

## 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.
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## Pinch points

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

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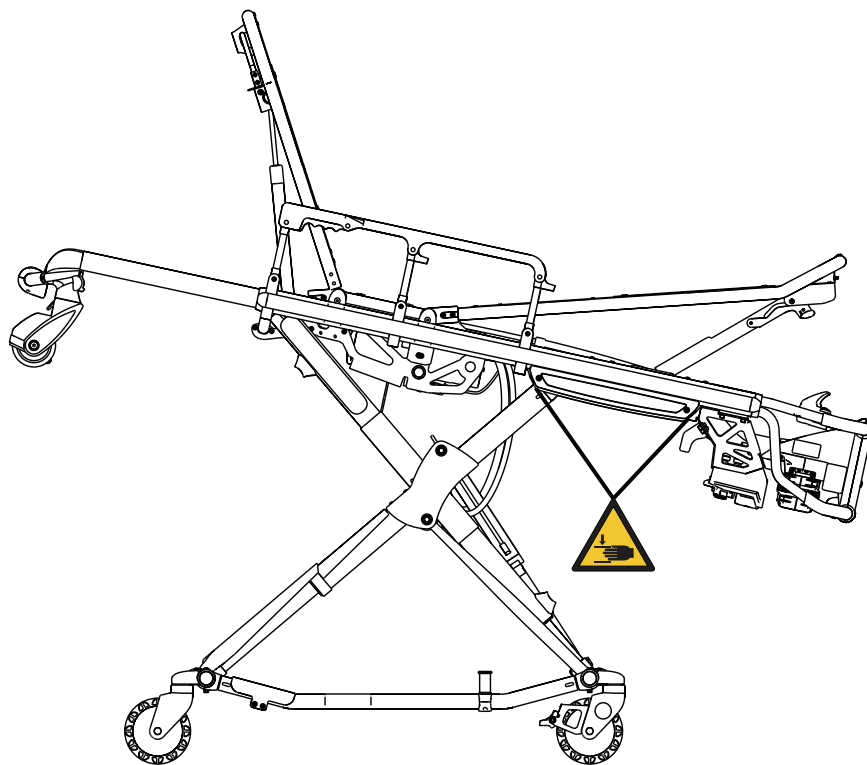


Figure 1 – Pinch points

## Mechanical stability

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### 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

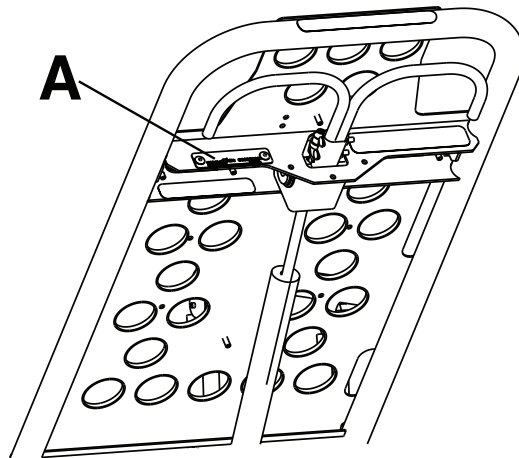


Figure 3 – Serial number location

## 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

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## 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

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

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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	<b>SMRT</b> Pak housing and terminal area for cracks or damage before first and every use
Charger	<b>SMRT</b> 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 <b>Tri-Flow®</b> 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

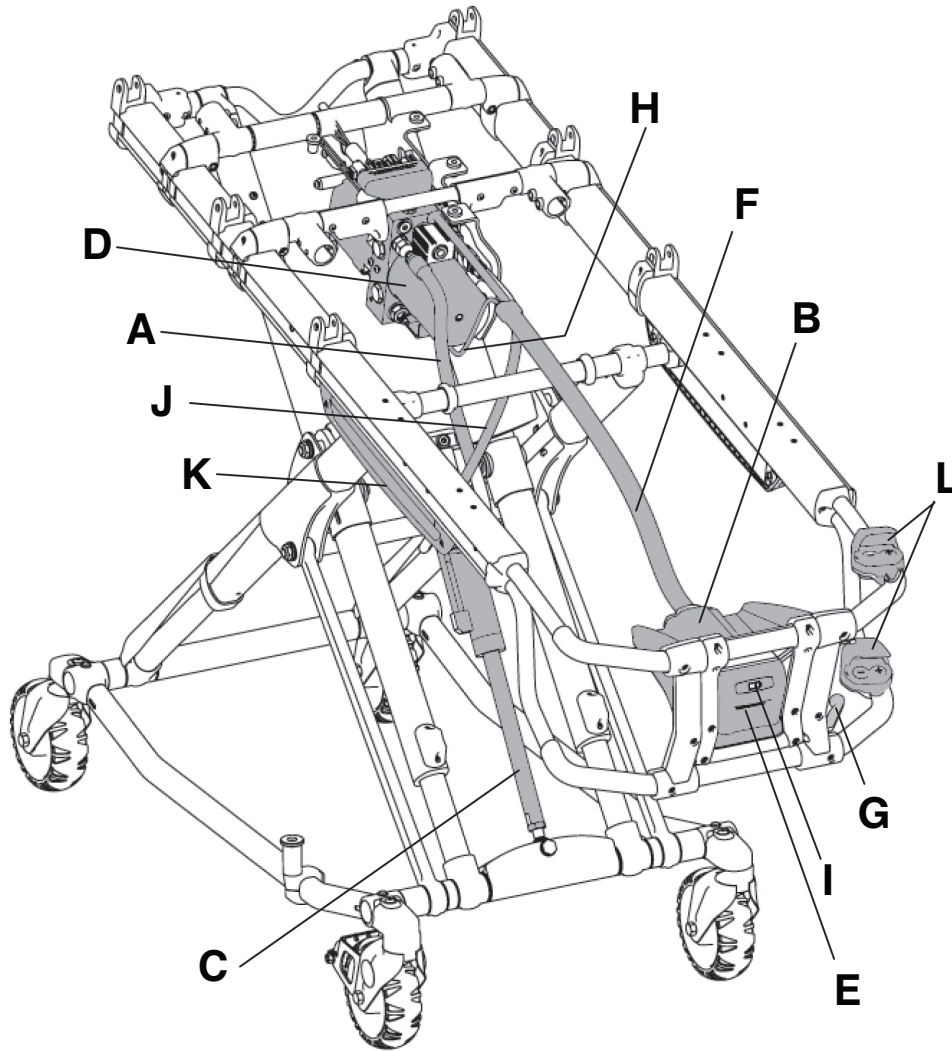




# Troubleshooting

## Electronics and hydraulics locator

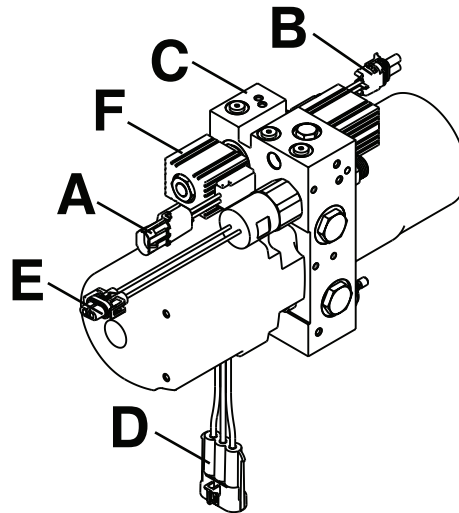
**Note** - Some components have been removed for clarity.



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

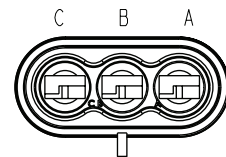
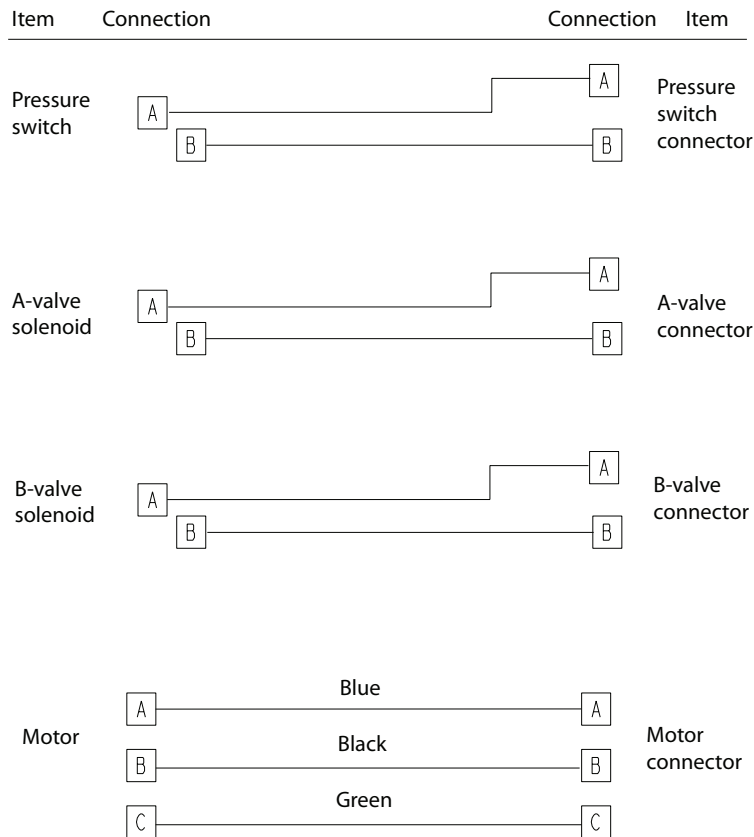
G	Manual backup release handle
H	Manual release cable
I	Power indicator LED
J	Rod-side hydraulic hose
K	Sensor housing (hall effects sensor inside)
L	Switches, height adjustment

# Hydraulic assembly



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

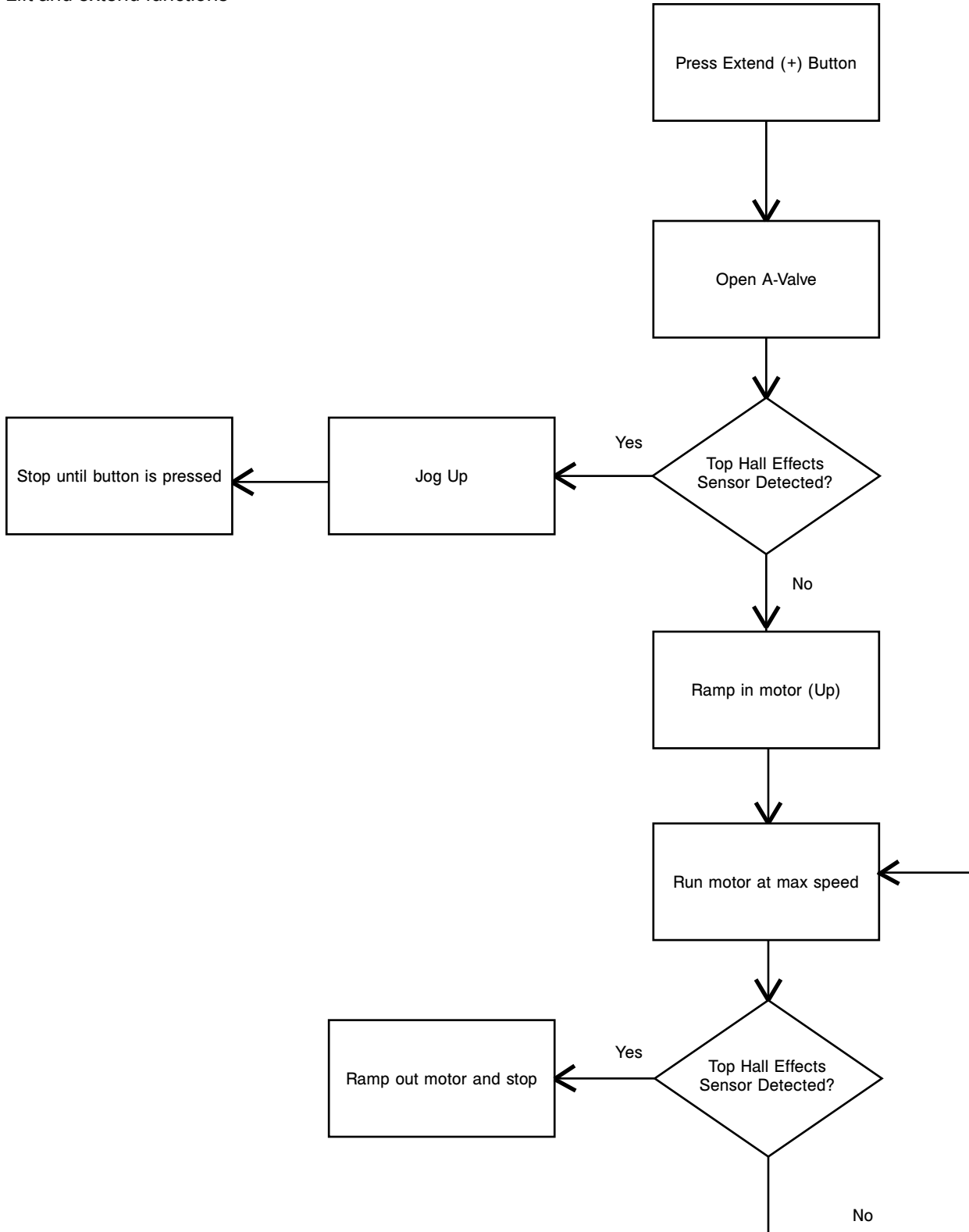
## Hydraulic assembly wiring schematics





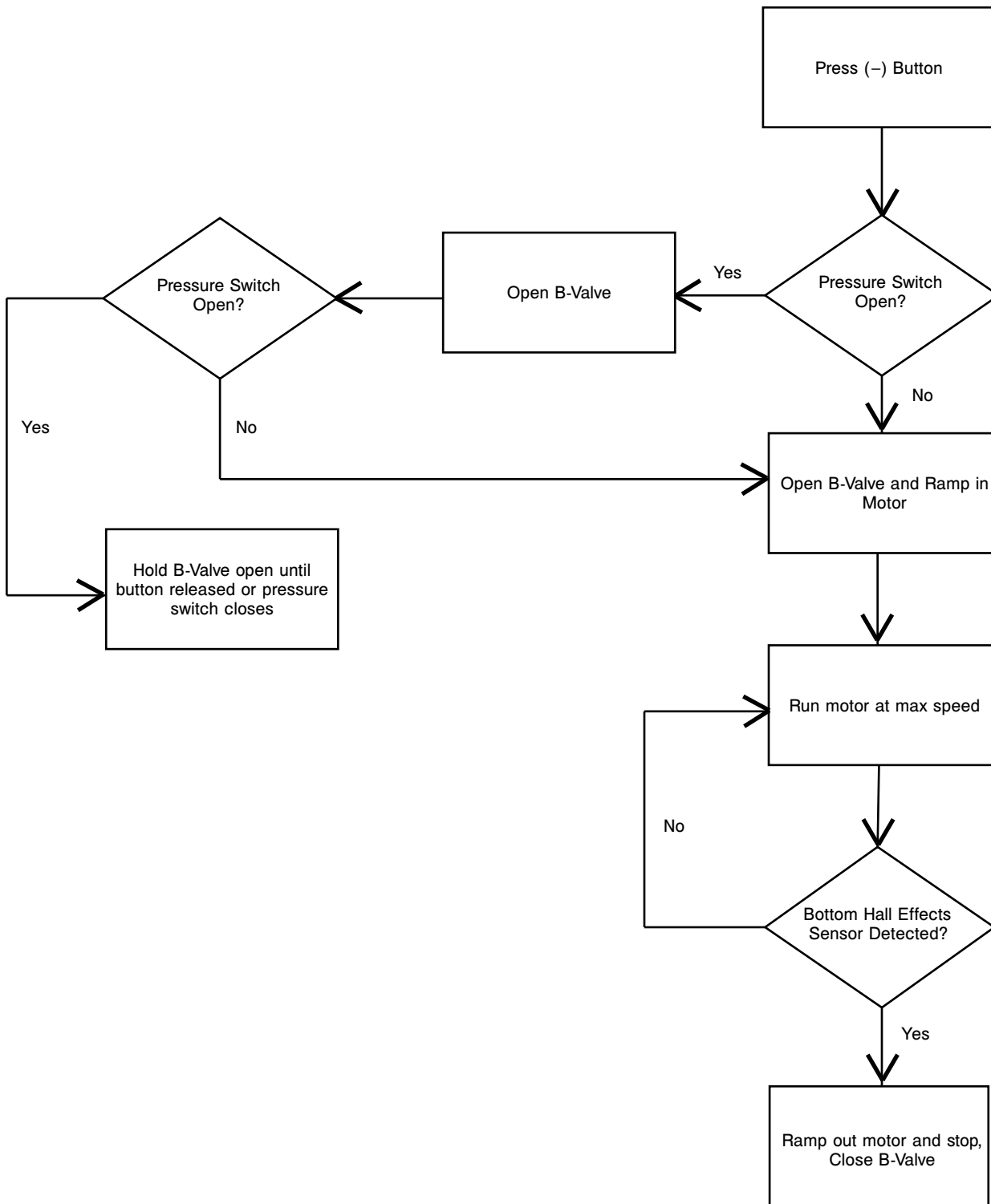
# Electrical system block diagram – unload

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

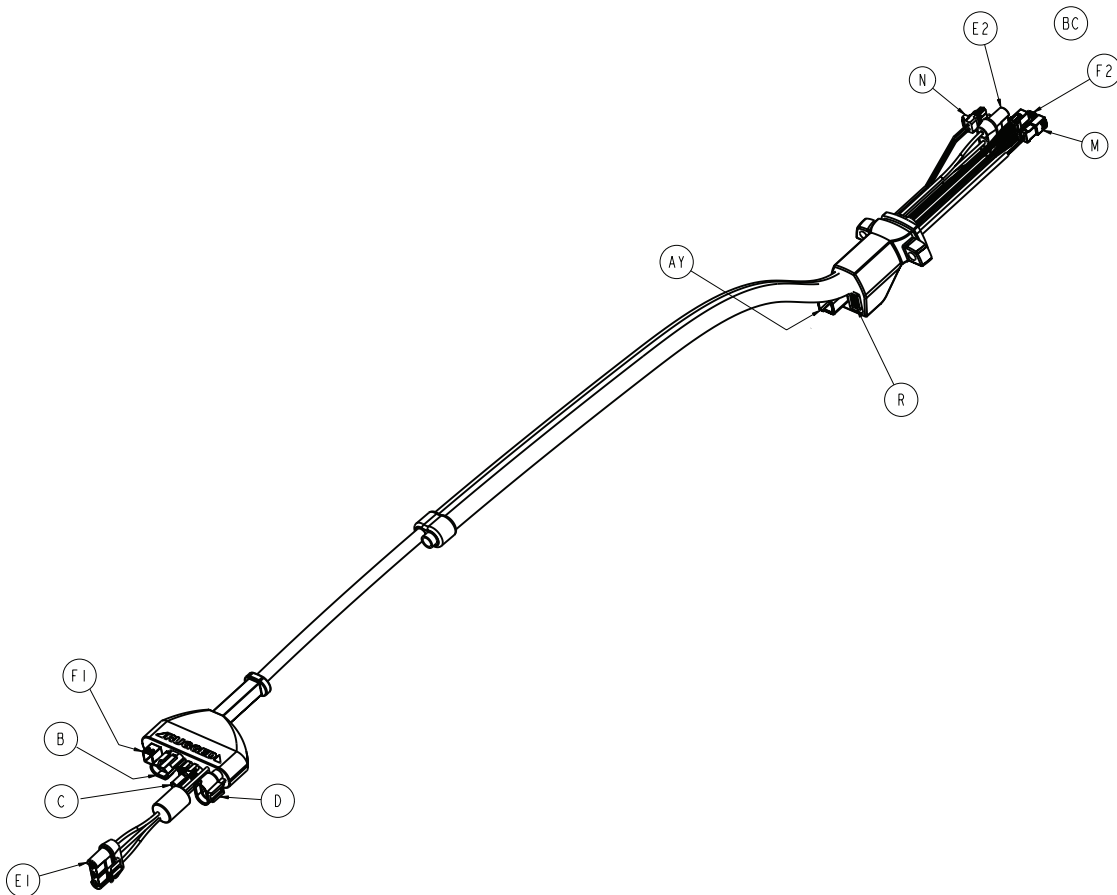
ERR 03	EE diagnostic failure	Initialization
ERR 04	EEPROM type and hardware type incompatible	Initialization
ERR 10	Valves diagnostic failure	Initialization
ERR 61	EEPROM rev and firmware rev incompatible	Initialization
ERR 21	Motor shorted	Initialization
ERR 22	Motor open	Initialization
ERR 23	High 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

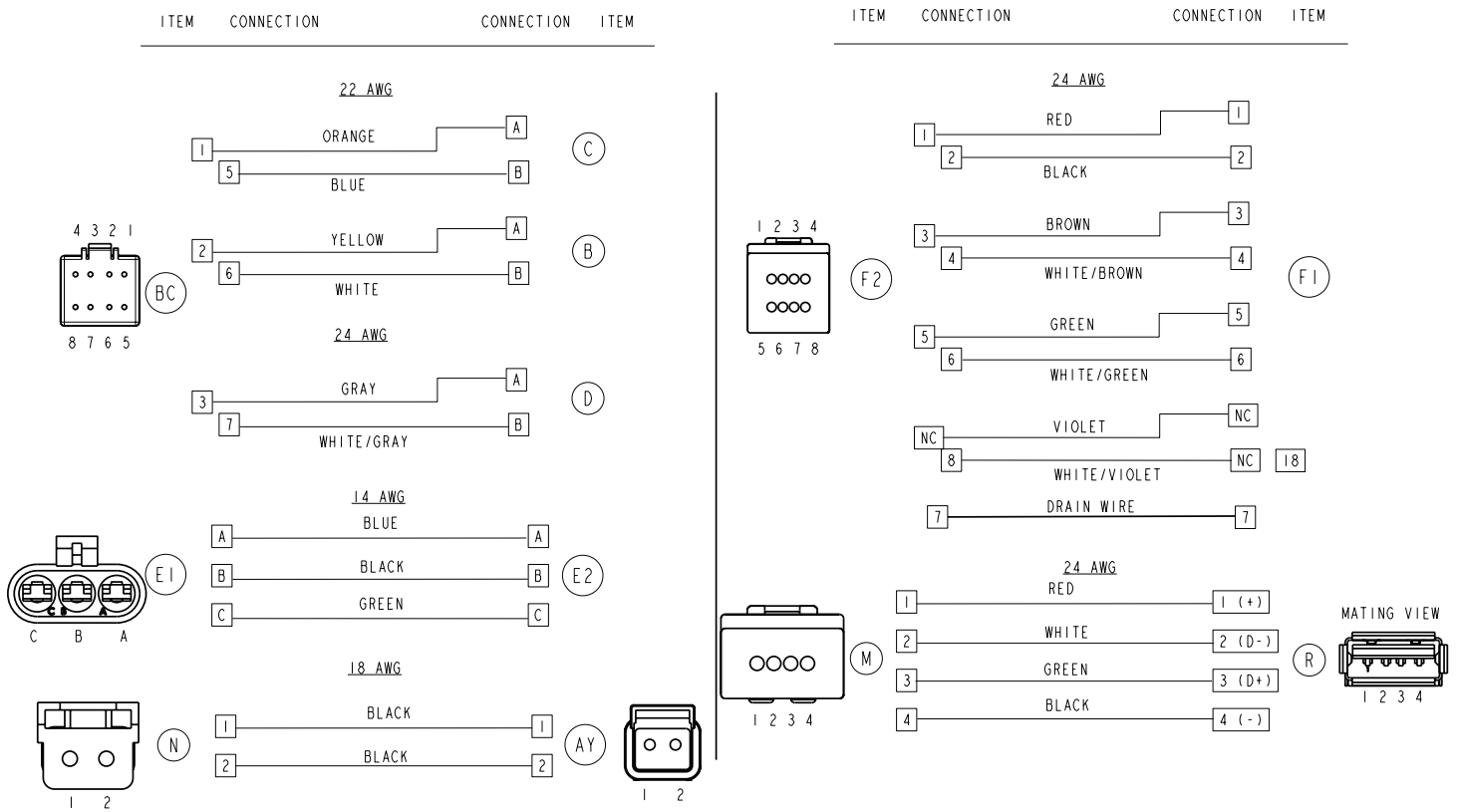
LCD display	Error description	Detection period
ERR 05	RAM diagnostic failure	Initialization
ERR 06	Program memory diagnostic failure	Initialization
ERR 08	EEPROM type and hardware type incompatible	Initialization

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

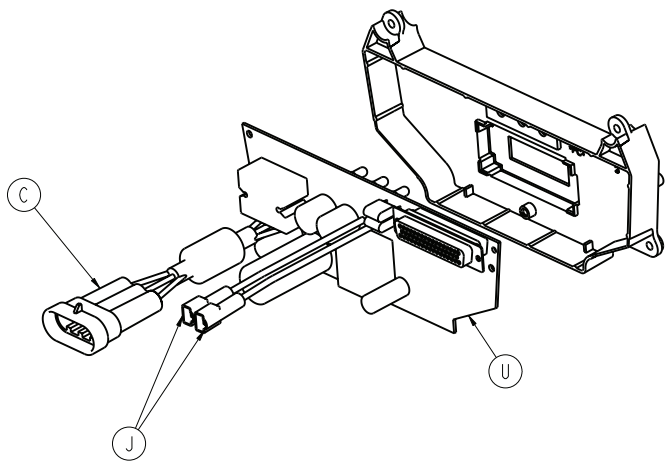
## Main cable assembly



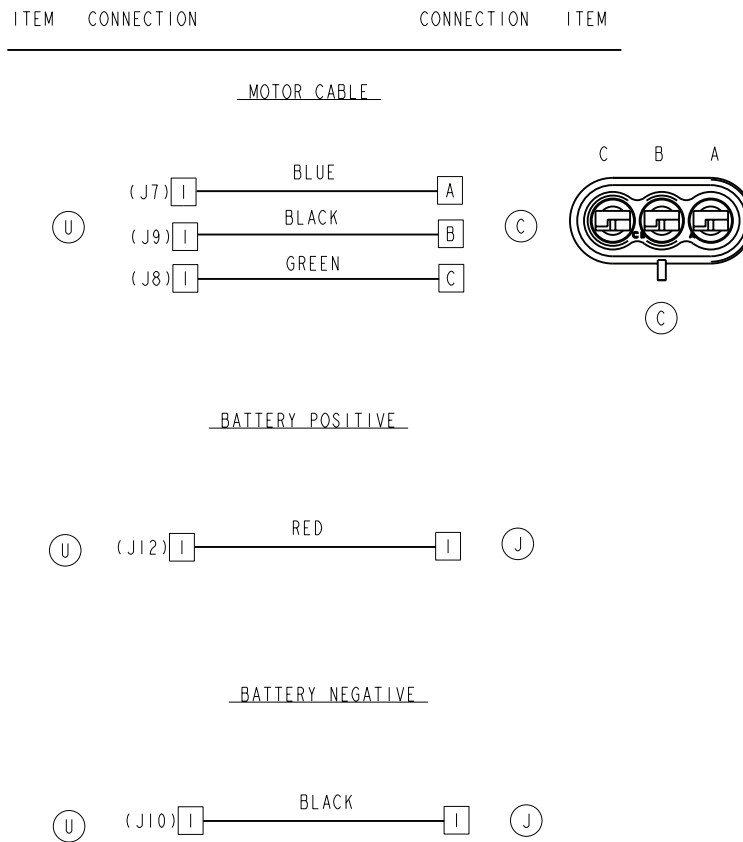
# Main cable assembly wiring schematics



# 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 25).
  - 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 25).
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 26).
  - 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 26).

## **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 24).
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

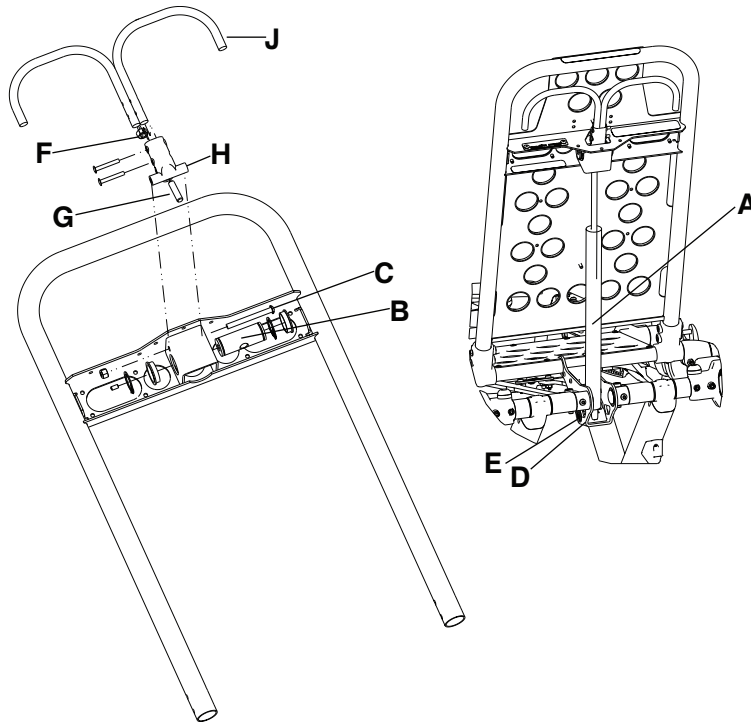
## Backrest adjustment

### 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.

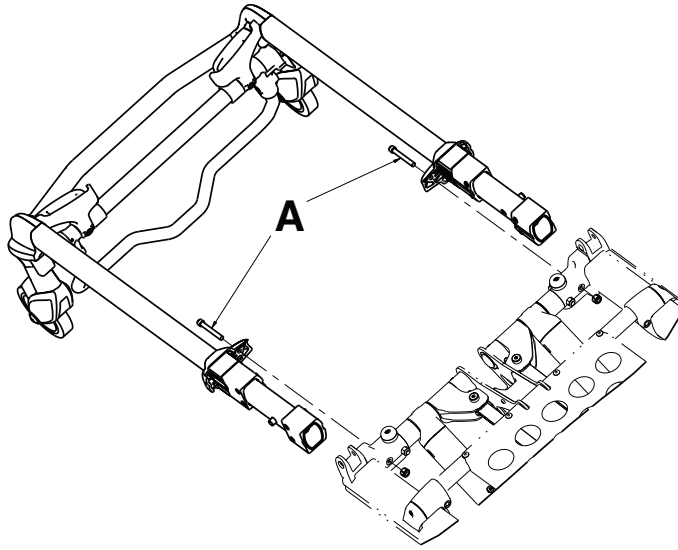
## Head section replacement

### 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 27)).
6. Verify proper operation before you return the product to service.

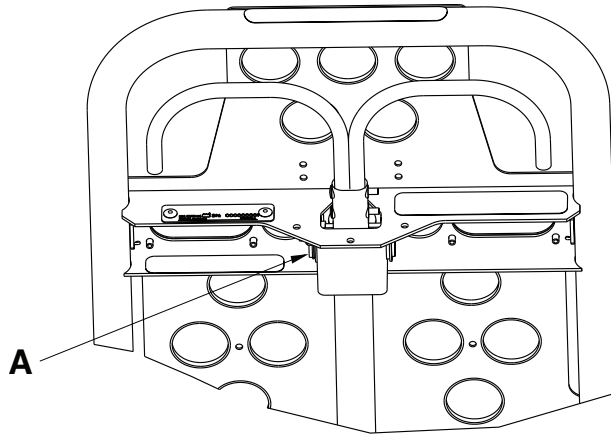


Figure 7 – Backrest gas cylinder

## 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.

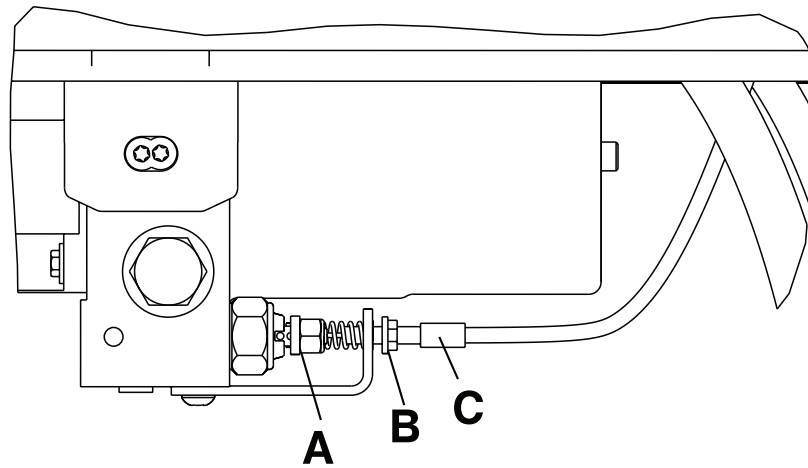


Figure 8 – Manual release cable

## 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.

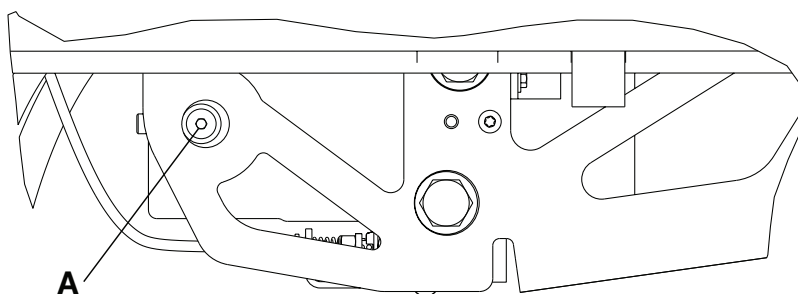


Figure 9 – Hydraulic assembly reservoir

## Wheel locking force adjustment

### Tools required:

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

### Procedure:

1. Using the 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 sleeve (B). Rotate the sleeve counterclockwise to increase the pedal locking force and clockwise to decrease the locking force. Insert the sleeve into the pedal (Figure 10).
3. Using the 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.

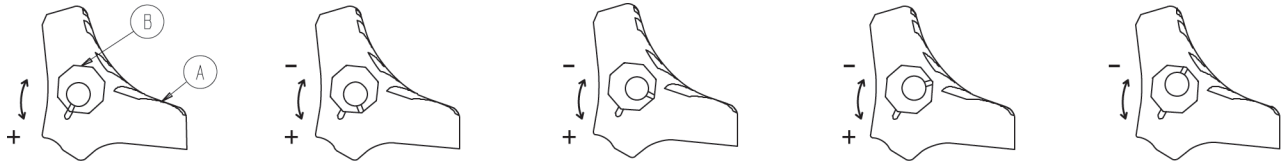


Figure 10 – Wheel locking force adjustment

## 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.

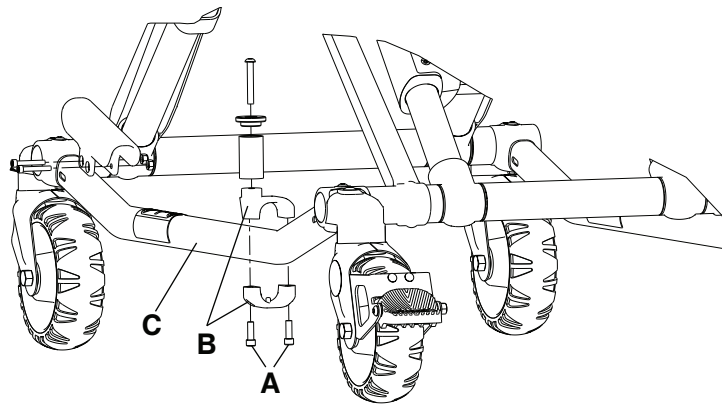


Figure 13 – Cot retaining post

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).

5. 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.
6. 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).
7. Using a T30 Torx driver, tighten the two socket head cap screws.
8. Verify proper operation before you return the product to service.

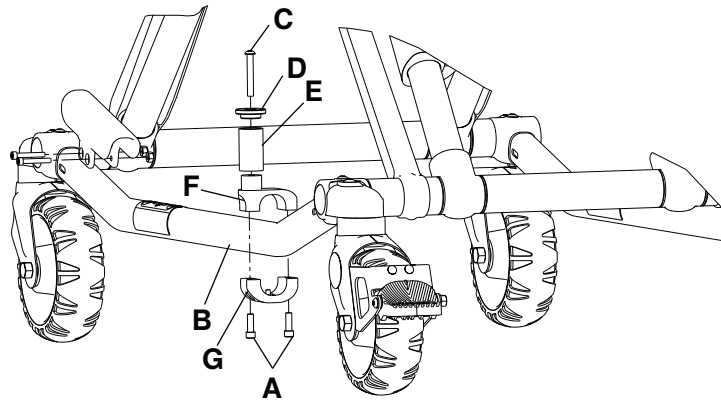


Figure 14 – Cot retaining post replacement

## Cot retaining post screw replacement

### Tools required:

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

### Procedure:

1. 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.
2. 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 33)).

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

## Hydraulic A valve or B valve replacement

### Tools required:

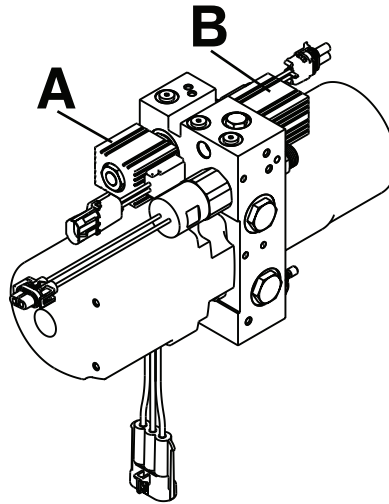
- T25 Torx driver
- 3/4" combination wrench
- 7/8" combination wrench
- (2) Saw horse
- Towels

### Procedure:

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 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 31)).
10. Verify proper operation before you return the product to service.

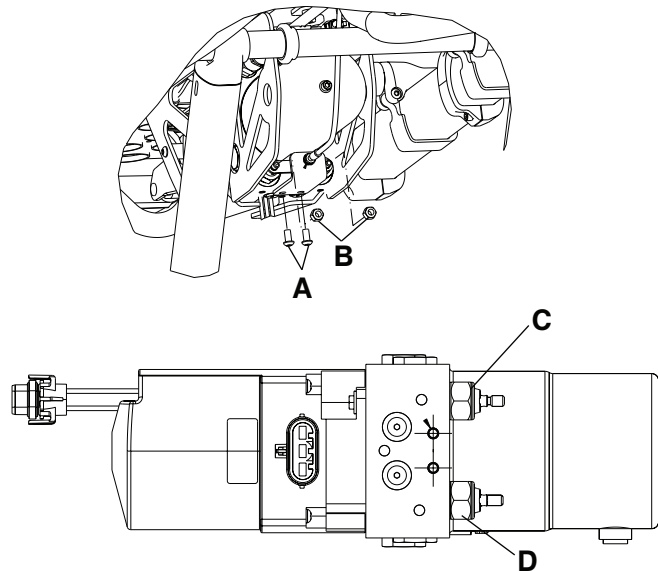
## Hydraulic manual release valve replacement

### 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 31)).
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

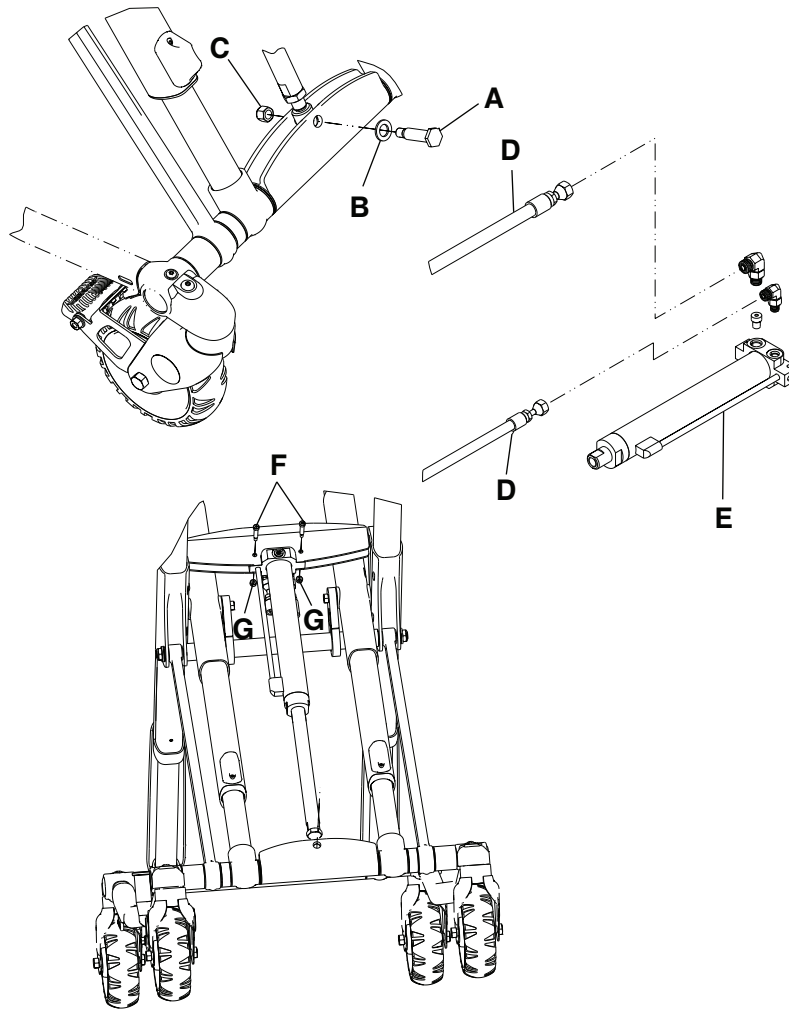
### Procedure:

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 31)).
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.

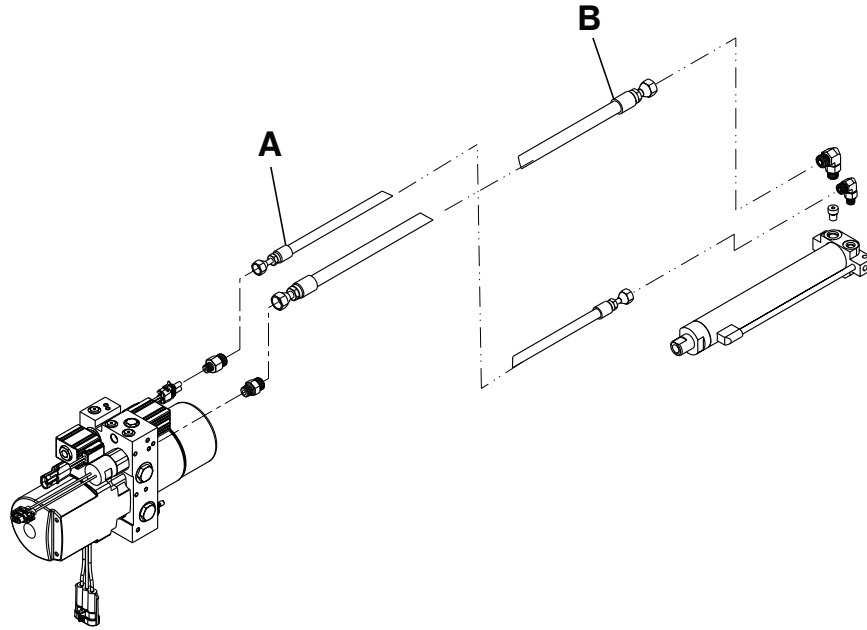


Figure 18 – Hydraulic hose replacement

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 31)).
6. Verify proper operation before you return the product to service.

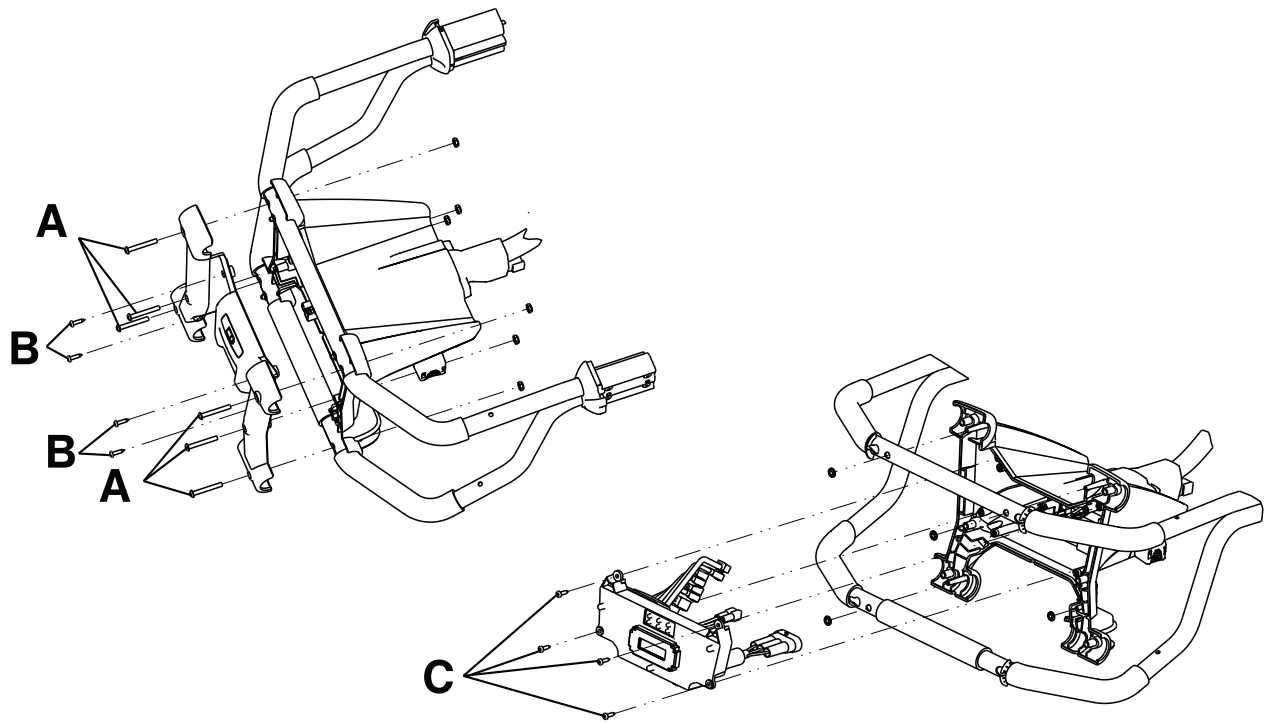
## Terminal block replacement

### Tools required:

- T20 Torx driver
- T25 Torx driver

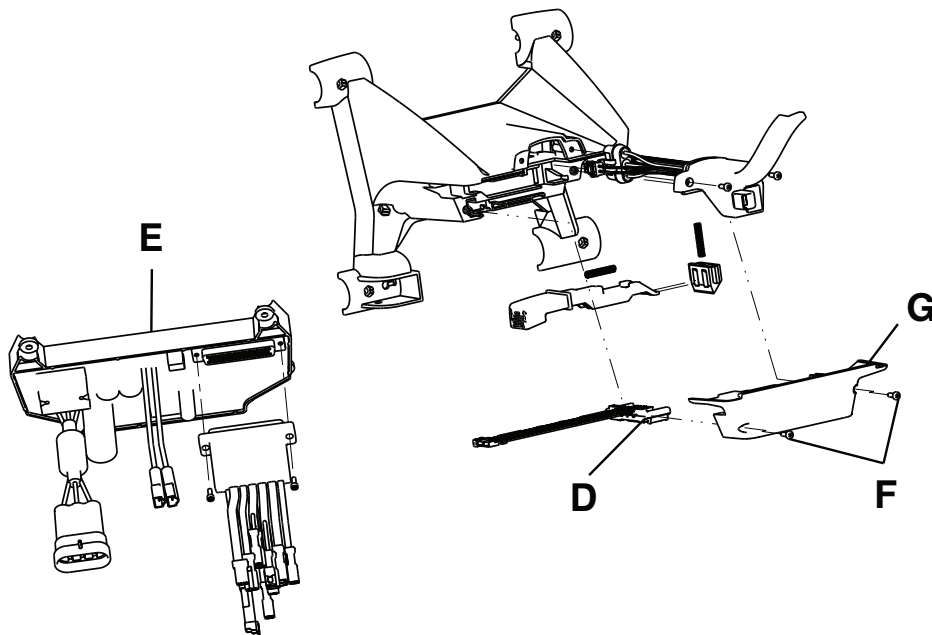
### Procedure:

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.

