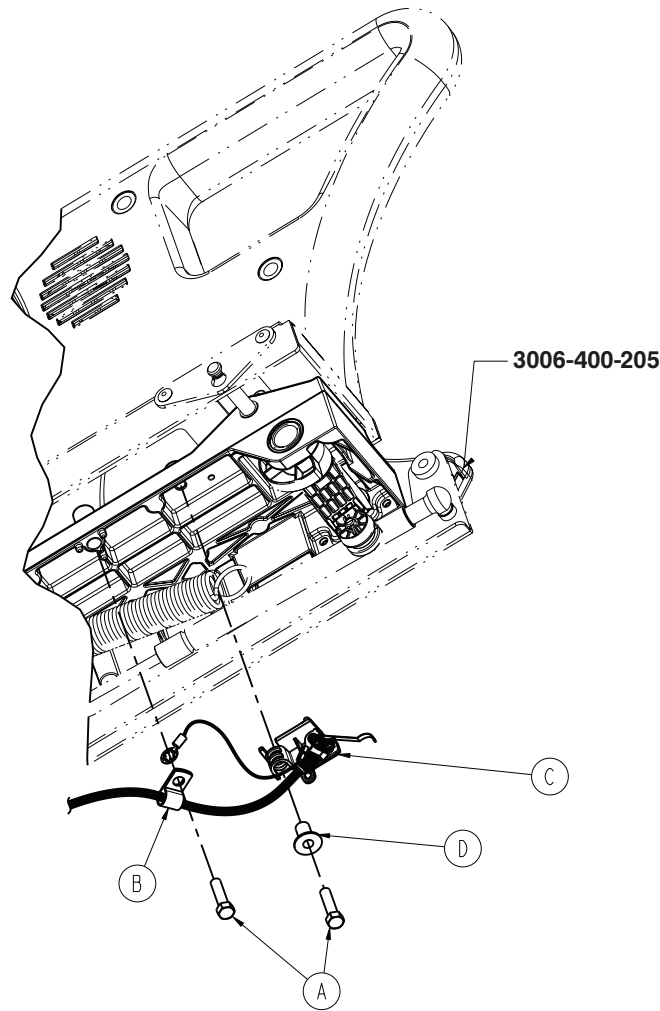
3006-400-100 Rev C (Reference only)



Item	Number	Name	Quantity
A	0003-392-000	Hex head machine screw	2
B	0058-105-000	P-clamp	1
C	3006-400-120	<i>Siderail switch assembly, iBed Awareness option, head end - 3006-400-120 (left)/3006-400-220 (right) (page 188)</i>	1
D	3006-400-577	Switch holder spacer	1

Siderail assembly, iBed Awareness option, HE, right

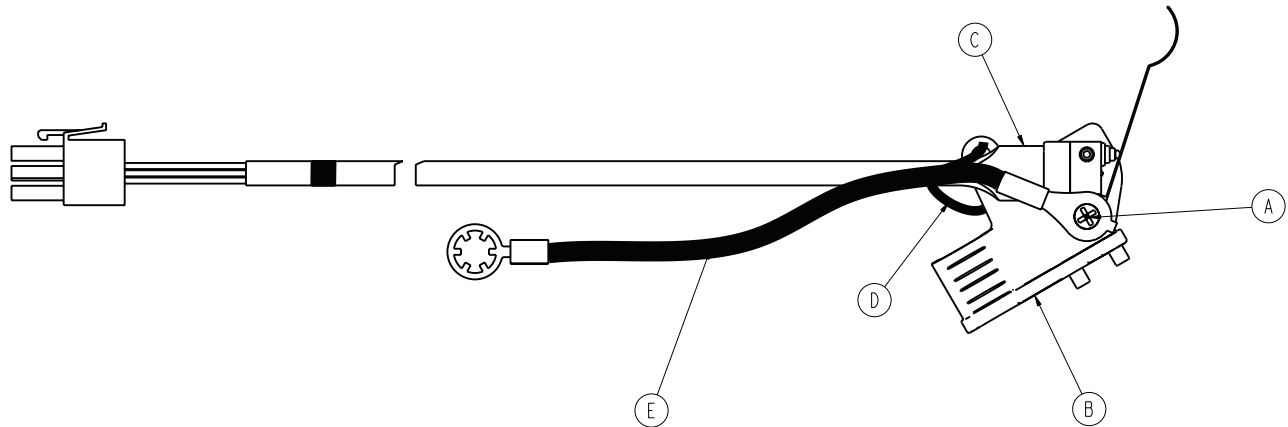
3006-400-200 Rev C (Reference only)



Item	Number	Name	Quantity
A	0003-392-000	Hex head machine screw	2
B	0058-105-000	P-clamp	1
C	3006-400-220	Siderail switch assembly, iBed Awareness option, head end - 3006- 400-120 (left)/3006-400-220 (right) (page 188)	1
D	3006-400-577	Switch holder spacer	1

Siderail switch assembly, iBed Awareness option, head end - 3006-400-120 (left)/3006-400-220 (right)

Rev C/Rev C (Reference only)



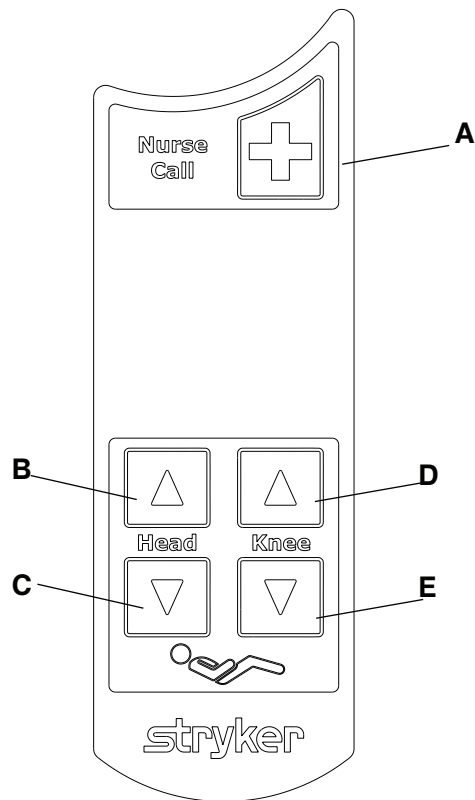
Item	Number	Name	Quantity
A	0023-294-000	Pan head tapping screw	1
B	3006-400-558	Switch holder, head left	1
	3006-400-559	Switch holder, head right	1
C	3006-400-802	Head end siderail switch cable	1
D		Cable tie	1
E	3006-400-806	Siderail switch ground cable	1

Pendant assembly option

Pendant - motion/nurse call

Pendant - 3006-315-011 Rev AA (Reference only)

Label - 3006-315-041 Rev D (Reference only)

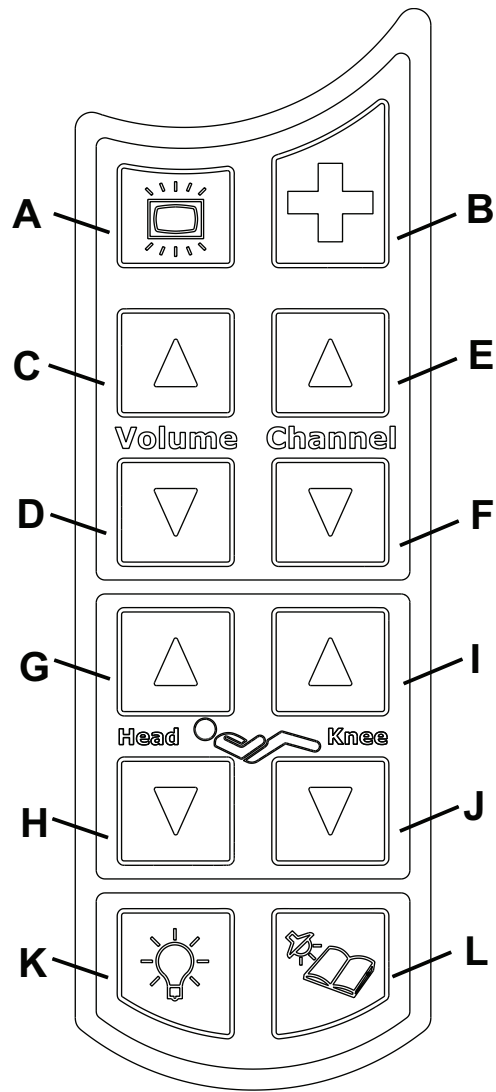


A	Press to activate Nurse Call
B	Press to raise head section
C	Press to lower head section
D	Press to raise knee section
E	Press to lower knee section

Pendant - motion/nurse call

Pendant - 3001-315-011 Rev G (Reference only)

Label - 3001-315-041 Rev A (Reference only)

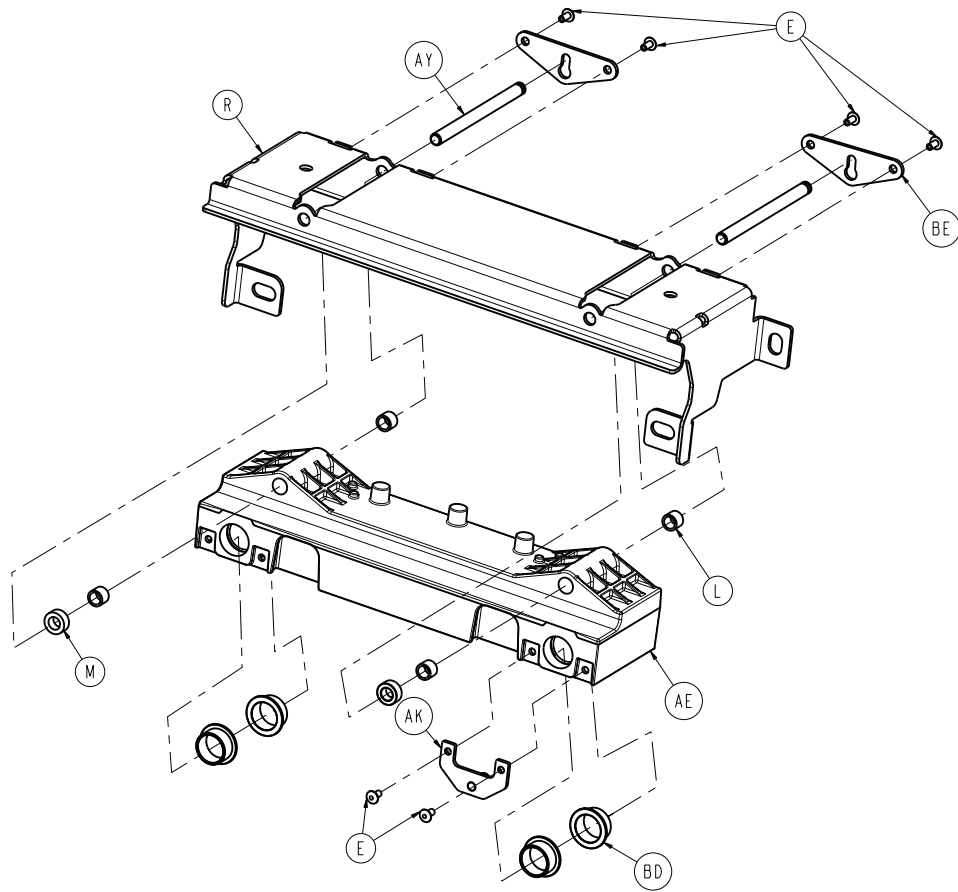


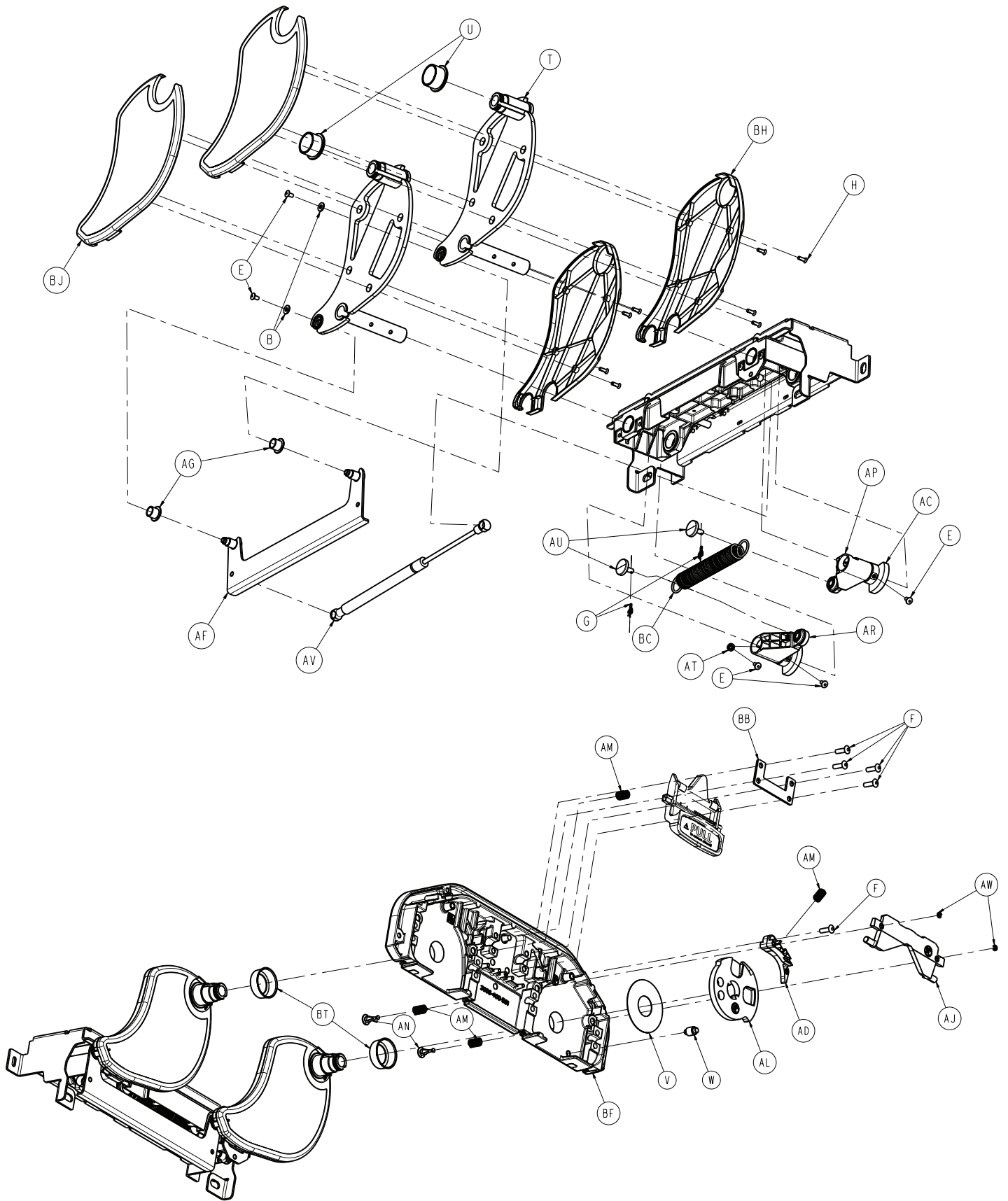
A	Press to turn on/off the TV
B	Press to activate Nurse Call
C	Press to increase the volume of the TV
D	Press to decrease the volume of the TV
E	Press to change to a higher numbered channel
F	Press to change to a lower numbered channel
G	Press to raise head section
H	Press to lower head section
I	Press to raise knee section
J	Press to lower knee section
K	Press to turn on/off room lights
L	Press to turn on/off reading lights

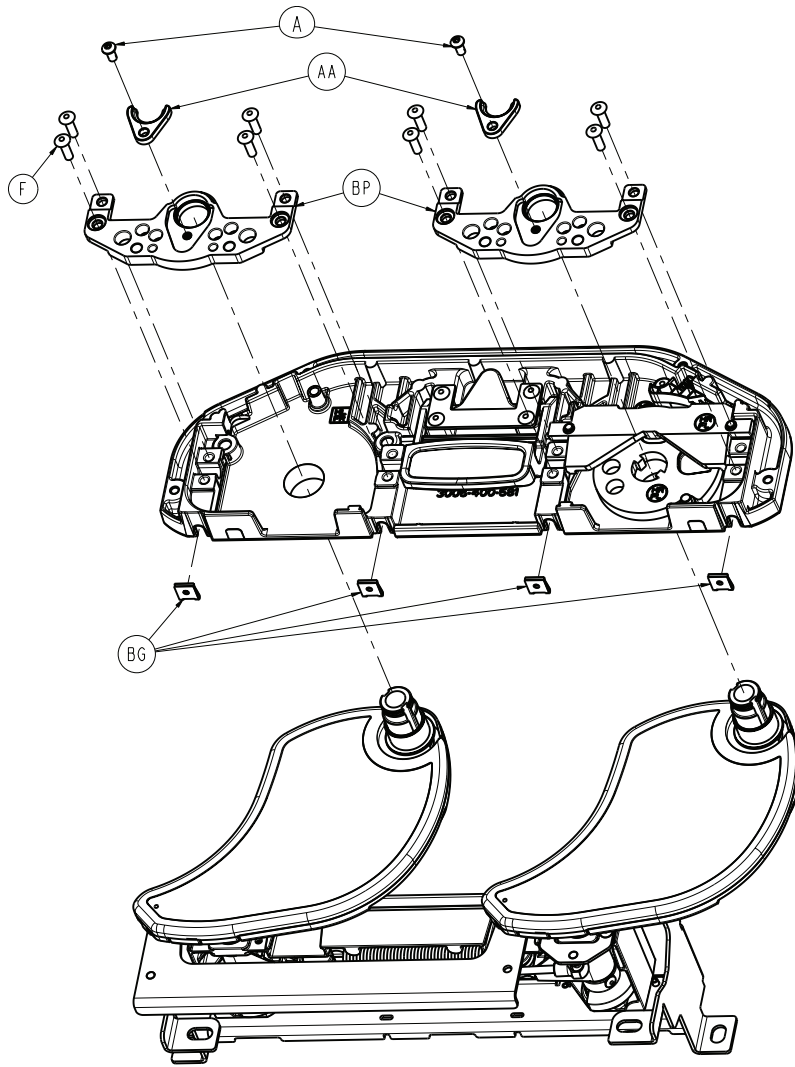
Foot end siderail assembly

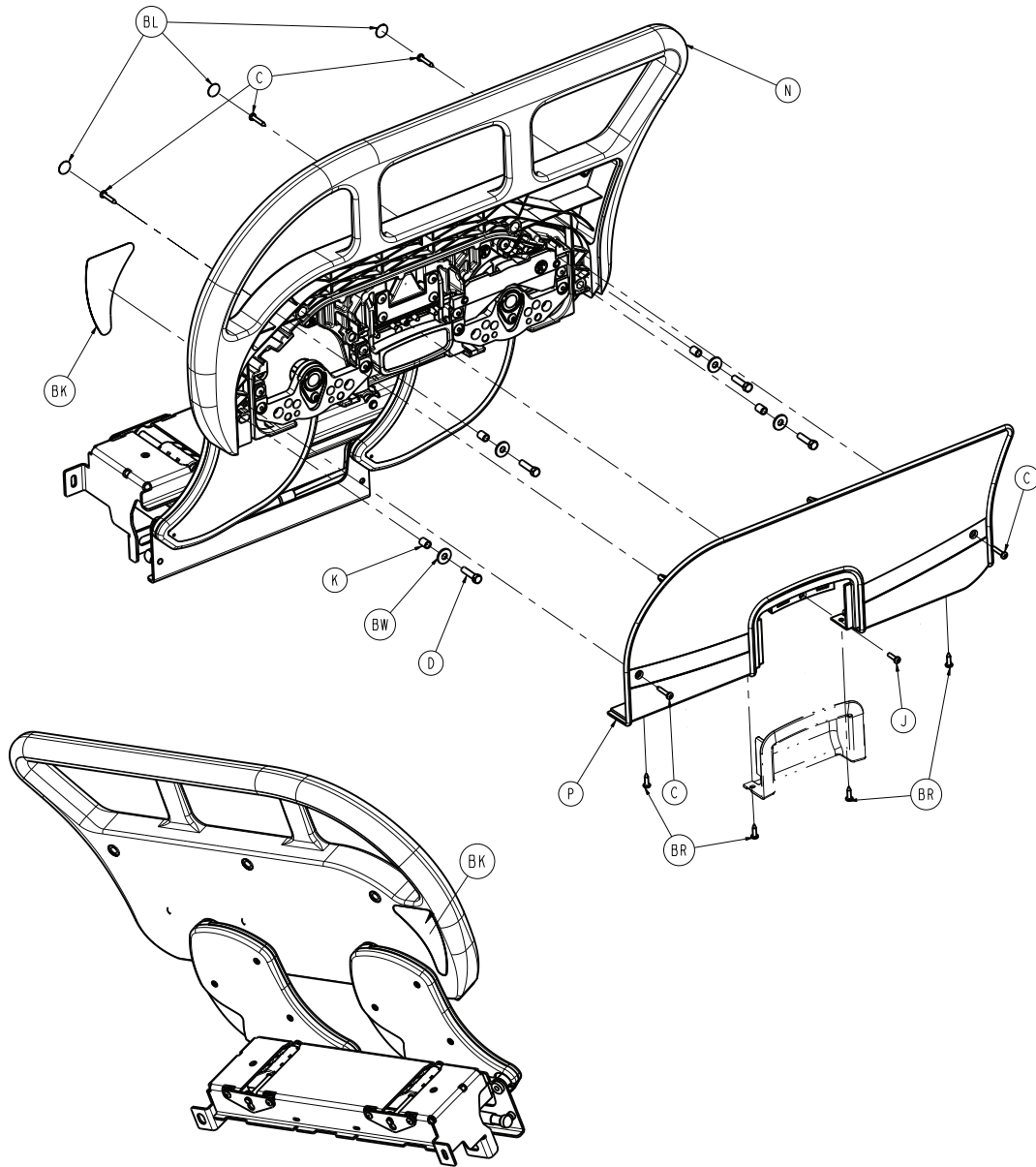
3005-400-300 Rev B (Reference only)

