

Power-PRO XT Cot

Maintenance Manual

REF 6506



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Warning/Caution/Note Definition

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

WARNING

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

CAUTION

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

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

Summary of safety precautions

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

WARNING

- Always keep your hands clear of the red safety bar pivots when you load, unload, or change the height position of the cot.
 - Always use both hands when you transport the cot.
 - Always place the cot in the lowest height position when on a plane steeper than five degrees.
 - Always relieve pressure before you disconnect hydraulic or other lines. Escaping fluid under pressure can penetrate the skin and cause serious injury. Tighten all connections before you apply pressure. If an accident occurs, see a doctor immediately.
 - Do not use bare hands to check for hydraulic leaks.
-

CAUTION

- Always use authorized parts to avoid the risk of product damage.
 - Always check hoses and lines regularly to avoid damage to the cot. Check and tighten loose connections. Hydraulic lines, hoses, and connections can fail or loosen due to physical damage, kinks, age, and environment exposure.
 - Do not tip the cot onto its load wheels and actuate the product as this will allow air to enter the hydraulic system.
 - Do not lubricate the bearings in the X-frame as it will degrade the performance of the cot and may void its warranty.
 - The cot retaining post is shipped pre-configured for an X-frame cot. If the fastener has been configured for an H-frame cot, you must adjust the retaining post to accommodate the fastener.
 - 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 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 reorienting the equipment.
 - Portable RF communications equipment, including peripherals such as antenna cables and external antennas, should be used no closer than 12 inches (30 cm) to any part of **Power-PRO** and **SMRT** charger, including cables specified by the manufacturer.
 - Avoid stacking or placing other equipment adjacent to **Power-PRO** and **SMRT** charger to prevent improper operation of the products. If such use is necessary, carefully observe **Power-PRO** and **SMRT** charger and the other equipment to make sure that they are operating properly.
-

Pinch points

WARNING - Always keep your hands clear of the red safety bar pivots when you load, unload, or change the height position of the cot.

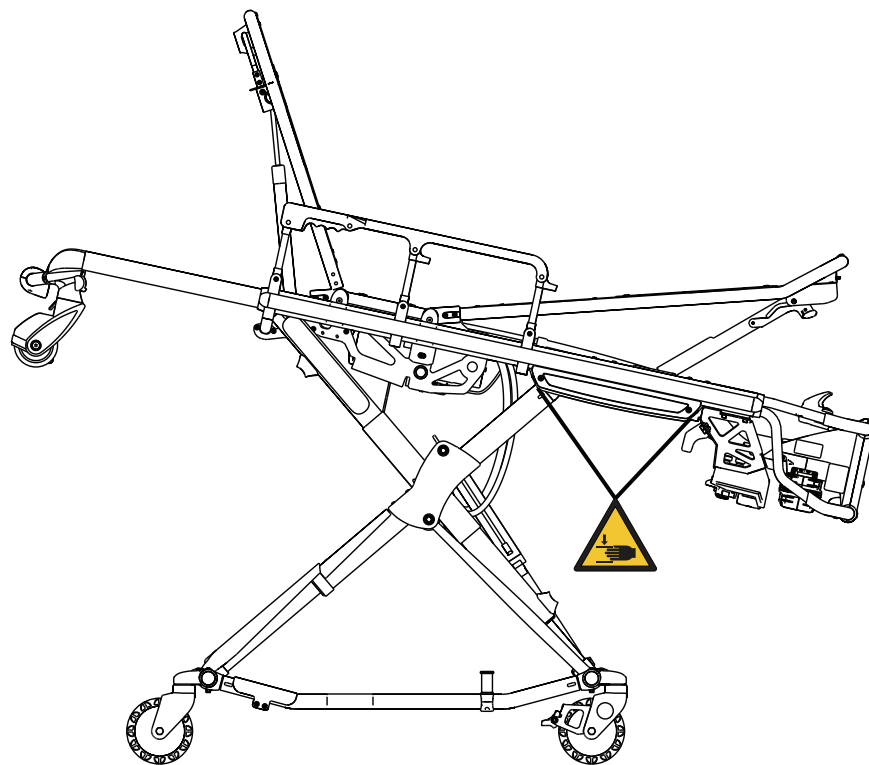


Figure 1 – Pinch points

Mechanical stability

WARNING

- Always use both hands when you transport the cot.
 - Always place the cot in the lowest height position when on a plane steeper than five degrees.
-

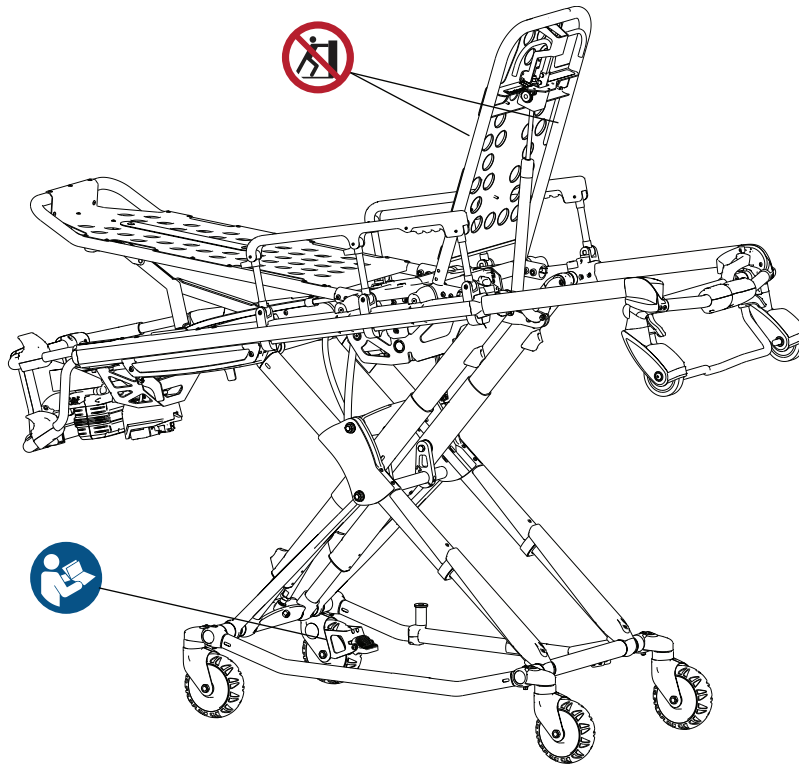


Figure 2 – Mechanical stability

Note - Do not use the defibrillator option and the foot end oxygen bottle holder option at the same time.

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

Power-PRO has a seven year expected service life under normal use conditions and with appropriate periodic maintenance.

The **SMRT** charger has a seven year expected service life under normal use conditions and with appropriate periodic maintenance.

The **SMRT** Pak battery has a two 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 - Power-PRO

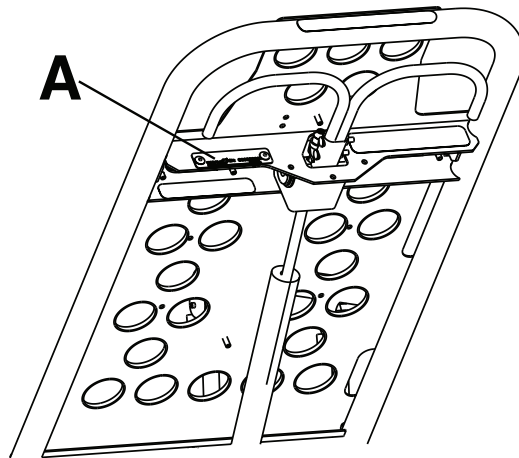


Figure 3 – Serial number location

Serial number location - SMRT

The serial number for the **SMRT** charger is located on the bottom of the unit. The lot number for the **SMRT** Pak is located on the top of the **SMRT** Pak above the red release button.

Preventive maintenance

WARNING

- Always relieve pressure before you disconnect hydraulic or other lines. Escaping fluid under pressure can penetrate the skin and cause serious injury. Tighten all connections before you apply pressure. If an accident occurs, see a doctor immediately.
 - Do not use bare hands to check for hydraulic leaks.
-

CAUTION

- Always use authorized parts to avoid the risk of product damage.
 - Always check hoses and lines regularly to avoid damage to the cot. Check and tighten loose connections. Hydraulic lines, hoses, and connections can fail or loosen due to physical damage, kinks, age, and environment exposure.
 - Do not tip the cot onto its load wheels and actuate the product as this will allow air to enter the hydraulic system.
-

Establish and follow a maintenance schedule and keep records of the maintenance activity. Remove product from service before you perform the preventive maintenance inspection. You may need to perform preventive maintenance checks more often based on your level of product usage. Service only by qualified personnel.

When using maintenance products, follow the directions of the manufacturer and reference all material safety data sheets (MSDS).

Lubrication

CAUTION - Do not lubricate the bearings in the X-frame as it will degrade the performance of the cot and may void its warranty.

The cot has been designed to operate without the need for lubrication.

Regular inspection and adjustments

The following schedule is a general guide to maintenance. Factors such as weather, terrain, geographical location, and individual usage will alter the required maintenance schedule. If you are unsure how to perform these checks, contact your Stryker service technician. If you are in doubt as to what intervals to follow to maintain your product, consult your Stryker service technician. Check each routine and replace worn parts if necessary.

Every month or two hours

Inspect these items every month or two hours of motor run time, whichever comes first.

Item	Inspect
Settings	In-fastener shutoff configuration
Cylinder	Extend cylinder rod. Wipe the cylinder rod with a soft cloth and household cleaner.
Cables and wires	No hanging wires from routings or connections
Manual backup release handle	Manual backup release handle functions
Litter	Frame and litter
Base	Frame and base
Wheels	All wheels are secure, roll, and swivel
Head section	Safety bar operates. Pull toward the head section to make sure that the safety bar swings and rotates freely and pulls back to the home position.

Item	Inspect
Restraint	Restraints function with no excessive wear (such as a bent or broken receiver or latch plate or torn or frayed webbing)
Battery	SMRT Pak housing and terminal area for cracks or damage before first and every use
Charger	SMRT charger and parts for cuts in the cord, bent pins or contacts, or cracks in the housing before first and every use

Every three months or six hours

Inspect these items every three months or six hours of motor run time, whichever comes first.

Item	Inspect
Cylinder	All fasteners are secure
	No hydraulic fluid (red) leaks
	Loose fittings - tighten, if necessary
Hydraulics	Motor mount fasteners are secure
	No hydraulic fluid leaks
	No leaks from reservoir
Cables and wires	No damage or pinching of wiring harness, cable, or lines
	No damaged connectors
Manual backup release handle	Base extends and retracts when you pull the manual backup release handle
	Cot does not lower when you pull the manual backup release handle with 100 lb (45 kg) or more on the cot
Litter	All fasteners are secure
	Backrest cylinder operates
	Adjust pneumatic cylinder for full range of motion, if required
Base	All fasteners are secure
X-frame	X-frame expands and retracts
Kickstand option	Retracts fully to the transport position
	Bolts are tightened
Head section	All fasteners are secure
	Head section extends and locks
Accessories and parts	All accessories and parts operate (such as IV pole, head extension and pillow, oxygen bottle holder, and restraint extender)

Every six months or 12 hours

Inspect these items every six months or 12 hours of motor run time, whichever comes first.

Item	Inspect
Hydraulics	Hoses and fittings for damage or wear
	Hydraulic velocity fuse - place a weight of approximately 50 lb (23 kg) on the cot. Raise the cot, lift the cot with two operators, pull the manual backup release handle, rapidly set the cot down, and make sure that the cot does not drop.
Electronic controls	Extend cot to raised position, measure and check load height
	Jog function operates
	High speed retract works
Switches	No damage or wear to either switch
	Both switches operate
Litter	No bent, broken, or damaged components
	No damage or tears on cot grips
	Siderails operate and latch
	Foot rest operates
Mattress	No cracks or tears
Base	No bent, broken, or damaged components
	Cot retaining post is secure. If not, replace the screw.
	No excessive damage to X-frame guards
Wheels	Free of debris
Head section	No bent, broken, or damaged components
	Grip bar has no excessive damage or tears
	Load wheels are secure and roll
Kickstand (option)	Lubricate the kickstand spring and internal spring housing using Tri-Flow® lubrication

Every 12 months or 24 hours

Inspect these items every 12 months or 24 hours of motor run time, whichever comes first.

Item	Inspect
Settings	Cot and fastener fit and function
	Safety bar connects to the vehicle safety hook
Cylinder	Cylinder is adjusted - lock nut is tight and the cot stops moving when it hits the dead stops
Manual backup release handle	Returns to the stowed position

Item	Inspect
Litter	All welds are intact, not cracked, or broken
	Warning labels present, legible
Base	All welds are intact, not cracked, or broken
Wheels	Check and adjust wheel locks
Retractable head section oxygen bottle holder (option)	Straps and clips for wear
Defibrillator platform (option)	Straps not frayed or torn
	Latch hooks are intact and secure

Foot end fastener part replacement schedule

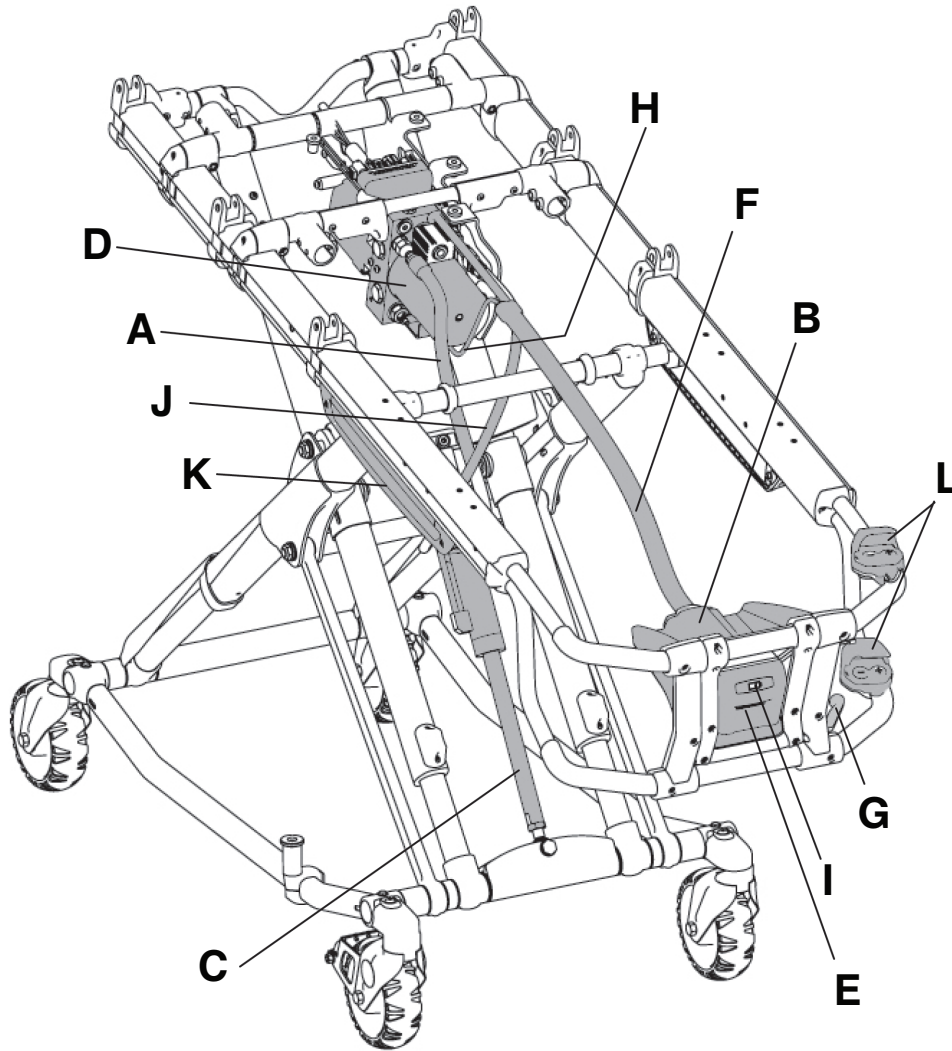
For **Performance-LOAD** compatible cots, you must replace the foot end fastener parts every 18,078 calls. This is to make sure that the **Performance-LOAD** remains functional. Follow this call volume time table to remain compliant with this requirement.

Calls per day	Months
≤ 7	Not applicable
8	77
9	67
10	59

Troubleshooting

Electronics and hydraulics locator

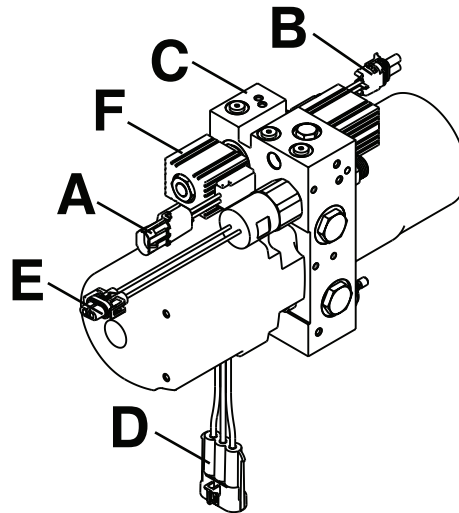
Note - Some components have been removed for clarity.



A	Cap-side hydraulic hose
B	Electronic housing (control board inside)
C	Hydraulic cylinder
D	Hydraulic manifold assembly
E	LCD screen
F	Main cable

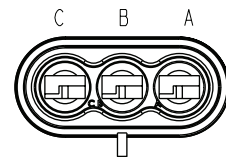
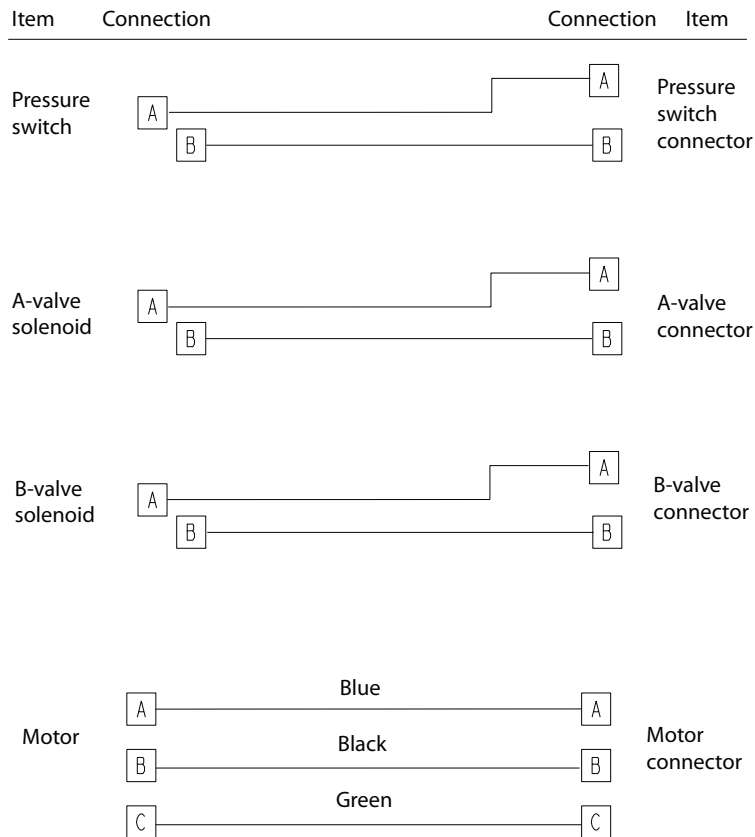
G	Manual backup release handle
H	Manual release cable
I	Power indicator LED
J	Rod-side hydraulic hose
K	Sensor housing (hall effects sensor inside)
L	Switches, height adjustment

Hydraulic assembly



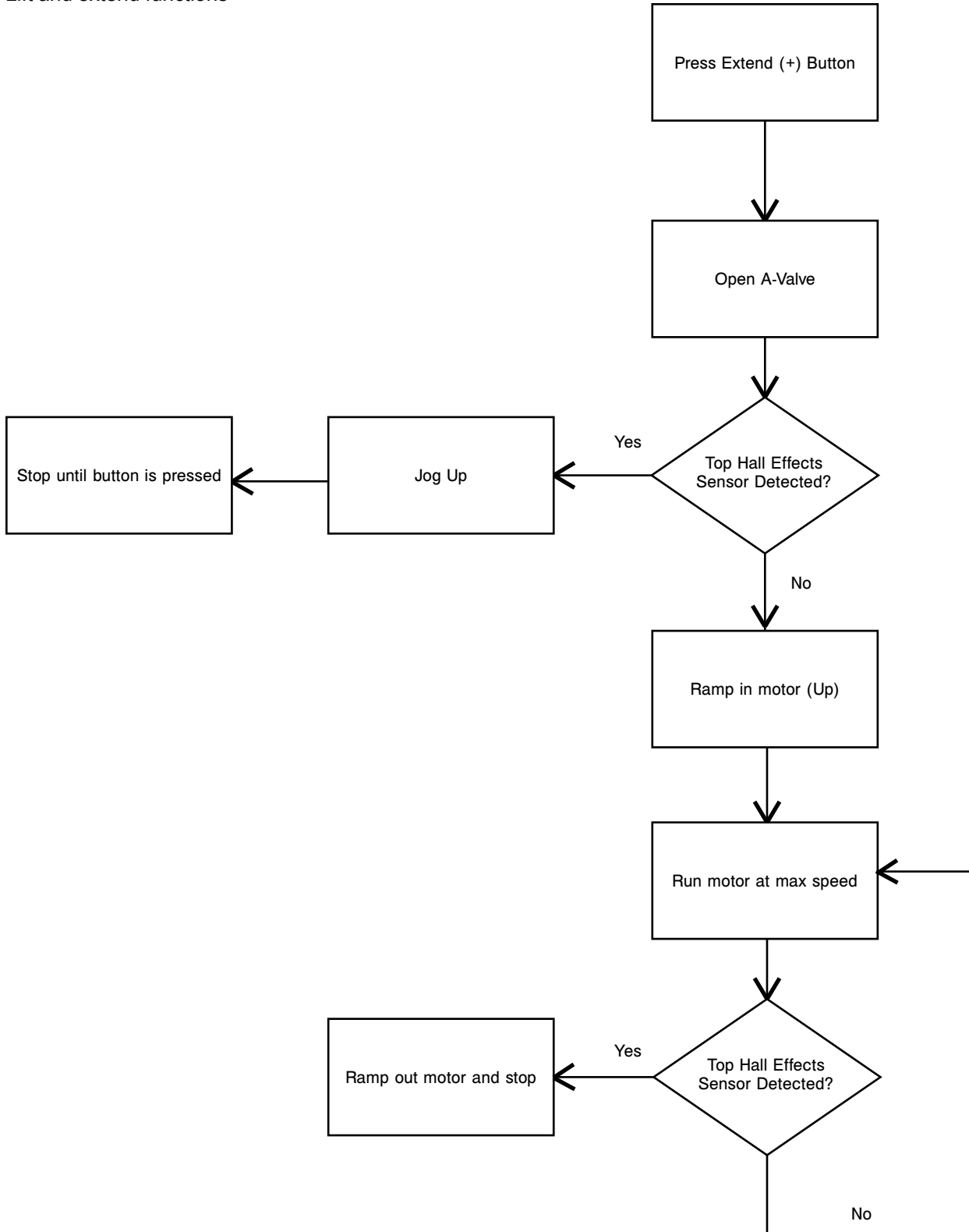
A	A-valve connector	D	Motor connector
B	B-valve connector	E	Pressure switch
C	Hydraulic manifold	F	Pressure switch connector

Hydraulic assembly wiring schematics



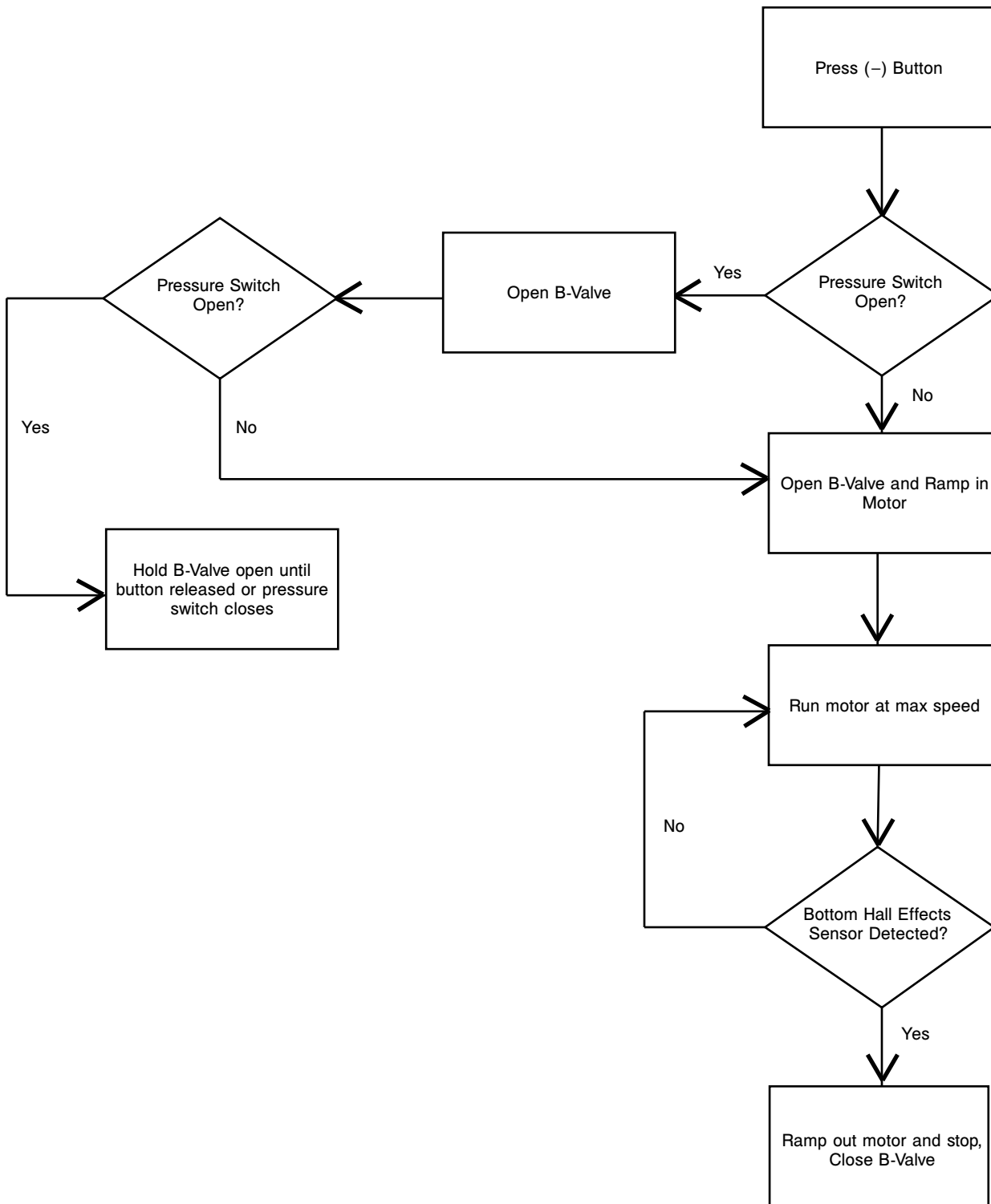
Electrical system block diagram – unload

Lift and extend functions



Electrical system block diagram – load

Lower and retract functions



Litter drifts (without patient weight)

1. Check the manual release cable adjustment.
2. Change the locking manual valve.
3. Change "B" valve.

Base drifts (without patient weight)

1. Check the manual release cable adjustment.
2. Change non-locking manual valve.
3. Change "A" valve.

Litter does not lower in the powered mode

Check the power indicator LED.

1. If blinking constant RED, change the battery.
2. If blinking a patterned AMBER short, short, long flash:
 - a. Check for broken or disconnected wires.
 - b. Check for 24 VDC at connector (C) on the main cable by the motor while pressing the retract (-) button. If voltage is present, replace (in order) the solenoid and/or "B" valve. If voltage is not present, go to step c.
 - c. Check for 24 VDC on electronics assembly pins, 1 blue and 5 orange, on (F) while you press the retract (-) button. If voltage is not present, replace the electronics assembly. If voltage is present, replace the wire harness.
3. If the GREEN light turns on, but does not lower the litter, try the other switch. If the other switch works, replace the bad switch.

Litter does not extend in the powered mode - check motor

Check the motor.

1. If the motor runs, but does not raise the cot:
 - a. Check the manual release cable for too much tension.
 - b. Lightly tap the manual locking valve.
 - c. Replace the manual locking valve.
2. If the motor is stalled, replace the "A" valve.
3. If the light is GREEN, but the motor does not run:
 - a. Check for 24 VDC at connector (E) on the main cable. If voltage is present and the motor does not run, replace the hydraulic sub-assembly. If voltage is not present, go to step b.
 - b. Check for 24 VDC on electronics assembly connection (H) (-) lead on black (+) lead on green while you press the extend (+) button. If voltage is not present, replace the electronics assembly. If voltage is present, replace the main cable.

Litter does not extend in powered mode - check the power indicator LED

Check the power indicator LED.

1. If blinking constant RED, change the battery.
2. If blinking a patterned AMBER short, short, long flash:
 - a. Check for broken or disconnected wires.
 - b. Check for 24 VDC at connector (B) on the main cable by the motor while you press the extend (+) button. If voltage is present, replace (in order) the solenoid and/or "A" valve. If voltage is not present, go to step c.
 - c. Check for 24 VDC on the electronics assembly pins, 2 white and 6 red, on (F) while you press the extend (+) button. If voltage is not present, replace the electronics assembly. If voltage is present replace the wire harness.
3. If the GREEN light turns on, but does not lower, try the other switch. If the other switch works, replace the bad switch.

Base does not retract in the powered mode

Check the power indicator LED.

1. If blinking constant RED, change the battery.
2. If blinking a patterned AMBER short, short, long flash:
 - a. Check for broken or disconnected wires.
 - b. Check for 24 VDC at connector (B) on the main cable by the motor while you press the extend (+) button. If voltage is present, replace (in order) the solenoid and/or "A" valve. If voltage is not present, go to step c.
 - c. Check for 24 VDC on electronics assembly pins, 2 white and 6 red, on (F) while you press the extend (+) button. If voltage is not present, replace the electronics assembly. If voltage is present, replace the wire harness.

Base does not extend in the manual mode

1. Check manual cable adjustment.
2. Change the non-locking manual valve.

Base does not retract in the manual mode

1. Check manual release cable adjustment.
2. Change locking manual valve.

Litter does not retract in the manual mode (with patient weight)

1. Make sure that the weight is off of the casters before you lower the cot.
2. Check the manual cable adjustment.
3. Replace the locking manual valve.

Litter does not extend in the manual mode

1. Check the manual cable adjustment.
2. Change the non-locking manual valve.

High speed retract does not engage

1. Check that the weight is off of the casters.
2. Change the pressure switch.

LCD error codes - main micro

LCD display	Error description	Detection period
ERR 01	RAM diagnostic failure	Initialization
ERR 02	Program memory failure	Initialization

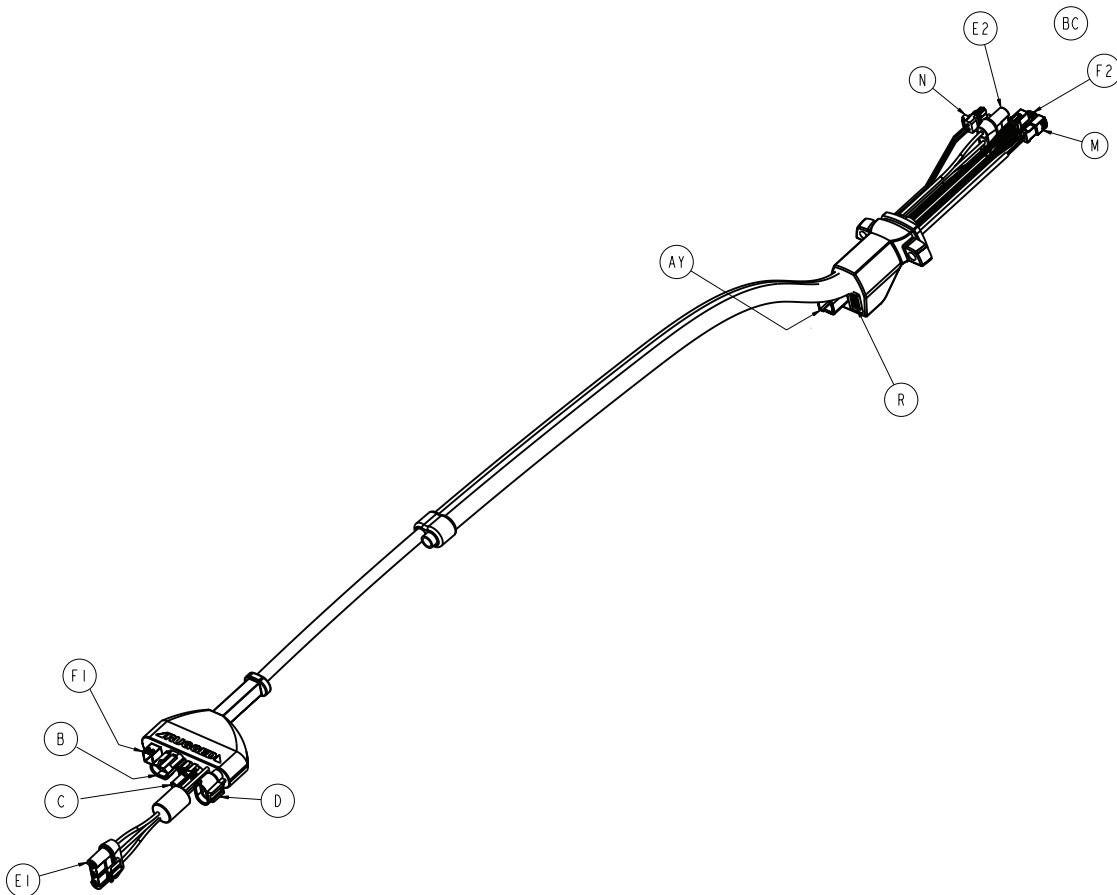
ERR 03	EE diagnostic failure	Initialization
ERR 04	EEPROM type and hardware type incompatible	Initialization
ERR 10	Valves diagnostic failure	Initialization
ERR 61	EEPROM rev and firmware rev incompatible	Initialization
ERR 21	Motor shorted	Initialization
ERR 22	Motor open	Initialization
ERR 23	High power gating relay shorted	Initialization
ERR 51	Motor drive FET shorted - Q15	Initialization
ERR 52	Motor drive FET shorted - Q11	Initialization
ERR 55	Motor drive FET shorted - Q16	Initialization
ERR 56	Motor drive FET shorted - Q12	Initialization
ERR 62	Main Micro and ASIC current limit mismatch	Initialization
ERR 80	Extend (+) or retract (-) button detected without key	Run Time
ERR 31	Electronics board over temp (280.22 ° F +/- 5%)	Run Time
ERR 81	Bad hall effect sensor combination	Run Time
ERR 93	Safety Micro non-responsive	Run Time

LCD error codes - safety micro

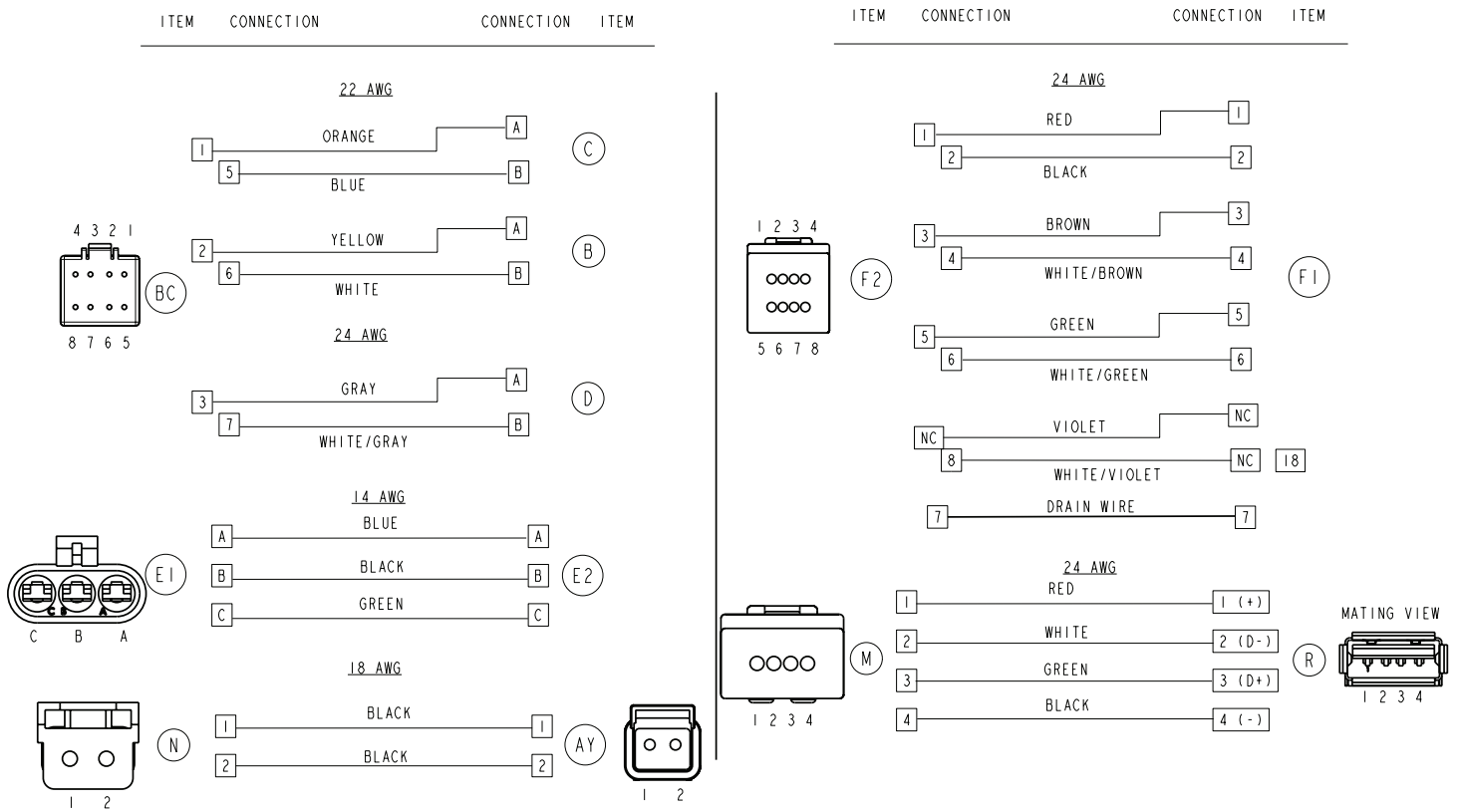
LCD display	Error description	Detection period
ERR 05	RAM diagnostic failure	Initialization
ERR 06	Program memory diagnostic failure	Initialization
ERR 08	EEPROM type and hardware type incompatible	Initialization

ERR 40	Data error	Run Time
ERR 41	Charging failed battery voltage	Run Time
ERR 42	Charging failed read battery	Run Time
ERR 43	Charging failed battery charging time or over voltage limit	Run Time
ERR 44	Charging failed charging current	Run Time
ERR 45	Charging failed delta temp	Run Time
ERR 63	EEPROM rev and firmware rev incompatible	Initialization
ERR 83	Extend (+) or retract (-) button detected without key	Run Time
ERR 90	ASIC driving without microprocessor instruction	Run Time

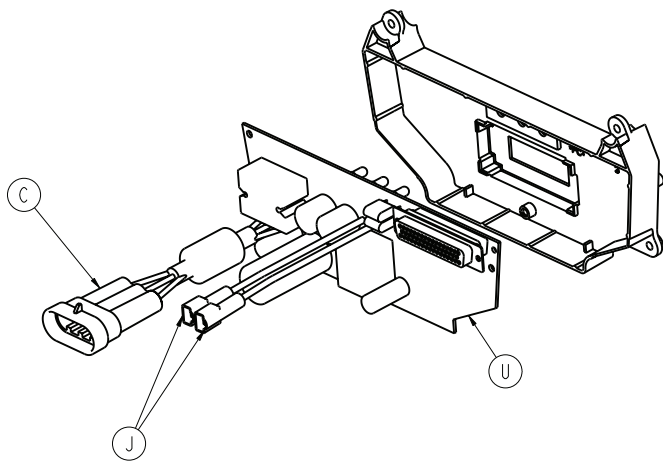
Main cable assembly



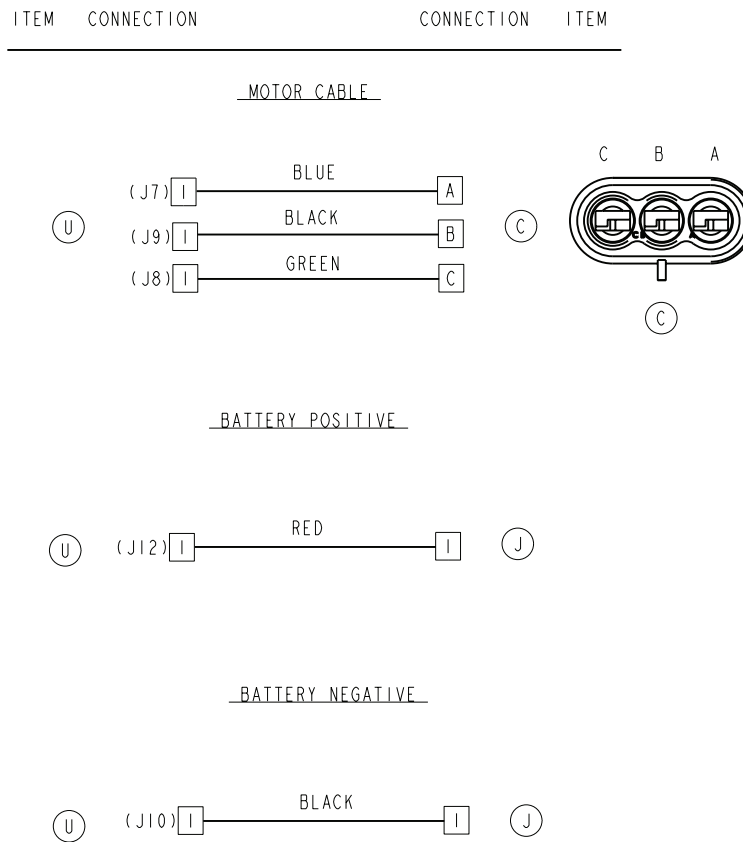
Main cable assembly wiring schematics



Control board assembly



Control board assembly wiring schematics



SMRT charger power LED is not illuminated

Make sure that the AC power supply or DC cable is connected.

1. If using an AC power supply, make sure that the:
 - a. AC power cord is plugged into a wall outlet and the wall outlet has AC power.
 - b. AC power cord is plugged into the power supply.
 - c. AC power supply output cord is plugged into the charger.
2. If using a DC cable, make sure that the:
 - a. DC cable is plugged into a power source with 12.5 - 16 VDC.
Note - The DC power supply output cord adaptor LED should be illuminated.
 - b. Power cord adaptor internal fuse has continuity. If not, replace the fuse. See *12 VDC automotive cable fuse replacement* (page 26).
 - c. DC cable is plugged into the charger.
3. Check for 12.5 - 16 VDC at the power supply output cord that plugs into the charger.
 - a. If 12.5 - 16 VDC is not present, replace the power supply assembly.
 - b. If 12.5 - 16 VDC is present, replace the charger.

SMRT charger will not charge the SMRT Pak

1. Make sure that the charger power LED is illuminated.

- a. If not, see *SMRT charger indicator LEDs are not illuminated when the Pak is inserted* (page 26).
2. Make sure that the charger indicator LEDs flash when the charger is first powered.
 - a. If the LEDs flash at start up, go to step 3.
 - b. If the LEDs do not flash at start up, replace the charger.
3. Reinsert the **SMRT Pak** on the charger and check the charger indicator LEDs for the status of the **SMRT Pak**:
 - a. Solid amber = a **SMRT Pak** error. See *A fully charged SMRT Pak does not provide sufficient power for cot operation* (page 27).
 - b. Flashing amber = a temperature delay. Allow the **SMRT Pak** time to get to normal operating temperature. Reinstall the **SMRT Pak** and recheck step 3.
 - c. Solid green = a fully charged and ready **SMRT Pak**. See *A fully charged SMRT Pak does not provide sufficient power for cot operation* (page 27).

SMRT charger indicator LEDs are not illuminated when the Pak is inserted

1. Unplug the charger, wait five seconds, and plug the charger back into the wall outlet.
2. Make sure that the charger power LED is illuminated. If not, see *SMRT charger power LED is not illuminated* (page 25).
3. Make sure that the **SMRT Pak** is fully inserted into the charger. If not, reinsert the **SMRT Pak** fully, listen for an audible click, and make sure that the charger indicator LEDs illuminate.
4. Try another **SMRT Pak** to identify any issues.

Note - Separate and label **SMRT Paks** during troubleshooting.

- a. If the charger indicator LEDs do not illuminate, replace the charger.
- b. If the charger indicator LEDs illuminate, replace the original **SMRT Pak**.

12 VDC automotive cable fuse replacement

Tools required:

- None

Procedure:

1. Unplug the adaptor cable from the plug (B) and the plug connector (A) (Figure 4).
2. Unscrew the tip on the source end and remove the fuse.

Note - The source tip and the fuse tension spring are loose and could be dropped.

3. Install the supplied 10A 250V fuse into the source end of the adaptor cable and screw the tip back on.
4. Plug both ends back into the source and the charger.
5. Test for functionality before you return the charger to service.



Figure 4 – 12 VDC automotive cable

A fully charged SMRT Pak does not provide sufficient power for cot operation

1. Fully charge the **SMRT Pak** for two hours.
 - a. If the charger indicator LED is solid green, indicating a fully charged and ready **SMRT Pak**, go to step 2.
 - b. If the charger indicator LED is solid amber, indicating a **SMRT Pak** error, replace the **SMRT Pak**.
2. Immediately following a full charge, remove the **SMRT Pak** from the charger and check the voltage at the power terminals on the Pak for 26 VDC minimum.
 - a. If the Pak has a 26 VDC minimum, go to step 3.
 - b. If the VDC is less than 26 VDC, replace the Pak.
3. Wait exactly one hour and charge the **SMRT Pak** again.
 - a. If the charger indicator LED turns solid green (indicating a fully charged and ready **SMRT Pak**) in less than one minute, call Stryker Technical Support.
 - b. If the charger indicator LED flashes green for longer than one minute, replace the Pak.

SMRT charger indicates a SMRT Pak error (amber LED), but the Pak performs well on the cot

1. Fully discharge the **SMRT Pak** by powering a cot until the cot indicator LED flashes red.
2. Recharge the Pak.
 - a. If the charger indicator LED is solid green, indicating a fully charged and ready Pak, then the Pak is ready for use.
 - b. If the charger indicator LED is solid amber, indicating a Pak error, call Stryker Technical Support.

Charger indicates a temperature delay (flashing amber LED), but the Pak is within the normal operating temperature range

1. Remove the **SMRT Pak** from the charger and allow the Pak to cool for at least four hours at room temperature.
2. Insert the Pak into the charger.
 - a. If the charger indicator LED is flashing green, then the Pak is charging.
 - b. If the charger indicator LED is flashing amber, indicating a temperature delay, replace the Pak.

Service

Backrest adjustment

Tools required:

- 1/2" combination wrench
- 5/32" hex wrench
- 3/32" hex wrench
- Small slotted screwdriver
- **Loctite®**

Procedure:

1. For easier access, move the backrest to the full raised position.
2. Verify that the cylinder (A) is threaded into the yoke (B) so that no threads are visible on the cylinder shaft (Figure 5).
3. If threads are visible, complete the steps a - e below (Figure 5).
 - a. Using a 3/32" hex wrench, remove the set screw (C) from the center of the yoke.
 - b. Using a small slotted screwdriver, remove the E-clip and pin (D and E) that secure the bottom of the pneumatic cylinder to the mount.
 - c. Thread the cylinder shaft (A) into the yoke (B) until no threads are visible on the cylinder shaft.
 - d. Replace the E-clip and pin (D and E).
 - e. Using **Loctite®**, replace the set screw (C).
4. Using a 1/2" combination wrench, loosen the hex nut (F) on the backrest pivot (H) while you hold the set screw fixed in the pivot (Figure 5).
5. Using a 5/32" hex wrench, turn the set screw (G) until there is no play between the backrest release handle (J) and the pneumatic cylinder release button (Figure 5).

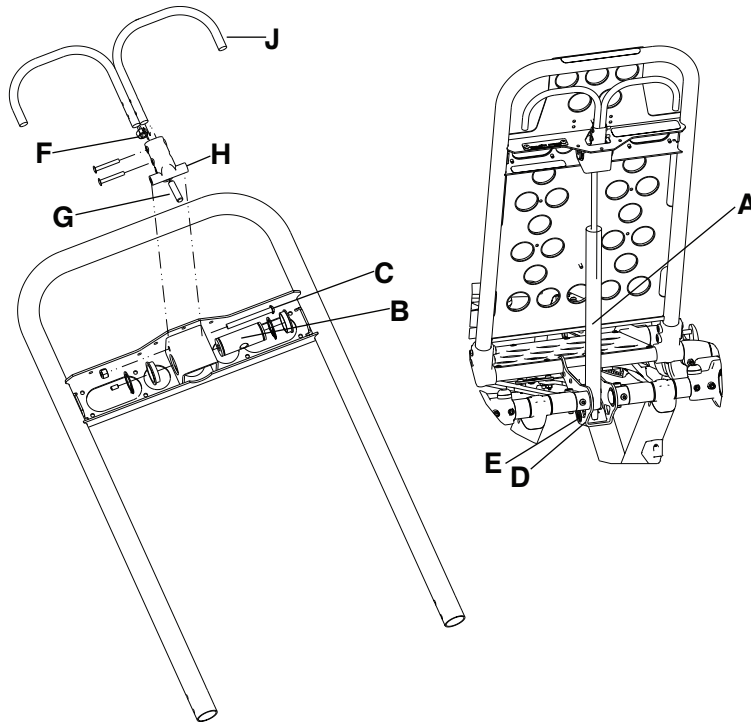


Figure 5 – Backrest

6. Verify that the backrest moves from flat to the full raised position. If it does not, turn the set screw clockwise half of a turn. Repeat until the backrest can achieve at least 73 degrees of movement.
7. Lower the backrest to a 5-10 degree angle and release the handle. Apply approximately 50 lb of force to the end of the backrest. If the backrest drifts down, turn the set screw (G) counterclockwise (Figure 5). Repeat until the backrest does not drift down.
8. Using the 1/2" combination wrench, tighten the hex nut (F) while you hold the set screw fixed in the pivot.
9. Verify proper operation before you return the product to service.

Head section replacement

Tools required:

- 7/16" combination wrench
- 3/16" hex wrench

Procedure:

1. Raise the product to the highest height position.
2. Using a 7/16" combination wrench and a 3/16" hex wrench, remove the two screws (A) that secure the cap bearings to the base litter interface bracket (one on each side) (Figure 6). Save the screws.

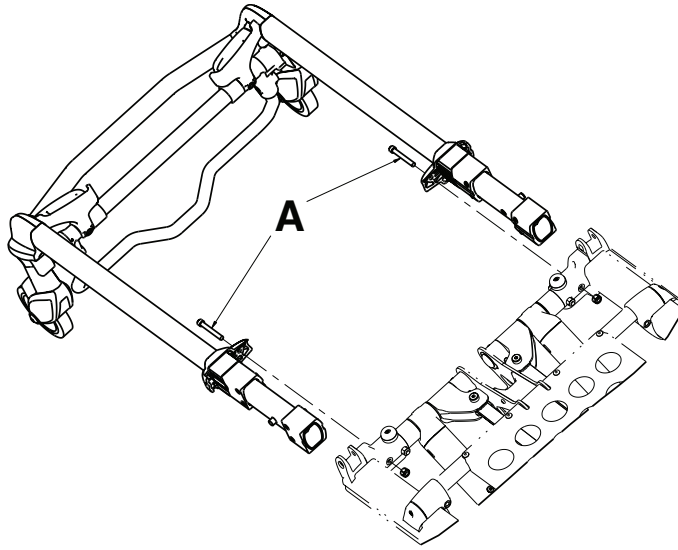


Figure 6 – Head section

3. Squeeze the head release handles and remove the head section assembly.
4. Reverse steps to reinstall.
5. Verify proper operation before you return the product to service.

Backrest gas cylinder replacement

Tools required:

- 3/32" hex wrench
- Slotted screwdriver

Procedure:

1. Raise the cot and the backrest to the full upright position.
2. Using a 3/32" hex wrench, loosen the set screw (A) that secures the gas shaft to the yoke (Figure 7).
3. Using a slotted screwdriver, remove the E-clip from the clevis pin that secures the bottom of the gas cylinder. Save the E-clip.
4. Unscrew the gas cylinder shaft from the yoke.
5. Reverse the above steps to install the new gas cylinder (see *Backrest adjustment* (page 28)).
6. Verify proper operation before you return the product to service.

