

MV3 Bariatric Bed

Maintenance Manual

REF 5900000001



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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

- Do not lower the litter too low or you may cause damage to the support bolts.
 - Portable RF communications equipment, including peripherals such as antenna cables and external antennas, should be no closer than 12 inches (30 cm) to any part of MV3, including cables specified by the manufacturer.
 - Avoid stacking or placing equipment adjacent with other equipment to prevent improper operation of the products. If such use is necessary, carefully observe stacked or adjacent equipment to make sure that they are operating properly.
 - The use of accessories, transducers, and cables, other than those specified or provided by the manufacturer, could result in increased electromagnetic emissions or decreased electromagnetic immunity and result in improper operation.
-

CAUTION

- Always make sure that the product is clear of obstacles before you use motion functions.
 - Always calibrate the product angles when you replace the main control board or any actuator or product damage may occur.
 - Always use electrostatic discharge (ESD) protective equipment before you open antistatic bags and service electronic parts.
 - Do not place unprotected circuit boards on the floor.
 - Always perform this procedure in a secure location with the floor jack secure to the base frame before you remove the caster to prevent the risk of injury.
 - Do not put your hands or feet below the caster when you remove or attach the caster to prevent the risk of injury.
 - Always use ESD protective equipment before you open antistatic bags and service electronic parts.
 - Always leave the bolts loose in the support holes, so the bolt head is out far enough to stop the lift mechanism slide block.
-

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 5900 MV3 bariatric bed has an eight year expected service life under normal use conditions and with appropriate periodic maintenance.

The backup batteries have a one 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

Note - The user and/or the patient should report any serious product-related incident to both the manufacturer and the Competent authority of the European Member State where the user and/or patient is established.

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) below the headboard at the head of the bed (Figure 1).

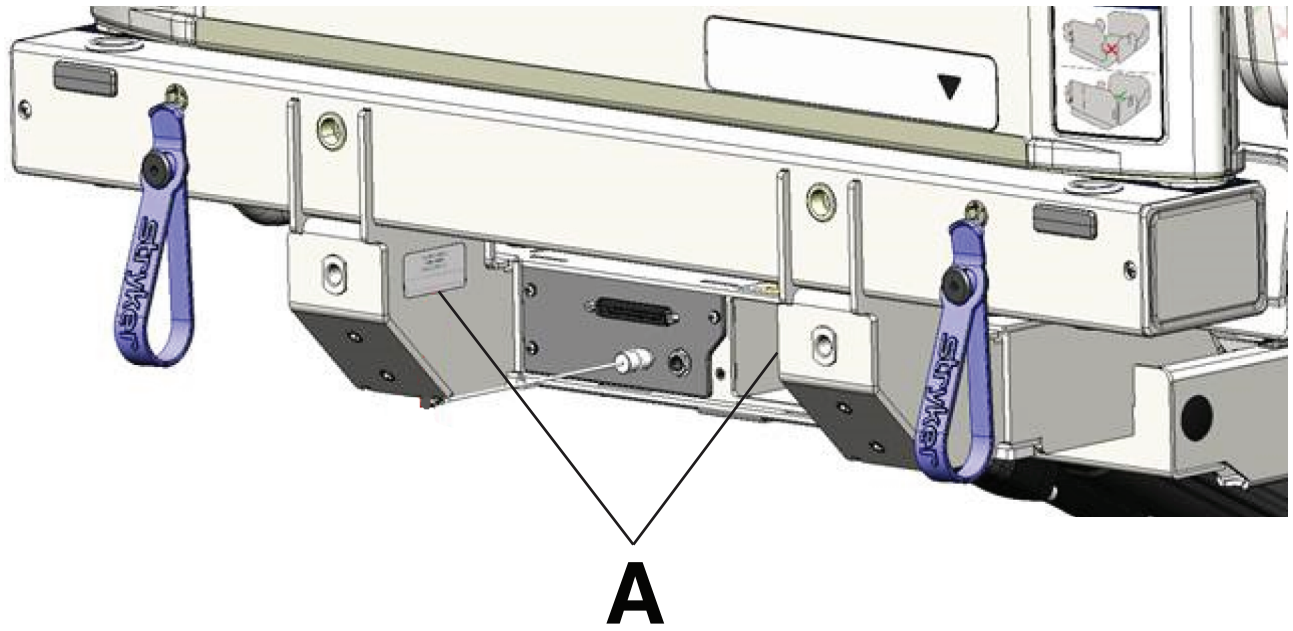


Figure 1 – Serial number location-operator view

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 welds
- _____ All fasteners are secure
- _____ Casters lock with brake pedal applied
- _____ Casters are secure and swivel
- _____ Casters are free of wax and debris
- _____ Footboard light LED and bumper LEDs flash when brakes are released
- _____ Steer function works
- _____ Siderails move, latch, and stow
- _____ Deck expands, retracts, and locks in all positions
- _____ CPR release operates
- _____ IV pole is intact and operates (option)
- _____ 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 operate (includes LEDs)
- _____ All functions on footboard operate (includes LEDs)
- _____ No cracks or damage to control overlays
- _____ Calibrate scale system
- _____ Night light operates
- _____ Power cords and plug not frayed or damaged
- _____ No damage to nurse call connections
- _____ All ground strap cables are secure to the frame
- _____ Ground impedance not more than 200 m Ω (milliohms)
- _____ Current leakage not more than 300 μ A (microamps)
- _____ Check lift actuator clevis pins for grease, apply if needed
- _____ Ground chains intact
- _____ Trendelenburg/reverse Trendelenburg angle accuracy is minimum +12° to -12°
- _____ Fowler angle accuracy is 0° - 60° \pm 2°
- _____ Fowler holds position at 30° with weight
- _____ Siderail switches operate (iBed Awareness)
- _____ Footboard light LED and bumper LEDs operate (iBed Awareness)
- _____ Inspect footboard control labels for signs of degradation
- _____ Inspect hi-lo actuators for oil leaks
- _____ Inspect footboard connector housing for cracks or damage
- _____ All motions function

____ Nurse call functions

____ Auxiliary outlets function (test ground fault interrupter)

____ Replace battery assembly (5900280025) (one year expected service life)

____ Set clock to local date and time

| |
|------------------------|
| Product serial number: |
| Completed by: |
| Date: |

Error codes/Troubleshooting

Error codes are detailed in the table below.

| Error code | Cause | Troubleshooting |
|------------|--|--|
| 0.02 | Error on non volatile memory (nvm) | <ol style="list-style-type: none"> 1. Reboot product 2. Replace main control unit (MCU) |
| 0.03 | Watchdog switch in wrong position or broken (comWatchdogDisabled) | <ol style="list-style-type: none"> 1. Toggle watchdog switch on MCU |
| 0.04 | Software version mismatched or missing board (softwareVersionMismatch) | <ol style="list-style-type: none"> 1. Reboot product 2. Check for a missing board error, if missing take corrective action on cable or board |
| 0.05 | Brake switch malfunction (brake) | <ol style="list-style-type: none"> 1. Check brake cable and switch |
| 0.06 | Obstruction switch malfunction (obstruction) | <ol style="list-style-type: none"> 1. Check each of the four obstruction switches and cables |
| 0.07 | CPR switch/cable malfunction (cprHandle) | <ol style="list-style-type: none"> 1. Check CPR switch, cable, and head actuator |
| 0.08 | FSC_KPD board is not responding (FSC_KPD_missing) | <ol style="list-style-type: none"> 1. Check cable 2. Check audio visual board (AVB) (electrical issue) |
| 0.09 | FSC_GUI board is not responding (FSC_GUI_missing) | <ol style="list-style-type: none"> 1. Check cable 2. Check FSC_KPD <ul style="list-style-type: none"> • Software in bootloader mode • Software incorrect • Electrical issue 3. AVB (electrical issue) |
| 0.10 | SRK PL board is not responding (SRK_PL_missing) | <ol style="list-style-type: none"> 1. Check cables 2. Check junction boards 3. Check SRK board 4. Check SRC (software and electrical) |
| 0.11 | SRK PR board is not responding (SRK_PR_missing) | <ol style="list-style-type: none"> 1. Check cables 2. Check junction boards 3. Check SRK board 4. Check SRC (software and electrical) |
| 0.12 | PSI board is not responding (PSI_missing) | <ol style="list-style-type: none"> 1. Check cables 2. Check junction boards |

| Error code | Cause | Troubleshooting |
|------------|---|---|
| 0.13 | ACB HILO foot board is not responding (ACB_HILO_FT_missing) | 1. Check cables 2. Check junction boards |
| 0.14 | ACB HILO head board is not responding (ACB_HILO_HD_missing) | 1. Check cables 2. Check junction boards |
| 0.15 | ACB foot board is not responding (ACB_FT_missing) | 1. Check cables 2. Check junction boards |
| 0.16 | ACB head board is not responding (ACB_HD_missing) | 1. Check cables 2. Check junction boards |
| 0.17 | ACB knee board is not responding (ACB_KN_missing) | 1. Check cables 2. Check junction boards |
| 0.18 | SRC foot patient left board is not responding (SRC_FT_PL_missing) | 1. Check cables 2. Check junction boards |
| 0.19 | SRC head patient left board is not responding (SRC_HD_PL_missing) | 1. Check cables 2. Check junction boards |
| 0.20 | SRC foot patient right board is not responding (SRC_FT_PR_missing) | 1. Check cables 2. Check junction boards |
| 0.21 | SRC head patient right board is not responding (SRC_HD_PR_missing) | 1. Check cables 2. Check junction boards |
| 0.22 | DPM foot board is not responding (DPM_FT_missing) | 1. Check cables 2. Check junction boards |
| 0.23 | DPM head board is not responding (DPM_HD_missing) | 1. Check cables 2. Check junction boards |
| 0.24 | DPM MID board is not responding (DPM_MID_missing) | 1. Check cables 2. Check junction boards |
| 0.25 | SMB foot board is not responding (SMB_FOOT_missing) | 1. Check cables 2. Check junction boards |
| 0.26 | SMB head board is not responding (SMB_HEAD_missing) | 1. Check cables 2. Check junction boards |

| Error code | Cause | Troubleshooting |
|------------|---|---|
| 0.27 | AVB board is not responding (AVB_missing) | <ol style="list-style-type: none"> 1. Check cables 2. Check junction boards |
| 0.29 | Real Time Clock is not responding (RTC chip fail) | <ol style="list-style-type: none"> 1. Reboot product 2. Replace MCU, if 0.02 is present, also issue with PMB charger chip 3. Replace PMB |
| 0.30 | CPR handle switch stuck (StuckCPRhandle) | <ol style="list-style-type: none"> 1. Check CPR handle 2. Check pull cable 3. Check head actuator |
| 1.05 | 24V is out of range (24V) | <ol style="list-style-type: none"> 1. Power cable issue 2. PMB circuit error, replace PMB |
| 1.08 | Battery not connected to the system or completely depleted (batteryMissing) | <ol style="list-style-type: none"> 1. Check cables 2. Replace battery |
| 1.09 | Damaged battery (batteryShort) | <ol style="list-style-type: none"> 1. Replace batteries |
| 1.10 | Unable to communicate with accelerometer (Accelerometer error) | <ol style="list-style-type: none"> 1. Reboot product 2. Replace MCU, if 0.02 is present, also issue with PMB charger chip 3. Replace PMB |
| 1.11 | HILO foot configuration error (HiloFoot config) | <ol style="list-style-type: none"> 1. WD switch position 2. Reboot product |
| 1.12 | HILO foot drive circuit error (HiloFoot Drive ckt) | <ol style="list-style-type: none"> 1. Check 24V cable to actuator control board (ACB) 2. Disconnect actuator from ACB 3. Replace ACB |
| 1.13 | HILO head configuration error (HiLo Head config) | <ol style="list-style-type: none"> 1. WD switch position 2. Reboot product 3. Check HILO head potentiometer cable (30159) 4. Check HILO head counts in actuator maintenance menu 5. Check HILO head counts in angle maintenance menu <ul style="list-style-type: none"> • Check if counts are between 1024-1033 or not moving 6. Check HILO foot potentiometer cable (30124) 7. Recalibrate angles |

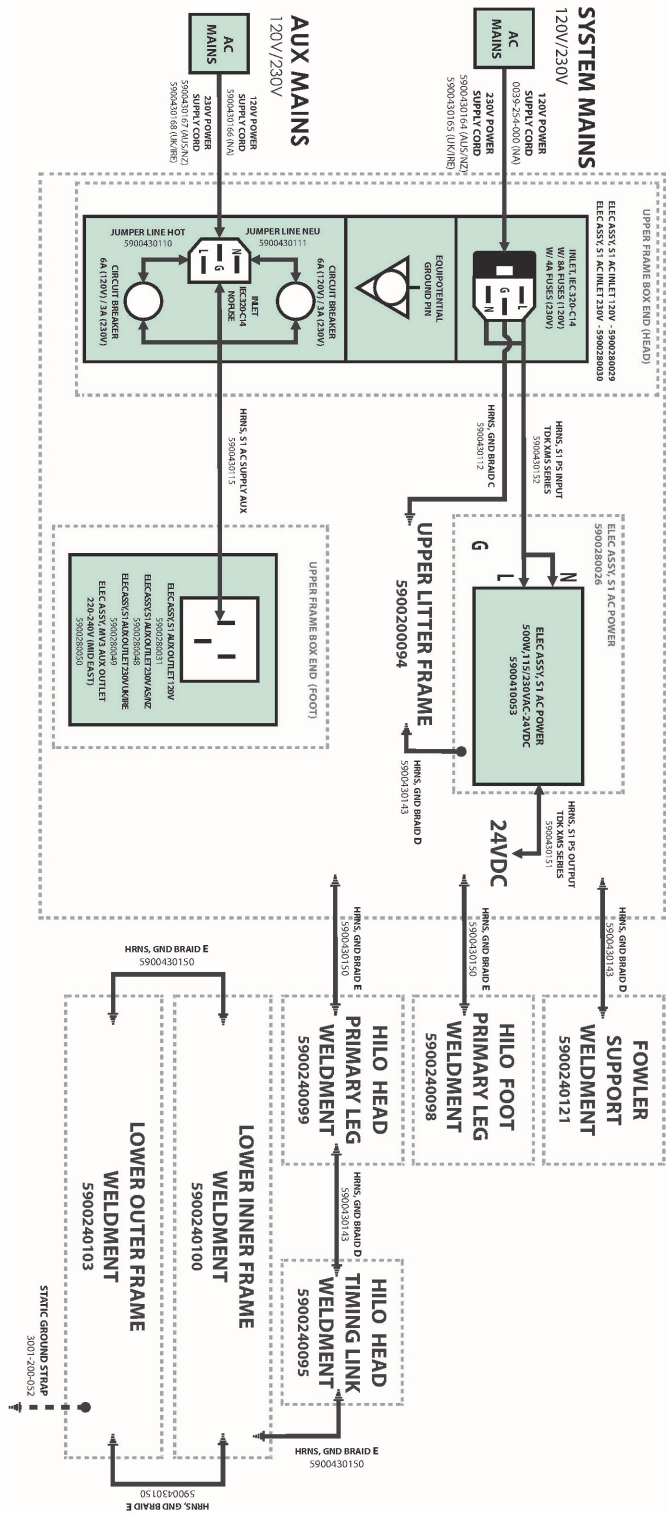
| Error code | Cause | Troubleshooting |
|------------|---|--|
| 1.14 | HILO head drive circuit error (HiLo Head Drive Ckt) | <ol style="list-style-type: none"> 1. Check 24V cable to ACB 2. Disconnect actuator from ACB 3. Replace ACB |
| 1.15 | Foot actuator configuration error (Foot config) | <ol style="list-style-type: none"> 1. WD switch position 2. Recalibrate angles 3. Reboot product 4. Check foot counts in angle maintenance menu <ul style="list-style-type: none"> • Check if foot counts are stored between power cycles • If they are not stored, EEPROM error 5. Replace board |
| 1.16 | Foot drive circuit malfunction (Foot Drive ckt) | <ol style="list-style-type: none"> 1. Check 24V cable to ACB 2. Disconnect actuator from ACB 3. Replace ACB |
| 1.17 | Head actuator configuration error (Head config) | <ol style="list-style-type: none"> 1. WD switch position 2. Reboot product 3. Check head potentiometer cable (30141) 4. Check head counts in actuator maintenance menu |
| 1.18 | Head drive circuit malfunction (Head Drive ckt) | <ol style="list-style-type: none"> 1. Check 24V cable to ACB 2. Disconnect actuator from ACB 3. Replace ACB |
| 1.19 | Knee actuator configuration error (Knee config) | <ol style="list-style-type: none"> 1. WD switch position 2. Reboot product 3. Check knee counts in actuator maintenance menu <ul style="list-style-type: none"> • Check if knee counts are stored between power cycles • If they are not stored, EEPROM error • Replace board • Recalibrate angles 4. Check HILO foot counts in actuator maintenance menu <ul style="list-style-type: none"> • Check if counts are between 1024-1033 or not moving 5. Check HILO foot potentiometer cable (30124) 6. Recalibrate angles |

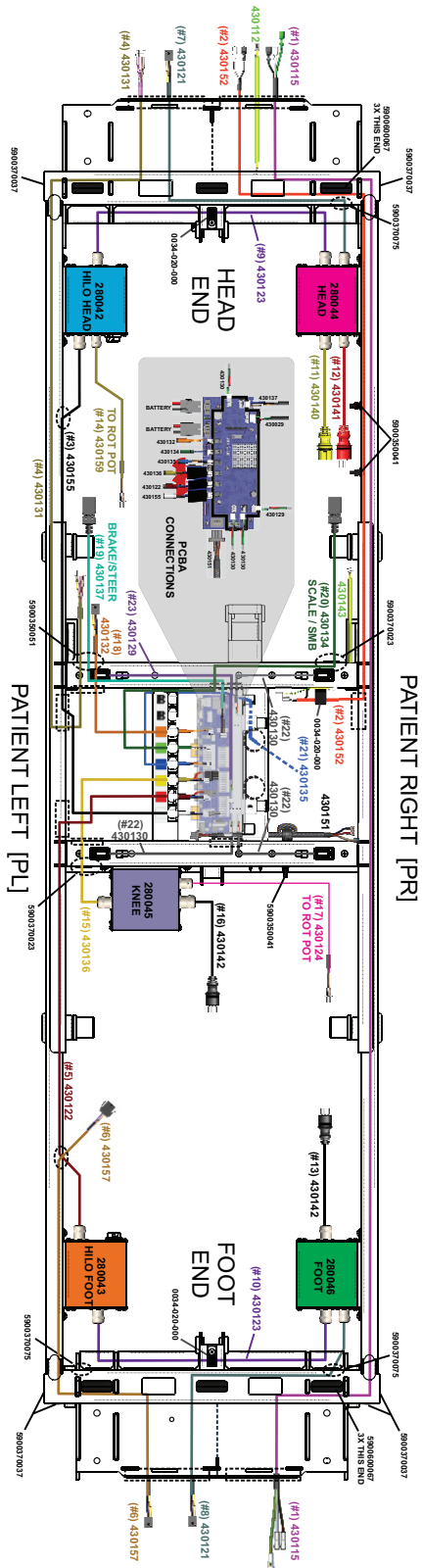
| Error code | Cause | Troubleshooting |
|------------|--|--|
| 1.20 | Knee drive circuit malfunction (Knee Drive ckt) | <ol style="list-style-type: none"> 1. Check 24V cable to ACB 2. Disconnect actuator from ACB 3. Replace ACB |
| 1.21 | PSI configuration error (PSI config) | <ol style="list-style-type: none"> 1. Replace switch if this appears only in some positions 2. WD switch position |
| 1.22 | Patient left foot SRC configuration error (SRC PL Foot config) | <ol style="list-style-type: none"> 1. Replace switch if this appears only in some positions 2. WD switch position |
| 1.23 | Patient left head SRC configuration error (SRC PL Head config) | <ol style="list-style-type: none"> 1. Replace switch if this appears only in some positions 2. WD switch position |
| 1.24 | Patient right foot SRC configuration error (SRC PR Foot config) | <ol style="list-style-type: none"> 1. Replace switch if this appears only in some positions 2. WD switch position |
| 1.25 | Patient right foot SRC configuration error (SRC PR Head config) | <ol style="list-style-type: none"> 1. Replace switch if this appears only in some positions 2. WD switch position |
| 1.26 | DPM foot configuration error (DPM FT config) | <ol style="list-style-type: none"> 1. Calibration error 2. Trim error <ul style="list-style-type: none"> • If values from DPM maintenance screen are at 36 and less than 600, this error bit is set 3. WD switch position |
| 1.27 | DPM head configuration error (DPM HD config) | <ol style="list-style-type: none"> 1. Calibration error 2. Trim error <ul style="list-style-type: none"> • If values from DPM maintenance screen are at 36 and less than 600, this error bit is set 3. WD switch position |
| 1.28 | DPM MID configuration error (DPM MID Config) | <ol style="list-style-type: none"> 1. Calibration error 2. Trim error <ul style="list-style-type: none"> • If values from DPM maintenance screen are at 36 and less than 600, this error bit is set 3. WD switch position |

| Error code | Cause | Troubleshooting |
|------------|--|--|
| 1.29 | SMB head configuration error (SMB Head Config) | <ol style="list-style-type: none"> 1. Load cell missing 2. EEPROM error on board 3. Secondary scale missing (also will set 0.25) 4. WD switch position |
| 1.30 | SMB foot configuration error (SMB Foot Config) | <ol style="list-style-type: none"> 1. Load cell missing 2. EEPROM error on board 3. Secondary scale missing (also will set 0.25) 4. WD switch position |
| 1.31 | AVB configuration error (AVB Foot Config) | <ol style="list-style-type: none"> 1. WD switch position |

| Problem | Solution |
|--------------------|--|
| No power | <ol style="list-style-type: none"> 1. Check product power cord for connection at wall outlet and power inlet at head of the bed 2. Check the two fuses in the power inlet for continuity <ol style="list-style-type: none"> 2.1. If fuses are intact, move to step 3 2.2. If fuse(s) are blown, replace and check for product power 3. Check for proper mains voltage at the power supply <ol style="list-style-type: none"> 3.1. If present, move to step 4 3.2. If absent, check power inlet and cabling to the power supply 4. Check for 24VDC out at the power supply <ol style="list-style-type: none"> 4.1. If present, move to step 5 4.2. If absent, replace the power supply 5. Check for 24VDC in at the main control unit (MCU) <ol style="list-style-type: none"> 5.1. If present, move to step 6 5.2. If absent, check cabling from the power supply to the MCU 6. Check for power LEDs on the MCU <ol style="list-style-type: none"> 6.1. If present, product should function 6.2. If absent, replace the MCU |
| No Fowler movement | <ol style="list-style-type: none"> 1. Check for stuck manual CPR mechanism 2. Check Fowler actuator cables and connections 3. Check for forced motion through <i>Actuator maintenance</i> (page 22) <ol style="list-style-type: none"> 3.1. If present, recalibrate the limits 3.2. If absent, move to step 3 4. Check for power LEDs on the Fowler actuator control board (ACB) <ol style="list-style-type: none"> 4.1. If present: <ol style="list-style-type: none"> 4.1.1. Check for 24VDC when you press the function button 4.1.2. Move to step 4 4.2. If absent, check cabling from the MCU to the ACB 5. Replace the actuator |

| Problem | Solution |
|------------------------------|--|
| No knee Gatch movement | <ol style="list-style-type: none"> 1. Check knee Gatch actuator cables and connections 2. Check for forced motion through <i>Actuator maintenance</i> (page 22) <ol style="list-style-type: none"> 2.1. If present, recalibrate the limits 2.2. If absent, move to step 3 3. Check for power LEDs on the knee Gatch ACB <ol style="list-style-type: none"> 3.1. If present: <ol style="list-style-type: none"> 3.1.1. Check for 24VDC when you press the function button 3.1.2. Move to step 4 3.2. If absent, check cabling from the MCU to the ACB 4. Replace the actuator |
| No foot movement | <ol style="list-style-type: none"> 1. Check foot actuator cables and connections 2. Check for forced motion through <i>Actuator maintenance</i> (page 22) <ol style="list-style-type: none"> 2.1. If present, recalibrate the limits 2.2. If absent, move to step 3 3. Check for power LEDs on the foot ACB <ol style="list-style-type: none"> 3.1. If present: <ol style="list-style-type: none"> 3.1.1. Check for 24VDC when you press the function button 3.1.2. Move to step 4 3.2. If absent, check cabling from the MCU to the ACB 4. Replace the actuator |
| No lift (head/foot) movement | <ol style="list-style-type: none"> 1. Check the motion interrupt pan (only for no downward motion) 2. Check lift actuator cables and connections 3. Check for forced motion through <i>Actuator maintenance</i> (page 22) <ol style="list-style-type: none"> 3.1. If present, recalibrate the limits 3.2. If absent, move to step 3 4. Check for power LEDs on the lift ACB <ol style="list-style-type: none"> 4.1. If present: <ol style="list-style-type: none"> 4.1.1. Check for 24VDC when you press the function button 4.1.2. Move to step 5 4.2. If absent, check cabling from the MCU to the ACB 5. Replace the actuator |





Policy settings

Policy settings provides access to the hospital or ward settings.

To access the policy settings from the home screen:

1. On the footboard control panel, press **Enter** to access the **Settings** menu.
2. Highlight **Policy settings** and press **Enter**.
3. Use the up and down arrow buttons to highlight each number.
4. Press **Enter** to increase the number.

Note - The number will increase to 9 until it resets to 0.

5. The policy settings code is as follows: 7, 6, 5
6. Highlight **Proceed** and press **Enter** to access the policy settings.

Maintenance menu

The maintenance menu provides access to the following settings:

- Language
- Zone of operation
- Actuator maintenance
- Scale maintenance
- Angle maintenance
- Width maintenance
- Patient station
- Maintenance log
- Clear maintenance log
- Test modes
- Battery maintenance
- 230V bed configuration

To access the maintenance menu from the home screen:

1. On the footboard control panel, press **Enter** to access the **Settings** menu.
2. Highlight **Maintenance** and press **Enter**.
3. Use the up and down arrow buttons to highlight each number.
4. Press **Enter** to increase the number.

Note - The number will increase to 9 until it resets to 0.

5. The maintenance code is as follows: 2, 4, 6
6. Highlight **Proceed** and press **Enter** to access the maintenance menu.

Language

To change the display language:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Language** and press **Enter**.
3. Highlight the desired language and press **Enter**.

Actuator maintenance

CAUTION - Always make sure that the product is clear of obstacles before you use motion functions.

Actuator maintenance allows you to bypass the set limits of the product actuators for testing and troubleshooting.

To access actuator maintenance:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Actuator maint.** and press **Enter**.
3. In actuator maintenance you will see the following options:
 - Both hilos up
 - Both hilos down
 - Hilo foot up

- Hilo foot down
 - Hilo head up
 - Hilo head down
 - Foot up
 - Foot down
 - Head up
 - Head down
 - Knee up
 - Knee down
4. Use the up and down arrow buttons to highlight a movement and press and hold **Enter** to move the actuator.

Scale maintenance

Scale maintenance provides access to the following:

- Gross weight
- Net weight
- Center of gravity
- Load cells foot end
- Load cells head end
- Enable NAWI Scale
- Zone of operation
- Calibrate scale

To access scale maintenance:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Scale maint.** and press **Enter**.
3. Use the up and down arrow buttons to highlight each number.
4. Press **Enter** to increase the number.

Note - The number will increase to 9 until it resets to 0.

5. The scale maintenance code is as follows:
 - Non-NAWI: 4, 3, 2
 - NAWI: Access is restricted to authorized personnel, contact Stryker technical support for more information (*Contact information* (page 5)).
6. Highlight **Proceed** and press **Enter** to access scale maintenance.

Enable NAWI Scale

Note

- NAWI mode is not valid for beds in North America.
- When NAWI is enabled, the scale system must go through verification of conformity. This must be done by Stryker or another certified body before returning the product to service.

To enable NAWI scale:

1. Enter the *Maintenance menu* (page 22).
2. Enter *Scale maintenance* (page 23).

3. Highlight **Enable NAWI Scale** and press **Enter**.
4. Calibrate the scale system, see *Calibrate scale* (page 24).

Note - You must calibrate the scale system when you enable NAWI scale.

Zone of operation

Note - The default zone of operation is zone 7.

To check your current zone of operation, see *Maintenance menu* (page 22).

To change the zone of operation:

1. Enter the *Maintenance menu* (page 22).
2. Enter *Scale maintenance* (page 23).
3. Highlight **Zone of operation** and press **Enter** to change the zone of operation.

Note - The number will increase to 10 until it resets to 1.

| Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
|---|--|-----------------------------|---|--------------------------------|
| 9.776-9.784 9.78 | 9.785-9.794 9.788 | 9.795-9.802 9.798 | 9.803-9.809 9.806 | 9.81-9.813 9.812 |
| Bolivia Columbia Indonesia Philippines Thailand | Brazil Cuba Mexico Saudi Arabia Taiwan | Egypt India Kuwait | Argentina Australia China Cyprus South Africa | Greece Japan South Korea |

| Zone 6 | Zone 7 | Zone 8 | Zone 9 | Zone 10 |
|---|---|---------------------------------|---|--|
| 9.814-9.818 9.816 | 9.819-9.825 9.82 | 9.826-9.833 9.829 | 9.834-9.843 9.836 | 9.844-9.851 9.847 |
| Northern Ireland Portugal Republic of Ireland | Italy Macedonia Michigan, USA New Zealand Spain Turkey | Canada France Switzerland | Belgium England Germany Netherlands Scotland Wales | Denmark Finland Norway Russia Sweden |

Calibrate scale

Note

- Make sure that the product litter deck is flat and horizontal before you calibrate the scale.
- When NAWI is enabled, the scale system must go through verification of conformity. This must be done by Stryker or another certified body before returning the product to service.

Tools required:

- NAWI: 91 kg calibrated weight

- Non-NAWI: 200 lb calibrated weight

Procedure:

1. Raise the product to the highest height position.
2. Enter the *Maintenance menu* (page 22).
3. Enter *Scale maintenance* (page 23).
4. Highlight **Calibrate scale** and press **Enter**.
5. Remove all weight from the product and press **Enter**.

Note - All weight includes the mattress, headboard, footboard, and accessories.

6. Place the calibrated weight at the head left outer corner and press **Enter**.

Note

- Do not touch the product during calibration.
- Make sure that the product is not against a wall during calibration.

7. Place the calibrated weight at the foot left outer corner and press **Enter**.
8. Place the calibrated weight at the foot right outer corner and press **Enter**.
9. Place the calibrated weight at the head right outer corner and press **Enter**.
10. The product screen displays **Complete** and sends you to the scale maintenance menu when calibration is complete.

Angle maintenance

Angle maintenance provides access to the following:

- Foot hilo angle (counts)
- Head hilo angle (counts)
- Foot act position (counts)
- Head act position (counts)
- Knee act position (counts)
- Inclinator
- Calibrate angles

To access angle maintenance:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Angle maint.** and press **Enter**.

Calibrate angles

CAUTION

- Always calibrate the product angles when you replace the main control board or any actuator or product damage may occur.
 - Always make sure that the product is clear of obstacles before you use motion functions.
-

Note

- Make sure that the product is on a level floor before you calibrate the angles.
- Make sure that the product litter deck is flat and horizontal before you calibrate the angles.

Calibrate angles allows you to set the motion limits for the product actuators.

To calibrate the angles:

1. Enter the *Maintenance menu* (page 22).
2. Enter *Angle maintenance* (page 25).
3. Highlight **Calibrate angles** and press **Enter**.
4. Raise the product to high height and press **Enter**.
5. Lower the product to low height and press **Enter**.
6. Lower the product knee and foot actuators and press **Enter**.
7. The product screen displays **Complete** and sends you to the angle maintenance menu when calibration is complete.

Width maintenance

Width maintenance provides access to the following:

- Head State
- Mid State
- Foot State
- Head raw position
- Mid raw position
- Foot raw position
- Calibrate deck widths
- Trim Foot
- Trim Mid
- Trim Head

To access width maintenance:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Width maint.** and press **Enter**.

Calibrate deck widths

Note

- Make sure that all siderails are in the full down position when you perform this procedure.
- For this procedure, the term manipulate refers to a back and forth, and side to side motion.

To calibrate the deck widths

1. Enter the *Maintenance menu* (page 22).
2. Enter *Width maintenance* (page 26).
3. Highlight **Calibrate deck widths** and press **Enter**.
4. Put all decks to the 36" position and press **Enter**.
5. Manipulate each deck section on the patient left and right (head to foot) and press **Enter**.
6. Put all decks to the 42" position and press **Enter**.
7. Manipulate each deck section on the patient left and right (head to foot) and press **Enter**.
8. Put all decks to the 48" position and press **Enter**.
9. Manipulate each deck section on the patient left and right (head to foot) and press **Enter**.
10. The product screen displays **Complete** and sends you to the width maintenance menu when calibration is complete.

Patient station

The patient station menu allows the user to set the product to patient station interface.

Patient station provides access to the following settings:

- Priority call (bed exit) on alarm: a priority call (bed exit) will occur at the nursing station on bed exit alarm
- Nurse call on alarm: a nurse call will occur at the nursing station on bed exit alarm
- Priority call (bed exit) on iBed alert a priority call (bed exit) will occur at the nursing station on iBed alert
- Cord out relay closed: set the Cord Out Interlock relay (pins 10 and 11 of the 37 pin port)
- Audio transfer relay closed: set the Audio Transfer Interlock relay (pins 8 and 9 of the 37 pin port)
- Nurse call interlock relay close: set the Nurse Call Interlock relay (pins 7 and 25 of the 37 pin port)
- Select nurse call type: select normally open/closed nurse call

To access the patient station settings:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Patient station** and press **Enter**.

Test modes

The test mode menu provides access to the following settings:

- Lamp test: turns on all lamps, with either dim or bright backlight
- Siderail display: leaves the siderail angle display on continuously

To access test modes:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Test modes** and press **Enter**.

Battery maintenance

Battery maintenance provides access to the following:

- Charge state
- PMB Bus V
- PMB IIN
- IBAT
- Battery voltage

To access battery maintenance:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **Battery Maint.** and press **Enter**.

230V or 220V-240V bed configuration

When selected, the product will not switch to battery backup if the product is in motion. This option must be selected if the product is the 230V configuration.

To select 230V or 220V-240V bed configuration:

1. Enter the *Maintenance menu* (page 22).
2. Highlight **230V bed config** and press **Enter**.

Note - Select the 230V menu option for both 230V and 220V-240V bed options.

Service

Protecting against electrostatic discharge (ESD)

CAUTION

- Always use electrostatic discharge (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

Tools required:

- Ball peen hammer
- 3/16" roll pin punch

Procedure:

1. Push down on the brake pedal to apply the brake.
2. Using a hammer and punch, drive the roll pin (13) out of the pedal (6) to remove and discard the pedal (6) (Figure 2).
3. Reverse steps to reinstall.
4. Verify proper operation before you return the product to service.



Figure 2 – Brake pedal replacement

Caster replacement

CAUTION

- Always perform this procedure in a secure location with the floor jack secure to the base frame before you remove the caster to prevent the risk of injury.
- Do not put your hands or feet below the caster when you remove or attach the caster to prevent the risk of injury.

Tools required:

- #2 Phillips screwdriver
- Small flat head screwdriver
- 5 mm hex driver
- Torque wrench (in-lb)
- Small floor jack (rated for 900 lb or greater)

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Using a small flat head screwdriver, remove and save the four caster cover screw caps (5).
5. Using a #2 Phillips screwdriver, remove and save the four screws (7) that secure the caster cover (8) to the base frame. Remove and save the caster cover (8) (Figure 3).

Note - Set the brakes to the neutral position.

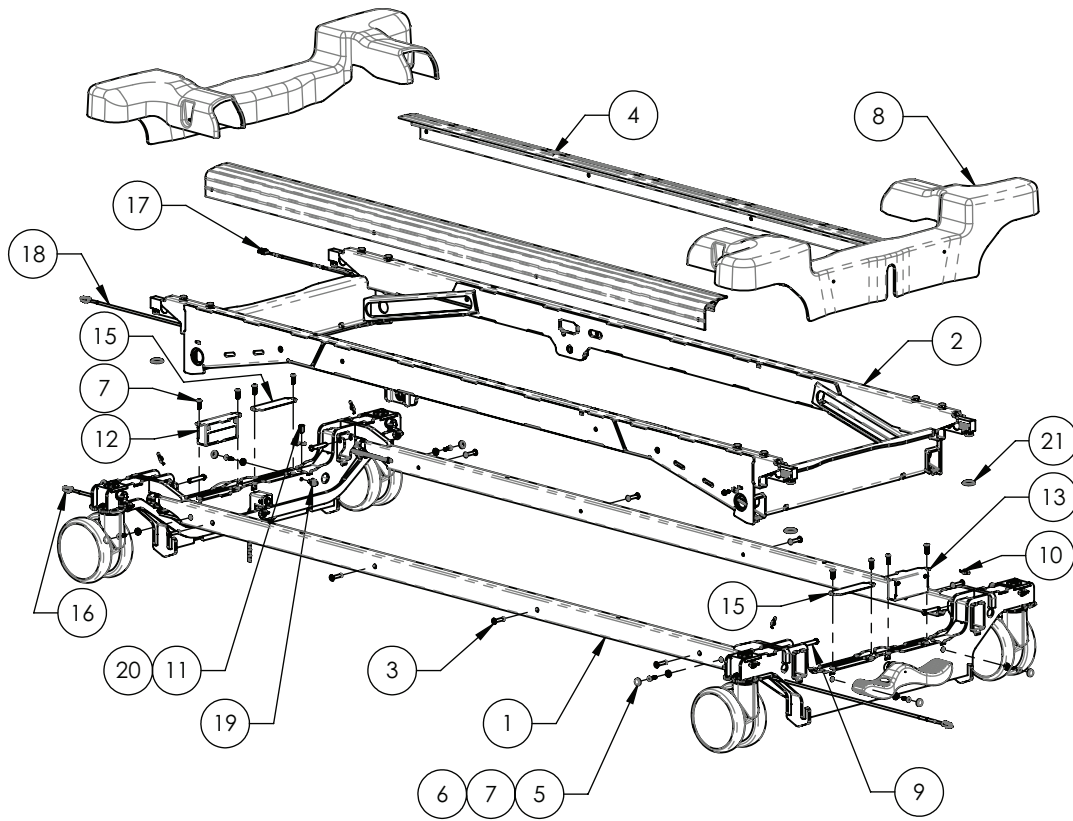


Figure 3 – Caster replacement

6. Using a small floor jack, raise the base frame high enough to remove the caster.

Note - Position the jack under the base frame closest to the caster you are removing.

7. Using a 5 mm hex driver, remove and save the caster screws (16), lock washers (14), and flat washers (29) (Figure 4). Remove and discard the caster.

Note - Make sure that you torque the screws (16) to 140-160 in-lb when you reinstall.

8. Reverse steps to reinstall.

Note - The caster stem has a red and green half (foot end) or a red and gray half (head end). Face the red half of the caster stem toward the foot end of the bed when you reinstall.

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

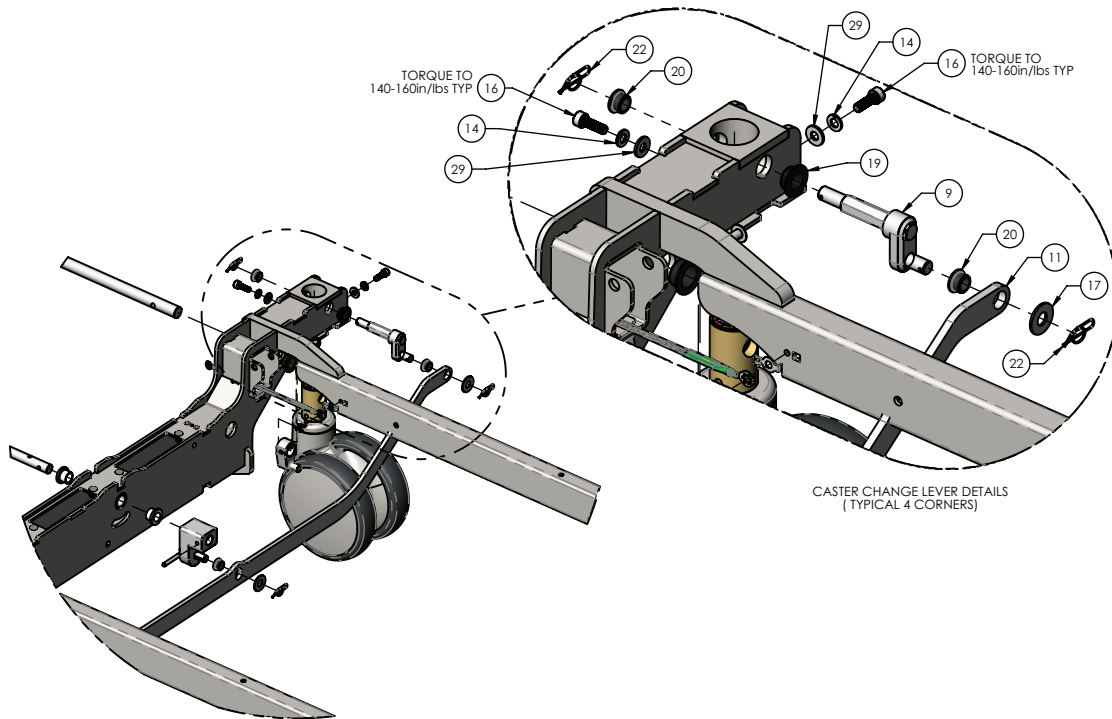


Figure 4 – Caster replacement

Power/accessory cord replacement

Tools required:

- #2 Phillips screwdriver

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Using a #2 Phillips screwdriver, remove the two screws that secure the power cord strain relief to the litter weldment.
6. Unplug the cord from the head end of the product.
7. Reverse steps to reinstall.

Note - Make sure that each cord is routed to the right with excess cord length ahead of the clamp (Figure 5).

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

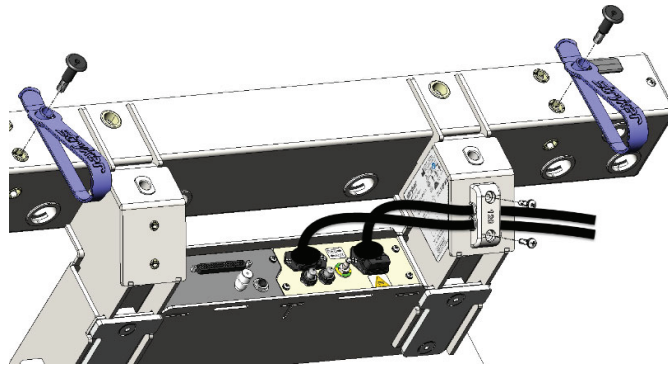


Figure 5 – Cord replacement

Fuse, main power replacement

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Unplug the power cord from the head end of the product.
6. Squeeze the fuse holder lock tab to unlock the fuse holder (5) (Figure 6).
7. Remove the fuse holder (5) and replace the needed fuse (12) (Figure 6).
8. Reverse steps to reinstall.
9. Verify proper operation before you return the product to service.

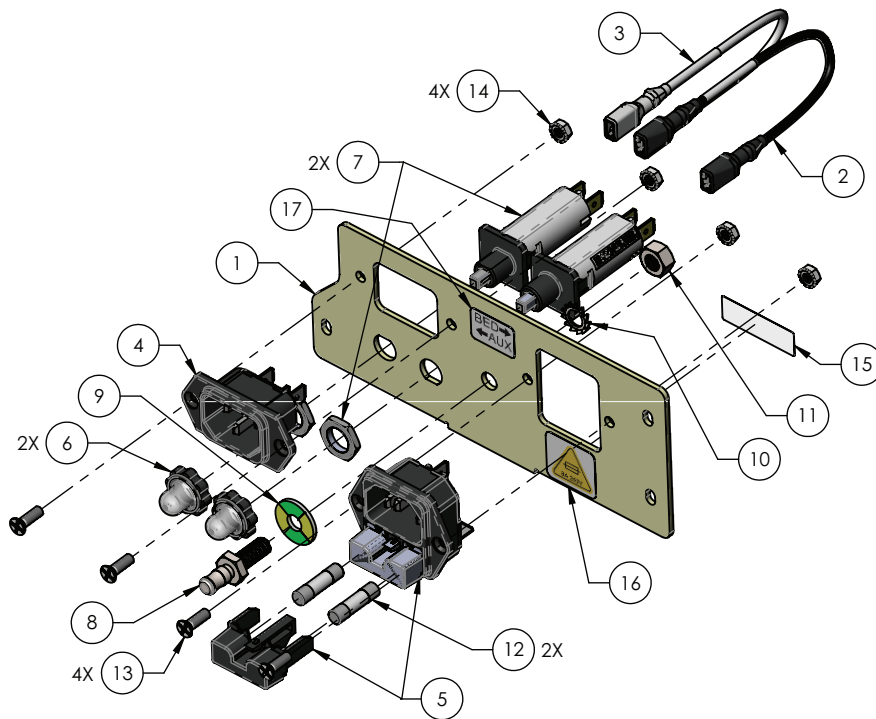


Figure 6 – Fuse replacement

Power inlet, main power/accessory replacement

Tools required:

- #2 Phillips screwdriver
- 5/16" nut driver

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Using a #2 Phillips screwdriver, remove and save the three screws (13) that secure the power inlet assembly (5) to the litter weldment and pull the assembly outward (Figure 7).
6. Grasp each of the three wires of the power inlet (5) while depressing the locking tab and pull straight out from the power inlet (Figure 7).
7. Using a #2 Phillips screwdriver and 5/16" nut driver, remove and save the two screws (13) that secure the power inlet (5) to the mounting plate (1). Remove and discard the power inlet (Figure 7).
8. Reverse steps to reinstall.
9. Verify proper operation before you return the product to service.

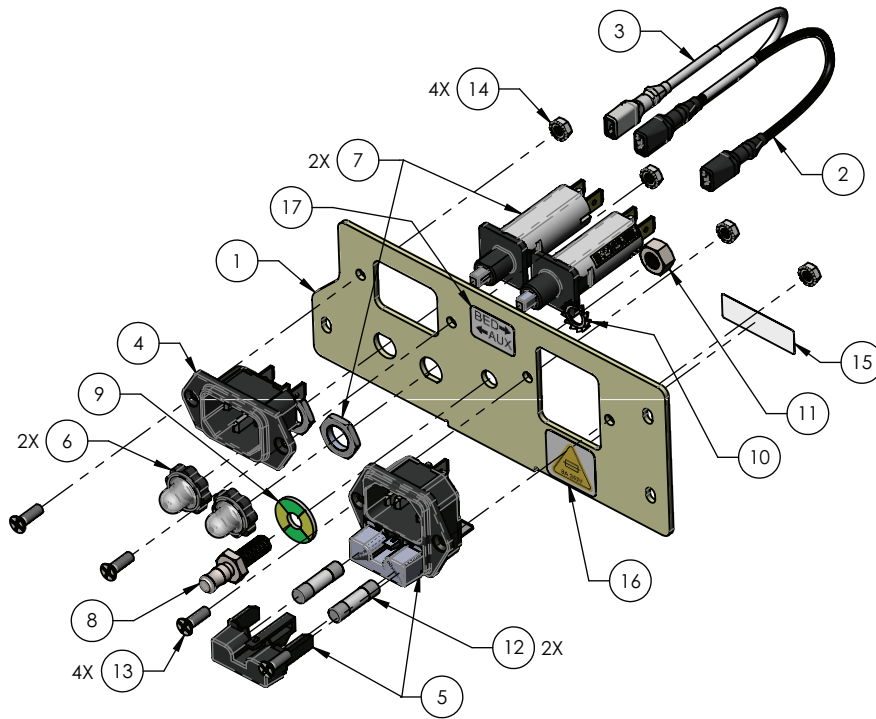


Figure 7 – Power inlet replacement

Auxiliary power outlet replacement

Tools required:

- #2 Phillips screwdriver

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Using a #2 Phillips screwdriver, remove the three screws that secure the auxiliary power outlet assembly to the litter and pull the assembly outward.
6. Disconnect the quick connectors to remove the auxiliary power outlet assembly from the product power cable. Discard the assembly.
7. Reverse steps to reinstall.
8. Verify proper operation before you return the product to service.

Battery replacement

Tools required:

- 5/32" hex driver
- #2 Phillips screwdriver
- 3/8" nut driver

Procedure:

1. Raise the product to the highest height position.

2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a 5/32" hex driver, remove and save the two screws (43) and flat washers (44) that secure the motion interrupt pan (45) to the litter frame. Remove and save the motion interrupt pan (45) (Figure 8).
7. Using a #2 Phillips screwdriver, remove and save the two screws (17) from the battery mounting bracket closest to the center of the bed (Figure 8).
8. Using a #2 Phillips screwdriver while supporting the battery mounting bracket with one hand, remove and save the two screws (17) from the battery mounting bracket closest to the outside of the bed (Figure 8).
9. Hinge the batteries down.
10. Unplug the two battery supply cables from the main control board assembly.
11. Unplug the USB cable from the main control board.
12. Using a 3/8" nut driver, remove and save the nut that secures the ground cable to the battery mounting plate.
13. Lift up to remove and discard the battery mounting plate assembly (14) from the litter frame.
14. Reverse steps to reinstall.
15. Plug the power cord into the wall outlet and allow the batteries to charge for 12 hours.
16. Verify proper operation before you return the product to service.

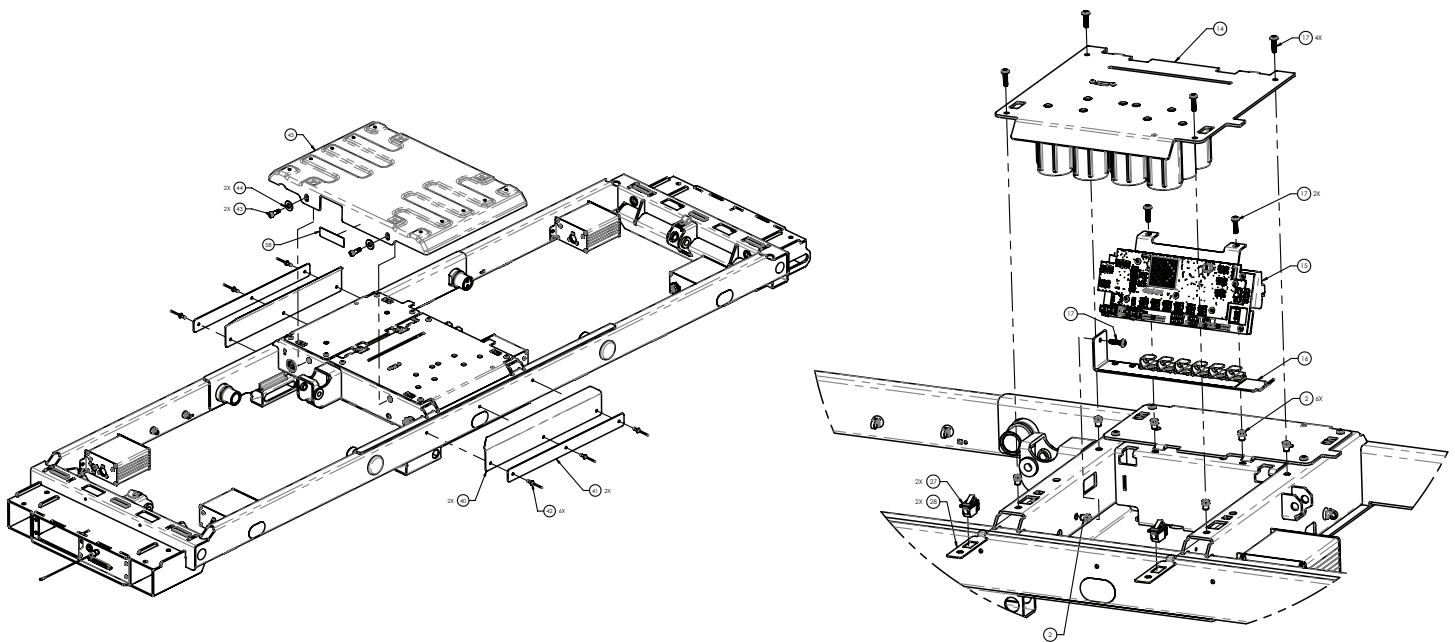


Figure 8 – Battery replacement

Power supply replacement

Tools required:

- 5/32" hex driver
- #2 Phillips screwdriver
- 3/8" nut driver

Procedure:

1. Raise the product to the highest height position.

2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a 5/32" hex driver, remove and save the two screws (43) and flat washers (44) that secure the motion interrupt pan (45) to the litter frame. Remove the motion interrupt pan (45) (Figure 9).
7. Using a #2 Phillips screwdriver, remove and save the two screws (17) from the power supply mounting bracket closest to the center of the bed (Figure 9).
8. Using a #2 Phillips screwdriver while supporting the power supply mounting bracket with one hand, remove and save the two screws (17) from the power supply mounting bracket closest to the outside of the bed (Figure 9).
9. Hinge the power supply down.
10. Unplug the two cables with locking connectors.
11. Using a #2 Phillips screwdriver, remove the screws that secure the red and black DC cables to the AC power supply.
12. Using a 3/8" nut driver, remove the nut that secures the ground cable to the AC power supply mounting bracket.
13. Lift up to remove and discard the power supply assembly (13) from the litter frame (Figure 9).
14. Reverse steps to reinstall.
15. Verify proper operation before you return the product to service.

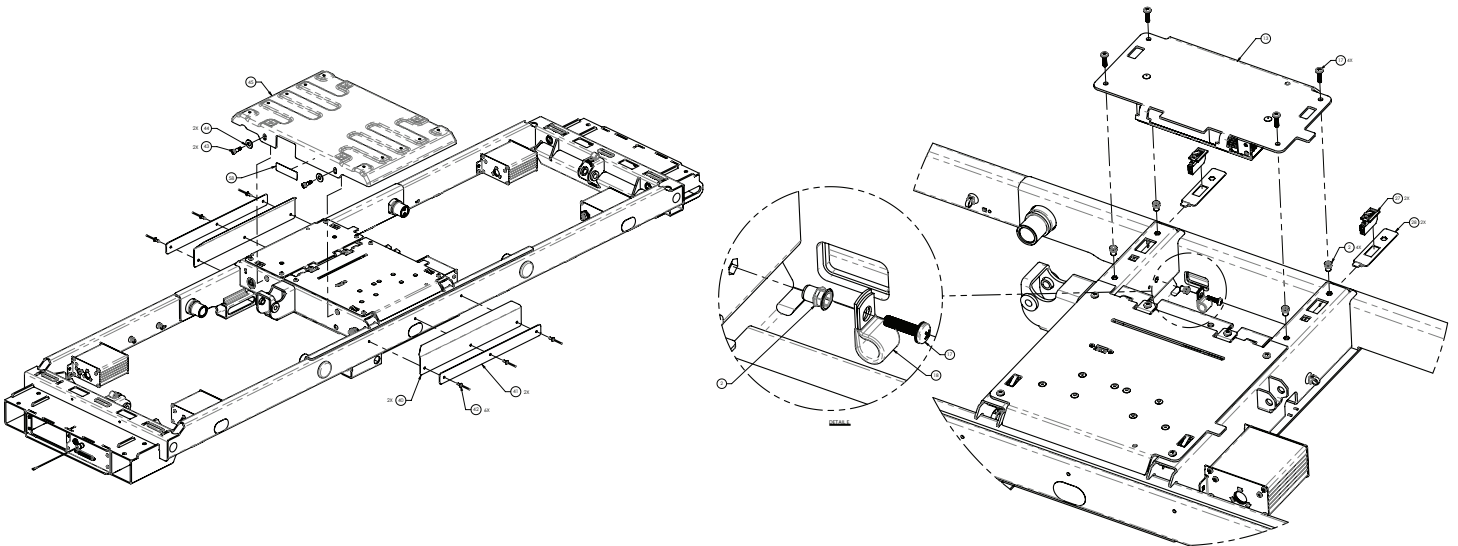


Figure 9 – Power supply replacement

Main control unit (MCU) assembly replacement

Tools required:

- 5/32" hex driver
- #2 Phillips screwdriver
- 3/8" nut driver
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.

4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a 5/32" hex driver, remove and save the two screws (43) and flat washers (44) that secure the motion interrupt pan (45) to the litter frame. Remove the motion interrupt pan (45) (Figure 10).
7. Using a #2 Phillips screwdriver, remove and save the two screws (17) from the battery mounting bracket closest to the center of the bed (Figure 10).
8. Using a #2 Phillips screwdriver while supporting the battery mounting bracket with one hand, remove and save the two screws (17) from the battery mounting bracket closest to the outside of the bed (Figure 10).
9. Hinge the batteries down.

CAUTION

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

10. Unplug the two battery supply cables from the MCU assembly.
11. Unplug the USB cable from the MCU assembly.
12. Using a 3/8" nut driver, remove and save the nut that secures the ground cable to the battery mounting plate.
13. Lift up to remove the battery mounting plate assembly (14) from the litter frame (Figure 10).
14. Unplug all cables from the MCU assembly. Make note of the cable labels and plugs.
15. Using a #2 Phillips screwdriver, remove and save the two screws (17) that secure the MCU assembly to the litter frame (Figure 10).
16. Grasp the MCU mounting bracket (15) where you removed the two screws and pull down.
17. Discard the MCU assembly.
18. Reverse steps to reinstall.
19. Calibrate angles, see *Calibrate angles* (page 25).
20. If the product is the 230V or 220V to 240V configuration, see *230V or 220V-240V bed configuration* (page 27).
21. Verify proper operation before you return the product to service.

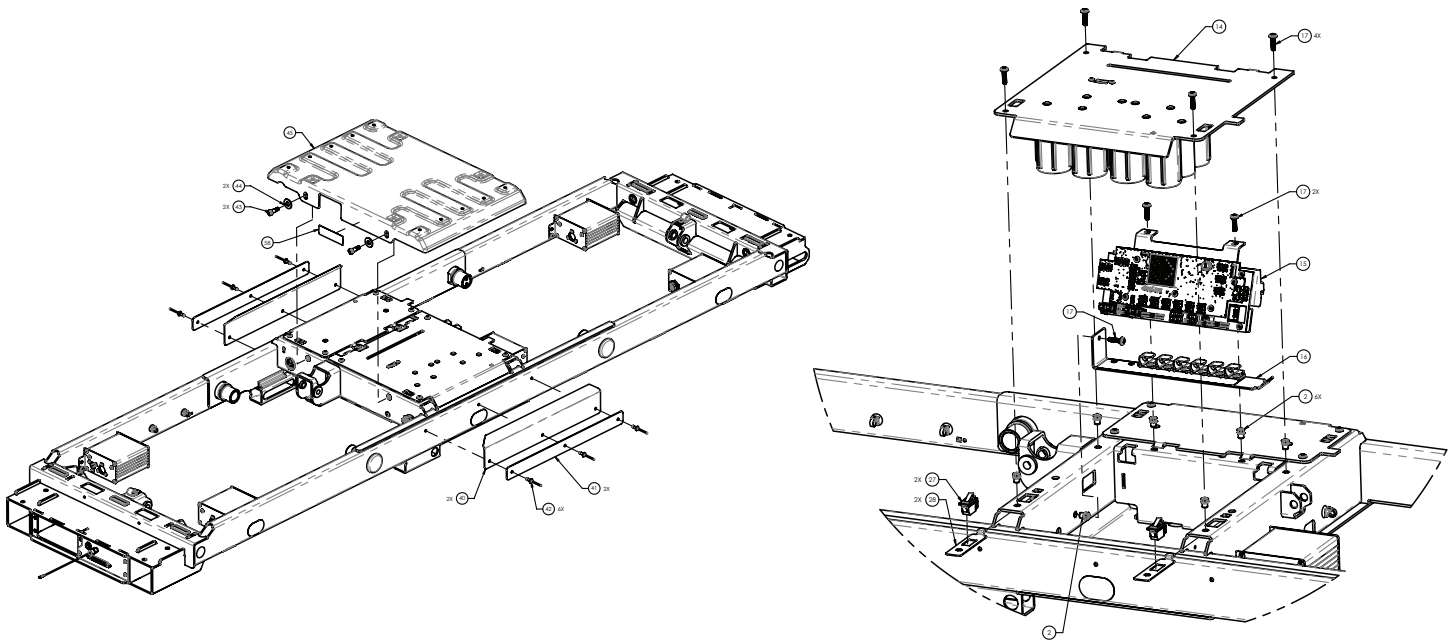


Figure 10 – MCU replacement

Actuator control board (ACB) - Fowler, patient right/Head lift, patient left replacement

Tools required:

- #2 Phillips screwdriver
- ESD system

Procedure:

1. Raise the head lift and Fowler to the highest height position.

Note - If the head lift and Fowler will not raise, access the ACB under the litter at the Fowler.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Raise the head end siderails to the full up and locked position.
7. Using a #2 Phillips screwdriver, remove and save the two screws (17) that secure the ACB assembly to the litter frame (Figure 11).
8. Lift upward on the ACB assembly (20, 21) and unkey from the litter frame (Figure 11).

CAUTION

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

9. Using a #2 Phillips screwdriver, remove and save the four screws (9) that secure the ACB faceplate (2) to the ACB box (Figure 12).
10. Unplug all cables from the ACB. Make note of the cable labels and plugs.
11. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the ACB (5) to the ACB box (Figure 12).
12. Discard the ACB.

13. Reverse steps to reinstall.

14. If you replace the Fowler ACB, calibrate angles. See *Calibrate angles* (page 25).

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

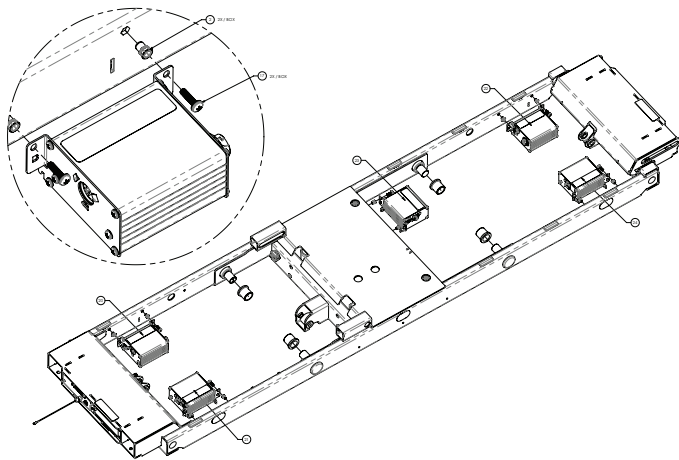


Figure 11 – ACB replacement

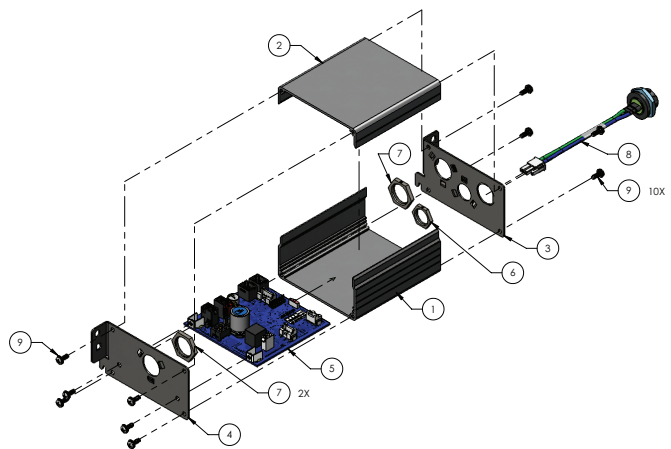


Figure 12 – ACB replacement

Actuator control board (ACB) - knee Gatch, patient left replacement

Tools required:

- #2 Phillips screwdriver
- T40 Torx driver
- Needle nose pliers
- ESD system

Procedure:

1. Fold and secure the mattress toward the Fowler.
2. Raise the knee Gatch to full height.

Note - If the knee Gatch will not raise, you access the ACB assembly by:

- a. Using needle nose pliers, remove and save the knee Gatch actuator ring clip and foot end clevis pin.
 - b. Lower the actuator down.
 - c. Remove and save the knee Gatch and thigh section clevis pins.
 - d. Raise the knee Gatch and thigh section.
3. Unplug the power cord from the wall outlet.
 4. On the footboard control panel, press **Enter** to access the **Settings** menu.
 5. Highlight **Shutdown** and press **Enter**.
 6. Push down on the brake pedal to apply the brake.
 7. Using a T40 Torx driver, remove and save the four screws that secure the knee Gatch mattress surface to the knee Gatch litter weldment. Remove and save the knee Gatch mattress surface.
 8. Using a T40 Torx driver, remove and save the two screws that secure the thigh mattress surface to the thigh litter weldment. Remove and save the thigh mattress surface.

9. Using a #2 Phillips screwdriver, remove and save the two screws (17) that secure the ACB assembly (23) to the litter frame (Figure 13).
10. Lift upward on the ACB assembly (23) and unkey from the litter frame.

CAUTION

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

11. Using a #2 Phillips screwdriver, remove and save the four screws (9) that secure the ACB faceplate (2) to the ACB box (Figure 12).
12. Unplug all cables from the ACB. Make note of the cable labels and plugs.
13. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the ACB (5) to the ACB box (Figure 13).
14. Discard the ACB.
15. Reverse steps to reinstall.
16. Calibrate angles, see *Calibrate angles* (page 25).
17. Verify proper operation before you return the product to service.

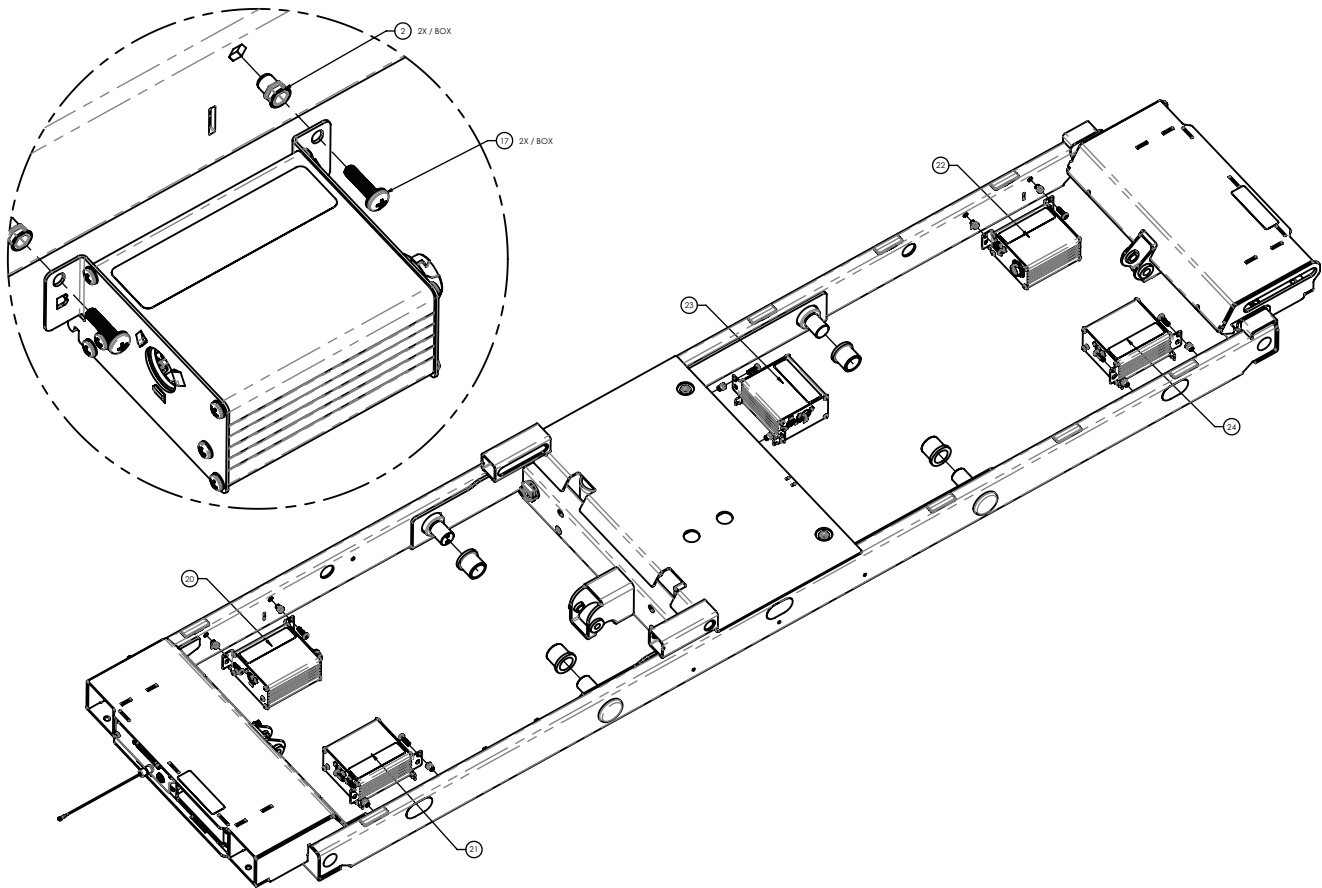


Figure 13 – ACB replacement

Actuator control board (ACB) - Foot, patient right/Foot lift, patient left replacement

Tools required:

- #2 Phillips screwdriver
- T40 Torx driver

- Needle nose pliers
- ESD system

Procedure:

1. Fold and secure the mattress toward the Fowler.
2. Raise the Gatch and thigh to full height.

Note - If the Gatch or thigh will not raise, you access the ACB assembly by:

- a. Using needle nose pliers, remove the knee Gatch actuator ring clip and foot end clevis pin.
 - b. Lower the actuator down.
 - c. Remove and save the Gatch and thigh section clevis pins.
 - d. Raise the Gatch and thigh section.
3. Unplug the power cord from the wall outlet.
 4. On the footboard control panel, press **Enter** to access the **Settings** menu.
 5. Highlight **Shutdown** and press **Enter**.
 6. Push down on the brake pedal to apply the brake.
 7. Using a T40 Torx driver, remove and save the two screws that secure the thigh mattress surface to the thigh litter weldment. Remove and save the thigh mattress surface.
 8. Using a #2 Phillips screwdriver, remove and save the two screws (17) that secure the ACB assembly (22, 24) to the litter frame (Figure 14).
 9. Lift upward on the ACB assembly (22, 24) and unkey from the litter frame.

CAUTION

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

10. Using a #2 Phillips screwdriver, remove and save the four screws (9) that secure the ACB faceplate (2) to the ACB box (Figure 12).
11. Unplug all cables from the ACB. Make note of the cable labels and plugs.
12. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the ACB (5) to the ACB box (Figure 14).
13. Discard the ACB.
14. Reverse steps to reinstall.
15. If you replace the Foot ACB, calibrate angles. See *Calibrate angles* (page 25).
16. Verify proper operation before you return the product to service.

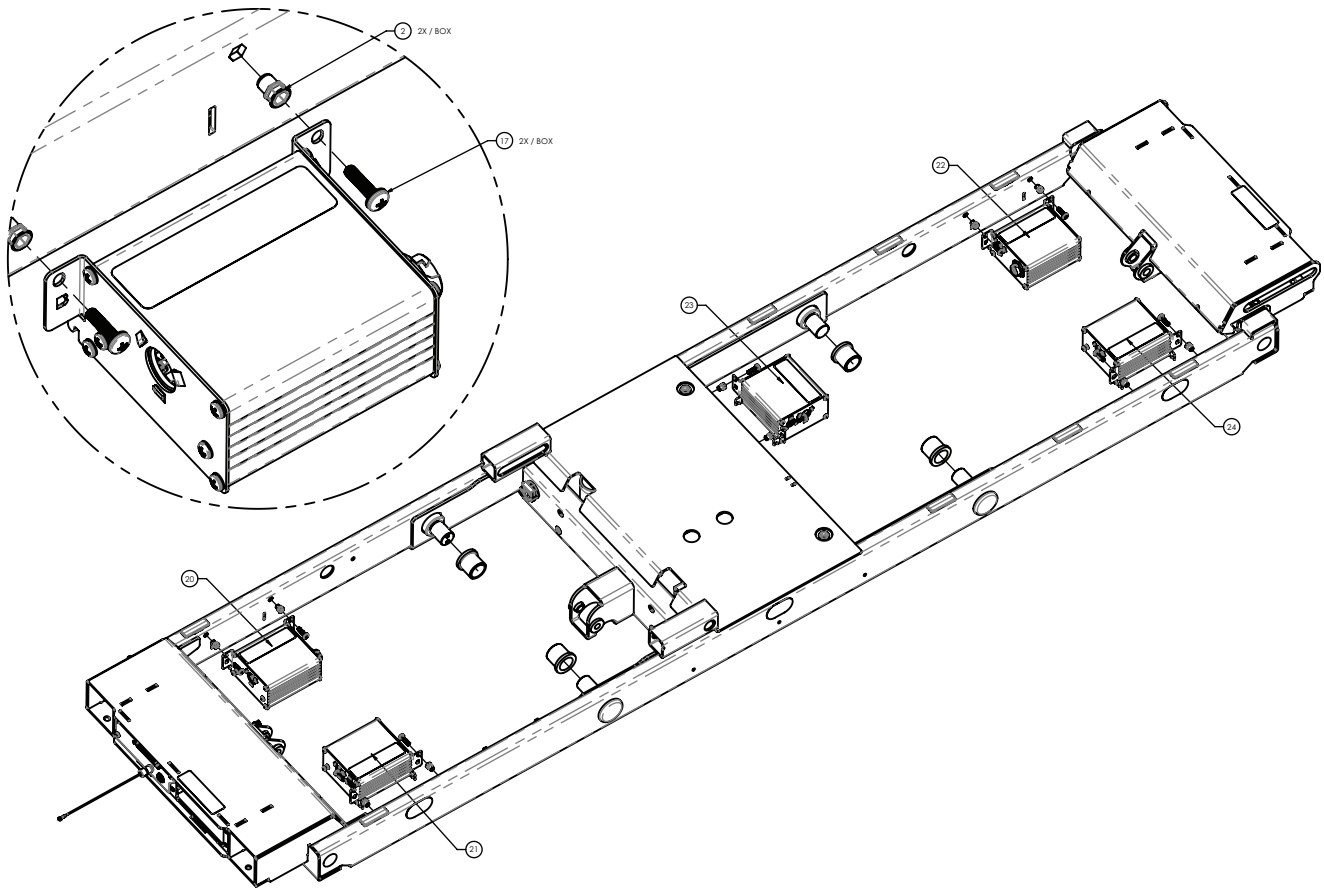


Figure 14 – ACB replacement

Deck position monitor (DPM) board, head replacement

Tools required:

- T40 Torx driver
- T20 Torx driver
- T25 Torx driver
- #2 Phillips screwdriver
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Place the litter surface in the flat horizontal position.
3. Remove the mattress from the litter surface.
4. Unplug the power cord from the wall outlet.
5. On the footboard control panel, press **Enter** to access the **Settings** menu.
6. Highlight **Shutdown** and press **Enter**.
7. Push down on the brake pedal to apply the brake.
8. Expand all the litter decks to the 48 in. position.
9. Working from the head left, use a T40 Torx driver to remove and save the four screws (26) that secure the Fowler litter surface (10) to the Fowler frame (Figure 15). Remove and save the Fowler litter surface.

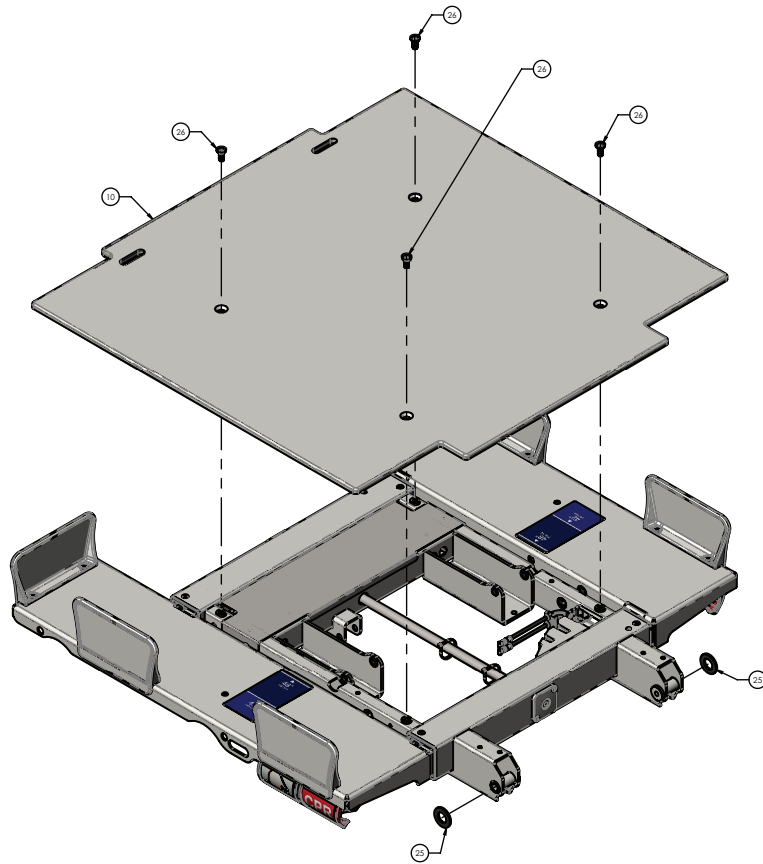


Figure 15 – DPM board replacement, head

10. Using a T25 Torx driver, remove and save the screw (13) that secures the DPM assembly (7) to the Fowler frame (Figure 16).
11. Using a T20 Torx driver, remove and save the two screws (12) that secure the DPM assembly (7) to the Fowler frame (Figure 16).
12. Remove the DPM assembly from the Fowler frame.