3005-400-400 Rev B (Reference only)









Foot end siderail components, left - 3005-400-300 Rev B - (Reverence only)

Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	2
B	0011-302-000	Washer	2
C	0023-076-000	Pan head tapping screw	5
D	0003-392-000	Hex head machine screw	4
E	0025-079-000	Dome head rivet	11
F	0025-147-000	Rivet	13
G	0027-020-000	Rue ring cotter	2
H	0001-072-000	Flat head machine screw	8
J	0050-005-000	Pan head machine screw	1
K	3006-400-574	Siderail spacer	4

Foot end siderail components, left - 3005-400-300 Rev B - (Reverence only)

Item	Number	Name	Quantity
L	3000-400-557	Sleeve bearing	4
M	3006-400-495	Siderail spacer	2
N	3006-400-320	Toprail, foot end, left	1
P	3006-400-327	Siderail cover, foot end, left	1
R	3006-400-499	Mounting bracket, foot end	1
T	3006-400-510	Arm weldment	2
U	3006-400-513	Bearing	2
V	3006-400-514	Pivot washer	1
W	3006-400-516	Hard stop pin	1
AA	3006-400-518	Pivot retainer clip	2
AC	3006-400-524	Pivot retainer sleeve	2
AD	3006-400-525	Bypass arm	1
AE	3006-400-528	Machined siderail carrier	1
AF	3006-400-530	Timing link	1
AG	3006-400-532	Bearing	2
AJ	3006-400-536	Latch plate	1
AK	3006-400-540	Gas spring mounting bracket	1
AL	3006-400-541	Latch disk	1
AM	3006-400-549	Latch return spring	4
AN	3006-400-551	Spring plunger	2
AP	3006-400-552	Spring arm, a	1
AR	3006-400-553	Spring arm, b	1
AT	3006-400-554	Spring arm stop	1
AU	3006-400-557	Spring arm cap	2
AV	3006-400-560	Gas spring	1
AW	3006-400-561	Spring plunger clip	2
AY	3006-400-564	Glide rod, foot end	2
BB	3006-400-566	Handle retainer plate	1
BC	3006-400-567	Extension spring	1
BD	3006-400-568	Bearing	4
BE	3006-400-569	Glide rod restraint	2
BF	3006-400-581	Machined support plate	1
BG	0016-136-000	U-nut	4

Foot end siderail components, left - 3005-400-300 Rev B - (Reverence only)

Item	Number	Name	Quantity
BH	3006-400-628	Arm cover, inner-b	2
BJ	3006-400-629	Arm cover, outer-b	2
BK	3006-400-107	Label, siderail head end/foot end, left, blank	1
BL	3006-400-522	Label, siderail fastener cover	3
BP	3006-011-001	Latch and bearing assembly	2
BR	0007-092-000	Truss head tapping screw	4
BT	3006-400-497	Support plate boss cover	2
BW	0011-206-000	Washer	4

Foot end siderail components, right - 3005-400-400 Rev B - (Reverence only)

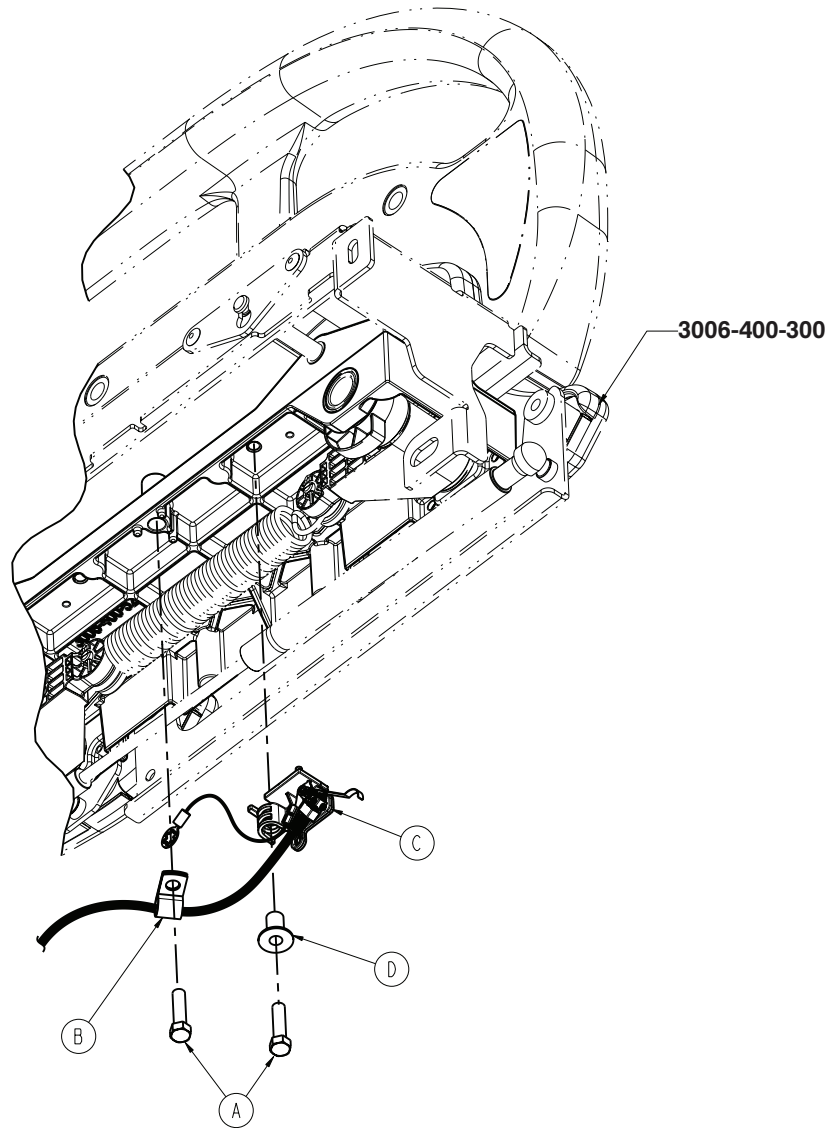
Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	2
B	0011-302-000	Washer	2
C	0023-076-000	Pan head tapping screw	5
D	0003-392-000	Hex head machine screw	4
E	0025-079-000	Dome head rivet	11
F	0025-147-000	Rivet	13
G	0027-020-000	Rue ring cotter	2
H	0001-072-000	Flat head machine screw	8
J	0050-005-000	Pan head machine screw	1
K	3006-400-574	Siderail spacer	4
L	3000-400-557	Sleeve bearing	4
M	3006-400-495	Siderail spacer	2
N	3006-400-420	Toprail, foot end, left	1
P	3006-400-427	Siderail cover, foot end, left	1
R	3006-400-499	Mounting bracket, foot end	1
T	3006-400-515	Arm weldment	2
U	3006-400-513	Bearing	2
V	3006-400-514	Pivot washer	1
W	3006-400-516	Hard stop pin	1
AA	3006-400-518	Pivot retainer clip	2
AC	3006-400-524	Pivot retainer sleeve	2
AD	3006-400-505	Bypass arm	1

Foot end siderail components, right - 3005-400-400 Rev B - (Reverence only)

Item	Number	Name	Quantity
AE	3006-400-528	Machined siderail carrier	1
AF	3006-400-535	Timing link	1
AG	3006-400-532	Bearing	2
AJ	3006-400-534	Latch plate	1
AK	3006-400-540	Gas spring mounting bracket	1
AL	3006-400-537	Latch disk	1
AM	3006-400-549	Latch return spring	4
AN	3006-400-551	Spring plunger	2
AP	3006-400-552	Spring arm, a	1
AR	3006-400-553	Spring arm, b	1
AT	3006-400-554	Spring arm stop	1
AU	3006-400-557	Spring arm cap	2
AV	3006-400-560	Gas spring	1
AW	3006-400-561	Spring plunger clip	2
AY	3006-400-564	Glide rod, foot end	2
BB	3006-400-566	Handle retainer plate	1
BC	3006-400-567	Extension spring	1
BD	3006-400-568	Bearing	4
BE	3006-400-569	Glide rod restraint	2
BF	3006-400-581	Machined support plate	1
BG	0016-136-000	U-nut	4
BH	3006-400-618	Arm cover, inner-b	2
BJ	3006-400-619	Arm cover, outer-b	2
BK	3006-400-207	Label, siderail head end/foot end, left, blank	1
BL	3006-400-522	Label, siderail fastener cover	3
BP	3006-011-001	Latch and bearing assembly	2
BR	0007-092-000	Truss head tapping screw	4
BT	3006-400-497	Support plate boss cover	2
BW	0011-206-000	Washer	4

Siderail assembly, iBed Awareness option, foot end, left – 3006-400-305

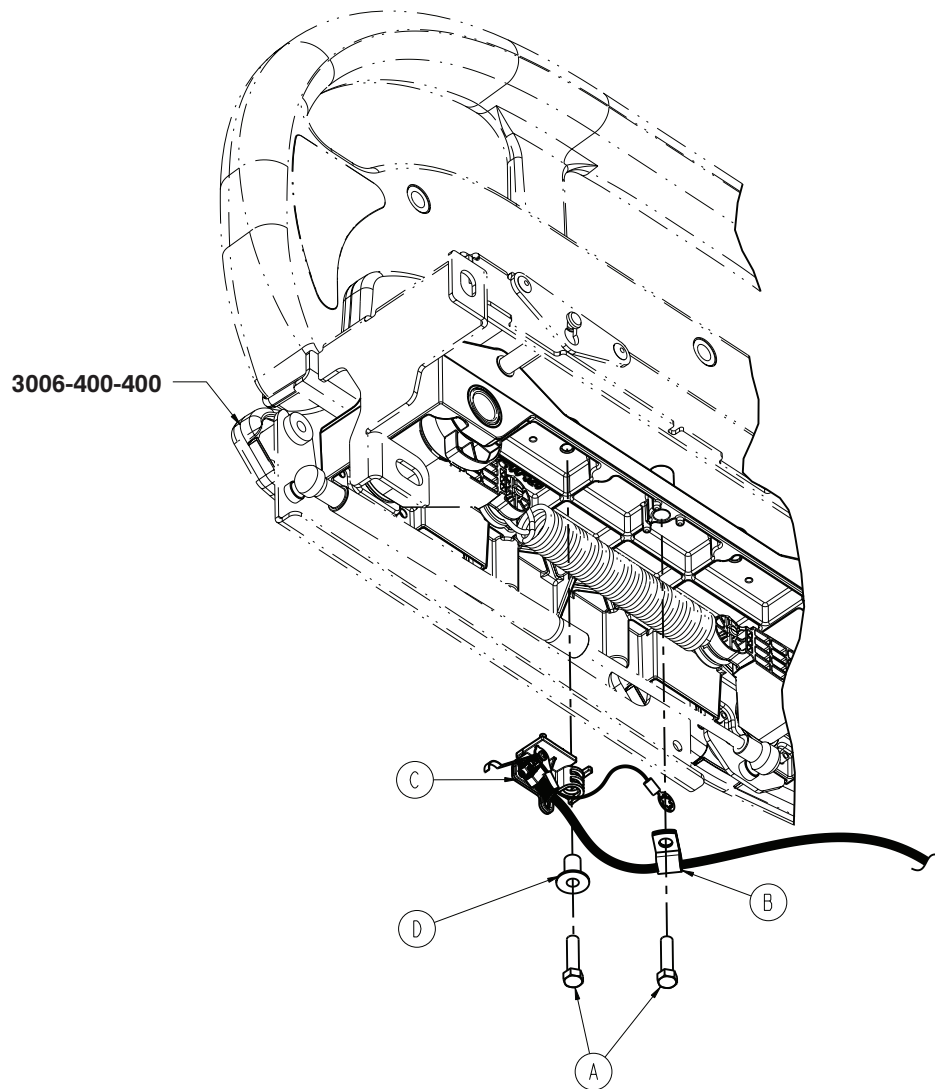
3006-400-305 Rev C (Reference only)



Item	Name	Number	Quantity
A	0003-392-000	Hex head machine screw	2
B	0058-105-000	P-clamp	1
C	3006-400-315	Switch assembly, <i>iBed Awareness option, foot end - 3006-400-315 (left)/ 3006-400-415 (right)</i> (page 200)	1
D	3006-400-577	Switch holder spacer	1

Siderail assembly, iBed Awareness option, foot end, right - 3006-400-405

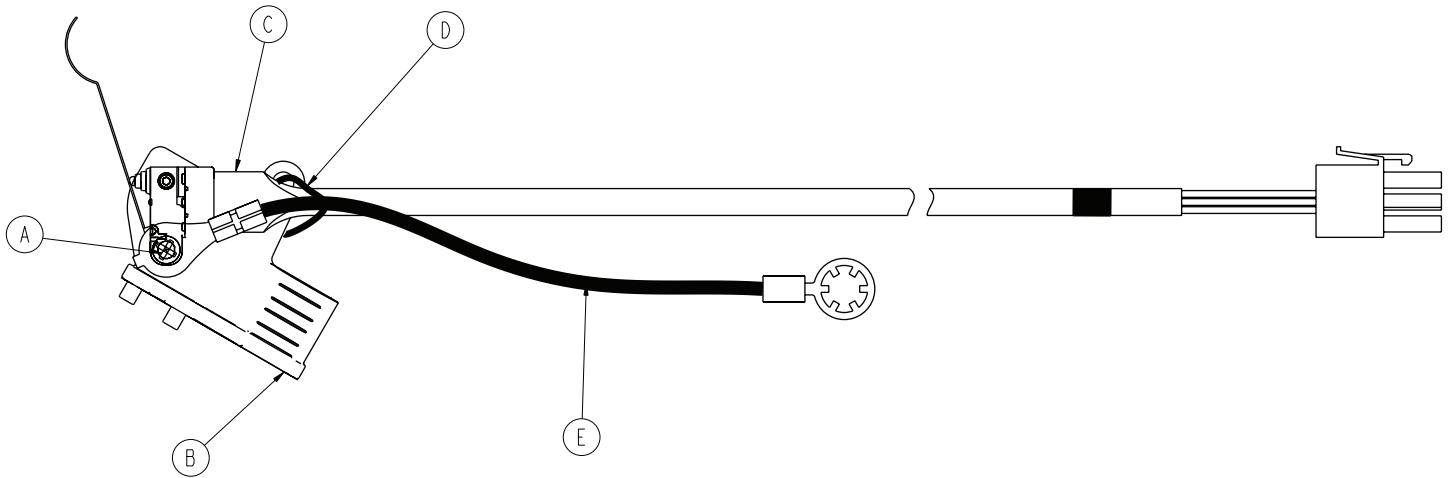
Rev C (Reference only)



Item	Name	Number	Quantity
A	0003-392-000	Hex head machine screw	2
B	0058-105-000	P-clamp	1
C	3006-400-415	Switch assembly, iBed Awareness option, foot end - 3006-400-315 (left)/ 3006-400-415 (right) (page 200)	1
D	3006-400-577	Switch holder spacer	1

Switch assembly, iBed Awareness option, foot end - 3006-400-315 (left)/3006-400-415 (right)

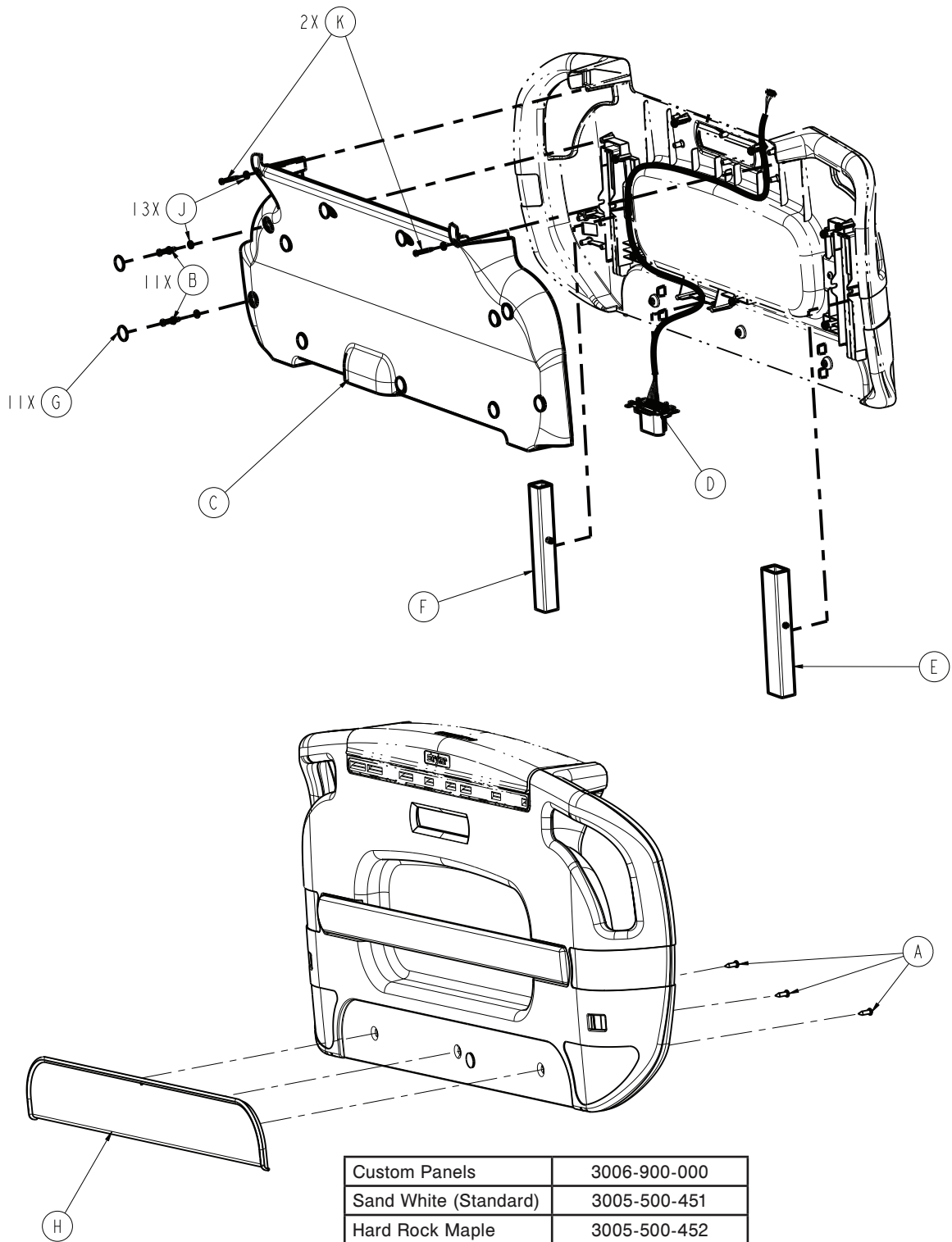
Rev C/Rev C (Reference only)