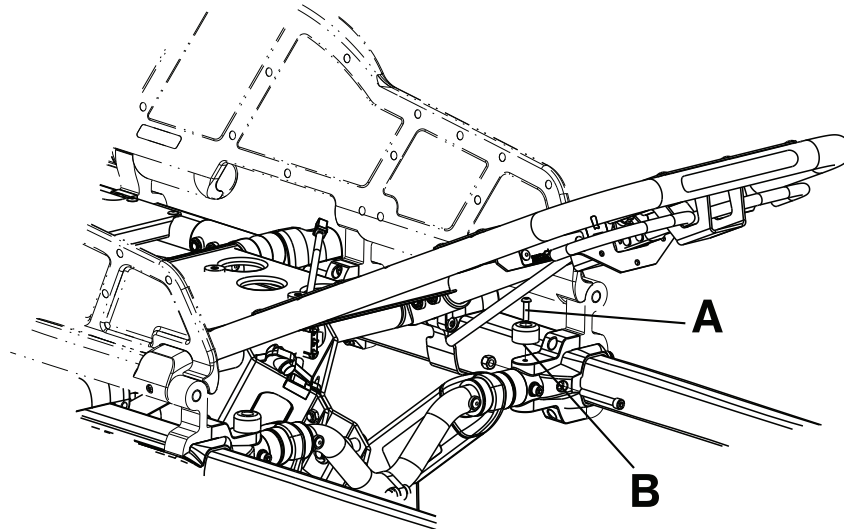


Figure 21 – Siderail assembly replacement (XPS)

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  $22 \pm 3.3$  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.

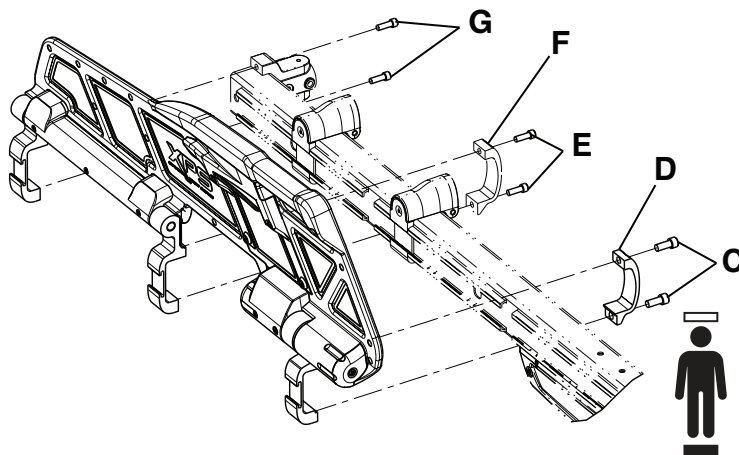


Figure 22 – Remove the siderail assembly

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 (ft-lb)

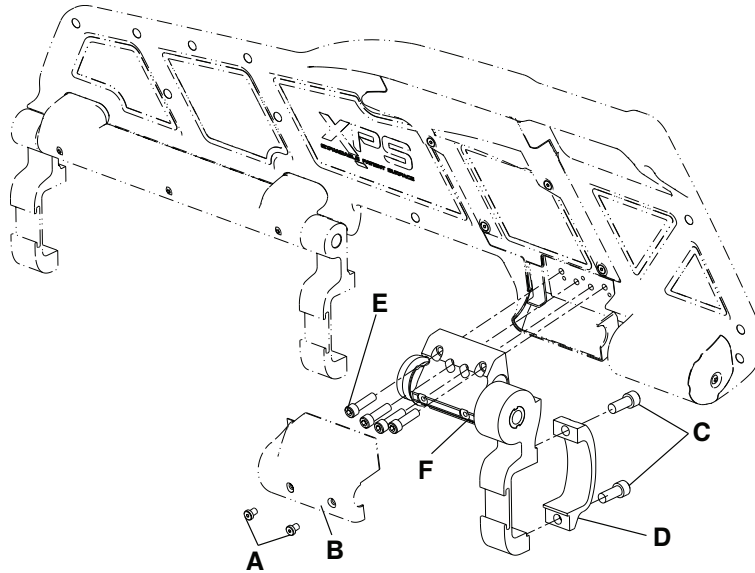
### Procedure:

1. Raise the product to the highest height position.
2. Raise the siderail to the up and locked position.
3. Using a 3/32" hex wrench, remove the two screws (A) that secure the ratchet cover (B) to the ratchet assembly (Figure 23). Remove and save the ratchet cover. Save the screws.
4. 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 23). Save the screws.

**Note** - Using a torque wrench, torque the screws to  $22 \pm 3.3$  ft-lb when you reinstall.

- Using a 3/16" hex wrench, remove the four screws (E) that secure the ratchet assembly (F) to the overmold assembly (Figure 23). Remove and discard the ratchet assembly. Save the screws.

**Note** - Using a torque wrench, torque the screws to 9 - 11 ft-lb when you reinstall.



**Figure 23 – Ratchet assembly replacement (XPS)**

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

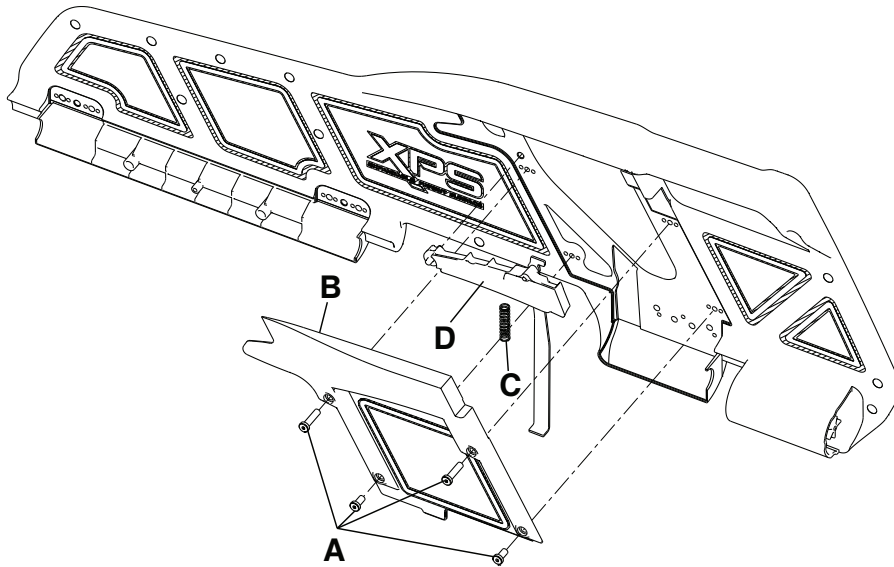
## Release handle assembly replacement (XPS option)

### Tools required:

- 3/32" hex wrench
- Small slotted screwdriver

### Procedure:

- Raise the product to the highest height position.
- Raise the siderail to the up and locked position.
- Using a 3/32" hex wrench, remove the four screws (A) that secure the release cover (B) to the overmold assembly (Figure 24). Remove and save the release cover. Save the screws.
- Using a small slotted screwdriver, pry the release handle return spring (C) up (Figure 24). Remove and save the return spring.
- Grasp the release handle assembly (D) and lift the spring side to remove from the cover (Figure 24).



**Figure 24 – Release/spring handle assembly replacement (XPS)**

6. Reverse steps to reinstall.
7. Verify proper operation before you return the product to service.

## Spring handle assembly replacement (XPS option)

### Tools required:

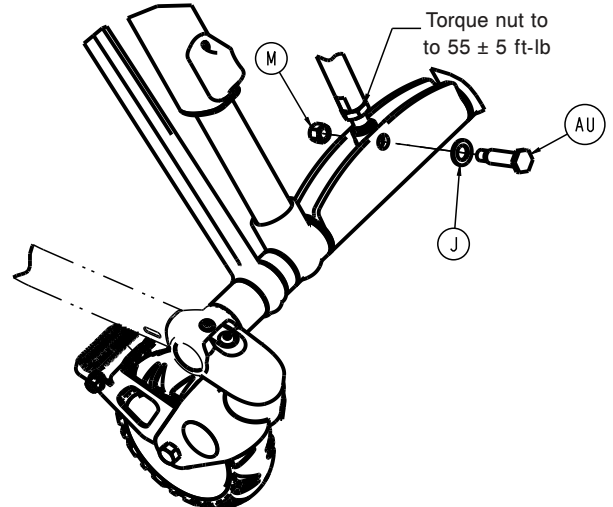
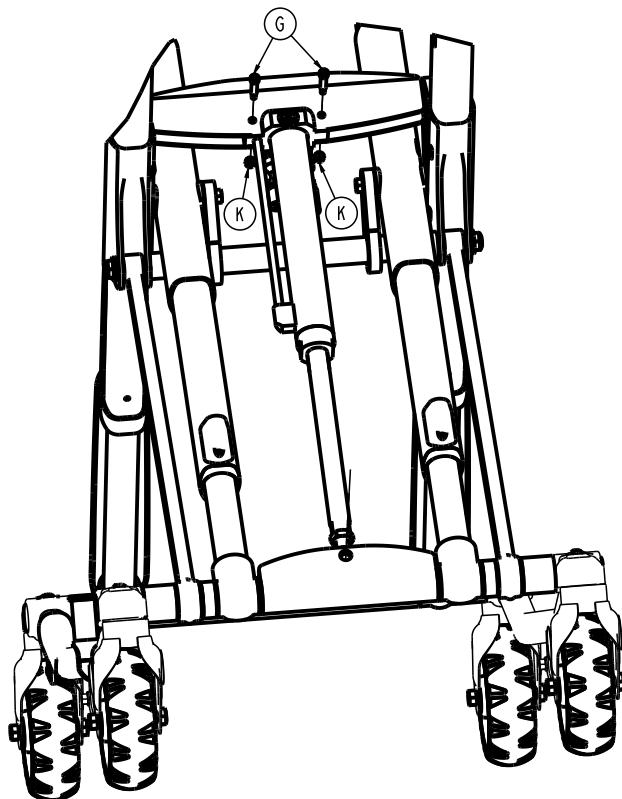
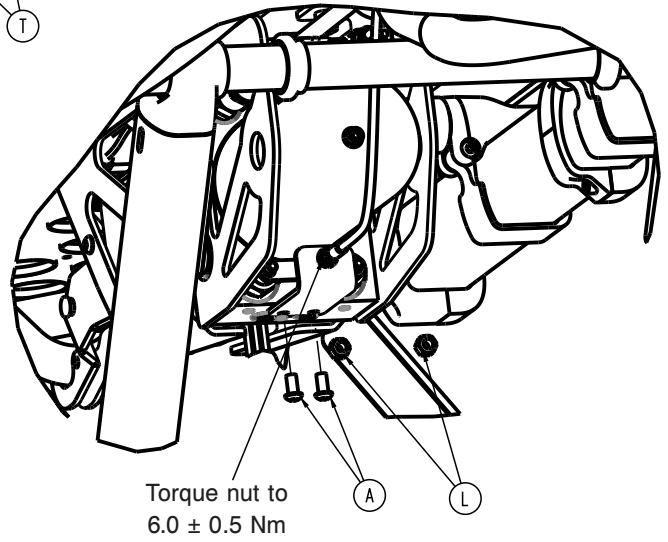
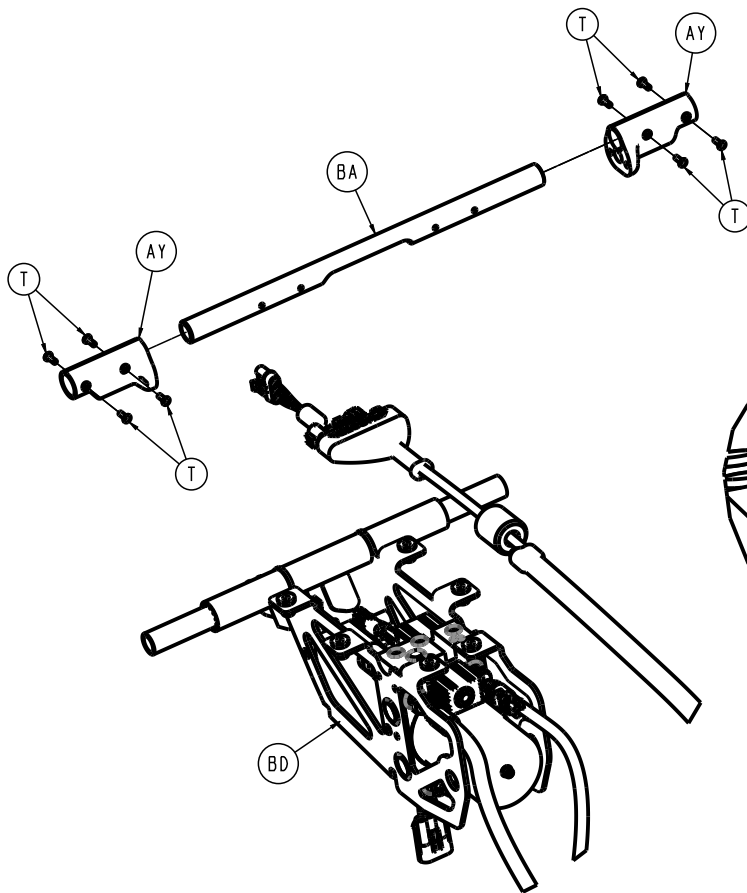
- 3/32" hex wrench
- Small slotted screwdriver

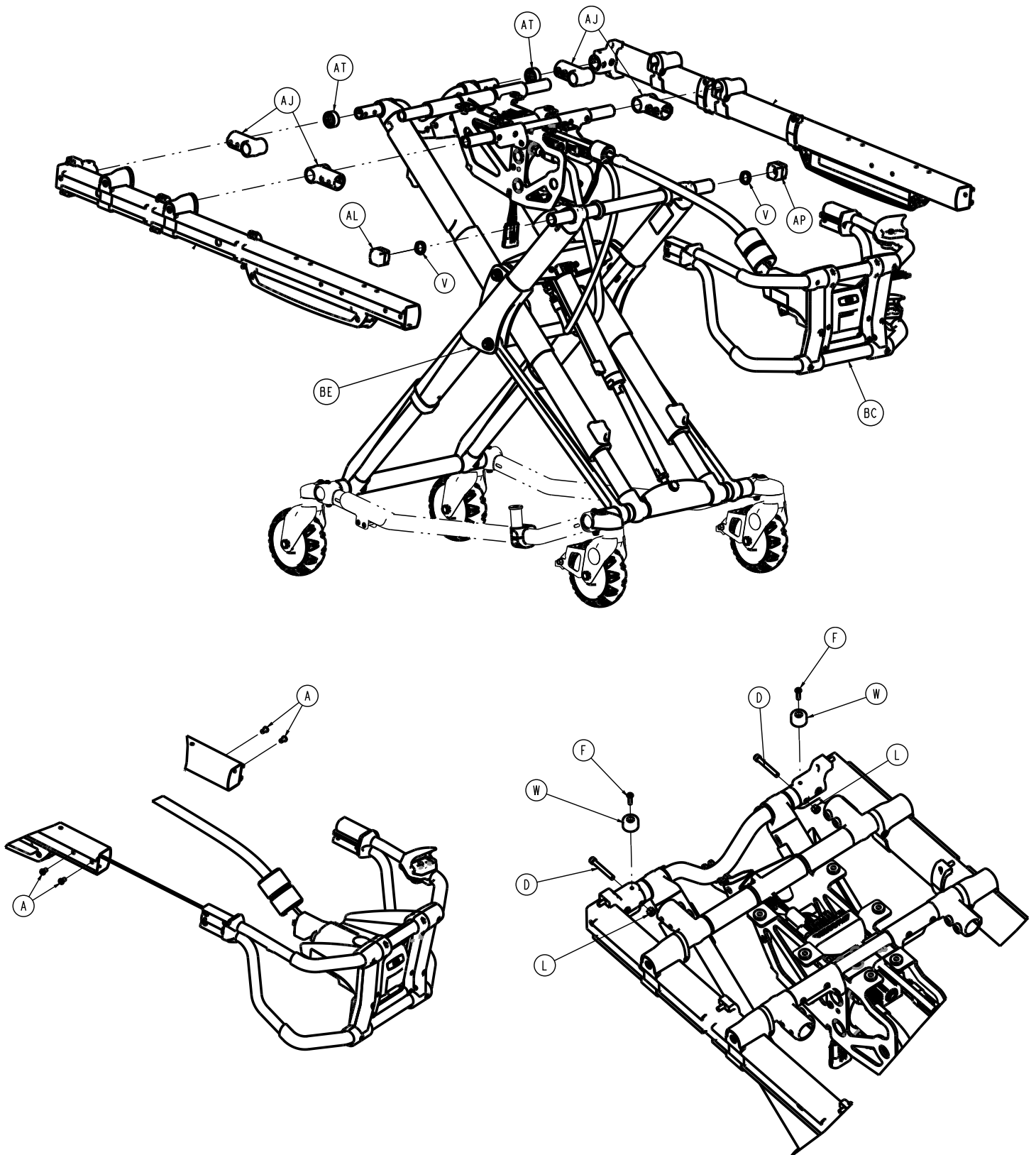
### Procedure:

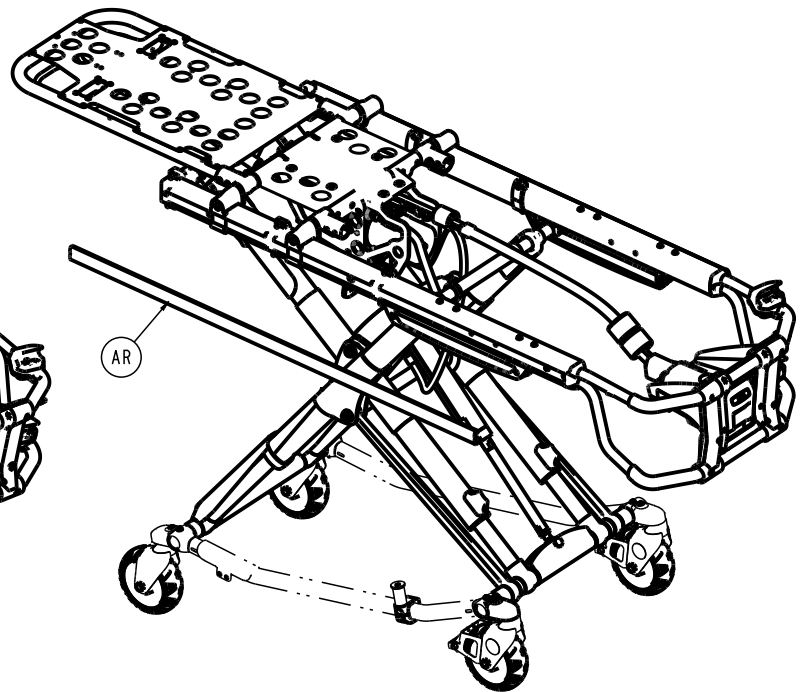
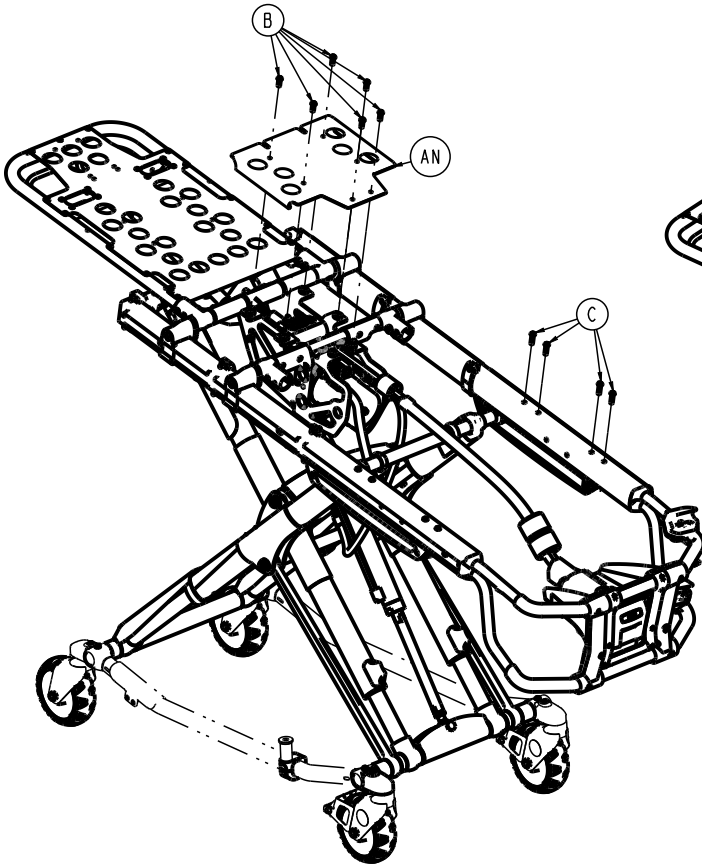
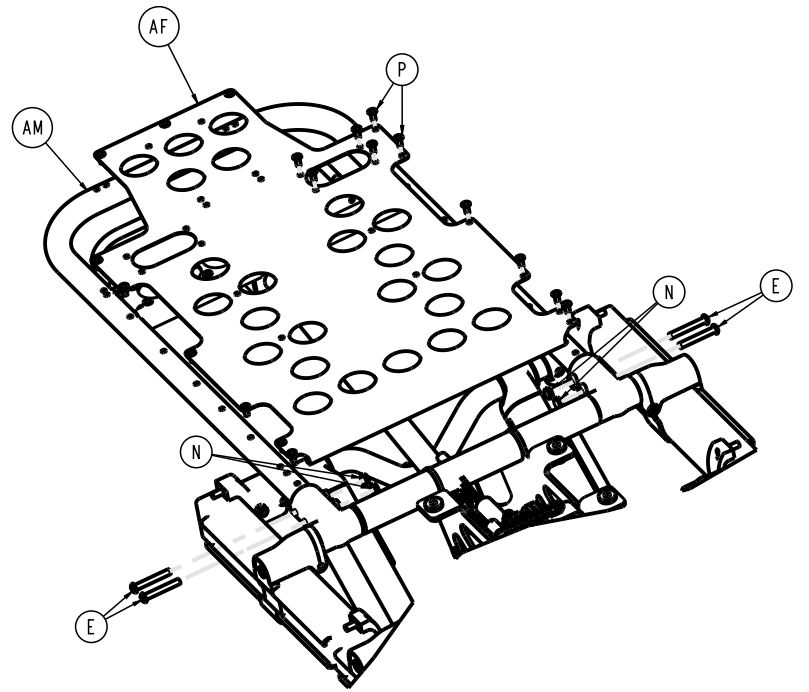
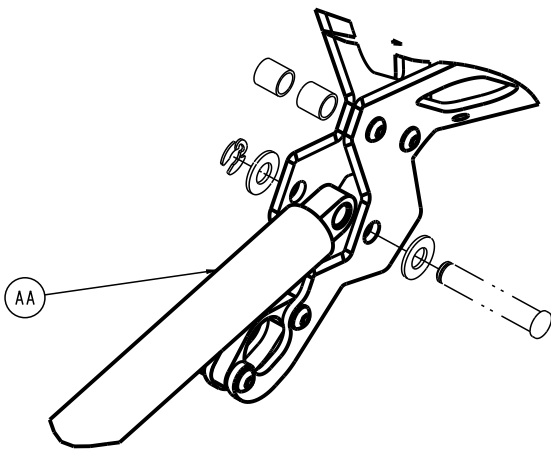
1. Raise the product to the highest height position.
2. Raise the siderail to the up and locked position.
3. Using a 3/32" hex wrench, remove the four screws (A) that secure the release cover (B) to the overmold assembly (Figure 24). Remove and save the release cover. Save the screws.
4. Using a small slotted screwdriver, pry the release handle return spring (C) up (Figure 24). Remove and save the return spring.
5. Reverse steps to reinstall.
6. Verify proper operation before you return the product to service.

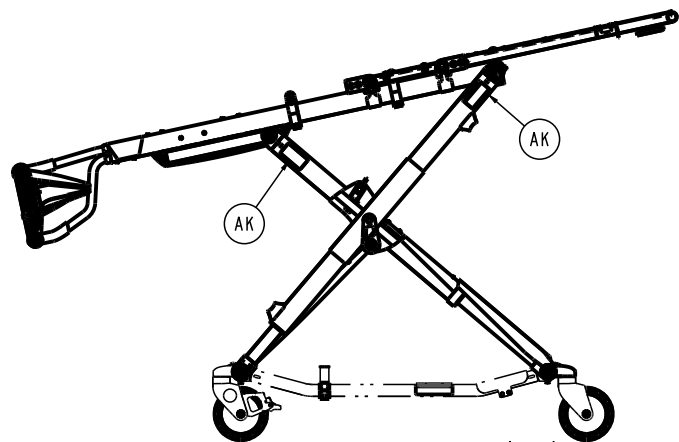
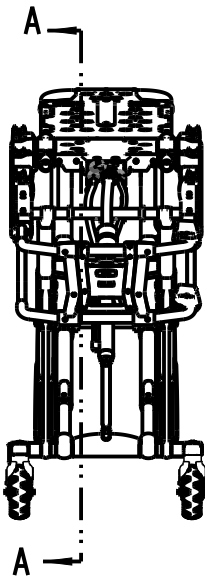
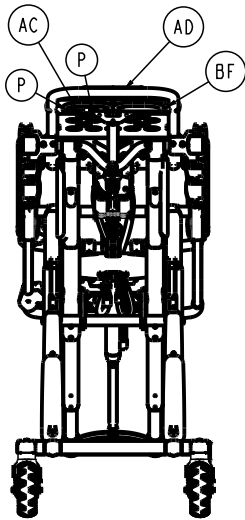
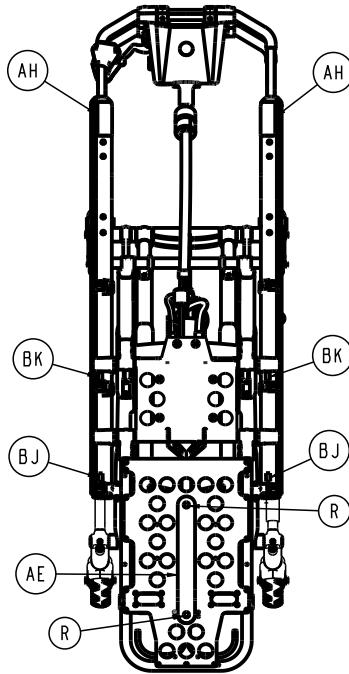
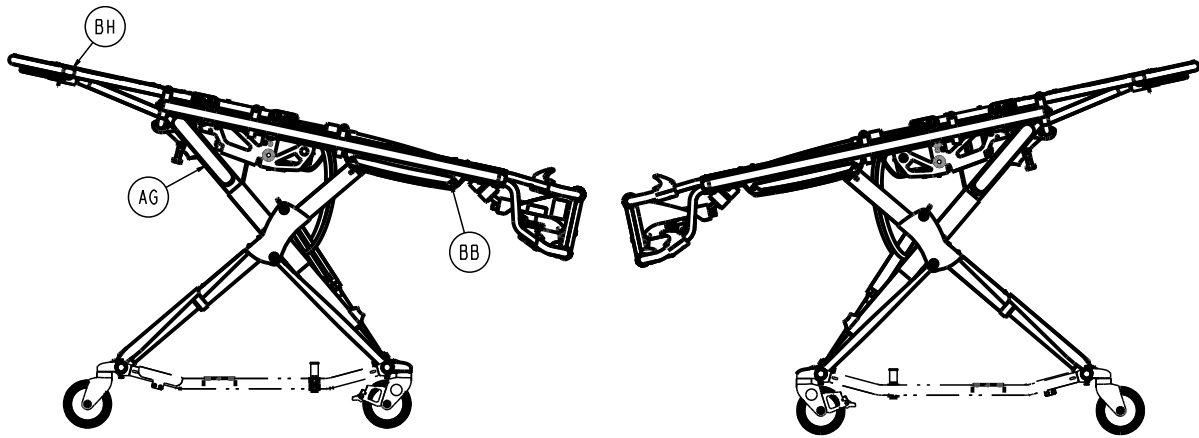
# Cot assembly

6506-001-010 Rev AC (Reference only)

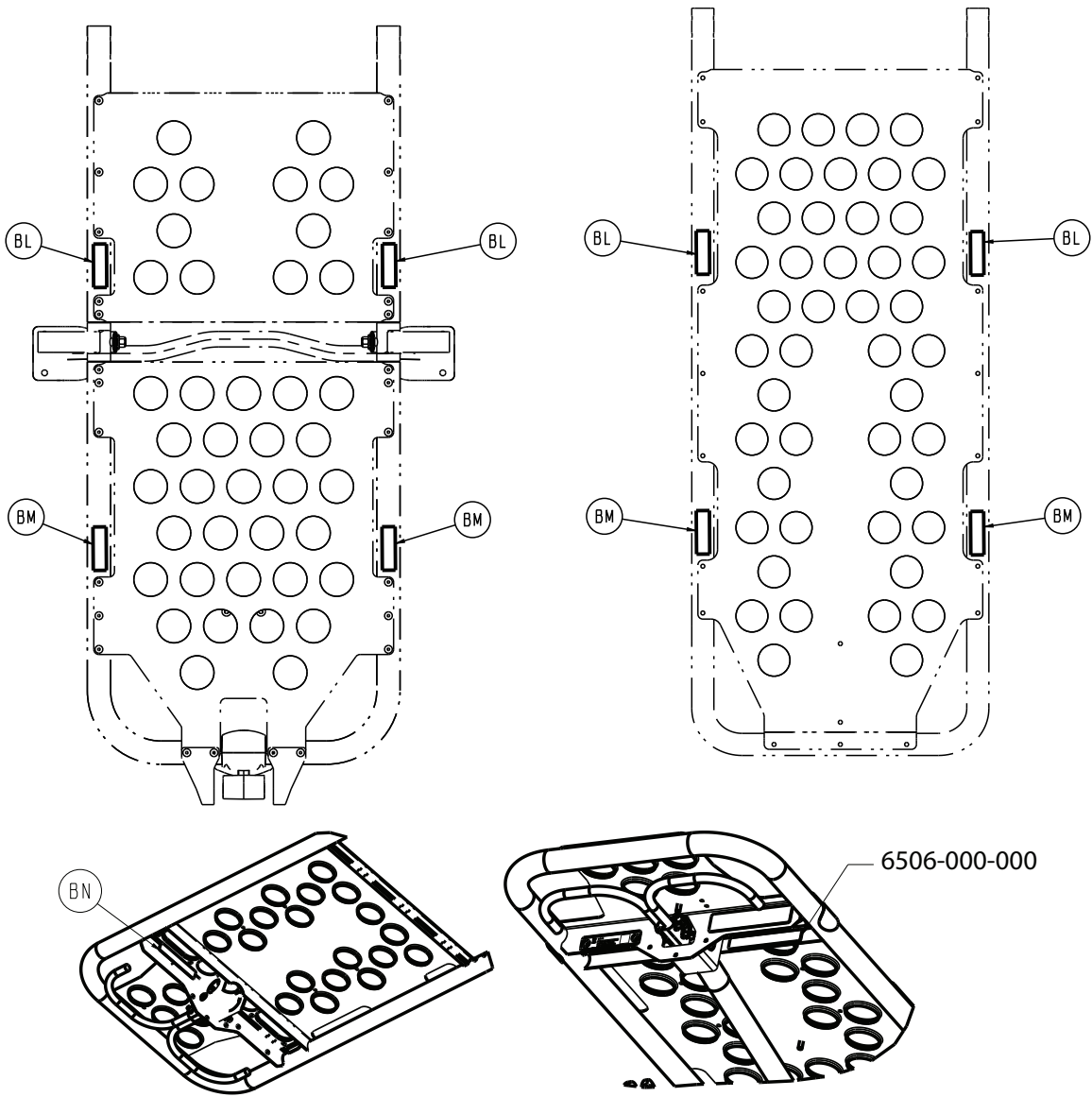








SECTION A - A



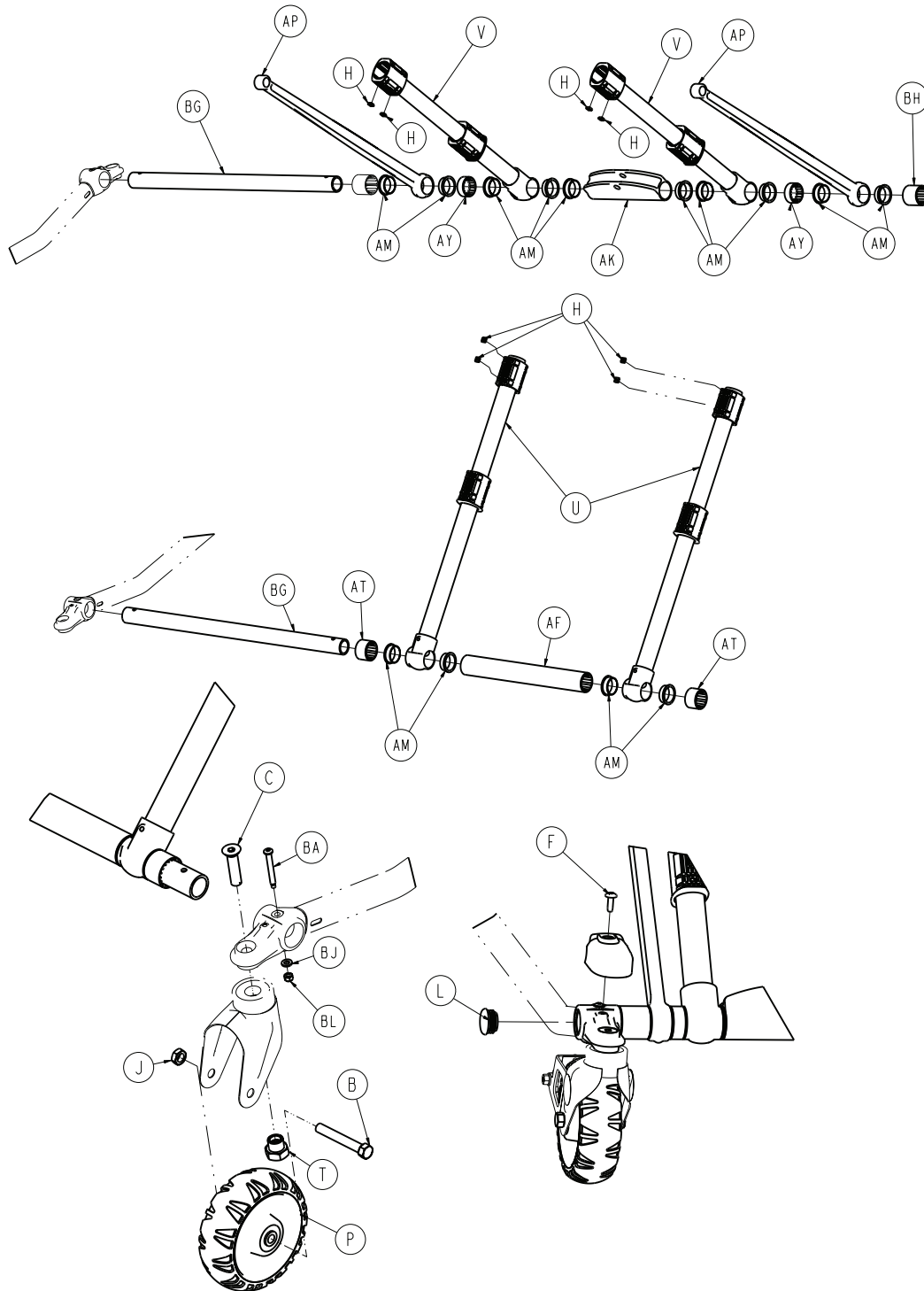
Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	6
B	0004-592-000	Button head cap screw	6
C	0004-594-000	Button head cap screw	8
D	0004-595-000	Socket head cap screw	2
E	0004-596-000	Button head cap screw	4
F	0004-614-000	Button head cap screw	2
G	0008-030-000	Socket head cap screw	2
J	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

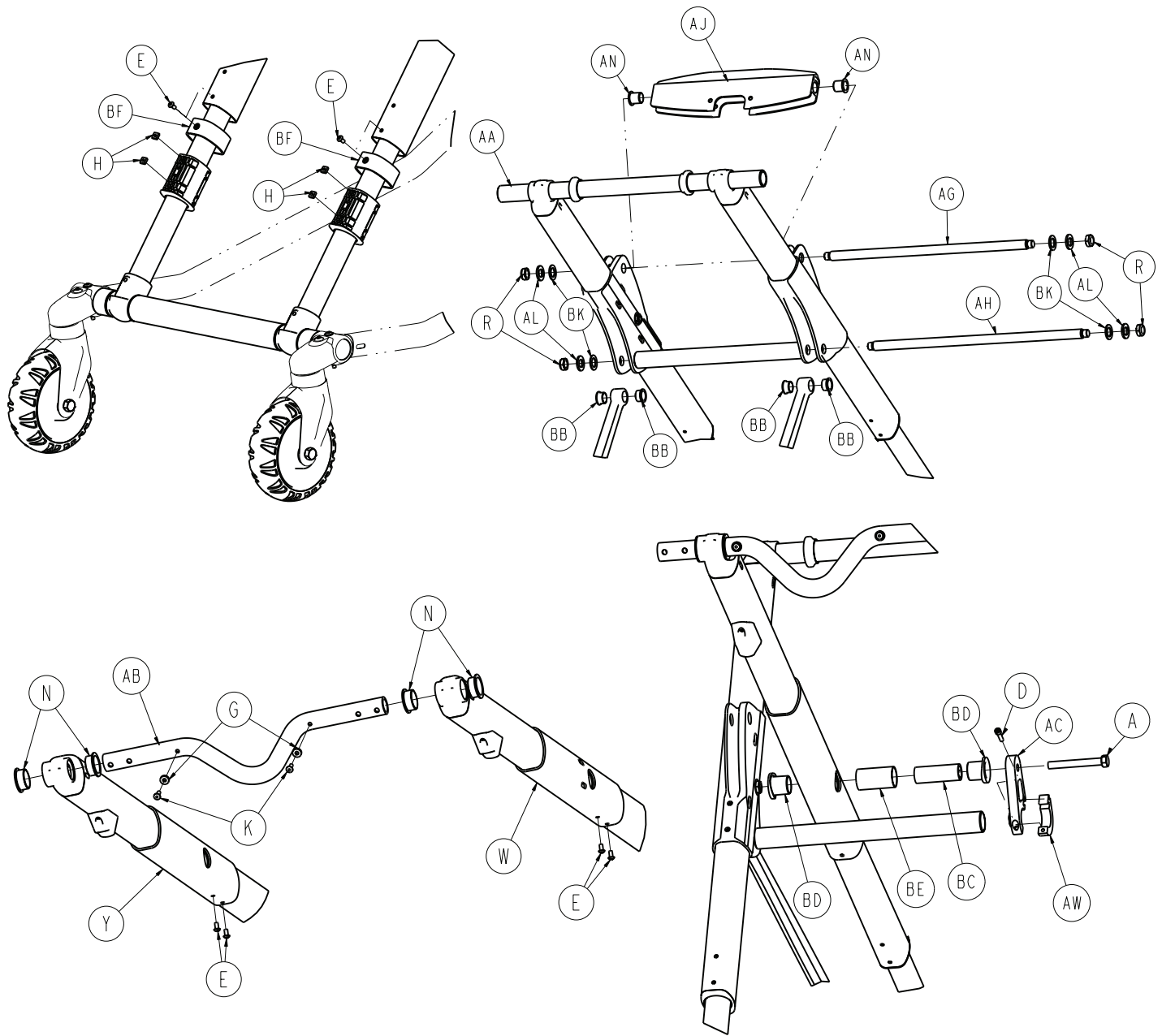


Item	Number	Name	Quantity
W	0056-028-000	Black bumper, TPR	2
Y	0059-211-000	Nylon cable tie, 11"	2
AA	6500-031-077	Gas spring	1
AC	6506-001-926	Label, DPM	1
AD	6060-090-004	Label, <b>RUGGED</b> , all	1
AE	6082-001-085	2" adhesive loop pile	1
AF	6082-032-045	Fowler skin	1
AG	6082-090-043	Label, Stryker, 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 91)	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, <b>Power-PRO XT</b>	2
BC	6500-102-015	<i>Foot end assembly</i> (page 79)	1
BD	6500-002-031	<i>Power assembly</i> (page 76)	1
BE	6506-001-012	<i>Base assembly</i> (page 50)	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

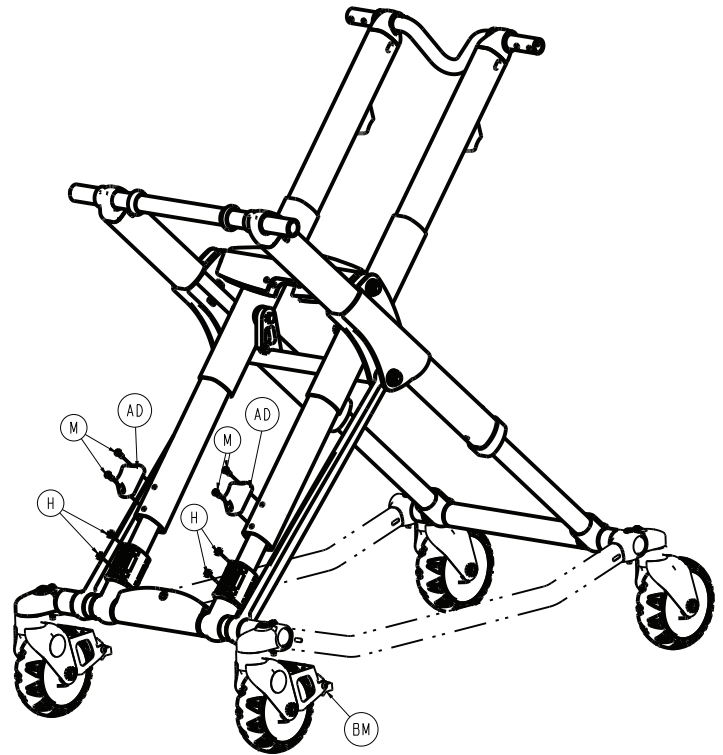
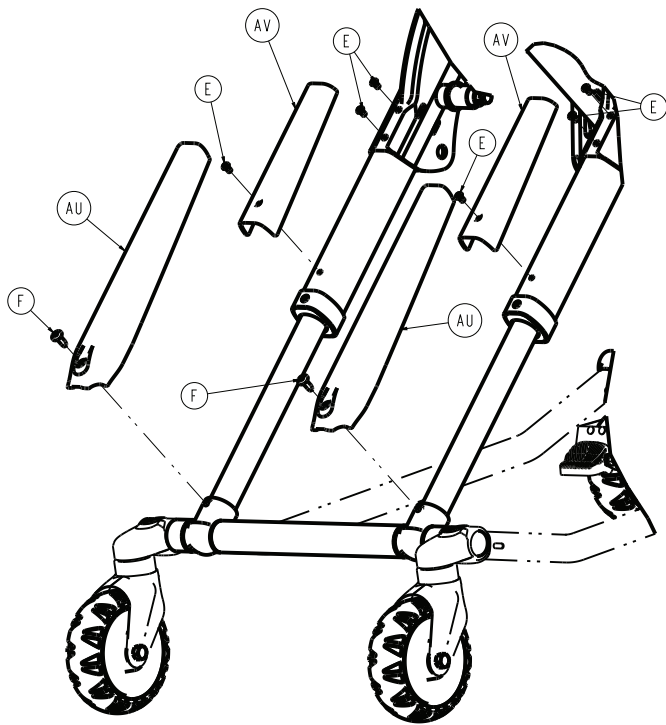
# Base assembly

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)).