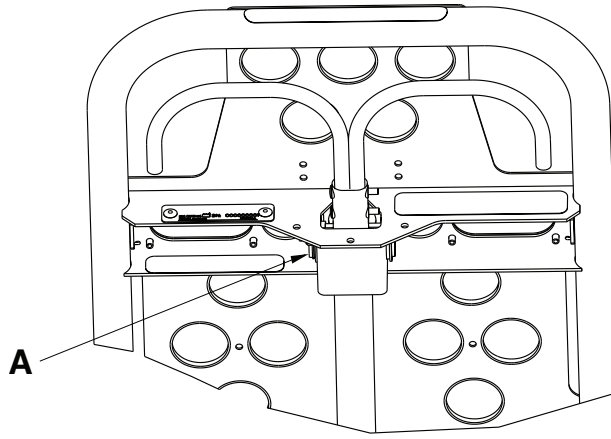


Figure 7 – Backrest gas cylinder

Manual release cable adjustment

Tools required:

- 8 mm combination wrench
- 10 mm combination wrench
- (2) Weights (50 lb each)

Procedure:

1. Support the litter so no weight is on the base.
2. Make sure that the manual release cable is intact (A) (Figure 8).
3. Using a 10 mm combination wrench, loosen the cable lock nut (B) (Figure 8).
4. Using an 8 mm combination wrench, adjust the tension on the manual release cable so it just starts to touch the manual release dual pull bracket (C) (Figure 8).

Note - Make sure that the manual release dual pull bracket is not tight against the manual valve nuts.

5. Tighten the cable lock nut.
6. Place 50 lb of weight on the hydraulic skin.
7. Load height must read 34 1/2" to 35 1/2".
8. Place 100 lb of weight on the hydraulic skin, raise cot to the highest height position, pull the manual release handle, and make sure that the cot does not drop.
9. Remove 100 lb of weight, raise the cot to full height, pull the manual release handle, and make sure that the cot drops.

Note - If steps 6-9 do not work, repeat steps 3-9.

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

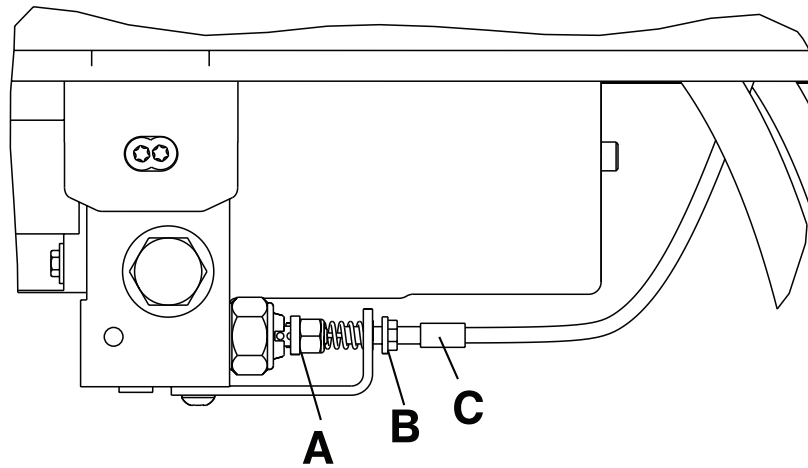


Figure 8 – Manual release cable

Filling the hydraulics assembly reservoir

Use only **Mobil Mercon® V Synthetic Blend Oil** (6500-001-293) when you fill the hydraulics assembly reservoir.

Note - Any time you work with the hydraulics you may lose some oil.

Tools required:

- 3/16" hex wrench

Procedure:

1. Raise the product to the highest height position.
2. Make sure that the fill port is horizontal and lined up with the hole in the motor mount.
3. Using a 3/16" hex wrench, remove the port plug (A) (Figure 9). Save the port plug.
4. Fill the reservoir up to the bottom of the fill port.
5. Using a 3/16" hex wrench, replace the plug and raise and lower the cot a few times.
6. Verify proper operation before you return the product to service.

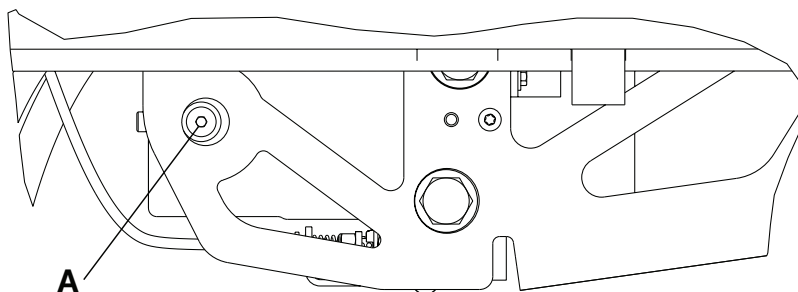


Figure 9 – Hydraulic assembly reservoir

Wheel locking force adjustment

Tools required:

- 5/32" hex wrench
- 7/16" combination wrench or socket

Procedure:

1. Using a 5/32" hex wrench and 7/16" combination wrench or socket, remove the socket screw from the center of the lock pedal. Save the screw. The wheel lock is initially assembled with the pedal set at the minimum locking force. The marker on the pedal (A) is aligned with the marker on the octagonal sleeve (B) (Figure 10).
2. Remove the octagonal sleeve (B). Rotate the octagonal sleeve counterclockwise to increase the pedal locking force and clockwise to decrease the locking force. Insert the octagonal sleeve into the pedal.
3. Using a 5/32" hex wrench and 7/16" combination wrench or socket, reinstall the socket screw (removed in step 1).
4. Test the pedal locking force and make sure that the pedal holds before you return the product to service.

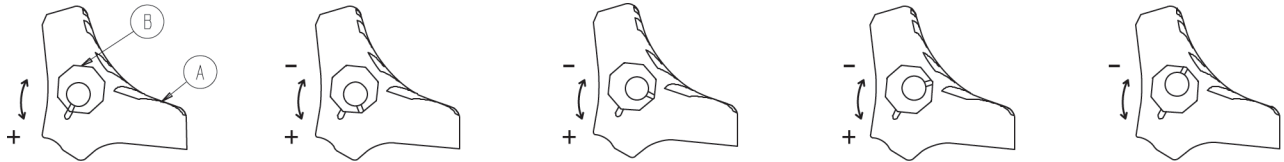


Figure 10 – Wheel locking force adjustment

Steer-Lock mechanism adjustment

Tools required:

- 9/16" combination wrench

Procedure:

1. If your Steer-Lock mechanism will not engage:
 - a. Using a 9/16" combination wrench, adjust the barrel nuts toward the foot end of the cot (Figure 11).
 - b. After adjustment, make sure that a minimum of one full thread is exposed on each side of the barrel nut.
2. If your Steer-Lock mechanism will not disengage:
 - a. Using a 9/16" combination wrench, adjust the barrel nuts toward the head end of the cot (Figure 12).
 - b. After adjustment, make sure that a minimum of one full thread is exposed on each side of the barrel nut.



Figure 11 – Barrel nut at the foot end



Figure 12 – Barrel nut at the head end

Cot retaining post adjustment

CAUTION - The cot retaining post is shipped pre-configured for an X-frame cot. If the fastener has been configured for an H-frame cot, you must adjust the retaining post to accommodate the fastener.

Note

- To determine if your cot is an X-frame or H-frame cot, look for an arrow or groove on the bottom bracket of the cot retaining post.
- The cot retaining post is set for an X-frame cot if the arrow on the bottom bracket of the retaining post points toward the head end of the cot or if the groove in the bottom bracket is located on the inside of the patient left side of the base tube.
- The cot retaining post is set for an H-frame cot if the arrow on the bottom bracket of the retaining post points toward the foot end of the cot or if the groove in the bottom bracket is located on the outside of the patient left side of the base tube.

Tools required:

- T30 Torx driver

Procedure:

1. Using a T30 Torx driver, remove the two socket head cap screws (A) that secure the brackets (B) to the base frame (C) (Figure 13). Save the screws.

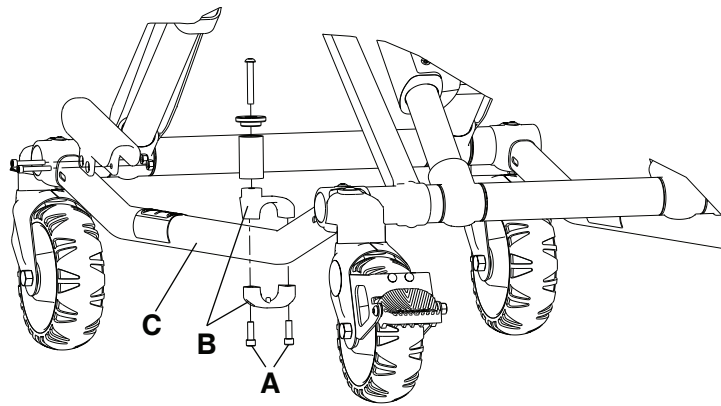


Figure 13 – Cot retaining post

2. Turn the bottom bracket 180 degrees.
3. Using a T30 Torx driver, reinstall the two socket head cap screws (removed in step 1).
4. Verify proper operation before you return the product to service.

Cot retaining post replacement

Note - You may need to adjust the rail clamp assembly to compensate for any variation in cot retaining post position depending on the ambulance cot manufacturer and model number.

Tools required:

- T30 Torx driver
- 5/32" hex wrench
- Torque wrench (in-lb)

Procedure:

1. Raise the product to the highest height position.
2. Turn the cot on the patient left side.

Note - Locate the arrow or groove on the bottom bracket. You must assemble the replacement retaining post bracket in the same orientation.

3. Using a T30 Torx driver, remove the two socket head cap screws (A) that secure the cot retaining post to the base tube (B) (Figure 14). Discard the screws and cot retaining post.
4. Insert the button head cap screw (C) through the retaining post cap (D) and post tube (E), and then into the top pin bracket (F) (Figure 14).

- Using a 5/32" hex wrench, tighten the button head cap screw (C) to secure the retaining post cap (D) and post tube (E) to the top pin bracket (F) (Figure 14). Using a torque wrench, torque the screw to 100-140 in-lb.
- Assemble the cot retaining post across the base tube. Align the holes of the brackets and insert two socket head cap screws (A) into the threaded holes of the bottom pin bracket (G) (Figure 14).
- Using a T30 Torx driver, tighten the two socket head cap screws.
- Verify proper operation before you return the product to service.

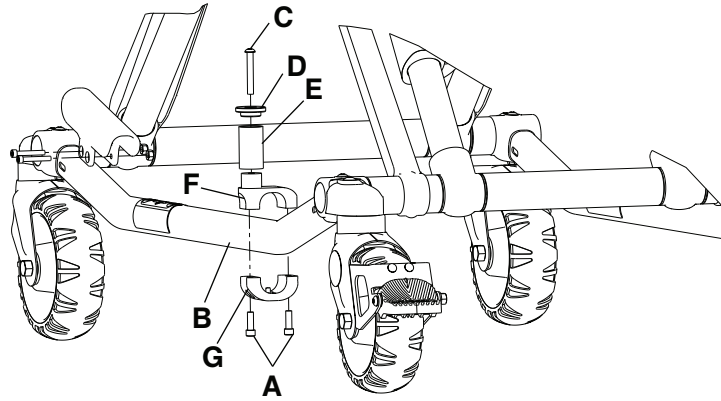


Figure 14 – Cot retaining post replacement

Cot retaining post screw replacement

Tools required:

- T25 Torx driver
- 5/32" hex wrench
- Torque wrench (in-lb)

Procedure:

- Using a T25 Torx driver or 5/32" hex wrench, remove the button head cap screw that secures the retaining post cap and post tube to the top pin bracket. Discard the screw.
- Using a 5/32" hex wrench, install and tighten the button head cap screw (0004-503-000) to secure the retaining post cap and tube to the top portion of the retaining post assembly. Using a torque wrench, torque the screw to 100-140 in-lb.

Note - If you cannot torque the screw to 100-140 in-lb, then you must replace the entire cot retaining post (see *Cot retaining post replacement* (page 34)).

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

Hydraulic A valve or B valve replacement

Tools required:

- T25 Torx driver
- 3/4" combination wrench
- 7/8" combination wrench
- (2) Saw horse
- Towels

Procedure:

- Raise the product to the highest height position.
- Using two saw horses, support the litter. Activate the manual release handle to relieve any hydraulic oil pressure.

3. Using a T25 Torx driver, remove the seat pan from the litter to access the hydraulic assembly.
4. Disconnect all connections to the main cable assembly.
5. Using a 3/4" combination wrench, remove the nut that secures the solenoid to the A valve (A) or B valve (B) (Figure 15). Save the nut.
6. Remove the solenoid from the valve. Save the solenoid.
7. Using a 7/8" combination wrench, remove the A valve or B valve from the hydraulic subassembly (Figure 15).

Note - Hydraulic oil will leak from the valve and manifold. Lay down towels to catch the oil.

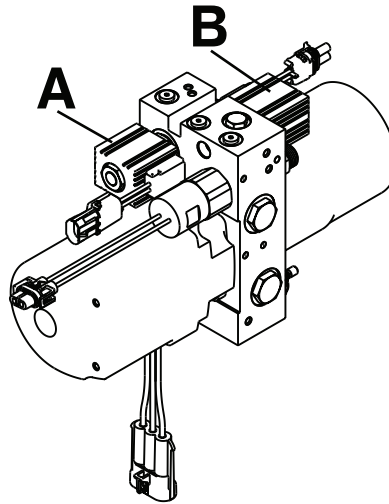


Figure 15 – Hydraulic A valve or B valve replacement

8. Reverse steps to reinstall.
9. Check functionality by raising and lowering the cot several times. If necessary, add hydraulic oil (see *Filling the hydraulics assembly reservoir* (page 32)).
10. Verify proper operation before you return the product to service.

Hydraulic manual release valve replacement

Tools required:

- T27 Torx driver
- 7/16" combination wrench
- 1/8" hex wrench
- 7/8" hex wrench
- (2) Saw horse

Procedure:

1. Raise the product to the highest height position.
2. Using two saw horses, support the litter. Activate the manual release handle to relieve any hydraulic oil pressure.
3. Using a T27 Torx driver, remove the two button head cap screws (A) that secure the manual release cable bracket to the bottom of the hydraulic subassembly (Figure 16).
4. Using a 1/8" hex wrench, place the hex wrench through the stem at the groove in the valve body to hold the valve stem in position.
5. Using a 7/16" combination wrench, remove the Nylock hex nut (B) from each of the valve stems (Figure 16).
6. Using a 7/8" hex wrench, remove the valve (C or D) to be replaced (Figure 16).

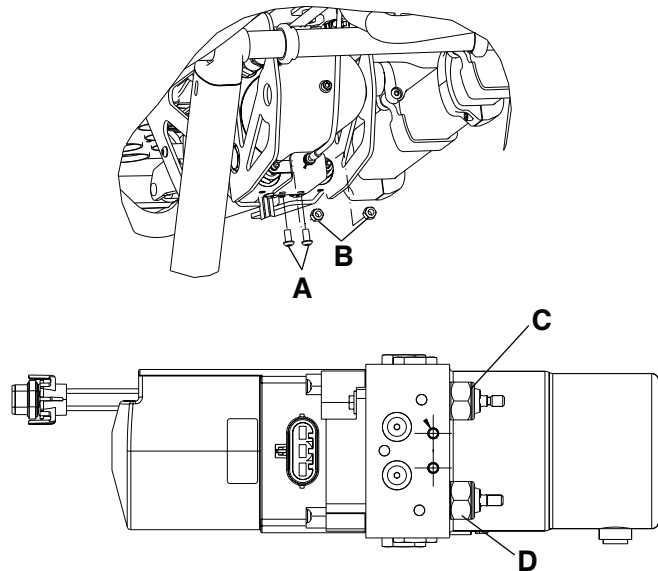


Figure 16 – Hydraulic manual release valve

7. Reverse steps to reinstall.
8. Check functionality by raising and lowering the cot several times. If necessary, add hydraulic oil (see *Filling the hydraulics assembly reservoir* (page 32)).
9. Verify proper operation before you return the product to service.

Hydraulic cylinder replacement

Tools required:

- 9/16" combination wrench
- 3/4" combination wrench
- 11/16" combination wrench
- 13/16" combination wrench
- 3/8" combination wrench
- 1/8" hex wrench
- (2) Saw horse
- Towels

Procedure:

1. Raise the product to the highest height position.
2. Using two saw horses, support the litter. Activate the manual release handle. Manually compress the ram to remove the tension on the base cross tube connecting bolt.
3. Using a 3/4" and 9/16" combination wrench, remove the rod attachment pin (A), washer (B), and Nylock hex nut (C) that secure the hydraulic cylinder to the base (Figure 17). Save all parts.
4. Activate the manual release handle and fully compress the hydraulic cylinder.
5. Using an 11/16" combination wrench and a 13/16" combination wrench, remove both hoses (D) from the hydraulic cylinder (E) (Figure 17).

Note - Hydraulic oil will leak from the hoses and cylinder. Lay down towels to catch the oil.

6. Keep the hose ends high and upright to minimize the amount of fluid lost.

7. Using a 1/8" hex wrench and 3/8" combination wrench, remove the two socket head set screws (F) and Fiberlock hex nuts (G) that secure the hydraulic cylinder to the base (Figure 17). Save the nuts and screws.

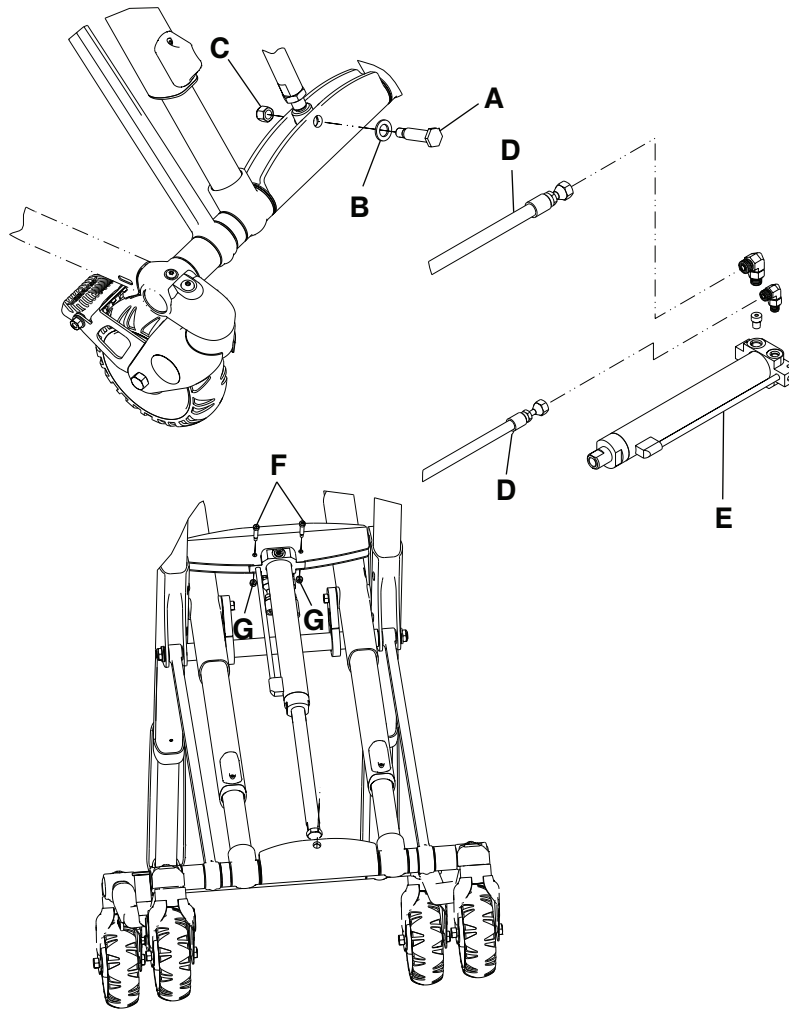


Figure 17 – Hydraulic cylinder replacement

8. Reverse steps to reinstall.
9. Check functionality by raising and lowering the cot several times. If necessary, add hydraulic oil (see *Filling the hydraulics assembly reservoir* (page 32)).
10. Verify proper operation before you return the product to service.

Hydraulic hose replacement

Tools required:

- 11/16" combination wrench
- 13/16" combination wrench
- (2) Saw horse
- Towels

Procedure:

1. Raise the product to the highest height position.
2. Using two saw horses, support the litter. Activate the manual release handle to relieve any hydraulic oil pressure.

Note

- Pay attention to the routing of the hydraulic hose for reinstallation.
 - Hydraulic oil will leak from the hoses and cylinder. Lay down towels to catch the oil.
3. Using a 11/16" combination wrench and a 13/16" combination wrench, remove the hydraulic hose (A or B) (Figure 18). Discard the hose.

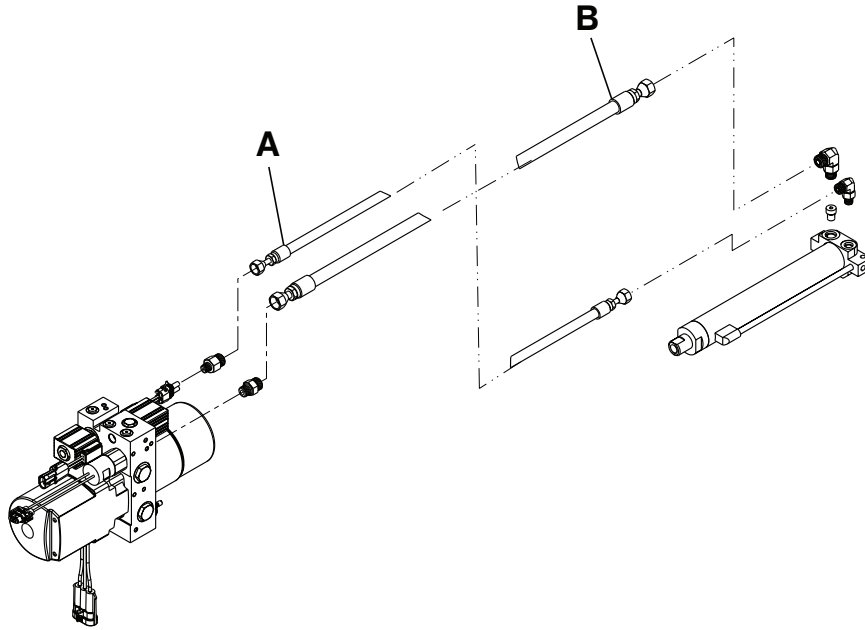


Figure 18 – Hydraulic hose replacement

4. Reverse steps to reinstall.
5. Check functionality by raising and lowering the cot several times. If necessary, add hydraulic oil (see *Filling the hydraulics assembly reservoir* (page 32)).
6. Verify proper operation before you return the product to service.

Terminal block replacement

Tools required:

- T20 Torx driver
- T25 Torx driver

Procedure:

1. Raise the product to the highest height position.
2. Remove and save the battery.
3. Using a T25 Torx driver, remove the six outer button head cap screws (A) from the face plate (Figure 19). Save the screws.
4. Using a T20 Torx driver, remove the four inner delta screws (B) from the face plate to remove the face plate (Figure 19). Save the screws and face plate.
5. Using a T20 Torx driver, remove the four delta screws (C) that secure the electronics assembly to the foot end enclosure and pull the electronics assembly out (Figure 19). Save all parts.

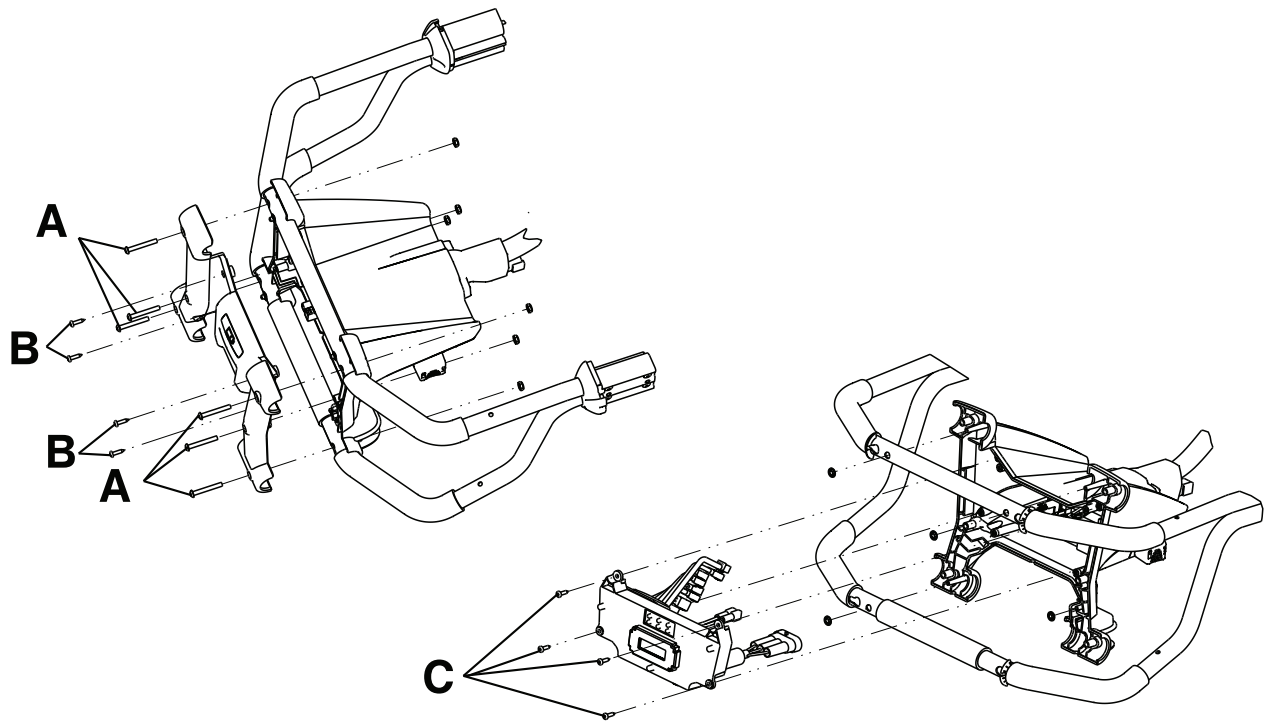


Figure 19 – Terminal block replacement

6. Unplug the black and red wires that connect the cot connector cable assembly (D) to the control board (E) (Figure 20).
7. Using a T20 Torx driver, remove the two delta screws (F) from the bottom plate of the foot end enclosure (G) to remove the enclosure (Figure 20). Save all parts.

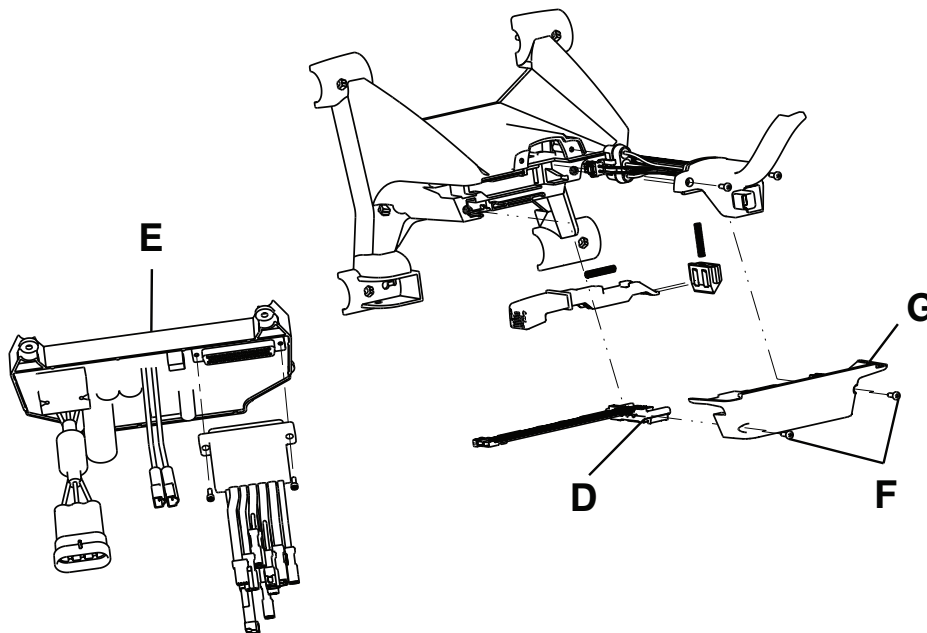


Figure 20 – Control board and cot connector cable assembly

8. Remove and discard the terminal block.
9. Reverse steps to reinstall.
10. Check functionality by raising and lowering the cot several times.
11. Verify proper operation before you return the product to service.

Siderail assembly replacement (standard)

Tools required:

- T25 Torx driver

Procedure:

1. Raise the product to the highest height position.
2. Raise the siderail to the up and locked position.
3. Using a T25 Torx driver, remove the three spindle screws that secure the siderail assembly. Save the screws.
4. Remove and discard the siderail.
5. Reverse steps to reinstall.
6. Verify proper operation before you return the product to service.

Siderail assembly replacement (XPS option)

Tools required:

- T25 Torx driver
- 1/4" hex wrench
- 3/16" hex wrench
- Slotted screwdriver
- Torque wrench (ft-lb)
- Rubber mallet

Procedure:

1. Raise the product to the highest height position.
2. Remove the mattress.
3. Using a T25 Torx driver, remove the button head cap screw (A) and black bumper (B) on the side where you are replacing the siderail (Figure 21). Save the screw and bumper.

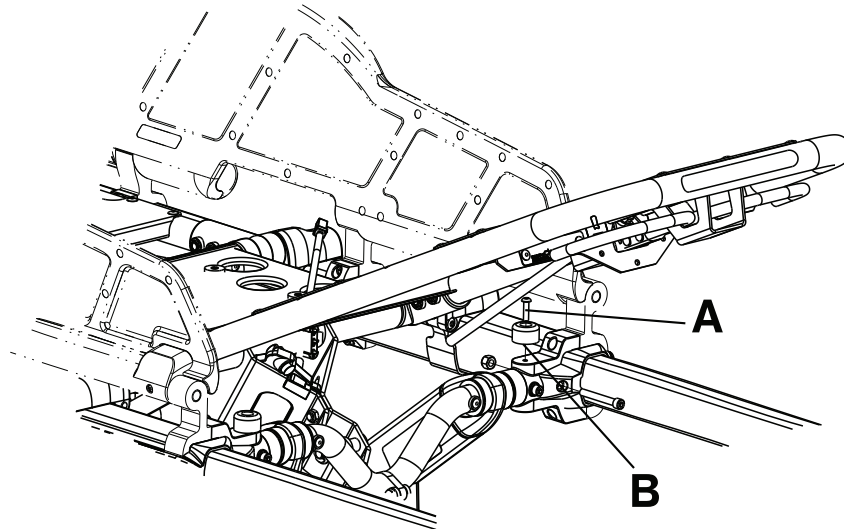


Figure 21 – Siderail assembly replacement (XPS)

4. Using a slotted screwdriver, remove the outer rail bumper. Save the bumper.

Note

- Hold on to the siderail main assembly when you remove the outer rail bumper to prevent the outer rail bumper from falling off.
 - The head end and middle siderail pivots may be loose and could fall off of the main assembly.
5. Using a 1/4" hex wrench, remove the socket head cap screws (C) that secure the siderail clamp (D) to the ratchet assembly at the foot end of the main assembly (Figure 22). Save the screws.

Note

- The siderail will be loose, so do not operate or pull on the siderail.
 - Using a torque wrench, torque both screws to 22 ± 3.3 ft-lb when you reinstall.
6. Using a 3/16" hex wrench, remove the two socket head cap screws (E) that secure the middle siderail clamp (F) to the outer rail assembly (Figure 22). Save the screws.
 7. Using a 3/16" hex wrench, remove the two socket head cap screws (G) that secure the top and bottom of the base/litter interface bracket to the outer rail assembly (Figure 22). Save the screws.

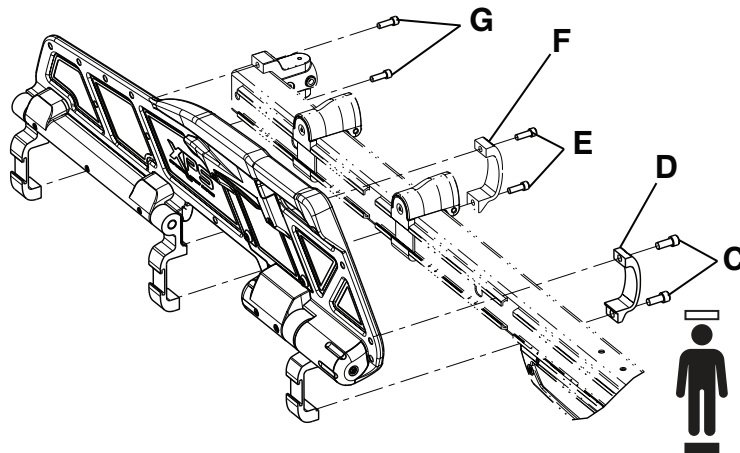


Figure 22 – Remove the siderail assembly

8. Reverse steps to reinstall. Use a rubber mallet to reinstall the outer rail bumper.
9. Verify proper operation before you return the product to service.

Ratchet assembly replacement (XPS option)

Tools required:

- 3/32" hex wrench
- 1/4" hex wrench
- 3/16" hex wrench
- Torque wrench (in-lb)

Procedure:

1. Apply the brakes.
2. Remove the mattress from the cot.
3. Place the product in the highest height position.
4. Raise the siderail to the up and locked position.
5. Using a 3/32" hex wrench, remove the two socket head cap screws (M) that secure the ratchet cover (G) to the ratchet assembly (J) (Figure 23). Remove and save the ratchet cover. Save the screws.
6. Using a 1/4" hex wrench, remove the socket head cap screws (P) that secure the siderail clamp (D) to the ratchet assembly at the foot end of the main assembly. Save the screws.

- Using a 3/16" hex wrench, remove the four socket head cap screws (T) that secure the ratchet assembly to the overmold assembly (K). Remove and discard the ratchet assembly. Save the screws.

Note - Using a torque wrench, torque the socket head cap screws to 9.00 - 11.00 ft-lb when you reinstall.

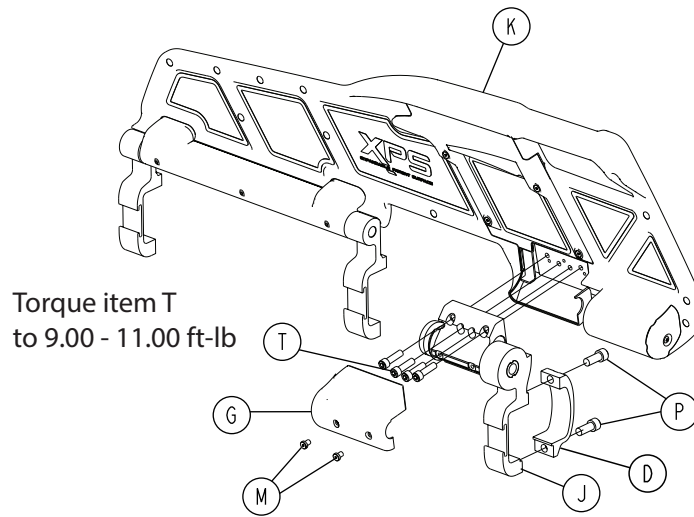


Figure 23 – Ratchet assembly components (XPS)

- Grasp the ratchet assembly and pull toward the head end of the cot to remove. Discard the ratchet assembly.
- Reverse steps to reinstall.
- Verify proper operation before you return the product to service.

Release handle assembly replacement (XPS option)

Tools required:

- 3/32" hex wrench
- Small slotted screwdriver

Procedure:

- Apply the brakes.
- Remove the mattress from the cot.
- Place the product in the highest height position.
- Raise the siderail to the up and locked position.
- Using a 3/32" hex wrench, remove the four socket head cap screws (N and P) that secure the release cover (L) to the overmold assembly (K) (Figure 24). Remove and save the release cover. Save the screws.
- Using a small slotted screwdriver, pry the handle spring (D) up. Remove and save the spring.
- Grasp the handle assembly (B) and lift the handle spring side to remove from the cover. Discard the handle assembly.

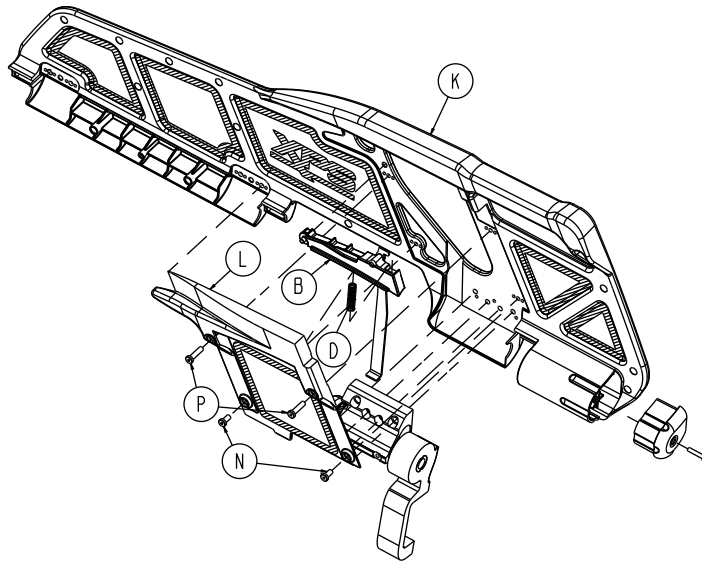


Figure 24 – Release/spring handle assembly components (XPS)

8. Reverse steps to reinstall.
9. Verify proper operation before you return the product to service.

Spring handle assembly replacement (XPS option)

Tools required:

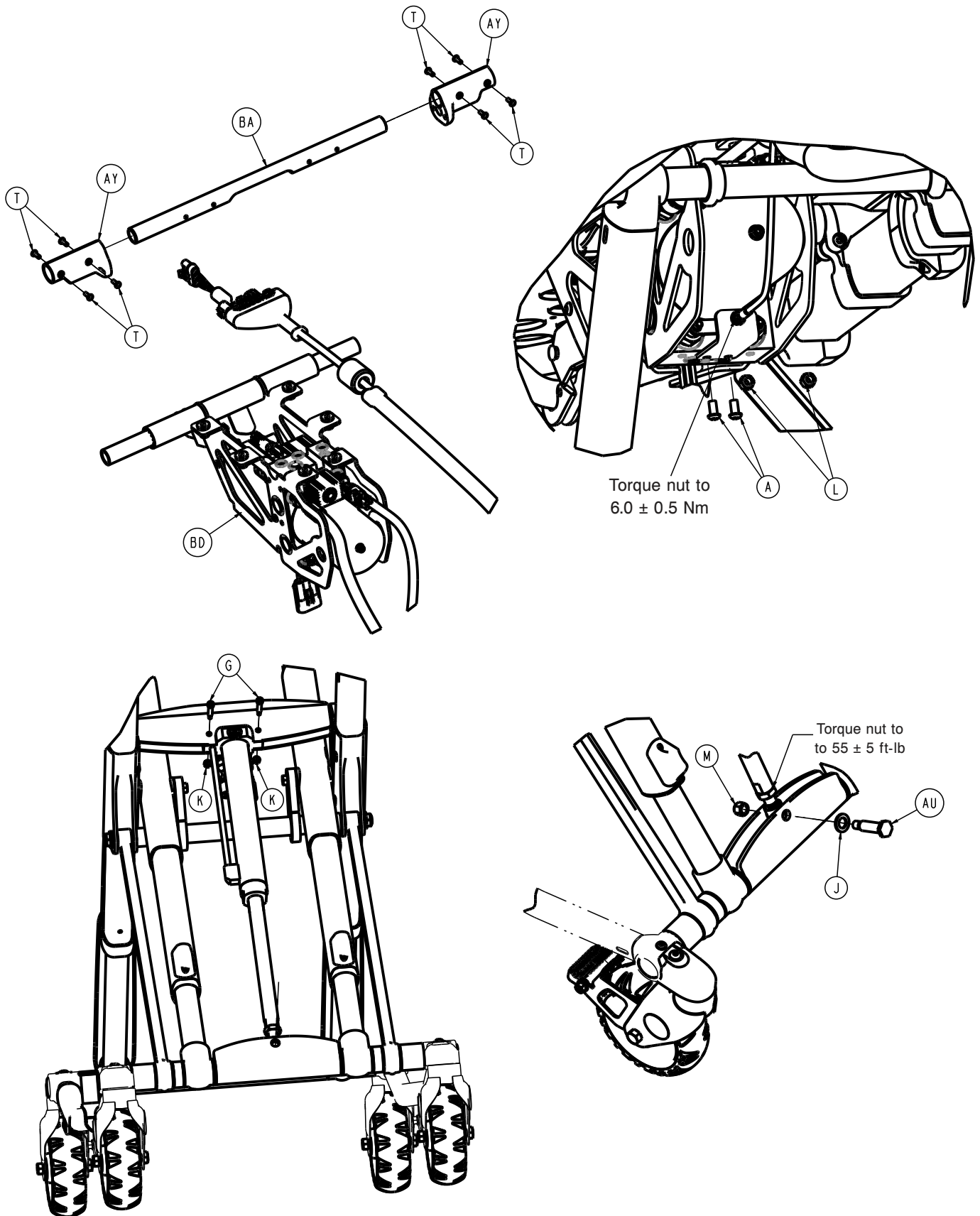
- 3/32" hex wrench
- Small slotted screwdriver

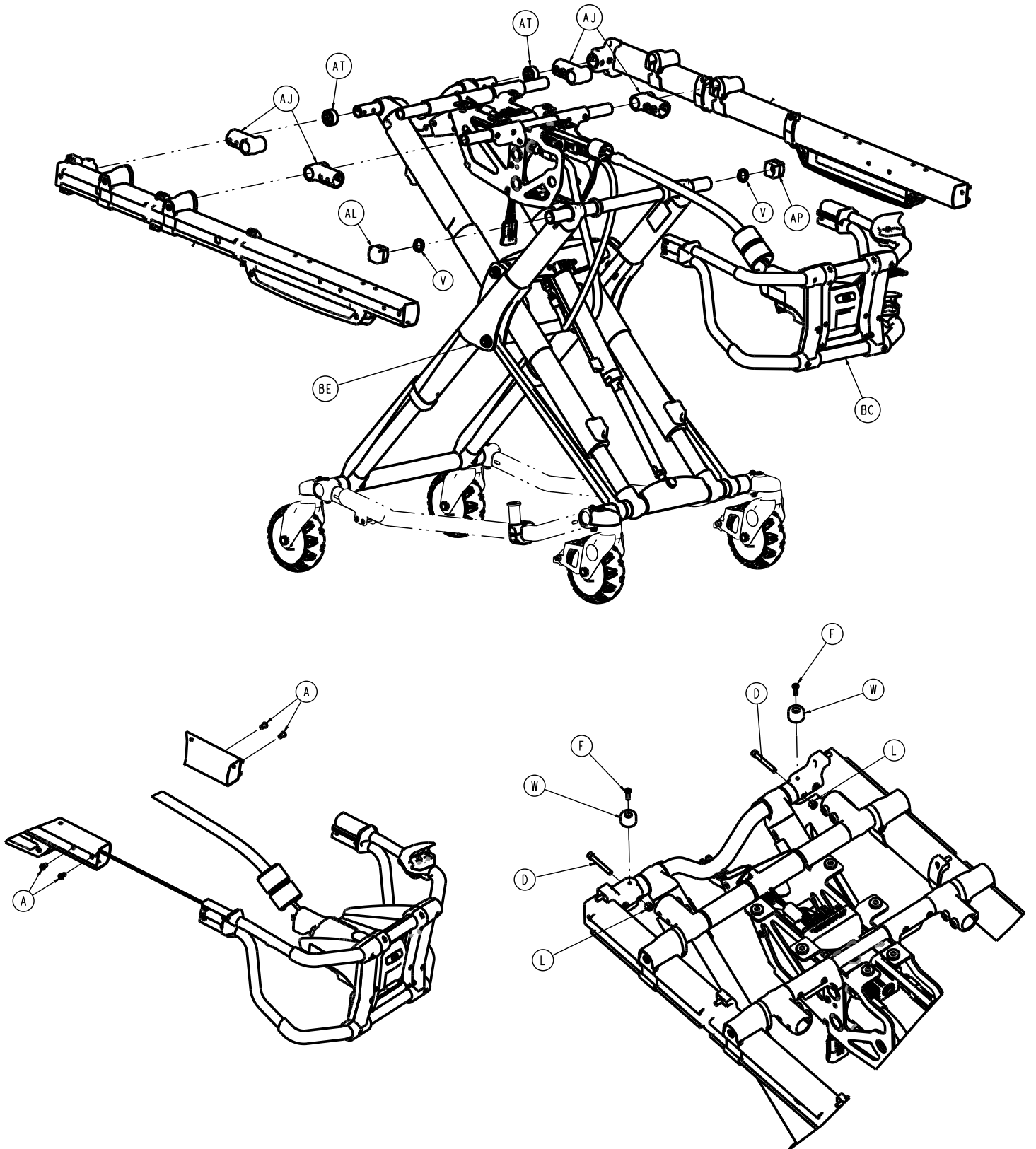
Procedure:

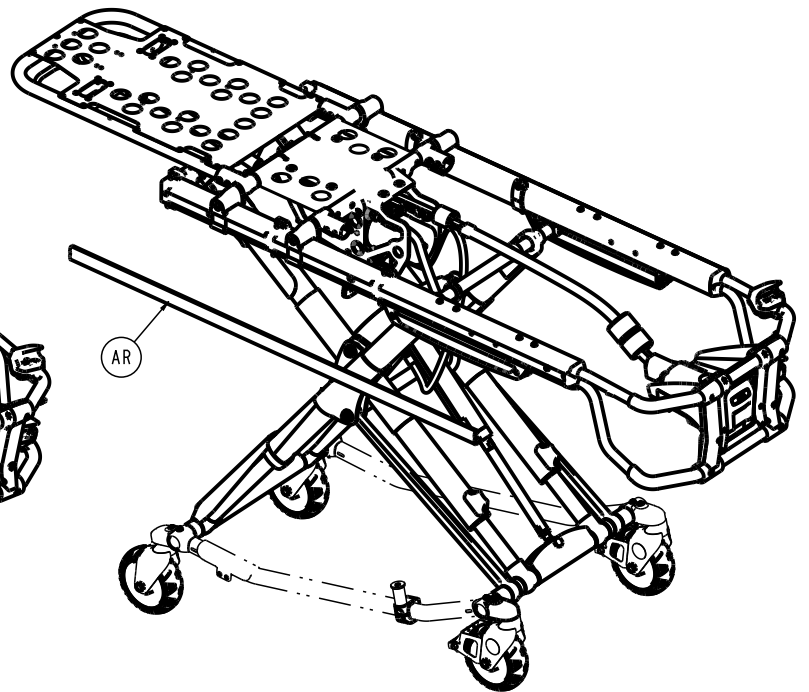
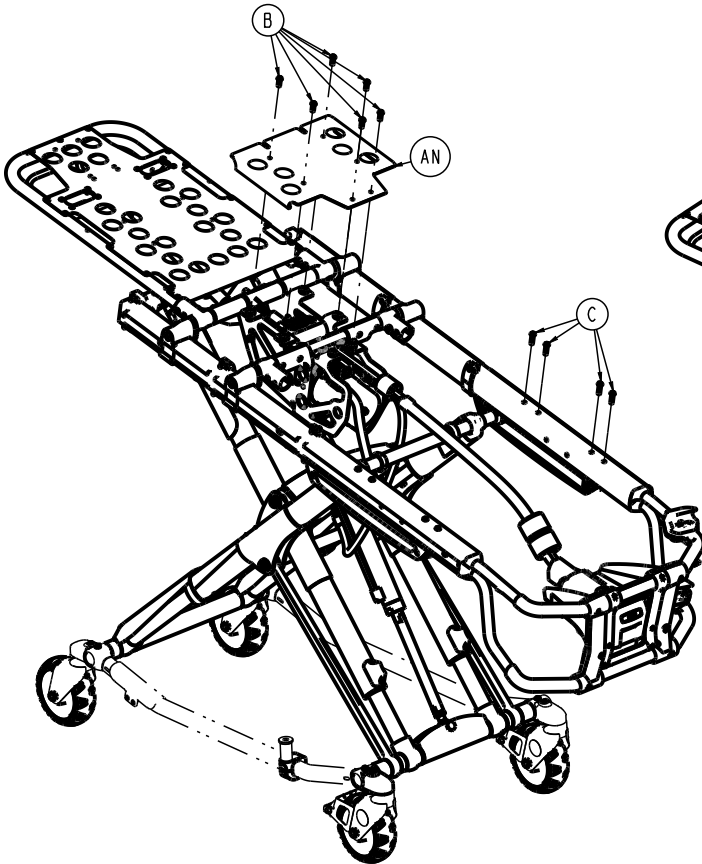
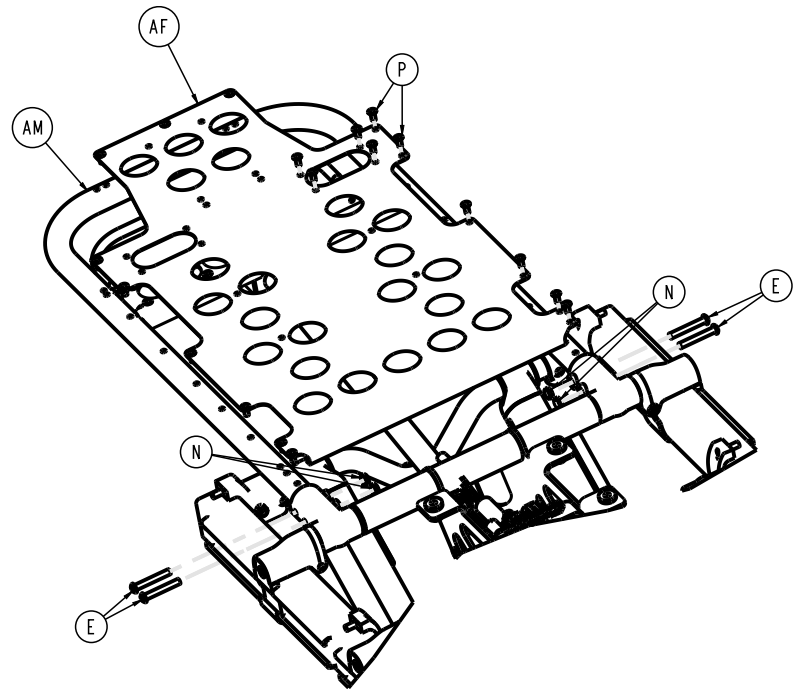
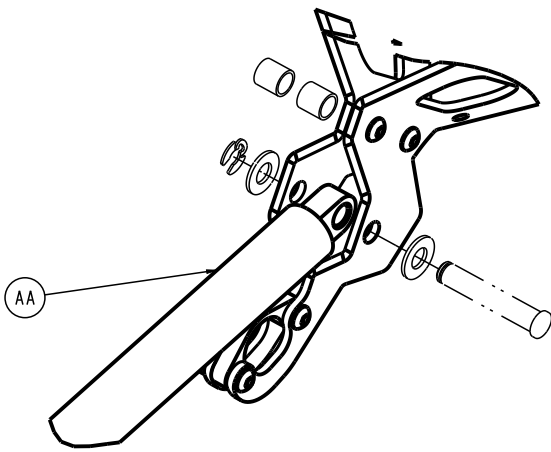
1. Apply the brakes.
2. Remove the mattress from the cot.
3. Place the product in the highest height position.
4. Raise the siderail to the up and locked position.
5. Using a 3/32" hex wrench, remove the four socket head cap screws (N and P) that secure the release cover (L) to the overmold assembly (K) (Figure 24). Remove and save the release cover. Save the screws.
6. Using a small slotted screwdriver, pry the handle spring (D) up. Remove and discard the spring.
7. Reverse steps to reinstall.
8. Verify proper operation before you return the product to service.