Item	Name	Number	Quantity
A	0023-294-000	Pan head tapping screw	1
B	3006-400-558	Switch holder, foot right	1
	3006-400-559	Switch holder, foot left	1
C	3006-400-801	Foot end siderail switch cable	1
D		Cable tie	1
E	3006-400-806	Siderail switch ground cable	1

Footboard assembly, standard components

3005-500-000 Rev AA (Reference only)

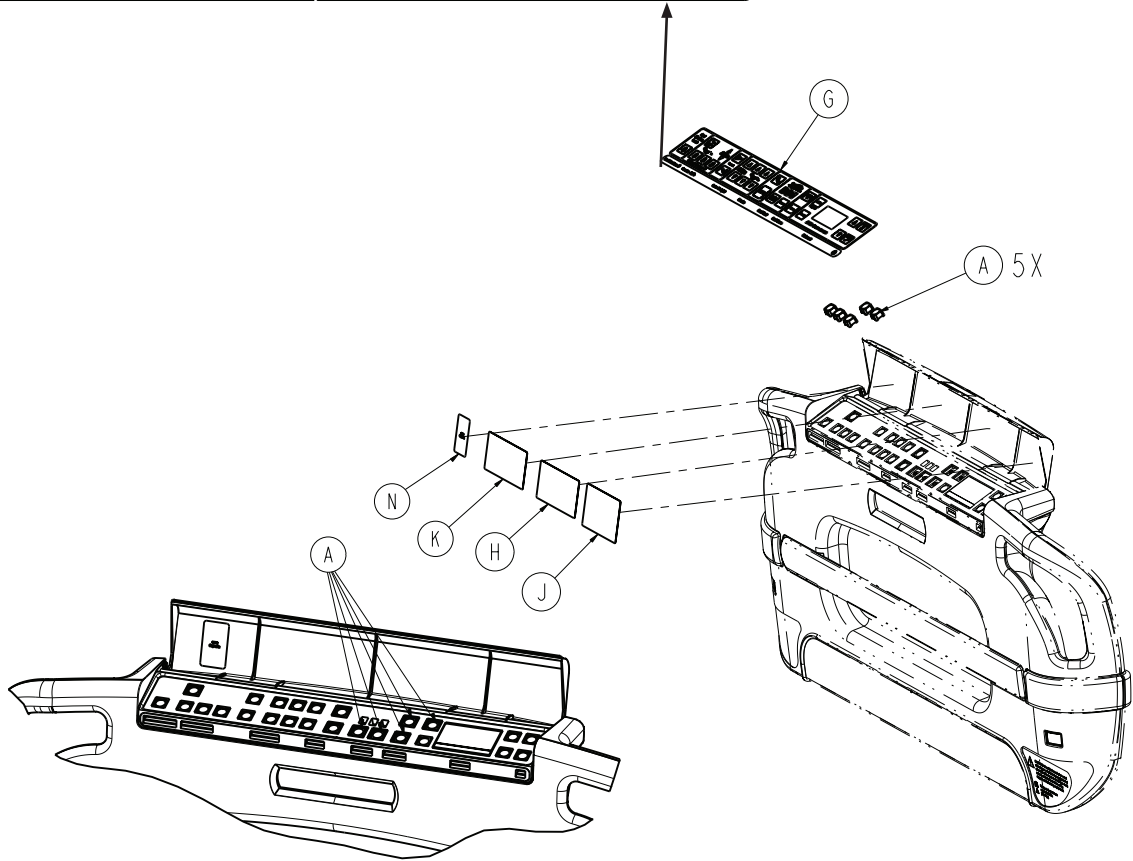
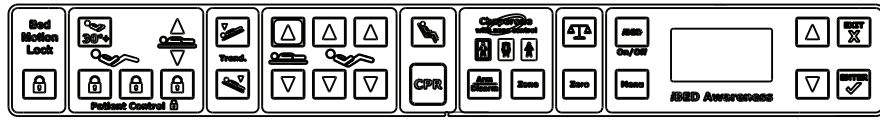


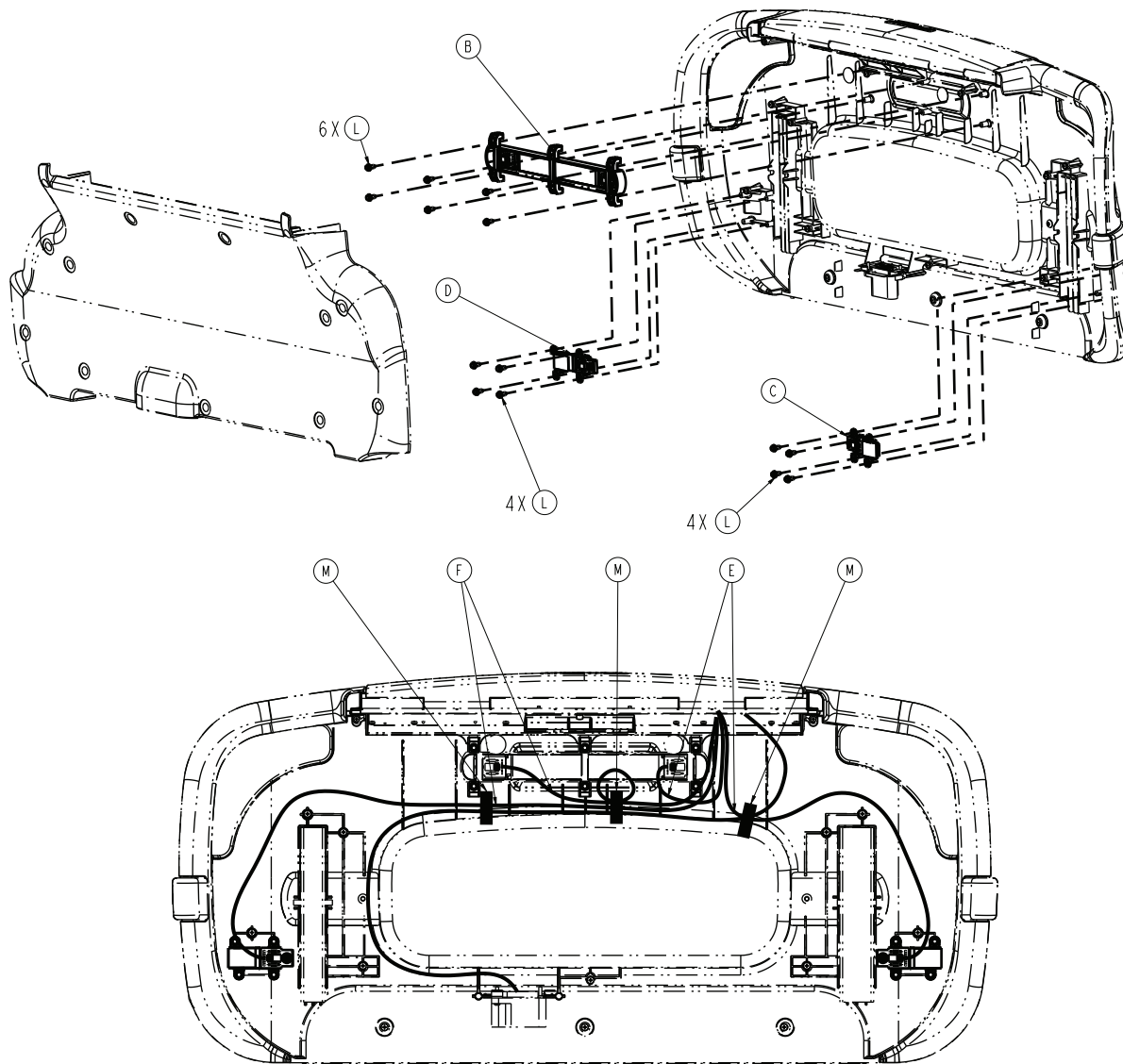
Custom Panels	3006-900-000
Sand White (Standard)	3005-500-451
Hard Rock Maple	3005-500-452
Honey Maple	3005-500-453
Cayenne Maple	3005-500-454
Wild Cherry	3005-500-455

Item	Name	Number	Quantity
A	0023-319-000	Hex washer head tapping screw	3
B	0023-090-000	Pan head screw	11
C	3006-500-112	Footboard cover	1
D	3006-500-030	Footboard connector assembly	1
E	3006-500-050	Guide tube - rectangular assembly	1
F	3006-500-055	Guide tube - square assembly	1
G	3006-508-011	Label, footboard screw cover	11
H	3006-050-900	Footboard accent panel, white	1
J	0011-436-000	Washer	13
K	0023-118-100	Pan head tapping screw	2

Footboard assembly, iBed Awareness option (with Bed Exit, scale, and zone control)

3006-500-100 Rev AA (Reference only)





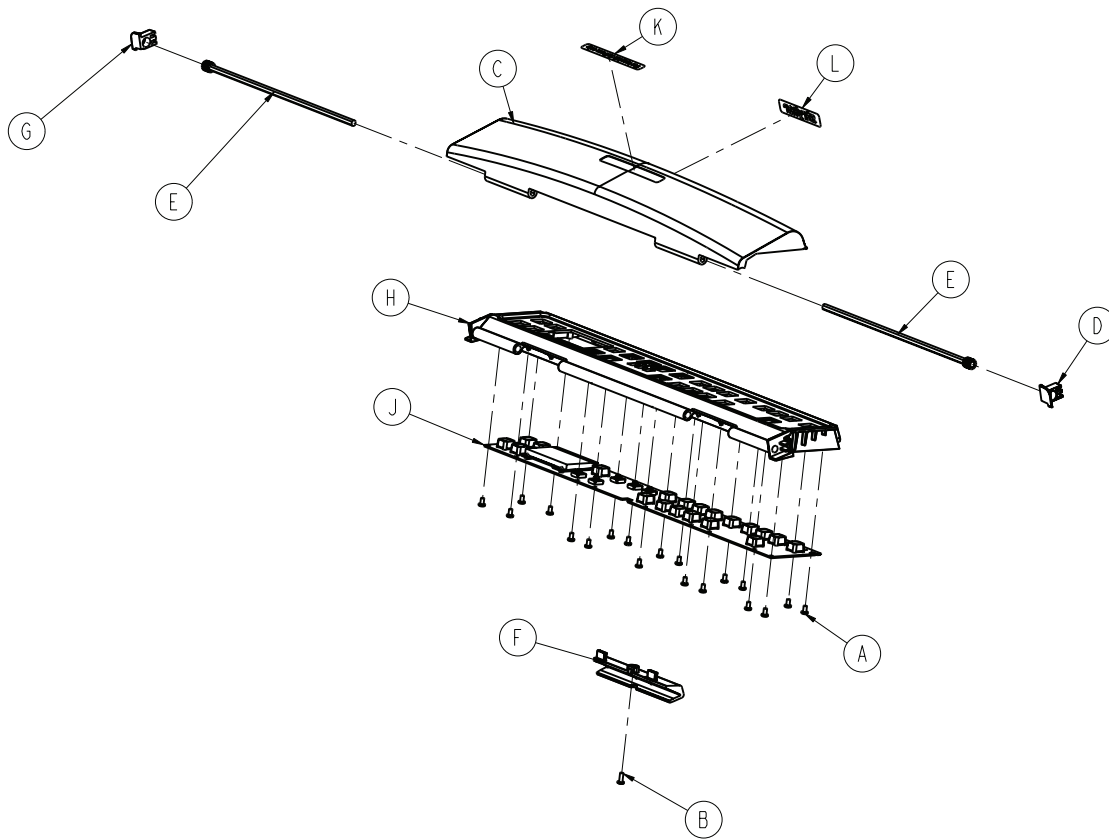
Item	Number	Name	Quantity
A	3001-400-953	Switch cap	5
B	3006-500-008	LBS indicator light assembly	1
C	3006-500-080	Footboard right lens assembly	1
D	3006-500-090	Footboard left lens assembly	1
E	3006-500-804	Footboard cable, right lens	1
F	3006-500-805	Footboard cable, left lens	1
G	3006-508-002	Label, Bed Exit with zone control	1
H	3006-508-107	Label, scale	1
J	3006-508-108	Label, Awareness	1
K	3006-508-106	Label, Bed Exit with zone control	1
L	0023-319-000	Hex washer head tapping screw	14

Item	Number	Name	Quantity
M	3006-400-208	Label, cable restraint	1
N	3006-508-105	Label, Wi-Fi capable	1

* Kit, footboard assembly, **iBed®** Awareness - 3006-700-136

Footboard module assembly

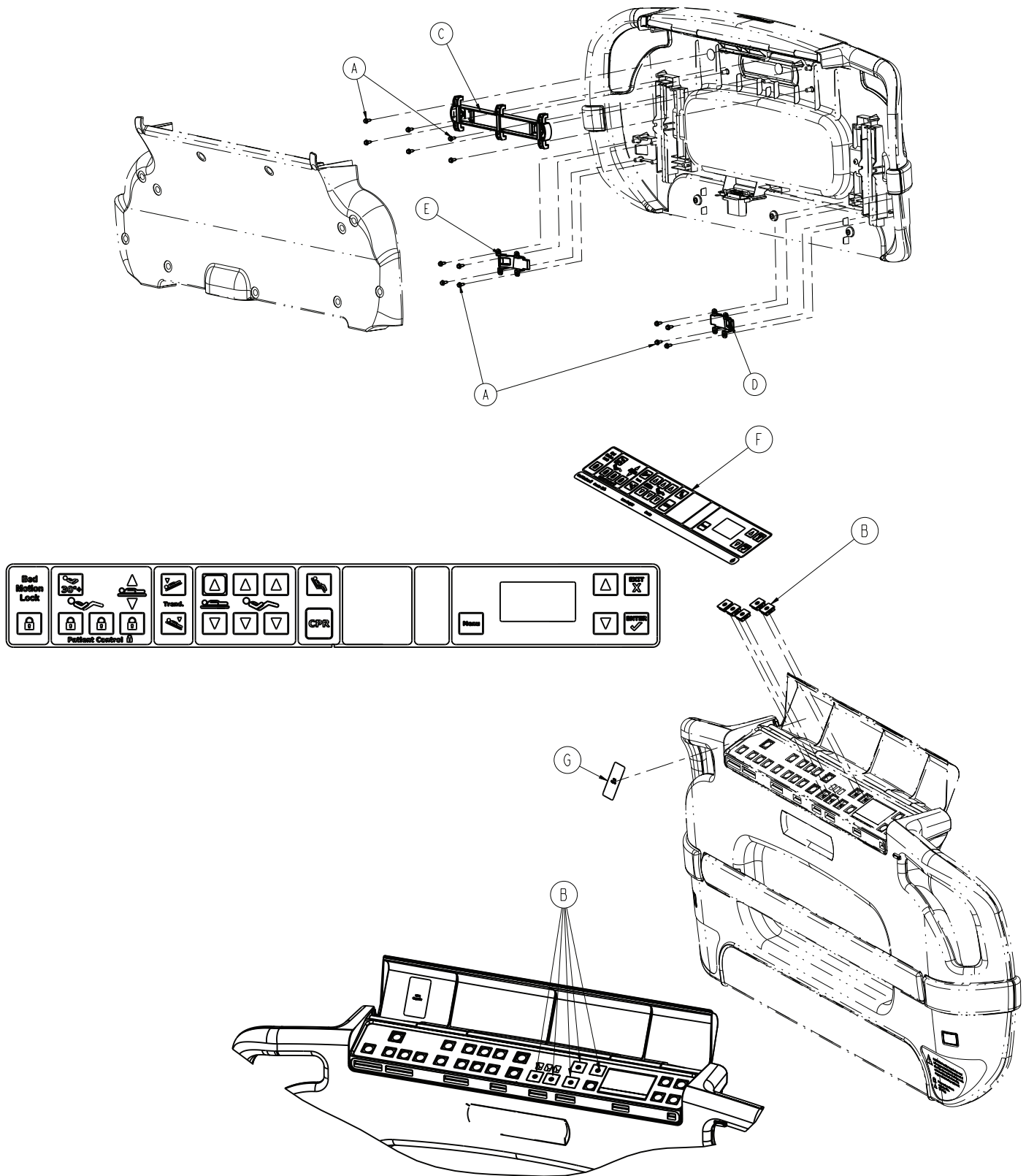
3006-501-011 Rev A (Reference only)



Item	Name	Number	Quantity
A	0023-087-000	Hi-low tapping screw	19
B	0023-103-000	Hi-low tapping screw	1
C	3006-500-001	Footboard lid	1
D	3006-500-028	Bushing, right	1
E	3006-500-029	PCB shaft damper assembly	2
F	3006-500-031	PCB mount support	1
G	3006-500-032	Bushing, left	1
H	3006-500-202	Footboard PCB support	1
J	3006-501-900	Gateway footboard PCB assembly	1
K	3006-508-013	Label, lid, hospital staff use	1
L	3006-508-014	Label, lid, logo	1

Footboard assembly, no options

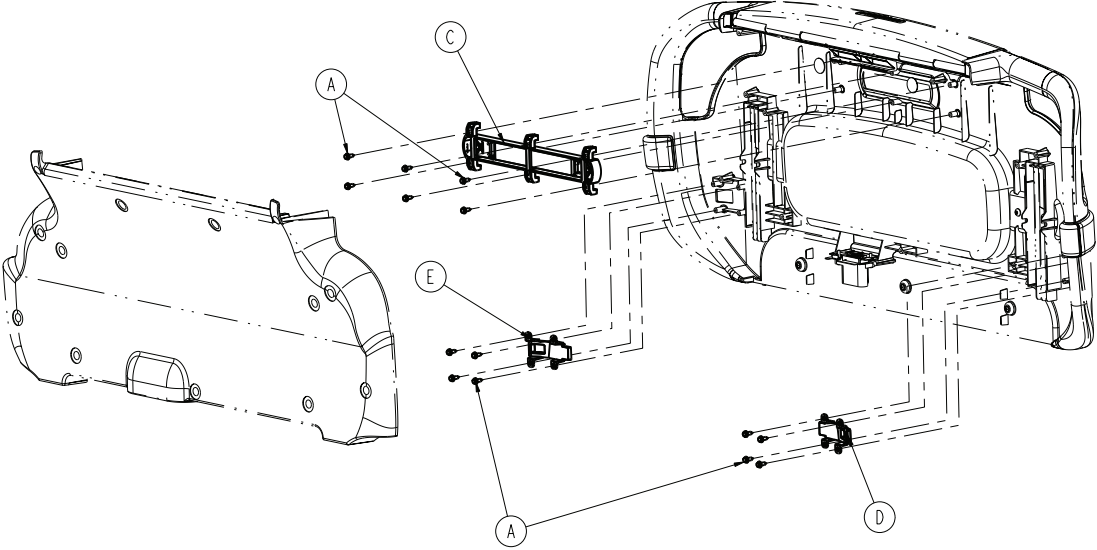
3005-999-101 Rev A (Reference only)