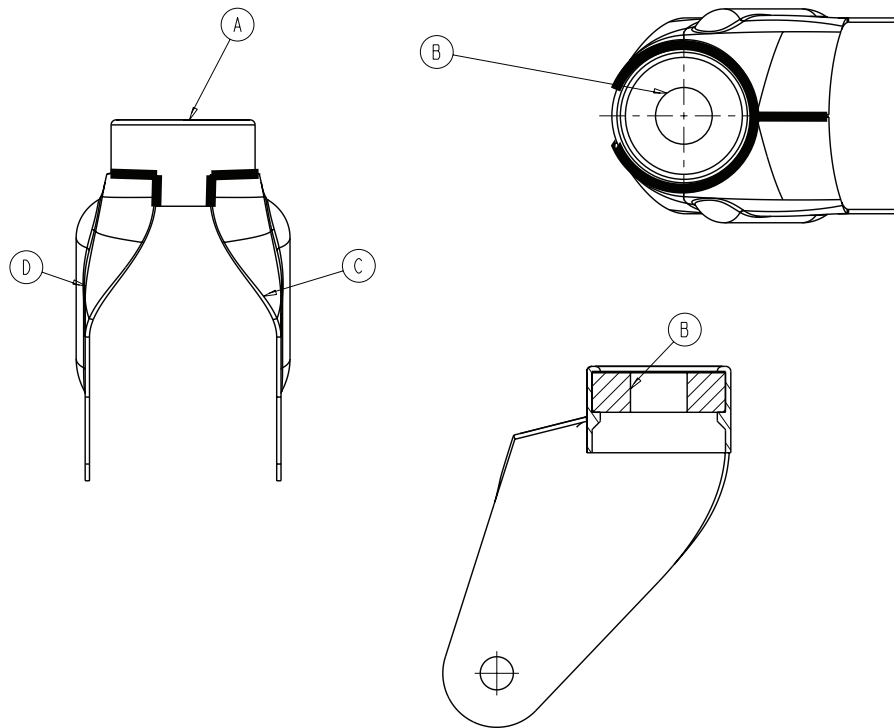


Item	Number	Name	Quantity
A	0003-388-000	Hex head cap screw	2
B	0003-205-000	Hex head cap screw	4
C	0004-319-000	Flat head/hex socket bolt	4
D	0004-659-000	Socket head cap screw	2
E	0004-587-000	Button head cap screw	12
F	0007-086-000	Truss head screw	6
G	0014-115-000	Washer	2
H	0015-051-000	Square nut	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 (6 in. molded wheel assembly (page 59))	4
R	0016-049-000	Nylock hex nut	4
T	6090-001-009	Caster nut	4

Item	Number	Name	Quantity
U	6500-301-021	Outer lift tube assembly ( <i>Outer lift tube assembly, base pivot - 6500-301-021 (page 63)</i> )	2
V	6500-301-022	Inner lift tube assembly ( <i>Inner lift tube assembly, base pivot - 6500-301-022 (page 64)</i> )	2
W	6500-001-034	Inner lift tube assembly, litter pivot, right ( <i>Inner lift tube, litter pivot, patient right assembly - 6500-001-034 (page 65)</i> )	1
Y	6500-001-035	Inner lift tube assembly, litter pivot, left ( <i>Inner lift tube, litter pivot, patient left assembly - 6500-001-035 (page 66)</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, right	1
AD	6500-001-125	Base dead stop	2
AE	6500-001-309	Base strap, 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	Adjustable caster lock assembly	2

# Caster horn assembly - 6082-002-012

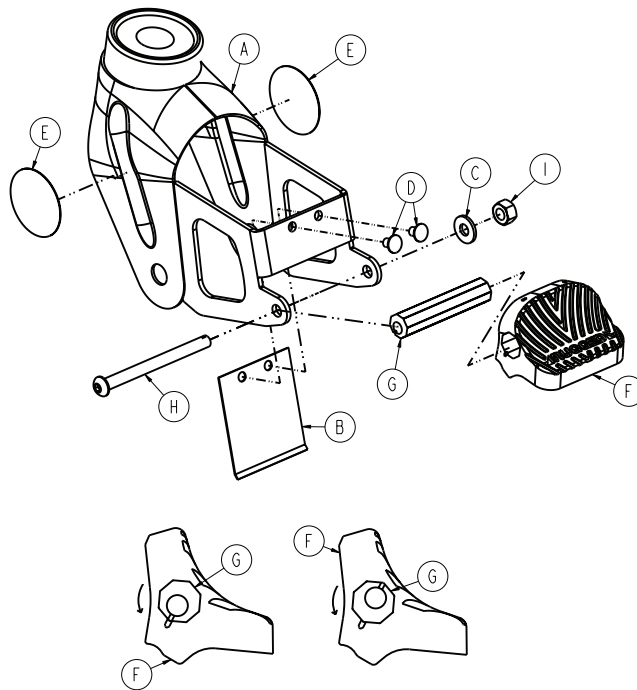
Rev C (Reference only)



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

# Adjustable caster lock assembly

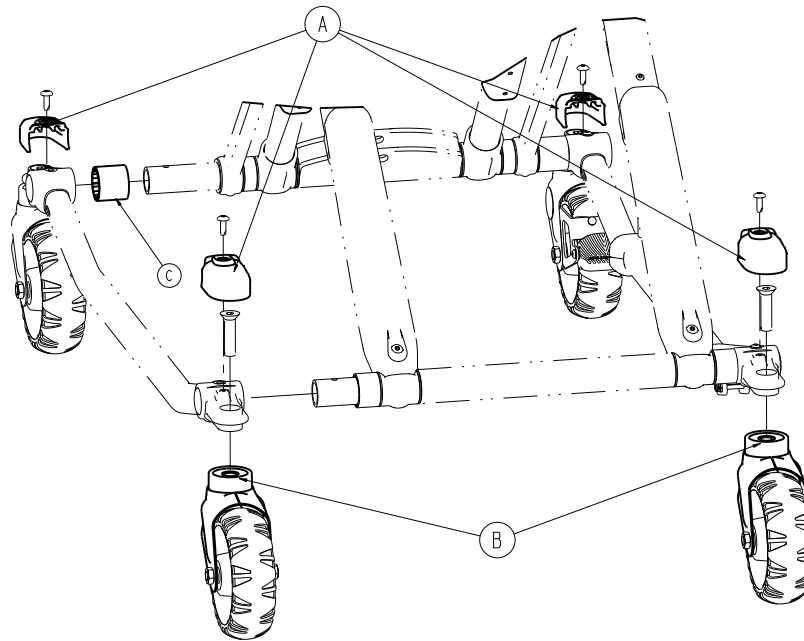
6086-200-010 Rev A (Reference only)



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)

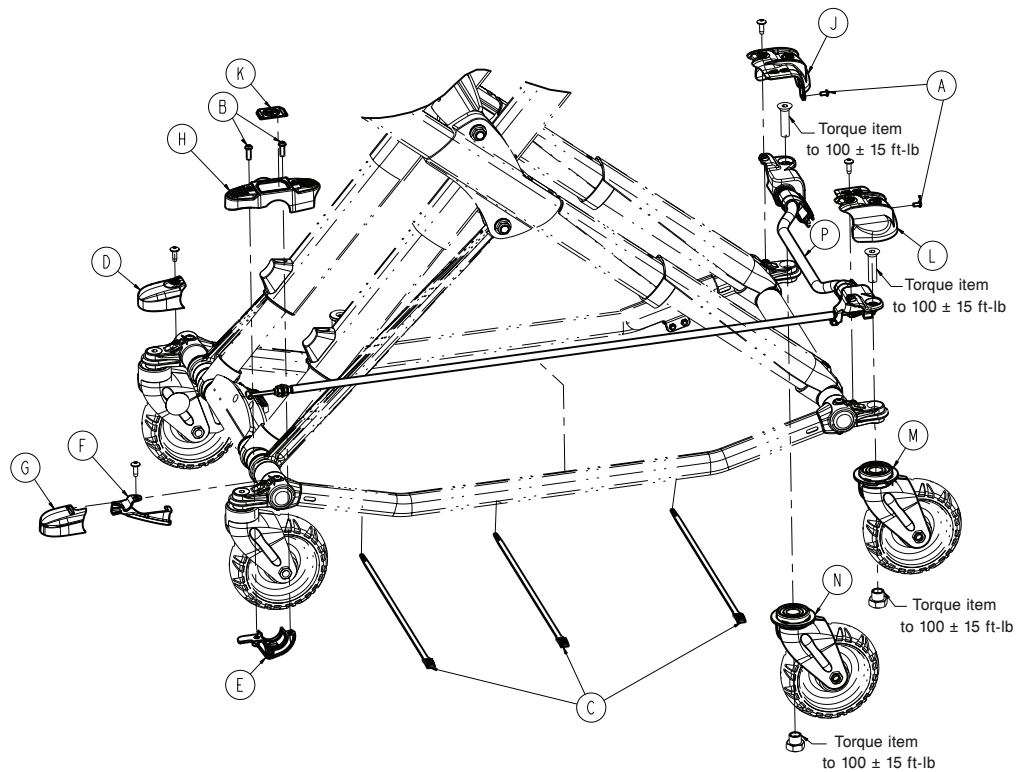


Item	Number	Name	Quantity
A	6500-001-177	Caster mount cover	4
B	6082-002-012	Caster horn assembly - 6082-002-012 (page 54)	2
C	6500-001-230	Plastic extrusion - spacer	1



# Steer-Lock option - 6506-038-000

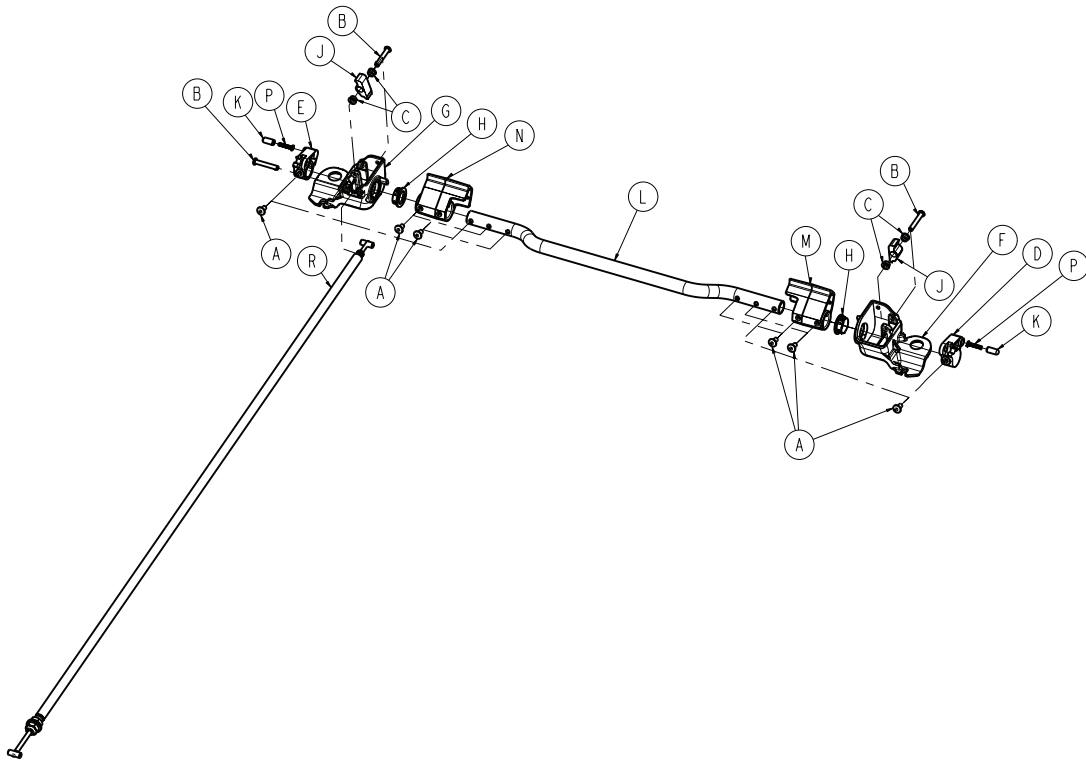
Rev A (Reference only)



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, left	1
N	6500-002-260	Steer-Lock caster horn weldment, right	1
P	6506-002-265	Steer-Lock sub assembly, head end (page 58)	1

# Steer-Lock sub assembly, head end

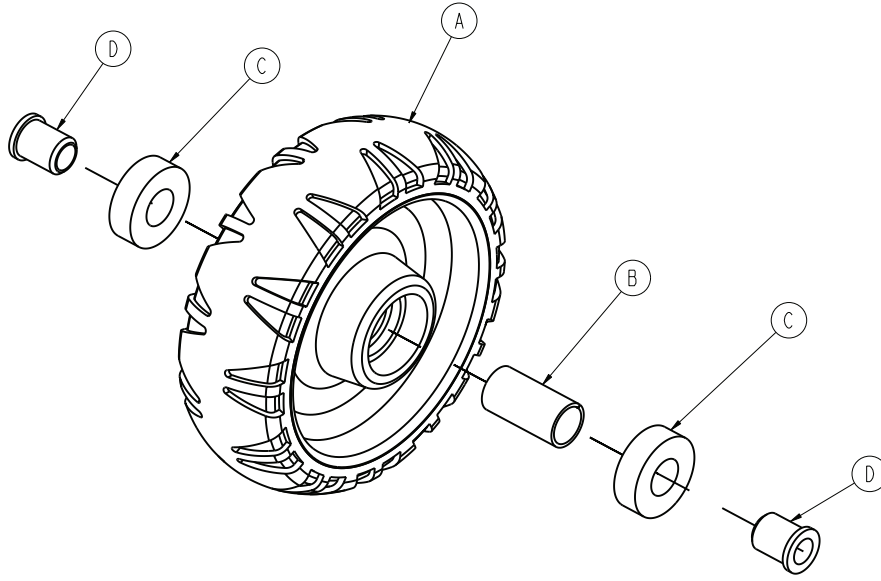
6506-002-265 Rev A (Reference only)



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

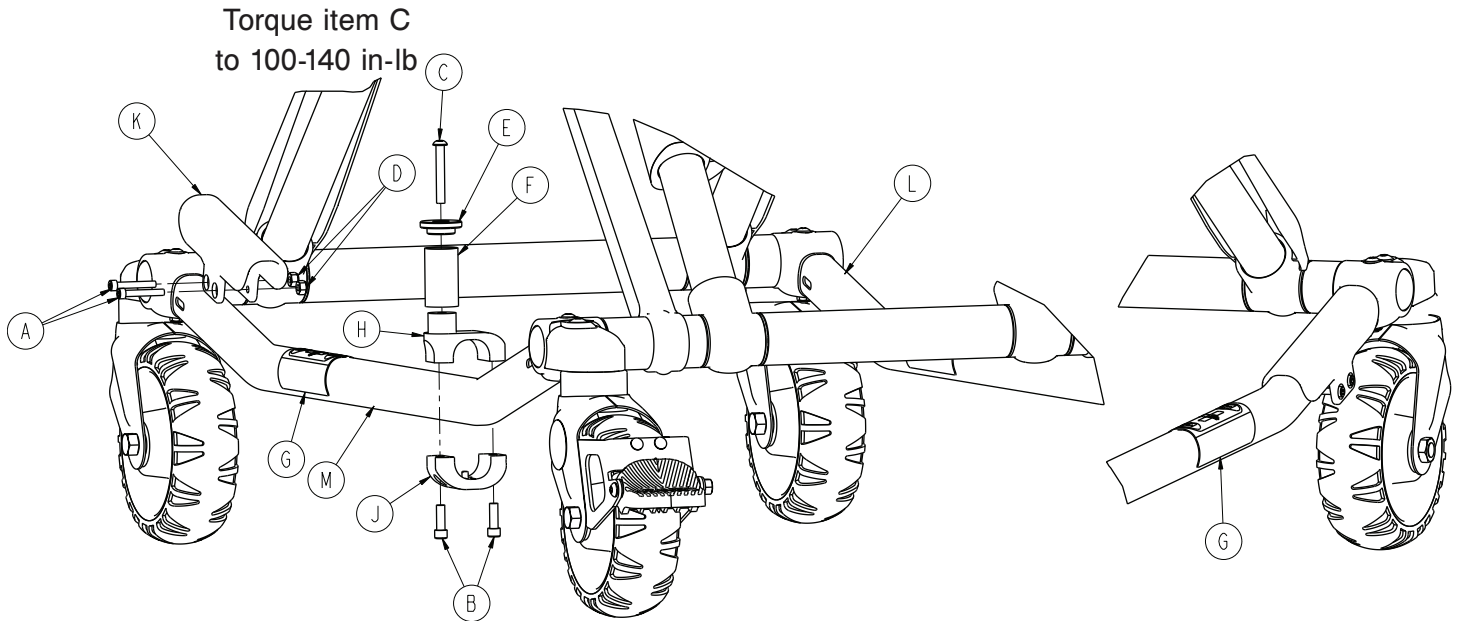
6060-002-010 Rev D (Reference only)



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, right - 6085-033-000

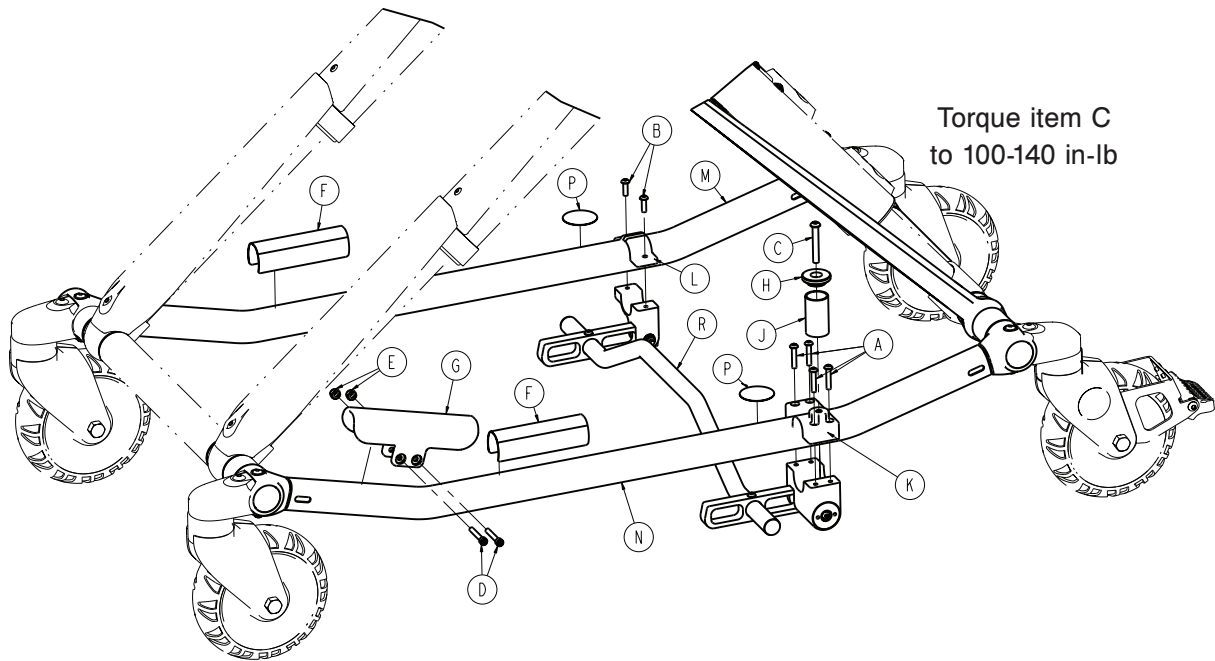
Rev E (Reference only)



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

# Kickstand assembly option - 6085-102-000

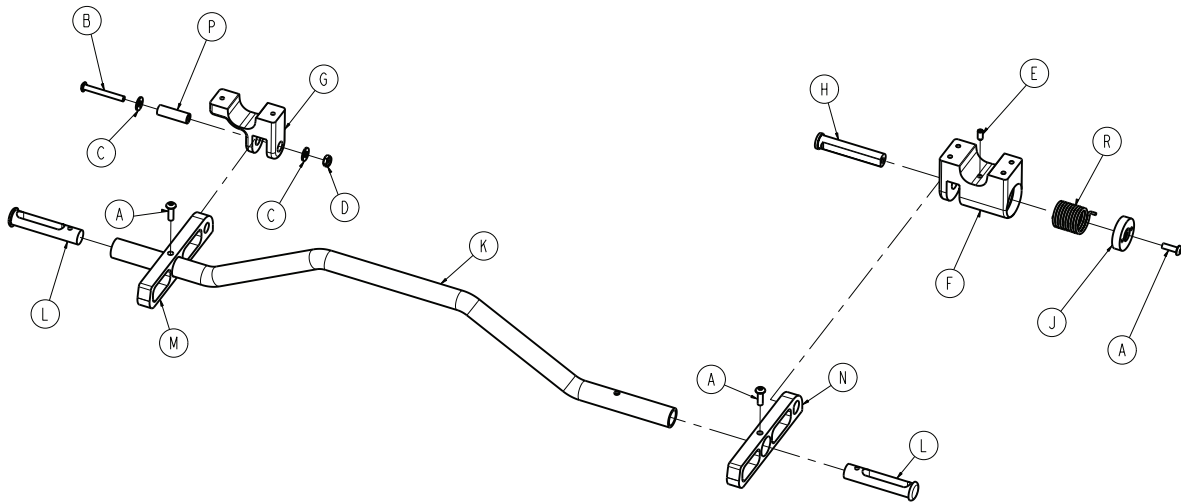
Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-460-000	Button head socket screw	4
B	0004-515-000	Button head cap screw	2
C	0004-503-000	Button head cap screw	1
D	0004-160-000	Socket head cap screw	2
E	0016-003-000	Nylock hex nut	2
F	6080-090-108	Label, lift here	2
G	6500-001-302	Base tube protector	1
H	6060-004-043	Retaining post cap	1
J	6060-004-044	Post tube	1
K	6085-002-001	Kickstand cot retaining post bracket	1
L	6085-002-002	Kickstand top pin bracket	1
M	6085-001-056	Outer base tube weldment	1
N	6085-001-057	Outer base tube weldment	1
P	6506-001-900	Label, refer to instruction manual	2
R	6085-002-016	Kickstand sub assembly - 6085-002-016 (page 62)	1

# Kickstand sub assembly - 6085-002-016

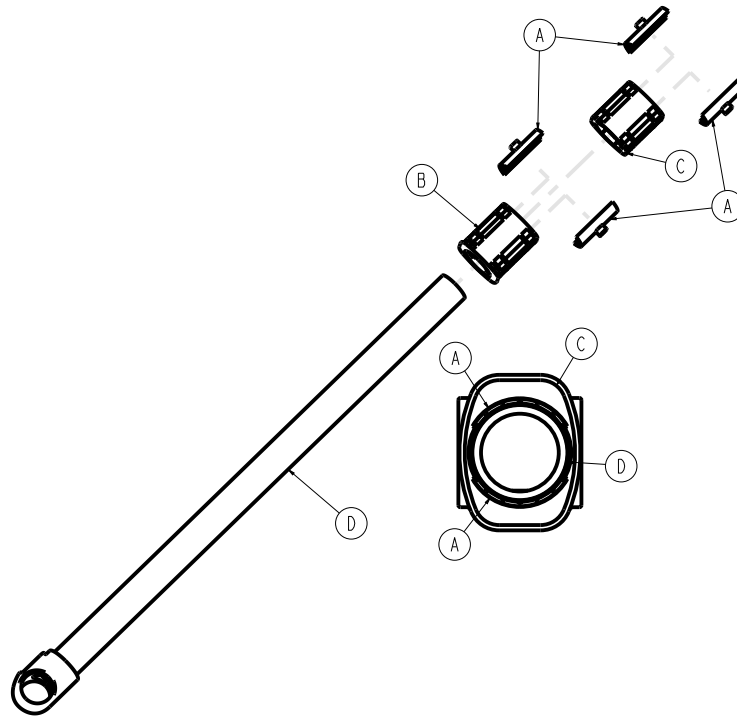
Rev A (Reference only)



Item	Number	Name	Quantity
A	0004-515-000	Button head cap screw	3
B	0004-636-000	Button head cap screw	1
C	0011-302-000	Plain washer	2
D	0016-131-000	Nylock hex nut	1
E	0021-180-000	Set screw	1
F	6085-002-003	Kickstand spring housing	1
G	6085-002-004	Kickstand bottom bracket	1
H	6085-002-006	Kick bolt	1
J	6085-002-007	Kick bolt head	1
K	6085-002-008	Kick tube	1
L	6085-002-009	Kick tube cap	2
M	6085-002-011	Rocker strut, left	1
N	6085-002-012	Rocker strut, right	1
P	6085-002-013	Kickstand spacer	1
R	6085-002-014	Kickstand torsion spring	1

# Outer lift tube assembly, base pivot - 6500-301-021

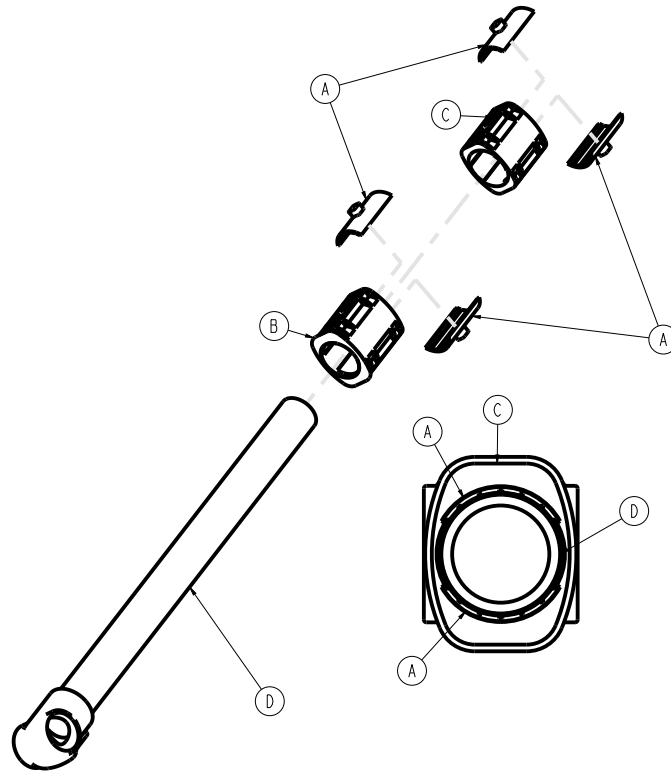
Rev B (Reference only)



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)

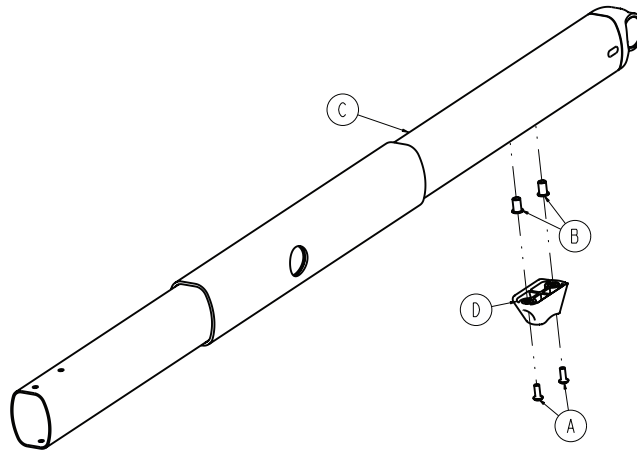


Item	Number	Name	Quantity
A	6500-101-327	Half shell bearing	4
B	6500-001-328	Bearing carrier, lower	1
C	6500-001-329	Bearing carrier, middle	1
D	6500-301-051	Lift tube weldment, base pivot	1



# Inner lift tube, litter pivot, patient right assembly - 6500-001-034

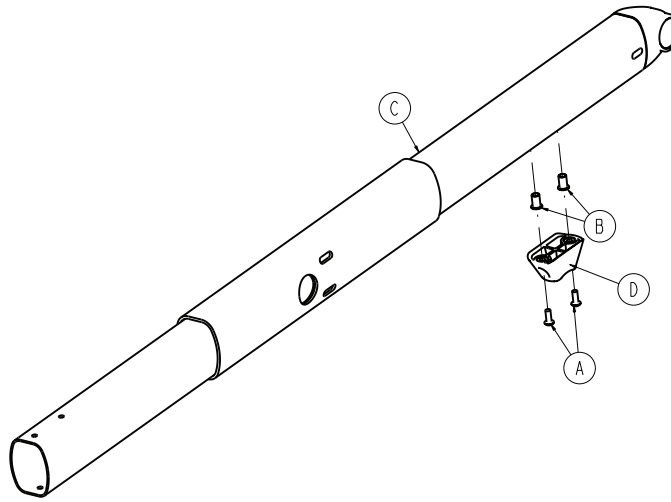
Rev F (Reference only)



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

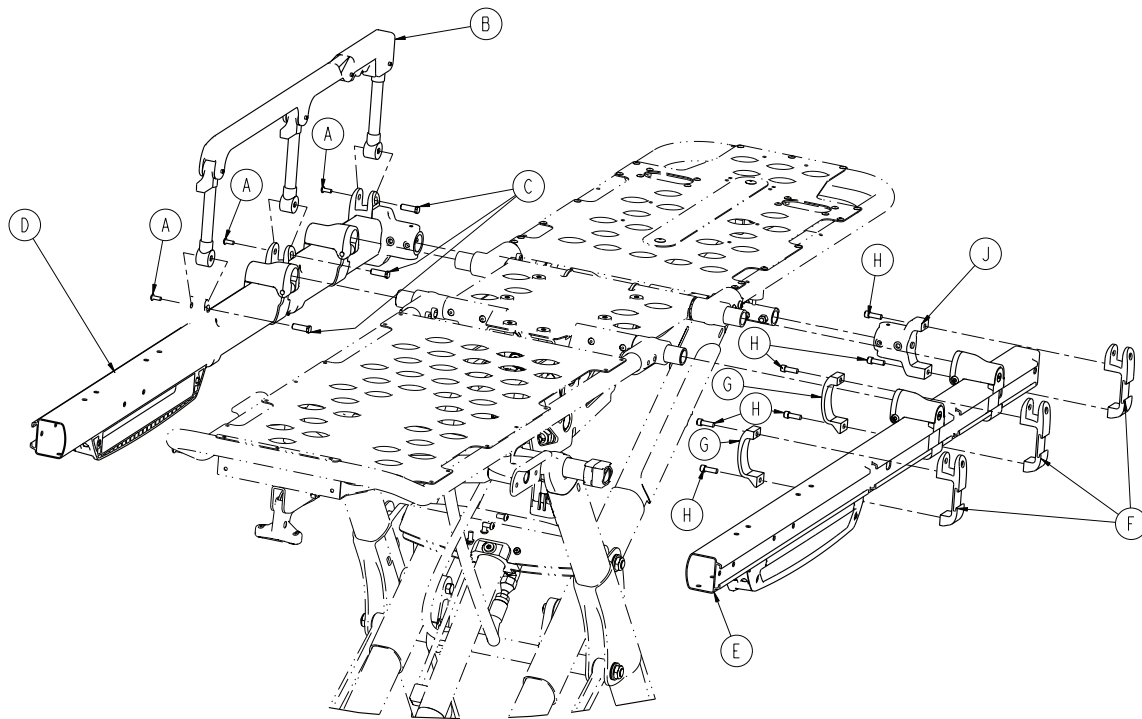
Rev F (Reference only)



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

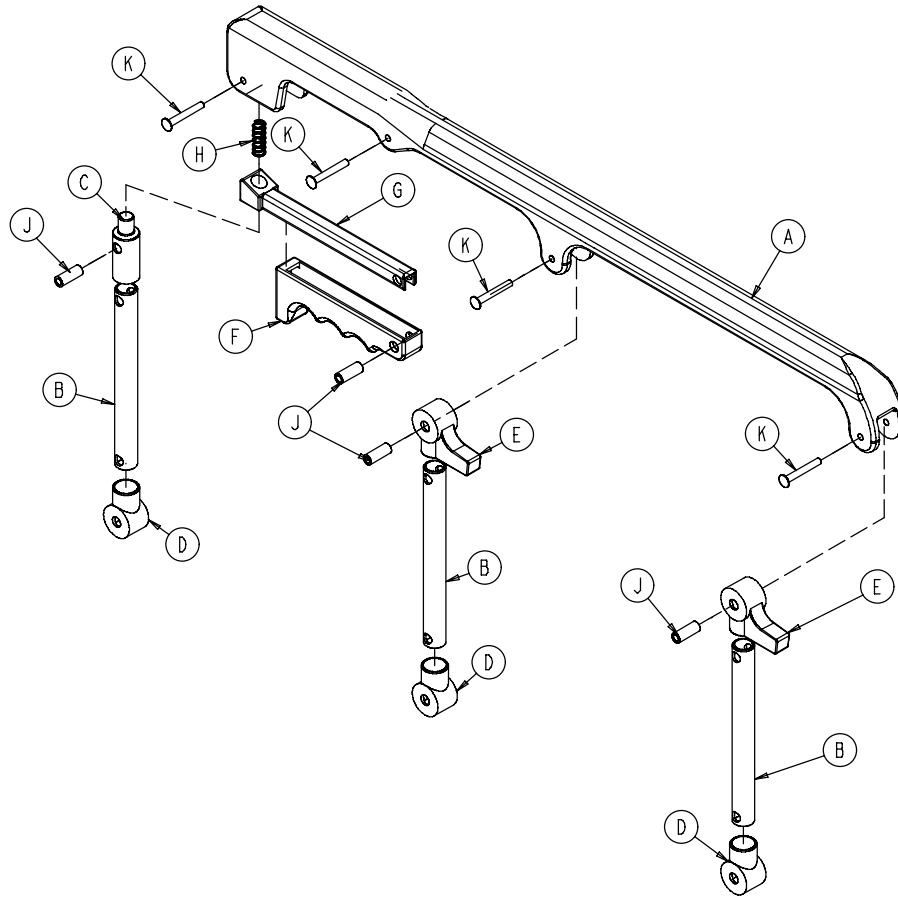
6506-031-000 Rev B (Reference only)



Item	Number	Name	Quantity
A	0004-585-000	Button head cap screw	6
B	6082-026-010	Siderail assembly (page 68)	2
C	6500-001-118	Siderail nut	6
D	6500-002-032	Outer rail sub assembly, right (page 69)	1
E	6500-002-033	Outer rail sub assembly, left (page 70)	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

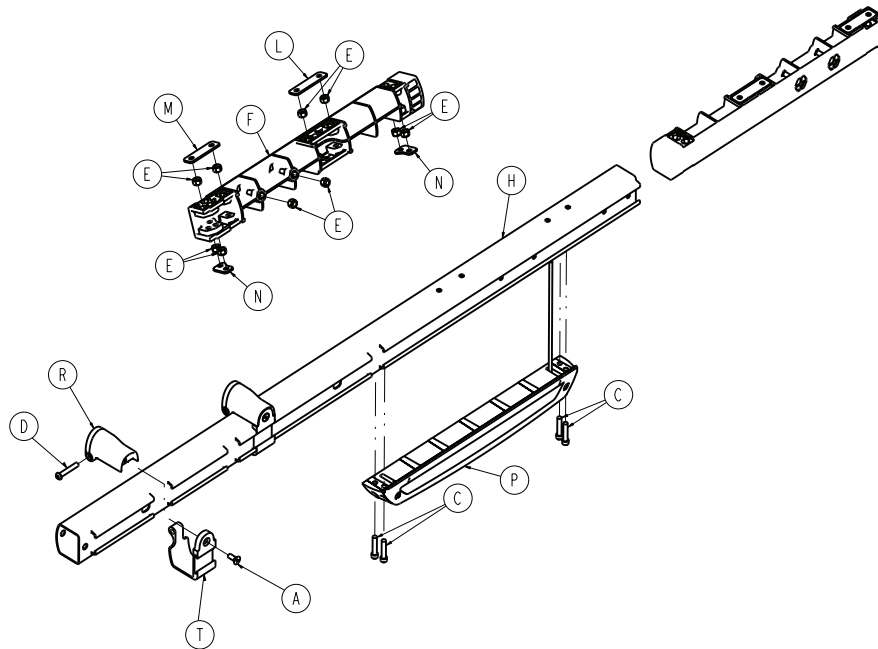
6082-026-010 Rev B (Reference only)



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, right

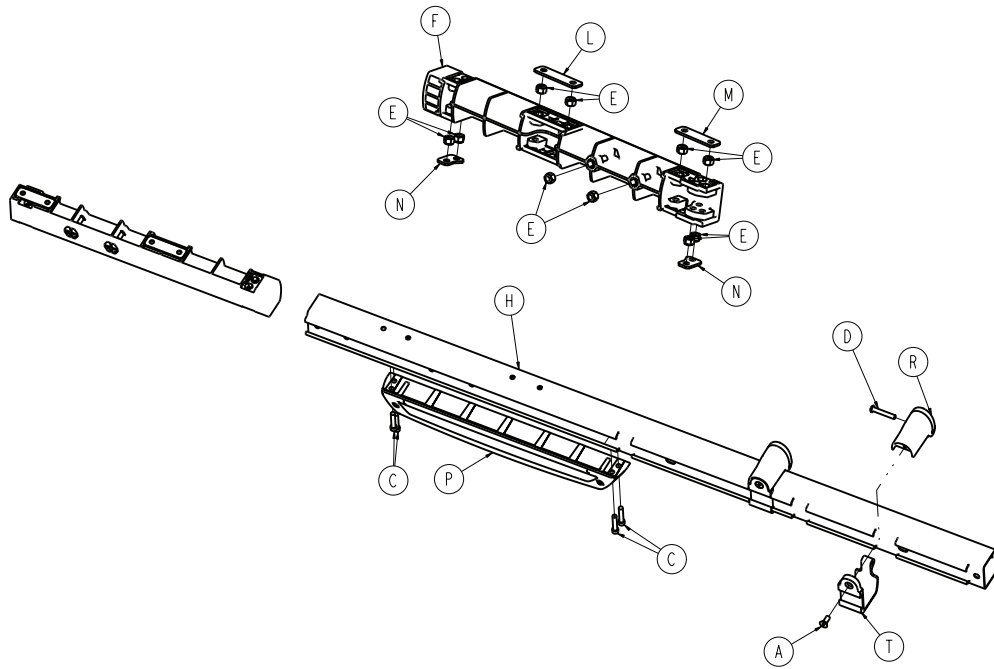
6500-002-032 Rev C (Reference only)



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 71)</i>	1
R	6500-002-130	Litter support bracket	2
T	6500-002-131	Litter support bracket, inner	2

# Outer rail sub assembly, left

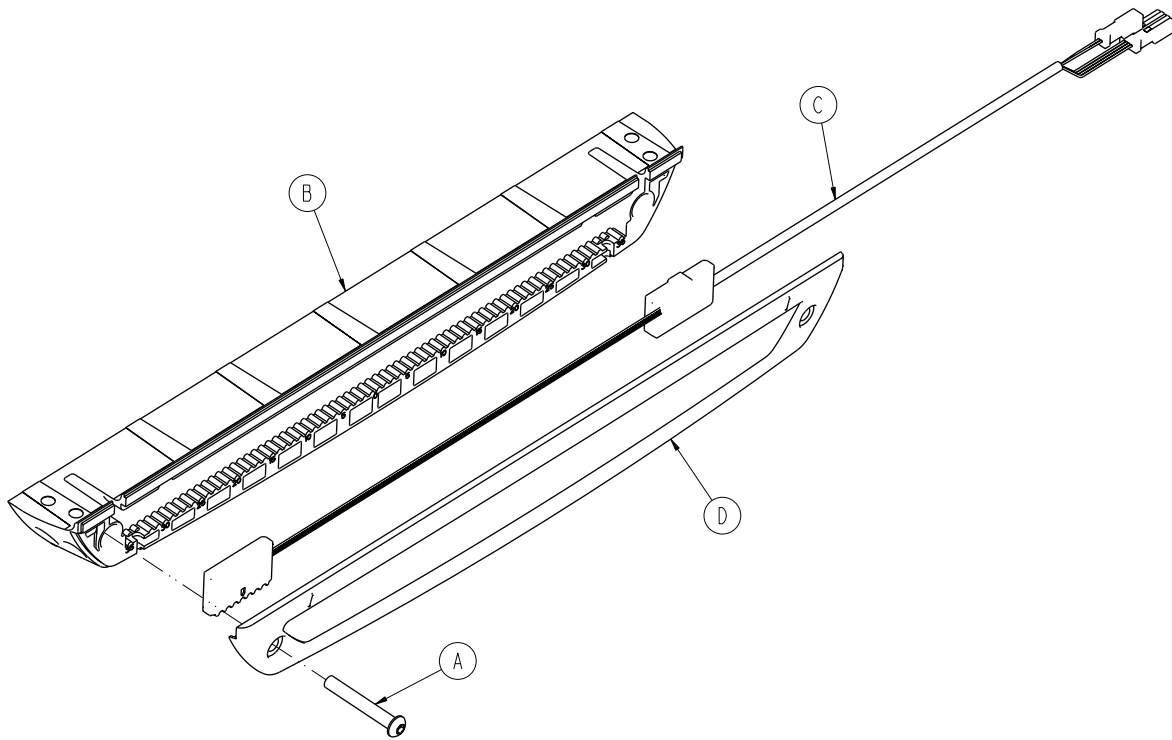
6500-002-033 Rev C (Reference only)



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	Sensor housing assembly (page 72)	1
R	6500-002-130	Litter support bracket	2
T	6500-002-131	Litter support bracket, inner	2

# Hall sensor assembly

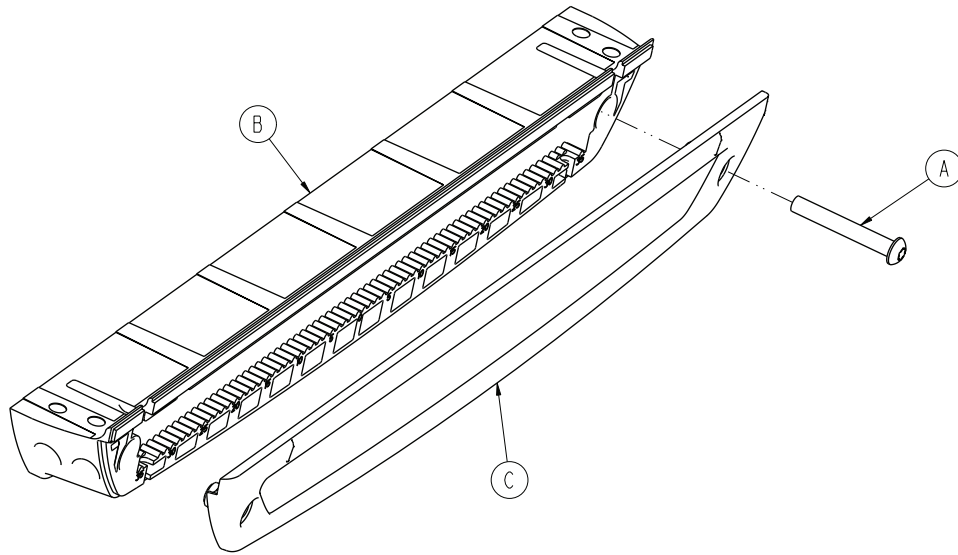
6500-002-028 Rev A (Reference only)



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)

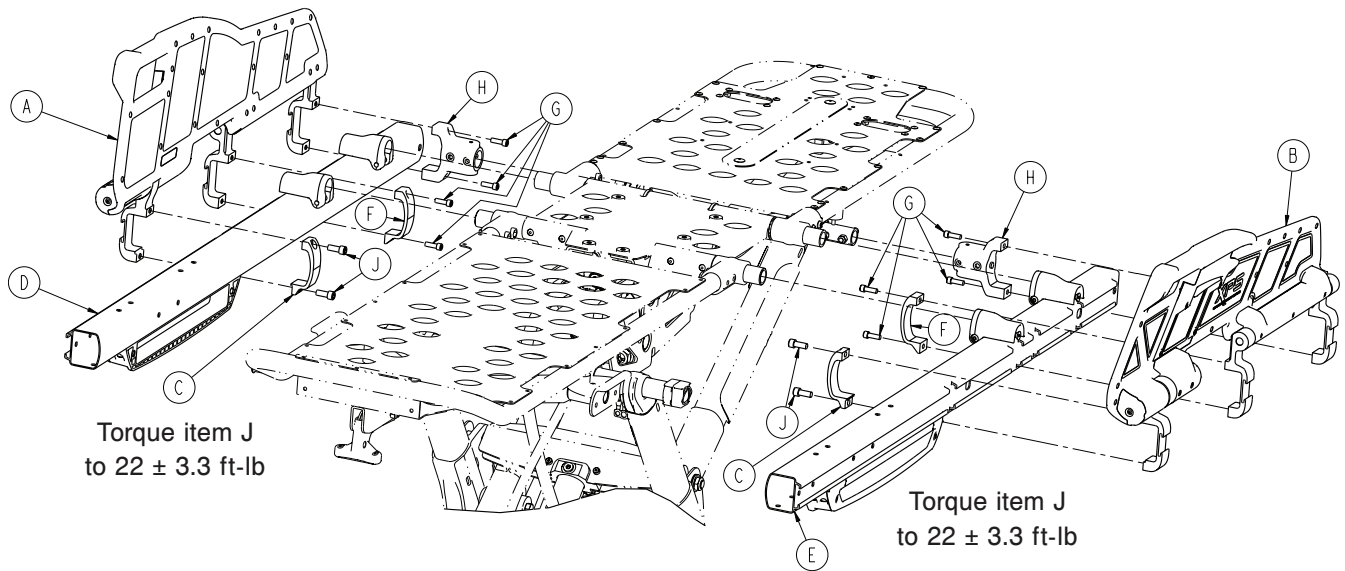


Item	Number	Name	Quantity
A	0004-596-000	Button head cap screw	1
B	6500-001-124	Sensor housing	1
C	6500-001-199	Housing cover	1



# XPS option siderail

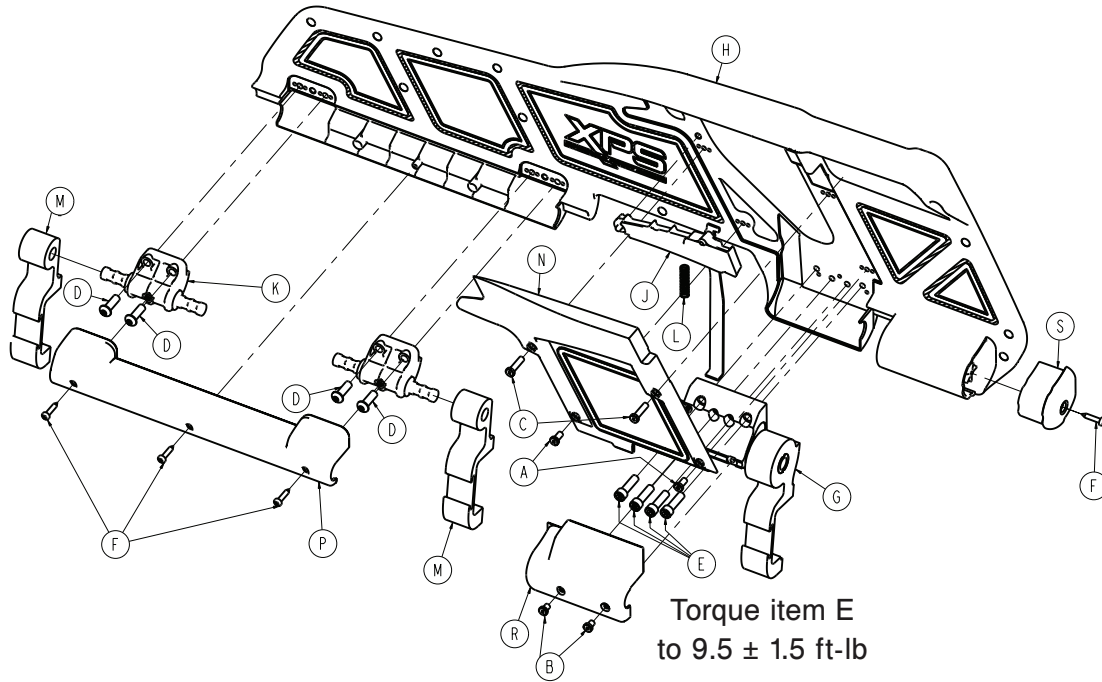
6506-040-000 Rev A (Reference only)



