









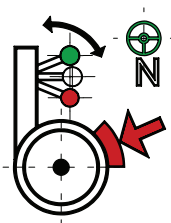








stryker[®]

Maintenance Manual



Symbols

	Refer to instruction manual/booklet
	Operating instructions / Consult instructions for use
	General warning
	Caution
	Warning; crushing of hands
	Warning; crushing of feet
	Do not insert lift pole
	Headboard and footboard orientation
	Do not store items under the bed.
	Gatch positioning
	Caster lock
	Catalogue number
	Serial number
	CE mark
	Manufacturer
	Safe working load
	Maximum patient weight

Symbols








	Direct current
	Alternating current
	Dangerous voltage
	Unit provides terminal for connection of a potential equalization conductor. The potential equalization conductor provides direct connection between the unit and potential equalization busbar of the electrical installation.
	Protective Earth terminal
IPX4	Protection from liquid splash
	Type B applied part
	In accordance with European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE), this symbol indicates that the product must not be disposed of as unsorted municipal waste, but should be collected separately. Contact your local distributor for disposal information. See the maintenance manual for servicing instructions and recyclable components.

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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

- Only use the input voltage and frequency as rated on the product.
 - Do not clean, service, or perform maintenance while the product is in use.
 - Always power off and unplug the power cord before cleaning, servicing, or performing maintenance.
 - Always power off the product and unplug the power cord from the wall outlet when large spills occur near the circuit boards, cables, and motors. Remove the patient from the product, clean up the fluid, and have service personnel inspect the product. Fluids can cause unpredictable operation and decreased functionality of any electrical product. Do not return the product to service until it is completely dry and has been thoroughly tested for safe operation.
 - Do not spray cleaners directly onto the battery, control boxes, actuators, cables, or other electric equipment.
 - Do not use abrasive powder, steel wool, or similar materials that may damage the product surface.
 - Do not use **Virex®** TB for product disinfecting.
 - Do not use acid-based chemicals or flammable chemicals, such as gasoline, diesel, or acetone for cleaning purposes.
 - Do not directly spray or saturate the siderail control panel, patient control pendant, or nurse control pendant with cleaners.
 - Do not use sharp objects to clean the siderail control panel.
 - Always make sure to line the hex shaft with the hex in the caster. Test the caster to identify the direction of the brake. Damage may occur if you install the caster incorrectly.
-

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
 - Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.
 - To minimize the risk of any electromagnetic interference, the product design follows the standard IEC 60601-1-2. To avoid problems, use the bed in accordance with the EMC/EMI requirements in the EMC section of this operations manual.
 - Portable and mobile RF communications equipment can produce electromagnetic interference with SV1. To prevent interference caused by portable and mobile RF communications equipment, maintain a minimum distance between portable and mobile communications equipment and SV1 according to the EMC section of this operations manual.
 - Do not steam clean, pressure wash, ultrasonically clean, or immerse any part of the product in water. Exposure to water may damage the internal electric parts. These methods of cleaning are not recommended and may void this product's warranty.
 - Always make sure that you wipe each product with clean water and thoroughly dry each product after cleaning. Some cleaning products are corrosive in nature and may cause damage to the product if you use them improperly. If you do not properly rinse and dry the product, you may leave a corrosive residue on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.
-

Summary of safety precautions

Pinch points



Figure 1: SV1 pinch points

Introduction

This manual assists you with the operation or maintenance of your Stryker product. Read this manual before operating or maintaining this product. Set methods and procedures to educate and train your staff on the safe operation or maintenance of this product.

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.

Notes

- This manual is a permanent part of the product and should remain with the product even if the product is sold.
- Stryker continually seeks advancements in product design and quality. This manual contains the most current product information available at the time of printing. There may be minor discrepancies between your product and this manual. If you have any questions, contact Stryker Customer Service or Technical Support at + 90 (352) 321 43 00 (pbx).

Expected service life



SV1 has a five year expected service life under normal use conditions and with appropriate periodic maintenance.

The battery has a one year expected service life under normal use conditions.

Warranty

Warranty may vary by country. Contact your local Stryker Medical representative for additional information.

Specifications

	Safe working load Note: Safe working load indicates the sum of the patient, mattress, and accessory weight	230 kg
	Maximum patient weight	215 kg
Product weight		150 kg
Overall product size	Length	2200 mm (±10 mm)
	Length (with bed extender - option)	2510 mm (±10 mm)
	Width	990 mm (±10 mm)
Product height (without mattress)	Low	370 mm (±10 mm)
	High	750 mm (±10 mm)
Under product clearance		150 mm
Caster size (single and optional dual-casters)		150 mm
Product angle indicator		0° - 15°

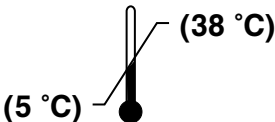
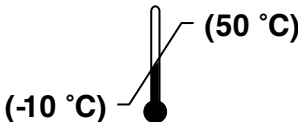
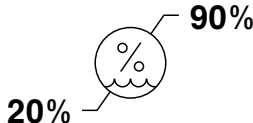
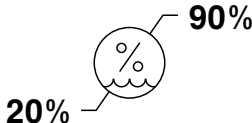
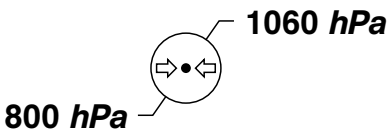
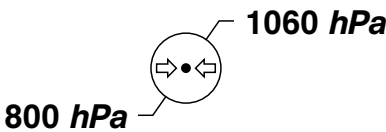
Introduction

Specifications (Continued)

Backrest angle indicator	0° - 90°
Backrest angle	0° - 65°
Trendelenburg/Reverse Trendelenburg	0° - 12°
Gatch angle	0° - 30°
Electrical requirements	
Battery	24 VDC, 10 amps, Model BA1812
Control box	100-240 VAC, 50 Hz - 60 Hz nominal, 5 amps
Electrical classification	Class 1 when product is plugged into mains power Internally powered when the product is unplugged
Duty cycle	2 mins of actuation and 18 mins idle

Class I Equipment: Equipment that protects against electrical shock and does not solely rely on basic insulation, but which includes an additional safety precaution that is provided for the connection of the equipment to the protective earth conductor in the fixed wiring of the installation that accessible metal parts cannot become live in the event of a failure of basic insulation.

Compatible mattresses	
7002-2-012	2000 mm x 860 mm x 120 mm
7002-2-014	2000 mm x 860 mm x 140 mm
7002-5-012	2000 mm x 860 mm x 120 mm
7002-2-512	2000 mm x 860 mm x 120 mm
7002-2-514	2000 mm x 860 mm x 140 mm
7002-2-514	2000 mm x 860 mm x 120 mm
7002-5-712	2000 mm x 860 mm x 120 mm

Environmental conditions	Operation	Storage and transportation
Temperature		
Relative humidity		
Atmospheric pressure		

Introduction

Specifications (Continued)

Specifications listed are approximate and may vary slightly from product to product or by power supply fluctuations.

Stryker reserves the right to change specifications without notice.

Standards applied	
IEC 60601-1:2005+CORR 1 (2006) + CORR 2 (2007)	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
IEC 60601-1-2:2007	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests
IEC 60601-2-52:2009	Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds
IEC 60601-2-54:2009* *Only applicable when the product is equipped with the radiolucent backrest option	Medical electrical equipment - Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy



WARNING

Only use the input voltage and frequency as rated on the product.

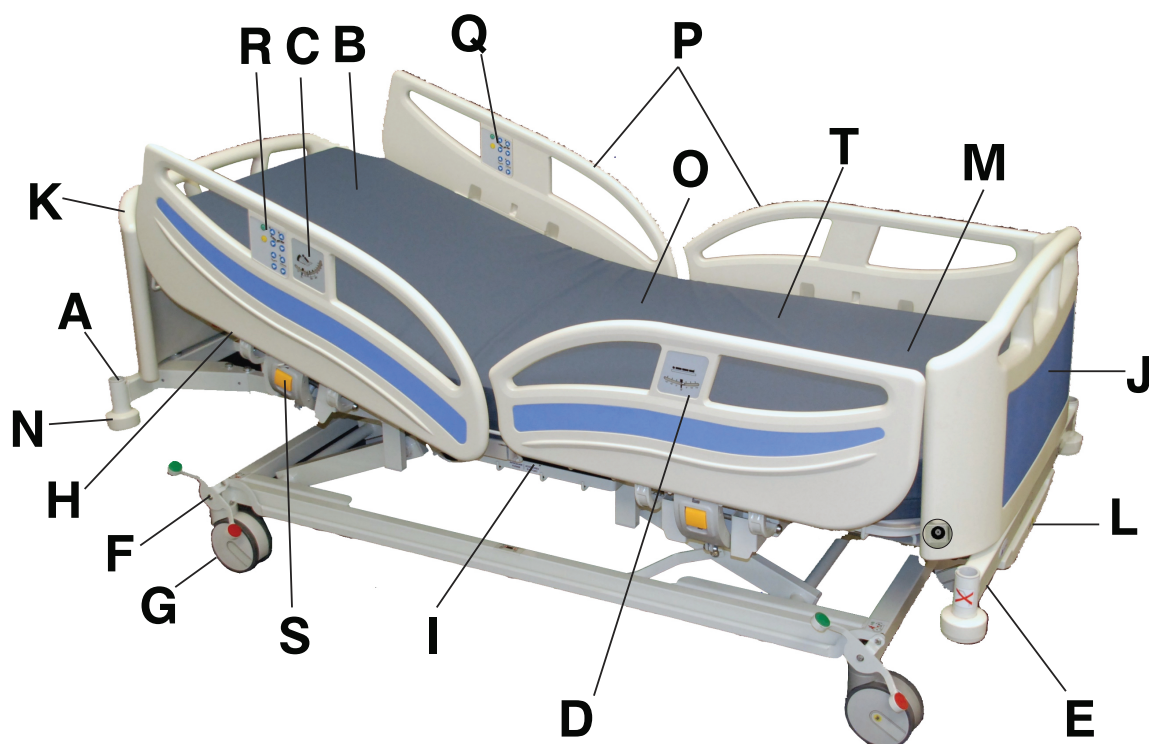


CAUTION

- To minimize the risk of any electromagnetic interference, the product design follows the standard IEC 60601-1-2. To avoid problems, use the bed in accordance with the EMC/EMI requirements in the EMC section of this operations manual.
- Portable and mobile RF communications equipment can produce electromagnetic interference with SV1. To prevent interference caused by portable and mobile RF communications equipment, maintain a minimum distance between portable and mobile communications equipment and SV1 according to the EMC section of this operations manual.

Introduction

Product illustration



A	Accessory sleeve	L	Linen tray (option)
B	Backrest	M	Lower leg section
C	Backrest indicator	N	Roller bumper
D	Bed angle indicator	O	Seat section
E	Bed extender (option)	P	Siderails
F	Brake/steer pedal	Q	Siderail control panel (Inside siderail) (option)
G	Casters (Dual-wheel casters optional)	R	Siderail control panel (Outside siderail) (option)
H	CPR release	S	Siderail latch
I	Foley hooks	T	Upper leg section
J	Footboard		Nurse control pendant (not shown)
K	Headboard		Patient control pendant (option) (not shown)

Introduction

Contact information

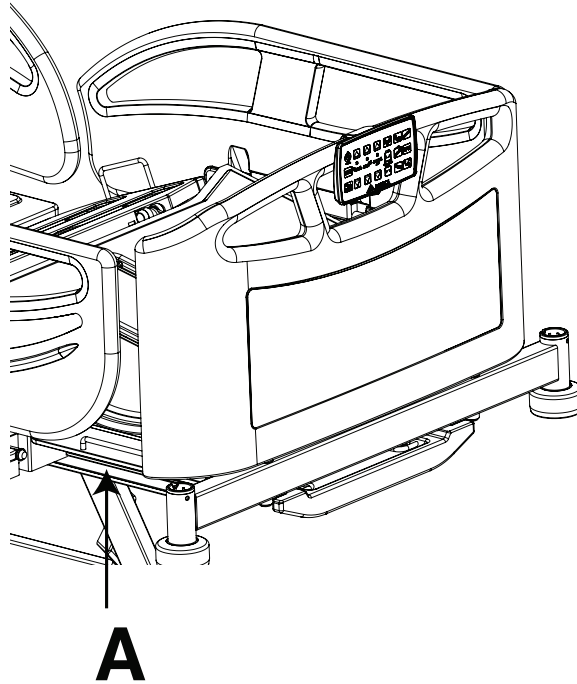
Contact your Stryker Customer Service:

Stryker Medical International
Kayseri Serbest Bölge Şubesi
2. Cad. No:17 38070
Kayseri, Turkey

E-mail :	infosmi@stryker.com
Phone :	+ 90 (352) 321 43 00 (pbx)
Fax:	+ 90 (352) 321 43 03
	www.mukametal.com

Have the serial number (A) of your product available. Include the serial number in all written communication.