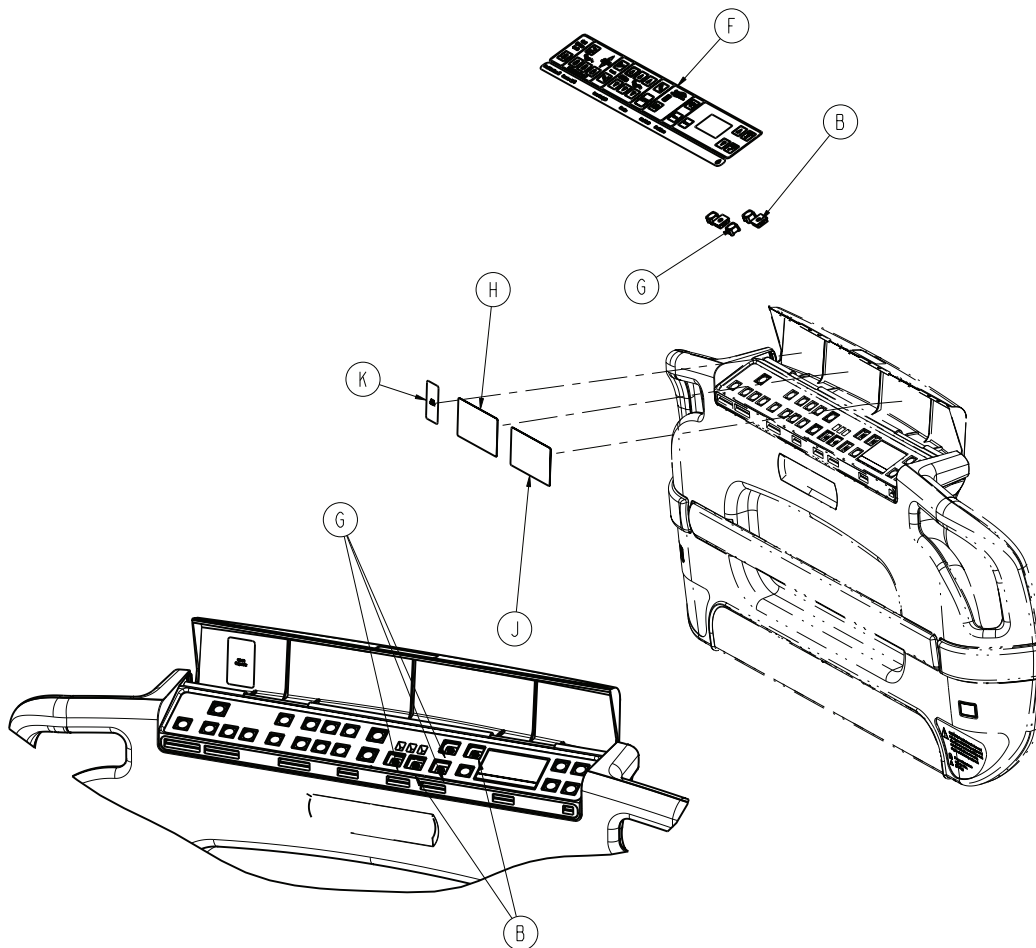
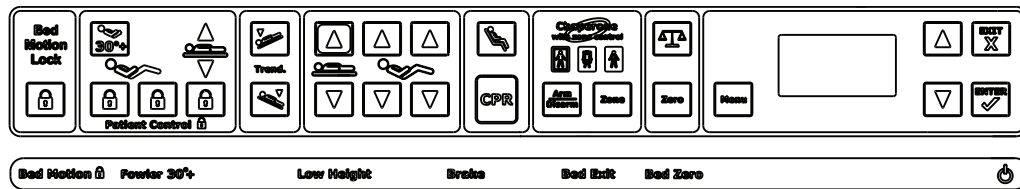


Item	Name	Number	Quantity
A	0023-319-000	Hex washer head tapping screw	14
B	3001-400-522	Filler cap	5
C	3006-500-007	Center lens Non-LBS assembly	1
D	3006-500-081	Non-LBS lens, blank inserts, right	1
E	3006-500-082	Non-LBS lens, blank inserts, left	1
F	3006-508-004	Label, footboard, no scale, no Bed Exit	1
G	3006-508-105	Label, Wi-Fi capable	1
H	3006-300-500	Base bed lift header assembly (not shown)	2

Footboard assembly, scale, Bed Exit, and zone control option

3005-999-102 Rev A (Reference only)



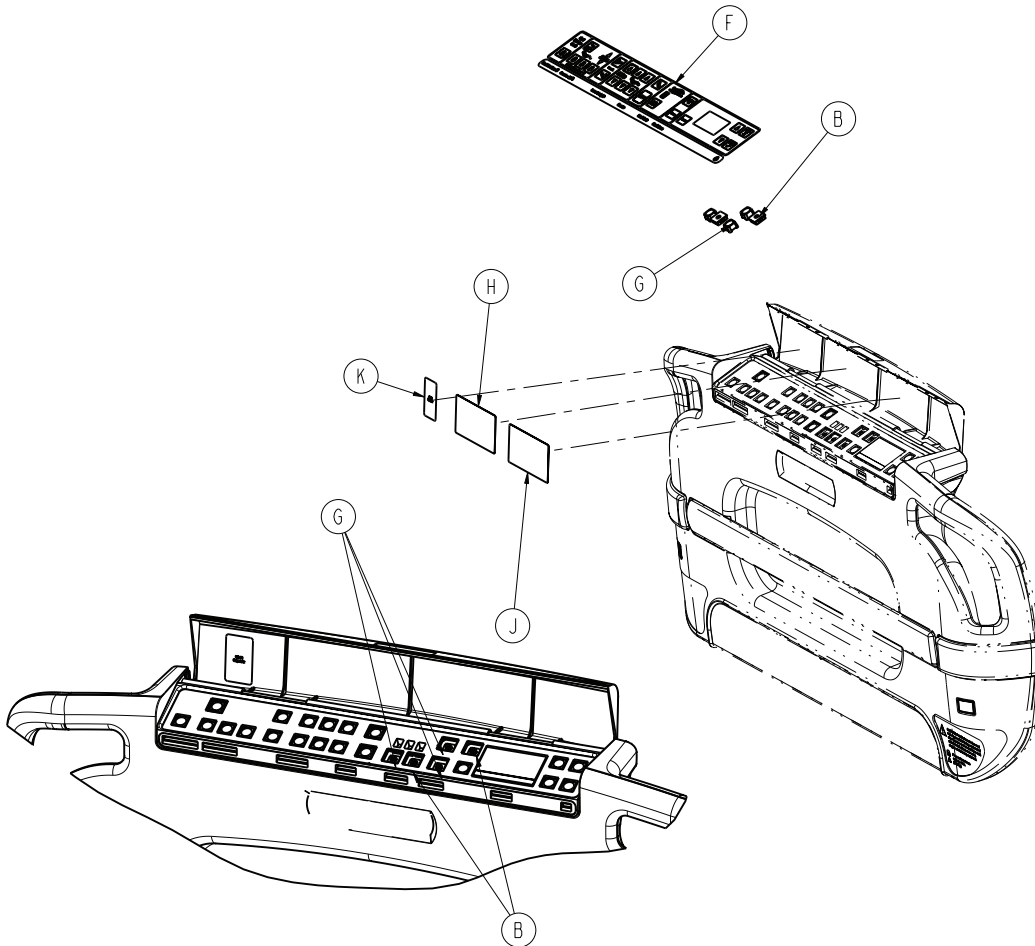
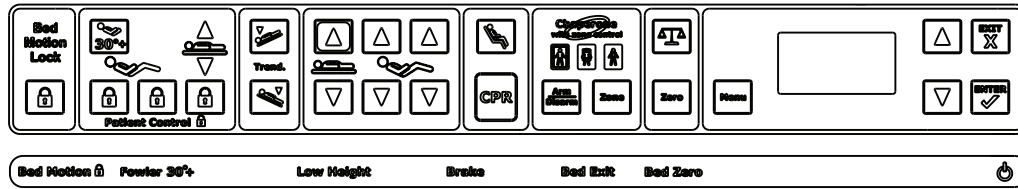
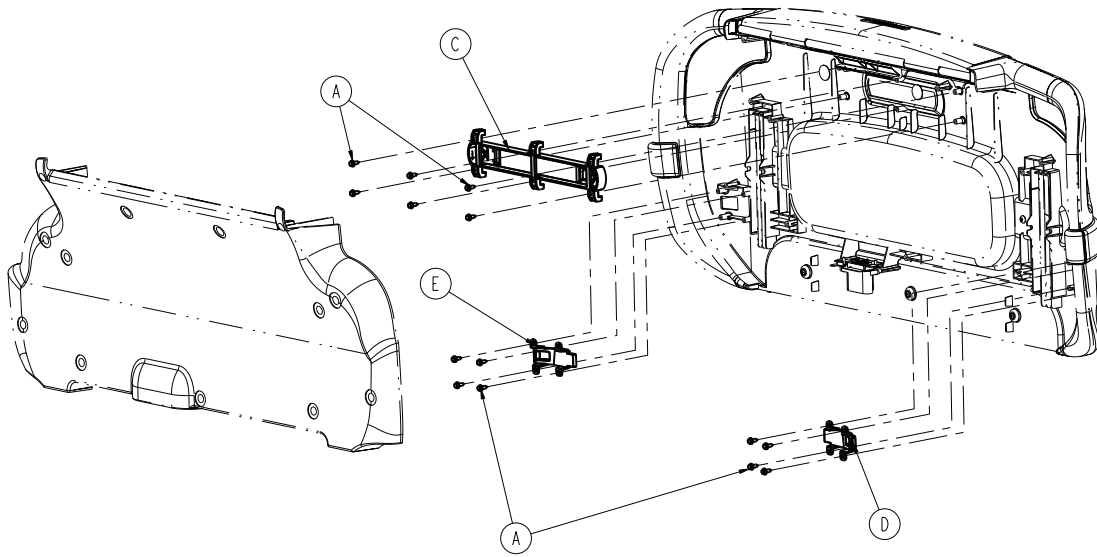


Item	Name	Number	Quantity
A	0023-319-000	Hex washer head tapping screw	14
B	3001-400-522	Filler cap	1
C	3006-500-007	Center lens Non-LBS assembly	1
D	3006-500-081	Non-LBS lens blank insert, right	1
E	3006-500-082	Non-LBS lens blank insert, left	1
F	3006-508-009	Label, footboard with scale, Bed Exit, and zone control	1
G	3001-400-953	Switch cap	4
H	3006-508-106	Label, Bed Exit with zone control	1
J	3006-508-107	Label, scale	1
K	3006-508-105	Label, Wi-Fi capable	1

Item	Name	Number	Quantity
L	3006-307-501	Load cells lift header assembly (not shown)	1
M	3006-326-501	Load cells lift header assembly, isolated Foley bag hooks (not shown)	1
N	3002-317-003	Bed Exit/scale assembly (not shown)	1

Footboard assembly, scale, Bed Exit, and zone controls, signature

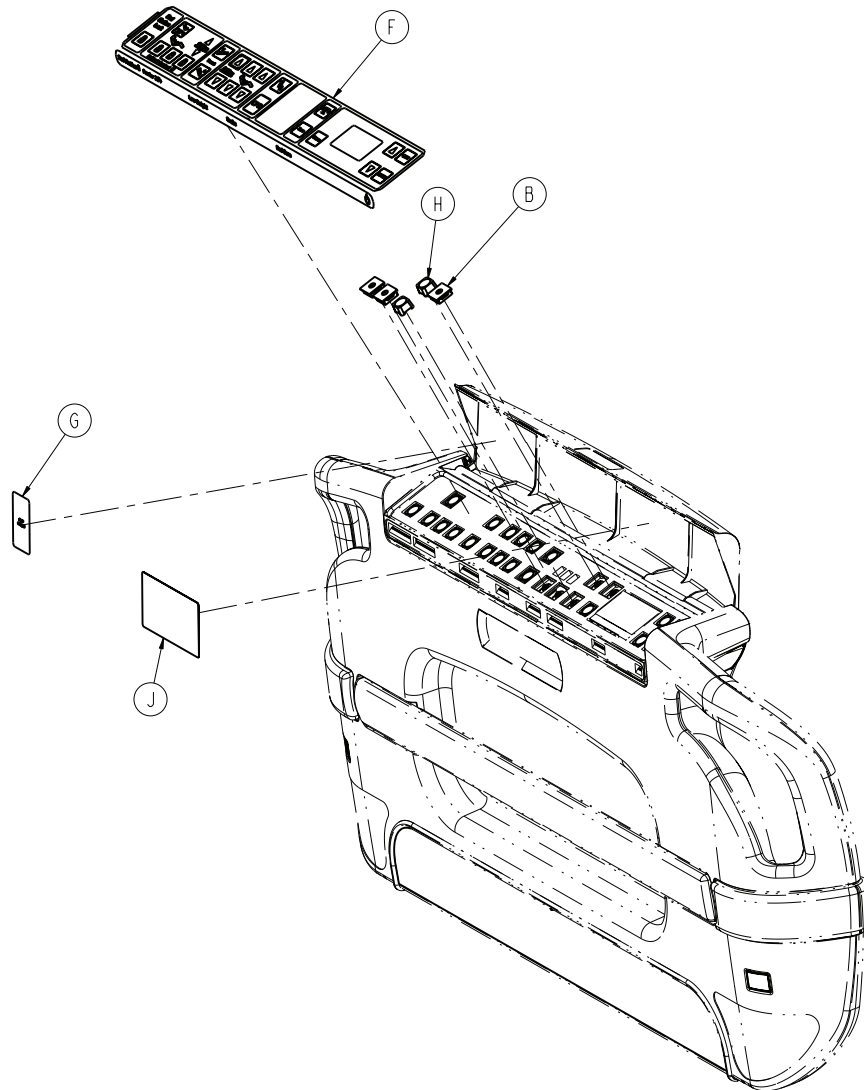
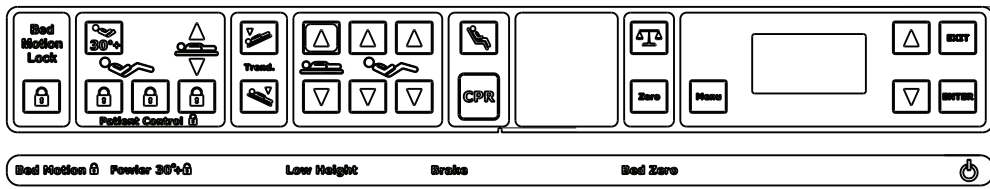
3005-971-102 Rev A (Reference only)

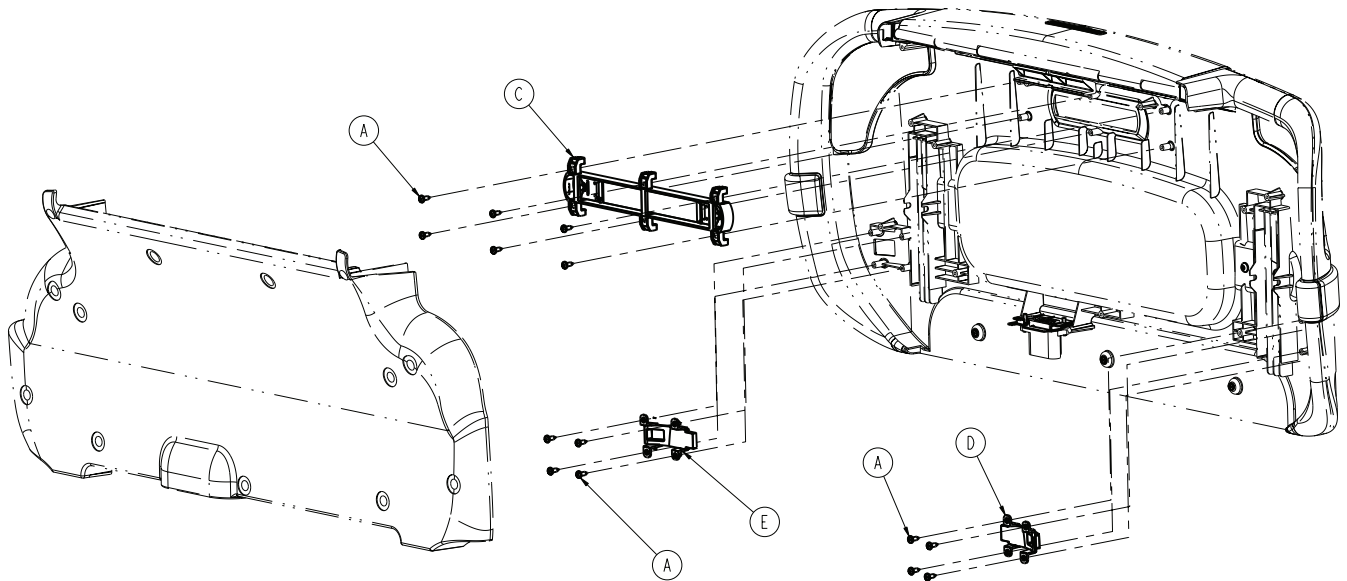


Item	Name	Number	Quantity
A	0023-319-000	Hex washer head tapping screw	14
B	3001-400-522	Filler cap	1
C	3006-500-007	Center lens Non-LBS assembly	1
D	3006-500-081	Non-LBS lens blank insert, right	1
E	3006-500-082	Non-LBS lens blank insert, left	1
F	3006-571-009	Label, footboard with scale, Bed Exit, and zone control	1
G	3001-400-953	Switch cap	4
H	3006-508-106	Label, Bed Exit with zone control	1
J	3006-508-107	Label, scale	1
K	3006-508-105	Label, Wi-Fi capable	1
L	3006-307-501	Load cells lift header assembly (not shown)	1
M	3006-326-501	Load cells lift header assembly, isolated Foley bag hooks (not shown)	1
N	3002-317-003	Bed Exit/scale assembly (not shown)	1

Footboard assembly, scale only

3005-999-104 Rev C (Reference only)

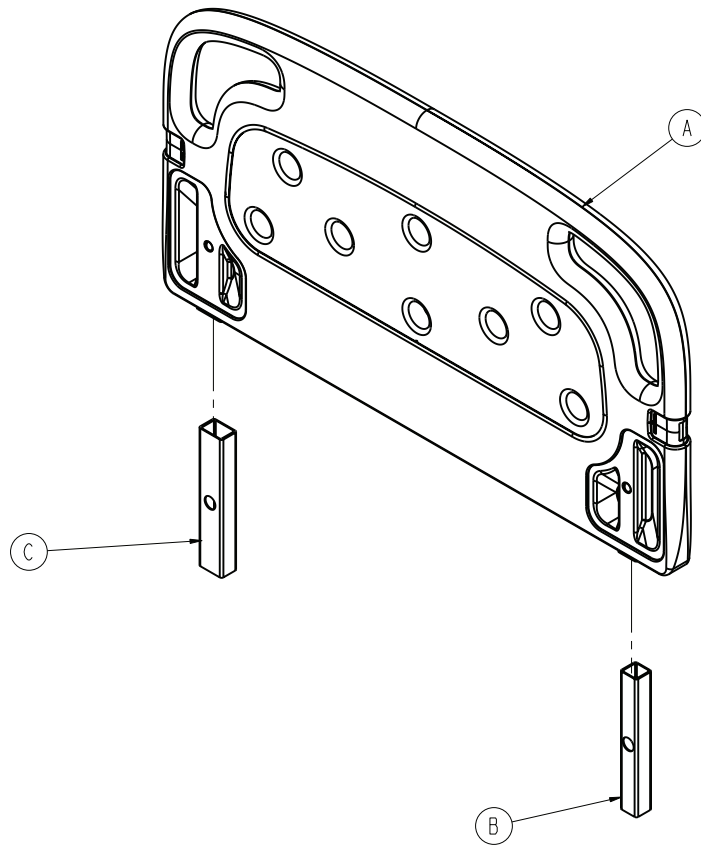




Item	Name	Number	Quantity
A	0023-319-000	Hex washer head tapping screw	14
B	3001-400-522	Filler cap	3
C	3006-500-007	Center lens Non-LBS assembly	1
D	3006-500-081	Non-LBS lens blank insert, right	1
E	3006-500-082	Non-LBS lens blank insert, left	1
F	3005-508-008	Label, footboard, scale only	1
G	3006-508-105	Label, Wi-Fi capable	1
H	3001-400-953	Switch cap	2
J	3006-508-107	Label, scale	1
L	3006-307-501	Load cells lift header assembly (not shown)	1
M	3006-326-501	Load cells lift header assembly, isolated Foley bag hooks (not shown)	1
N	3002-317-003	Bed/exit scale assembly (not shown)	1