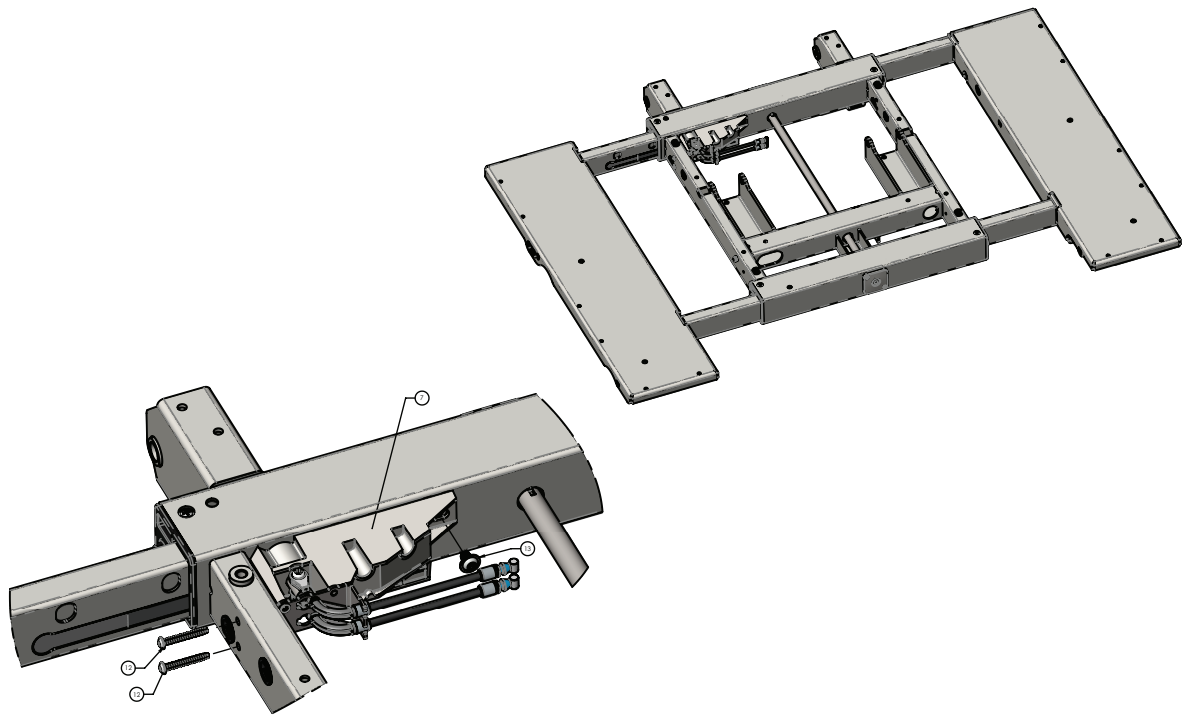


Figure 16 – DPM board replacement, head

13. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the DPM cover (2) and remove and save the cover (Figure 17).
14. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the DPM board (12) to the DPM assembly (Figure 17).

CAUTION

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

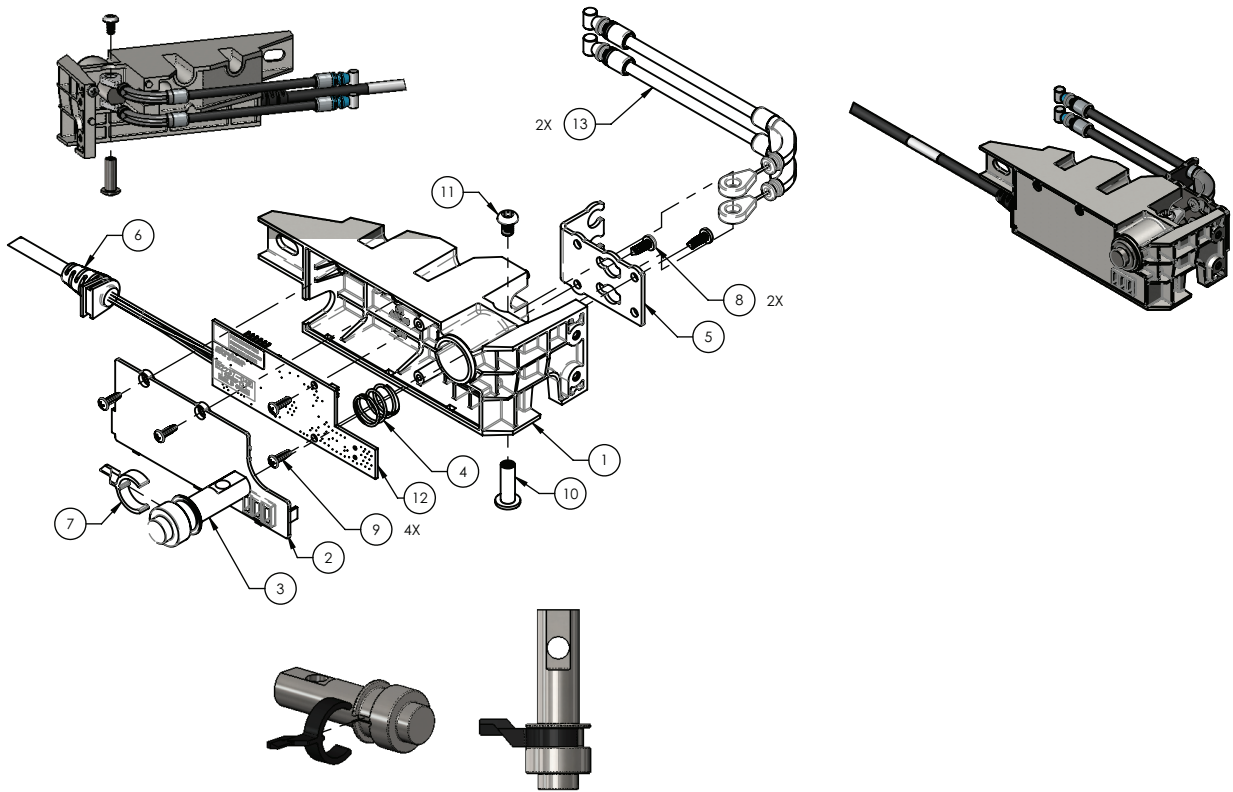


Figure 17 – DPM board replacement, head

15. Unplug all cables from the DPM board. Make note of the cable labels and plugs.
16. Remove and discard the DPM board.
17. Reverse steps to reinstall.
18. Calibrate the deck widths, see *Calibrate deck widths* (page 26).
19. Verify proper operation before you return the product to service.

Deck position monitor (DPM) board, mid replacement

Tools required:

- T40 Torx driver
- T20 Torx driver
- T25 Torx driver
- #2 Phillips screwdriver
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Place the litter surface in the flat horizontal position.
3. Remove the mattress from the litter surface.
4. Unplug the power cord from the wall outlet.
5. On the footboard control panel, press **Enter** to access the **Settings** menu.

6. Highlight **Shutdown** and press **Enter**.
7. Push down on the brake pedal to apply the brake.
8. Expand all the litter decks to the 48 in. position.
9. Working from the middle right, use a T40 Torx driver to remove and save the two screws (9) that secure the seat deck cover (8) to the seat frame (Figure 18). Remove and save the seat deck cover.

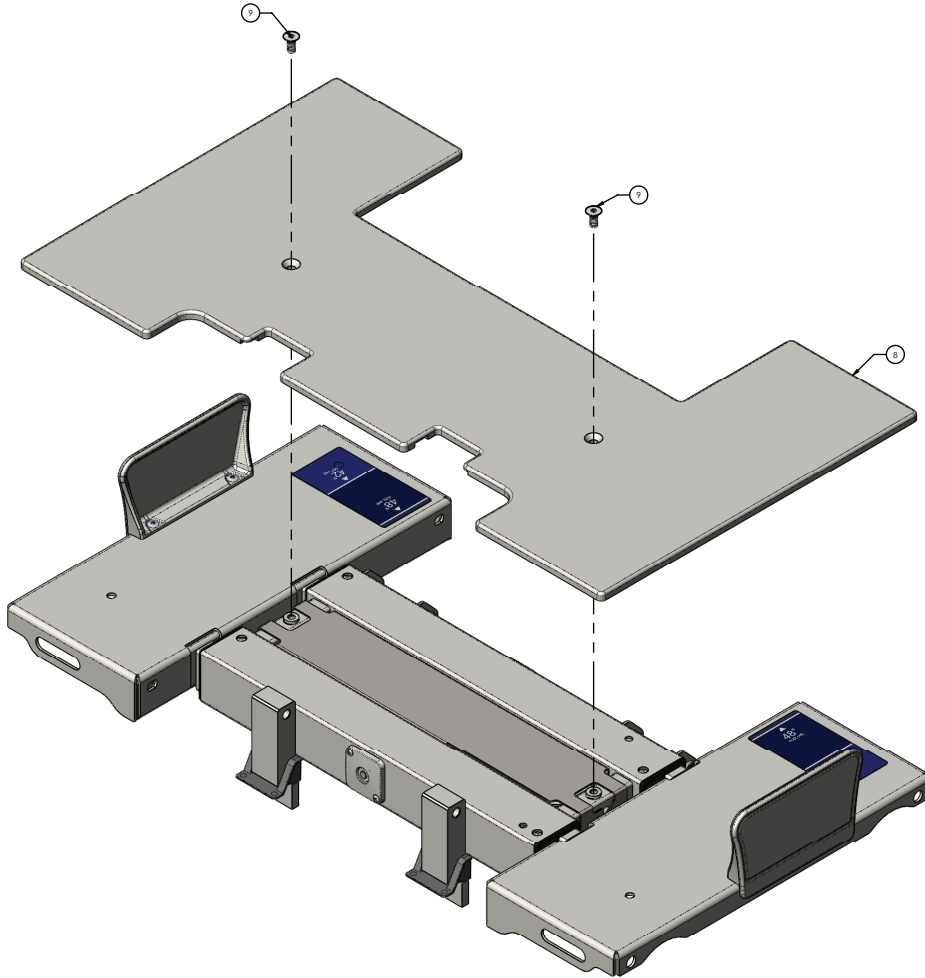


Figure 18 – DPM board replacement, mid

10. Using a T25 Torx driver, remove and save the screw (11) that secures the DPM assembly (25) to the seat frame (Figure 19).
11. Using a T20 Torx driver, remove and save the two screws (10) that secure the DPM assembly (25) to the seat frame (Figure 19).
12. Remove the DPM assembly from the seat frame.

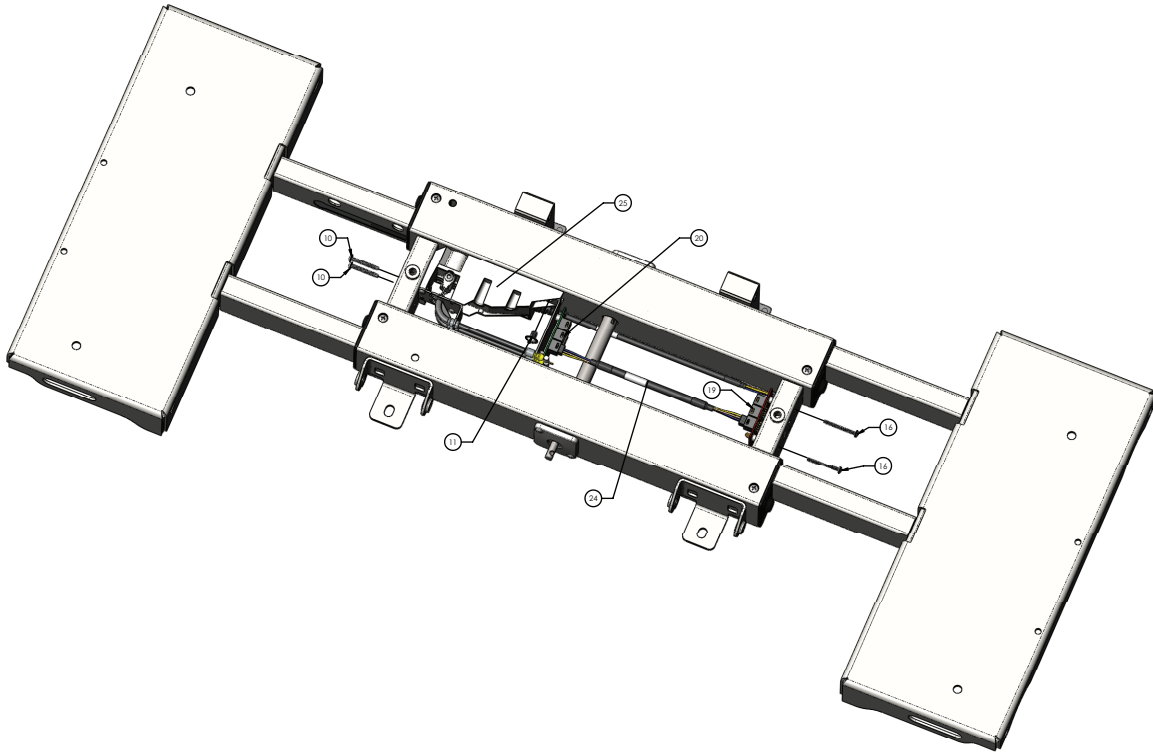


Figure 19 – DPM board replacement, mid

13. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the DPM cover (2) and remove and save the cover (Figure 20).
14. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the DPM board (12) to the DPM assembly (Figure 20).

CAUTION

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

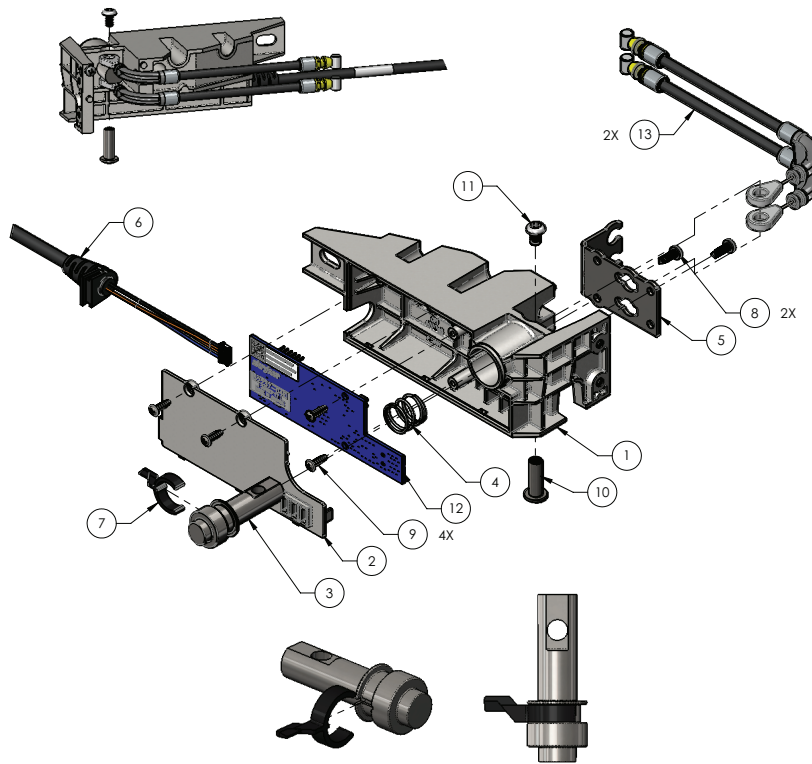


Figure 20 – DPM board replacement, mid

15. Unplug all cables from the DPM board. Make note of the cable labels and plugs.
16. Remove and discard the DPM board.
17. Reverse steps to reinstall.
18. Calibrate the deck widths, see *Calibrate deck widths* (page 26).
19. Verify proper operation before you return the product to service.

Deck position monitor (DPM) board, foot replacement

Tools required:

- T40 Torx driver
- T20 Torx driver
- T25 Torx driver
- #2 Phillips screwdriver
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Place the litter surface in the flat horizontal position.
3. Remove the mattress from the litter surface.
4. Unplug the power cord from the wall outlet.
5. On the footboard control panel, press **Enter** to access the **Settings** menu.
6. Highlight **Shutdown** and press **Enter**.

7. Push down on the brake pedal to apply the brake.
8. Expand all the litter decks to the 48 in. position.
9. Working from the foot right, use a T40 Torx driver to remove and save the two screws (11) that secure the foot deck cover (8) to the foot frame (Figure 21). Remove and save the foot deck cover.

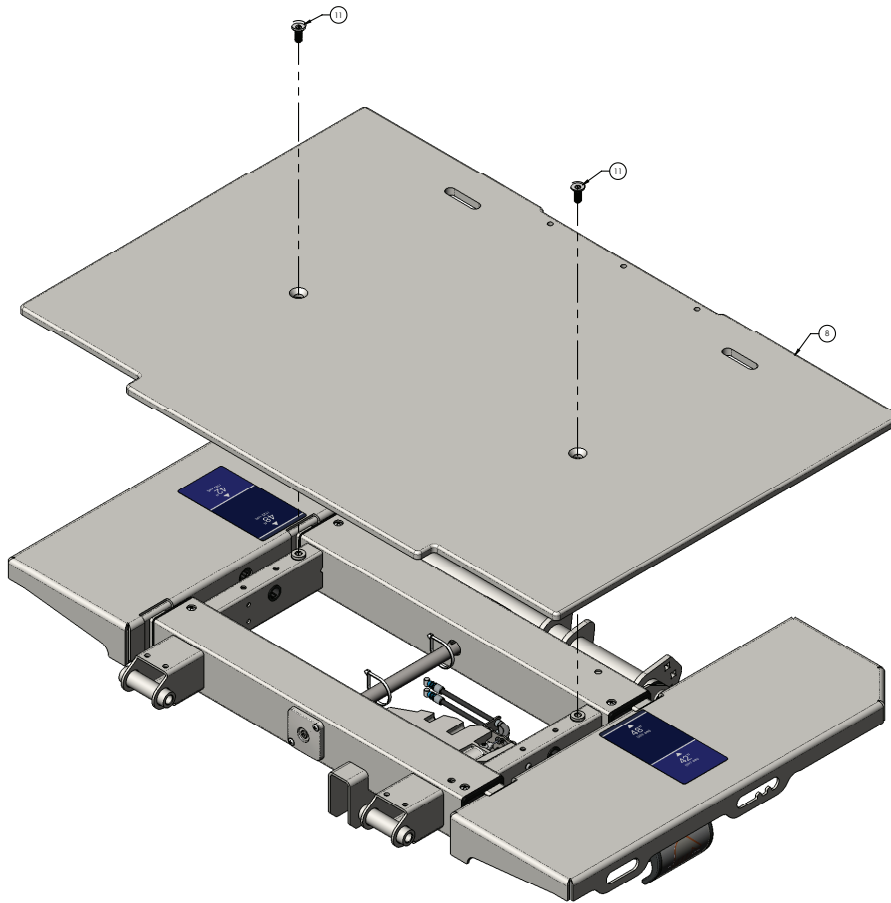


Figure 21 – DPM board replacement, foot

10. Using a T25 Torx driver, remove and save the screw (13) that secures the DPM assembly (7) to the foot frame (Figure 22).
11. Using a T20 Torx driver, remove and save the two screws (12) that secure the DPM assembly (7) to the foot frame (Figure 22).
12. Remove the DPM assembly from the foot frame.

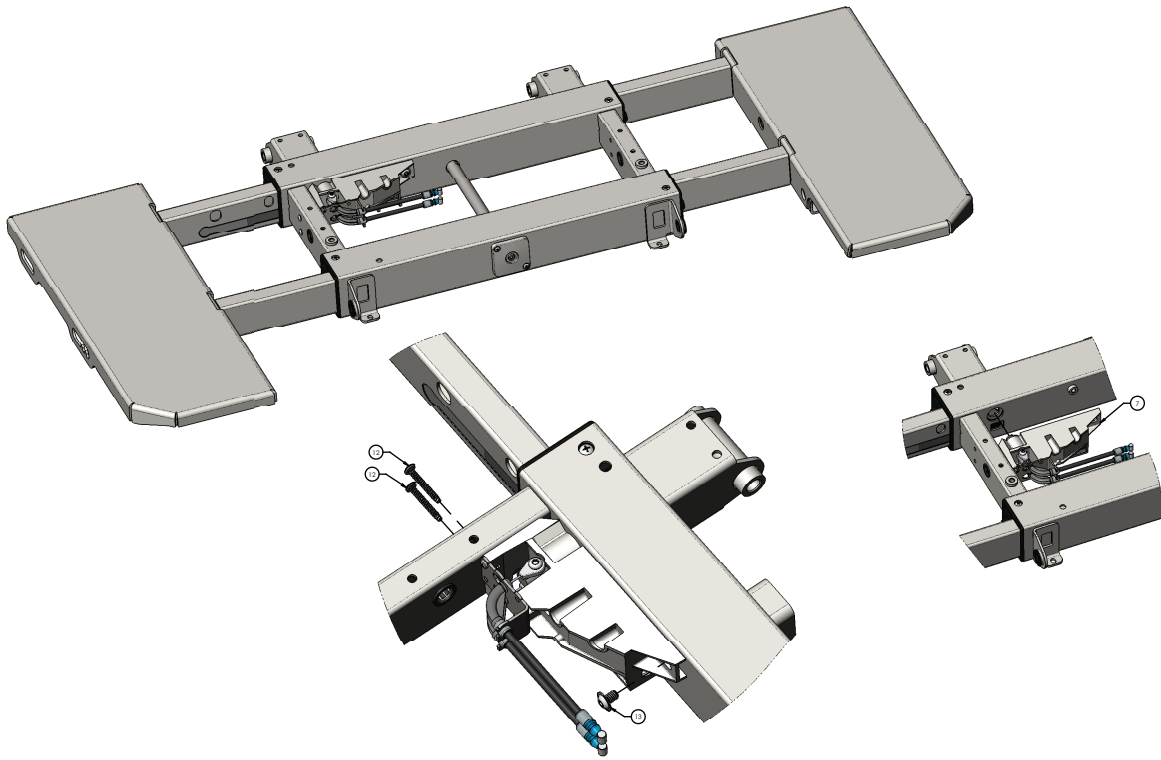


Figure 22 – DPM board replacement, foot

13. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the DPM cover (2). Remove and save the cover (Figure 23).
14. Using a #2 Phillips screwdriver, remove and save the two screws (9) that secure the DPM board (12) to the DPM assembly (Figure 23).

CAUTION

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

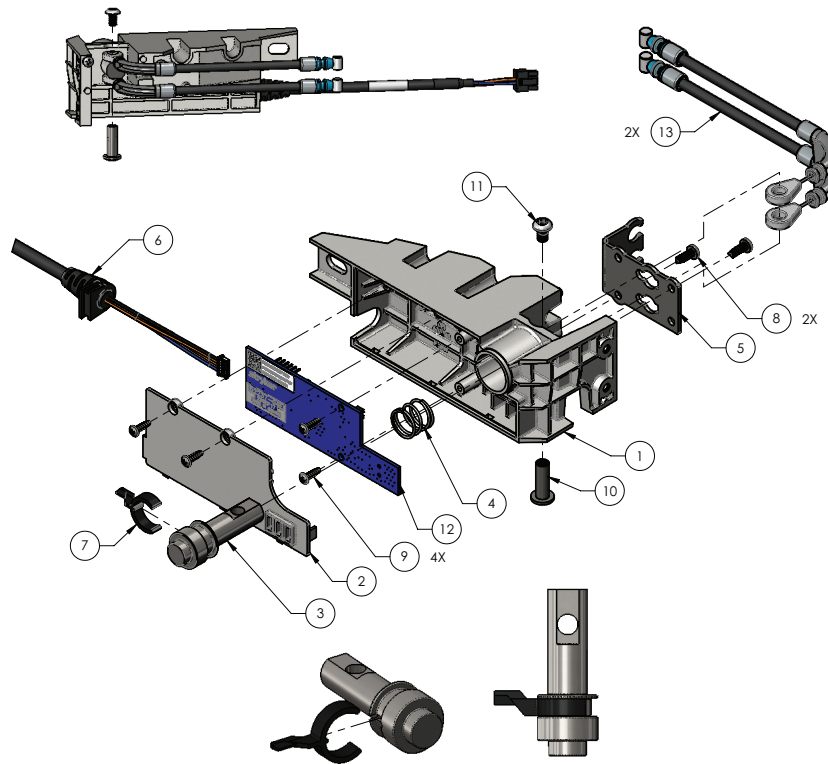


Figure 23 – DPM board replacement, foot

15. Unplug all cables from the DPM board. Make note of the cable labels and plugs.
16. Remove and discard the DPM board.
17. Reverse steps to reinstall.
18. Calibrate the deck widths, see *Calibrate deck widths* (page 26).
19. Verify proper operation before you return the product to service.

Audio visual board (AVB) replacement

Tools required:

- #2 Phillips screwdriver
- ESD system

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Using a #2 Phillips screwdriver, remove and save the three screws that secure the AVB assembly to the foot end of the litter frame.
6. Remove the AVB assembly from the litter frame.

CAUTION

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

7. Disconnect all cables from the AVB assembly. Make note of the cable labels and plugs.
8. Using a #2 Phillips screwdriver, remove and save the screw (4) and nut (5) that secure the speaker (2) to the AVB assembly. Remove and save the speaker (Figure 24).
9. Discard the AVB assembly.
10. Reverse steps to reinstall.
11. Verify proper operation before you return the product to service.

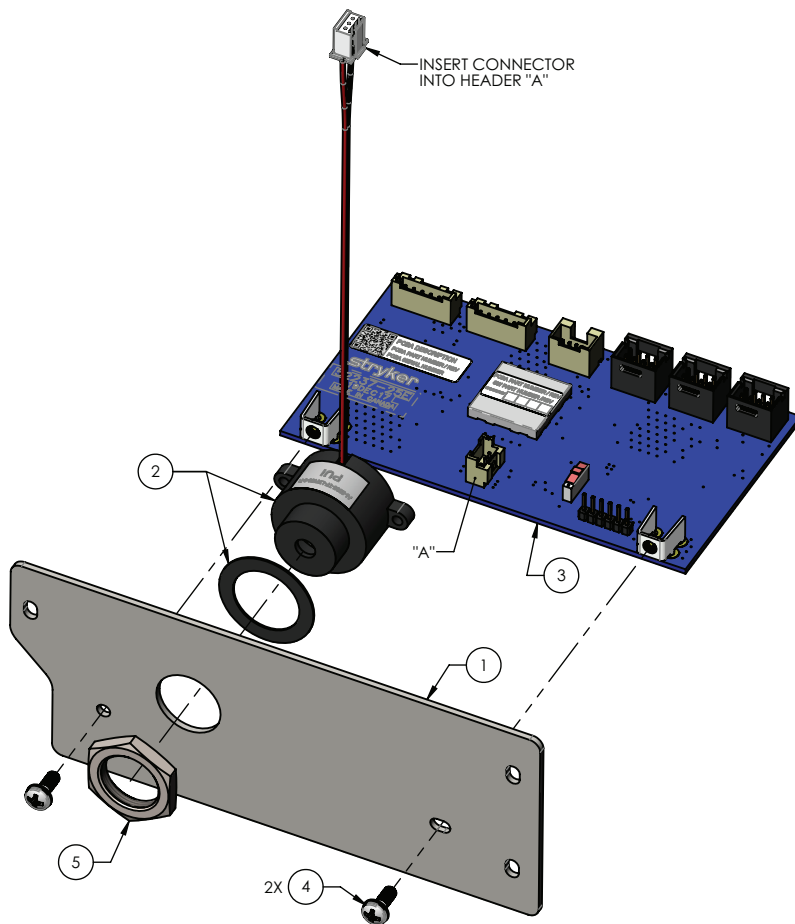


Figure 24 – AVB replacement

Patient station interface (PSI) board replacement

Tools required:

- #2 Phillips screwdriver

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.

3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Unplug the nurse call cable, if equipped.
6. Using a #2 Phillips screwdriver, remove and save the three screws (26) that secure the PSI board assembly (25) to the litter frame and pull the PSI assembly outward (Figure 25).

CAUTION

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

7. Unplug all cables from the main control board. Make note of the cable labels and plugs.
8. Discard the PSI board.
9. Reverse steps to reinstall.
10. Verify proper operation before you return the product to service.

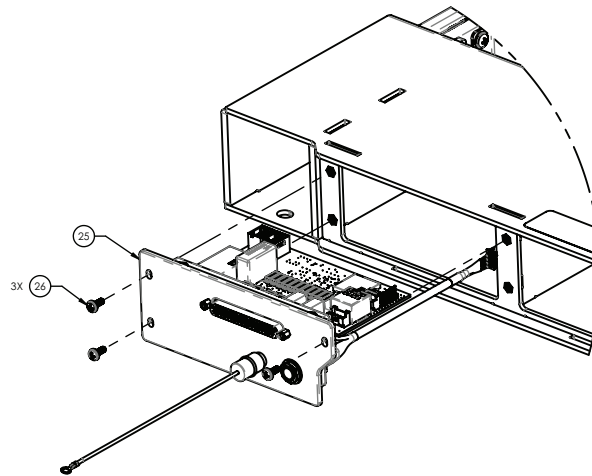


Figure 25 – PSI replacement

Footboard keypad/display replacement

Tools required:

- #2 Phillips screwdriver
- Pick
- ESD system

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Using a pick, remove the front label (11) from the footboard (Figure 26).
6. Using a #2 Phillips screwdriver, remove and save the three screws (18) and washers (25) that secure the back panel (3) to the footboard (Figure 26).
7. Remove and save the back panel (3).
8. Using a #2 Phillips screwdriver, remove and save the six screws (18) and six washers (25) that secure the keypad/display (7) to the footboard (Figure 26).

CAUTION

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

9. Disconnect the keypad/display cable and the iBed footboard light cable (13). Remove and discard the keypad/display (7) (Figure 26).
10. Reverse steps to reinstall.
11. Verify proper operation before you return the product to service.

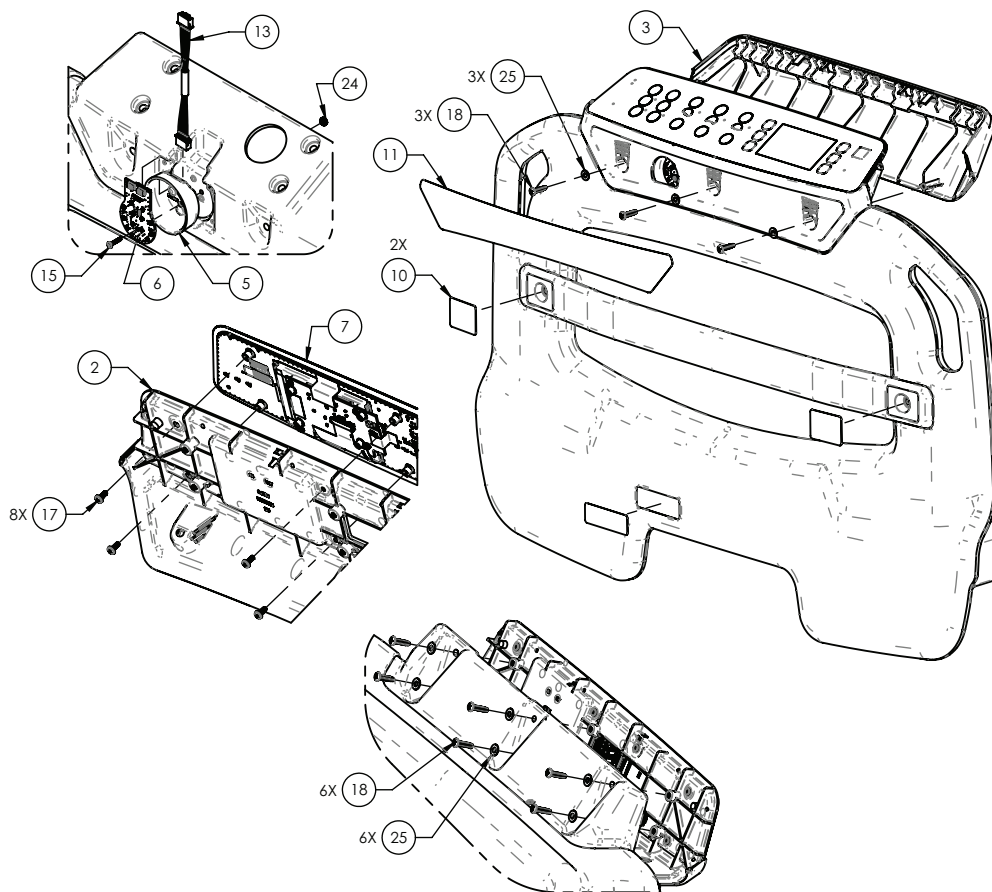


Figure 26 – Footboard keypad/display replacement

Footboard main cable replacement

Tools required:

- #2 Phillips screwdriver
- Pick
- ESD system

Procedure:

1. Unplug the power cord from the wall outlet.
2. On the footboard control panel, press **Enter** to access the **Settings** menu.
3. Highlight **Shutdown** and press **Enter**.
4. Push down on the brake pedal to apply the brake.
5. Using a pick, remove the front label (11) from the footboard (Figure 27).

6. Using a #2 Phillips screwdriver, remove the three screws (18) and washers (25) that secure the back panel (3) to the footboard (Figure 27). Remove and save the back panel.
7. Using a #2 Phillips screwdriver, remove and save the six screws (18) and six washers (25) that secure the keypad/display (7) to the footboard (Figure 27).

CAUTION

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

8. Disconnect the keypad/display cable and the iBed footboard light cable (13). Remove and save the keypad/display (7) (Figure 27).
9. Remove the footboard from the product.
10. Using a #2 Phillips screwdriver, remove and save the two screws (19) that secure the footboard main cable (14) to the bottom of the footboard (Figure 27).
11. Remove the footboard main cable (14) from the footboard and discard (Figure 27).
12. Reverse steps to reinstall.
13. Verify proper operation before you return the product to service.

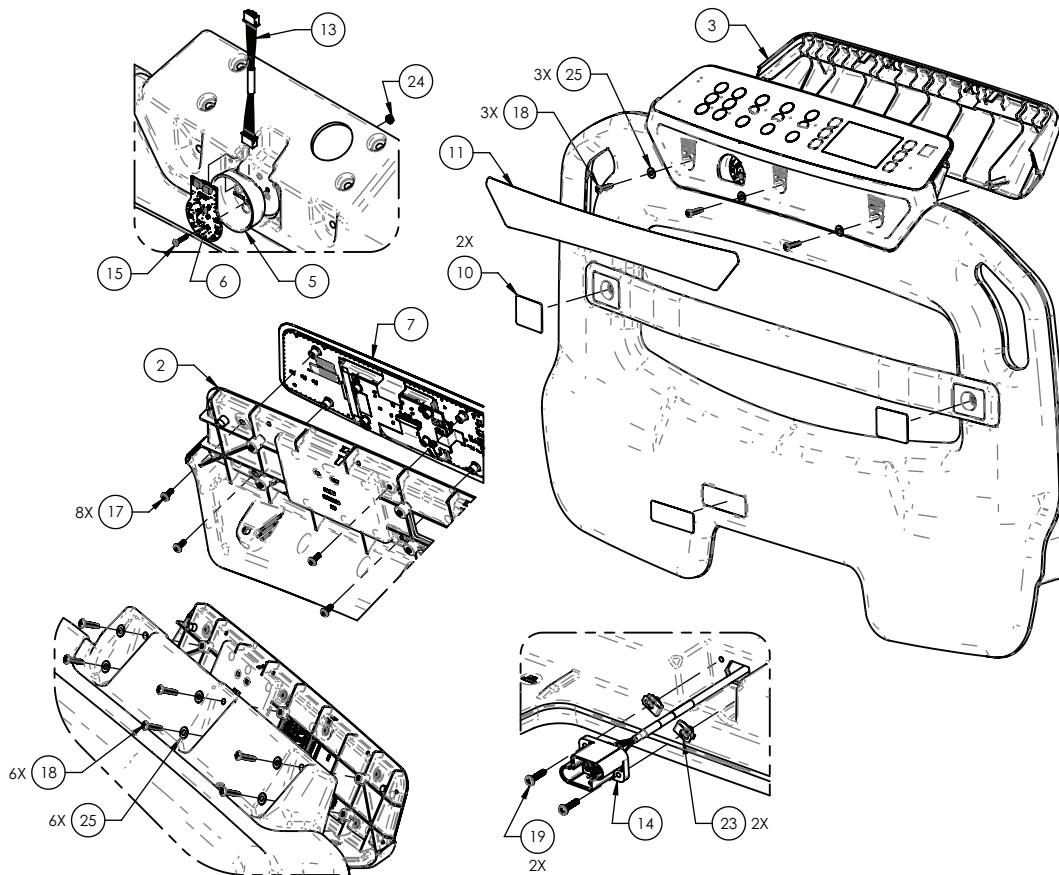


Figure 27 – Footboard main cable replacement

Fowler actuator replacement

Tools required:

- Needle nose pliers
- Small flat screwdriver

- Syn-Tech grease (3000-200-719)

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Raise both head end siderails to the up and locked position.
7. Pull the CPR release handle to lower the Fowler down.
8. Using needle nose pliers, remove both rue ring retaining clips (9) from the clevis pins (18, 19) that attach the actuator (20) to the litter weldment and Fowler weldment (Figure 28).
9. While supporting the actuator (20) with one hand, remove the head end clevis pin (18) and then lower the actuator down (Figure 28).

Note - Apply a thin coat of Syn-Tech grease to the clevis pin when you reinstall.

10. Using a small flat screwdriver, unlock the gray CPR pull retainer from the red CPR pull to loosen the CPR pull retainer.
11. Using a small flat screwdriver, remove the gray CPR pull retainer from the red CPR pull. A white spacer between the CPR pull and the CPR cable retaining bracket will fall out (Figure 29). Save the white spacer.
12. Remove the CPR cables from the CPR cable retaining bracket.
13. Using a small flat screwdriver, release the retaining ring from the power and sensor cable quick connects and disconnect the cables from the actuator. When reconnecting the cables, fully seat and lock the cable quick connector retaining ring.
14. While supporting the actuator (20) with one hand, remove the foot end clevis pin (19) and then lower the actuator down (Figure 28).

Note - Apply a thin coat of Syn-Tech grease to the clevis pin when you reinstall.

15. Reverse steps to reinstall.
16. Calibrate angles, see *Calibrate angles* (page 25).
17. Verify proper operation before you return the product to service.

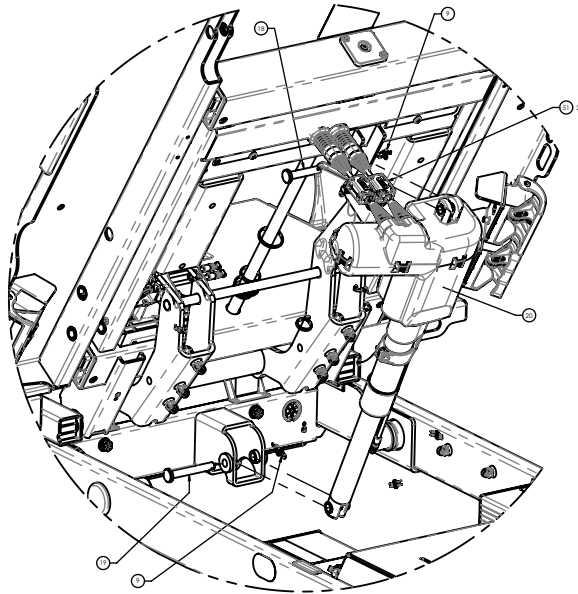


Figure 28 – Fowler actuator replacement

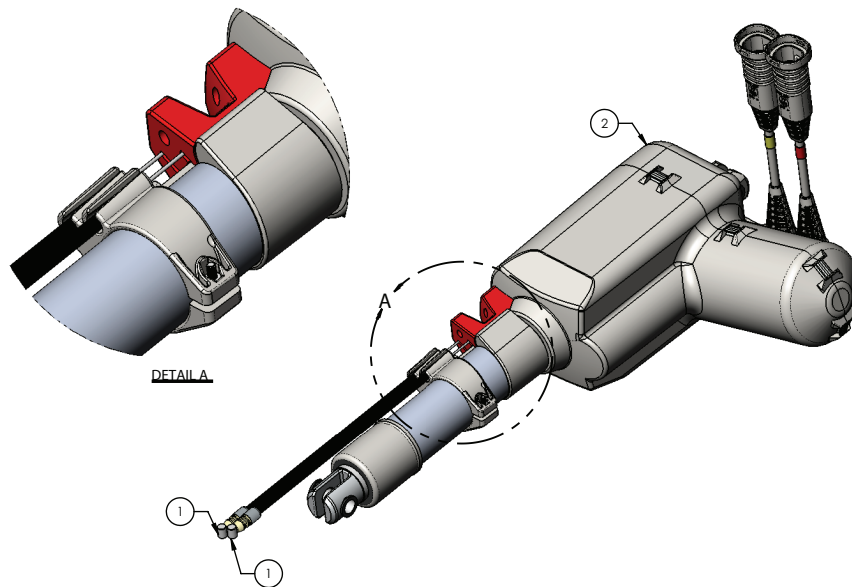


Figure 29 – Fowler CPR pull

Gatch actuator replacement

Tools required:

- Needle nose pliers
- Small flat screwdriver

- Syn-Tech grease (3000-200-719)

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Raise both foot end siderails to the up and locked position.
7. Using a small flat screwdriver, release the power/sensor cable quick connect (51) and disconnect the cable from the actuator (46) (Figure 30). When re-connecting the cables, fully seat and lock the cable quick connector retaining ring.
8. Using needle nose pliers, remove both rue ring retaining clips (9) from the clevis pins (21) that attach the actuator (46) to the litter weldment and Fowler weldment (Figure 30).
9. While supporting the actuator (46) with one hand, remove the head end clevis pin (21) and foot end clevis pin (21) and then lower the actuator down (Figure 30).

Note - Apply a thin coat of Syn-Tech grease to the clevis pin when you reinstall.

10. Reverse steps to reinstall.
11. Calibrate angles, see *Calibrate angles* (page 25).
12. Verify proper operation before you return the product to service.

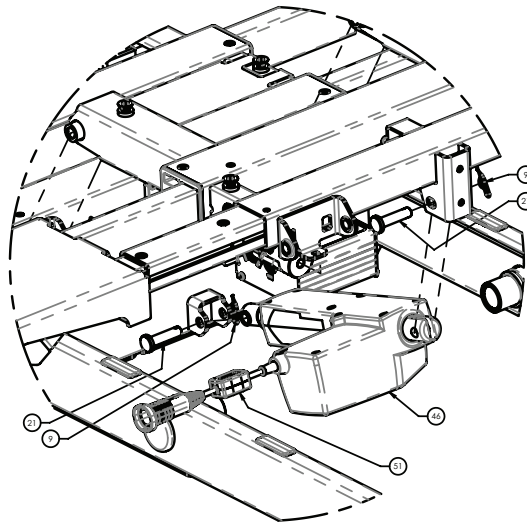


Figure 30 – Gatch actuator replacement

Foot actuator replacement

Tools required:

- Needle nose pliers
- Small flat screwdriver
- Syn-Tech grease (3000-200-719)

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.

4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Raise both foot end siderails to the up and locked position.
7. Using needle nose pliers, remove the rue ring retaining clip (9) from the head end clevis pin (21) that attaches the actuator (35) to the litter weldment (Figure 31).
8. Using needle nose pliers, remove the circle ring retaining ring (36) from the foot end clevis pin (18) that attaches the actuator (35) to the thigh weldment (Figure 31).
9. While supporting the actuator (35) with one hand, remove the head end clevis pin (21) and the foot end clevis pin (18) and then lower the actuator down (Figure 31).

Note - Apply a thin coat of Syn-Tech grease to the clevis pin when you reinstall.

10. Using a small flat screwdriver, release the power/sensor cable quick connect (51) and disconnect the cable from the actuator (35) (Figure 31). When re-connecting the cables, fully seat and lock the cable quick connector retaining ring.
11. Reverse steps to reinstall.

Note - Route the power/sensor cable over the top of the actuator when you reinstall the actuator.

12. Calibrate angles, see *Calibrate angles* (page 25).
13. Verify proper operation before you return the product to service.

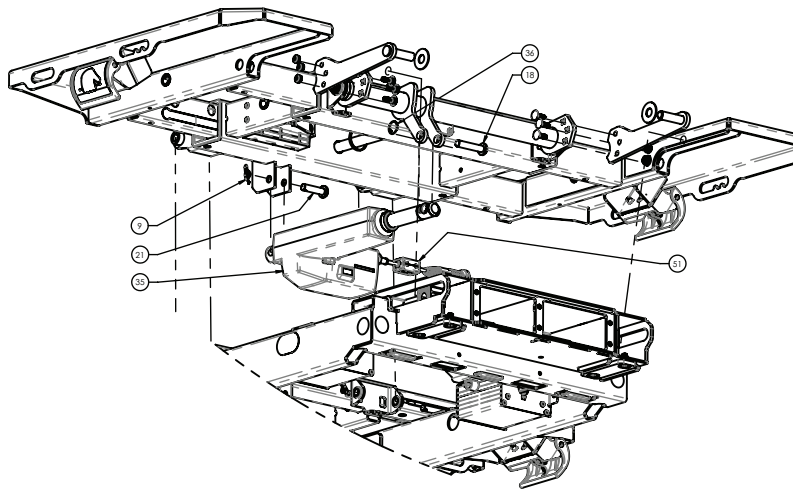


Figure 31 – Foot actuator replacement

Lift actuator, head and foot replacement

Tools required:

- Needle nose pliers
- (2) 3/8" x 1" grade 8 bolt and nut
- Syn-Tech grease (3000-200-719)

Procedure:

1. Run the actuator up or down to remove the litter load from the actuator.
2. Raise both siderails to the up and locked position at either the head end or foot end.
3. If the activator still runs:
 - a. Raise the product to the highest height position to expose the base weldment lift support holes on both sides.
 - b. Insert two 3/8" bolts through the support holes in the base weldment from the inside out and then thread the nuts onto the bolts to keep the bolts from falling out.

CAUTION - Always leave the bolts loose in the support holes, so the bolt head is out far enough to stop the lift mechanism slide block.

- c. Lower the litter until the lift mechanism slides touch the 3/8" bolt heads. You should be able to jostle the actuator by hand after you remove the litter load from the litter surface. If not, lower the litter more until the actuator is loose.

WARNING - Do not lower the litter too low or you may cause damage to the support bolts.

4. If the actuator does not run:
 - a. Put the bed into the Maintenance mode (limits bypassed) and then go to the Actuator Maintenance Menu. Select the actuator that needs to move and see if it will run.
 - b. See step 3a.
5. If the actuator will not run with the limits bypassed in step 4a, use a hoist, with a strap around and under the litter, to remove the litter load from the actuator and support the litter surface on the end that has failed.
6. Unplug the power cord from the wall outlet.
7. On the footboard control panel, press **Enter** to access the **Settings** menu.
8. Highlight **Shutdown** and press **Enter**.
9. Using the cable quick connector release, unlock the cable from the motor control box so that it is loose.
10. Using needle nose pliers, remove both rue ring retaining clips (23) from the clevis pins (22) that attach the actuator (24) to the litter weldment and lift weldment (Figure 32).
11. While supporting the actuator (24) with one hand, remove the head end clevis pin (22) and foot end clevis pin (22) and then lower the actuator down (Figure 32).

Note - Apply a thin coat of Syn-Tech grease to the clevis pin when you reinstall.
12. Reverse steps to reinstall.
13. Calibrate angles, see *Calibrate angles* (page 25).
14. Verify proper operation before you return the product to service.

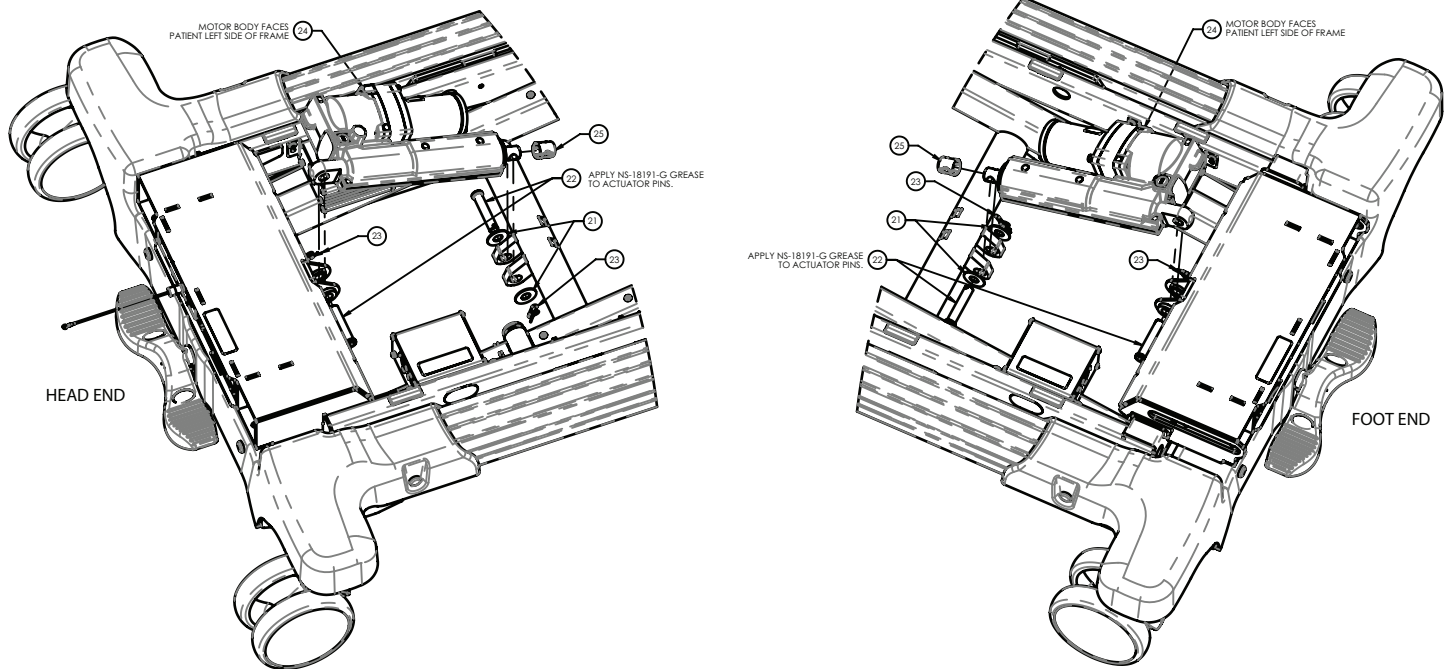


Figure 32 – Lift actuator replacement

Potentiometer - lift, head left or foot right replacement

Tools required:

- #2 Phillips screwdriver
- #2 Phillips stubby screwdriver
- Pick

Procedure:

1. Raise the Fowler to the highest height for head left, or raise the knee Gatch to the highest height for foot right.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Raise the head end siderails to the full up and locked position (for head left) or raise the foot end siderails to the full up and locked position (for foot right).
7. Use a pick to remove the round label (16) on top of the lift arm cap (Figure 33).
8. Using a #2 Phillips stubby screwdriver, remove and save the screw (19) that secures the cap to the lift arm (Figure 33).
9. Using a #2 Phillips screwdriver, remove and save the screw (19) that secures the p-clamp (18) and potentiometer cable to the lift arm (Figure 33).
10. Using a #2 Phillips screwdriver, remove and save the two screws (12) that secure the potentiometer (11) to the lift arm (Figure 33).
11. Pull the cable out of the lift arm tube and unplug and remove the potentiometer (11).
12. Remove and save the potentiometer gear (13) from the potentiometer (11) and discard the potentiometer (Figure 33).
13. Reverse steps to reinstall.
14. Calibrate angles, see *Calibrate angles* (page 25).
15. Verify proper operation before you return the product to service.

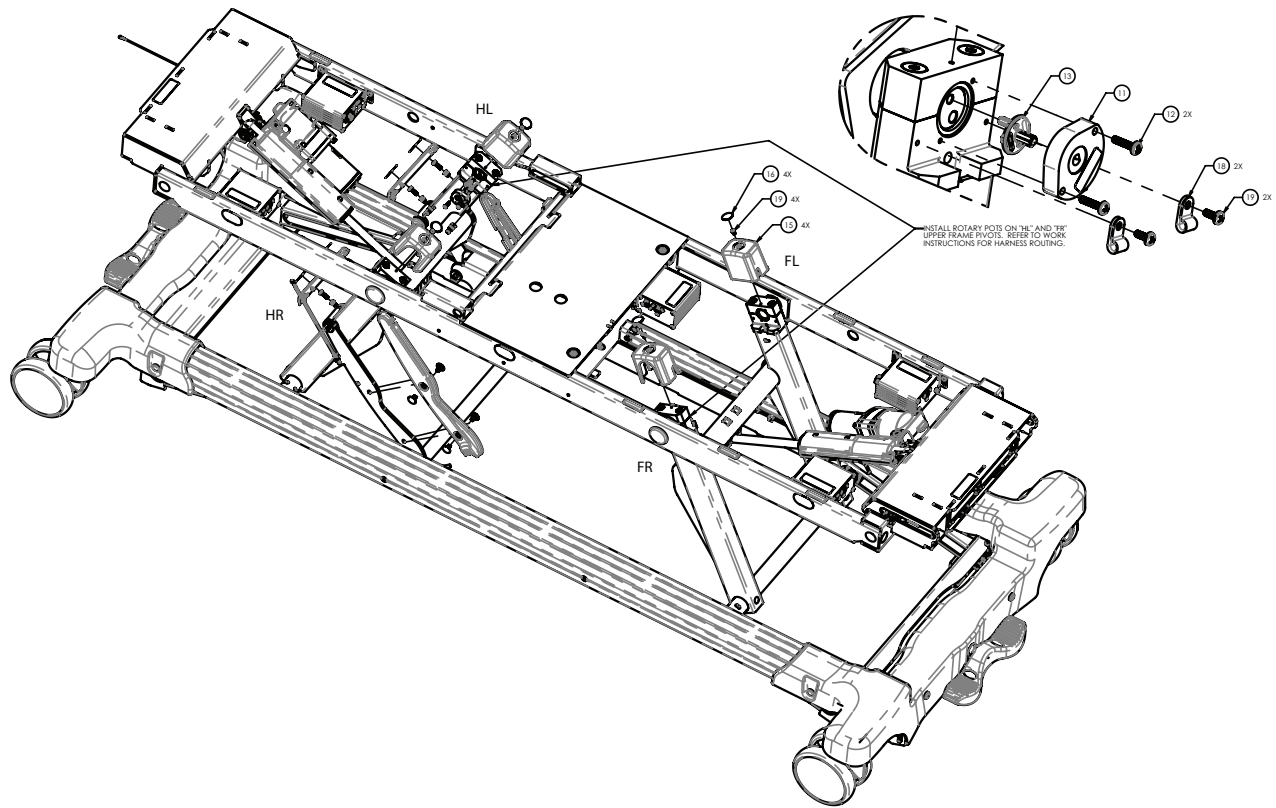


Figure 33 – Potentiometer replacement

Scale board, head end and foot end replacement

Note - When NAWI is enabled, the scale system must go through verification of conformity. This must be done by Stryker or another certified body before you return the product to service.

Tools required:

- #2 Phillips screwdriver
- Small flat head screwdriver
- ESD system

Procedure:

1. Push down on the brake pedal to apply the brake.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Using a small flat head screwdriver, remove and save the four caster cover screw caps (6) (Figure 34).

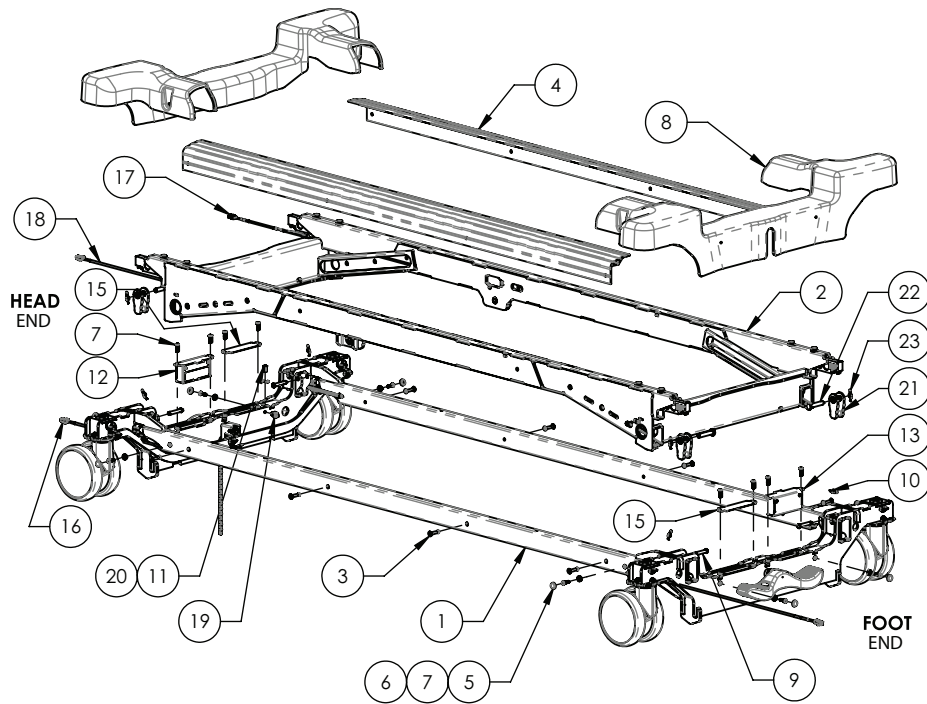


Figure 34 – Scale board replacement

6. Using a #2 Phillips screwdriver, remove and save the four screws (7) and washers (5) that secure the castor cover (8) to the base frame (Figure 34). Remove and save the castor cover.
7. Using a #2 Phillips screwdriver, remove and save the two screws (7) that secure the scale board assembly (12 (head end), 13 (foot end)) to the base weldment (Figure 35). Remove the scale board assembly.

CAUTION

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

8. Disconnect the communication cable and the two load cells from the scale board assembly (12 (head end), 13 (foot end)) (Figure 35). Discard the scale board assembly.
9. Reverse steps to reinstall.
10. Calibrate the scale system, see *Calibrate scale* (page 24).
11. Verify proper operation before you return the product to service.

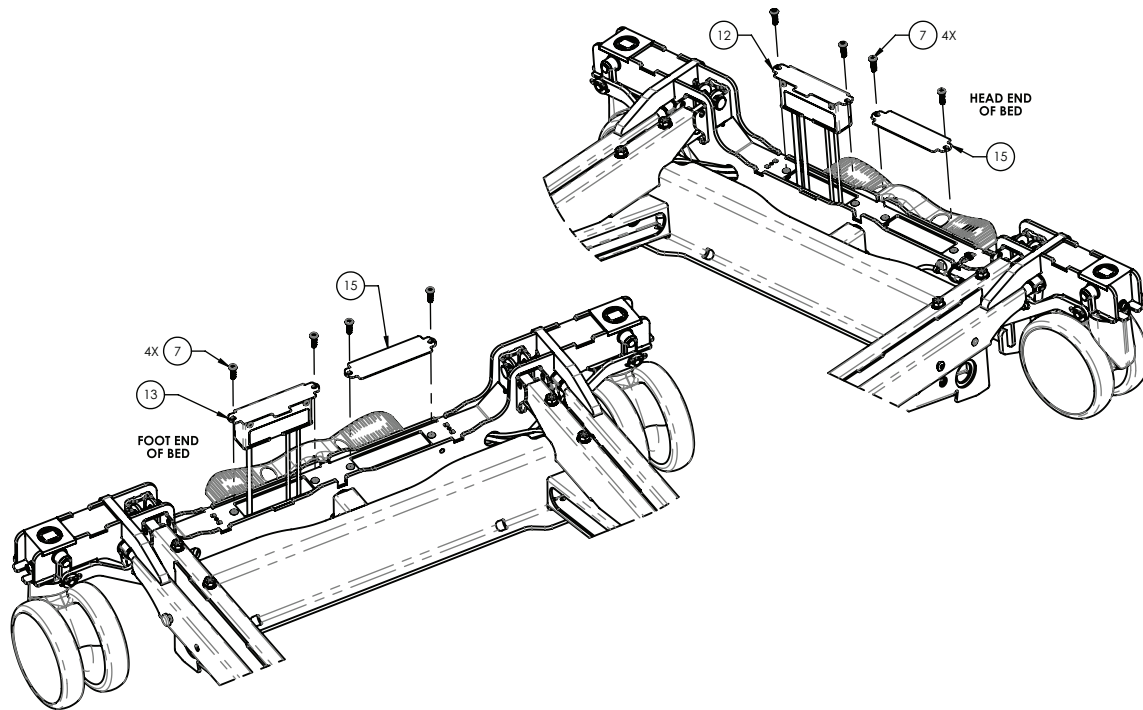


Figure 35 – Scale board replacement

Load cell assembly replacement

Note - When NAWI is enabled, the scale system must go through verification of conformity. This must be done by Stryker or another certified body before returning the product to service.

Tools required:

- #2 Phillips screwdriver
- Small flat head screwdriver
- Torque wrench (in-lb)
- Needle nose pliers
- Ratchet
- 1/2" socket
- Small floor jack
- Loctite® 242

Procedure:

1. Push down the brake pedal to apply the brake.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Using a small flat head screwdriver, remove and save the four caster cover screw caps (6) (Figure 36).

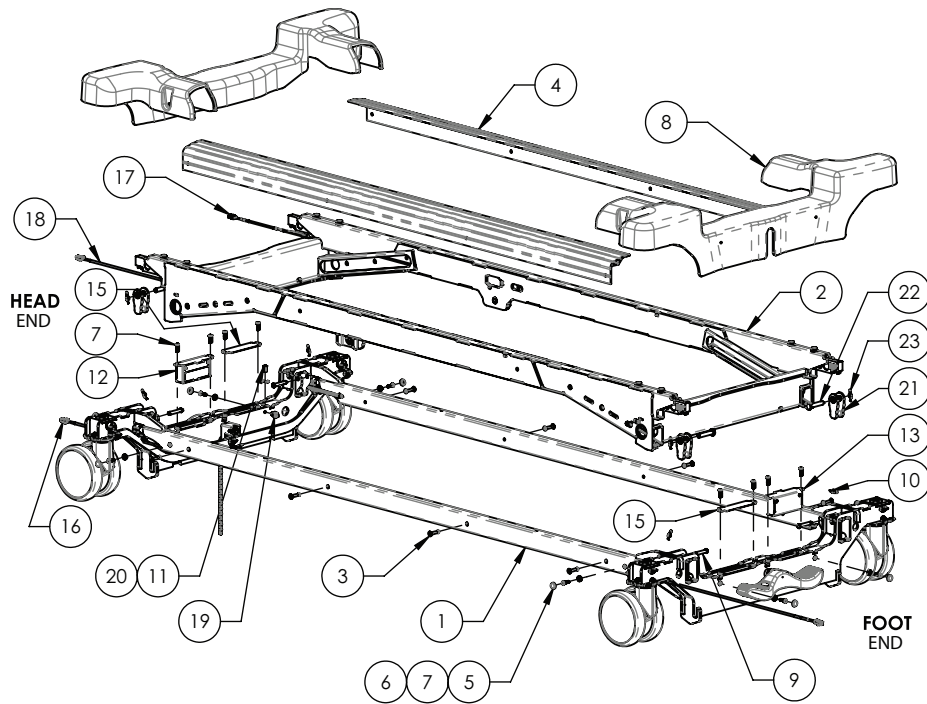


Figure 36 – Load cell assembly replacement

6. Using a #2 Phillips screwdriver, remove and save the four screws (7) and washers (5) that secure the caster cover (8) to the base frame weldment (Figure 36). Remove and save the caster cover.
7. Using a small floor jack, near the load cell (3) that you need to replace, raise the lift support tube upward until the weight is removed from the load cell (3) (Figure 37).
8. Using needle nose pliers, remove and save the rue clip (23) and pin (22) from the top of the load cell linkage (21) (Figure 36).
9. Using a ratchet and 1/2" socket, remove and save the two bolts (2) that secure the load cell assembly (3) to the base frame weldment (Figure 37).

Note

- When you reinstall the load cell assembly (3), orient the load cell assembly up, so you can secure the bolts by hand to start.
- When you reinstall, use **Loctite 242** on each bolt (2) and torque to 150-180 in-lb.

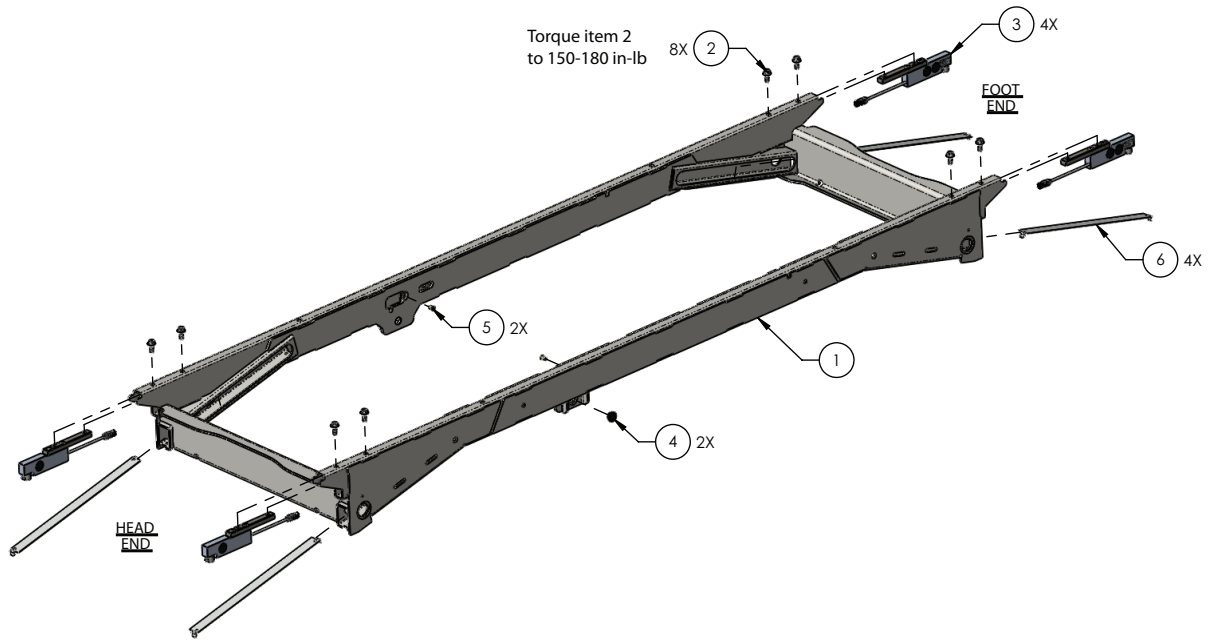


Figure 37 – Load cell assembly replacement

10. Using needle nose pliers, remove the load cell assembly (3) from the base frame weldment (Figure 37).
 11. Using a #2 Phillips screwdriver, remove and save the two screws (7) that secure the inspection cover (15) to the base frame weldment (Figure 36). Remove and save the inspection cover.
 12. Using a #2 Phillips screwdriver, remove and save the two screws (7) that secure the scale board assembly (12 (head end), 13 (foot end)) to the base frame weldment (Figure 36). Remove and save the scale board assembly.
 13. Disconnect the load cell assembly and remove the cable from the base frame weldment. Discard the load cell assembly.
- Note** - Note the routing of the load cell cable for reinstallation.
14. Reverse steps to reinstall.
 15. Calibrate the scale system, see *Calibrate scale* (page 24).
 16. Verify proper operation before you return the product to service.

Siderail, head end replacement

Tools required:

- T15 Torx driver
- T27 Torx driver
- Needle nose pliers
- Syn-Tech grease (3000-200-719)

Procedure:

1. Raise the product to the highest height position.
2. Raise the Fowler to the full upright position.
3. Unplug the power cord from the wall outlet.
4. On the footboard control panel, press **Enter** to access the **Settings** menu.
5. Highlight **Shutdown** and press **Enter**.

6. Push down on the brake pedal to apply the brake.
7. Expand all litter decks to the 48 in. position.
8. Raise the siderail to the up and locked position.
9. Using a T15 Torx driver, remove the two screws (22) that secure the junction board assembly (51) to the siderail carrier (1) (Figure 38). Remove the junction board assembly.

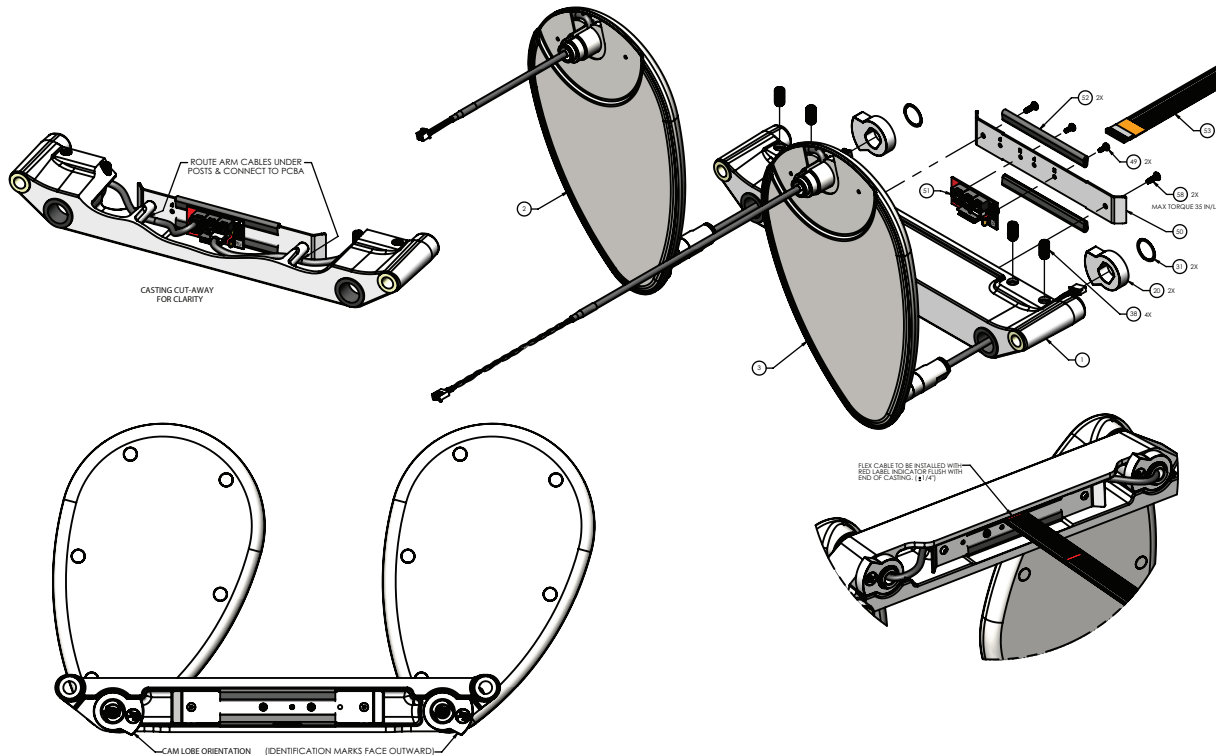


Figure 38 – Siderail replacement, head end

10. Unplug the two siderail cables from the junction board assembly (51).
11. Using a T27 Torx driver, remove the screw (30) and washer (29) that secures the guide rod to the litter (Figure 39).
12. Push the siderail release button to lower the siderail to the lowest stowed position.
13. Using needle nose pliers, from under the litter surface, slide each glide rod out.

Note - Save the two rubber washers (27) on each glide rod, one on both sides of the siderail carrier, to reinstall. Use Syn-Tech grease to lube the glide rod, if required.

14. While supporting the rail with one hand, remove both glide rods and remove the siderail assembly.
15. Reverse steps to reinstall.
16. Verify proper operation before you return the product to service.

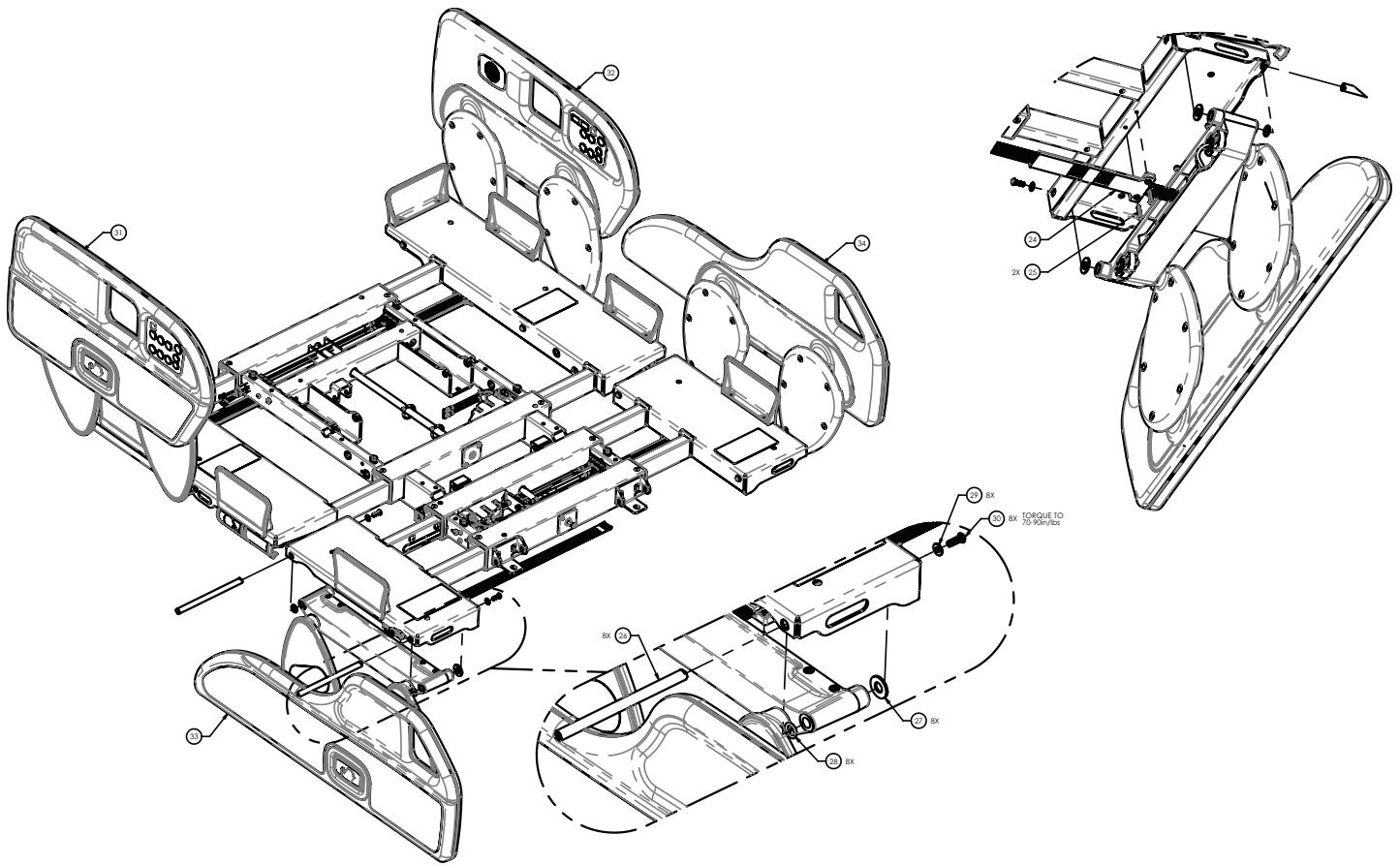


Figure 39 – Siderail replacement, head end

Head siderail outer membrane replacement

Tools required:

- #2 Phillips screwdriver
- Pick

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a pick, remove the outer membrane (46) from the siderail hoop (13) (Figure 40).
7. Using a #2 Phillips screwdriver, remove and save the two screws (41) that secure the membrane support plate (47) to the siderail assembly (Figure 40).
8. Disconnect the outer membrane (46) from the inner membrane control board and discard (Figure 40).
9. Reverse steps to reinstall.
10. Verify proper operation before you return the product to service.

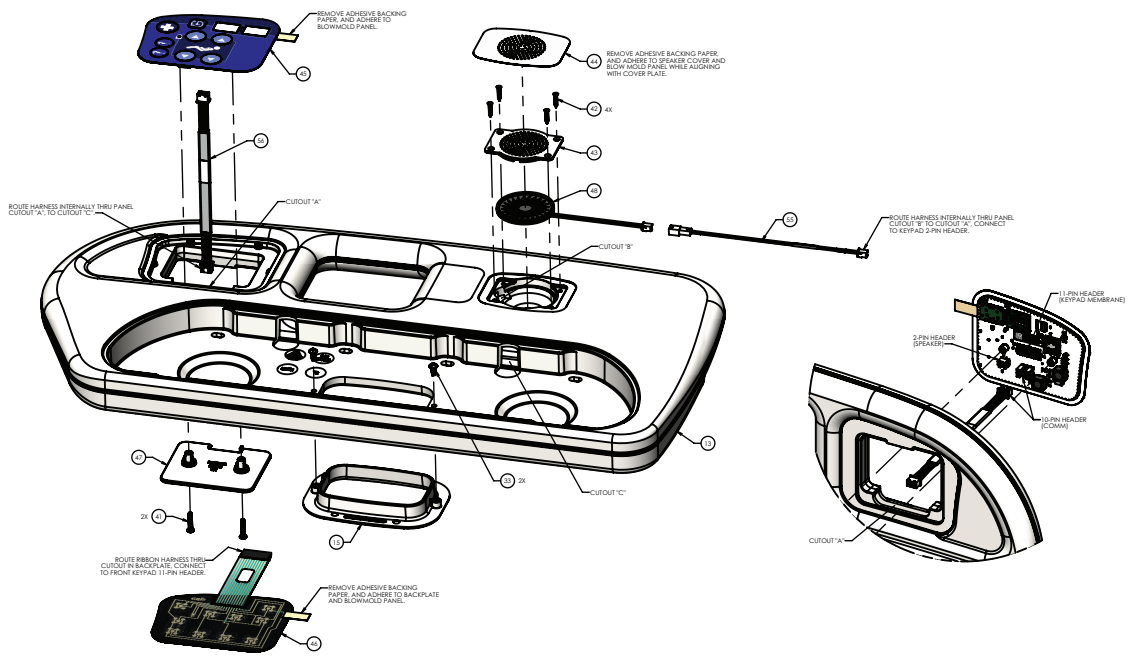


Figure 40 – Head siderail membrane replacement, patient right

Head siderail inner membrane replacement

Tools required:

- #2 Phillips screwdriver
- Pick
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a pick, remove the outer membrane (46) from the siderail hoop (13) (Figure 40).
7. Using a #2 Phillips screwdriver, remove and save the two screws (41) that secure the membrane support plate (47) to the siderail assembly (Figure 40).
8. Disconnect the outer membrane (46) from the inner membrane control board and discard (Figure 40).
9. Disconnect the two cables from the inner membrane control board.

CAUTION

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

10. Using a pick, remove the inner membrane (45) from the siderail hoop (13) and discard (Figure 40).

11. Reverse steps to reinstall.

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

Head siderail control board replacement

Tools required:

- #2 Phillips screwdriver
- 3/8" nut driver
- Pick
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a pick, remove and discard the outer siderail label (14) (Figure 41).