Item	Number	Name	Quantity
A	6500-003-034	XPS main assembly, right - 6500-003-034 (page 74)	1
B	6500-003-044	XPS main assembly, left - 6500-003-044 (page 75)	1
C	6500-003-099	XPS siderail clamp	2
D	6500-002-032	Outer rail sub assembly, right (page 69)	1
E	6500-002-033	Outer rail sub assembly, left (page 70)	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, right - 6500-003-034

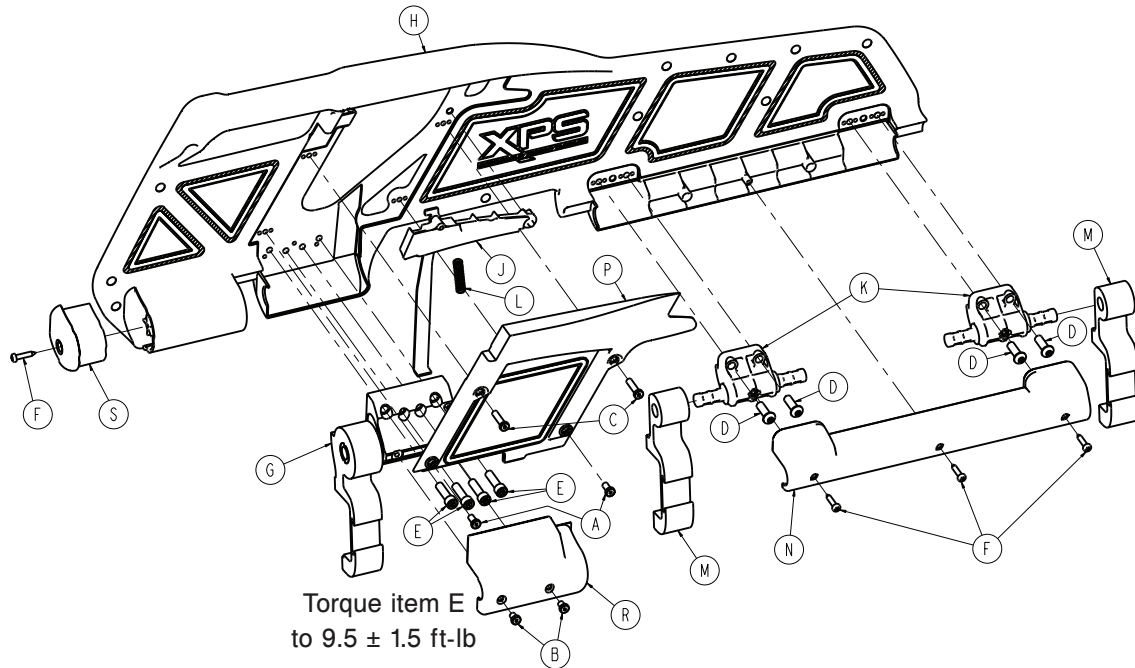
Rev C (Reference only)



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, right	1
H	6500-003-037	XPS overmold assembly, right	1
J	6500-003-043	XPS handle assembly, 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, right	1
P	6500-003-097	XPS pivot cover	1
R	6500-003-119	XPS ratchet cover, right/left	1
S	6500-003-121	End cap cover, right	1

# XPS main assembly, left - 6500-003-044

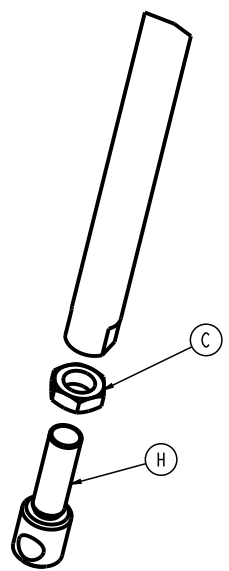
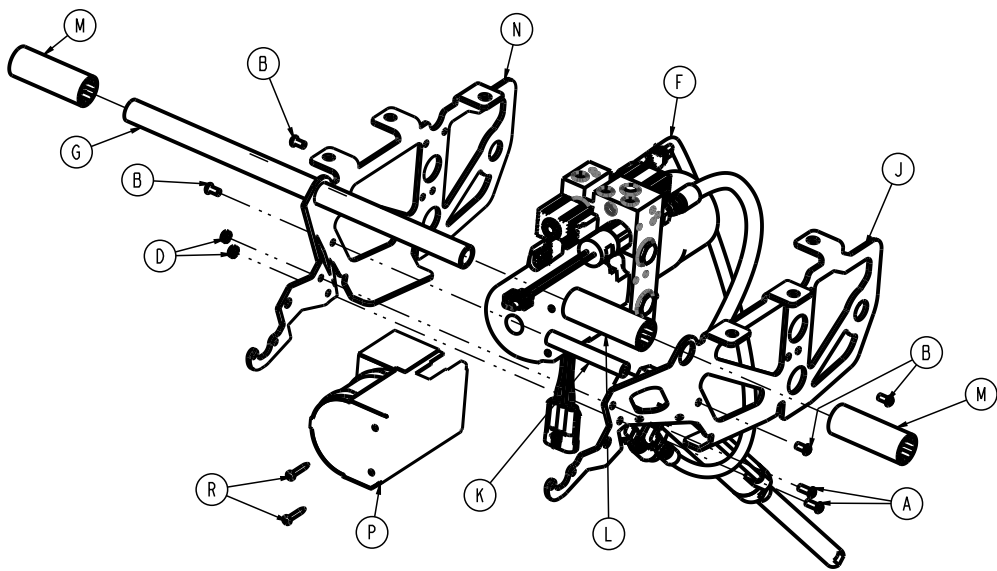
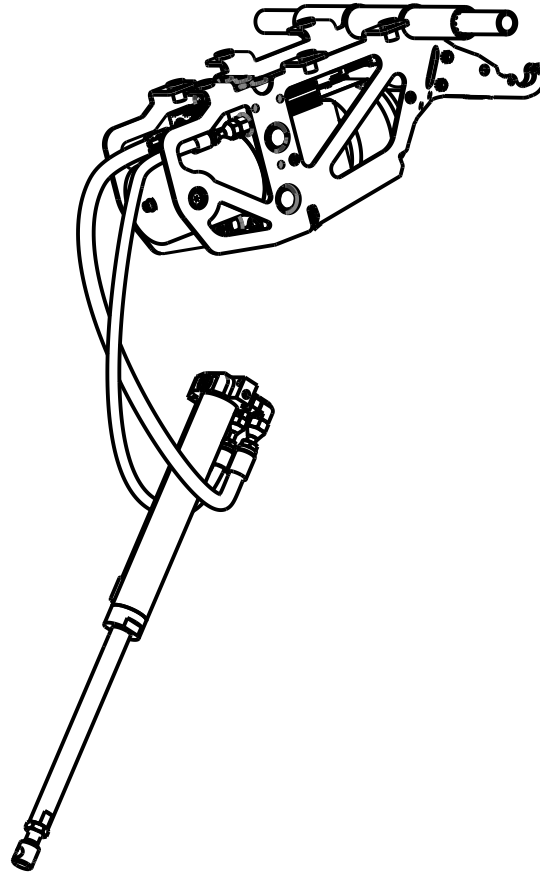
Rev C (Reference only)

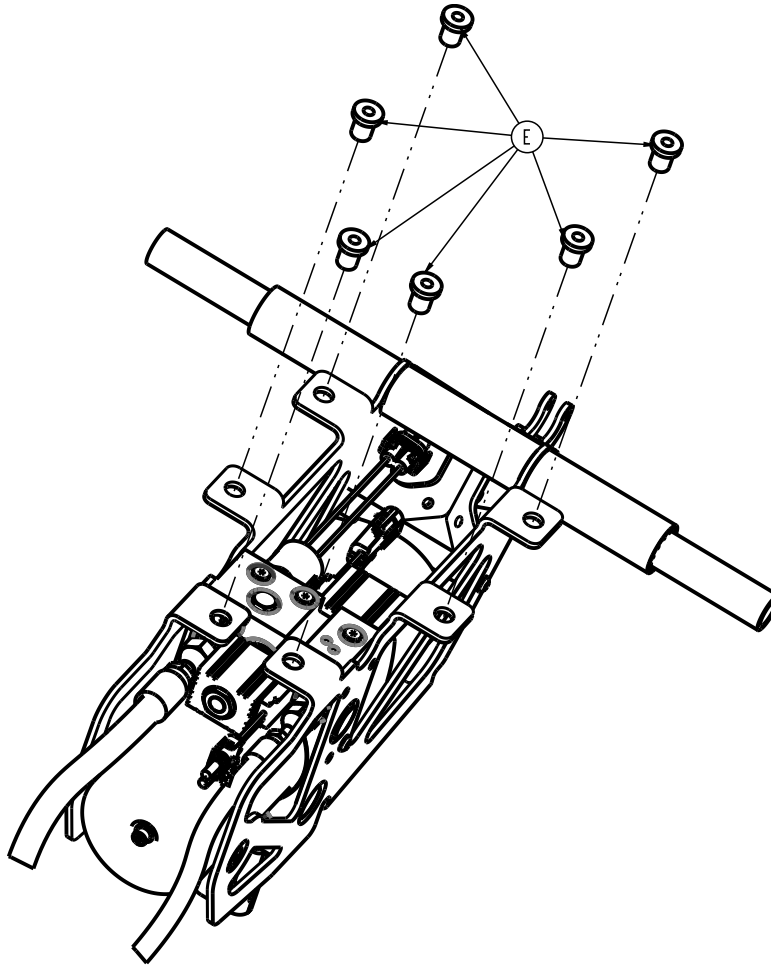


Item	Number	Name	Quantity
A	0004-400-000	Socket head cap screw	2
B	0004-402-000	Socket head cap screw	2
C	0004-403-000	Socket head cap screw	2
D	0004-468-000	Button head cap screw	4
E	0004-661-000	Socket head cap screw	4
F	0023-297-000	Delta screw	4
G	6500-003-036	XPS ratchet assembly, right	1
H	6500-003-038	XPS overmold assembly, right	1
J	6500-003-045	XPS handle assembly, 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, left	1
R	6500-003-120	XPS ratchet cover, right/left	1
S	6500-003-122	End cap cover, right	1

# Power assembly

6500-002-031 Rev D (Reference only)

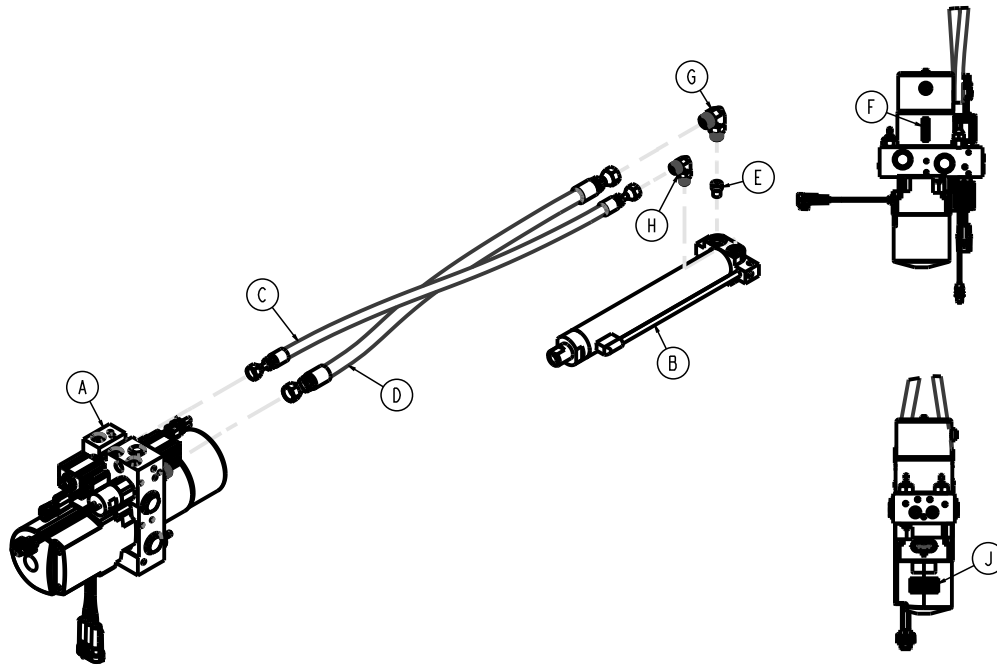




Item	Number	Name	Quantity
A	0004-577-000	Button head cap screw	2
B	0004-589-000	Button head cap screw	4
C	0015-052-000	Hex jam nut	1
D	0016-102-000	Nylock hex nut	2
E	0055-100-074	Well nut	6
F	6500-101-030	<i>Hydraulic sub assembly - 6500-101-030</i> (page 78)	1
G	6500-001-105	Litter support cross tube	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

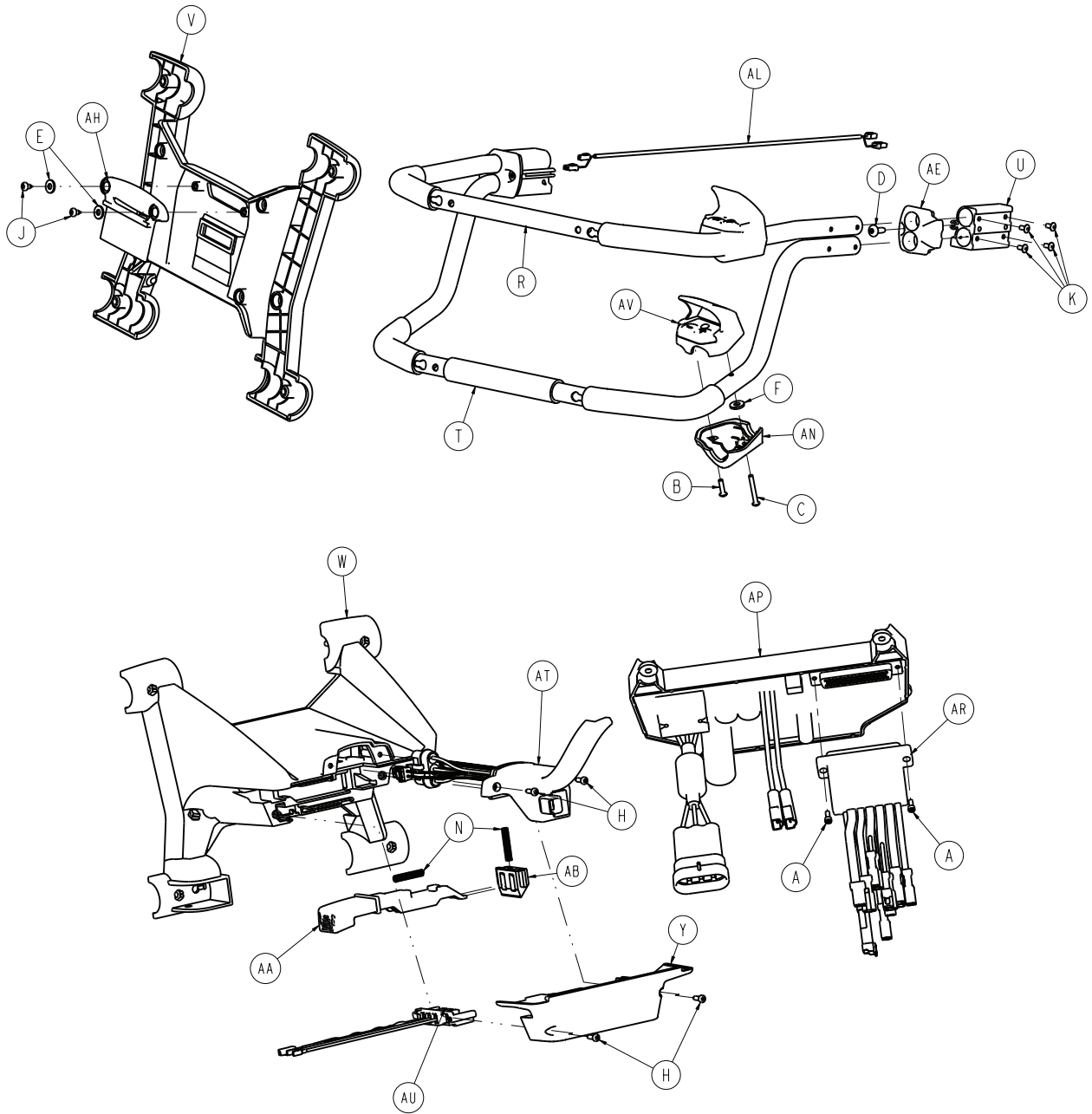
Rev AC (Reference only)

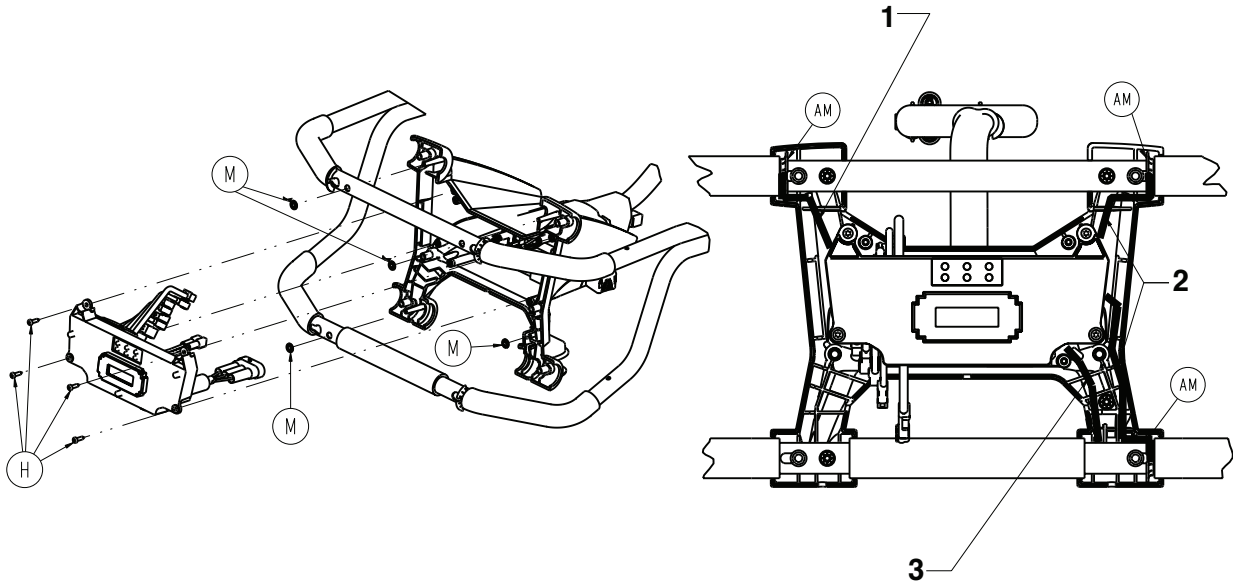


Item	Number	Name	Quantity
A	6500-101-214	Manifold assembly	1
B	6500-002-034	Hydraulic cylinder assembly	1
C	6500-001-211	Hydraulic hose assembly	1
D	6500-001-210	Hydraulic hose	1
E	Depatie 8506-1.9	Vonberg velocity fuse	1
F	Depatie fusion bar code label	Label, serial number	1
G	6500-001-296	Cap side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

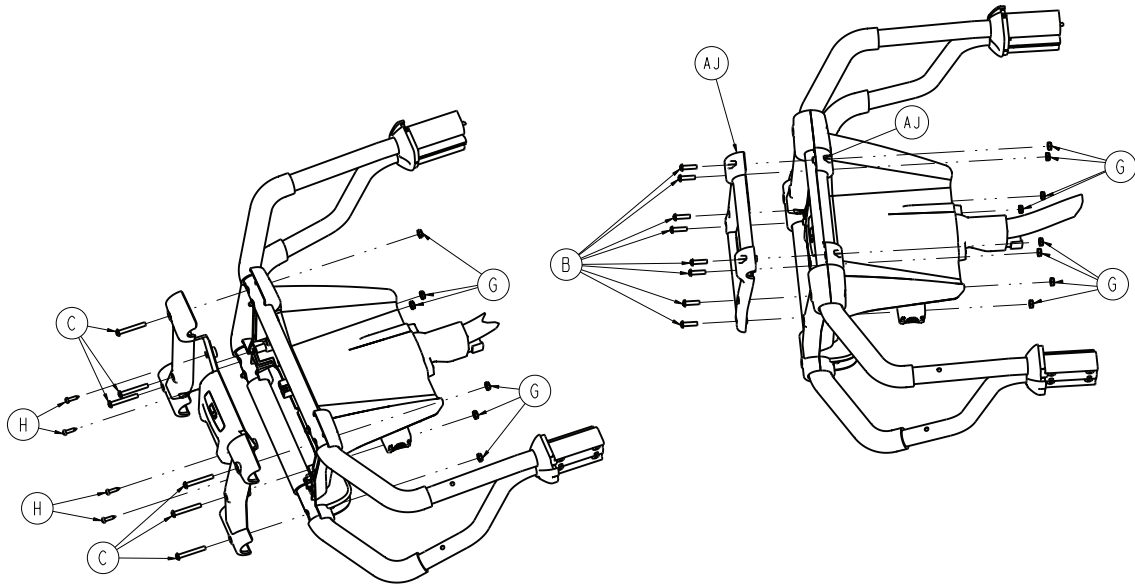
# Foot end assembly

6500-102-015 Rev AA (Reference only)

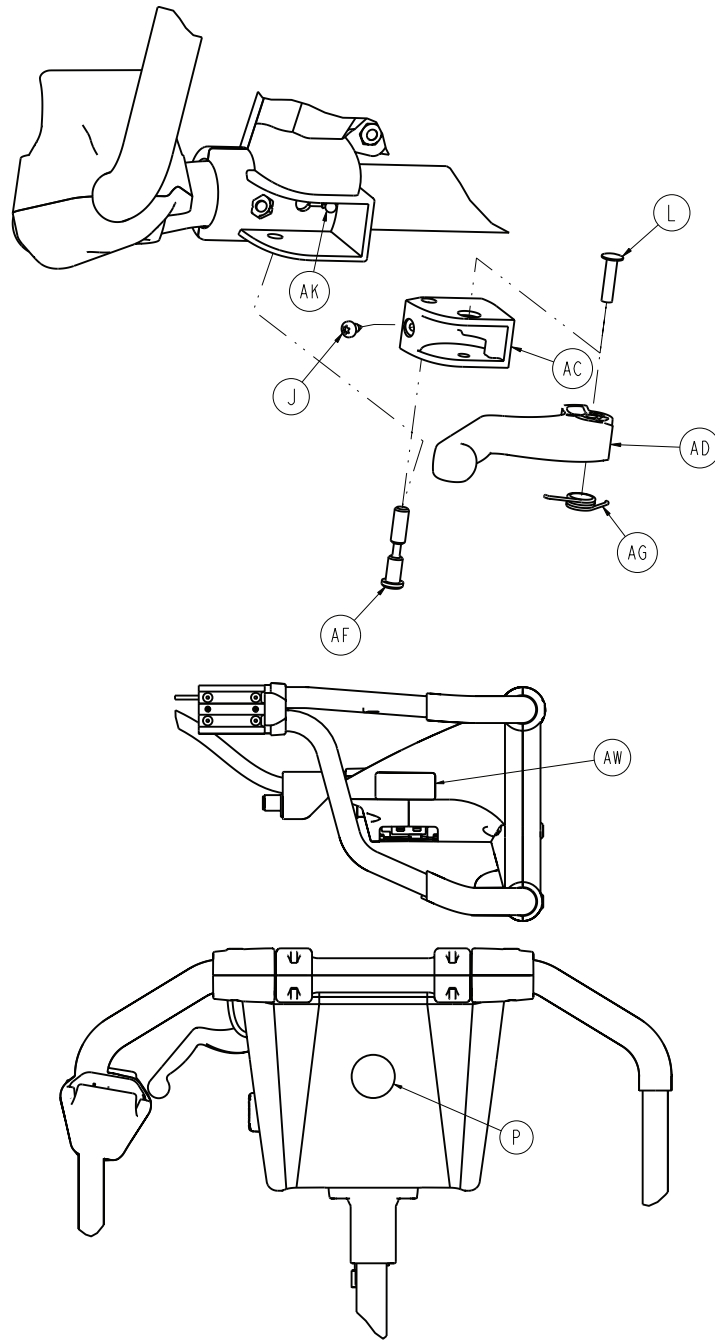




1	Route hall sensor cable around item (AM) and through this area
2	Route switch cables around item (AM) and through this area
3	Route manual release cable through this area





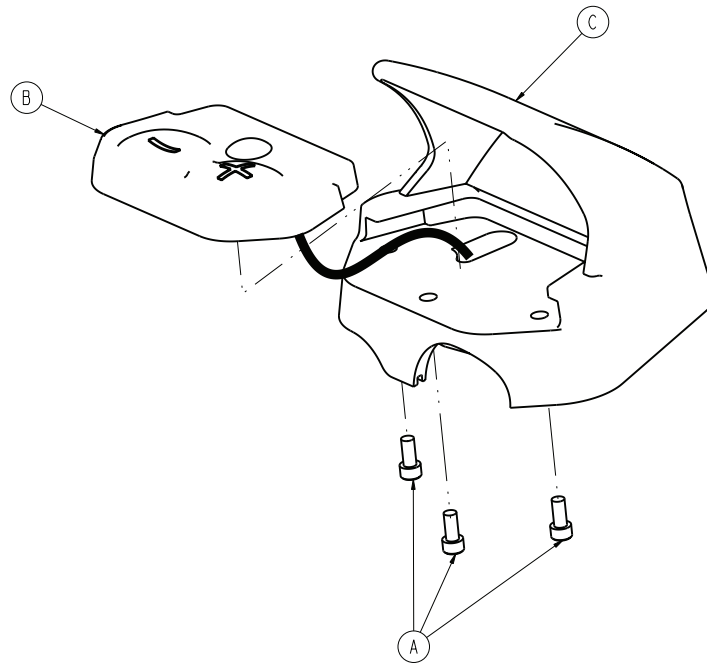


Item	Number	Name	Quantity
A	0004-874-000	Socket head cap screw	2
B	0004-614-000	Button head cap screw	10
C	0004-615-000	Button head cap screw	8
D	0007-086-000	Truss head screw	2
E	0011-062-000	Washer	2
F	0011-543-000	Washer	2
G	0016-131-000	Nylock hex nut	14
H	0023-162-000	Delta screw	12
J	0023-163-000	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 - 650600010016 (page 2 83)</i>	
AW	6500-001-356	Label, SMRT power	1

# Button assembly - 650600010016

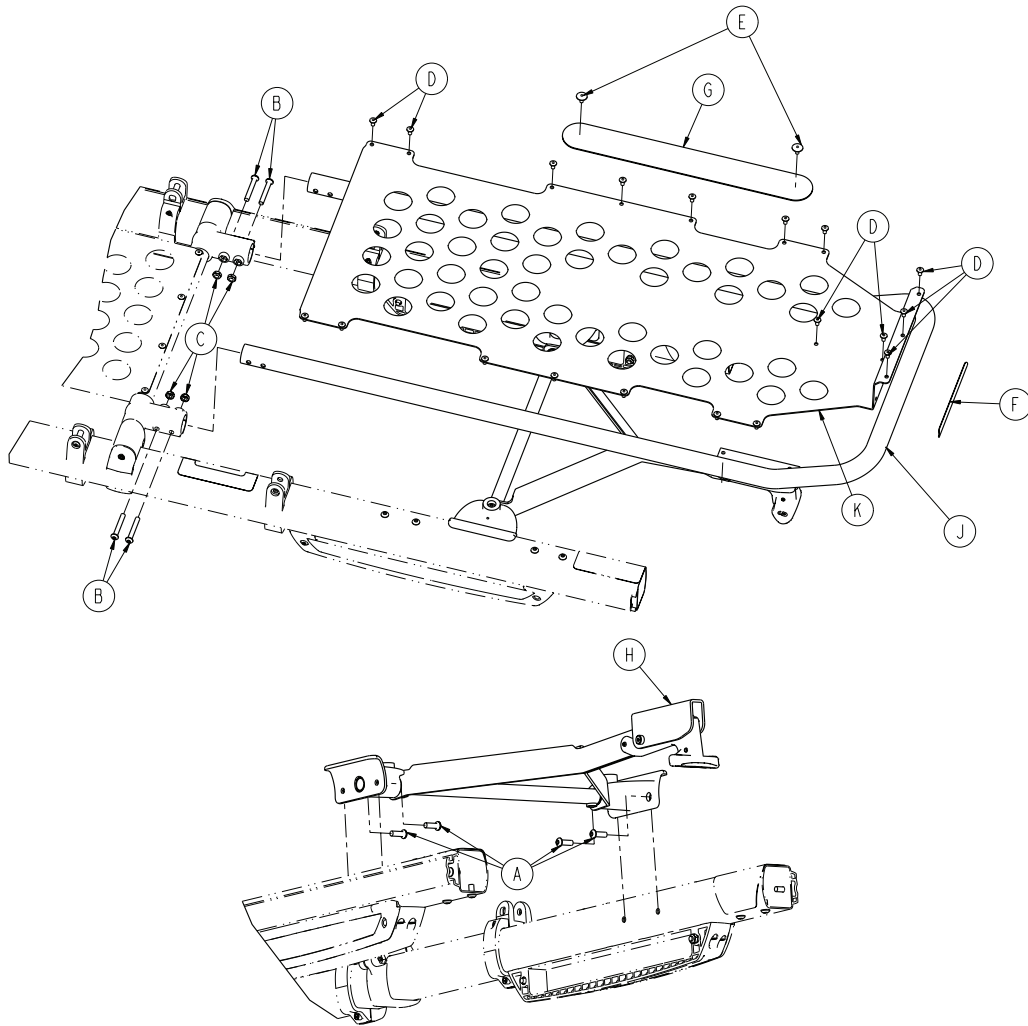
Rev AA (Reference only)



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 - 6085-031-000

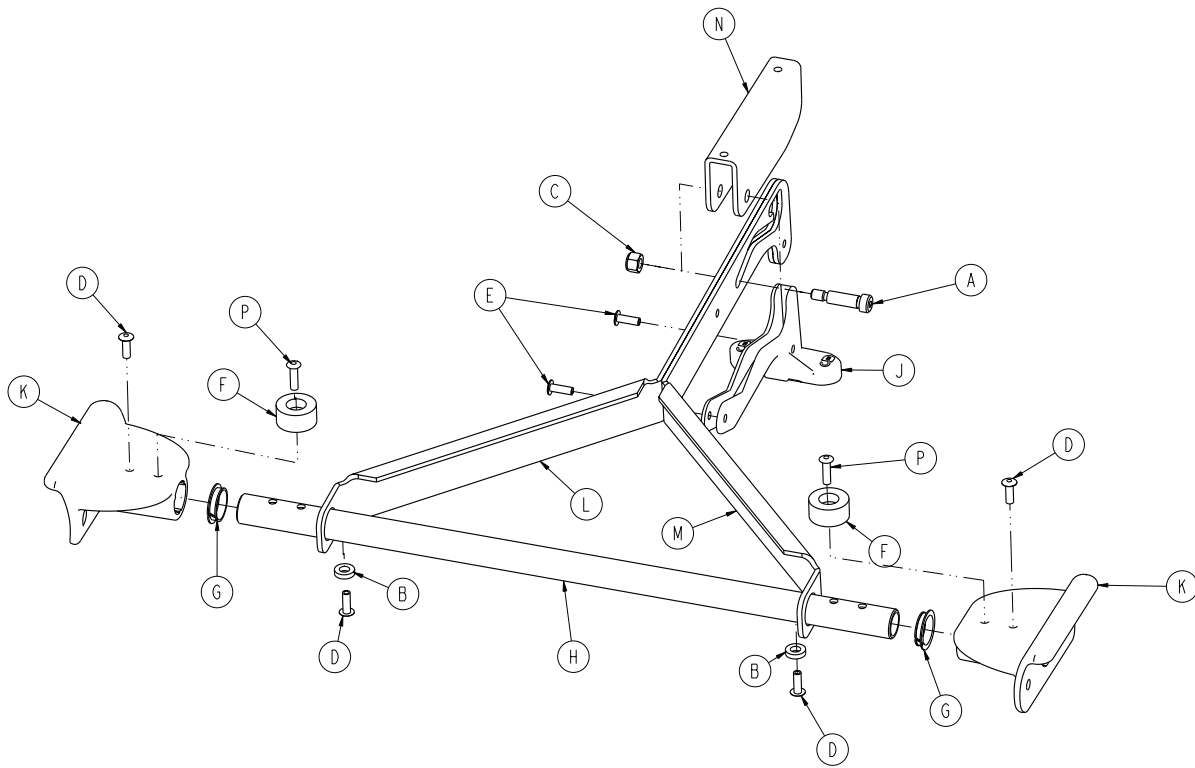
Rev A (Reference only)



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	<i>Trend assembly</i> (page 85)	1
J	6500-001-197	Foot section tube	1
K	6500-001-198	Foot section skin	1

# Trend assembly

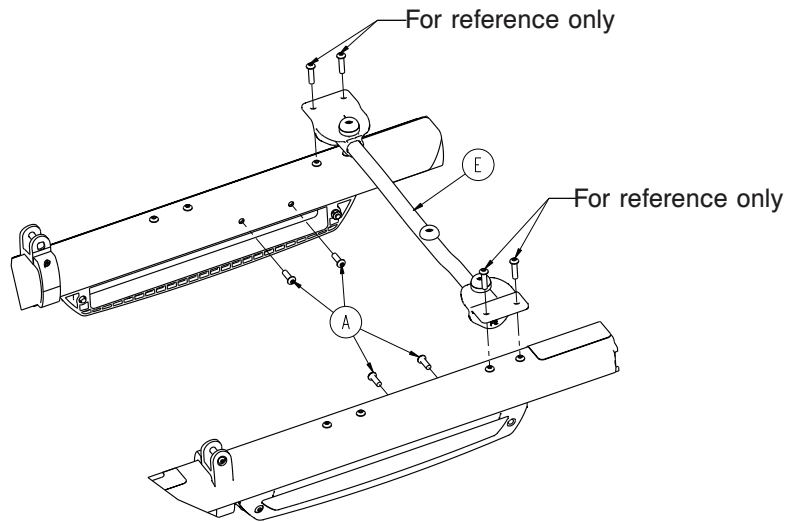
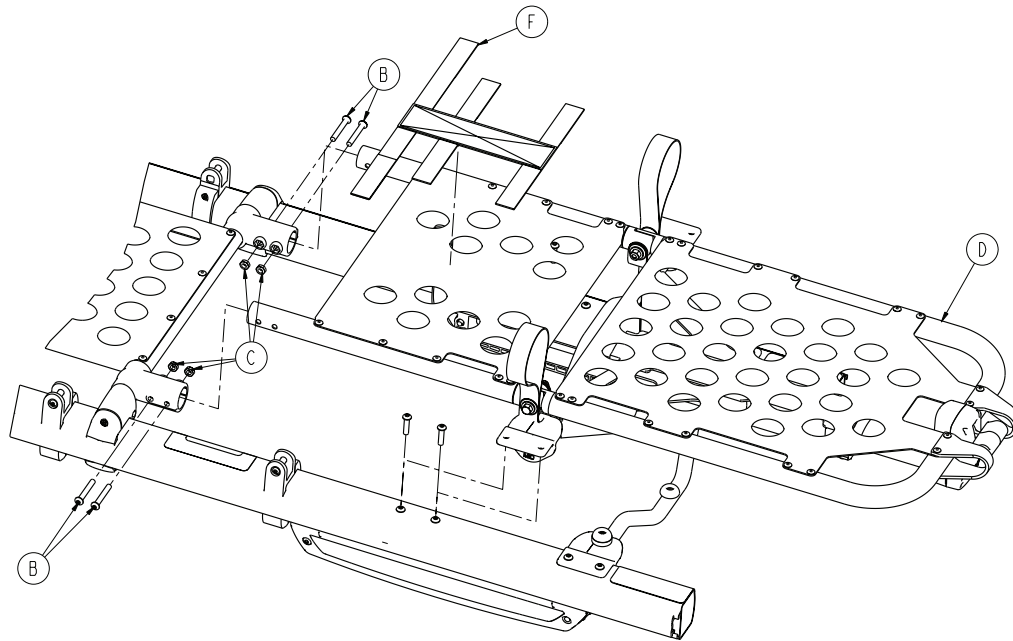
6500-001-019 Rev D (Reference only)



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, right	1
M	6500-001-204	Calf stand support, left	1
N	6500-001-205	Retainer, calf stand	1
P	0025-651-000	Dome head rivet	2

# Gatch option - 6500-082-000

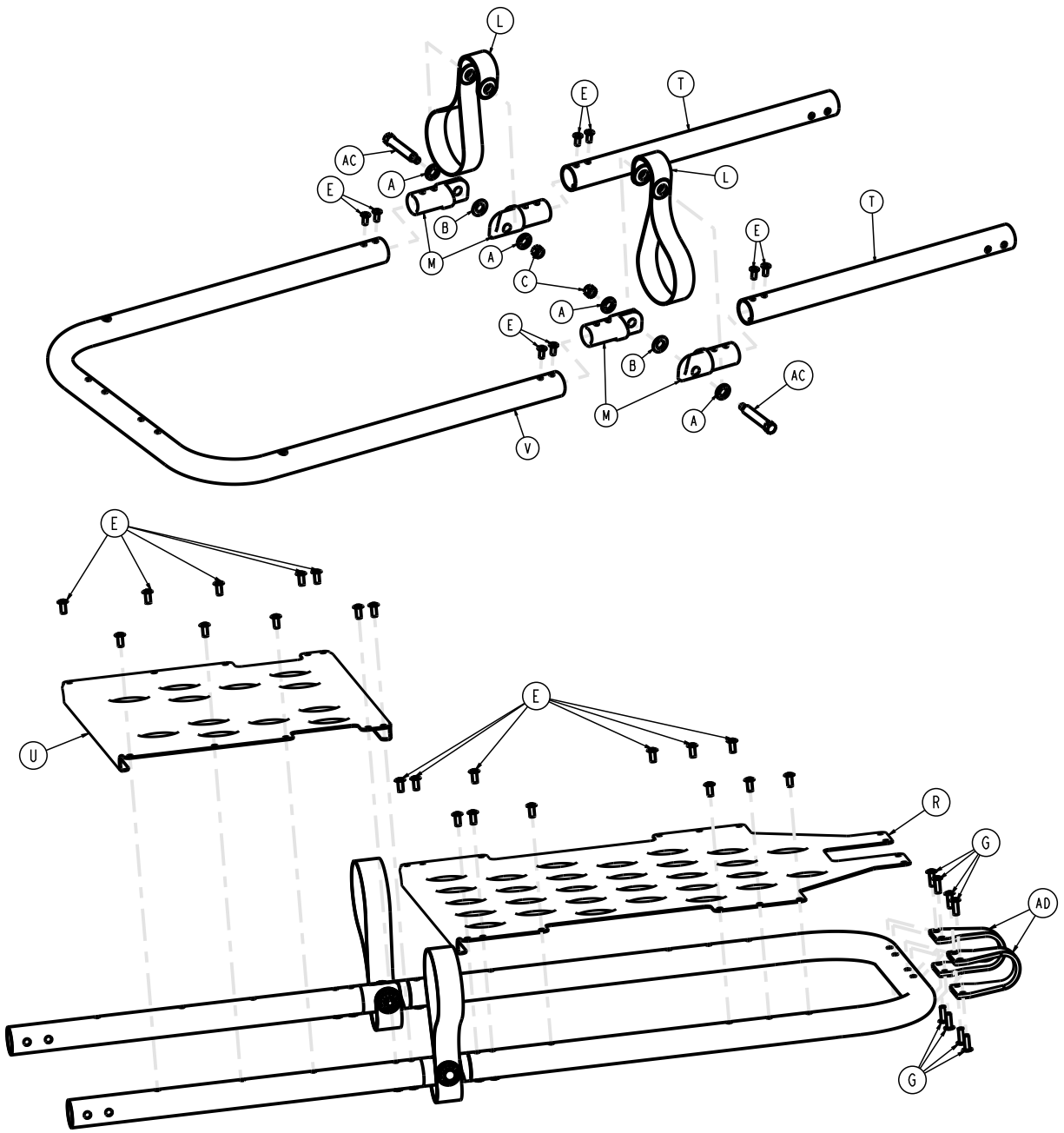
Rev A (Reference only)

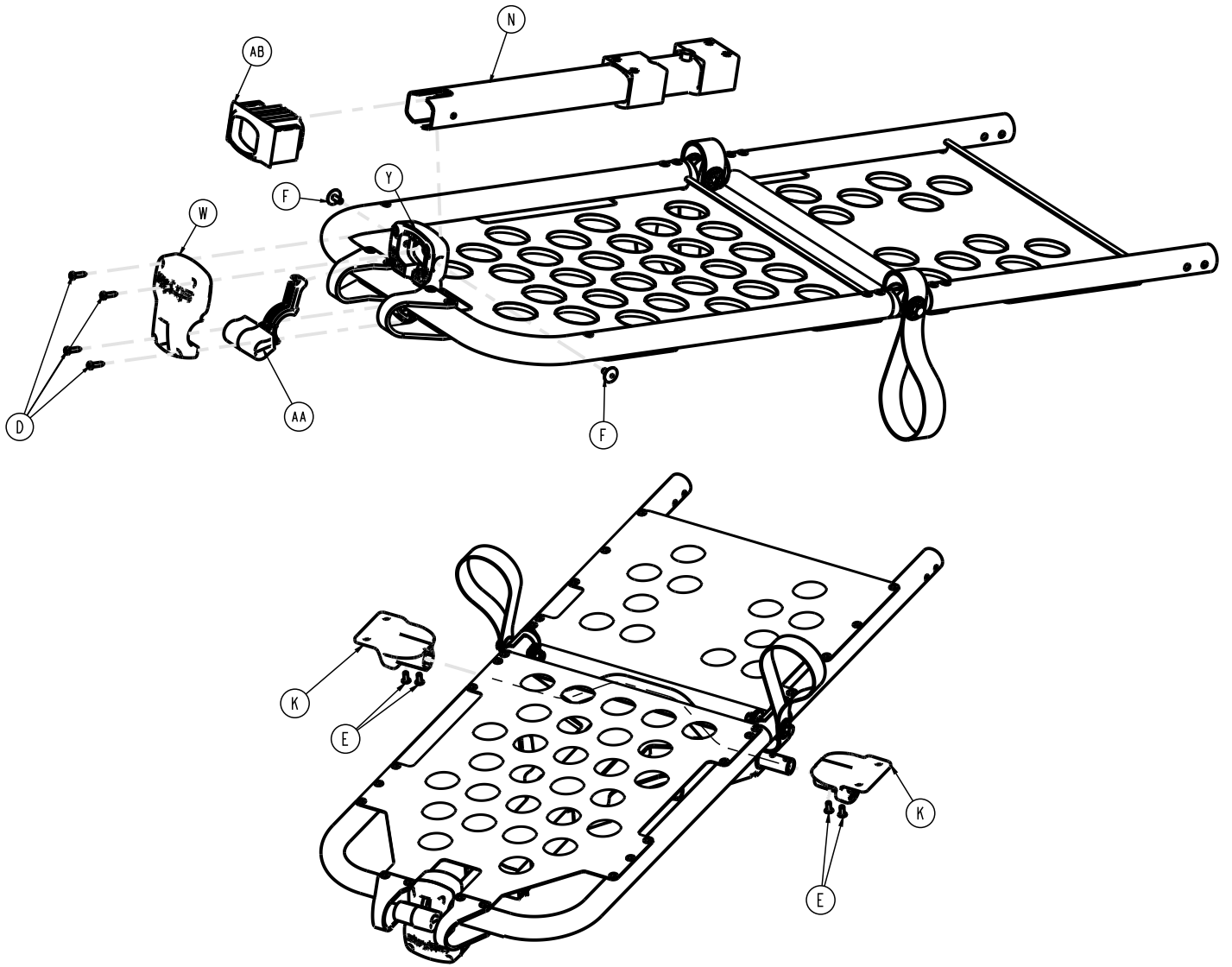


Item	Number	Name	Quantity
A	0004-592-000	Button head cap screw	4
B	0004-596-000	Button head cap screw	4
C	0016-102-000	Nylock hex nut	4
D	6500-001-048	Gatch assembly option - 6500-001-048 (page 87)	1
E	6085-001-031	Gatch support assembly option (page 90)	1
F	6550-001-197	Velcro® strap	1

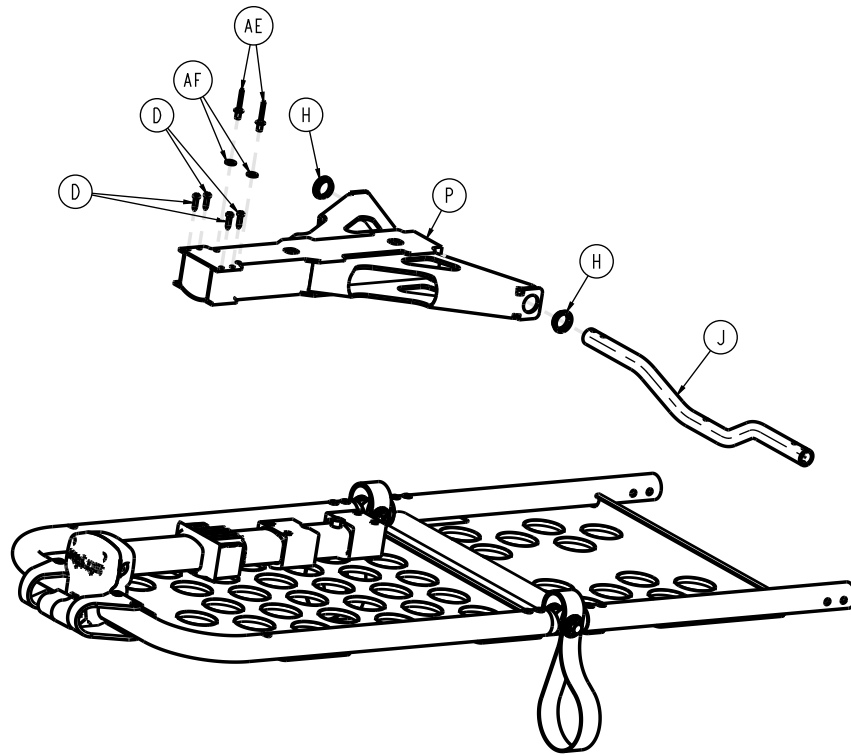
# Gatch assembly option - 6500-001-048

Rev B (Reference only)