Serial number location



Cleaning

Preparing the product for cleaning

Cleaning and disinfecting are two separate processes. Clean before disinfecting to make sure that the cleaning agent is effective.

To prepare the product for cleaning:

1. Raise the litter to its highest height.
2. Lock the siderail control panel and patient control pendant functions.
3. Unplug the power cord from the wall outlet.
4. Store the power cord.
5. Apply the brakes.
6. Remove the mattress.

Cleaning



WARNING

- Do not clean, service, or perform maintenance while the product is in use.
 - Always power off and unplug the power cord before cleaning, servicing, or performing maintenance.
 - Always power off the product and unplug the power cord from the wall outlet when large spills occur near the circuit boards, cables, and motors. Remove the patient from the product, clean up the fluid, and have service personnel inspect the product. Fluids can cause unpredictable operation and decreased functionality of any electrical product. Do not return the product to service until it is completely dry and has been thoroughly tested for safe operation.
 - Do not spray cleaners directly onto the battery, control boxes, actuators, cables, or other electric equipment.
 - Do not use abrasive powder, steel wool, or similar materials that may damage the product surface.
 - Do not use **Virex**® TB for product disinfecting.
 - Do not use acid-based chemicals or flammable chemicals, such as gasoline, diesel, or acetone for cleaning purposes.
 - Do not directly spray or saturate the siderail control panel, patient control pendant, or nurse control pendant with cleaners.
-



CAUTION

- Do not steam clean, pressure wash, ultrasonically clean, or immerse any part of the product in water. Exposure to water may damage the internal electric parts. These methods of cleaning are not recommended and may void this product's warranty.
 - Always make sure that you wipe each product with clean water and thoroughly dry each product after cleaning. Some cleaning products are corrosive in nature and may cause damage to the product if you use them improperly. If you do not properly rinse and dry the product, you may leave a corrosive residue on the surface of the product that could cause premature corrosion of critical components. Failure to follow these cleaning instructions may void your warranty.
-

To clean product surfaces:

1. Using a clean, soft, damp cloth, wipe product surfaces with a mild soap and water solution to remove foreign material.
2. Wipe product surfaces with a clean, dry cloth to remove any excess liquid or cleaning agent.
3. Dry thoroughly.

Cleaning

Cleaning the siderails



WARNING

- Do not directly spray or saturate the siderail control panel, patient control pendant, or nurse control pendant with cleaners.
 - Do not use sharp objects to clean the siderail control panel.
 - Do not use abrasive powder, steel wool, or similar materials that may damage the product surface.
 - Do not use **Virex® TB** for product cleaning.
 - Do not use acid-based chemicals or flammable chemicals, such as gasoline, diesel, or acetone for cleaning purposes.
-

To clean the siderails:

1. Raise the siderail.
2. Latch the siderail.
3. Use a clean, soft, damp cloth to wipe down the siderail and the siderail control panel.
4. Allow the siderail control panel to dry thoroughly.

Disinfecting

Suggested disinfectants:

- Quaternary cleaners without glycol ethers (active ingredient - ammonium chloride)
- Phenolic cleaners (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% - less than 1 part bleach to 100 parts water)
- 70% Isopropyl alcohol

Always follow the disinfectant's instructions for appropriate contact time and rinsing requirements.

Avoid oversaturation and make sure that the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.

To disinfect the product:

1. Thoroughly clean and dry the product before you apply disinfectants.
2. Apply recommended disinfectant solution by spray or pre-soaked wipes
Note: Make sure that you follow the disinfectant's instructions for appropriate contact time and rinsing requirements.
3. To disinfect mechanisms, lift the backrest and leg rest up to the highest height.
4. Wipe product surfaces and mechanisms with a clean, dry cloth to remove any excess liquid or cleaning agent.
5. Allow the product to dry completely before returning to service.

Preventive maintenance

At a minimum, check all items listed during annual preventive maintenance for all Stryker Medical products. You may need to perform preventive maintenance checks more frequently based on your level of product usage.

Remove product from service before performing preventive maintenance. Preventive maintenance should only be performed by trained or certified personnel. See the maintenance manual for servicing and maintenance instructions.

Inspect the following items:

- _____ All welds and all fasteners are secure
- _____ Tubing or sheet metal for bends or breaks
- _____ Casters are free of debris
- _____ Casters are secure and swivel
- _____ Casters lock securely by depressing the brake pedal
- _____ Locking steer caster applies and releases
- _____ Steer pedal latches
- _____ Backrest operates
- _____ Litter up and down operates
- _____ Trendelenburg and Reverse Trendelenburg operates
- _____ IV pole is intact and operating (optional)
- _____ Accessory sleeves are not damaged or cracked
- _____ Bed extender extends and locks (option)
- _____ Headboard, footboard, and siderail panels for cracks or splits
- _____ All covers are not damaged and do not have sharp edges
- _____ Radiolucent backrest is clean and not cracked (option)
- _____ Cassette holder is clean and not cracked (option)
- _____ Underbed light operates
- _____ CPR release operates
- _____ Siderails move, latch, and stow
- _____ All functionality on all control panels
- _____ Batteries for replacement
- _____ Batteries for corrosion at the terminals, cracking, expanded or bulging at the sides, or can no longer maintain a full charge
- _____ Lower leg section moves, latches, and stows
- _____ Pendants for any physical damage
- _____ Power cord not worn or frayed
- _____ Cables not worn or pinched
- _____ All electrical connections tight
- _____ All grounds secure to the frame
- _____ Ground Impedance Check ($\leq 0.2 \text{ Ohm}$)
- _____ Leakage current: Normal Polarity, No Ground, L2 Active ($\leq 300 \text{ } \mu\text{A}$)
- _____ Leakage current: Normal Polarity, No Ground, No L2 ($\leq 600 \text{ } \mu\text{A}$)
- _____ Leakage current: Reverse Polarity, No Ground, L2 Active ($\leq 300 \text{ } \mu\text{A}$)
- _____ Leakage current: Reverse Polarity, no Ground, No L2 ($\leq 600 \text{ } \mu\text{A}$)
- _____ Enclosure is free from wear, tear, stresses and mechanical damage
- _____ High potential test 1500 VAC (trip current not more than 10 mA)
- _____ No rust or corrosion of parts
- _____ Control boxes are not damaged or cracked
- _____ Actuator functionality
- _____ Labels for legibility, proper adherence, and integrity

Preventive maintenance

Product serial number:
Completed by:
Date:

Quick reference replacement parts

These parts are currently available for purchase. Call Stryker Customer Service: 1-800-327-0770 for availability and pricing.

Name	Number
Chassis, upper backrest	YM-008-013-LM-BY
Chassis, upper chassis leg rest	YM-007-006-BY
Chassis, upper middle	YM-006-003-BY
Control unit, siderail	HM-17-310 HM-17-311
CPR handle	HM-02-13
IV pole height adjustment plastics, kit	HM-20-127
IV pole bottle holder plastics, kit	HM-20-128
Multi junction box (MJB)	HM-17-156 HM-17-183
Release wire	HM-20-206

Kit name	Number	Kit contents		
		Number	Name	Quantity
Actuator kit, fowler (backrest), see Fowler (backrest) actuator on page 80	YM-KIT-100006	HM-11-03	10 mm snap ring DIN 471	2
		HM-12-FTR004	12-FTR004 10 x 53 actuator pin	2
		HM-17-248	312887-00 future LB release backrest actuator Linak type	1
		HM-17-184	0961006-B high/low actuator snap ring	1
Actuator kit, gatch (legrest), see Gatch (legrest) actuator on page 81	YM-KIT-100007	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	2
		HM-11-03	10 mm snap ring DIN 471	3
		HM-12-FTR004	12-FTR004 10 x 53 actuator pin	1
		HM-12-FTR006	12-FTR006 calf pin	1
		HM-17-249	J04257 future LB legrest actuator Linak type	1
		YM-HM-02-285	7 mm PLS washer (10 mm thick washer new type)	2
		YM-HM-02-287	10*14 mm PLS washer mould NO 36	2

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Actuator kit, lift, see Hi-Lo actuators on page 73	YM-KIT-100008	HM-11-03	10 mm snap ring DIN 471	2
		HM-12-112	12-112 Ø10 x 39.5 mm stepped pin	1
		HM-12-FTR004	12-FTR004 10 x 53 actuator pin	1
		HM-17-100	J03648 (31410H +1115004K CB16 Linak high/low actuator)	1
		HM-17-184	0961006-B high/low actuator snap ring	1
Battery replacement kit, see Control box and battery on page 74	YM-KIT-100001	HM-05-043	M5*20 imbus bolt	4
		HM-07-22	M6 iron washer (small)	4
		HM-08-04	M5 fibered nut	4
		HM-16-03	Ø25 clips (UB250C-N 245X4, cable connector)	2
		HM-17-16	BA1812-1300-000 Linak CB6 battery	1
Brake pedal replacement kit, see Brake system on page 64	YM-KIT-100037	HM-05-135	6*20 steel bolt	1
		HM-07-22	M6 iron washer (small)	1
		HM-08-05	M6 fibered nut	1
		HM-11-10	11 mm snap ring (lipper) KMS starlock push on BV/6706 fastener	1
		HM-11-20	Q11 capped snap ring DT/6673/44A	2
		HM-12-905	Transfer laser cut part bushing (bronz)	1
		YM-FUTURELBPDL-001-BY	Future LB pedal white	1
		YM-HM-02-62	Red brake rubber MKA062 DMR062	1
		YM-HM-02-63	Green brake rubber MKA063 DMR063	1
		YM-HM-02-71	12 thick PLS washer DMR071	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Caster kit, dual wheel non steer (150 mm), see Brake system on page 64	YM-KIT-100004	HM-01-26	2946UAP150R36-32S30 D RAL 9002 4XM6 TENTE 150 mm double lockable caster (Stryker)	1
		HM-05-106	M6*16 imbus bolt	2
		HM-09-04	6 mm serrated washer (ring) DIN 6798	2
		HM-11-10	11 mm snap ring (lipper) KMS starlock push on BV/6706 fastener	2
		HM-11-20	Q11 capped snap ring DT/6673/44A	2
		YM-HM-02-71	12 thick PLS washer DMR071	2
		YM-HM-02-299	50*50 caster profile cap PLS (lower chasis PLS) 51 mould	1
Caster kit, dual wheel steer (150 mm), see Brake system on page 64	YM-KIT-100003	HM-01-25	2944USP150R36-32S30 D RAL 9002 4XM6 TENTE 150 mm double directional caster (Stryker)	1
		HM-05-106	M6*16 imbus bolt	2
		HM-09-04	6 mm serrated washer (ring) DIN 6798	2
		HM-11-10	11 mm snap ring (lipper) KMS starlock push on BV/6706 fastener	2
		HM-11-20	Q11 capped snap ring DT/6673/44A	2
		YM-HM-02-71	12 thick PLS washer DMR071	2
		YM-HM-02-299	50*50 caster profile cap PLS (lower chasis PLS) 51 mould	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Caster kit, single wheel direction lock, see Brake system on page 64	YM-KIT-100011	HM-01-55	2044XSX150R36-32S30 150 mm directional single integral antistatic caster	1
		HM-05-106	M6*16 imbus bolt	2
		HM-09-04	6 mm serrated washer (ring) DIN 6798	2
		HM-11-10	11 mm snap ring (lipper) KMS starlock push on BV/6706 fastener	2
		HM-11-20	Q11 capped snap ring DT/6673/44A	2
		YM-HM-02-71	12 thick PLS washer DMR071	2
		YM-HM-02-299	50*50 caster profile cap PLS (lower chasis PLS) 51 mould	1
Caster kit, single wheel standard, see Brake system on page 64	YM-KIT-100012	HM-01-54	2046UAP150R36-32S30 150 mm lockable single integral caster	1
		HM-05-106	M6*16 imbus bolt	2
		HM-09-04	6 mm serrated washer (ring) DIN 6798	2
		HM-11-10	11 mm snap ring (lipper) KMS starlock push on BV/6706 fastener	2
		HM-11-20	Q11 capped snap ring DT/6673/44A	2
		YM-HM-02-71	12 thick PLS washer DMR071	2
		YM-HM-02-299	50*50 caster profile cap PLS (lower chasis PLS) 51 mould	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Control box replacement kit, see Control box and battery on page 74	YM-KIT-100002	HM-05-010	M6*50 steel bolt	1
		HM-07-01	M6 metal standard washer (large) 1/4 washer	2
		HM-08-05	M6 fibered nut	1
		HM-17-373	QFUTURE LB CB6 control box new type system (CB6S674 +X4409) CB6663-00 100-240 volt	1
Footboard kit with logo, dark blue, see Headboard and footboard assembly on page 87	YM-KIT-100033	YM-FTRBASLIK-MN1	Future polypropylene bed head and foot assembly	1
		HM-20-850	Dark blue (Stryker) foot end bed head color sticker with Stryker logo	1
Headboard kit, dark blue, see Headboard and footboard assembly on page 87	YM-KIT-100005-B	YM-FTRBASLIK-MN1	Future polypropylene head and foot assembly	1
		HM-20-851	Dark blue (Stryker) head color sticker	1
Headboard kit, dark wood, see Headboard and footboard assembly on page 87	YM-KIT-100005-D	YM-FTRBASLIK-MN1	Future polypropylene head and foot assembly	1
		HM-20-763	08 dark wood future bed head color	1
Headboard kit, light wood, see Headboard and footboard assembly on page 87	YM-KIT-100005-L	YM-FTRBASLIK-MN1	Future polypropylene head and foot assembly	1
		HM-20-753	06 light wood future bed head color	1
Headboard kit, wood, see Headboard and footboard assembly on page 87	YM-KIT-100005-W	YM-FTRBASLIK-MN1	Future polypropylene head and foot assembly	1
		HM-20-758	07 wood color future bed head color	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Label kit, dark blue	YM-KIT-100032	HM-20-850	Dark blue (Stryker) foot end bed head color sticker with Stryker logo	1
		HM-20-851	Dark blue (Stryker) head color sticker	1
		HM-20-852	Dark blue (Stryker) upper right siderail color sticker	1
		HM-20-853	Dark blue (Stryker) upper left siderail color sticker	1
		HM-20-854	Dark blue (Stryker) lower right siderail color sticker	1
		HM-20-855	Dark blue (Stryker) lower left siderail color sticker	1
		HM-22-1780	3M primer 94 handkerchief	6
Label kit, dark wood	YM-KIT-100036	HM-20-759	08 dark wood future siderail color, back right	1
		HM-20-760	08 dark wood future siderail color, back left	1
		HM-20-761	08 dark wood future siderail color, foot right	1
		HM-20-762	08 dark wood future siderail color, foot left	1
		HM-20-763	08 dark wood future bed head color	2
		HM-22-1780	3M primer 94 handkerchief	6