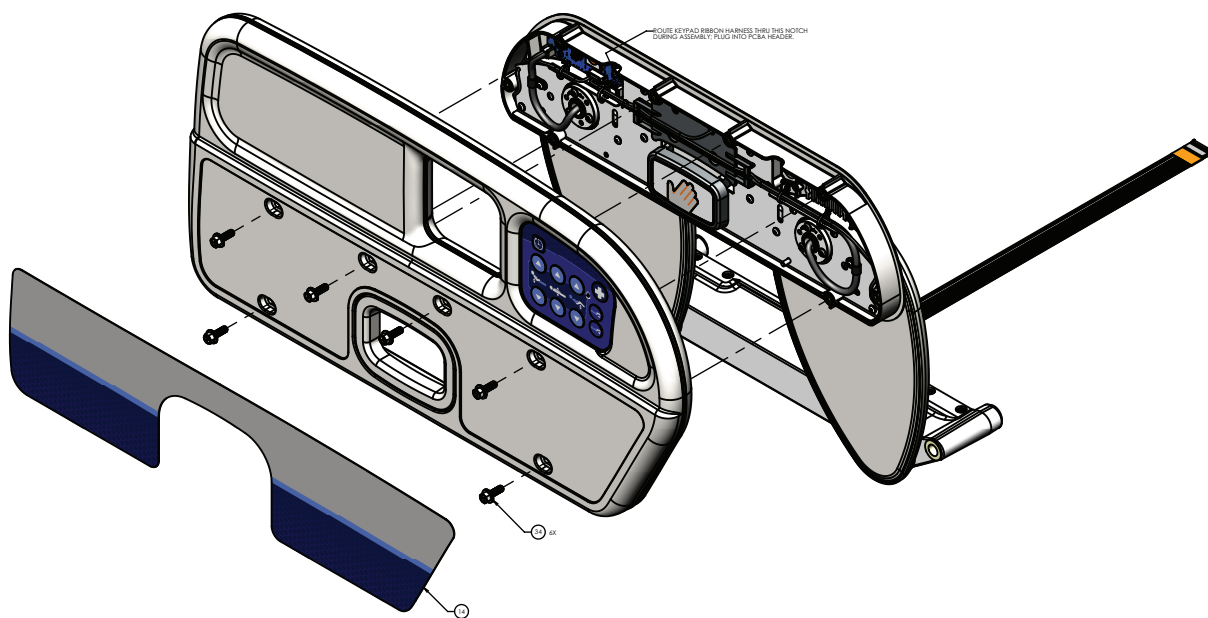


Figure 41 – Head siderail control board replacement

7. Using a 3/8" nut driver, remove and save the six bolts (34) that secure the siderail hoop (13) to the siderail assembly (Figure 41).
8. Loosen the siderail hoop (13) from the siderail assembly and disconnect the cable that connects the siderail hoop (13) to the siderail control board to remove and save the siderail hoop (13).
9. Disconnect the cables from the siderail control board.

CAUTION

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

10. Using a #2 Phillips screwdriver, remove and save the four screws (25) that secure the siderail control board (39) to the siderail assembly (Figure 42).
11. Remove and discard the siderail control board (39)
12. Reverse steps to reinstall.
13. Verify proper operation before you return the product to service.

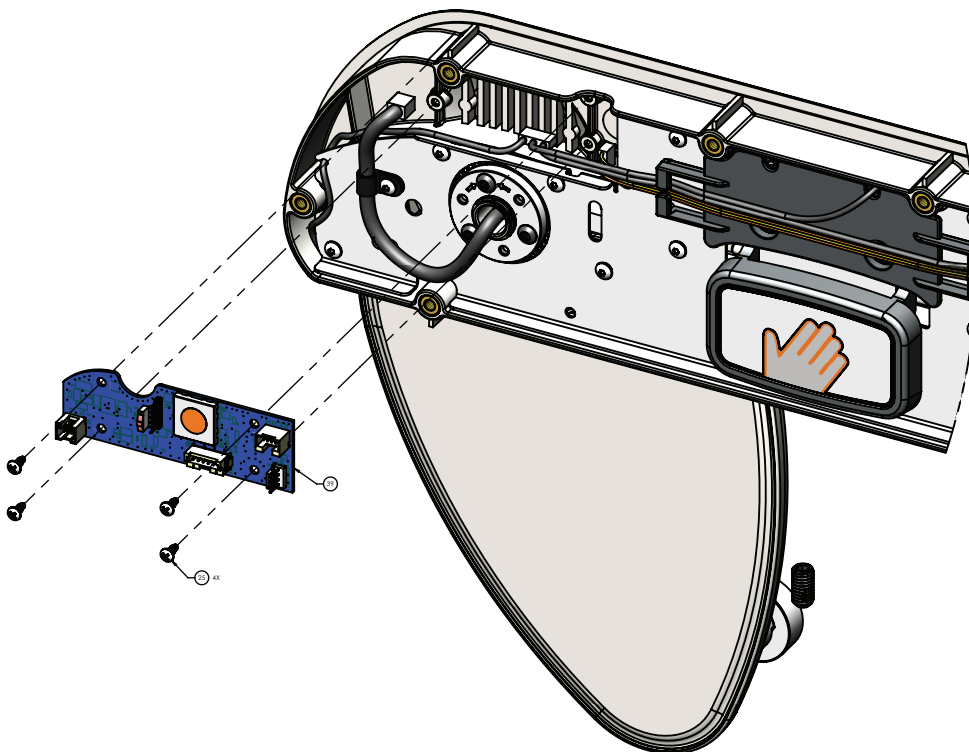


Figure 42 – Head siderail control board replacement, patient right

Head siderail hoop replacement

Tools required:

- #2 Phillips screwdriver
- 3/8" nut driver
- Pick

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a pick, remove and discard the outer siderail label (14) (Figure 40).
7. Using a pick, remove the outer membrane (46) from the siderail hoop (13) (Figure 40).
8. Using a #2 Phillips screwdriver, remove and save the two screws (41) that secure the membrane support plate (47) to the siderail assembly (Figure 40).

9. Disconnect the outer membrane (46) from the inner membrane control board and discard (Figure 40).
10. Disconnect the two cables from the inner membrane control board.
11. Using a pick, remove the inner membrane (45) from the siderail hoop (13) and discard (Figure 40).
12. Using a 3/8" nut driver, remove and save the six bolts (34) that secure the siderail hoop (13) to the siderail assembly (Figure 40).
13. Discard the siderail hoop (13).
14. Reverse steps to reinstall.
15. Verify proper operation before you return the product to service.

Siderail, foot end replacement

Tools required:

- T15 Torx driver
- T27 Torx driver
- Needle nose pliers
- Syn-Tech grease (3000-200-719)

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Expand all litter decks to the 48 in. position.
7. Raise the siderail to the up and locked position.
8. Using a T15 Torx driver, remove the two screws (22) that secure the junction board assembly (44) to the siderail carrier (1) (Figure 43). Remove the junction board assembly.
9. Unplug the two siderail cables from the junction board assembly (44).
10. Using a T27 Torx driver, remove the screw (30) and washer (29) that secures the guide rod to the litter (Figure 43).
11. Push the siderail release button to lower the siderail to the lowest stowed position.
12. Using needle nose pliers, from under the litter surface, slide each glide rod out.

Note - Save the two rubber washers (27) on each glide rod, one on both sides of the siderail carrier, to reinstall. Use Syn-Tech grease to lube the glide rod, if required.
13. While supporting the rail with one hand, remove both glide rods and remove the siderail assembly.
14. Reverse steps to reinstall.
15. Verify proper operation before you return the product to service.

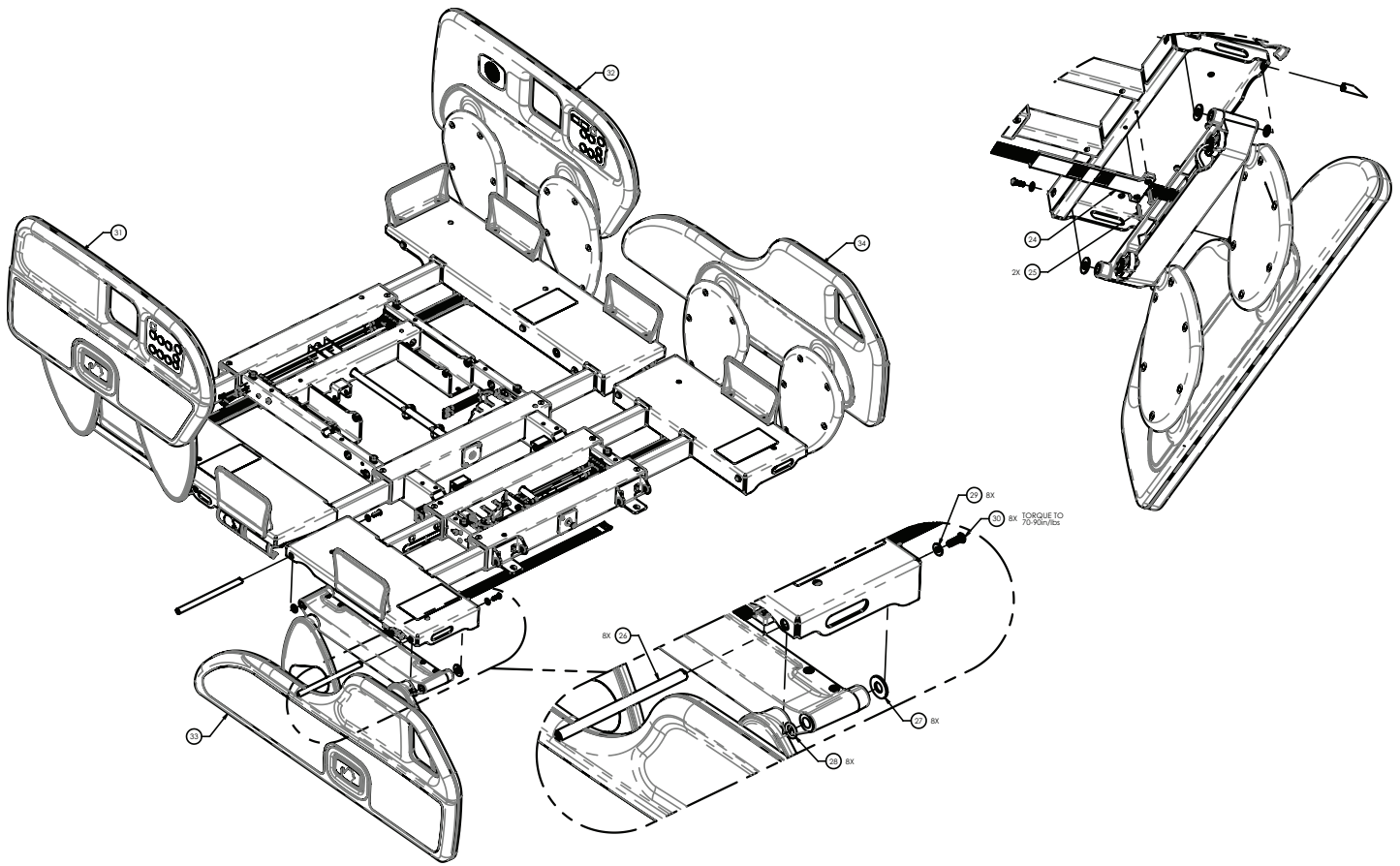


Figure 43 – Siderail replacement, foot end

Foot siderail control board replacement

Tools required:

- #2 Phillips screwdriver
- 3/8" nut driver
- Pick
- ESD system

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a pick, remove and discard the outer siderail label (14) (Figure 44).

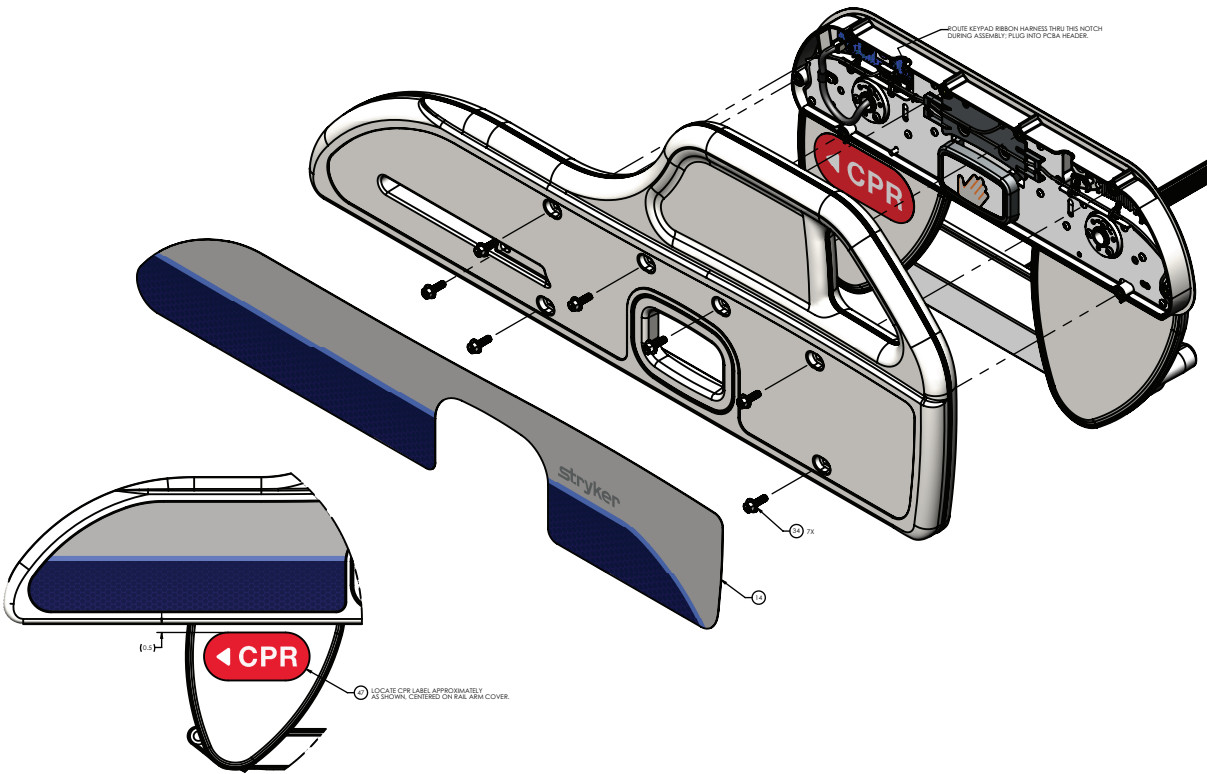


Figure 44 – Foot siderail control board replacement, patient right

7. Using a 3/8" nut driver, remove and save the seven bolts (34) that secure the siderail hoop to the siderail assembly (Figure 44).
8. Remove and save the siderail hoop.
9. Disconnect the cables from the siderail control board.

CAUTION

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

10. Using a #2 Phillips screwdriver, remove and save the four screws (25) that secure the siderail control board (39) to the siderail assembly (Figure 45).
11. Reverse steps to reinstall.
12. Verify proper operation before you return the product to service.

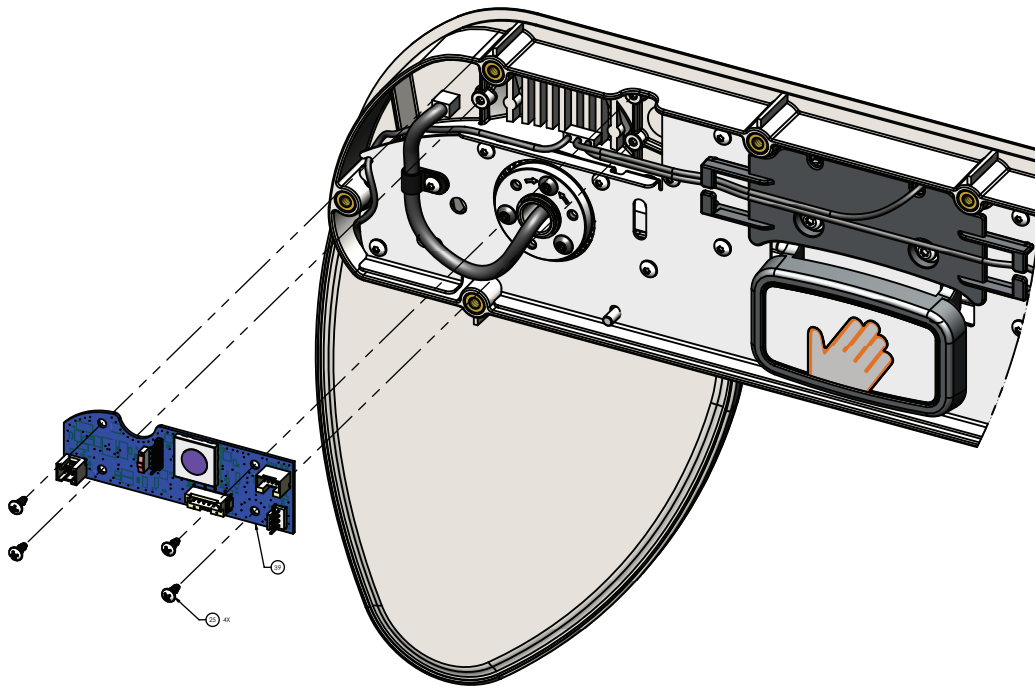


Figure 45 – Foot siderail control board replacement, patient right

Foot siderail hoop replacement

Tools required:

- 3/8" nut driver
- Pick

Procedure:

1. Raise the product to the highest height position.
2. Unplug the power cord from the wall outlet.
3. On the footboard control panel, press **Enter** to access the **Settings** menu.
4. Highlight **Shutdown** and press **Enter**.
5. Push down on the brake pedal to apply the brake.
6. Using a pick, remove and discard the outer siderail label (14) (Figure 44).
7. Using a 3/8" nut driver, remove and save the seven bolts (34) that secure the siderail hoop to the siderail assembly (Figure 44).
8. Reverse steps to reinstall.
9. Verify proper operation before you return the product to service.

IV pole attachment

Tools required:

- 3/8" ratchet
- 3/16" hex driver
- 1/2" socket

Procedure:

1. Using a 3/16" hex driver, remove and save the power cord retainer shoulder bolt and strap on both sides of the product.
2. Using a 1/2" socket, secure the bracket with the IV pole assembly to the left side of the product with the two supplied bolts and washers.
3. Using a 1/2" socket, secure the bracket with the rest block to the right side of the product with the two supplied bolts and washers.
4. Using a 3/16" hex driver, secure the power cord retainer shoulder bolt and strap on both sides of the product through both brackets.
5. Verify proper operation before you return the product to service.

Patient helper attachment

Tools required:

- 3/8" ratchet
- 3/8" hex driver
- 3/16" hex key

Procedure:

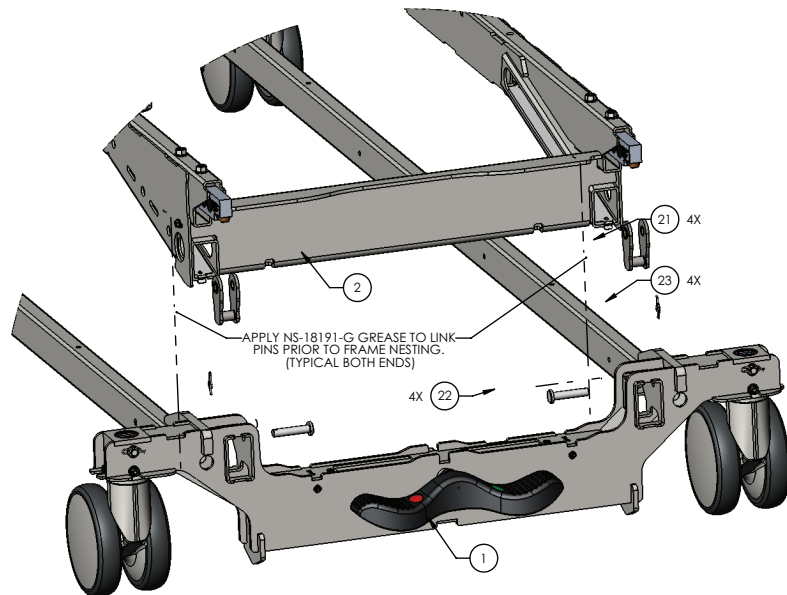
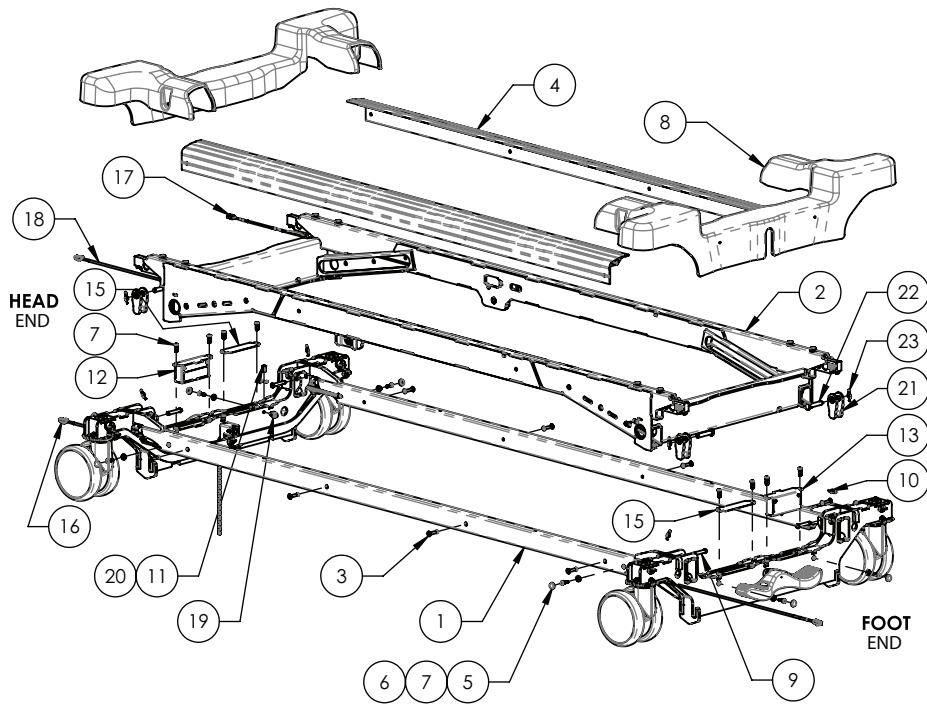
1. Using a 3/8" hex driver, attach the patient helper mounting bracket with the four supplied screws.

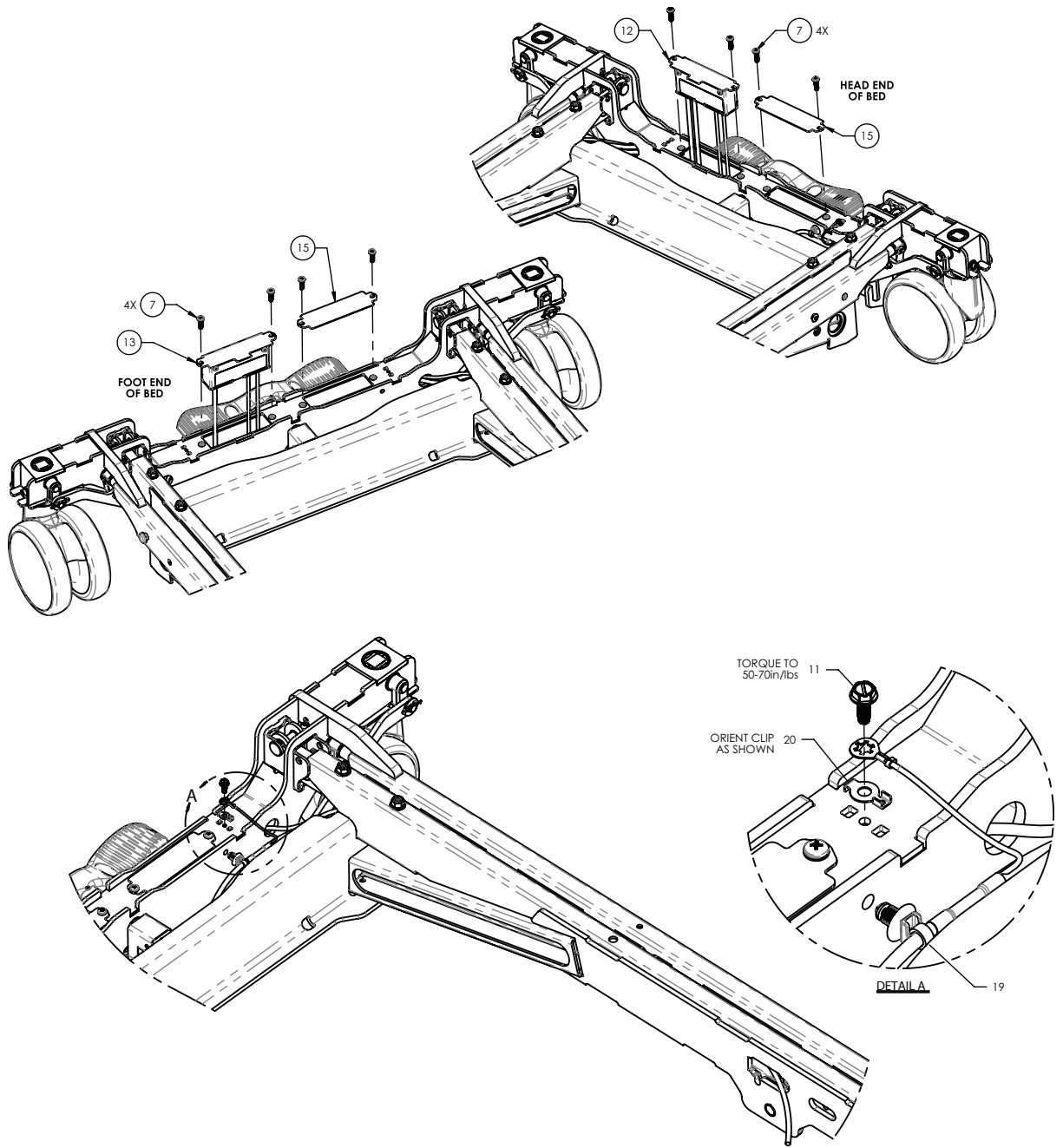
Note - Make sure that the armrest pin faces upward.

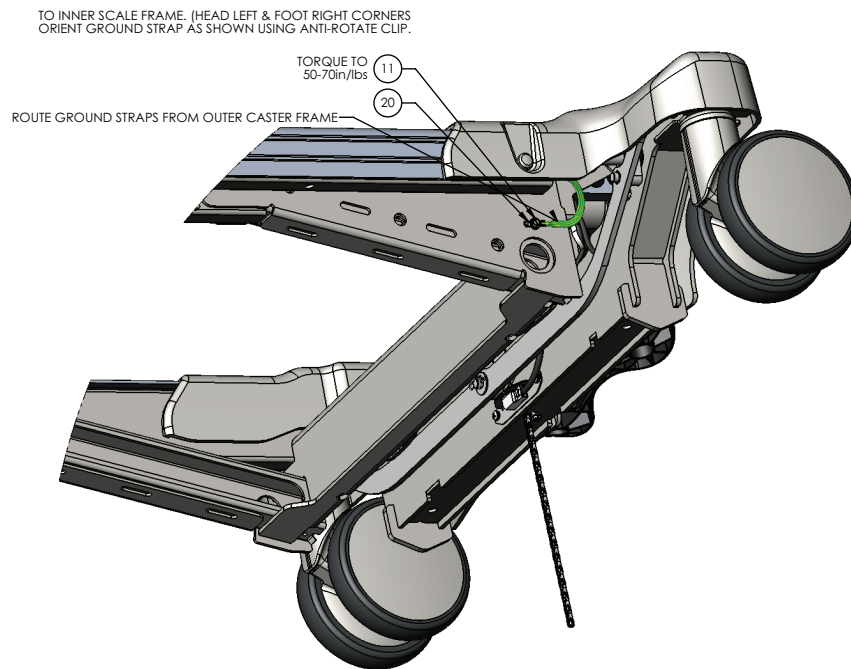
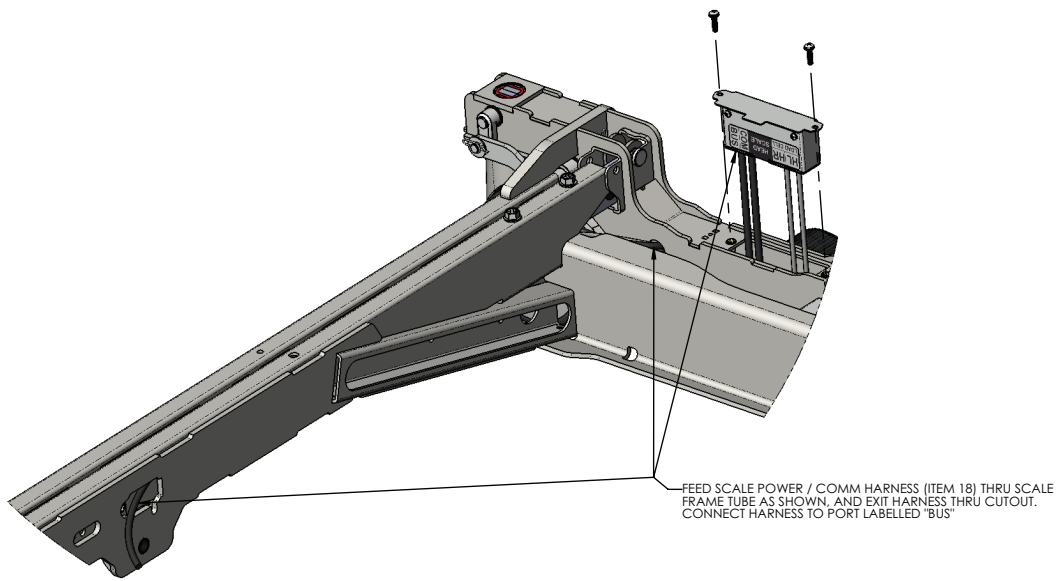
2. On the floor, place the patient helper lifting pole, patient helper cap, and patient helper trapeze hanger together.
3. Using a 3/16" hex key, secure the patient helper lifting pole, patient helper cap, and trapeze hanger together with the supplied bolt.
4. With another person, lift and insert the patient helper assembly into the patient helper mounting bracket.
5. Verify proper operation before you return the product to service.

HILO frame assembly

5900200180 Rev B (Reference only)





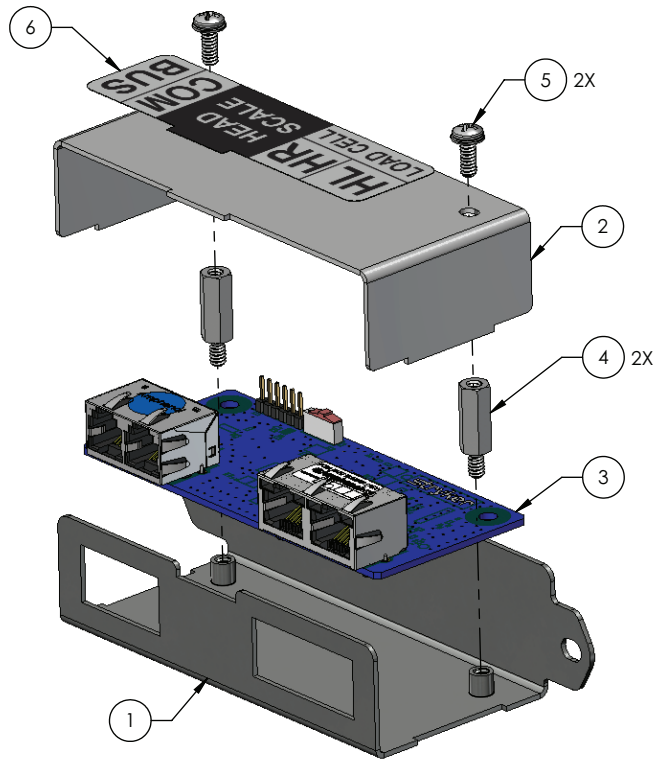


| Item | Number | Name | Quantity |
|------|------------|----------------------------------|----------|
| 1 | 5900200182 | Caster frame assembly (page 84) | 1 |
| 2 | 5900200181 | Scale frame assembly (page 88) | 1 |
| 3 | 5900370089 | Domed rivet | 8 |
| 4 | 5900580005 | Extrusion, lower frame side rail | 2 |
| 5 | 5900350017 | Snap-cap cover | 8 |
| 6 | 5900350003 | Snap-cap washer | 8 |
| 7 | 5900340090 | Pan screw | 16 |
| 8 | 5900640006 | Caster cover | 2 |

| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 9 | 5900350033 | Clevis pin | 4 |
| 10 | 0027-019-000 | Rue ring | 4 |
| 11 | 5900340079 | Hex washer head screw | 3 |
| 12 | 5900280039 | <i>IOM scale-head electrical assembly - 5900280039 (page 82)</i> | 1 |
| 13 | 5900280040 | <i>IOM scale-foot electrical assembly - 5900280040 (page 83)</i> | 1 |
| 15 | 5900520201P | Plate, caster bracket access cover-plated | 2 |
| 16 | 5900430133 | Harness, scale interconnect | 1 |
| 17 | 5900430161 | Harness, brake-steer detect (lower) | 1 |
| 18 | 5900430162 | Harness, scale pwr-comm (lower) | 1 |
| 19 | 5900350041 | Cable tie | 1 |
| 20 | 5900520247 | Ground strap clip | 3 |
| 21 | 5900200188 | Load cell linkage assembly with bushings | 4 |
| 22 | 5900350035 | Clevis pin | 4 |
| 23 | 0027-022-000 | Rue ring | 4 |

IOM scale-head electrical assembly - 5900280039

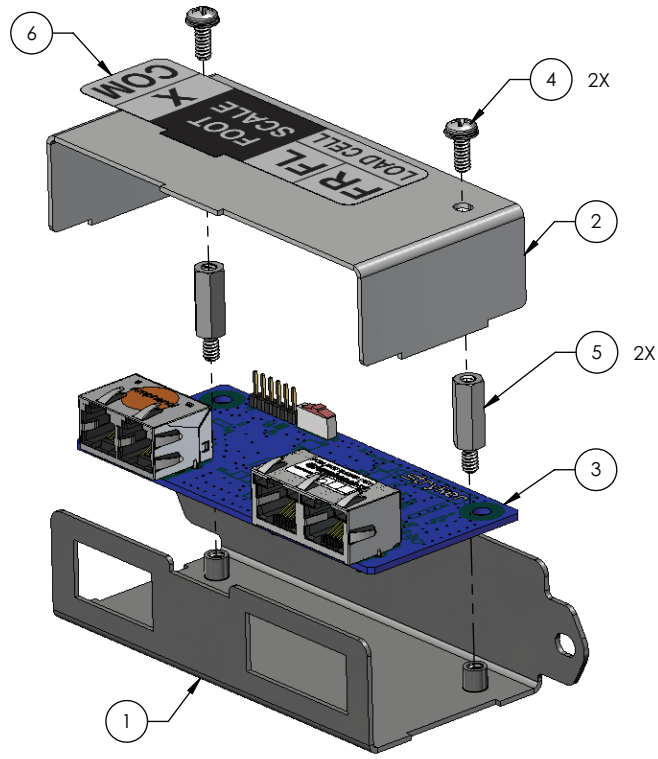
Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900520181P | Bracket, smb backplate plated | 1 |
| 2 | 5900520219P | Plate, smb backplate cover plated | 1 |
| 3 | 590040003501 | PCBA, IOM smb - head | 1 |
| 4 | 5900370090 | Standoff, thr hex m-f 0.25 x 0.625 #6-unc zinc | 2 |
| 5 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 2 |
| 6 | 5900690068 | Label, scale communication box, head end | 1 |

IOM scale-foot electrical assembly - 5900280040

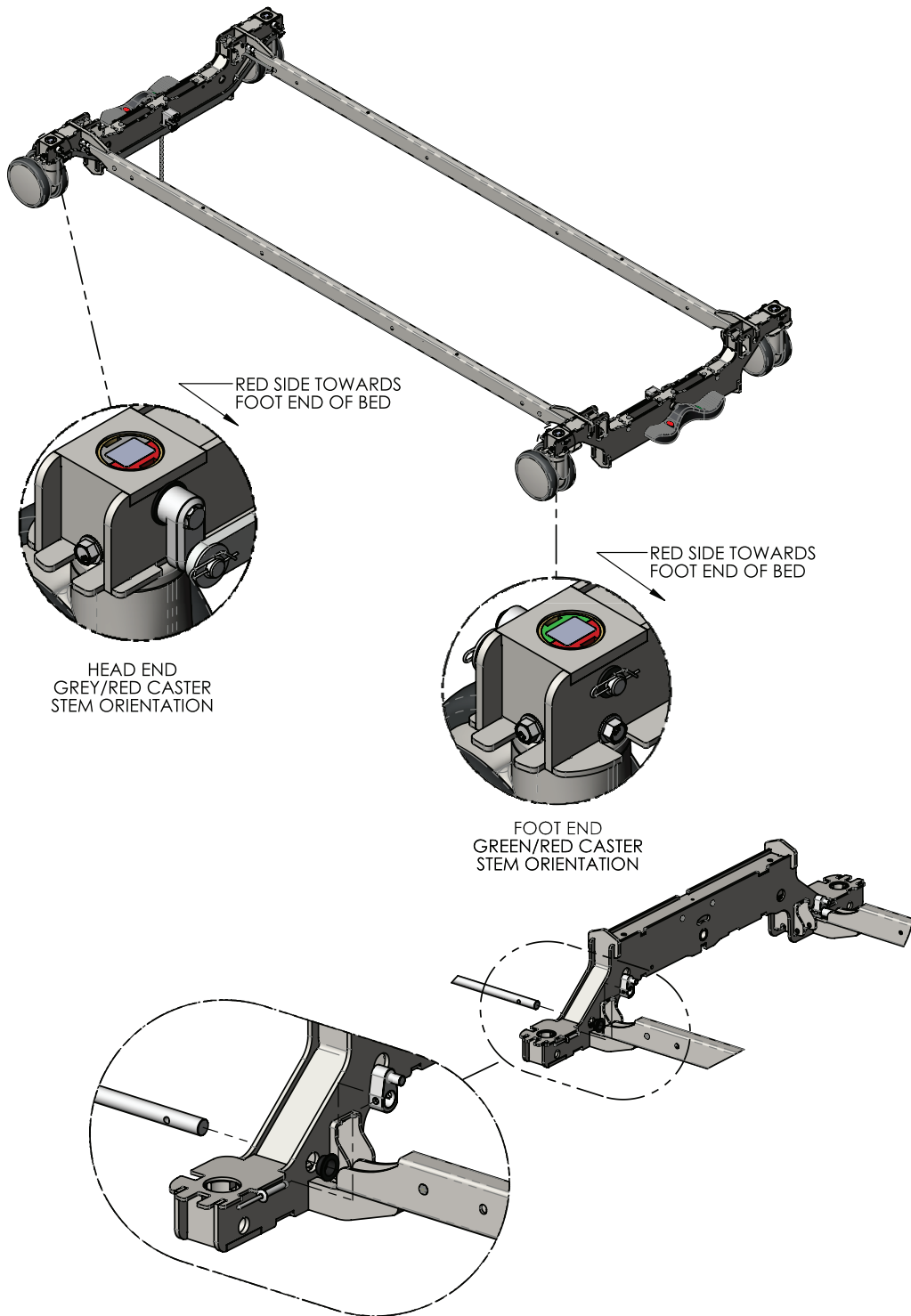
Rev A (Reference only)



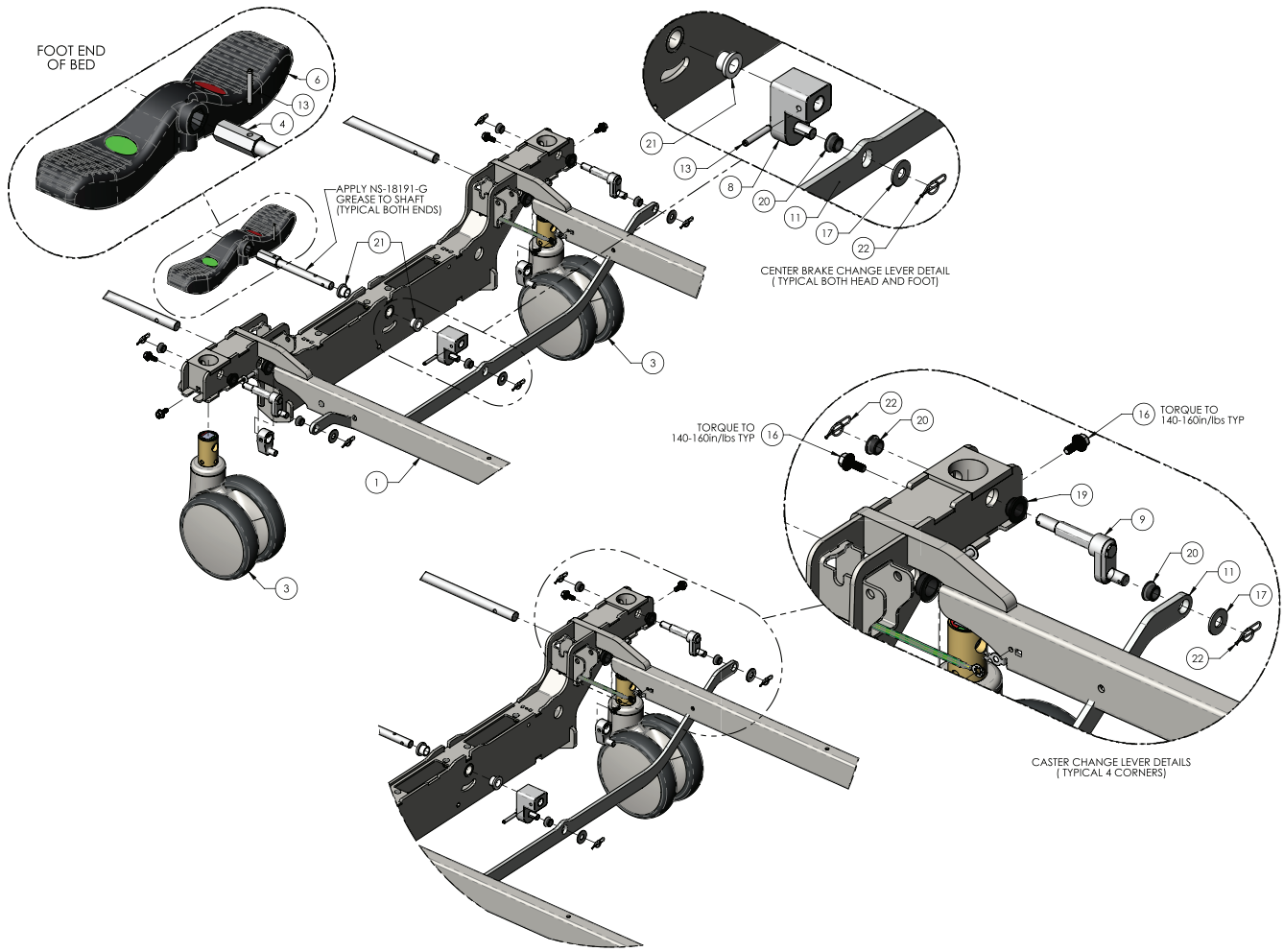
| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900520181P | Bracket, smb backplate plated | 1 |
| 2 | 5900520219P | Plate, smb backplate cover plated | 1 |
| 3 | 590040003502 | PCBA, IOM smb - foot | 1 |
| 4 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 2 |
| 5 | 5900370090 | Standoff, thr hex m-f 0.25 x 0.625 #6-unc zinc | 2 |
| 6 | 5900690067 | Label, scale communication box, foot end | 1 |

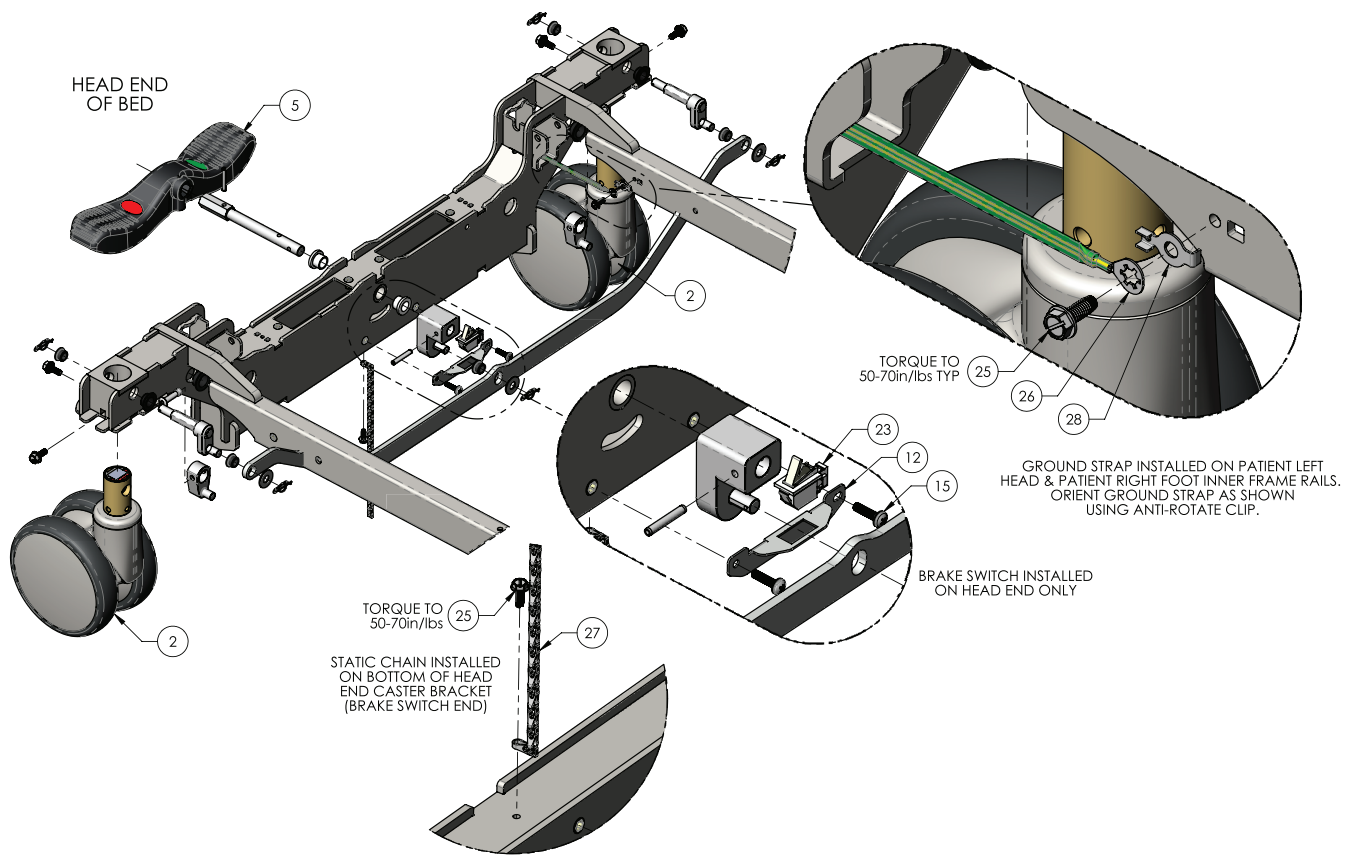
Caster frame assembly

5900200182 Rev B (Reference only)



INSTALL BRAKE TORSION RODS AS SHOWN THRU BUSHINGS AND CAM LEVER
INSTALL RIVET TO SECURE ROD TO LEVER. (TYPICAL BOTH ENDS, LEFT AND RIGHT FRAME RAILS)



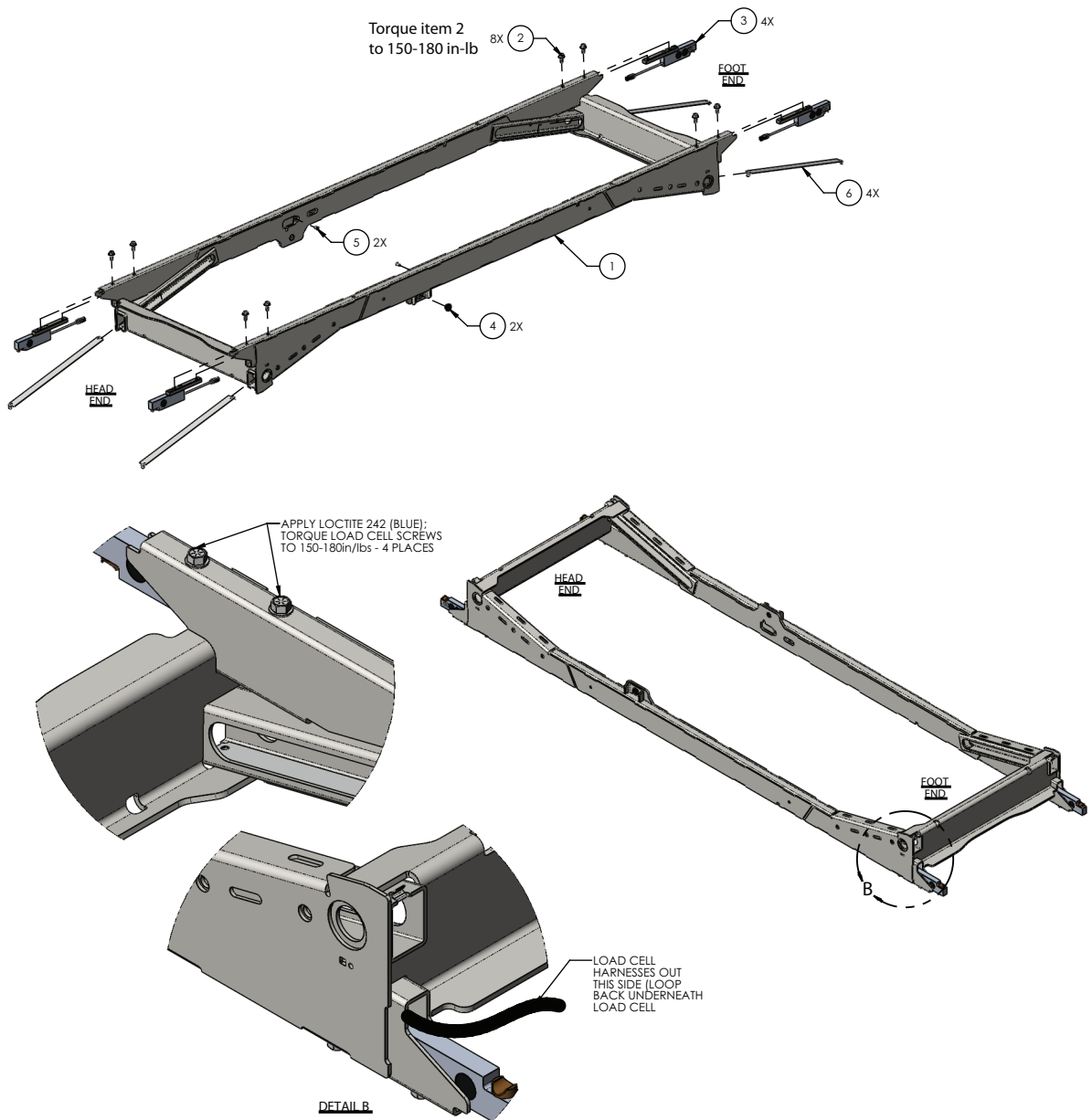


| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900200183 | Frame weldment, caster frame with inserts – gen 3 | 1 |
| 2 | 5900360004 | Caster, 558X twin wheel, head, Ø6", white | 2 |
| 3 | 5900360005 | Caster, 559X twin wheel, foot, Ø6", white | 2 |
| 4 | 5900500168P | Shaft, composite brake pedal head plated | 2 |
| 5 | 5900200045 | Brake pedal-composite assembly w/ labels-head | 1 |
| 6 | 5900200161 | Brake pedal-composite assembly w/ labels-foot | 1 |
| 7 | 5900560024 | Lever, brake rod linkage | 4 |
| 8 | 5900560025 | Foot pedal change lever – S1 gen 2 | 2 |
| 9 | 5900560026 | Lever, caster change | 4 |
| 10 | 5900500124 | Brake transfer rod, 5/8" – Spirit one | 2 |
| 11 | 5900540229 | Linkage, brake connecting – S1 | 2 |
| 12 | 5900520180P | Bracket, brake switch – S1 plated | 1 |
| 13 | 0026-012-000 | Pin, spring 3/16" x 1.25"LG blk ox | 4 |
| 15 | 5900340090 | Screw, sems pan ph #10-32UNF x 3/4LG int wash zinc | 2 |
| 16 | 5900340121 | Screw, serrated hex FLG M6 x 16mm lg zinc | 8 |
| 17 | 5900320027 | Washer, flat 3/8 x 7/8 x 0.063 nylon | 6 |
| 18 | 5900330014 | Bushing, FLG 0.625x0.750x0.375LG (FLG 1.000x0.062) | 4 |

| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 19 | 5900330020 | Bushing, FLG 0.500x0.625x0.313LG (FLG 0.875x0.062) | 4 |
| 20 | 5900330003 | Bushing, FLG 0.375x0.500x0.313LG (FLG 0.625x0.062) | 14 |
| 21 | 5900330022 | Bushing, FLG 0.510x0.633x0.500LG (FLG 0.875x0.125) | 4 |
| 22 | 0027-022-000 | Rue ring, 3/8" | 10 |
| 23 | 5900410030 | Switch, SPDT-N/O-N/C omron D3D-211 | 1 |
| 24 | 5900370089 | Rivet, 1/4 x 1" domed zinc plated steel | 4 |
| 25 | 5900340079 | Screw, #10-32 x 1/2LG hex washer head elec ground | 3 |
| 26 | 5900430150 | HRNS, GND braid E | 2 |
| 27 | 3001-200-052 | Chain, sash #8 zinc steel-static ground | 1 |
| 28 | 5900520247 | Clip, ground strap anti rotate ring | 2 |

Scale frame assembly

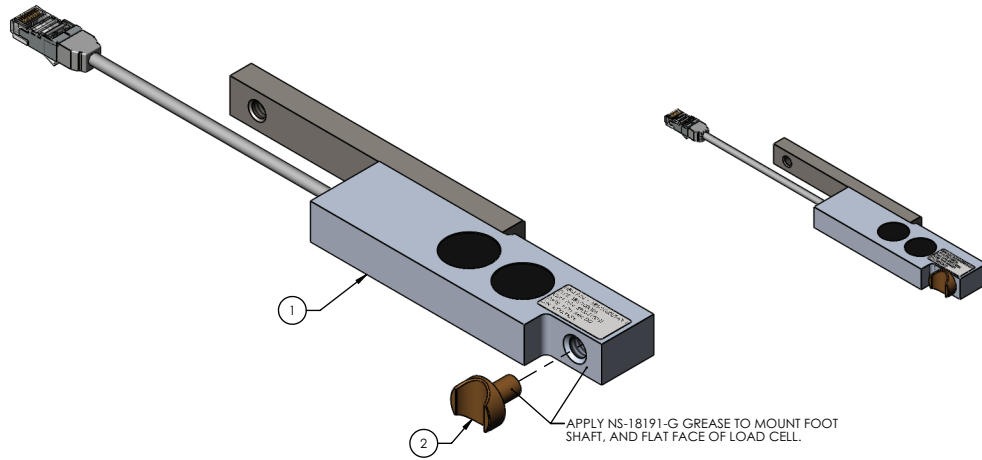
5900200181 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900240100 | Weldment, lower inner frame | 1 |
| 2 | 5900340092 | Screw, serrated hex flg 5/16-UNC x 0.75LG zinc | 8 |
| 3 | 5900280028 | Load cell sensor assembly - 5900280028 (page 89) | 4 |
| 4 | 5900330020 | Bushing, flg 0.500X0.625X0.313LG (FLG 0.875X0.062) | 2 |
| 5 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 2 |
| 6 | 5900520226 | Wear strip, HILO lift slide | 4 |

Load cell sensor assembly - 5900280028

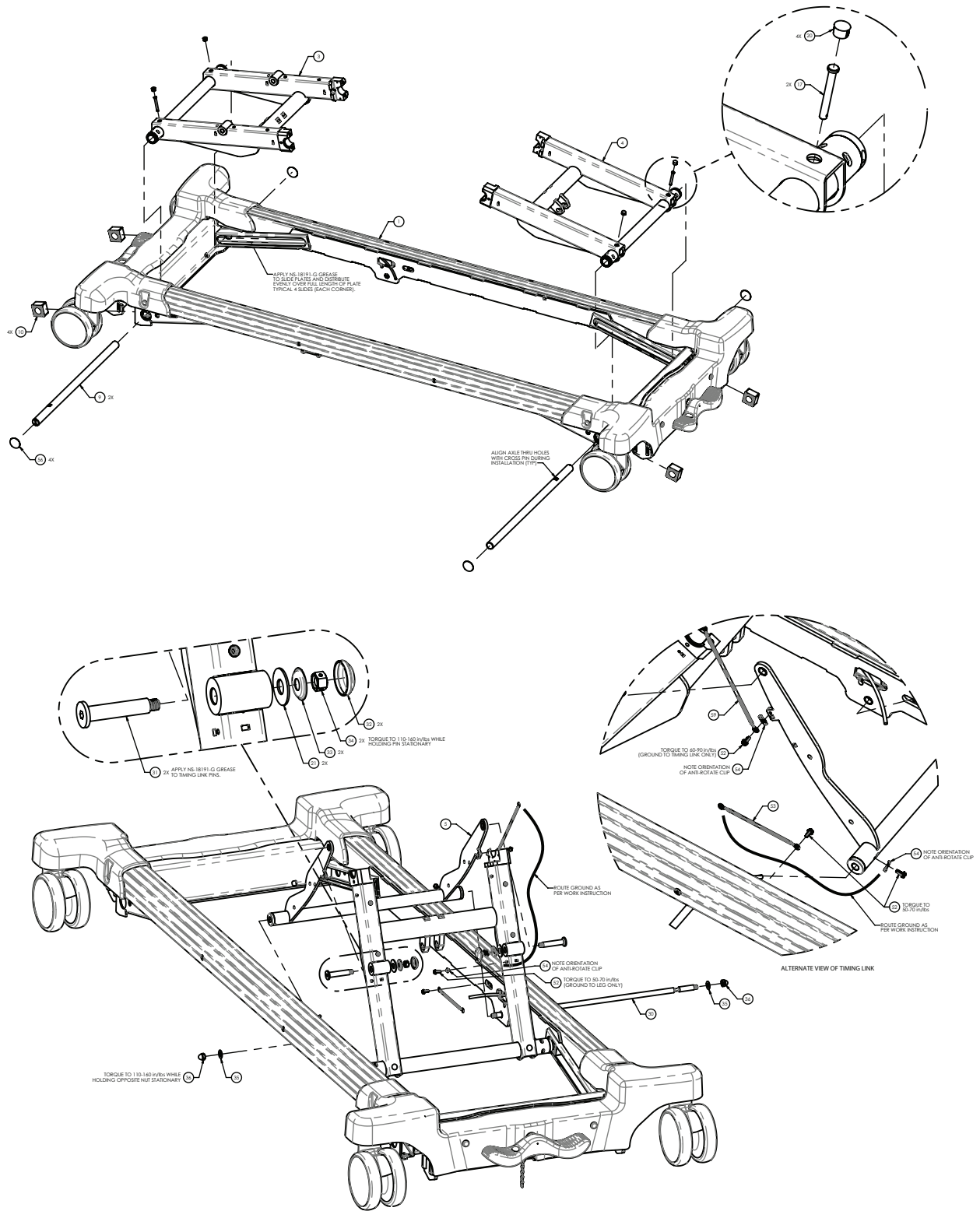
Rev A (Reference only)

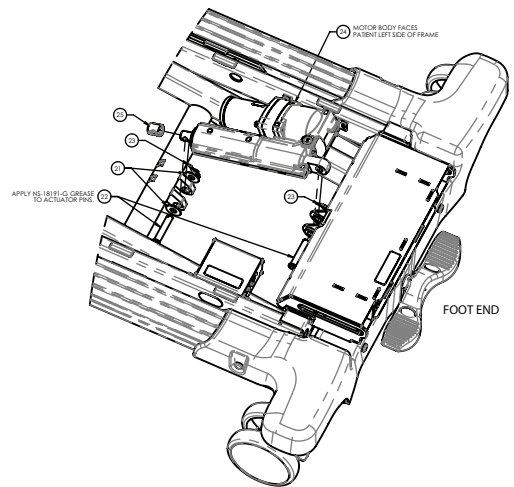
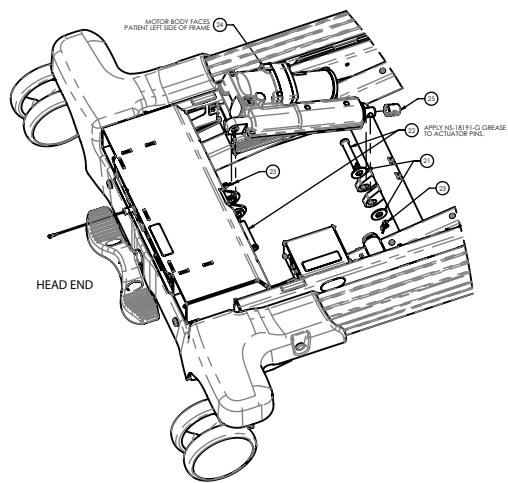
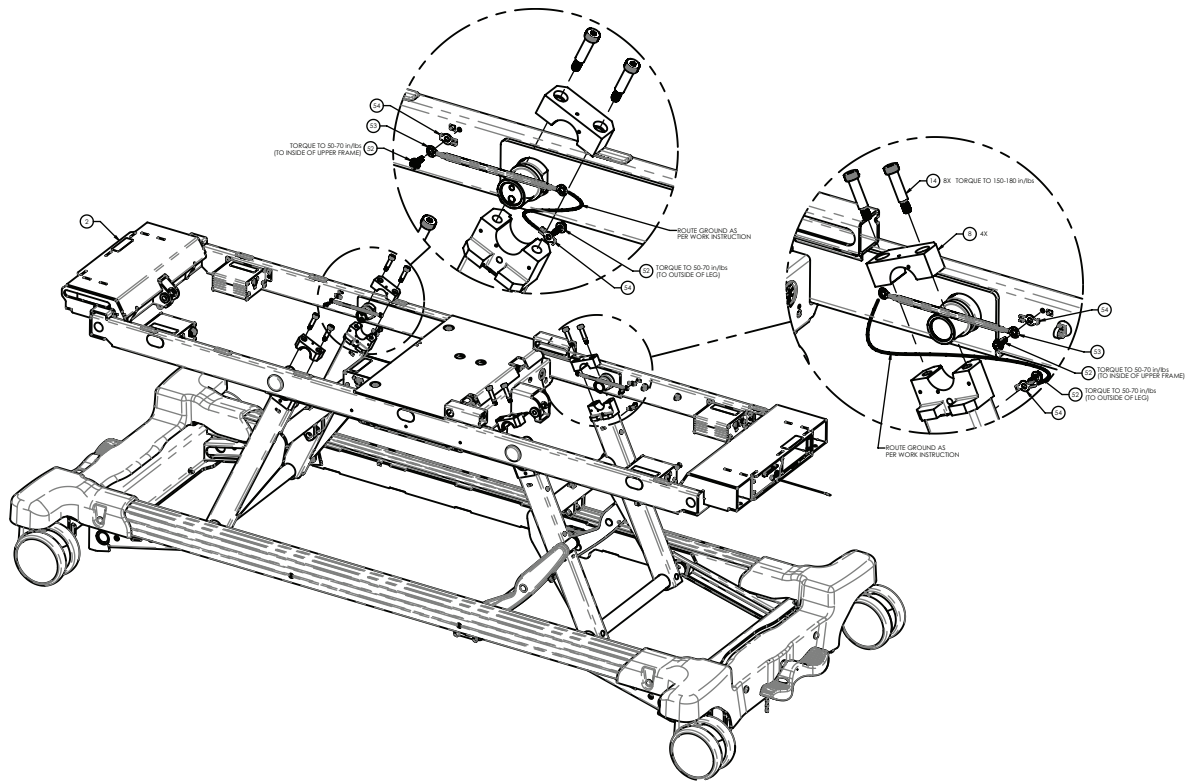


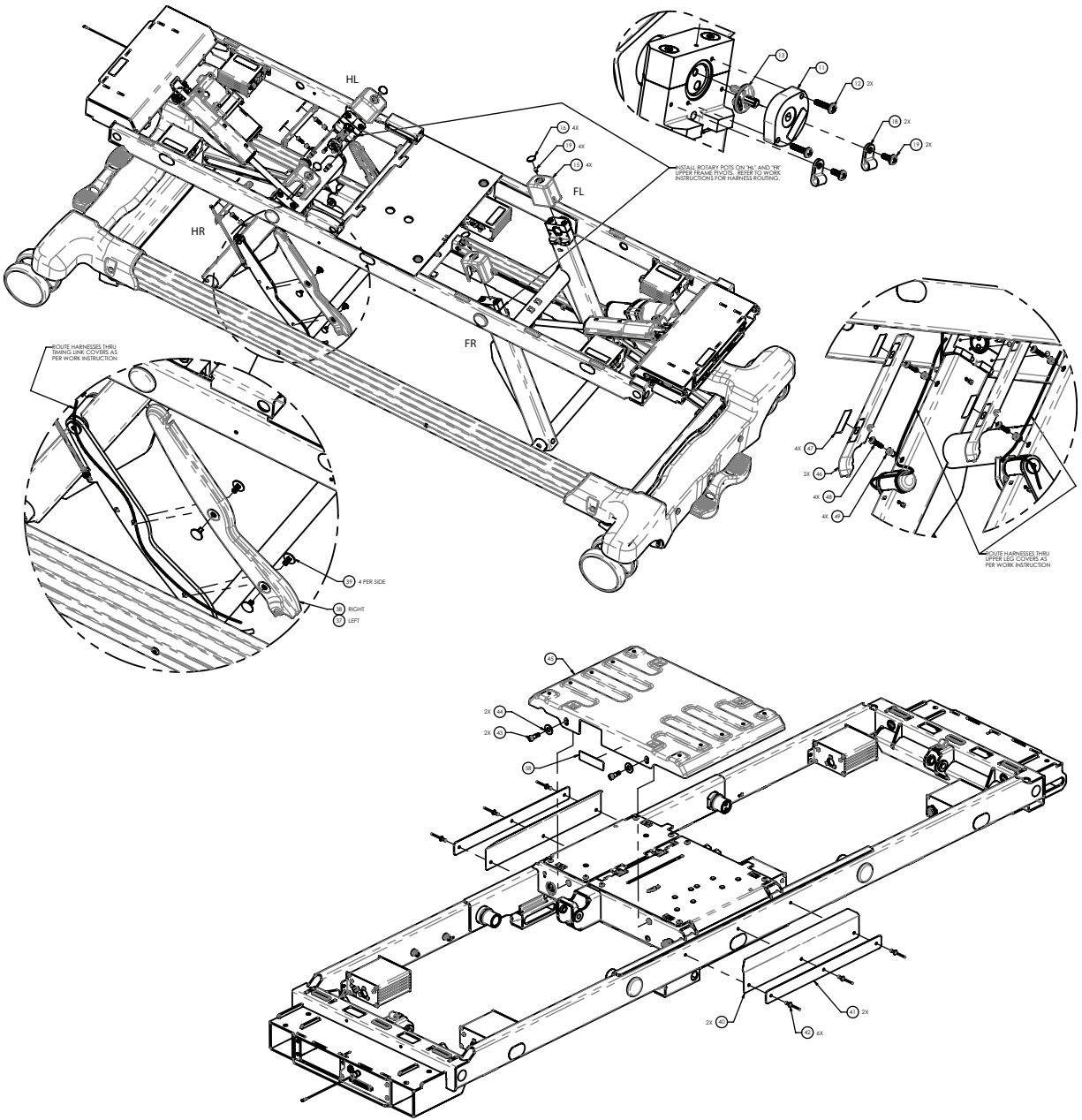
| Item | Number | Name | Quantity |
|------|------------|-------------------------|----------|
| 1 | 5900410031 | Sensor, load cell K-SBS | 1 |
| 2 | 5900500175 | Load cell mount foot | 1 |

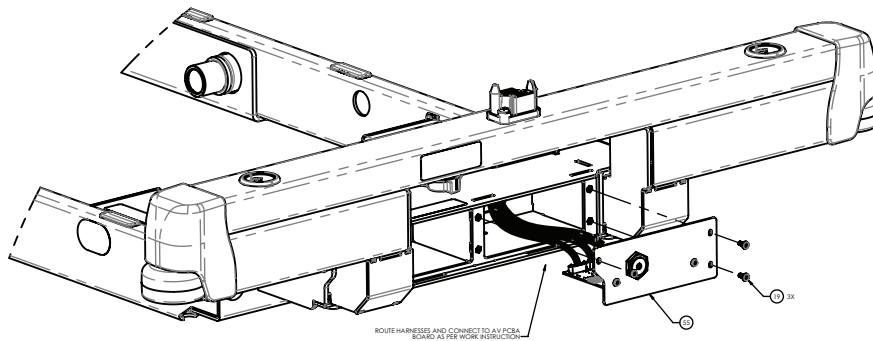
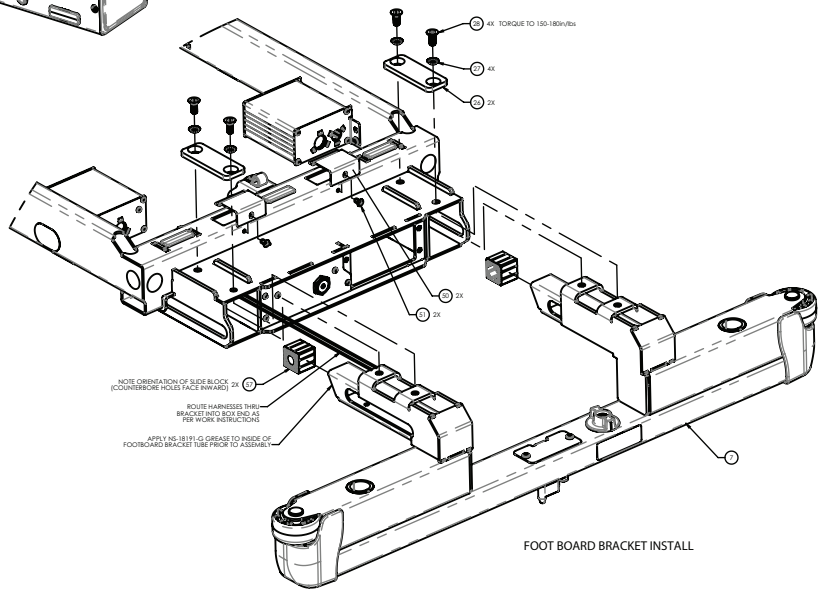
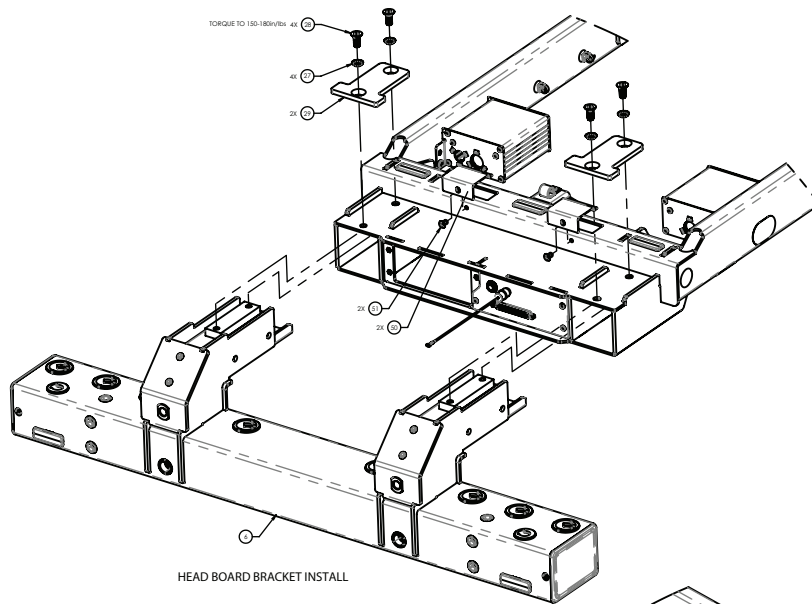
Hi-low frame assembly

5900200174 Rev A (Reference only)









AUDIO-VIDEO ASSY INSTALL

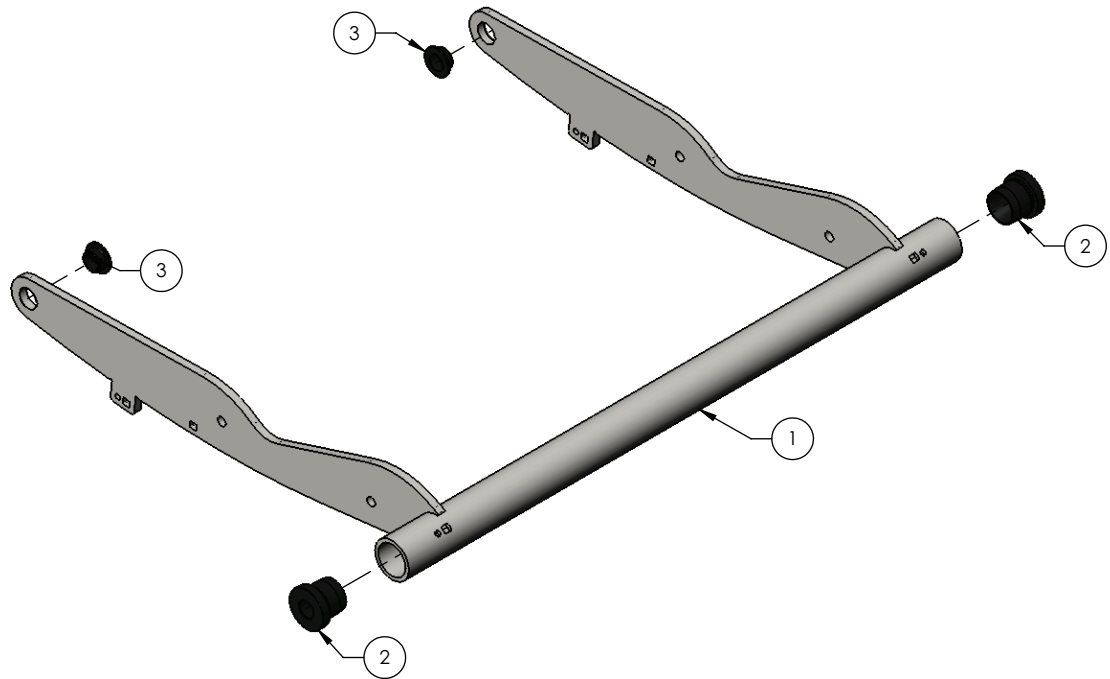
| Item | Number | Name | Quantity |
|------|------------|---------------------------------|----------|
| 1 | 5900200180 | HILO frame assembly (page 78) | 1 |
| 2 | 5900200120 | Upper frame assembly (page 109) | 1 |
| 3 | 5900240099 | Weldment, primary leg head end | 1 |
| 4 | 5900240098 | Weldment, primary leg foot end | 1 |
| 5 | 5900200121 | Timing link assembly (page 96) | 1 |

| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 6 | 5900200134 | Headboard support bracket assembly (page 97) | 1 |
| 7 | 5900200135 | Footboard support bracket assembly (page 99) | 1 |
| 8 | 5900500116P | Cap, bearing block leg pivot plated | 4 |
| 9 | 5900500121P | Rod, lower leg pivot axle plated | 2 |
| 10 | 5900600072 | Slide block, primary leg lift | 4 |
| 11 | 5900410034 | Sensor, leg position rotary pot | 2 |
| 12 | 5900320023 | Screw, sems pan head ph #6-32 x 5/8" lg zinc pl | 4 |
| 13 | 5900600061 | Cap, leg pot index | 2 |
| 14 | 5900340027 | Screw, shldr 3/8 x 1.25-5/16 unc zinc | 8 |
| 15 | 5900600060 | Cover, hilo lift leg rotary sensor | 4 |
| 16 | 5900690017 | Overlay, blank Ø1.00 round white | 4 |
| 17 | 5900350030 | Pin, clevis Ø1/4 x 2 (1-13/16) lg zinc pl | 2 |
| 18 | 5900350038 | Clamp, p-clip 3/16" nylon loop-black | 4 |
| 19 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 11 |
| 20 | 5900370110 | Plug, push-in round plastic 1/2" | 4 |
| 21 | 5900320029 | Washer, flat 1/2 x 1-1/4 x 0.063 nylon | 6 |
| 22 | 5900350039 | Pin, clevis 1/2 x 2-1/2 lg, c1018 steel ZnPI | 4 |
| 23 | 0027-034-000 | Rue ring, Ø1/2" | 4 |
| 24 | 5900420010 | Actuator, hilo eha 245W 16kN 8in parker 649346 | 2 |
| 25 | 5900600074 | Protective cap, parker eha rod end | 2 |
| 26 | 5900540245P | Plate, footboard clamp-plated | 2 |
| 27 | 5900320022 | Washer, ext tooth lock-5/16" ctsk zinc | 8 |
| 28 | 5900340081 | Screw, flat Torx head 5/16-18 x 3/4 tri lobe zinc | 8 |
| 29 | 5900540244P | Plate, headboard clamp-plated | 2 |
| 30 | 5900500113 | Pivot rod, timing link | 1 |
| 31 | 5900500114P | Hinge pin, timing link-plated | 2 |
| 32 | 0037-196-000 | Pan washer cap | 2 |
| 33 | 5900370105 | Pan washer, 1" od x 3/8" id x 0.120" thk | 2 |
| 34 | 0016-089-000 | Nut, hex reg 3/8-unc (center lock) | 2 |
| 35 | 0011-004-000 | Washer, flat 3/8 sae-zinc | 2 |
| 36 | 5900310018 | Nut, hex acorn 3/8-16 unc-distorted thread sst | 2 |
| 37 | 5900600070 | Cover, timing link arm PL | 1 |
| 38 | 5900600071 | Cover, timing link arm PR | 1 |
| 39 | 5900350029 | Rivet, intrlck shank Ø.281"x.50-.81" thk nyl blk | 8 |
| 40 | 5900690055 | Guard, splash upper litter frame | 2 |
| 41 | 5900540267P | Plate, splash guard clamp plated | 2 |
| 42 | 0025-079-000 | Rivet, 3/16 domed sst | 6 |
| 43 | 5900340098 | Screw, shss Ø5/16x1/2 lg, 1/4-20unc ss nylon patch | 2 |
| 44 | 5900320027 | Washer, flat 3/8 x 7/8 x 0.063 nylon | 2 |
| 45 | 5900640005 | OBS cover, belly pan abs | 1 |

| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 46 | 5900600077 | Guard, hilo leg cableway | 1 |
| 47 | 5900690015 | Overlay, exp headboard, clip | 4 |
| 48 | 5900340090 | Screw, sems pan ph #10-32unf x 3/4lg int wash zinc | 4 |
| 49 | 5900310020 | Nutsert, #10-unf thick sheet hex body- zinc | 4 |
| 50 | 5900520223 | Access cover, upper frame | 4 |
| 51 | 0025-077-000 | Rivet, Ø3/16x0.251-0.375 grip, alum, usm ad66abs | 4 |
| 52 | 5900340079 | Screw, #10-32 x 1/2lg hex washer head elec ground | 8 |
| 53 | 5900430150 | HRNS, gnd braid E | 3 |
| 54 | 5900520247 | Clip, ground strap anti rotate ring | 7 |
| 55 | 5900280034 | <i>Audio-video electrical assembly - 5900280034 (page 102)</i> | 1 |
| 56 | 5900690090 | Overlay, pivot axle access hole | 4 |
| 57 | 5900600073 | Slide block, fowler & vascular | 2 |
| 58 | 5900180098 | Label, electrical shock warning | 1 |
| 59 | 5900430143 | HRNS, gnd braid D | 1 |