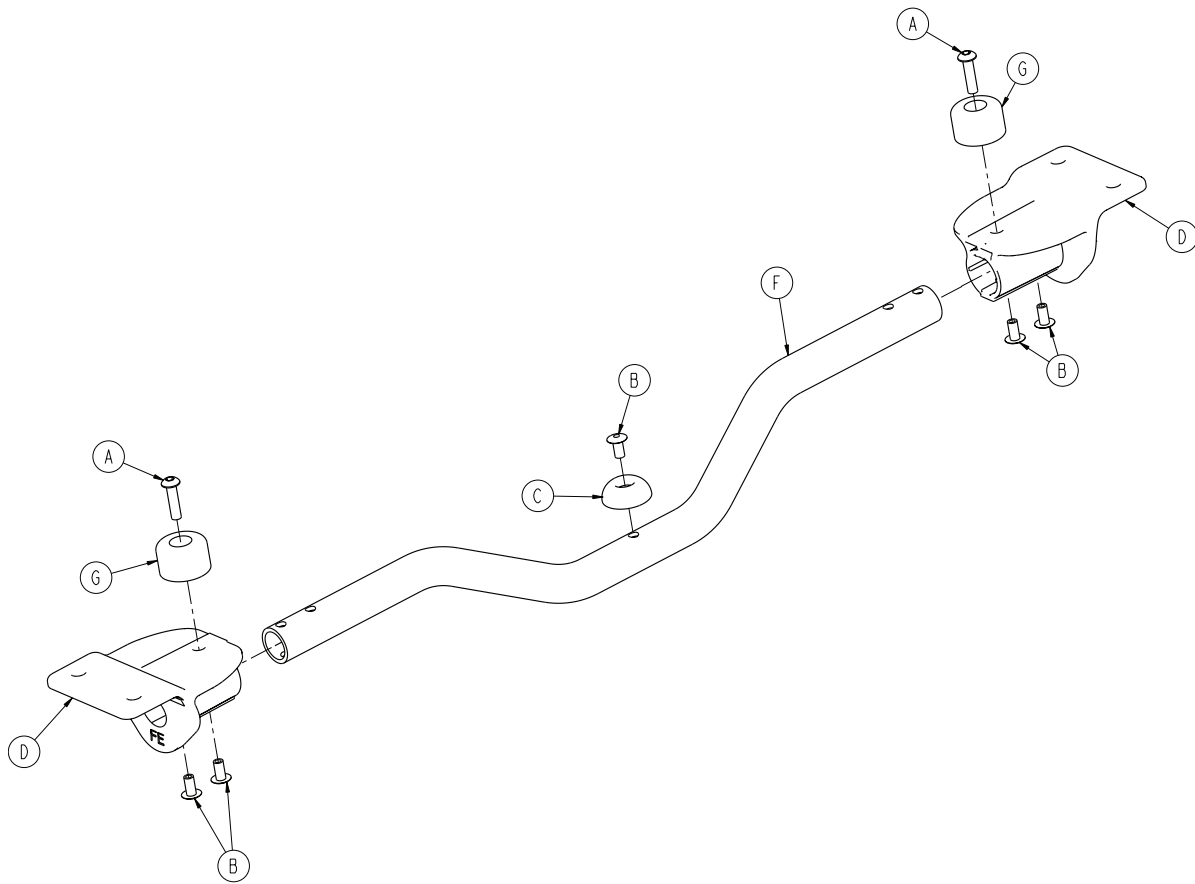




Item	Number	Name	Quantity
A	0011-448-000	Washer	4
B	0014-020-000	Washer	2
C	0016-028-000	Fiberlock hex nut	2
D	0023-162-000	Delta screw	8
E	0025-079-000	Dome head rivet	34
F	0025-132-000	Dome head rivet	2
G	0025-133-000	Dome head rivet	8
H	0081-255-000	Split bearing	2
J	6500-001-346	Gatch cross tube	1
K	6085-001-125	Gatch support, mid	2
L	6100-031-096	Trend lift strap	2
M	6100-031-108	Gatch pivot	4
N	6550-001-017	Gatch telescoping assembly	1
P	6550-001-057	Gatch lock tube weldment	1
R	6550-001-110	Foot section skin	1
T	6550-001-111	Thigh section tube	2
U	6550-001-112	Thigh section skin	1
V	6550-001-116	Foot section u-tube	1
W	6550-001-124	Front Gatch release	1
Y	6550-001-125	Back Gatch release	1
AA	6550-001-126	Gatch release lever	1
AB	6550-001-131	Gatch bearing end cap	1
AC	6550-001-186	Gatch pivot pin	2
AD	6550-001-193	Gatch handle guard	2
AE	0025-271-000	Dome head rivet	2
AF	0011-062-000	Washer	2

# Gatch support assembly option

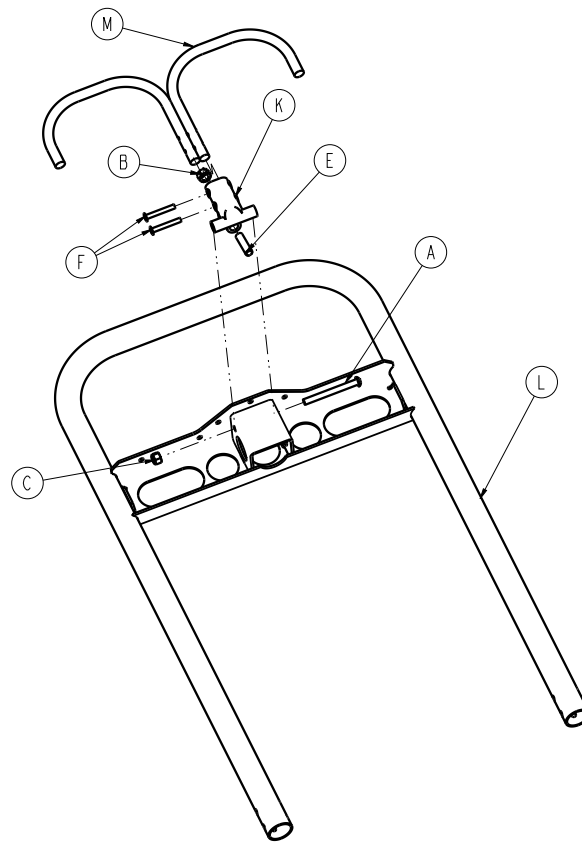
6085-001-031 Rev C (Reference only)



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

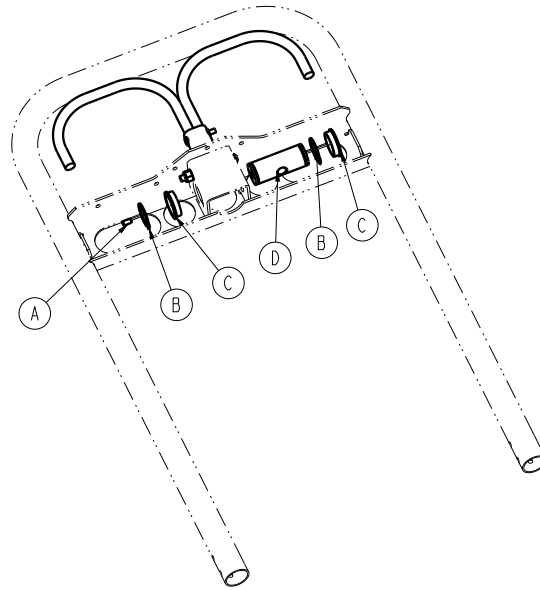
6500-001-018 Rev D (Reference only)



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

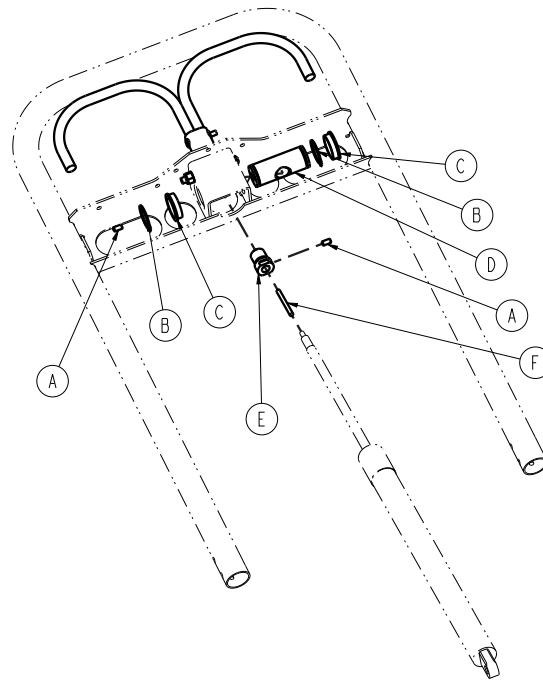
6506-012-003 Rev A (Reference only)



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

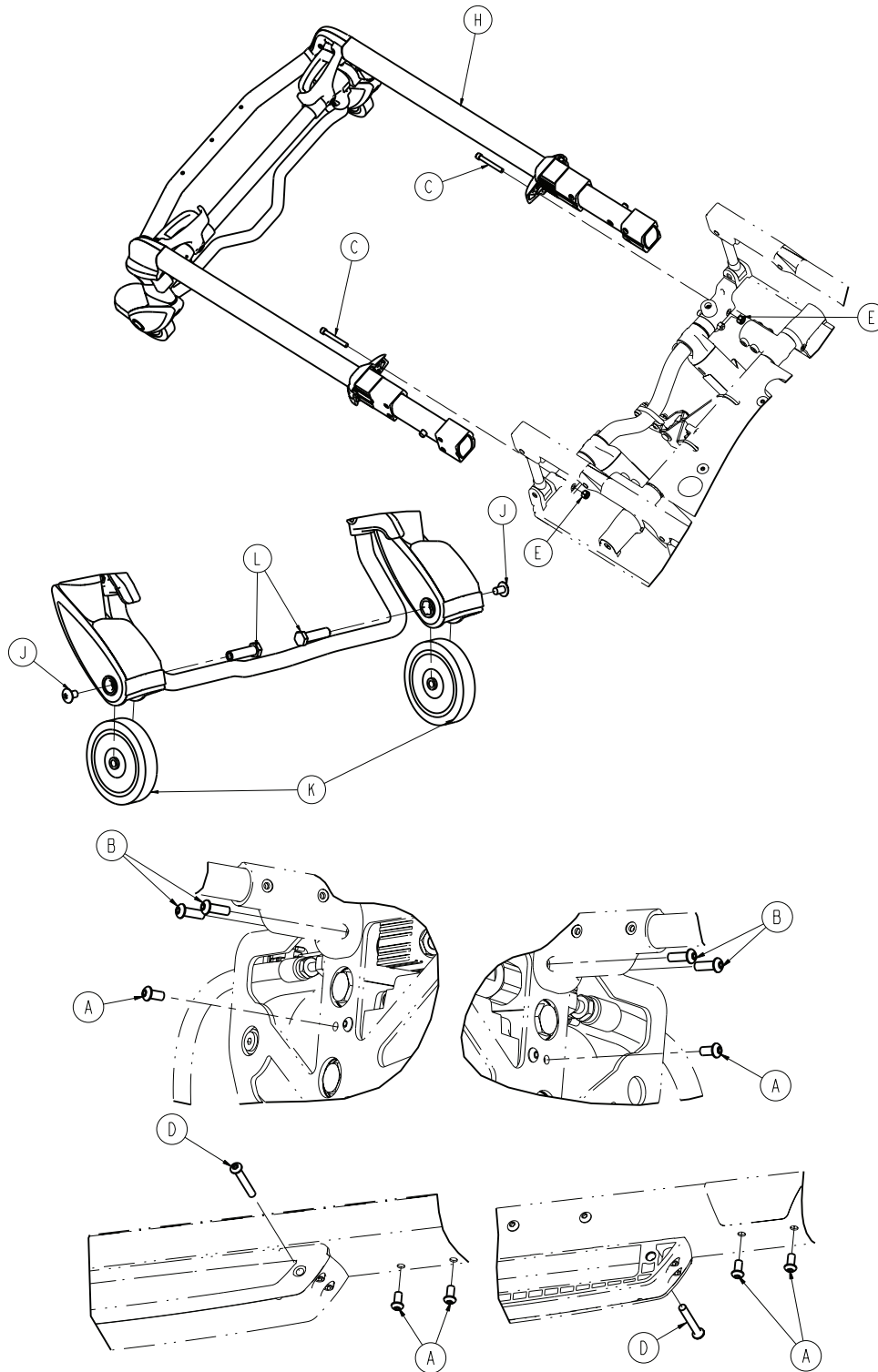
6506-012-004 Rev A (Reference only)

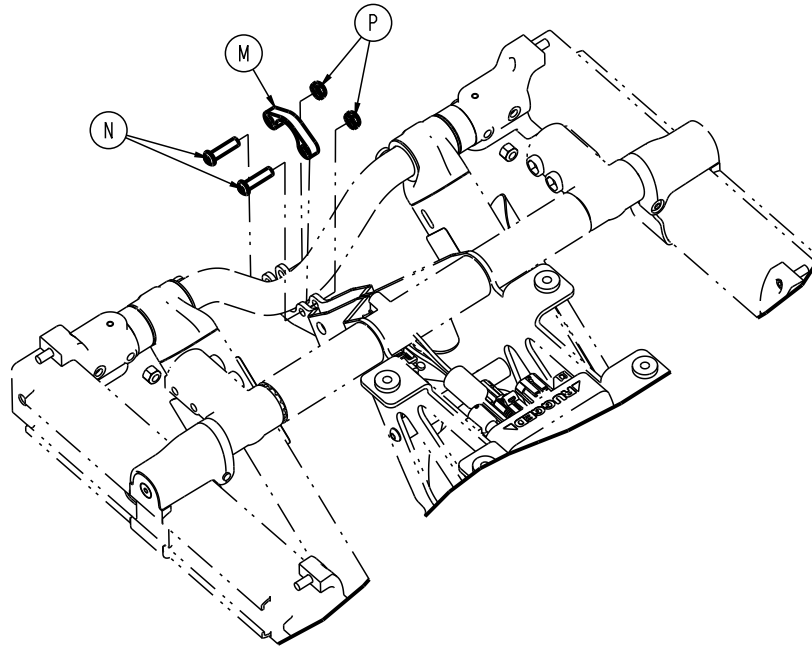
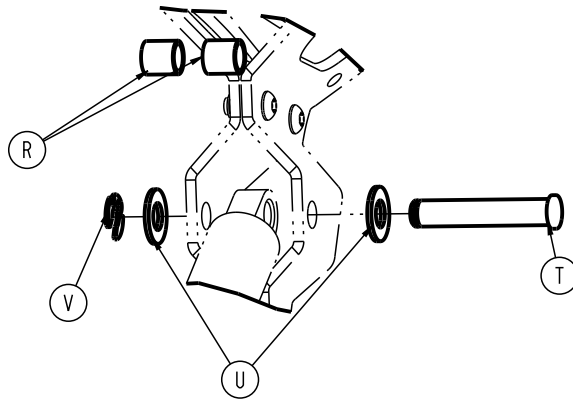


Item	Number	Name	Quantity
A	0021-180-000	Set screw	1
B	0028-076-000	External retaining ring	2
C	0946-035-025	Liner	2
D	6060-032-053	Fowler yoke	1
E	6506-012-001	Fowler extension sleeve	1
F	6506-012-002	Fowler plunger	1

# Antler only head section option

6506-029-000 Rev D (Reference only)

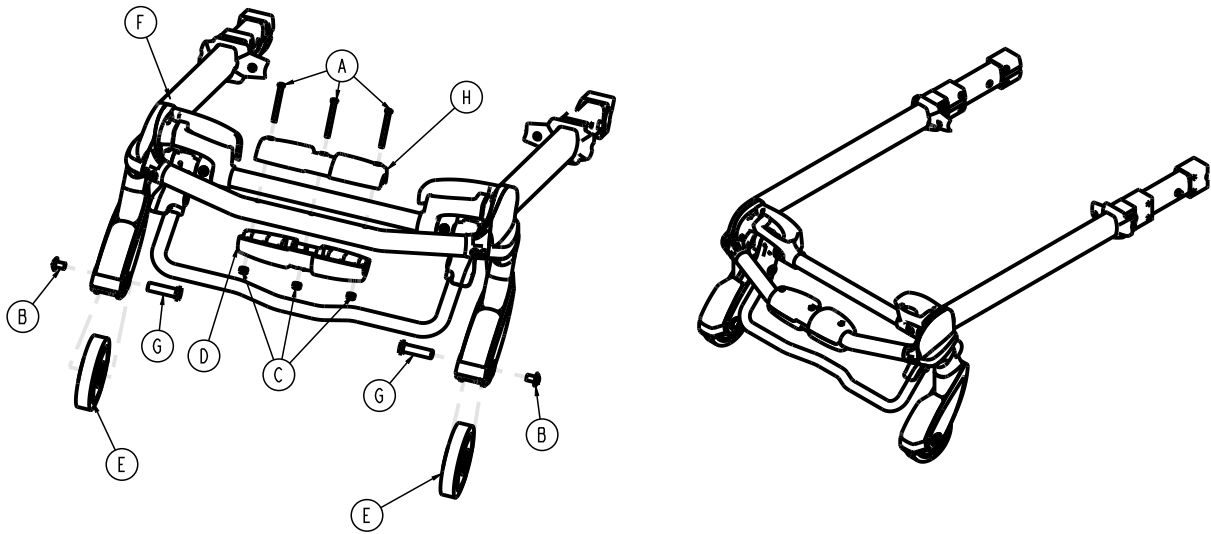




Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	6
B	0004-593-000	Button head cap screw	4
C	0004-595-000	Socket head cap screw	2
D	0004-596-000	Button head cap screw	2
E	0016-028-000	Fiberlock hex nut	2
H	650600020020	<i>Bent, antler only head section - 650600020020 (page 101)</i>	1
J	0007-556-000	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) - 6506-001-020

Rev AA (Reference only)

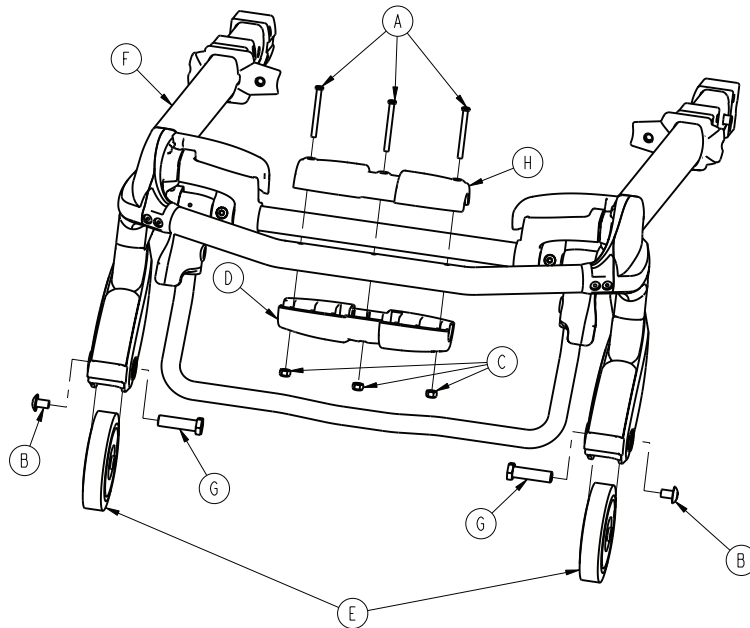


Item	Number	Name	Quantity
A	0004-656-000	Socket head cap screw	3
B	0007-556-000	Truss head machine screw	2
C	0016-002-000	Fiberlock hex nut	3
D	6085-001-174	Oxygen bottle holder, bottom	1
E	6500-001-086	Front wheel	2
F	650600020020	<i>Bent, antler only head section - 650600020020 (page 101)</i>	1
G	6500-002-106	Load wheel fastener	2
H	6500-002-156	Top guide, head end	1



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

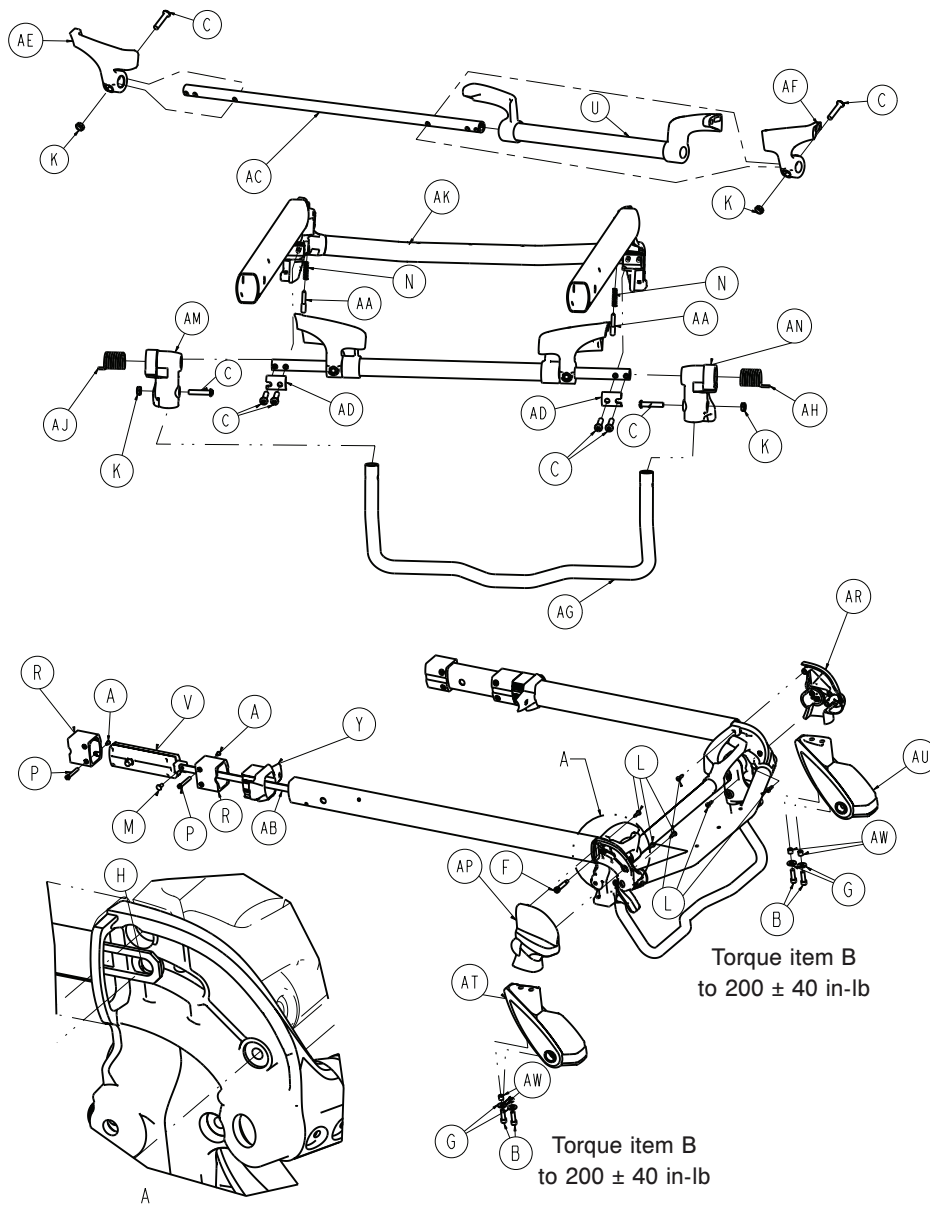
Rev B (Reference only)



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 - 6500-002-020 (page 98)	1
G	6500-002-104	Load wheel pin	2
H	6500-002-156	Top guide, head end	1

# Head section - 6500-002-020

Rev D (Reference only)



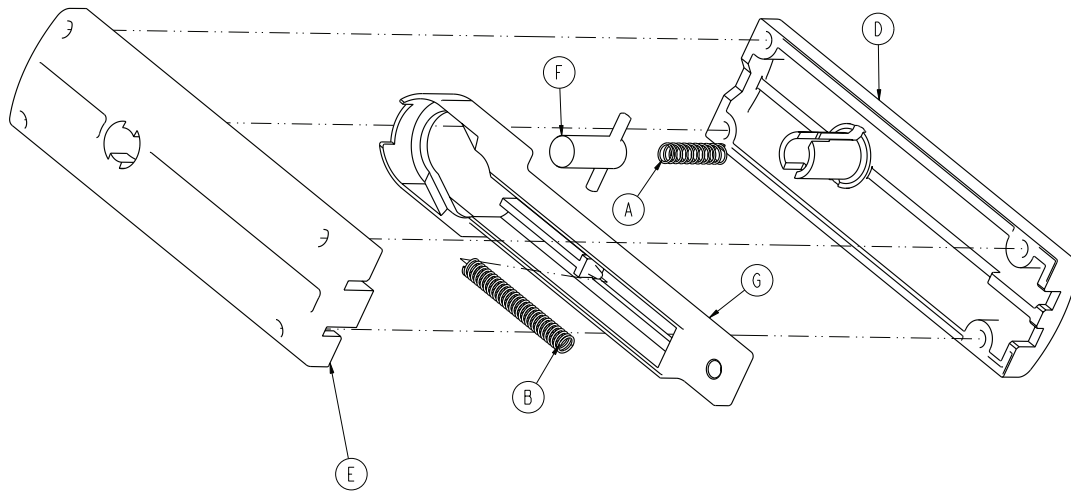
**Note** - Place washer (item H) between the release link and forging.

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

Item	Number	Name	Quantity
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 - 6500-001-2026 (page 100)</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, right	1
AF	6500-001-281	Head section guard, left	1
AG	6500-001-322	Sliding head section safety bar	1
AH	6500-001-325	Safety bar torsion spring, left	1
AJ	6500-001-326	Safety bar torsion spring, right	1
AK	6500-002-025	Telescoping tube assembly	1
AM	6500-002-107	Safety bar pivot, right	1
AN	6500-002-108	Safety bar pivot, left	1
AP	6500-002-109	Load wheel horn cover, left	1
AR	6500-002-110	Load wheel horn cover, right	1
AT	6500-002-120	Load wheel horn, left	1
AU	6500-002-121	Load wheel horn, right	1
AW	6500-002-114	Compression limiter sleeve	4

# Head section lock assembly - 6500-001-026

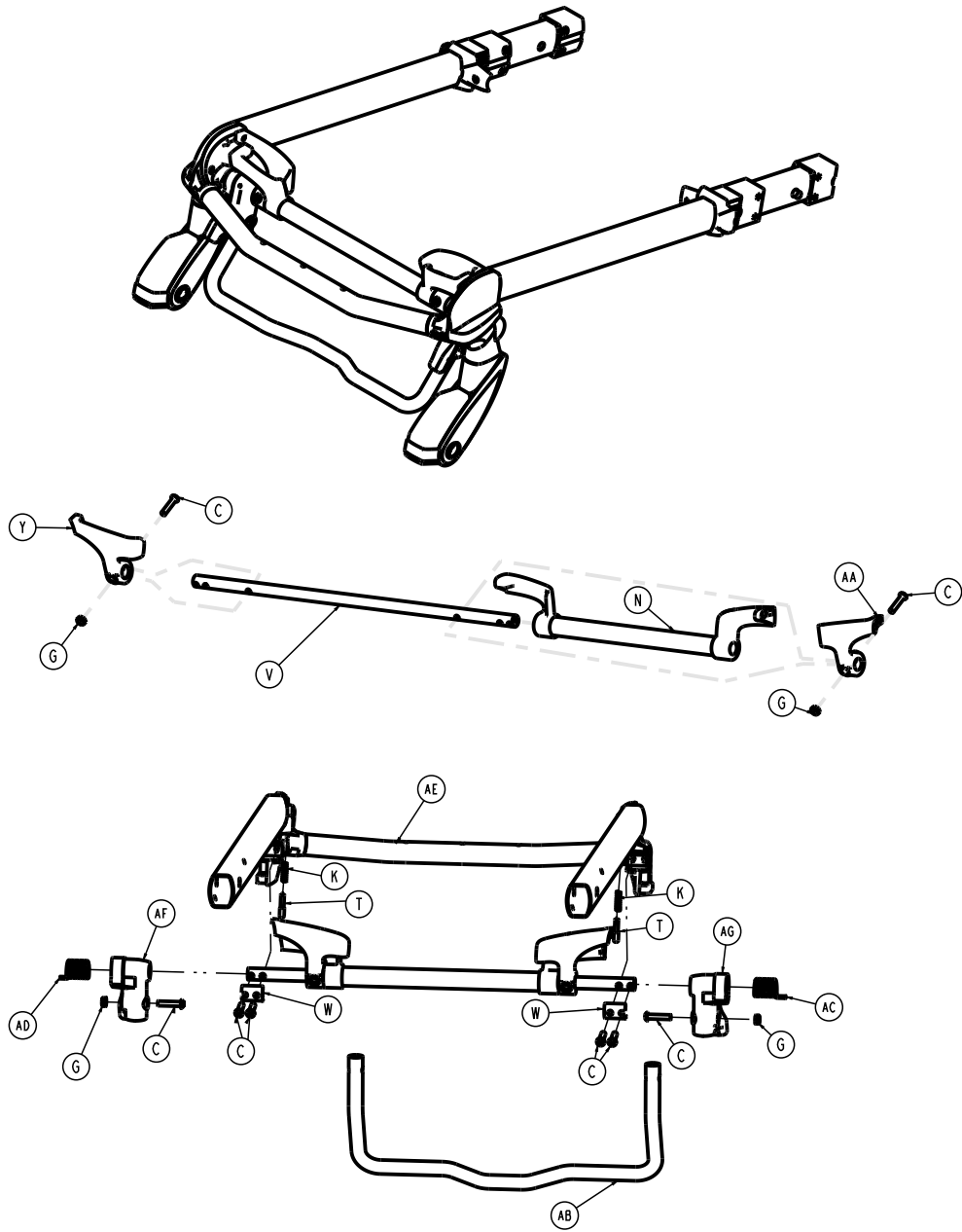
Rev C (Reference only)

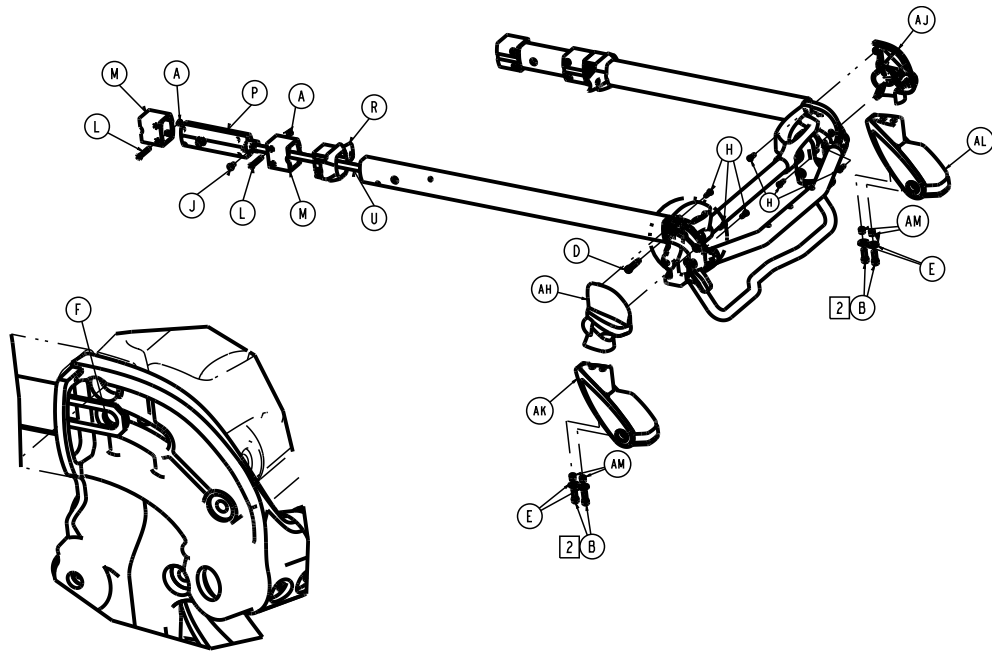


Item	Number	Name	Quantity
A	0038-570-000	Compression spring	1
B	0038-134-000	Compression spring	1
D	6500-001-091	Top latch housing	1
E	6500-001-092	Bottom latch housing	1
F	6500-001-025	Latch assembly	1
G	6500-001-095	Actuation slide	1

# Bent, antler only head section - 650600020020

Rev A (Reference only)



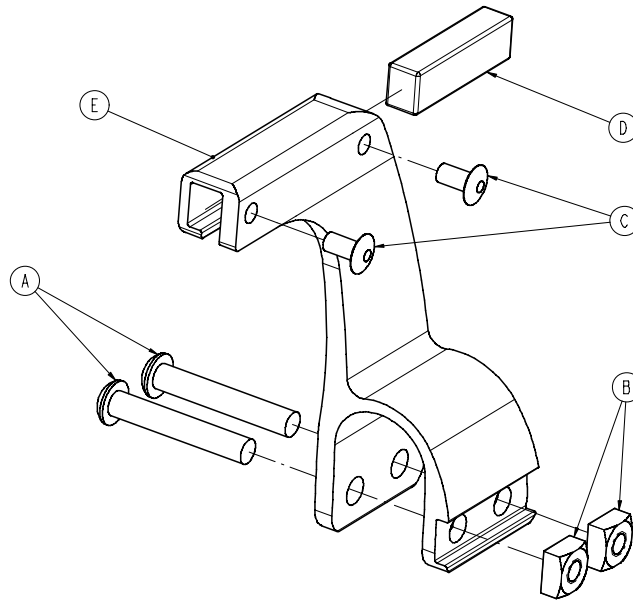


Item	Number	Name	Quantity
A	0004-168-000	Button head cap screw	4
B	0004-591-000	Socket head cap screw	4
C	0004-612-000	Button head cap screw	8
D	0008-030-000	Socket head shoulder screw	2
E	0011-624-000	Washer	4
F	0014-002-000	Washer	2
G	0016-102-000	Nylock hex nut	4
H	0023-162-000	Delta screw	6
J	0025-126-000	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	Head section lock assembly	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, right	1
AA	6500-001-281	Head section guard, left	1
AB	6506-001-322	Bent head section safety bar	1
AC	6500-001-325	Safety bar torsion spring, left	1
AD	6500-001-326	Safety bar torsion spring, right	1
AE	6500-001-025	Telescoping tube assembly	1
AF	6500-001-107	Safety hook pivot, right	1
AG	6500-001-108	Safety hook pivot, left	1
AH	6500-001-109	Load wheel horn cover, left	1

<b>Item</b>	<b>Number</b>	<b>Name</b>	<b>Quantity</b>
AJ	6500-001-110	Load wheel horn cover, right	1
AK	6500-001-120	Load wheel horn, left	1
AL	6500-001-121	Load wheel horn, right	1
AM	6500-001-114	Compression limiter sleeve	4

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

Rev C (Reference only)

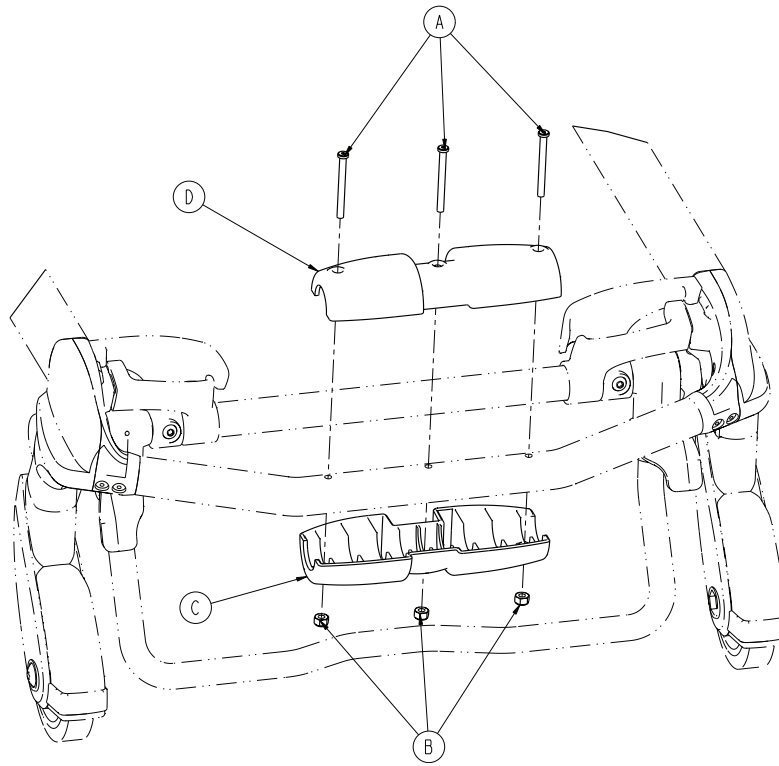


Item	Number	Name	Quantity
A	0004-376-000	Button head cap screw	2
B	0015-016-000	Square nut	2
C	0025-079-000	Dome head rivet	2
D	6500-001-271	Ambulance shut-off magnet	1
E	6500-001-272	Fastener shut-off magnet holder	1



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

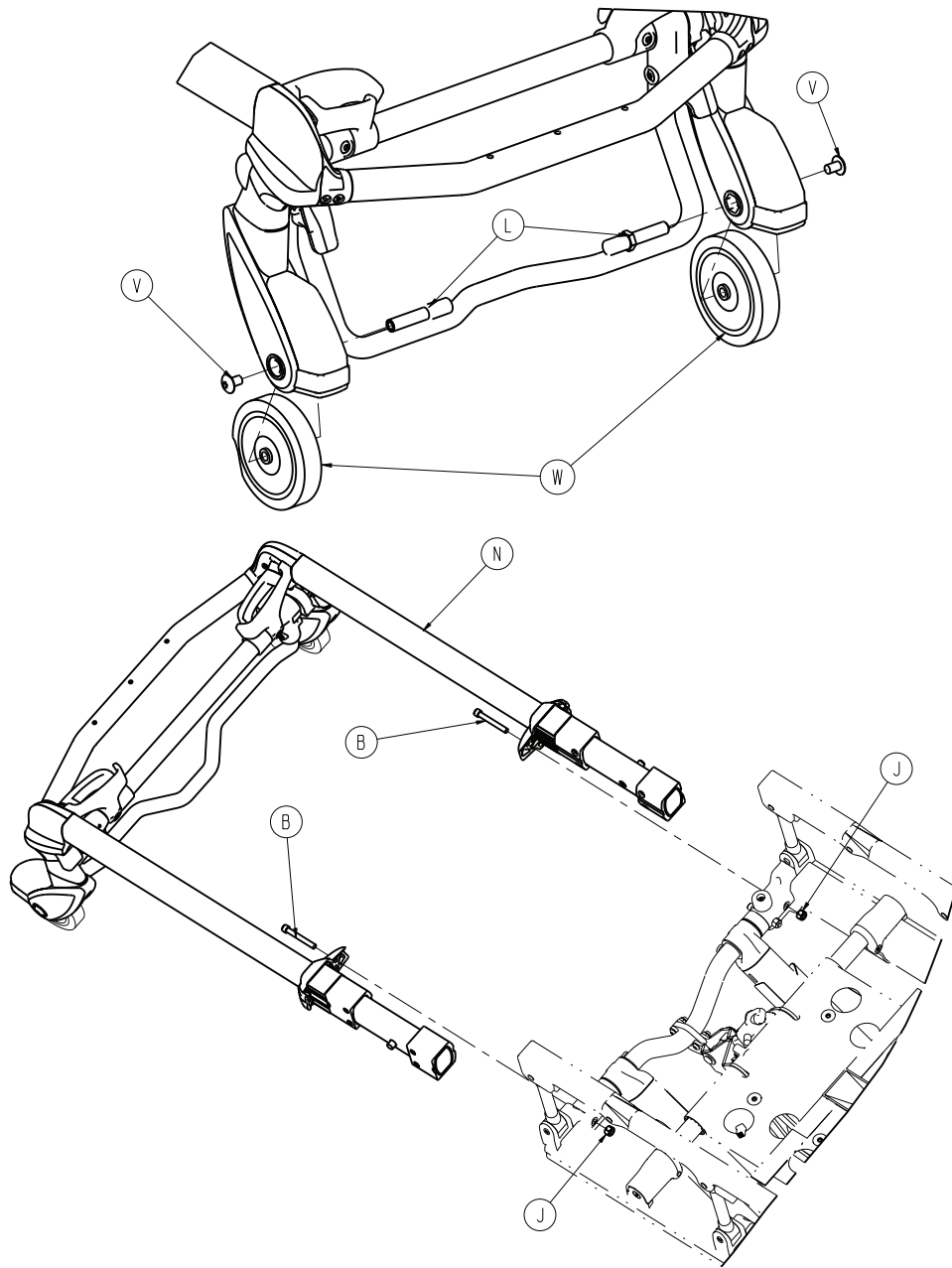
Rev A (Reference only)

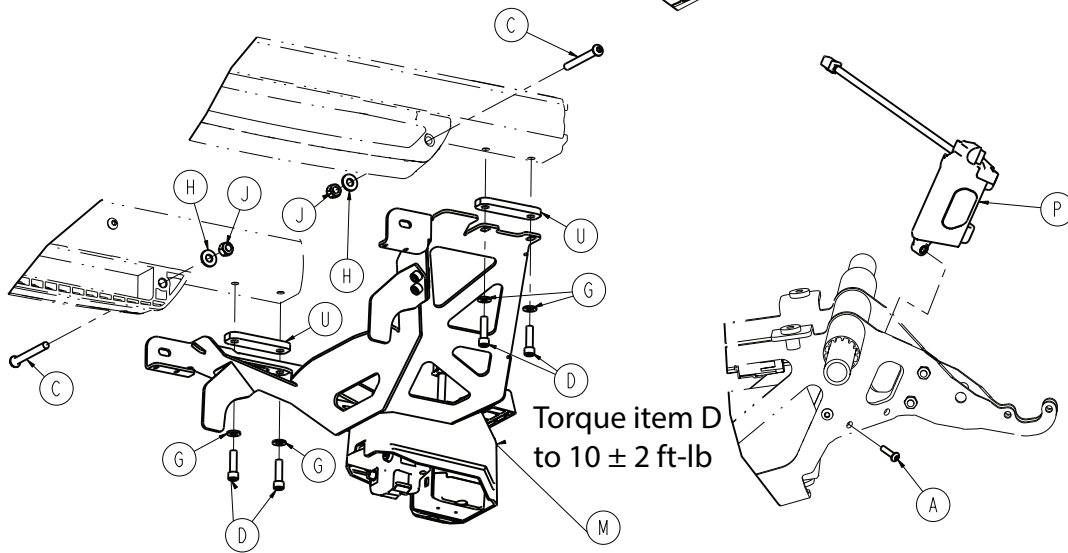
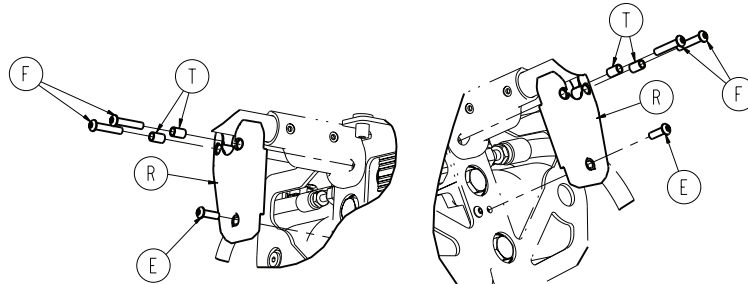
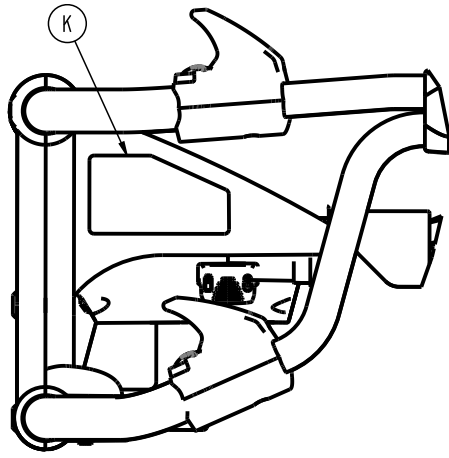


Item	Number	Name	Quantity
A	0004-656-000	Socket head cap screw	3
B	0016-002-000	Fiberlock hex nut	3
C	6085-001-174	Oxygen bottle holder, bottom	1
D	6500-002-156	Top guide, head end	1

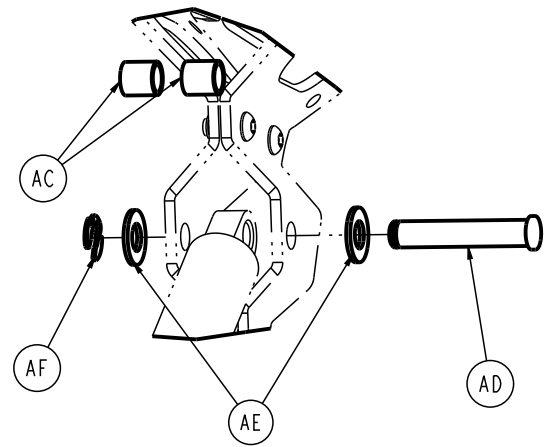
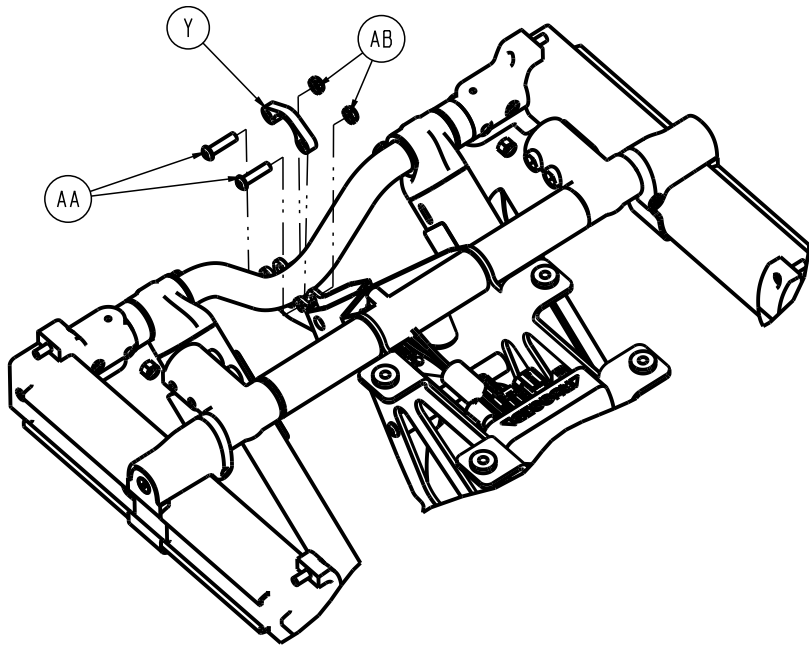
# Power-LOAD compatible option - 6506-127-000