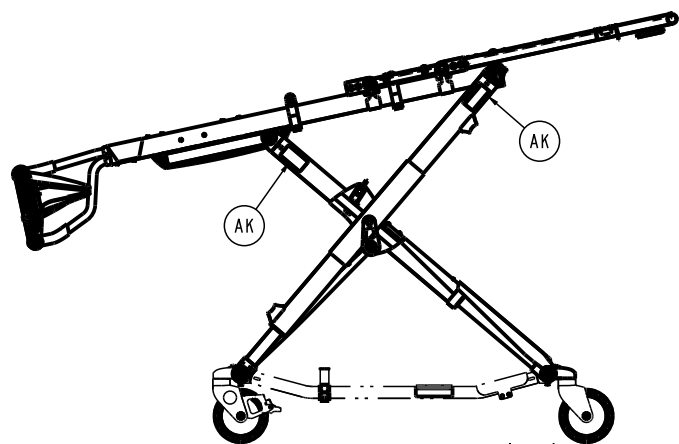
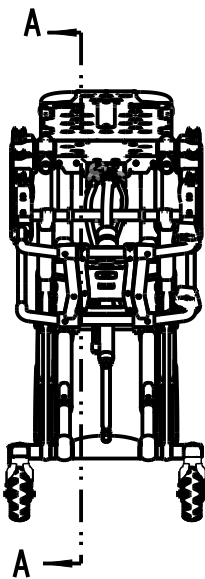
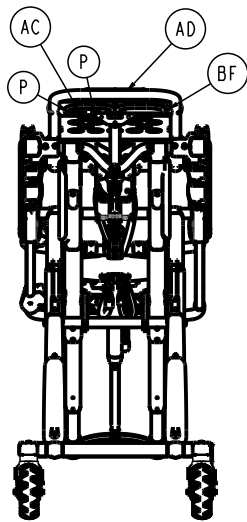
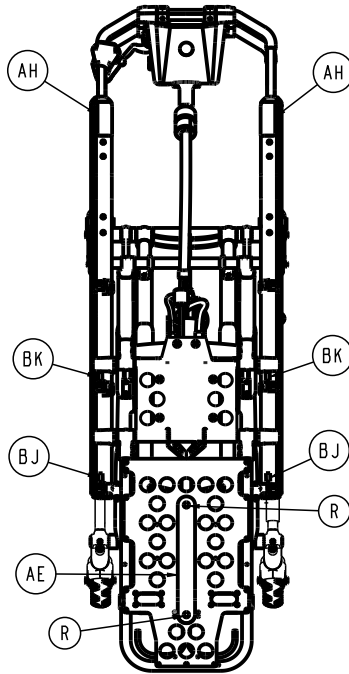
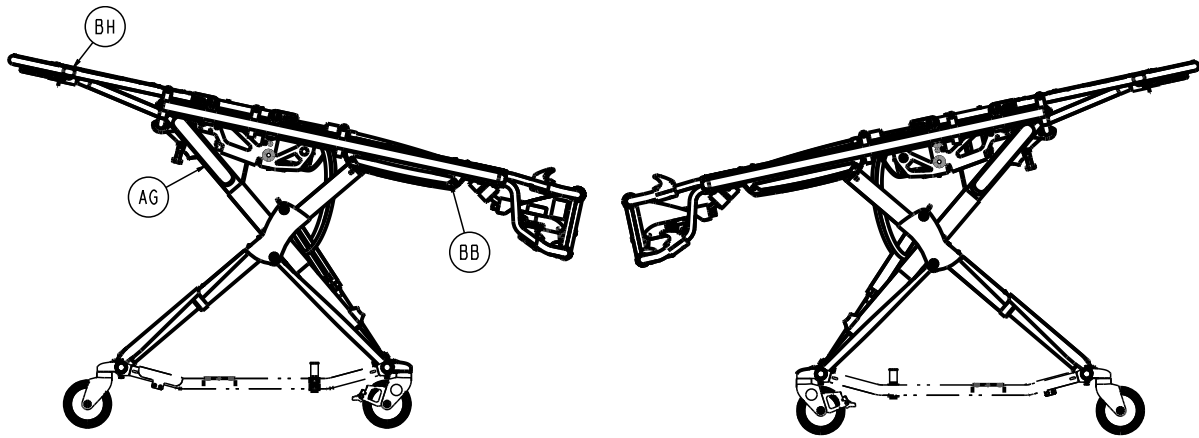
Cot assembly

6506-001-010 Rev AC (Reference only)

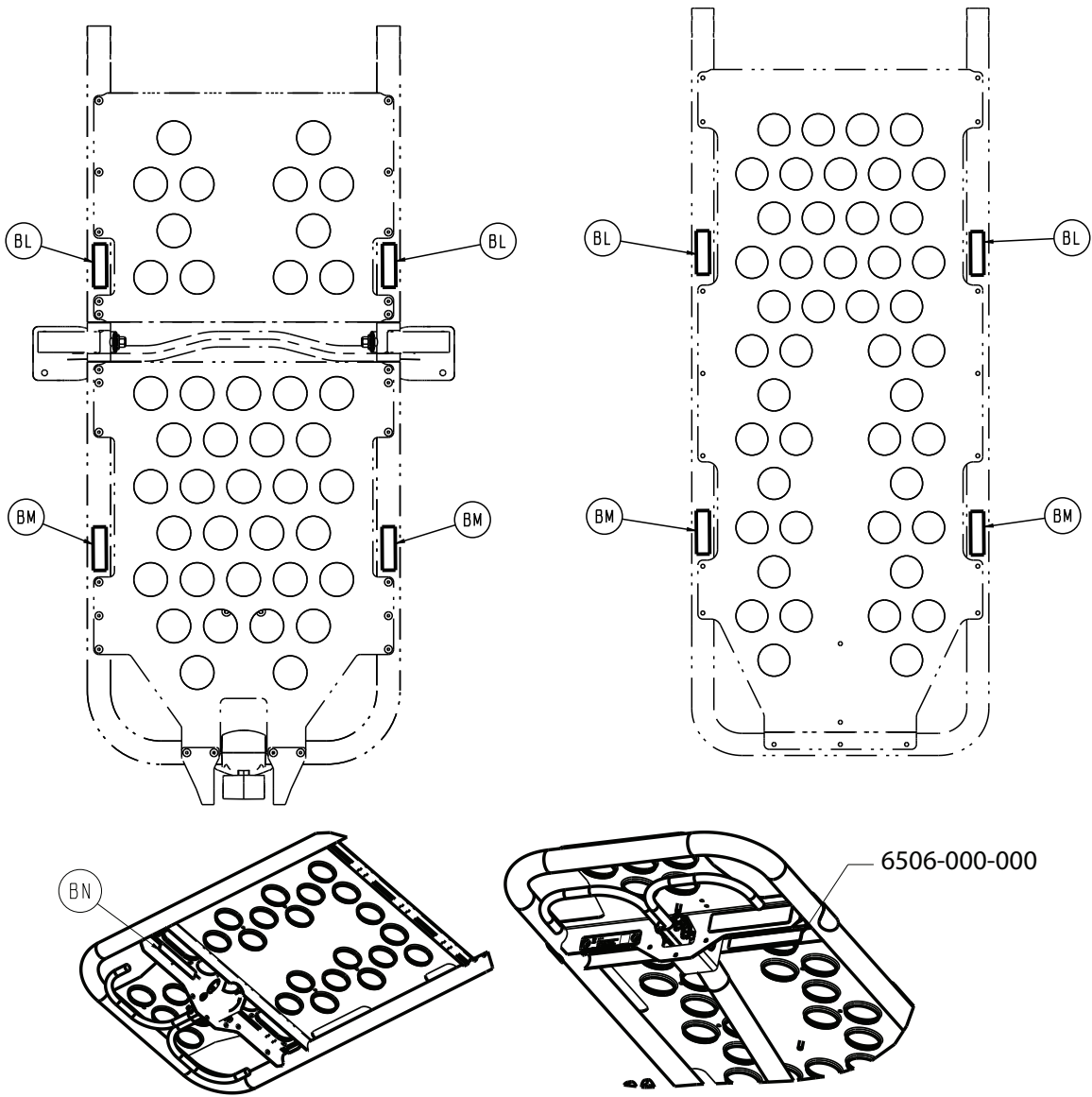








SECTION A - A

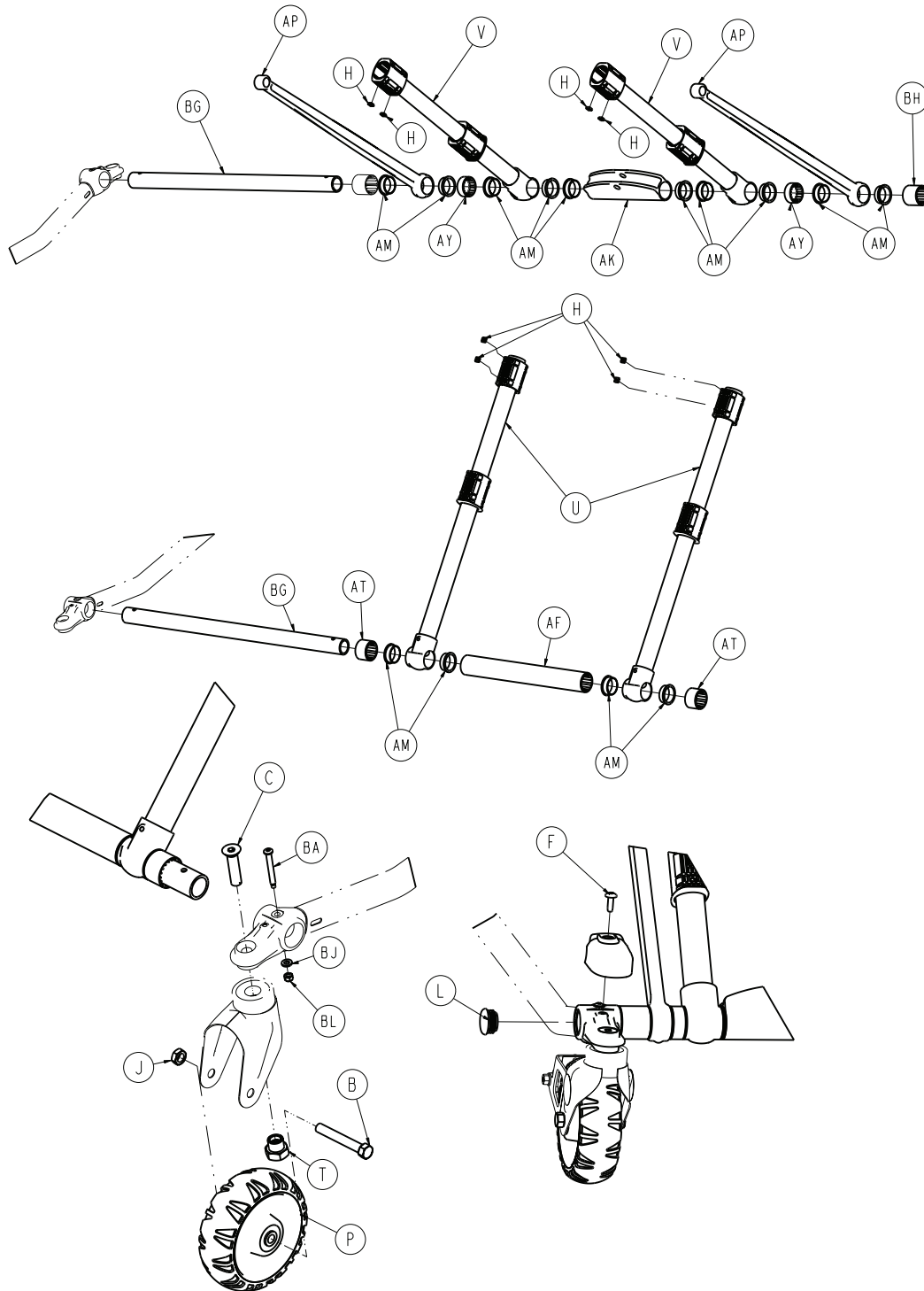


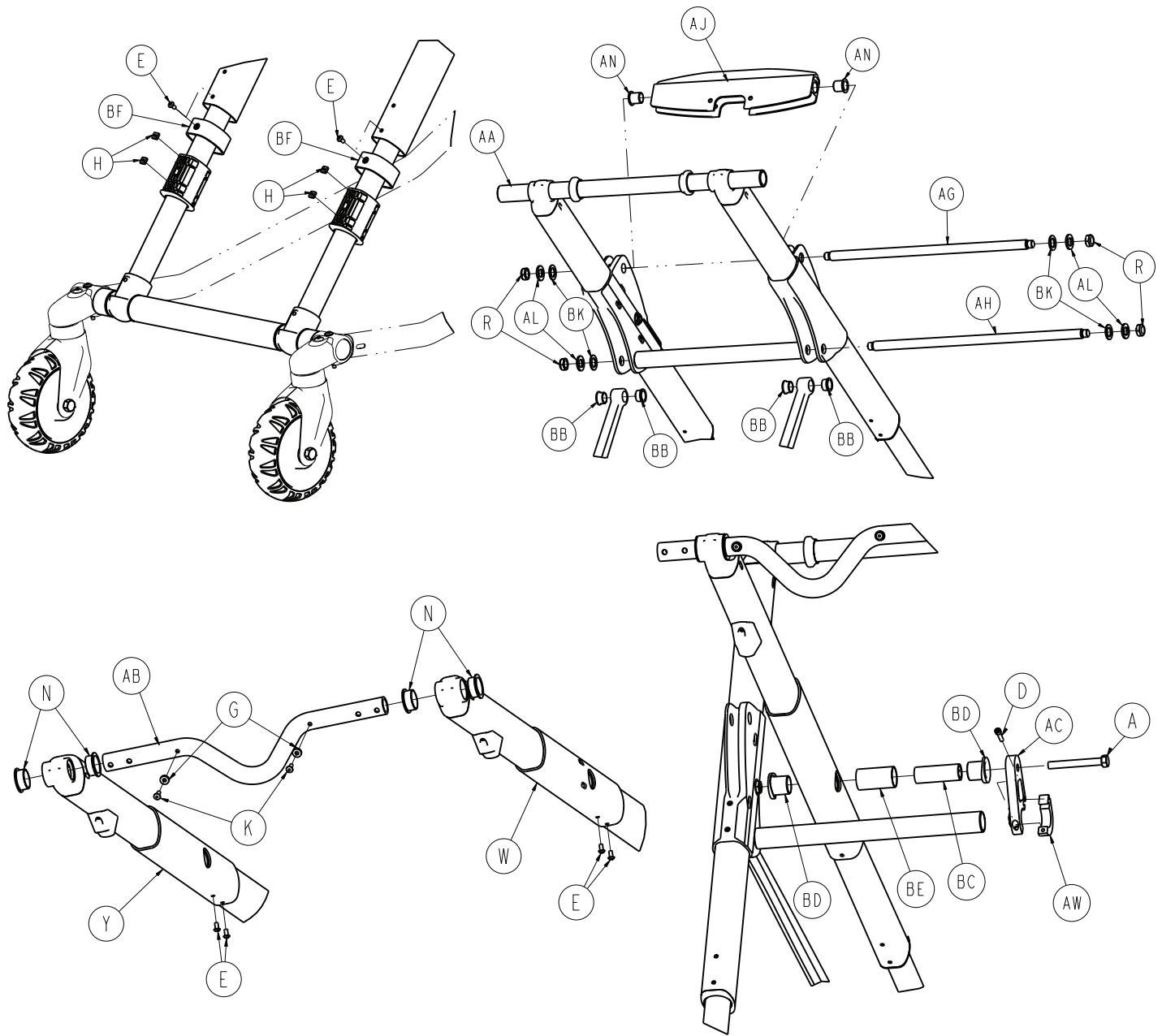
Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	6
B	0004-592-000	Button head cap screw	6
C	0004-594-000	Button head cap screw	8
D	0004-595-000	Socket head cap screw	2
E	0004-596-000	Button head cap screw	4
F	0004-614-000	Button head cap screw	2
G	0008-030-000	Socket head cap screw	2
J	0011-013-000	Washer	1
K	0016-002-000	Fiberlock hex nut	2
L	0016-028-000	Fiberlock hex nut	4
M	0016-035-000	Nylock hex nut	1
N	0016-102-000	Nylock hex nut	4
P	0025-079-000	Dome head rivet	25
R	0025-132-000	Dome head rivet	2
T	0025-133-000	Dome head rivet	8
V	0038-574-000	Crest-to-crest spring	2

Item	Number	Name	Quantity
W	0056-028-000	Black bumper, TPR	2
Y	0059-211-000	Nylon cable tie, 11"	2
AA	6500-031-077	Gas spring	1
AC	6506-001-926	Label, DPM	1
AD	6060-090-004	Label, RUGGED , all	1
AE	6082-001-085	2" adhesive loop pile	1
AF	6082-032-045	Fowler skin	1
AG	6082-090-043	Label, Stryker, 11"	2
AH	6085-101-155	Label, weight capacity	2
AJ	6100-003-125	Straight "T" pivot	4
AK	6252-101-139	Label, do not lubricate	4
AL	6500-001-017	Magnet slider	1
AM	6500-001-018	<i>Fowler assembly</i> (page 90)	1
AN	6500-001-111	Mid-section skin	1
AP	6500-001-123	Hall effects slider	1
AR	6500-001-127	Outer rail bumper	2
AT	6500-001-128	Plastic extrusion spacer	2
AU	6500-001-168	Rod attachment pin	1
AY	6500-001-195	Motor mount casting	2
BA	6500-001-196	Litter cross brace	1
BB	6500-101-233	Label, Power-PRO XT	2
BC	6500-102-015	<i>Foot end assembly</i> (page 78)	1
BD	6500-002-031	<i>Power assembly</i> (page 75)	1
BE	6506-001-012	<i>Base assembly</i> (page 51)	1
BF	6506-101-100	Label, specification	1
BH	6506-001-901	Label, no pushing	2
BJ	6506-001-916	Label, restraint location, shoulder	2
BK	6506-001-917	Label, restraint location, waist	2
BL	6506-001-918	Label, restraint location, thigh	2
BM	6506-001-919	Label, restraint location, ankle	2
BN	639000010901	Label, EAR	1

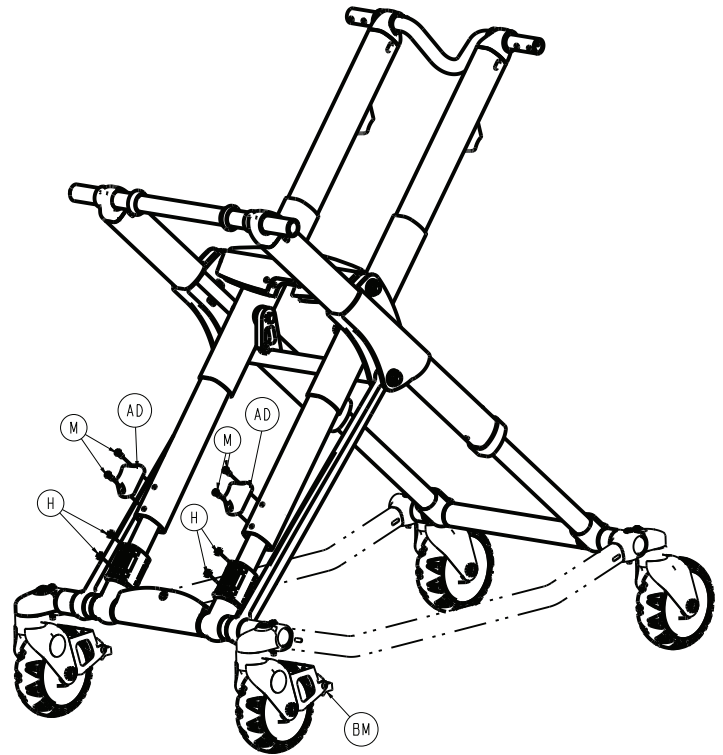
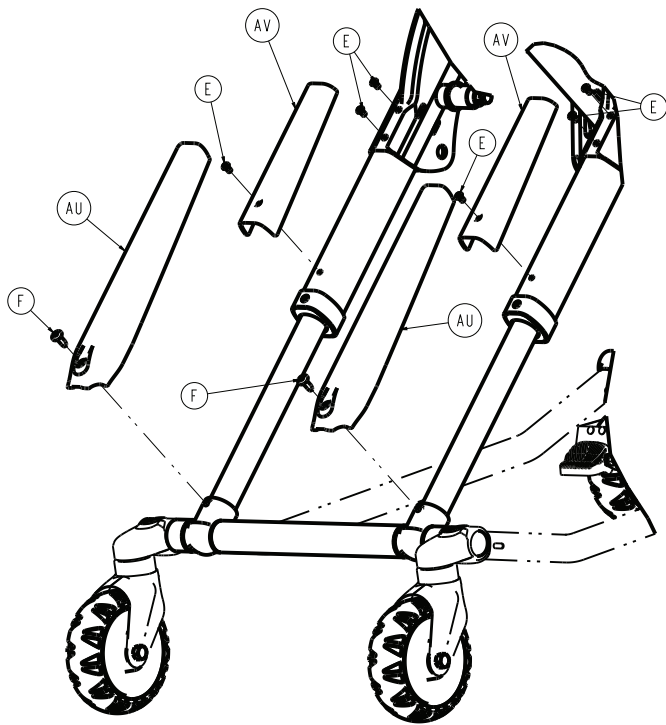
Base assembly

6506-001-012 Rev AA (Reference only)





Note - Item AE (6500-001-309) not shown for clarity (mirror image of item AC (6500-001-308)).

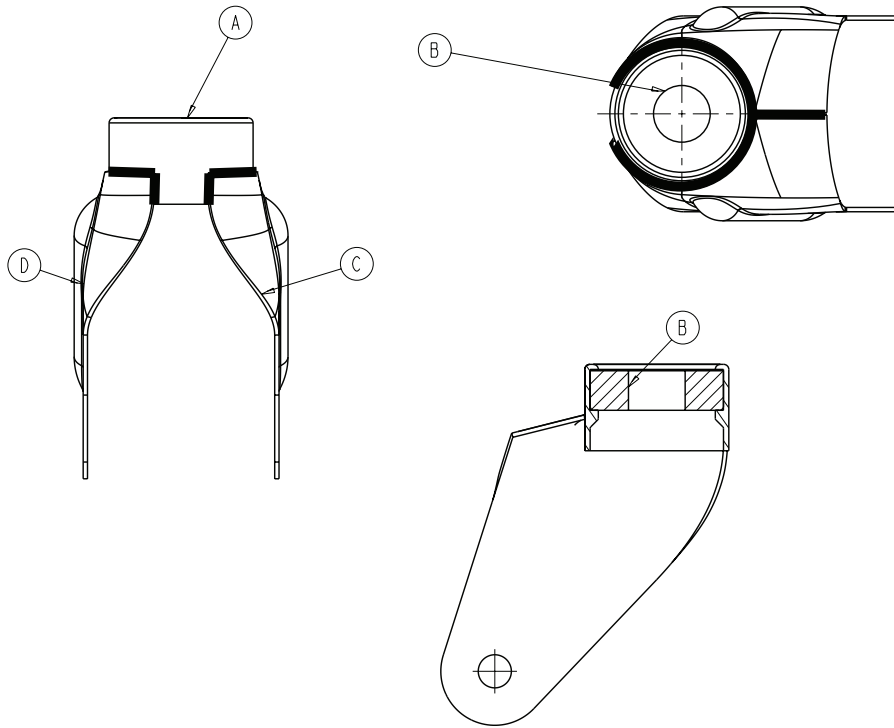


Item	Number	Name	Quantity
A	0003-388-000	Hex head cap screw	2
B	0003-205-000	Hex head cap screw	4
C	0004-319-000	Flat head/hex socket bolt	4
D	0004-659-000	Socket head cap screw	2
E	0004-587-000	Button head cap screw	12
F	0007-086-000	Truss head screw	6
G	0014-115-000	Washer	2
H	0015-051-000	Square nut	16
J	0016-060-000	Toplock hex jam nut	4
K	0025-133-000	Dome head pop rivet	2
L	0037-083-000	Tube plug	4
M	0004-634-000	Button head cap screw	4
N	0081-244-000	Flange bearing	4
P	6060-002-010	6 in. molded wheel assembly (page 60)	4
R	0016-049-000	Nylock hex nut	4
T	6090-001-009	Caster nut	4
U	6500-301-021	Outer lift tube assembly, base pivot (page 62)	2

Item	Number	Name	Quantity
V	6500-301-022	<i>Inner lift tube assembly, base pivot (page 63)</i>	2
W	6500-001-034	<i>Inner lift tube, litter pivot, patient right assembly (page 64)</i>	1
Y	6500-001-035	<i>Inner lift tube, litter pivot, patient left assembly (page 65)</i>	1
AA	6500-001-056	Inner tube base frame	1
AB	6500-001-090	Head end cross tube	1
AC	6500-001-308	Base strap, patient right	1
AD	6500-001-125	Base dead stop	2
AE	6500-001-309	Base strap, patient left	1
AF	6500-001-129	Plastic extrusion spacer	1
AG	6500-001-171	Cylinder mount cross tube	1
AH	6500-001-182	Stiffener bar cross tube	1
AJ	6500-001-164	Cylinder mount pivot, top	1
AK	6500-001-165	Cylinder mount pivot, bottom	1
AL	6500-001-225	"D" washer	4
AM	6500-001-166	Flange bearing	14
AN	6500-001-157	Flange bearing	2
AP	6500-001-172	Support link	2
AT	6500-001-178	Plastic extrusion spacer	2
AU	6500-001-179	Top X-frame guard, lower	2
AV	6500-001-180	Top X-frame guard, upper	2
AW	6500-001-310	Base strap clamp	2
AY	6500-001-183	Plastic extrusion spacer	2
BA	6085-001-097	Caster mount bolt	4
BB	6500-001-162	Flange bearing	4
BC	6500-001-341	Base tube pivot post	2
BD	6500-001-226	Base tube pivot bearing	4
BE	6500-001-227	Base tube pivot post	2
BF	6500-001-228	Inner lift tube sleeve	2
BG	6500-001-229	Foot base tube	2
BH	6500-001-230	Plastic extrusion spacer	1
BJ	0014-002-000	Washer	4
BK	0014-040-000	Flat washer	4
BL	0016-002-000	Fiberlock nut	4
BM	6086-200-010	<i>Adjustable caster lock assembly (page 56)</i>	2

Caster horn assembly

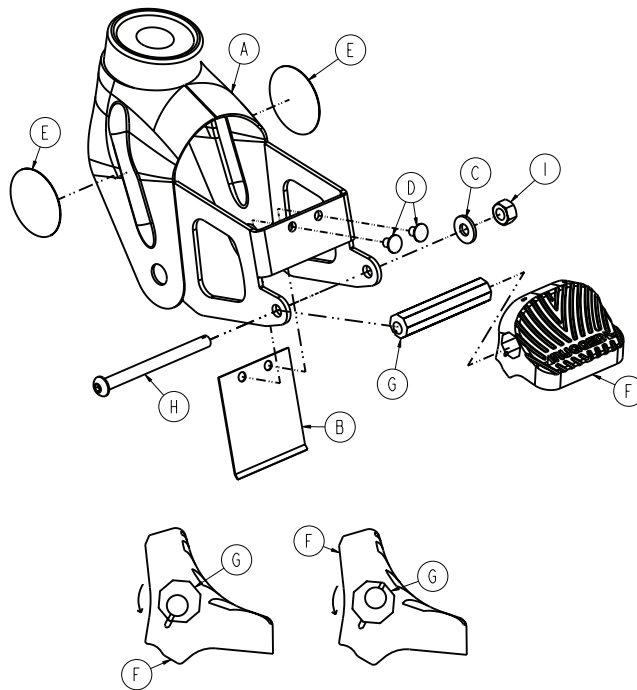
6082-002-012 Rev C (Reference only)



Item	Number	Name	Quantity
A	6082-002-039	Bearing retainer	1
B	0081-227-000	Bearing	1
C	6082-002-042	Caster horn plate, patient left	1
D	6082-002-043	Caster horn plate, patient right	1

Adjustable caster lock assembly

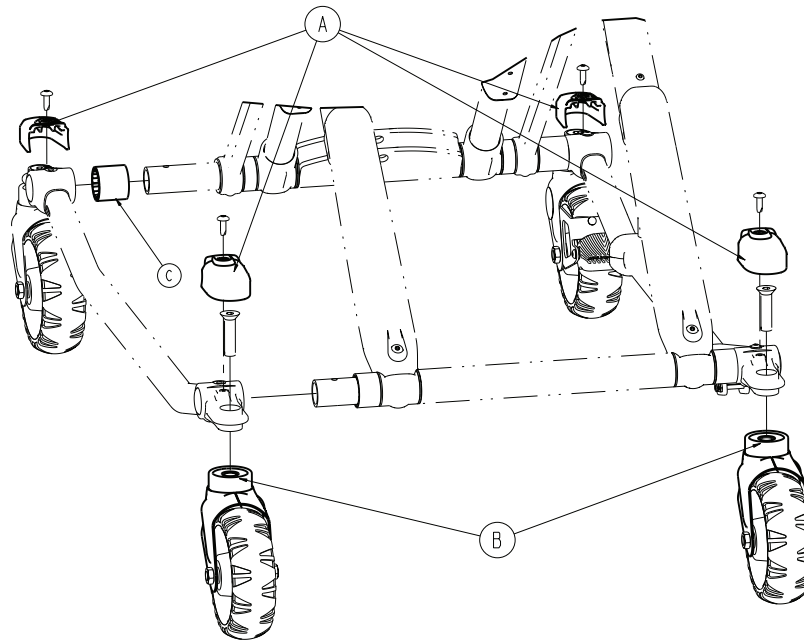
6086-200-010 Rev A (Reference only)



Item	Number	Name	Quantity
A	6082-100-012	Caster horn	1
B	6080-100-032	Spring	1
C	0011-456-000	Washer	1
D	0025-153-000	Semi-tubular rivet	2
E	6506-001-900	Label	2
F	6080-300-030	Pedal, adjustable caster lock	1
G	6080-200-041	Octagonal sleeve, adjustable caster lock	1
H	0004-098-000	Hex socket button head cap screw	1
I	0016-118-000	Centerlock nut	1

No Steer-Lock option - 6506-037-000

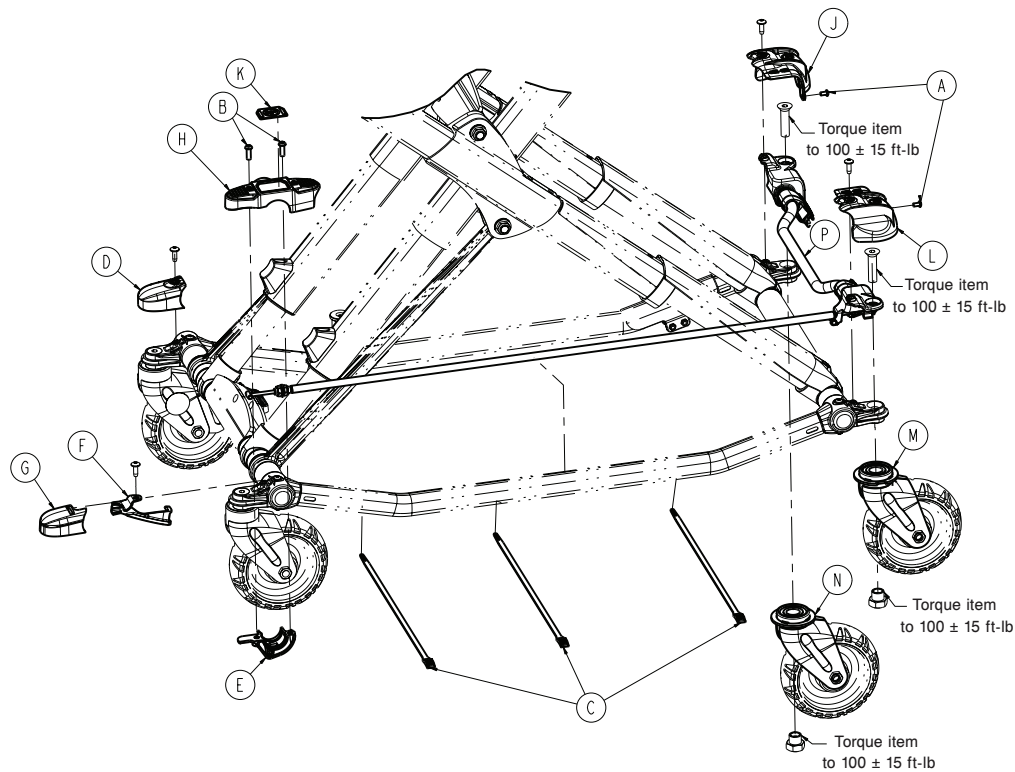
Rev A (Reference only)



Item	Number	Name	Quantity
A	6500-001-177	Caster mount cover	4
B	6082-002-012	Caster horn assembly (page 55)	2
C	6500-001-230	Plastic extrusion - spacer	1

Steer-Lock option - 6506-038-000

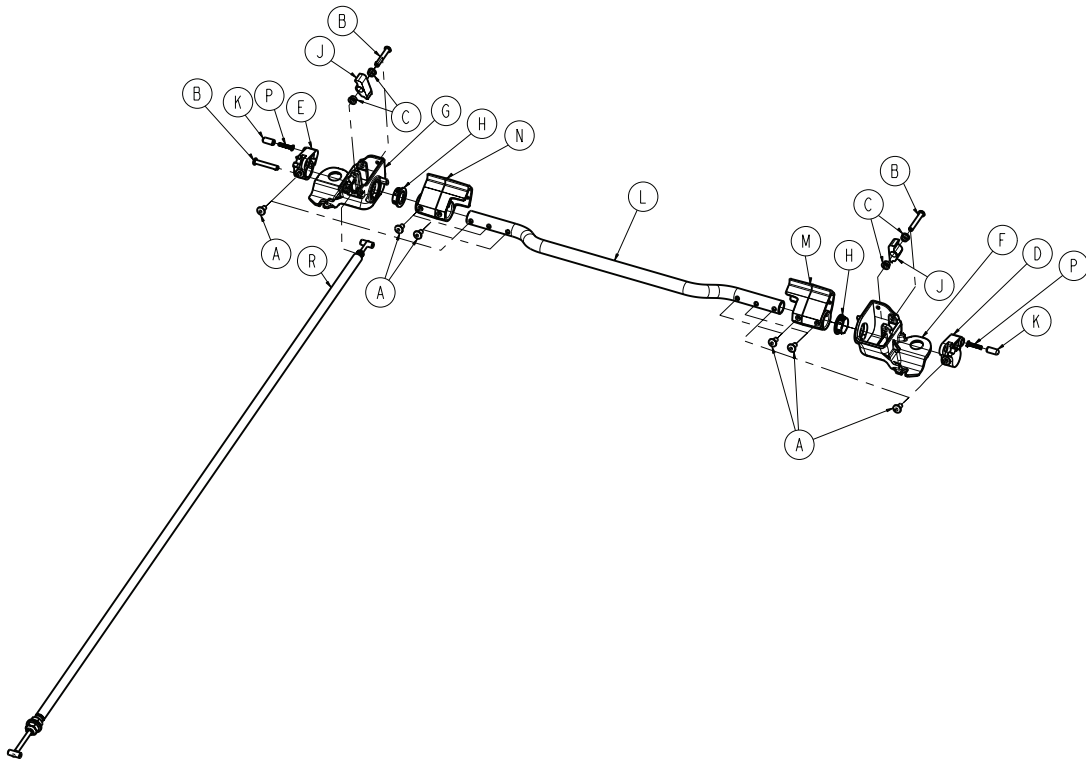
Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-587-000	Button head cap screw	2
B	0004-592-000	Button head cap screw	2
C	0059-211-000	Cable tie	3
D	6500-001-177	Caster mount cover	1
E	6500-002-243	Steer-Lock pedal collar, foot end	1
F	6500-002-244	Steer-Lock cable support bracket	1
G	6500-002-245	Caster mount cover	1
H	6500-002-246	Steer-Lock overmolded pedal, foot end	1
J	6500-002-247	Steer-Lock housing cover, head end	1
K	6500-002-248	Label, Steer-Lock pedal, foot end	1
L	6500-002-249	Steer-Lock housing cover, head end	1
M	6500-002-255	Steer-Lock caster horn weldment, patient left	1
N	6500-002-260	Steer-Lock caster horn weldment, patient right	1
P	6506-002-265	Steer-Lock sub assembly, head end (page 59)	1

Steer-Lock sub assembly, head end

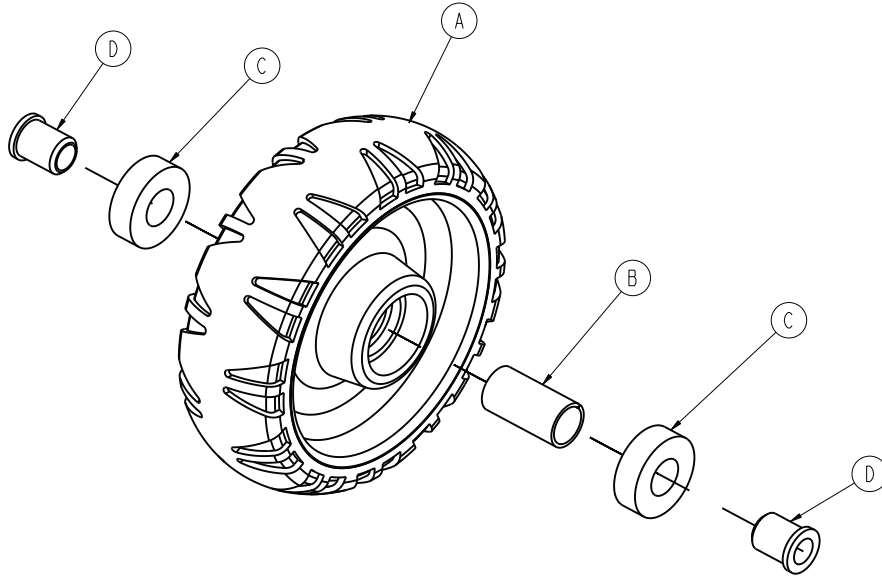
6506-002-265 Rev A (Reference only)



Item	Number	Name	Quantity
A	0025-079-000	Dome head rivet	6
B	0027-036-000	Self locking implanted cotter (SLIC) pin	3
C	0081-347-000	Flange bearing	4
D	6500-002-230	Steer-Lock plunger housing	1
E	6500-002-231	Steer-Lock plunger housing	1
F	6500-002-234	Steer-Lock mechanism housing	1
G	6500-002-235	Steer-Lock mechanism housing	1
H	6500-002-236	Steer-Lock custom flange bushing	2
J	6500-002-237	Steer-Lock lock pawl	2
K	6500-002-238	Steer-Lock plunger button	2
L	6500-002-240	Steer-Lock cross tube	1
M	6500-002-241	Steer-Lock pedal, head end	1
N	6500-002-251	Steer-Lock pedal, head end	1
P	6500-002-252	Compression spring	2
R	6500-002-250	Steer-Lock push-pull flex rod assembly	1

6 in. molded wheel assembly

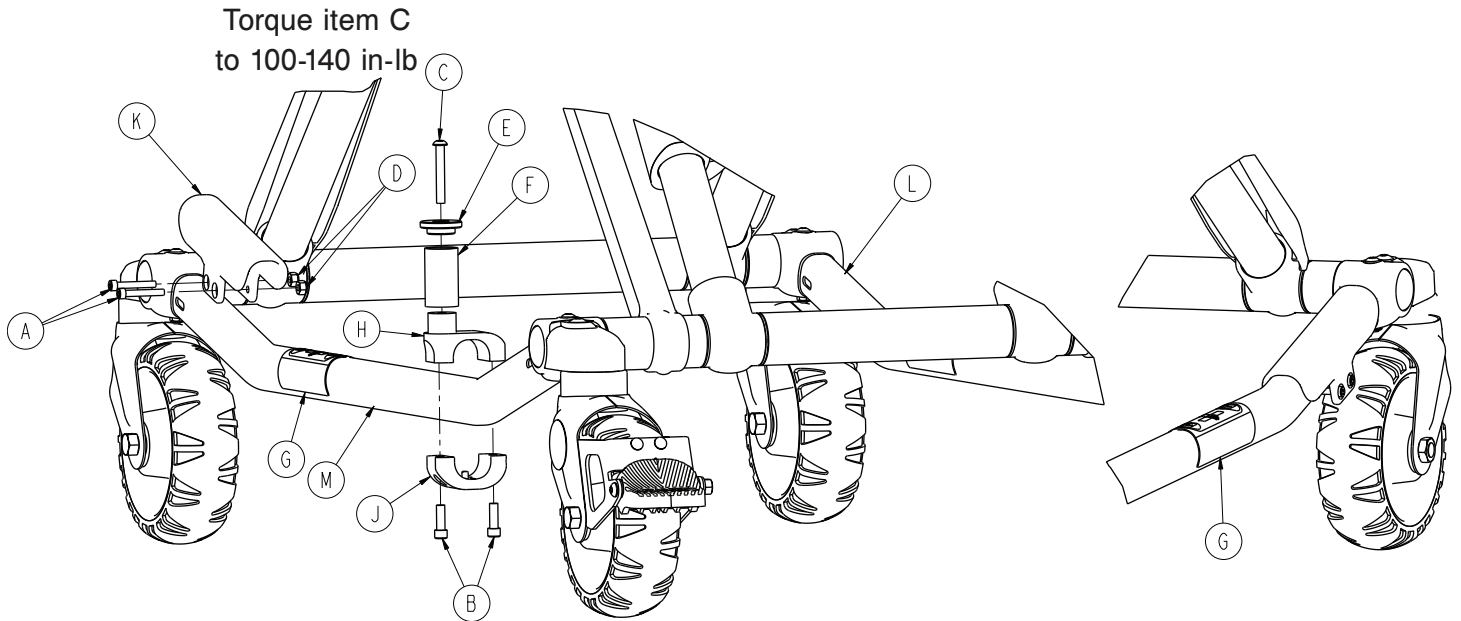
6060-002-010 Rev D (Reference only)



Item	Number	Name	Quantity
A	6060-002-045	6 in. molded wheel	1
B	6060-002-046	Bearing spacer	1
C	0081-226-000	Bearing	2
D	0715-001-255	Wheel bushing	2

Cot retaining post option, patient right - 6085-033-000

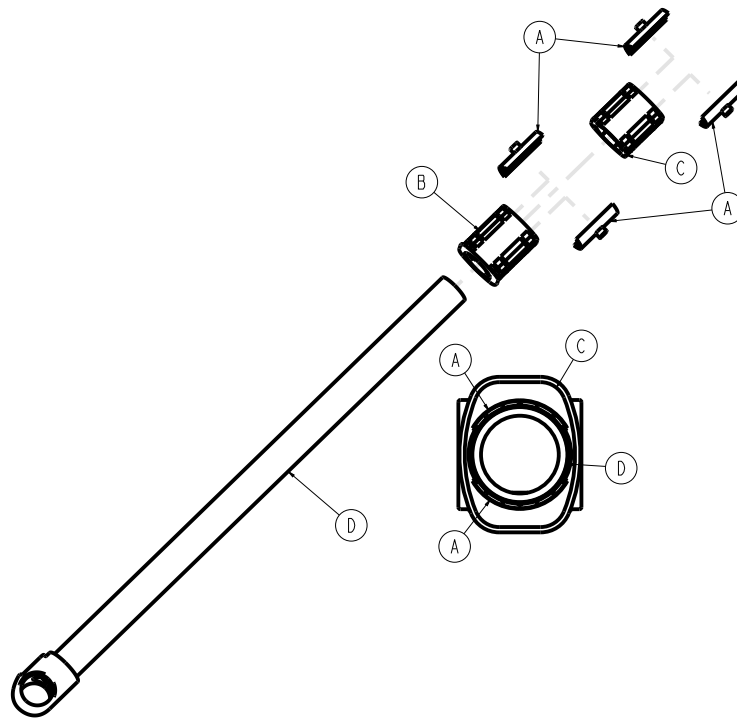
Rev E (Reference only)



Item	Number	Name	Quantity
A	0004-160-000	Socket head cap screw	2
B	0004-591-000	Socket head cap screw	2
C	0004-503-000	Button head cap screw	1
D	0016-003-000	Nylock hex nut	2
E	6060-004-043	Retaining post cap	1
F	6060-004-044	Post tube	1
G	6080-090-108	Label, lift here	2
H	6500-101-189	Top pin bracket	1
J	6500-101-190	Bottom pin bracket	1
K	6500-001-302	Base tube protector	1
L	6085-001-056	Outer base tube weldment	1
M	6085-001-057	Outer base tube weldment	1

Outer lift tube assembly, base pivot

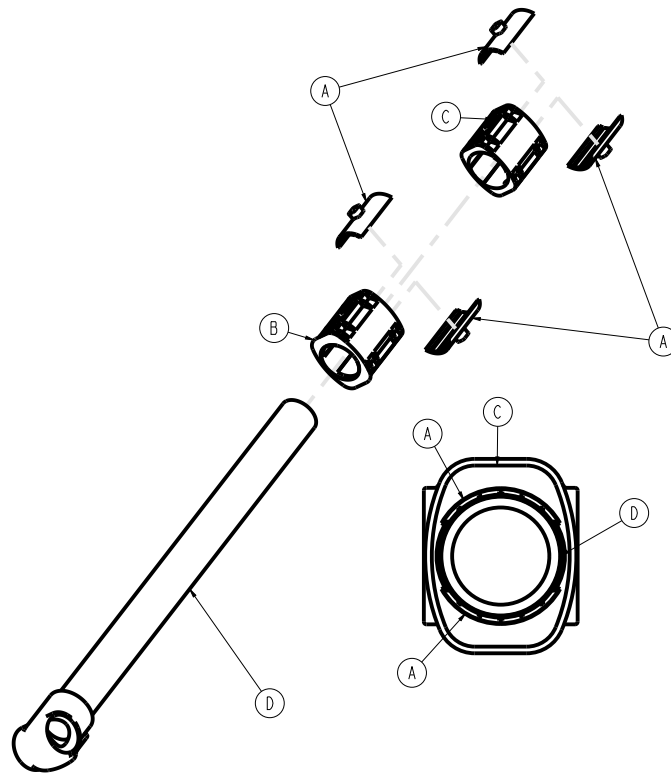
6500-301-021 Rev B (Reference only)



Item	Number	Name	Quantity
A	6500-101-327	Half shell bearing	4
B	6500-001-328	Bearing carrier, lower	1
C	6500-001-329	Bearing carrier, middle	1
D	6500-301-050	Outer lift tube weldment	1

Inner lift tube assembly, base pivot

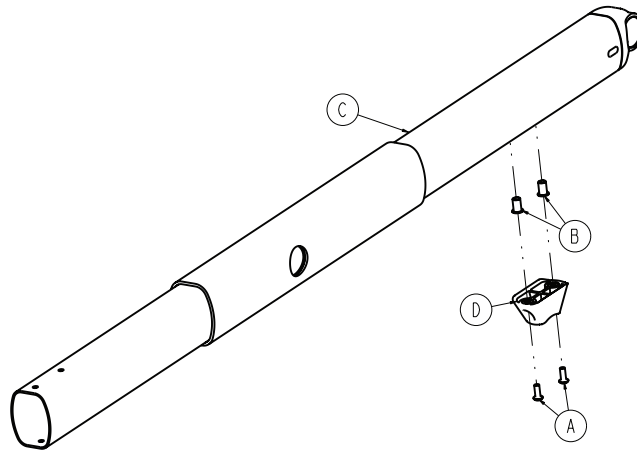
6500-301-022 Rev C (Reference only)



Item	Number	Name	Quantity
A	6500-101-327	Half shell bearing	4
B	6500-001-328	Bearing carrier, lower	1
C	6500-001-329	Bearing carrier, middle	1
D	6500-301-051	Lift tube weldment, base pivot	1

Inner lift tube, litter pivot, patient right assembly

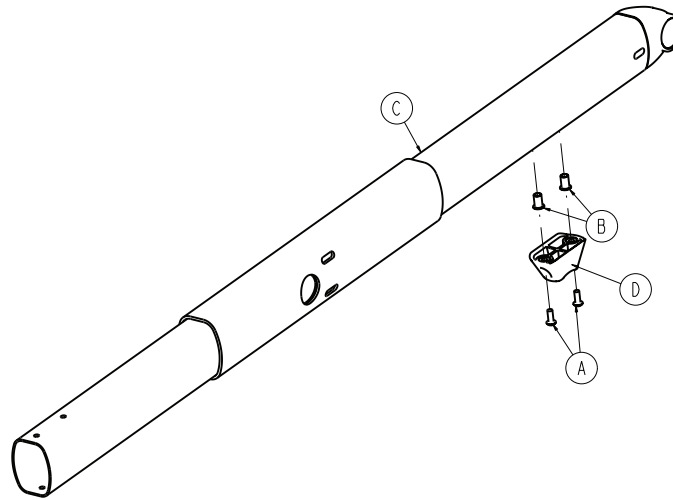
6500-001-034 Rev F (Reference only)



Item	Number	Name	Quantity
A	0004-634-000	Button head cap screw	2
B	0055-100-075	Nut	2
C	6500-001-355	Inner lift tube weldment	1
D	6500-001-125	Dead stop	1

Inner lift tube, litter pivot, patient left assembly

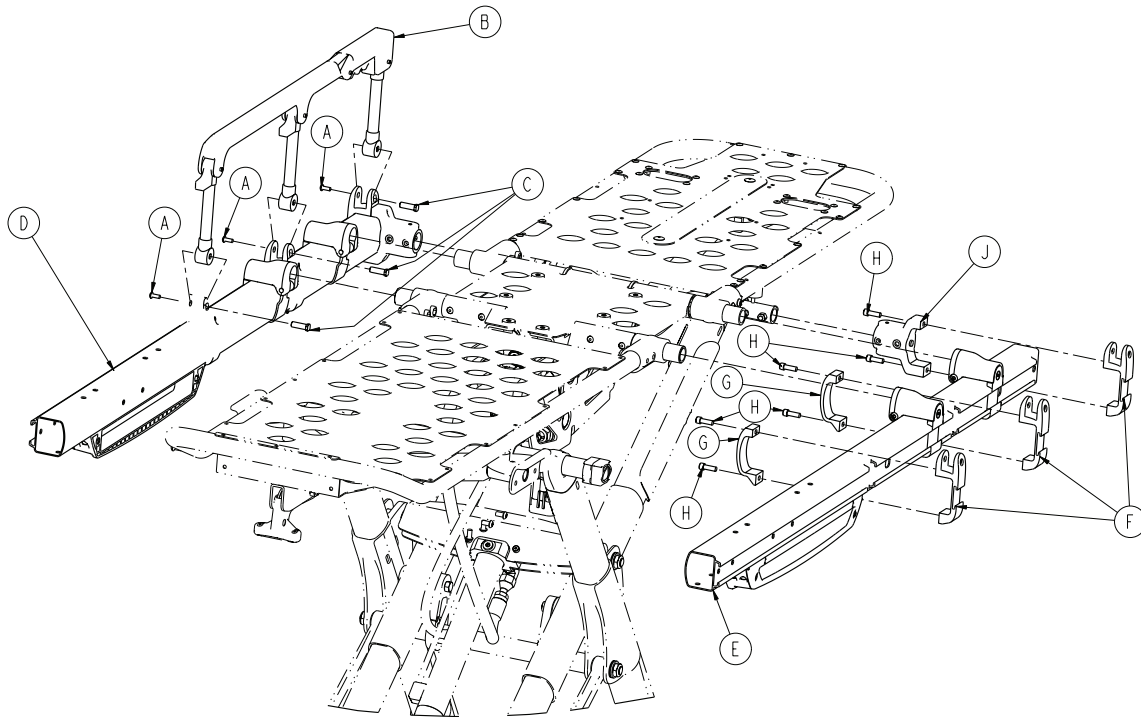
6500-001-035 Rev F (Reference only)



Item	Number	Name	Quantity
A	0004-634-000	Button head cap screw	2
B	0055-100-075	Nut	2
C	6500-301-053	Inner lift tube weldment	1
D	6500-001-125	Dead stop	1

Standard siderail option - 6506-031-000

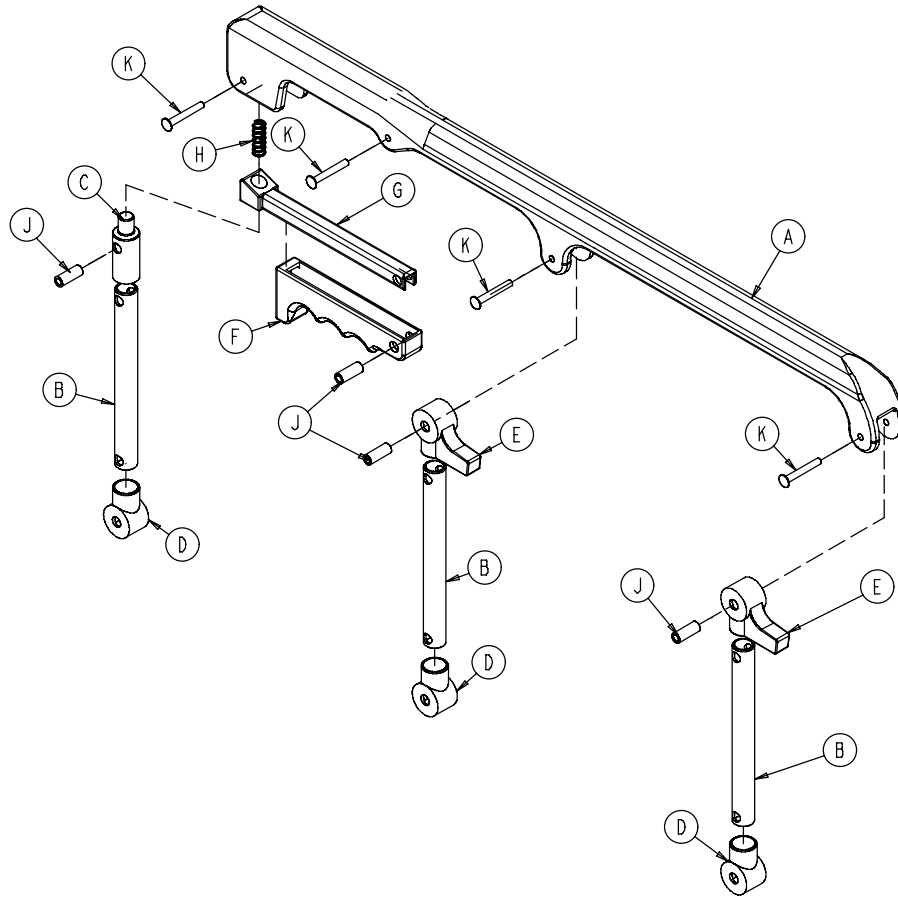
Rev B (Reference only)



Item	Number	Name	Quantity
A	0004-585-000	Button head cap screw	6
B	6082-026-010	Siderail assembly (page 67)	2
C	6500-001-118	Siderail nut	6
D	6500-002-032	Outer rail sub assembly, patient right (page 68)	1
E	6500-002-033	Outer rail sub assembly, patient left (page 69)	1
F	6500-001-116	Siderail bracket	6
G	6500-001-117	Siderail clamp	4
H	0004-591-000	Socket head cap screw	12
J	6500-001-102	Base/litter interface bracket	2