Timing link assembly

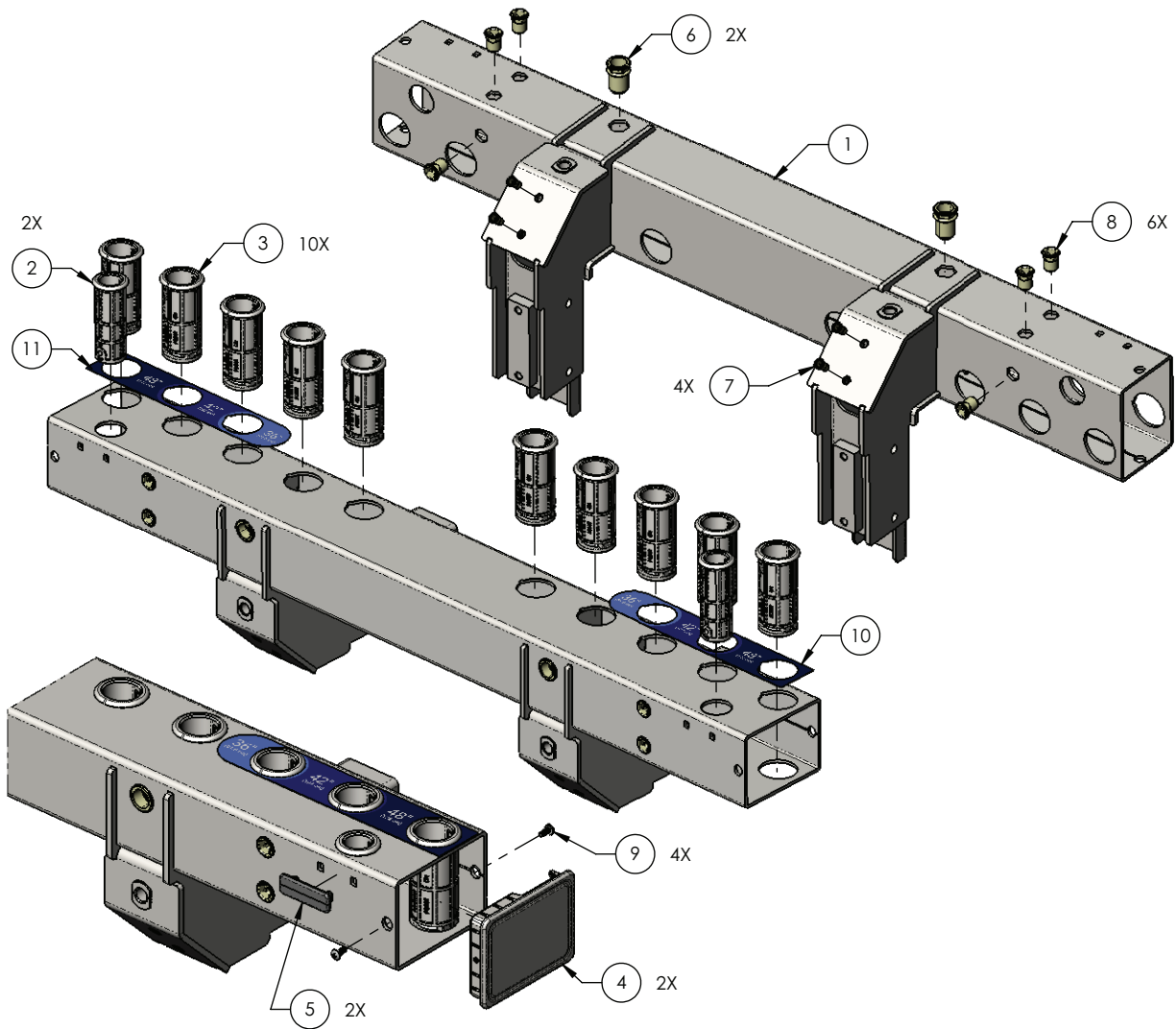
5900200121 Rev C (Reference only)



| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900240095 | Timing link weldment | 1 |
| 2 | 5900620026 | Bushing, timing link | 2 |
| 3 | 5900330020 | Bushing, flg 0.500X0.625X0.313LG (flg 0.875X0.062) | 2 |

Headboard support bracket assembly

5900200134 Rev A (Reference only)

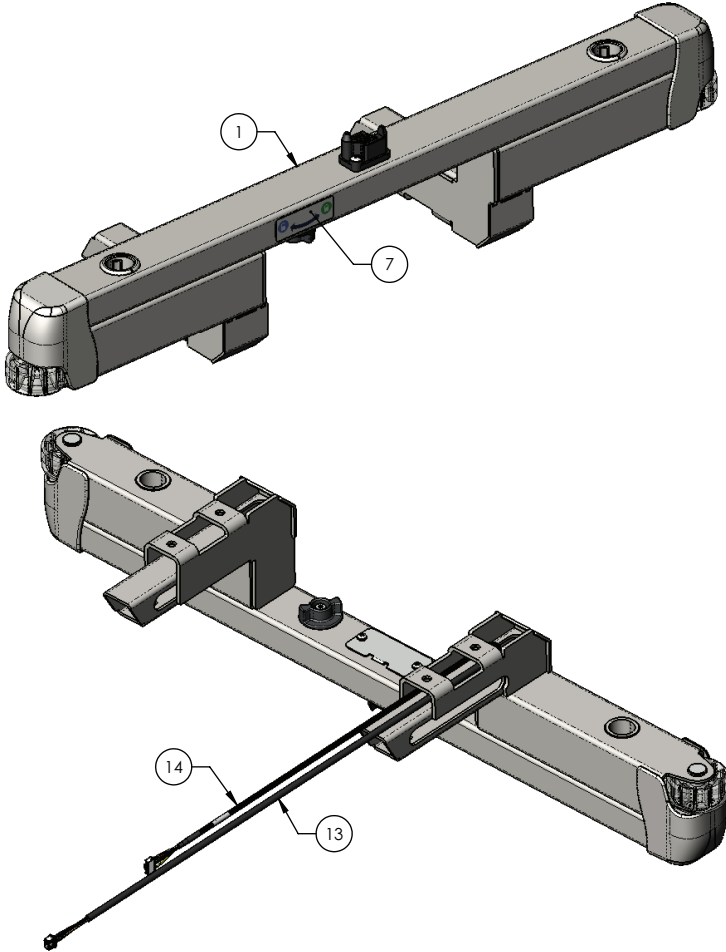


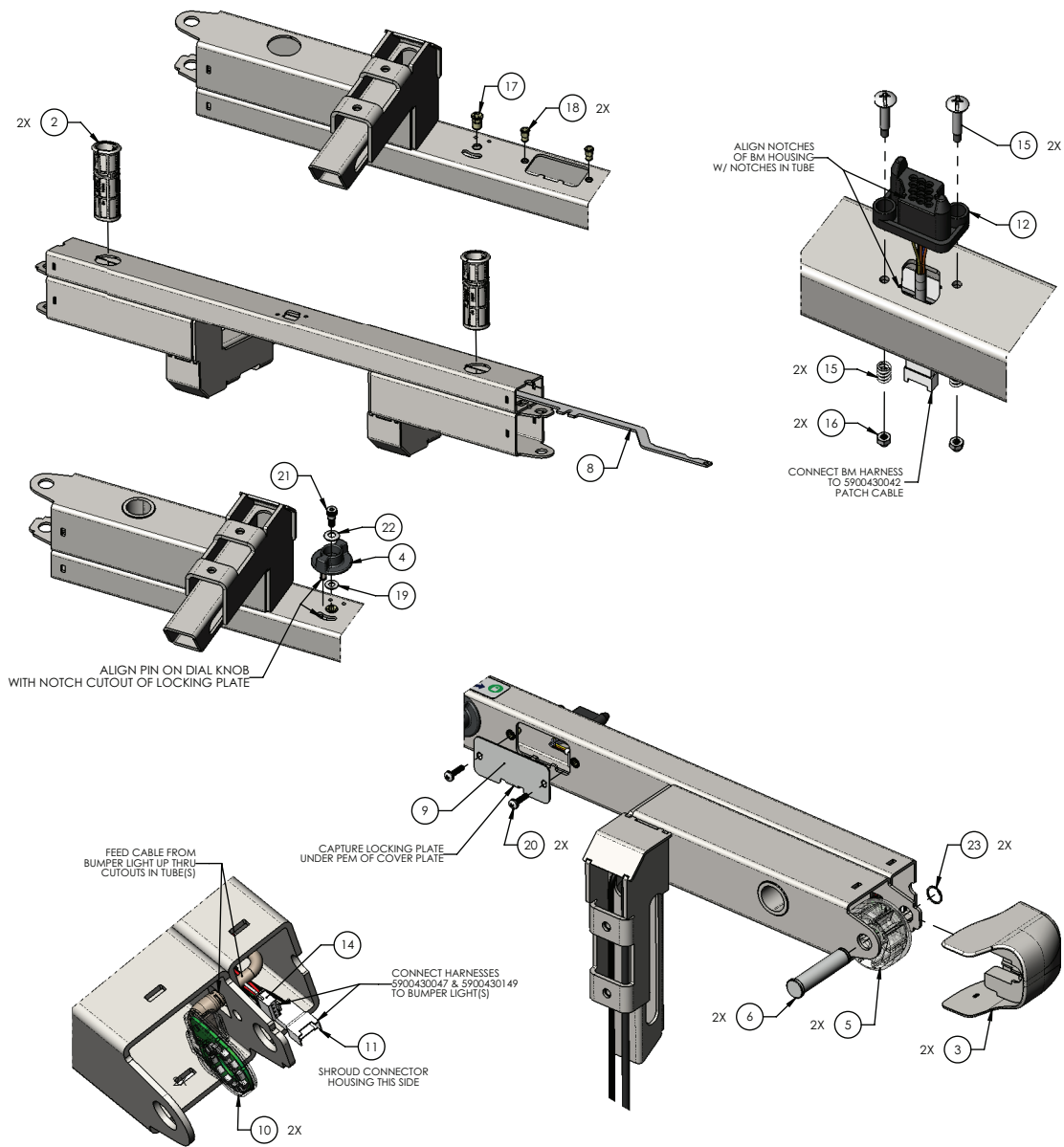
| Item | Number | Name | Quantity |
|------|------------|---|----------|
| 1 | 5900240111 | Weldment, headboard support bracket | 1 |
| 2 | 5900600038 | Socket, headboard IV pole | 2 |
| 3 | 5900600039 | Socket, headboard post | 10 |
| 4 | 5900600066 | End plug, 4x3 tube | 2 |
| 5 | 5900600067 | Bumper pad, snap-in hard stop | 2 |
| 6 | 5900310012 | Nutsert, 1/2-13 unc half-hex low-profile zinc | 2 |
| 7 | 5900310020 | Nutsert, #10-unf thick sheet hex body-zinc | 4 |
| 8 | 5900310025 | Nutsert, 5/16-unc hex body | 6 |
| 9 | 5900340010 | Screw, pan ph #8-unc x 0.375 tri lobe | 4 |

| Item | Number | Name | Quantity |
|-------------|---------------|---------------------------------------|-----------------|
| 10 | 5900690070 | Label, post location exp headboard PR | 1 |
| 11 | 5900690071 | Label, post location exp headboard PL | 1 |

Footboard support bracket assembly

5900200135 Rev B (Reference only)



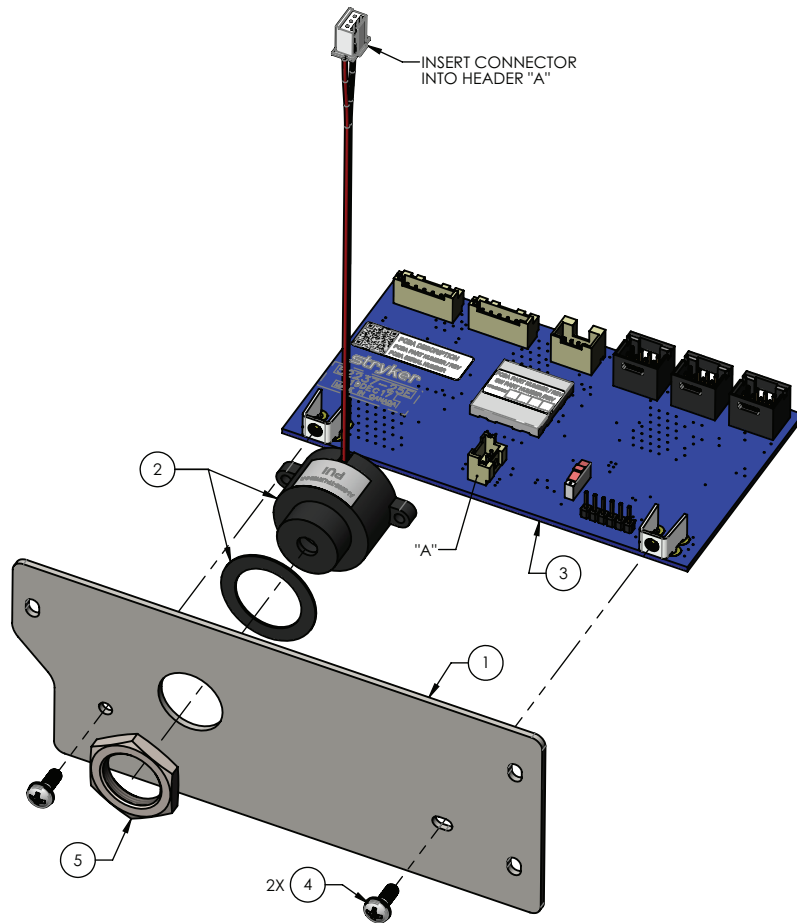


| Item | Number | Name | Quantity |
|------|-------------|--|----------|
| 1 | 5900240112 | Weldment, footboard support bracket | 1 |
| 2 | 5900600011 | Socket, footboard post | 2 |
| 3 | 5900600013 | Bumper shroud, footboard bracket | 2 |
| 4 | 5900600037 | Dial knob, head & footboard locking | 1 |
| 5 | 5900600088 | Corner bumper, molded 2-1/2" od | 2 |
| 6 | 5900500068P | Clevis pin, bumper wheel plated | 2 |
| 7 | 5900690080 | Label, lock/unlock footboard | 1 |
| 8 | 5900540044P | Plate, locking footboard plated | 1 |
| 9 | 5900520202P | Cover plate, footboard blind mate plated | 1 |
| 10 | 5900280053 | Light assembly, iBed bumper light | 2 |
| 11 | 5900430149 | HRNS, bumper light jumper cable | 1 |
| 12 | 5900430120 | HRNS, fsc bracket | 1 |

| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 13 | 5900430042 | HRNS, lower blindmate patch cable | 1 |
| 14 | 5900430047 | HRNS, watchdog lights | 1 |
| 15 | 5900410054 | Hardware kit, drawer conn, metrimate | 1 |
| 16 | 5900310024 | Nut, hex M4x0.7 zinc | 2 |
| 17 | 5900310007 | Nutsert, 1/4-unc hex body | 1 |
| 18 | 5900310020 | Nutsert, #10-unf thick sheet hex body- zinc | 2 |
| 19 | 0011-303-000 | Washer, large dia flat Ø17/64 id x Ø9/16 od zinc | 1 |
| 20 | 5900340090 | Screw, sems pan ph #10-32unf x 3/4lg int wash zinc | 2 |
| 21 | 5900340095 | Screw, shss Ø5/16x1/4 lg, 1/4-20 unc locking patch | 1 |
| 22 | 5900320009 | Spring washer, acetal Ø.32" id x Ø.66" od | 1 |
| 23 | 5900350045 | Ring, spiralox rtng ext 0.625 sst | 2 |

Audio-video electrical assembly - 5900280034

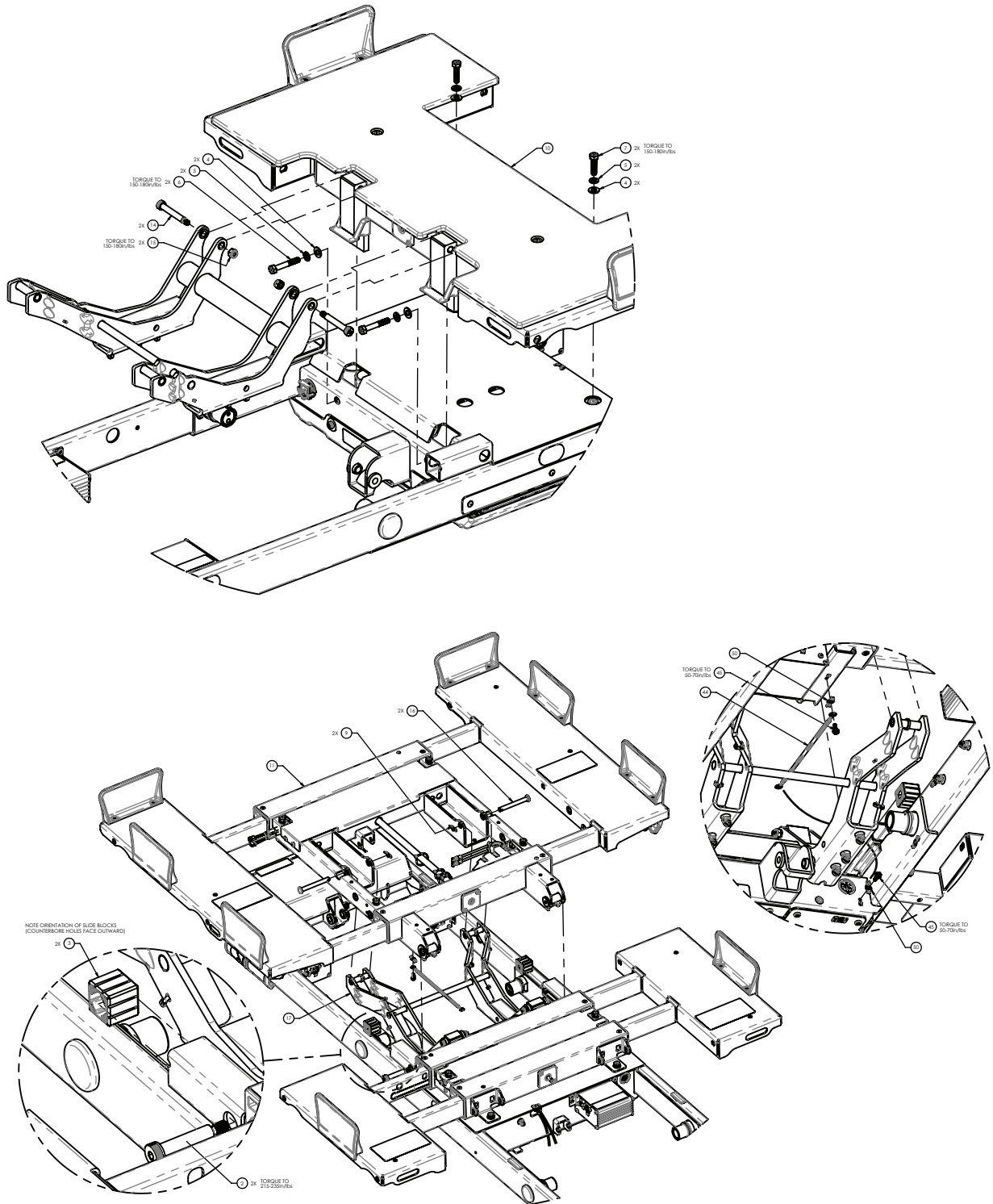
Rev A (Reference only)

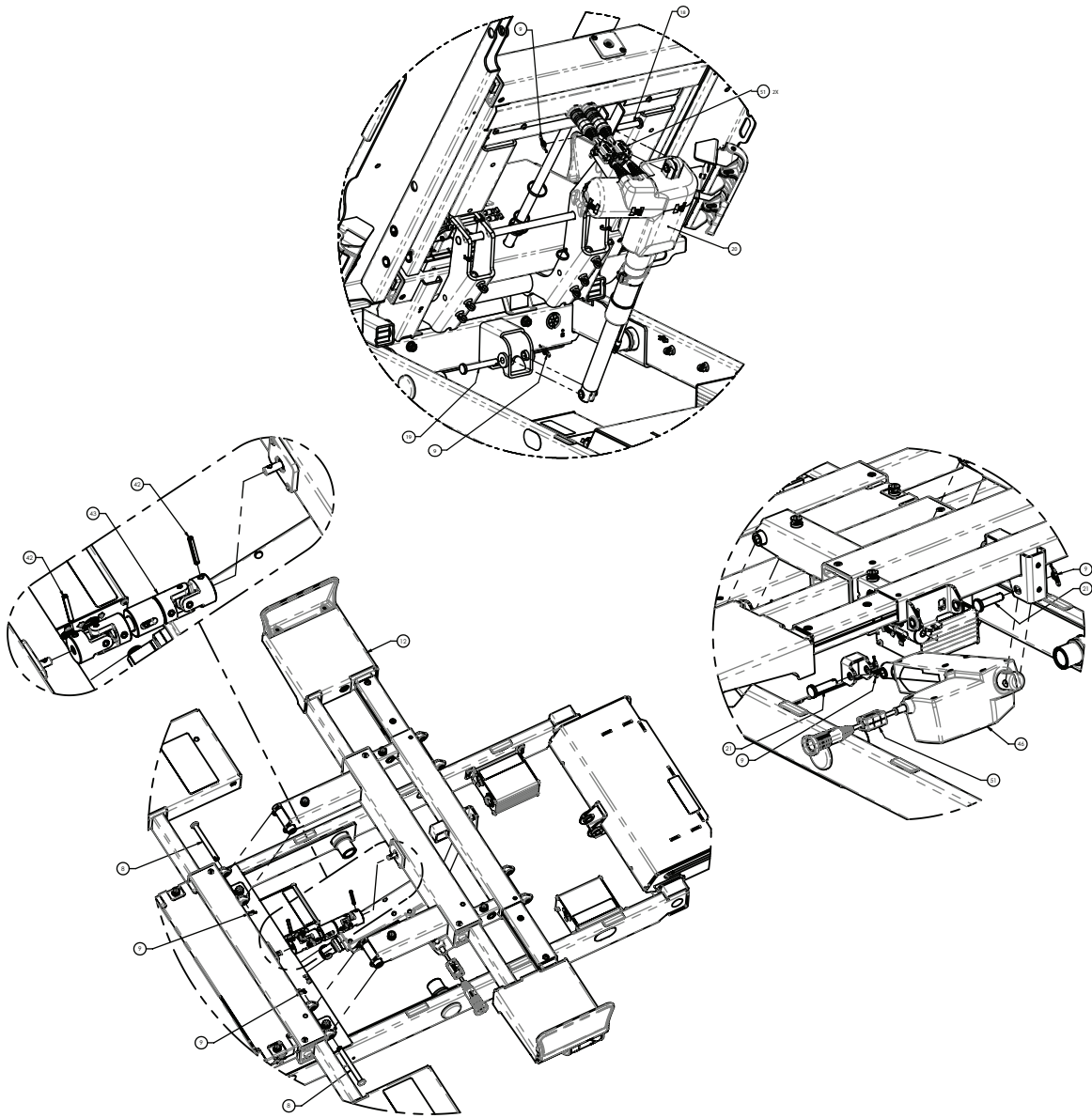


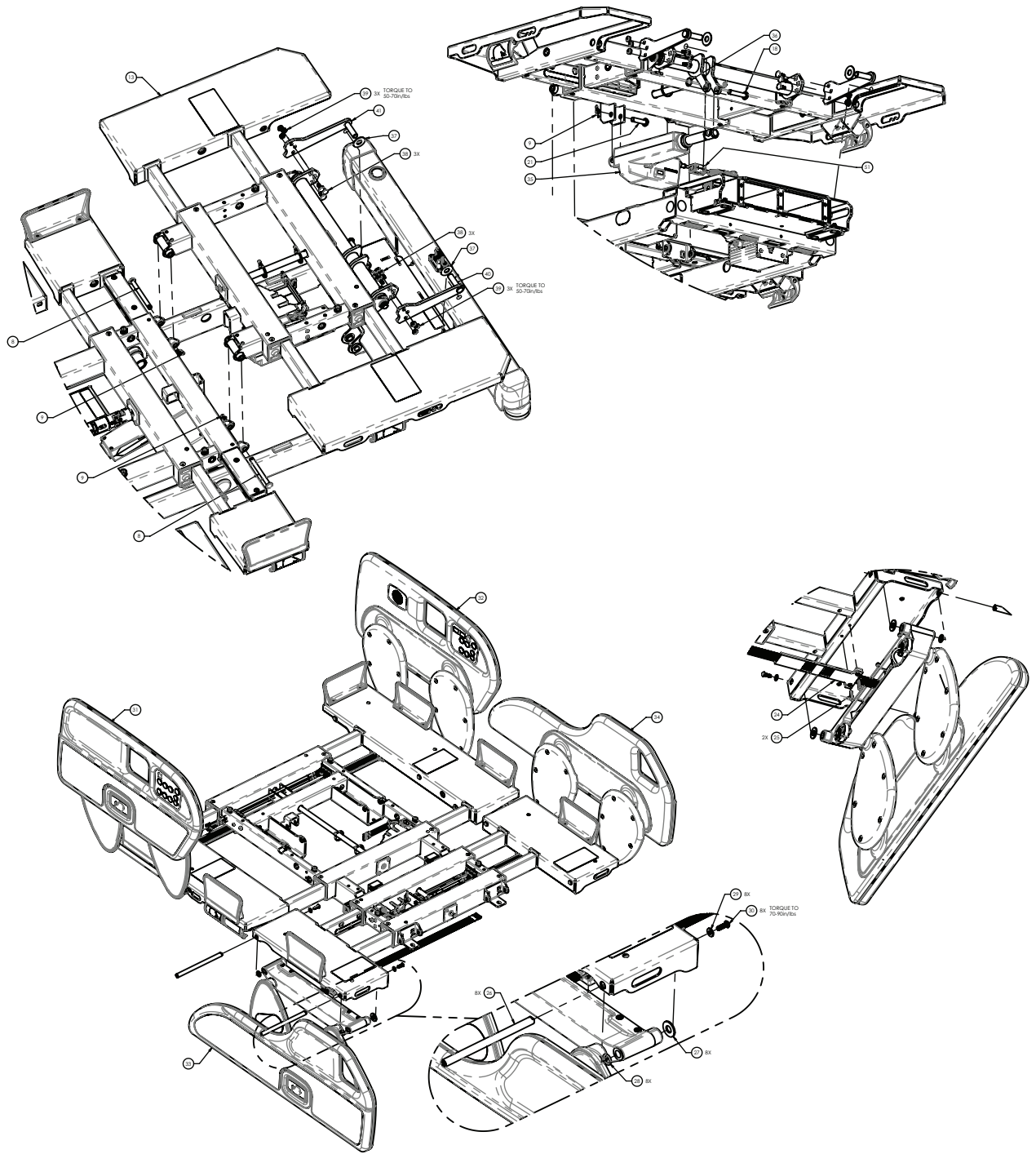
| Item | Number | Name | Quantity |
|------|-------------|---|----------|
| 1 | 5900540220P | Faceplate, AV board-plated | 1 |
| 2 | 5900280035 | Speaker, piezo 12VDC 100dB | 1 |
| 3 | 5900400039 | PCBA, IOM AVB | 1 |
| 4 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 2 |
| 5 | 5900310013 | Nut, thin hex m18 x 1.0 ss | 1 |

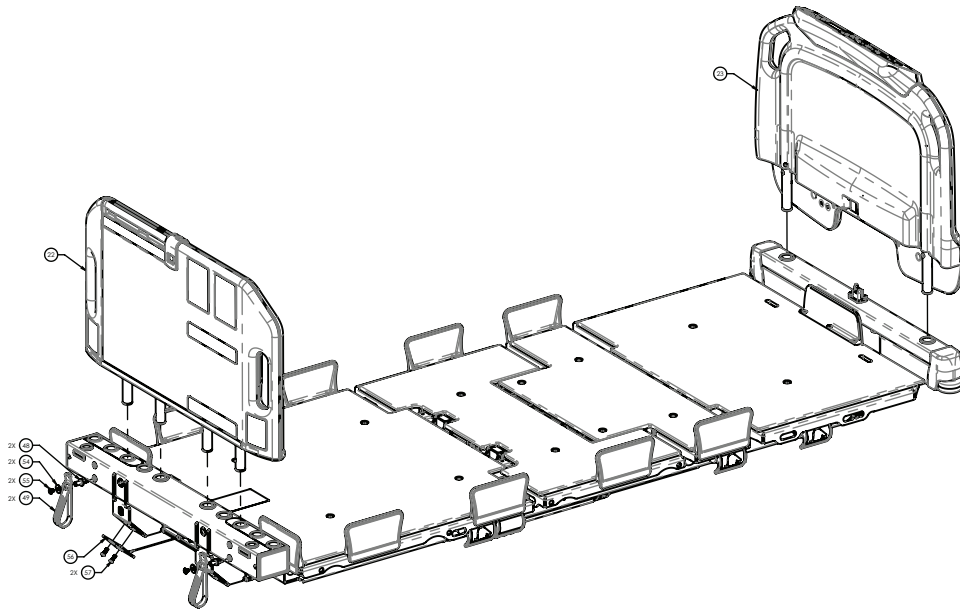
Top level assembly

5900103005 Rev AA (Reference only)







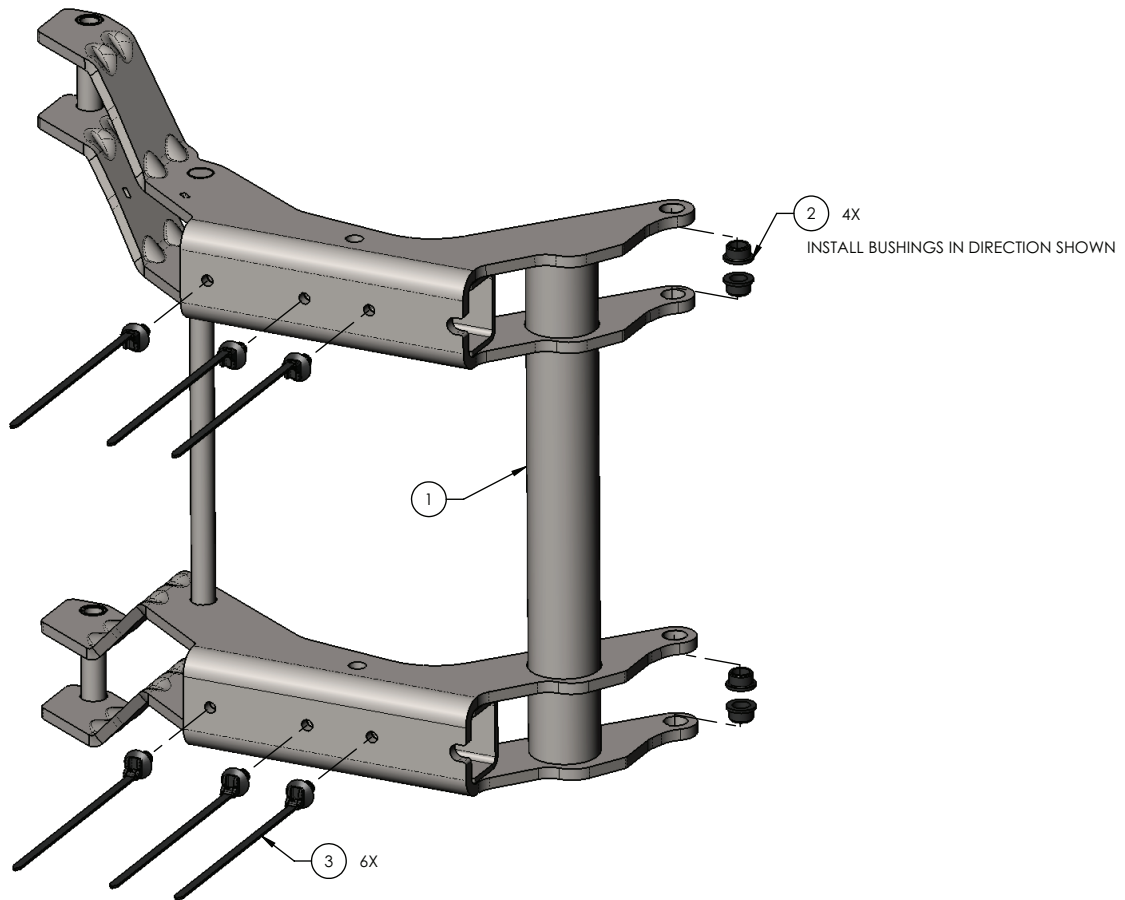


| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900200174 | Hi-low frame assembly (page 90) | 1 |
| 2 | 5900340082 | Shoulder screw | 2 |
| 3 | 5900600073 | Slide block, fowler & vascular | 2 |
| 4 | 0011-003-000 | Washer | 4 |
| 5 | 0012-020-000 | Washer | 4 |
| 6 | 5900340106 | Hex head screw | 2 |
| 7 | 5900340107 | Hex head screw | 2 |
| 8 | 5900350036 | Clevis pin | 4 |
| 9 | 0027-022-000 | Rue ring | 11 |
| 10 | 5900200041 | Deck assembly, seat section (page 149) | 1 |
| 11 | 5900200055 | Deck assembly, head section (page 135) | 1 |
| 12 | 5900200056 | Deck assembly, knee section (page 160) | 1 |
| 13 | 5900200057 | Deck assembly, foot section (page 166) | 1 |
| 14 | 0008-031-000 | Shoulder screw | 2 |
| 15 | 0016-036-000 | Nylok nut | 2 |
| 16 | 5900350049 | Clevis pin | 2 |
| 17 | 5900200137 | Fowler regression link assembly - 5900200137 (page 108) | 1 |
| 18 | 5900350035 | Clevis pin | 2 |
| 19 | 5900350044 | Clevis pin | 1 |
| 20 | 5900200157 | Head with CPR release actuator assembly - 5900200157 (page 147) | 1 |
| 21 | 5900350046 | Clevis pin | 3 |
| 22 | 5900200026 | Expandable headboard assembly - 5900200026 (page 202) | 1 |
| 23 | 5900200025 | Footboard assembly - 5900200025 (page 199) | 1 |
| 24 | 5900200158 | Expandable deck wire guide assembly - 5900200158 (page 177) | 4 |
| 25 | 5900340055 | Pan head Torx screw | 8 |
| 26 | 5900500022 | Pin, rail arm bracket slide | 8 |

| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 27 | 5900320016 | Washer | 8 |
| 28 | 5900370042 | O-ring | 8 |
| 29 | 5900320028 | Washer | 8 |
| 30 | 0004-592-000 | Button head Torx screw | 8 |
| 31 | 5900200130 | <i>Rail assembly, head</i> (page 179), right | 1 |
| 32 | 5900200131 | <i>Rail assembly, head</i> (page 179), left | 1 |
| 33 | 5900200132 | <i>Rail assembly, foot</i> (page 189), right | 1 |
| 34 | 5900200133 | <i>Rail assembly, foot</i> (page 189), left | 1 |
| 35 | 5900420011 | Actuator, foot | 1 |
| 36 | 5900370106 | Cotter pin | 1 |
| 37 | 5900320029 | Washer | 2 |
| 38 | 0005-017-000 | Carriage bolt | 6 |
| 39 | 0016-102-000 | Nylock hex nut | 6 |
| 40 | 5900240108 | Gatch arm weldment, foot bail, patient right | 1 |
| 41 | 5900240109 | Gatch arm weldment, foot bail, patient left | 1 |
| 42 | 0026-012-000 | Spring pin | 2 |
| 43 | 5900200138 | U-joint, sliding expandable deck | 1 |
| 44 | 5900430143 | Harness, GND braid D | 1 |
| 45 | 5900340079 | Hex washer head screw | 2 |
| 46 | 5900420012 | Actuator, knee | 1 |
| 47 | 5900350047 | Lock ring | 4 |
| 48 | 5900500178 | Cord strap post | 2 |
| 49 | 8001-000-171 | Strap, cord/hose management | 2 |
| 50 | 5900520247 | Ground strap clip | 2 |
| 51 | 5900410059 | Ferrite cable | 4 |
| 53 | 3000-300-113 | Cable tie | 10 |
| 54 | 5900320031 | Washer | 2 |
| 55 | 5900340101 | Round head screw | 2 |
| 56 | 5900540283 | Docker strain relief plate | 1 |
| 57 | 5900340090 | Pan screw | 2 |

Fowler regression link assembly - 5900200137

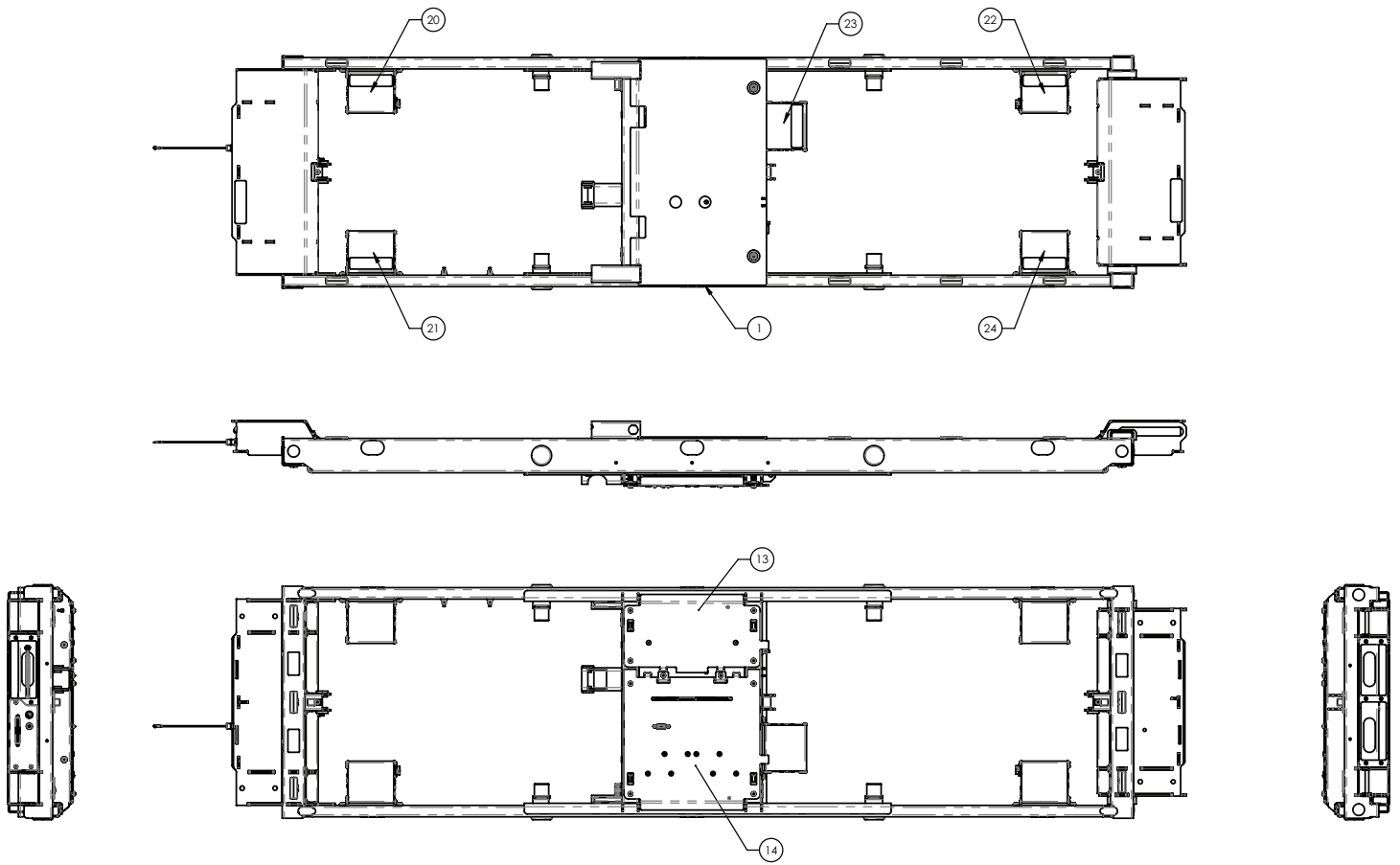
Rev D (Reference only)

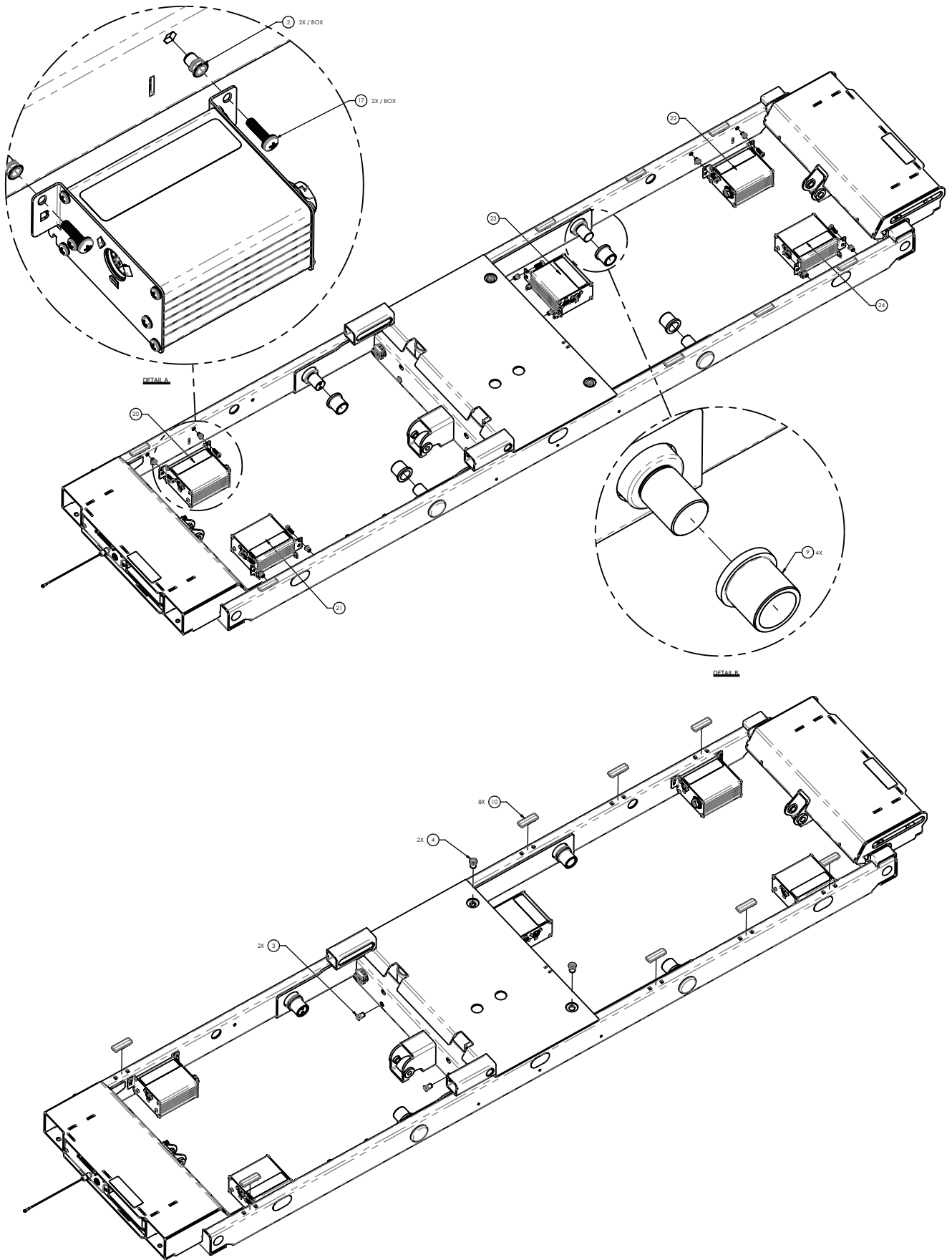


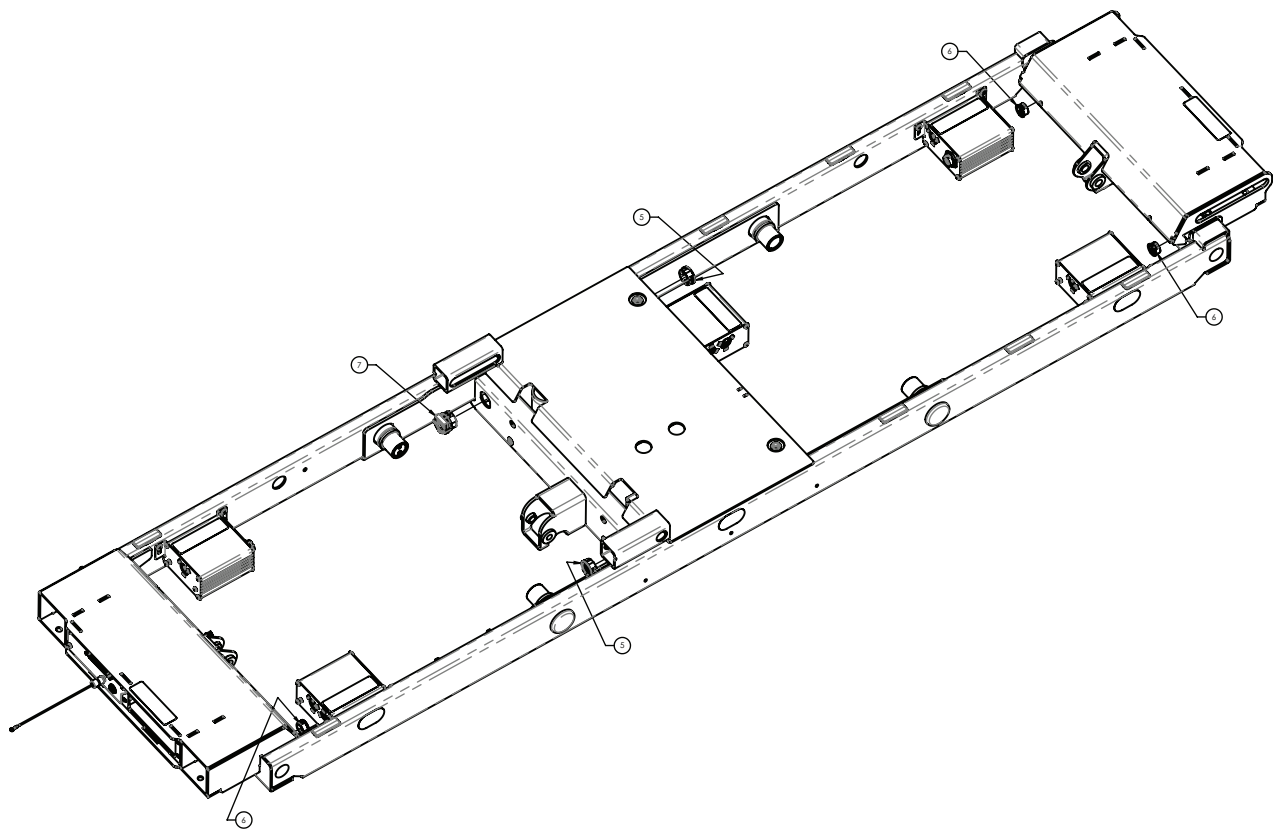
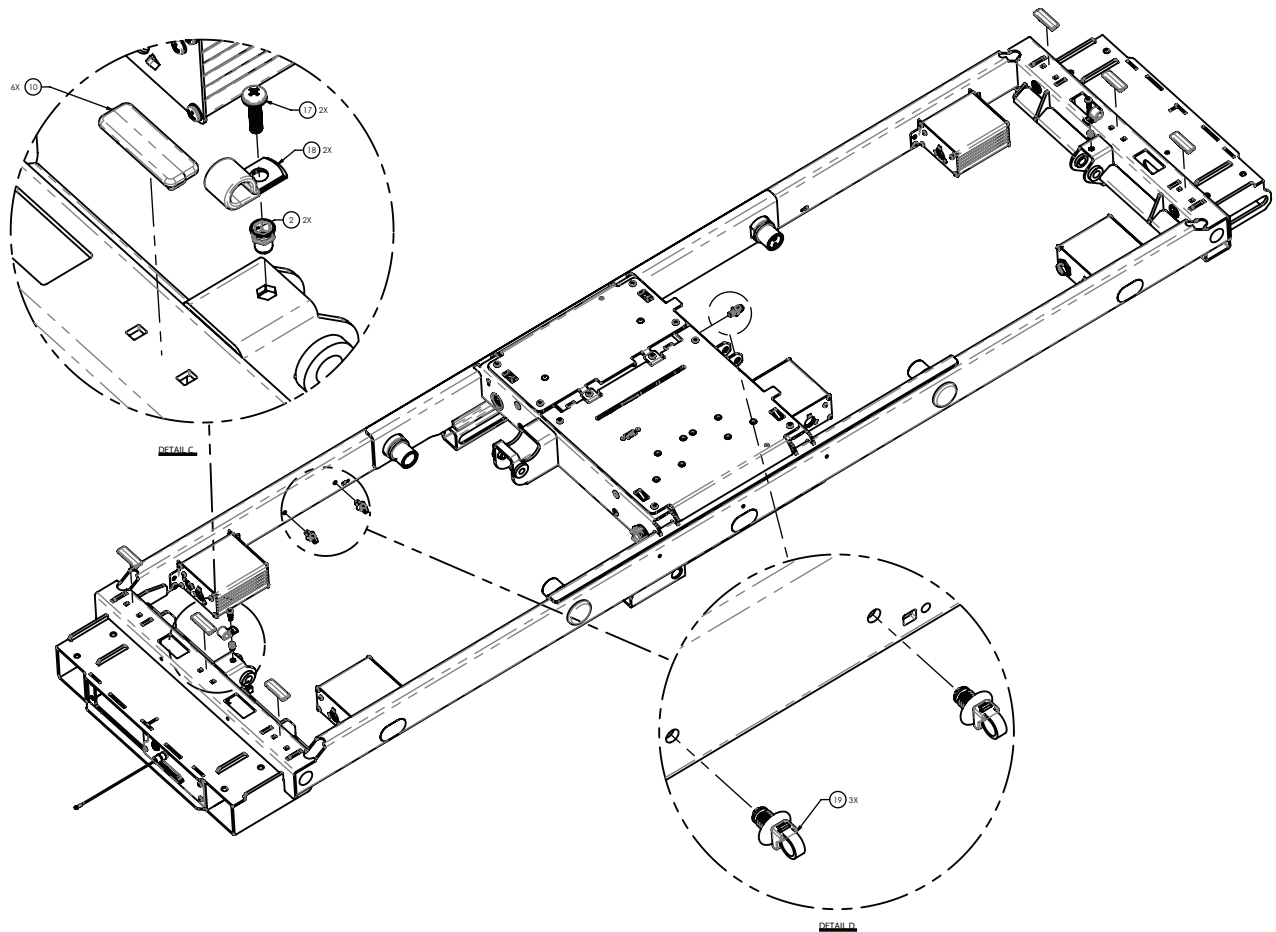
| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900240121 | Weldment, Fowler support | 1 |
| 2 | 5900330003 | Bushing, flg 0.375x0.500x0.313lg (flg 0.625x0.062) | 4 |
| 3 | 5900350041 | Cable tie, fir tree mount 1mm-35mm bundle blk | 6 |

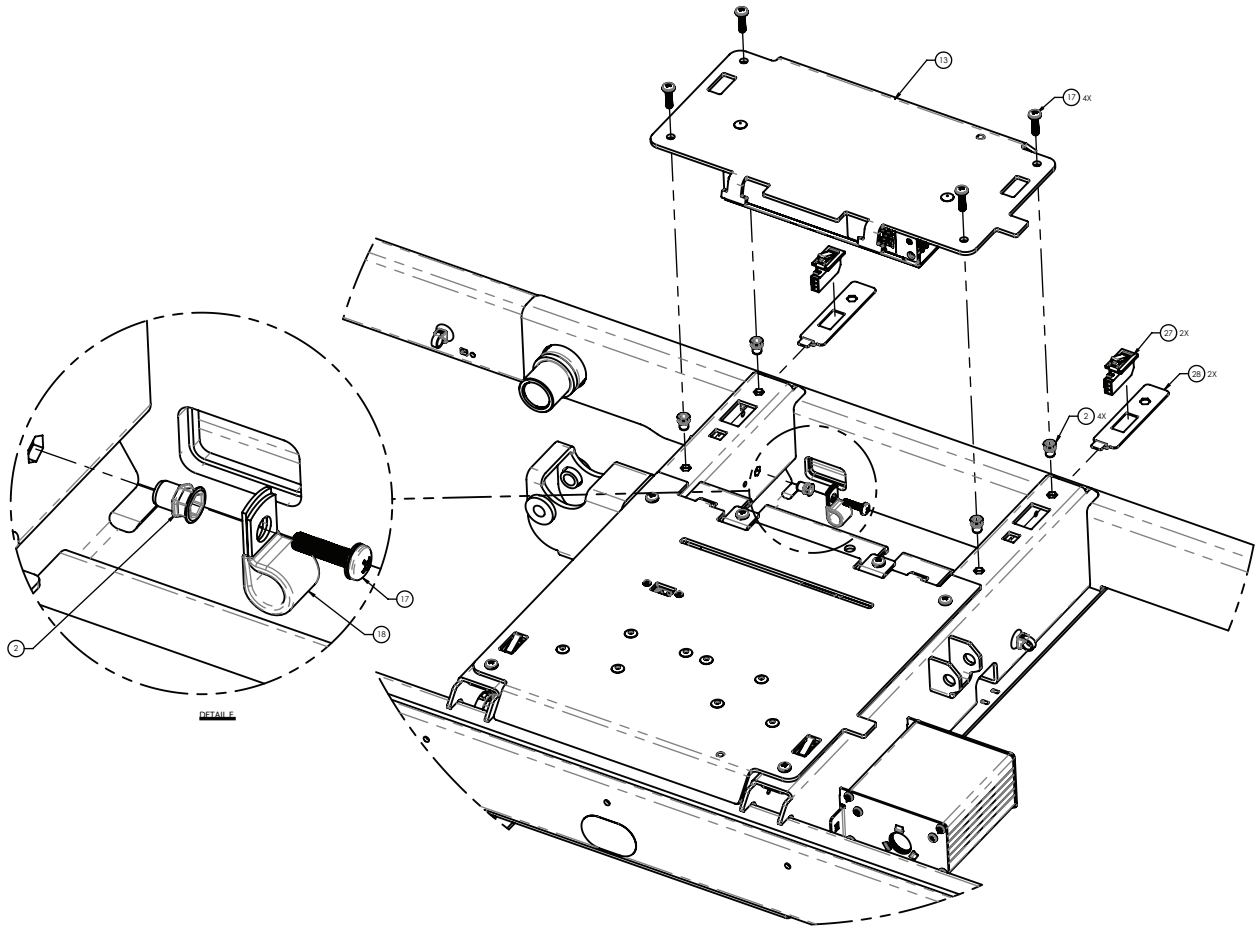
Upper frame assembly

5900200120 Rev E (Reference only)

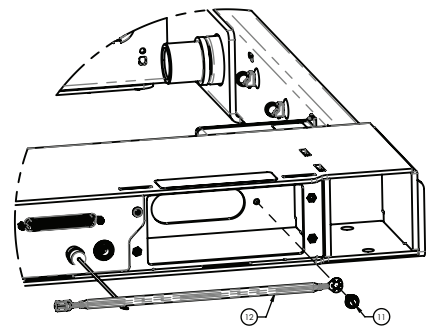
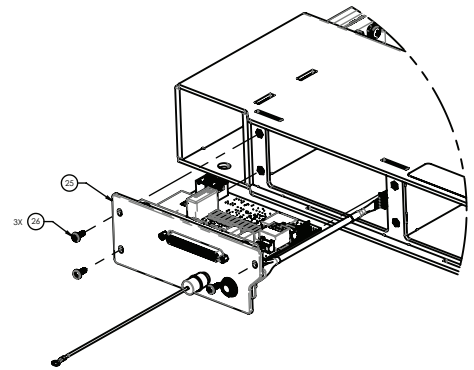
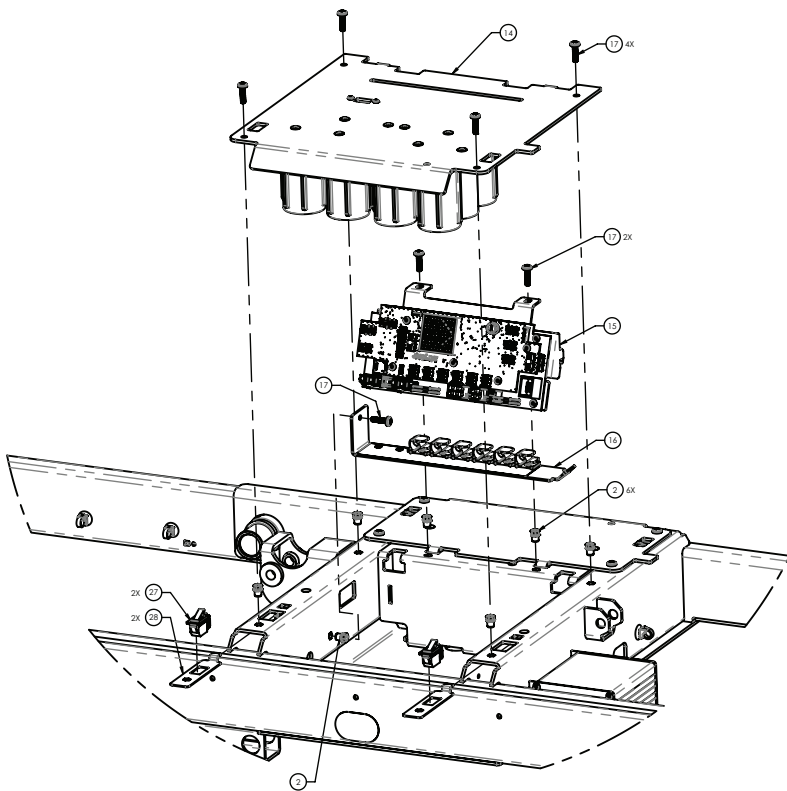




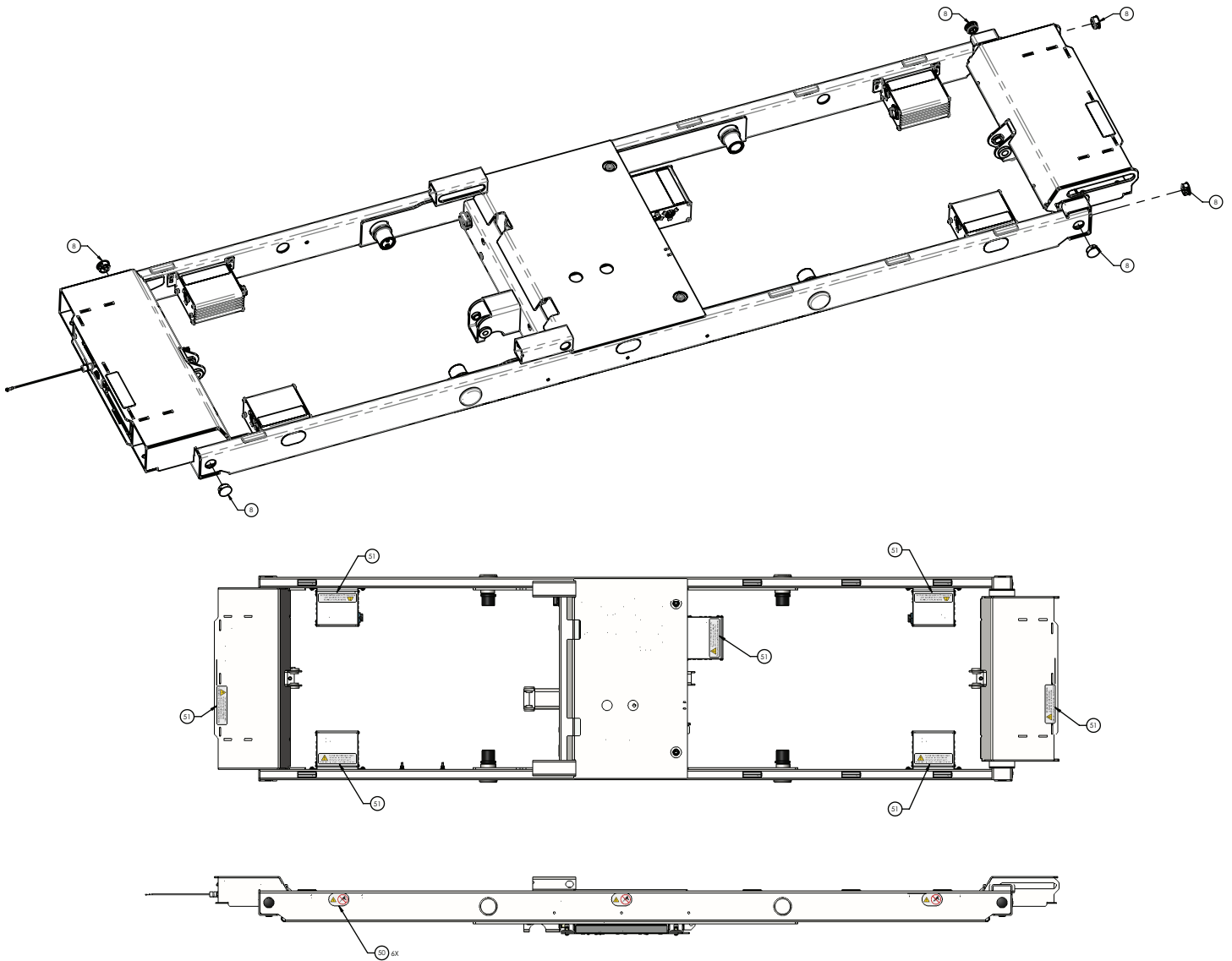




DETAIL



Torque item 11
to 50-70 in-lb

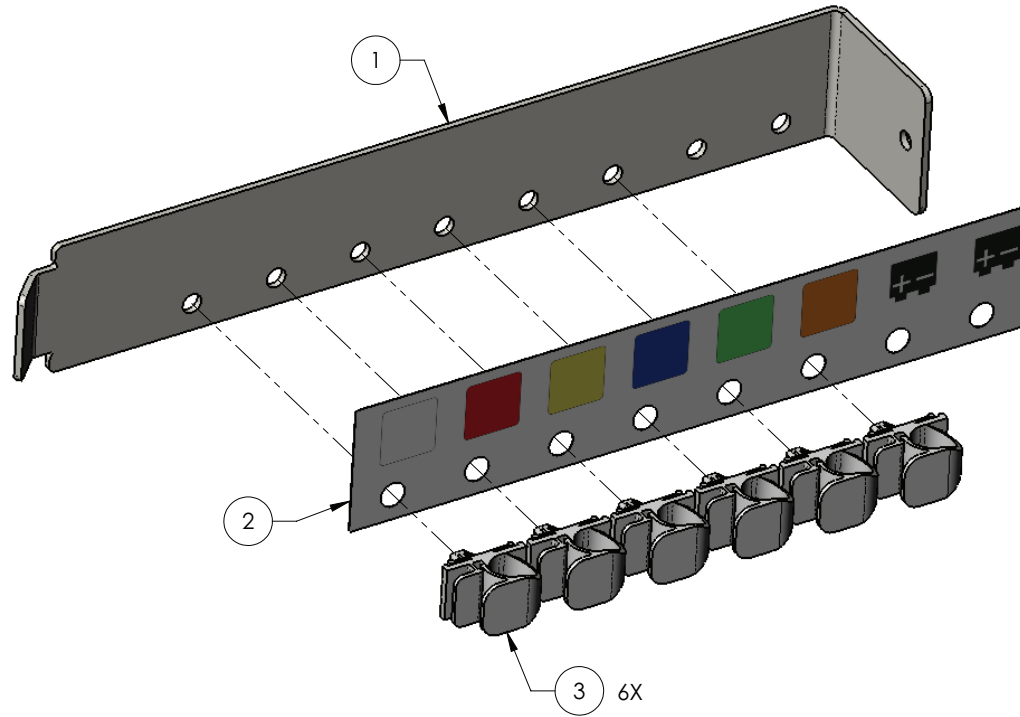


| Item | Number | Name | Quantity |
|------|------------|---|----------|
| 1 | 5900240094 | Upper frame weldment | 1 |
| 2 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 25 |
| 3 | 5900310007 | Nutsert, 1/4-UNC hex body | 2 |
| 4 | 5900310025 | Nutsert, 5/16-UNC hex body | 2 |
| 5 | 5900370023 | Grommet, push-in split expandable 1" hole | 2 |
| 6 | 5900370075 | Grommet, push-in locking 3/4" | 3 |
| 7 | 5900350051 | Strain relief, snap-in ratcheting Ø0.12-0.75 | 1 |
| 8 | 5900370037 | Plug, push-in round plastic 7/8" | 6 |
| 9 | 5900330021 | Bushing, flg 1.000X1.250X1.250LG (flg 1.500X0.188) | 4 |
| 10 | 5900600067 | Bumper pad, snap-in hard stop | 14 |
| 11 | 5900340079 | Screw, #10-32 x 1/2LG hex washer head 1 elec ground | 1 |
| 12 | 5900430112 | HRNS, gnd braid C | 1 |
| 13 | 5900280026 | Electrical assembly, AC power | 1 |
| 14 | 5900280025 | Electrical assembly, DC power | 1 |

| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 15 | 5900280051 | Electrical assembly, main power/control | 1 |
| 16 | 5900200164 | ASM, HRNS support span | 1 |
| 17 | 5900340090 | Screw, sems pan PH #10-32UNF x 3/4LG int wash zinc | 25 |
| 18 | 0034-020-000 | P-clamp, 3/8" insulated | 3 |
| 19 | 5900350041 | Cable tie, fir tree mount 1mm-35mm bundle blk | 3 |
| 20 | 5900280042 | <i>IOM ACB-EHA head lift electrical assembly (page 129)</i> | 1 |
| 21 | 5900280044 | <i>IOM ACB-head deck electrical assembly (page 131)</i> | 1 |
| 22 | 5900280043 | <i>IOM ACB-EHA foot lift electrical assembly (page 130)</i> | 1 |
| 23 | 5900280045 | <i>IOM ACB-knee deck electrical assembly (page 132)</i> | 1 |
| 24 | 5900280046 | <i>IOM ACB-foot deck electrical assembly (page 133)</i> | 1 |
| 25 | 5900280033 | <i>DB37 electrical assembly - 5900280033 (page 128)</i> | 1 |
| 26 | 5900340071 | Screw, sems pan ph #6-32X3/8LG int wash zinc PL | 3 |
| 27 | 5900410030 | Switch, SPDT-N/O-N/C omron D3D-211 | 4 |
| 28 | 5900520237 | Bracket, obstruction sensor switch plate | 4 |
| 29 | 5900410030 | HRNS, PS output TDK XMS series | 1 |
| 30 | 5900430152 | HRNS, PS input TDK XMS series | 1 |
| 31 | 5900430115 | HRNS, AC supply aux | 1 |
| 32 | 5900430122 | HRNS, primary act pwr-comm A | 1 |
| 33 | 5900430155 | HRNS, primary act pwr-comm B | 1 |
| 34 | 5900430123 | HRNS, secondary act pwr-comm | 2 |
| 35 | 5900430136 | HRNS, act knee pwr-comm | 1 |
| 36 | 5900430121 | HRNS, NC-AV pwr comm | 2 |
| 37 | 5900430135 | HRNS, pwr-comm MCU to JCTN seat | 1 |
| 38 | 5900430132 | HRNS, pwr-comm MCU to JCTN | 1 |
| 39 | 5900430142 | HRNS, act knee-foot LA31 | 2 |
| 40 | 5900430124 | HRNS, act feedback (long) | 1 |
| 41 | 5900430159 | HRNS, act feedback | 1 |
| 42 | 5900430140 | HRNS, act head LA34 | 1 |
| 43 | 5900430141 | HRNS, act head CPR | 1 |
| 44 | 5900430131 | HRNS, NC-SPKR PSI to JCTN | 1 |
| 45 | 5900430134 | HRNS, scale pwr-comm | 1 |
| 46 | 5900430137 | HRNS, brake-steer detect | 1 |
| 47 | 5900430130 | HRNS, underbed obstruction (short) | 3 |
| 48 | 5900430129 | HRNS, underbed obstruction (long) | 1 |
| 49 | 5900430157 | HRNS, DPM patch cable | 1 |
| 50 | 5900180108 | Label, no drilling | 6 |
| 51 | 5900180098 | Label, electrical shock warning | 7 |

HRNS support span assembly

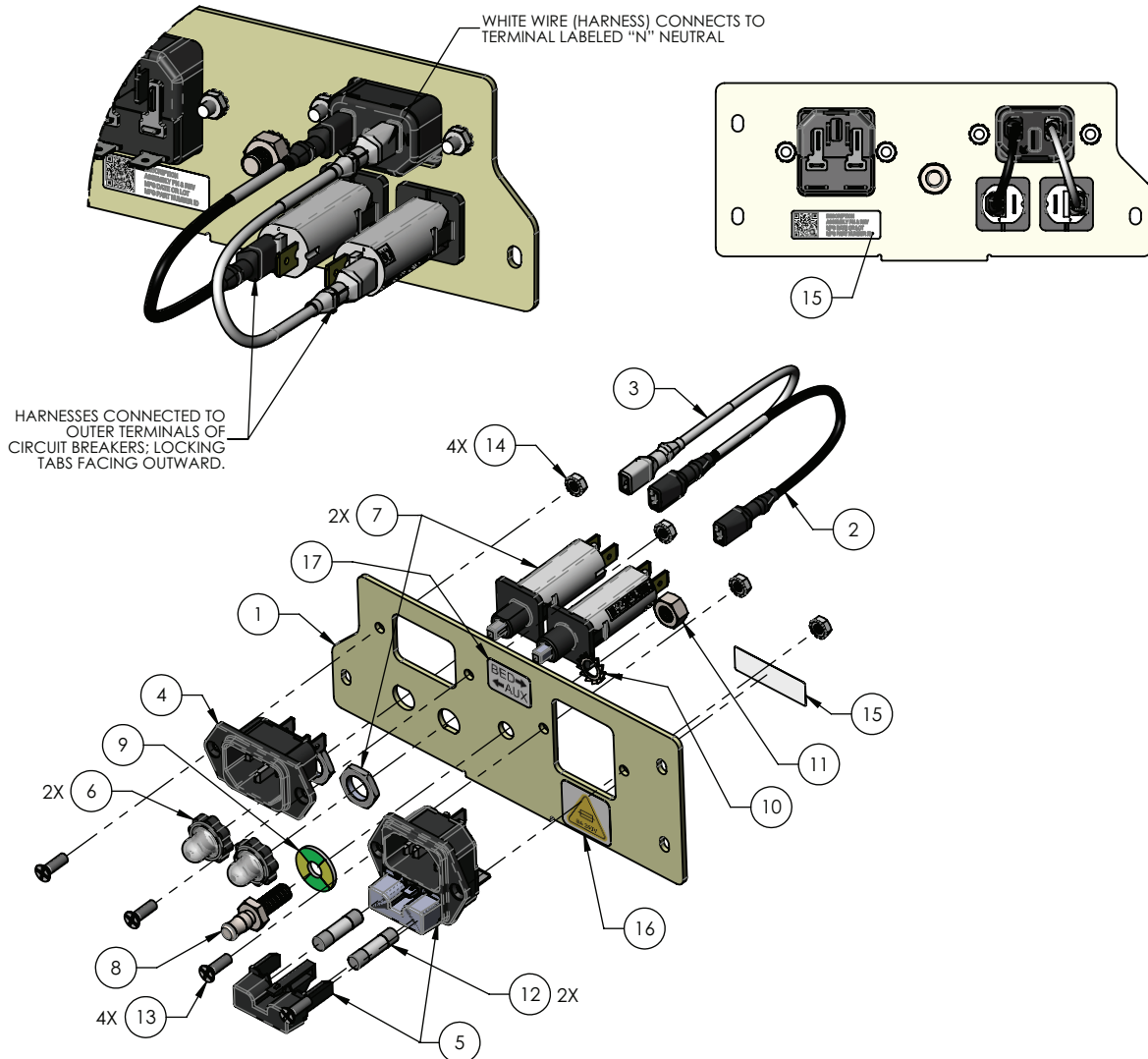
5900200164 Rev B (Reference only)



| Item | Number | Name | Quantity |
|------|-------------|--------------------------------------|----------|
| 1 | 5900520236P | Bracket, HRNS support span S1 plated | 1 |
| 2 | 5900690091 | Label, DC harness position indicator | 1 |
| 3 | 5900350052 | Clip, latching push-barb mount Ø.38" | 6 |

AC inlet 120V electrical assembly - 5900280029

Rev C (Reference only)

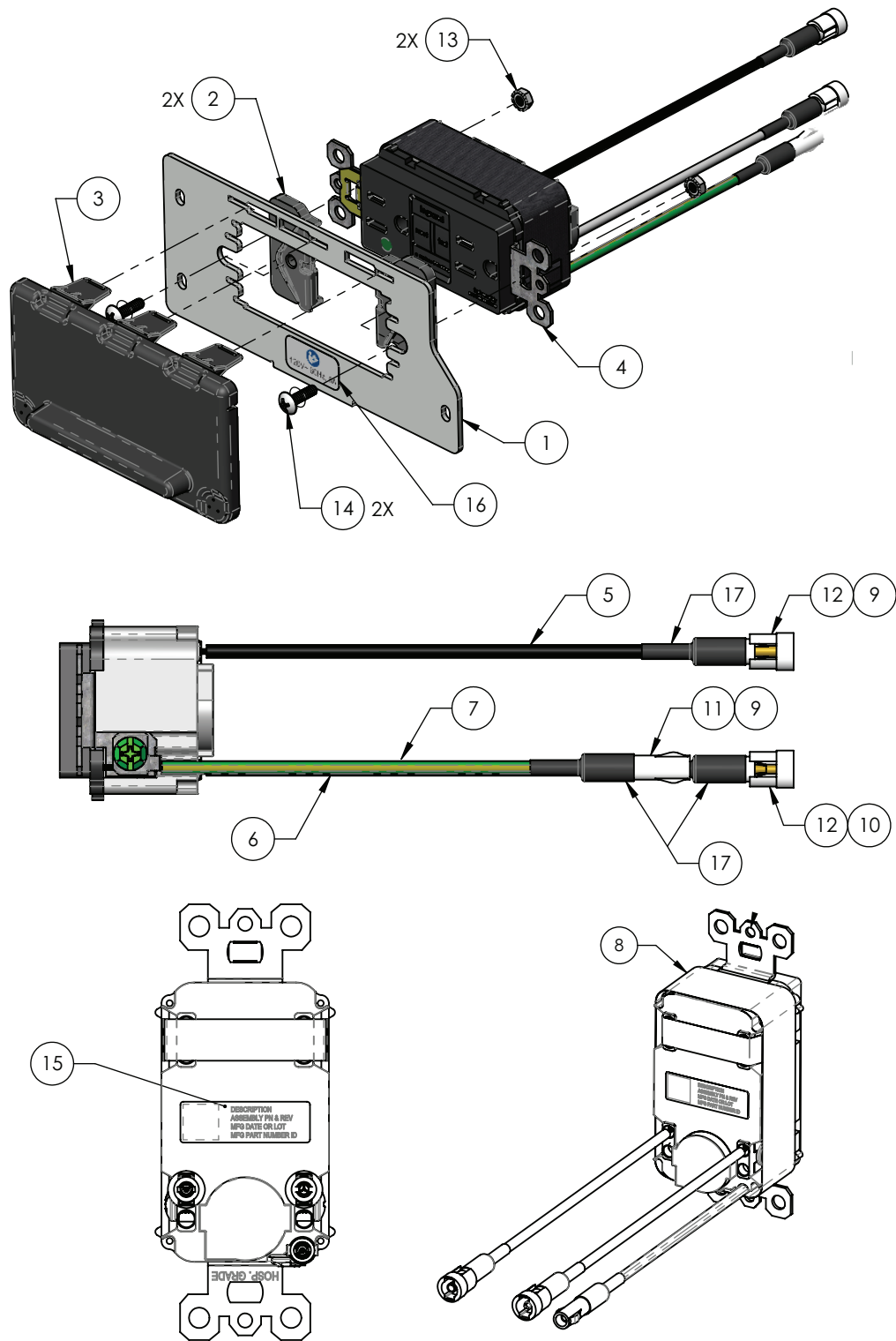


| Item | Number | Name | Quantity |
|------|----------------|--|----------|
| 1 | 5900540280 | Faceplate, IEC320 inlet ZnPI yellow | 1 |
| 2 | 5900430110 | HRNS, AC jumper line hot | 1 |
| 3 | 5900430111 | HRNS, AC jumper line neu | 1 |
| 4 | Reference only | Inlet, IEC 320-C14 15A 250V wo/fuse | 1 |
| 5 | Reference only | Inlet, IEC 320-C14 10A 250V w/fuse | 1 |
| 6 | Reference only | Cover, circuit breaker T9-311 | 2 |
| 7 | Reference only | Circuit breaker, therm 6A 240V | 2 |
| 8 | Reference only | Equipotential connecting pin POAG-S6/15 | 1 |
| 9 | Reference only | Equipotential color coded washer FR-POAG-S | 1 |
| 10 | Reference only | Equipotential serrated lock washer F/M6 | 1 |

| Item | Number | Name | Quantity |
|------|----------------|---|----------|
| 11 | Reference only | Equipotential nut MU0, 8D/M6 | 1 |
| 12 | Reference only | Fuse, cartridge 215 series 5x20mm slow 2 8A 250V | 2 |
| 13 | Reference only | Screw, flat ph #6-32x7/16" ZnPI ASME B18.6.3 | 4 |
| 14 | Reference only | Nut, hex keps #6-32x1/4" ext lock Gr2 ZnPI | 4 |
| 15 | Reference only | Label, ID generic serial & QR code | 1 |
| 16 | 5900180119 | Label, 8A 250V fuse | 1 |
| 17 | 5900180121 | Label, IEC identification | 1 |