Rev AA (Reference only)





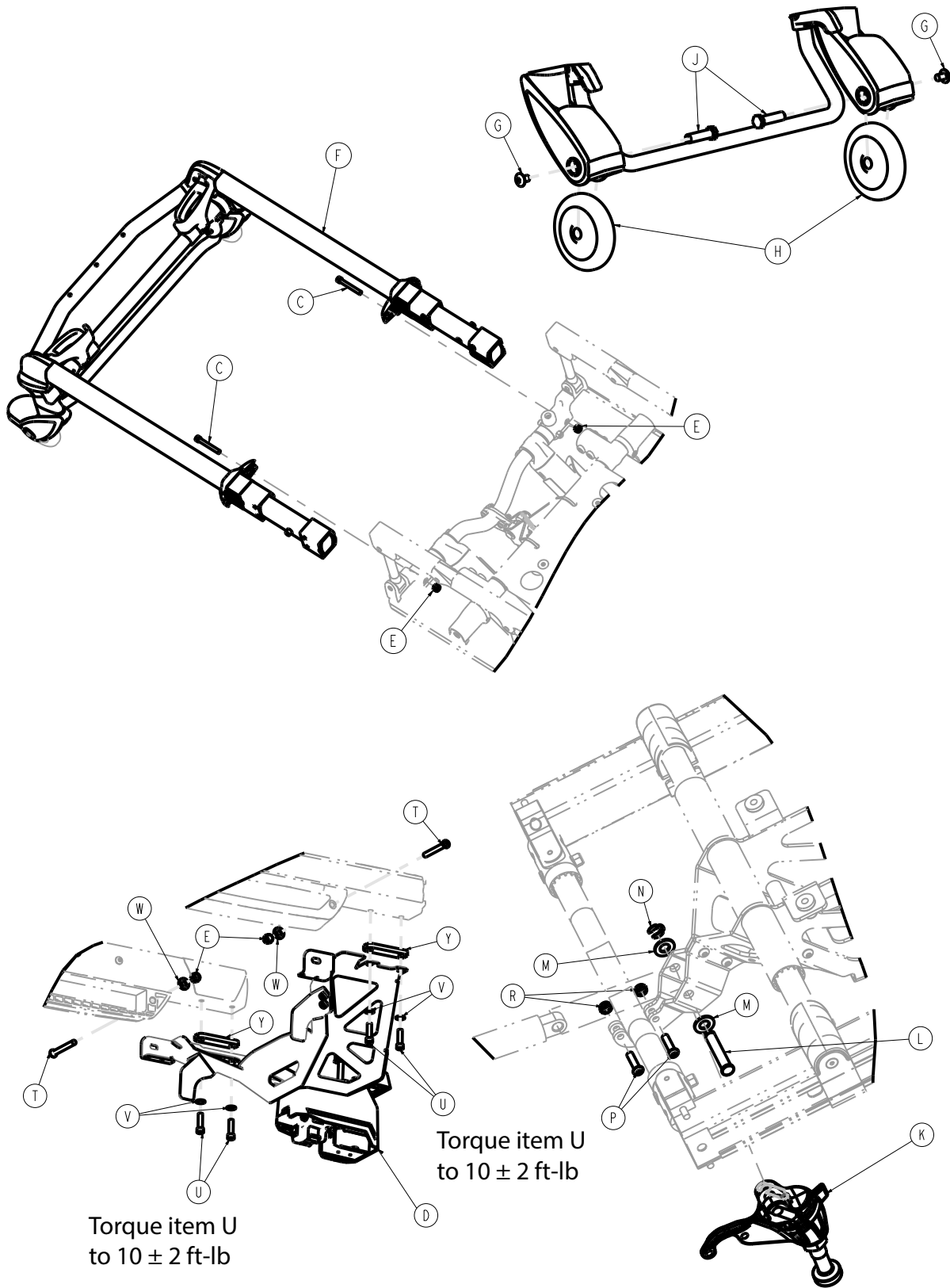
Torque item D to  $10 \pm 2$  ft-lb

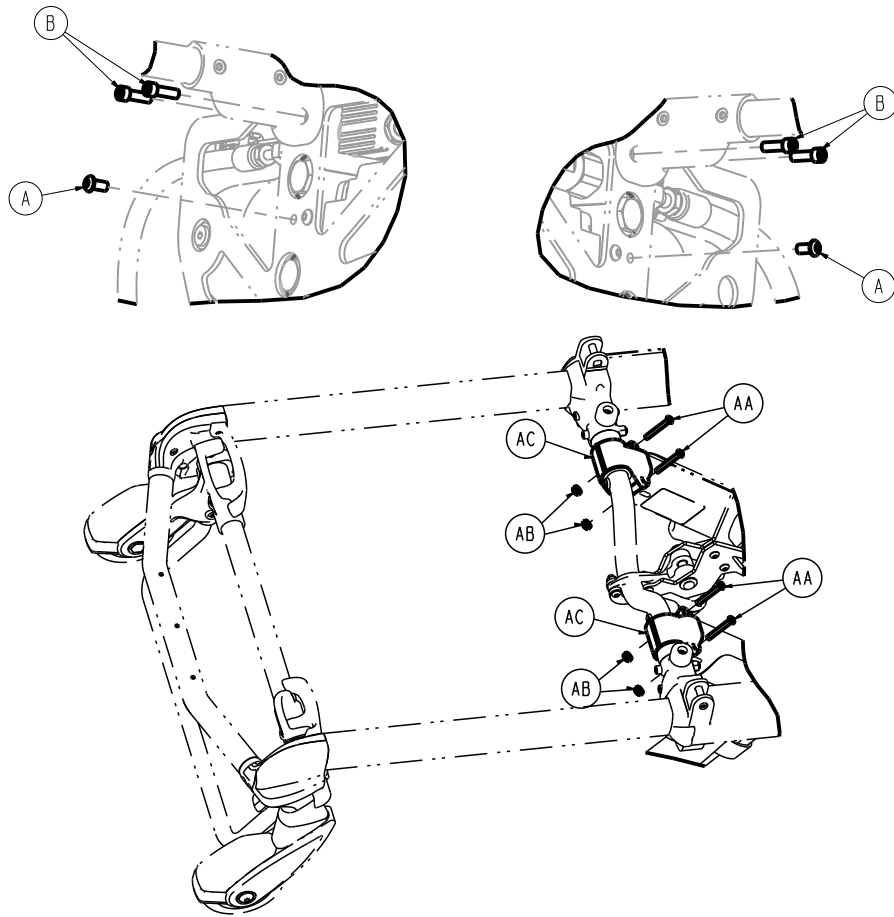


Item	Number	Name	Quantity
A	0004-614-000	Button head cap screw	1
B	0004-595-000	Socket head cap screw	2
C	0004-387-000	Button head cap screw	2
D	0004-661-000	Socket head cap screw	4
E	0004-593-000	Button head cap screw	2
F	0004-395-000	Button head cap screw	4
G	0011-065-000	Washer	4
H	0011-077-000	Washer	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 option) (page 115)	1
N	6500-002-020	Head section - 6500-002-020 (page 98)	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)



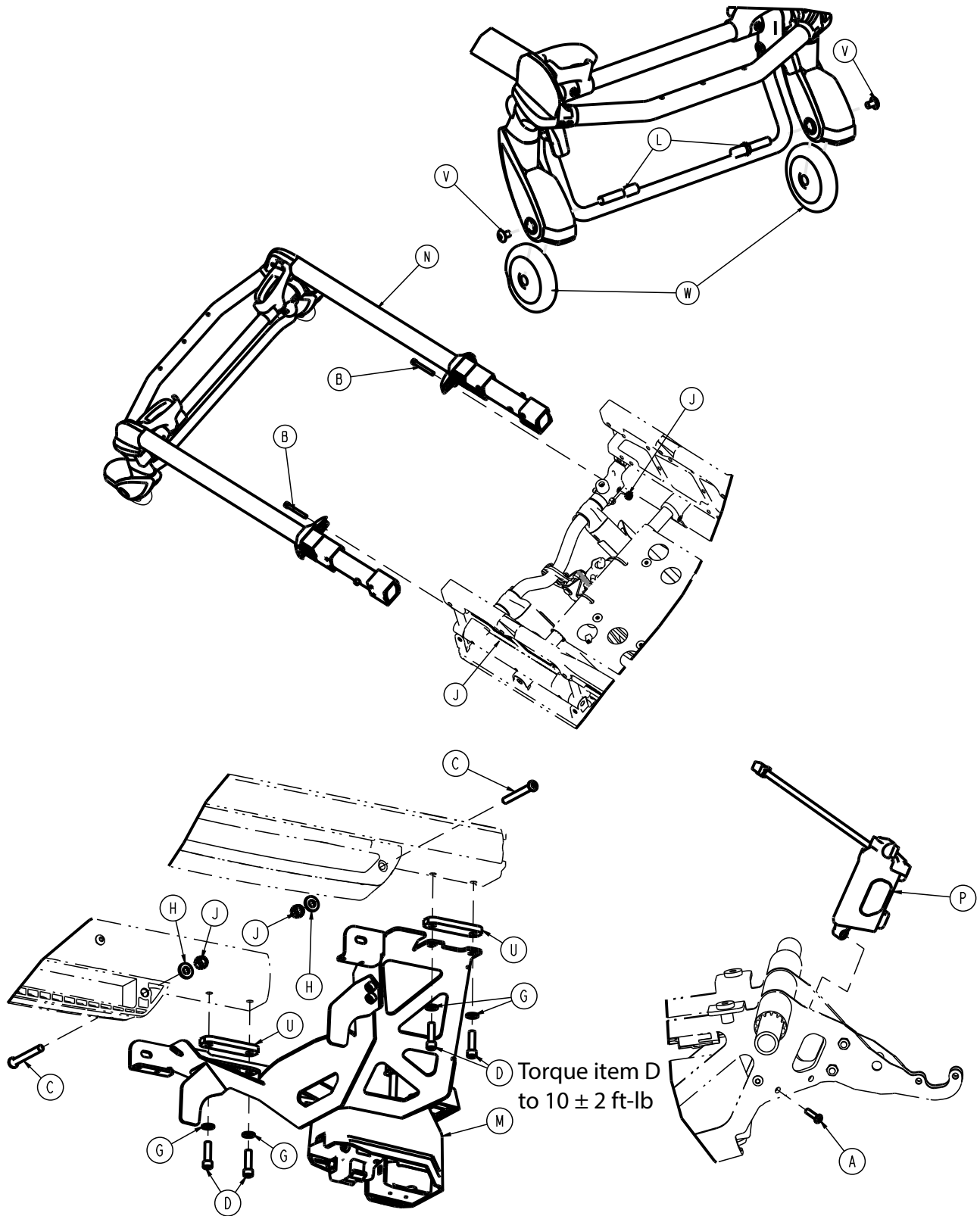


Item	Number	Name	Quantity
A	0004-589-000	Button head cap screw	2
B	0004-591-000	Socket head cap screw	4
C	0004-595-000	Socket head cap screw	2
D	6500-002-013	Foot end fastener assembly	1
E	0016-028-000	Fiberlock hex nut	4
F	6500-002-020	Head section	1
G	0007-556-000	Truss head machine screw	2
H	6500-101-086	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

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

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

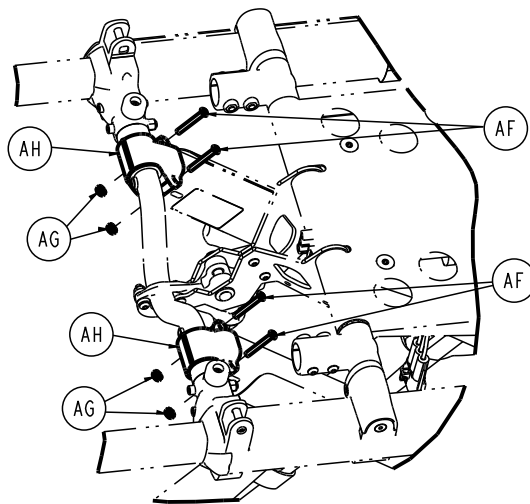
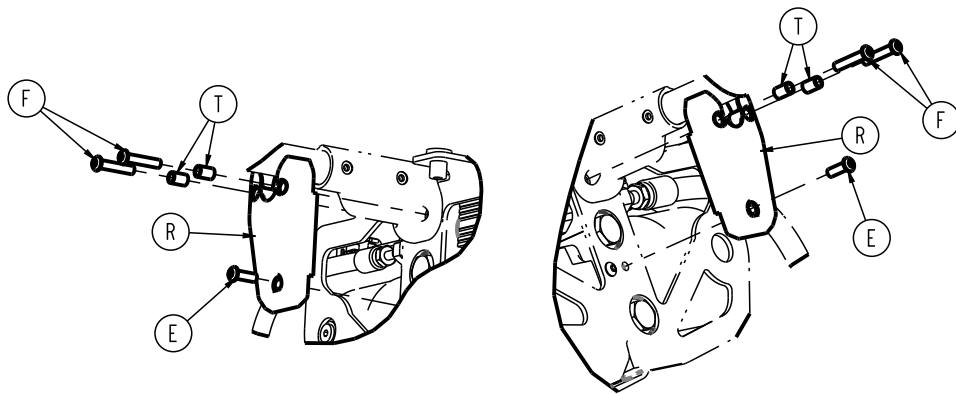
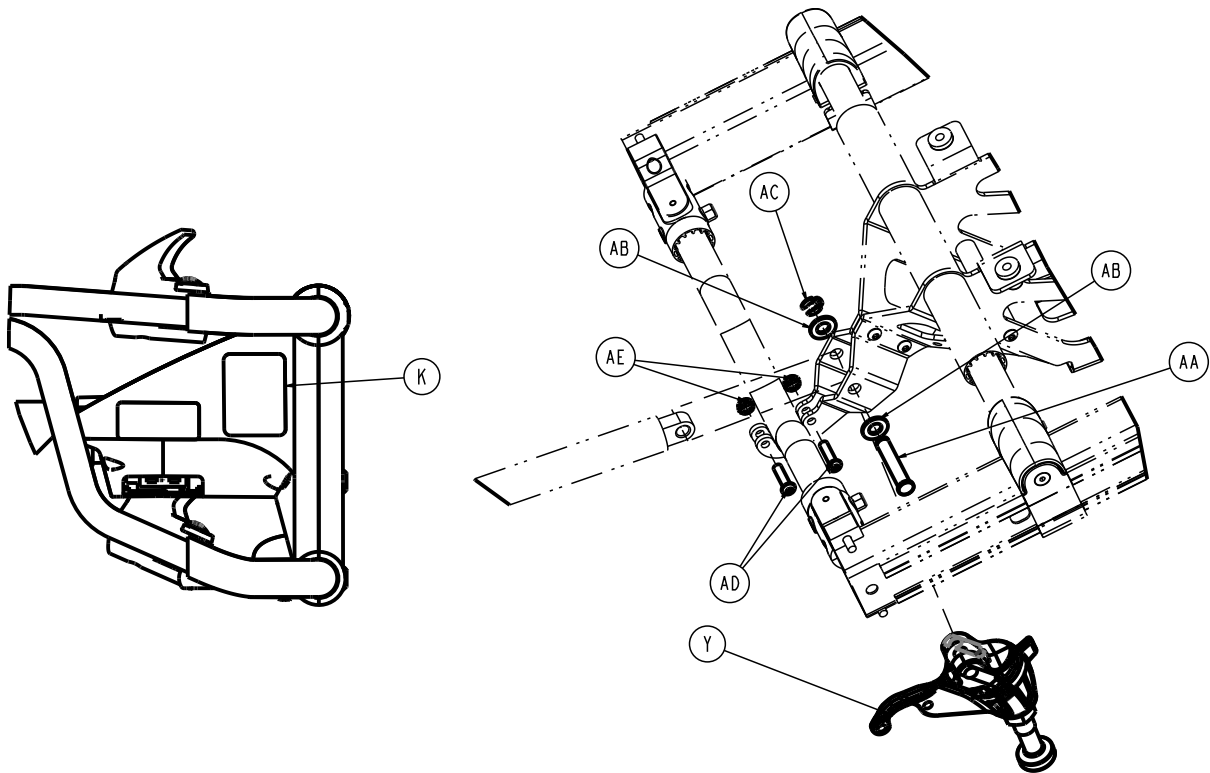
Rev AA (Reference only)



Torque item D to  $10 \pm 2$  ft-lb

Torque item D to  $10 \pm 2$  ft-lb



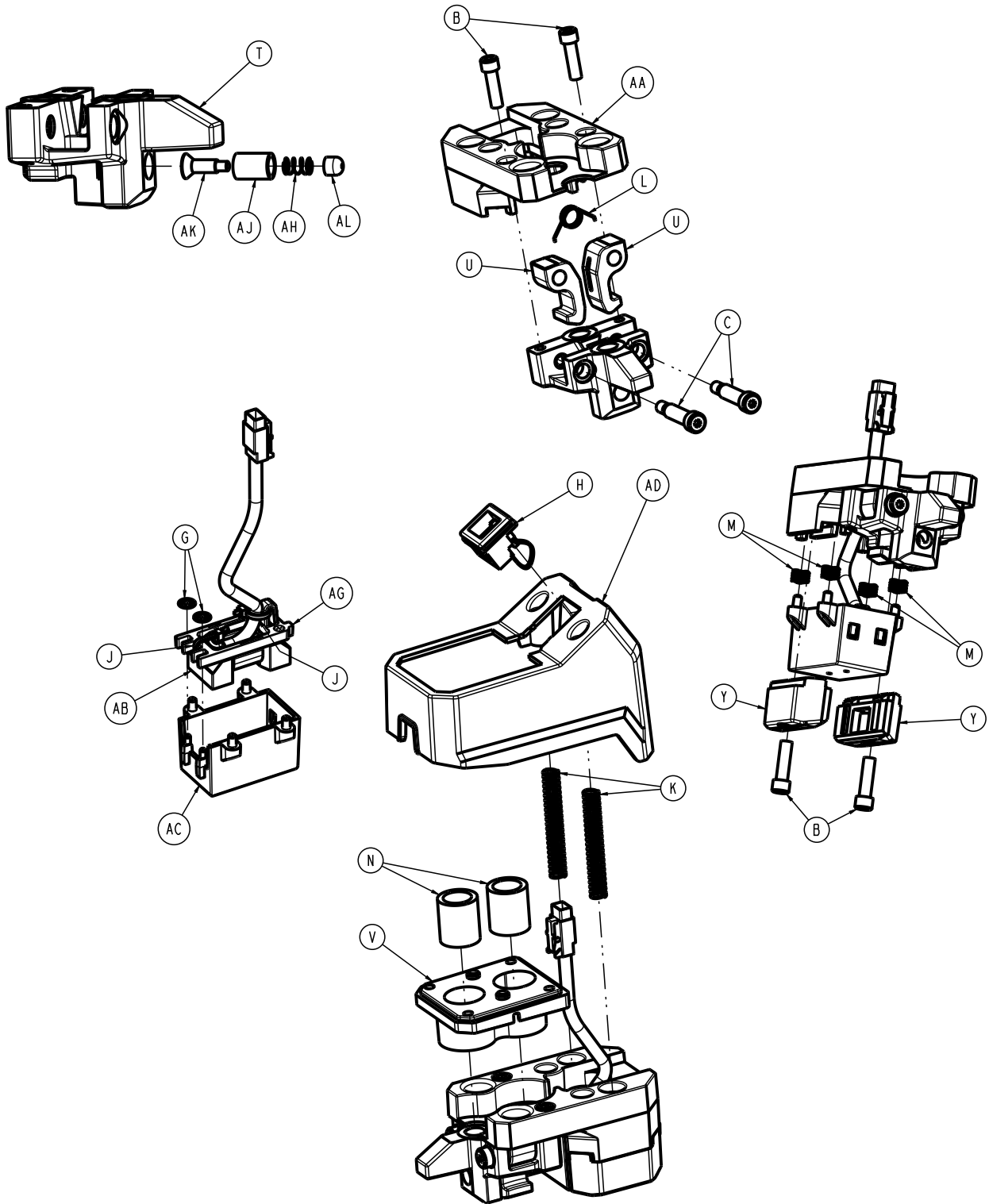


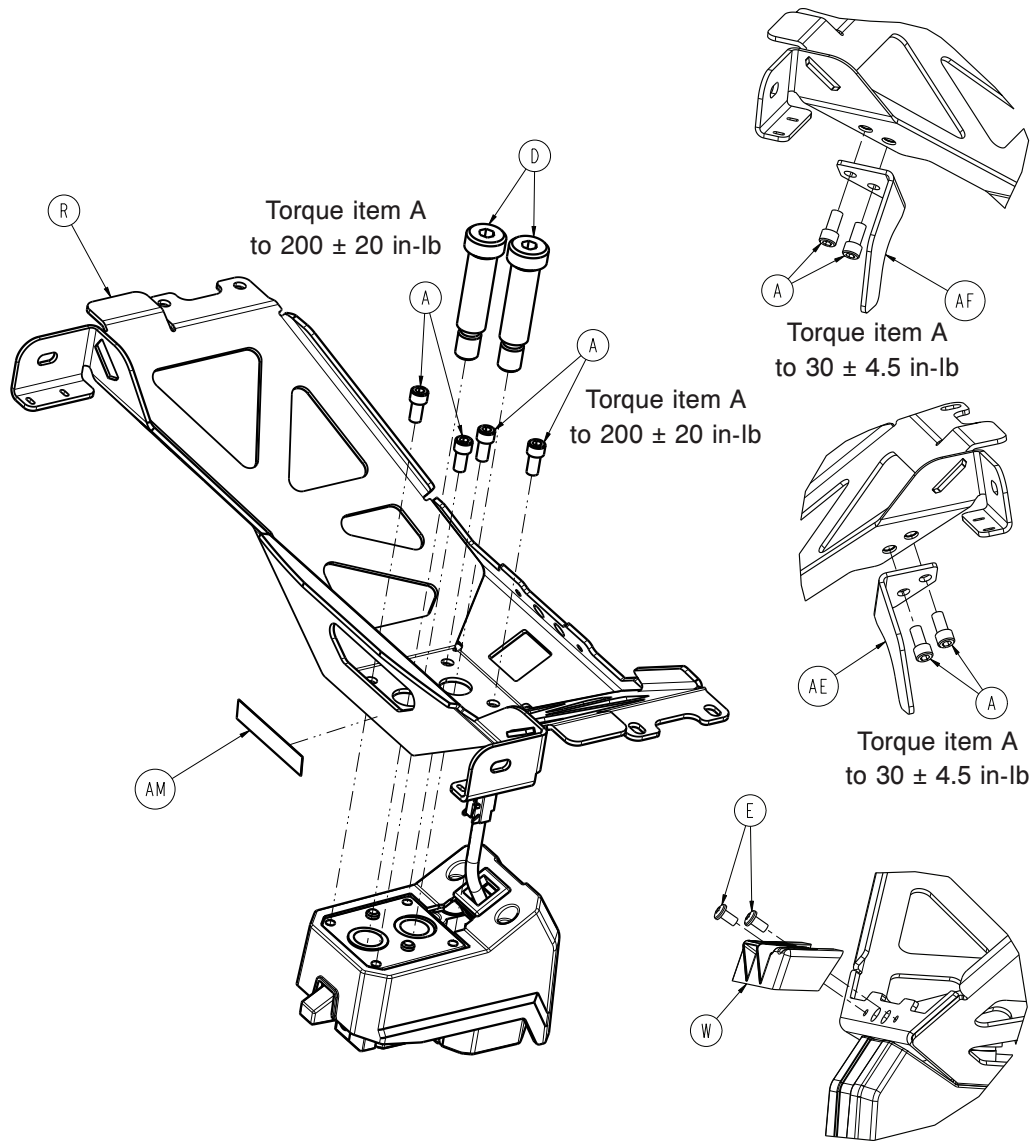
Item	Number	Name	Quantity
A	0004-614-000	Button head cap screw	1
B	0004-595-000	Socket head cap screw	2

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	Foot end fastener assembly	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 option)

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

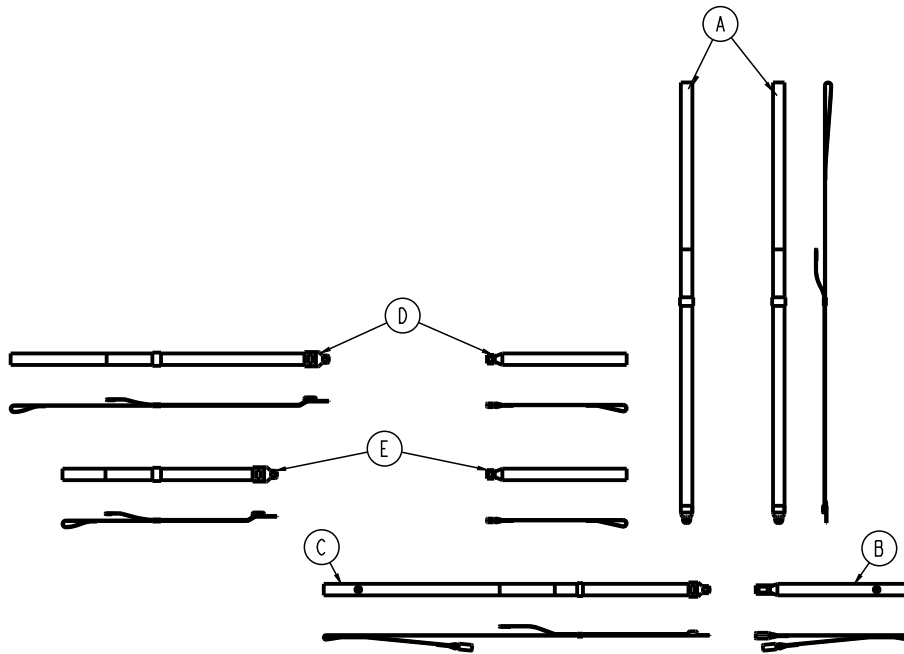
Item	Number	Name	Quantity
W	6500-002-119	Foot end fastener spacer	1
Y	6500-002-122	Foot end fastener wear pad	2
AA	650001020130	Floating plate, machined	1
AB	6500-002-133	Secondary coil	1
AC	6500-002-135	Foot end fastener coil holder	1
AD	6500-002-136	Foot end fastener housing	1
AE	6500-002-146	Foot end fastener hook, right	1
AF	6500-002-147	Foot end fastener hook, 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 - 650600030010

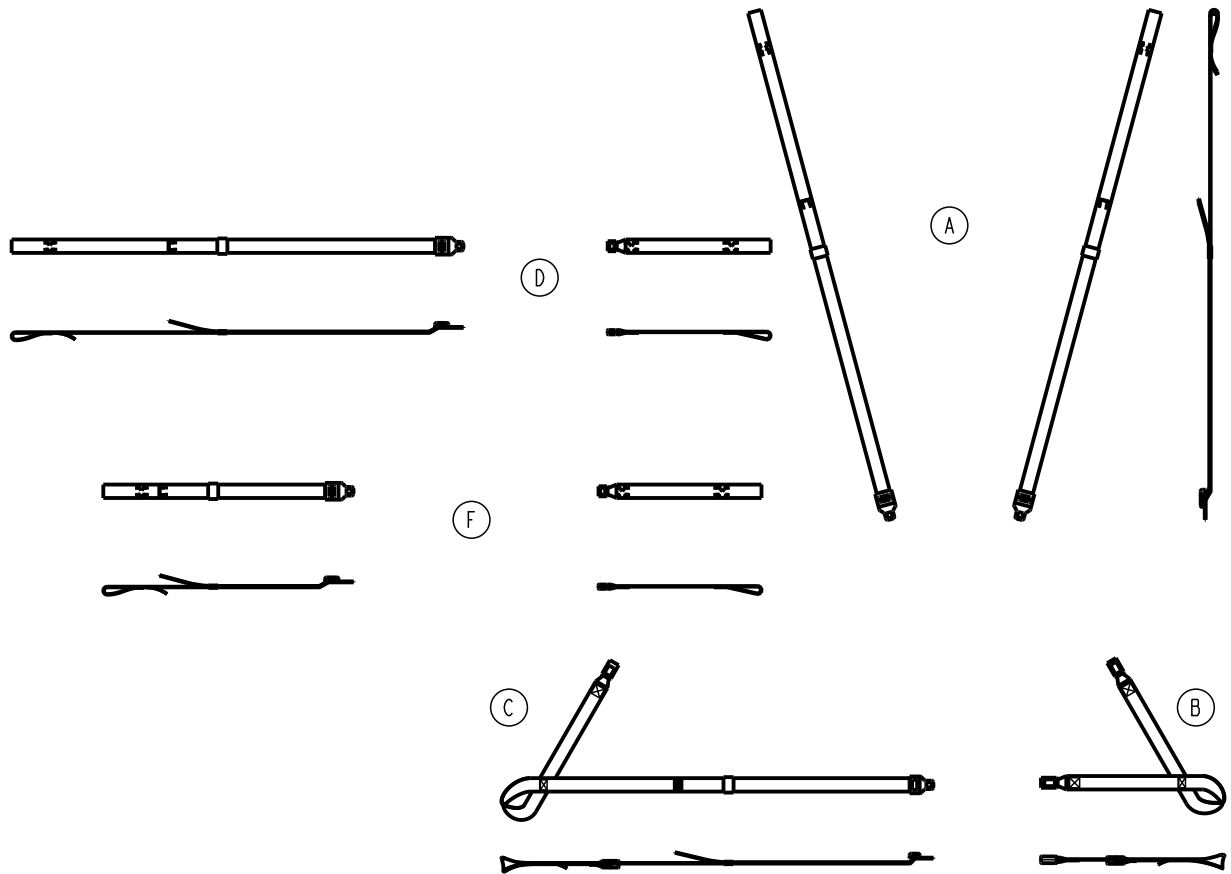
Rev AC (Reference only)



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 - 6500-001-430

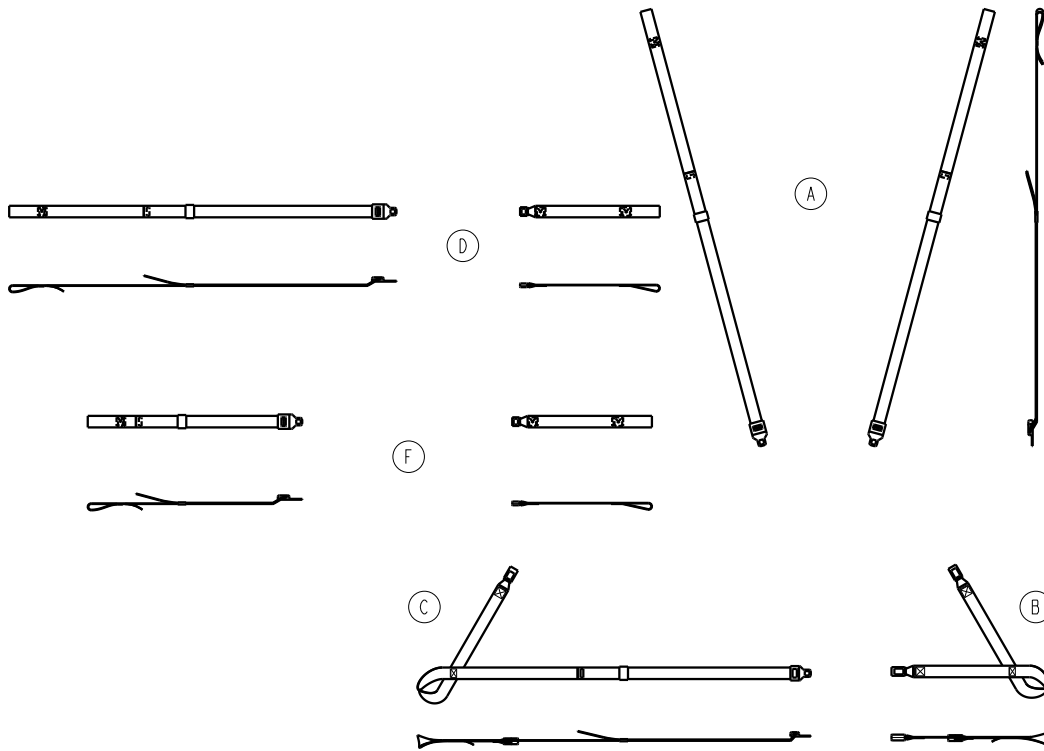
Rev G (Reference only)



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, cobalt blue - 6500-001-431

Rev B (Reference only)

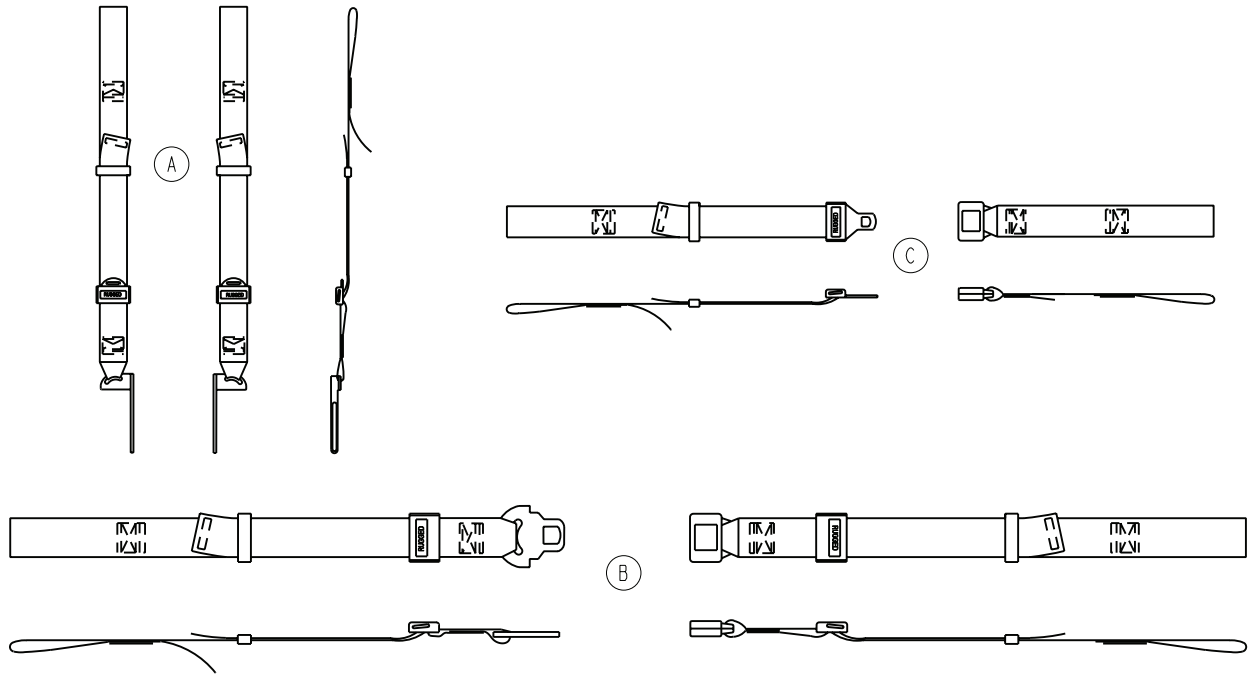


Item	Number	Name	Quantity
A	6500-001-411	Shoulder restraint, cobalt blue	2
B	6500-001-412	X-double buckle strap, cobalt blue	1
C	6500-001-413	X-buckle and tongue strap, cobalt blue	1
D	6500-001-414	Thigh restraint, cobalt blue	1
F	6500-001-415	Ankle restraint, cobalt blue	1



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

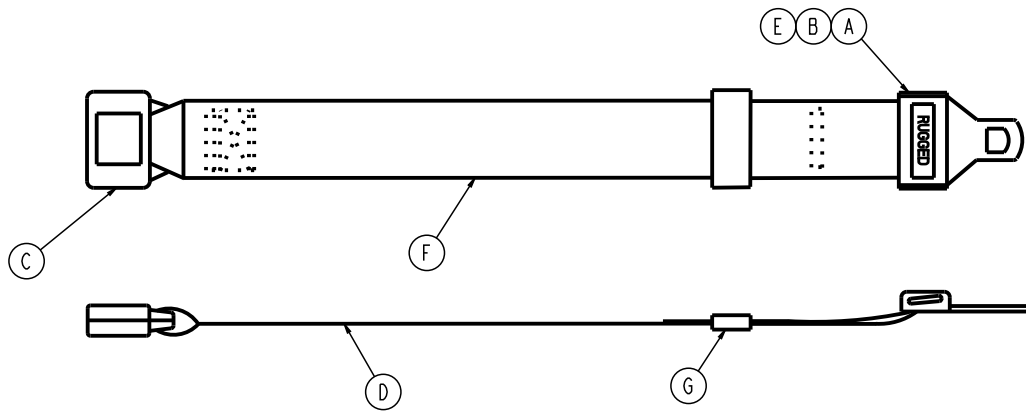
Rev G (Reference only)



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 - 6082-160-050

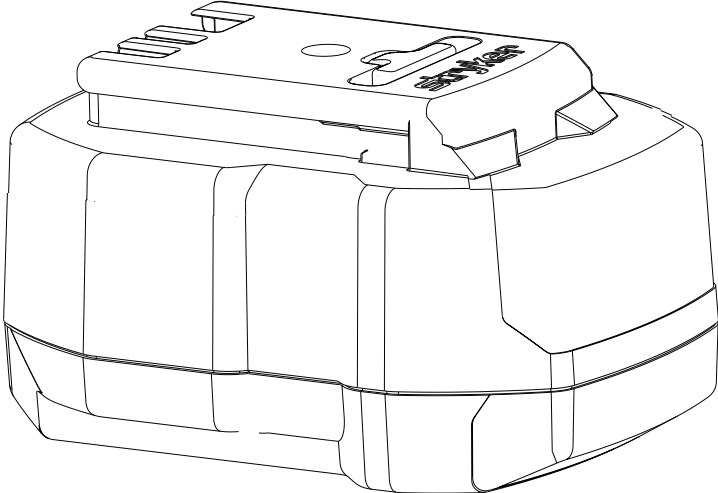
Rev C (Reference only)



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, <b>RUGGED</b>	1
F		Belt, 2" wide, black	
G		Belt retainer	

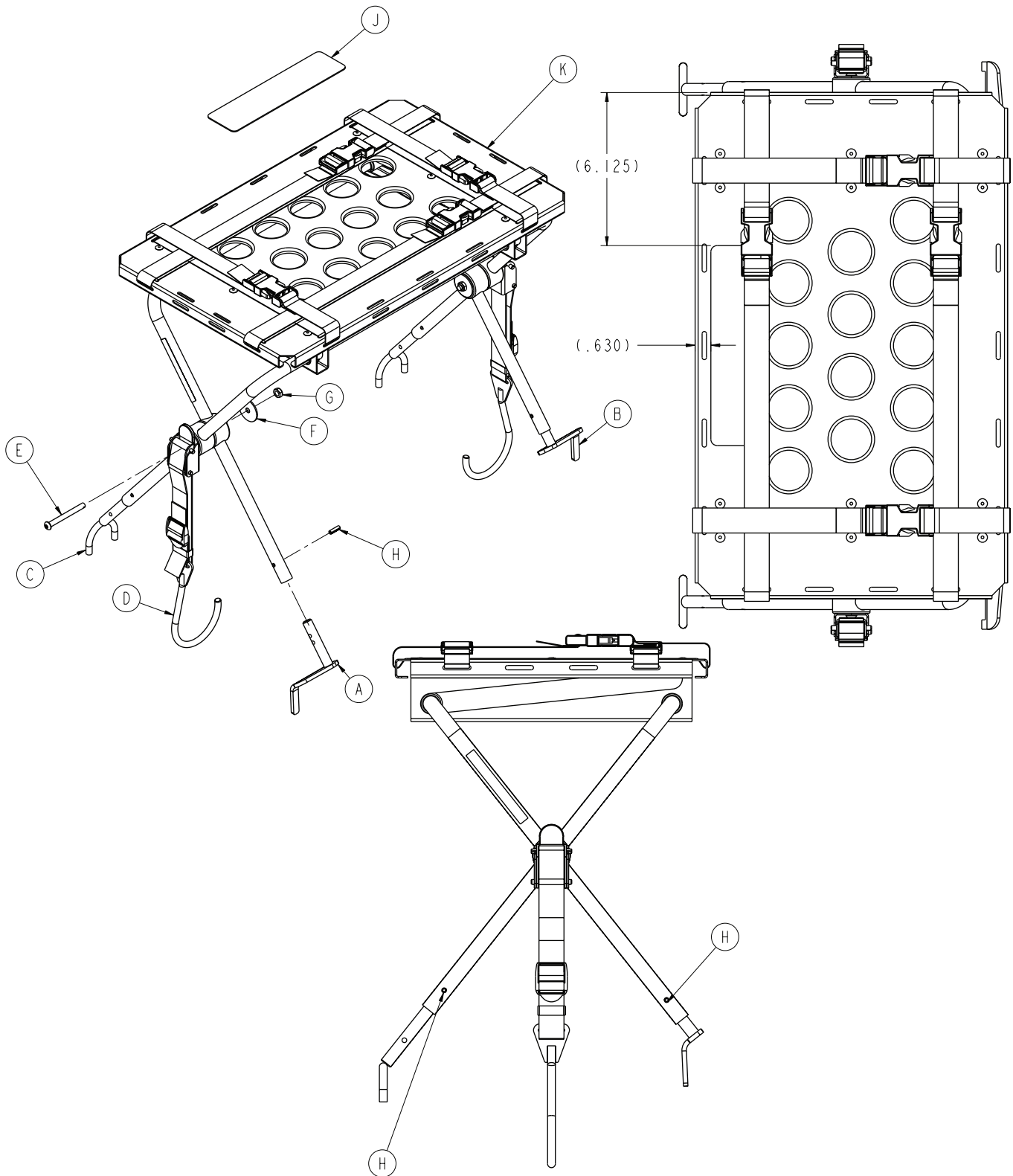
# Battery pack, SMRT - 6500-033-000

6500-101-010 Rev AC (Reference only)



# Defibrillator platform - 6506-170-000

6500-101-046 Rev A (Reference only)

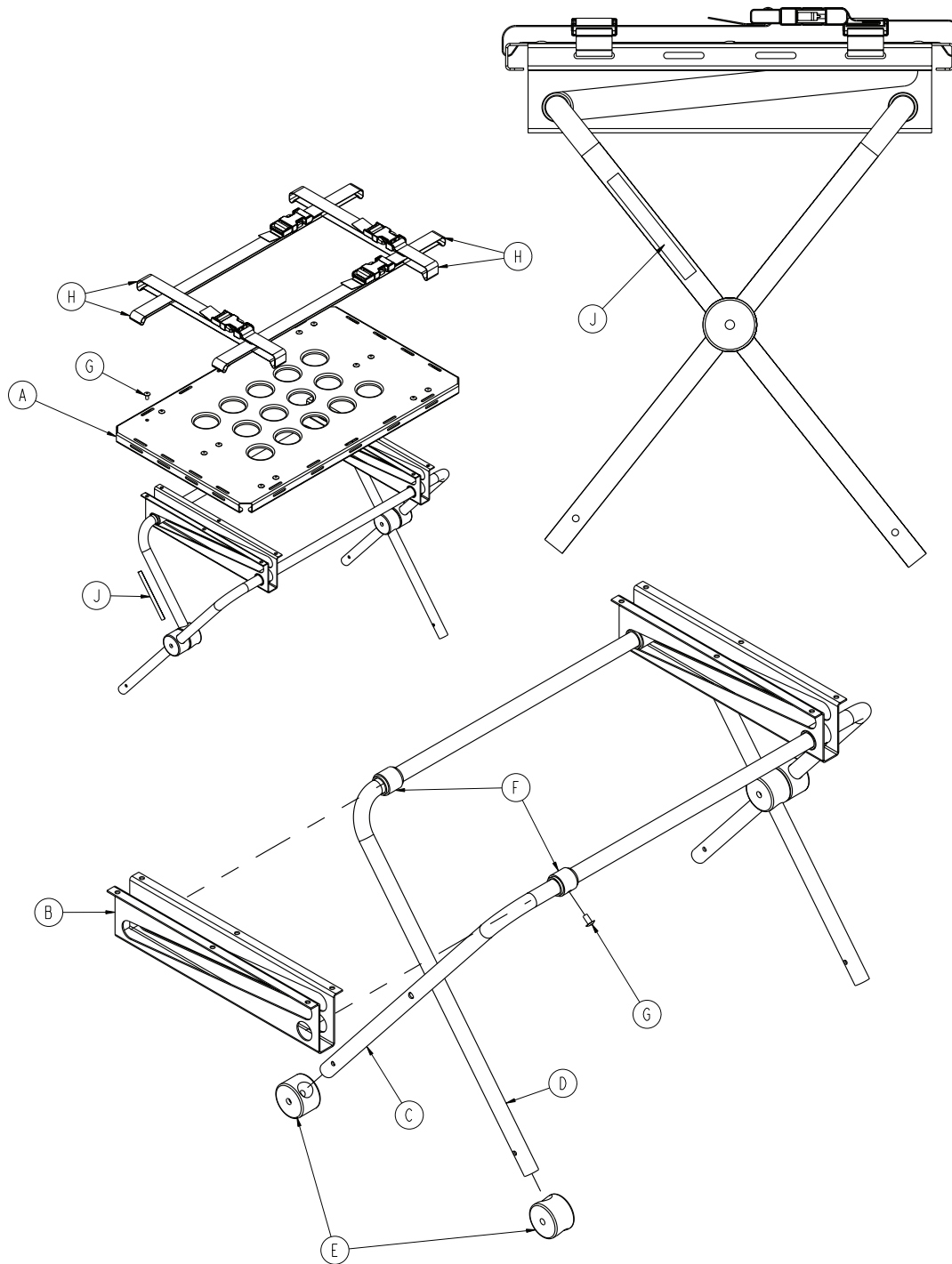


Item	Number	Name	Quantity
A	6100-170-050	Head end bracket weldment, left	1
B	6100-170-051	Head end bracket weldment, right	1