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Label kit, light wood	YM-KIT-100034	HM-20-749	06 light wood future siderail color, back right	1
		HM-20-750	06 light wood future siderail color, back left	1
		HM-20-751	06 light wood future siderail color, foot right	1
		HM-20-752	06 light wood future siderail color, foot left	1
		HM-20-753	06 light wood future bed head color	2
		HM-22-1780	3M primer 94 handkerchief	6
Label kit, wood	YM-KIT-100035	HM-20-754	07 wood color future siderail color, back right	1
		HM-20-755	07 wood color future siderail color, back left	1
		HM-20-756	07 wood color future siderail color, foot right	1
		HM-20-757	07 wood color future siderail color, foot left	1
		HM-20-758	07 wood color future bed head color	2
		HM-22-1780	3M primer 94 handkerchief	6
Nurse control pendant kit	YM-KIT-100017	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-103	0964541 Linak supervisor spiral cable	1
		HM-17-175	AC0062-00_SV1/CL Stryker logo nurse control unit (supervisor)	1
		HM-17-186	00911045 ACO snap ring	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Power cord replacement kit, type B	YM-KIT-100019	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-225	912151-B black energy cable (Stryker) B type cable	1
Power cord replacement kit, type D	YM-KIT-100020	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-011	D type energy cable (SML912420-A)	1
Power cord replacement kit, type E-F	YM-KIT-100021	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-104	0015832-A LB and CL E/F type energy cable	1
Power cord replacement kit, type G	YM-KIT-100022	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-013	G type energy cable (SML912416-B)	1
Power cord replacement kit, type I (Argentina)	YM-KIT-100023	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-226	0015972-A Argentina energy cable Linak I type cable	1
Power cord replacement kit, type I (AUS/NZ)	YM-KIT-100024	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-012	I type energy cable (SML912417-A)	1
Power cord replacement kit, type J	YM-KIT-100025	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-015	J type energy cable (SML912441-A)	1
Power cord replacement kit, type K	YM-KIT-100026	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-010	K type energy cable (SML912419-A)	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Power cord replacement kit, type L	YM-KIT-100027	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-227	0015971-A Chile type energy cable Linak L type cable	1
Power cord replacement kit, type M	YM-KIT-100028	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-014	M type energy cable (SML912418-A)	1
Power cord replacement kit, type N	YM-KIT-100029	HM-16-03	Ø25 clips (UB250C-N 245X4, 6 cable connector)	5
		HM-17-228	0015973-A Brazil energy cable Linak N type cable	1
Roller bumper replacement kit, see Bumper roller assembly on page 70	YM-KIT-100009	HM-02-354	Future bumper	1
		HM-11-26	5 mm C shape snap ring DIN 6799	1
		HM-12-FTR001	12-FT001 future bumper pin	1
Backrest siderail gas cylinder kit, see Siderail assembly on page 84	YM-KIT-100010	HM-11-18	Q8 capped snap ring (DT/6671/43A)	2
		HM-12-146	12-146 8 x 31 mm side rail pin	1
		HM-18-27	Future side rail shock absorber 640015004	1
		HM-05-018	M8*90 half thread steel bolt	1
		YM-HM-02-418	Future side rail shock absorber PLS	2
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-557	Ø15 clips	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, foot end left, dark blue, see Siderail foot end assembly on page 85	YM-KIT-100013-B	YM-02-142-MN	Left foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-855	Dark blue (Stryker) lower left siderail color sticker	1
Siderail kit, foot end left, dark wood, see Siderail foot end assembly on page 85	YM-KIT-100013-D	YM-02-142-MN	Left foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-762	08 dark wood future siderail color foot left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, foot end left, light wood, see Siderail foot end assembly on page 85	YM-KIT-100013-L	YM-02-142-MN	Left foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-752	06 light wood future siderail color foot left	1
Siderail kit, foot end left, wood, see Siderail foot end assembly on page 85	YM-KIT-100013-W	YM-02-142-MN	Left foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-757	07 wood color future siderail color foot left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, foot end right, dark blue, see Siderail foot end assembly on page 85	YM-KIT-100014-B	YM-02-144-MN	Right foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-854	Dark blue (Stryker) lower right siderail color sticker	1
Siderail kit, foot end right, dark wood, see Siderail foot end assembly on page 85	YM-KIT-100014-D	YM-02-144-MN	Right foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-761	08 dark wood future siderail color foot right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, foot end right, light wood, see Siderail foot end assembly on page 85	YM-KIT-100014-L	YM-02-144-MN	Right foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-751	06 light wood future siderail color foot right	1
Siderail kit, foot end right, wood, see Siderail foot end assembly on page 85	YM-KIT-100014-W	YM-02-144-MN	Right foot siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-12-FTR005	12-FTR005 shock absorber connection pin	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	6
		HM-11-05	6 mm C shape snap ring DIN 6799	1
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		HM-20-756	07 wood color future siderail color foot right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left, dark blue, see Siderail head end assembly on page 82	YM-KIT-100015-B	YM-02-141-MN1	Back left siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-853	Dark blue (Stryker) upper left siderail color sticker	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left, dark wood, see Siderail head end assembly on page 82	YM-KIT-100015-D	YM-02-141-MN1	Back left siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-760	08 dark wood future siderail color back left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left, light wood, see Siderail head end assembly on page 82	YM-KIT-100015-L	YM-02-141-MN1	Back left siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-750	06 light wood future siderail color back left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left, wood, see Siderail head end assembly on page 82	YM-KIT-100015-W	YM-02-141-MN1	Back left siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-755	07 wood color future siderail color back left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right, dark blue, see Siderail head end assembly on page 82	YM-KIT-100016-B	YM-02-143-MN1	Back right siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-852	Dark blue (Stryker) upper right siderail color sticker	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right, dark wood, see Siderail head end assembly on page 82	YM-KIT-100016-D	YM-02-143-MN1	Back right siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-759	08 dark wood future siderail color back right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right, light wood, see Siderail head end assembly on page 82	YM-KIT-100016-L	YM-02-143-MN1	Back right siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-749	06 light wood future siderail color back right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right, wood, see Siderail head end assembly on page 82	YM-KIT-100016-W	YM-02-143-MN1	Back right siderail assembly with unit	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-20-557	Ø15 clips	5
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-754	07 wood color future siderail color back right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left W/O patient control pendant, dark blue, see Siderail head end assembly on page 82	YM-KIT-100030-B	YM-02-141-MN	Back left siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-853	Dark blue (Stryker) upper left siderail color sticker	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left W/O patient control pendant, dark wood, see Siderail head end assembly on page 82	YM-KIT-100030-D	YM-02-141-MN	Back left siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-760	08 dark wood future siderail color back left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left W/O patient control pendant, light wood, see Siderail head end assembly on page 82	YM-KIT-100030-L	YM-02-141-MN	Back left siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-750	06 light wood future siderail color back left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end left W/O patient control pendant, wood, see Siderail head end assembly on page 82	YM-KIT-100030-W	YM-02-141-MN	Back left siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-755	07 wood color future siderail color back left	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right W/O patient control pendant, dark blue, see Siderail head end assembly on page 82	YM-KIT-100031-B	YM-02-143-MN	Right back siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-852	Dark blue (Stryker) upper right siderail color sticker	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right W/O patient control pendant, dark wood, see Siderail head end assembly on page 82	YM-KIT-100031-D	YM-02-143-MN	Right back siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-759	08 dark wood future siderail color back right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right W/O patient control pendant, light wood, see Siderail head end assembly on page 82	YM-KIT-100031-L	YM-02-143-MN	Right back siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-749	06 light wood future siderail color back right	1

Quick reference replacement parts

Kit name	Number	Kit contents		
		Number	Name	Quantity
Siderail kit, head end right W/O patient control pendant, wood, see Siderail head end assembly on page 82	YM-KIT-100031-W	YM-02-143-MN	Right back siderail assembly	1
		HM-22-1780	3M primer 94 handkerchief	1
		HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4
		HM-11-19	Q10 capped snap ring (DT/6668/44A)	4
		HM-12-144	12-144 10 x 128 mm siderail pin	1
		HM-12-145	12-145 10 x 305 mm siderail pin	1
		YM-HM-02-418	Future siderail shock absorber PLS	2
		HM-05-018	M8*90 half thread steel bolt	1
		HM-07-03	M8 iron washer	2
		HM-08-06	M8 fibered nut	1
		HM-20-754	07 wood color future siderail color back right	1