Auxiliary outlet 120V electrical assembly

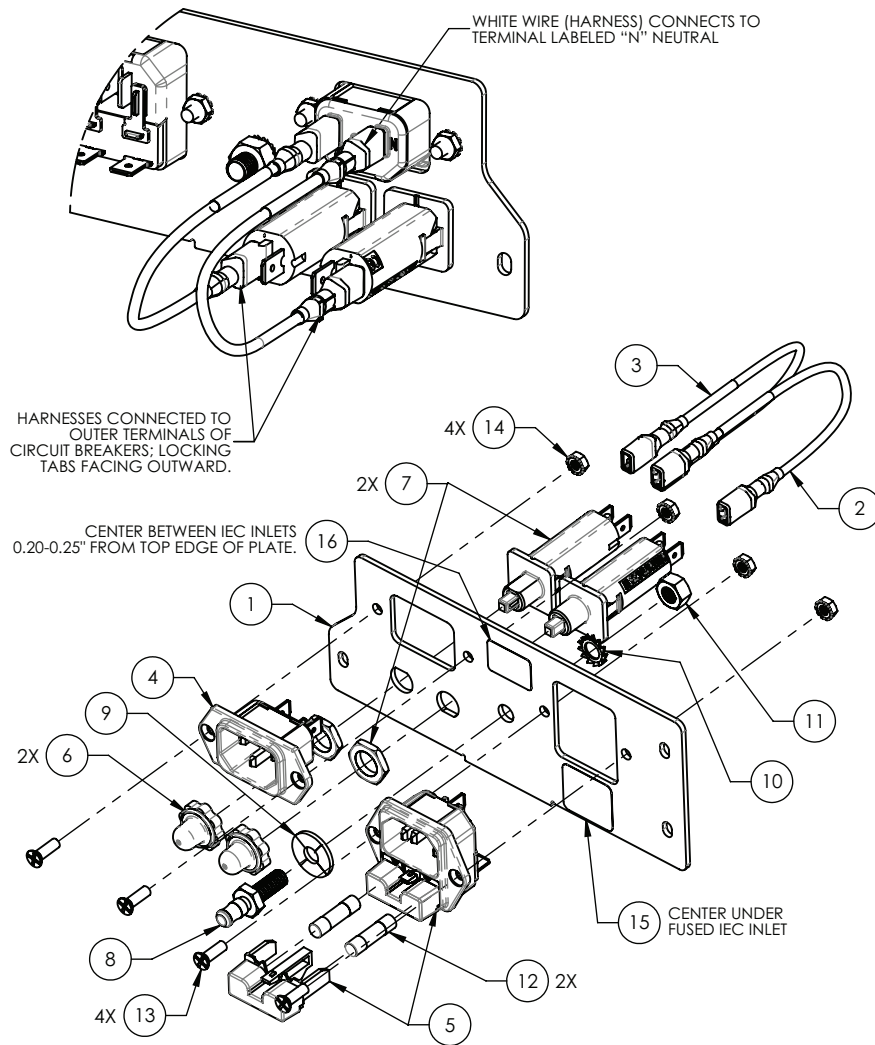
5900280031 Rev D (Reference only)



| Item | Number | Name | Quantity |
|------|----------------|---|----------|
| 1 | 5900540222 | Faceplate, aux outlet 120V | 1 |
| 2 | 5900600078 | Clip, aux outlet isolate | 2 |
| 3 | 5900600069 | Cover, NEMA aux outlet cover TPV w/ magnets | 1 |
| 4 | Reference only | Outlet, NEMA 5-15R 15A/125V hg tr GFCI | 1 |
| 5 | Reference only | Wire, hook-up strnd 14AWG blk UL1015 | |
| 6 | Reference only | Wire, hook-up strnd 14AWG wht UL1015 | |
| 7 | Reference only | Wire, hook-up strnd 14AWG grn-yel UL1015 | |
| 8 | Reference only | Tape, UL510 flame-retardant | |
| 9 | Reference only | Conn, std .093 crimp term 42477 fem 14-18AWG | 2 |
| 10 | Reference only | Conn, std .093 crimp term 42478 male 14-18AWG | 1 |
| 11 | Reference only | Conn, 2.36mm std .093 pin & socket rec housing 1P | 1 |
| 12 | Reference only | Conn, 2.36mm std .093 pin & socket PL HSG 1P | 2 |
| 13 | Reference only | Nut, hex keps #6-32x1/4" ext lock Gr2 ZnPI | 2 |
| 14 | Reference only | Screw, xtra wide truss ph #6-32x1/2" 18-8 ss | 2 |
| 15 | Reference only | Label, ID generic serial & QR code | 1 |
| 16 | 5900180095 | Label, aux mains, 120V | 1 |
| 17 | Reference only | Heat shrink, dual-wall polyolefin 3:1 UL-CSA blk | |

AC inlet 230V electrical assembly - 5900280030

Rev B (Reference only)

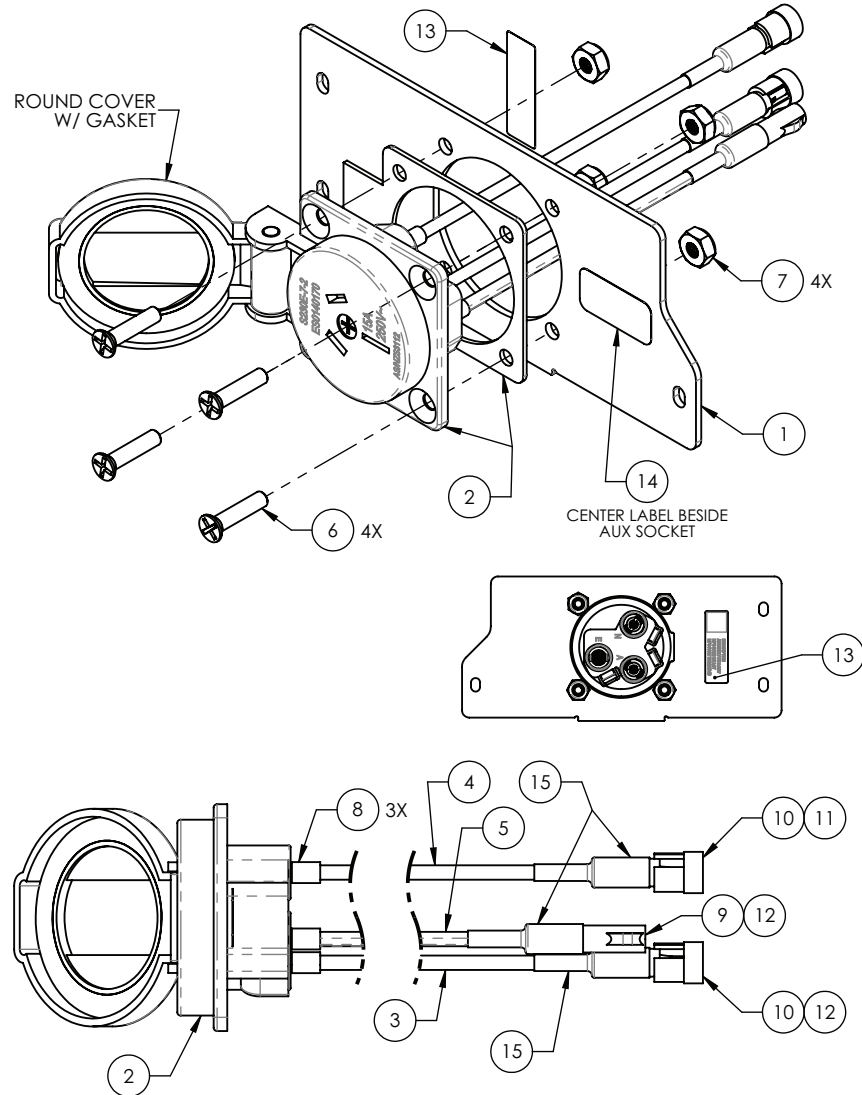


| Item | Number | Name | Quantity |
|------|----------------|--|----------|
| 1 | 5900540221P | Faceplate, IEC320 inlet | 1 |
| 2 | 5900430110 | HRNS, AC jumper line hot | 1 |
| 3 | 5900430111 | HRNS, AC jumper line neu | 1 |
| 4 | Reference only | Inlet, IEC 320-C14 15A 250V wo/fuse | 1 |
| 5 | Reference only | Inlet, IEC 320-C14 10A 250V w/fuse | 1 |
| 6 | Reference only | Cover, circuit breaker T9-311 | 2 |
| 7 | Reference only | Circuit breaker, therm 3A 240V | 2 |
| 8 | Reference only | Equipotential connecting pin | 1 |
| 9 | Reference only | Equipotential color coded washer | 1 |
| 10 | Reference only | Equipotential serrated lock washer | 1 |
| 11 | Reference only | Equipotential nut | 1 |
| 12 | Reference only | Fuse, cartridge 215 series 5x20mm slow 2 4A 250V | 2 |
| 13 | Reference only | Screw, flat ph #6-UNC x 0.4375 | 4 |
| 14 | Reference only | Nut, hex kep #6-UNC x 0.25 | 4 |

| Item | Number | Name | Quantity |
|-------------|---------------|---------------------------|-----------------|
| 15 | 5900180120 | Label, 4A 250V fuse | 1 |
| 16 | 5900180121 | Label, IEC identification | 1 |

Auxiliary outlet 230V electrical assembly AS/NZS

5900280048 Rev E (Reference only)



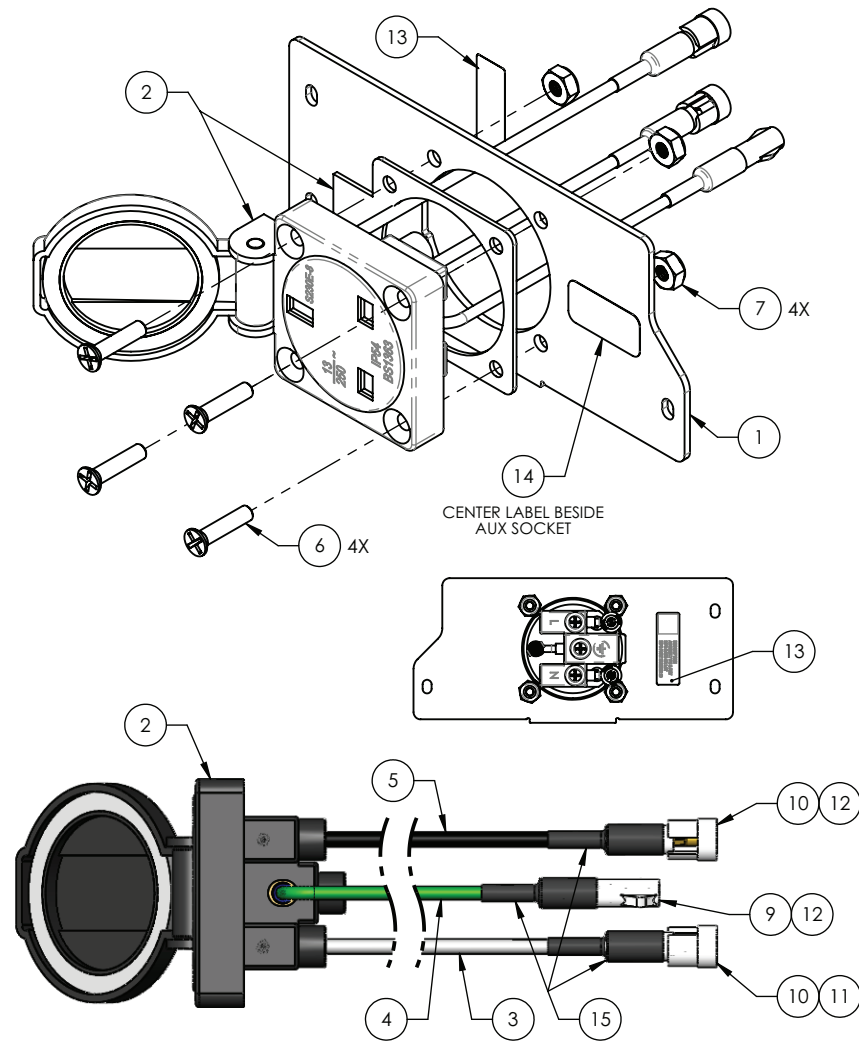
*NOT ALL COMPONENTS SHOWN FOR CLARITY

| Item | Number | Name | Quantity |
|------|----------------|----------------------------|----------|
| 1 | 5900540274 | Faceplate, aux outlet 230V | 1 |
| 2 | Reference only | Socket, panel | 1 |
| 3 | Reference only | Wire, hook-up | |
| 4 | Reference only | Wire, hook-up | |
| 5 | Reference only | Wire, hook-up | |
| 6 | Reference only | Pan head screw | 4 |
| 7 | Reference only | Nylock hex nut | 4 |
| 8 | Reference only | Connector | 3 |
| 9 | Reference only | Connector | 1 |
| 10 | Reference only | Connector | 2 |
| 11 | Reference only | Connector | 1 |
| 12 | Reference only | Connector | 2 |

| Item | Number | Name | Quantity |
|-------------|----------------|------------------------------------|-----------------|
| 13 | Reference only | Label, ID generic serial & QR code | 1 |
| 14 | 5900180096 | Label, aux mains, 230V | 1 |
| 15 | Reference only | Heat shrink | |

Auxiliary outlet 230V electrical assembly UK/IRE

5900280049 Rev E (Reference only)



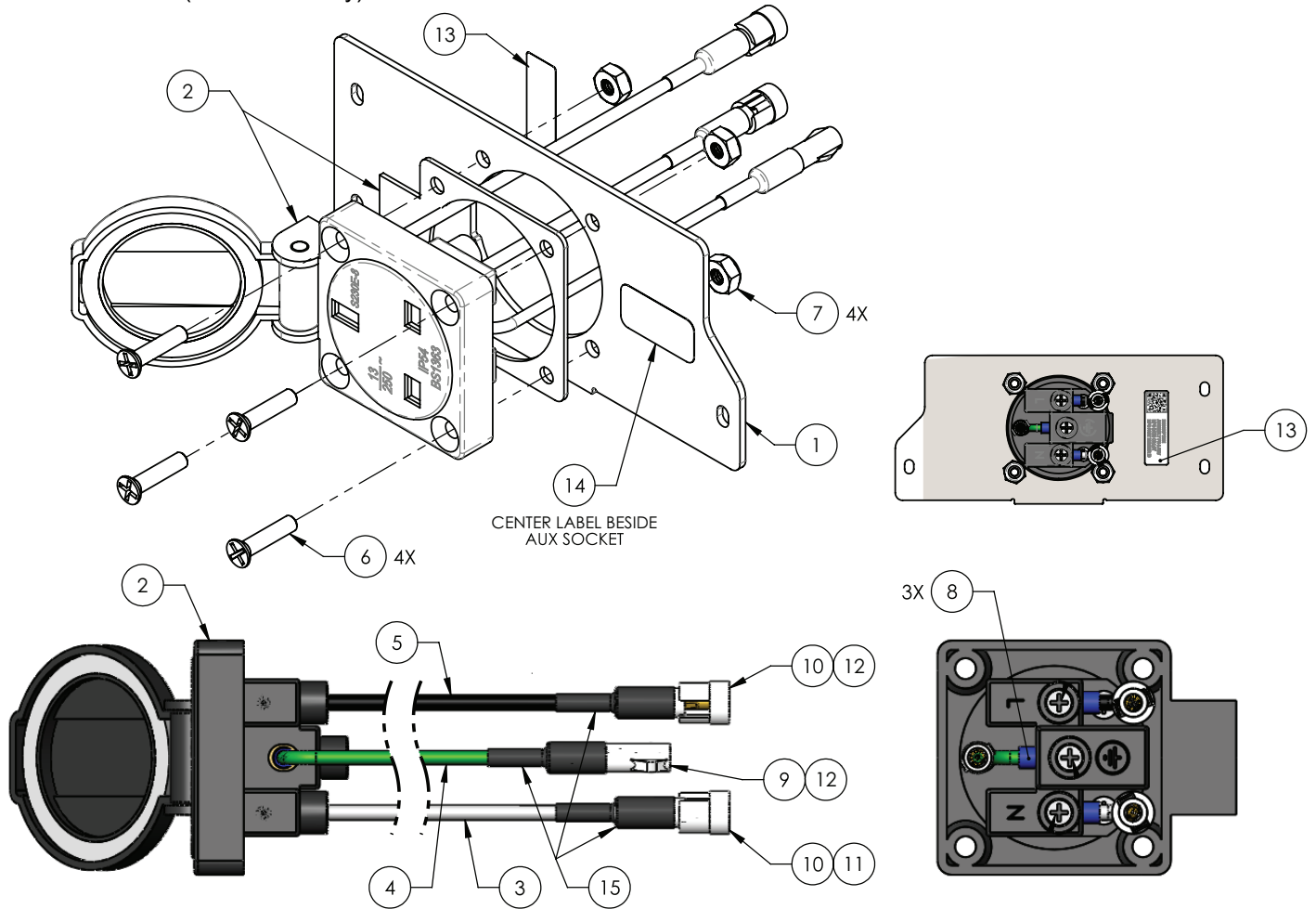
*NOT ALL COMPONENTS SHOWN FOR CLARITY

| Item | Number | Name | Quantity |
|------|----------------|---|----------|
| 1 | 5900540274 | Faceplate, aux outlet 230V | 1 |
| 2 | Reference only | Socket, panel UK BS 13A 250V~IP54 | 1 |
| 4 | Reference only | Wire, hook-up strnd 14AWG wht UL1015 | |
| 5 | Reference only | Wire, hook-up strnd 14AWG grn-yel UL1015 | |
| 3 | Reference only | Wire, hook-up strnd 14AWG blk UL1015 | |
| 6 | Reference only | Screw, flat ph #8-32x3/4" ZnPI ASME B18.6.3 | 4 |
| 7 | Reference only | Nut, thin hex nylock #8-32x11/64" UNC ZnPI GR2 | 4 |
| 8 | Reference only | Conn, Ferrule insul 14AWG 12mm LG barrell BLU ULr | 3 |
| 9 | Reference only | Conn, 2.36mm std .093 pin & socket rec 1 housing 1P | 1 |
| 10 | Reference only | Conn, 2.36mm std .093 pin & socket PL 2 HSG 1P | 2 |

| Item | Number | Name | Quantity |
|------|----------------|--|----------|
| 11 | Reference only | Conn, std .093 crimp term 42478 male 14-18AWG | 1 |
| 12 | Reference only | Conn, std .093 crimp term 42477 fem 14-18AWG | 2 |
| 13 | Reference only | Label, ID generic serial & QR code | 1 |
| 14 | 5900180096 | Label, aux mains, 230V | 1 |
| 15 | Reference only | Heat shrink, dual-wall polyolefin 3:1 UL- CSA blk | |

Auxiliary outlet 220-240V electrical assembly (SA/ME)

5900280050 Rev A (Reference only)



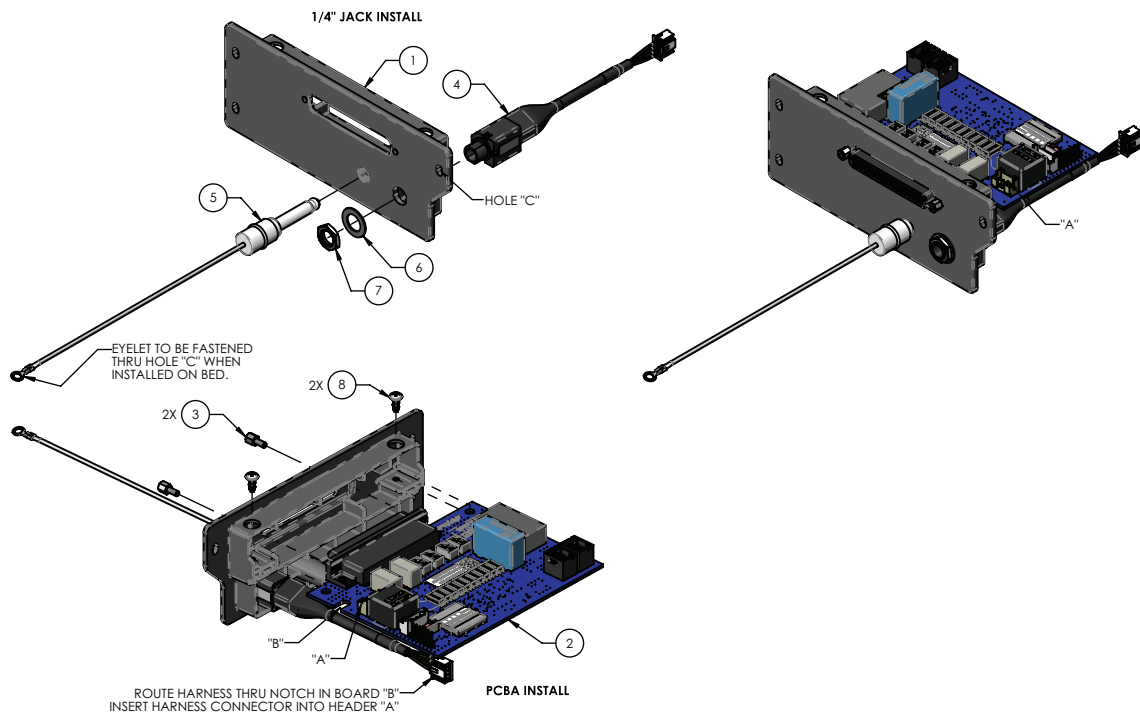
*NOT ALL COMPONENTS SHOWN FOR CLARITY

| Item | Number | Name | Quantity |
|------|----------------|---|----------|
| 1 | 5900540274 | Faceplate, aux outlet 230V | 1 |
| 2 | Reference only | Socket, panel UK BS 13A 250V~IP54 | 1 |
| 4 | Reference only | Wire, hook-up strnd 14AWG wht UL1015 | A/R |
| 5 | Reference only | Wire, hook-up strnd 14AWG grn-yel UL1015 | A/R |
| 3 | Reference only | Wire, hook-up strnd 14AWG blk UL1015 | A/R |
| 6 | Reference only | Screw, flat ph #8-32x3/4" ZnPI ASME | 4 |
| 7 | Reference only | Nut, thin hex nylock #8-32x11/64" UNC ZnPI GR2 | 4 |
| 8 | Reference only | Conn, Ferrule ins 14AWG 12mm LG barrell BLU ULr | 3 |
| 9 | Reference only | Conn, 2.36mm std .093 pin & socket rec 1 housing 1P | 1 |
| 10 | Reference only | Conn, 2.36mm std .093 pin & socket PL HSG 1P | 2 |
| 11 | Reference only | Conn, std .093 crimp term 42478 male 14-18AWG | 1 |

| Item | Number | Name | Quantity |
|------|----------------|--|----------|
| 12 | Reference only | Conn, std .093 crimp term 42477 fem 14-18AWG | 2 |
| 13 | Reference only | Label, ID generic serial & QR code | 1 |
| 14 | 5900180100 | Label, aux mains, 220-240V | 1 |
| 15 | Reference only | Heat shrink, dual-wall polyolefin 3:1 UL- CSA blk | A/R |

DB37 electrical assembly - 5900280033

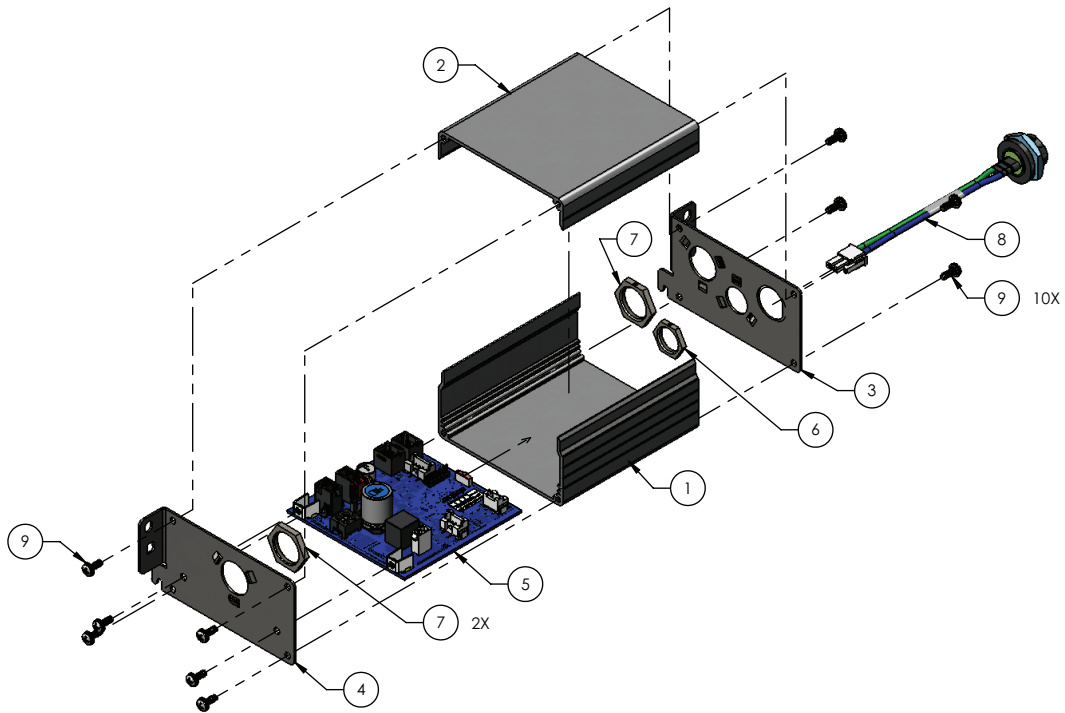
Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|------------|---|----------|
| 1 | 5900600079 | Faceplace, DB37 | 1 |
| 2 | 5900400038 | PCBA, IOM PSI | 1 |
| 3 | 5900370103 | Standoff, #4-40 x 0.250 m-f threaded | 2 |
| 4 | 5900430148 | HRNS, panel jack 1/4" | 1 |
| 5 | 5900350048 | 1/4" dummy plug, plastic, white, 6" poly cord | 1 |
| 6 | 5900320026 | Washer, flat 3/8 x 0.625 x 0.025 | 1 |
| 7 | 5900310023 | Nut, hex ms 3/8-uneef | 1 |
| 8 | 5900340008 | Screw, pan ph #6-unc x 0.313 hi-lo | 2 |

IOM ACB-EHA head lift electrical assembly

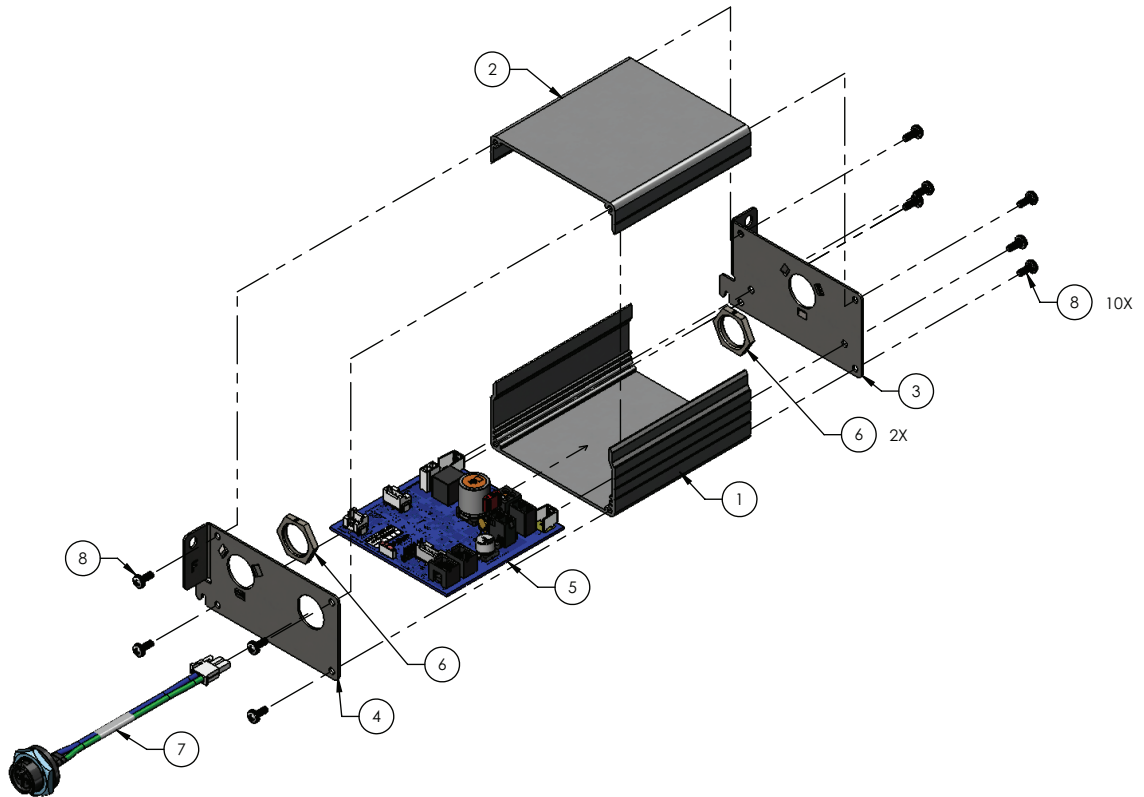
5900280042 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900580006 | Box extrusion, IOM ACB elec base | 1 |
| 2 | 5900580007 | Box extrusion, IOM ACB elec lid | 1 |
| 3 | 5900520238 | Bracket, encl-IOM ACB end plate (A) | 1 |
| 4 | 5900520239 | Bracket, encl-IOM ACB end plate (B) | 1 |
| 5 | 590040004401 | PCBA, IOM ACB hi-lo head | 1 |
| 6 | 5900410056 | Locknut, skindicht sm-m m16x1.5 | 1 |
| 7 | 5900410057 | Locknut, skindicht sm-m m20x1.5 | 2 |
| 8 | 5900430118 | HRNS, act PCBA to pnl parker motor | 1 |
| 9 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 10 |

IOM ACB-EHA foot lift electrical assembly

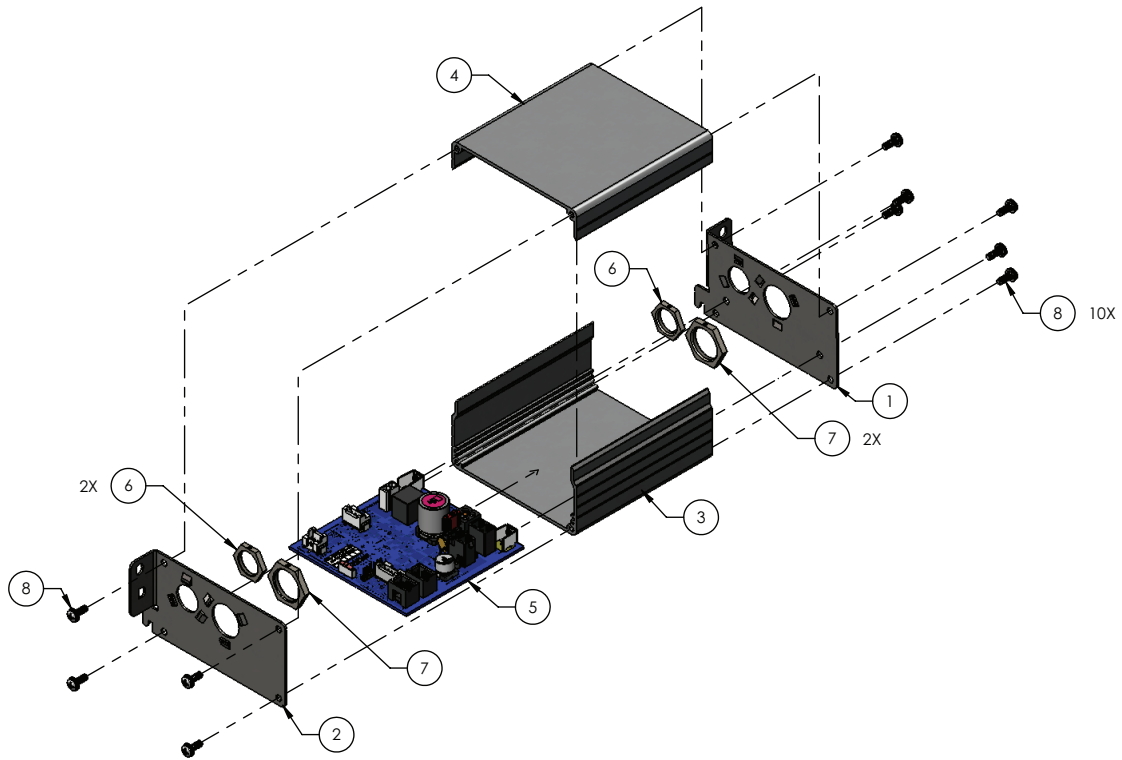
5900280043 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900580006 | Box extrusion, IOM ACB elec base | 1 |
| 2 | 5900580007 | Box extrusion, IOM ACB elec lid | 1 |
| 3 | 5900520244 | Bracket, encl-IOM ACB end plate (G) | 1 |
| 4 | 5900520243 | Bracket, encl-IOM ACB end plate (F) | 1 |
| 5 | 590040004402 | PCBA, IOM ACB hi-lo foot | 1 |
| 7 | 5900410057 | Locknut, skindicht sm-m m20x1.5 | 2 |
| 8 | 5900430118 | HRNS, act PCBA to pnl parker motor | 1 |
| 9 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 10 |

IOM ACB-head deck electrical assembly

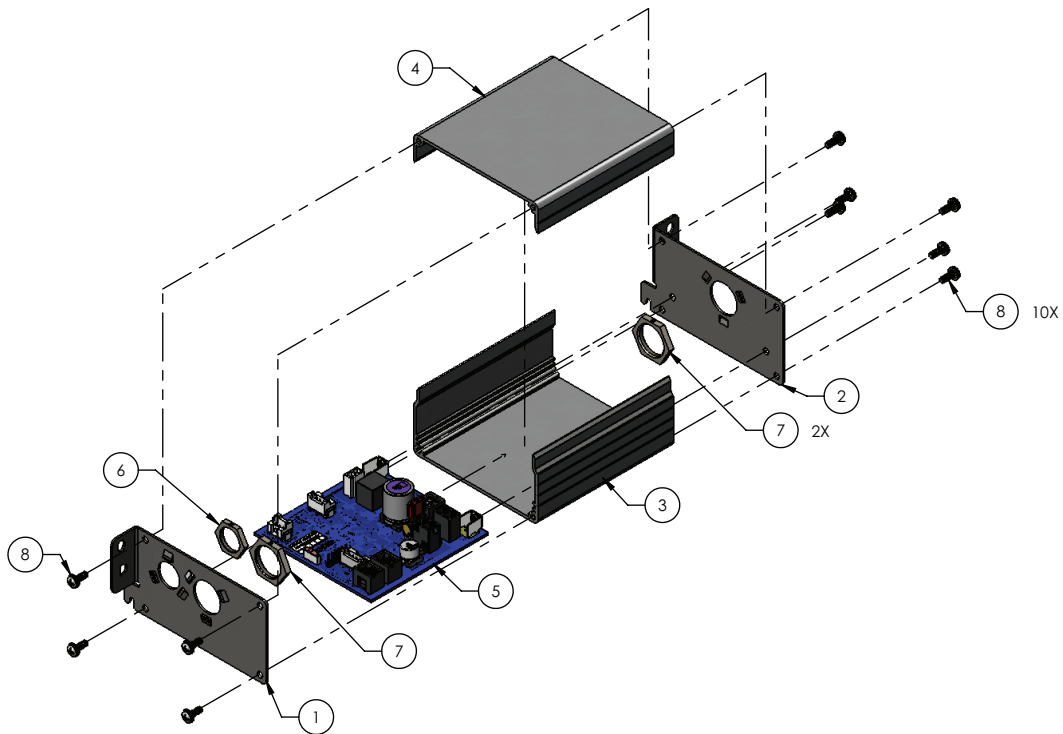
5900280044 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900520240 | Bracket, encl-IOM ACB end plate (C) | 1 |
| 2 | 5900520241 | Bracket, encl-IOM ACB end plate (D) | 1 |
| 3 | 5900580006 | Box extrusion, IOM ACB elec base | 1 |
| 4 | 5900580007 | Box extrusion, IOM ACB elec lid | 1 |
| 5 | 590040004403 | PCBA, IOM ACB head | 1 |
| 6 | 5900410056 | Locknut, skindicht sm-m m16x1.5 | 2 |
| 7 | 5900410057 | Locknut, skindicht sm-m m20x1.5 | 2 |
| 8 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 10 |

IOM ACB-knee deck electrical assembly

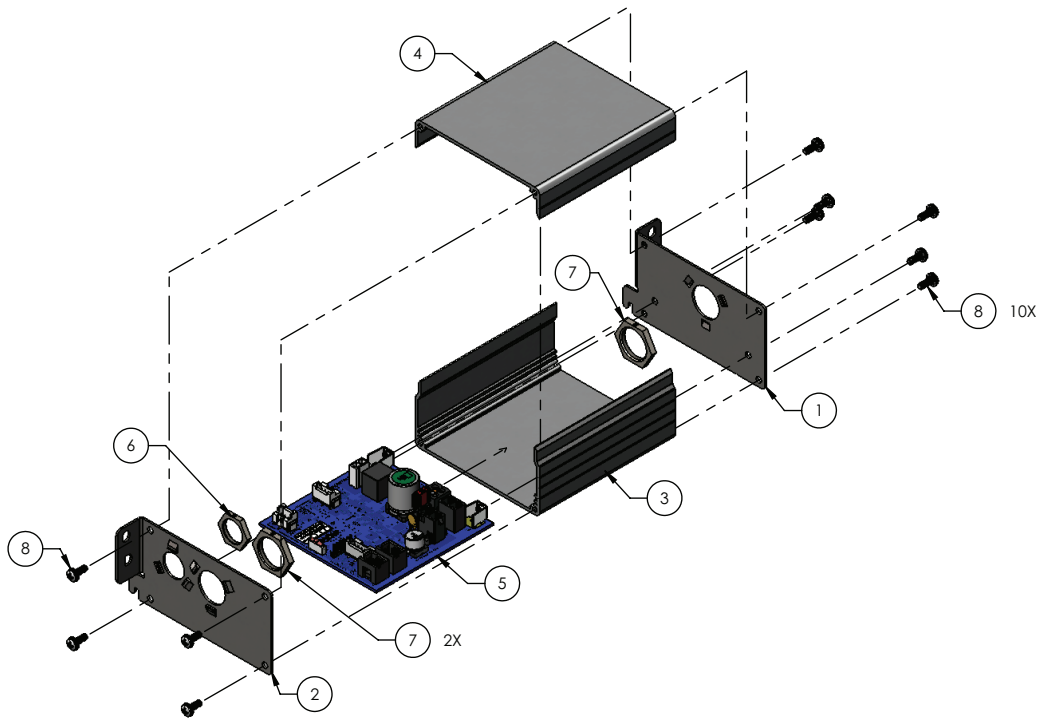
5900280045 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900520241 | Bracket, encl-IOM ACB end plate (D) | 1 |
| 2 | 5900520242 | Bracket, encl-IOM ACB end plate (E) | 1 |
| 3 | 5900580006 | Box extrusion, IOM ACB elec base | 1 |
| 4 | 5900580007 | Box extrusion, IOM ACB elec lid | 1 |
| 5 | 590040004404 | PCBA, IOM ACB knee | 1 |
| 6 | 5900410056 | Locknut, skindicht sm-m m16x1.5 | 2 |
| 7 | 5900410057 | Locknut, skindicht sm-m m20x1.5 | 2 |
| 8 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 10 |

IOM ACB-foot deck electrical assembly

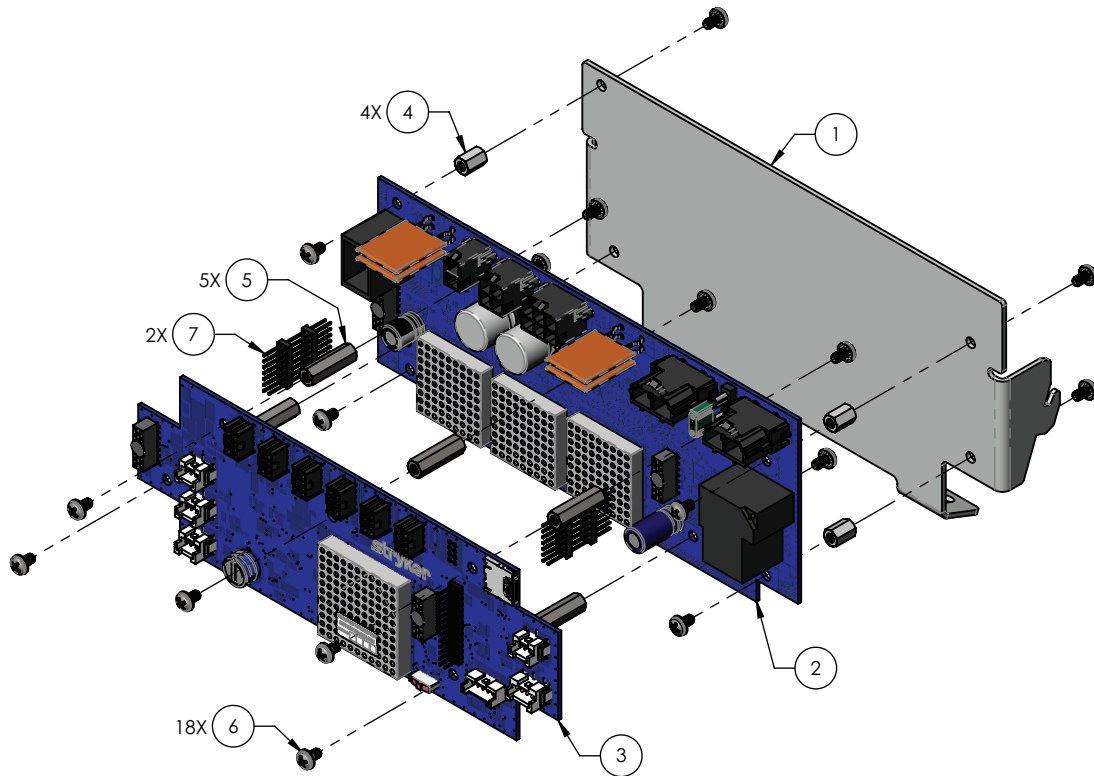
5900280046 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900520244 | Bracket, encl-IOM ACB end plate (G) | 1 |
| 2 | 5900520241 | Bracket, encl-IOM ACB end plate (D) | 1 |
| 3 | 5900580006 | Box extrusion, IOM ACB elec base | 1 |
| 4 | 5900580007 | Box extrusion, IOM ACB elec lid | 1 |
| 5 | 590040004405 | PCBA, IOM ACB foot | 1 |
| 6 | 5900410056 | Locknut, skindicht sm-m m16x1.5 | 2 |
| 7 | 5900410057 | Locknut, skindicht sm-m m20x1.5 | 2 |
| 8 | 5900340071 | Screw, sems pan ph #6-32x3/8lg int wash zinc pl | 10 |

Main power/control electrical assembly - 5900280051

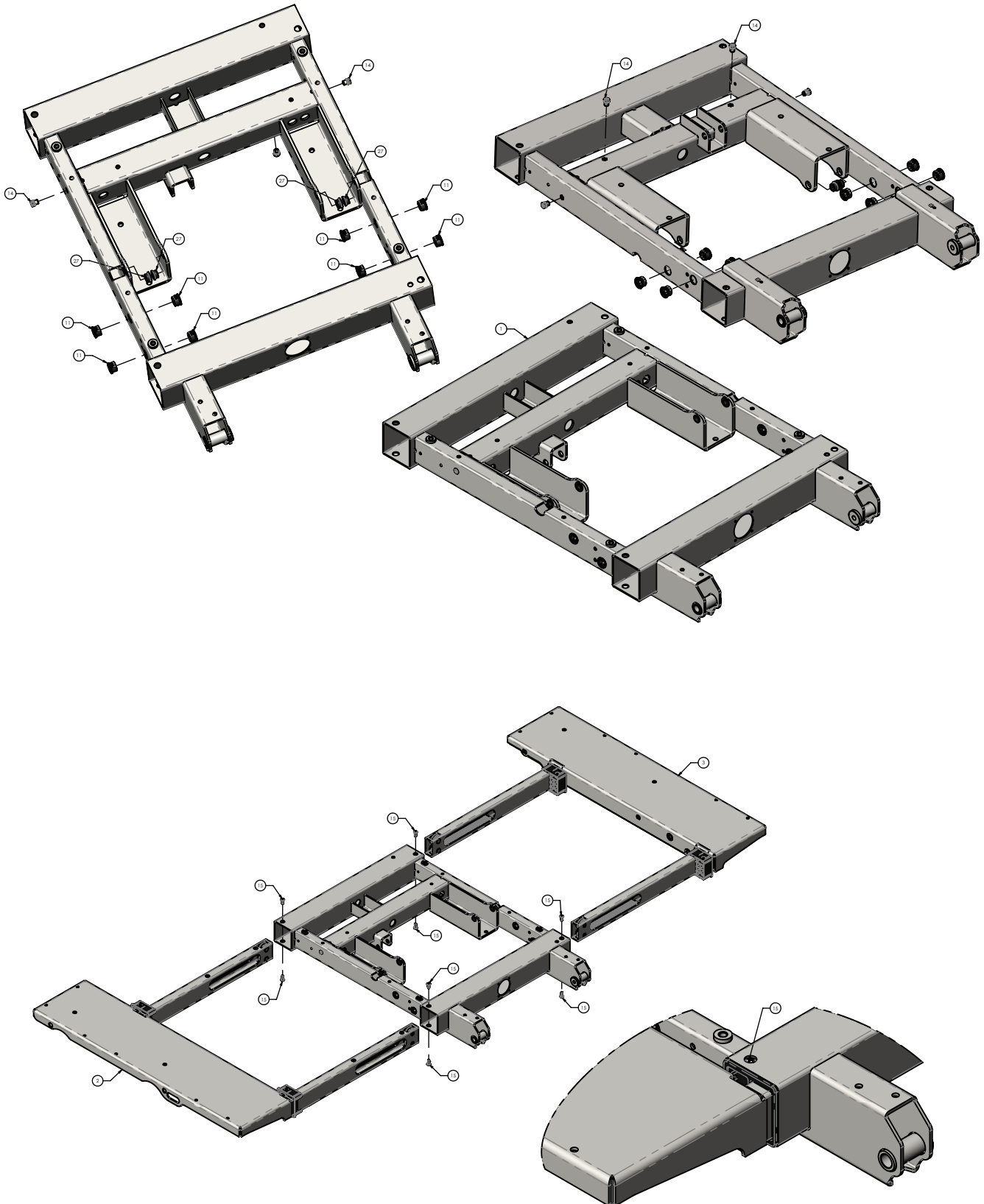
Rev C (Reference only)



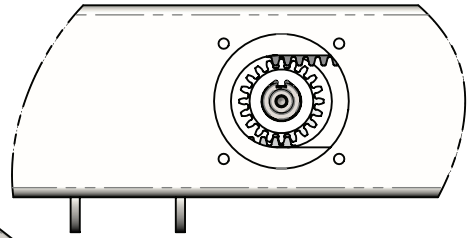
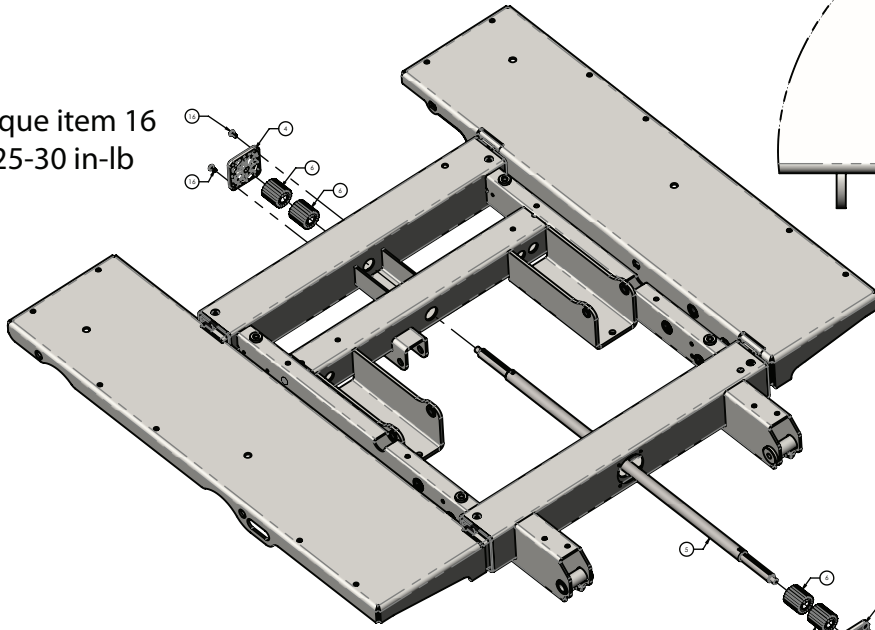
| Item | Number | Name | Quantity |
|------|-------------|--|----------|
| 1 | 5900520235P | Bracket, MCU-PMB support plated | 1 |
| 2 | 5900400040 | PCBA, IOM PMB | 1 |
| 3 | 5900400037 | PCBA, MCU | 1 |
| 4 | 5900370116 | Standoff, f-f #6-32 hex 1/4" x 3/8" lg. ZnPI steel | 4 |
| 5 | 5900370117 | Standoff, f-f #6-32 hex 1/4" x 7/8" lg. 18-8 ss | 5 |
| 6 | 5900340037 | Screw, pan ph sems #6-32 x 0.25" lg. 18-8 ss | 18 |
| 7 | 5900490018 | Conn, 2.54mm board stacker 2x7 pos | 2 |

Deck assembly, head section

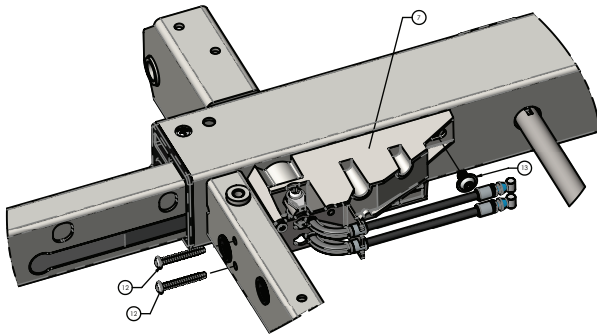
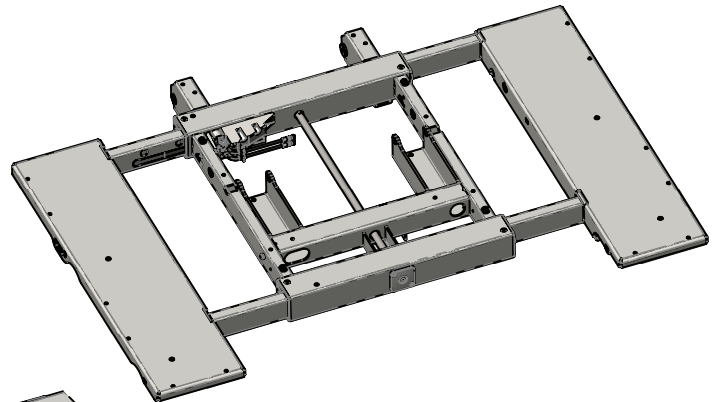
5900200055 Rev E (Reference only)

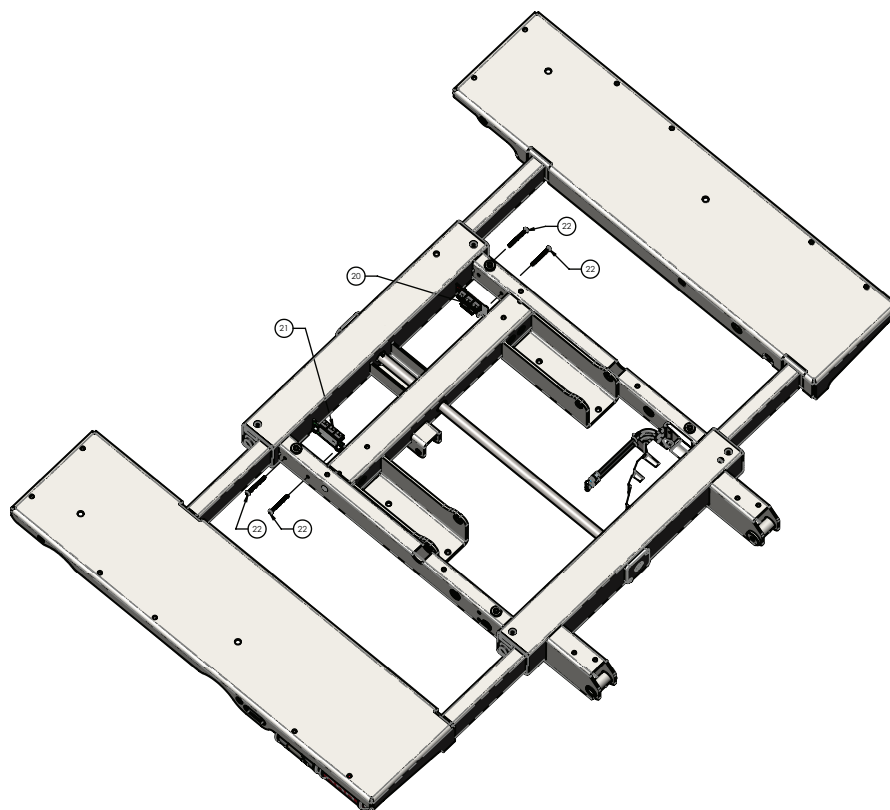
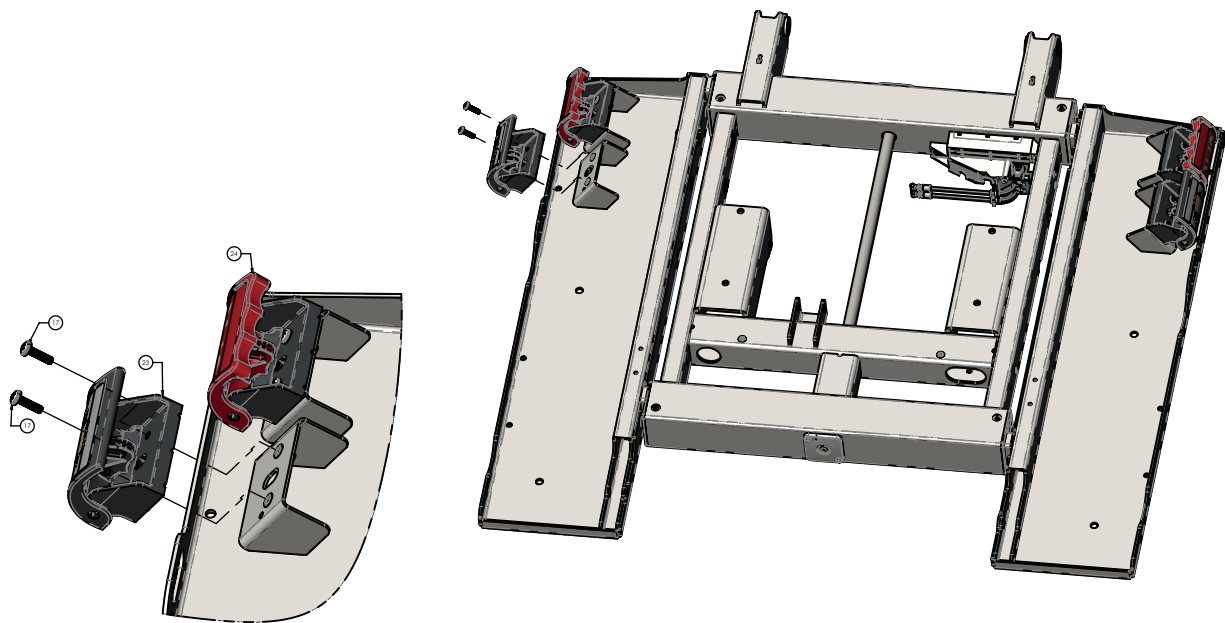


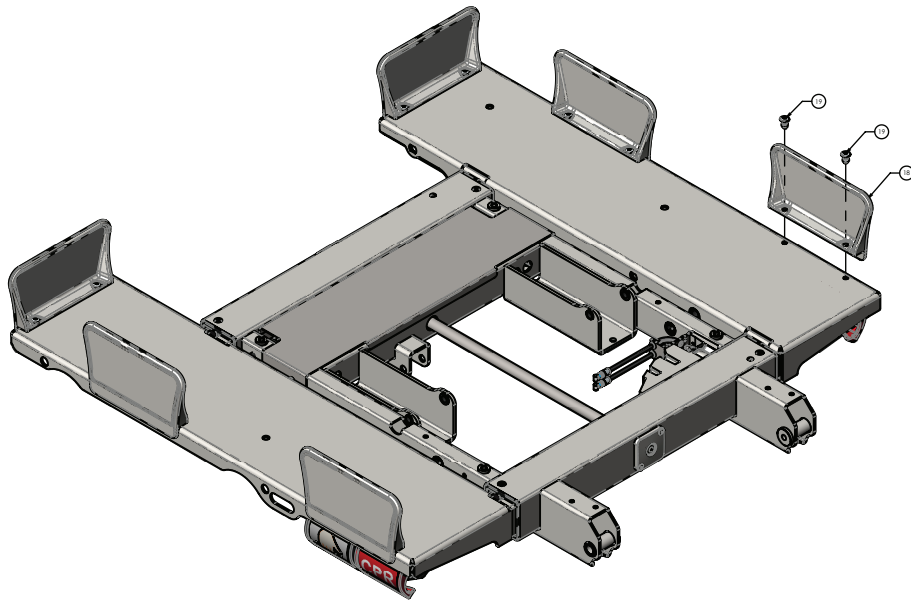
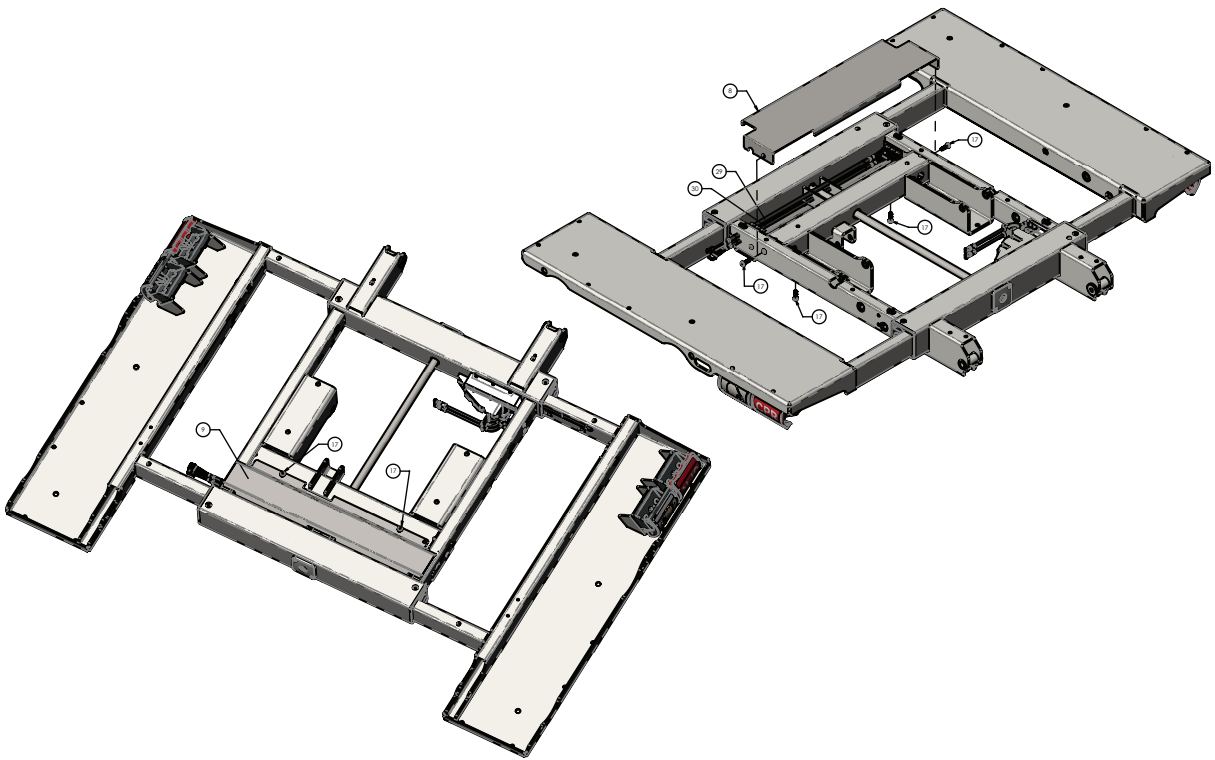
Torque item 16
to 25-30 in-lb

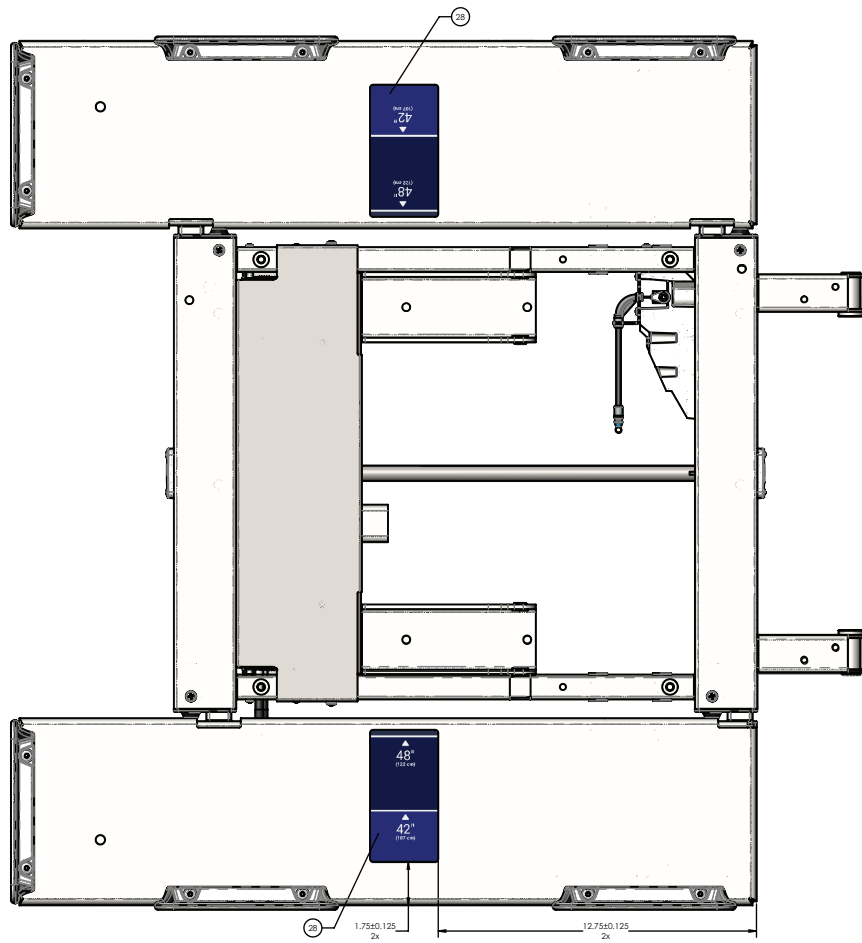


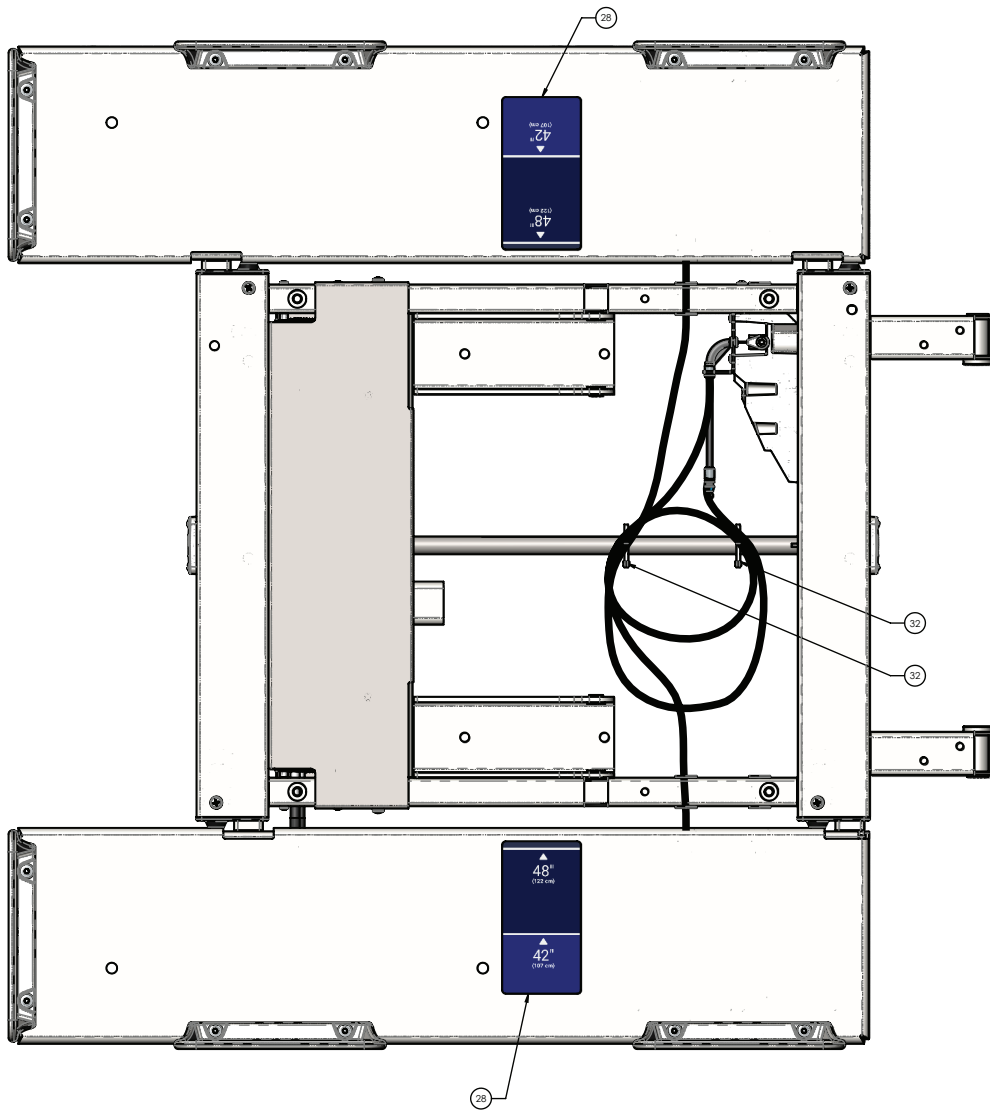
Torque item 16
to 25-30 in-lb

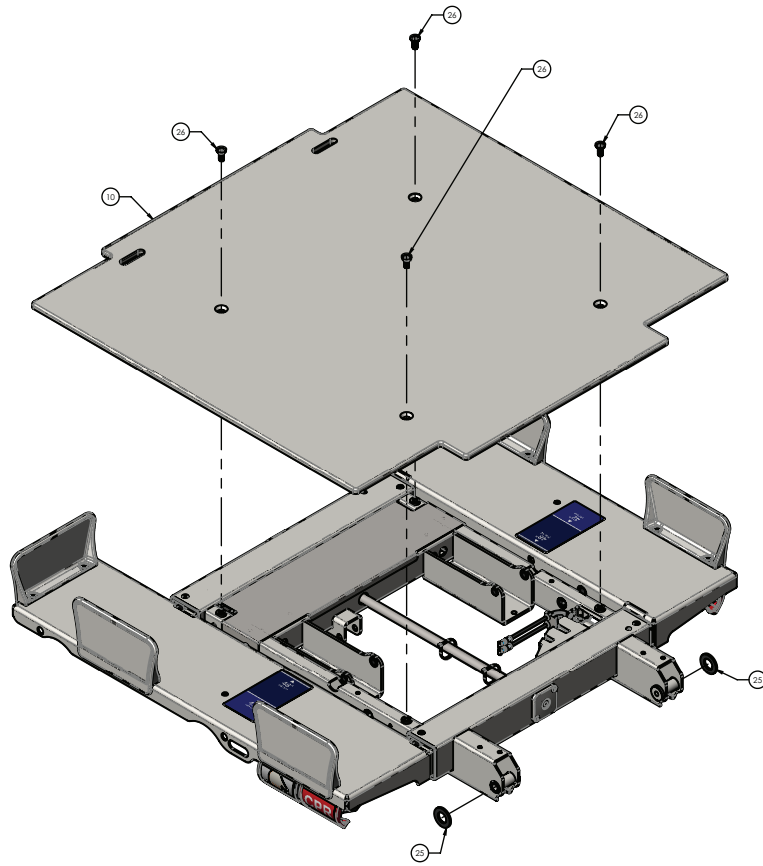


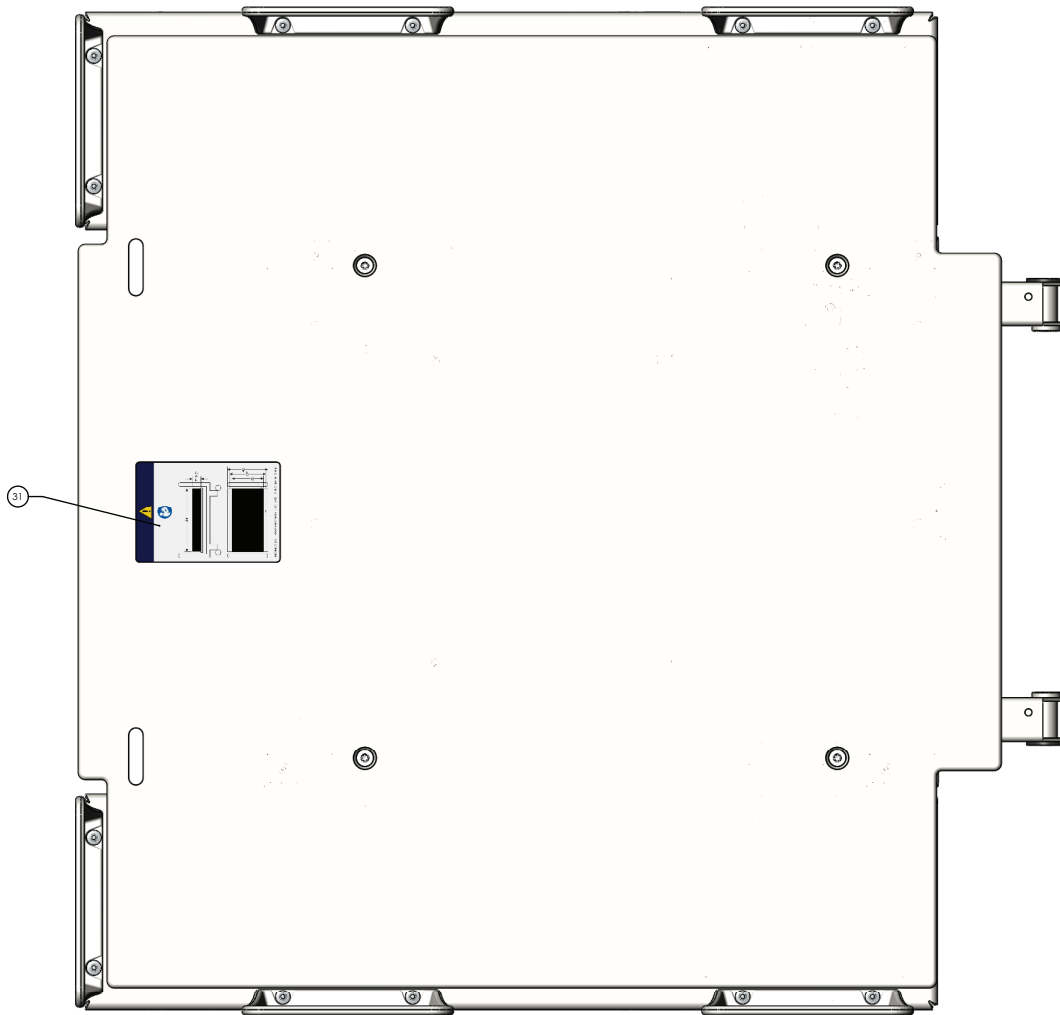










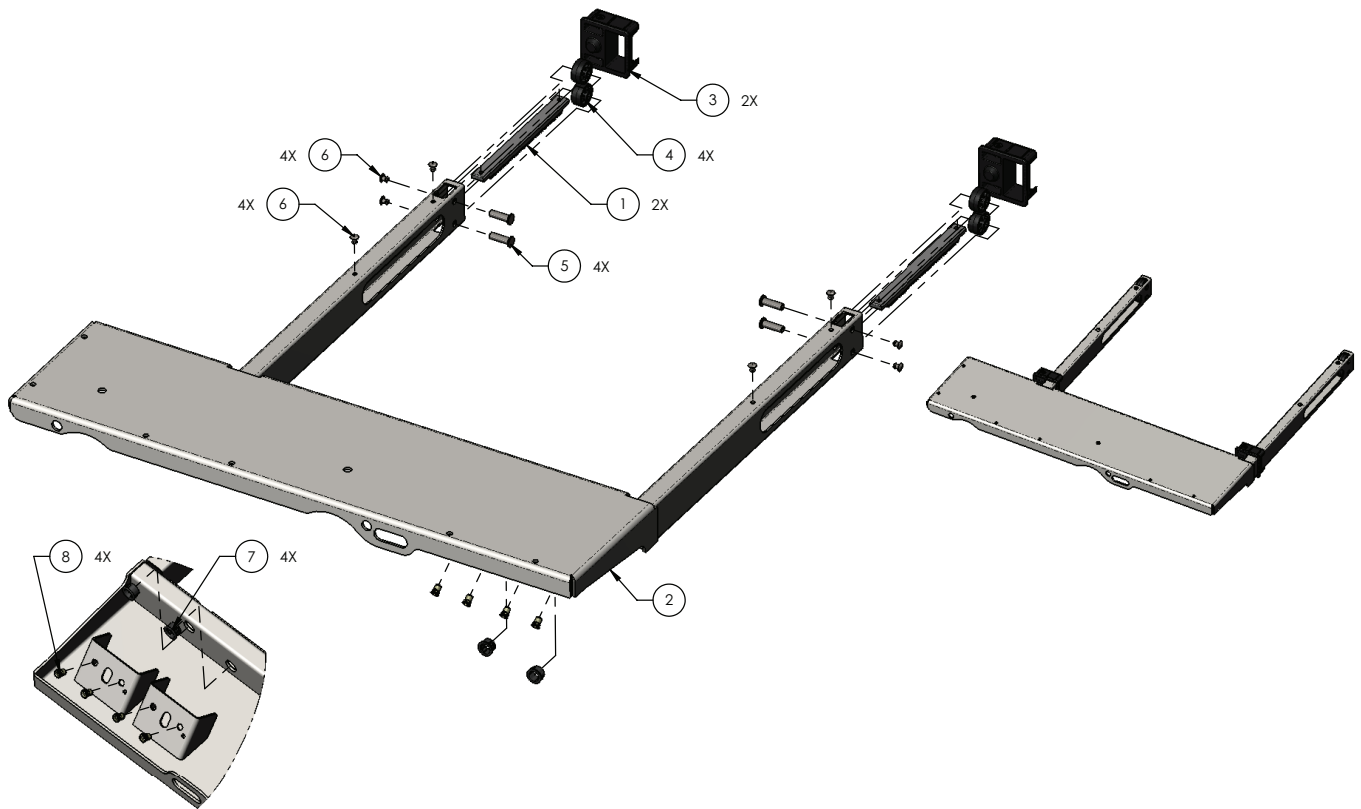


| Item | Number | Name | Quantity |
|------|-------------|--|----------|
| 1 | 5900240042 | Deck weldment, head section | 1 |
| 2 | 5900200068 | Deck pan assembly, head deck, patient right (page 144) | 1 |
| 3 | 5900200069 | Deck pan assembly, head deck, patient left (page 145) | 1 |
| 4 | 5900600007 | Bushing, pinion shaft cover | 2 |
| 5 | 5900500072 | Pinion shaft, head deck | 1 |
| 6 | 5900560003 | Pinion gear, expandable deck | 4 |
| 7 | 5900200051 | Head deck position lock assembly - 5900200051 (page 146) | 1 |
| 8 | 5900520103P | Cover pan, head deck electrical top plated | 1 |
| 9 | 5900520104P | Cover pan, head deck electrical bottom plated | 1 |
| 10 | 5900620007 | Cover, head deck | 1 |
| 11 | 5900370022 | Grommet, push-in locking 5/8" hole | 8 |
| 12 | 5900340105 | Screw, plastite pan head torx #8-16 x 1.25"lg zinc | 2 |

| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 13 | 5900340101 | Screw, rd hd flg hex drive 1/4-unc x 3/8lg zinc | 1 |
| 14 | 5900310020 | Nutsert, #10-unf thick sheet hex body - zinc | 4 |
| 15 | 5900340114 | Screw, plastite pan head ph #10-14 x 1/2" lg znpl | 8 |
| 16 | 5900340017 | Screw, pan ph #8-unc x 0.3125 | 4 |
| 17 | 5900340090 | Screw, sems pan ph #10-32unf x 3/4lg int wash zinc | 12 |
| 18 | 5900600035 | Mattress keeper, short | 6 |
| 19 | 0025-120-000 | Rivet, 1/4 x 0.600" lg blind alum | 12 |
| 20 | 5900400051 | PCBA, jctn hd/ft pl-in/pr-out | 1 |
| 21 | 5900400052 | PCBA, jctn hd/ft pl-out/pr-in | 1 |
| 22 | 5900340097 | Screw, sems pan ph #6-32x1-1/2lg int wash zinc pl | 4 |
| 23 | 5900200159 | <i>Deck expansion handle assembly - 5900200159 (page 178)</i> | 2 |
| 24 | 5900200160 | <i>CPR handle assembly - 5900200160 (page 148)</i> | 2 |
| 25 | 5900320021 | Washer, flat 1.375 x 0.75 x 0.125 acetal | 2 |
| 26 | 5900340081 | Screw, flat Torx head 5/16-18 x 3/4 tri lobe zinc | 4 |
| 27 | 5900330003 | Bushing, flg 0.375x0.500x0.313lg (flg 0.625x0.062) | 4 |
| 28 | 5900690076 | Label, indicator deck width | 2 |
| 29 | 5900430091 | HRNS, jctn pwr-comm int | 1 |
| 30 | 5900430092 | HRNS, jctn nc-sprk int | 1 |
| 31 | 5900180089 | Label, mattress replacement | 1 |
| 32 | 3000-300-113 | Cable tie, nylon 8" LG | 2 |