Siderail assembly

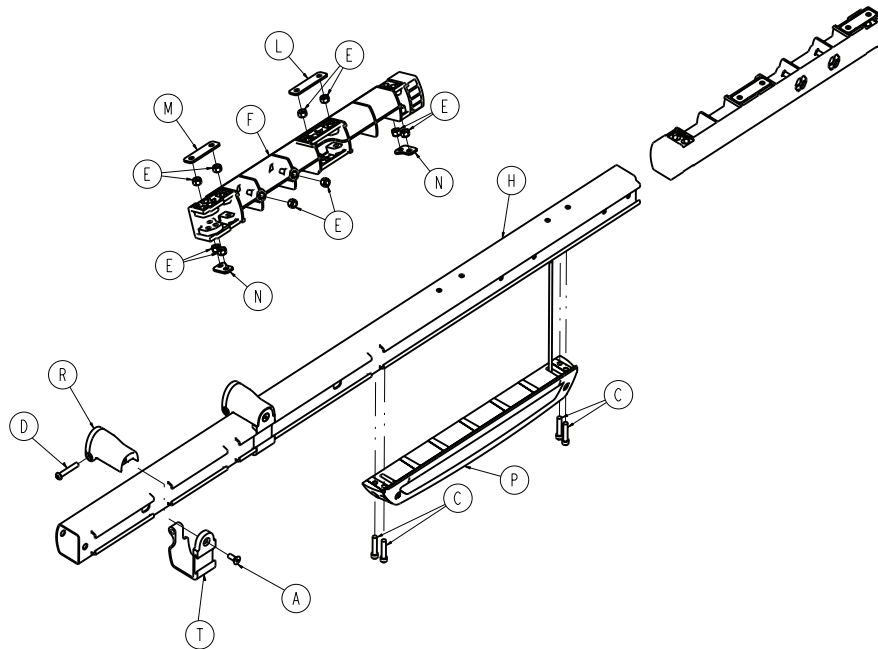
6082-026-010 Rev B (Reference only)



Item	Number	Name	Quantity
A	6060-025-024	Top rail	1
B	6060-025-043	Spindle	3
C	6060-025-047	Spindle lock	1
D	6060-025-041	Spindle pivot	3
E	6060-025-040	Spindle pivot stop	2
F	6060-025-029	Lock release grip	1
G	6061-125-030	Lock bar casting	1
H	0038-344-000	Lock release compression spring	1
J	6060-025-035	Pivot bushing	4
K	0025-131-000	Rivet	4

Outer rail sub assembly, patient right

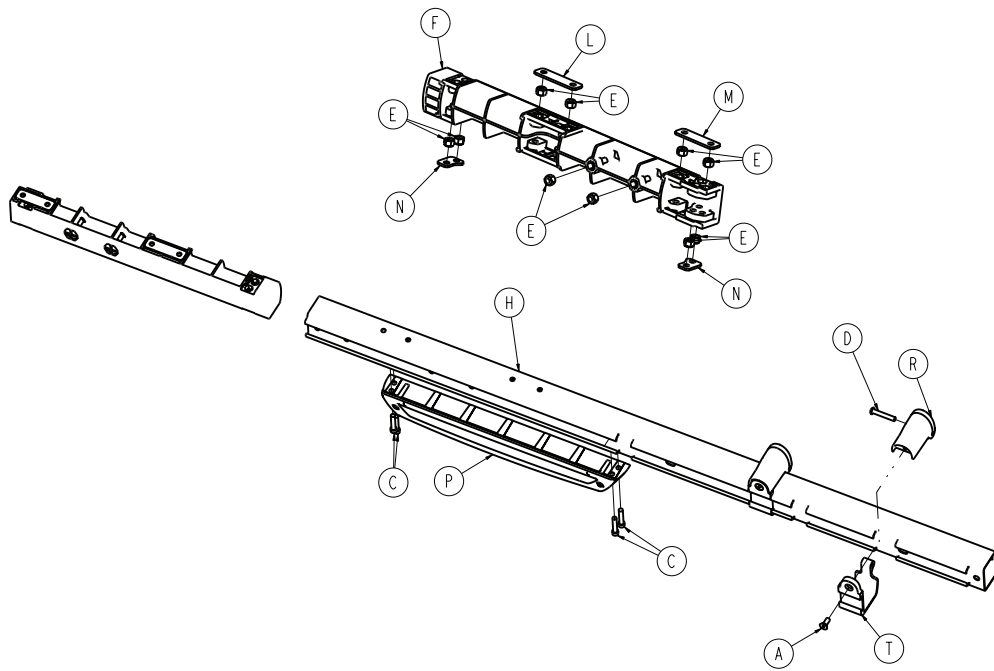
6500-002-032 Rev C (Reference only)



Item	Number	Name	Quantity
A	0001-004-011	Flat head cap screw	2
C	0004-613-000	Socket head cap screw	4
D	0004-848-000	Button head cap screw	2
E	0016-028-000	Fiberlock hex nut	10
F	6500-001-098	Litter dead stop, internal	1
H	6500-001-114	Outer rail extrusion	1
L	6500-001-243	IV pole backer plate	1
M	6500-001-244	IV clip backer plate	1
N	6500-001-245	Sensor housing backer plate	2
P	6500-002-028	<i>Hall sensor assembly (page 70)</i>	1
R	6500-002-130	Litter support bracket	2
T	6500-002-131	Litter support bracket, inner	2

Outer rail sub assembly, patient left

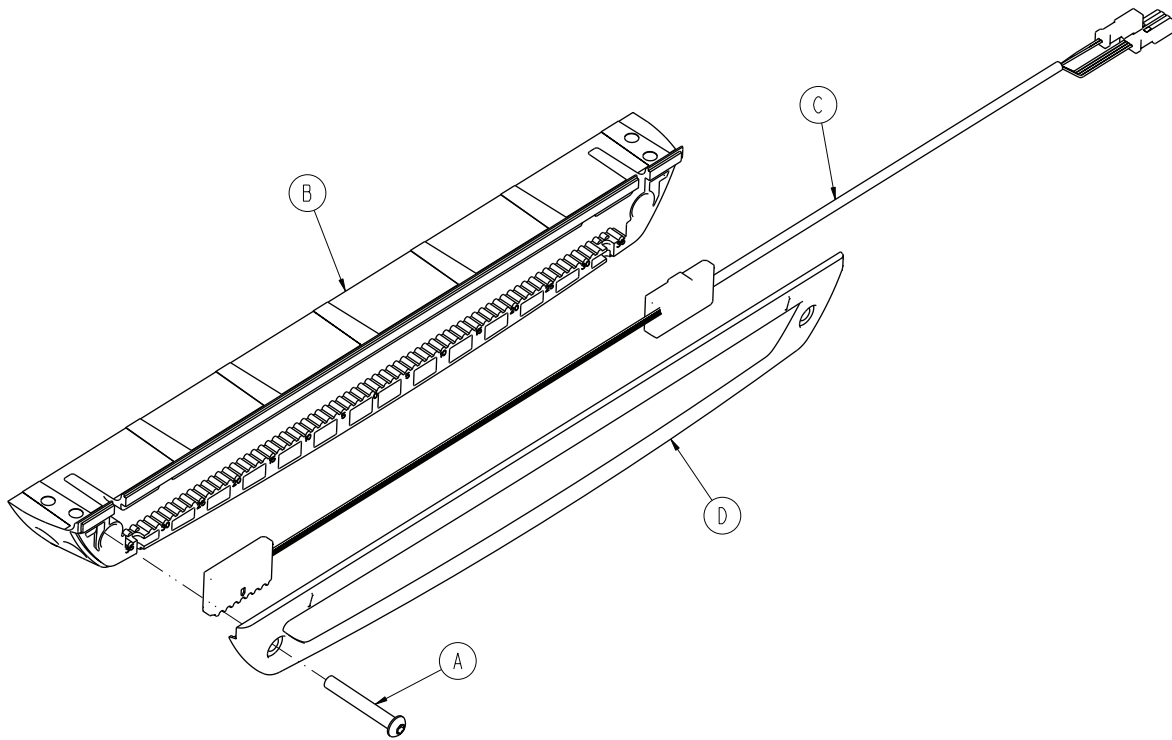
6500-002-033 Rev C (Reference only)



Item	Number	Name	Quantity
A	0001-004-011	Flat head cap screw	2
C	0004-613-000	Socket head cap screw	4
D	0004-848-000	Button head cap screw	2
E	0016-028-000	Fiberlock hex nut	10
F	6500-001-098	Litter dead stop, internal	1
H	6500-001-115	Outer rail, right	1
L	6500-001-243	IV pole backer plate	1
M	6500-001-244	IV clip backer plate	1
N	6500-001-245	Sensor housing backer plate	2
P	6500-002-029	<i>Sensor housing assembly (page 71)</i>	1
R	6500-002-130	Litter support bracket	2
T	6500-002-131	Litter support bracket, inner	2

Hall sensor assembly

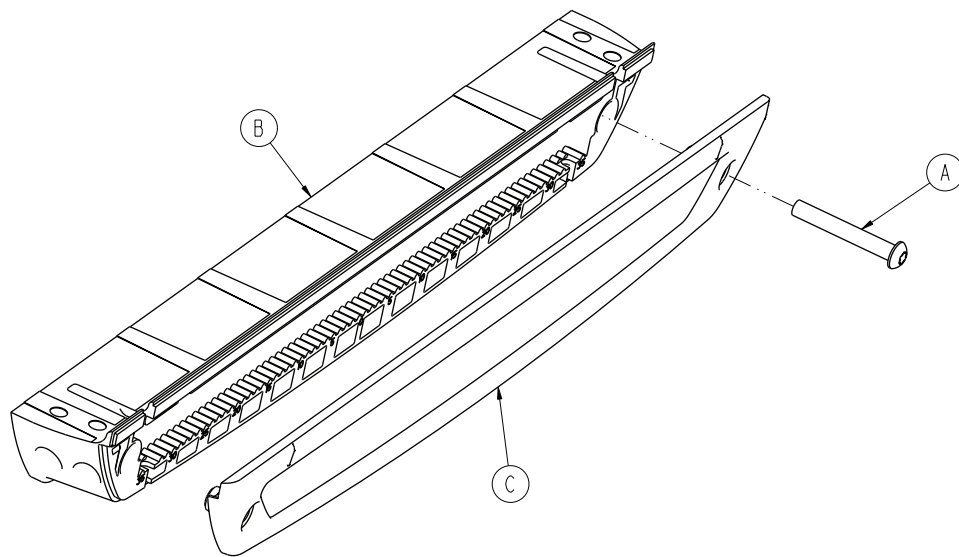
6500-002-028 Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-596-000	Button head cap screw	1
B	6500-001-124	Sensor housing	1
C	6500-001-160	Hall effects sensor	1
D	6500-001-199	Housing cover	1

Sensor housing assembly

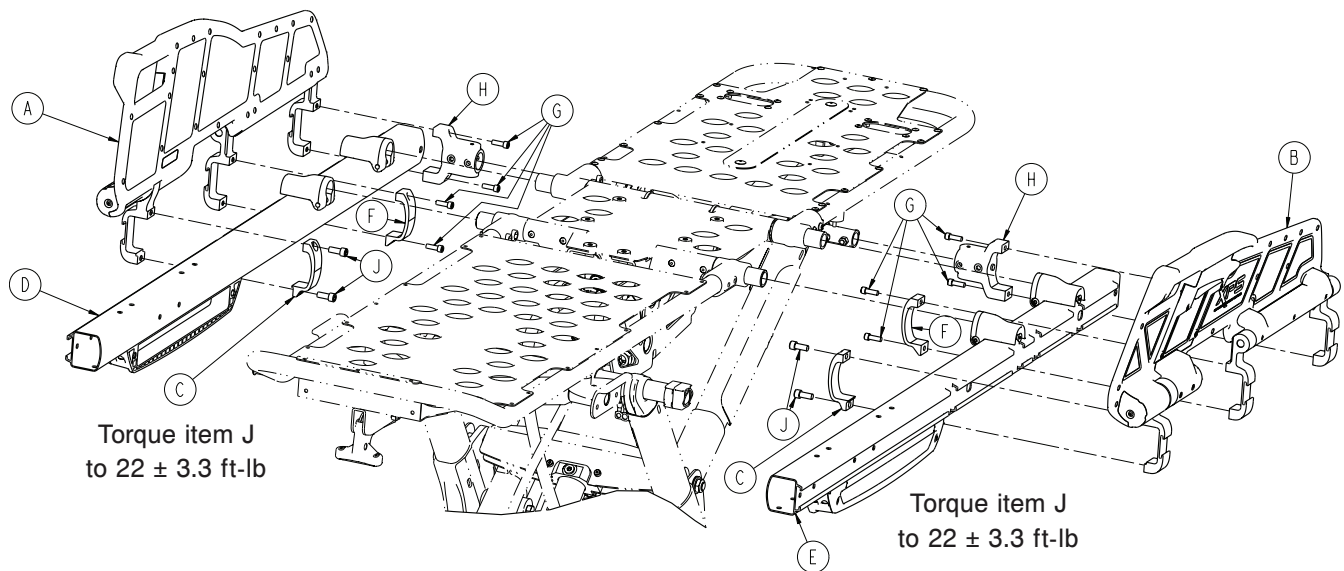
6500-002-029 Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-596-000	Button head cap screw	1
B	6500-001-124	Sensor housing	1
C	6500-001-199	Housing cover	1

XPS siderail option - 6506-040-000

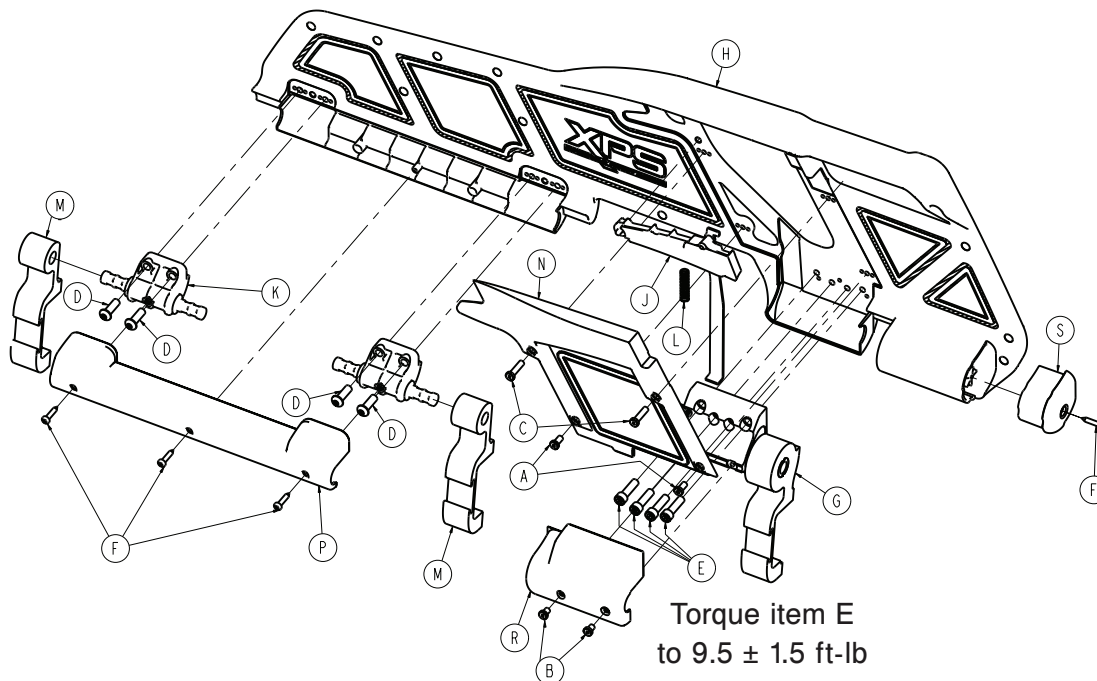
Rev A (Reference only)



Item	Number	Name	Quantity
A	6500-003-034	XPS main assembly, patient right (page 73)	1
B	6500-003-044	XPS main assembly, patient left (page 74)	1
C	6500-003-099	XPS siderail clamp	2
D	6500-002-032	Outer rail sub assembly, patient right (page 68)	1
E	6500-002-033	Outer rail sub assembly, patient left (page 69)	1
F	6500-001-117	Siderail clamp	2
G	0004-591-000	Socket head cap screw	8
H	6500-001-102	Base/litter interface bracket	2
J	0004-900-000	Socket head cap screw	4

XPS main assembly, patient right

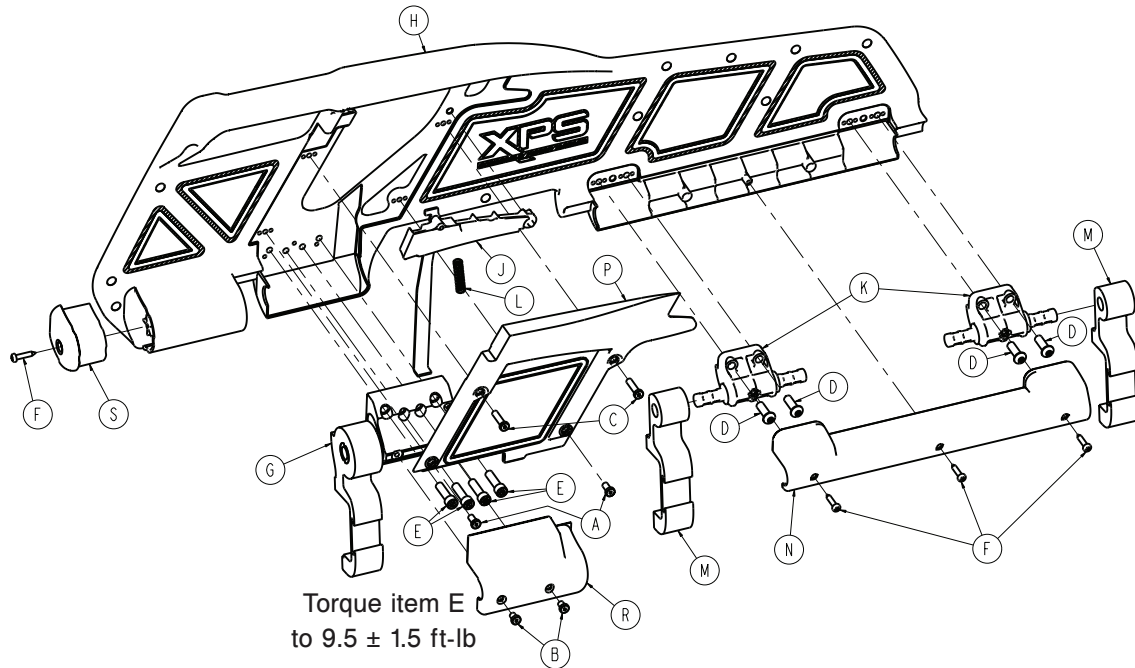
6500-003-034 Rev C (Reference only)



Item	Number	Name	Quantity
A	0004-400-000	Socket head cap screw	2
B	0004-402-000	Socket head cap screw	2
C	0004-403-000	Socket head cap screw	2
D	0004-468-000	Button head cap screw	4
E	0004-661-000	Socket head cap screw	4
F	0023-297-000	Delta screw	4
G	6500-003-035	XPS ratchet assembly, patient right	1
H	6500-003-037	XPS overmold assembly, patient right	1
J	6500-003-043	XPS handle assembly, patient right	1
K	6500-003-084	Support pivot	2
L	6500-003-085	XPS spring handle	1
M	6500-003-086	XPS siderail pivot	2
N	6500-003-094	XPS release cover, patient right	1
P	6500-003-097	XPS pivot cover	1
R	6500-003-119	XPS ratchet cover, patient right/patient left	1
S	6500-003-121	End cap cover, patient right	1

XPS main assembly, patient left

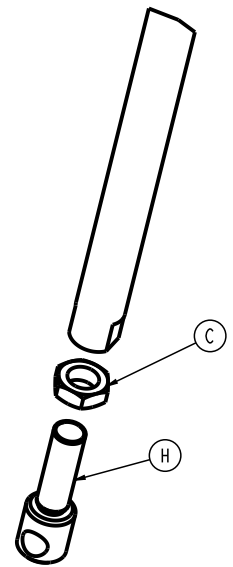
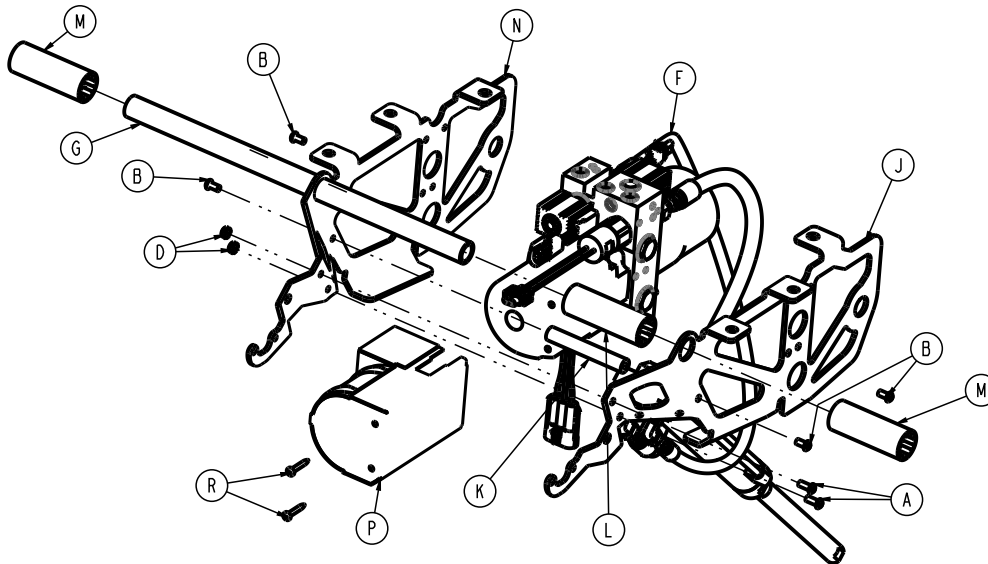
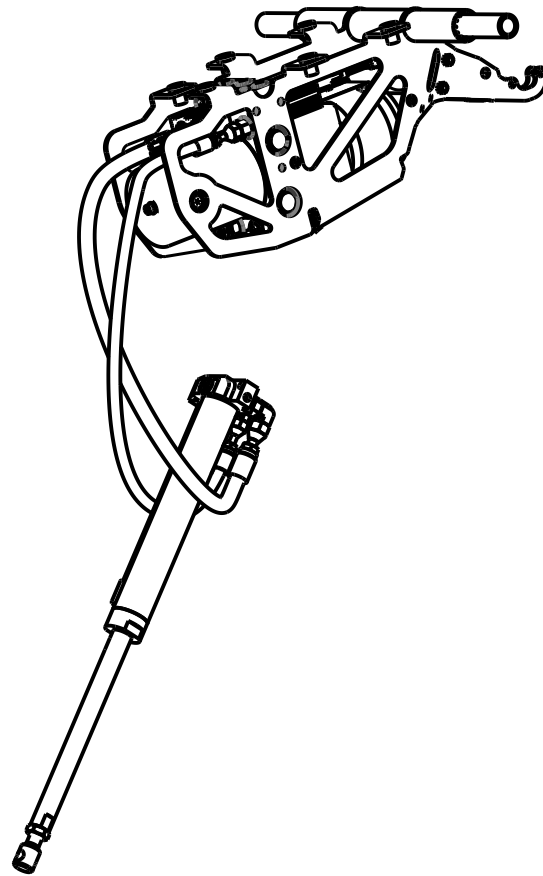
6500-003-044 Rev C (Reference only)

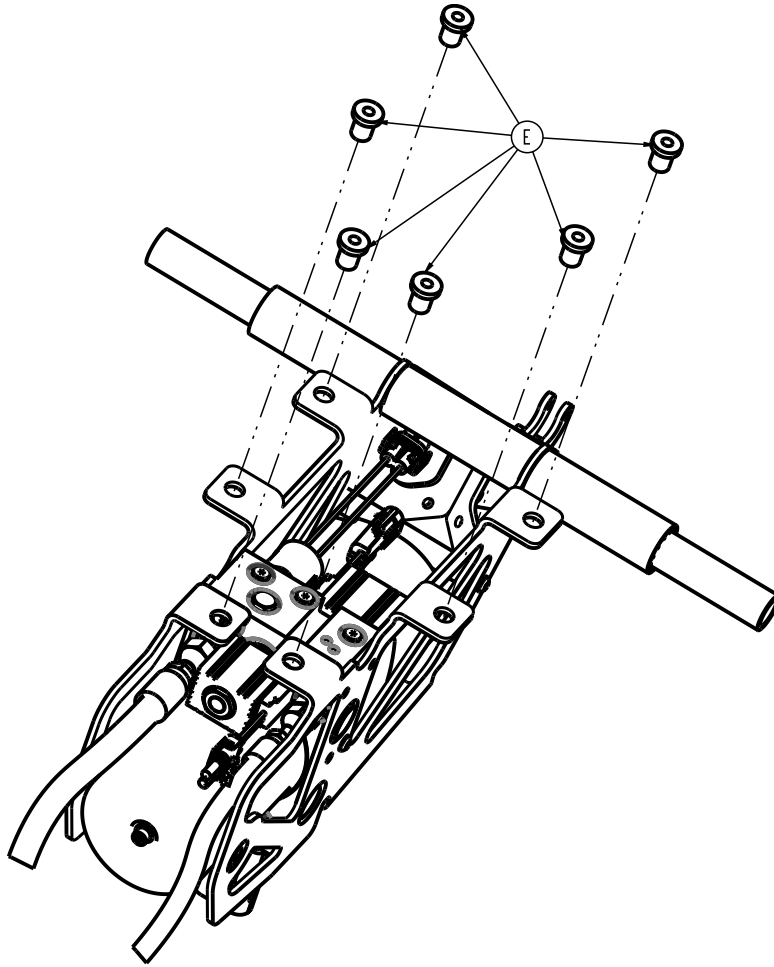


Item	Number	Name	Quantity
A	0004-400-000	Socket head cap screw	2
B	0004-402-000	Socket head cap screw	2
C	0004-403-000	Socket head cap screw	2
D	0004-468-000	Button head cap screw	4
E	0004-661-000	Socket head cap screw	4
F	0023-297-000	Delta screw	4
G	6500-003-036	XPS ratchet assembly, patient right	1
H	6500-003-038	XPS overmold assembly, patient right	1
J	6500-003-045	XPS handle assembly, patient right	1
K	6500-003-084	Support pivot	2
L	6500-003-085	XPS spring handle	1
M	6500-003-086	XPS siderail pivot	2
N	6500-003-097	XPS pivot cover	1
P	6500-003-102	XPS release cover, patient left	1
R	6500-003-120	XPS ratchet cover, patient right/patient left	1
S	6500-003-122	End cap cover, patient right	1

Power assembly

6500-002-031 Rev D (Reference only)

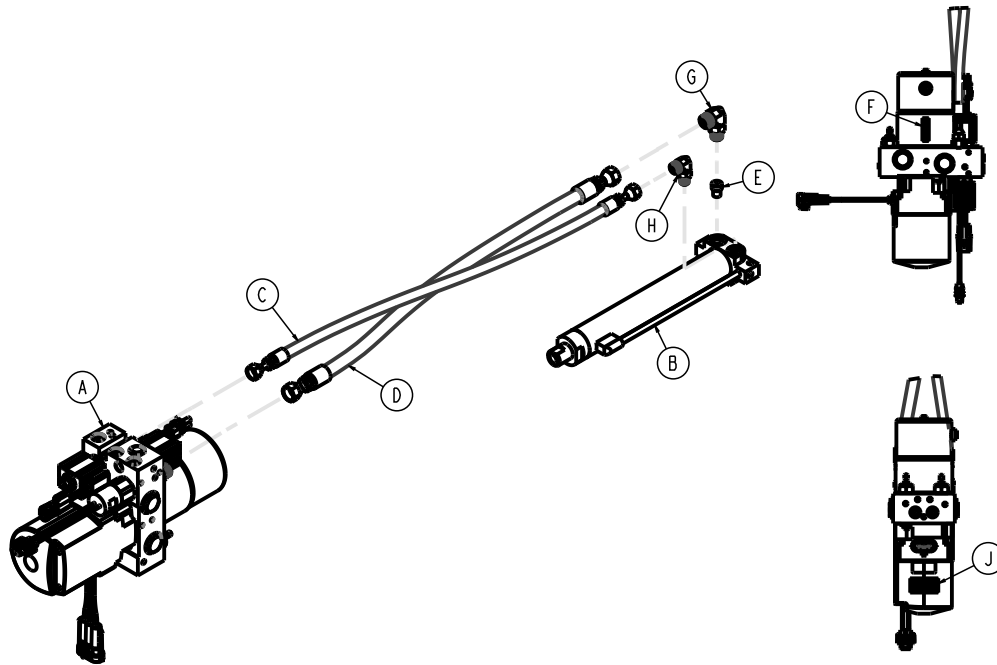




Item	Number	Name	Quantity
A	0004-577-000	Button head cap screw	2
B	0004-589-000	Button head cap screw	4
C	0015-052-000	Hex jam nut	1
D	0016-102-000	Nylock hex nut	2
E	0055-100-074	Well nut	6
F	6500-101-030	Hydraulic sub assembly (page 77)	1
G	6500-001-105	Litter support cross tube	1
H	6500-001-169	Cylinder rod end	1
J	6500-002-194	Motor mount, right	1
K	6500-001-212	Motor mount cross bar	1
L	6500-001-249	Plastic extrusion spacer	1
M	6500-001-250	Plastic extrusion spacer	2
N	6500-002-294	Motor mount, left	1
P	6506-001-820	Motor can weldment	1
R	0023-333-000	Pan head sheet metal screw	2

Hydraulic sub assembly

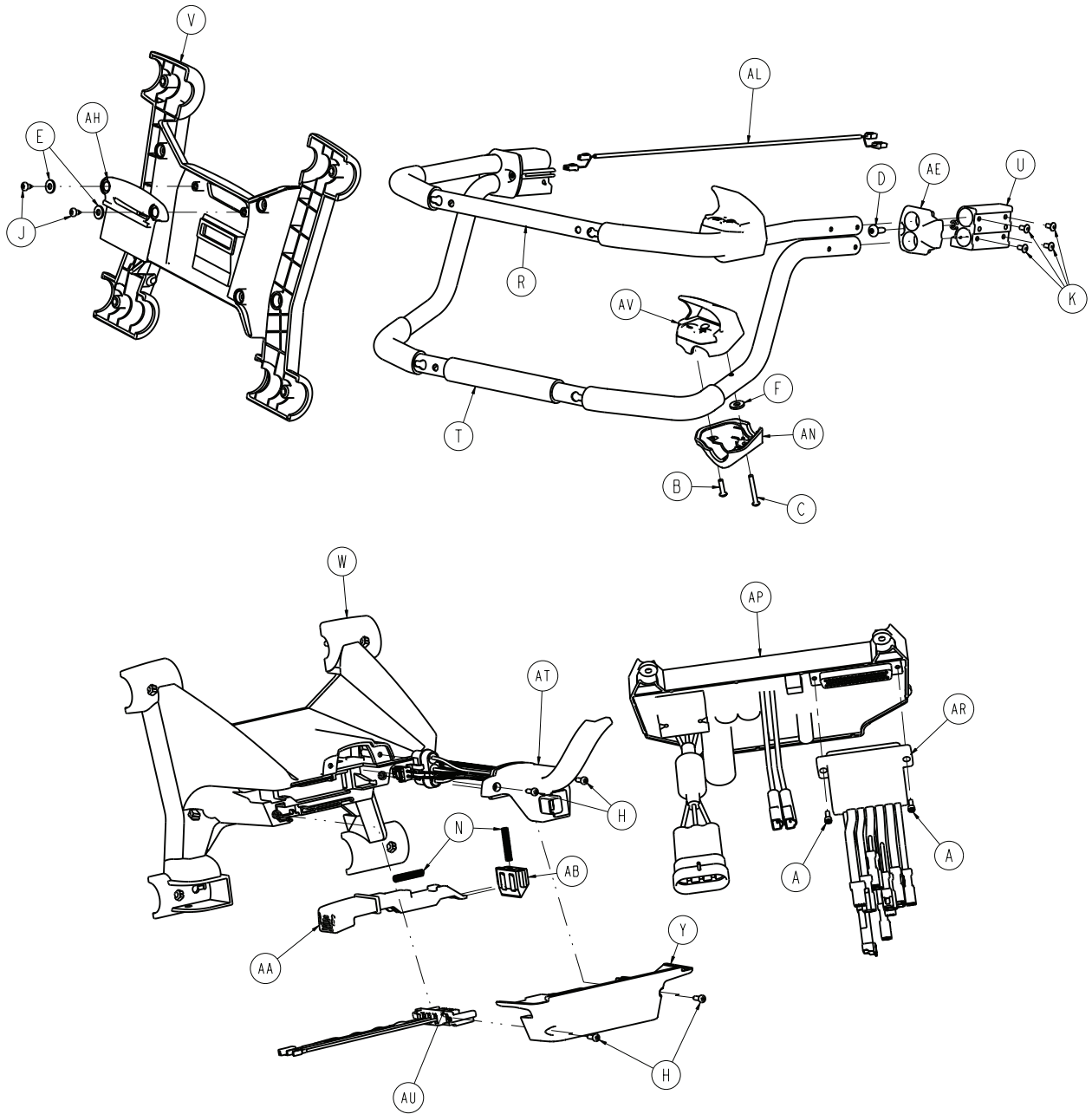
6500-101-030 Rev AC (Reference only)

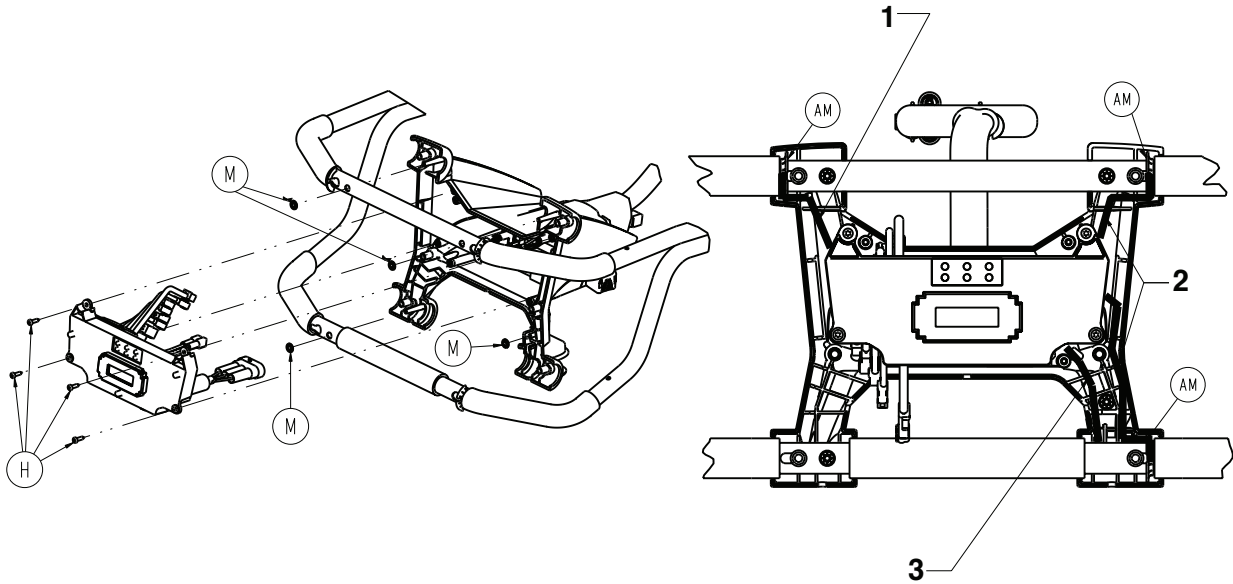


Item	Number	Name	Quantity
A	6500-101-214	Manifold assembly	1
B	6500-002-034	Hydraulic cylinder assembly	1
C	6500-001-211	Hydraulic hose assembly	1
D	6500-001-210	Hydraulic hose	1
E	Depatie 8506-1.9	Vonberg velocity fuse	1
F	Depatie fusion bar code label	Label, serial number	1
G	6500-001-296	Cap side hose fitting, cylinder	1
H	6500-001-297	Rod side hose fitting, cylinder	1
J	Depatie PPQC label	Label, quality control	1

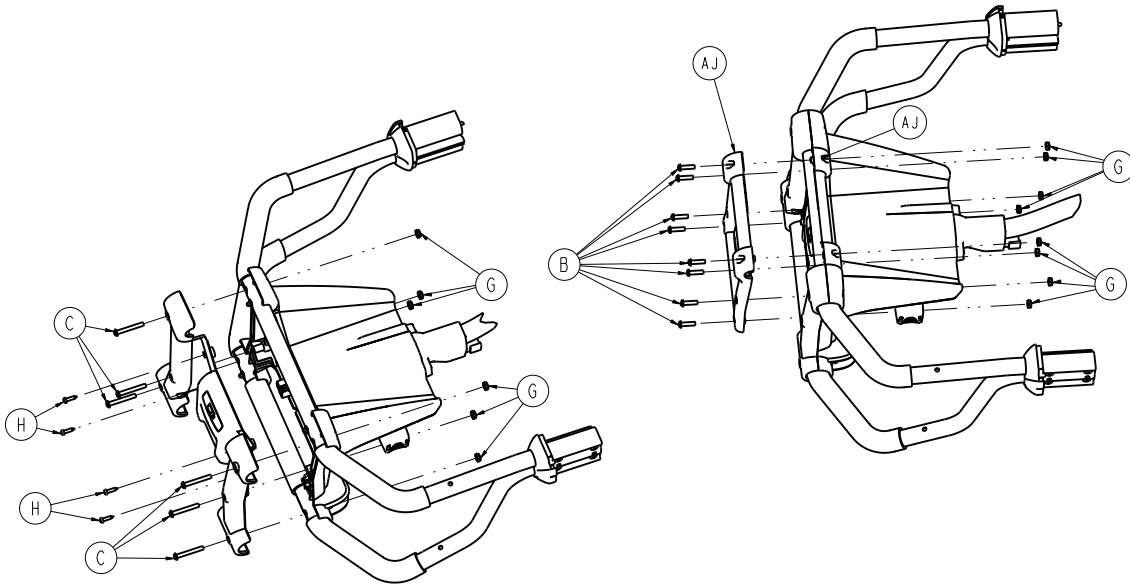
Foot end assembly

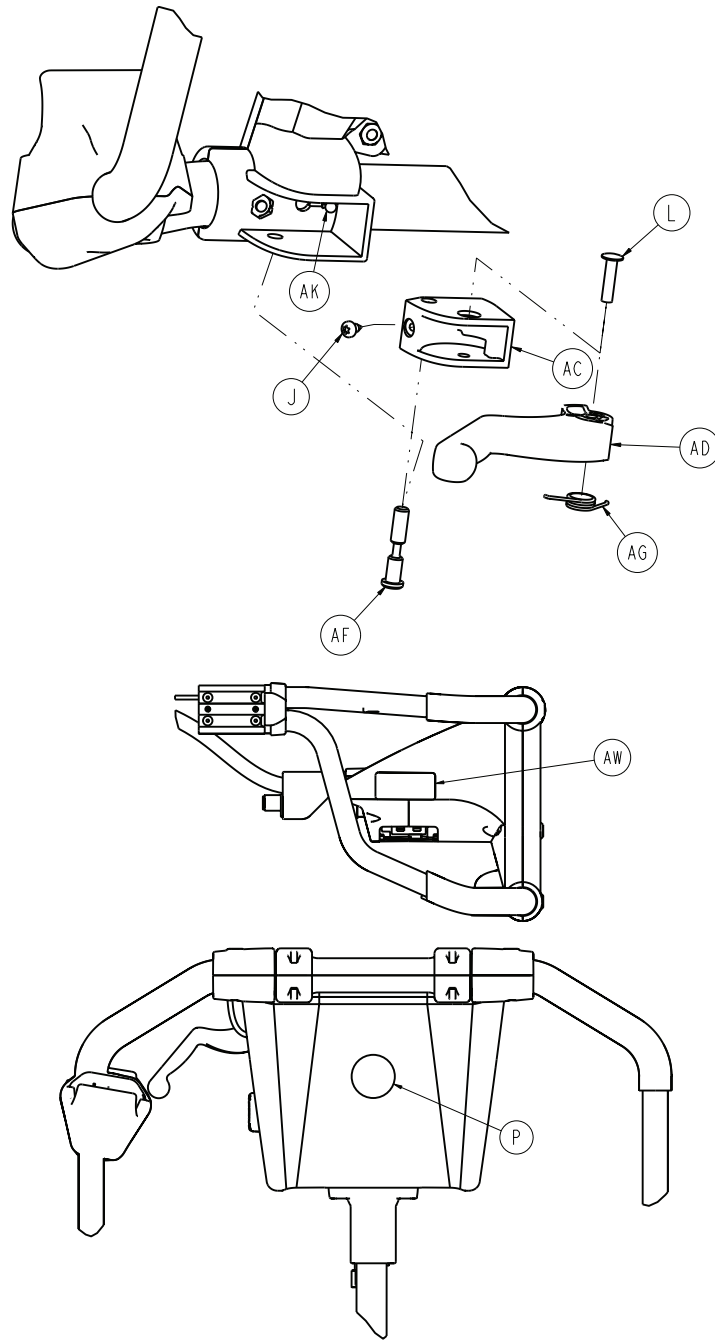
6500-102-015 Rev AA (Reference only)





1	Route hall sensor cable around item (AM) and through this area
2	Route switch cables around item (AM) and through this area
3	Route manual release cable through this area



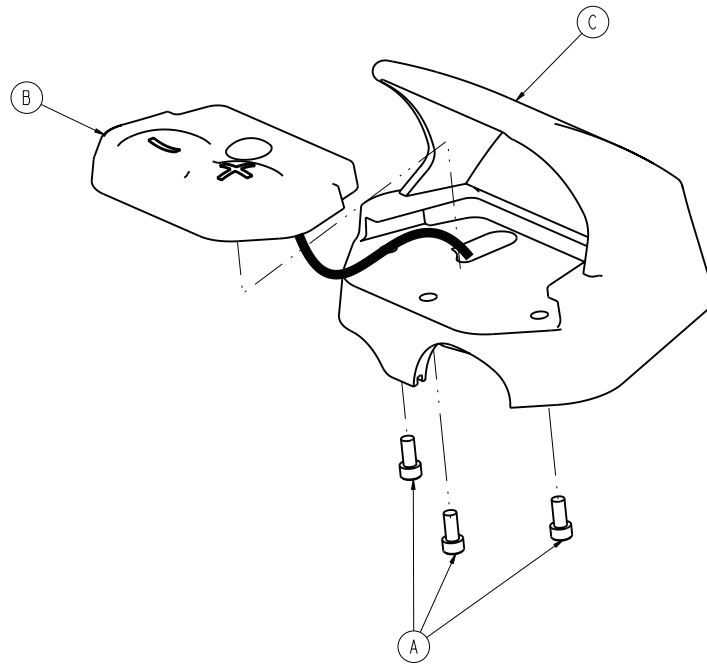


Item	Number	Name	Quantity
A	0004-874-000	Socket head cap screw	2
B	0004-614-000	Button head cap screw	10
C	0004-615-000	Button head cap screw	8
D	0007-086-000	Truss head screw	2
E	0011-062-000	Washer	2
F	0011-543-000	Washer	2
G	0016-131-000	Nylock hex nut	14
H	0023-162-000	Delta screw	12
J	0023-163-000	Delta screw	3
K	0025-079-000	Dome head rivet	8

Item	Number	Name	Quantity
L	0025-187-000	Semi-tubular rivet	1
M	0028-116-000	Push nut	4
N	0038-572-000	Compression spring	2
P	6506-001-900	Label, refer to instruction manual	1
R	6500-001-131	Upper lifting bar	1
T	6500-001-132	Lower lift bar	1
U	6500-001-133	Machined extruded bracket	2
V	6500-001-134	Battery enclosure, face plate	1
W	6500-001-135	Foot end enclosure, top plate	1
Y	6500-001-136	Foot end enclosure, bottom plate	1
AA	6500-001-138	Battery release button	1
AB	6500-001-139	Battery release lock	1
AC	6500-001-140	Manual release actuator pivot	1
AD	6500-001-141	Manual release actuator lever	1
AE	6500-001-144	Transition cap	2
AF	6500-001-146	Manual release pivot pin	1
AG	6500-001-147	Single spring	1
AH	6500-001-153	Light panel orb	1
AJ	6500-001-154	Pull handle, outside	2
AK	6500-001-156	Manual release cable assembly	1
AL	6500-001-161	Hall effects cable	1
AM	6500-001-275	Wire route clip	3
AN	6500-001-358	Lower housing button, foot end	2
AP	6500-102-014	Control board assembly	1
AR	6500-002-103	Cot dongle	1
AT	6500-002-159	Cable assembly	1
AU	6500-102-216	Cot connector cable assembly	1
AV	650600010016	<i>Button assembly (page 82)</i>	2
AW	6500-001-356	Label, SMRT power	1

Button assembly

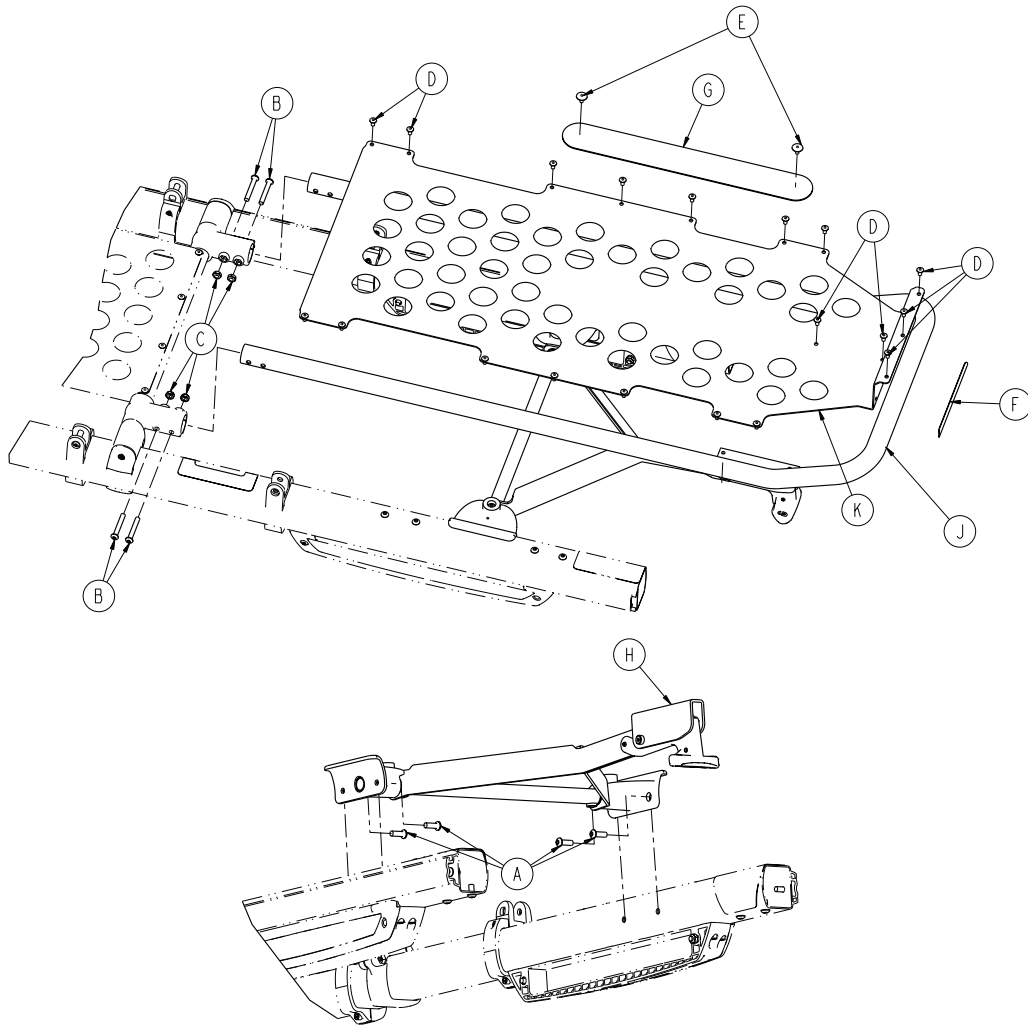
650600010016 Rev AA (Reference only)



Item	Number	Name	Quantity
A	37J102-1	Socket head cap screw	3
B	650600010130	Switch	1
C	6500-001-359	Button upper housing, foot end	1

Trend option - 6085-031-000

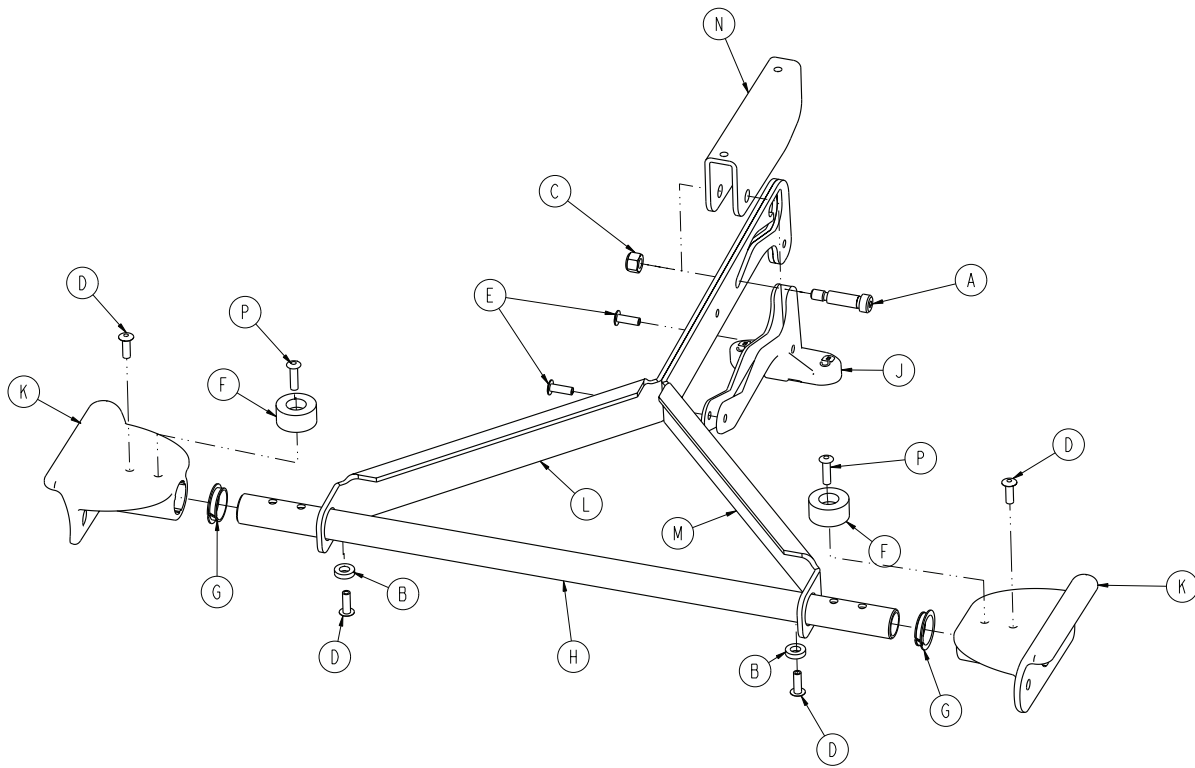
Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-592-000	Button head cap screw	4
B	0004-596-000	Button head cap screw	4
C	0016-102-000	Nylock hex nut	4
D	0025-079-000	Dome head rivet	19
E	0025-132-000	Dome head rivet	2
F	6060-090-004	Label, small	1
G	6082-001-085	2" adhesive loop pole	1
H	6500-001-019	Trend assembly (page 84)	1
J	6500-001-197	Foot section tube	1
K	6500-001-198	Foot section skin	1