Item	Number	Name	Quantity
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 126)</i>	1

# Defibrillator platform common components

6082-170-020 Rev B (Reference only)

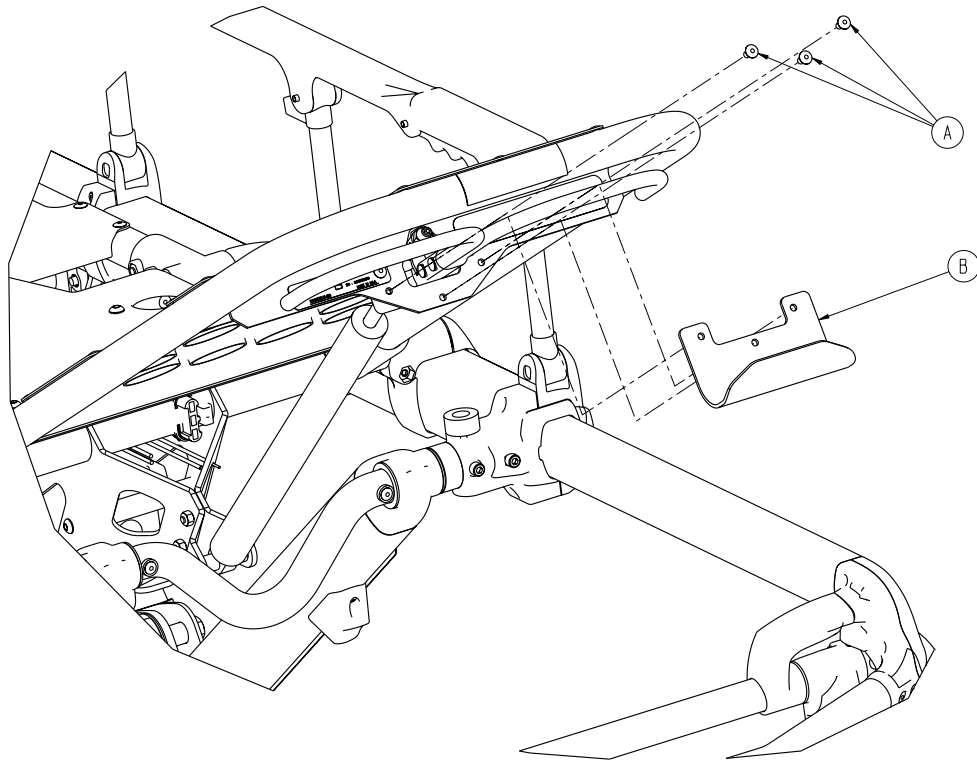


Item	Number	Name	Quantity
A	6080-170-011	Top panel	1
B	6080-170-012	Leg support	2
C	6080-170-013	Stationary defibrillator leg	1
D	6080-170-014	Sliding defibrillator leg	1
E	6080-170-015	Support pivot leg	4
F	6080-170-016	Leg collar	4

<b>Item</b>	<b>Number</b>	<b>Name</b>	<b>Quantity</b>
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)

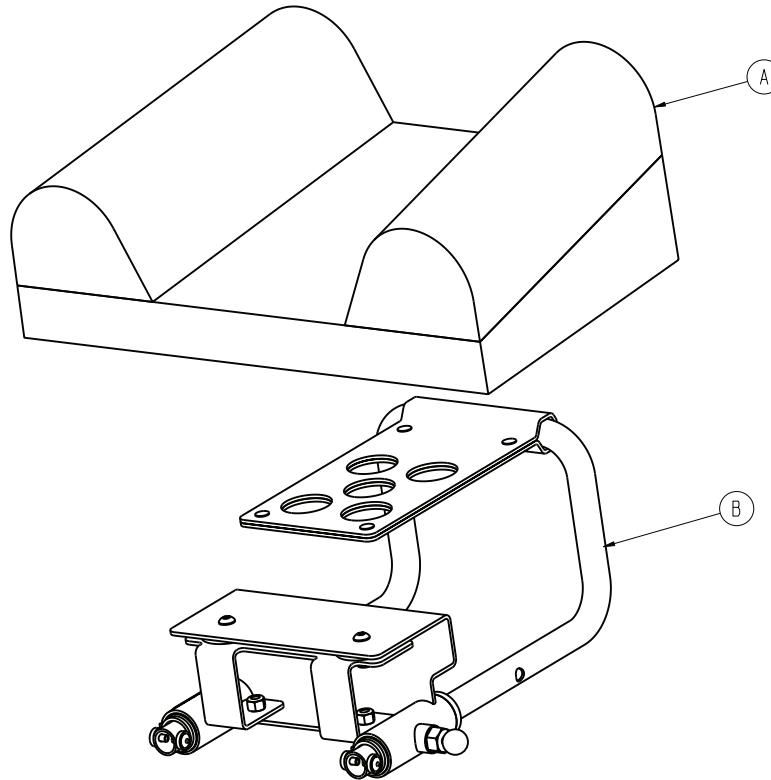


Item	Number	Name	Quantity
A	0025-079-000	Dome head rivet	3
B	6500-001-237	Equipment hook	1



# Head extension option - 6100-044-000

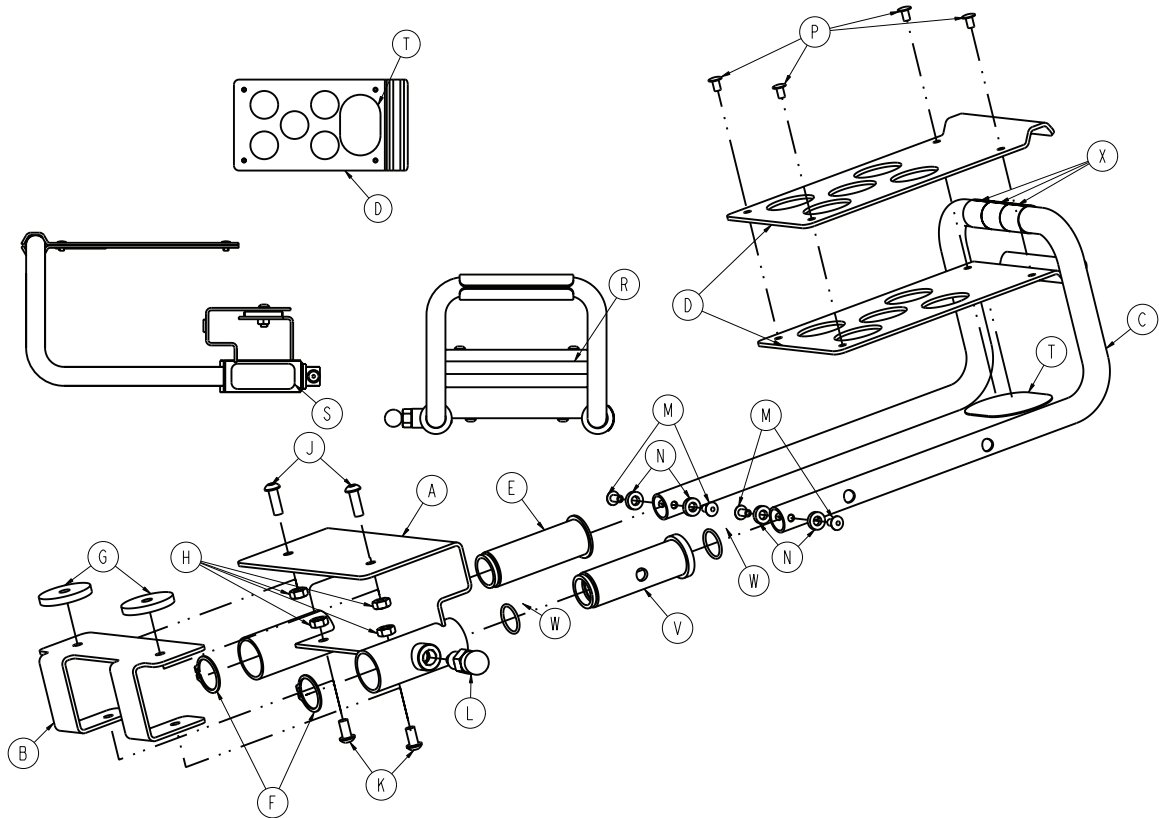
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-041-030	<i>Pillow - 6100-045-000 (page 132)</i>	1
B	6100-044-012	<i>Head extension assembly (page 130)</i>	1

# Head extension assembly

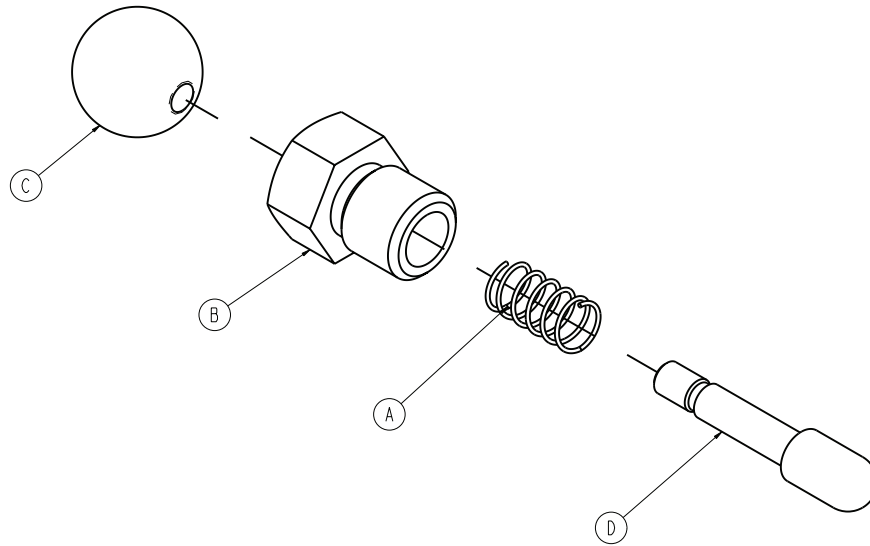
6100-044-012 Rev F (Reference only)



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) <b>RUGGED</b>	1
S	6100-090-013	Label, specification	1
T	6100-044-013	<b>Velcro®</b> 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

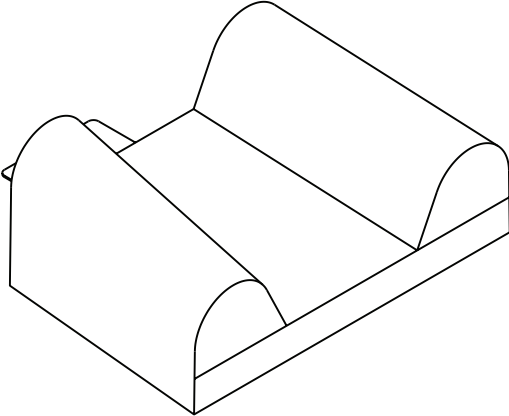
6372-010-016 Rev A (Reference only)



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

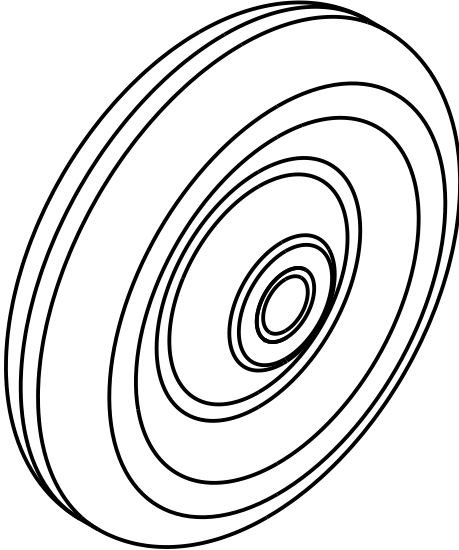
# Pillow - 6100-045-000

6100-041-030 Rev AA (Reference only)



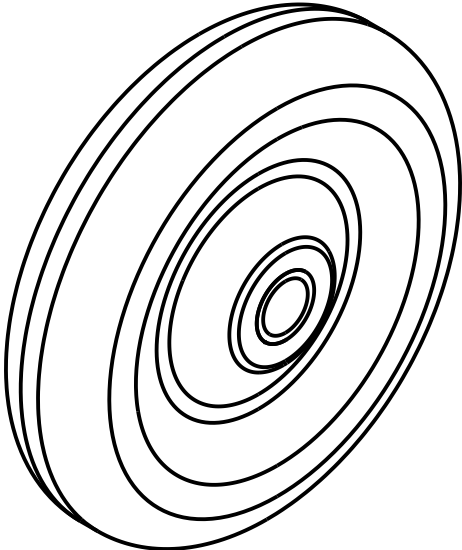
**Load wheel, hard - 6500-101-086**

Rev A (Reference only)



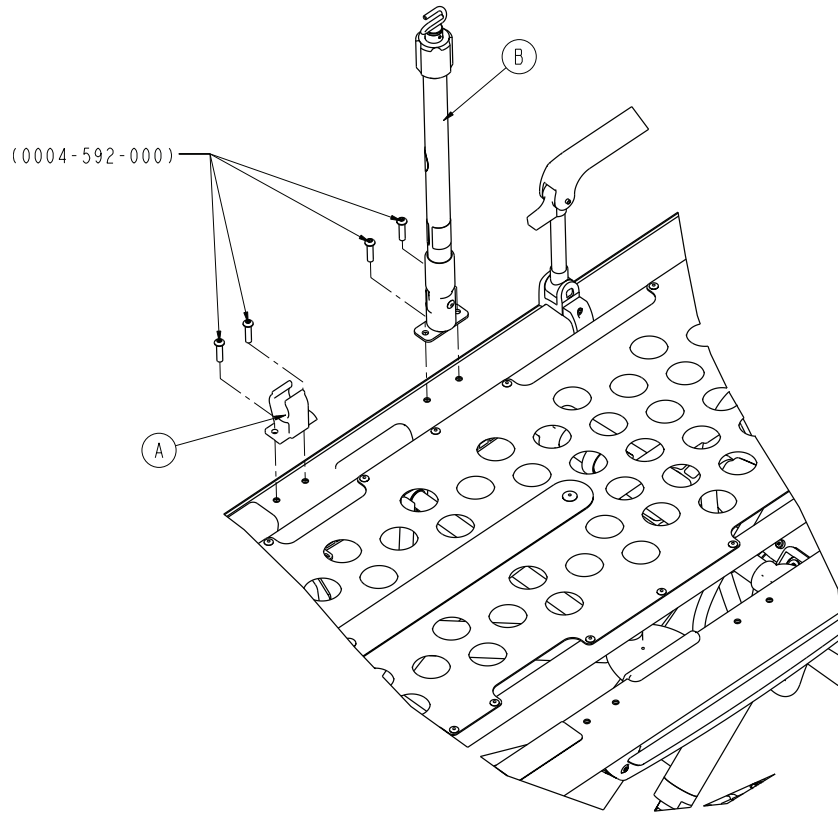
**Wheel, front - 6500-001-086**

Rev A (Reference only)



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

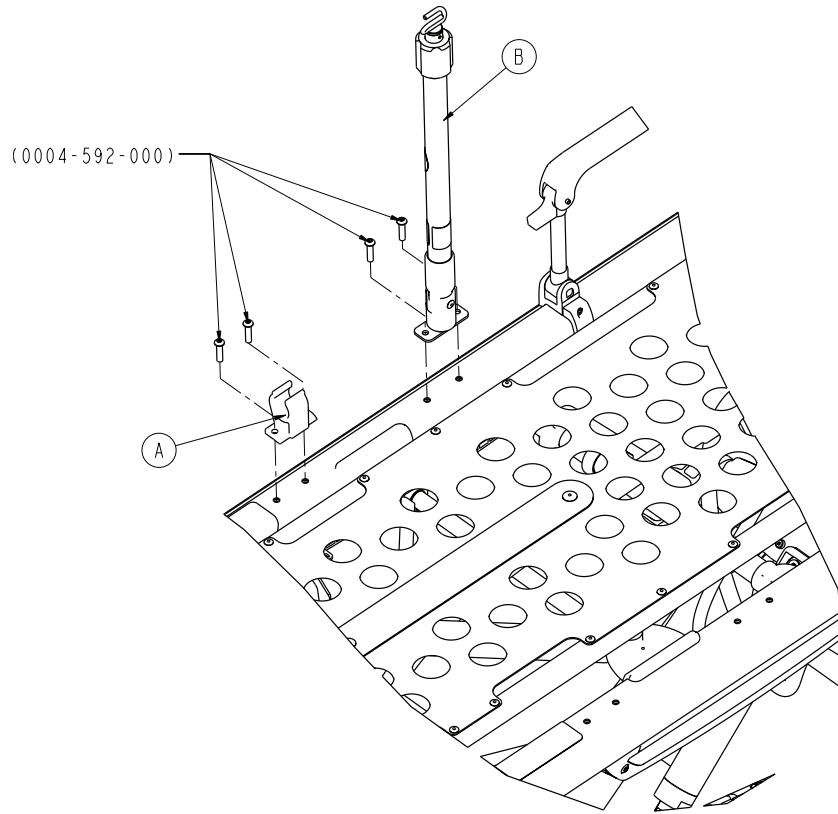
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	1
B	6500-101-041	HAVASU™ IV pole assembly, two-stage, right - 6500-101-041 (page 137)	1

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

Rev B (Reference only)

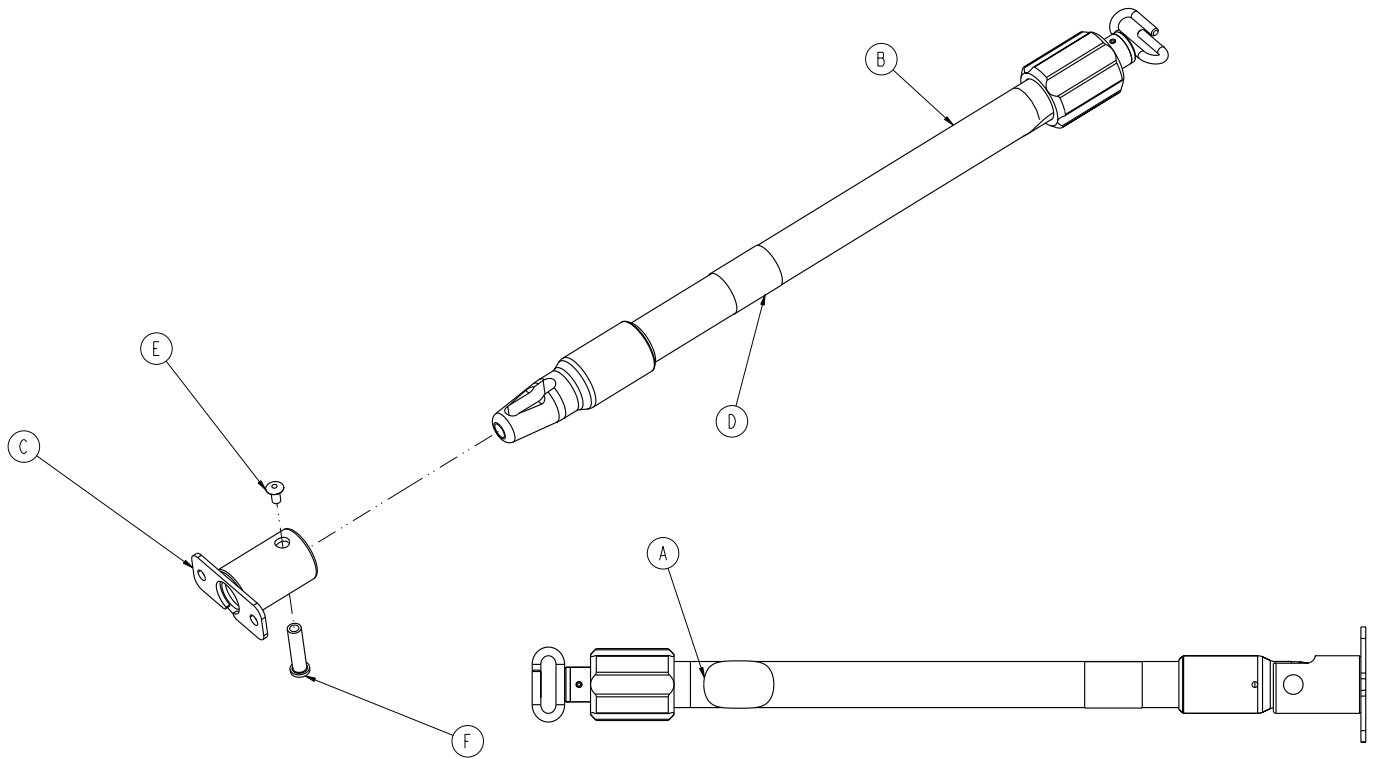


Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	1
B	6500-101-043	HAVASU IV pole assembly, three-stage, 1 right - 6500-101-043 (page 138)	1



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

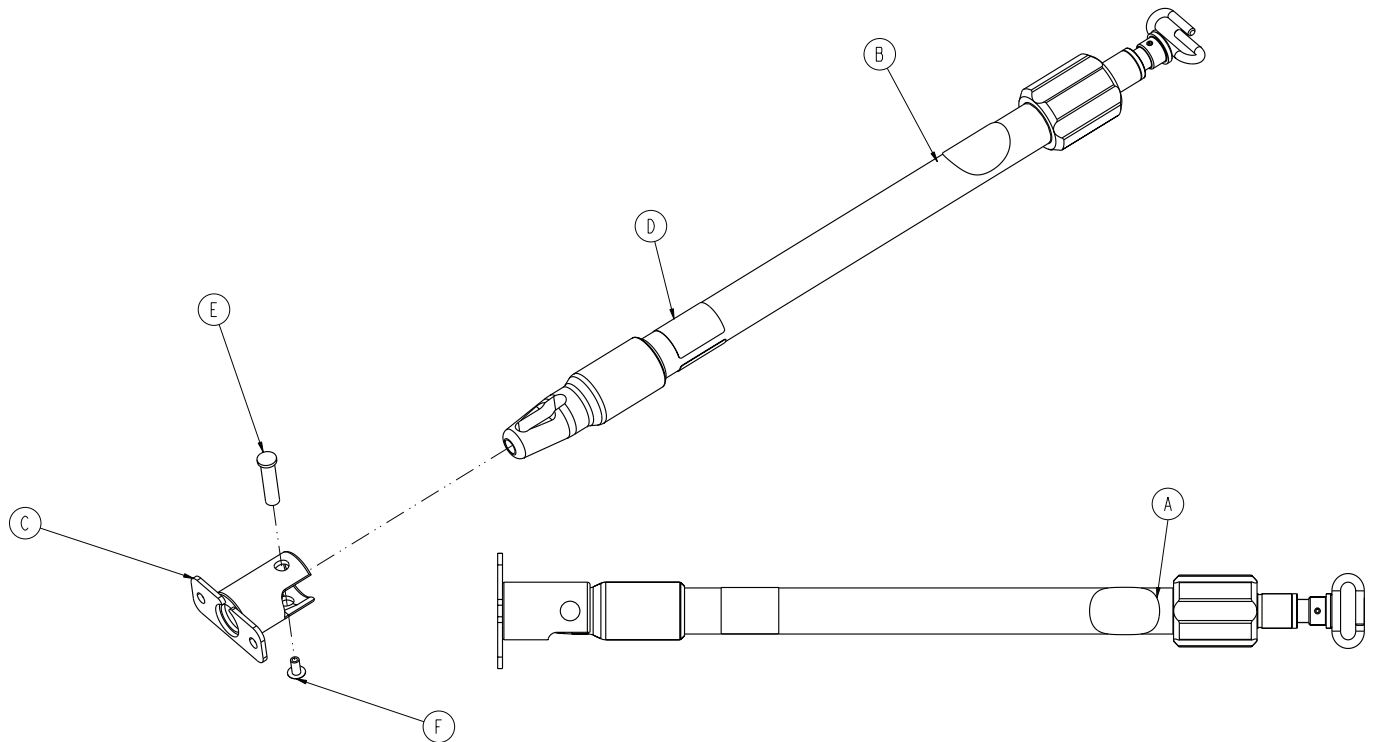
Rev AA (Reference only)



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, 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, right - 6500-101-043

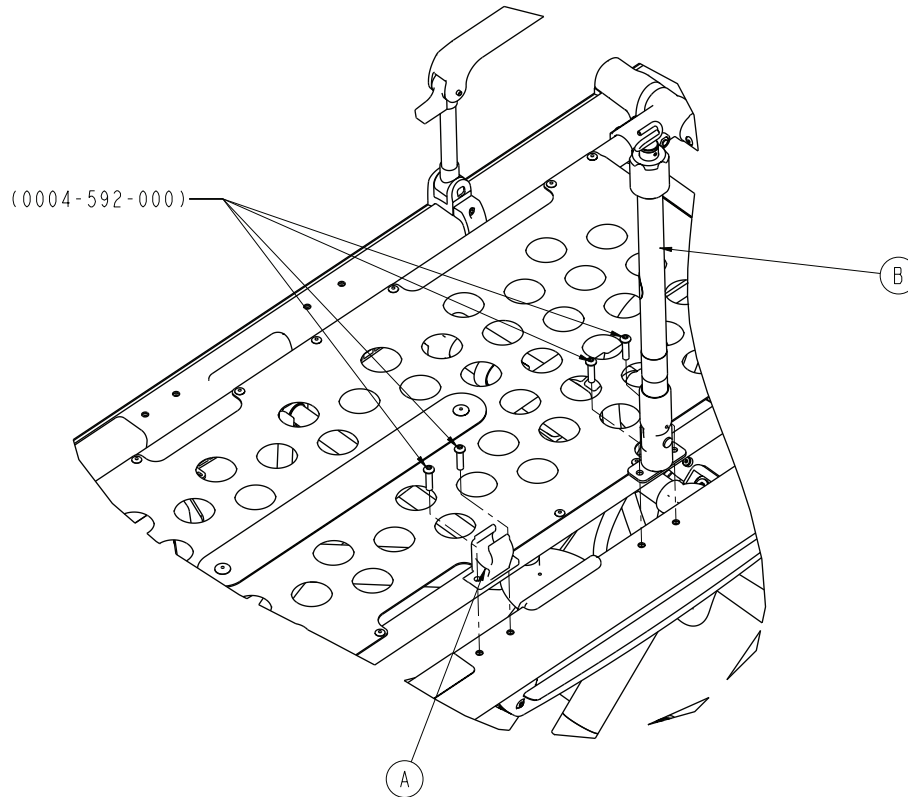
Rev AA (Reference only)



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, right	1
E	6070-110-037	IV pivot pin	1
F	0025-079-000	Dome head pop rivet	1

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

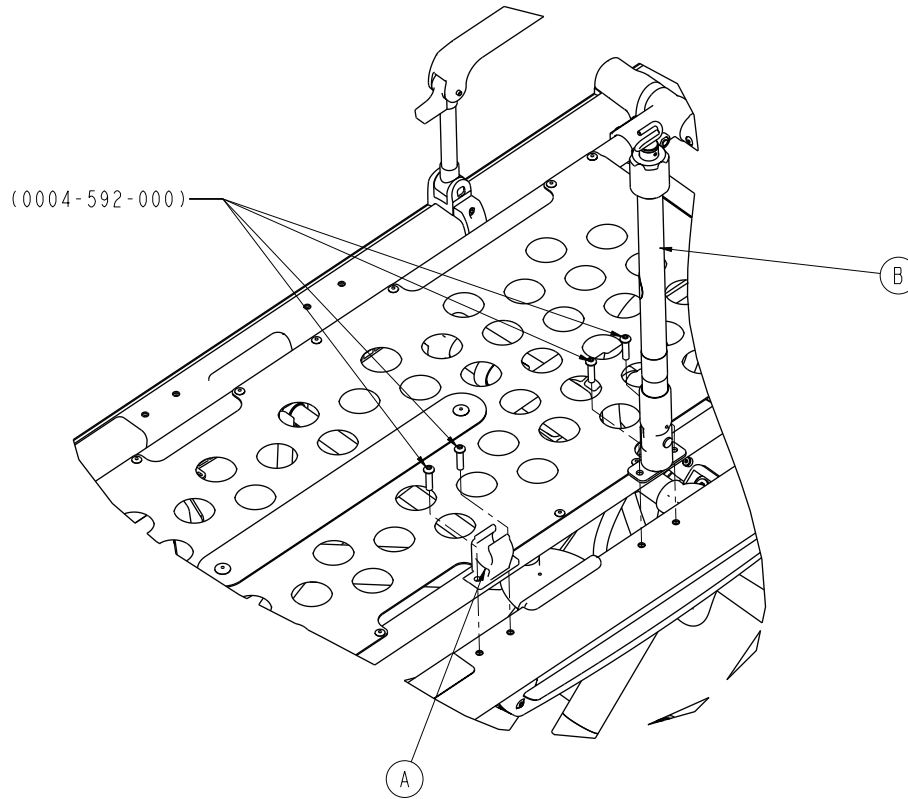
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	1
B	6500-101-042	HAVASU IV pole assembly, two-stage, left - 6500-101-042 (page 141)	1

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

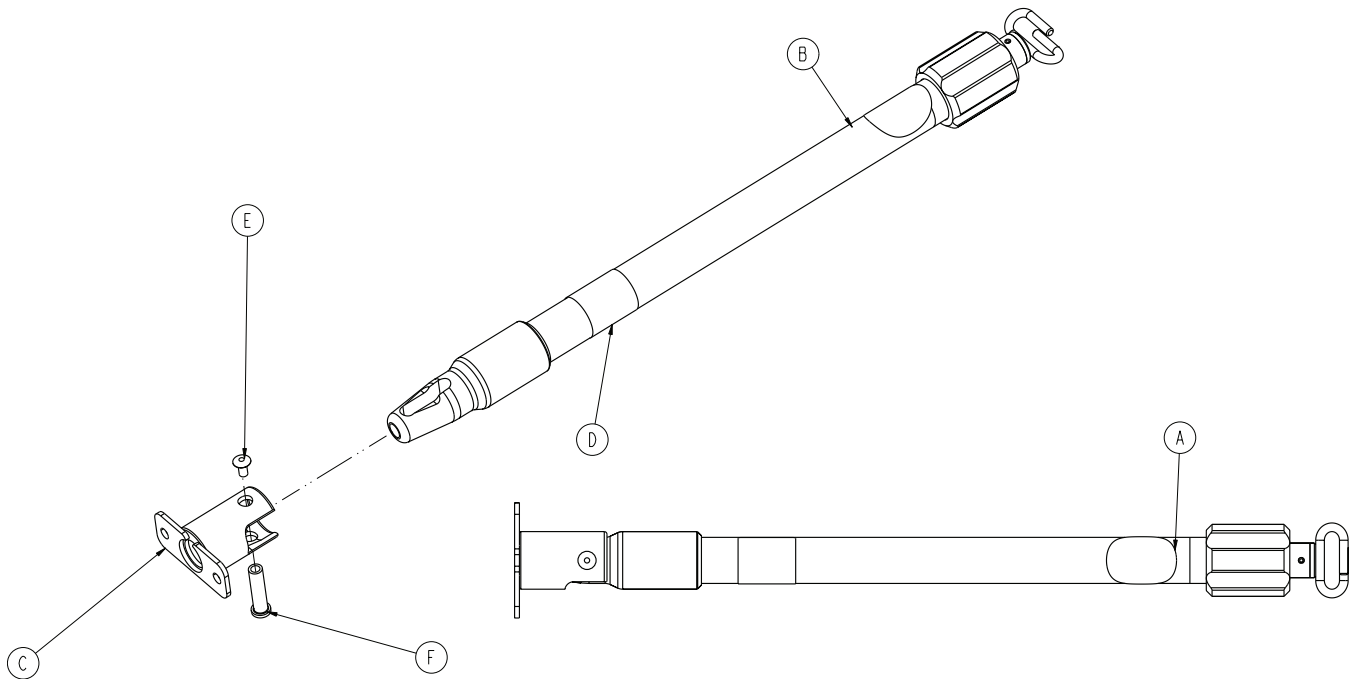
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip IV pole	1
B	6500-101-044	HAVASU IV pole assembly, three-stage, 1 left - 6500-101-044 (page 142)	1

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

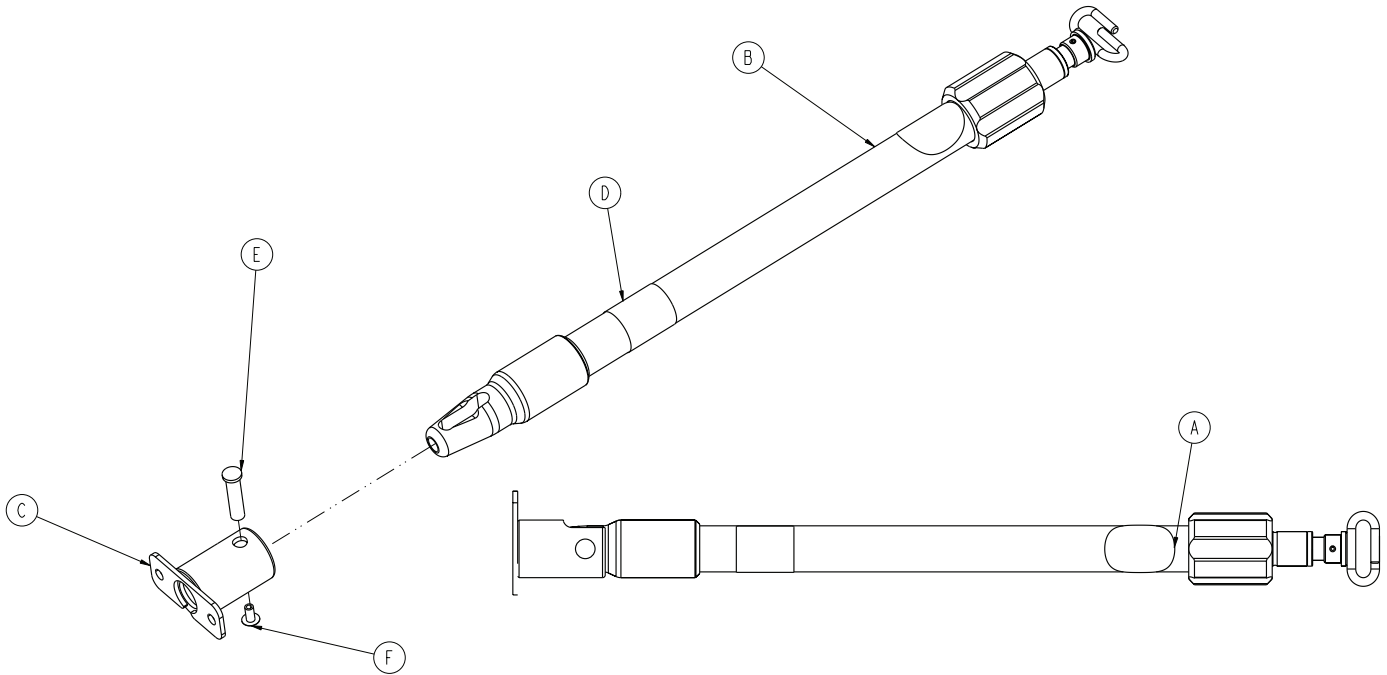
Rev AA (Reference only)



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, 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, left - 6500-101-044

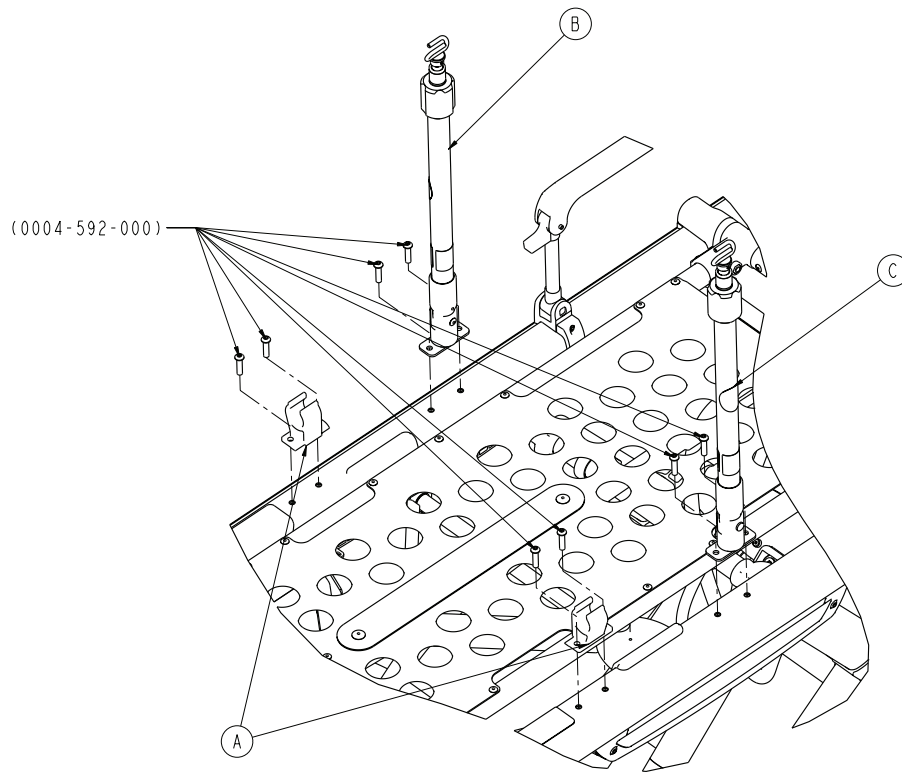
Rev AA (Reference only)



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, 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

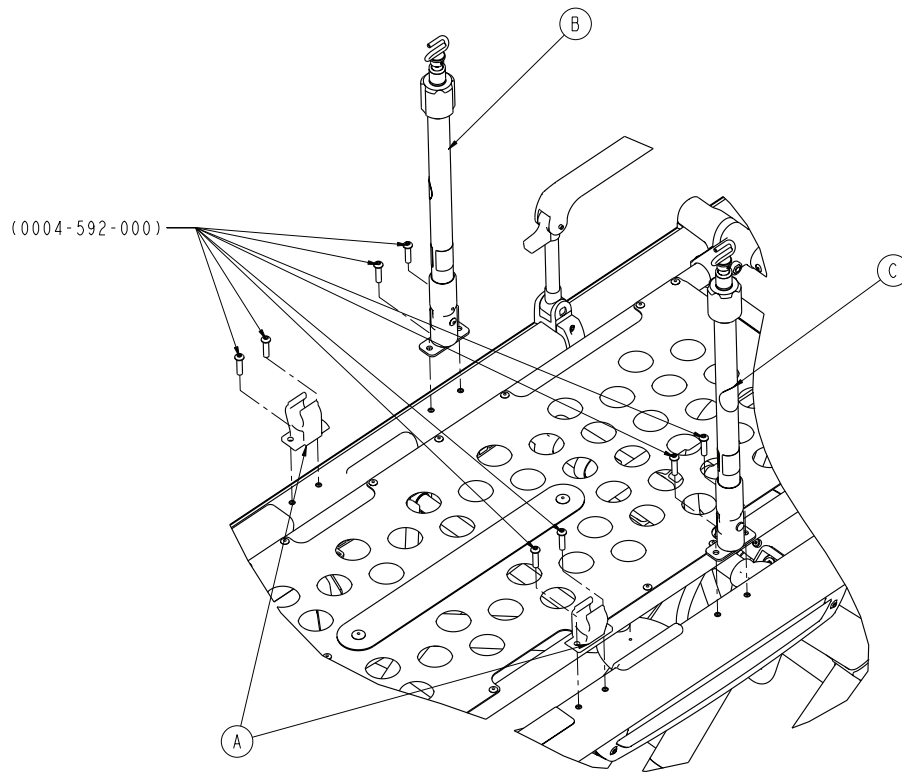
Rev B (Reference only)



Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	2
B	6500-101-041	HAVASU™ IV pole assembly, two-stage, right - 6500-101-041 (page 137)	1
C	6500-101-042	HAVASU IV pole assembly, two-stage, left - 6500-101-042 (page 141)	1

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

Rev B (Reference only)

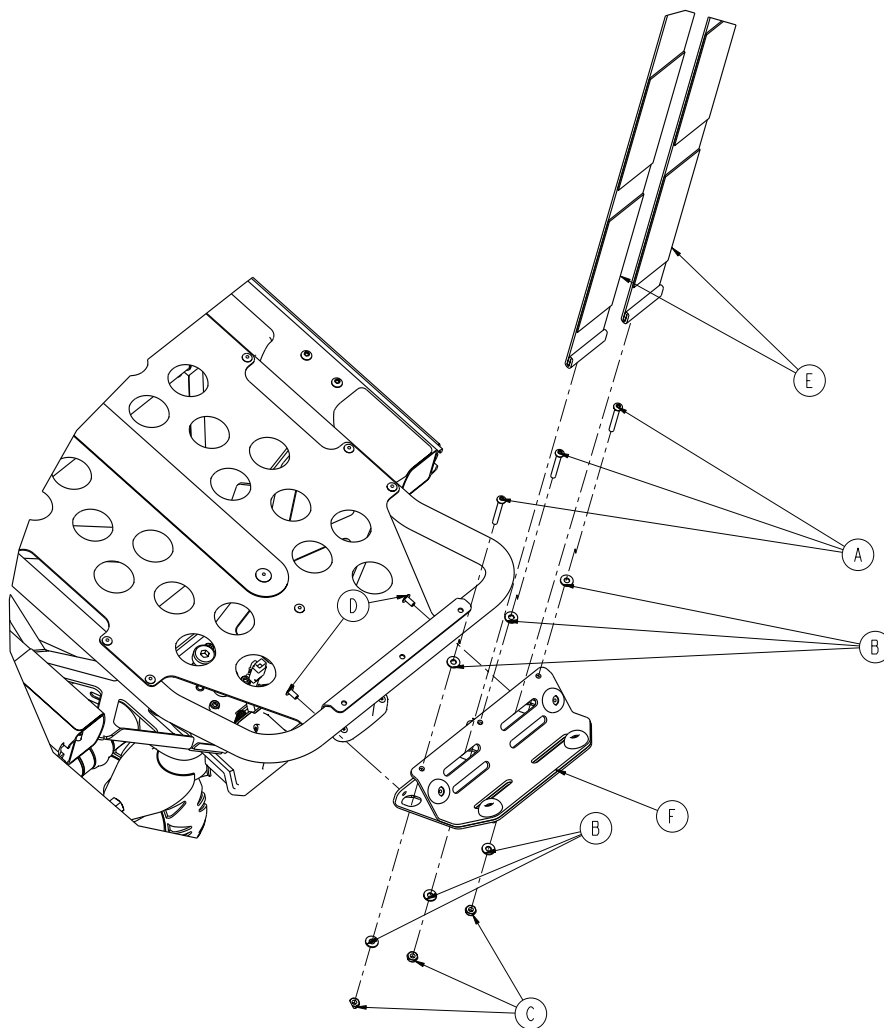


Item	Number	Name	Quantity
A	6100-115-060	Clip, IV pole	2
B	6500-101-043	HAVASU IV pole assembly, three-stage, 1 right - 6500-101-043 (page 138)	1
C	6500-101-044	HAVASU IV pole assembly, three-stage, 1 left - 6500-101-044 (page 142)	1



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

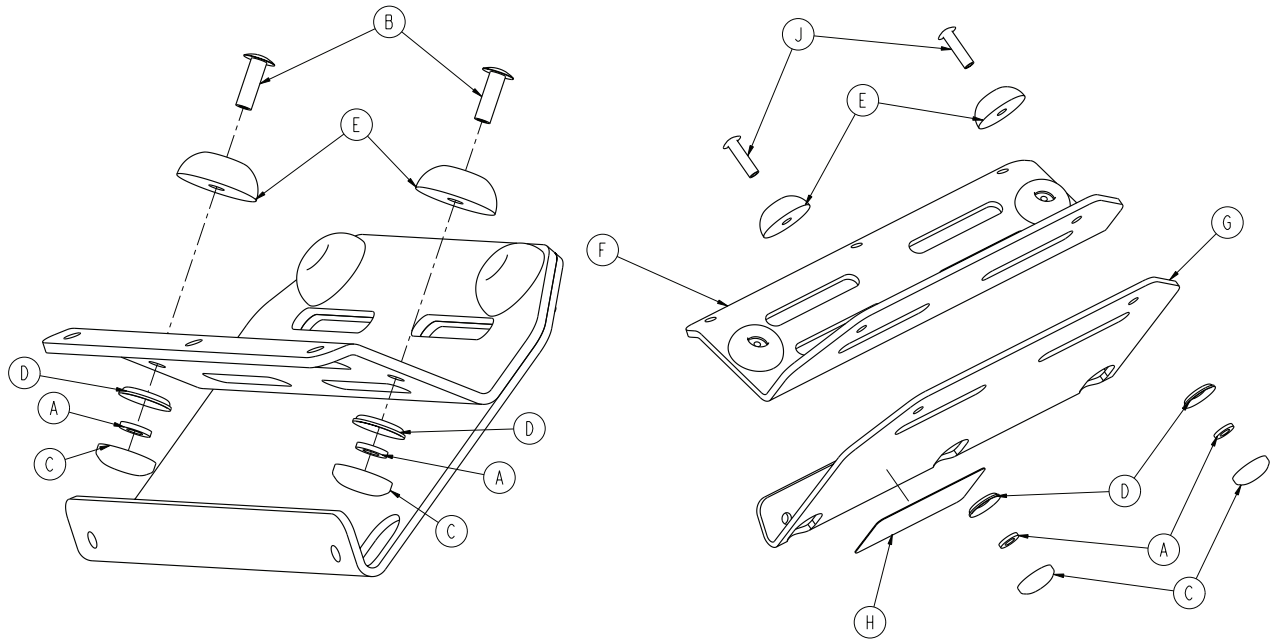
Rev A (Reference only)



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 - 6500-101-040 (page 146)	1