Deck pan assembly, head deck, patient right

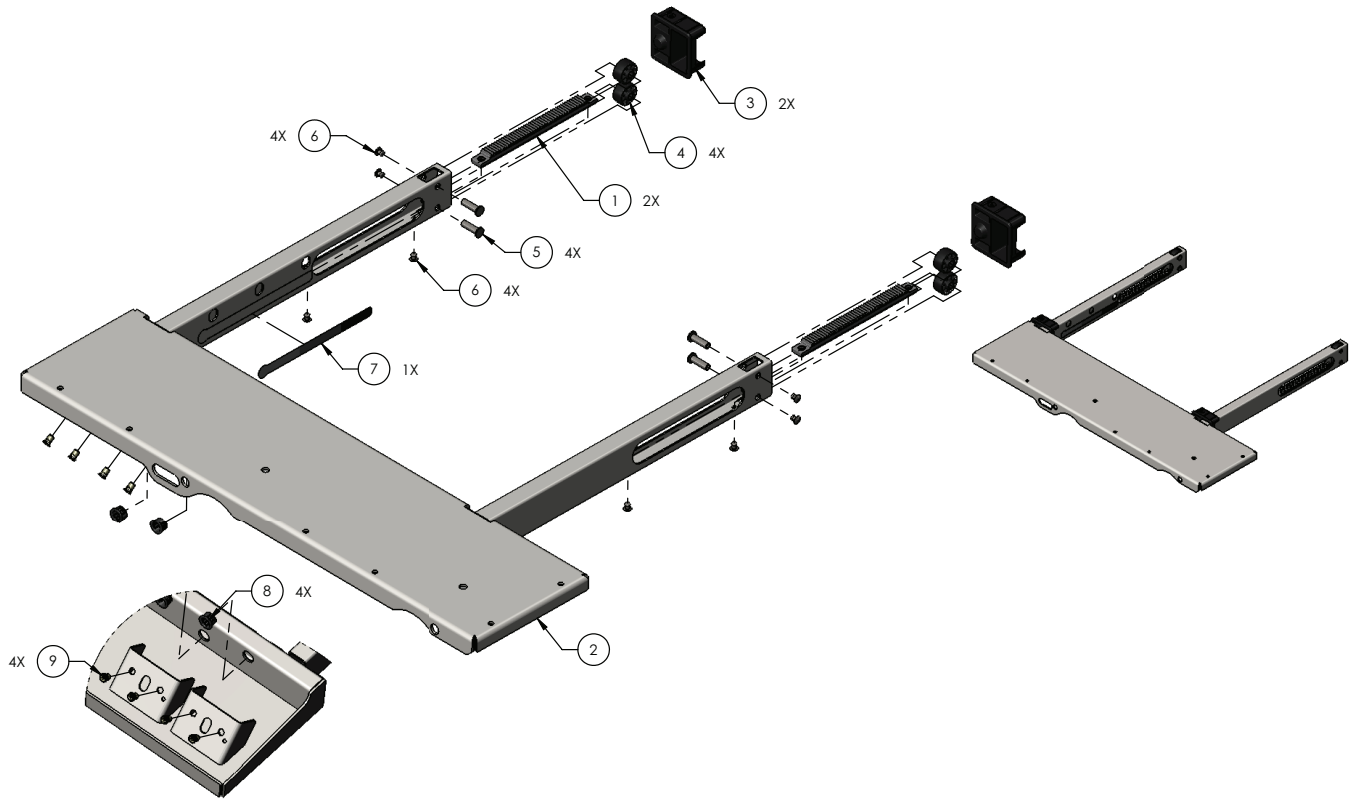
5900200068 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 2 |
| 2 | 5900240043 | Pan weldment, head deck, patient right | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 2 |
| 4 | 5900600034 | Roller, expandable deck | 4 |
| 5 | 5900500028 | Pin, expandable deck roller | 4 |
| 6 | 0025-079-000 | Rivet, 3/16 domed sst | 8 |
| 7 | 5900370022 | Grommet, push-in locking 5/8" hole | 4 |
| 8 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 4 |

Deck pan assembly, head deck, patient left

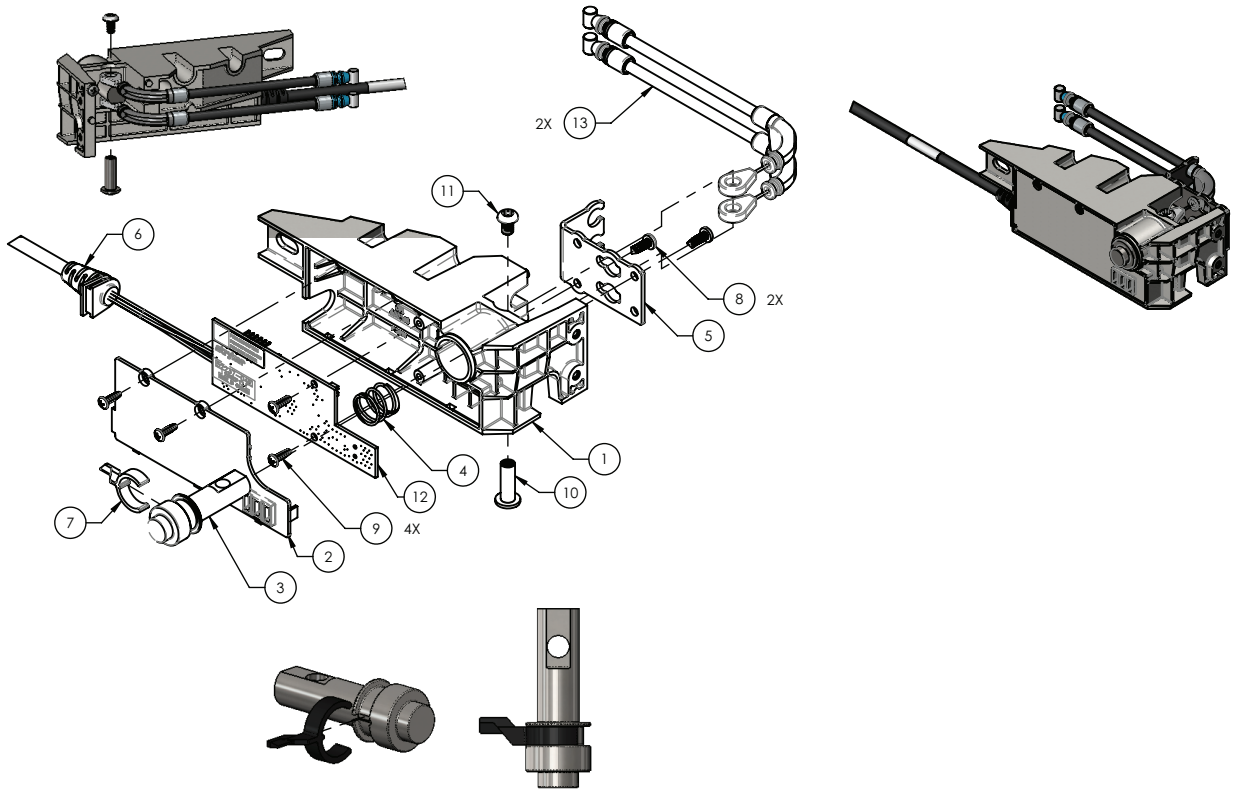
5900200069 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 2 |
| 2 | 5900240044 | Pan weldment, head deck, patient left | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 2 |
| 4 | 5900600034 | Roller, expandable deck | 4 |
| 5 | 5900500028 | Pin, expandable deck roller | 4 |
| 6 | 0025-079-000 | Rivet, 3/16 domed sst | 8 |
| 7 | 5900690050 | Decal, deck lock position sensor | 1 |
| 8 | 5900370022 | Grommet, push-in locking 5/8" hole | 4 |
| 9 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 4 |

Head deck position lock assembly - 5900200051

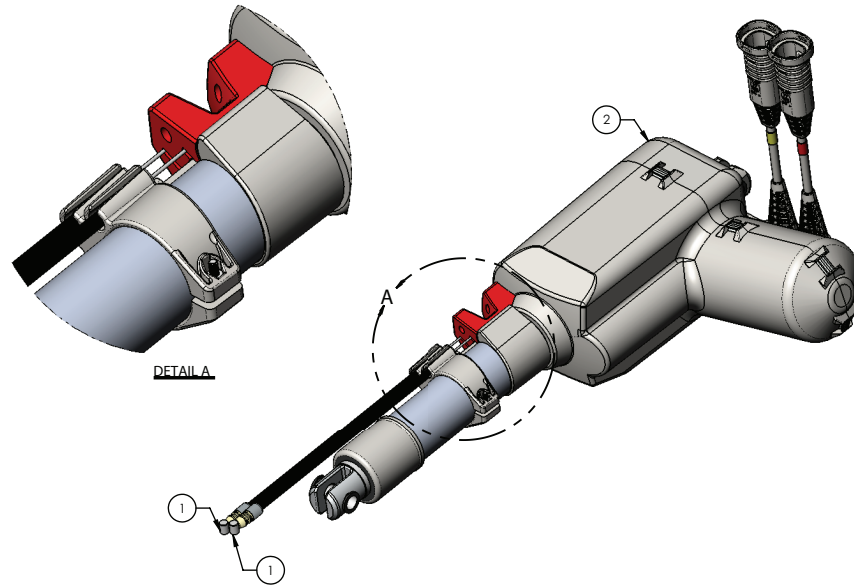
Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900600048 | Housing, deck lock/position sensor | 1 |
| 2 | 5900600049 | Cover, deck lock/sensor housing | 1 |
| 3 | 5900500033 | Pin, deck lock | 1 |
| 4 | 5900370017 | Spring, compression deck lock | 1 |
| 5 | 5900520100 | Plate, deck lock cable mount | 1 |
| 6 | 5900430030 | HRNS, deck lock/position snsr head deck | 1 |
| 7 | 5900600053 | Arm, deck lock sensor plunger | 1 |
| 8 | 5900340009 | Screw, pan ph #6-unc x 0.375 tri lobe | 2 |
| 9 | 5900340018 | Screw, #4-20 tri-lobular 3/8lg | 4 |
| 10 | 5900370018 | Binding barrel, 10-24 x 3/4lg zinc plated | 1 |
| 11 | 0004-665-000 | Screw, bhcs #10-unc x 0.313 w/patch | 1 |
| 12 | 590040004101 | PCBA, iom deck pos mon head | 1 |
| 13 | 5900370011 | Cable, deck extend push/pull | 2 |

Head with CPR release actuator assembly - 5900200157

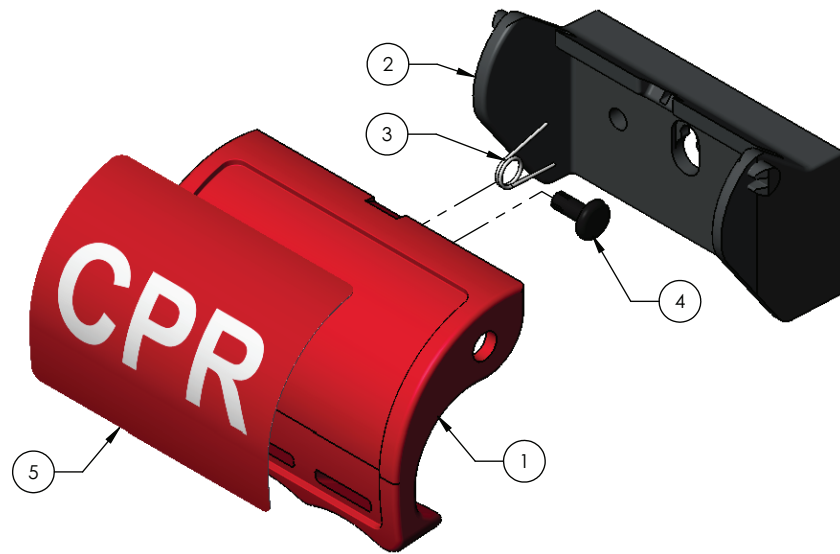
Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|------------|-----------------------------|----------|
| 1 | 5900370010 | Cable, CPR push/pull | 2 |
| 2 | 5900420009 | Actuator, w/int switch-head | 1 |

CPR handle assembly - 5900200160

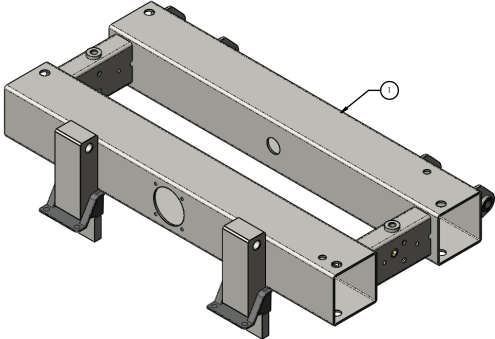
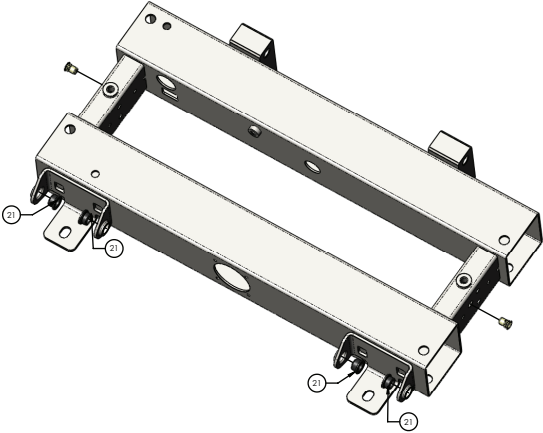
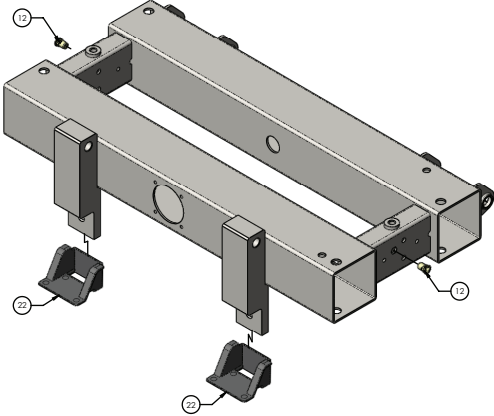
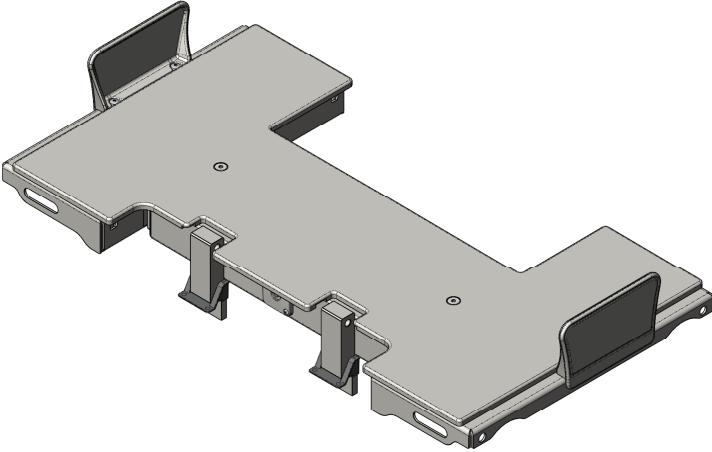
Rev B (Reference only)

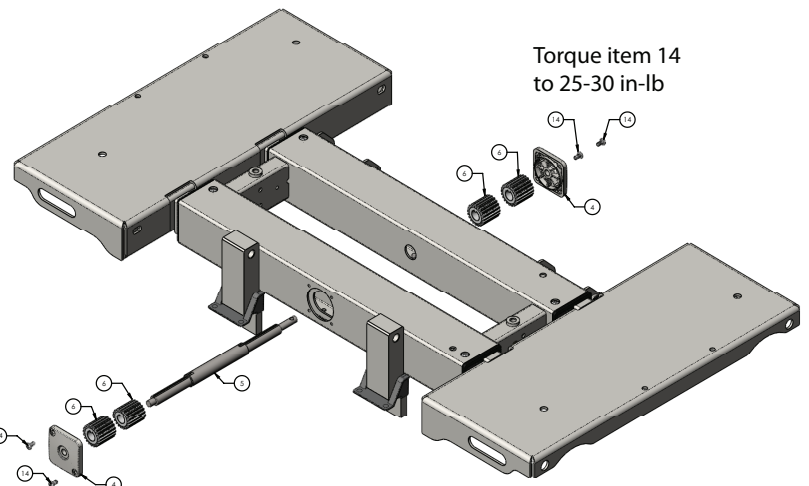
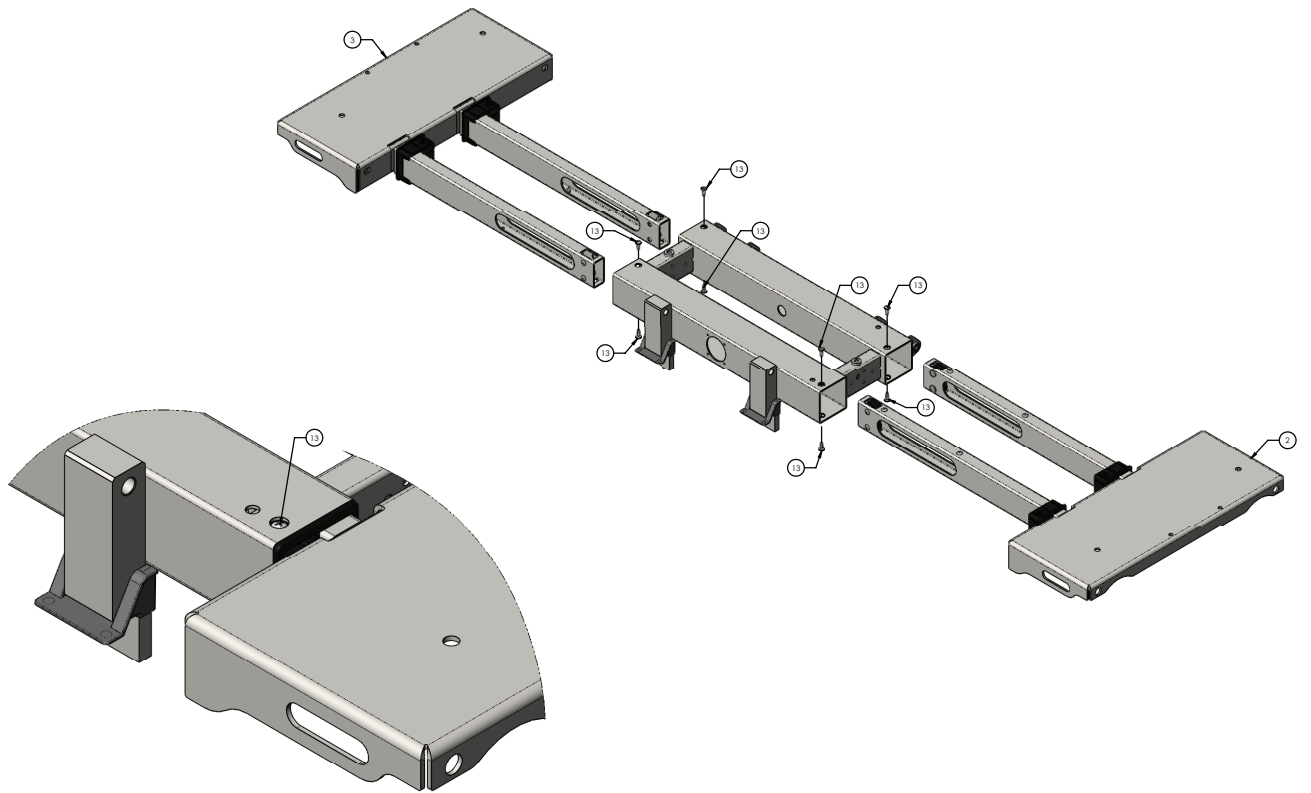


| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900600085 | Handle, CPR | 1 |
| 2 | 5900600086 | Backplate, handle | 1 |
| 3 | 5900370109 | Spring, torsion CPR pull handle | 1 |
| 4 | 5900370107 | Snap rivet, dia .170 hole x .250 panel thk | 1 |
| 5 | 5900690082 | Label, CPR handle | 1 |

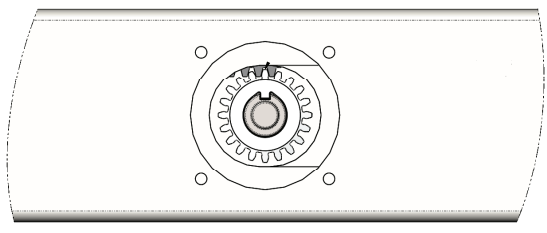
Deck assembly, seat section

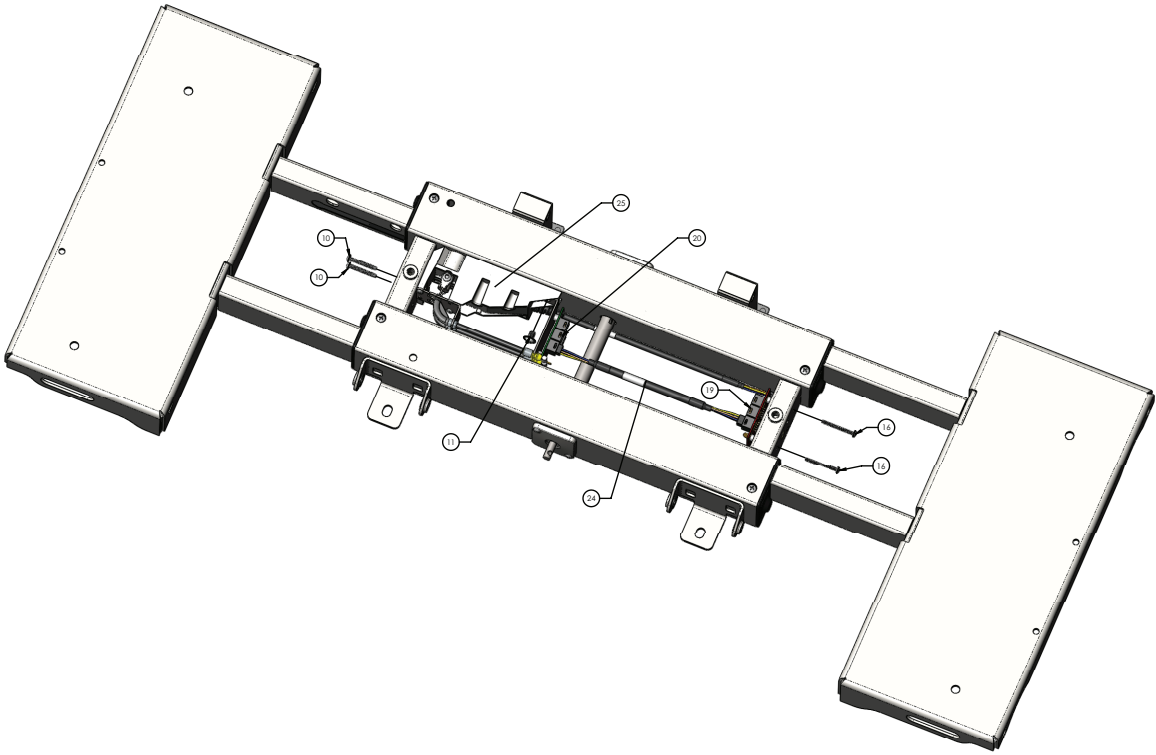
5900200041 Rev E (Reference only)

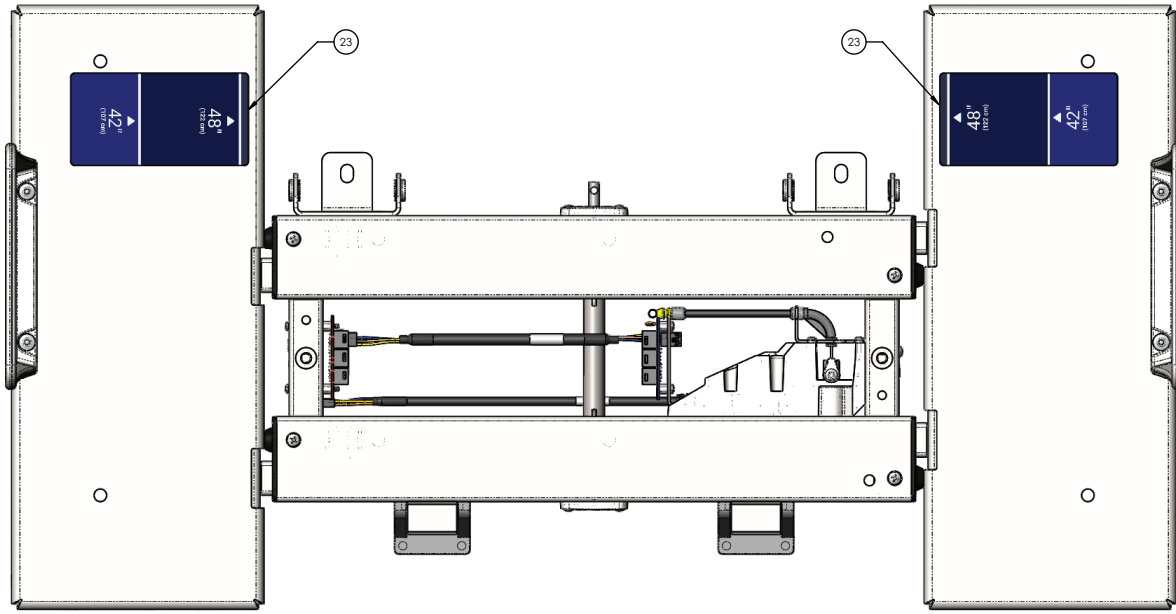
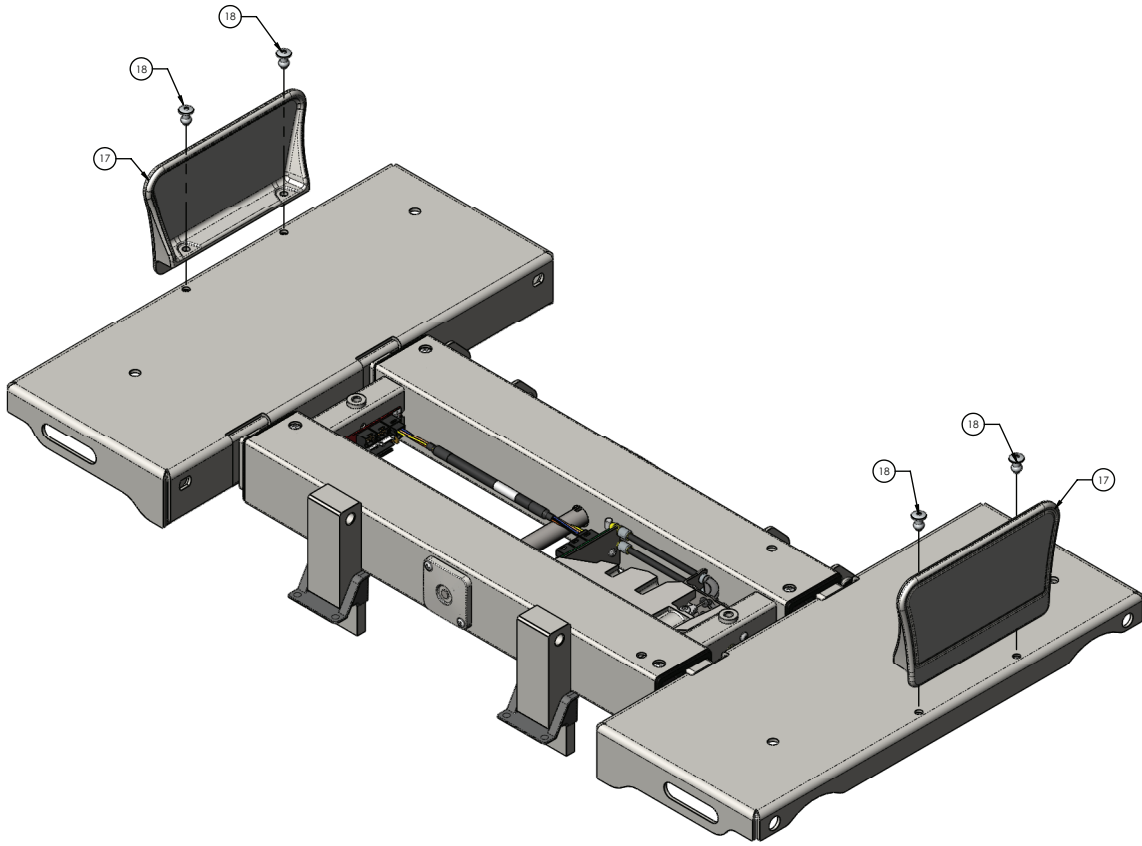


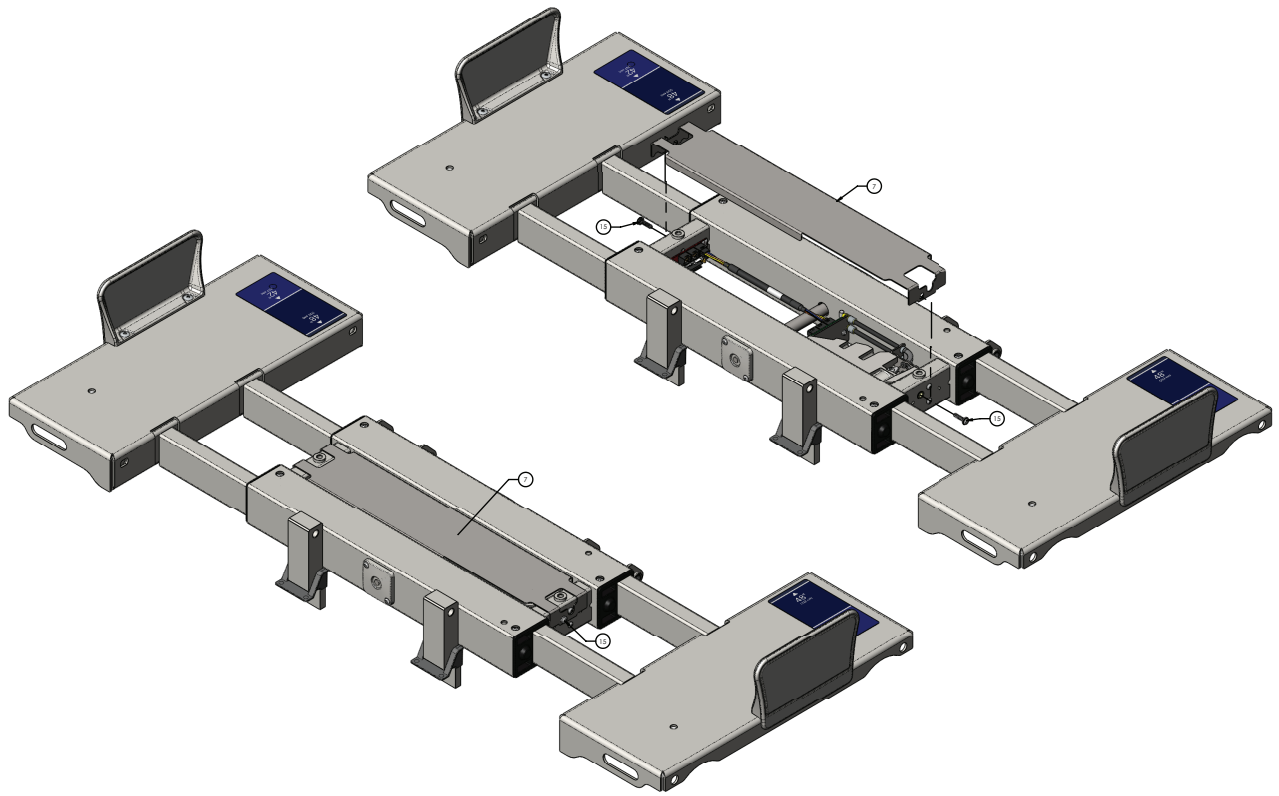


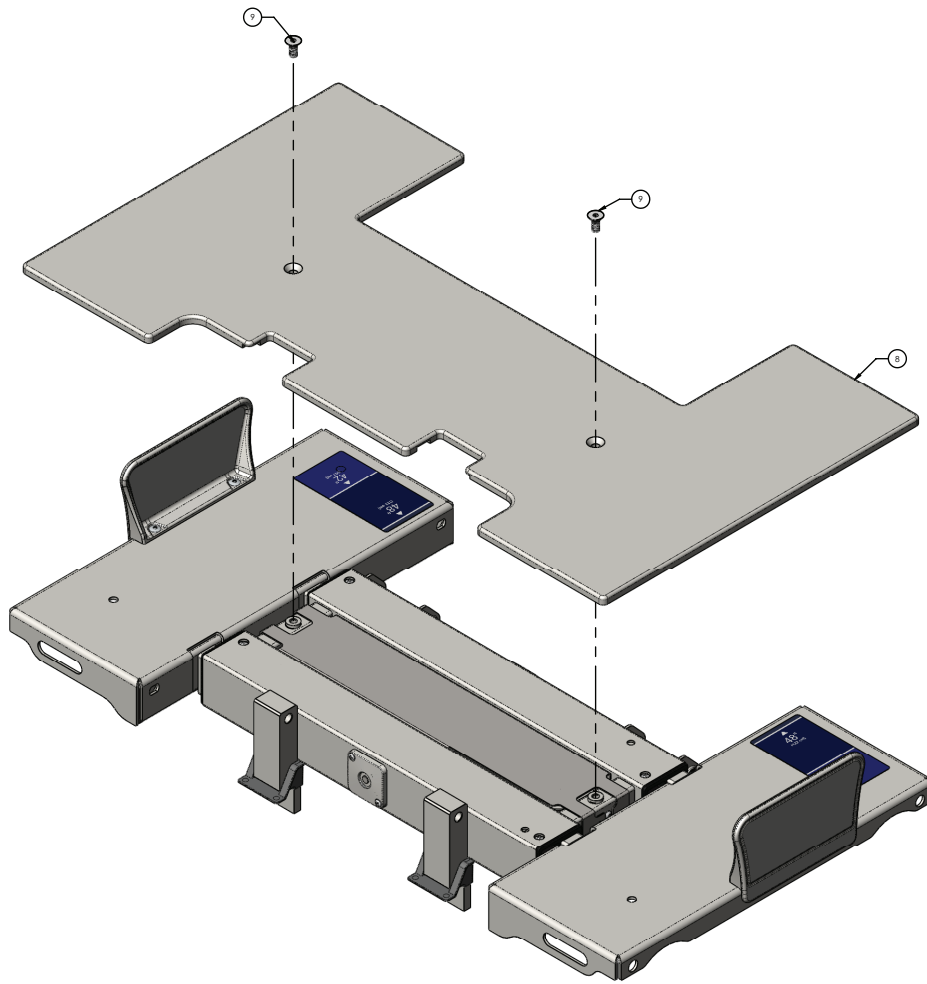
Torque item 14 to 25-30 in-lb









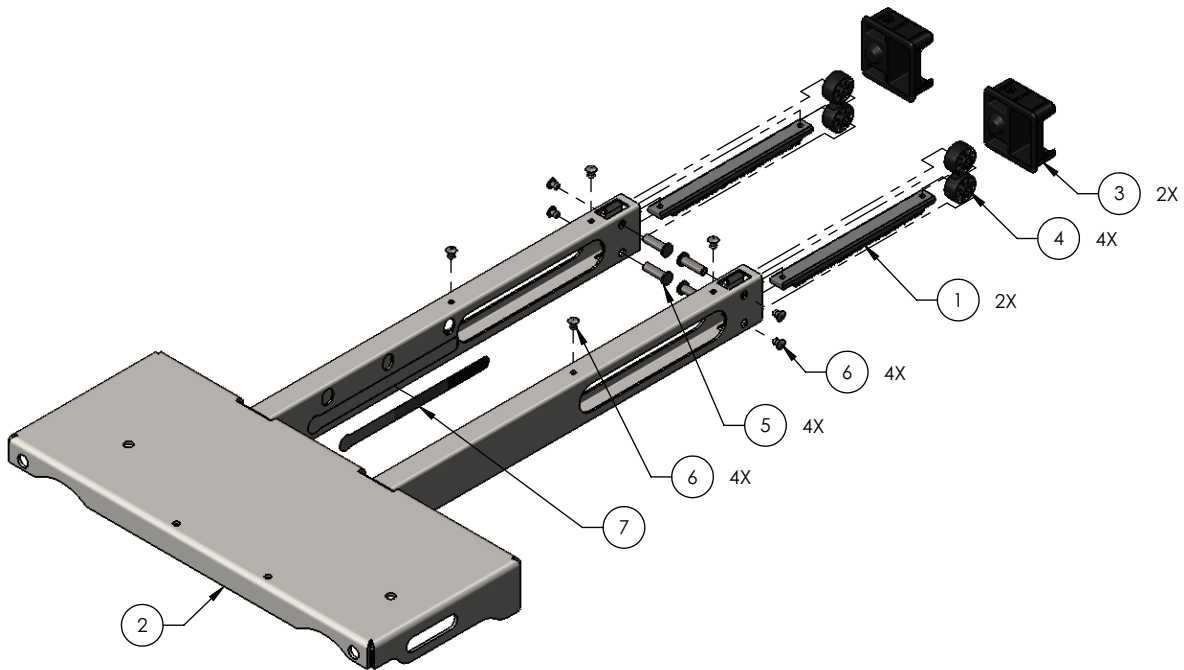


| Item | Number | Name | Quantity |
|------|-------------|--|----------|
| 1 | 5900240025 | Frame weldment, seat deck | 1 |
| 2 | 5900200038 | Deck pan assembly, seat deck, patient right (page 156) | 1 |
| 3 | 5900200039 | Deck pan assembly, seat deck, patient left (page 157) | 1 |
| 4 | 5900600007 | Bushing, pinion shaft cover | 2 |
| 5 | 5900500027 | Pinion shaft, seat deck | 1 |
| 6 | 5900560003 | Pinion gear, expandable deck | 4 |
| 7 | 5900520200P | Cover pan, seat deck plated | 1 |
| 8 | 5900620005 | Cover, seat deck | 1 |
| 9 | 5900340081 | Screw, flat hex head 5/16-18x3/4lg zinc | 2 |
| 10 | 5900340105 | Screw, plastite pan head Torx #8-16 x 1.25"LG zinc | 2 |
| 11 | 5900340101 | Screw, RD HD FLG hex drive 1/4-UNC x 3/8LG zinc | 1 |
| 12 | 5900310020 | Nutsert, #10-unf thick sheet hex body - zinc | 2 |
| 13 | 5900340114 | Screw, plastite pan head PH #10-14 x 1/8 2" LG ZNPL | 1 |
| 14 | 5900340017 | Screw, pan PH #8-UNC x 0.3125 | 4 |

| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 15 | 5900340090 | Screw, sems pan PH #10-32UNF x 3/4LG INT wash zinc | 2 |
| 16 | 5900340097 | Screw, sems pan PH #6-32x1-1/2LG INT wash zinc PL | 2 |
| 17 | 5900600035 | Mattress keeper, short | 2 |
| 18 | 0025-120-000 | Rivet, 1/4 x 0.600" LG blind alum | 4 |
| 19 | 5900400051 | PCBA, s1 jctn hd/ft pl-in/pr-out | 1 |
| 20 | 5900280016 | Elec assembly, jctn seat in-bd backplate | 1 |
| 21 | 5900330003 | Bushing, flg 0.375x0.500x0.313lg (flg 0.625x0.062) | 4 |
| 22 | 5900600076 | Guard, seat deck mounts gap filler | 2 |
| 23 | 5900690076 | Label, indicator deck width | 2 |
| 24 | 5900430144 | HRNS, jctn pwr-comm int mid | 1 |
| 25 | 5900200152 | <i>Seat deck position lock assembly - 5900200152 (page 158)</i> | 1 |

Deck pan assembly, seat deck, patient right

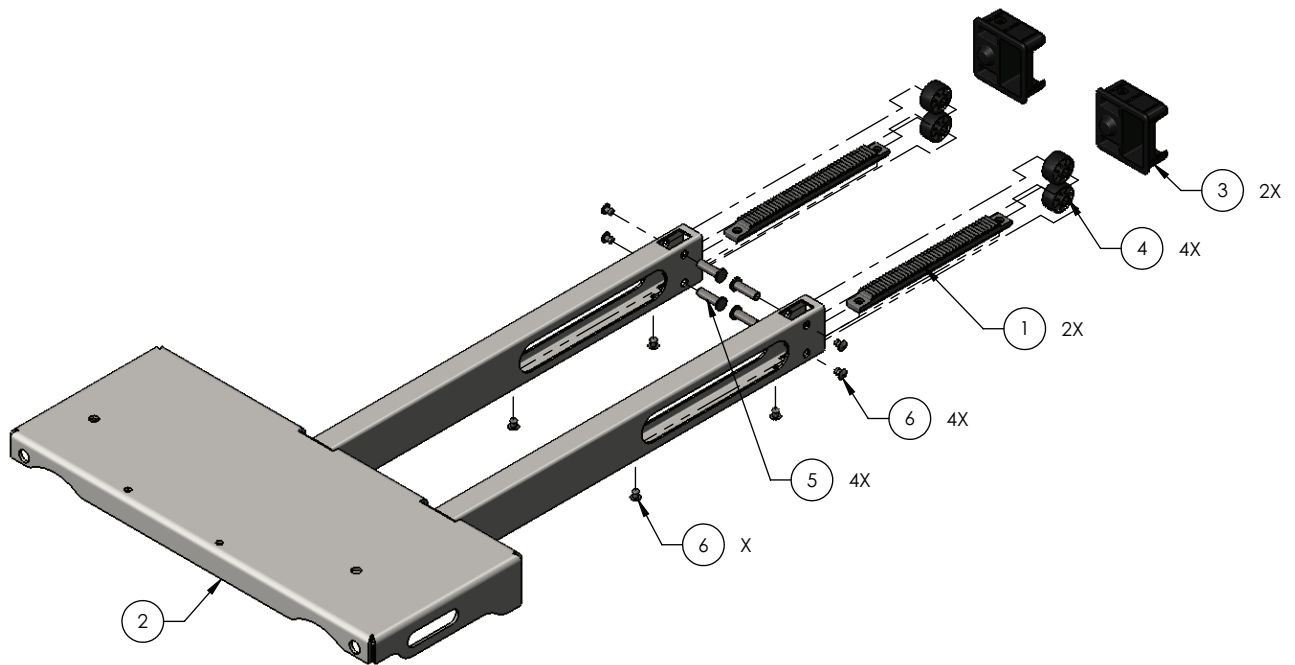
5900200038 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 2 |
| 2 | 5900240029 | Pan weldment, seat deck, patient right | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 2 |
| 4 | 5900600034 | Roller, expandable deck | 4 |
| 5 | 5900500028 | Pin, expandable deck roller | 4 |
| 6 | 0025-079-000 | Rivet, 3/16 domed SST | 8 |
| 7 | 5900690050 | Decal, deck lock position sensor | 1 |

Deck pan assembly, seat deck, patient left

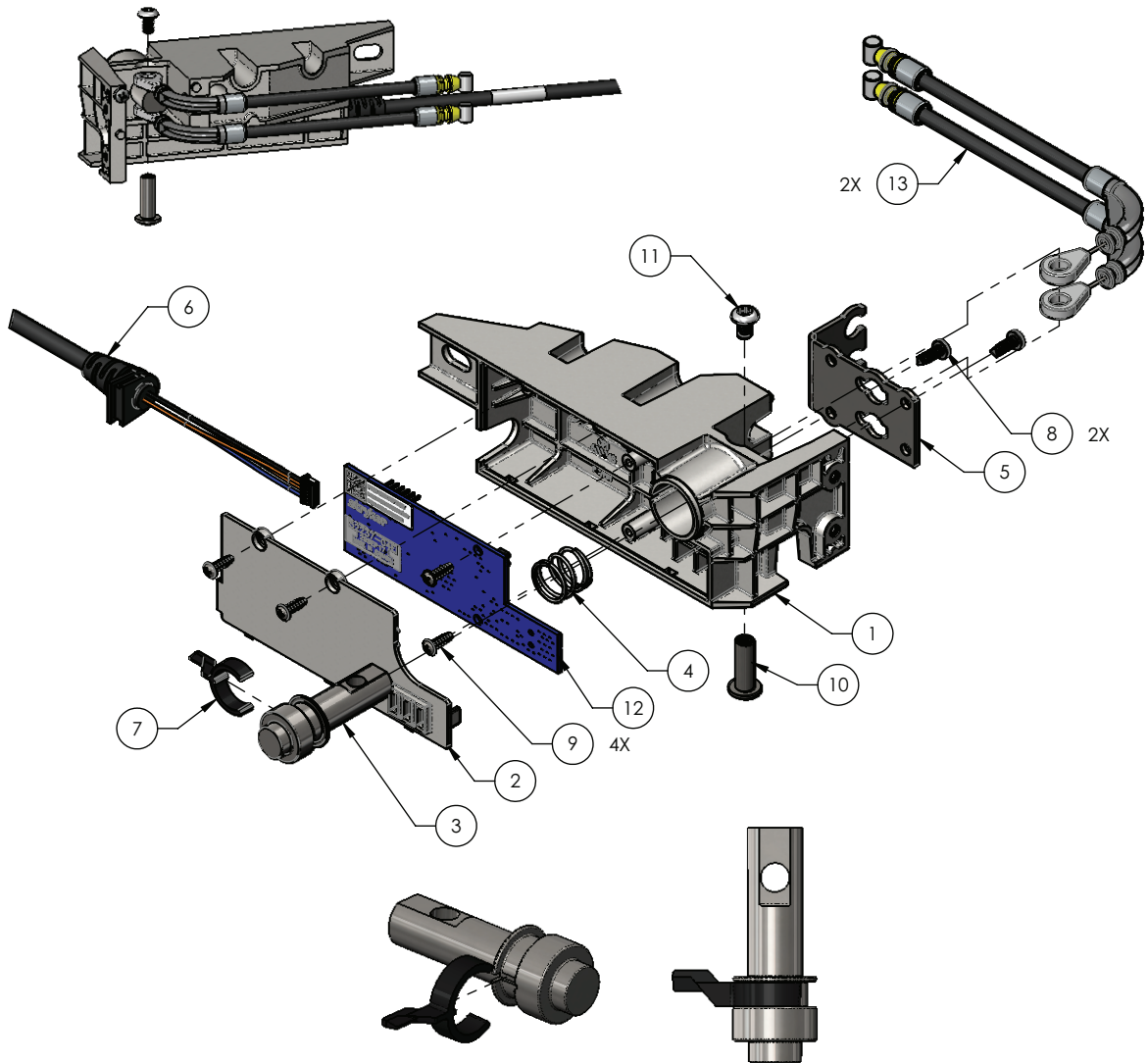
5900200039 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|---------------------------------------|----------|
| 1 | 5900560011 | Rack, expandable deck | 2 |
| 2 | 5900240030 | Pan weldment, seat deck, patient left | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 2 |
| 4 | 5900600034 | Roller, expandable deck | 4 |
| 5 | 5900500028 | Pin, expandable deck roller | 4 |
| 6 | 0025-079-000 | Rivet, 3/16 domed SST | 8 |

Seat deck position lock assembly - 5900200152

Rev A (Reference only)

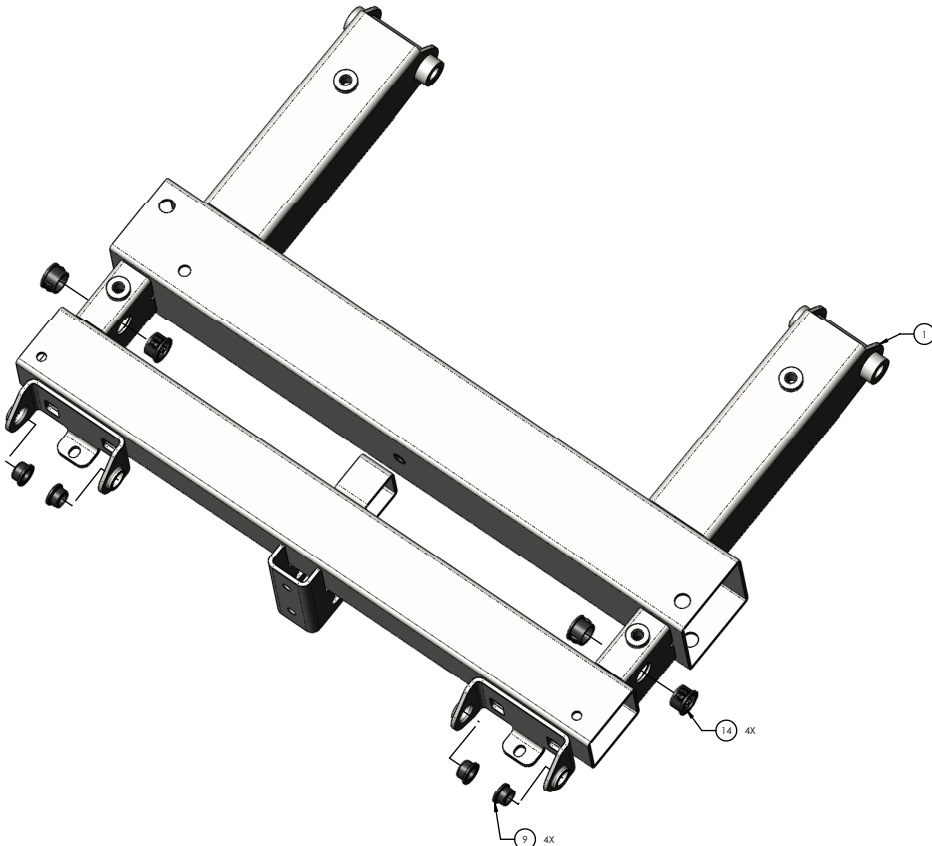


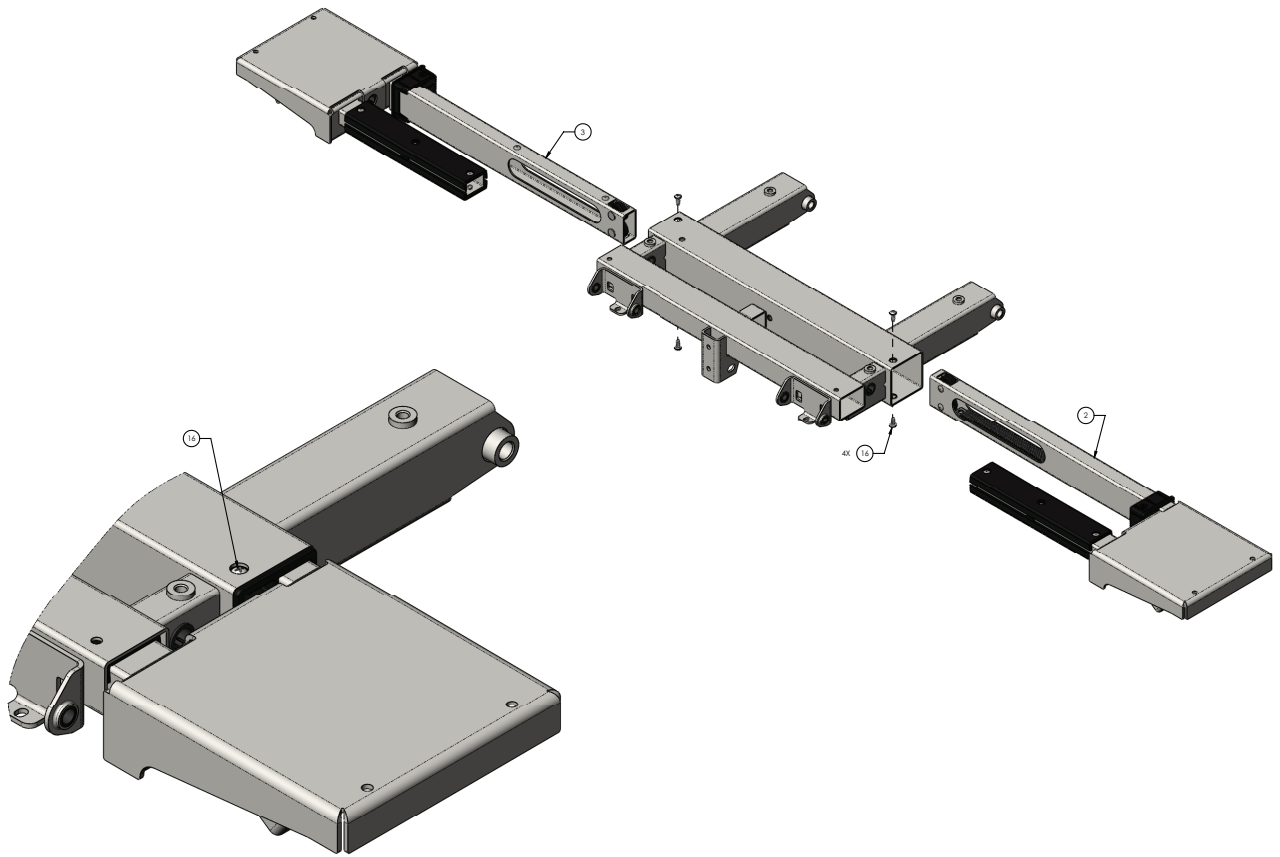
| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 1 | 5900600048 | Housing, deck lock/position sensor | 1 |
| 2 | 5900600049 | Cover, deck lock/sensor housing | 1 |
| 3 | 5900500033 | Pin, deck lock | 1 |
| 4 | 5900370017 | Spring, compression deck lock | 1 |
| 5 | 5900520100 | Plate, deck lock cable mount | 1 |
| 6 | 5900430083 | HRNS, deck lock/position snsr seat deck | 1 |
| 7 | 5900600053 | Arm, deck lock sensor plunger | 1 |
| 8 | 5900340009 | Screw, pan ph #6-unc x 0.375 tri lobe | 2 |
| 9 | 5900340018 | Screw, #4-20 tri-lobular 3/8lg | 4 |
| 10 | 5900370018 | Binding barrel, 10-24 x 3/4lg zinc plated | 1 |
| 11 | 0004-665-000 | Screw, bhcs #10-unc x 0.313 w/patch | 1 |

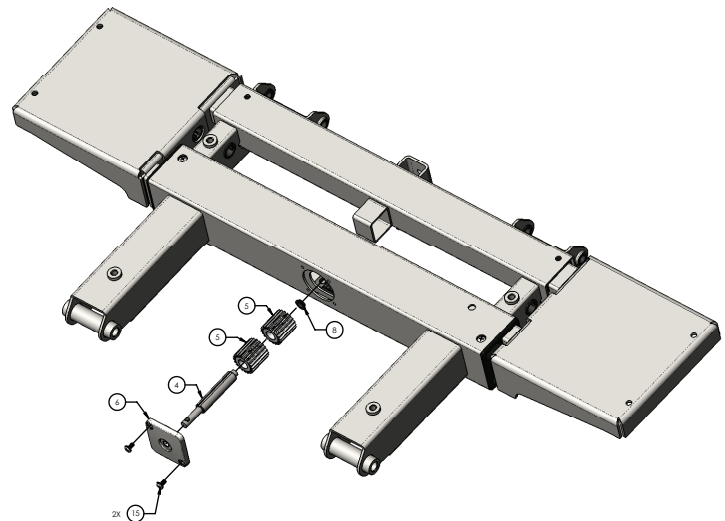
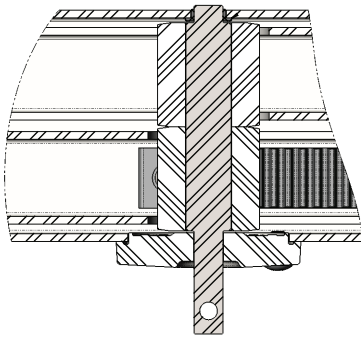
| Item | Number | Name | Quantity |
|-------------|---------------|---|-----------------|
| 12 | 590040004102 | PCBA, iom deck pos mon seat | 1 |
| 13 | 5900370073 | Cable, deck extend push/pull centre section | 2 |

Deck assembly, knee section

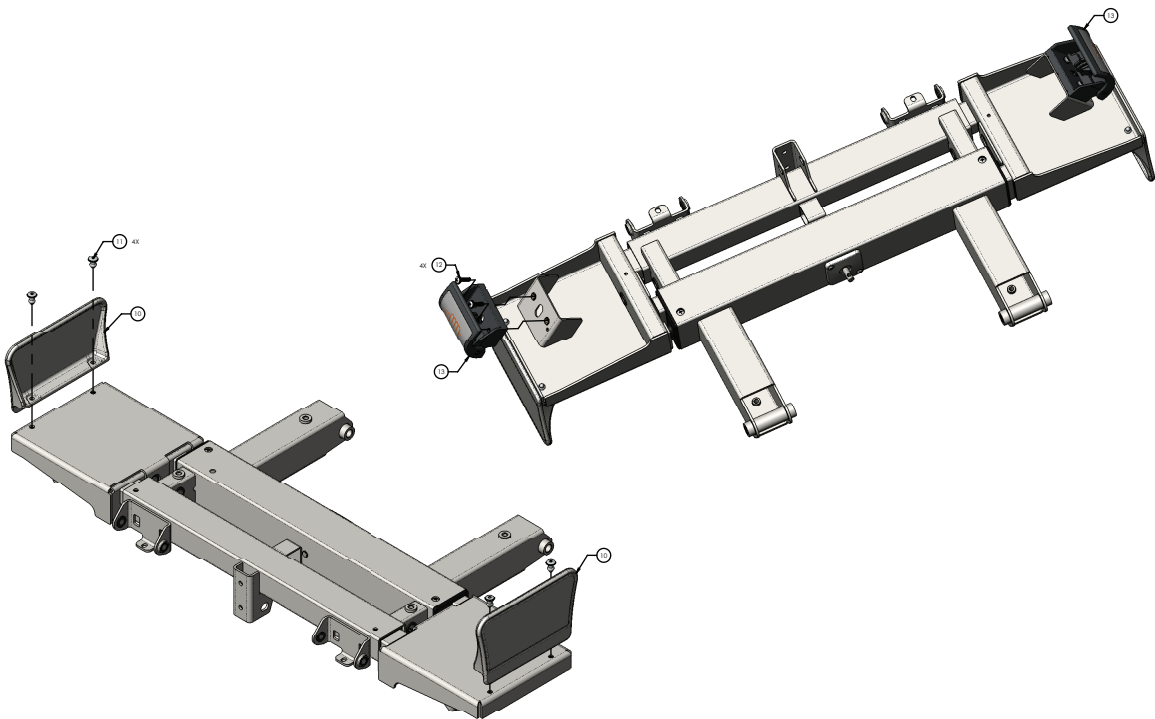
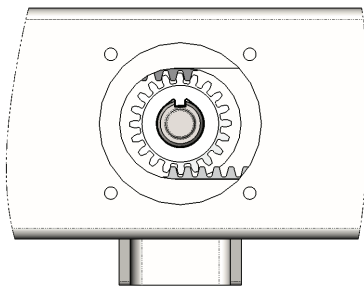
5900200056 Rev E (Reference only)

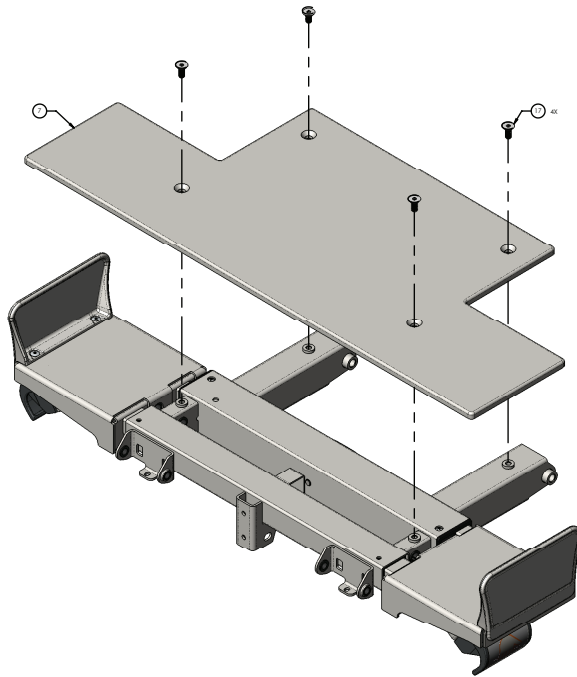






Torque item 15
to 25-30 in-lb

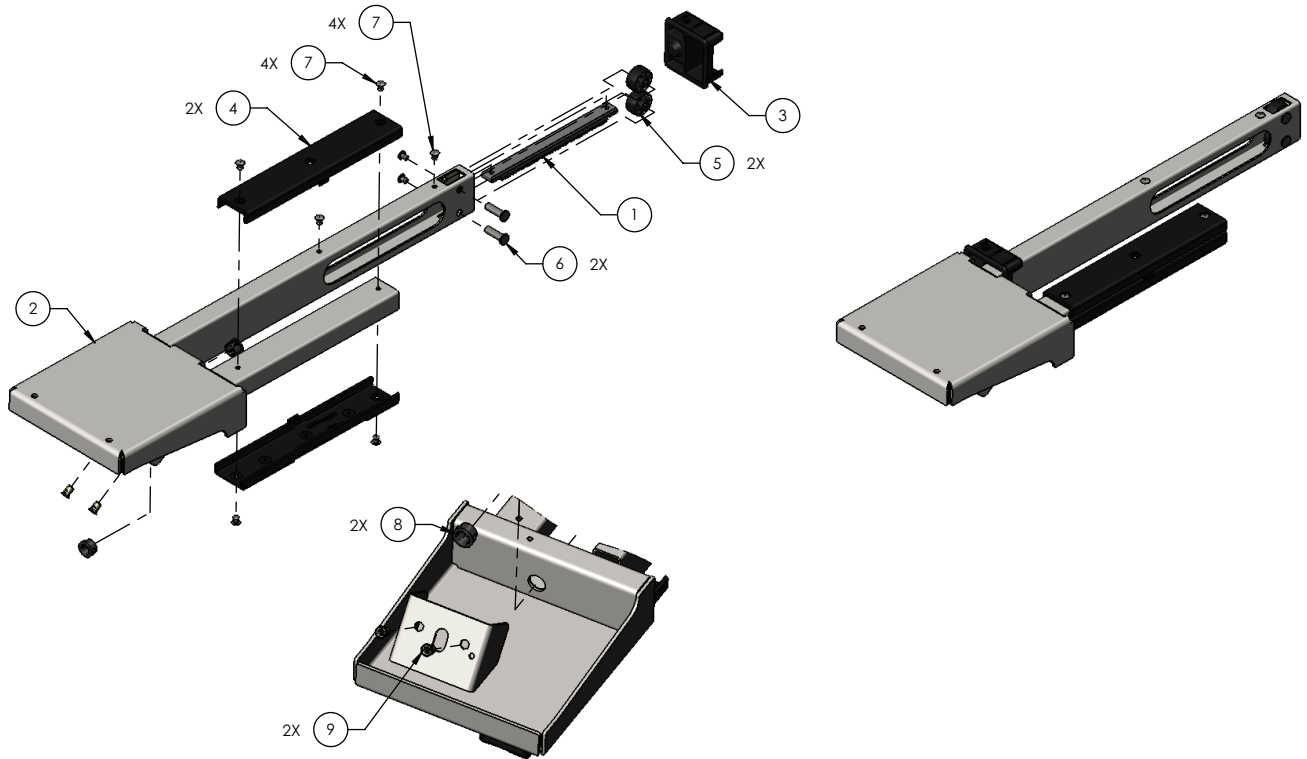




| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900240045 | Deck weldment, knee section | 1 |
| 2 | 5900200072 | Deck pan assembly, knee deck, patient left (page 165) | 1 |
| 3 | 5900200073 | Deck pan assembly, knee deck, patient right (page 164) | 1 |
| 4 | 5900500041 | Pinion shaft, knee deck | 1 |
| 5 | 5900560003 | Pinion gear, expandable deck | 2 |
| 6 | 5900600007 | Bushing, pinion shaft cover | 1 |
| 7 | 5900620008 | Cover, knee deck | 1 |
| 8 | 5900330007 | Bushing, flg 0.313x0.375x0.125lg (flg 0.500x0.032) | 1 |
| 9 | 5900330003 | Bushing, flg 0.375x0.500x0.313lg (flg 0.625x0.062) | 4 |
| 10 | 5900600035 | Mattress keeper, short | 2 |
| 11 | 0025-120-000 | Rivet, 1/4 x 0.600" lg blind alum | 4 |
| 12 | 5900340090 | Screw, sems pan ph #10-32unf x 3/4lg int wash zinc | 4 |
| 13 | 5900200159 | Deck expansion handle assembly - 5900200159 (page 178) | 2 |
| 14 | 5900370022 | Grommet, push-in locking 5/8" hole | 4 |
| 15 | 5900340017 | Screw, pan ph #8-unc x 0.3125 | 2 |
| 16 | 5900340114 | Screw, plastite pan head ph #10-14 x 1/2" lg ZnPL | 4 |
| 17 | 5900340081 | Screw, flat Torx head 5/16-18 x 3/4 tri lobe zinc | 4 |

Deck pan assembly, knee deck, patient right

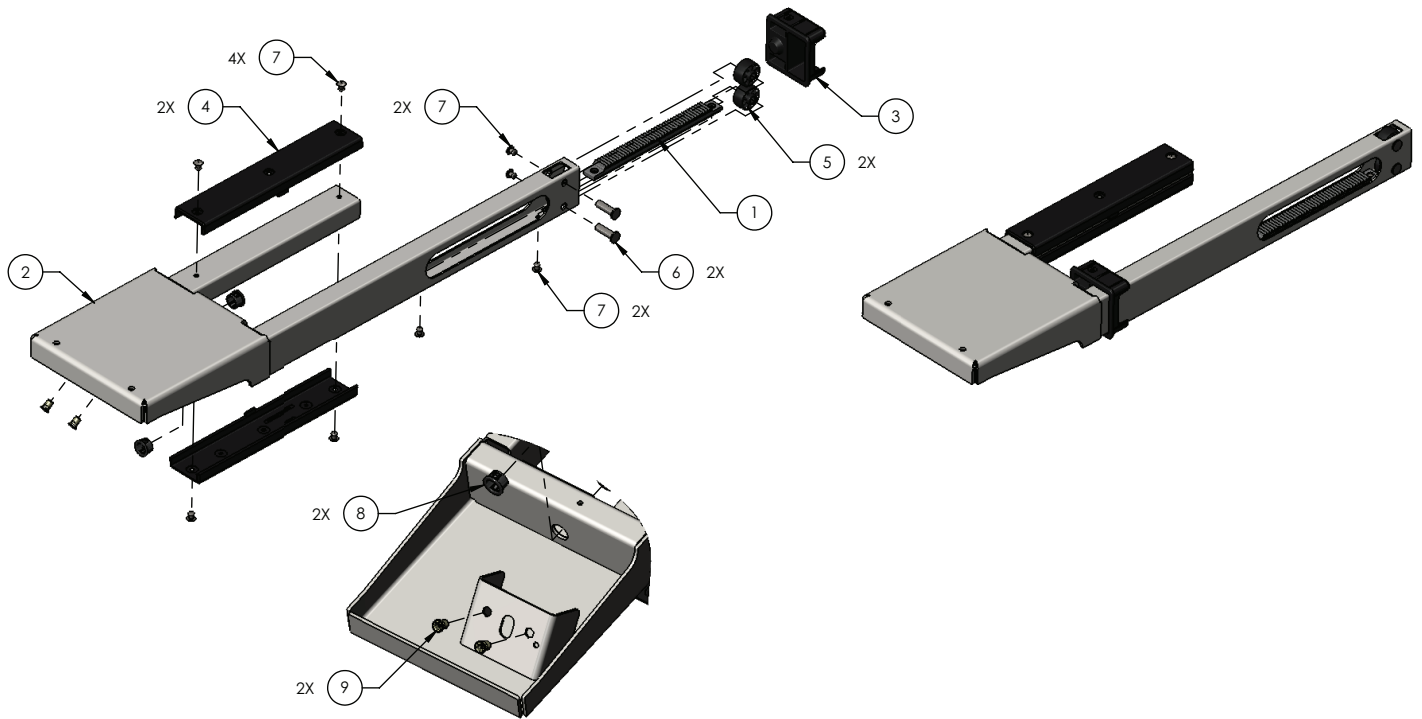
5900200073 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 1 |
| 2 | 5900240047 | Pan weldment, knee deck, patient right | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 1 |
| 4 | 5900600050 | Bearing, slide knee deck | 2 |
| 5 | 5900600034 | Roller, expandable deck | 2 |
| 6 | 5900500028 | Pin, expandable deck roller | 2 |
| 7 | 0025-079-000 | Rivet, 3/16 domed sst | 8 |
| 8 | 5900370022 | Grommet, push-in locking 5/8" hole | 2 |
| 9 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 2 |

Deck pan assembly, knee deck, patient left

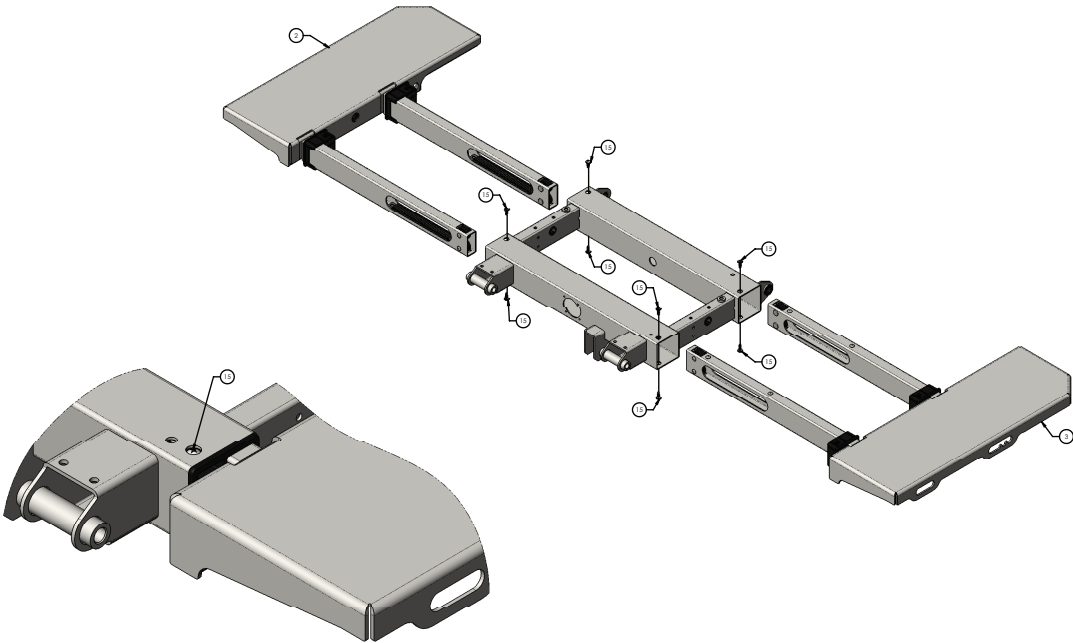
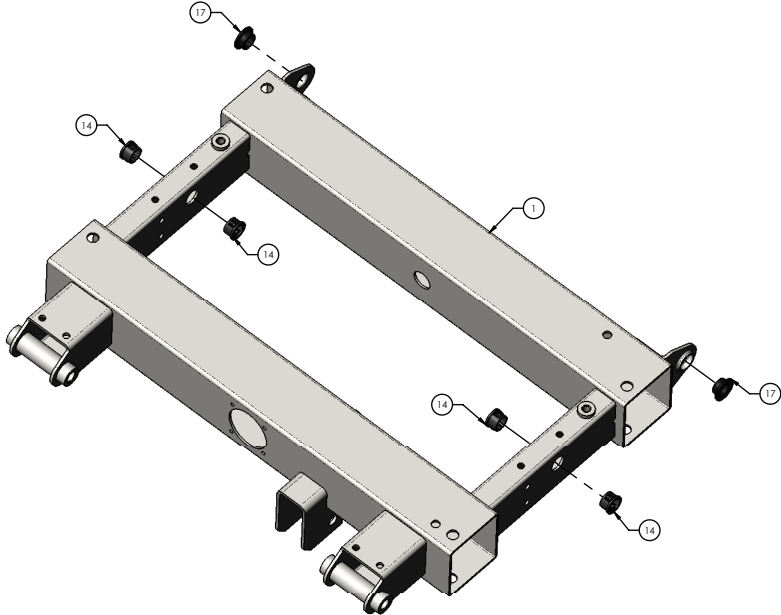
5900200072 Rev A (Reference only)

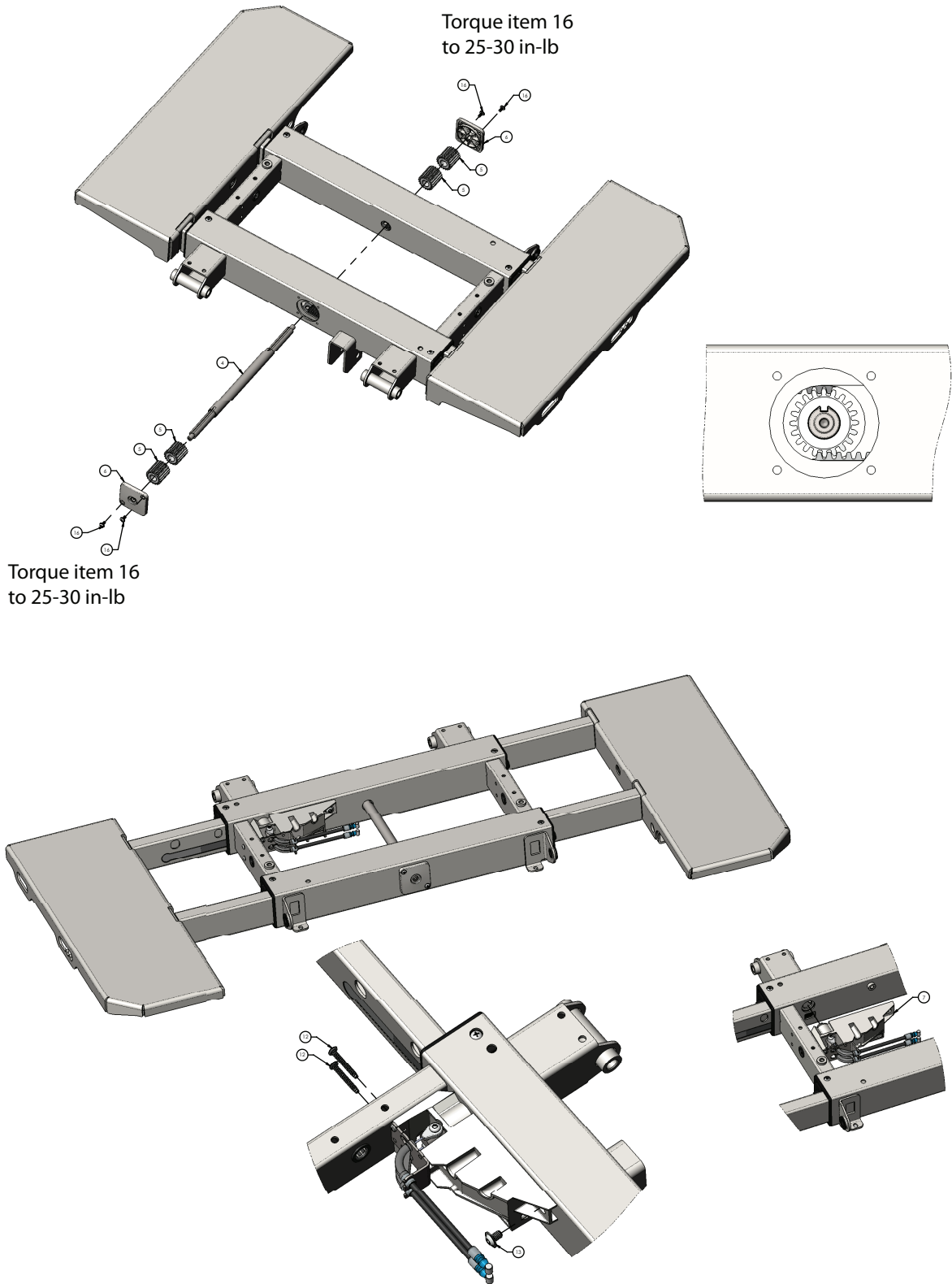


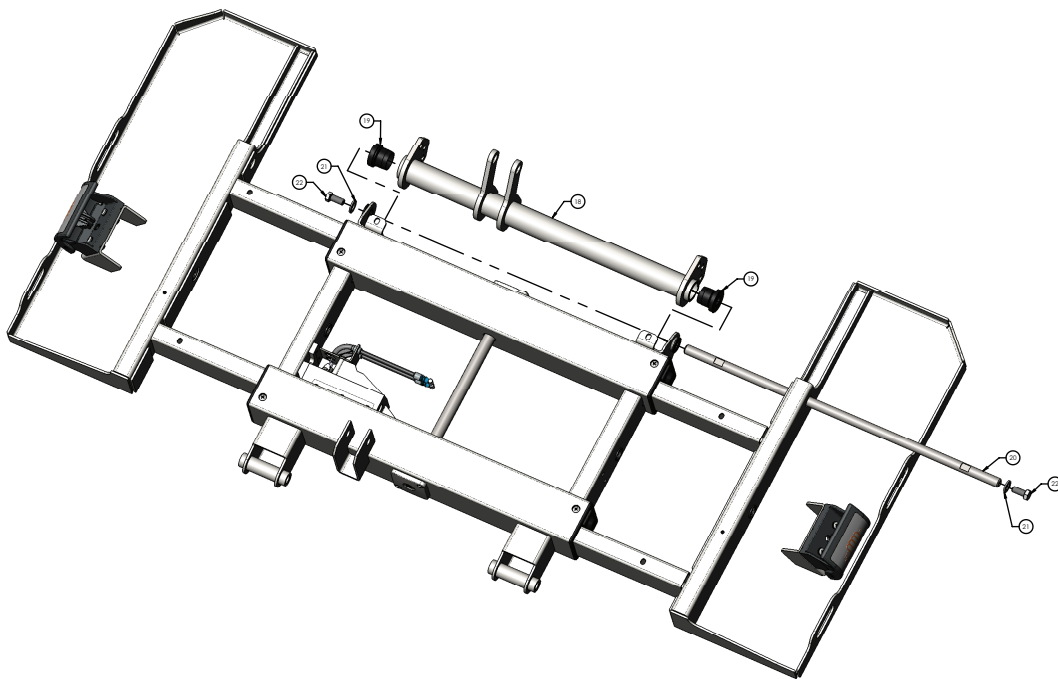
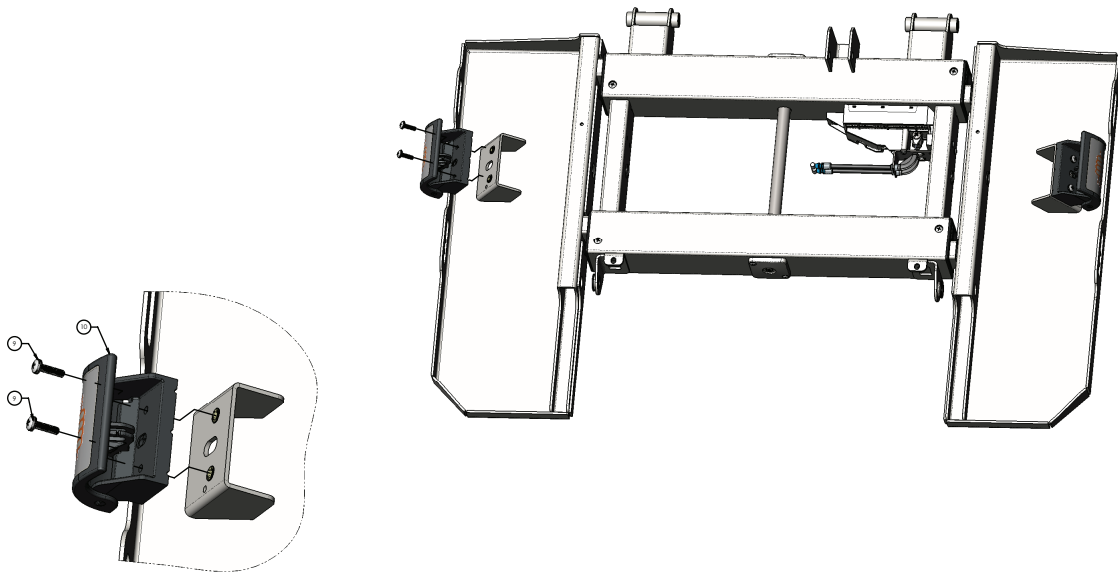
| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 1 |
| 2 | 5900240046 | Pan weldment, knee deck, patient left | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 1 |
| 4 | 5900600050 | Bearing, slide knee deck | 2 |
| 5 | 5900600034 | Roller, expandable deck | 2 |
| 6 | 5900500028 | Pin, expandable deck roller | 2 |
| 7 | 0025-079-000 | Rivet, 3/16 domed sst | 8 |
| 8 | 5900370022 | Grommet, push-in locking 5/8" hole | 2 |
| 9 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 2 |