Trend assembly

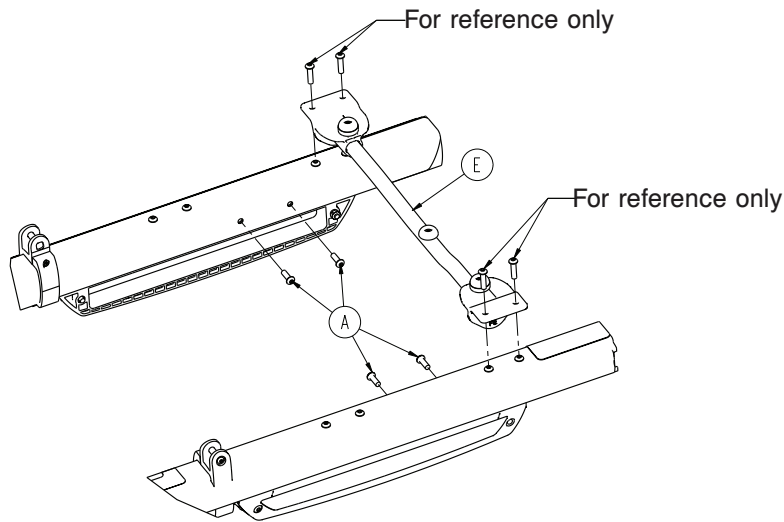
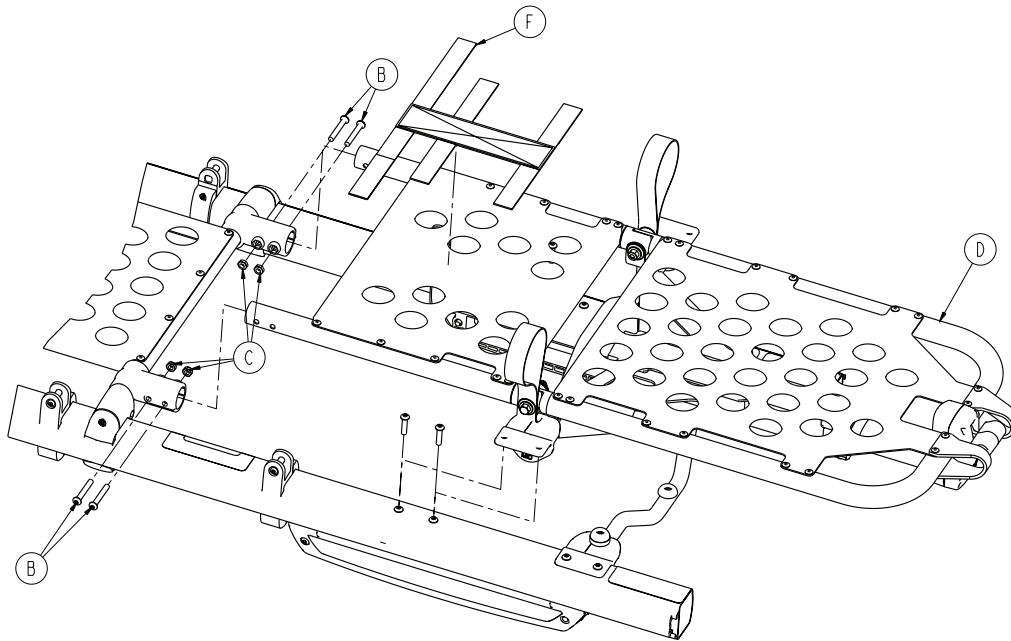
6500-001-019 Rev D (Reference only)



Item	Number	Name	Quantity
A	0008-074-000	Socket head shoulder screw	1
B	0014-067-000	Washer	2
C	0016-028-000	Hex nut	1
D	0025-133-000	Dome head rivet	4
E	0025-186-000	Semi-tubular rivet	2
F	0056-016-000	Bumper	2
G	0081-255-000	Split bearing	2
H	6500-001-107	Litter cross brace	1
J	6500-001-108	Trend release	1
K	6500-001-109	Trend support bracket	2
L	6500-001-203	Calf stand support, patient right	1
M	6500-001-204	Calf stand support, patient left	1
N	6500-001-205	Retainer, calf stand	1
P	0025-651-000	Dome head rivet	2

Gatch option - 6500-082-000

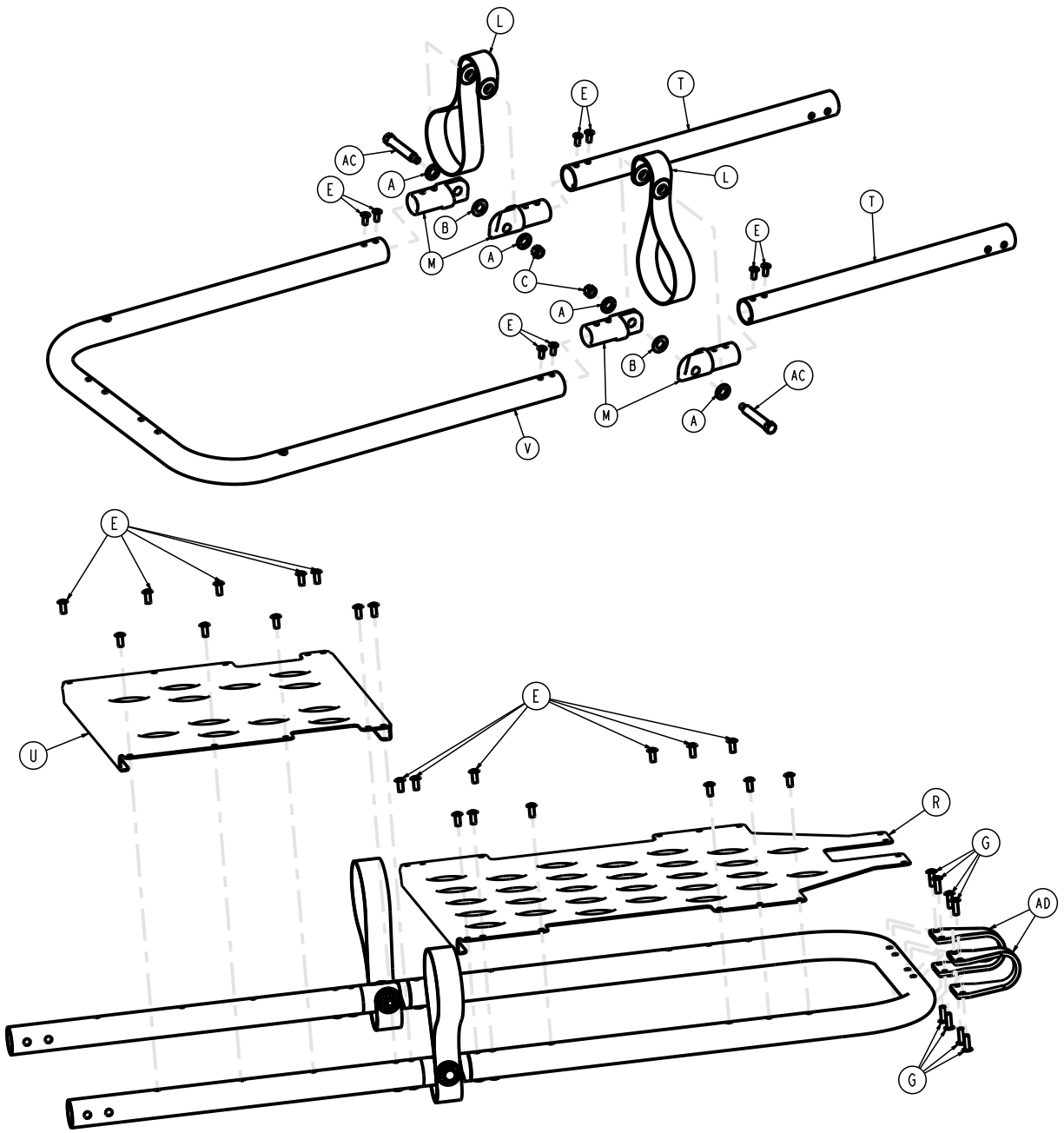
Rev A (Reference only)

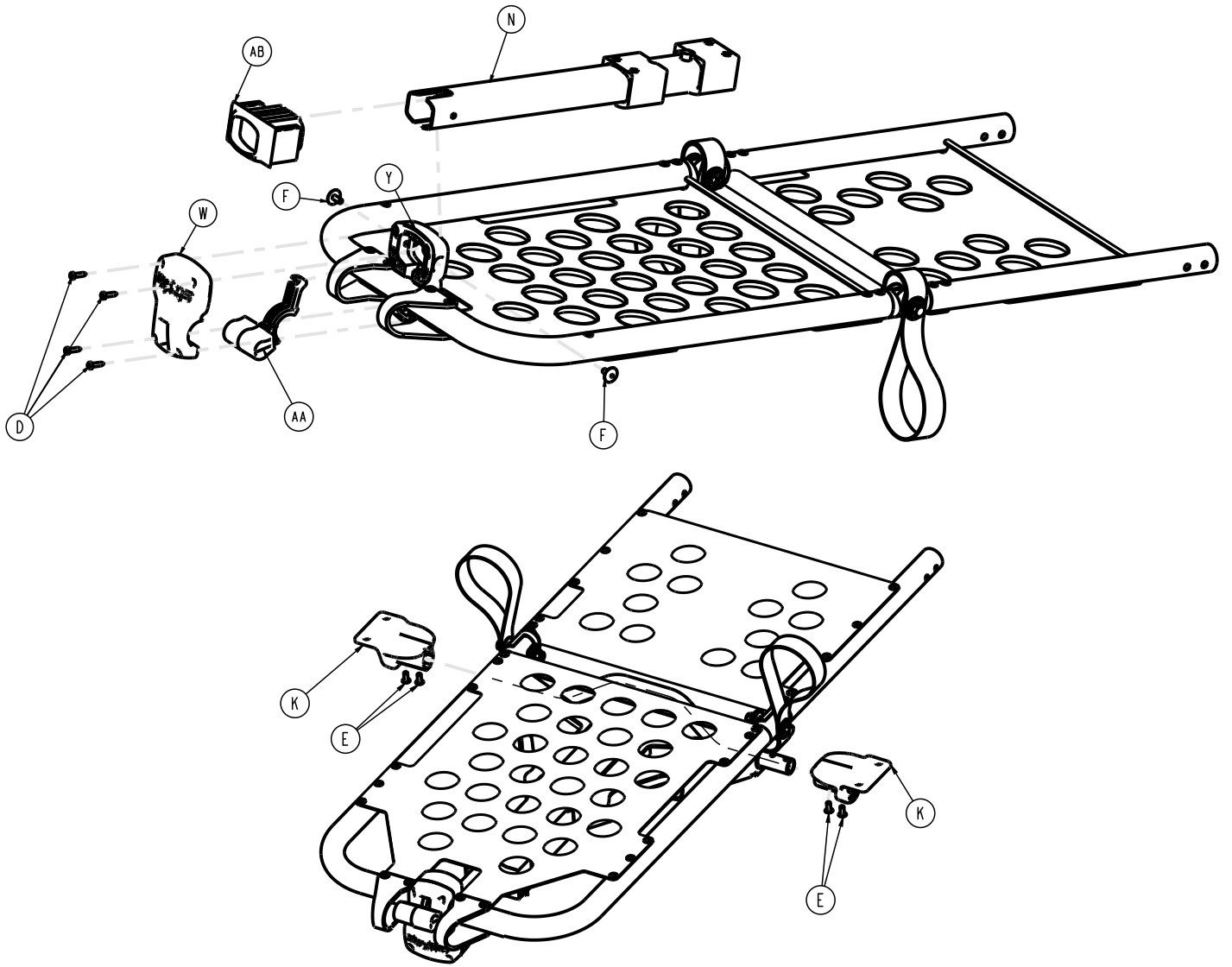


Item	Number	Name	Quantity
A	0004-592-000	Button head cap screw	4
B	0004-596-000	Button head cap screw	4
C	0016-102-000	Nylock hex nut	4
D	6500-001-048	<i>Gatch assembly</i> (page 86)	1
E	6085-001-031	<i>Gatch support assembly</i> (page 89)	1
F	6550-001-197	Velcro® strap	1

Gatch assembly

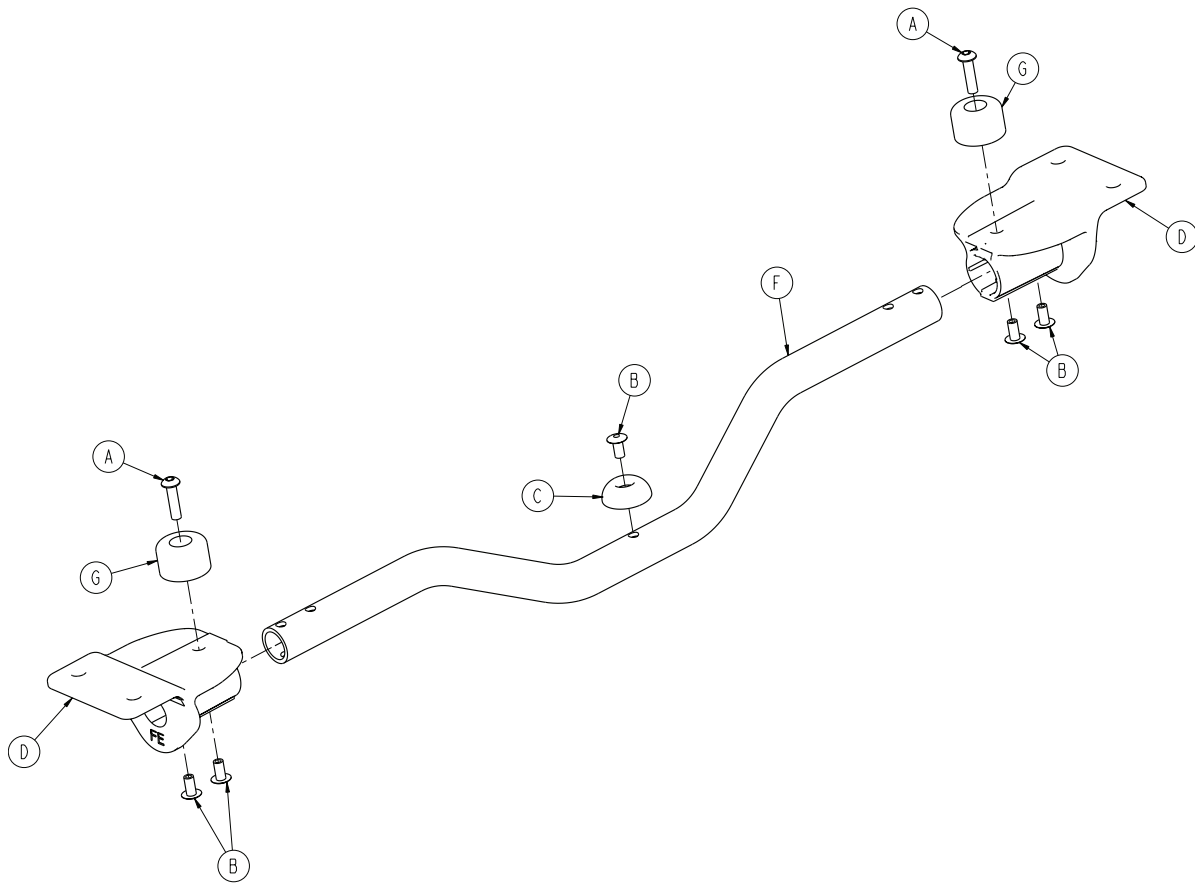
6500-001-048 Rev B (Reference only)





Gatch support assembly

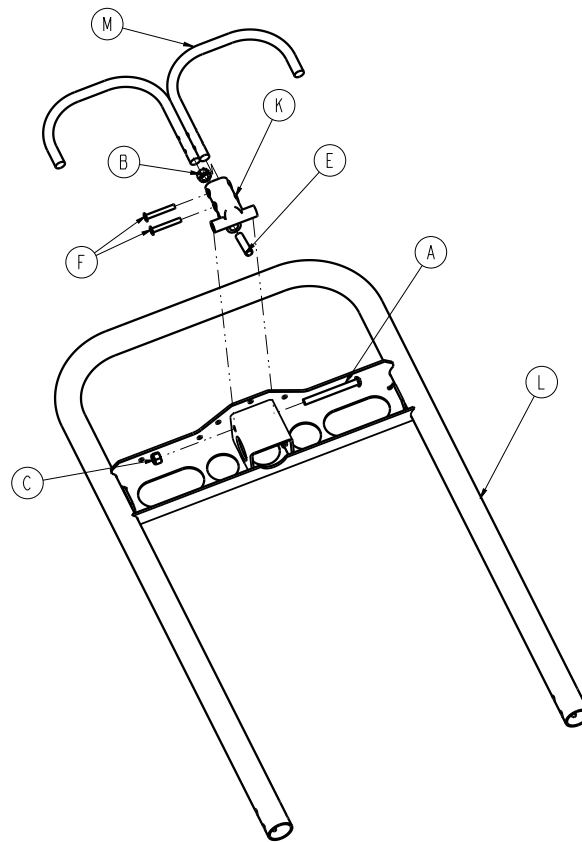
6085-001-031 Rev C (Reference only)



Item	Number	Name	Quantity
A	0004-614-000	Button head cap screw	2
B	0025-079-000	Dome head rivet	5
C	0946-001-155	Bumper	1
D	6085-001-135	Gatch support, foot end	2
F	6500-001-346	Gatch crosstube	1
G	0056-028-000	Bumper, black	2

Fowler assembly

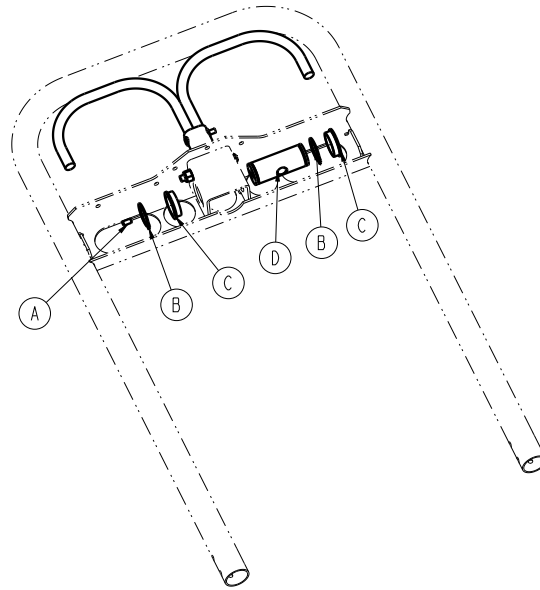
6500-001-018 Rev D (Reference only)



Item	Number	Name	Quantity
A	0004-597-000	Button head cap screw	1
B	0015-050-000	Hex nut	1
C	0016-028-000	Hex nut	1
E	0021-138-000	Set screw	1
F	0025-131-000	Rivet	2
K	6060-032-040	Fowler lift pivot	1
L	6082-032-050	Fowler weldment	1
M	6082-032-052	Release handle weldment	1

Standard Fowler option - 6506-012-003

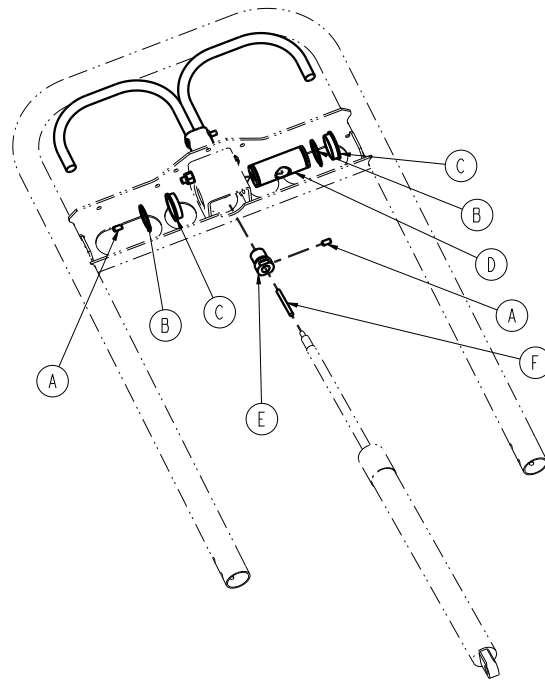
Rev A (Reference only)



Item	Number	Name	Quantity
A	0021-180-000	Set screw	1
B	0028-076-000	External retaining ring	2
C	0946-035-025	Liner	2
D	6060-032-038	Gas spring yoke	1

1865 Fowler option - 6506-012-004

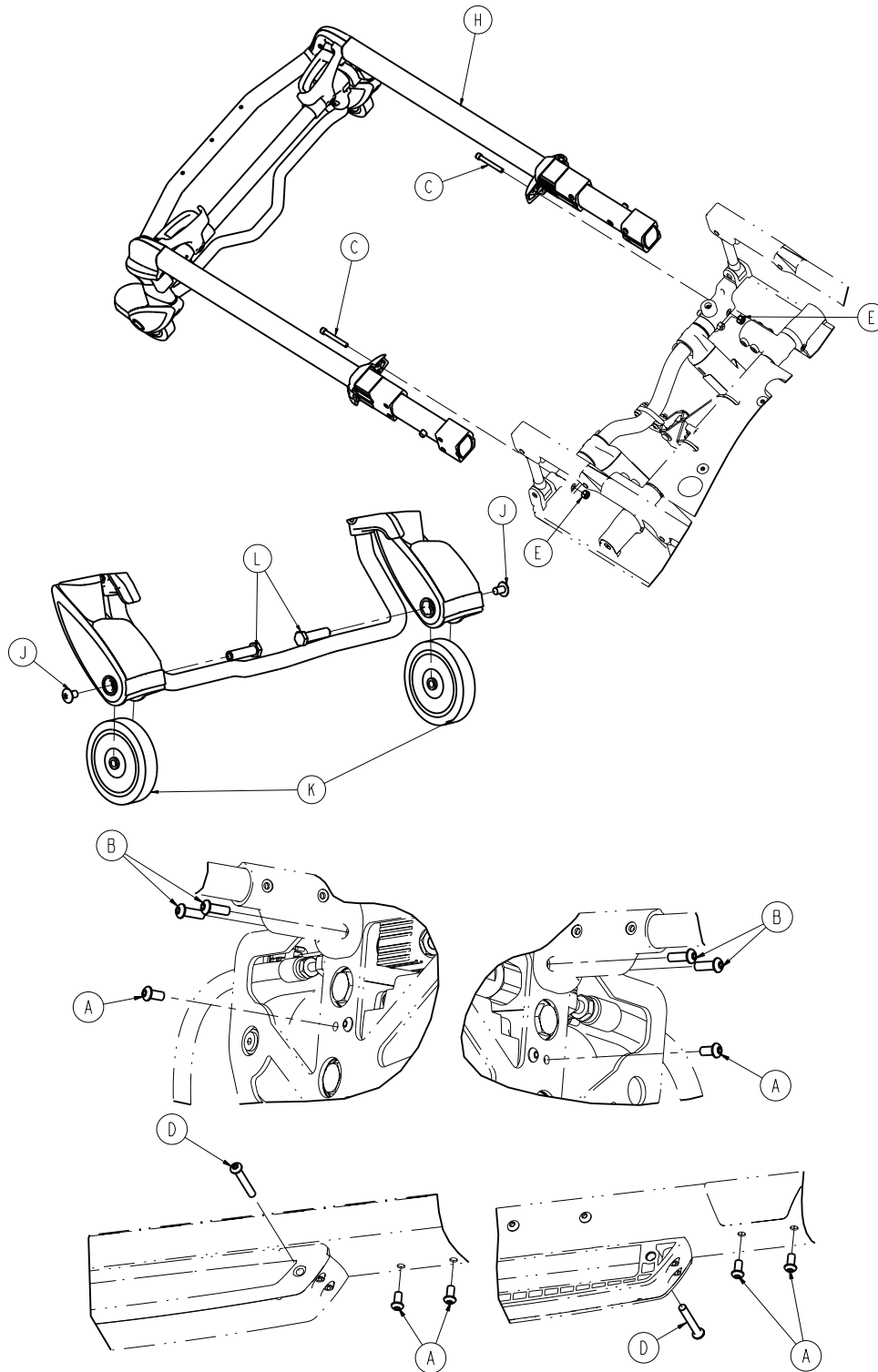
Rev A (Reference only)

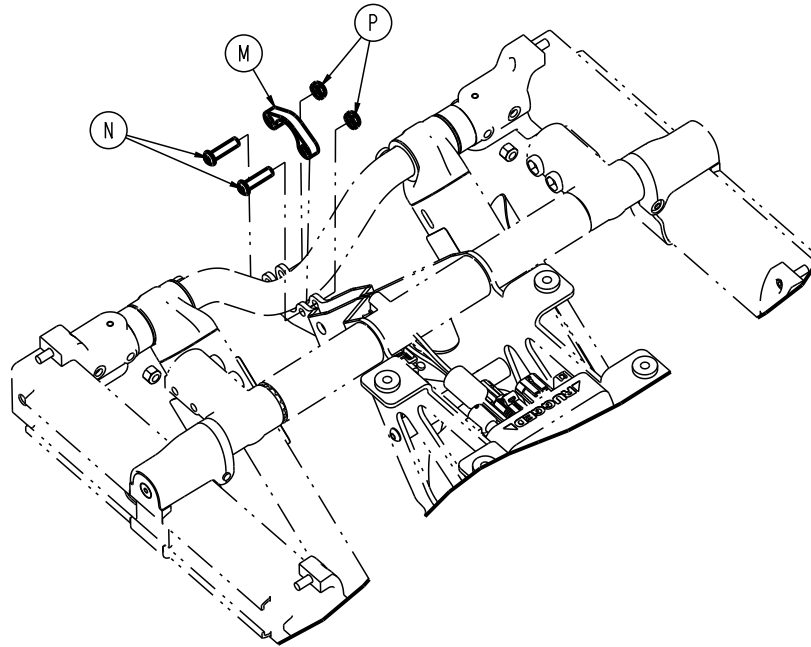
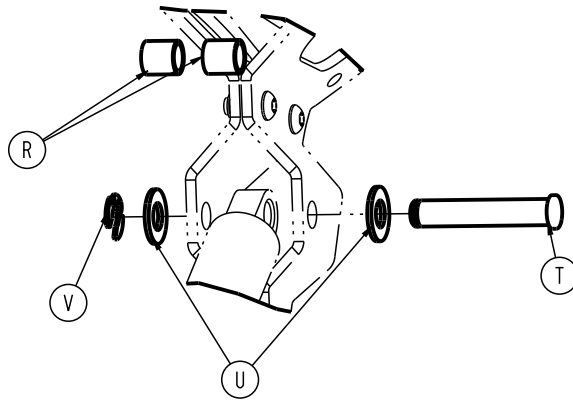


Item	Number	Name	Quantity
A	0021-180-000	Set screw	1
B	0028-076-000	External retaining ring	2
C	0946-035-025	Liner	2
D	6060-032-053	Fowler yoke	1
E	6506-012-001	Fowler extension sleeve	1
F	6506-012-002	Fowler plunger	1

Antler only head section option - 6506-029-000

Rev D (Reference only)

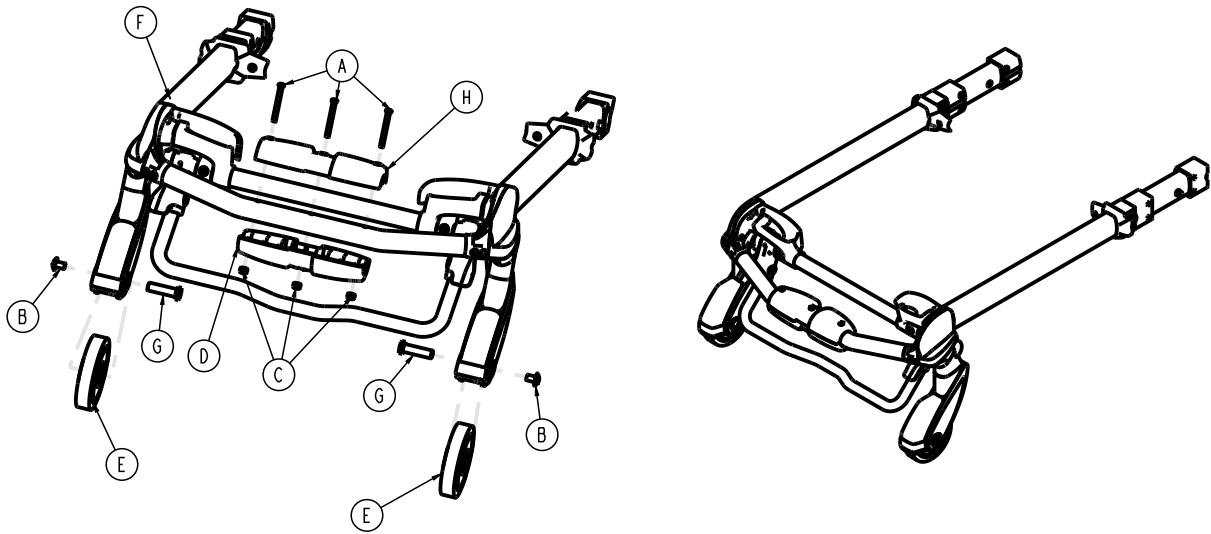




Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	6
B	0004-593-000	Button head cap screw	4
C	0004-595-000	Socket head cap screw	2
D	0004-596-000	Button head cap screw	2
E	0016-028-000	Fiberlock hex nut	2
H	650600020020	<i>Bent, antler only head section option - 650600020020 (page 100)</i>	1
J	0007-556-000	Truss head machine screw	2
K	6500-001-086	Wheel, front	2
L	6500-002-106	Load wheel spacer	2
M	6500-002-195	Collar	1
N	0004-594-000	Button head cap screw	2
P	0016-102-000	Nylock hex nut	2
R	6500-001-191	Fowler cylinder spacer	2
T	6085-101-143	Fowler cylinder pin	1
U	0011-004-000	Washer	2
V	0028-181-000	Truarc ring	1

Head section (non-Power-LOAD compatible) option - 6506-001-020

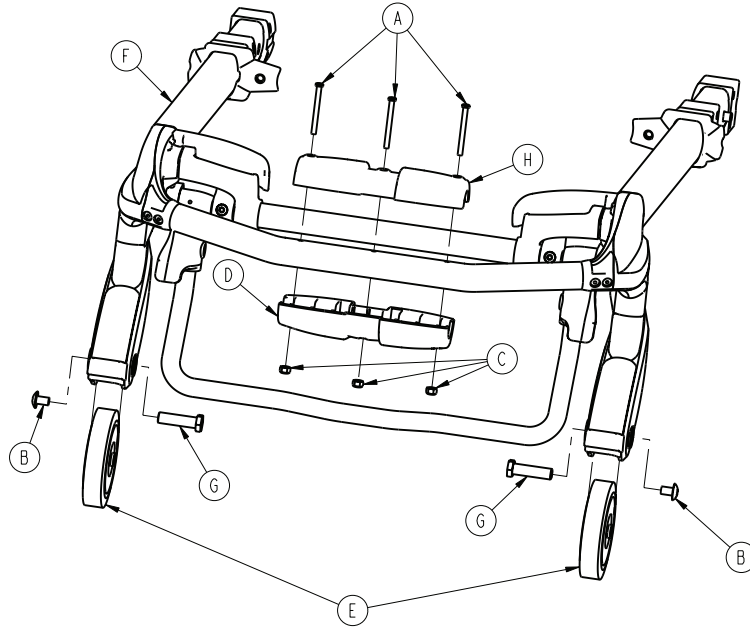
Rev AA (Reference only)



Item	Number	Name	Quantity
A	0004-656-000	Socket head cap screw	3
B	0007-556-000	Truss head machine screw	2
C	0016-002-000	Fiberlock hex nut	3
D	6085-001-174	Oxygen bottle holder, bottom	1
E	6500-001-086	Front wheel	2
F	650600020020	<i>Bent, antler only head section option - 650600020020 (page 100)</i>	1
G	6500-002-106	Load wheel fastener	2
H	6500-002-156	Top guide, head end	1

Head section (Power-LOAD compatible) option - 6506-001-021

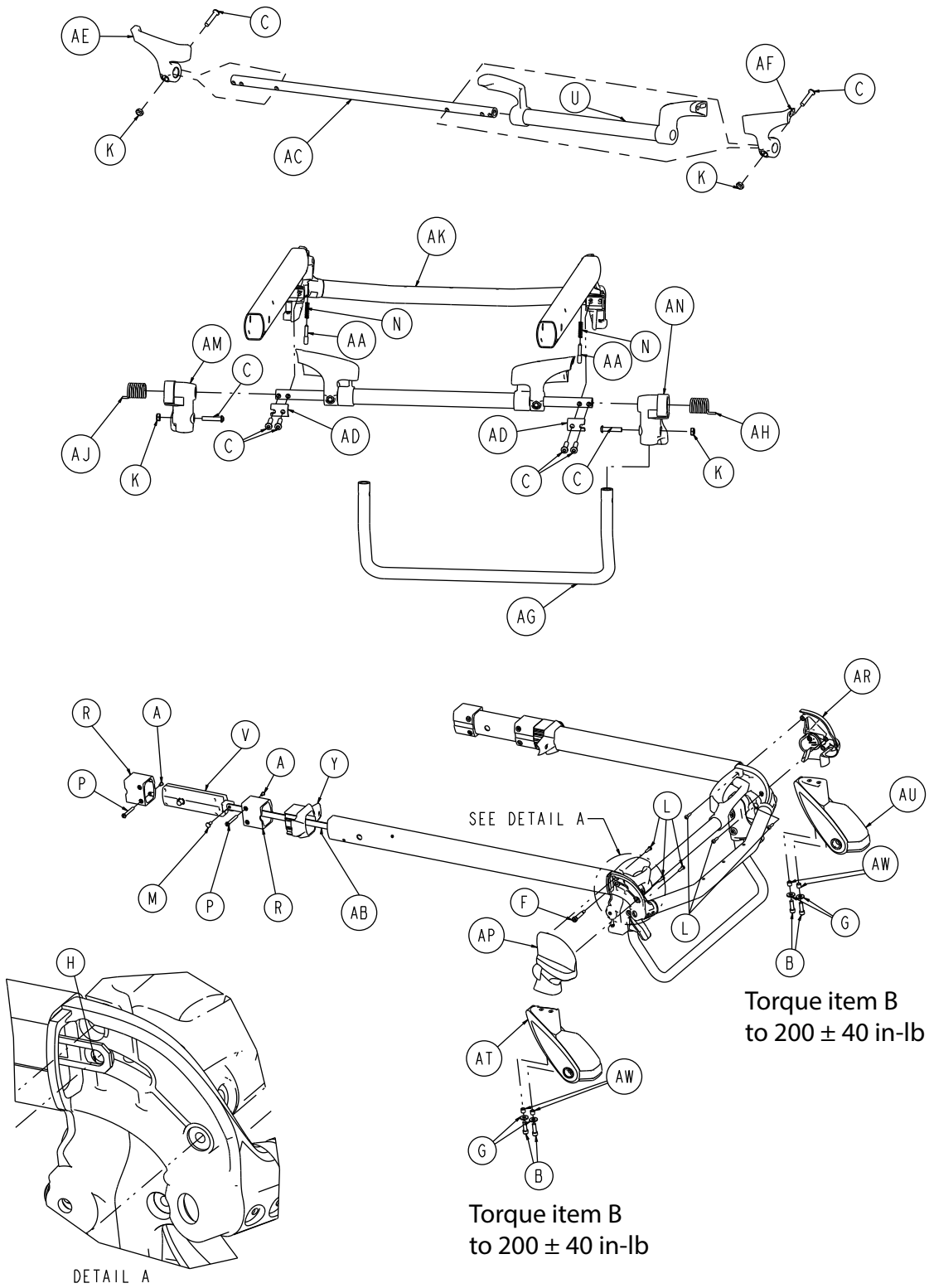
Rev B (Reference only)



Item	Number	Name	Quantity
A	0004-656-000	Socket head cap screw	3
B	0007-556-000	Truss head machine screw	2
C	0016-002-000	Fiberlock hex nut	3
D	6085-001-174	Oxygen bottle holder, bottom	1
E	6500-101-086	Load wheel, hard	2
F	6500-002-020	Head section option - 6500-002-020 (page 97)	1
G	6500-002-104	Load wheel pin	2
H	6500-002-156	Top guide, head end	1

Head section option - 6500-002-020

Rev AA (Reference only)

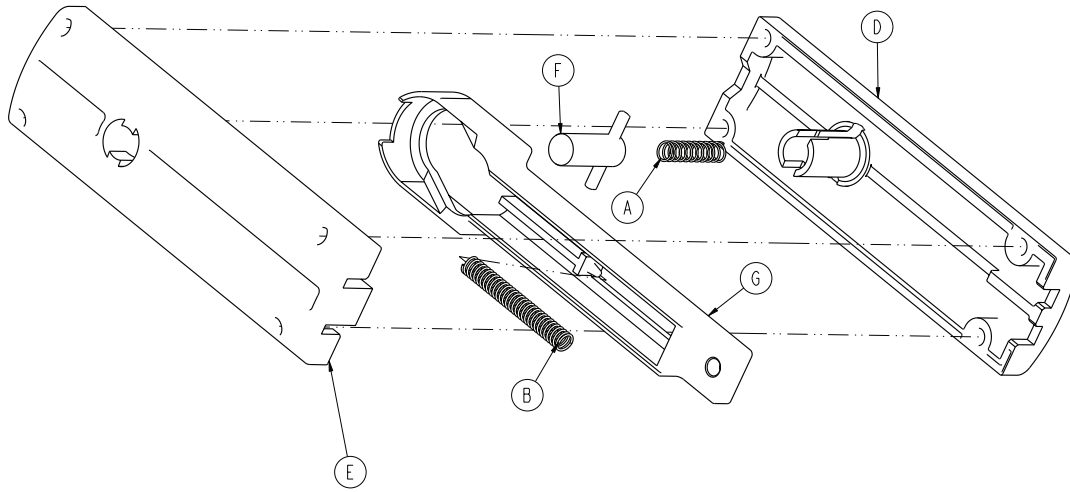


Note - Place washer (item H) between the release link and forging.

Item	Number	Name	Quantity
A	0004-168-000	Button head cap screw	4
B	0004-591-000	Socket head cap screw	4
C	0004-612-000	Button head cap screw	8
F	0008-030-000	Socket head shoulder screw	2
G	0011-624-000	Washer	4
H	0014-002-000	Washer	2
K	0016-102-000	Nylock hex nut	4
L	0023-162-000	Delta screw	6
M	0025-126-000	Semi-tubular rivet	2
N	0038-570-000	Compression spring	2
P	6085-001-169	Head section nut	4
R	6085-001-170	Internal bearing	4
U	6500-001-023	Head trigger assembly	1
V	6500-001-026	<i>Head section lock assembly (page 99)</i>	2
Y	6500-001-087	Cap bearing	2
AA	6500-001-093	Safety bar lock pin	2
AB	6500-001-096	Head section release link	2
AC	6500-001-220	Head section pivot crosstube	1
AD	6500-001-221	Crosstube clamp	2
AE	6500-001-280	Head section guard, patient right	1
AF	6500-001-281	Head section guard, patient left	1
AG	6500-001-322	Sliding head section safety bar	1
AH	6500-001-325	Safety bar torsion spring, patient left	1
AJ	6500-001-326	Safety bar torsion spring, patient right	1
AK	650700080150	<i>Head section bonding (page 102)</i>	1
AM	6500-002-107	Safety bar pivot, patient right	1
AN	6500-002-108	Safety bar pivot, patient left	1
AP	6500-002-109	Load wheel horn cover, patient left	1
AR	6500-002-110	Load wheel horn cover, patient right	1
AT	6500-002-120	Load wheel horn, patient left	1
AU	6500-002-121	Load wheel horn, patient right	1
AW	6500-002-114	Compression limiter sleeve	4

Head section lock assembly

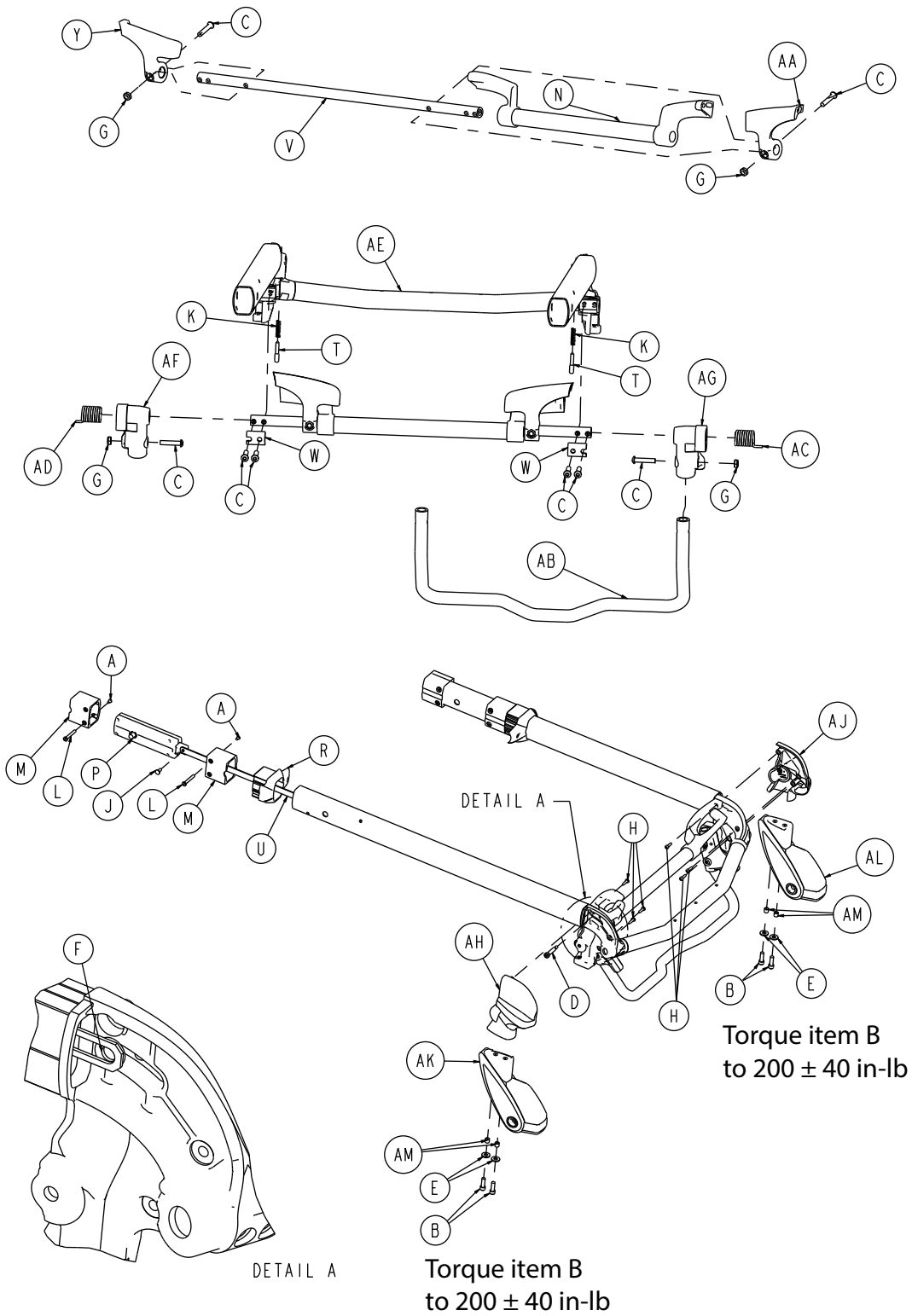
6500-001-026 Rev C (Reference only)



Item	Number	Name	Quantity
A	0038-570-000	Compression spring	1
B	0038-134-000	Compression spring	1
D	6500-001-091	Top latch housing	1
E	6500-001-092	Bottom latch housing	1
F	6500-001-025	Latch assembly	1
G	6500-001-095	Actuation slide	1

Bent, antler only head section option - 650600020020

Rev AA (Reference only)

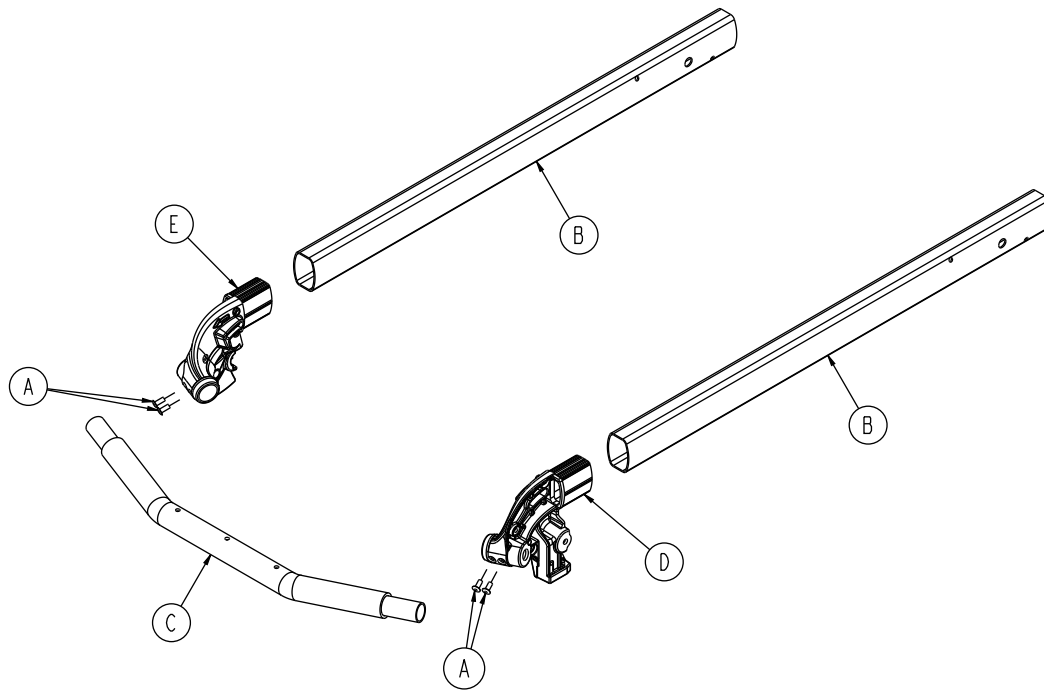


Item	Number	Name	Quantity
A	0004-168-000	Button head cap screw	4
B	0004-591-000	Socket head cap screw	4
C	0004-612-000	Button head cap screw	8

Item	Number	Name	Quantity
D	0008-030-000	Socket head shoulder screw	2
E	0011-624-000	Washer	4
F	0014-002-000	Washer	2
G	0016-102-000	Nylock hex nut	4
H	0023-162-000	Delta screw	6
J	0025-126-000	Semi-tubular rivet	2
K	0038-570-000	Compression, wire	2
L	6085-001-169	Head section nut	4
M	6085-001-170	Internal bearing	4
N	6500-001-023	Head trigger assembly	1
P	6500-001-026	<i>Head section lock assembly (page 99)</i>	2
R	6500-001-087	Cap bearing	2
T	6500-001-093	Safety bar lock pin	2
U	6500-001-096	Head section release link	2
V	6500-001-220	Head section pivot crosstube	1
W	6500-001-221	Crosstube clamp	2
Y	6500-001-280	Head section guard, patient right	1
AA	6500-001-281	Head section guard, patient left	1
AB	6506-001-322	Bent head section safety bar	1
AC	6500-001-325	Safety bar torsion spring, patient left	1
AD	6500-001-326	Safety bar torsion spring, patient right	1
AE	650700080150	<i>Head section bonding (page 102)</i>	1
AF	6500-001-107	Safety hook pivot, patient right	1
AG	6500-001-108	Safety hook pivot, patient left	1
AH	6500-001-109	Load wheel horn cover, patient left	1
AJ	6500-001-110	Load wheel horn cover, patient right	1
AK	6500-001-120	Load wheel horn, patient left	1
AL	6500-001-121	Load wheel horn, patient right	1
AM	6500-001-114	Compression limiter sleeve	4

Head section bonding

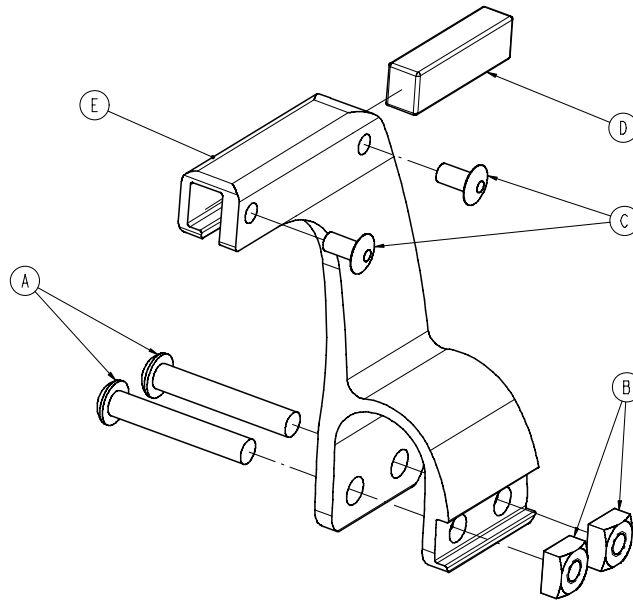
650700080150 Rev AE (Reference only)



Item	Number	Name	Quantity
A	0025-079-000	Dome head rivet	4
B	6085-001-144	Head section telescoping tube	2
C	6500-001-084	Lifting bar, front	1
D	6500-002-080	Load wheel forging, patient right	1
E	6500-002-081	Load wheel forging, patient left	1

In-fastener shut-off assembly option - 6500-001-027

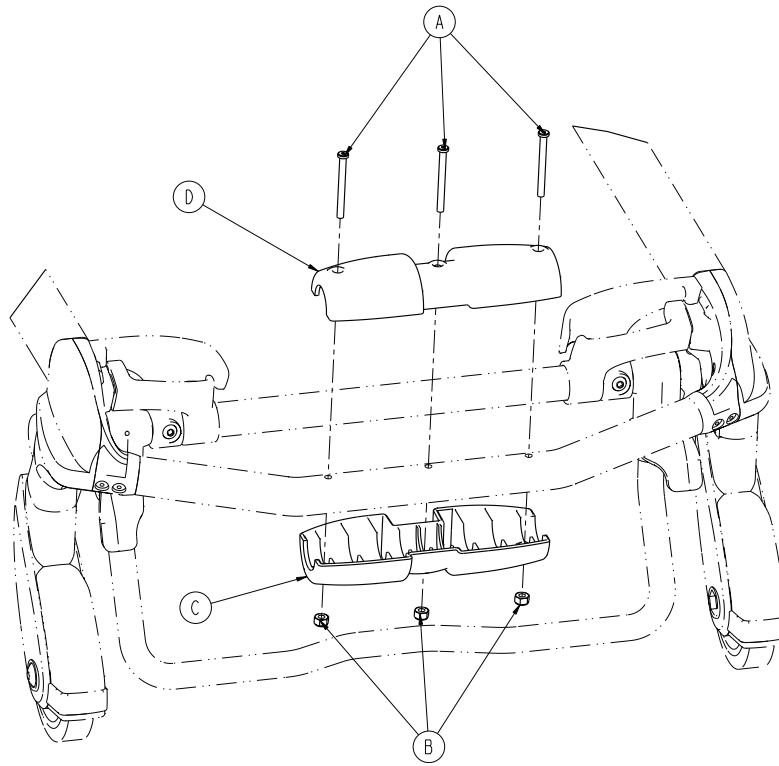
Rev C (Reference only)



Item	Number	Name	Quantity
A	0004-376-000	Button head cap screw	2
B	0015-016-000	Square nut	2
C	0025-079-000	Dome head rivet	2
D	6500-001-271	Ambulance shut-off magnet	1
E	6500-001-272	Fastener shut-off magnet holder	1

No head section oxygen bottle holder option - 6506-036-000

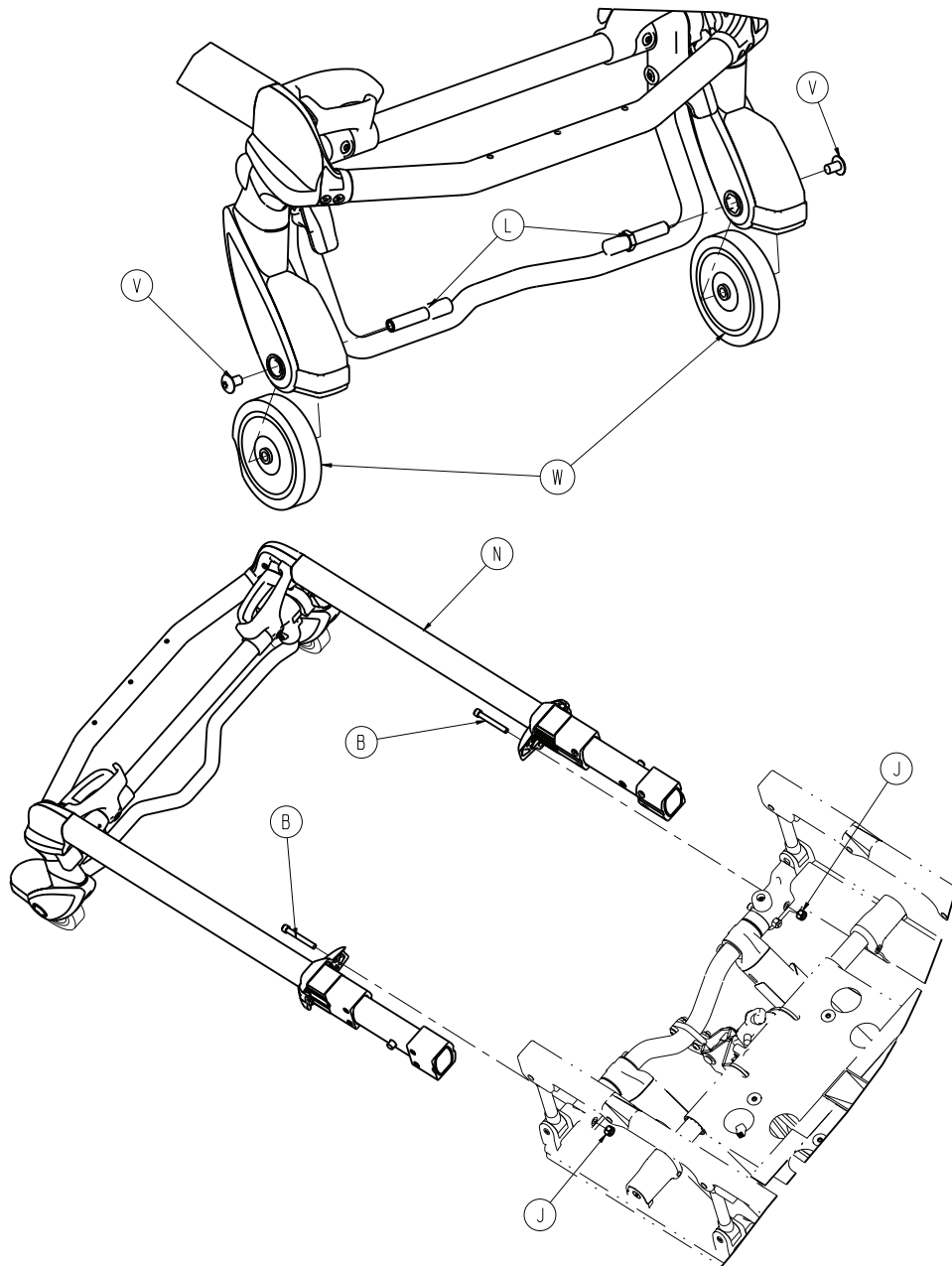
Rev A (Reference only)