# Oxygen bottle holder assembly - 6500-101-040

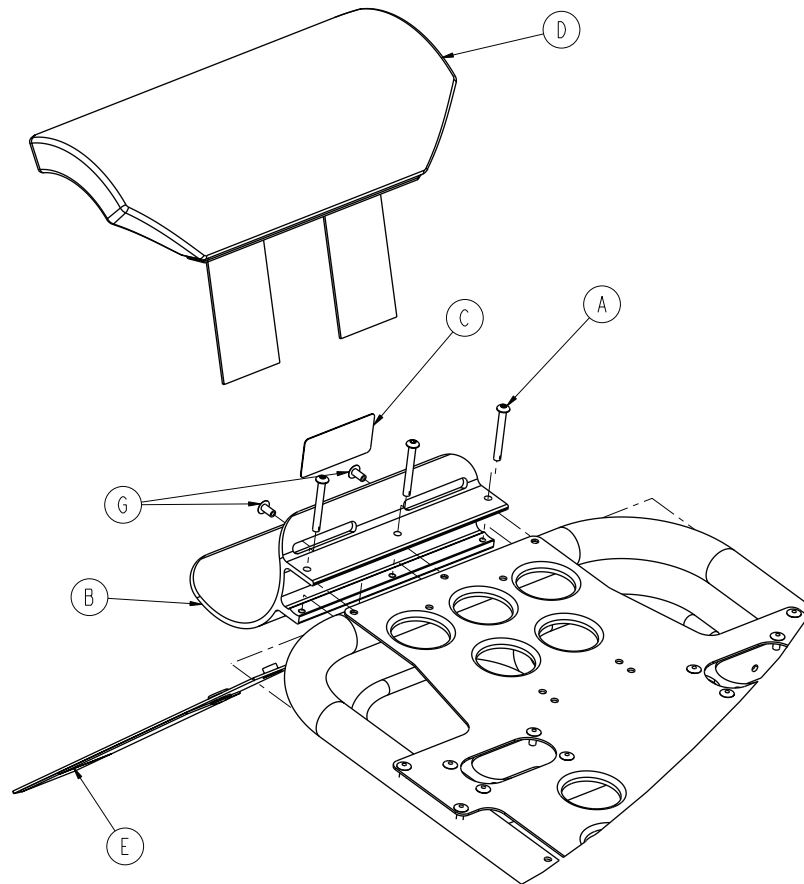
Rev A (Reference only)



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, Fowler - 6500-241-000

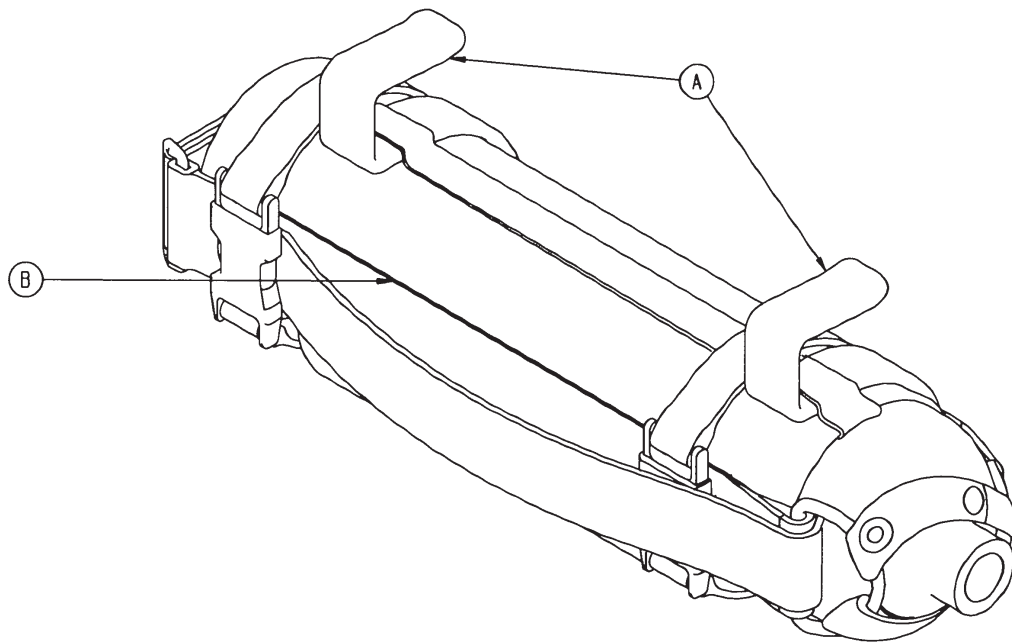
Rev B (Reference only)



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 - 6080-140-000

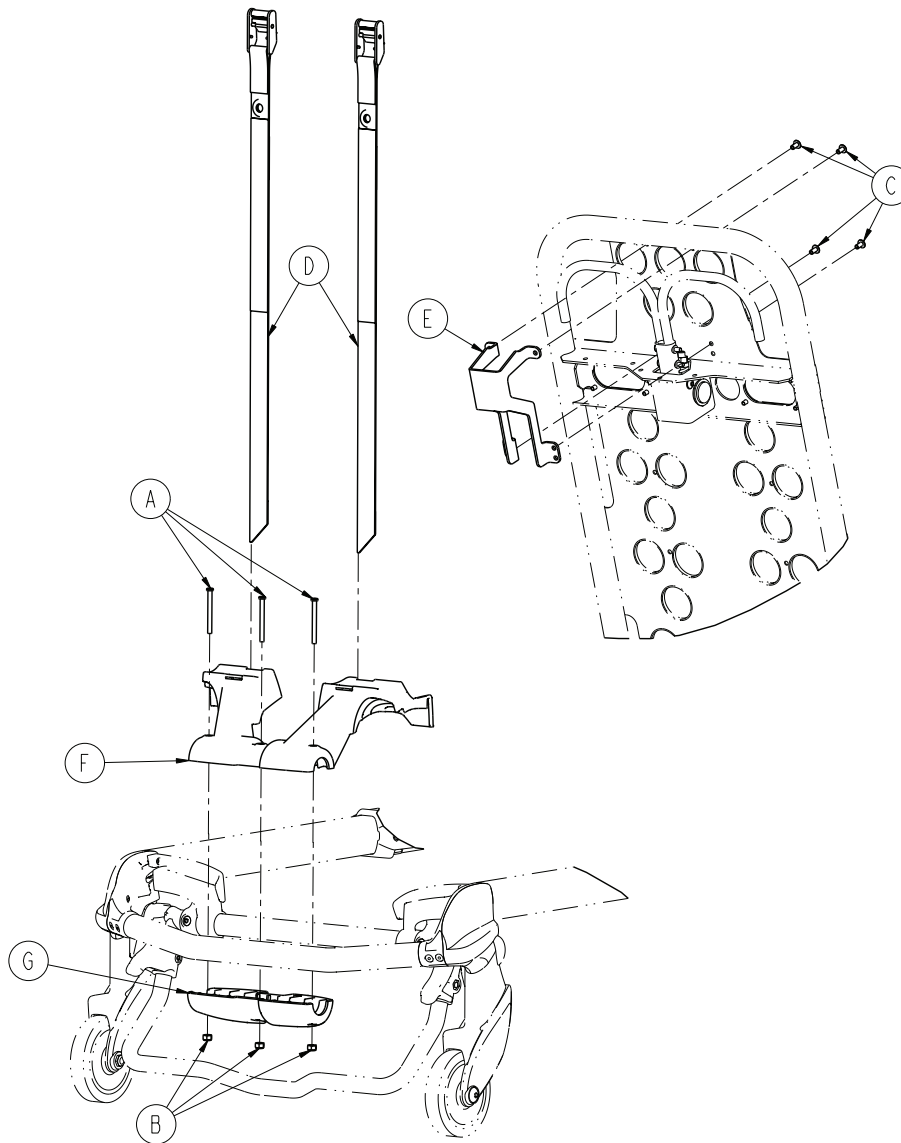
Rev A / 6080-140-010 Rev A (Reference only)



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 - 6085-046-000

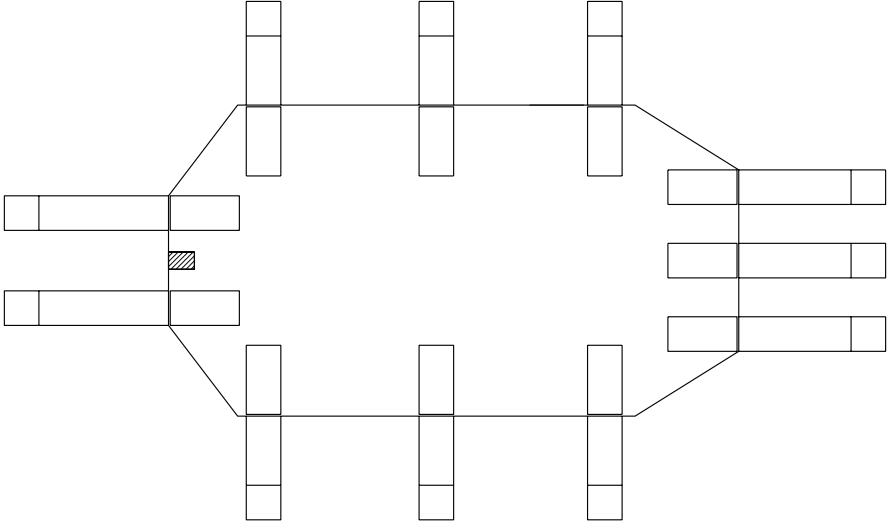
Rev B (Reference only)



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

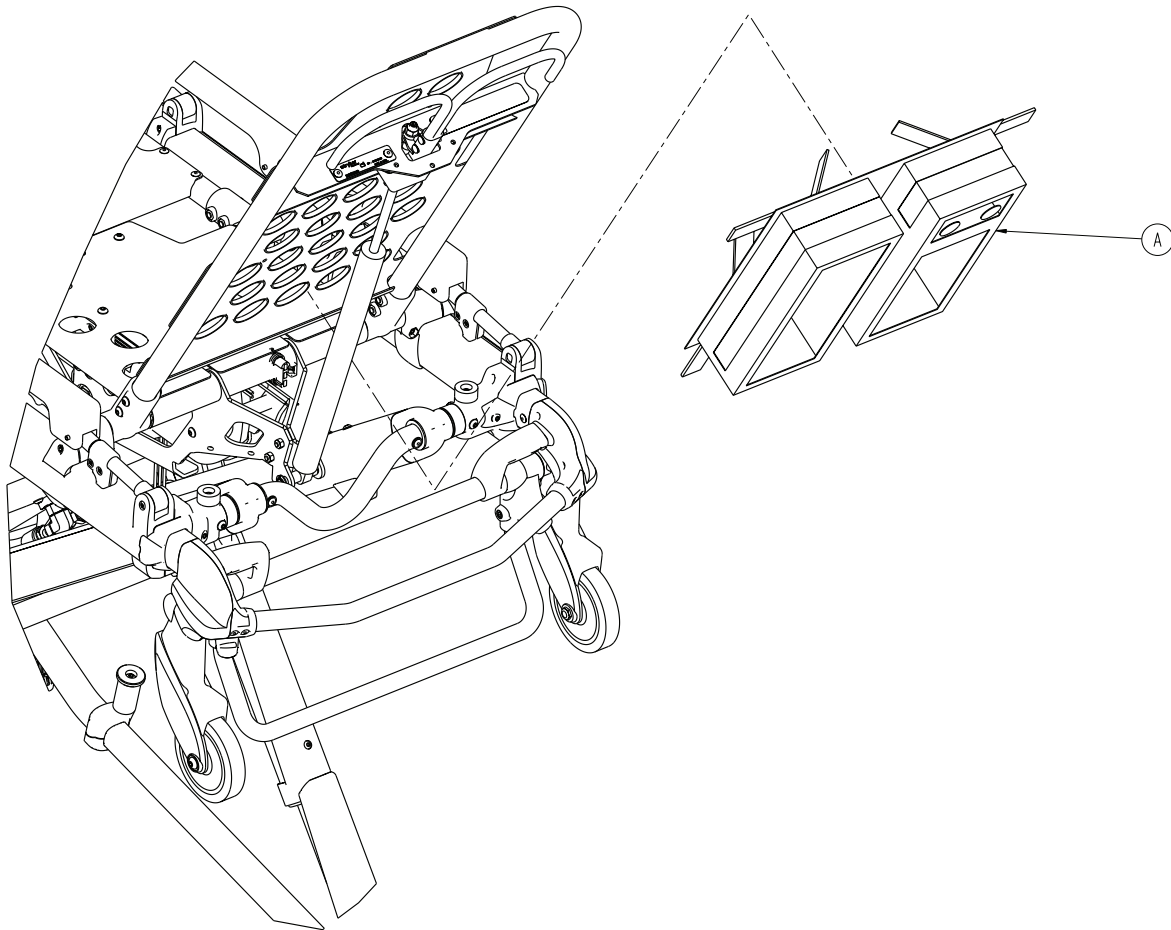
# Storage net, base - 6500-160-000

6500-001-126 Rev AA (Reference only)



# Backrest pouch - 6500-130-000

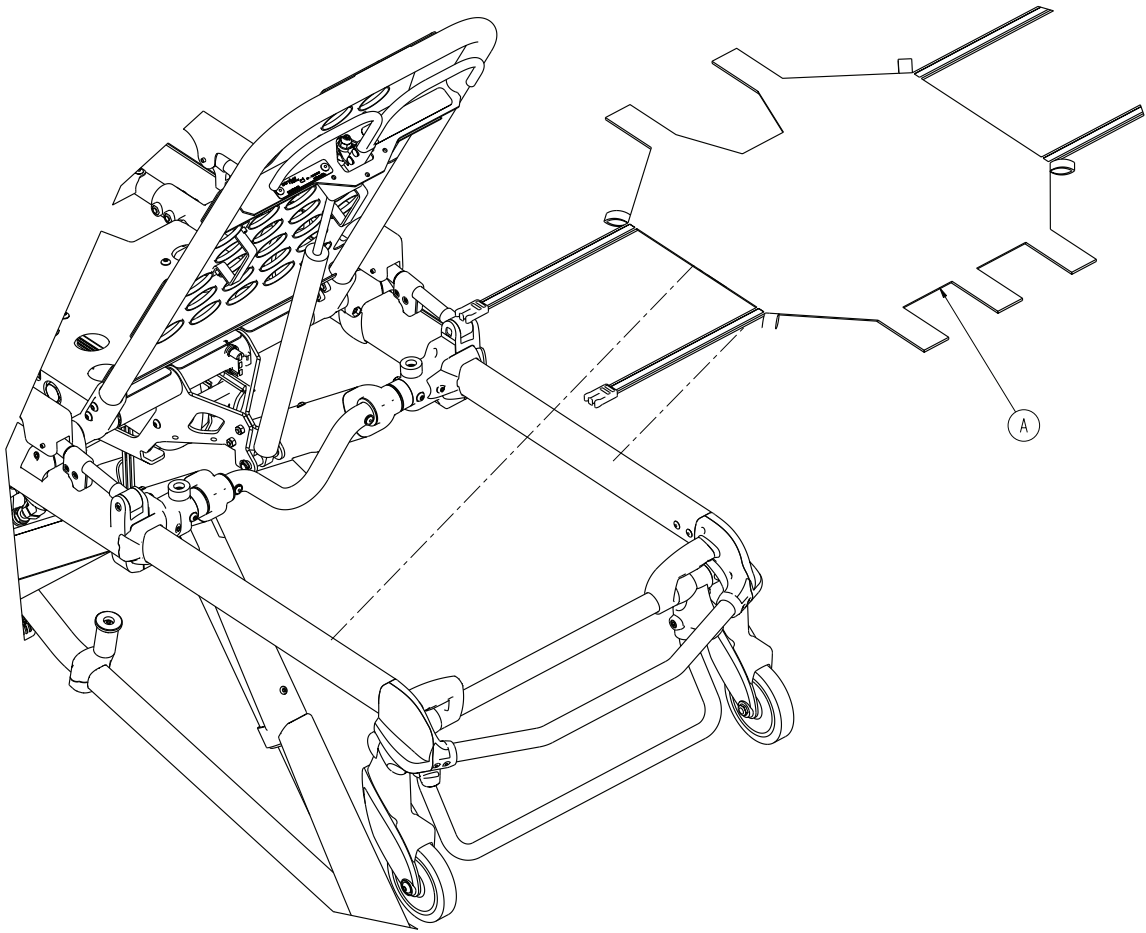
Rev A (Reference only)



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

# Storage flat, head end - 6500-128-000

Rev A (Reference only)

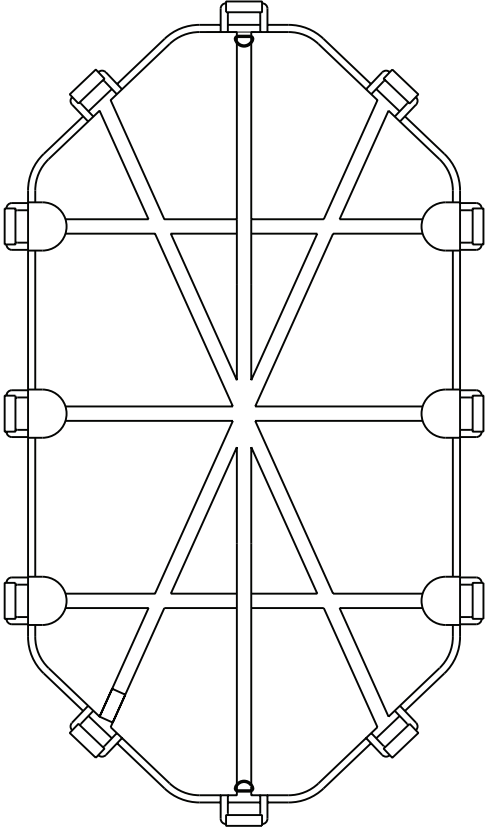


Item	Number	Name	Quantity
A	6500-001-232	Head end storage flat	1



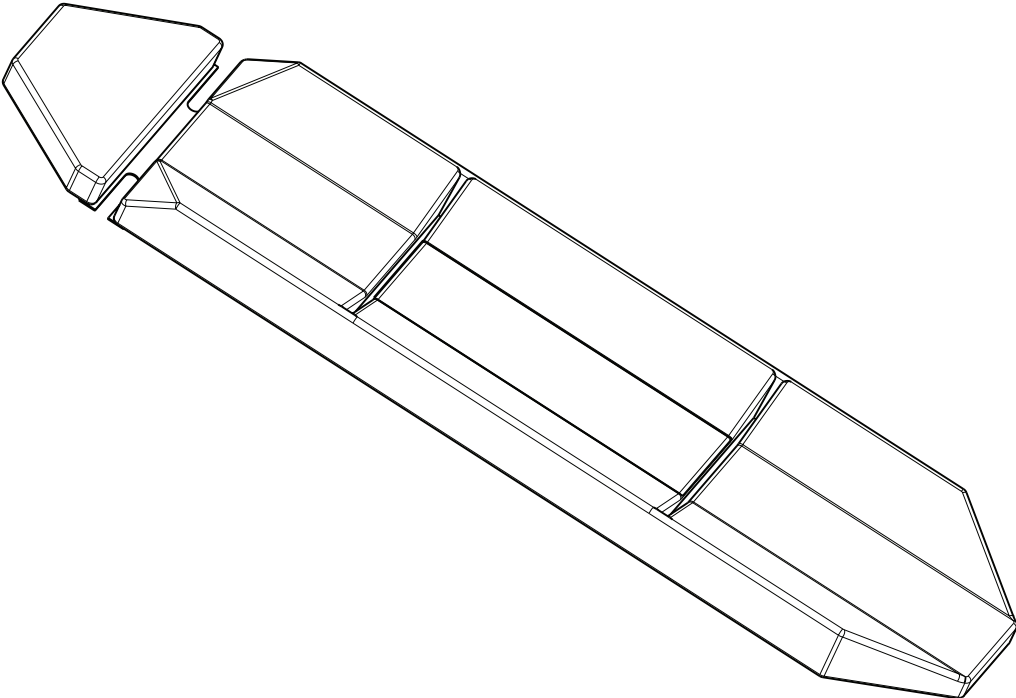
# Transfer flat

6005-001-001 Rev AA (Reference only)



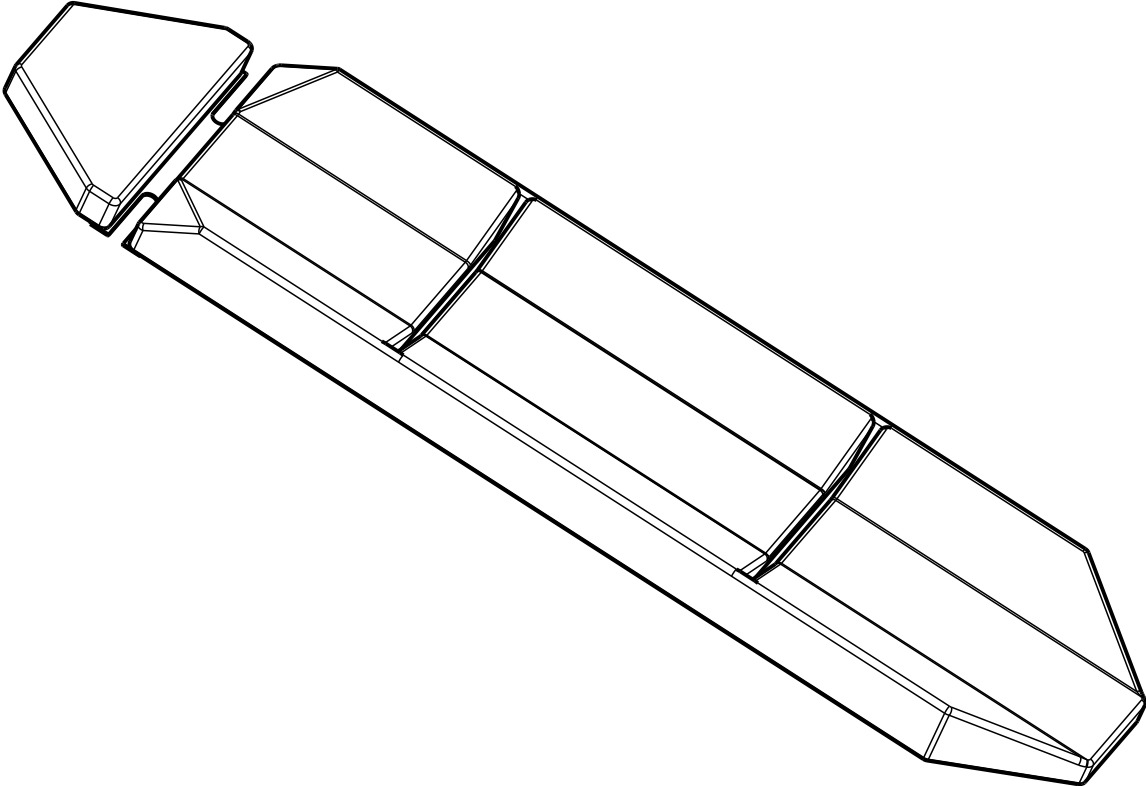
# Mattress, knee Gatch bolster - 6506-034-000

6500-002-150 Rev AB (Reference only)



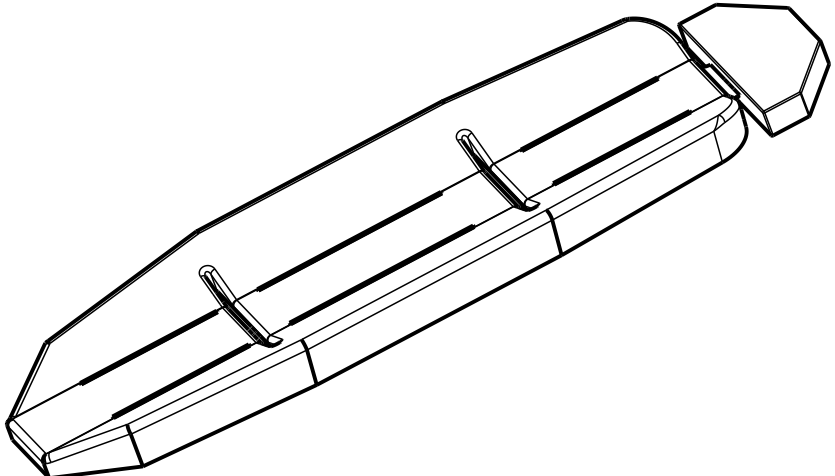
# Mattress, knee Gatch bolster, grey - 6506-033-000

6506-002-150 Rev AB (Reference only)



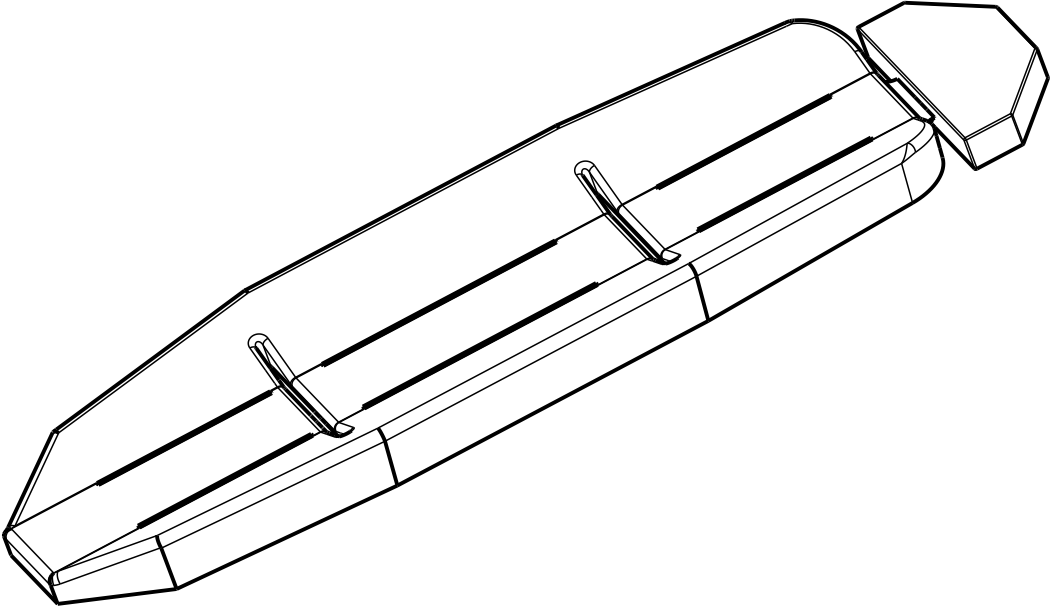
# Mattress, knee Gatch bolster, XPS - 6500-003-130

Rev AB (Reference only)



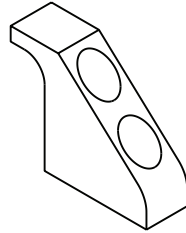
# Mattress, knee Gatch bolster, grey, XPS - 6506-041-000

6506-003-130 Rev AB (Reference only)

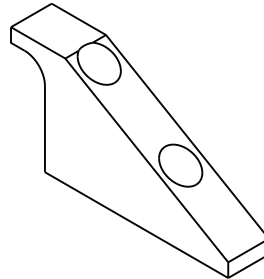


# Safety hook, short - 6060-036-017/Safety hook, long - 6060-036-018/ Safety hook, J - 6092-036-018

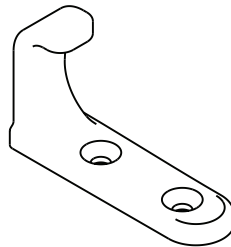
Safety hook, short - 6060-036-017 Rev A (Reference only)



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



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



# MTS assembly, low config. - 650605550001

Rev AA (Reference only)

**Note** - See *Cot assembly* (page 44) for assembly view and drawing notes.

Item	Number	Name	Quantity
AA	650600550026	MTS standard component 6506 <b>Power-PRO</b> , low config.	1
AB	609200550036	MTS safety hook, SST	1
AC	6500-001-430	<i>X-restraint package - 6500-001-430</i> (page 119)	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, knee Gatch bolster - 6506-034-000</i> (page 154)	1
AH	650600550037	MTS no Steer-Lock	1
AJ	650000550038	MTS <b>SMRT</b> complete system, 120V AC, 12V DC, bracket, domestic	1
AK	650600550029	MTS non- <b>Power-LOAD</b> 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>Storage flat, head end - 6500-128-000</i> (page 152)	1
AS	650000550315	MTS three-stage IV pole, right	1
AT	650600550012	MTS standard Fowler	1

# MTS assembly, mid config. - 650605550002

Rev AB (Reference only)

**Note** - See *Cot assembly* (page 44) for assembly view and drawing notes.

Item	Number	Name	Quantity
AA	650600550027	MTS standard component 6506 <b>Power-PRO</b> , mid config.	1
AB	609200550036	MTS safety hook, SST	1
AC	6500-001-430	<i>X-restraint package - 6500-001-430</i> (page 119)	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, knee Gatch bolster, XPS - 6500-003-130</i> (page 156)	1
AH	650600550037	MTS no Steer-Lock	1
AJ	650000550038	MTS <b>SMRT</b> complete system, 120V AC, 12V DC, bracket, domestic	1
AK	650600550035	MTS 6506 <b>Power-LOAD</b> and <b>Performance-LOAD</b>	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>Storage flat, head end - 6500-128-000</i> (page 152)	1
AS	650000550315	MTS three-stage IV pole, right	1
AT	650600550012	MTS standard Fowler	1
AU	6500-001-241	<i>Backrest pouch - 6500-130-000</i> (page 151)	1
AV	639000010931	Label, <b>Power-PRO XT</b> , wireless	1



# MTS assembly, high config. - 650605550003

Rev AB (Reference only)

**Note** - See *Cot assembly* (page 44) for assembly view and drawing notes.

Item	Number	Name	Quantity
AA	650600550028	MTS standard component 6506 <b>Power-PRO</b> , high config.	1
AB	609200550036	MTS safety hook, SST	1
AC	6500-001-430	<i>X-restraint package - 6500-001-430</i> (page 119)	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, knee Gatch bolster, XPS - 6500-003-130</i> (page 156)	1
AH	650600550038	MTS Steer-Lock	1
AJ	650000550038	MTS <b>SMRT</b> complete system, 120V AC, 12V DC, bracket, domestic	1
AK	650600550035	MTS 6506 <b>Power-LOAD</b> and <b>Performance-LOAD</b>	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>Storage flat, head end - 6500-128-000</i> (page 152)	1
AS	650000550315	MTS three-stage IV pole, right	1
AT	650600550012	MTS standard Fowler	1
AU	6500-001-241	<i>Backrest pouch - 6500-130-000</i> (page 151)	1
AV	639000010931	Label, <b>Power-PRO XT</b> , 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	<b>Power-PRO</b> and <b>SMRT</b> 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	<b>Power-PRO</b> with the <b>Power-LOAD</b> compatibility option must emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected.
RF Emissions CISPR 11	<b>Power-PRO</b> : Class A	<b>Power-PRO</b> 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.
	<b>SMRT</b> charger (6500-201-010): Class B	The <b>SMRT</b> 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	<b>Power-PRO</b> : N/A <b>SMRT</b> charger (6500-201-010): Class A	The <b>SMRT</b> 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	<b>Power-PRO</b> : N/A <b>SMRT</b> charger (6500-201-010): complies	The <b>SMRT</b> 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	$\pm 8$ kV contact $\pm 15$ kV air	$\pm 8$ kV contact $\pm 15$ 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	$\pm 2$ kV for power supply lines $\pm 1$ kV for input/output lines	<b>Power-PRO:</b> N/A <b>SMRT</b> charger (6500-201-010): $\pm 2$ kV for power supply lines $\pm 1$ 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><math>\pm 1</math> kV line(s) to line(s) <math>\pm 2</math> kV line(s) to earth</p>	<p><b>Power-PRO:</b> N/A <b>SMRT</b> charger (6500-201-010): <math>\pm 1</math> kV line(s) to line(s) <math>\pm 2</math> 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% <math>U_T</math> for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% <math>U_T</math> for 1 cycle 70% <math>U_T</math> (30% dip in <math>U_T</math>) for 25 cycles 0% <math>U_T</math> for 250 cycles</p>	<p><b>Power-PRO:</b> N/A <b>SMRT</b> charger (6500-201-010): 0% <math>U_T</math> for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% <math>U_T</math> for 1 cycle 70% <math>U_T</math> (30% dip in <math>U_T</math>) for 25 cycles 0% <math>U_T</math> for 250 cycles</p>	<p>Mains power quality should be that of a typical commercial or hospital environment. If the user of the <b>SMRT</b> 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><b>Power-PRO:</b> N/A <b>SMRT</b> 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.

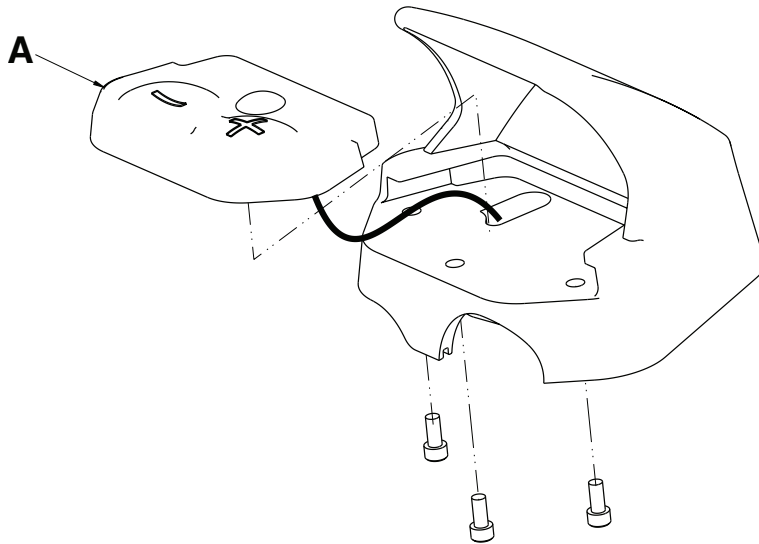
<sup>a</sup> Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed 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**.

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

# Recycling passport

650600010016

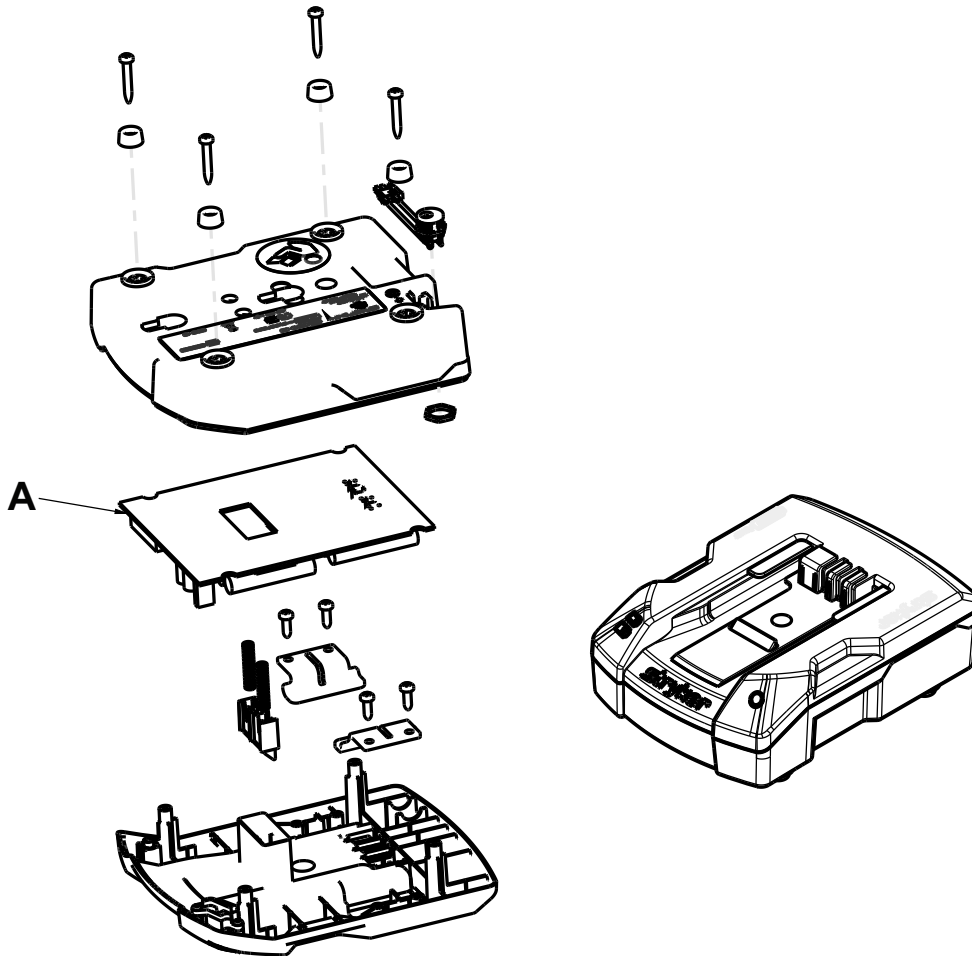
Rev AA



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

# 6500-201-010

Rev AA

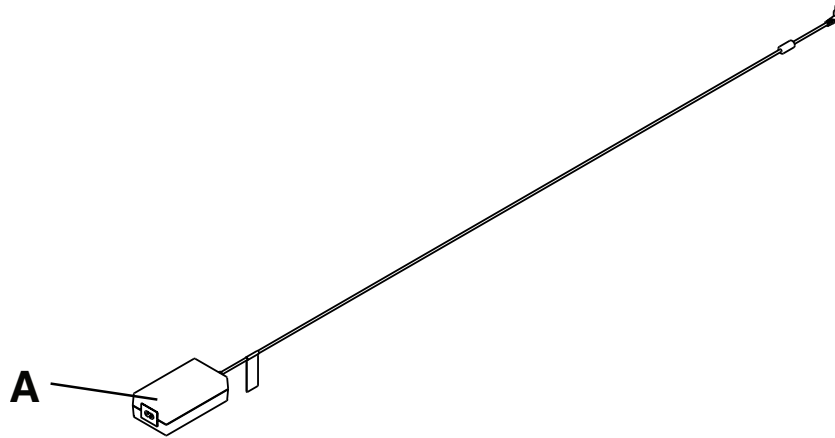


Item	Recyclable part number	Material code	Important information	Quantity
A	6500-201-140	Charger PCB		1



# 6500-201-148

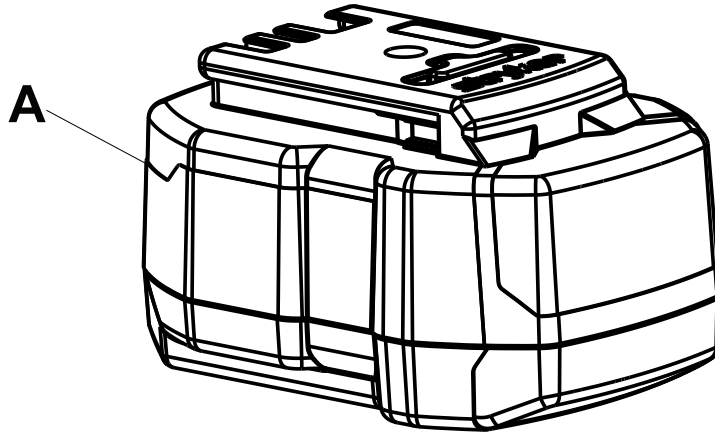
Rev AA



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

# 6500-101-010

Rev AC



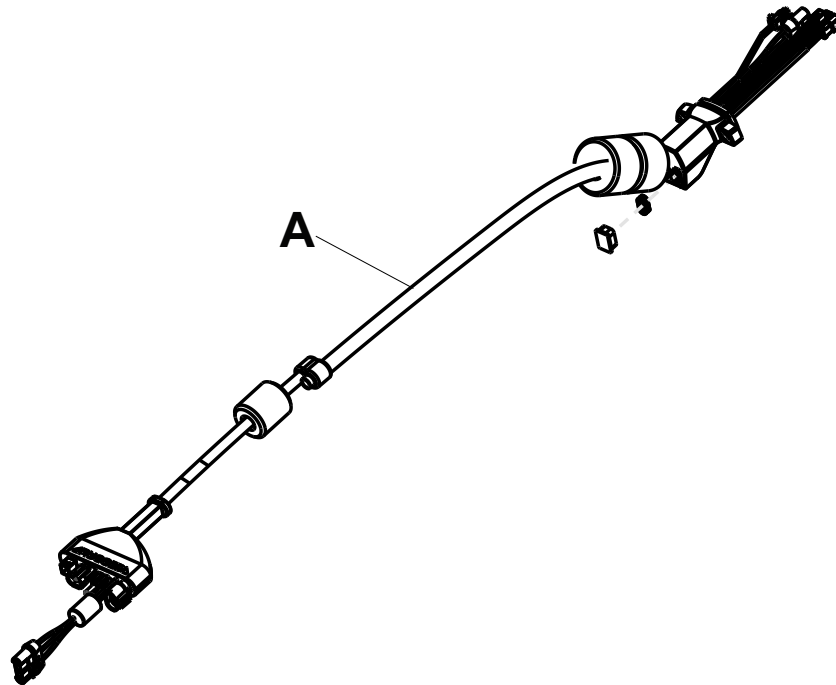
Item	Recyclable part number	Material code	Important information	Quantity
A	6500-101-010	NiCd		2



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](http://www.rbc.org)) to find a nearby collection site or call the phone number shown on the recycling symbol.

# 6500-002-159

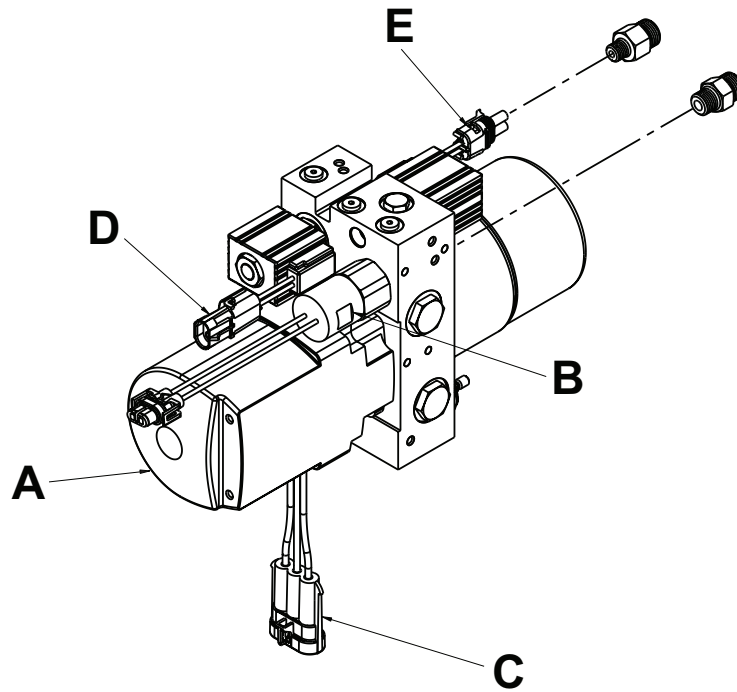
Rev AB



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

# 6500-001-214

Rev N

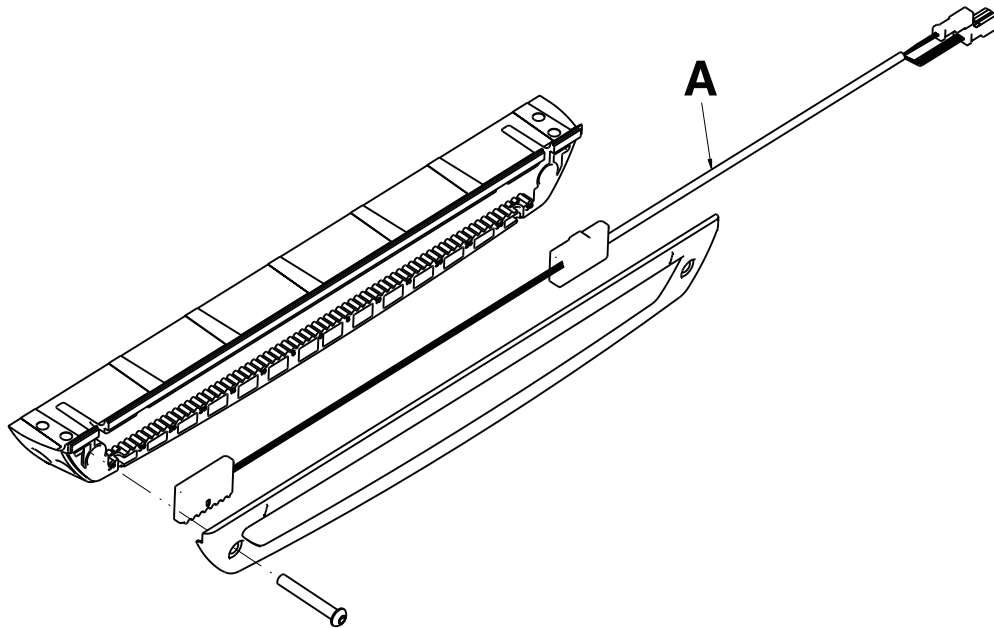


Item	Recyclable part number	Material code	Important information	Quantity
A	413768	Motor	Contains automatic transmission fluid*	1
B	6500-001-290	External electrical cable		1
C	12264	External electrical cable		1
D	12010973	External electrical cable		1
E	12015792	External electrical cable		1

\*Mobil Mercon V Synthetic blend or equivalent

# 6500-002-028

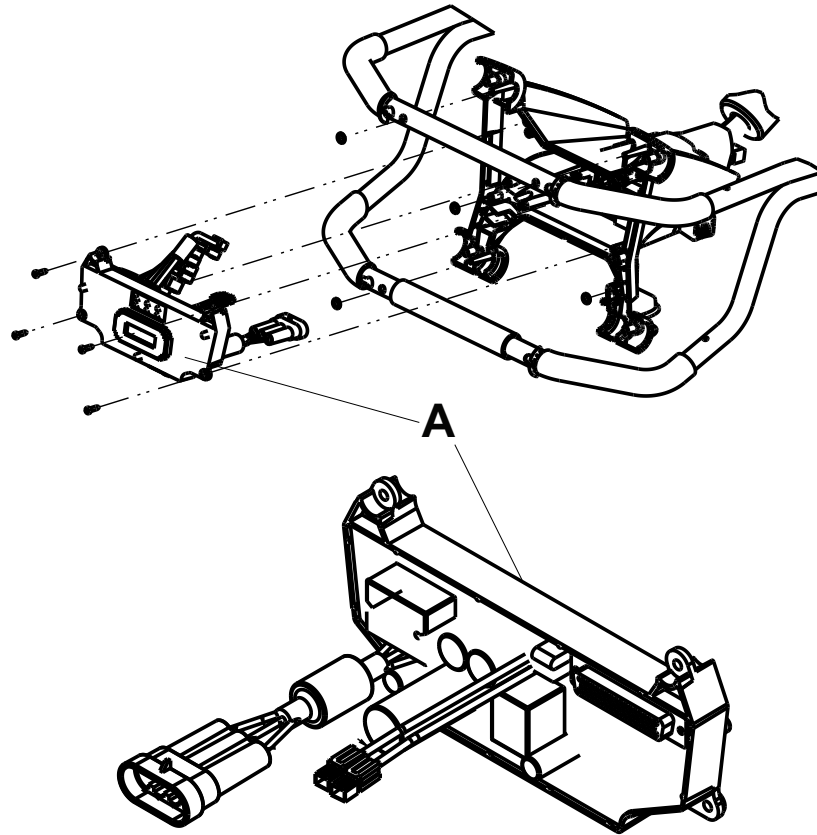
Rev A



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



# stryker



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