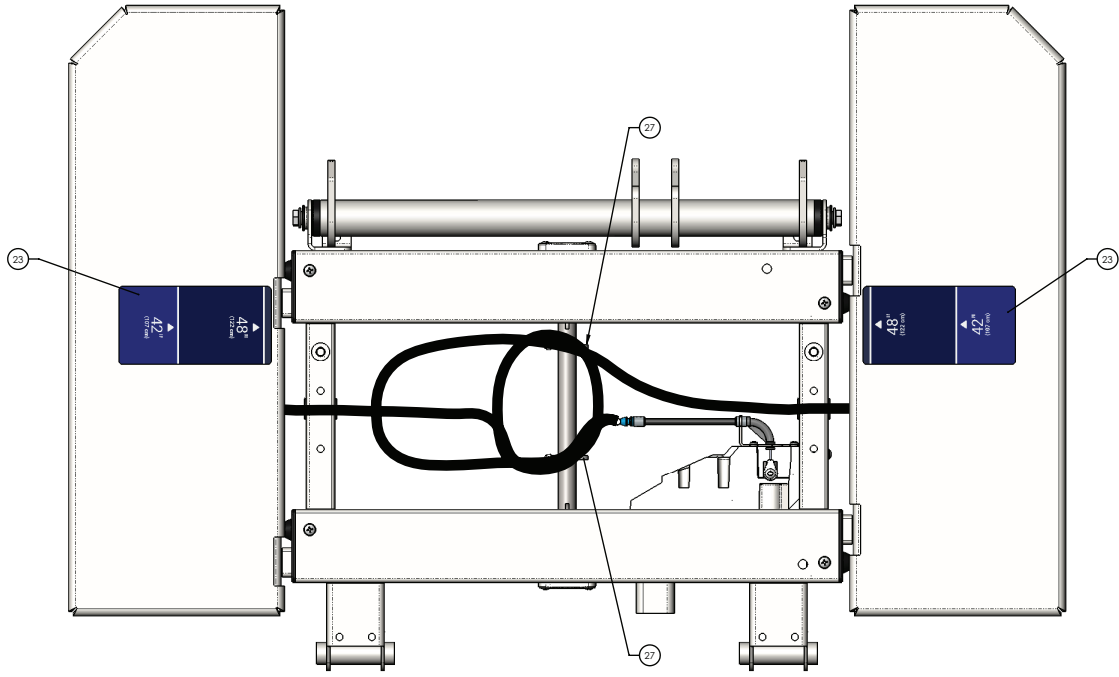
Deck assembly, foot section

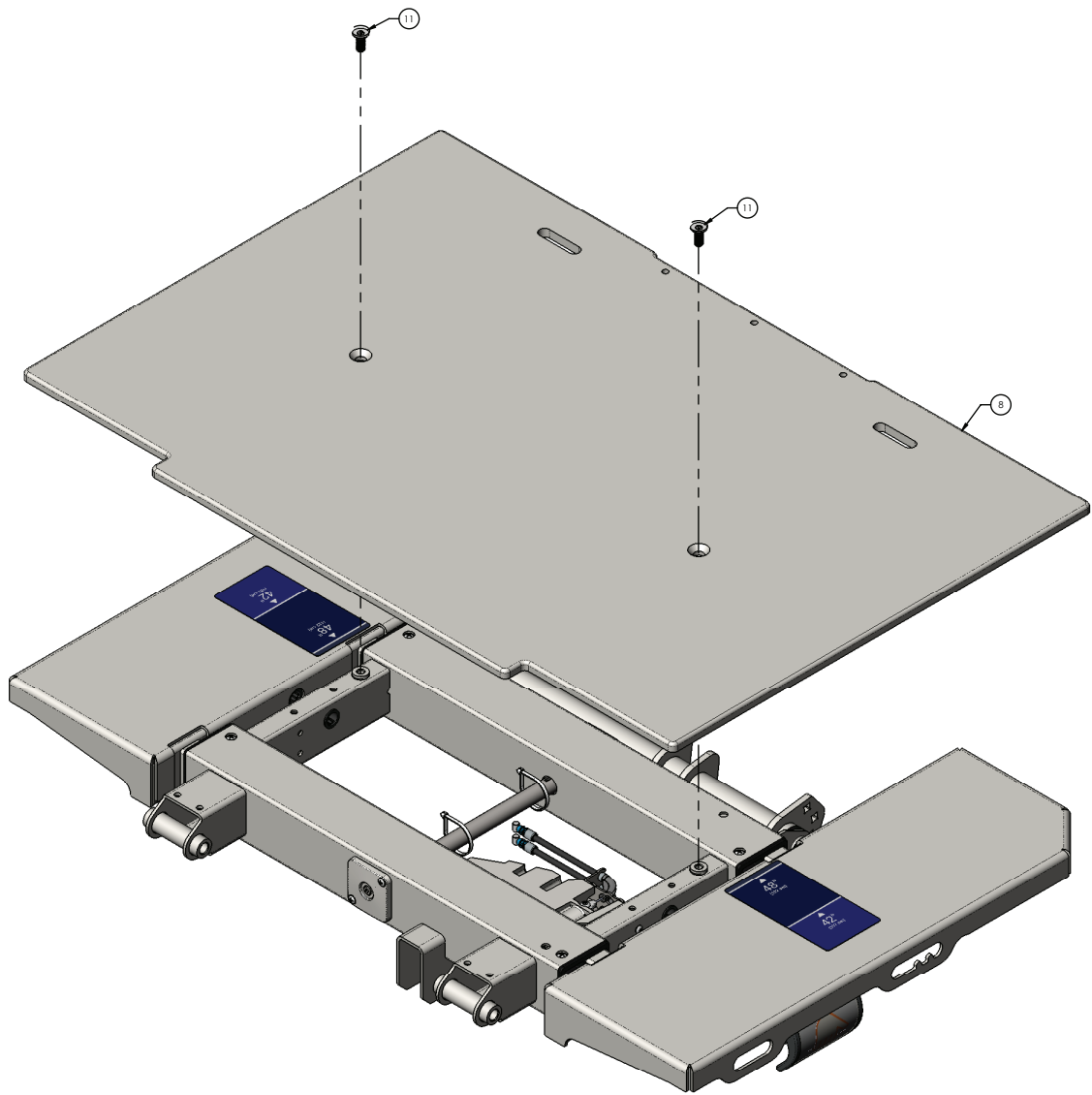
5900200057 Rev G (Reference only)

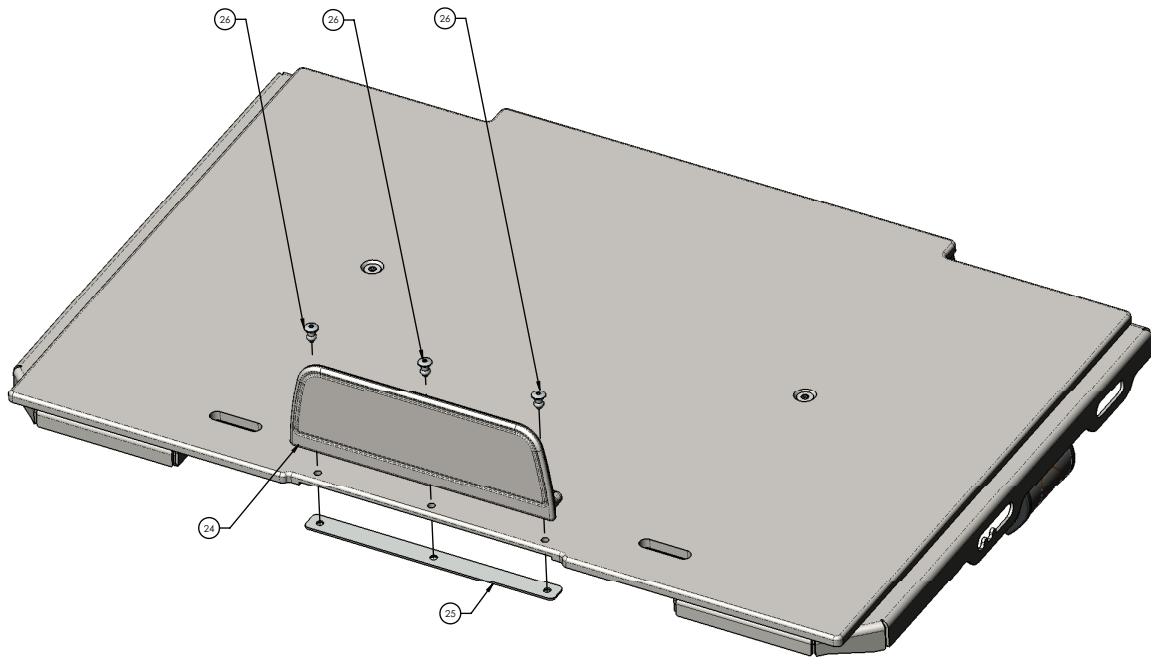










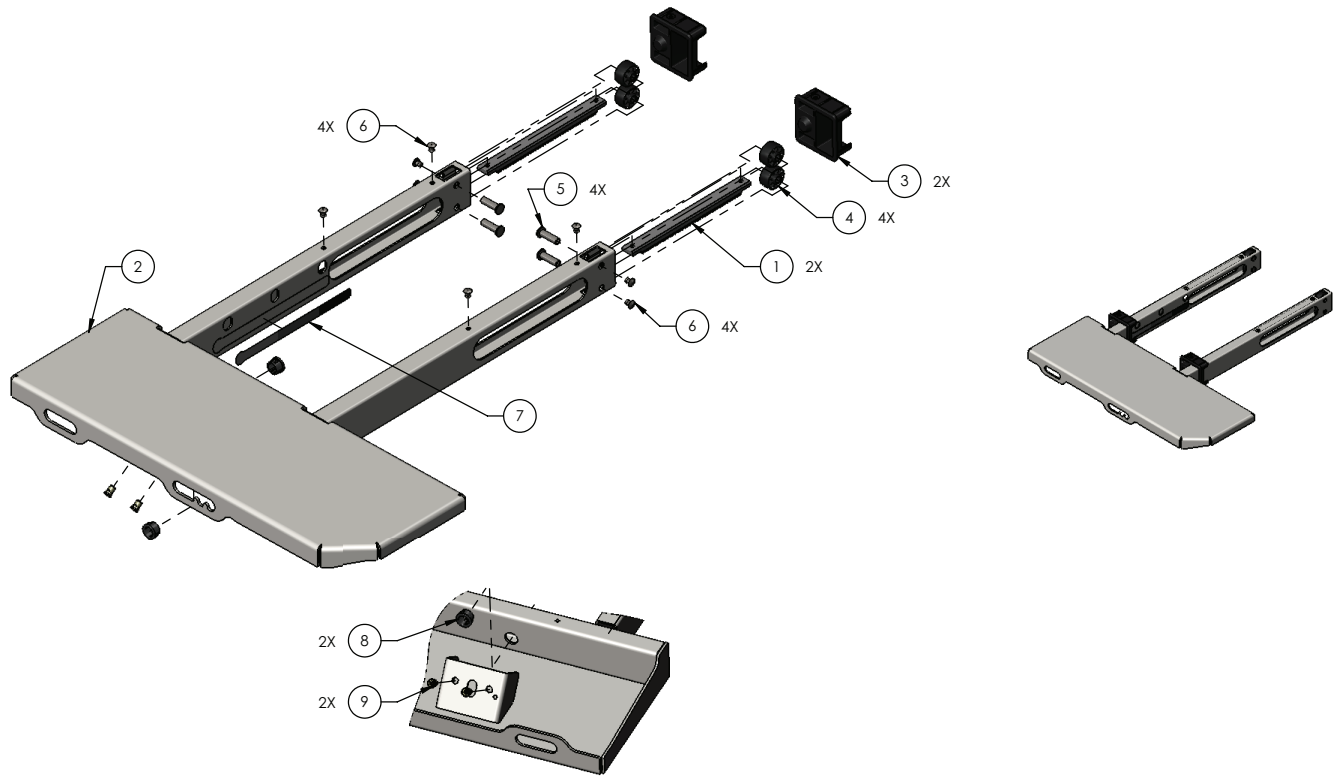


| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900240106 | Deck weldment, foot section | 1 |
| 2 | 5900200074 | Deck pan assembly, foot deck, patient left (page 174) | 1 |
| 3 | 5900200075 | Deck pan assembly, foot deck, patient right (page 173) | 1 |
| 4 | 5900500040 | Pinion shaft, foot deck | 1 |
| 5 | 5900560003 | Pinion gear, expandable deck | 4 |
| 6 | 5900600007 | Bushing, pinion shaft cover | 2 |
| 7 | 5900200153 | Foot deck position lock assembly - 5900200153 (page 175) | 1 |
| 8 | 5900620009 | Cover, foot deck | 1 |
| 9 | 5900340090 | Screw, sems pan ph #10-32UNF x 3/4 LG int wash zinc | 4 |
| 10 | 5900200159 | Deck expansion handle assembly - 5900200159 (page 178) | 2 |
| 11 | 5900340081 | Screw, flat Torx head 5/16-18 x 3/4 tri lobe zinc | 2 |
| 12 | 5900340105 | Screw, plastite pan head Torx #8-16 x 1.25" LG zinc | 2 |
| 13 | 5900340101 | Screw, rd hd flg hex drive 1/4-UNC x 3/8 LG zinc | 1 |
| 14 | 5900370022 | Grommet, push-in locking 5/8" hole | 4 |
| 15 | 5900340114 | Screw, plastite pan head PH #10-14 x 1/8 2" LG ZnPL | |

| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 16 | 5900340017 | Screw, pan ph #8-UNC x 0.3125 | 4 |
| 17 | 5900330020 | Bushing, flg 0.500X0.625X0.313LG (flg 0.875X0.062) | 2 |
| 18 | 5900240107 | Gatch weldment, foot bail | 1 |
| 19 | 5900620026 | Bushing, timing link | 2 |
| 20 | 5900500167 | Pivot rod, foot bail | 1 |
| 21 | 0011-003-000 | Washer, plain 5/16 x 0.688 ap | 2 |
| 22 | 8839-793-700 | Screw, hxcap 5/16-UNC x 0.75 | 2 |
| 23 | 5900690076 | Label, indicator deck width | 2 |
| 24 | 5900600036 | Mattress keeper, long | 1 |
| 25 | 5900540279P | Backing plate, foot end mattress keeper plated | 1 |
| 26 | 0025-120-000 | Rivet, 1/4 x 0.600" lg blind alum | 3 |
| 27 | 3000-300-113 | Cable tie, nylon 8" lg | 2 |

Deck pan assembly, foot deck, patient right

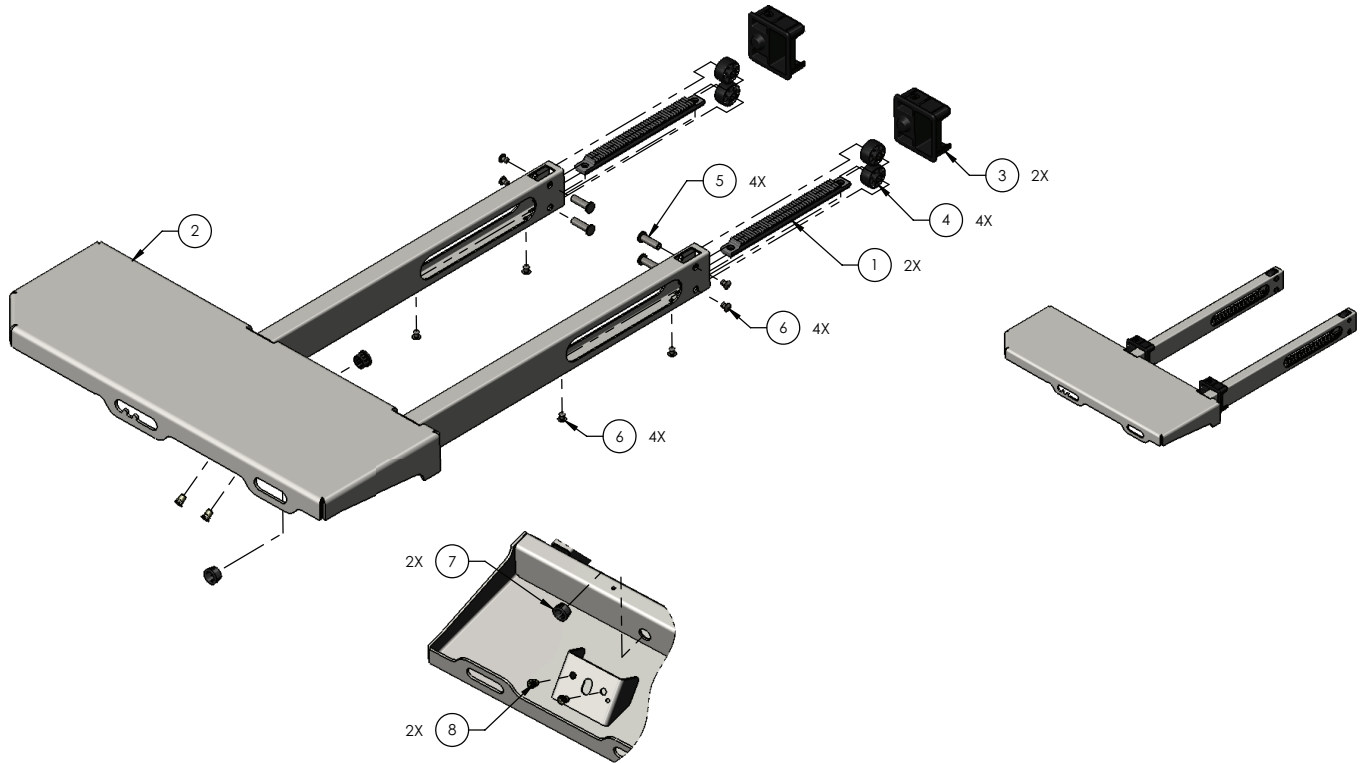
5900200075 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 2 |
| 2 | 5900240051 | Pan weldment, foot deck, patient right | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 2 |
| 4 | 5900600034 | Roller, expandable deck | 4 |
| 5 | 5900500028 | Pin, expandable deck roller | 4 |
| 6 | 0025-079-000 | Rivet, 3/16 domed sst | 8 |
| 7 | 5900690050 | Decal, deck lock position sensor | 1 |
| 8 | 5900370022 | Grommet, push-in locking 5/8" hole | 2 |
| 9 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 2 |

Deck pan assembly, foot deck, patient left

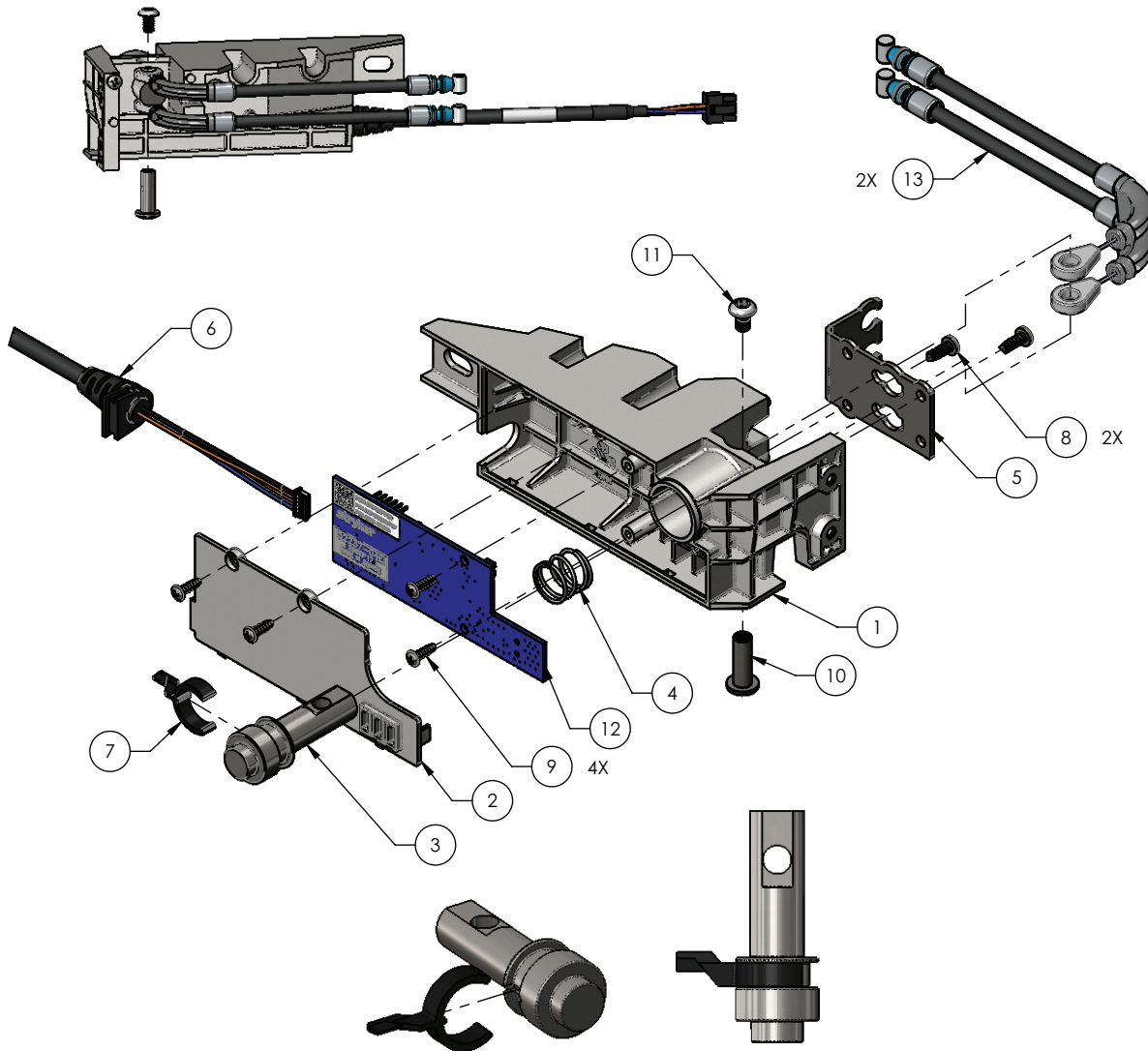
5900200074 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--|----------|
| 1 | 5900560011 | Rack, expandable deck | 2 |
| 2 | 5900240050 | Pan weldment, foot deck, patient left | 1 |
| 3 | 5900600006 | Bearing, expandable deck guide | 2 |
| 4 | 5900600034 | Roller, expandable deck | 4 |
| 5 | 5900500028 | Pin, expandable deck roller | 4 |
| 6 | 0025-079-000 | Rivet, 3/16 domed sst | 8 |
| 7 | 5900370022 | Grommet, push-in locking 5/8" hole | 2 |
| 8 | 5900310020 | Nutsert, #10-UNF thick sheet hex body-zinc | 2 |

Foot deck position lock assembly - 5900200153

Rev A (Reference only)

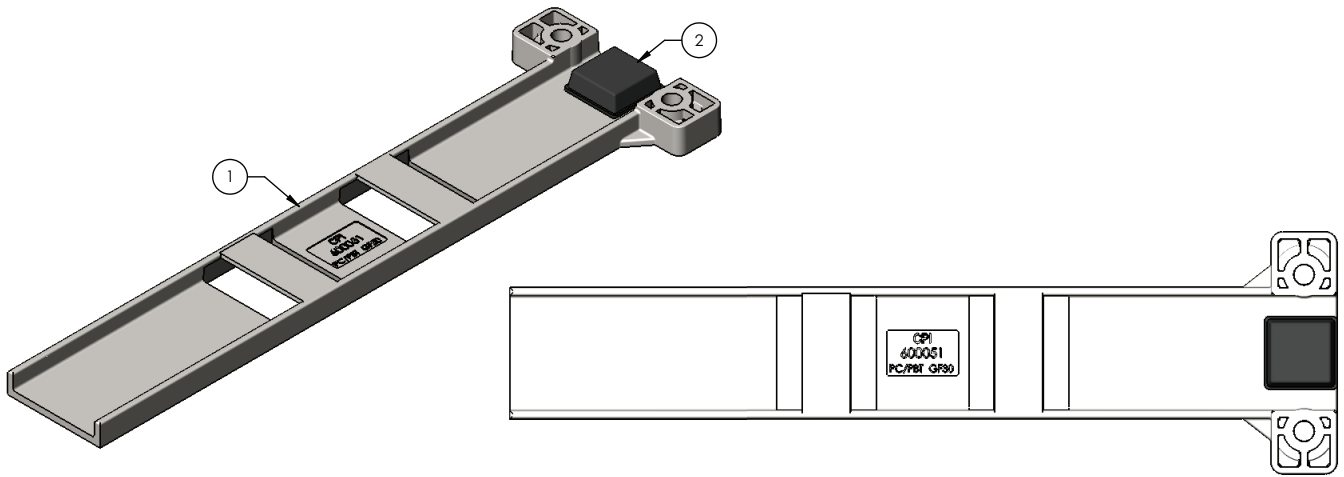


| Item | Number | Name | Quantity |
|------|------------|---|----------|
| 1 | 5900600048 | Housing, deck lock/position sensor | 1 |
| 2 | 5900600049 | Cover, deck lock/sensor housing | 1 |
| 3 | 5900500033 | Pin, deck lock | 1 |
| 4 | 5900370017 | Spring, compression deck lock | 1 |
| 5 | 5900520100 | Plate, deck lock cable mount | 1 |
| 6 | 5900430160 | HRNS, deck lock/position snsr foot deck | 1 |
| 7 | 5900600053 | Arm, deck lock sensor plunger | 1 |
| 8 | 5900340009 | Screw, pan ph #6-unc x 0.375 tri lobe | 2 |
| 9 | 5900340018 | Screw, #4-20 tri-lobular 3/8lg | 4 |
| 10 | 5900370018 | Binding barrel, 10-24 x 3/4lg zinc plated | 1 |

| Item | Number | Name | Quantity |
|-------------|---------------|-------------------------------------|-----------------|
| 11 | 0004-665-000 | Screw, bhcs #10-unc x 0.313 w/patch | 1 |
| 12 | 590040004103 | PCBA, iom deck pos mon foot | 1 |
| 13 | 5900370011 | Cable, deck extend push/pull | 2 |

Expandable deck wire guide assembly - 5900200158

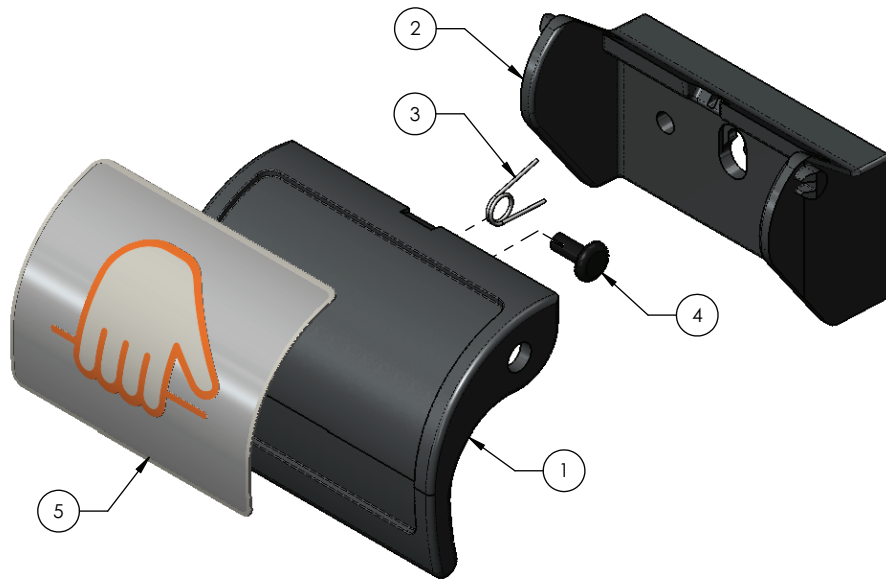
Rev C (Reference only)



| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900600051 | Wire guide, expandable deck | 1 |
| 2 | 5900370043 | Bumper, adhesive 3/4"sq x 1/4" high polyurethane | 1 |

Deck expansion handle assembly - 5900200159

Rev A (Reference only)

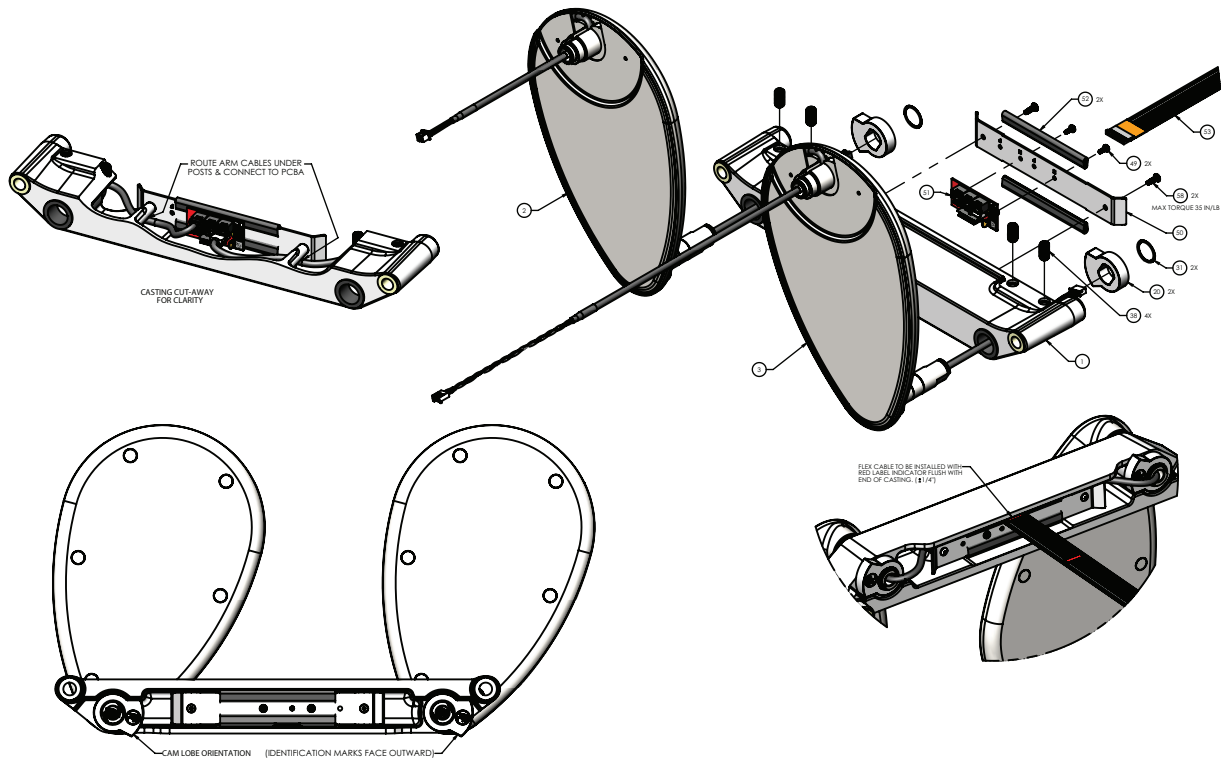


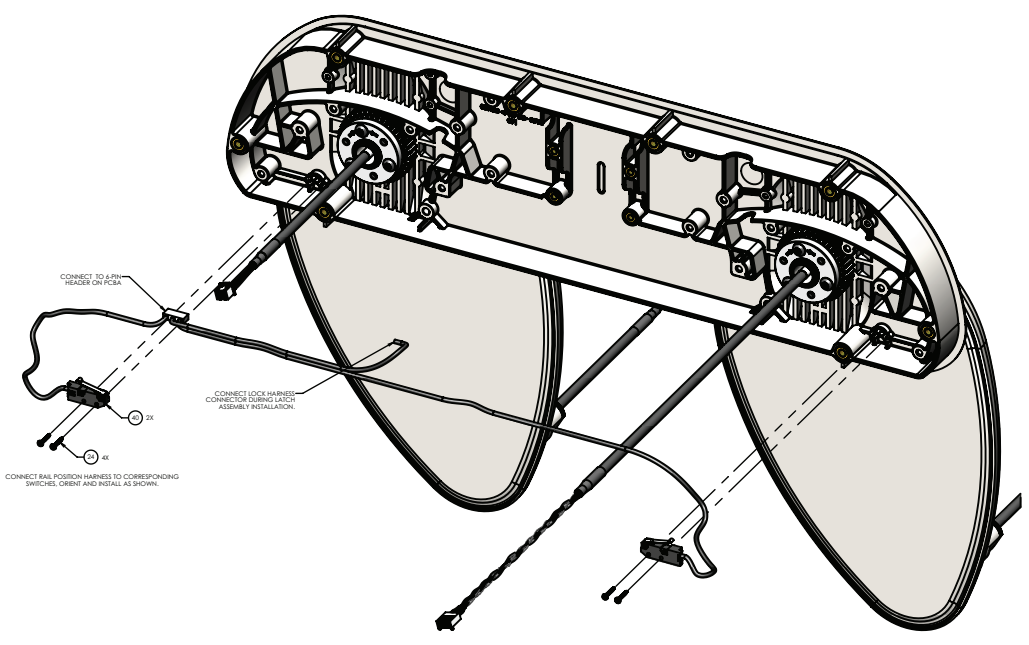
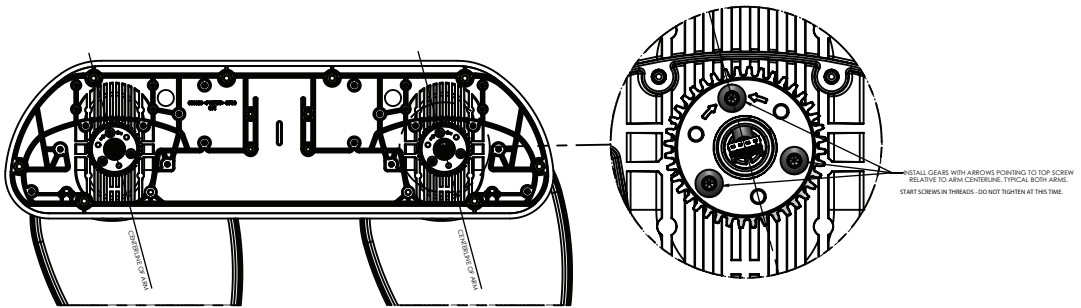
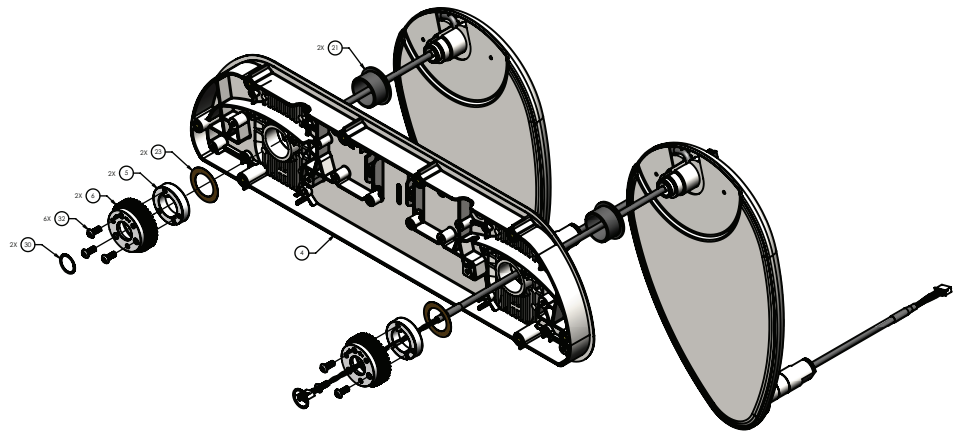
| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900600084 | Handle, deck expansion | 1 |
| 2 | 5900600086 | Backplate, handle | 1 |
| 3 | 5900370109 | Spring, torsion CPR pull handle | 1 |
| 4 | 5900370107 | Snap rivet, dia .170 hole x .250 panel thk | 1 |
| 5 | 5900690081 | Badge, deck width activation handle | 1 |

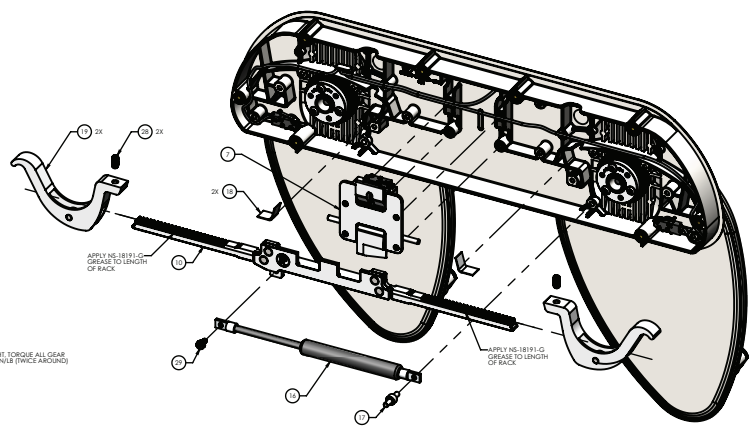
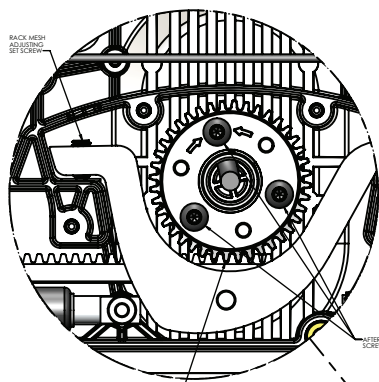
Rail assembly, head

5900200130 Rev E (right) (Reference only)

5900200131 Rev E (left) (Reference only)

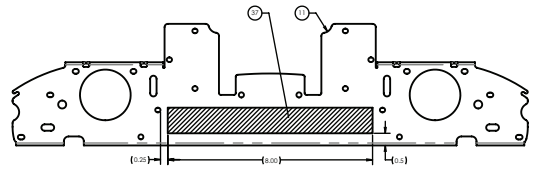
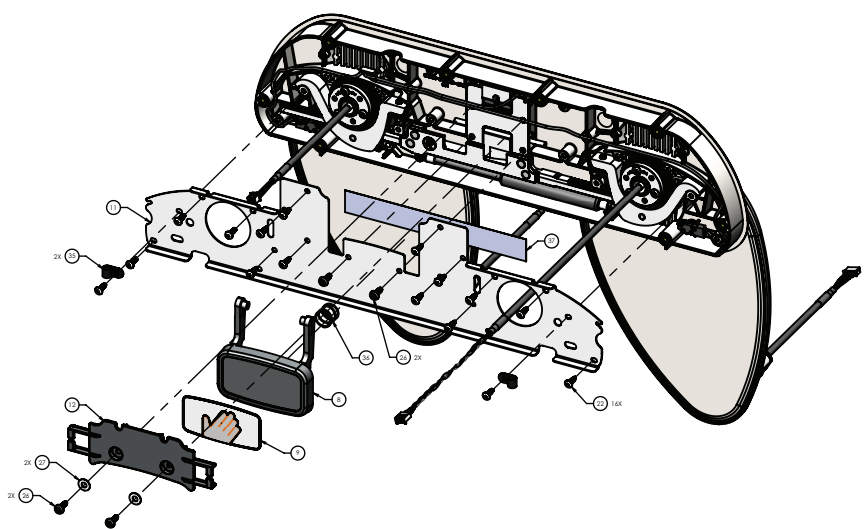
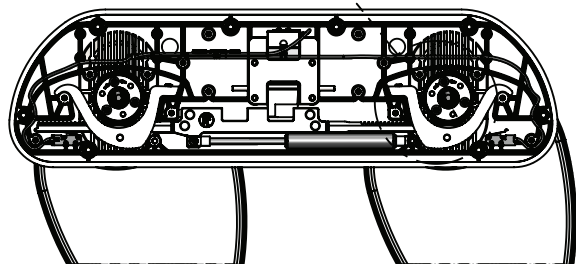




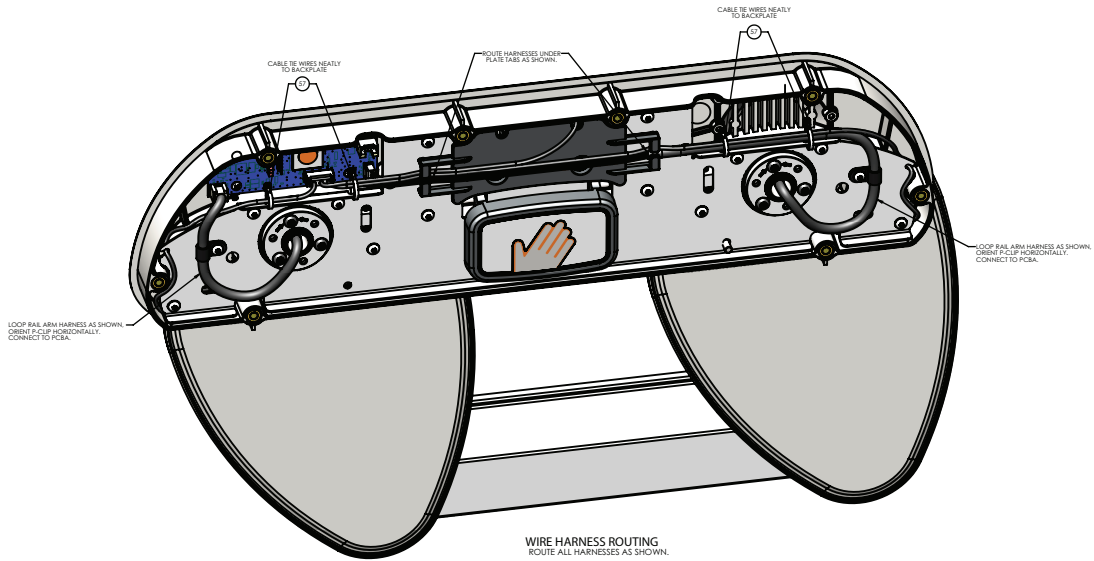
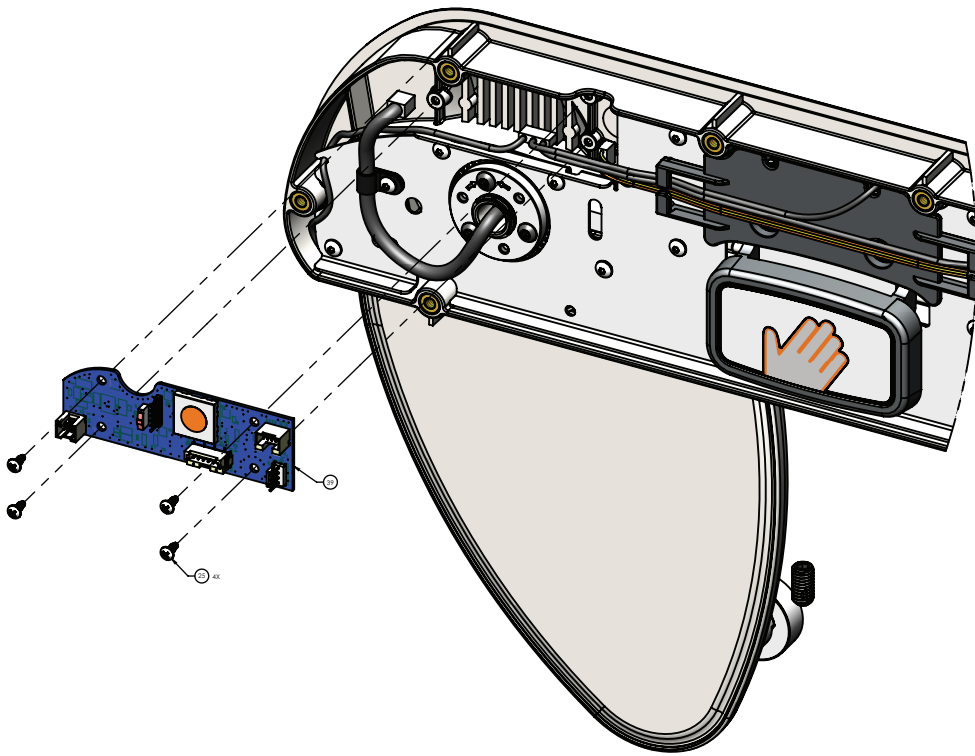


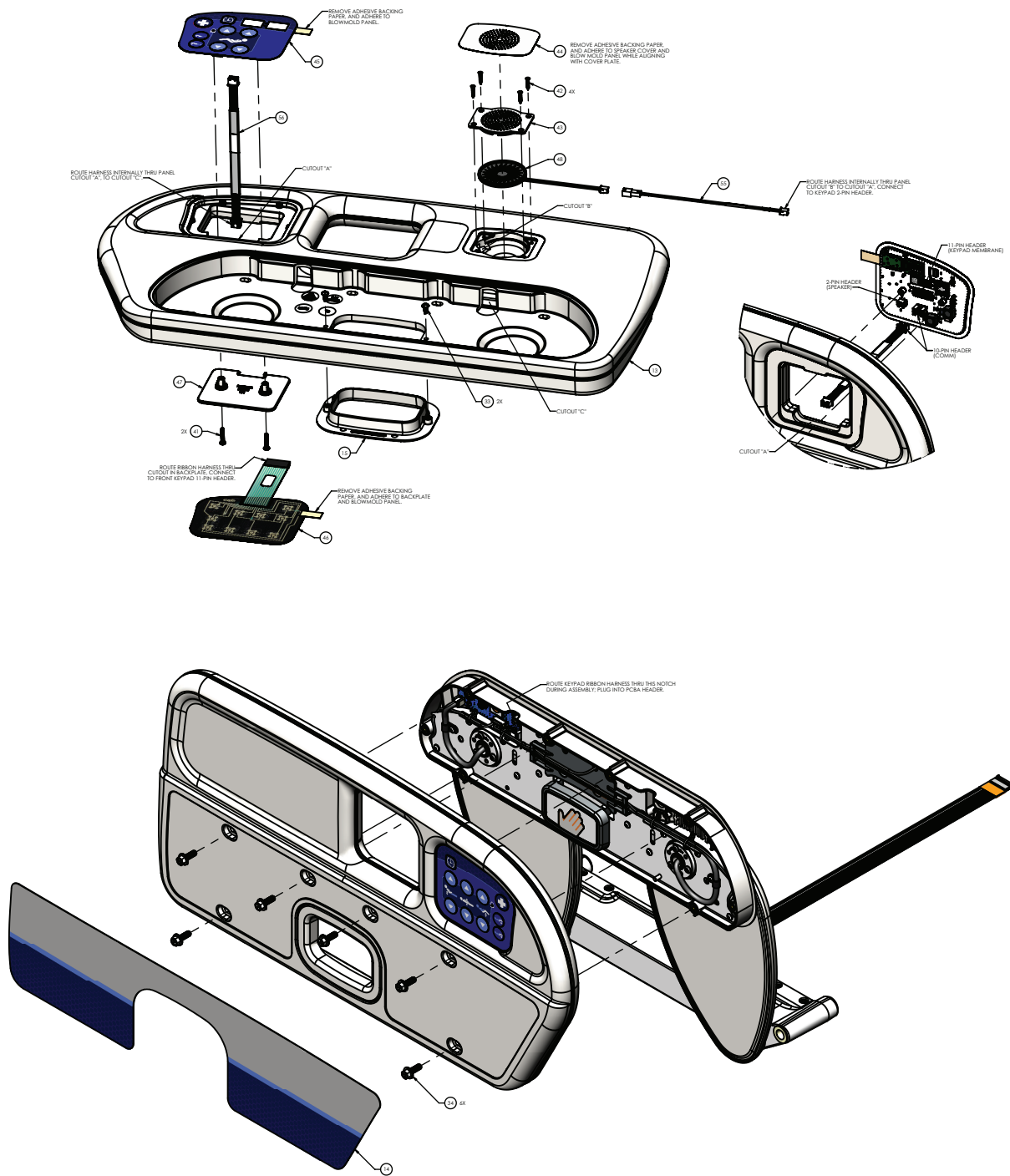
TIGHTEN BACK MESH SET SCREW TO ENSURE GEAR MESH IS TIGHT. FUNCTIONALLY CHECK TEST TO ENSURE CORRECT SETTING FOR GRAVITY FALL AND "HITCH" ADJUST BOTH LEVEL SET SCREWS AT THE SAME TIME.

AFTER MESH IS TIGHT, TORQUE ALL GEAR SCREWS TO 70-80 IN/LB (TWICE AROUND)



PLACE TAPE APPROXIMATELY AS SHOWN ON BACKPLATE





Rail assembly, head 5900200130 Rev E (Reference only)

| Item | Number | Name | Quantity |
|------|------------|---|----------|
| 1 | 5900200047 | Bracket assembly, lower rail slide (page 198) | 1 |
| 2 | 5900200061 | Rail arm assembly, power/communication (page 187) | 1 |
| 3 | 5900200062 | Rail arm assembly, nurse call/speaker (page 188) | 1 |
| 4 | 5900600026 | Backplate, upper rail C/W inserts | 1 |

Rail assembly, head 5900200130 Rev E (Reference only)

| Item | Number | Name | Quantity |
|-------------|---------------|--|-----------------|
| 5 | 5900560005 | Bushing, 1" taper lock | 2 |
| 6 | 5900560030 | Sprocket, 20DP 14.5PA 40th taper lock | 2 |
| 7 | 5900200024 | Latch lock assembly-RH/LF | 1 |
| 8 | 5900600029 | Handle-rail push | 1 |
| 9 | 5900690066 | Badge, siderail push handle | 1 |
| 10 | 5900200154 | Rail gear rack assembly, RH/LF | 1 |
| 11 | 5900540057P | Cover, upper rail backplate plated | 1 |
| 12 | 5900600032 | Cover, upper rail latch | 1 |
| 13 | 5900650005 | Rail panel, rack drive-PR | 1 |
| 14 | 5900690058 | Overlay, head rail, outboard PR | 1 |
| 15 | 5900600028 | Bezel, upper rail pull handle | 1 |
| 16 | 5900200028 | Hydraulic damper sub assembly | 1 |
| 17 | 5900500037 | Pin, damper mount stud | 1 |
| 18 | 5900370032 | Flatform, rail-load distribution plate | 2 |
| 19 | 5900200083 | Lever, alum rail arm rack drive preload assembly | 2 |
| 20 | 5900560021 | Rail arm cam stop-HR/FL | 2 |
| 21 | 5900330009 | Bushing, FLG 1.125x1.281x0.750LG (FLG 1.562x0.078) | 2 |
| 22 | 5900340074 | Screw, plastite pan head Torx #8-16 x 1/2" LG zinc | 16 |
| 23 | 5900370005 | Shim, 1.00 ID x 1.50 OD x 0.010 THK | 2 |
| 24 | 5900340012 | Screw, pan PH M1.91 x 12mm tri lobe | 4 |
| 25 | 5900340008 | Screw, pan PH #6-UNC x 0.313 HI-LO | 4 |
| 26 | 5900340073 | Screw, BH Torx #10-24 UNC x 0.50 tri lobe | 4 |
| 27 | 0011-302-000 | Washer, type A SAE #10 screw, Ø7/32 ID x Ø1/2 OD | 2 |
| 28 | 5900340075 | Set screw, 1/4-UNC x 0.50 non-mar nylon patch | 2 |
| 29 | 5900340015 | Screw, SHLDR 3/16 x 0.125-#8-UNC | 1 |
| 30 | 5900350010 | Ring, spirolox rtng ext 0.750 SST | 2 |
| 31 | 5900350011 | Ring, spirolox rtng ext 0.875 SST | 2 |
| 32 | 0004-634-000 | Screw, BHCS #10-UNF x 0.500 | 6 |
| 33 | 5900340010 | Screw, pan PH #8-UNC x 0.375 tri lobe | 2 |
| 34 | 5900340086 | Screw, serrated hex FLG 1/4-UNC x 0.75LG zinc | 6 |
| 35 | 5900350022 | Clamp, P-clip 1/4" nylon loop-black | 2 |
| 36 | 5900370108 | Latch pin spring | 1 |
| 37 | 5900370068 | Tape, wear-resistant UHMW 1"W x 0.005"THK x 8.0"LG | 1 |
| 38 | 5900340076 | Set screw, 3/8-UNC x 0.75 non-mar nylon patch | 4 |
| 39 | 590040004202 | PCBA, IOM SRC HD PR | 1 |
| 40 | 5900410002 | Switch, SPST-N/O omron D3M-01K3-3 | 2 |
| 41 | 0050-039-000 | Screw, pan head PH 6-32 x 3/4" LG zinc PL | 2 |
| 42 | 5900340042 | Screw, flat head #4 x 5/8" LG zinc PL | 4 |
| 43 | 5900600047 | Bezel, speaker Ø57mm | 1 |

Rail assembly, head 5900200130 Rev E (Reference only)

| Item | Number | Name | Quantity |
|-------------|---------------|---|-----------------|
| 44 | 5900690014 | Overlay, speaker grill Ø57mm | 1 |
| 45 | 5900470018 | Keypad, siderail PR inboard STD | 1 |
| 46 | 5900470025 | Keypad, siderail PR outboard STD | 1 |
| 47 | 5900600045 | Back plate, siderail keypad | 1 |
| 48 | 5900280009 | Ø57mm mylar speaker assembly | 1 |
| 49 | 5900340071 | Screw, sems pan PH #6-32x3/8LG int wash zinc PL | 2 |
| 50 | 5900520067P | Cover, lower rail casting plated | 1 |
| 51 | 5900400051 | PCBA, JCTN HD/FT PL-IN/PR-OUT | 1 |
| 52 | 5900370025 | Rubber edge trim | 2 |
| 53 | 5900430146 | HRNS, flat flex cable shielded short | 1 |
| 54 | 5900430156 | HRNS, SRC rail position | 1 |
| 55 | 5900430044 | HRNS, speaker jumper | 1 |
| 56 | 5900430036 | HRNS, siderail keypad control | 1 |
| 57 | 3000-300-114 | Cable tie, nylon 4" LG | 4 |
| 58 | 5900340122 | Screw, Taptite pan head Torx #8-32 x 1/2" LG zinc | 2 |

Rail assembly, head 5900200131 Rev E (Reference only)

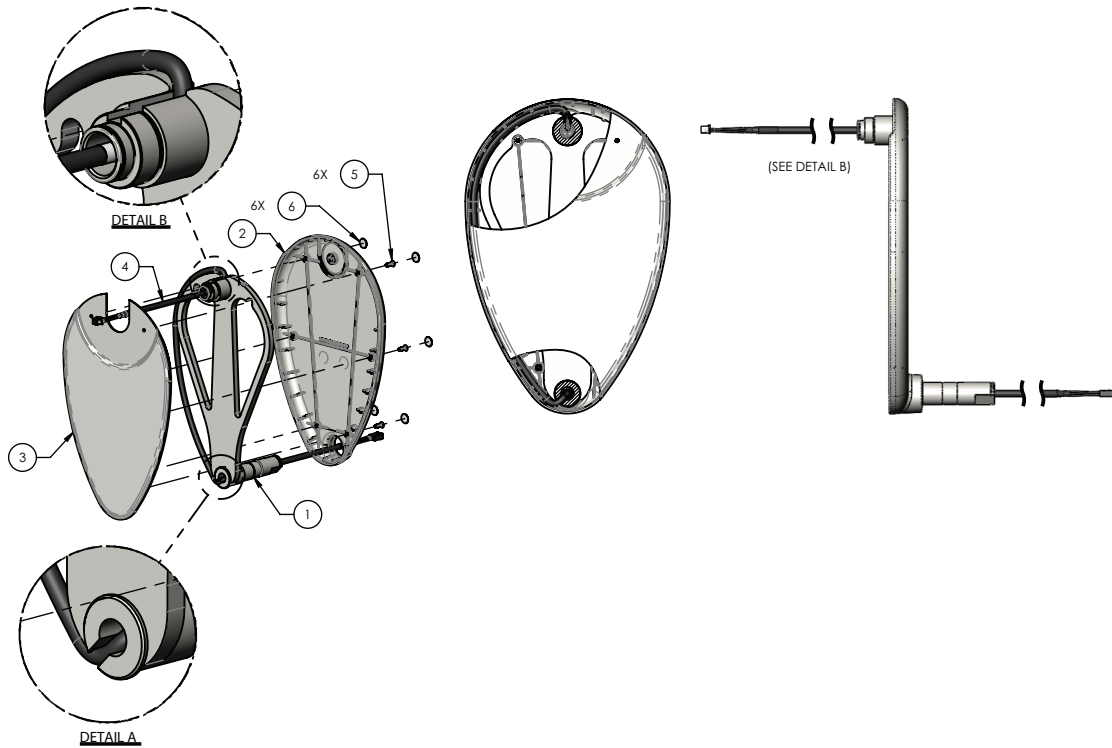
| Item | Number | Name | Quantity |
|-------------|---------------|--|-----------------|
| 1 | 5900200047 | <i>Bracket assembly, lower rail slide (page 198)</i> | 1 |
| 2 | 5900200061 | <i>Rail arm assembly, power/communication (page 187)</i> | 1 |
| 3 | 5900200062 | <i>Rail arm assembly, nurse call/speaker (page 188)</i> | 1 |
| 4 | 5900600026 | Backplate, upper rail C/W inserts | 1 |
| 5 | 5900560005 | Bushing, 1" taper lock | 2 |
| 6 | 5900560030 | Sprocket, 20DP 14.5PA 40th taper lock | 2 |
| 7 | 5900200023 | Latch lock assembly-LH/RF | 1 |
| 8 | 5900600029 | Handle-rail push | 1 |
| 9 | 5900690066 | Badge, siderail push handle | 1 |
| 10 | 5900200155 | Rail gear rack assembly, LH/RF | 1 |
| 11 | 5900540057P | Cover, upper rail backplate plated | 1 |
| 12 | 5900600032 | Cover, upper rail latch | 1 |
| 13 | 5900650006 | Rail panel, rack drive-patient head L | 1 |
| 14 | 5900690059 | Overlay, head rail, outboard PL | 1 |
| 15 | 5900600028 | Bezel, upper rail pull handle | 1 |
| 16 | 5900200028 | Hydraulic damper sub assembly | 1 |
| 17 | 5900500037 | Pin, damper mount stud | 1 |
| 18 | 5900370032 | Platform, rail-load distribution plate | 2 |
| 19 | 5900200083 | Lever, alum rail arm rack drive preload assembly | 2 |
| 20 | 5900560022 | Rail arm cam stop-HL/FR | 2 |
| 21 | 5900330009 | Bushing, FLG 1.125x1.281x0.750LG (FLG 1.562x0.078) | 2 |
| 22 | 5900340074 | Screw, plastite pan head Torx #8-16 x 1/2" LG zinc | 16 |
| 23 | 5900370005 | Shim, 1.00 ID x 1.50 OD x 0.010 THK | 2 |

Rail assembly, head 5900200131 Rev E (Reference only)

| Item | Number | Name | Quantity |
|-------------|---------------|--|-----------------|
| 24 | 5900340012 | Screw, pan PH M1.91 x 12mm tri lobe | 4 |
| 25 | 5900340008 | Screw, pan PH #6-UNC x 0.313 HI-LO | 4 |
| 26 | 5900340073 | Screw, BH Torx #10-24 UNC x 0.50 tri lobe | 4 |
| 27 | 0011-302-000 | Washer, type A SAE #10 screw, Ø7/32 ID x Ø1/2 OD | 2 |
| 28 | 5900340075 | Set screw, 1/4-UNC x 0.50 non-mar nylon patch | 2 |
| 29 | 5900340015 | Screw, SHLDR 3/16 x 0.125-#8-UNC | 1 |
| 30 | 5900350010 | Ring, spirolox rtng ext 0.750 SST | 2 |
| 31 | 5900350011 | Ring, spirolox rtng ext 0.875 SST | 2 |
| 32 | 0004-634-000 | Screw, BHCS #10-UNF x 0.500 | 6 |
| 33 | 5900340010 | Screw, pan PH #8-UNC x 0.375 tri lobe | 2 |
| 34 | 5900340086 | Screw, serrated hex FLG 1/4-UNC x 0.75LG zinc | 6 |
| 35 | 5900350022 | Clamp, P-clip 1/4" nylon loop-black | 2 |
| 36 | 5900370108 | Latch pin spring | 1 |
| 37 | 5900370068 | Tape, wear-resistant UHMW 1"W x 0.005"THK x 8.0"LG | 1 |
| 38 | 5900340076 | Set screw, 3/8-UNC x 0.75 non-mar nylon patch | 4 |
| 39 | 590040004201 | PCBA, IOM SRC HD PL | 1 |
| 40 | 5900410002 | Switch, SPST-N/O omron D3M-01K3-3 | 2 |
| 41 | 0050-039-000 | Screw, pan head PH 6-32 x 3/4" LG zinc PL | 2 |
| 42 | 5900340042 | Screw, flat head #4 x 5/8" LG zinc PL | 4 |
| 43 | 5900600047 | Bezel, speaker Ø57mm | 1 |
| 44 | 5900690014 | Overlay, speaker grill Ø57mm | 1 |
| 45 | 5900470019 | Keypad, siderail PL inboard STD | 1 |
| 46 | 5900470026 | Keypad, siderail PL outboard STD | 1 |
| 47 | 5900600045 | Back plate, siderail keypad | 1 |
| 48 | 5900280009 | Ø57mm mylar speaker assembly | 1 |
| 49 | 5900340071 | Screw, sems pan PH #6-32x3/8LG int wash zinc PL | 2 |
| 50 | 5900520067P | Cover, lower rail casting plated | 1 |
| 51 | 5900400052 | PCBA, JCTN HD/FT PL-OUT/PR-IN | 1 |
| 52 | 5900370025 | Rubber edge trim | 2 |
| 53 | 5900430146 | HRNS, flat flex cable shielded short | 1 |
| 54 | 5900430156 | HRNS, SRC rail position | 1 |
| 55 | 5900430044 | HRNS, speaker jumper | 1 |
| 56 | 5900430036 | HRNS, siderail keypad control | 1 |
| 57 | 3000-300-114 | Cable tie, nylon 4" LG | 4 |
| 58 | 5900340122 | Screw, Taptite pan head Torx #8-32 x 1/2" LG zinc | 2 |

Rail arm assembly, power/communication

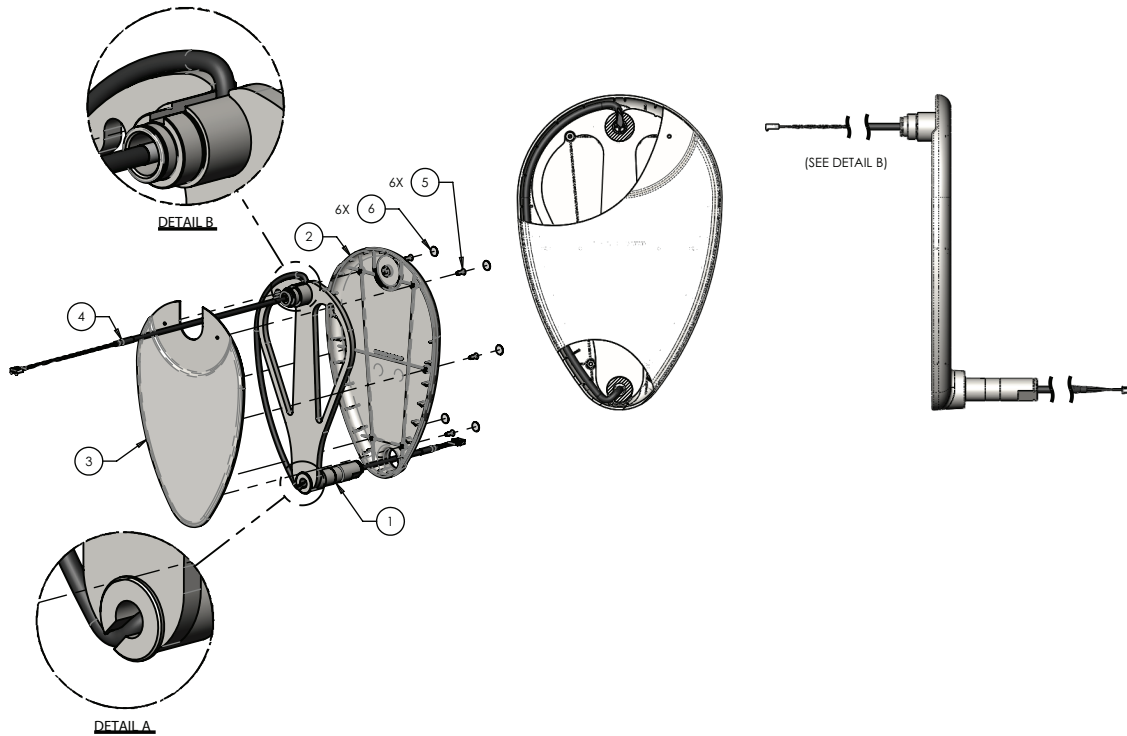
5900200061 Rev B (Reference only)



| Item | Number | Name | Quantity |
|------|------------|---|----------|
| 1 | 5900240028 | Rail arm weldment | 1 |
| 2 | 5900600008 | Rail arm cover, inside | 1 |
| 3 | 5900600009 | Rail arm cover, outside | 1 |
| 4 | 5900430059 | HRNS, rail arm pwr/comm cable head and knee | 1 |
| 5 | 5900340110 | Screw, flat ph #8-UNC x 0.50 tri lobe | 6 |
| 6 | 5900690009 | Overlay, screw cover Ø1/2" white | 6 |

Rail arm assembly, nurse call/speaker

5900200062 Rev B (Reference only)

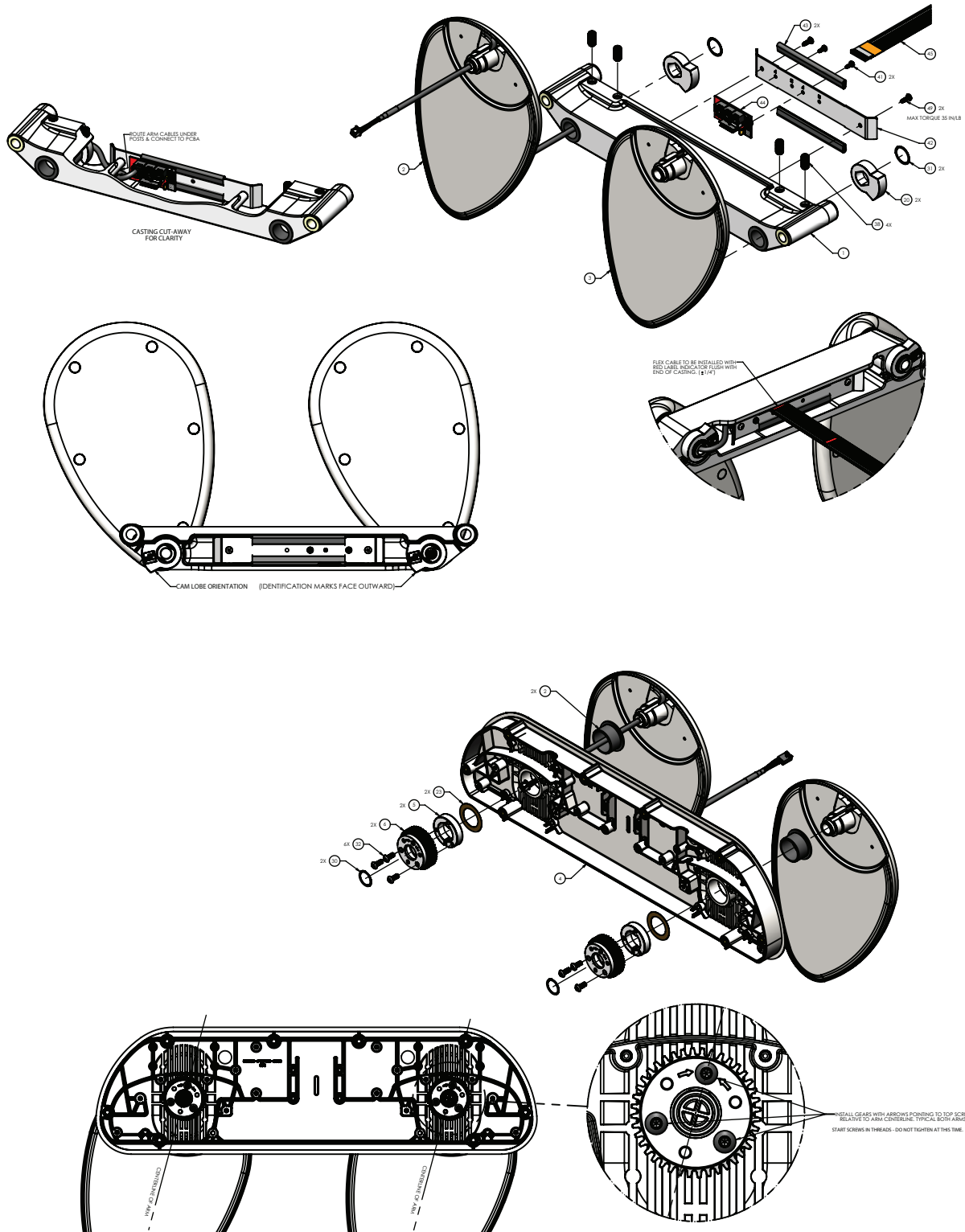


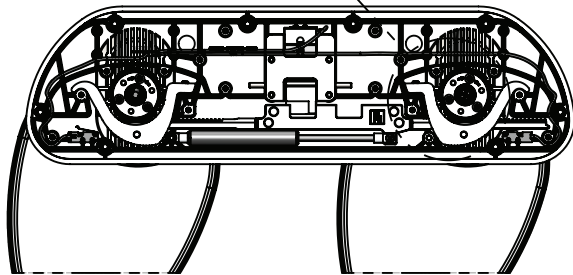
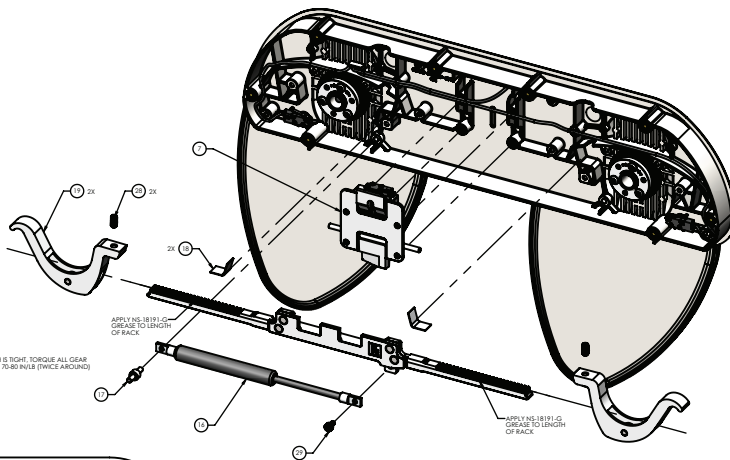
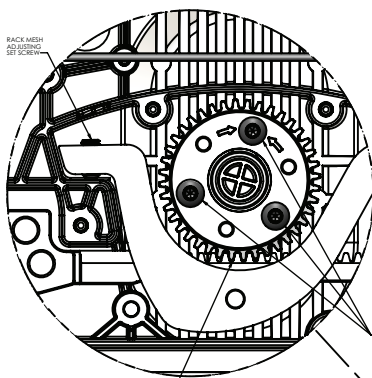
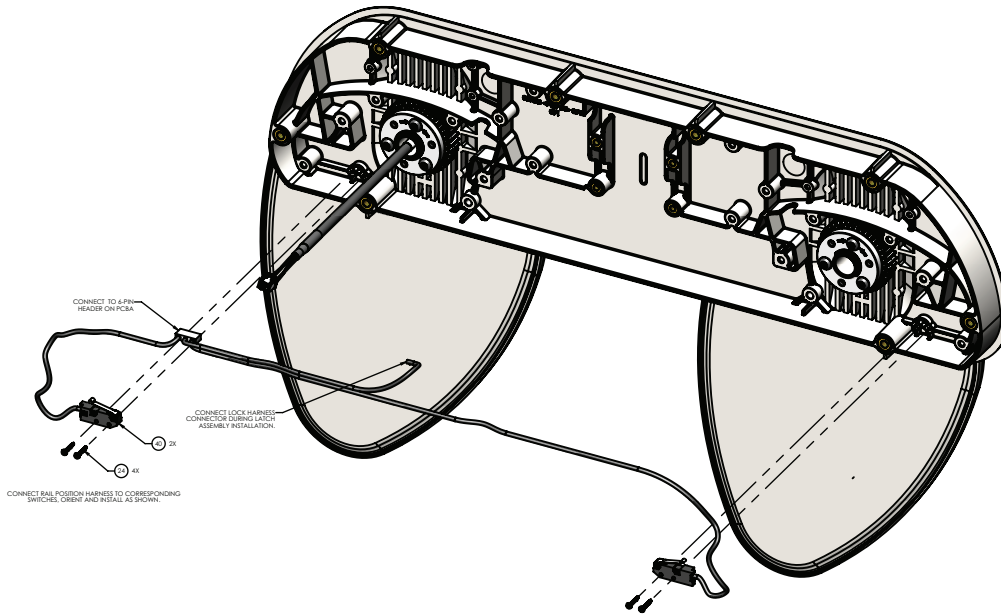
| Item | Number | Name | Quantity |
|------|------------|---------------------------------------|----------|
| 1 | 5900240028 | Rail arm weldment | 1 |
| 2 | 5900600008 | Rail arm cover, inside | 1 |
| 3 | 5900600009 | Rail arm cover, outside | 1 |
| 4 | 5900430060 | HRNS, rail arm NC/spkr cable head | 1 |
| 5 | 5900340110 | Screw, flat ph #8-UNC x 0.50 tri lobe | 6 |
| 6 | 5900690009 | Overlay, screw cover Ø1/2" white | 6 |

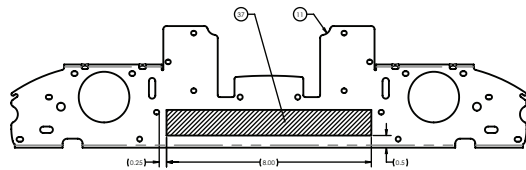
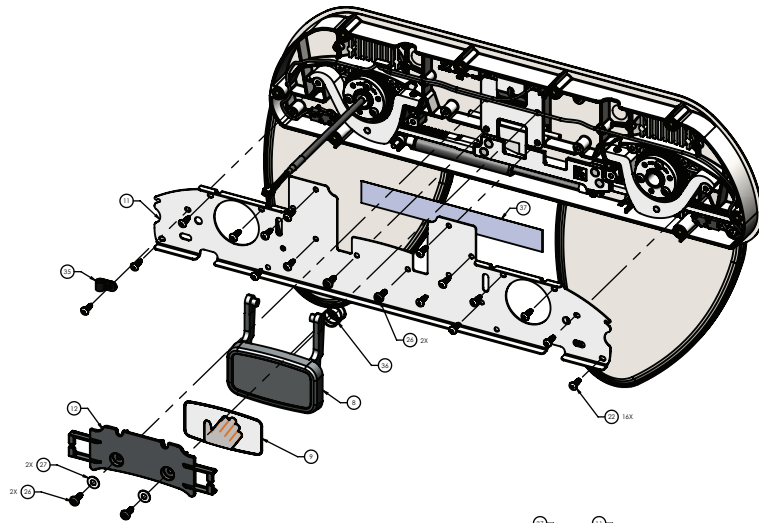
Rail assembly, foot

5900200132 Rev E (right) (Reference only)

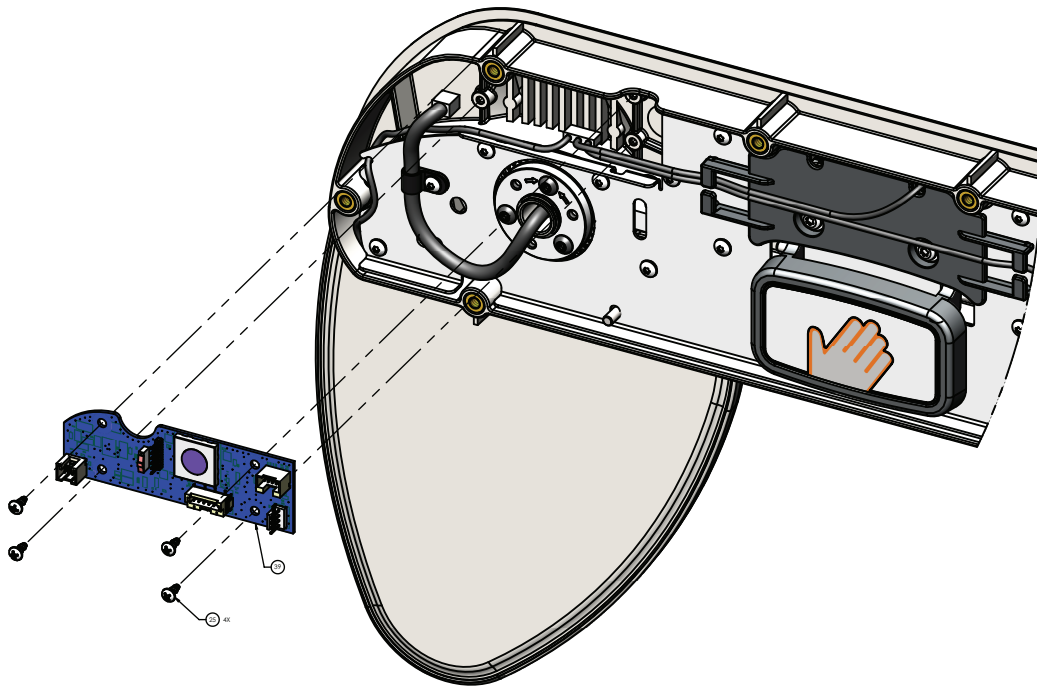
5900200133 Rev E (left) (Reference only)