Headboard assembly

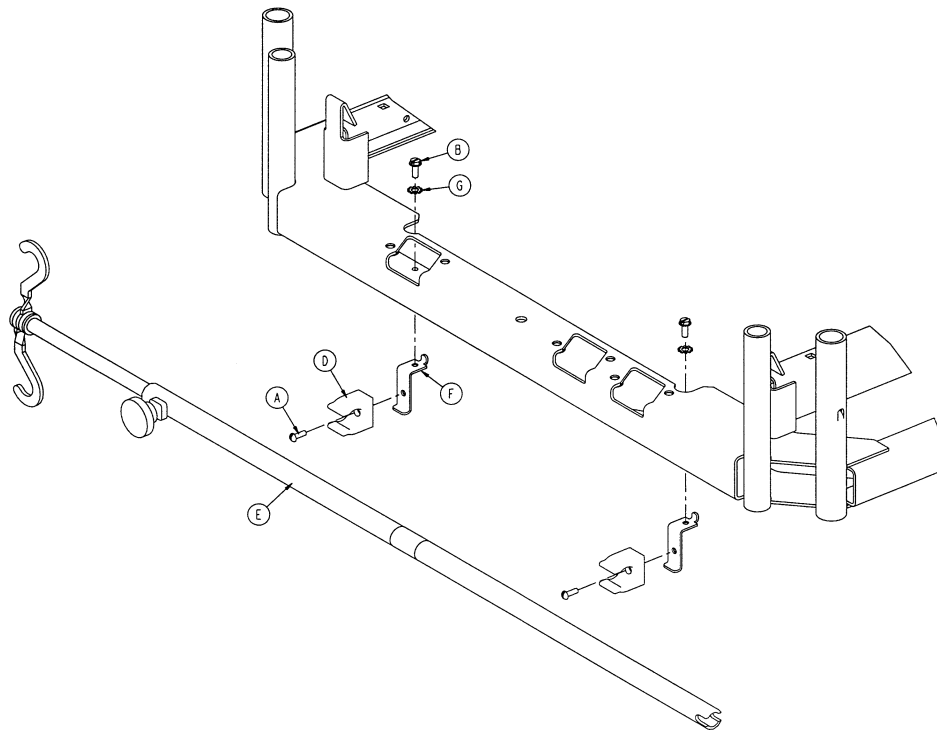
3005-600-010 Rev B (Reference only)



Item	Name	Number	Quantity
A	3005-600-012	S3 headboard	1
B	3005-600-009	Square guide tube	1
C	3005-600-019	Rectangular guide tube	1

Removable IV pole and mounting assembly - 3001-338-010

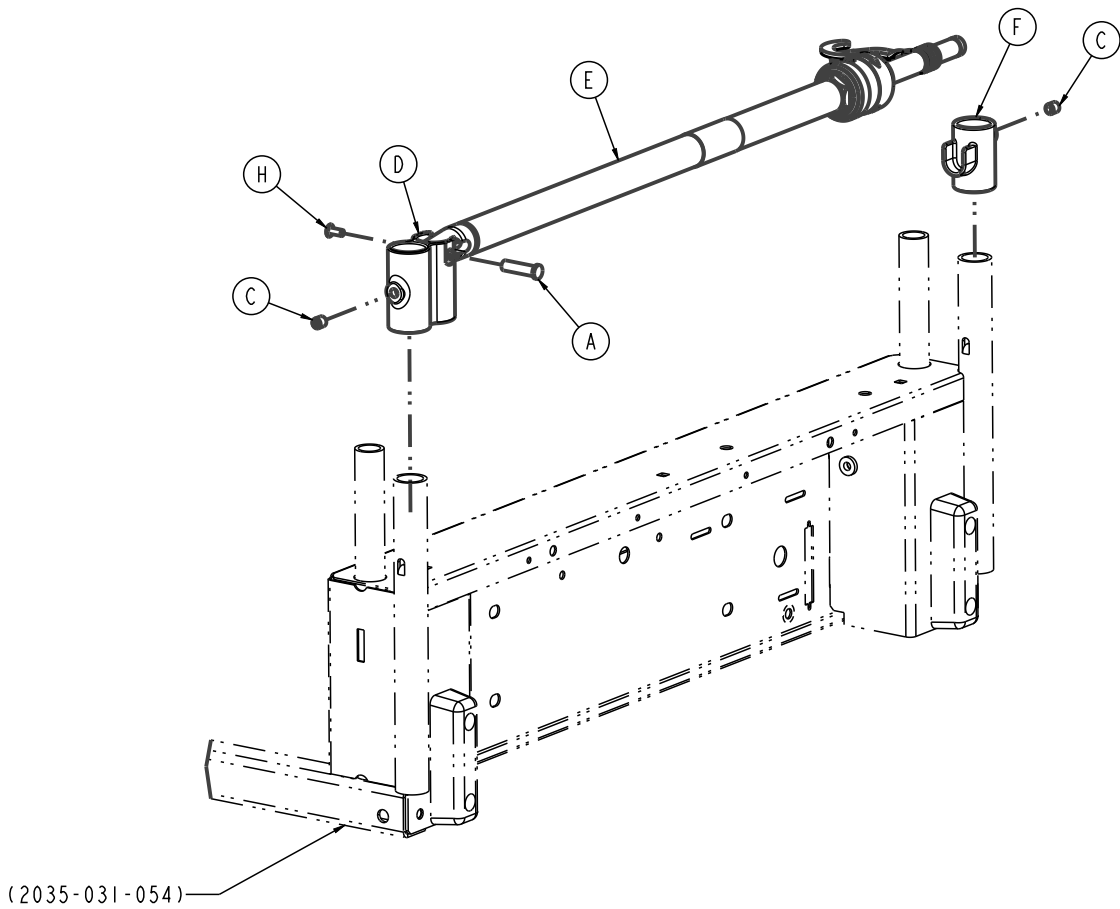
Rev A (Reference only)



Item	Number	Name	Quantity
A	0002-031-000	Round head screw	2
B	0003-124-000	Hex washer head screw	2
D	0958-001-224	IV clip	2
F	3001-300-087	Mounting bracket	2
G	0013-018-000	External tooth lock washer	2

Two-stage IV pole mounting assembly - 2035-112-000

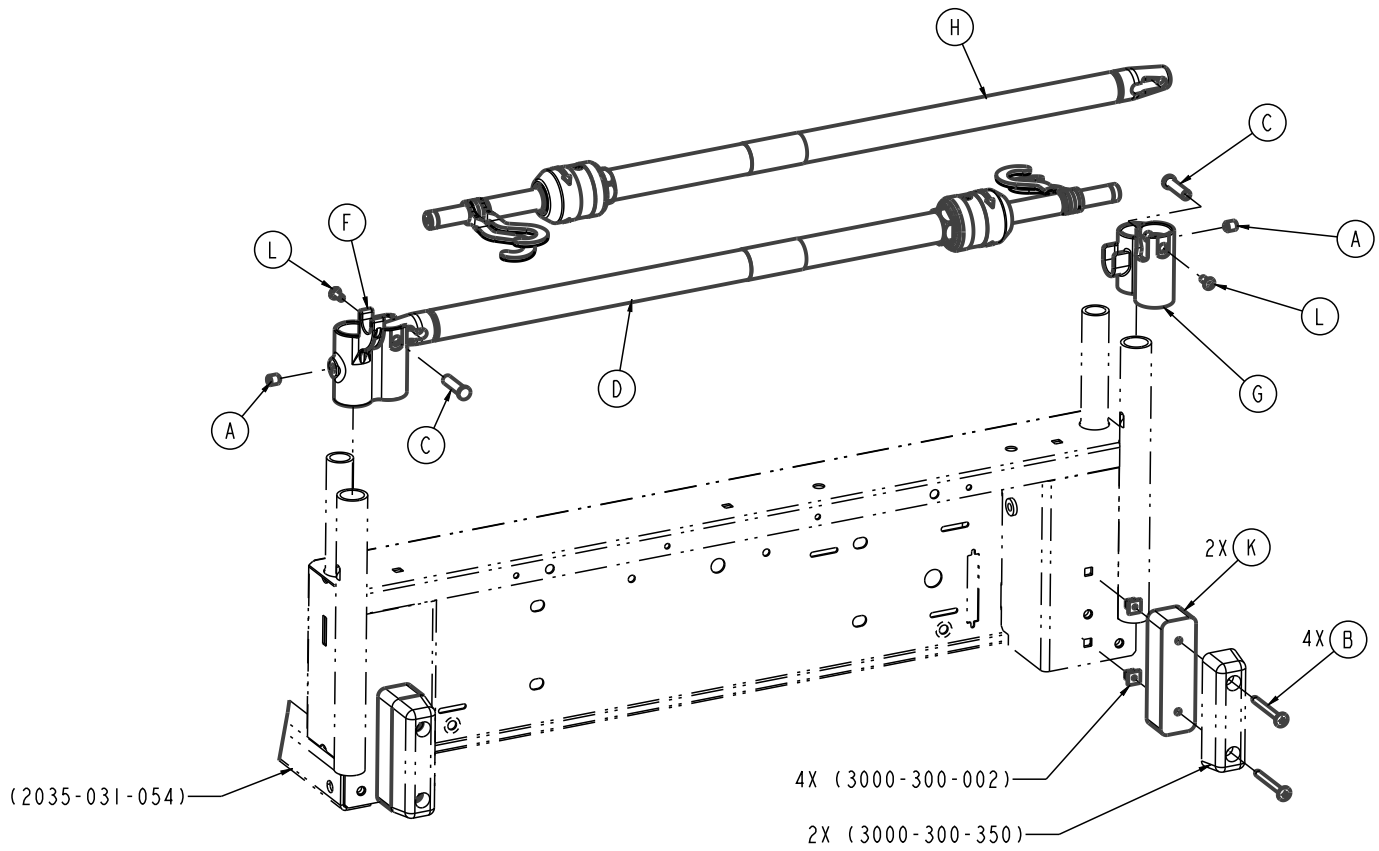
Rev AA (Reference only)



Item	Number	Name	Quantity
A	0785-048-025	Handle pivot pin	1
C	0021-193-000	Set screw with 90° nylon patch	2
D	2035-112-011	IV receptacle, head end left	1
E	2035-112-010	<i>Two-stage IV pole - 2035-112-010/ 2035-113-011 (page 220)</i>	1
F	3000-311-036	IV rest	1
H	0025-079-000	Dome head rivet	1

Two-stage IV pole mounting assembly - 2035-113-000

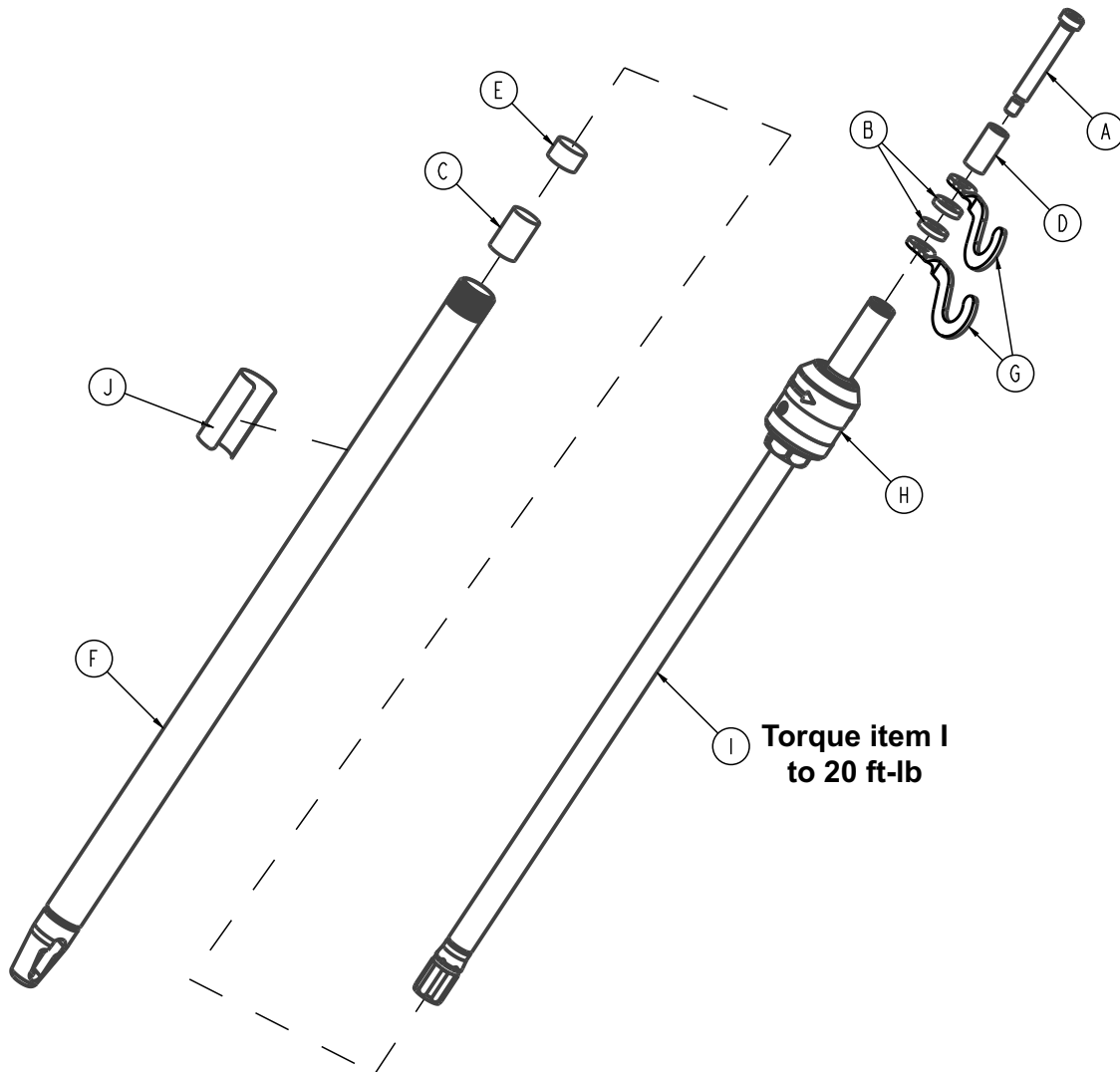
Rev AA (Reference only)



Item	Number	Name	Quantity
A	0021-193-000	Set screw with 90° nylon patch	2
B	0023-277-000	Truss head screw	4
C	0785-048-025	Handle pivot pin	2
D	2035-112-010	<i>Two-stage IV pole - 2035-112-010/ 2035-113-011 (page 220)</i>	1
F	2035-113-021	IV receptacle, dual HE, left	1
G	2035-113-012	IV receptacle, dual HE, right	1
H	2035-113-011	<i>Two-stage IV pole - 2035-112-010/ 2035-113-011 (page 220)</i>	1
K	2035-113-006	Head end bumper spacer	2
L	0025-079-000	Dome head rivet	2

Two-stage IV pole - 2035-112-010/2035-113-011

Rev AA/Rev AA (Reference only)



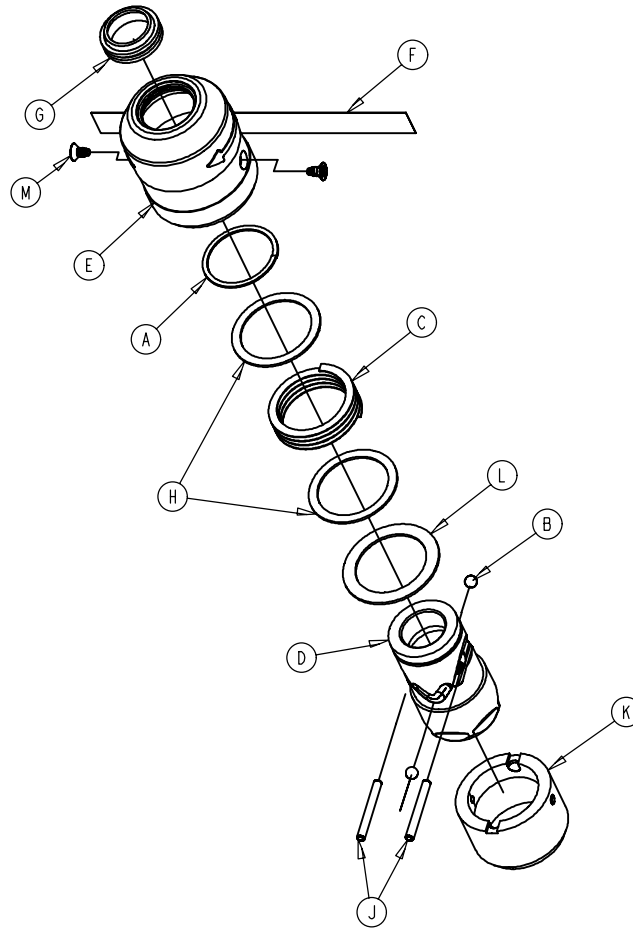
2035-112-010 Rev AA (left)

Item	Number	Name	Quantity
A	0008-031-000	Hex socket head shoulder bolt	1
B	0052-017-000	Spacer	2
C	0052-310-000	Spacer	1
D	0926-400-062	Stop sleeve	1
E	1001-259-013	Dampener	1
F	1001-259-032	Base tube weldment	1
G	1010-059-016	IV hook	2
H	0785-035-103	IV pole latch	1
I	1211-110-029	Two-stage assembly	1

J	2035-112-111	Specification label	1
2035-113-011 Rev AA (right)			
A	0008-031-000	Hex socket head shoulder bolt	1
B	0052-017-000	Spacer	2
C	0052-311-000	Spacer	1
D	0926-400-062	Stop sleeve	1
E	1001-259-013	Dampener	1
F	1001-259-032	Base tube weldment	1
G	1010-059-016	IV hook	2
H	0785-035-103	IV pole latch	1
I	1211-110-029	Two-stage assembly	1
J	2035-113-112	Specification label	1