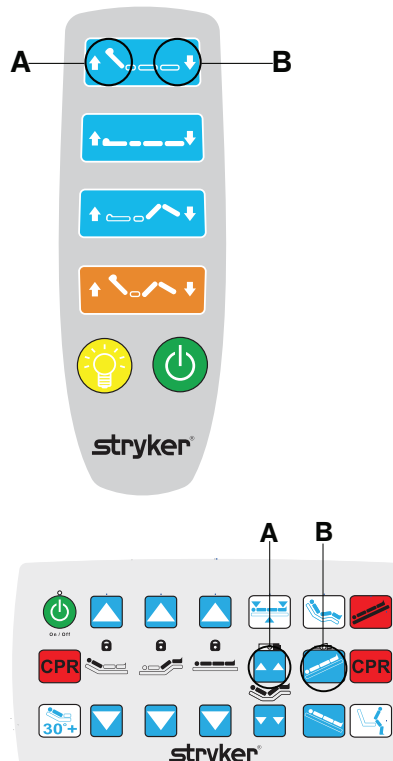
Troubleshooting

Problem	Possible Cause	Solution
Bed does not operate	<ol style="list-style-type: none"> 1. Power cable does not plug to the mains. 2. Power cable is damaged. 3. Nurse control unit or hand control unit may be locked. 4. Control box does not operate 	<ol style="list-style-type: none"> 1. Ensure power cable and plug are not damaged and then plug the power cable to the mains. 2. Replace the power cable by the authorized service personnel. 3. Nurse control Unit activation button should be checked. (On-off). Inspect the nurse control unit or hand control unit and make sure they are not locked. 4. Control box should be replaced, call the technical service.
When the system operates, one of the actuators does not operate and control box gives a click sound	<ol style="list-style-type: none"> 1. Actuator cable may be out of the control box socket. 2. Actuator cable is damaged. 3. Actuator is damaged; 4. CPR wire remains stuck; 5. Control box is damaged. 	<ol style="list-style-type: none"> 1. Check socket connections of the control box. 2. Actuator cable should be replaced, call the service center. 3. Actuator should be replaced, call the service center. 4. Inspect CPR wire and nut adjustment. 5. Control box should be replaced, call the service center.
When the system operates, one of the actuators does not operate and control box does not give a click sound	<ol style="list-style-type: none"> 1. Nurse control unit or hand control unit may be partly locked. 2. Control unit is damaged, 3. Control box is damaged. 	<ol style="list-style-type: none"> 1. Inspect nurse control unit or hand control and make sure they are not locked. 2. Unplug side rail control unit from the socket and check for function with the nurse control unit. If function is restored, there may be a problem with one of the control units. Call technical service. 3. Control box should be replaced, call the service center.
Battery is possibly discharged and does not give click sound:	<ol style="list-style-type: none"> 1. Battery is completely discharged 2. Battery is damaged or expired. 	<ol style="list-style-type: none"> 1. Recharge the battery. 2. Battery should be replaced, call the service center.

Troubleshooting

Problem	Possible Cause	Solution
System operates but actuators move slowly:	Power is possibly disconnected and the bed operates by battery.	<ol style="list-style-type: none">1. Power cable might have come out of the control panel; check it.2. Check the connections of the power cable.3. Check the socket.4. Recharge the battery, call the service center.
Control box beeps while actuators are raised and actuators will not move in the downward direction:	Control box actuator position reference has been lost.	<ol style="list-style-type: none">1. Unplug the power cord and turn off the battery.2. Plug in the power cord and turn on the battery.3. Run each upper actuator to its highest position.

Troubleshooting

Problem	Possible Cause	Solution
<p>Failure Mode :</p> <p>Bed does not operate due to actuator failure or power request error. When a failure mode occurs and a key is activated the system will beep quickly, and if LEDs are used for locking functions on Nurse Control Unit, these will blink quickly, except when powering down on battery.</p> <p>Failure indications:</p> <p>1) All Nurse Control Unit LEDs are blinking.</p> <p>2) The CB6 buzzer beeps quickly if the handset is activated.</p>	<ol style="list-style-type: none"> 1. Actuator cables are unplugged. 2. Electrical short in a control cable (cable of control units or actuators). 3. If a function is activated but the actuator configuration doesn't support the function. 4. Switch has failed in an actuator. 5. Control pendant (nurse or patient) or siderail control panel has failed. 6. Control box has failed. 	<ol style="list-style-type: none"> 1. Reset the failure mode. 2. Press and hold the Backrest up (A) and Backrest down (B) buttons at the same time on the patient control pendant, or Autocontour up (A) and Trendelenburg (B) buttons at the same time on the nurse control pendant for five seconds. 3. After five seconds, you will hear a buzzer. 4. Keep pressing buttons until the buzzer stops. 5. LEDs will stop blinking. 6. Press the CPR button in to zero all the actuators. 7. Failure mode does not result in a position lost. Make sure that the system is in a safe position after resetting the failure mode. 8. Continue to troubleshoot through possible causes until corrected. <div style="text-align: center;">  </div>

Fowler (backrest) actuator replacement

Tools required:

- Small flat screwdriver
- Snap ring pliers (small)

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using a small flat screwdriver, push in both locking tabs to remove the cable retainer on the fowler (backrest) actuator electrical quick connector.
5. Unplug the connector.
6. Using snap ring pliers, remove and discard the retaining ring (B) (Figure 2 on page 48) on each clevis pin.

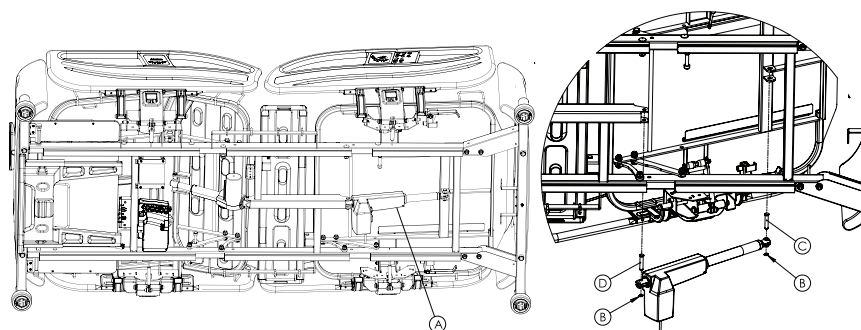


Figure 2: Fowler (backrest) actuator

7. Using one hand, support the fowler (backrest) actuator (A) and remove the head end clevis pin (C) (Figure 2 on page 48) and allow the fowler (backrest) actuator to pivot down.
8. Using one hand, support the fowler (backrest) actuator and remove the foot end clevis pin (D) (Figure 2 on page 48) and lower the fowler (backrest) actuator down.
9. Using one hand to support the fowler (backrest) actuator and a small flat screwdriver, gently push in on both locking tabs to remove the cable retainer on the CPR cable mechanism on the fowler (backrest) actuator.
10. Remove and discard the fowler (backrest) actuator.
11. Reverse steps to reinstall.
12. Verify proper operation of the product before returning it to service.

Gatch (legrest) actuator replacement

Tools required:

- Small flat screwdriver
- Snap ring pliers (small)
- Diagonal pliers

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Remove the three cable routing covers that secures the gatch (legrest) actuator cable to the litter.

Gatch (legrest) actuator replacement (Continued)

5. Using diagonal pliers, cut the cable tie that secures all of the actuator cables together.
6. Discard the cable tie.
7. Using a small flat screwdriver, push in on the cable retainer clips on the controller to release the retainer.
8. Unplug the gatch (legrest) actuator cable to allow the removal of the gatch (legrest) actuator (A).
9. Using snap ring pliers, remove and discard the retaining rings (B) (Figure 3 on page 49) from the foot end clevis pin. Remove and discard the retaining ring on the head end clevis pin.

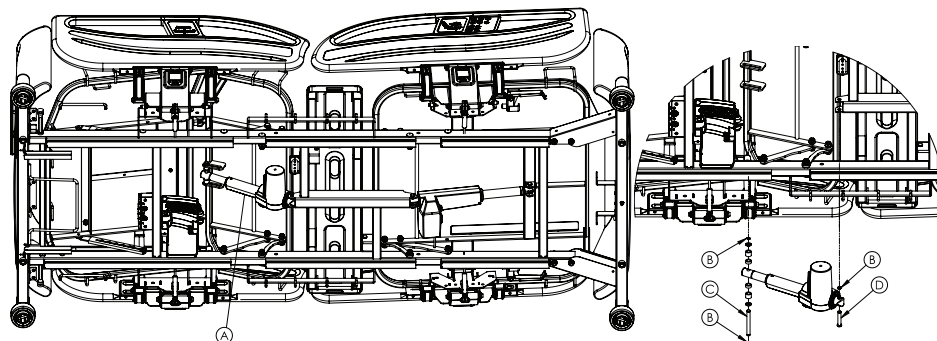


Figure 3: Gatch (legrest) actuator

10. Using one hand, support the gatch (legrest) actuator and remove the foot end clevis pin (C) (Figure 3 on page 49) and spacers then allow the gatch (legrest) actuator to pivot down.
11. Using one hand, support the gatch (legrest) actuator and remove the head end clevis pin (D) (Figure 3 on page 49).
12. Remove and discard the gatch (legrest) actuator.
13. Reverse steps to reinstall.
14. Verify proper operation of the product before returning it to service.

Head end lift actuator replacement

Tools required:

- Small flat screwdriver
- 90 Degree snap ring pliers (small)
- Diagonal pliers

Procedure:

1. Apply the brakes.
2. Support the head end litter cross brace (A) to support the head end litter (Figure 4 on page 50).
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using diagonal pliers, cut the cable tie that secures the head end lift actuator cable.
5. Discard the cable tie.
6. Using a small flat screwdriver, gently push in both locking tabs to remove the cable retainer on the head end lift actuator electrical connector.
7. Unplug the connector.
8. Using snap ring pliers, remove and discard the retaining ring (C) on each clevis pin (Figure 4 on page 50).
9. Using one hand, support the head end lift actuator and remove the head end clevis pin (D) then allow the head end lift actuator (B) to pivot down (Figure 4 on page 50).
10. Using one hand, support the head end lift actuator and remove the foot end clevis pin (E) (Figure 4 on page 50).
11. Remove and discard the head end lift actuator.
12. Reverse steps to reinstall.

Head end lift actuator replacement (Continued)

13. Verify proper operation of the product before returning it to service.

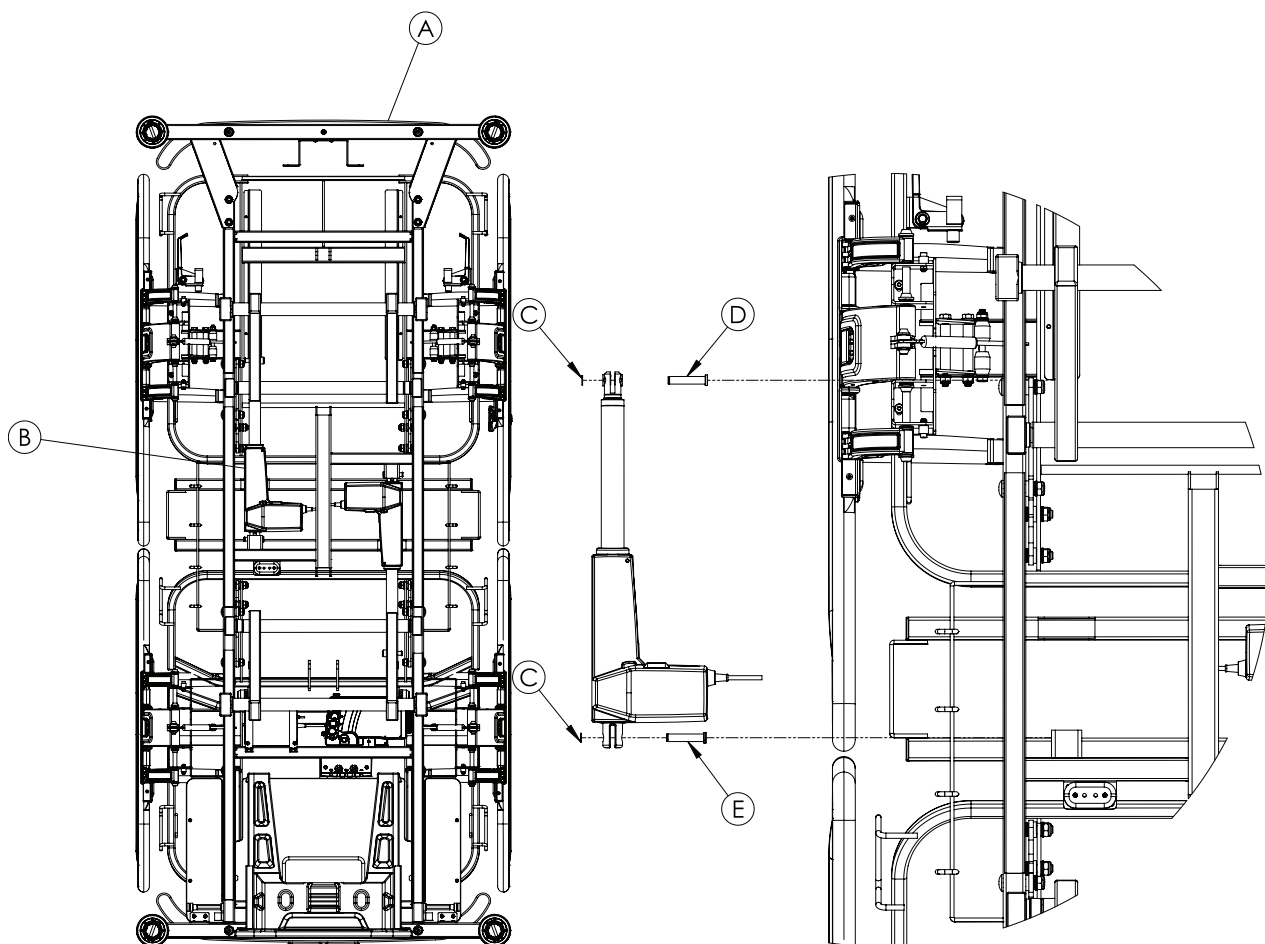


Figure 4: Head end lift actuator

Foot end lift actuator replacement

Tools required:

- Small flat screwdriver
- 90 Degree snap ring pliers (small)
- Diagonal pliers

Procedure:

1. Apply the brakes.
2. Support the foot end litter cross brace (F) to support the foot end litter ([Figure 5 on page 51](#)).
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using diagonal pliers, cut the cable tie that secures the foot end lift actuator cable.
5. Discard the cable tie.
6. Using a small flat screwdriver, gently push in both locking tabs to remove the cable retainer on the foot end lift actuator electrical connector.