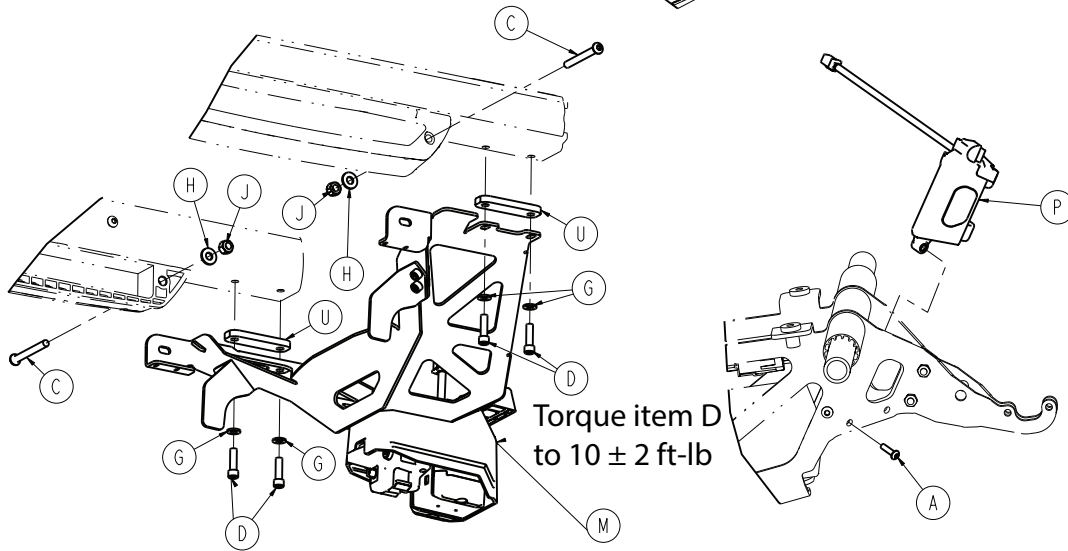
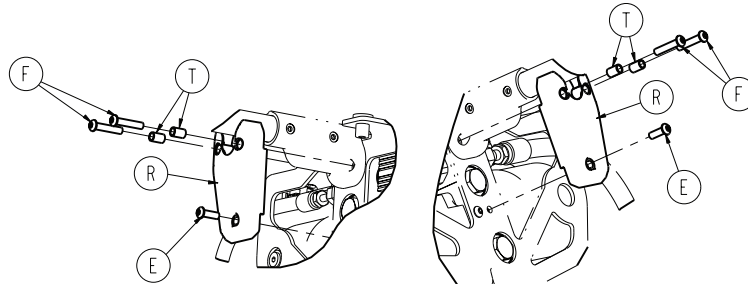
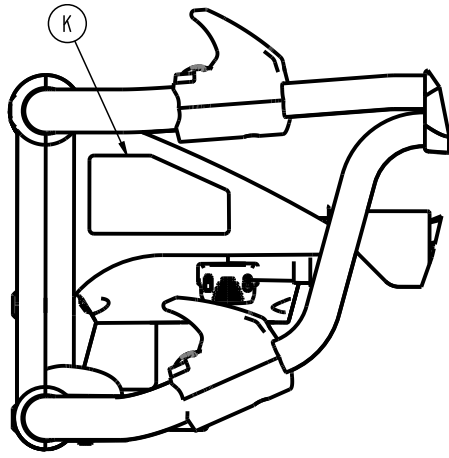


Item	Number	Name	Quantity
A	0004-656-000	Socket head cap screw	3
B	0016-002-000	Fiberlock hex nut	3
C	6085-001-174	Oxygen bottle holder, bottom	1
D	6500-002-156	Top guide, head end	1

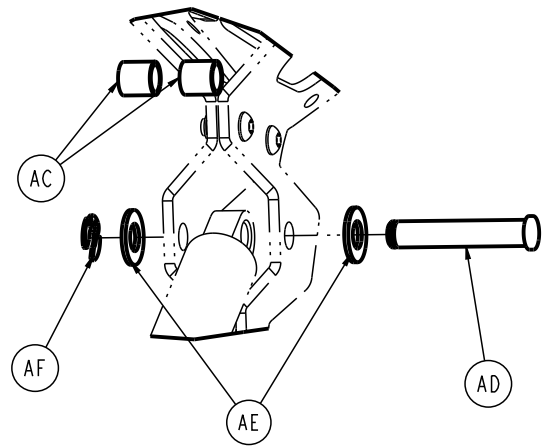
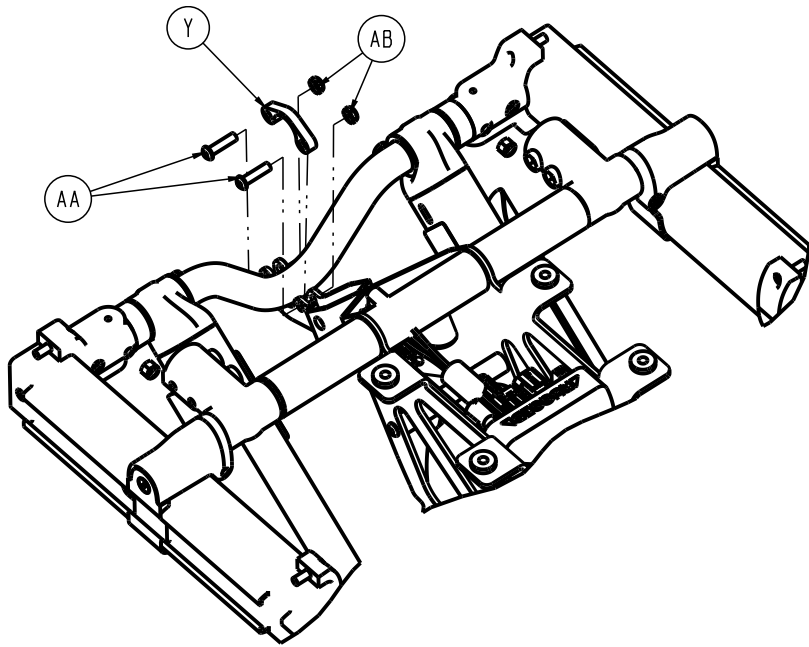
Power-LOAD compatible option - 6506-127-000

Rev AA (Reference only)





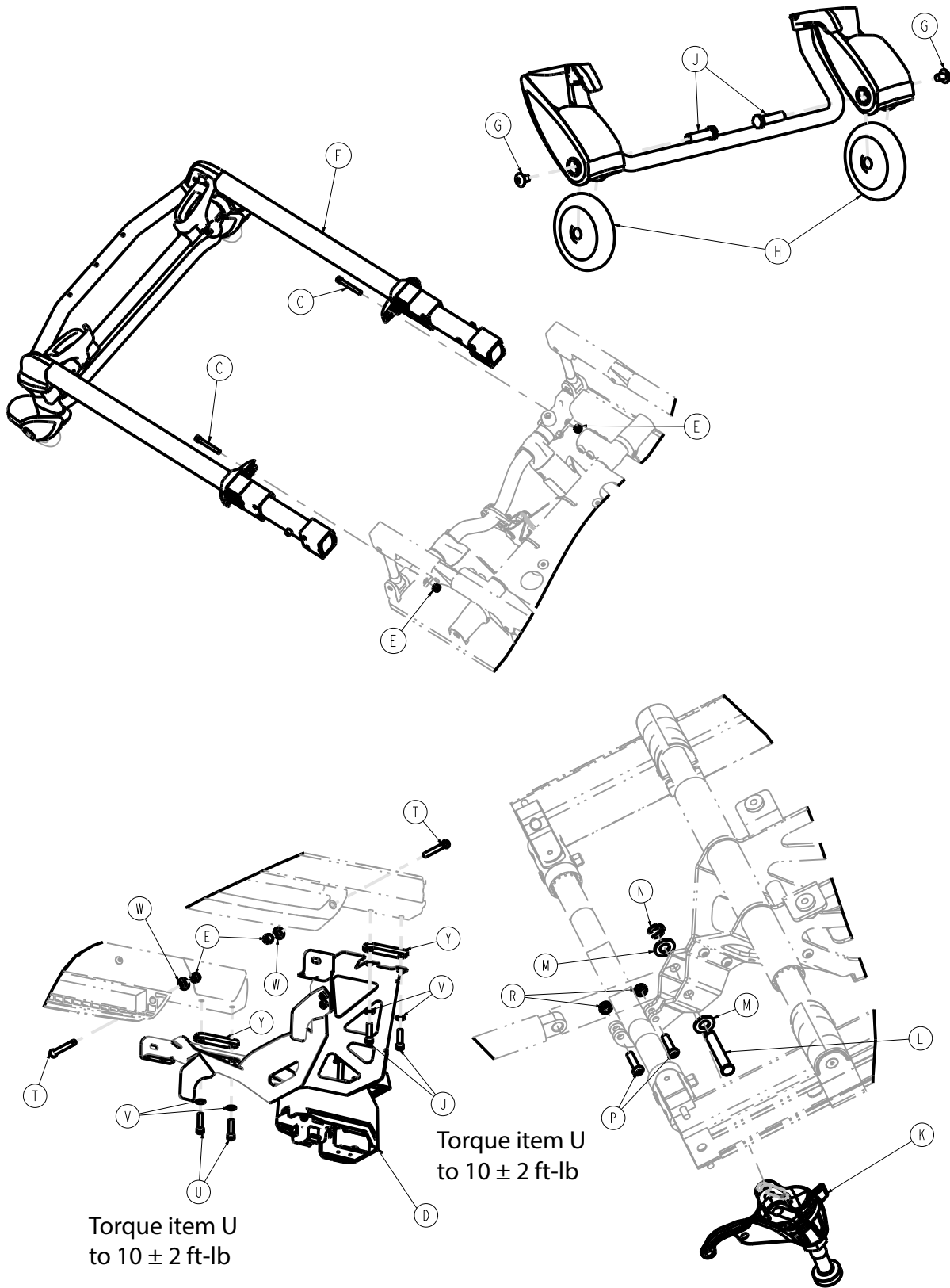
Torque item D to 10 ± 2 ft-lb

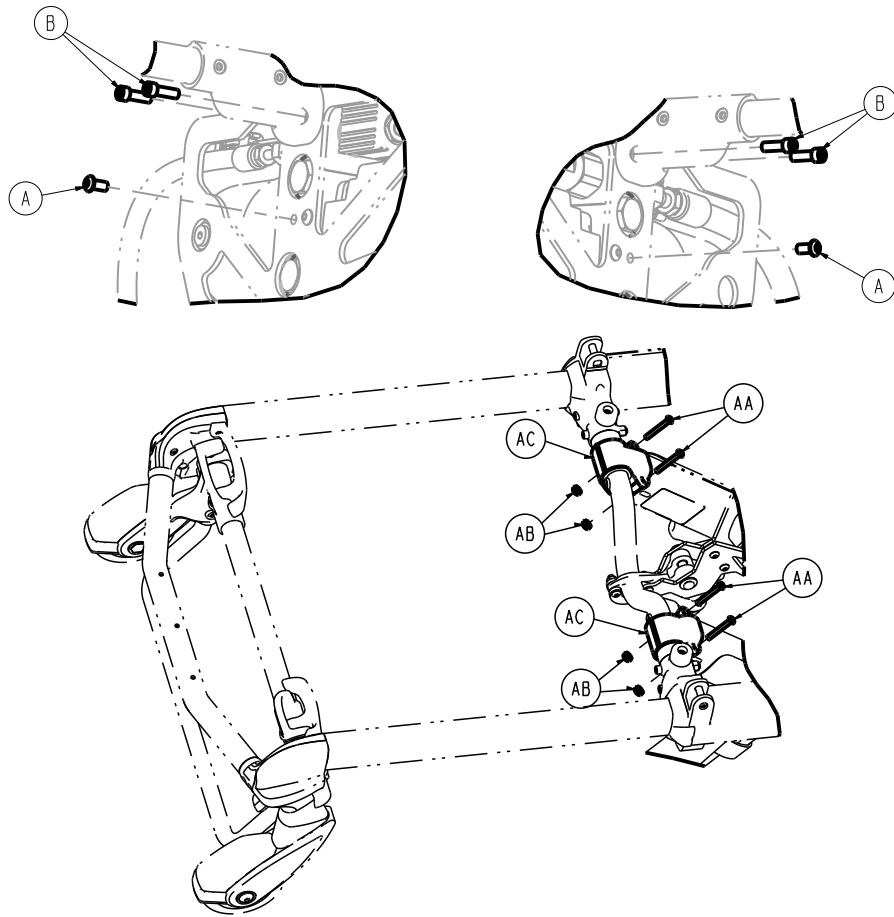


Item	Number	Name	Quantity
A	0004-614-000	Button head cap screw	1
B	0004-595-000	Socket head cap screw	2
C	0004-387-000	Button head cap screw	2
D	0004-661-000	Socket head cap screw	4
E	0004-593-000	Button head cap screw	2
F	0004-395-000	Button head cap screw	4
G	0011-065-000	Washer	4
H	0011-077-000	Washer	2
J	0016-028-000	Fiberlock hex nut	4
K	6506-201-101	Label, FCC	1
L	6500-002-104	Load wheel pin	2
M	6500-002-013	Foot end fastener assembly (Power-LOAD compatible) (page 114)	1
N	6500-002-020	Head section option - 6500-002-020 (page 97)	1
P	6500-002-100	Cot comm board	1
R	6500-002-123	Load arm guide	2
T	6500-002-124	Cot arm spacer sleeve	4
U	6500-002-126	Foot end fastener spacer plate	2
V	0007-556-000	Truss head machine screw	2
W	6500-101-086	Load wheel, hard	2
Y	6500-002-195	Collar	1
AA	0004-594-000	Button head cap screw	2
AB	0016-102-000	Nylock hex nut	2
AC	6500-001-191	Fowler cylinder spacer	2
AD	6085-101-143	Fowler cylinder pin	1
AE	0011-004-000	Washer	2
AF	0028-181-000	Truarc ring	1

Performance-LOAD option - 6506-034-001

Rev AA (Reference only)



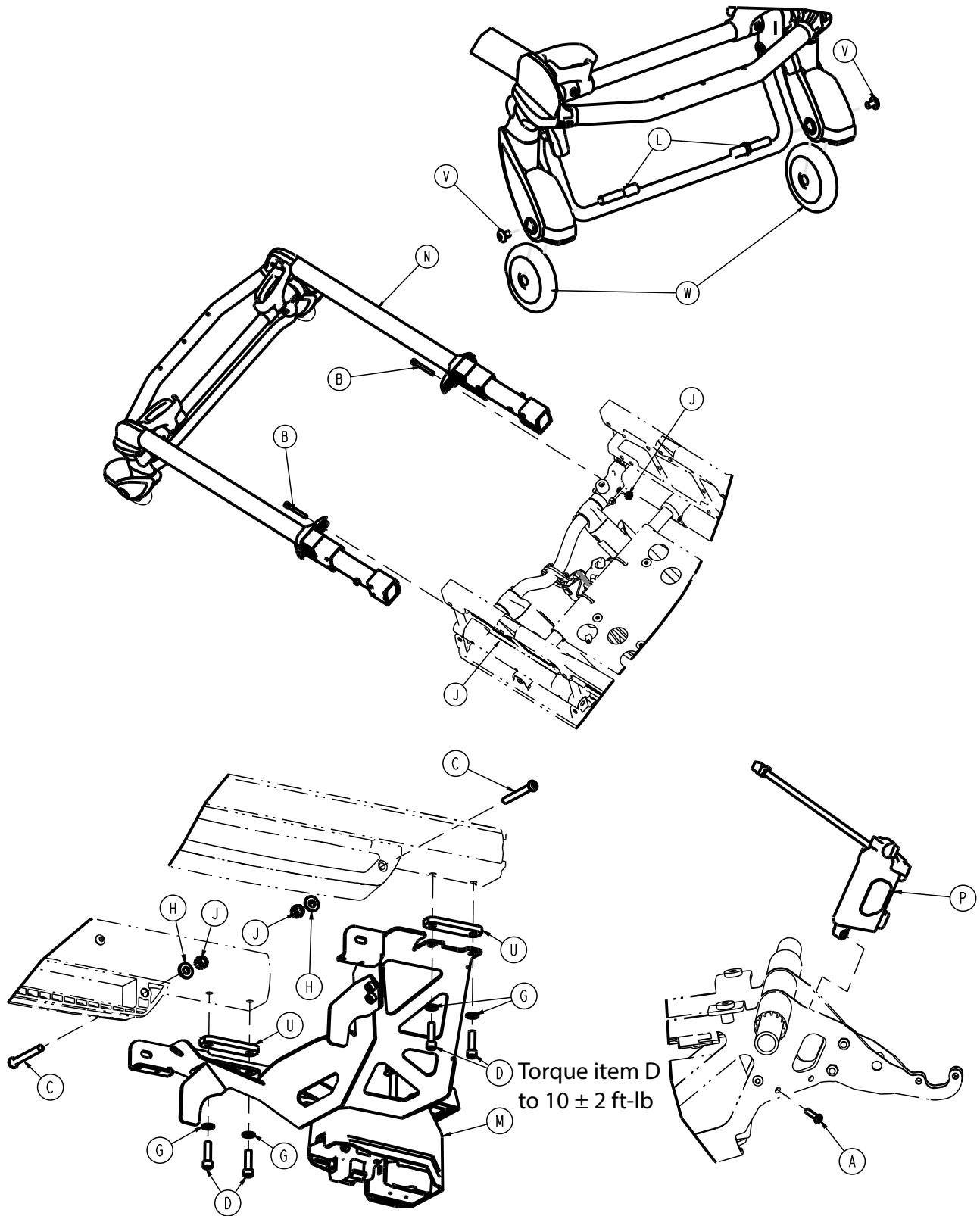


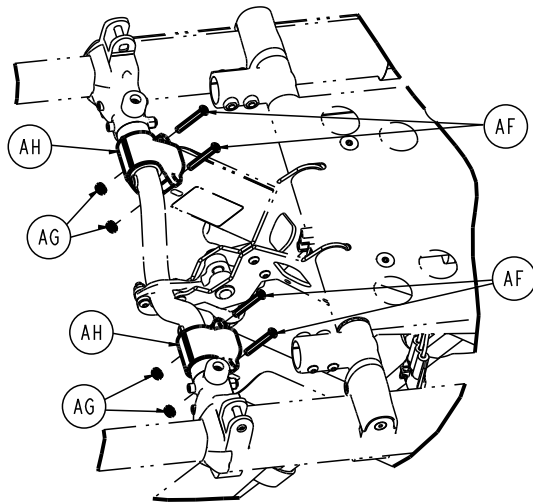
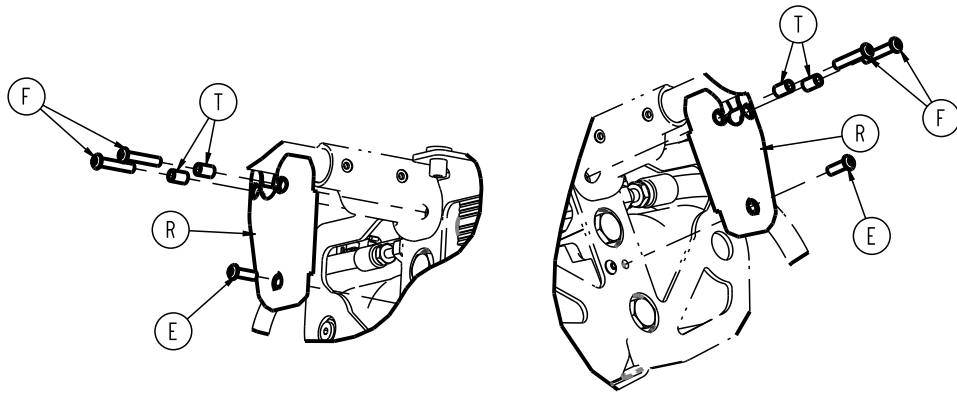
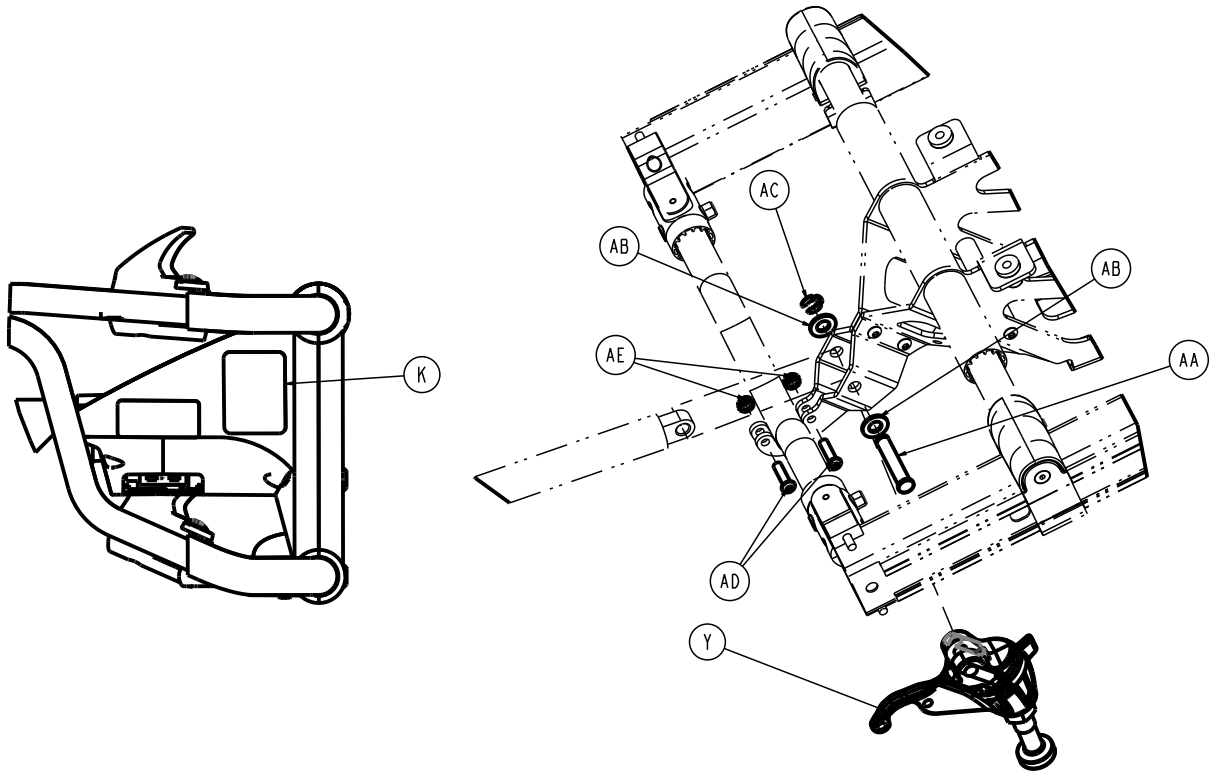
Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	2
B	0004-591-000	Socket head cap screw	4
C	0004-595-000	Socket head cap screw	2
D	6500-002-013	Foot end fastener assembly (Power-LOAD compatible) (page 114)	1
E	0016-028-000	Fiberlock hex nut	4
F	6500-002-020	Head section	1
G	0007-556-000	Truss head machine screw	2
H	6500-101-086	Load wheel, hard	2
J	6500-002-106	Load wheel spacer	2
K	6392-001-062	Head end forging assembly	1
L	6085-101-143	Fowler cylinder pin	1
M	0011-004-000	Washer	2
N	0028-181-000	Truarc ring	1
P	0004-594-000	Button head cap screw	2
R	0016-102-000	Nylock hex nut	2
T	0004-387-000	Button head cap screw	2
U	0004-661-000	Socket head cap screw	4
V	0011-065-000	Washer	4
W	0011-077-000	Washer	2
Y	6500-002-126	Foot end fastener spacer plate	2
AA	0004-615-000	Button head cap screw	4

Item	Number	Name	Quantity
AB	0016-131-000	Nylock hex nut	4
AC	6392-001-502	Casting cover	2

Power-LOAD and Performance-LOAD option - 6506-034-002

Rev AA (Reference only)



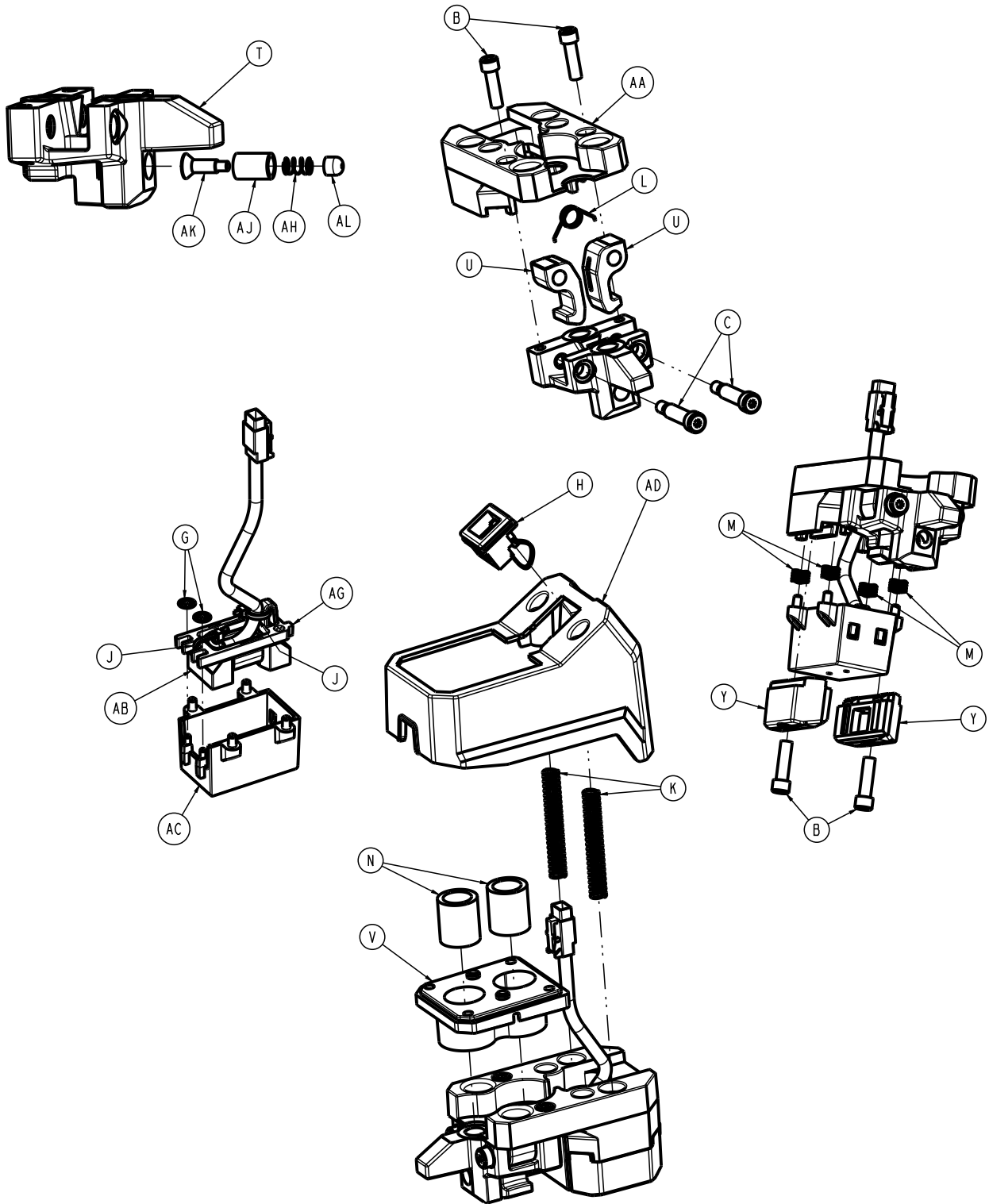


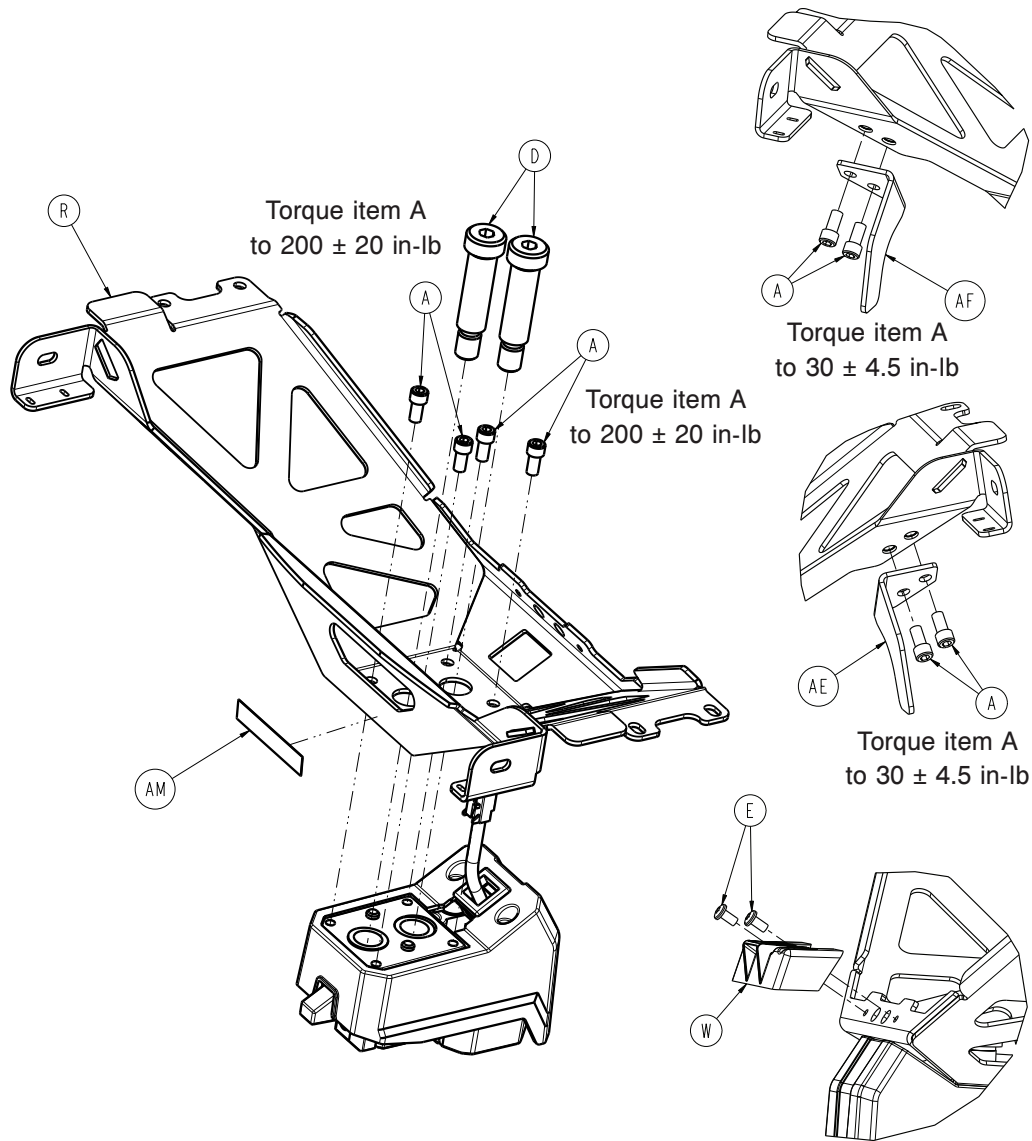
Item	Number	Name	Quantity
A	0004-614-000	Button head cap screw	1
B	0004-595-000	Socket head cap screw	2

Item	Number	Name	Quantity
C	0004-387-000	Button head cap screw	2
D	0004-661-000	Socket head cap screw	4
E	0004-593-000	Button head cap screw	2
F	0004-395-000	Button head cap screw	4
G	0011-065-000	Washer	4
H	0011-077-000	Washer	2
J	0016-028-000	Fiberlock hex nut	4
K	6506-201-101	FCC label	1
L	6500-002-104	Load wheel pin	2
M	6500-002-013	<i>Foot end fastener assembly (Power-LOAD compatible) (page 114)</i>	1
N	6500-002-020	Head section	1
P	6500-002-100	Comm board	1
R	6500-002-123	Load arm guide	2
T	6500-002-124	Arm spacer sleeve	4
U	6500-002-126	Foot end fastener spacer plate	2
V	0007-556-000	Truss head machine screw	2
W	6500-101-086	Load wheel, hard	2
Y	6392-001-062	Head end forging assembly	1
AA	6085-101-143	Fowler cylinder pin	1
AB	0011-004-000	Washer	2
AC	0028-181-000	Truarc ring	1
AD	0004-594-000	Button head cap screw	2
AE	0016-102-000	Nylock hex nut	2
AF	0004-615-000	Button head cap screw	4
AG	0016-131-000	Nylock hex nut	4
AH	6392-001-502	Casting cover	2

Foot end fastener assembly (Power-LOAD compatible)

6500-002-013 Rev AD (Reference only)





Item	Number	Name	Quantity
A	0004-660-000	Socket head cap screw	8
B	0004-661-000	Socket head cap screw	4
C	0008-088-000	Socket head set screw	2
D	0008-087-000	Socket head set screw	2
E	700000660477	Pan head thread rolling screw	2
G	0028-217-000	Push nut	2
H	0037-248-000	Lay-in strain relief bushing	1
J	0038-111-000	Cable tie	2
K	0038-889-000	Compression wire	2
L	0038-891-000	Torsion spring	1
M	0038-900-000	Wave spring	4
N	0081-437-000	Sleeve bearing	2
R	6500-002-050	Bracket weldment	1
T	650000020111	Foot end fastener guide, machined	1
U	6500-002-112	Foot end fastener hook	2
V	650001020113	Foot end fastener bearing plate	1

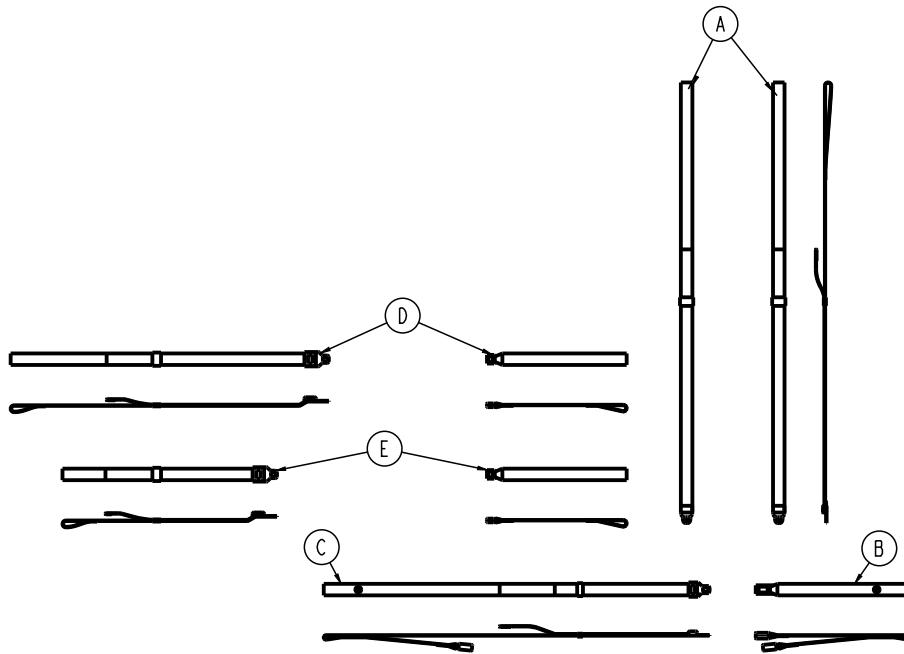
Item	Number	Name	Quantity
W	6500-002-119	Foot end fastener spacer	1
Y	6500-002-122	Foot end fastener wear pad	2
AA	650001020130	Floating plate, machined	1
AB	6500-002-133	Secondary coil	1
AC	6500-002-135	Foot end fastener coil holder	1
AD	6500-002-136	Foot end fastener housing	1
AE	6500-002-146	Foot end fastener hook, patient right	1
AF	6500-002-147	Foot end fastener hook, patient left	1
AG	6500-002-144	Tie down coil strap	1
AH	0038-001-012	Compression wire	1
AJ	6500-002-148	Plunger housing	1
AK	6500-002-149	Plunger	1
AL	6500-002-152	Plunger cap	1
AM	650600010927	Label, CAN RSS-216	1

Notes:

2	Leave enough slack in the cable in the indicated area to allow item AC to have a full range of travel after assembly
4	Install zip tie around large wire jacket, as shown
5	Leave the strain relief loose on the wire

XPR restraint package option - 650600030010

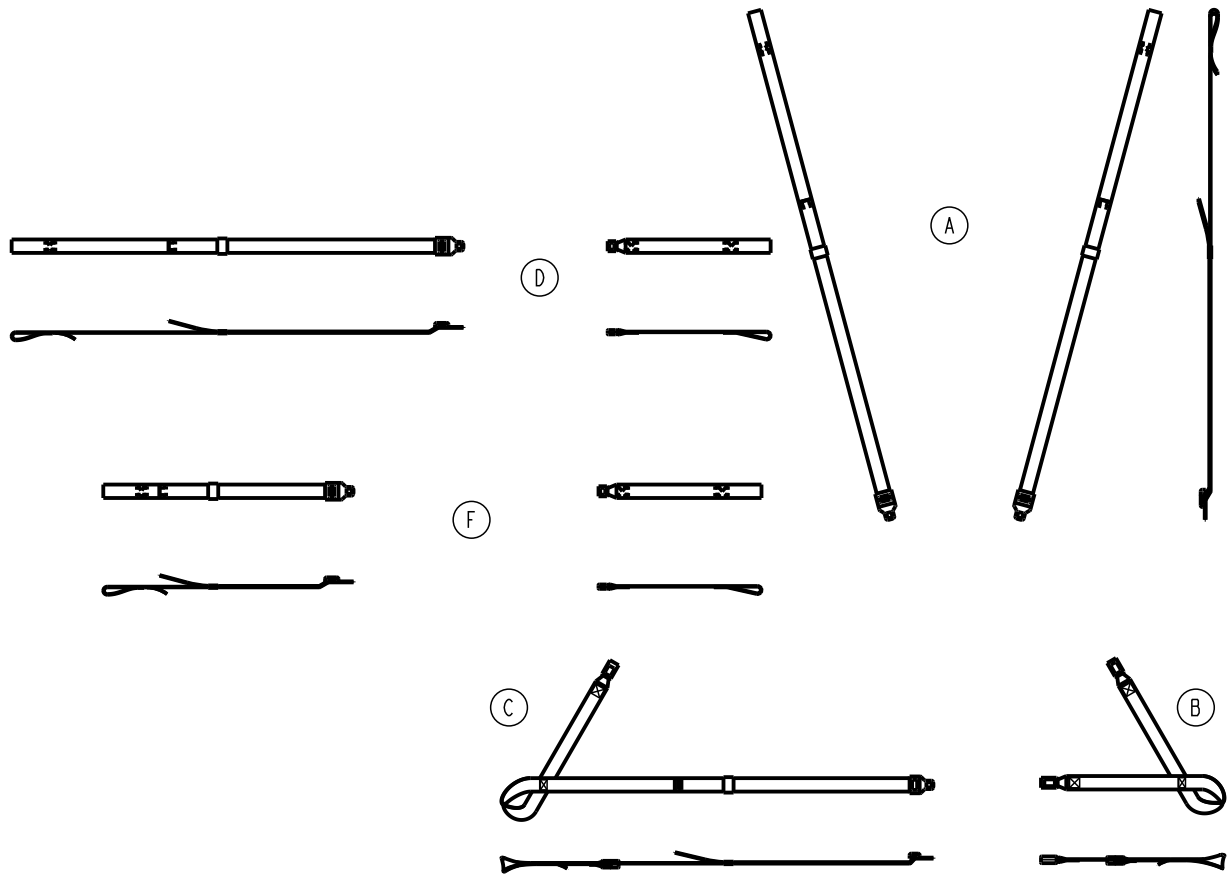
Rev AC (Reference only)



Item	Number	Name	Quantity
A	650600030001	XPR shoulder restraint	2
B	650600030002	XPR waist double buckle restraint	1
C	650600030003	XPR waist single buckle long restraint	1
D	650600030004	XPR thigh restraint	1
E	650600030005	XPR ankle restraint	1
G	650600030011	Label, XPR restraint package	1

X-restraint package option - 6500-001-430

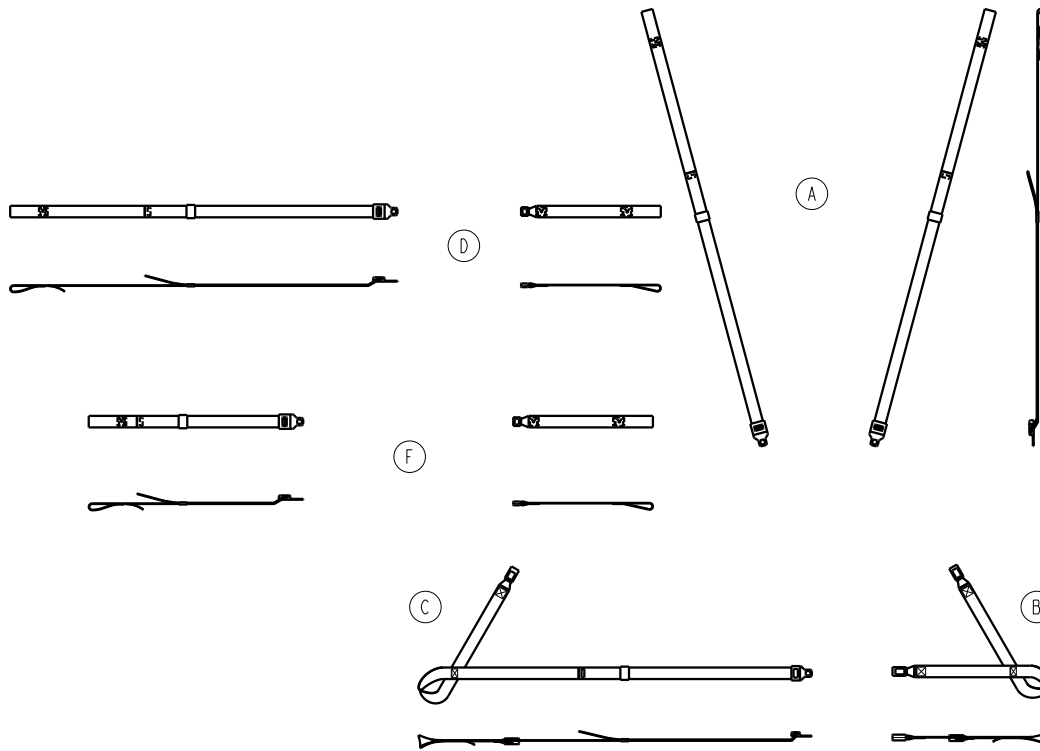
Rev G (Reference only)



Item	Number	Name	Quantity
A	6500-001-401	Shoulder restraint	2
B	6500-001-402	X-double buckle strap	1
C	6500-001-403	X-buckle and tongue strap	1
D	6500-001-404	Thigh restraint	1
F	6500-001-405	Ankle restraint	1

X-restraint package option, cobalt blue - 6500-001-431

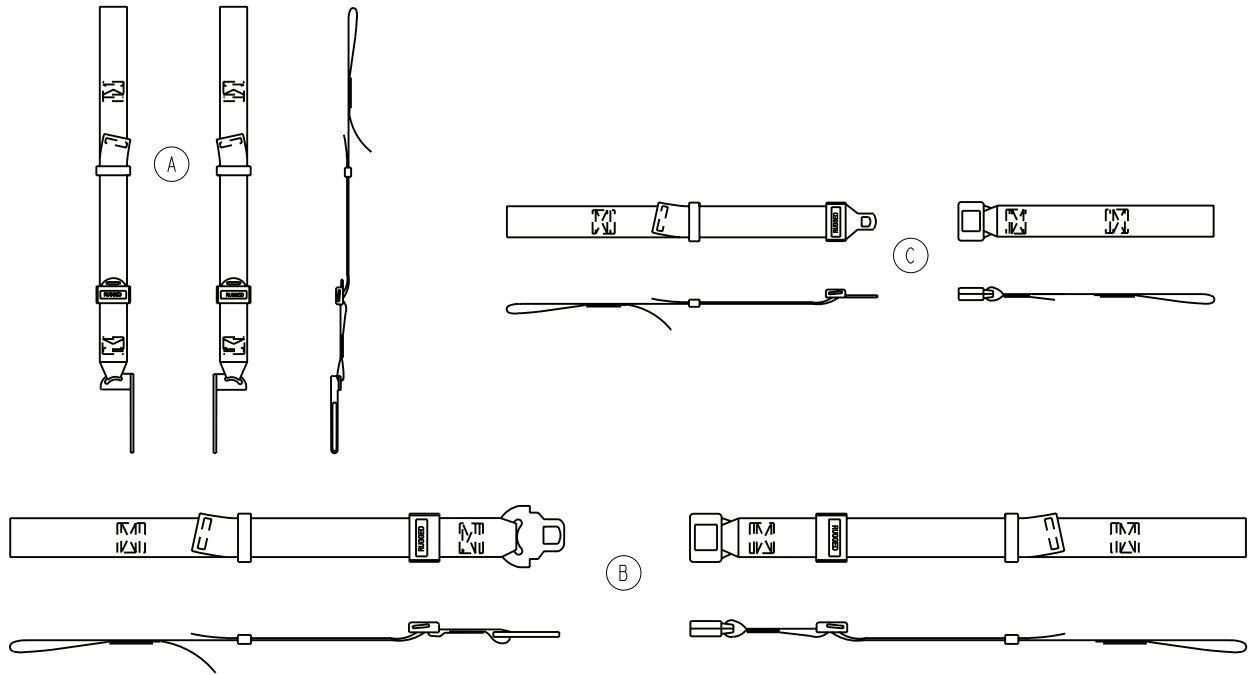
Rev B (Reference only)



Item	Number	Name	Quantity
A	6500-001-411	Shoulder restraint, cobalt blue	2
B	6500-001-412	X-double buckle strap, cobalt blue	1
C	6500-001-413	X-buckle and tongue strap, cobalt blue	1
D	6500-001-414	Thigh restraint, cobalt blue	1
F	6500-001-415	Ankle restraint, cobalt blue	1

G-rated restraint package option - 6500-002-030

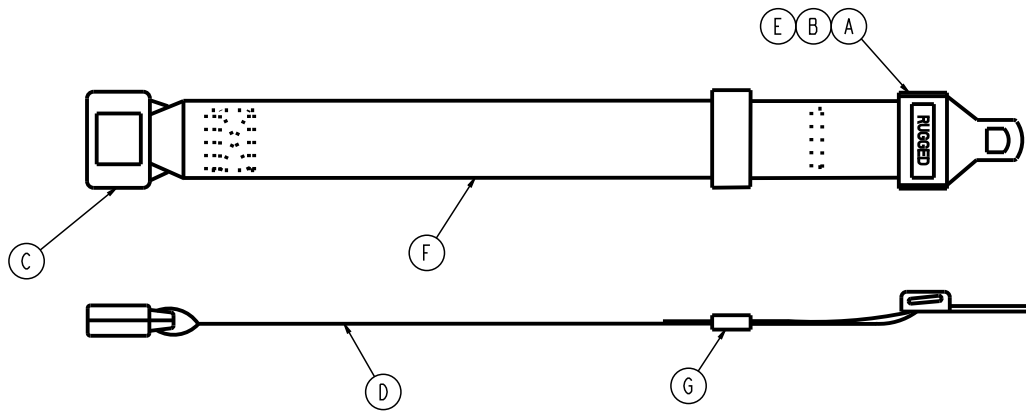
Rev G (Reference only)



Item	Number	Name	Quantity
A	6500-001-391	Shoulder harness restraint	1
B	6500-001-393	Waist restraint	1
C	6500-001-395	Leg restraint	2

Belt extension option - 6082-160-050

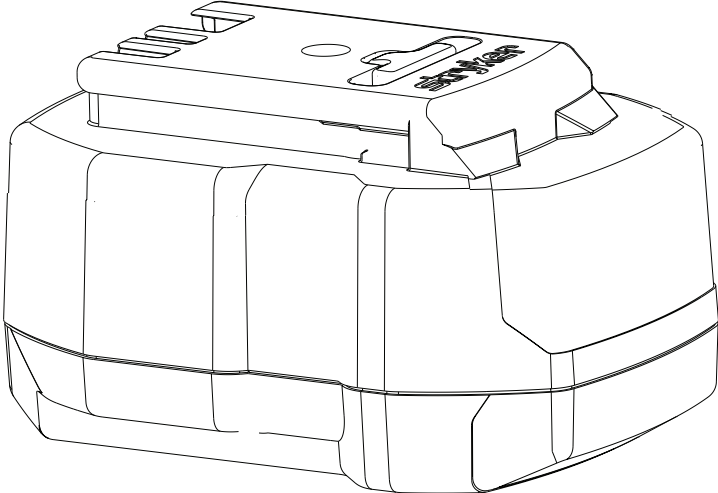
Rev C (Reference only)



Item	Number	Name	Quantity
A		Tongue (Intertek p/n 2122681)	
B		Cap (Intertek p/n 2122525)	
C		Buckle (Intertek p/n 2122682)	
D	6082-090-001	Label, belt extension	1
E	6060-090-011	Label, RUGGED	1
F		Belt, 2" wide, black	
G		Belt retainer	

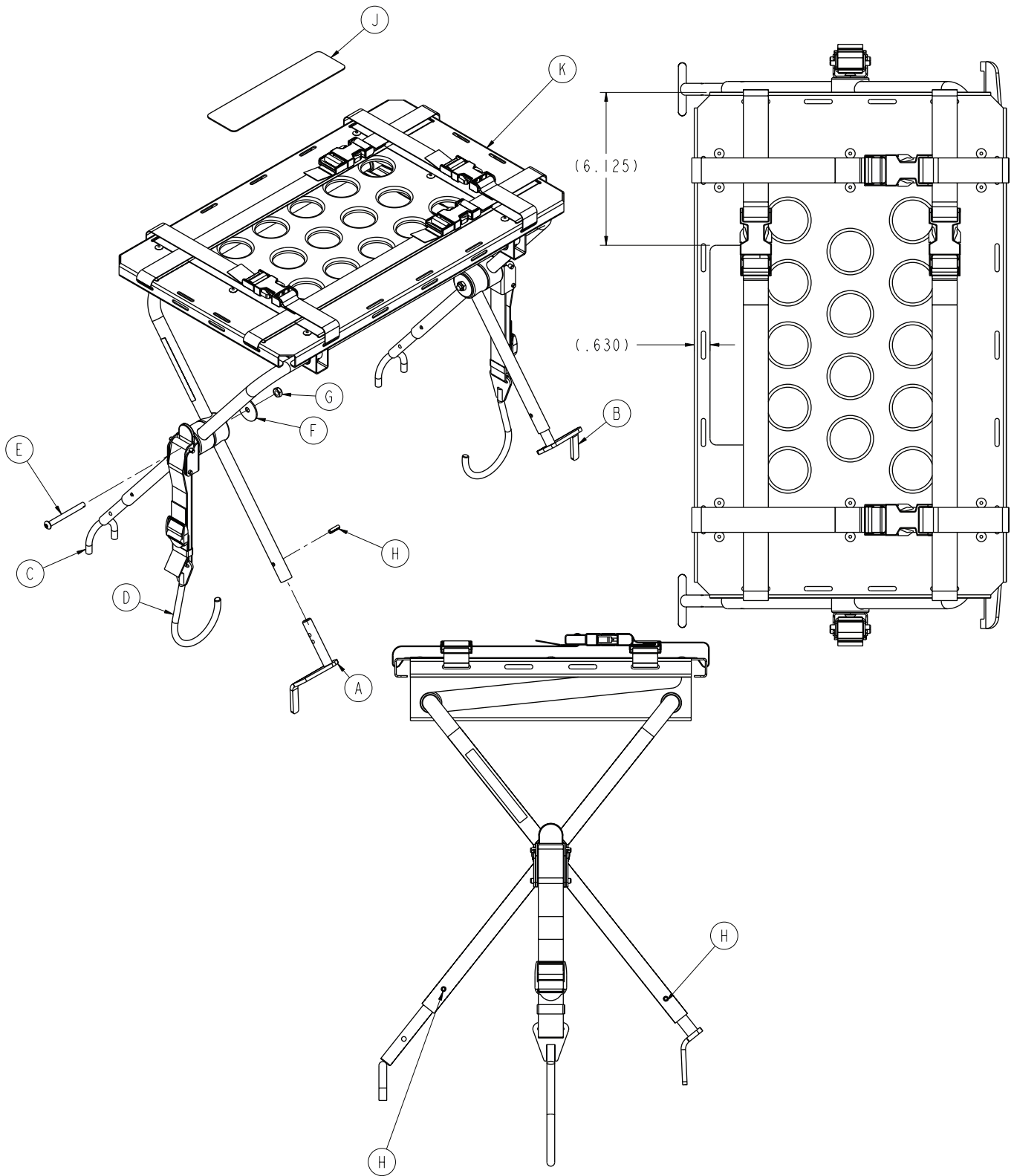
Battery pack option, SMRT - 6500-033-000