IV pole latch assembly - 0785-035-103

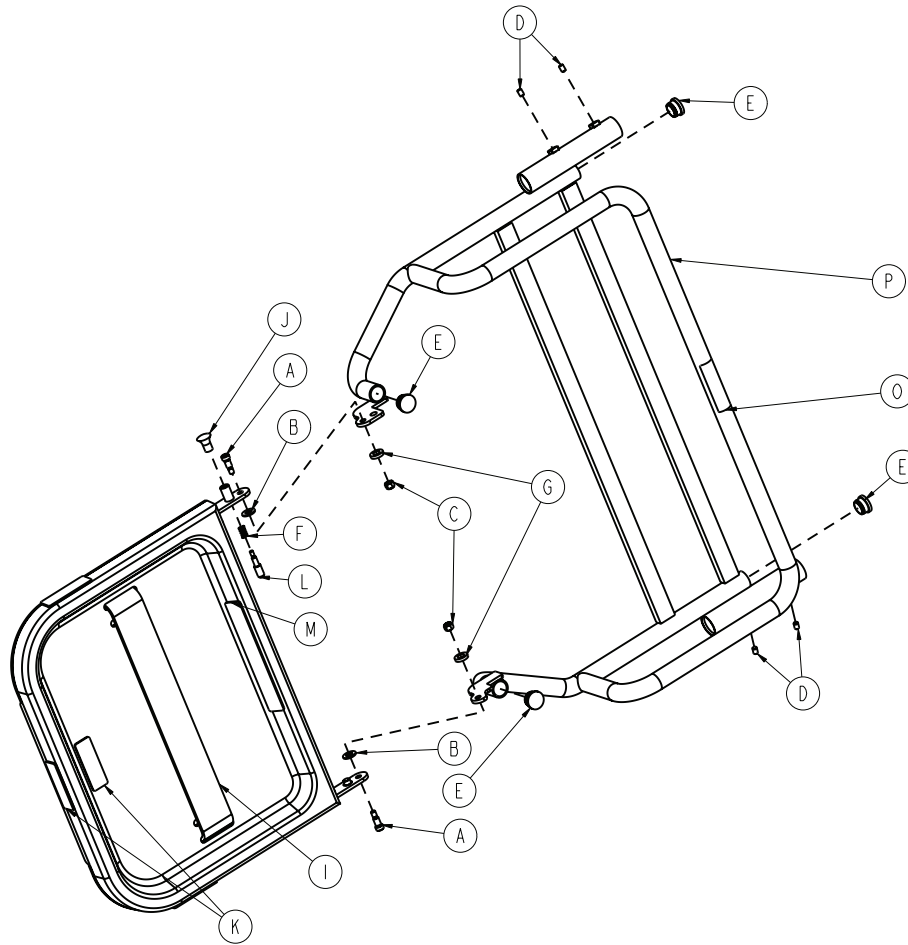
Rev B (Reference only)



Item	Number	Name	Quantity
A	0028-167-000	Retaining ring	1
B	0031-004-000	Steel ball	2
C	0038-392-000	Wave spring	1
D	0785-035-023	IV latch, ID housing	1
E	0785-035-024	IV latch, OD housing	1
F	0785-035-029	Label, IV release	1
G	1211-110-018	IV latch seal	1
H	1211-110-020	Washer	2
J	1211-110-021	IV latch locking pin	2
K	1211-110-022	IV latch guide	1
L	1211-110-035	Washer	1
M	1211-110-036	Self tapping screw	2

Defibrillator tray assembly - 3006-120-004

Rev A (Reference only)

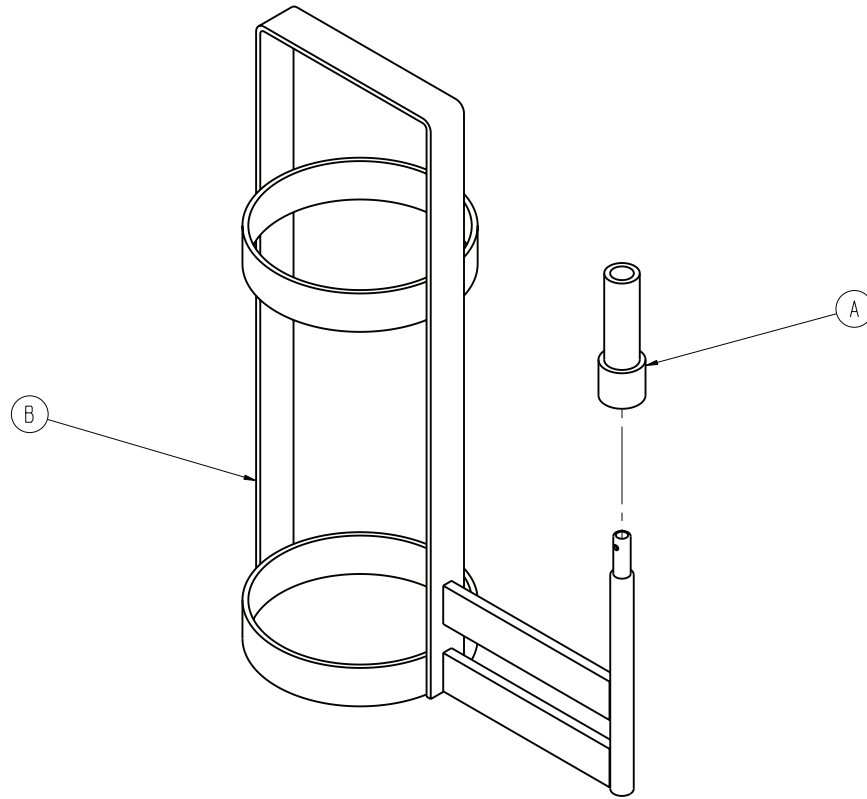


Item	Number	Name	Quantity
A	0008-049-000	Socket head shoulder bolt	2
B	0014-020-000	Thrust washer	2
C	0016-028-000	Fiberlock nut	2
D	0021-017-000	Set screw	4
E	0037-214-000	Hole plug	4
F	0038-133-000	Spring	1
G	0052-017-000	Spacer	2
H	1010-050-019	Label, not intended	1
I	1010-050-021	Long strap	1
J	1010-050-050	Knob	1
K	1010-050-057	Label, max weight 40 lb	4
L	1010-050-242	Pin lock	1
M	2025-120-005	Label, defib/equipment	1
N	3006-120-018	Tray assembly	1

Item	Number	Name	Quantity
O	2040-090-001	Warning label, accessories	1
P	3006-120-003	Evac rack weldment	1

Upright bottle holder assembly - 3006-150-000

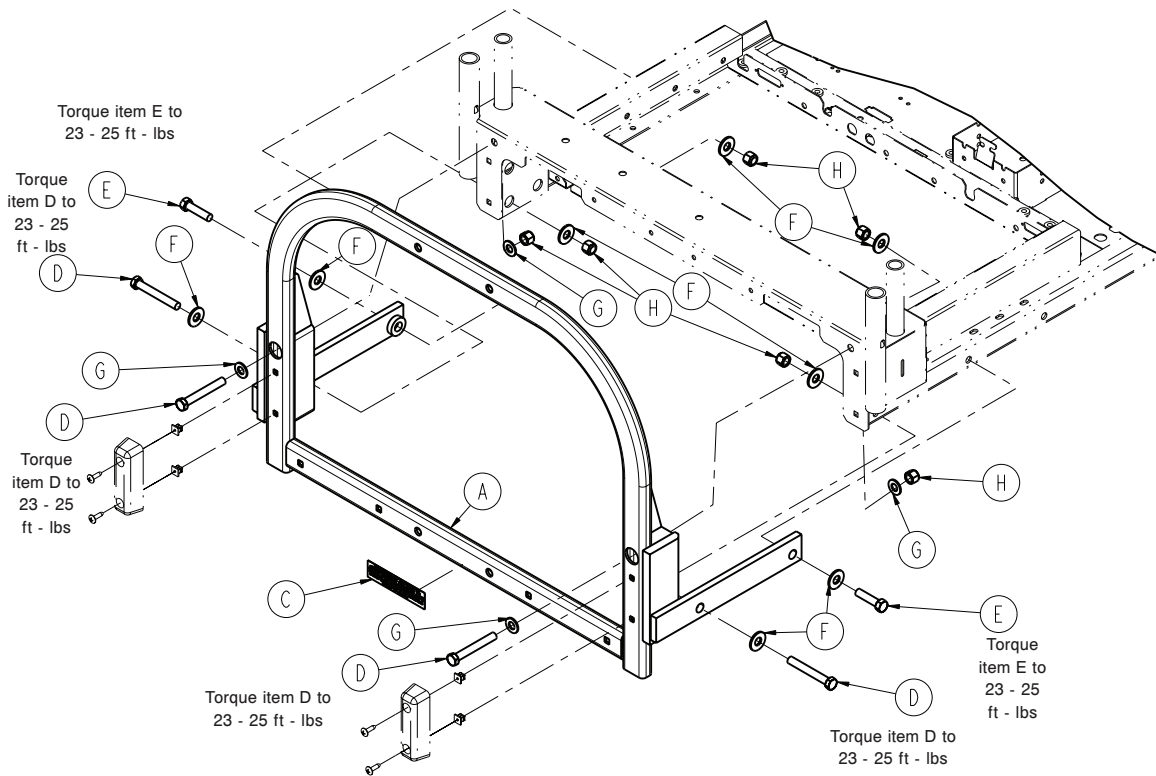
Rev A (Reference only)



Item	Number	Name	Quantity
A	2025-150-001	Oxygen bottle holder adapter	1
B	3006-046-001	Upright bottle holder	1

Accessory adapter frame - 3006-333-000

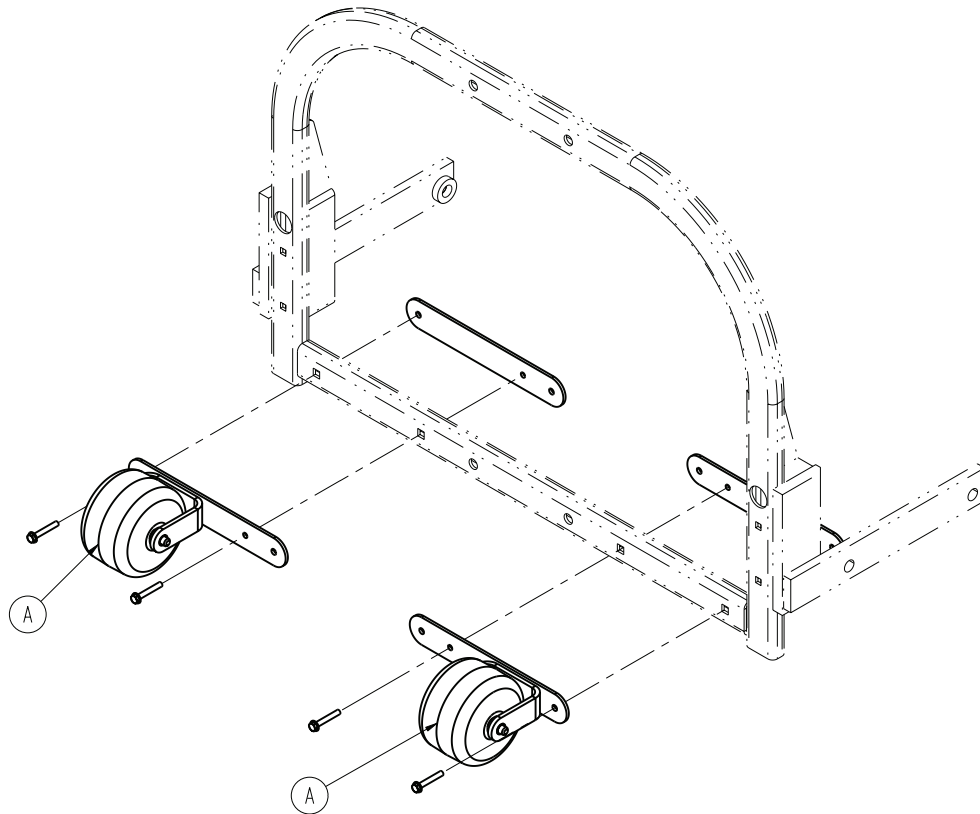
Rev B (Reference only)



Item	Number	Name	Quantity
A	3006-334-010	Adapter frame assembly	1
C	3000-333-015	Label, accessory adapter	1
D	0003-208-000	Hex head cap screw	4
E	0003-025-000	Hex head cap screw	2
F	0011-361-000	Flat washer	8
G	0011-004-000	Flat washer	4
H	0016-035-000	Nylock nut	6

Patient helper assembly - 3006-345-000

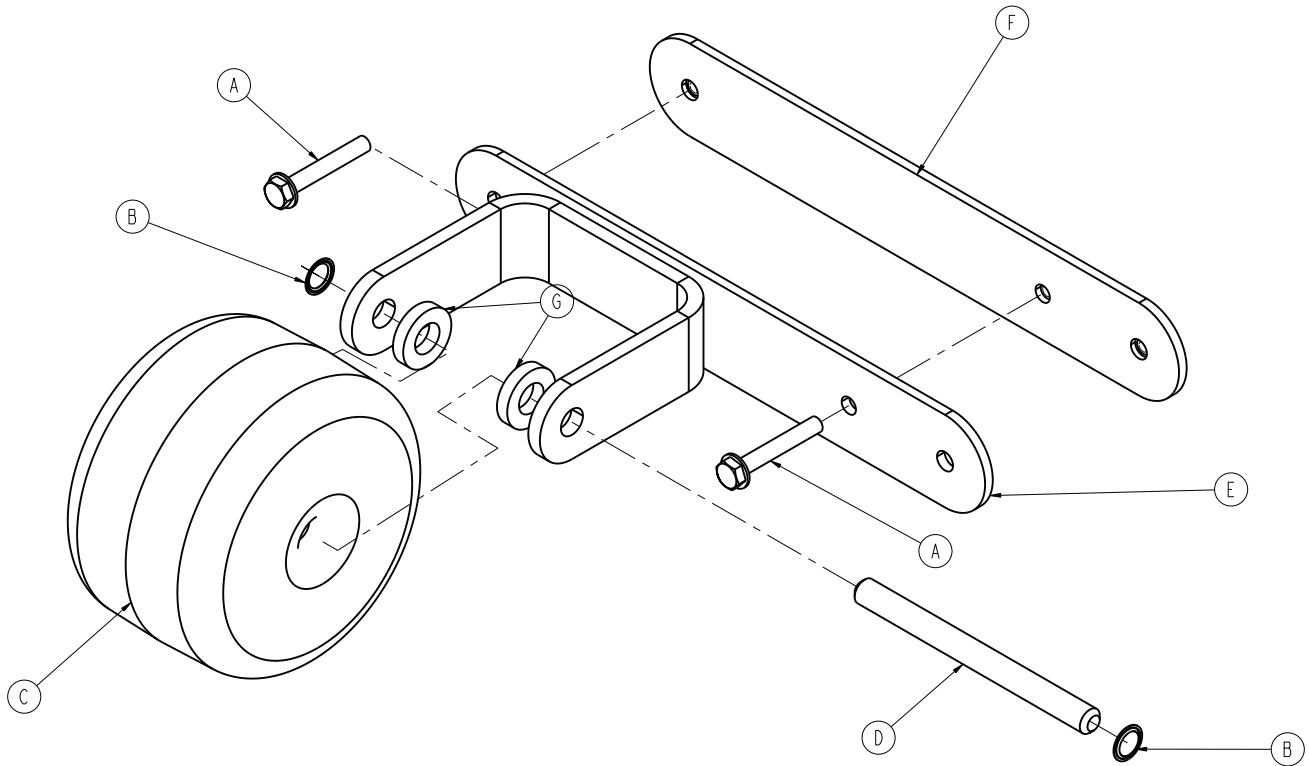
Rev A (Reference only)



Item	Number	Name	Quantity
A	3006-345-005	Patient helper roller assembly (page 228)	2

Patient helper roller assembly

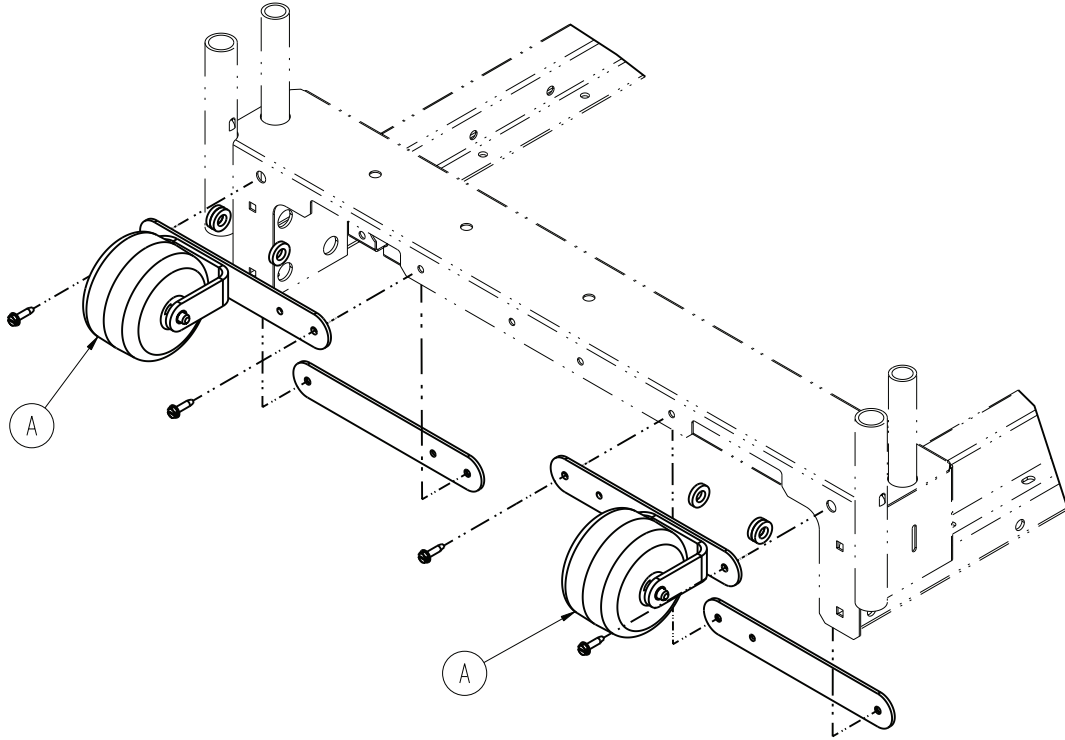
3006-345-005 Rev A (Reference only)



Item	Number	Name	Quantity
A	0003-369-000	Hex washer head screw	2
B	0052-727-000	Grooveless retainer ring	2
C	3000-335-011	Roller bumper	1
D	3000-335-012	Roller shaft	1
E	3006-336-020	Roller bracket assembly	1
F	3006-336-025	Roller mounting plate	1
G	0052-017-000	Plastic washer	2

Litter roller assembly - 3006-335-000

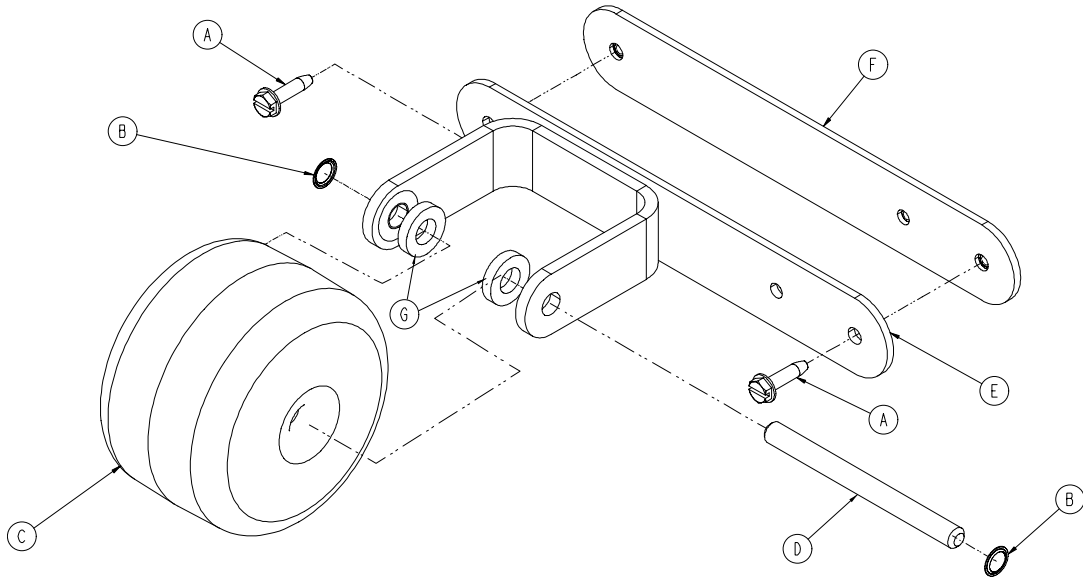
Rev C (Reference only)