Foot end lift actuator replacement (Continued)

7. Unplug the connector.
8. Using snap ring pliers, remove and discard the retaining ring (C) on each clevis pin (Figure 5 on page 51).
9. Using one hand, support the foot end lift actuator and remove the foot end clevis pin (E) then allow the foot end lift actuator (B) to pivot down (Figure 5 on page 51).
10. Using one hand, support the foot end lift actuator and remove the head end clevis pin (D) (Figure 5 on page 51).
11. Remove and discard the foot end lift actuator.
12. Reverse steps to reinstall.
13. Verify proper operation of the product before returning it to service.

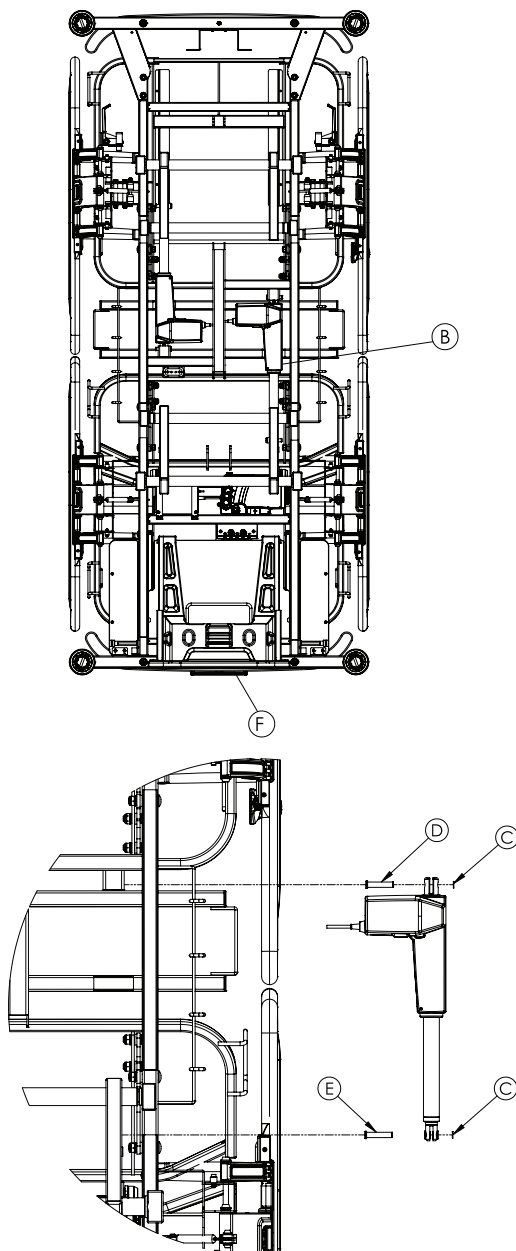


Figure 5: Foot end lift actuator

Non-steer caster replacement

Tools required:

- Large flat screwdriver
- Hammer
- Floor jack (small)
- 3/8 in. drive ratchet
- 13 mm socket
- 13 mm combination wrench
- 5 mm hex wrench

Procedure:

1. Put the brake in the neutral position.



CAUTION

With the brake in the neutral position, the product could move.

2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using a 3/8 in. drive ratchet and 13 mm socket with a 13 mm combination wrench, remove and save the bolts (A) and nuts (B) on both sides of the brake pedal linkage of the non-steer caster ([Figure 6 on page 53](#)).
5. Using a 5 mm hex wrench, remove and save the two screws (C) that secures the non-steer caster to the base frame ([Figure 6 on page 53](#)).
6. Using a large flat screwdriver and a hammer, remove and discard the push nut (E) and washer (D) on the side of the non-steer caster ([Figure 6 on page 53](#)).
7. Remove the brake/steer pedal (F) ([Figure 6 on page 53](#)).
8. Use a small floor jack to lift the base frame cross tube to loosen the non-steer caster.
9. Grasp the opposite brake/steer pedal and pull outward about eight inches to remove and discard the non-steer caster.
10. Reverse steps to reinstall.



WARNING

Always make sure to line the hex shaft with the hex in the caster. Test the caster to identify the direction of the brake. Damage may occur if you install the caster incorrectly.

11. Verify proper operation of the product before returning it to service.

Non-steer caster replacement (Continued)

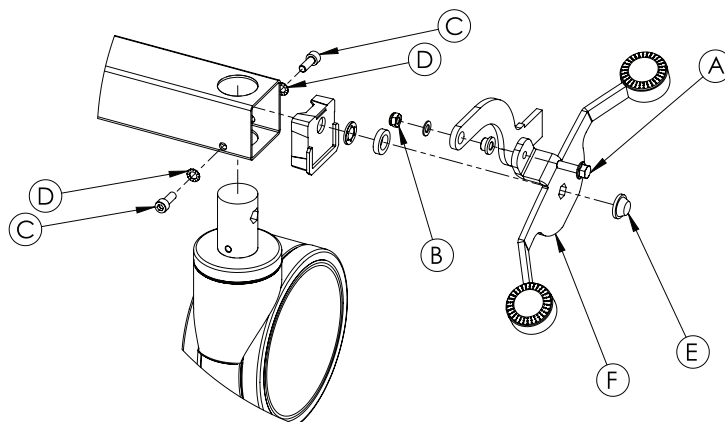


Figure 6: Non-steer caster

Steer (head left) caster replacement

Tools required:

- Large flat screwdriver
- Hammer
- Floor jack (small)
- 3/8 in. drive ratchet
- 13 mm socket
- 13 mm combination wrench
- 5 mm hex wrench

Procedure:

1. Put the brake in the neutral position.

CAUTION

With the brake in the neutral position, the product could move.

2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using a 3/8 in. drive ratchet and 13 mm socket with a 13 mm combination wrench, remove and save the bolts (A) and nuts (B) on both sides of the brake pedal linkage of the head left steer caster ([Figure 7 on page 54](#)).
5. Using a 5 mm hex wrench, remove and save the two screws (C) that secures the head left steer caster to the base frame ([Figure 7 on page 54](#)).
6. Using a large flat screwdriver and a hammer, remove and discard the push nut (E) and washer (D) on the side of the head left steer caster ([Figure 7 on page 54](#)).
7. Remove the brake/steer pedal (F) ([Figure 7 on page 54](#)).
8. Use a small floor jack to lift the base frame cross tube to loosen the non-steer caster.
9. Grasp the opposite brake/steer pedal and pull outward about eight inches to remove and discard the head left steer caster.
10. Reverse steps to reinstall.

Steer (head left) caster replacement (Continued)



WARNING

Always make sure to line the hex shaft with the hex in the caster. Test the caster to identify the direction of the brake. Damage may occur if you install the caster incorrectly.

11. Verify proper operation of the product before returning it to service.

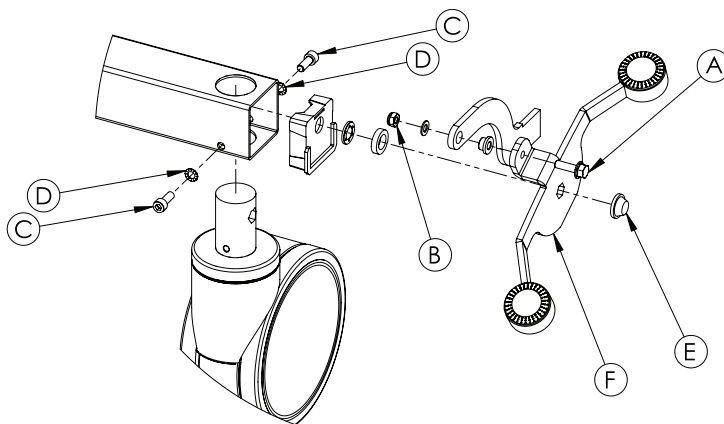


Figure 7: Steer (head left) caster

Head end siderail gas cylinder replacement

Tools required:

- Large flat screwdriver
- Hammer
- 3/8 in. drive ratchet
- 13 mm socket
- 13 mm combination wrench

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Raise the siderail to the full upright and latched position.
5. Using a 3/8 in. drive ratchet and 13 mm socket with a 13 mm combination wrench, remove and discard the bolt, spacers, and nut that secures the head end siderail gas cylinder to the fowler (backrest) frame.
6. Using a large flat screwdriver and a hammer, remove one of the push nuts (A) that secures the bottom of the head end siderail gas cylinder (C) to the siderail mechanism (Figure 8 on page 55).
7. Remove the pivot pin (B) (Figure 8 on page 55).
8. Remove and discard the head end siderail gas cylinder.
9. Reverse steps to reinstall.
10. Verify proper operation of the product before returning it to service.

Head end siderail gas cylinder replacement (Continued)

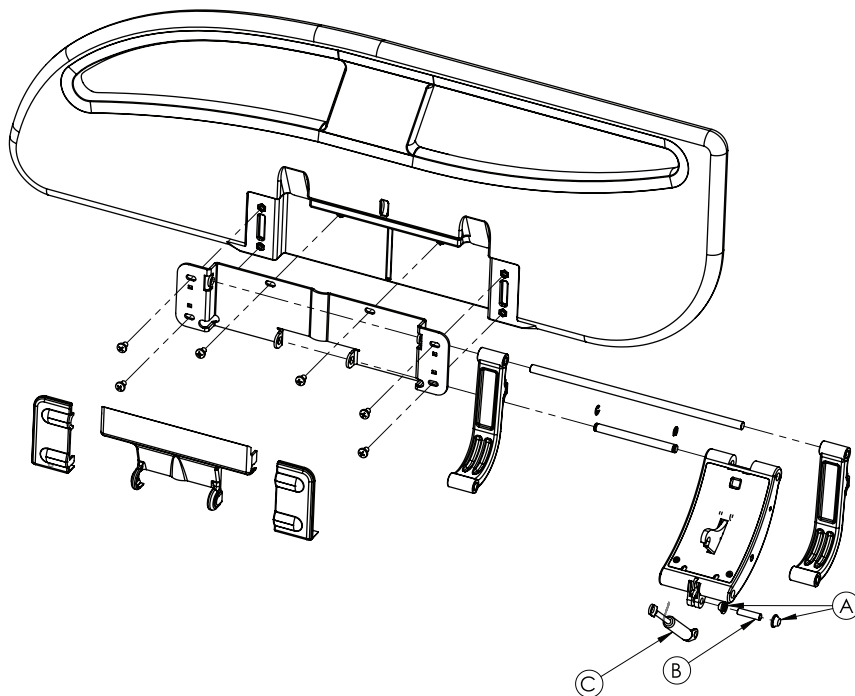


Figure 8: Head end siderail gas cylinder

Foot end siderail gas cylinder replacement

Tools required:

- Large flat screwdriver
- Small flat screwdriver
- Hammer

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Raise the siderail to the full upright and latched position.
5. Using a small screwdriver, remove and discard the e-clip that secures the foot end siderail gas cylinder to the foot section frame.
6. Remove and save the pin that secures the foot end siderail gas cylinder to the foot section frame.
7. Using a large flat screwdriver and a hammer, remove one of the push nuts (A) that secures the bottom of the foot end siderail gas cylinder to the siderail mechanism ([Figure 9 on page 56](#)).
8. Remove and discard the pivot pin (B) and foot end siderail gas cylinder (C) ([Figure 9 on page 56](#)).
9. Reverse steps to reinstall.
10. Verify proper operation of the product before returning it to service.