6500-101-010 Rev AC (Reference only)



Defibrillator platform option - 6506-170-000

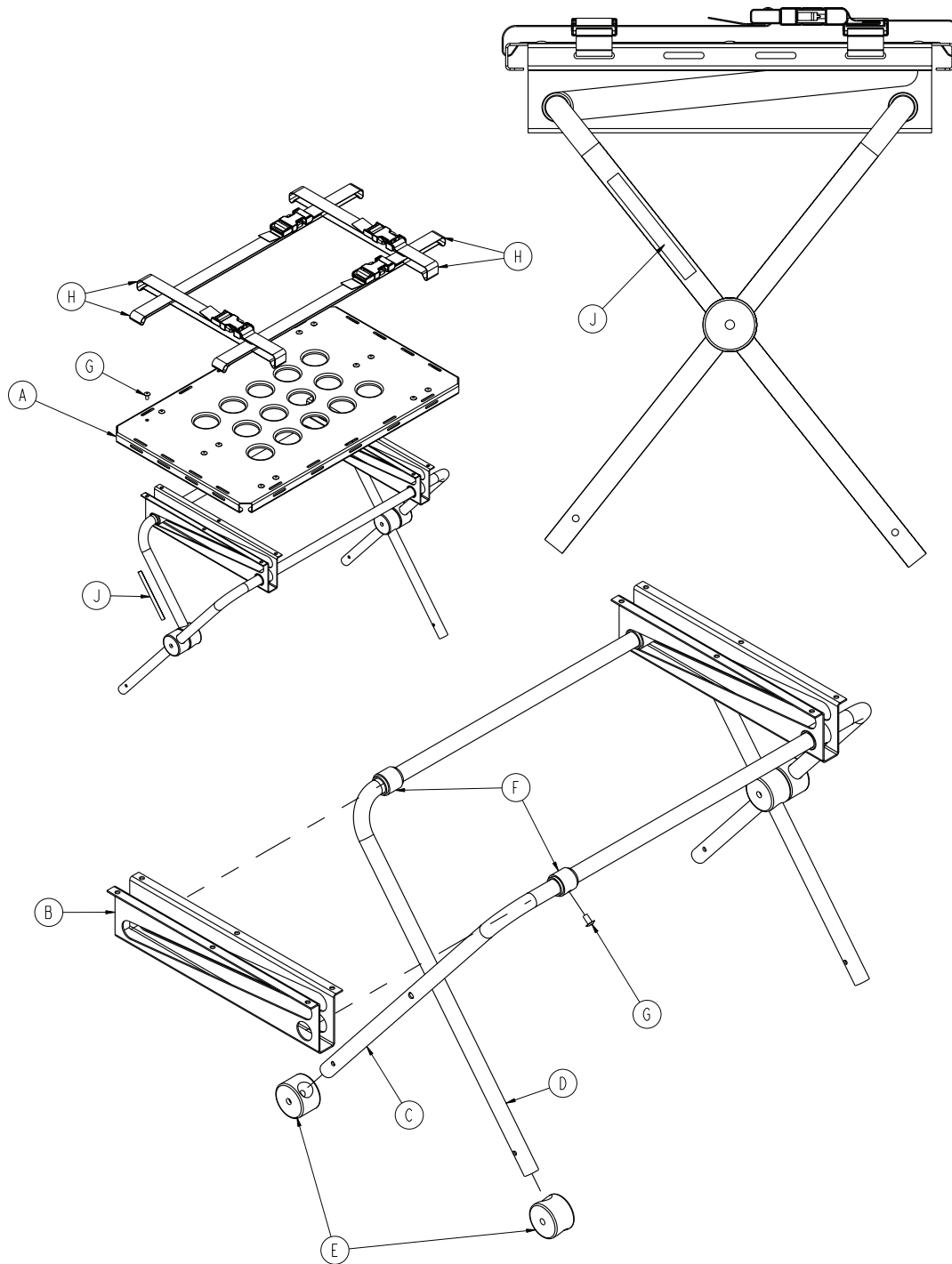
6500-101-046 Rev A (Reference only)



Item	Number	Name	Quantity
A	6100-170-050	Head end bracket weldment, patient left	1
B	6100-170-051	Head end bracket weldment, patient right	1
C	6082-170-050	Defibrillator u-foot weldment	2
D	6100-170-020	Defibrillator latch strap assembly	2
E	0004-234-000	Button head cap screw	2
F	0011-355-000	Washer	2
G	0016-102-000	Nylock nut	2
H	0026-172-000	Slotted spring pin	4
J	6500-101-298	Label, defibrillator platform	1
K	6082-170-020	<i>Defibrillator platform common components (page 125)</i>	1

Defibrillator platform common components

6082-170-020 Rev B (Reference only)

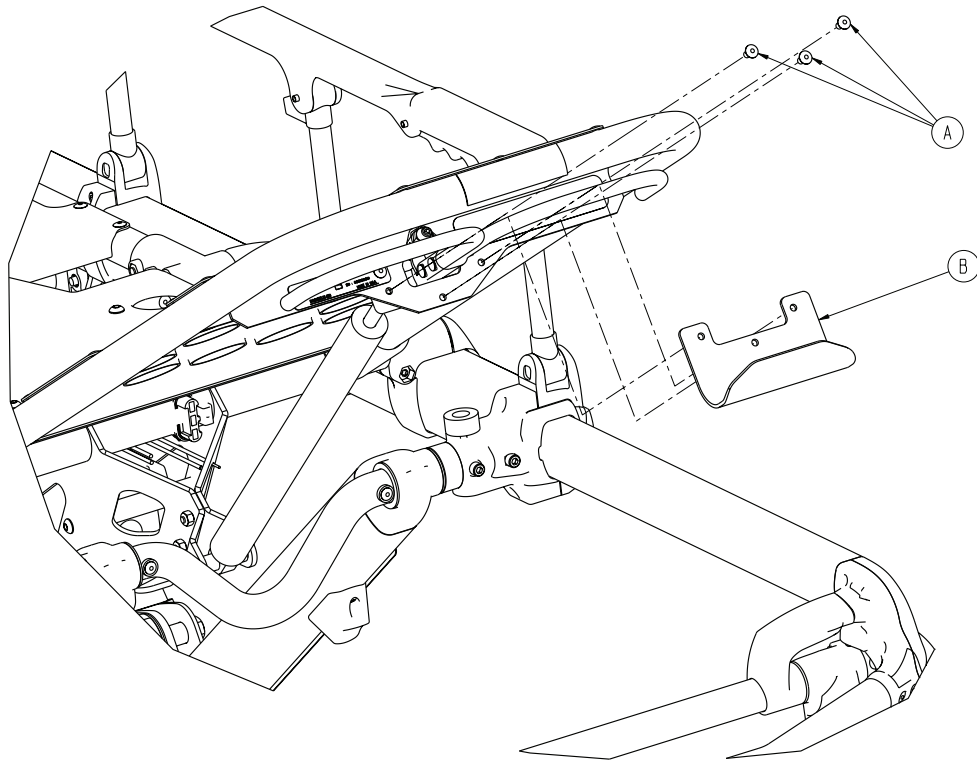


Item	Number	Name	Quantity
A	6080-170-011	Top panel	1
B	6080-170-012	Leg support	2
C	6080-170-013	Stationary defibrillator leg	1
D	6080-170-014	Sliding defibrillator leg	1
E	6080-170-015	Support pivot leg	4
F	6080-170-016	Leg collar	4

Item	Number	Name	Quantity
G	0025-079-000	Dome head rivet	16
H	6060-170-022	Defibrillator platform strap, long	4
J	6080-090-023	Label	2

Equipment hook option - 6500-147-000

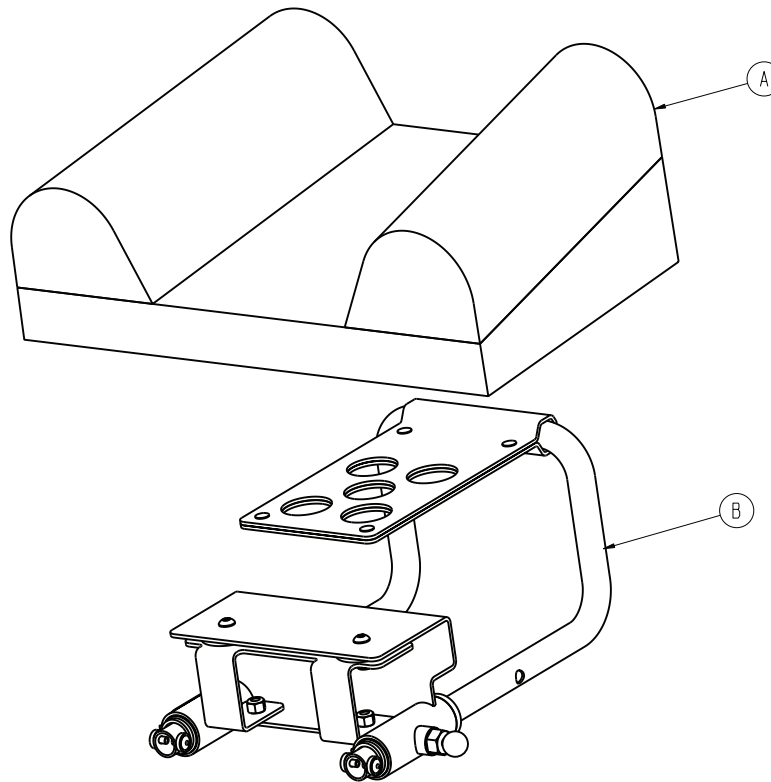
Rev B (Reference only)



Item	Number	Name	Quantity
A	0025-079-000	Dome head rivet	3
B	6500-001-237	Equipment hook	1

Head extension option - 6100-044-000

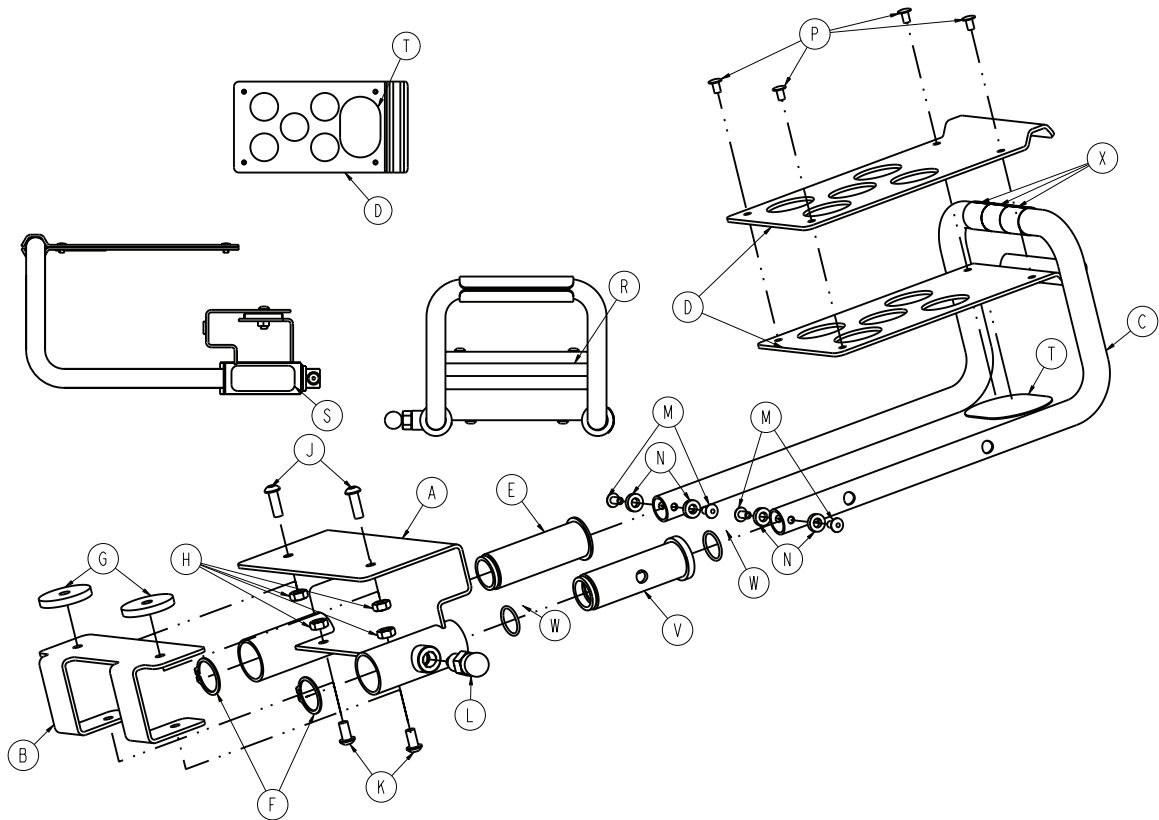
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-041-030	<i>Pillow option - 6100-045-000 (page 131)</i>	1
B	6100-044-012	<i>Head extension assembly (page 129)</i>	1

Head extension assembly

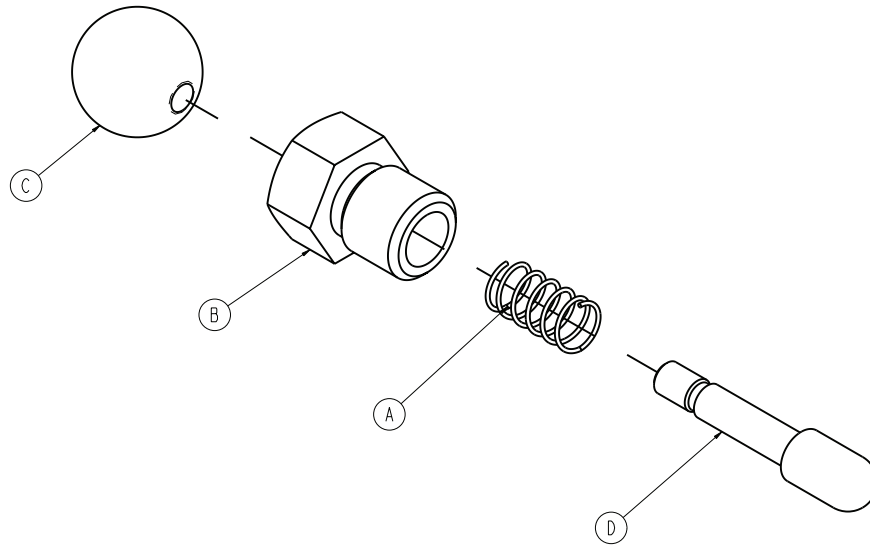
6100-044-012 Rev F (Reference only)



Item	Number	Name	Quantity
A	6100-044-010	Bracket weldment	1
B	6100-044-007	Support	1
C	6100-044-011	Extension tube	1
D	6100-044-008	Pillow support	2
E	6100-044-005	Insert	1
F	0028-076-000	Clip	2
G	6100-044-006	Spacer	2
H	0016-028-000	Nylock nut	4
J	0004-161-000	Button head cap screw	2
K	0004-232-000	Button head cap screw	2
L	6372-010-016	Pull pin assembly	1
M	0025-079-000	Rivet	4
N	0014-067-000	Washer	4
P	0025-031-000	Semi-tubular rivet	4
R	6060-090-004	Label, (small) RUGGED	1
S	6100-090-013	Label, specification	1
T	6100-044-013	Velcro® hook	1
V	6100-044-004	Insert	1
W	0045-999-603	O-ring	2
X	6100-011-014	Head extension tape	3

Pull pin assembly

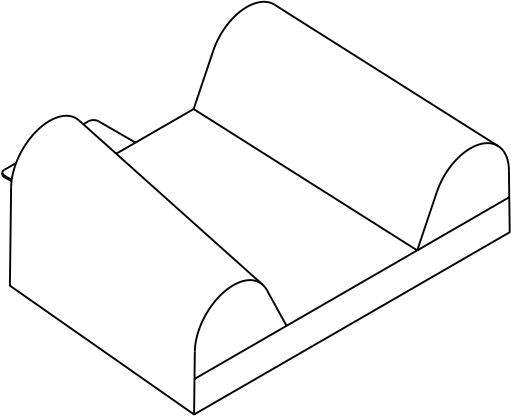
6372-010-016 Rev A (Reference only)



Item	Number	Name	Quantity
A	0038-469-000	Compression spring	1
B	6372-010-088	Pull pin housing	1
C	6372-010-089	Ball knob	1
D	6372-010-090	Pin	1

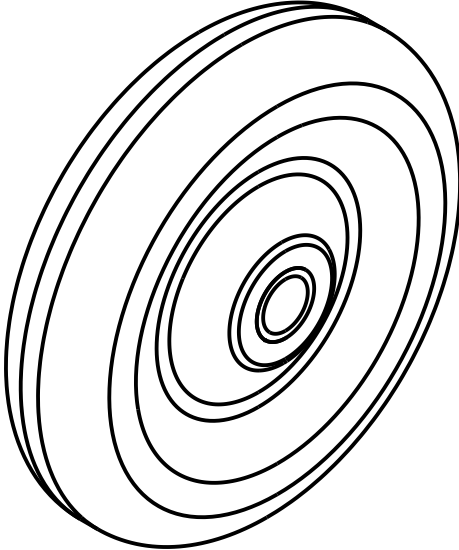
Pillow option - 6100-045-000

6100-041-030 Rev AA (Reference only)



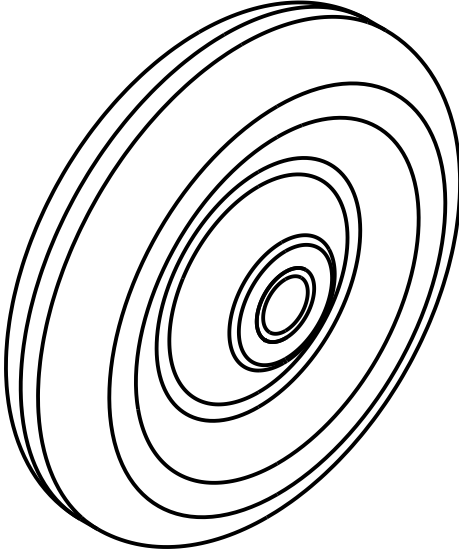
Load wheel, hard

6500-101-086 Rev A (Reference only)



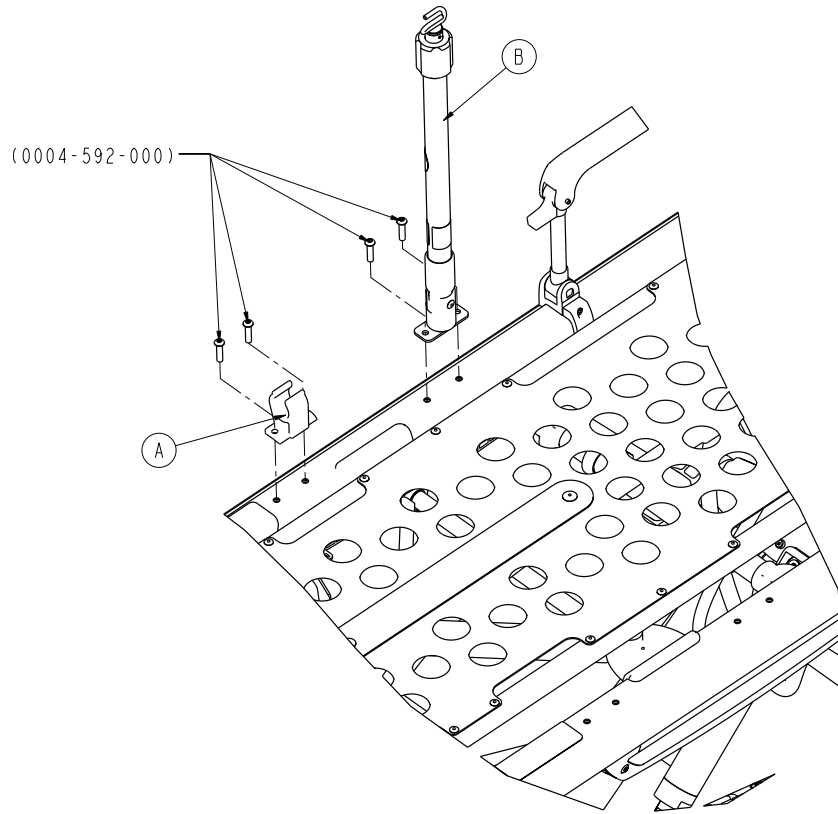
Wheel, front

6500-001-086 Rev A (Reference only)



IV pole assembly, two-stage, patient right - 6500-310-000

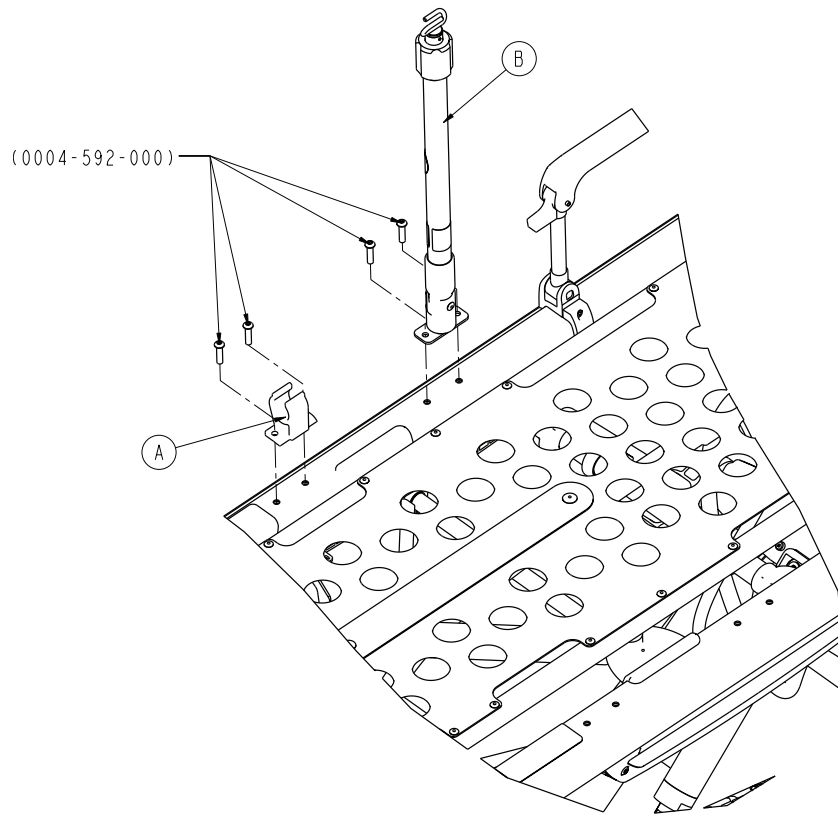
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	1
B	6500-101-041	HAVASU IV pole assembly, two-stage, patient right - 6500-101-041 (page 136)	1

IV pole assembly, three-stage, patient right - 6500-315-000

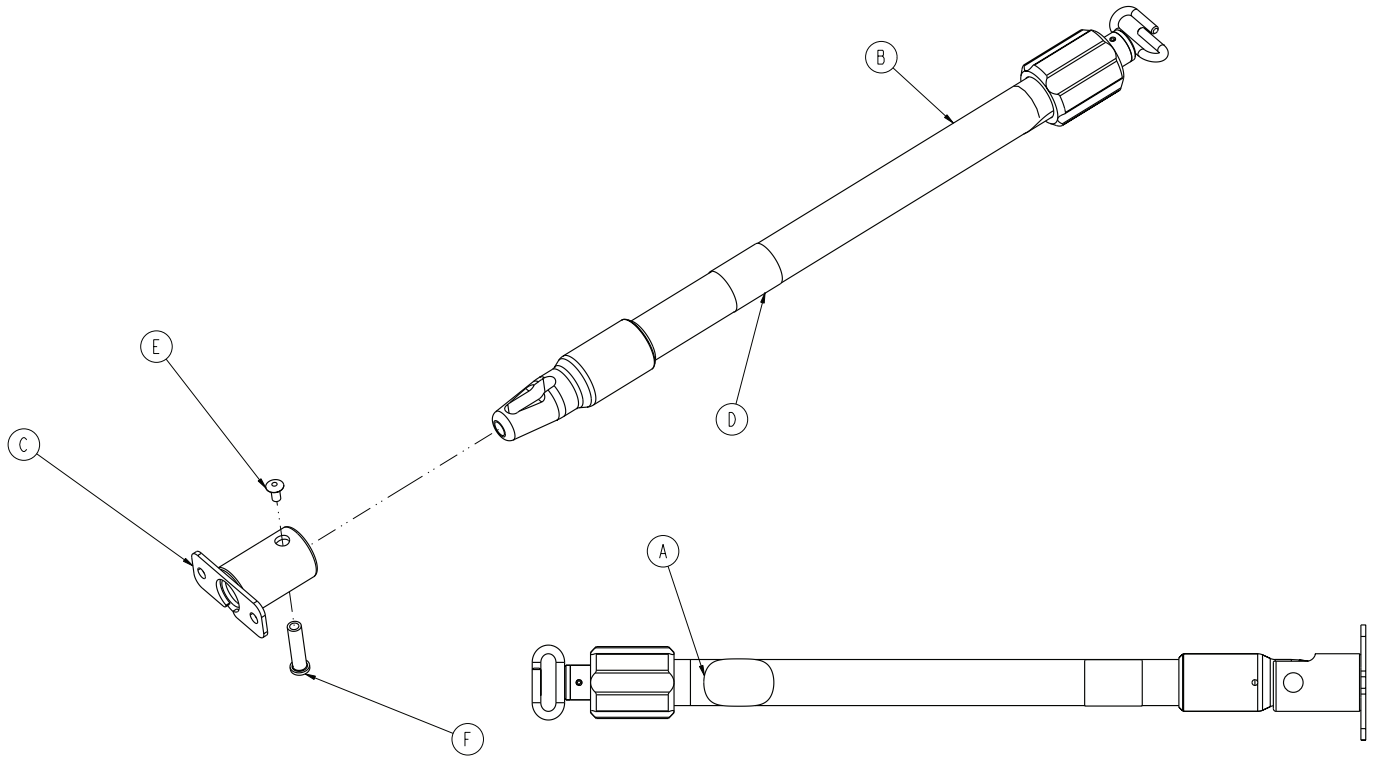
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	1
B	6500-101-043	HAVASU IV pole assembly, three-stage, 1 patient right - 6500-101-043 (page 137)	1

HAVASU IV pole assembly, two-stage, patient right - 6500-101-041

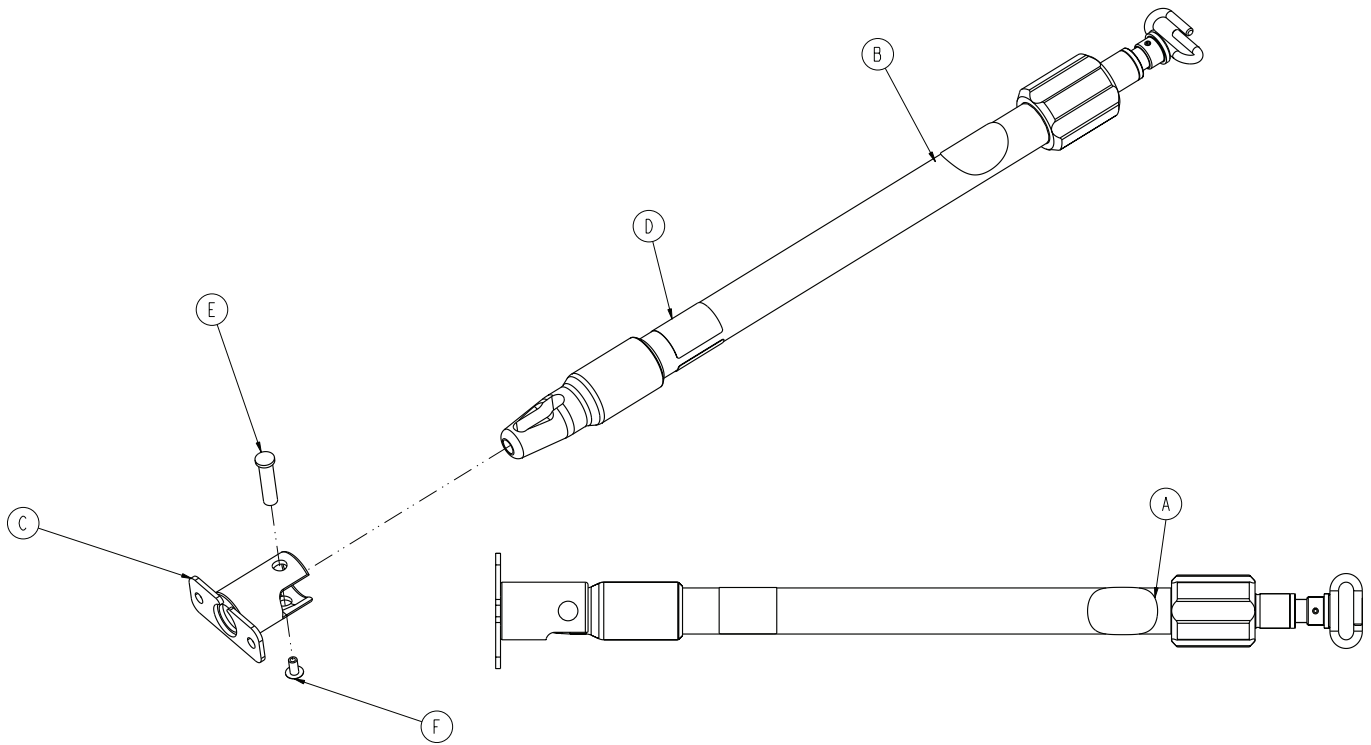
Rev AA (Reference only)



Item	Number	Name	Quantity
A	650600350901	Label, EAR	1
B	6070-210-070	Pole assembly	1
C	6100-115-051	Socket weldment	1
D	6500-101-253	Label, two-stage IV pole, patient right	1
E	0025-079-000	Dome head pop rivet	1
F	6070-110-037	IV pivot pin	1

HAVASU IV pole assembly, three-stage, patient right - 6500-101-043

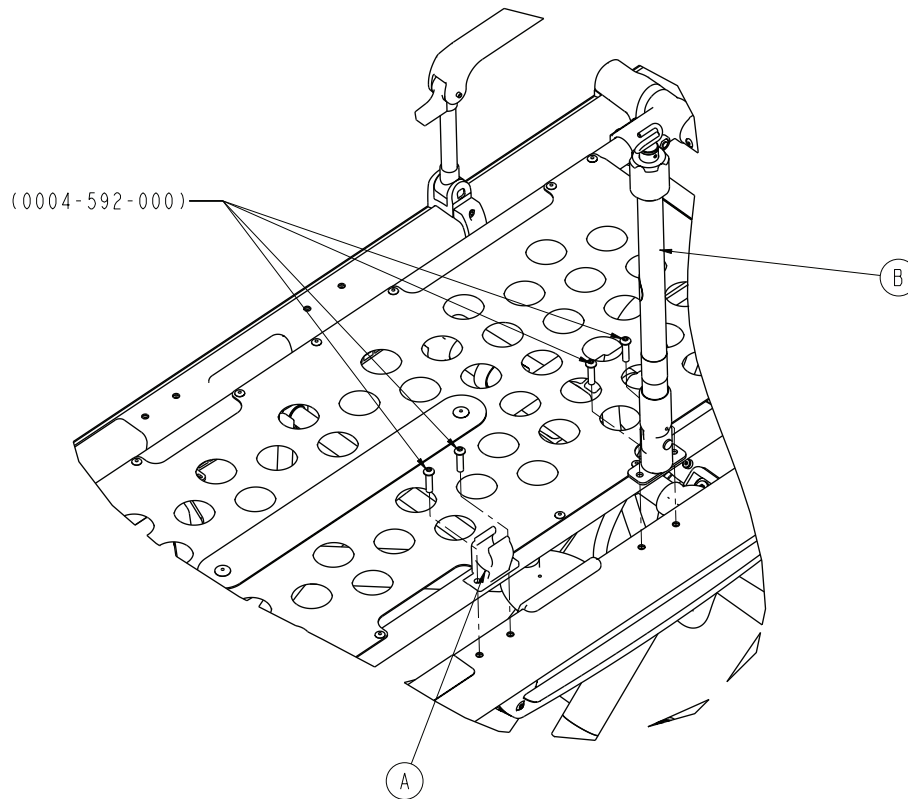
Rev AA (Reference only)



Item	Number	Name	Quantity
A	650600350901	Label, EAR	1
B	6070-215-070	Pole assembly	1
C	6100-115-051	Socket weldment	1
D	6500-101-255	Label, three-stage IV pole, patient right	1
E	6070-110-037	IV pivot pin	1
F	0025-079-000	Dome head pop rivet	1

IV pole assembly, two-stage, patient left - 6500-311-000

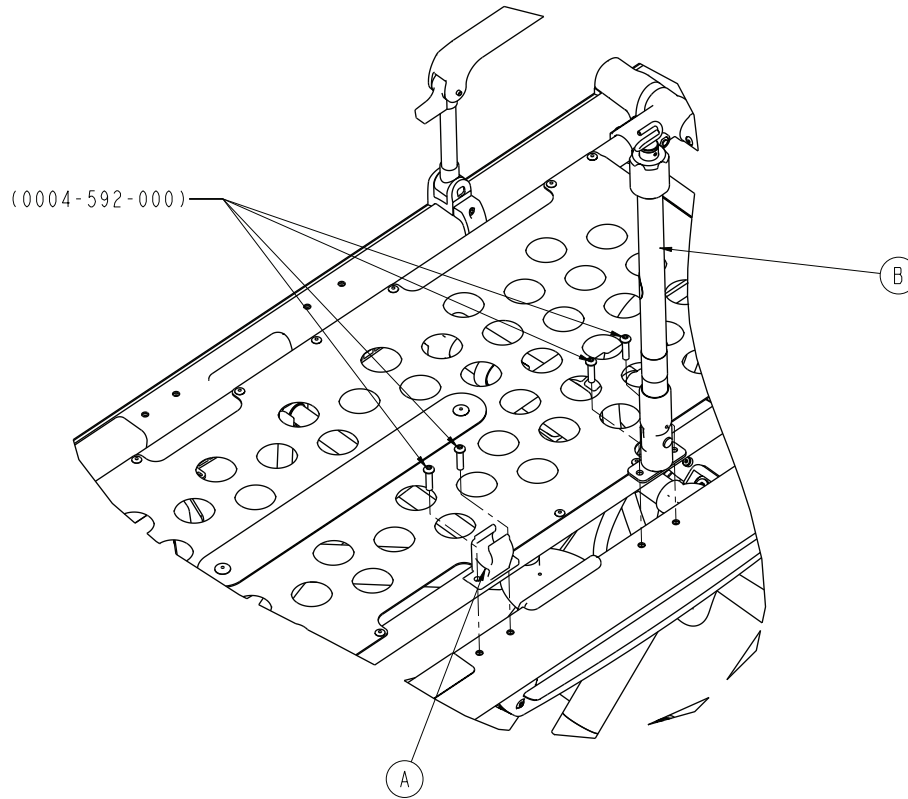
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	1
B	6500-101-042	HAVASU IV pole assembly, two-stage, patient left - 6500-101-042 (page 140)	1

IV pole assembly, three-stage, patient left - 6500-316-000

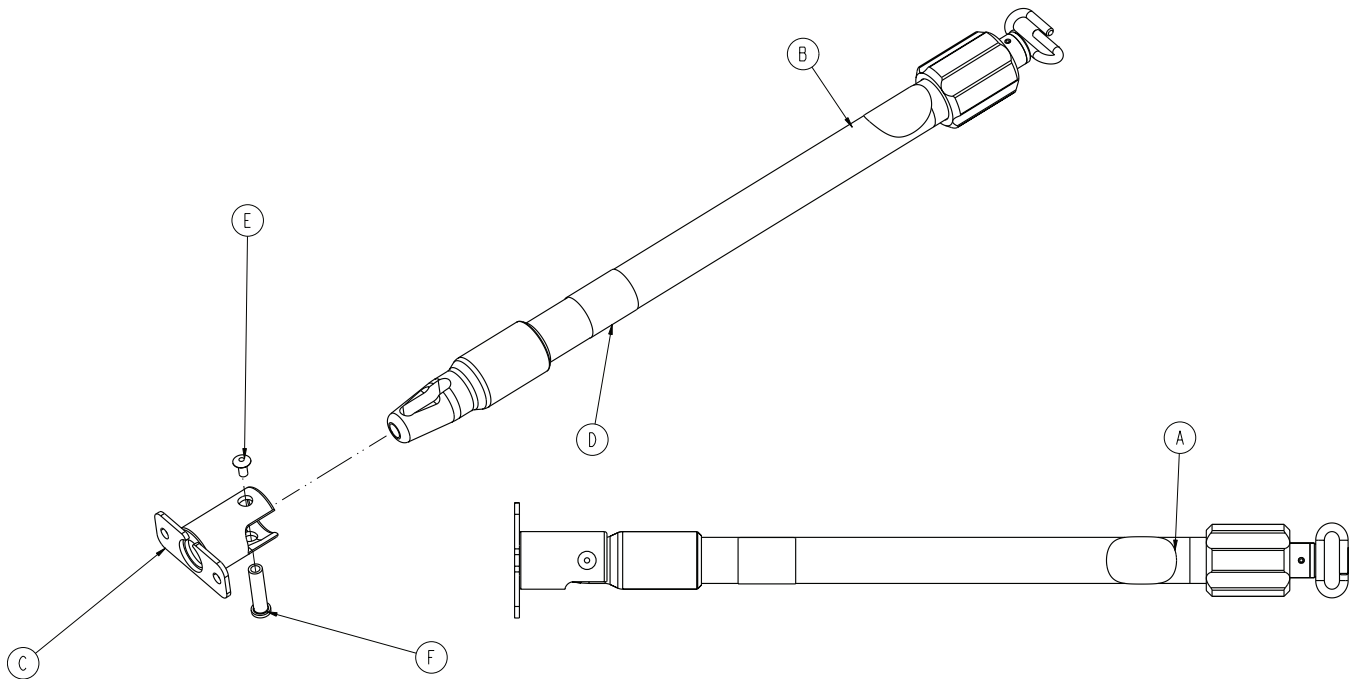
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip IV pole	1
B	6500-101-044	HAVASU IV pole assembly, three-stage, 1 patient left - 6500-101-044 (page 141)	1

HAVASU IV pole assembly, two-stage, patient left - 6500-101-042

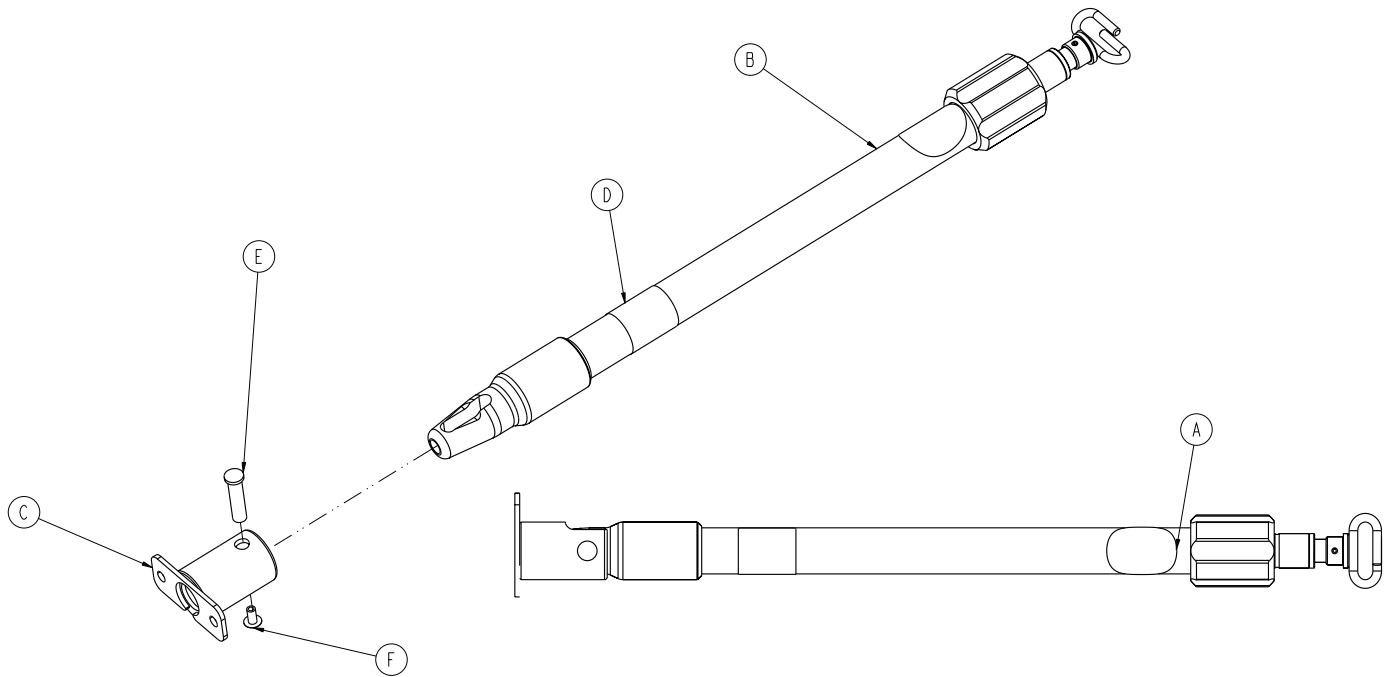
Rev AA (Reference only)



Item	Number	Name	Quantity
A	650600350901	Label, EAR	1
B	6070-210-070	Pole assembly	1
C	6100-115-051	Socket weldment	1
D	6500-101-254	Label, two-stage IV pole, patient left	1
E	0025-079-000	Dome head pop rivet	1
F	6070-110-037	IV pivot pin	1

HAVASU IV pole assembly, three-stage, patient left - 6500-101-044

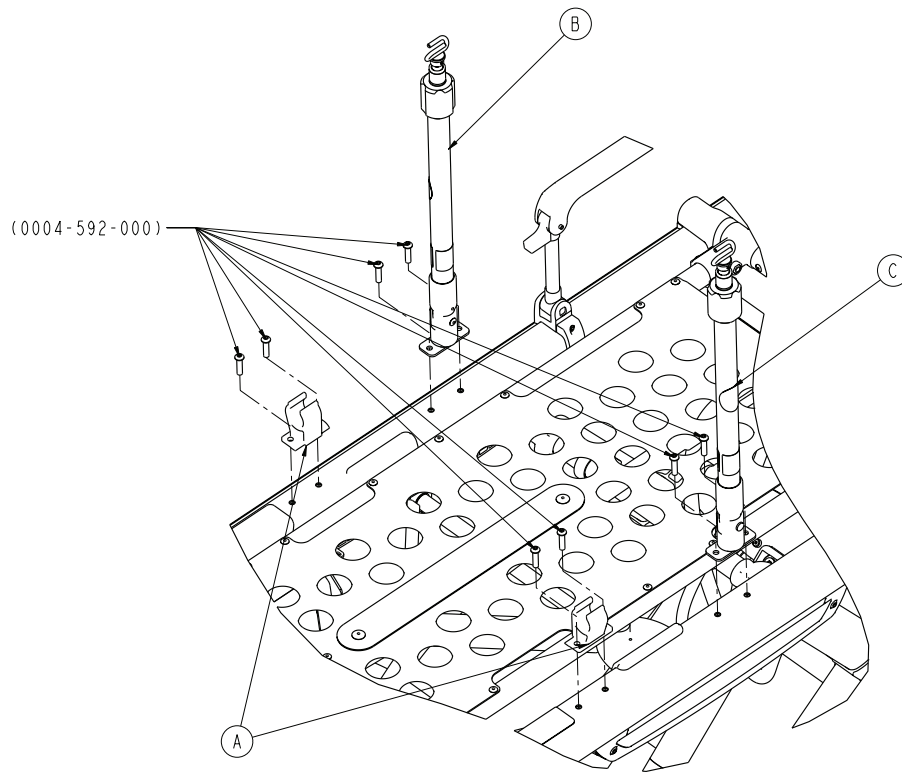
Rev AA (Reference only)



Item	Number	Name	Quantity
A	650600350901	Label, EAR	1
B	6070-215-070	Pole assembly	1
C	6100-115-051	Socket weldment	1
D	6500-101-256	Label, three-stage IV pole, patient left	1
E	6070-110-037	IV pivot pin	1
F	0025-079-000	Dome head pop rivet	1

IV pole assembly, two-stage, dual - 6500-312-000

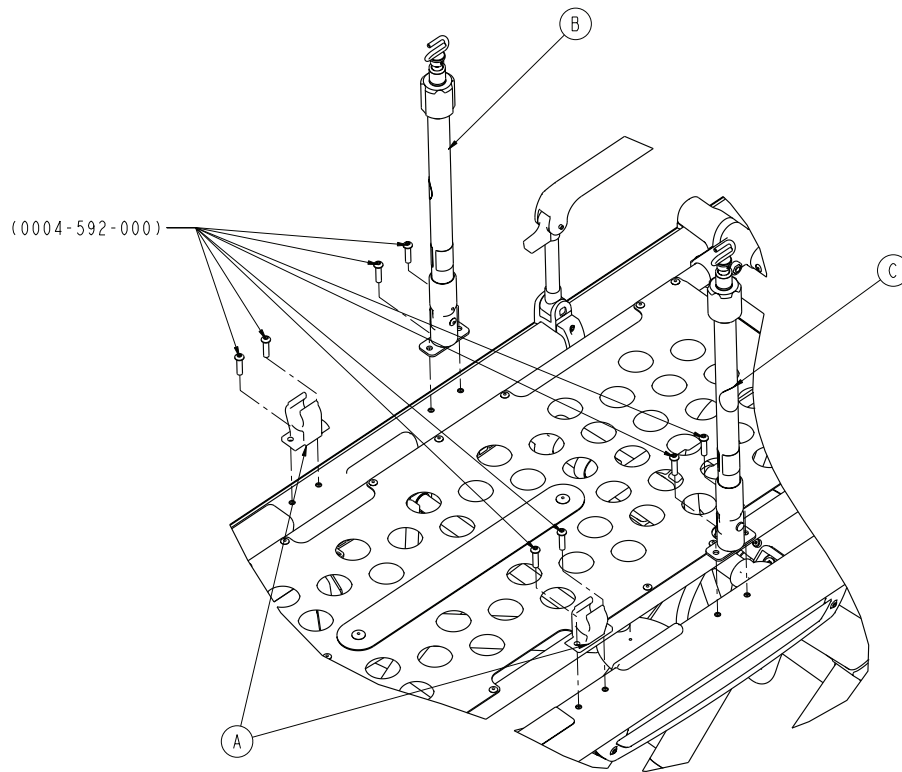
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	2
B	6500-101-041	HAVASU IV pole assembly, two-stage, patient right - 6500-101-041 (page 136)	1
C	6500-101-042	HAVASU IV pole assembly, two-stage, patient left - 6500-101-042 (page 140)	1

IV pole assembly, three-stage, dual - 6500-317-000

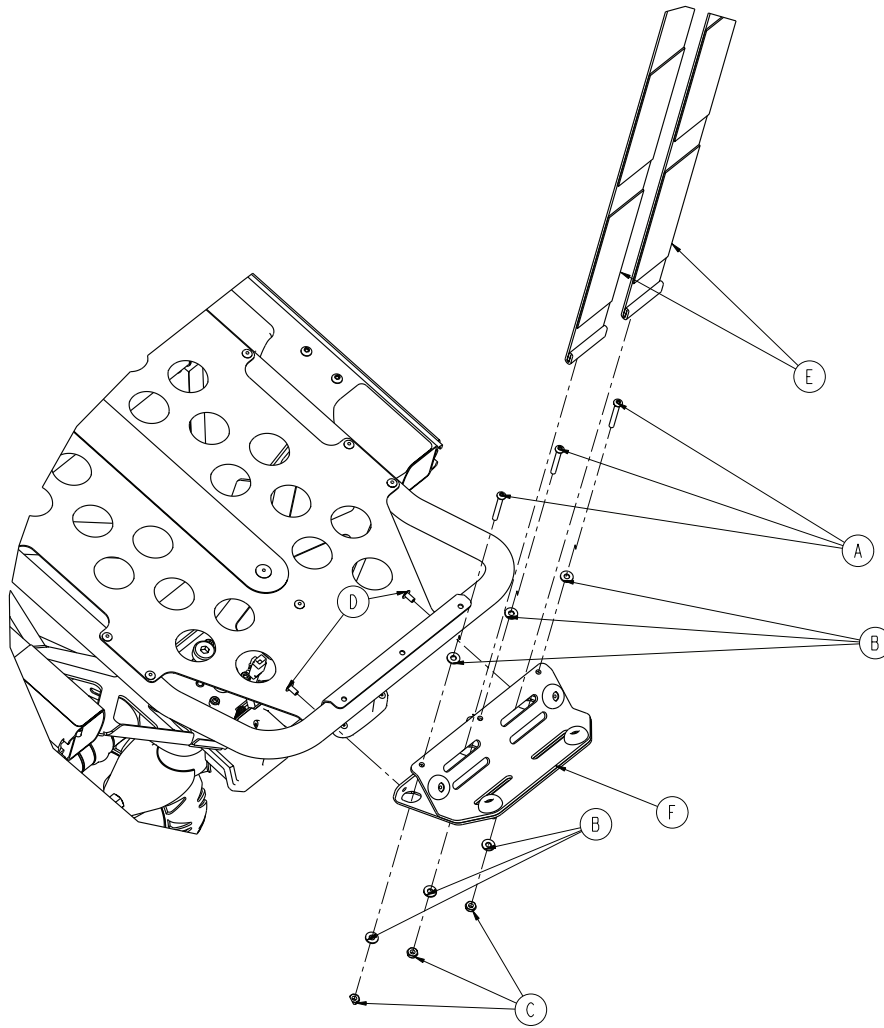
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	2
B	6500-101-043	HAVASU IV pole assembly, three-stage, 1 patient right - 6500-101-043 (page 137)	
C	6500-101-044	HAVASU IV pole assembly, three-stage, 1 patient left - 6500-101-044 (page 141)	

Oxygen bottle holder option, foot end - 6500-240-000

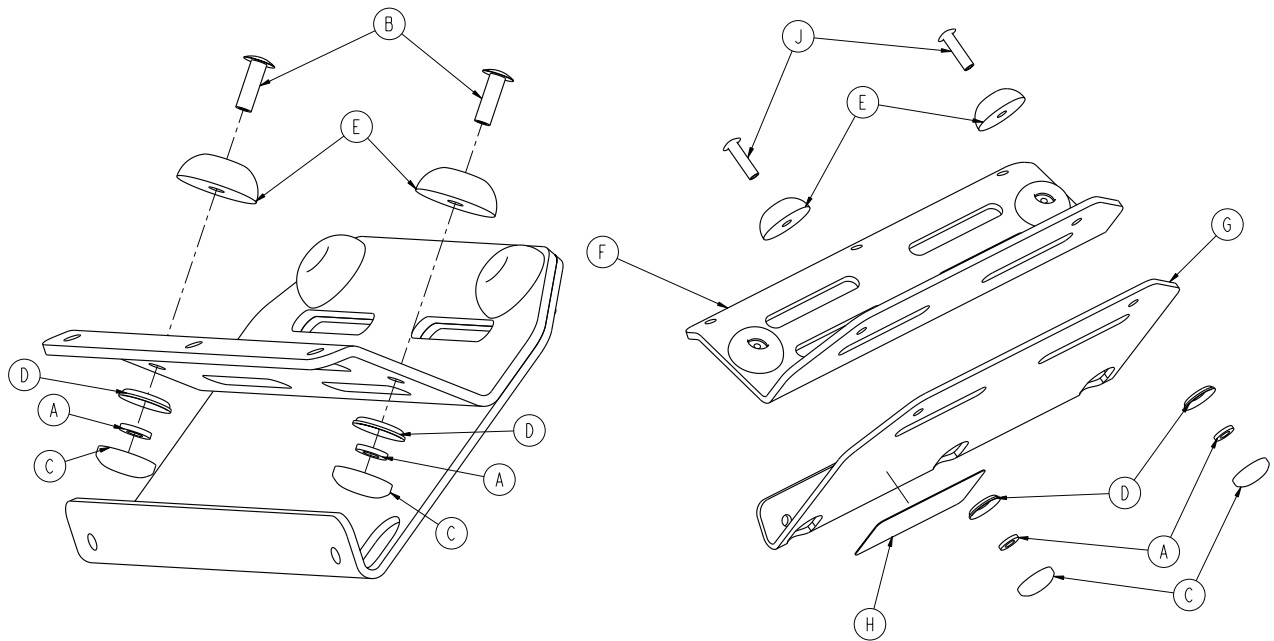
Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-862-000	Button head cap screw	3
B	0011-001-000	Flat washer	6
C	0016-131-000	Nylock hex nut	3
D	0025-079-000	Dome head pop rivet	2
E	6060-140-013	Oxygen bottle restraint strap	2
F	6500-101-040	Oxygen bottle holder assembly (page 145)	1