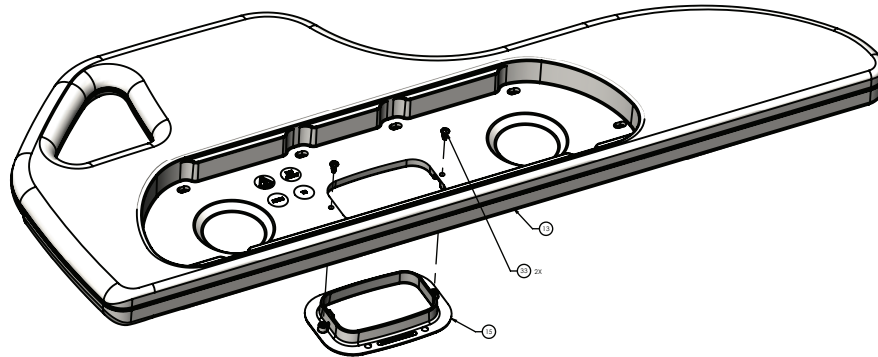
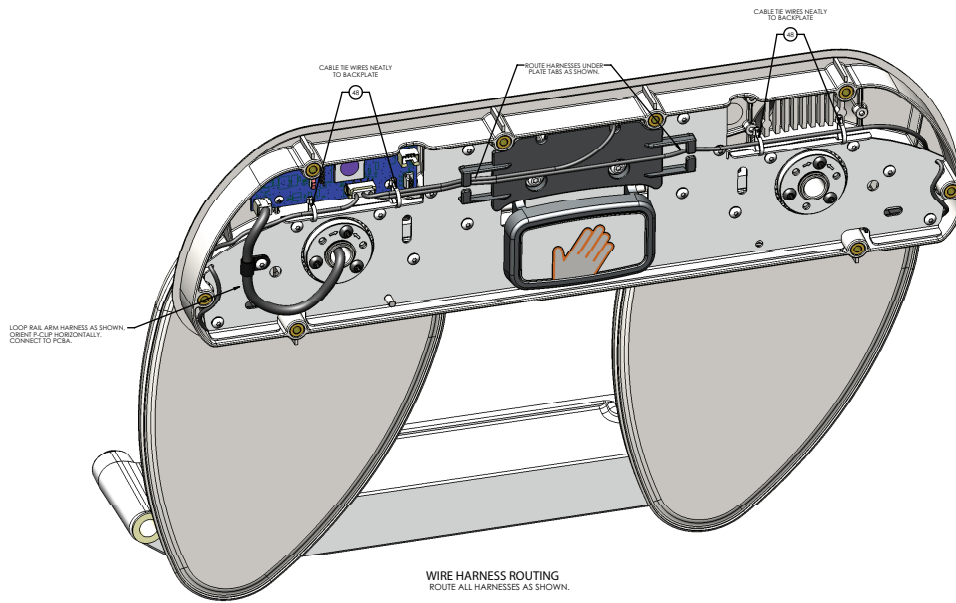


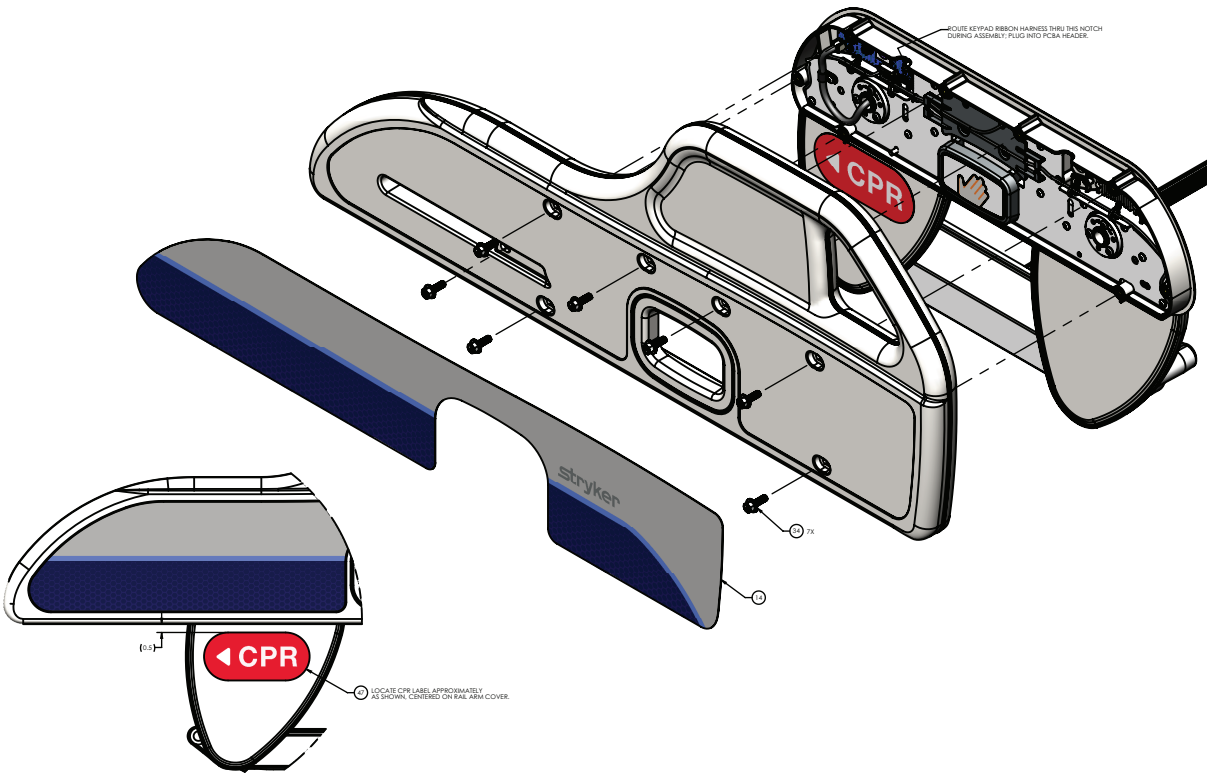




PLACE TAPE APPROXIMATELY AS SHOWN ON BACKPLATE







Rail assembly, foot 5900200132 Rev E (Reference only)

| Item | Number | Name | Quantity |
|------|-------------|---|----------|
| 1 | 5900200047 | Bracket assembly, lower rail slide (page 198) | 1 |
| 2 | 5900200061 | Rail arm assembly, power/communication (page 187) | 1 |
| 3 | 5900200060 | Rail arm assembly, no cable (page 197) | 1 |
| 4 | 5900600026 | Backplate, upper rail C/W inserts | 1 |
| 5 | 5900560005 | Bushing, 1" taper lock | 2 |
| 6 | 5900560030 | Sprocket, 20DP 14.5PA 40th taper lock | 2 |
| 7 | 5900200023 | Latch lock assembly-LH/RF | 1 |
| 8 | 5900600029 | Handle-rail push | 1 |
| 9 | 5900690066 | Badge, siderail push handle | 1 |
| 10 | 5900200155 | Rail gear rack assembly LH/RF | 1 |
| 11 | 5900540057P | Cover, upper rail backplate plated | 1 |
| 12 | 5900600032 | Cover, upper rail latch | 1 |
| 13 | 5900650007 | Rail panel, rack drive-patient foot R | 1 |
| 14 | 5900690056 | Overlay, foot rail, outboard PR | 1 |
| 15 | 5900600028 | Bezel, upper rail pull handle | 1 |
| 16 | 5900200028 | Hydraulic damper sub assembly | 1 |
| 17 | 5900500037 | Pin, damper mount stud | 1 |
| 18 | 5900370032 | Platform, rail-load distribution plate | 2 |
| 19 | 5900200083 | Lever, alum rail arm rack drive preload assembly | 2 |
| 20 | 5900560022 | Rail arm cam stop-HL/FR | 2 |

Rail assembly, foot 5900200132 Rev E (Reference only)

| Item | Number | Name | Quantity |
|-------------|---------------|---|-----------------|
| 21 | 5900330009 | Bushing, FLG 1.125x1.281x0.750LG (FLG 1.562x0.078) | 2 |
| 22 | 5900340074 | Screw, plastite pan head Torx #8-16 x 1/ 2" LG zinc | 16 |
| 23 | 5900370005 | Shim, 1.00 ID x 1.50 OD x 0.010 THK | 2 |
| 24 | 5900340012 | Screw, pan PH M1.91 x 12mm tri lobe | 4 |
| 25 | 5900340008 | Screw, pan PH #6-UNC x 0.313 HI-LO | 4 |
| 26 | 5900340073 | Screw, BH Torx #10-24 UNC x 0.50 tri lobe | 4 |
| 27 | 0011-302-000 | Washer, type A SAE #10 screw, Ø7/32 ID x Ø1/2 OD | 2 |
| 28 | 5900340075 | Set screw, 1/4-UNC x 0.50 non-mar nylon patch | 2 |
| 29 | 5900340015 | Screw, SHLDR 3/16 x 0.125-#8-UNC | 1 |
| 30 | 5900350010 | Ring, spirolox RTNG EXT 0.750 SST | 2 |
| 31 | 5900350011 | Ring, spirolox RTNG EXT 0.875 SST | 2 |
| 32 | 0004-634-000 | Screw, BHCS #10-UNF x 0.500 | 6 |
| 33 | 5900340010 | Screw, pan PH #8-UNC x 0.375 tri lobe | 2 |
| 34 | 5900340086 | Screw, serrated hex FLG 1/4-UNC x 0.75LG zinc | 7 |
| 35 | 5900350022 | Clamp, P-clip 1/4" nylon loop-black | 1 |
| 36 | 5900370108 | Latch pin spring | 1 |
| 37 | 5900370068 | Tape, wear-resistant UHMW 1"W , 0.005"THK x 8.0"LG | 1 |
| 38 | 5900340076 | Set screw, 3/8-UNC x 0.75 non-mar nylon patch | 4 |
| 39 | 590040004204 | PCBA, IOM SRC FT PR | 1 |
| 40 | 5900410002 | Switch, SPST-N/P omron D3M-01K3-3 | 2 |
| 41 | 5900340071 | Screw, SEMS pan PH #6-32x3/8LG INT wash zinc PL | 2 |
| 42 | 5900520067P | Cover, lower rail casting plated | 1 |
| 43 | 5900370025 | Rubber edge trim | 2 |
| 44 | 5900400051 | PCBA, JCTN HD/FT PL-IN/PR-OUT | 1 |
| 45 | 5900430147 | HRNS, flat flex cable shielded long | 1 |
| 46 | 5900430156 | HRNS, SRC rail position | 1 |
| 47 | 5900690086 | Label, locator CPR handle PR | 1 |
| 48 | 3000-300-114 | Cable tie, nylon 4" LG | 4 |
| 49 | 5900340122 | Screw, Taptite pan head Torx #8-32 x 1/ 2" lg zinc | 2 |

Rail assembly, foot 5900200133 Rev E (Reference only)

| Item | Number | Name | Quantity |
|-------------|---------------|---|-----------------|
| 1 | 5900200047 | <i>Bracket assembly, lower rail slide (page 198)</i> | 1 |
| 2 | 5900200061 | <i>Rail arm assembly, power/ communication (page 187)</i> | 1 |
| 3 | 5900200060 | <i>Rail arm assembly, no cable (page 197)</i> | 1 |
| 4 | 5900600026 | Backplate, upper rail C/W inserts | 1 |
| 5 | 5900560005 | Bushing, 1" taper lock | 2 |
| 6 | 5900560030 | Sprocket, 20DP 14.5PA 40th taper lock | 2 |
| 7 | 5900200024 | Latch lock assembly-RH/LF | 1 |

Rail assembly, foot 5900200133 Rev E (Reference only)

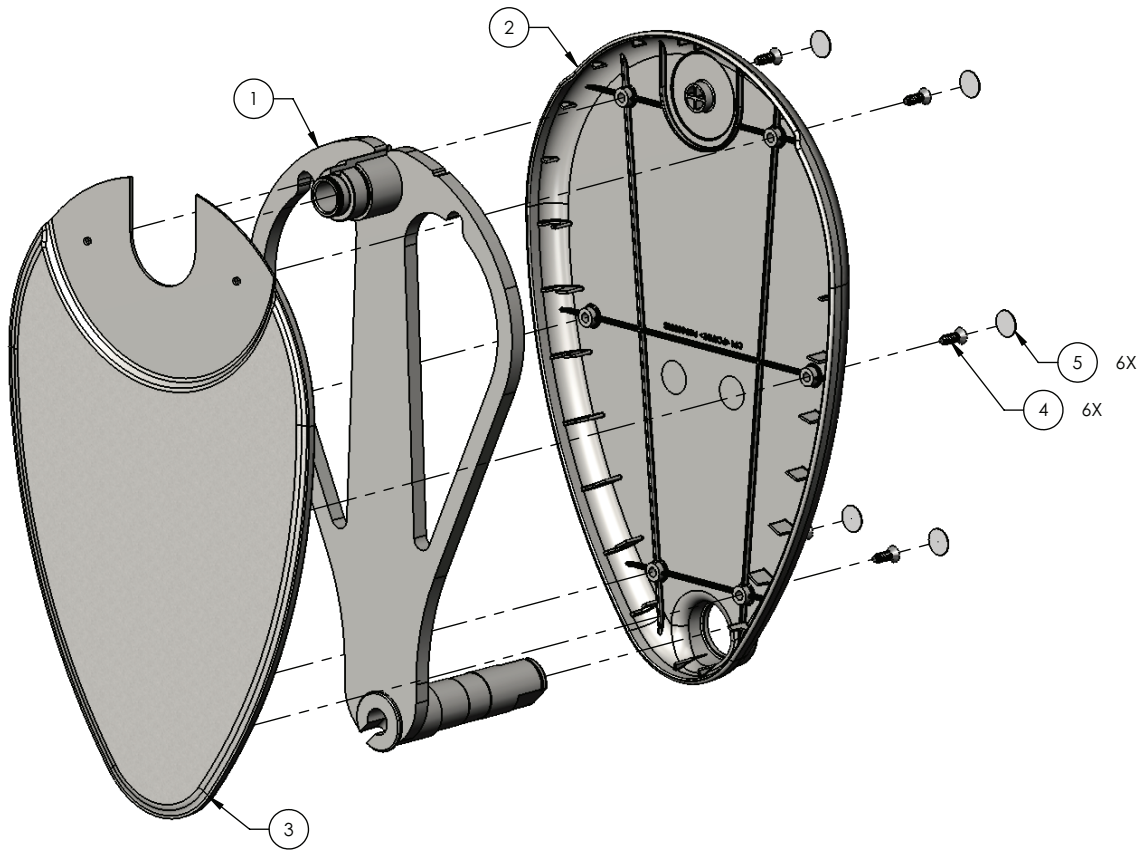
| Item | Number | Name | Quantity |
|-------------|---------------|--|-----------------|
| 8 | 5900600029 | Handle-rail push | 1 |
| 9 | 5900690066 | Badge, siderail push handle | 1 |
| 10 | 5900200154 | Rail gear rack assembly RH/LF | 1 |
| 11 | 5900540057P | Cover, upper rail backplate plated | 1 |
| 12 | 5900600032 | Cover, upper rail latch | 1 |
| 13 | 5900650008 | Rail panel, rack drive-patient foot L | 1 |
| 14 | 5900690057 | Overlay, foot rail, outboard PL | 1 |
| 15 | 5900600028 | Bezel, upper rail pull handle | 1 |
| 16 | 5900200028 | Hydraulic damper sub assembly | 1 |
| 17 | 5900500037 | Pin, damper mount stud | 1 |
| 18 | 5900370032 | Platform, rail-load distribution plate | 2 |
| 19 | 5900200083 | Lever, alum rail arm rack drive preload assembly | 2 |
| 20 | 5900560021 | Rail arm cam stop-HR/FL | 2 |
| 21 | 5900330009 | Bushing, FLG 1.125x1.281x0.750LG (FLG 1.562x0.078) | 2 |
| 22 | 5900340074 | Screw, plastite pan head Torx #8-16 x 1/2" LG zinc | 16 |
| 23 | 5900370005 | Shim, 1.00 ID x 1.50 OD x 0.010 THK | 2 |
| 24 | 5900340012 | Screw, pan PH M1.91 x 12mm tri lobe | 4 |
| 25 | 5900340008 | Screw, pan PH #6-UNC x 0.313 HI-LO | 4 |
| 26 | 5900340073 | Screw, BH Torx #10-24 UNC x 0.50 tri lobe | 4 |
| 27 | 0011-302-000 | Washer, type A SAE #10 screw, Ø7/32 ID x Ø1/2 OD | 2 |
| 28 | 5900340075 | Set screw, 1/4-UNC x 0.50 non-mar nylon patch | 2 |
| 29 | 5900340015 | Screw, SHLDR 3/16 x 0.125-#8-UNC | 1 |
| 30 | 5900350010 | Ring, spirolox RTNG EXT 0.750 SST | 2 |
| 31 | 5900350011 | Ring, spirolox RTNG EXT 0.875 SST | 2 |
| 32 | 0004-634-000 | Screw, BHCS #10-UNF x 0.500 | 6 |
| 33 | 5900340010 | Screw, pan PH #8-UNC x 0.375 tri lobe | 2 |
| 34 | 5900340086 | Screw, serrated hex FLG 1/4-UNC x 0.75LG zinc | 7 |
| 35 | 5900350022 | Clamp, P-clip 1/4" nylon loop-black | 1 |
| 36 | 5900370108 | Latch pin spring | 1 |
| 37 | 5900370068 | Tape, wear-resistant UHMW 1"W , 0.005"THK x 8.0"LG | 1 |
| 38 | 5900340076 | Set screw, 3/8-UNC x 0.75 non-mar nylon patch | 4 |
| 39 | 590040004203 | PCBA, IOM SRC FT PL | 1 |
| 40 | 5900410002 | Switch, SPST-N/P omron D3M-01K3-3 | 2 |
| 41 | 5900340071 | Screw, SEMS pan PH #6-32x3/8LG INT wash zinc PL | 2 |
| 42 | 5900520067P | Cover, lower rail casting plated | 1 |
| 43 | 5900370025 | Rubber edge trim | 2 |
| 44 | 5900400052 | PCBA, JCTN HD/FT PL-OUT/PR-IN | 1 |
| 45 | 5900430146 | HRNS, flat flex cable shielded short | 1 |
| 46 | 5900430156 | HRNS, SRC rail position | 1 |

Rail assembly, foot 5900200133 Rev E (Reference only)

| Item | Number | Name | Quantity |
|-------------|---------------|---|-----------------|
| 47 | 5900690087 | Label, locator CPR handle PL | 1 |
| 48 | 3000-300-114 | Cable tie, nylon 4" LG | 4 |
| 49 | 5900340122 | Screw, Taptite pan head Torx #8-32 x 1/ 2 2" lg zinc | 2 |

Rail arm assembly, no cable

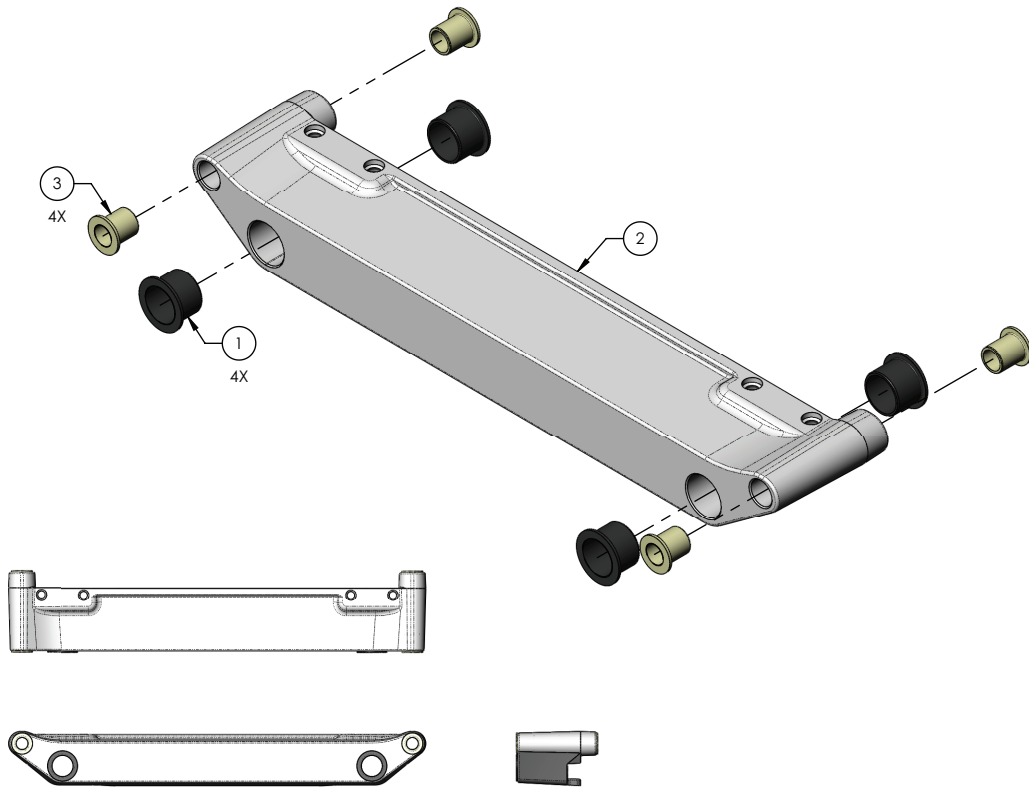
5900200060 Rev A (Reference only)



| Item | Number | Name | Quantity |
|------|------------|---------------------------------------|----------|
| 1 | 5900240028 | Rail arm weldment | 1 |
| 2 | 5900600008 | Rail arm cover, inside | 1 |
| 3 | 5900600009 | Rail arm cover, outside | 1 |
| 4 | 5900340110 | Screw, flat ph #8-UNC x 0.50 tri lobe | 6 |
| 5 | 5900690009 | Overlay, screw cover Ø1/2" white | 6 |

Bracket assembly, lower rail slide

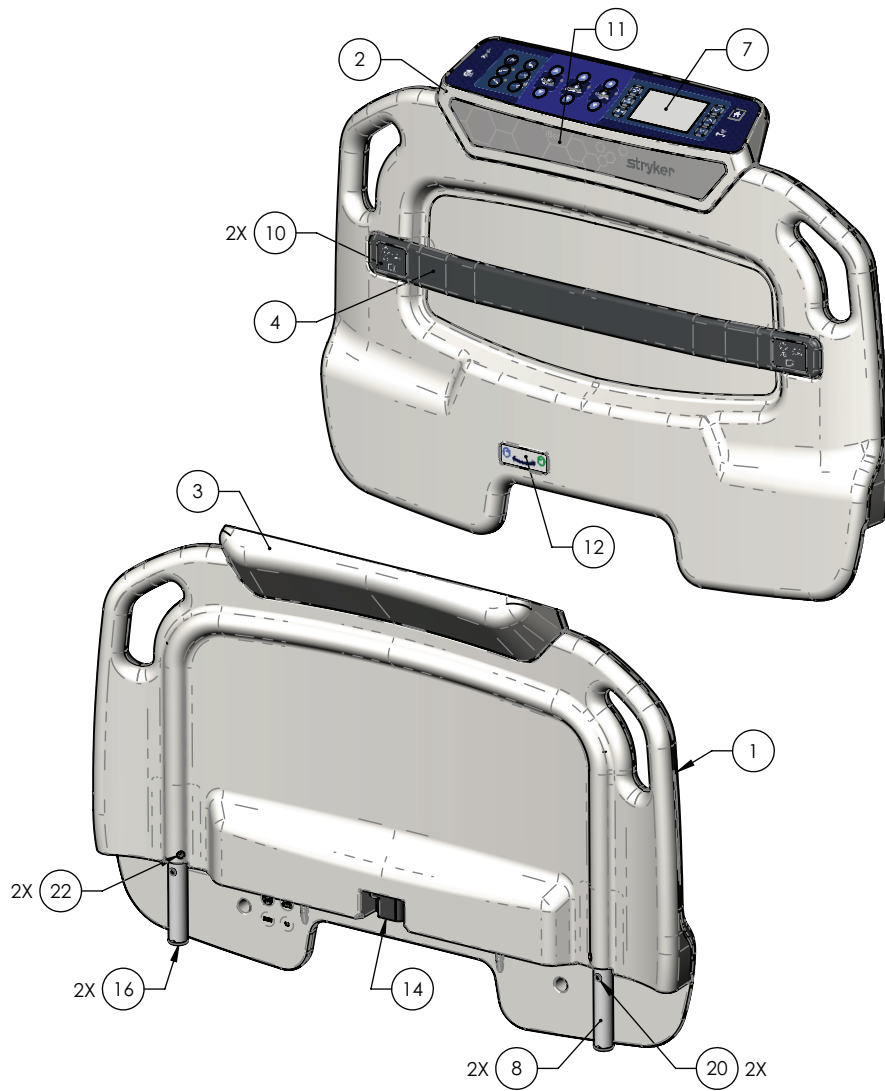
5900200047 Rev B (Reference only)

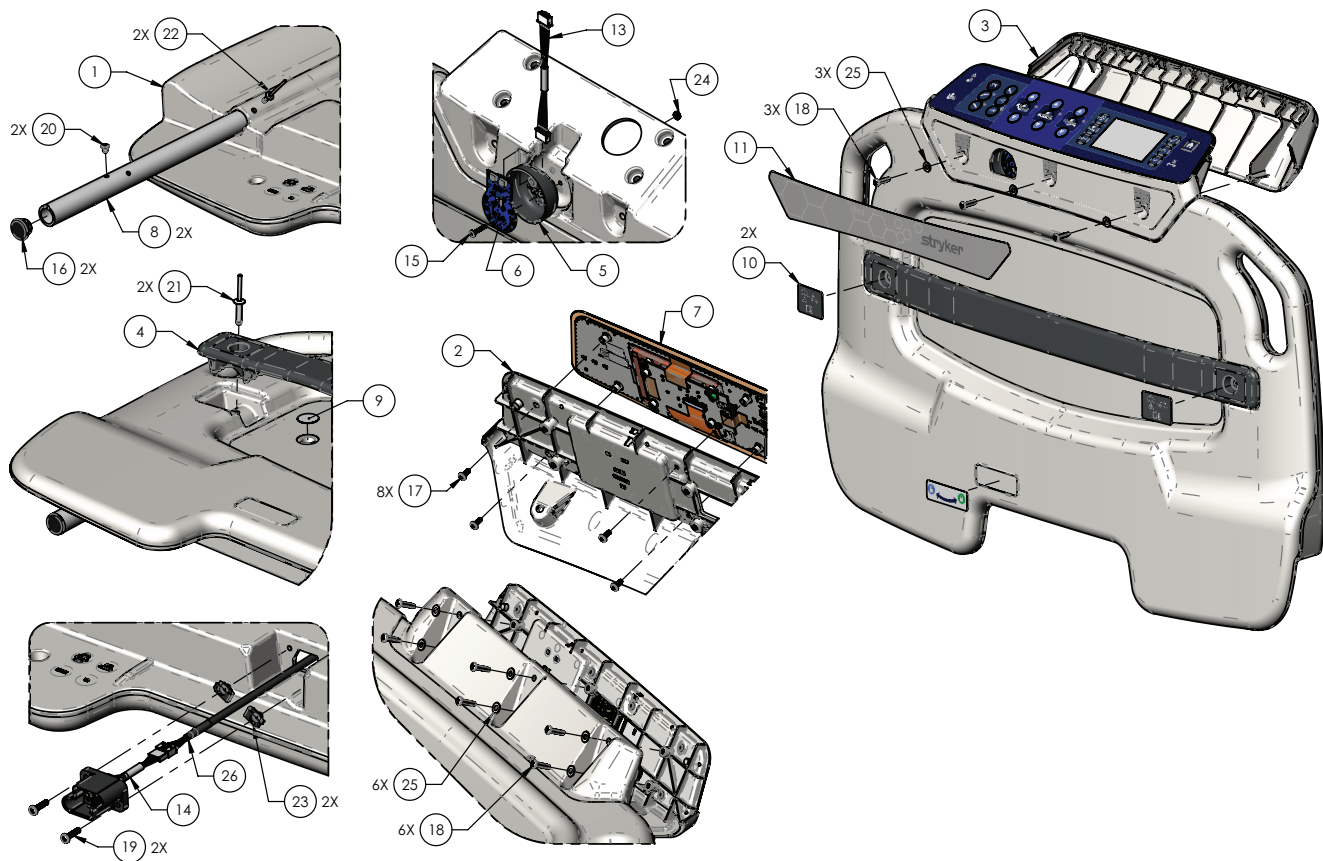


| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900330008 | Bushing, flg 0.875x1.000x0.375lg (flg 1.250x0.062) | 4 |
| 2 | 5900560020 | Bracket, rail arm slide w/camstop- cast | 1 |
| 3 | 5900330010 | Bushing, flg 0.500x0.625x0.750lg (flg 0.875x0.062) | 4 |

Footboard assembly - 5900200025

Rev C (Reference only)



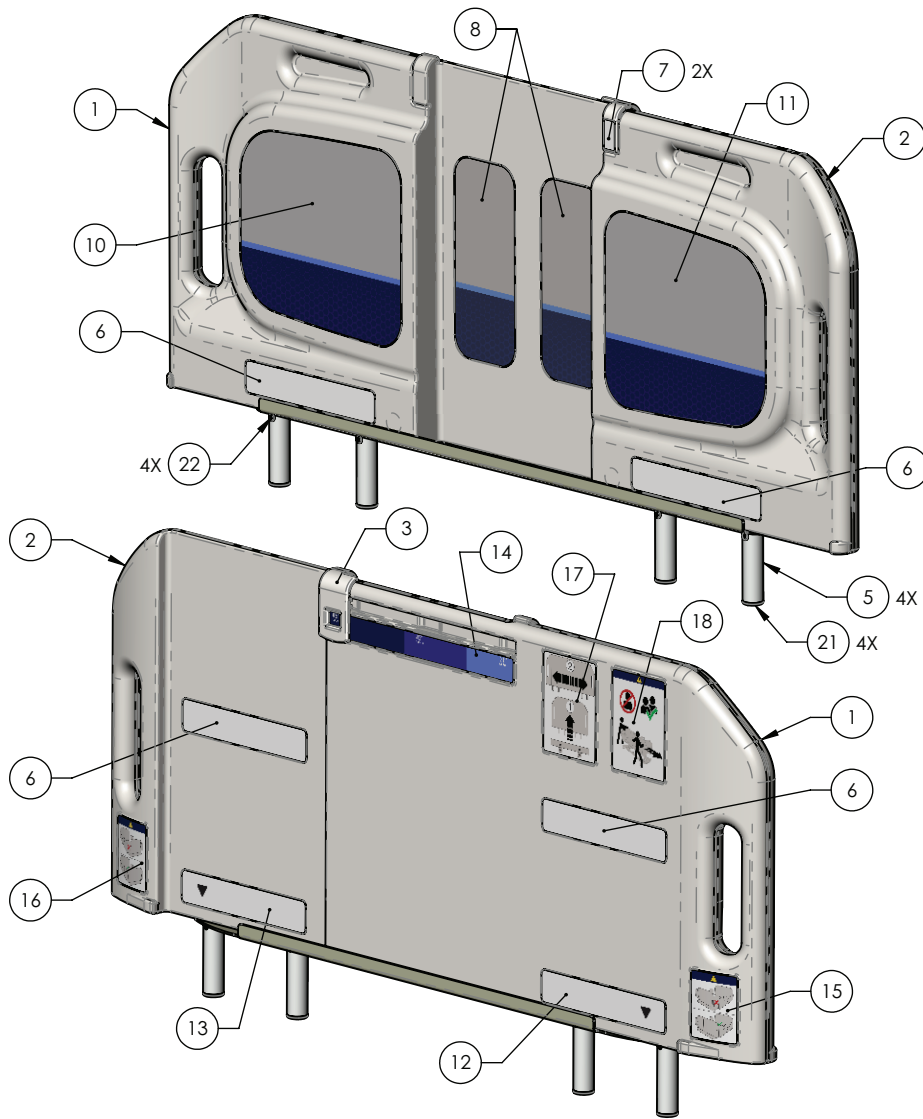


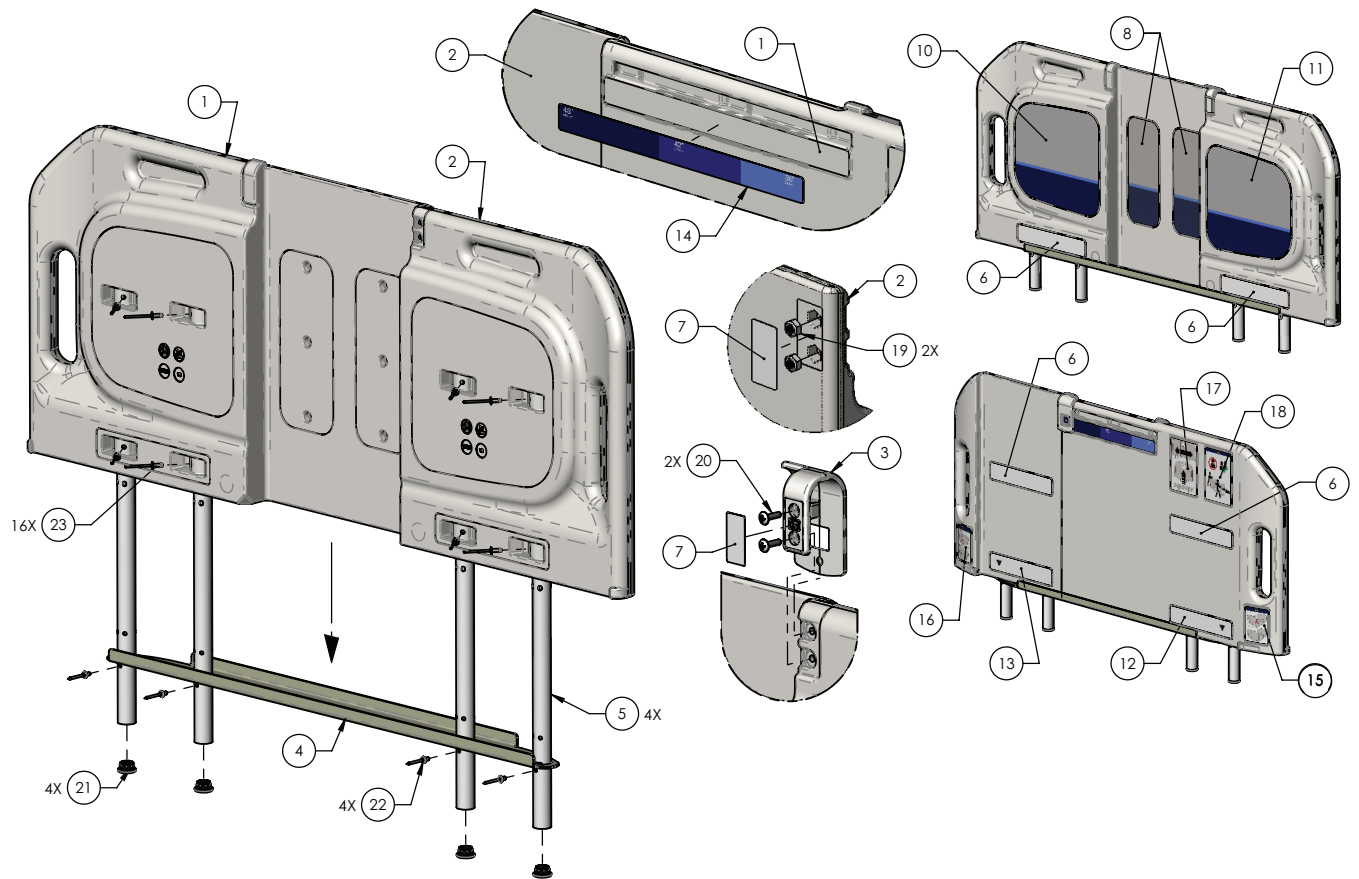
| Item | Number | Name | Quantity |
|------|--------------|--------------------------------------|----------|
| 1 | 5900650002 | Footboard panel | 1 |
| 2 | 5900600014 | Front plate bezel | 1 |
| 3 | 5900600015 | Back cover bezel | 1 |
| 4 | 5900600016 | Integrated hanger bracket, footboard | 1 |
| 5 | 5900600081 | Insert, watchdog light blocker | 1 |
| 6 | 5900400032 | iBed light board | 1 |
| 7 | 5900470017 | Keypad | 1 |
| 8 | 5900540254P | Post, footboard | 2 |
| 9 | 5900690017 | Overlay, blank | 4 |
| 10 | 5900690024 | Overlay, hanger | 2 |
| 11 | 5900690060 | Overlay, iBed light | 1 |
| 12 | 5900690080 | Label, lock/unlock | 1 |
| 13 | 5900430138 | Harness, watchdog light | 1 |
| 14 | 5900430170 | Harness, footboard | 1 |
| 15 | 5900340117 | Pan head screw | 1 |
| 16 | 5900370080 | Plug, tube | 2 |
| 17 | 5900340071 | Pan head screw | 8 |
| 18 | 5900340115 | Pan head screw | 9 |
| 19 | 5900340087 | Pan head screw | 2 |
| 20 | 5900370102 | Blind rivet | 2 |
| 21 | 0025-191-000 | Dome rivet | 2 |

| Item | Number | Name | Quantity |
|-------------|---------------|--------------------|-----------------|
| 22 | 0025-050-000 | Pop rivet | 2 |
| 23 | 5900310019 | Nut | 2 |
| 24 | 0016-007-000 | Nylock hex nut | 1 |
| 25 | 0011-302-000 | Washer | 9 |
| 26 | 5900430171 | Harness, footboard | 1 |

Expandable headboard assembly - 5900200026

Rev D (Reference only)





| Item | Number | Name | Quantity |
|------|-------------|---|----------|
| 1 | 5900650003 | Panel, expandable headboard, patient right, large | 1 |
| 2 | 5900650004 | Panel, expandable headboard, patient left, small | 1 |
| 3 | 5900600083 | Clip, expandable headboard keeper | 1 |
| 4 | 5900520094 | Bracket, expandable headboard support | 1 |
| 5 | 5900540253P | Post, expandable headboard plated | 4 |
| 6 | 5900690008 | Overlay, post pocket, expandable headboard | 4 |
| 7 | 5900690015 | Overlay, expandable headboard, clip | 2 |
| 8 | 5900690061 | Overlay, expandable headboard, inboard | 1 |
| 10 | 5900690063 | Overlay, expandable headboard, inboard, patient right | 1 |
| 11 | 5900690064 | Overlay, expandable headboard, inboard, patient left | 1 |
| 12 | 5900690083 | Overlay, locator expandable headboard post, patient right | 1 |
| 13 | 5900690084 | Overlay, locator expandable headboard post, patient left | 1 |
| 14 | 5900690072 | Label, indicator headboard width | 1 |
| 15 | 5900690077 | Label, warning expandable headboard width, patient right | 1 |
| 16 | 5900690078 | Label, warning expandable headboard width, patient left | 1 |

| Item | Number | Name | Quantity |
|------|--------------|---|----------|
| 17 | 5900690085 | Label, headboard removal/expansion | 1 |
| 18 | 5900690094 | Label, transport warning | 1 |
| 19 | 5900310017 | Nut, thin hex nylock #8-32 UNC zinc GR2 | 2 |
| 20 | 5900340108 | Screw, truss PH #8-UNC x 0.625 | 2 |
| 21 | 5900370080 | Plug, tube finishing Ø1.0 OD x Ø0.74-Ø0.83 ID blk | 4 |
| 22 | 5900370102 | Rivet, 3/16 x 5/16" LG blind alum | 4 |
| 23 | 0025-050-000 | Rivet, Ø3/16 x 0.375 pop rvt SD66BS | 16 |

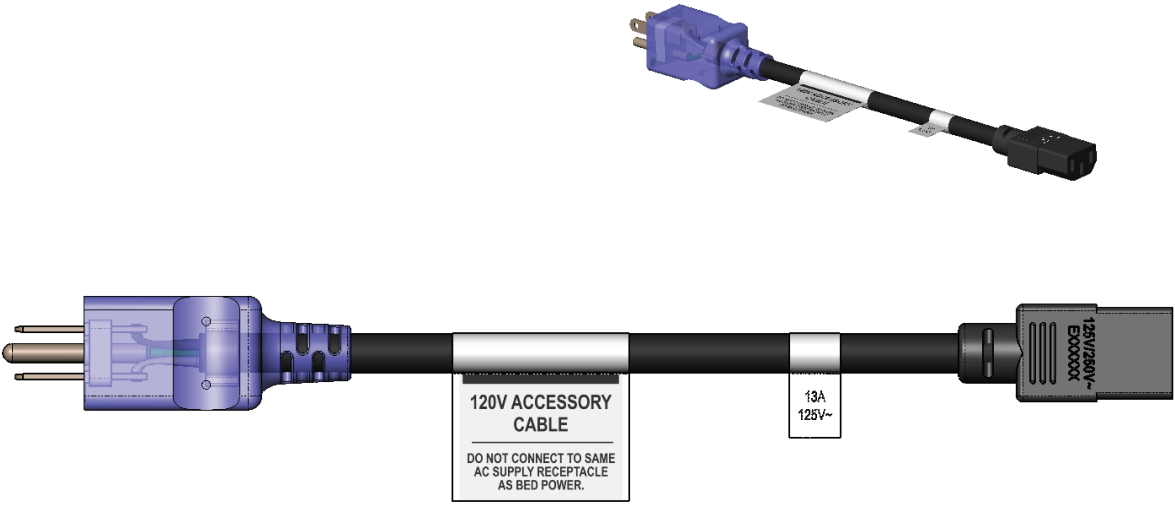
Power supply cord - 0039-254-000

Rev F (Reference only)



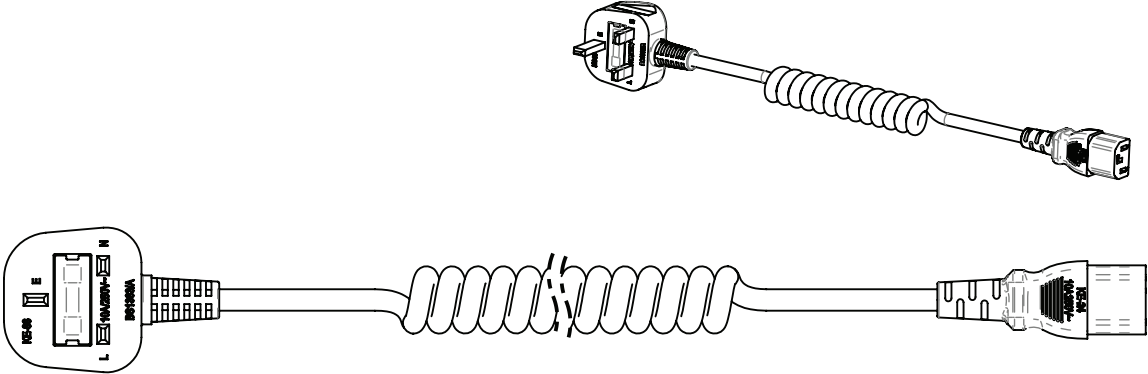
Accessory cord, type B 120V - 5900430166

Rev A (Reference only)



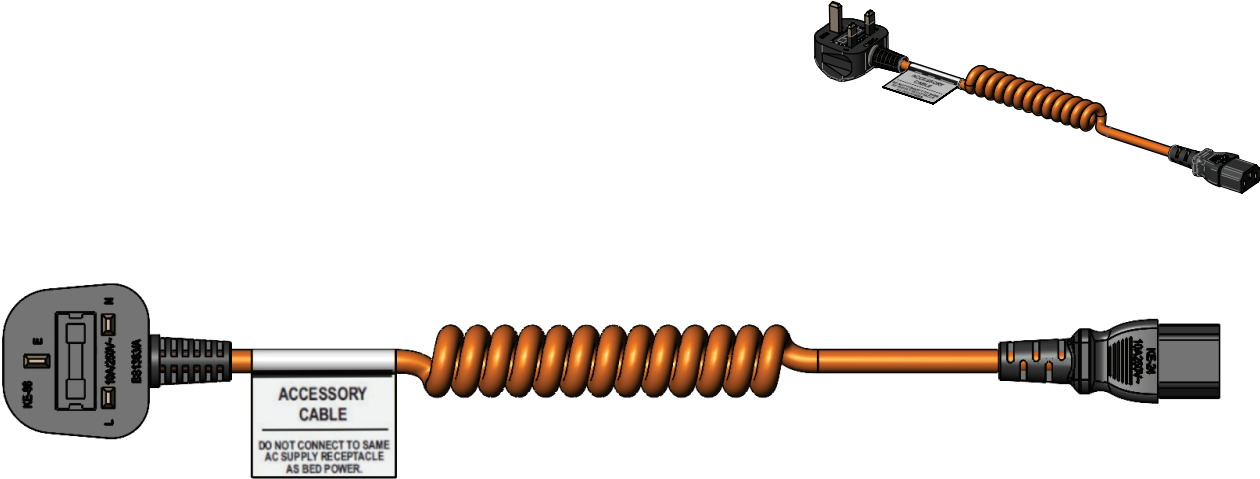
Power cord, type G 230V UK/IRE - 5900430165

Rev A (Reference only)



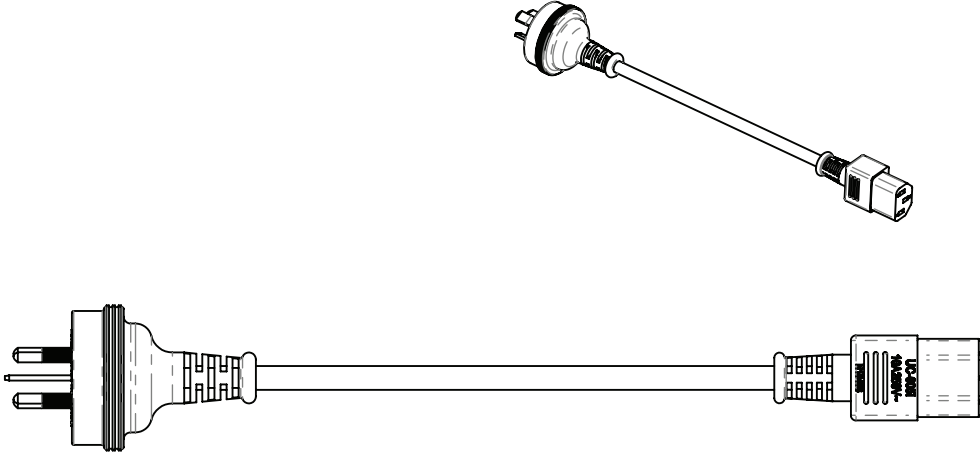
Accessory cord, type G 230V UK/IRE - 5900430168

Rev B (Reference only)



Power cord, type I 230V AS/NZS - 5900430164

Rev A (Reference only)



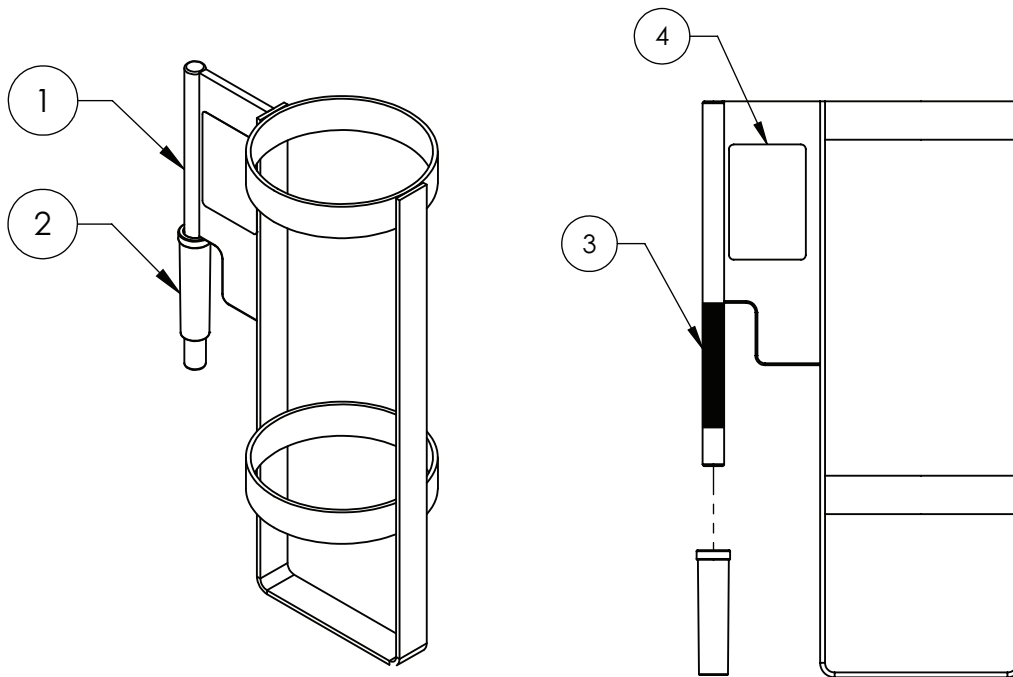
Accessory cord, type I 230V AS/NZS - 5900430167

Rev A (Reference only)



Upright bottle holder assembly - 5900200142

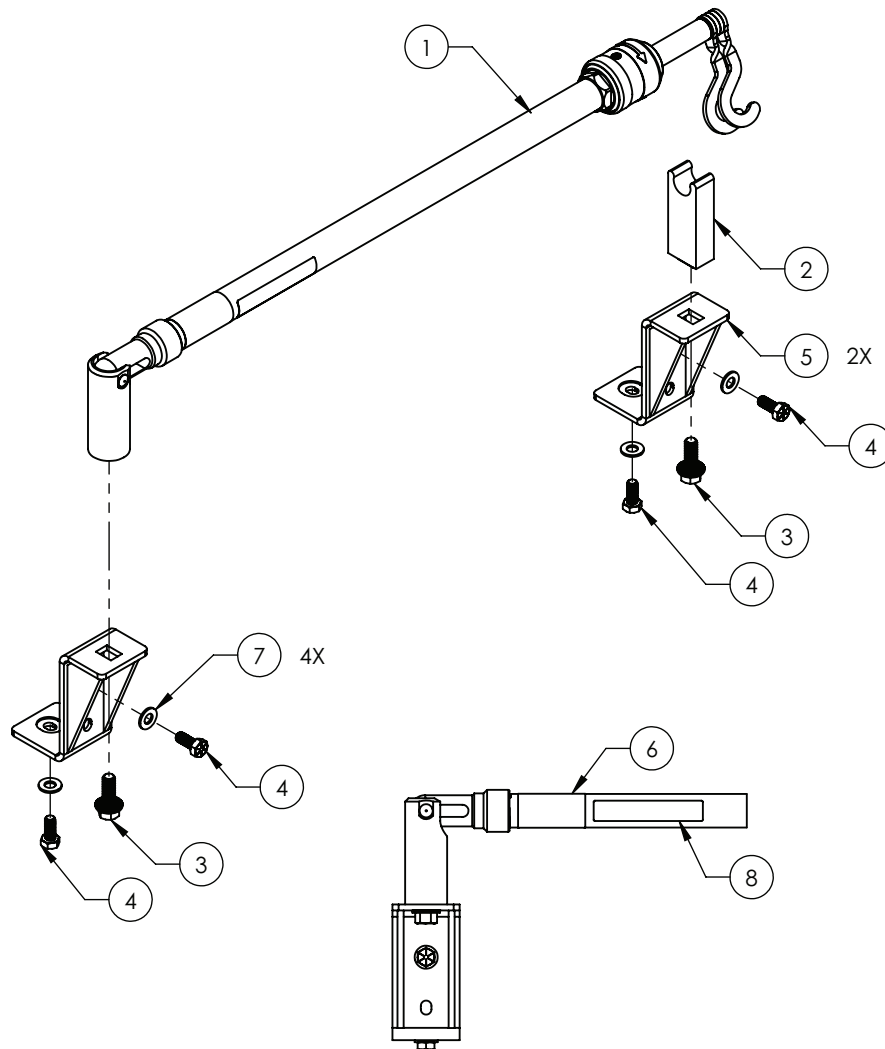
Rev D (Reference only)



| Item | Number | Name | Quantity |
|------|----------------|--|----------|
| 1 | 5900240117 | Weldment, upright bottle holder | 1 |
| 2 | 5900500141 | Adaptor, upright bottle holder | 1 |
| 3 | Reference only | ASI RP 2400 adhesive | - |
| 4 | 5900180082 | Upright bottle holder assembly specification label | 1 |

IV pole assembly - 5900200144

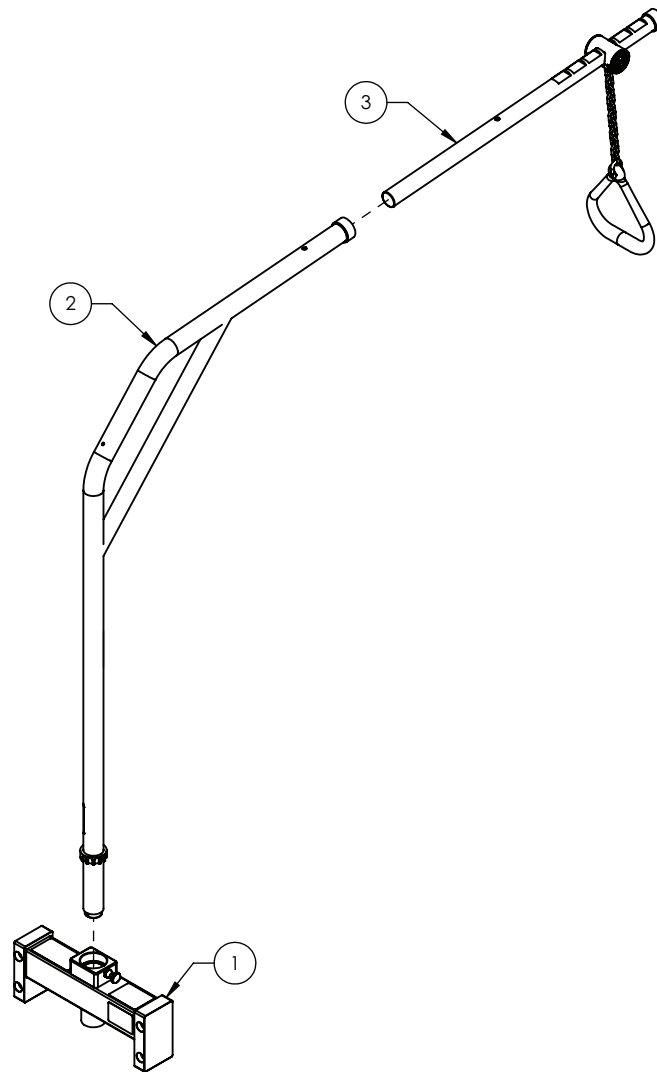
Rev G (Reference only)



| Item | Number | Name | Quantity |
|------|--------------|--------------------------|----------|
| 1 | 5900200143 | 2 stage IV pole assembly | 1 |
| 2 | 5900500143 | IV pole rest block | 1 |
| 3 | 5900340100 | Hex screw | 2 |
| 4 | 5900340116 | Hex head screw | 4 |
| 5 | 5900240118 | IV pole weldment bracket | 2 |
| 6 | 5900180084 | Label, specification | 1 |
| 7 | 0011-003-000 | Washer | 4 |
| 8 | 108900350901 | Label, EAR | 1 |

Patient helper assembly - 5900200145

Rev E (Reference only)



| Item | Number | Name | Quantity |
|------|------------|--|----------|
| 1 | 5900200171 | Assembly, mounting bracket, patient helper | 1 |
| 2 | 5900200170 | Assembly, lifting pole, patient helper | 1 |
| 3 | 5900200156 | Trapeze hanger, patient helper | 1 |

EMC information

WARNING

- Portable RF communications equipment, including peripherals such as antenna cables and external antennas, should be no closer than 12 inches (30 cm) to any part of MV3, including cables specified by the manufacturer.
- Avoid stacking or placing equipment adjacent with other equipment to prevent improper operation of the products. If such use is necessary, carefully observe stacked or adjacent equipment to make sure that they are operating properly.
- The use of accessories, transducers, and cables, other than those specified or provided by the manufacturer, could result in increased electromagnetic emissions or decreased electromagnetic immunity and result in improper operation.

The 5900 MV3 Bariatric bed was evaluated using the following cables:

| Cable | Length (m) |
|----------------------|------------|
| AC mains input cable | 2.5 |
| AC aux input cable | 2.5 |
| AC aux output cable | 1.8 |
| Nurse call (DB-37) | 2.4 |
| Nurse call (1/4 in.) | 2.4 |

Guidance and manufacturer's declaration - electromagnetic emissions

The 5900 MV3 Bariatric bed is intended for use in the electromagnetic environment specified below. The customer or the user of the 5900 MV3 Bariatric bed should assure that it is used in such an environment.

| Emissions test | Compliance | Electromagnetic environment |
|--|------------|--|
| RF Emissions CISPR 11 | Group 1 | Note - The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment. |
| RF Emissions CISPR 11 | Class A | |
| Harmonic Emissions IEC 61000-3-2 | Class A | |
| Voltage Fluctuations Flicker Emissions IEC 61000-3-3 | Complies | |

Guidance and manufacturer's declaration - electromagnetic immunity


The 5900 MV3 Bariatric bed is suitable for use in a professional healthcare facility environment and not in environments exceeding immunity test conditions that the product was evaluated to, such as near high frequency (HF) surgical equipment and inside of the radio frequency (RF) shielded room of magnetic resonance imaging (MRI) equipment. The customer or the user of the 5900 MV3 Bariatric bed should assure that it is used in such an environment and that the electromagnetic environment guidance listed below is followed.

| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment-guidance |
|---------------|----------------------|------------------|--------------------------------------|
| | | | |

Guidance and manufacturer's declaration - electromagnetic immunity

| | | | |
|--|---|---|--|
| Electrostatic Discharge (ESD) IEC 61000-4-2 | ± 8 kV contact ± 15 kV air | ± 8 kV contact ± 15 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 | ± 0.5 kV, ± 1 kV lines to lines ± 0.5 kV, ± 1 kV, ± 2 kV lines to earth | ± 0.5 kV, ± 1 kV lines to lines ± 0.5 kV, ± 1 kV, ± 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 | 0% U_T for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% U_T for 1 cycle 70% U_T (30% dip in U_T) for 25/30 cycles 0% U_T for 250/300 cycles | 0% U_T for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% U_T for 1 cycle 70% U_T (30% dip in U_T) for 25/30 cycles 0% U_T for 250/300 cycles | Main power quality should be that of a typical commercial or hospital environment. If the user of the 5900 MV3 Bariatric bed requires continued operation during power main interruptions, it is recommended that the device be powered from an uninterrupted power supply or a battery. |
| Power frequency (50/60 Hz) magnetic field IEC 61000-4-8 | 30 A/m | 30 A/m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |

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 2.7 GHz</p> | <p>3 Vrms</p> <p>3 V/m</p> | <p>Portable and mobile RF communications equipment should follow the guidance in the table titled “Recommended separation distances between portable and mobile RF communication equipment and the 5900 MV3 Bariatric bed.” If the mobile service is not listed in the table, the recommended separation distance should be calculated from the equation appropriate for the frequency of the transmitter.</p> <p>Recommended separation distance</p> $D=(2) (\sqrt{P})$ <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>  |
| <p>Proximity magnetic fields IEC 61000-4-39</p> | <p>65 A/m 134.2 kHz</p> | <p>65 A/m</p> | <p>RFID readers and similar generators of magnetic fields should not be operated closer than 50 mm from the electronics or cables of MV3.</p> |
| <p>7.5 A/m 13.56 MHz</p> | <p>7.5 A/m</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> <p>Note - The ISM (Industrial, Scientific, and Medical) bands between 0.15 MHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz.</p> | | | |

^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 5900 MV3 Bariatric bed is used exceeds the applicable RF compliance level above, the 5900 MV3 Bariatric bed should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the 5900 MV3 Bariatric bed.

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

Recommended separation distances between portable and mobile RF communication equipment and the 5900 MV3 Bariatric bed

The 5900 MV3 Bariatric bed is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the 5900 MV3 Bariatric bed can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the 5900 MV3 Bariatric bed, including cables, as recommended below, according to the maximum output power of the communications equipment.

| Band (MHz) | Service | Maximum power (W) | Minimum separation distance (m) |
|-------------------|--|------------------------------|--|
| 380-390 | TETRA 400 | 1.8 | 0.3 |
| 430-470 | GMRS 460; FRS 460 | 2.0 | 0.3 |
| 704-787 | LTE Band 13, 17 | 0.2 | 0.3 |
| 800-960 | GSM 800/900; TETRA 800; iDEN 820; CDMA 850; LTE Band 5 | 2.0 | 0.3 |
| 1,700-1,990 | GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS | 2.0 | 0.3 |
| 2,400-2,570 | Bluetooth; WLAN; 802.11 b/g/n; RFID 2450; LTE Band 7 | 2.0 | 0.3 |
| 5,100-5,800 | WLAN 802.11 a/n | 0.2 | 0.3 |

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.

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

Recycling passport

0039-254-000

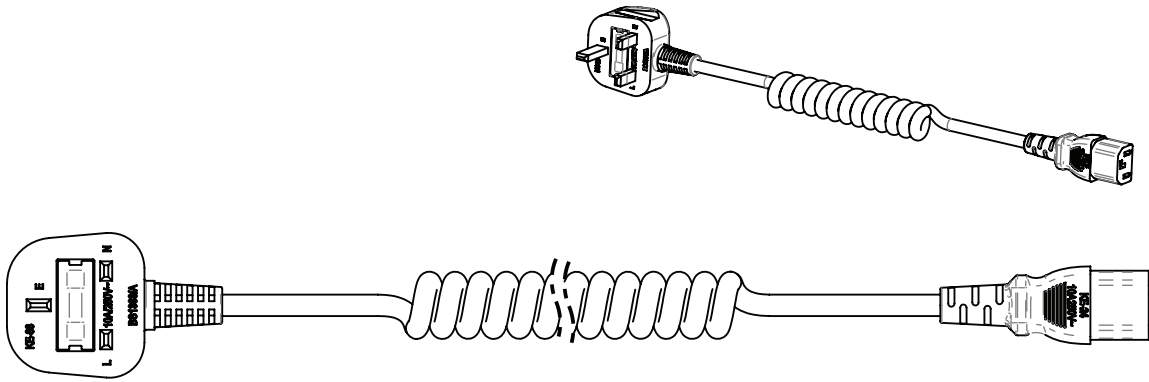
Rev F



| | | |
|--|--------------|---|
| | 0039-254-000 | 1 |
|--|--------------|---|

5900430165

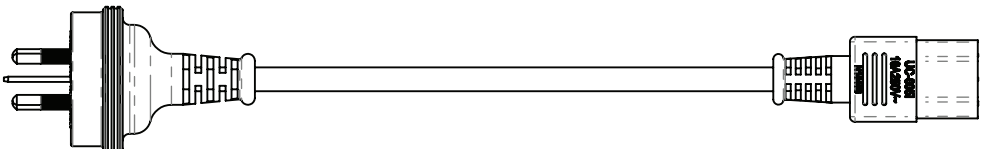
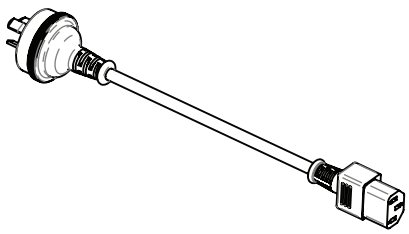
Rev A



| | | |
|--|------------|---|
| | 5900430165 | 1 |
|--|------------|---|

5900430164

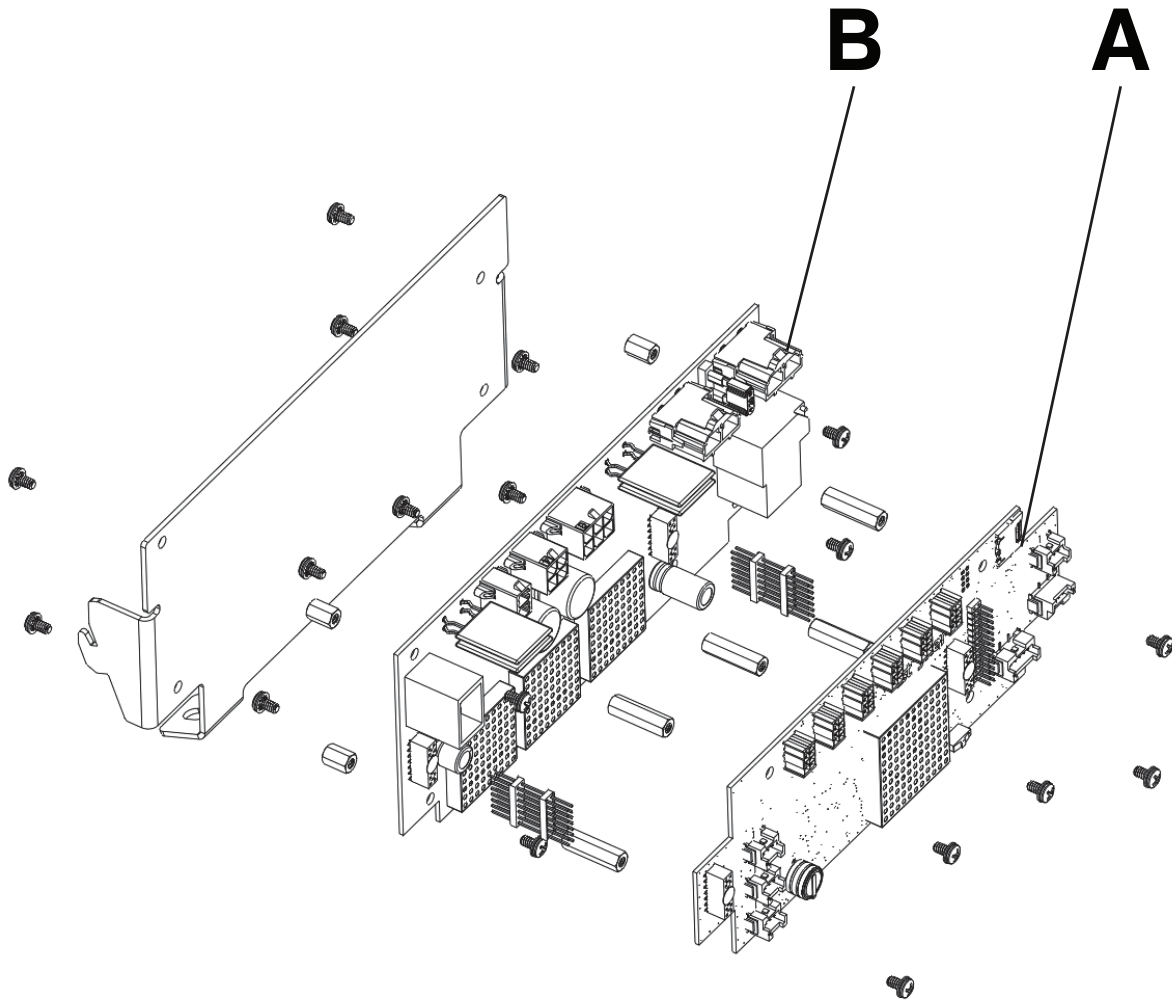
Rev A



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|--|------------|---|

5900280051

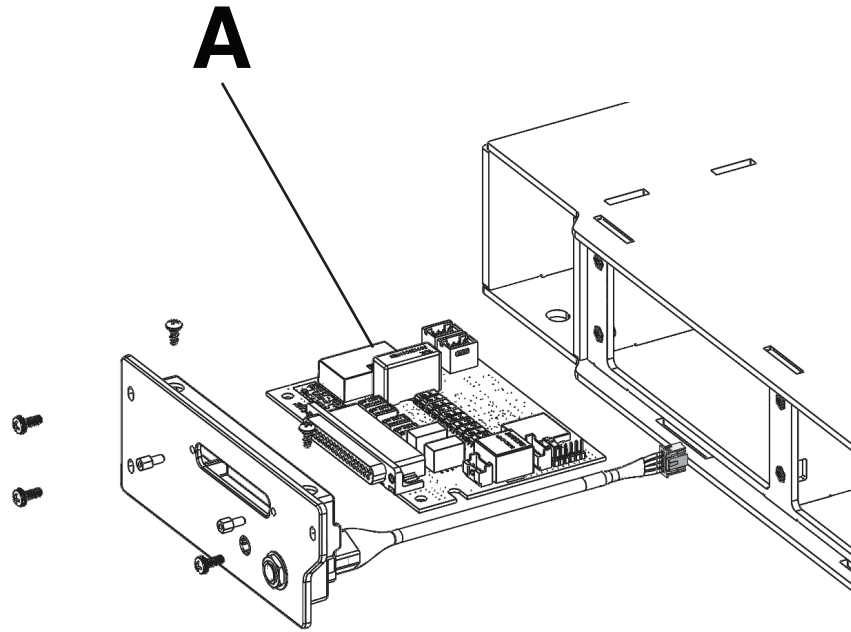
Rev C



| | | |
|---|------------|---|
| A | 5900400037 | 1 |
| B | 5900400040 | 1 |

5900280033

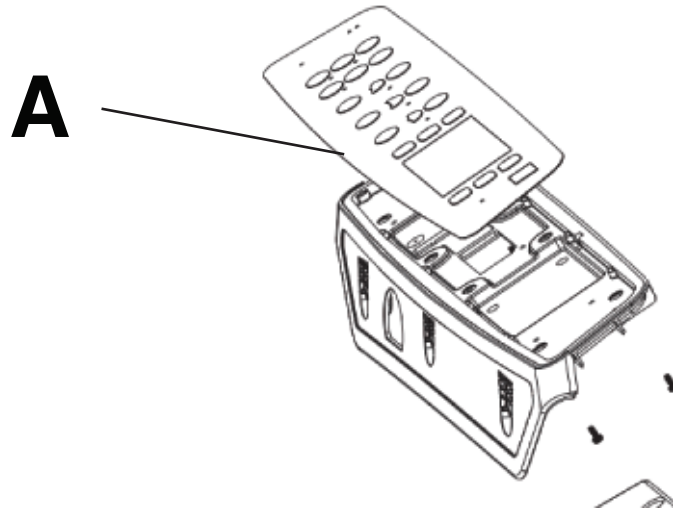
Rev A



| | | |
|---|------------|---|
| A | 5900400038 | 1 |
|---|------------|---|

5900200025

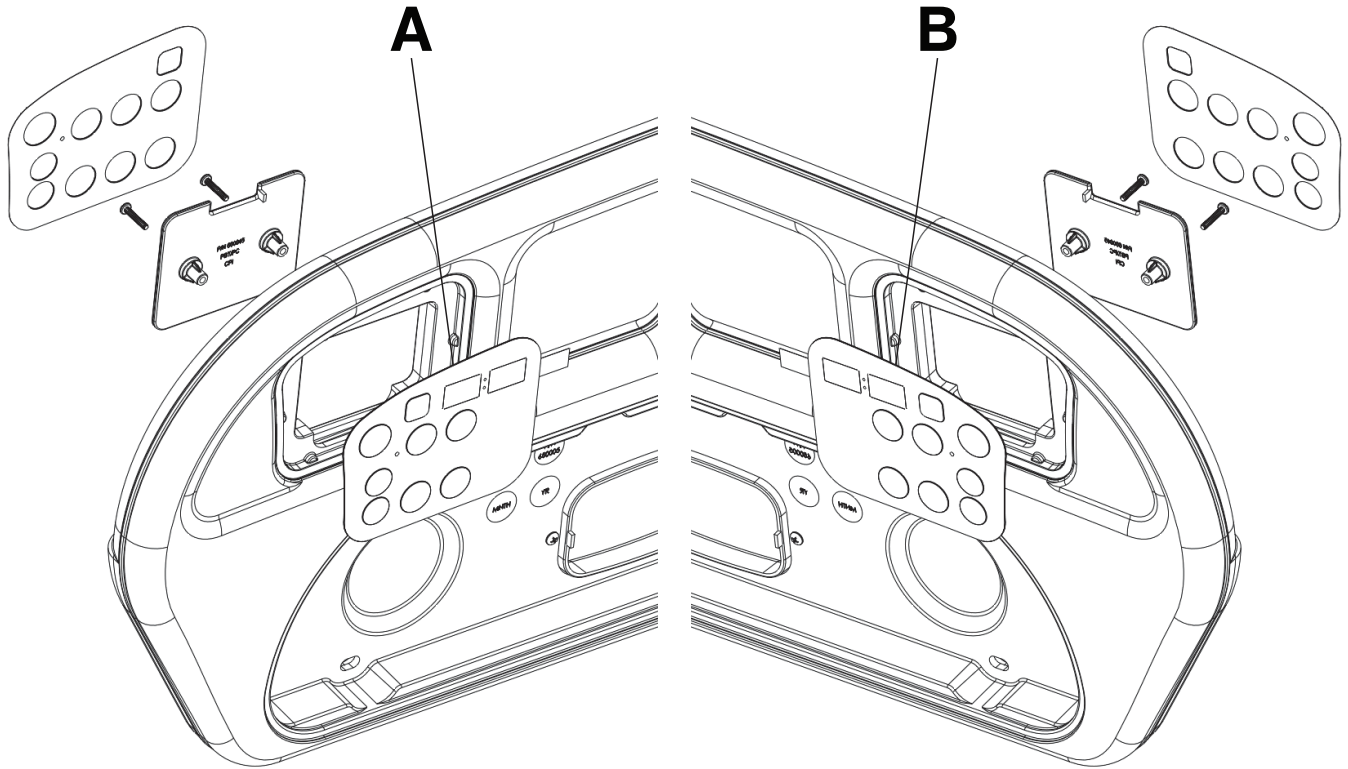
Rev C



| | | |
|---|------------|---|
| A | 5900470017 | 1 |
|---|------------|---|

5900200130/5900200131

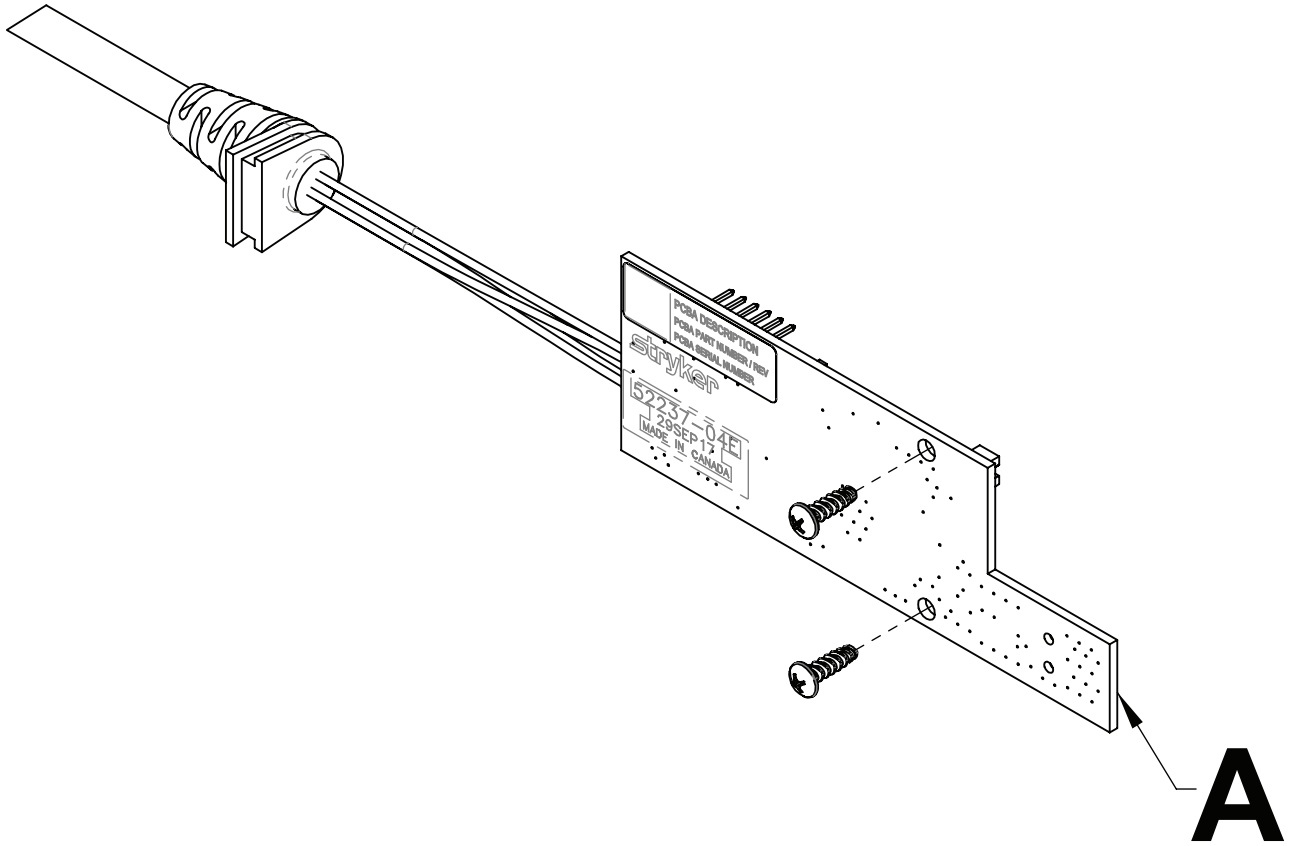
Rev E/Rev E



| | | |
|---|------------|---|
| A | 5900470018 | 1 |
| B | 5900470019 | 1 |

5900400041

Rev AA



| Item | Recyclable part number | Material code | Important information | Quantity |
|------|--|------------------------------------|-----------------------|----------|
| A | 590040004101, 590040004102, 590040004103 | PCBA, IOM deck position monitor | Lead | 1 |

stryker

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