Foot end siderail gas cylinder replacement (Continued)

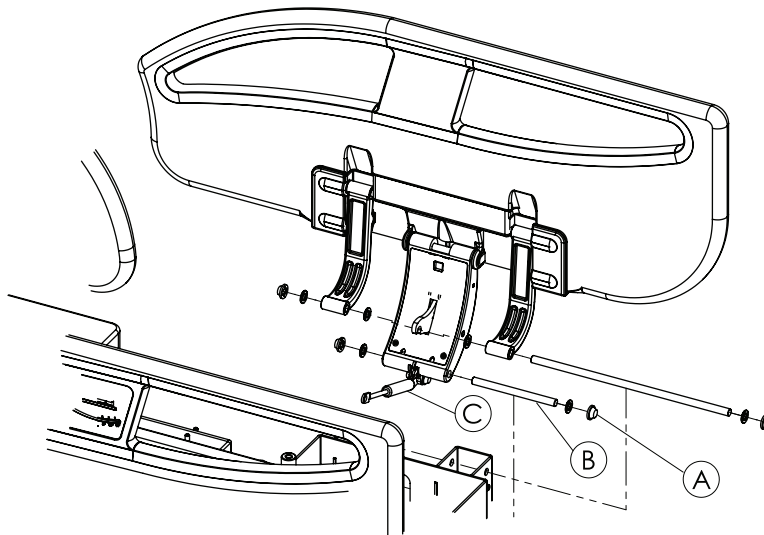


Figure 9: Foot end siderail gas cylinder

Brake / steer pedal replacement

Tools required:

- Large flat screwdriver
- Hammer
- 3/8 in. drive ratchet
- 13 mm socket
- 13 mm combination wrench

Procedure:

1. Put the brake in the neutral position.

CAUTION

With the brake in the neutral position, the product could move.

2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using a 3/8 in. drive ratchet and 13 mm socket with a 13 mm combination wrench, remove and save the bolt (A) and nut (B) that secures the linkage to the brake / steer pedal ([Figure 10 on page 57](#)).
5. Using a large flat screwdriver and a hammer, remove and discard the push nut (C) that secures the brake / steer pedal on the hex shaft ([Figure 10 on page 57](#)).
6. Remove and discard the brake/steer pedal (D) ([Figure 10 on page 57](#)).
7. Reverse steps to reinstall.
8. Verify proper operation of the product before returning it to service.

Brake / steer pedal replacement (Continued)

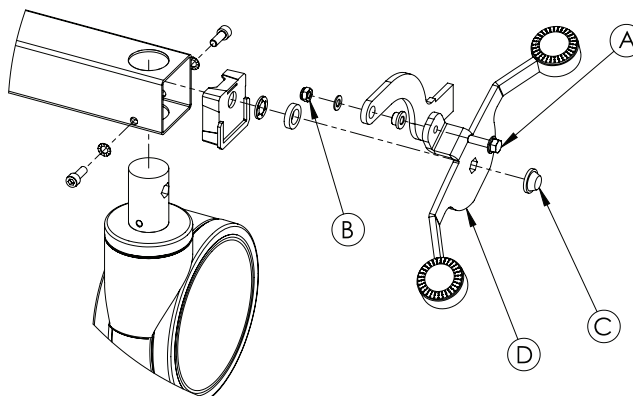


Figure 10: Brake / steer pedal

Lower leg section locking mechanism replacement

Tools required:

- 3/8 in. drive ratchet
- 13 mm socket
- 13 mm combination wrench

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Raise the lower leg section (A) ([Figure 11 on page 58](#)).
5. Lock the lower leg section.

Note: If you cannot lock the lower leg section, find another way to support the lower leg section.

6. Using a 13 mm combination wrench and a 13 mm socket, remove and save the upper bolt and nut that secure the lower leg section locking mechanism (B) to the foot section weldment ([Figure 11 on page 58](#)).
7. Using a 13 mm socket, remove and save the bolt (C), washers (D, E), and nut (F) that secures the bottom of the lower leg section locking mechanism to the litter frame ([Figure 11 on page 58](#)).
8. Remove and discard the lower leg section locking mechanism (B) ([Figure 11 on page 58](#)).
9. Reverse steps to reinstall.
10. Verify proper operation of the product before returning it to service.

Lower leg section locking mechanism replacement (Continued)

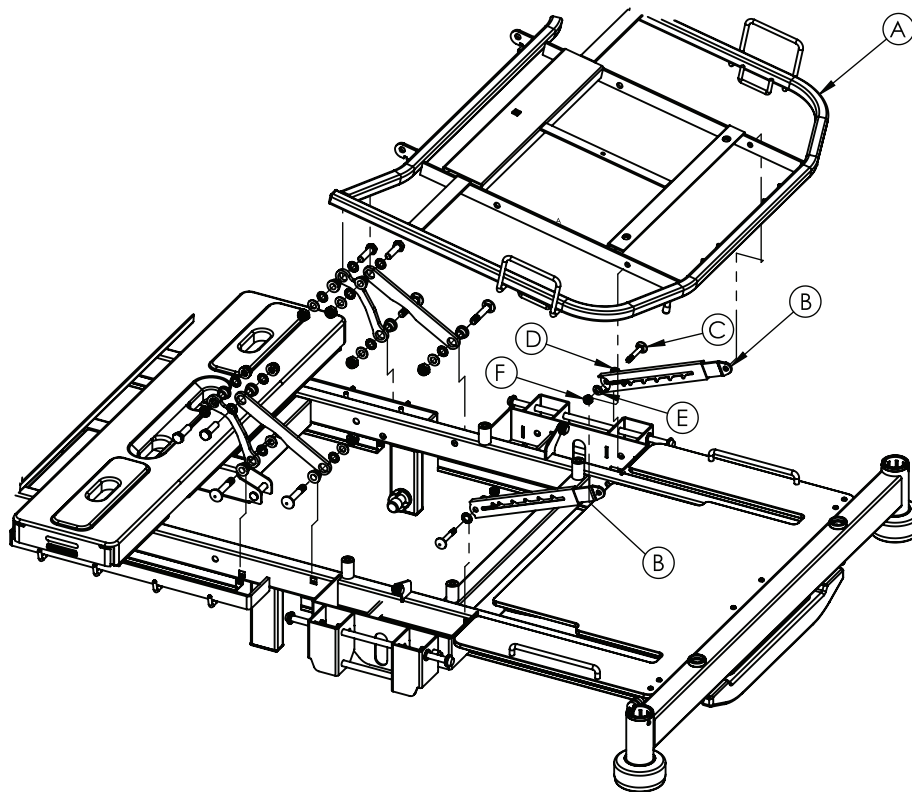


Figure 11: Lower leg section locking mechanism

Patient control pendant replacement

Tools required:

- Diagonal pliers

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Remove the three cable routing covers that secure the gatch (legrest) actuator cable to the litter frame.
5. Cut the cable tie that secures the pendant to the bottom of the litter frame.
6. Unplug the patient control pendant cable from the junction box.
7. Dispose of the patient control pendant.
8. Reverse steps to reinstall.
9. Verify proper operation of the product before returning it to service.

Nurse control pendant replacement

Tools required:

- Diagonal pliers

Nurse control pendant replacement (Continued)

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Using diagonal pliers, cut and discard the cable tie that secures the fowler (backrest) actuator cable to the wire routing channel.
5. Remove the three cable routing covers that secure the gatch (legrest) actuator cable to the litter frame.
6. Unplug the nurse control pendant cable from the junction box.
7. Dispose of the nurse control pendant.
8. Reverse steps to reinstall.
9. Verify proper operation of the product before returning it to service.

Siderail control panel (inside and outside siderail) replacement

Tools required:

- Flat screwdriver

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Remove the part number label from the head side of the control box assembly.
5. Using a flat screwdriver, carefully pry the outer panel away from the siderail hoop until the hoop fully unsnaps from the inner panel.
6. Unplug the cable connecting the siderail control panel to the junction box.
7. Remove and discard the siderail control panel.
8. Reverse steps to reinstall.
9. Verify proper operation of the product before returning it to service.

Control box replacement

Tools required:

- Diagonal pliers
- Small flat screwdriver
- 3/8 in. drive ratchet
- 10 mm socket
- 10 mm combination wrench

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Turn the battery off using the nurse control.
5. Raise and lock the lower leg section in the highest position.
6. Using a small flat screwdriver, un-clip the actuator cable retainer (A) from the control box ([Figure 12 on page 60](#)).
7. Remove and save the actuator cable retainer.

Control box replacement (Continued)

8. Using a small flat screwdriver, push in on the power cord lock and gently pull outward on the power cord.
9. Remove the power cord from the control box.
10. Unplug the control cables and the battery cable from the control box.

Note: Pay attention to the control cable connection locations for reinstallation.

11. Using a 10 mm combination wrench and a 10 mm socket, remove the bolt (B) that secures the control box to the litter frame ([Figure 12 on page 60](#)).
12. Remove and discard the control box.
13. Reverse steps to reinstall.
14. Verify proper operation of the product before returning it to service.

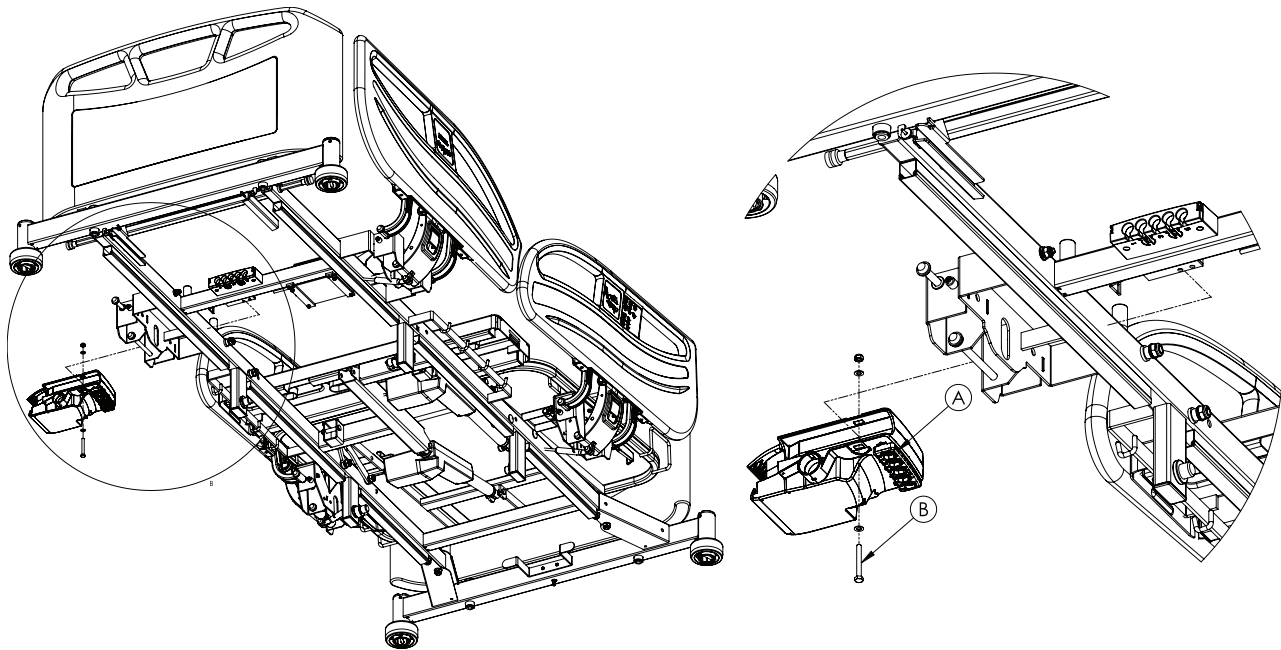


Figure 12: Control box

Battery replacement

Tools required:

- Diagonal pliers
- #2 Phillips screwdriver

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Remove the cable routing cover that secures the gatch (legrest) actuator cable to the litter frame.
5. Using diagonal pliers, cut and discard the cable tie that secures the battery cable to all of the actuator cables.
6. Using a #2 Phillips screwdriver, unscrew the four screws (A) that secure the battery to the litter frame ([Figure 13 on page 61](#)).