Oxygen bottle holder assembly

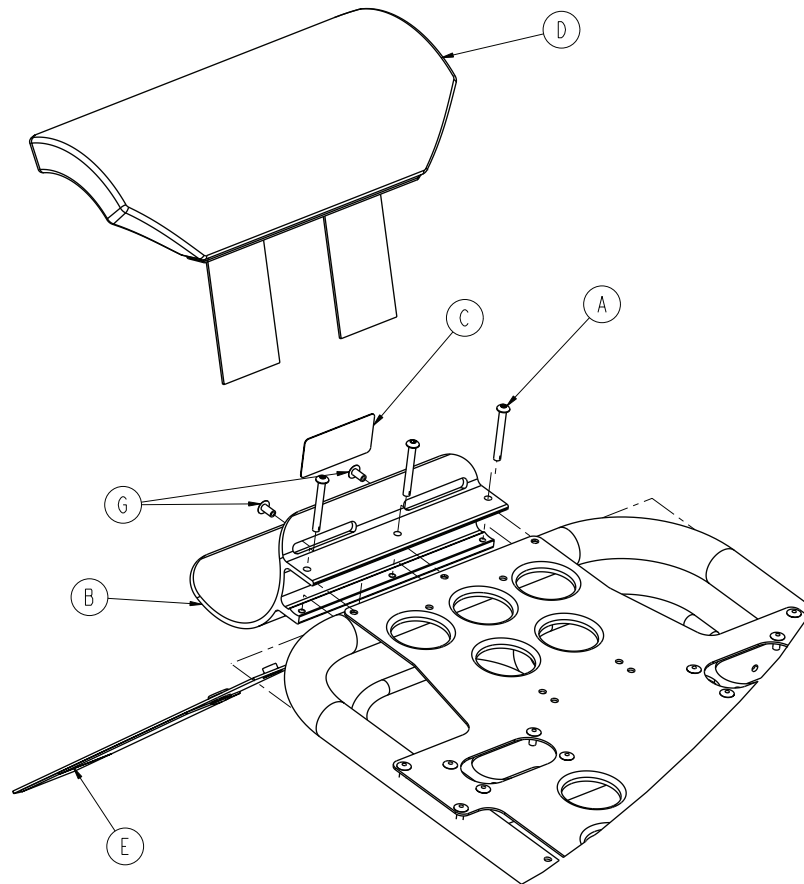
6500-101-040 Rev A (Reference only)



Item	Number	Name	Quantity
A	0011-436-000	Washer	4
B	0025-133-000	Dome head rivet	2
C	0037-055-000	Black protective cap	4
D	0037-056-000	Retaining washer	4
E	0946-001-155	Bumper	4
F	6500-001-239	Tray	1
G	6500-001-240	Bracket	1
H	6500-101-257	Label	1
J	0025-086-000	Blind rivet	2

Oxygen bottle holder option, Fowler - 6500-241-000

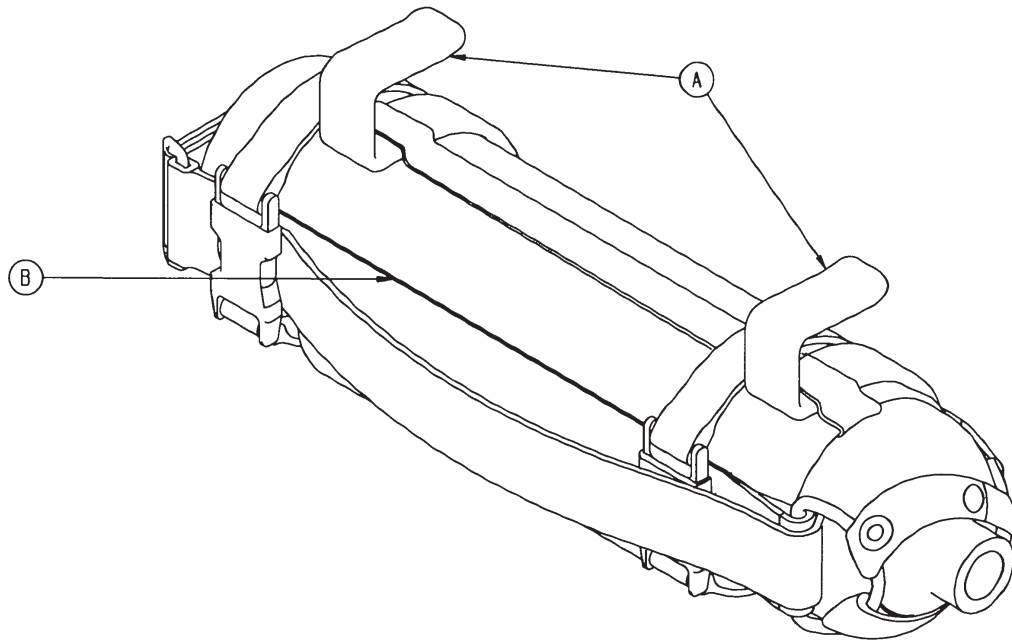
Rev B (Reference only)



Item	Number	Name	Quantity
A	0004-636-000	Button head cap screw	3
B	6500-001-119	Backrest oxygen holder bracket	1
C	6500-101-231	Label, Fowler oxygen bottle holder	1
D	6500-001-260	Fowler oxygen bottle holder cover	1
E	6500-001-261	Fowler oxygen bottle holder strap	1
G	0025-079-000	Dome head pop rivet	2

Removable oxygen bottle holder option - 6080-140-000

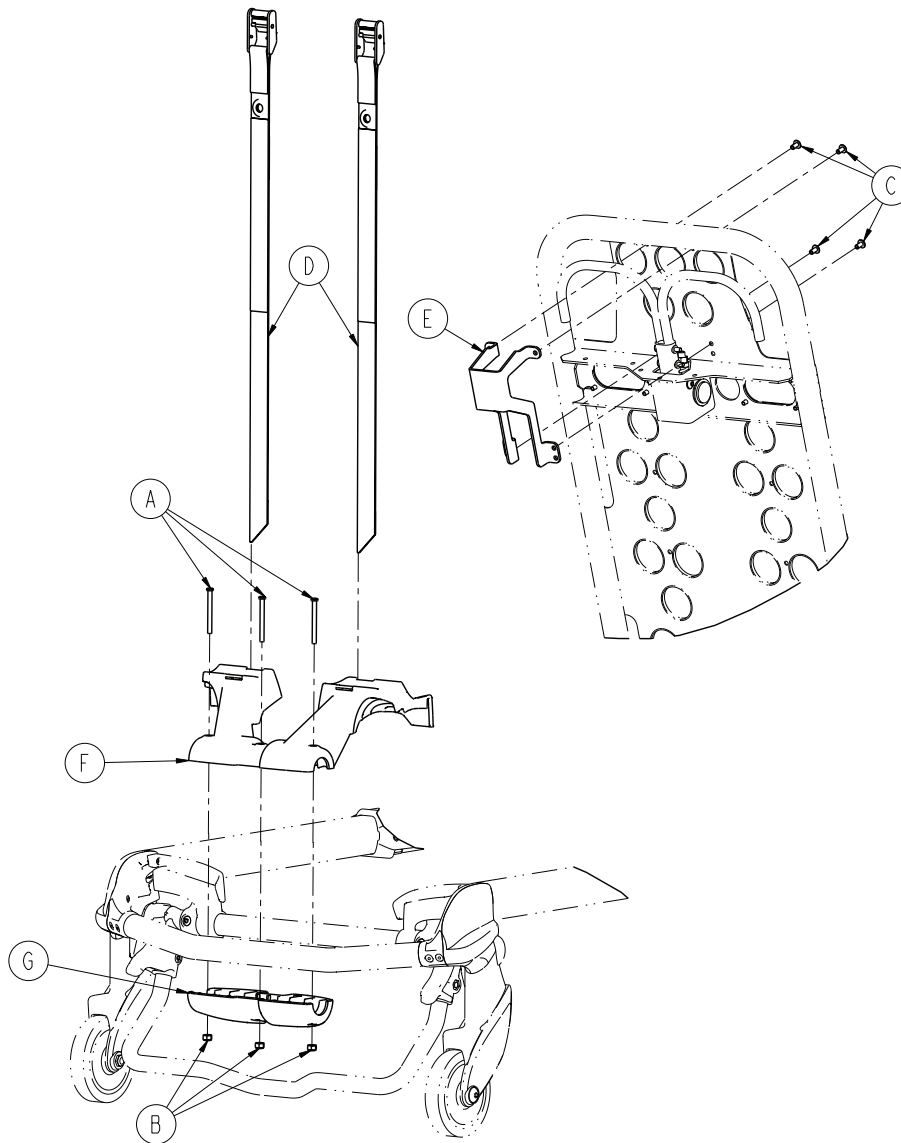
6080-140-010 Rev A (Reference only)



Item	Number	Name	Quantity
A	6080-140-011	Oxygen bottle holder hanger	2
B	6080-140-012	Oxygen bottle holder	1

Retractable head section oxygen bottle holder option - 6085-046-000

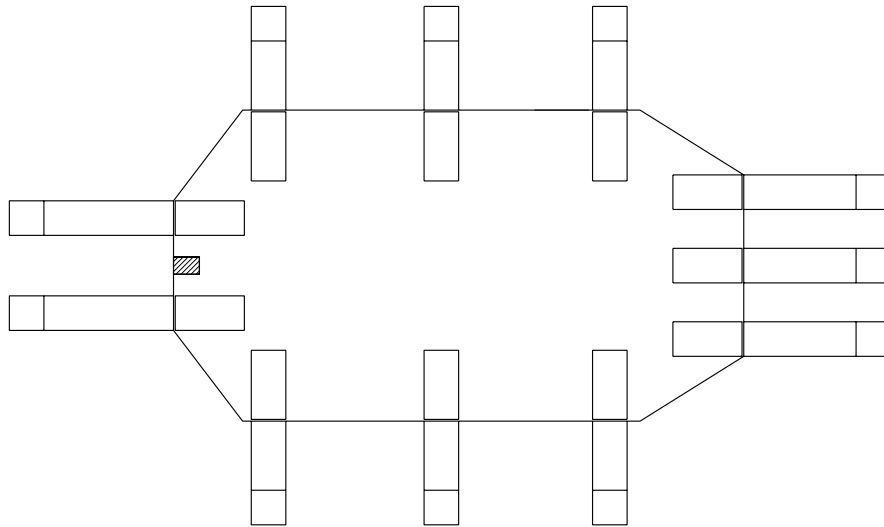
Rev B (Reference only)



Item	Number	Name	Quantity
A	0004-656-000	Socket head cap screw	3
B	0016-002-000	Fiberlock hex nut	3
C	0025-079-000	Dome head rivet	4
D	6085-001-171	Oxygen strap, head end	2
E	6085-001-172	Oxygen Fowler guard	1
F	6085-001-173	Oxygen bottle holder, top	1
G	6085-001-174	Oxygen bottle holder, bottom	1

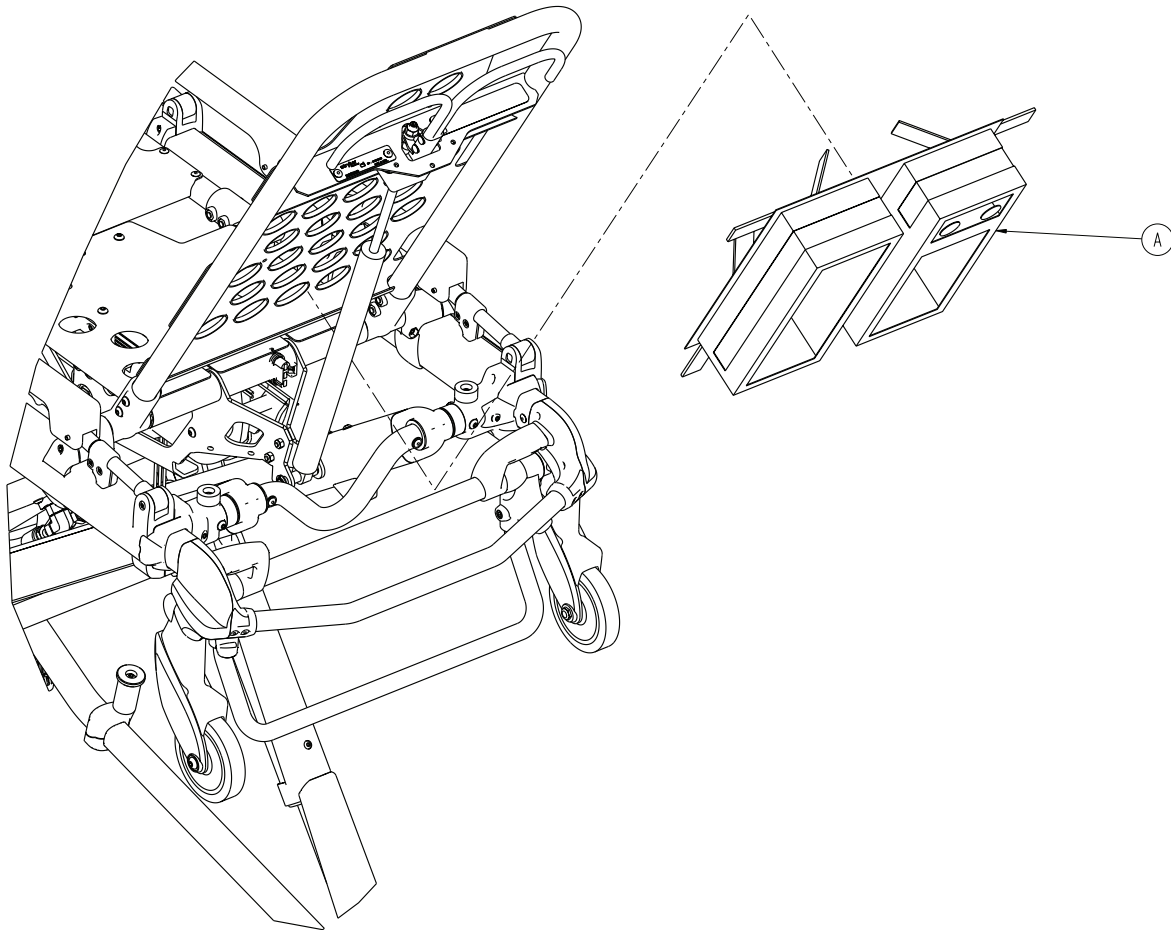
Base storage net option- 6500-160-000

6500-001-126 Rev AB (Reference only)



Backrest pouch option - 6500-130-000

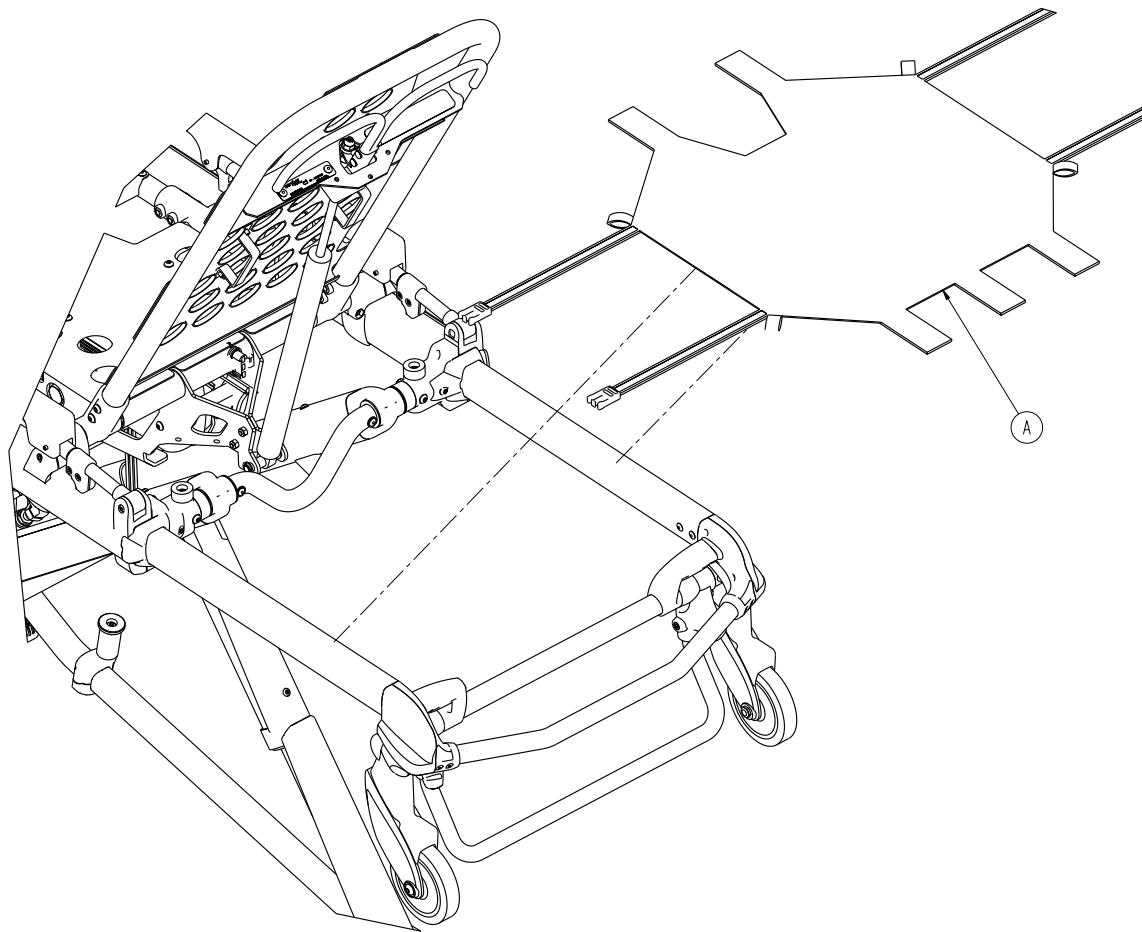
Rev A (Reference only)



Item	Number	Name	Quantity
A	6500-001-241	Pocketed backrest storage pouch	1

Head end storage flat option - 6500-128-000

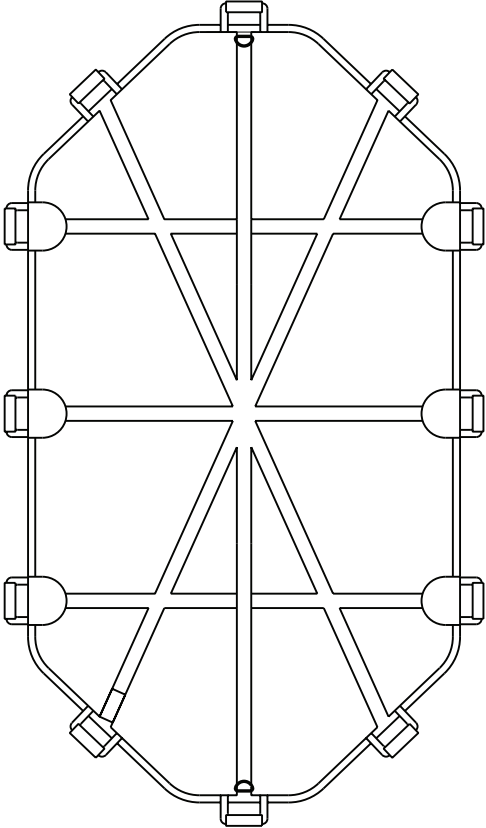
Rev A (Reference only)



Item	Number	Name	Quantity
A	6500-001-232	Head end storage flat	1

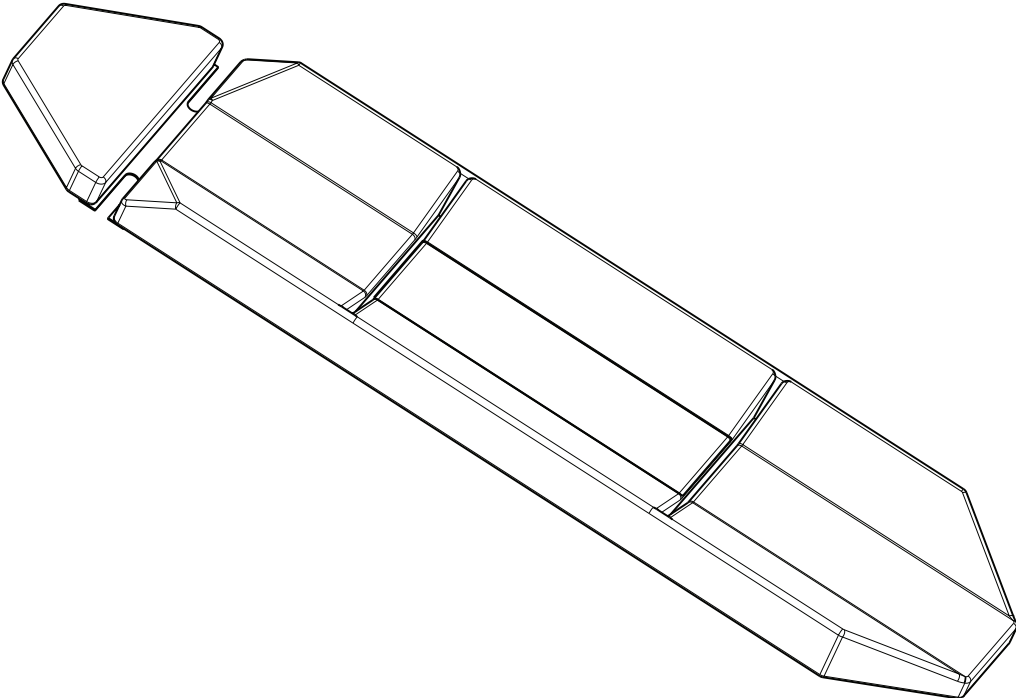
Transfer flat option

6005-001-001 Rev AA (Reference only)



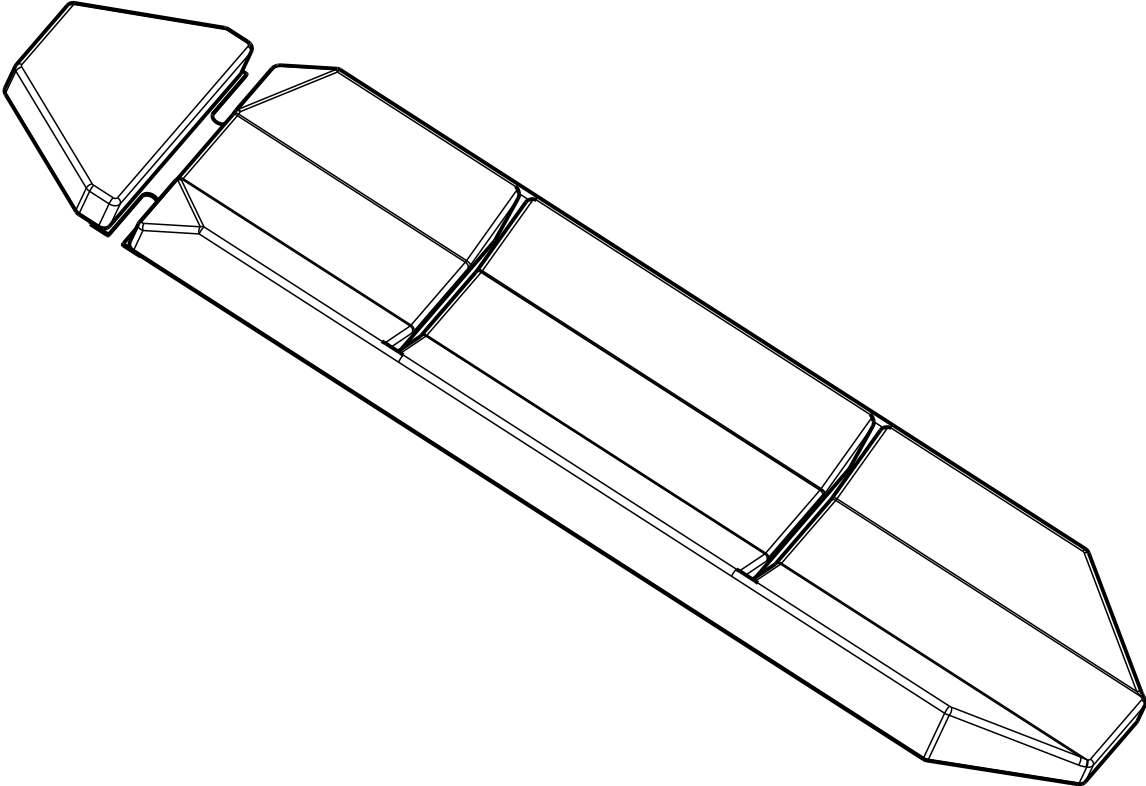
Mattress option, knee Gatch bolster - 6506-034-000

6500-002-150 Rev AB (Reference only)



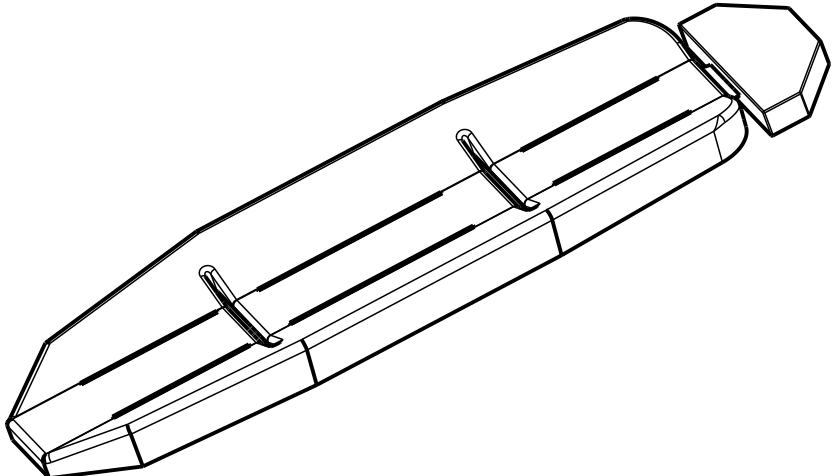
Mattress option, knee Gatch bolster, grey - 6506-033-000

6506-002-150 Rev AB (Reference only)



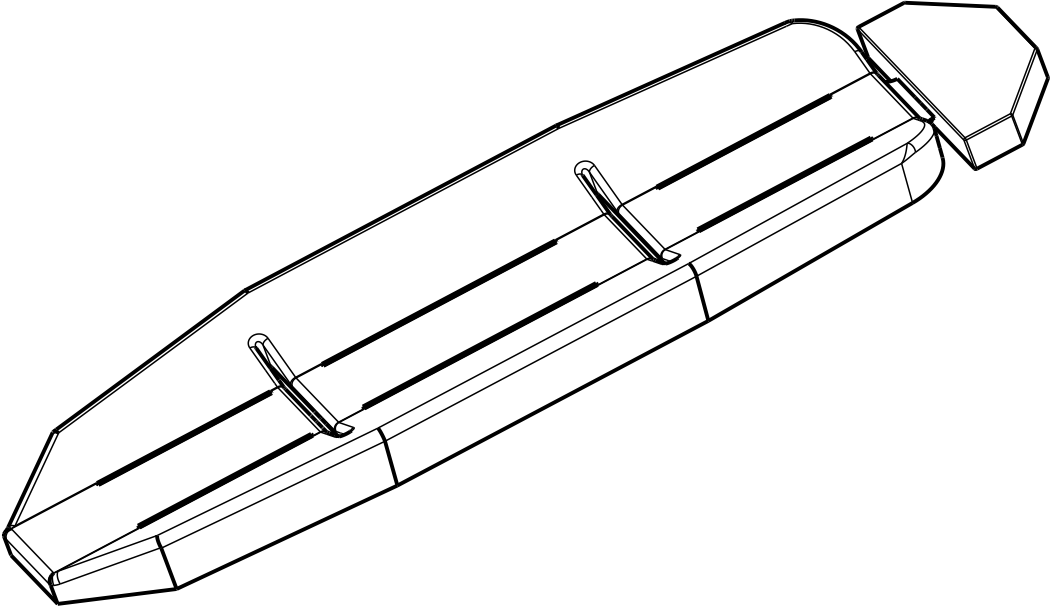
Mattress option, knee Gatch bolster, XPS - 6500-003-130

Rev AB (Reference only)



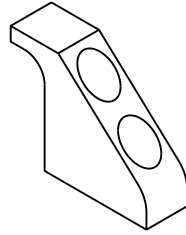
Mattress option, knee Gatch bolster, grey, XPS - 6506-041-000

6506-003-130 Rev AB (Reference only)

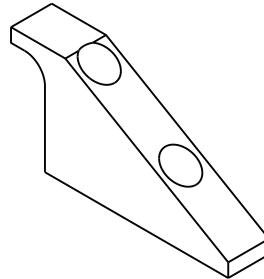


Safety hook, short - 6060-036-017/Safety hook, long - 6060-036-018/ Safety hook, J - 6092-036-018

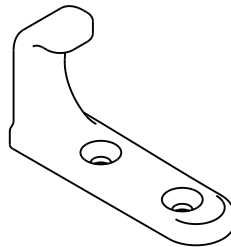
Safety hook, short - 6060-036-017 Rev A (Reference only)



Safety hook, long - 6060-036-018 Rev D (Reference only)



Safety hook, J - 6092-036-018 Rev A (Reference only)



MTS assembly, low config. option - 650605550001

Rev AA (Reference only)

Note - See *Cot assembly* (page 45) for assembly view and drawing notes.

Item	Number	Name	Quantity
AA	650600550026	MTS standard component 6506 Power-PRO , low config.	1
AB	609200550036	MTS safety hook, SST	1
AC	6500-001-430	<i>X-restraint package option - 6500-001-430</i> (page 118)	1
AD	608500550031	MTS trend	1
AE	608500550033	MTS cot retaining post, right	1
AF	005400550030	MTS domestic shipping	1
AG	6500-002-150	<i>Mattress option, knee Gatch bolster - 6506-034-000</i> (page 153)	1
AH	650600550037	MTS no Steer-Lock	1
AJ	650000550038	MTS SMRT complete system, 120V AC, 12V DC, bracket, domestic	1
AK	650600550029	MTS non- Power-LOAD compatible	1
AL	608500550046	MTS retractable head section oxygen bottle holder	1
AN	650600550031	MTS siderail	1
AP	650000550147	MTS equipment hook	1
AR	6500-001-232	<i>Head end storage flat option - 6500-128-000</i> (page 151)	1
AS	650000550315	MTS three-stage IV pole, right	1
AT	650600550012	MTS standard Fowler	1

MTS assembly, mid config. option - 650605550002

Rev AB (Reference only)

Note - See *Cot assembly* (page 45) for assembly view and drawing notes.

Item	Number	Name	Quantity
AA	650600550027	MTS standard component 6506 Power-PRO , mid config.	1
AB	609200550036	MTS safety hook, SST	1
AC	6500-001-430	<i>X-restraint package option - 6500-001-430</i> (page 118)	1
AD	608500550031	MTS trend	1
AE	608500550033	MTS cot retaining post, right	1
AF	005400550030	MTS domestic shipping	1
AG	6500-003-130	<i>Mattress option, knee Gatch bolster, XPS - 6500-003-130</i> (page 155)	1
AH	650600550037	MTS no Steer-Lock	1
AJ	650000550038	MTS SMRT complete system, 120V AC, 12V DC, bracket, domestic	1
AK	650600550035	MTS 6506 Power-LOAD and Performance-LOAD	1
AL	608500550046	MTS retractable head section oxygen bottle holder	1
AN	650600550040	MTS XPS siderail	1
AP	650000550147	MTS equipment hook	1
AR	6500-001-232	<i>Head end storage flat option - 6500-128-000</i> (page 151)	1
AS	650000550315	MTS three-stage IV pole, right	1
AT	650600550012	MTS standard Fowler	1
AU	6500-001-241	<i>Backrest pouch option - 6500-130-000</i> (page 150)	1
AV	639000010931	Label, Power-PRO XT , wireless	1

MTS assembly, high config. option - 650605550003

Rev AB (Reference only)

Note - See *Cot assembly* (page 45) for assembly view and drawing notes.

Item	Number	Name	Quantity
AA	650600550028	MTS standard component 6506 Power-PRO , high config.	1
AB	609200550036	MTS safety hook, SST	1
AC	6500-001-430	<i>X-restraint package option - 6500-001-430</i> (page 118)	1
AD	650000550082	MTS Gatch	1
AE	608500550033	MTS cot retaining post, right	1
AF	005400550030	MTS domestic shipping	1
AG	6500-003-130	<i>Mattress option, knee Gatch bolster, XPS - 6500-003-130</i> (page 155)	1
AH	650600550038	MTS Steer-Lock	1
AJ	650000550038	MTS SMRT complete system, 120V AC, 12V DC, bracket, domestic	1
AK	650600550035	MTS 6506 Power-LOAD and Performance-LOAD	1
AL	608500550046	MTS retractable head section oxygen bottle holder	1
AN	650600550040	MTS XPS siderail	1
AP	650000550147	MTS equipment hook	1
AR	6500-001-232	<i>Head end storage flat option - 6500-128-000</i> (page 151)	1
AS	650000550315	MTS three-stage IV pole, right	1
AT	650600550012	MTS standard Fowler	1
AU	6500-001-241	<i>Backrest pouch option - 6500-130-000</i> (page 150)	1
AV	639000010931	Label, Power-PRO XT , wireless	1

EMC information

CAUTION

- 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 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 reorienting the equipment.

Guidance and manufacturer's declaration - electromagnetic emissions

Power-PRO and **SMRT** charger are intended for use in the electromagnetic environment specified below. The customer or the user of **Power-PRO** and **SMRT** charger should assure that they are used in such an environment.

Emissions test	Compliance	Electromagnetic environment
RF Emissions CISPR 11	Group 1	Power-PRO and SMRT charger use RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Group 2	Power-PRO with the Power-LOAD compatibility option must emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected.
RF Emissions CISPR 11	Power-PRO : Class A	Power-PRO is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
	SMRT charger (6500-201-010): Class B	The SMRT charger is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Power-PRO : N/A SMRT charger (6500-201-010): Class A	The SMRT charger is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Voltage Fluctuations Flicker Emissions IEC 61000-3-3	Power-PRO : N/A SMRT charger (6500-201-010): complies	The SMRT charger is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

CAUTION

- Portable RF communications equipment, including peripherals such as antenna cables and external antennas, should be used no closer than 12 inches (30 cm) to any part of **Power-PRO** and **SMRT** charger, including cables specified by the manufacturer.

- Avoid stacking or placing other equipment adjacent to **Power-PRO** and **SMRT** charger to prevent improper operation of the products. If such use is necessary, carefully observe **Power-PRO** and **SMRT** charger and the other equipment to make sure that they are operating properly.

Recommended separations distances between portable and mobile RF communications equipment and Power-PRO and SMRT charger

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

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $D=(1.2) (\sqrt{P})$	80 MHz to 800 MHz $D=(0.35) (\sqrt{P})$	800 MHz to 2.7 GHz $D=(0.70) (\sqrt{P})$
0.01	0.12	0.04	0.07
0.1	0.38	0.11	0.22
1	1.20	0.35	0.70
10	3.79	1.11	2.21
100	12	3.50	7

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 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Guidance and manufacturer's declaration - electromagnetic immunity

Power-PRO and **SMRT** charger are suitable for use in the electromagnetic environment specified below. The customer or the user of **Power-PRO** and **SMRT** charger should assure that they are used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
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	Power-PRO: N/A SMRT charger (6500-201-010): ± 2 kV for power supply lines ± 1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.

Guidance and manufacturer's declaration - electromagnetic immunity

<p>Surge IEC 61000-4-5</p>	<p>± 1 kV line(s) to line(s) ± 2 kV line(s) to earth</p>	<p>Power-PRO: N/A SMRT charger (6500-201-010): ± 1 kV line(s) to line(s) ± 2 kV line(s) to earth</p>	<p>Mains power quality should be that of a typical commercial or hospital environment.</p>
<p>Voltage dips, voltage variations and short interruptions on power supply input lines IEC 61000-4-11</p>	<p>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 cycles 0% U_T for 250 cycles</p>	<p>Power-PRO: N/A SMRT charger (6500-201-010): 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 cycles 0% U_T for 250 cycles</p>	<p>Mains power quality should be that of a typical commercial or hospital environment. If the user of the SMRT charger requires continued operation during power main interruptions, it is recommended that the device be powered from an uninterrupted power supply or a battery.</p>
<p>Power frequency (50/60Hz) magnetic field IEC 61000-4-8</p>	<p>30 A/m</p>	<p>30 A/m</p>	<p>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.</p>
<p>Electrical transient conduction along supply lines ISO 7637-2</p>	<p>per ISO 7637-2</p>	<p>Power-PRO: N/A SMRT Charger (6500-201-010): per ISO 7637-2</p>	<p>N/A</p>

Note: U_T is the a.c. mains voltage before applications of the test level.

Guidance and manufacturer's declaration - electromagnetic immunity

Note 1: At 80 MHz and 800 MHz, the higher frequency range applies.

Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

Note 3: 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. The amateur radio bands between 0.15 MHz and 80 MHz are 1.8 MHz to 2.0 MHz, 3.5 MHz to 4.0 MHz, 5.3 MHz to 5.4 MHz, 7 MHz to 7.3 MHz, 10.1 MHz to 10.15 MHz, 14 MHz to 14.2 MHz, 18.07 MHz to 18.17 MHz, 21.0 MHz to 21.4 MHz, 24.89 MHz to 24.99 MHz, 28.0 MHz to 29.7 MHz and 50.0 MHz to 54.0 MHz.

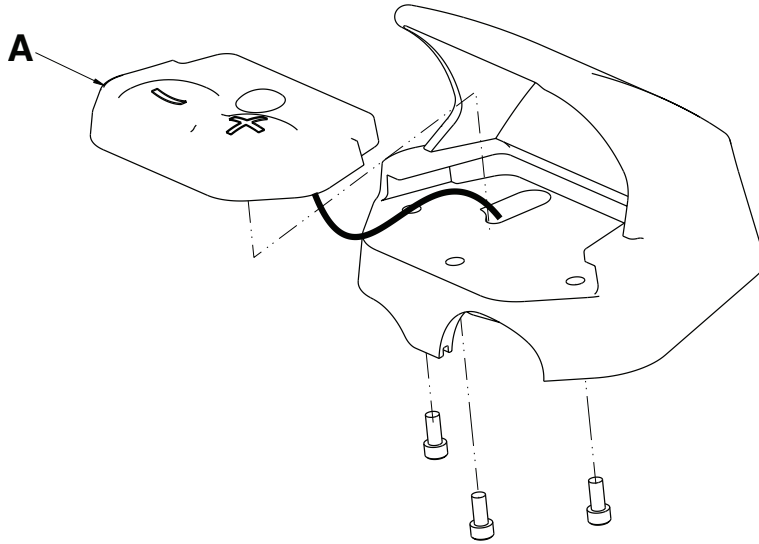
^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters,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

^b Over the frequency range 150 kHz to 80 MHz, field strengths are less than 10 V/m.

Recycling passport

650600010016

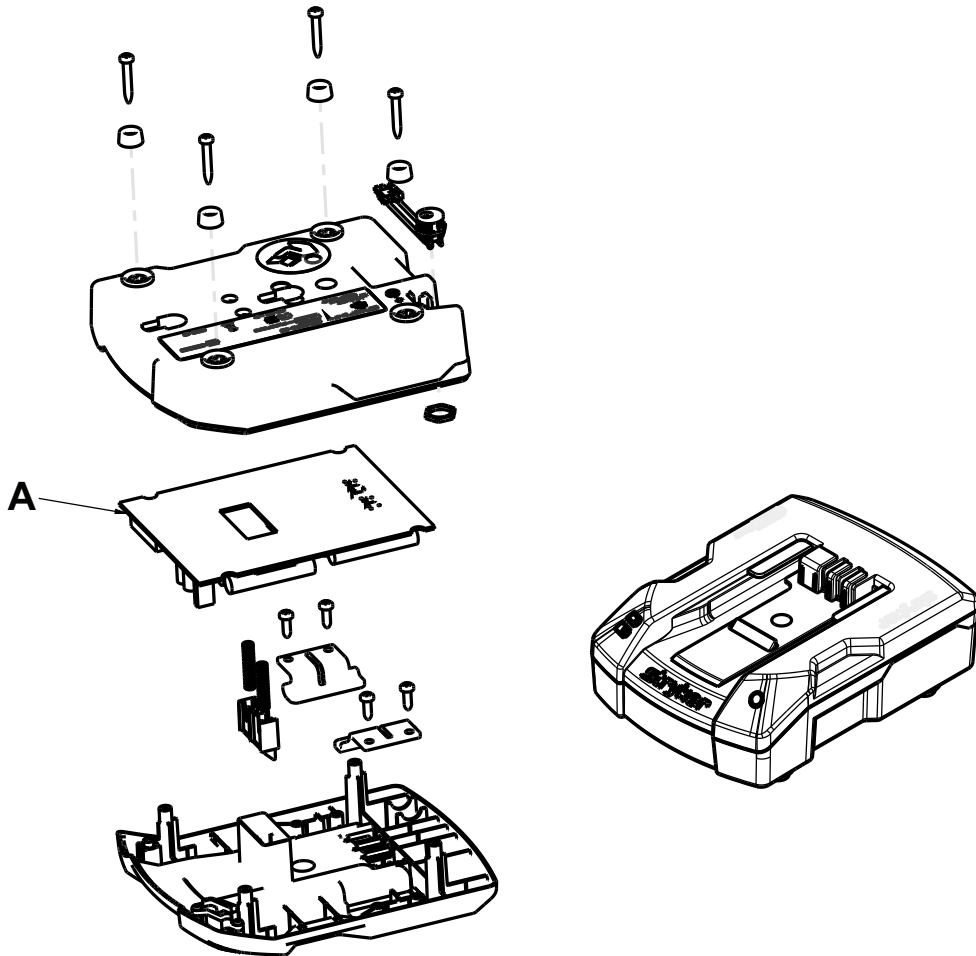
Rev AA



Item	Recyclable part number	Material code	Important information	Quantity
A	650600010130	Printed circuit board		2

6500-201-010

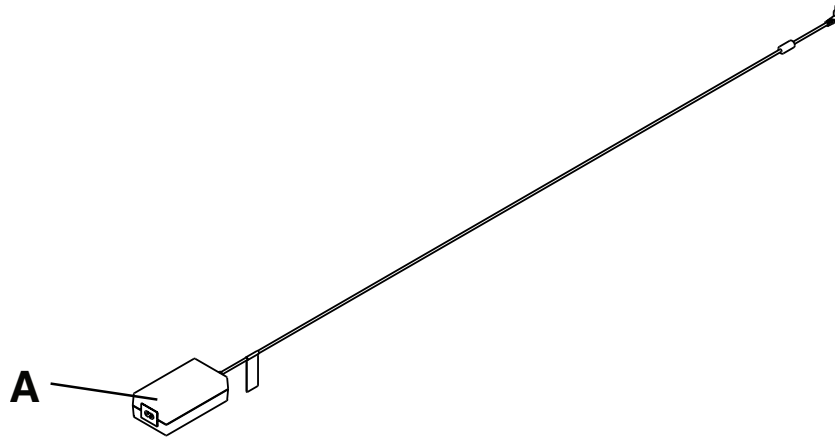
Rev AA



Item	Recyclable part number	Material code	Important information	Quantity
A	6500-201-140	Charger PCB		1

6500-201-148

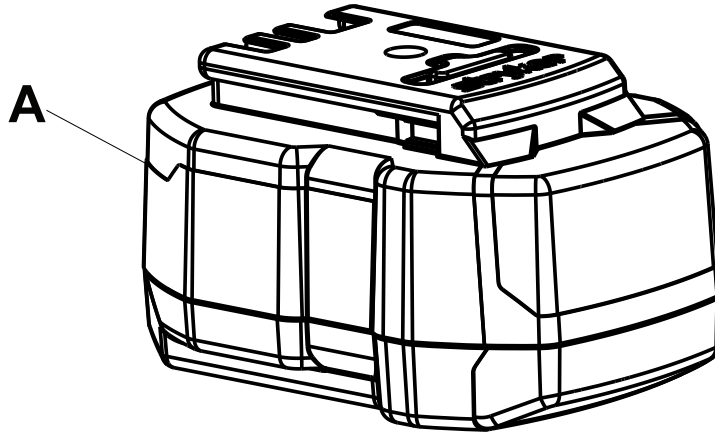
Rev AA



Item	Recyclable part number	Material code	Important information	Quantity
A	6500-201-248	Power supply		1

6500-101-010

Rev AC



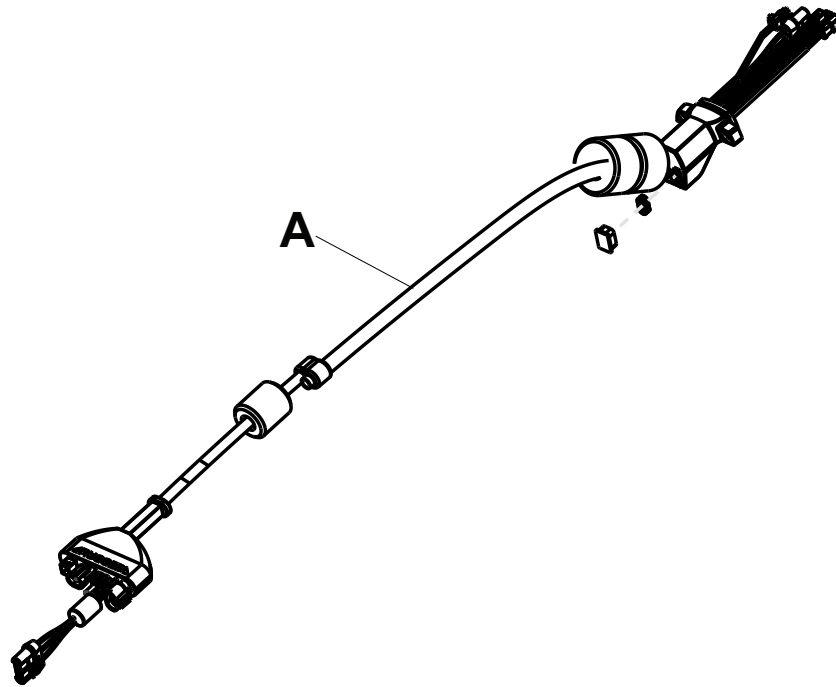
Item	Recyclable part number	Material code	Important information	Quantity
A	6500-101-010	NiCd		2



The Rechargeable Battery Recycling Corporation (RBRC) is a non-profit, public service organization that promotes the recycling of portable rechargeable batteries. Batteries must be delivered to a battery collection site. Visit the RBRC website (www.rbc.org) to find a nearby collection site or call the phone number shown on the recycling symbol.

6500-002-159

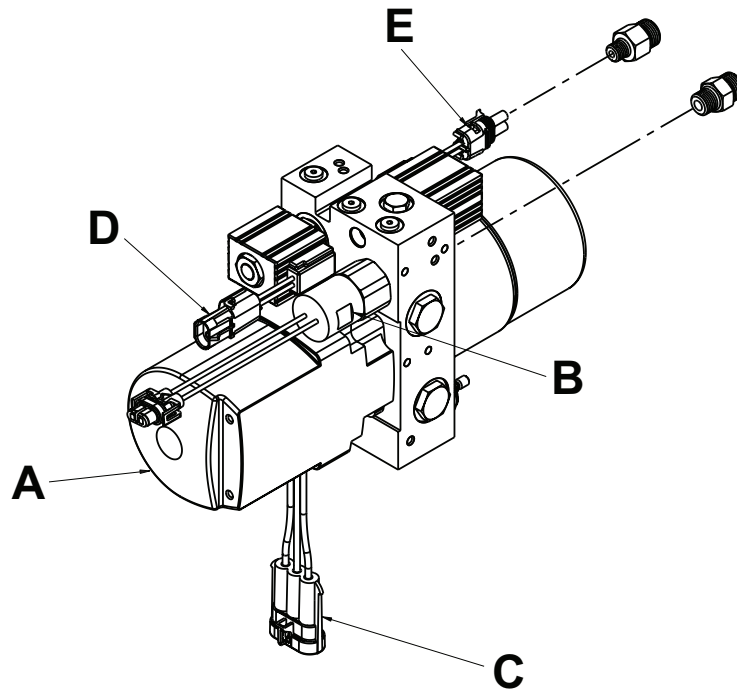
Rev AB



Item	Recyclable part number	Material code	Important information	Quantity
A	6500-002-159	External electrical cable		1

6500-001-214

Rev N

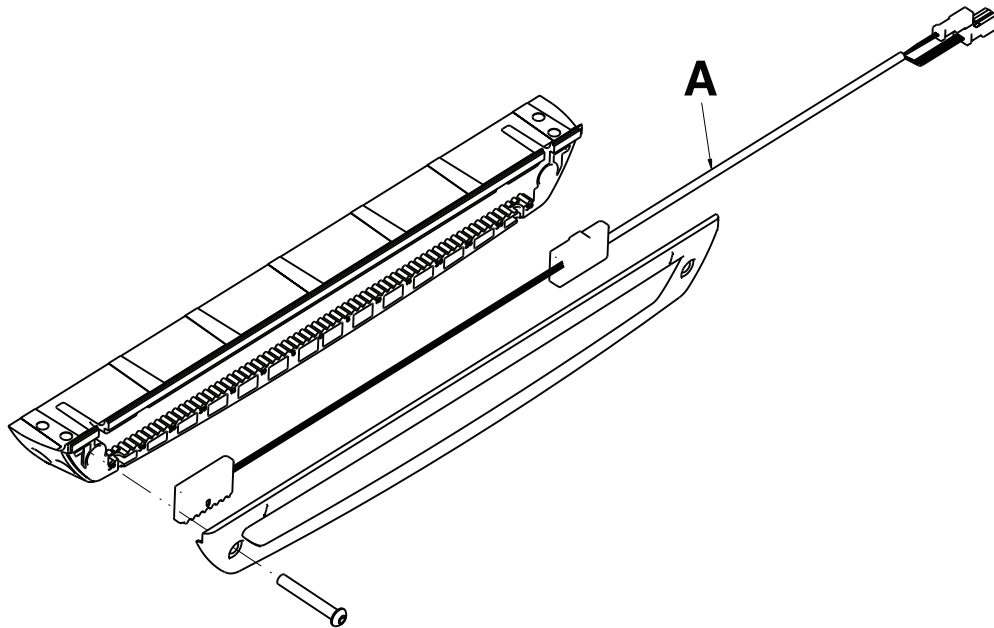


Item	Recyclable part number	Material code	Important information	Quantity
A	413768	Motor	Contains automatic transmission fluid*	1
B	6500-001-290	External electrical cable		1
C	12264	External electrical cable		1
D	12010973	External electrical cable		1
E	12015792	External electrical cable		1

*Mobil Mercon V Synthetic blend or equivalent

6500-002-028

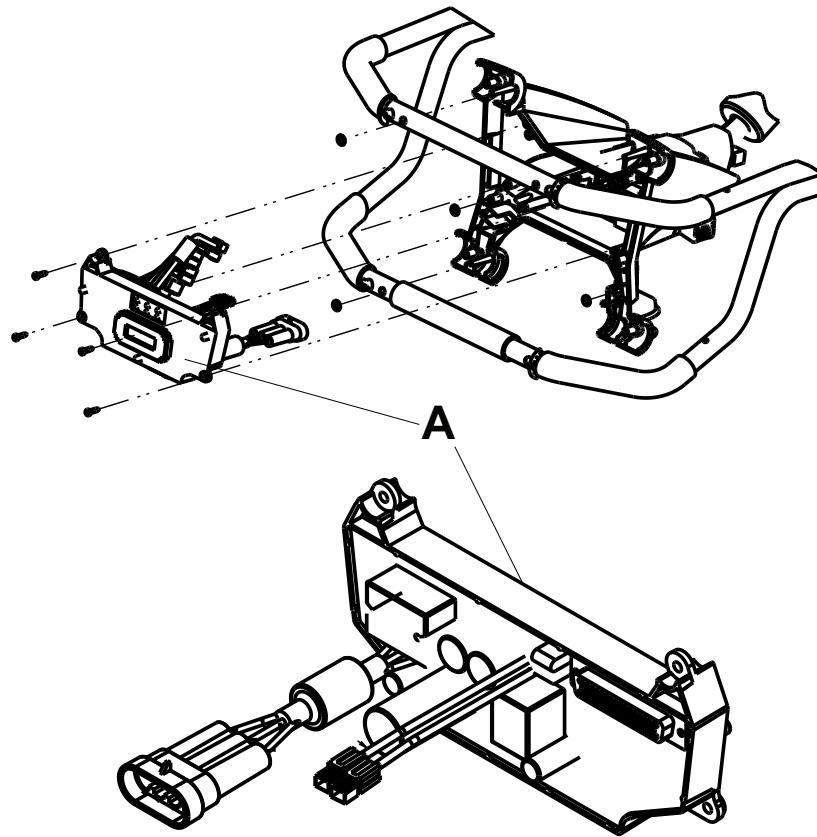
Rev A



Item	Recyclable part number	Material code	Important information	Quantity
A	6500-001-160	Printed circuit board		1

6500-102-015

Rev AA



Item	Recyclable part number	Material code	Important information	Quantity
A	6500-102-014	Printed circuit board	Contains liquid crystal display	1



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