Item	Number	Name	Quantity
A	3006-335-005	Roller assembly (page 230)	2

Roller assembly

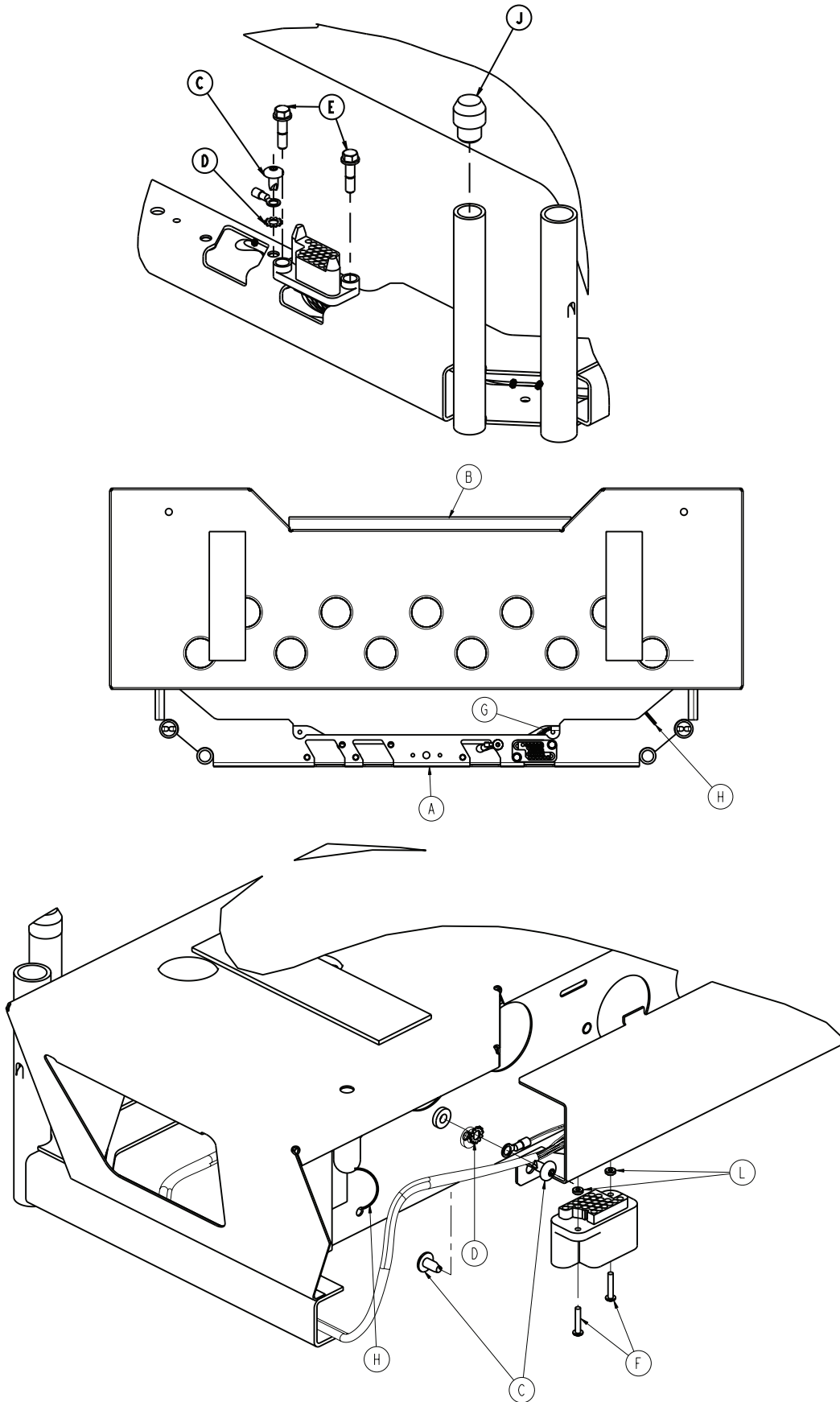
3006-335-005 Rev C (Reference only)



Item	Number	Name	Quantity
A	0003-225-000	Hex washer head screw	2
B	0052-727-000	Grooveless retainer ring	2
C	3000-335-011	Roller bumper	1
D	3000-335-012	Roller shaft	1
E	3006-336-020	Roller bracket assembly	1
F	3006-336-025	Roller mounting plate	1
G	0052-017-000	Plastic washer	2

Bed extender assembly

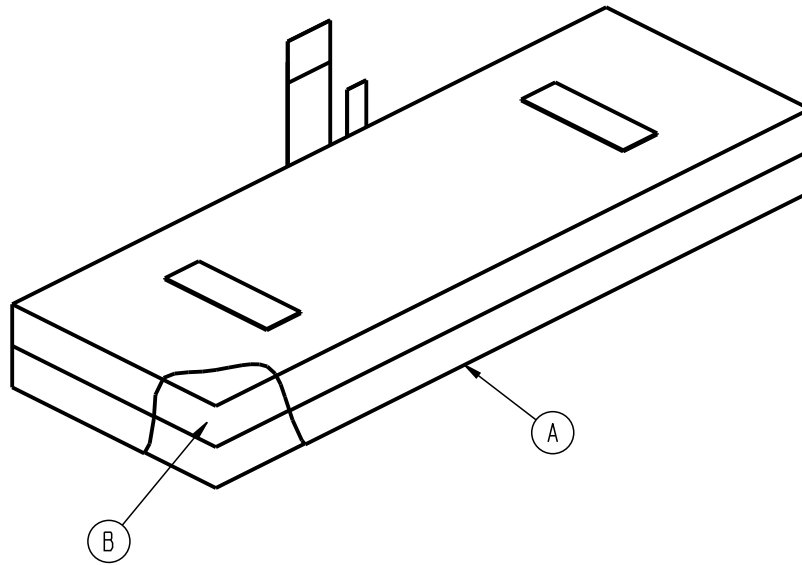
3006-346-020 Rev C (Reference only)



Item	Number	Name	Quantity
A	3006-319-050	Bed extender weldment	1
B	3006-319-031	Connector mounting bracket	1
C	0007-052-000	Hex washer head screw	4
D	0013-010-000	External tooth lock washer	2
E	3001-200-228	Mounting standoff	2
F	0050-039-000	Pan head machine screw	2
G	3003-318-801	Bed extender cable	1
H	3000-300-114	Cable tie	2
J	3006-300-349	Litter cap, foot end	2
L	0011-146-000	Washer	4

Bed extender mattress - 3000-318-050

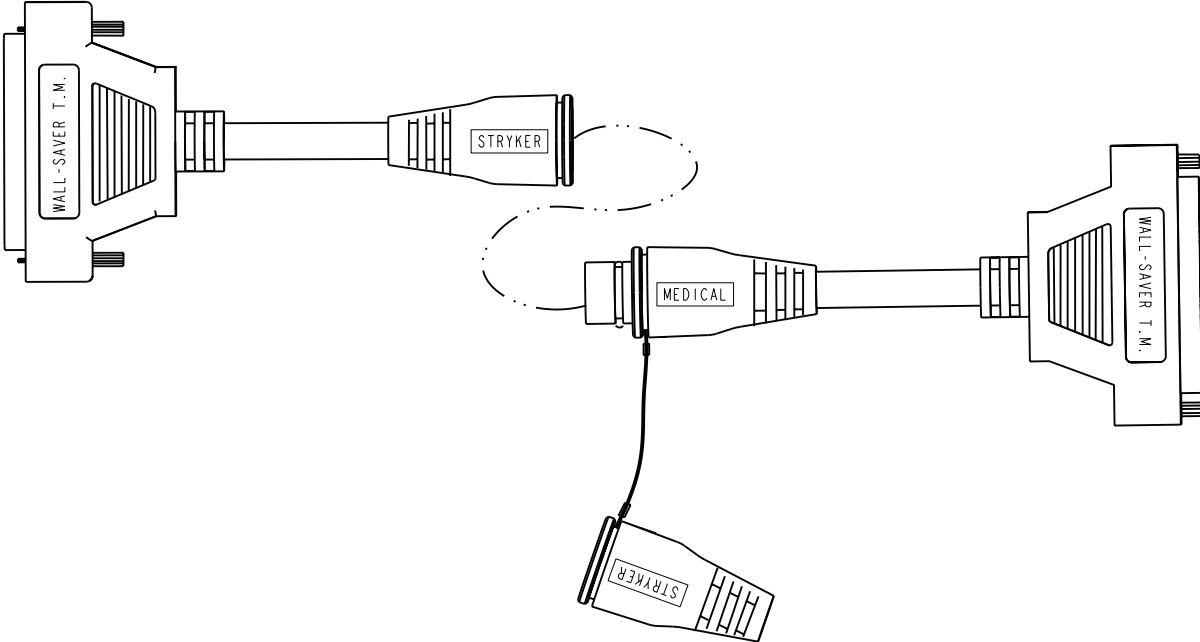
Rev AB (Reference only)



Item	Number	Name	Quantity
A	3000-318-051	Bed extender cover	1
B	3000-318-052	Foam pad assembly	1

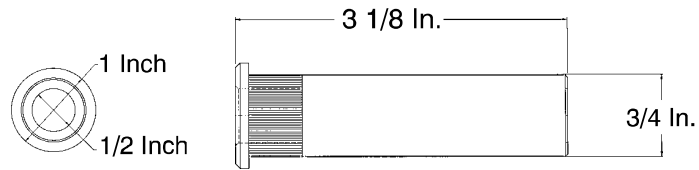
Wall saver - 3001-344-835

Rev G (Reference only)

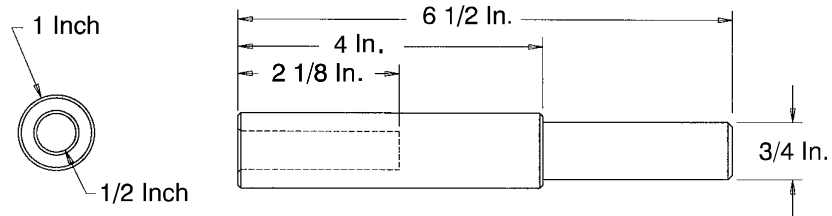


Traction socket extensions

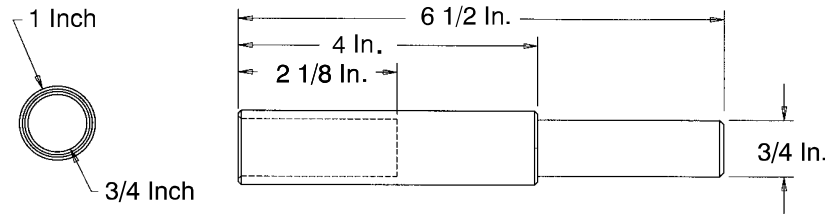
3000-337-050 Rev A (Reference only)



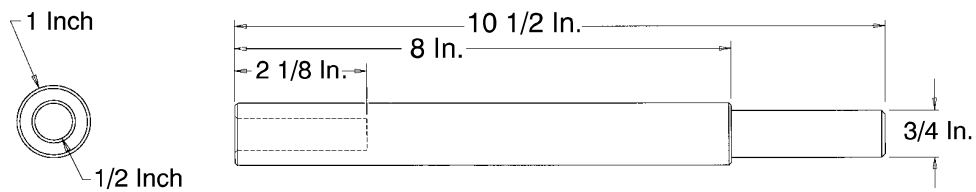
3000-337-450 Rev - (Reference only)



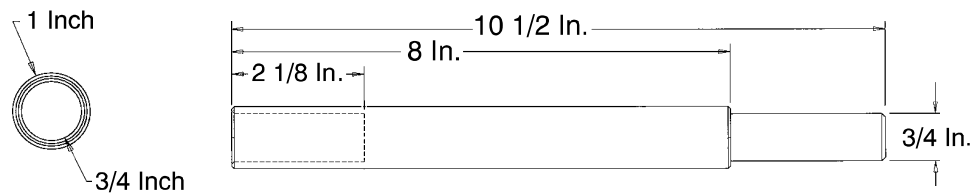
3000-337-475 Rev - (Reference only)



3000-337-850 Rev - (Reference only)



3000-337-875 Rev - (Reference only)



EMC information

Guidance and manufacturer's declaration - electromagnetic emissions

The 3005 S3 MedSurg bed is intended for use in the electromagnetic environment specified below. The customer or the user of the 3005 S3 MedSurg bed should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment
RF Emissions CISPR 11	Group 1	The 3005 S3 MedSurg bed uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	The 3005 S3 MedSurg bed is suitable for use in all establishments other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations Flicker Emissions IEC 61000-3-3	Complies	

Recommended separations distances between portable and mobile RF communication equipment and the 3005 S3 MedSurg bed

The 3005 S3 MedSurg bed is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the 3005 S3 MedSurg bed can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the 3005 S3 MedSurg bed as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $D=(1.2) (\sqrt{P})$	80 MHz to 800 MHz $D=(1.2) (\sqrt{P})$	800 MHz to 2.5 GHz $D=(2.3) (\sqrt{P})$
0.01	1.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3


Recommended separations distances between portable and mobile RF communication equipment and the 3005 S3 MedSurg bed			
100	12	12	23
<p>For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.</p> <p>Note - At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.</p> <p>Note - These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>			

Guidance and manufacturer's declaration - electromagnetic immunity			
<p>The 3005 S3 MedSurg bed is suitable for use in the electromagnetic environment specified below. The customer or the user of the 3005 S3 MedSurg bed should assure that it is used in such an environment.</p>			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/ output lines	± 2 kV for power supply lines ± 1 kV for input/ output lines	Main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 8 kV lines to lines ± 2 kV lines to earth	± 8 kV lines to lines ± 2 kV lines to earth	Main power quality should be that of a typical commercial or hospital environment.
Voltage dips, voltage variations and short interruptions on power supply input lines IEC 61000-4-11	$<5\%U_T$ ($>95\%$ dip in U_T) for 0,5 cycle $40\%U_T$ (60% dip in U_T) for 5 cycles $70\%U_T$ (30% dip in U_T) for 25 cycles $<5\% U_T$ ($>95\%$ dip in U_T) for 5 sec.	$<5\%U_T$ ($>95\%$ dip in U_T) for 0,5 cycle $40\%U_T$ (60% dip in U_T) for 5 cycles $70\%U_T$ (30% dip in U_T) for 25 cycles $<5\% U_T$ ($>95\%$ dip in U_T) for 5 sec.	Main power quality should be that of a typical commercial or hospital environment. If the user of the 3005 S3 MedSurg bed requires continued operation during power main interruptions, it is recommended that the device be powered from an uninterrupted power supply or a battery.

Guidance and manufacturer's declaration - electromagnetic immunity

Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
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Note - U_T is the a.c. mains voltage before applications of the test level.

<p>Conducted RF IEC 61000-4-6</p> <p>Radiated RF IEC 61000-4-3</p>	<p>3 Vrms 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2.5 GHz</p>	<p>3 Vrms</p> <p>3 V/m</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the 3005 S3 MedSurg bed, including cables, than the recommended separation distance calculated from the equation appropriate for the frequency of the transmitter.</p> <p>Recommended separation distance</p> <p>$D=(1.2) (\sqrt{P})$ 80 MHz to 800 MHz</p> <p>$D=(2.3) (\sqrt{P})$ 800 MHz to 2.5 GHz</p> <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey^a, should be less than the compliance level in each frequency range^b.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
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Note - At 80 MHz and 800 MHz, the higher frequency range applies.

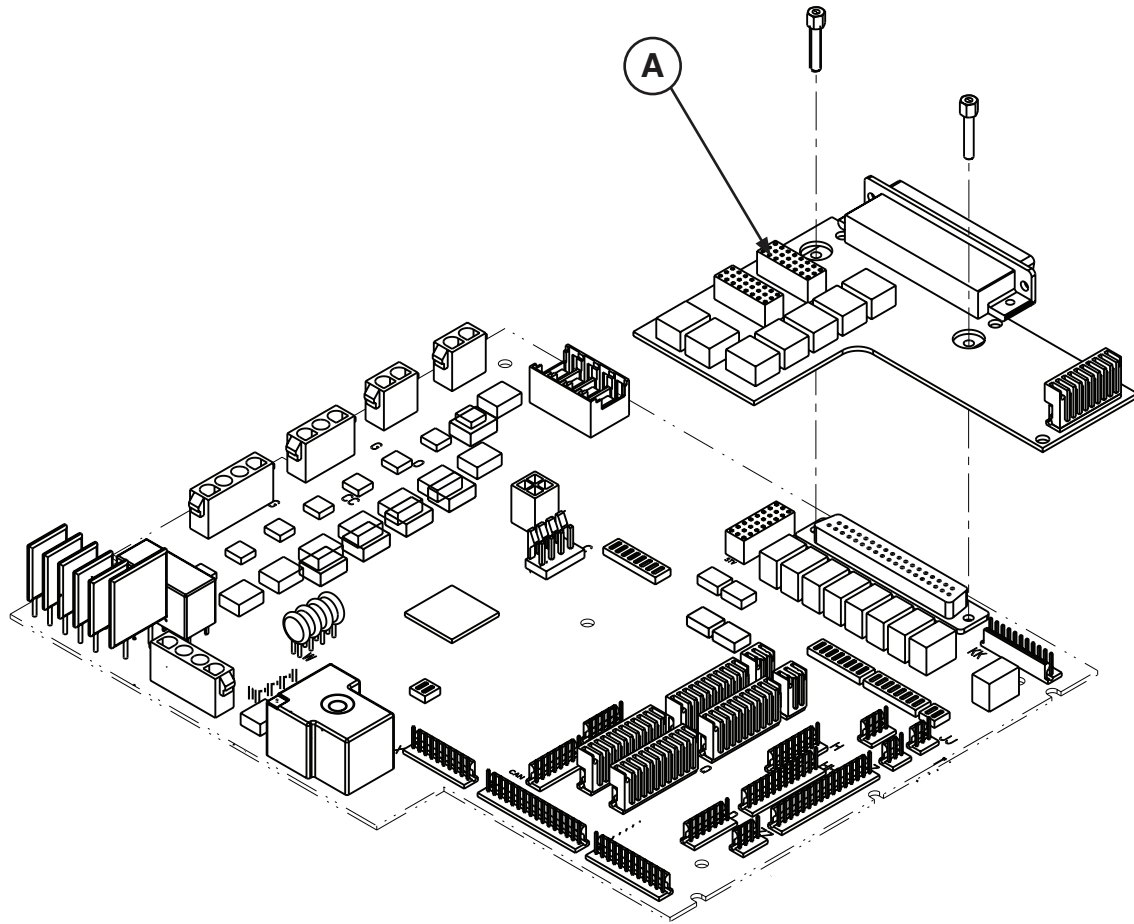
Note - These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

^aField strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the 3005 S3 MedSurg bed is used exceeds the applicable RF compliance level above, the 3005 S3 MedSurg bed should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the 3005 S3 MedSurg bed.

^bOver the frequency range 150 kHz to 80 MHz, field strengths are less than 3 V/m.