Note: Support the battery while removing the screws so the battery does not fall.

Battery replacement (Continued)

7. Remove the battery.
8. Dispose of the battery according to local laws and procedures.
9. Reverse steps to reinstall.
10. Verify proper operation of the product before returning it to service.

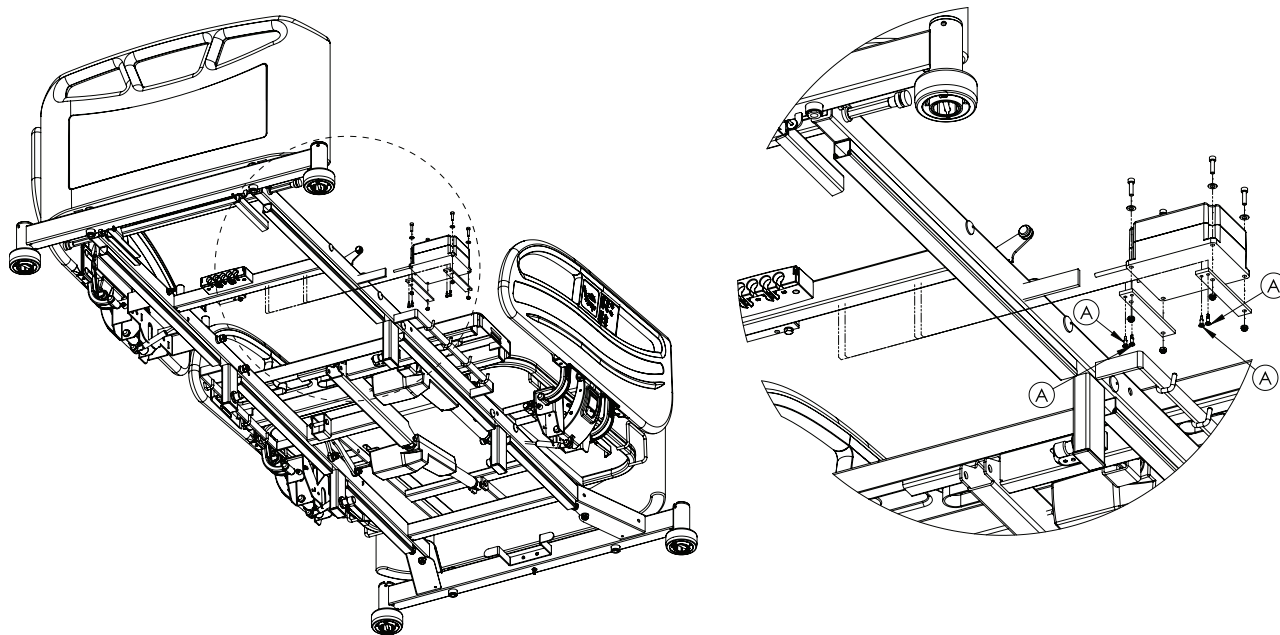


Figure 13: Battery

Power cord replacement

Tools required:

- Diagonal pliers
- Small flat screwdriver

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Remove the three cable routing covers that secure the power cord to the litter frame.
5. Using diagonal pliers, cut the five cable ties that secure the power cord to the litter frame.
6. Using a small flat screwdriver, push in on the power cord lock and gently pull outward on the power cord.
7. Remove and discard the power cord from the control box.
8. Reverse steps to reinstall.
9. Verify proper operation of the product before returning it to service.

Head end siderail hoop replacement

Tools required:

- #2 Phillips screwdriver
- Flat screwdriver

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Raise the siderail to the full upright and latched position.
5. Remove the mattress.
6. Remove the part number label from the head side of the control box assembly.
7. Using a flat screwdriver, carefully pry the outer panel away from the siderail hoop until the hoop fully unsnaps from the inner panel.
8. Unplug the cable connecting the siderail control panel to the control box.
9. Remove the siderail control panel.
10. Using a #2 Phillips screwdriver, remove and save the cover screw on the bottom of the siderail hoop on either side of the siderail pivot.
11. Using a flat screwdriver, carefully pry outward on the siderail pivot cover.
12. Using a #2 Phillips screwdriver, remove and discard the four screws (A) that secure the siderail hoop (B) to the siderail mechanism (Figure 14 on page 62).

Note: Support the siderail hoop while removing the screws so the siderail hoop does not fall.

13. Remove and discard the siderail hoop.
14. Reverse steps to reinstall.
15. Verify proper operation of the product before returning it to service.

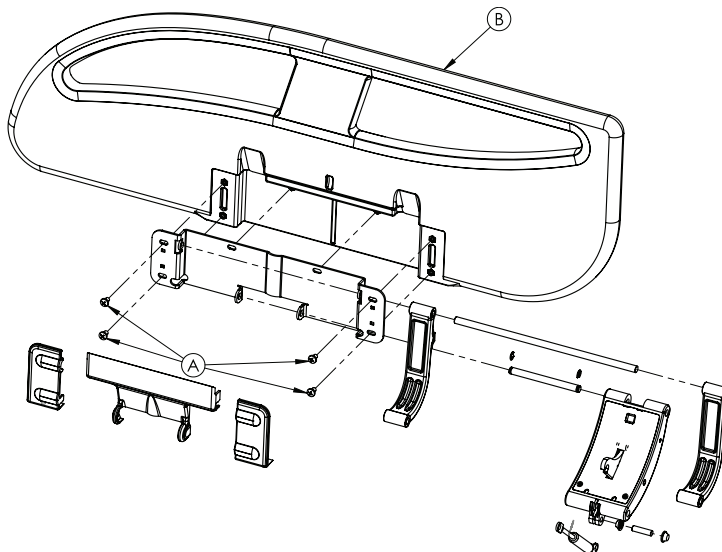


Figure 14: Head end siderail hoop

Foot end siderail hoop replacement

Tools required:

- #2 Phillips screwdriver
- Flat screwdriver

Procedure:

1. Apply the brakes.
2. Raise the product to the highest height position.
3. Power down the bed and unplug the power cord from the wall outlet.
4. Raise the siderail to the full upright and latched position.
5. Remove the mattress.
6. Using a #2 Phillips screwdriver, remove and save the cover screw on the bottom of the siderail hoop on either side of the siderail pivot.
7. Using a flat screwdriver, carefully pry outward on the siderail pivot cover.
8. Using a #2 Phillips screwdriver, remove and discard the four screws (A) that secure the siderail hoop (B) to the siderail mechanism (Figure 15 on page 63).

Note: Support the siderail hoop while removing the screws so the siderail hoop does not fall.

9. Remove and discard the siderail hoop.
10. Reverse steps to reinstall.
11. Verify proper operation of the product before returning it to service.

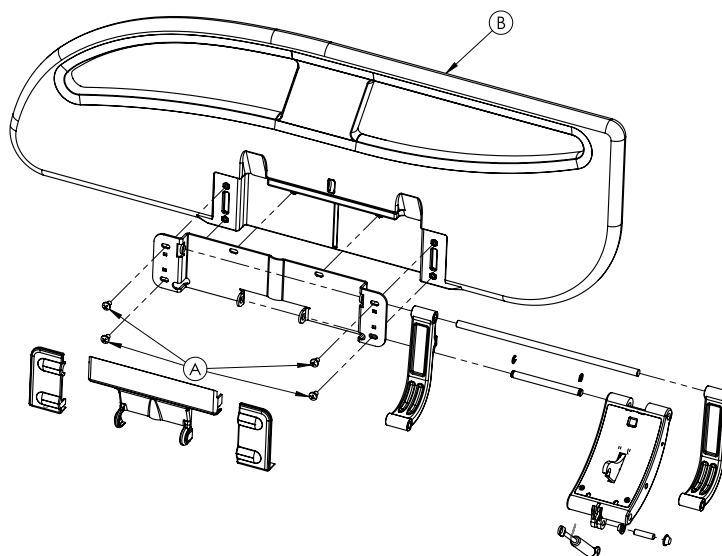
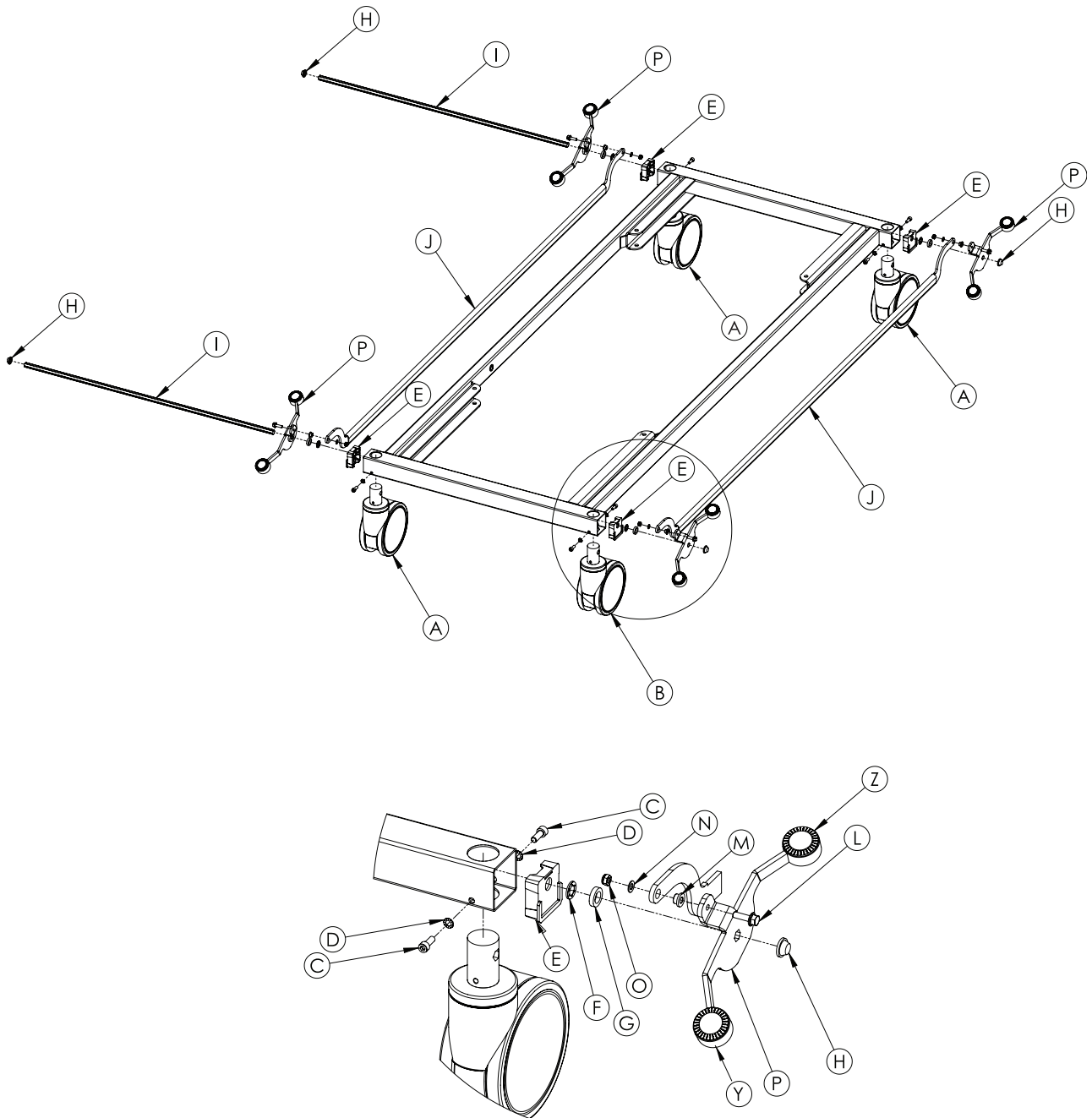