3005-999-203

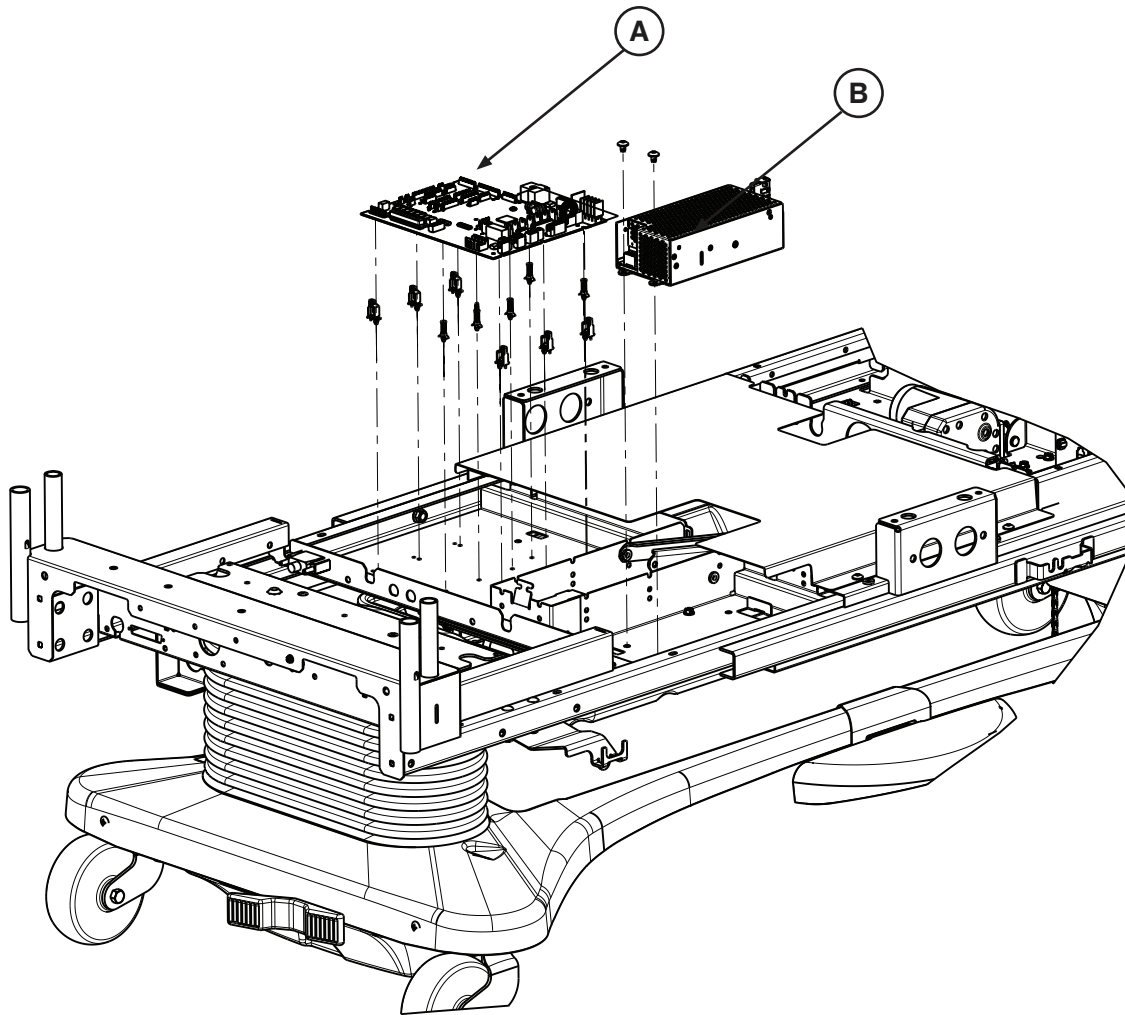
Rev B



A	3006-303-900	1
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3005-343-895

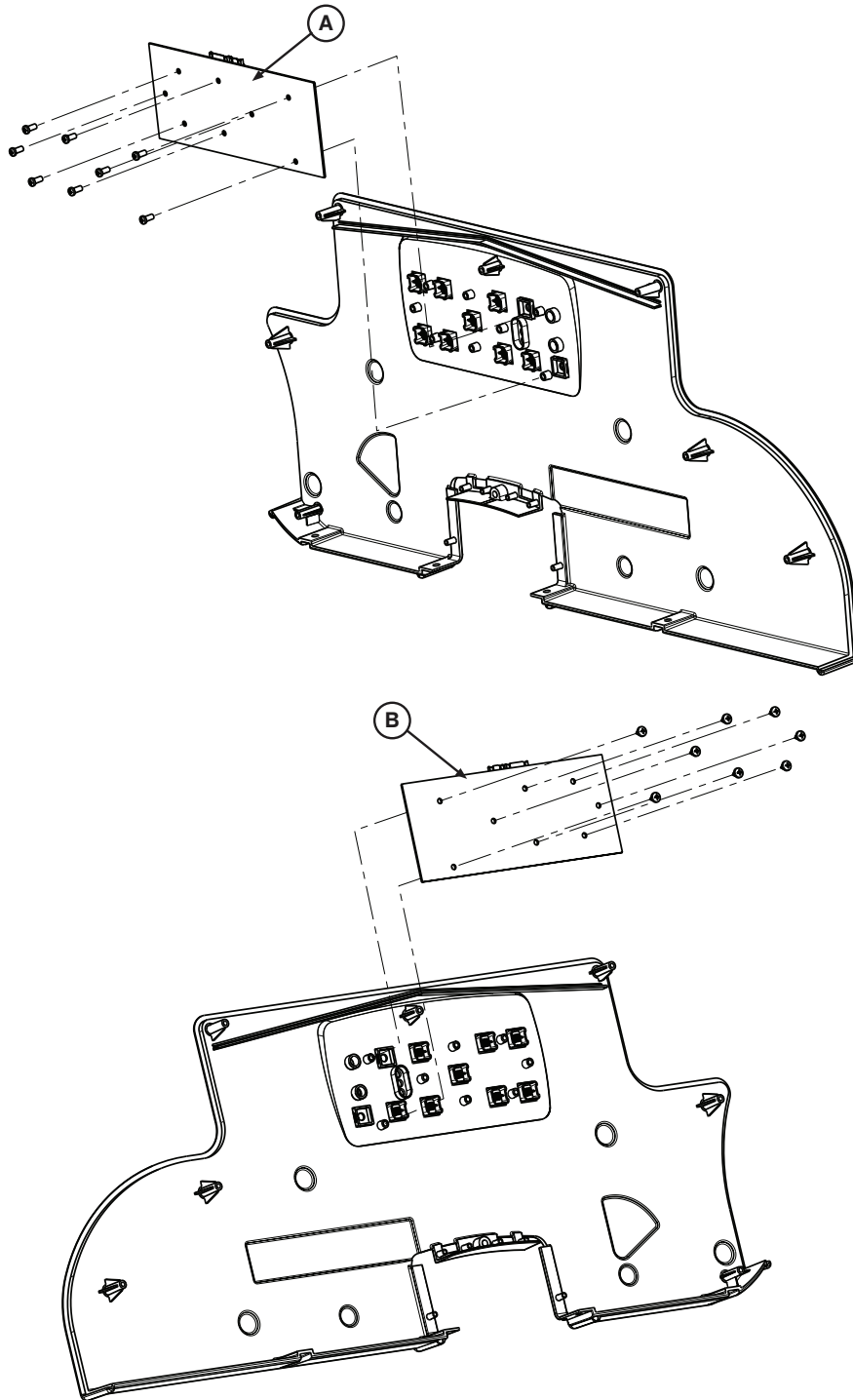
Rev AA



A	300505080900	1
B	3005-300-157	1

3006-400-125/3006-400-225

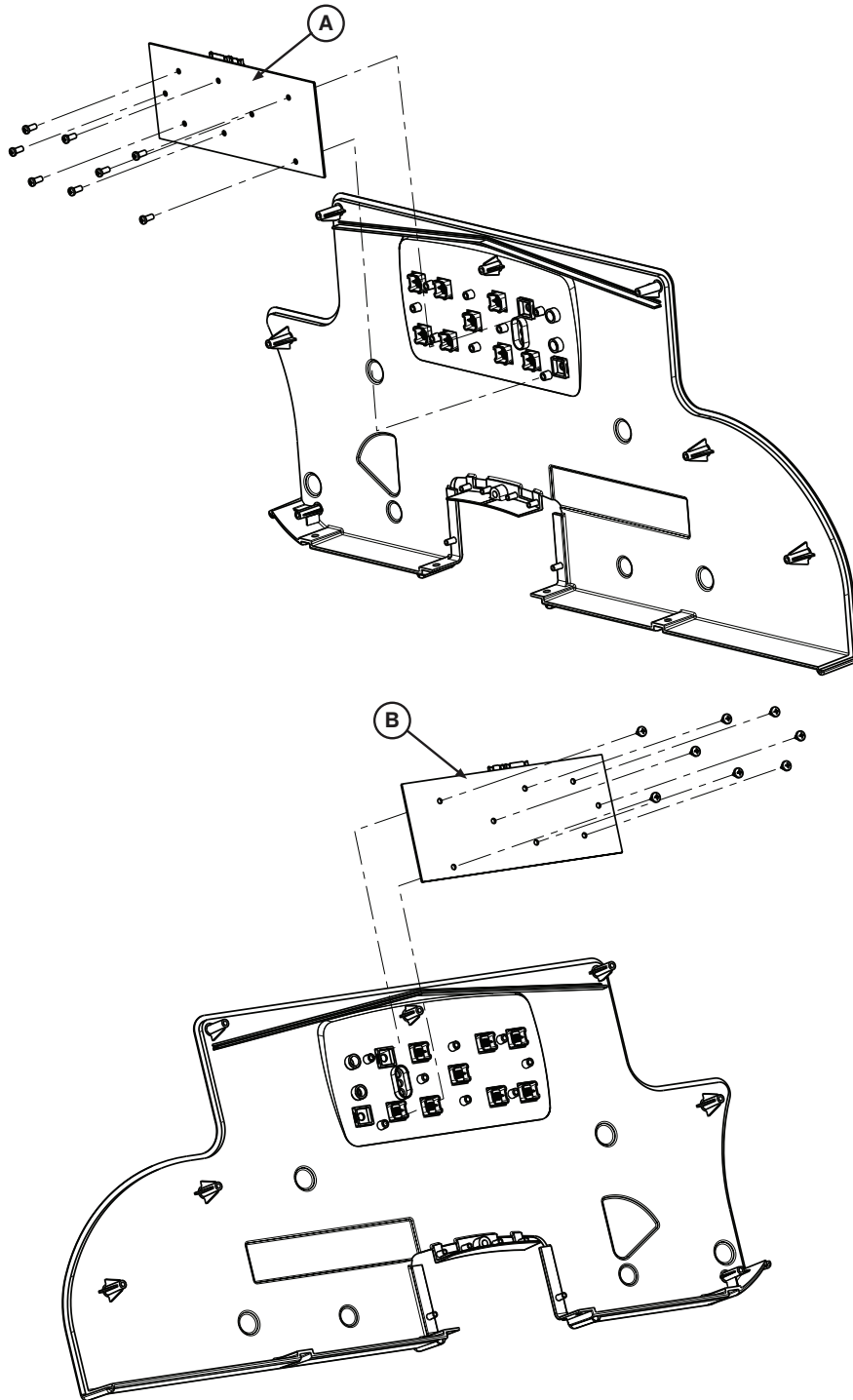
Rev D/Rev C



A	3006-400-920	1
B	3001-400-910	1

3006-400-130/3006-400-230

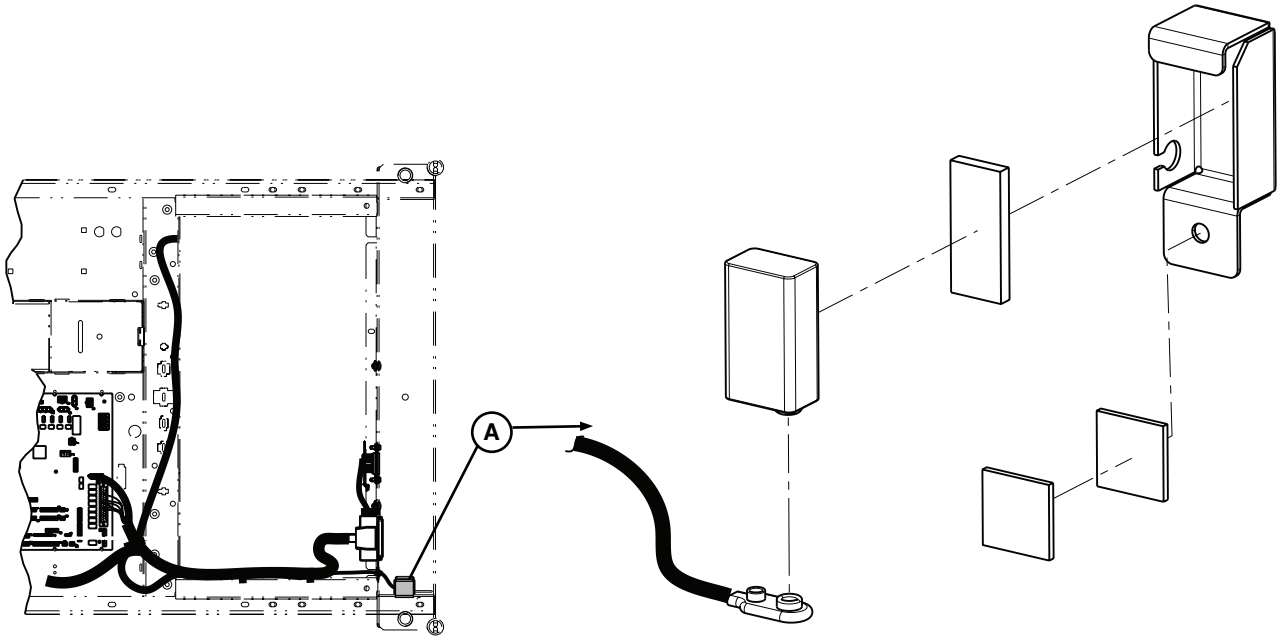
Rev C/Rev C



A	3006-400-930	1
B	3001-400-930	1

3006-303-045

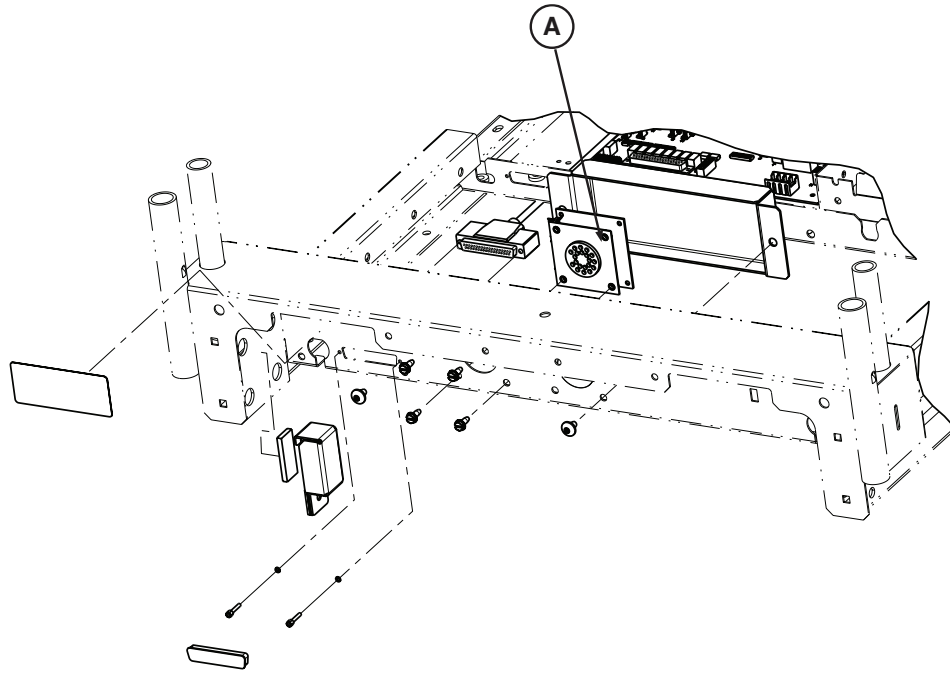
Rev A



A	3000-303-871	1
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3001-314-012

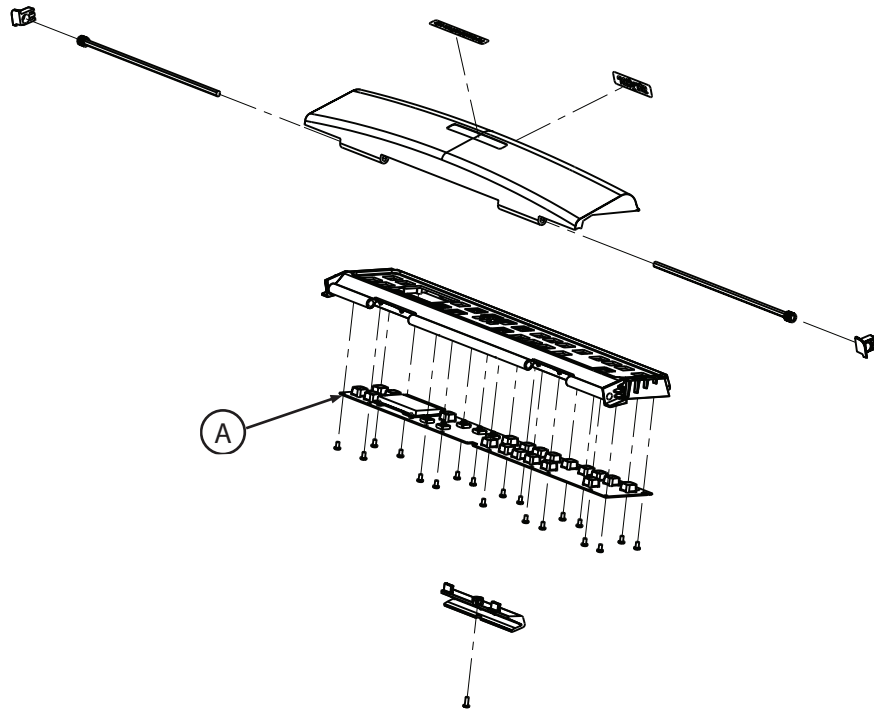
Rev A



A	3001-314-920	1
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3006-501-011

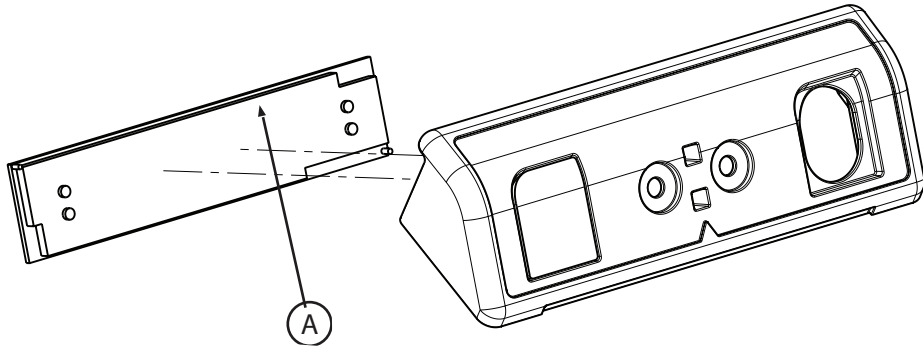
Rev A



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5212-300-053

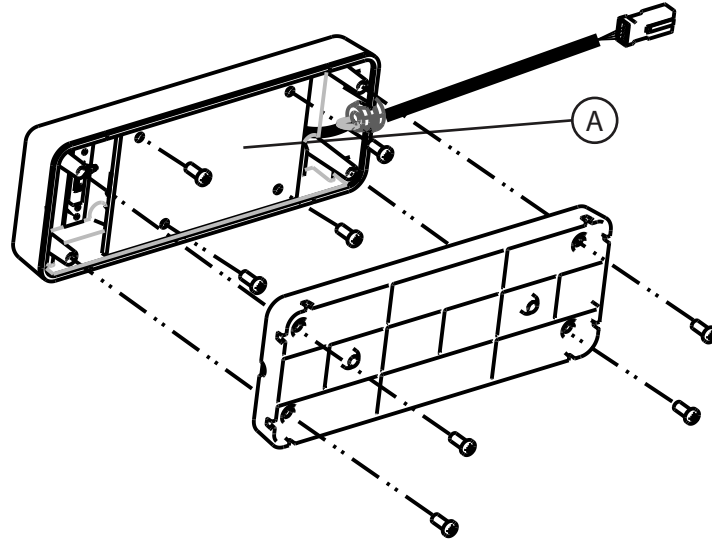
Rev D



A	5212-300-930	1
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5212-300-053

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A	5212-300-053	1
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