Figure 15: Foot end siderail hoop

Brake system

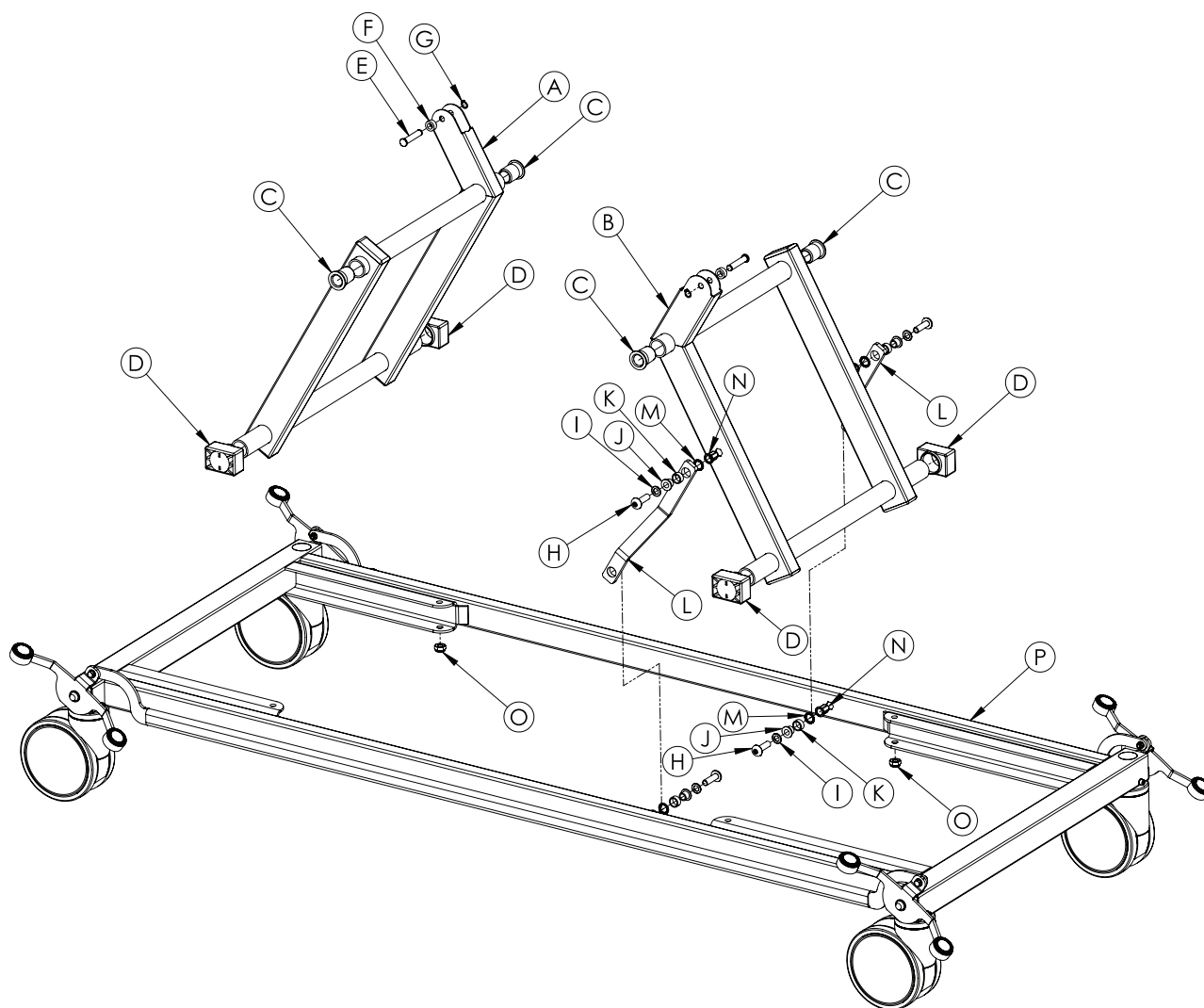


Item	Number	Name	Quantity
A	HM-01-26	150 mm standard twin caster	3
B	HM-01-25	150 mm directional lock twin caster	1
C	HM-05-106	M6*16 imbus bolt	8
D	HM-09-04	6 mm serrated washer (ring) DIN 6798	8
E	YM-HM-02-299	50 x 50 caster profile cap PLS	4

Brake system

Item	Number	Name	Quantity
F	HM-11-10	11 mm snap ring (lipper) KMS starlock push on BV/6706 fastener	4
G	YM-HM-02-71	12 mm thick PLS washer DMR 071	4
H	HM-11-20	Q11 capped snap ring DT/6673/44A	4
I	YM-03-04-10-0760-GL	760 mm hexagonal galvanized bar	2
J	YN-FUTURELBAKT-001-BY	Brake transfer bar left	2
L	HM-05-135	6 X 20 mm steel bolt	4
M	HM-12-905	Transfer laser cut part bushing (bronz)	4
N	HM-07-22	M6 iron washer (small)	4
O	HM-08-05	M6 fibered nut	4
P	YM-FUTURELBPD-001-BY	Future LB pedal white	4
Y	YM-HM-02-62	Red brake rubber MKA062 DMR062	4
Z	YM-HM-02-63	Green brake rubber MKA063 DMR063	4

Base and leg assembly

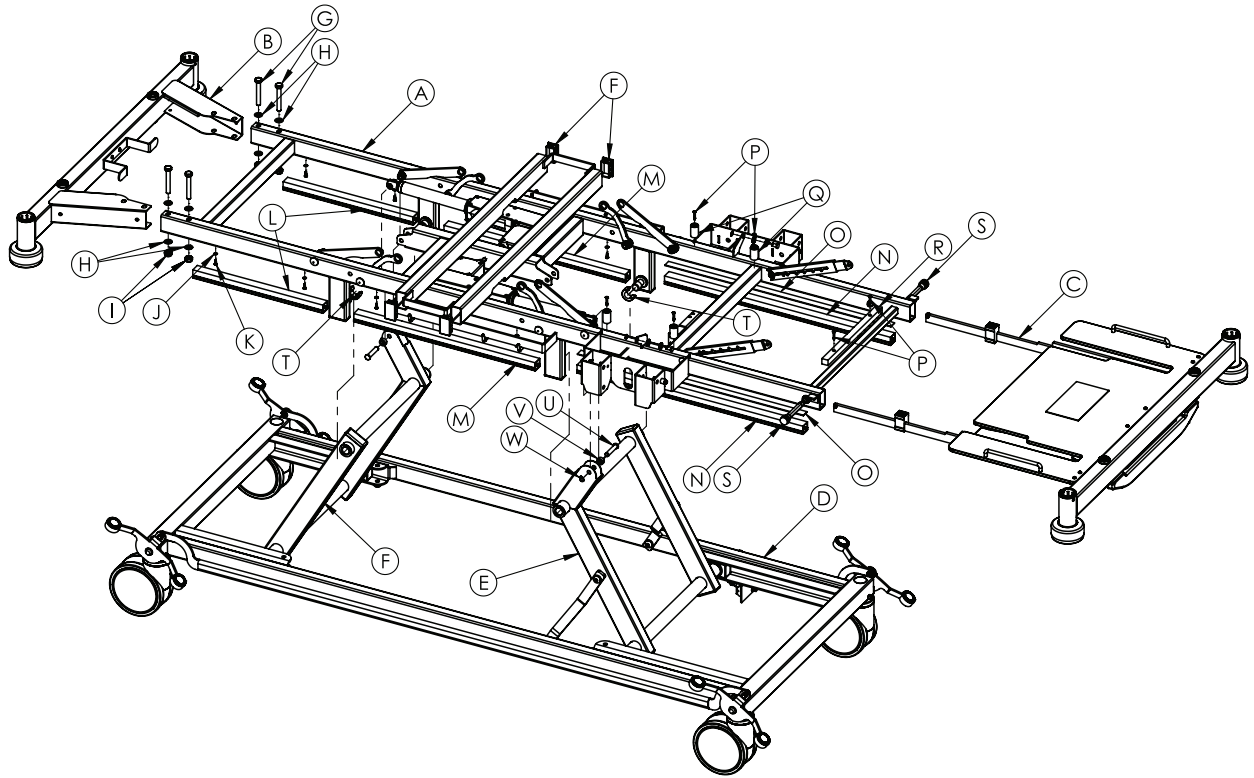


Item	Number	Name	Quantity
A	YM-FUTURELBANA-004-BY	Head end lift leg weldment	1
B	YM-FUTURELBANA-002-BY	Foot end lift leg weldment	1
C	YM-HM-02-402	Ø34 mm plastic bushing	4
D	YM-HM-02-396	Delrin slider blocks	4
E	HM-12-FTR004	12-FTR004 10 x 53 actuator pin	2
F	HM-02-285	Ø10.6 x 7.5 mm plastic washer	2
G	HM-11-03	10 mm snap ring DIN 471	2
H	HM-05-153	Ø10 x 35 mm button head bolt	4
I	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	4

Base and leg assembly

Item	Number	Name	Quantity
J	HM-12-FTR007	Ø10.2 mm plastic bushing	4
K	YM-HM-02-398	Ø14.5 x 8 mm plastic washer	4
L	YM-04-FTR011-HZR-BY	Timing link	2
M	YM-HM-02-399	Ø14 x 2 mm plastic washer	4
N	HM-09-18	M10 rivet nut	4
O	HM-08-07	M10 fiber hex nut	4
P	YM-FUTURELBALT-002-MN1	Base assembly	1

Litter / frame assembly

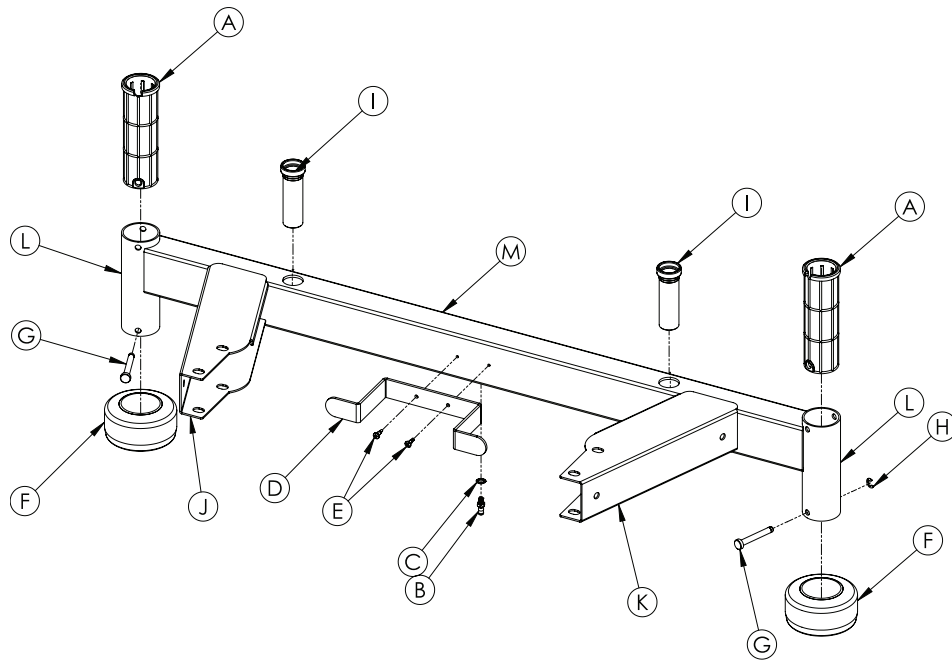


Item	Number	Name	Quantity
A	YM-FUTURELBUST-001-BY	Litter frame weldment	1
B	YM-026-010-MN	Head end weldment	1
C	YM-039-004-MN	Bed extender	1
D	YM-FUTURELBALT-002-MN1	Base assembly	1
E	YM-FUTURELBANA-002-BY	Foot end lift leg weldment	1
F	YM-FUTURELBANA-004-BY	Head end lift leg weldment	1
G	HM-05-006	Ø10 x 70 mm pin	4
H	HM-07-04	M10 iron washer	8
I	HM-08-07	M10 fiber hex nut	4
J	HM-07-07	Ø4 iron washer	8
K	HM-06-02	Ø3.9 x 15 mm	8
L	YM-16-49-03	380 mm cable routing cover	2
M	YM-16-49-01	530 mm cable routing cover	2
N	YM-16-49-02	660 mm cable routing cover	2
O	HM-22-61	660 mm ?	2

Litter / frame assembly

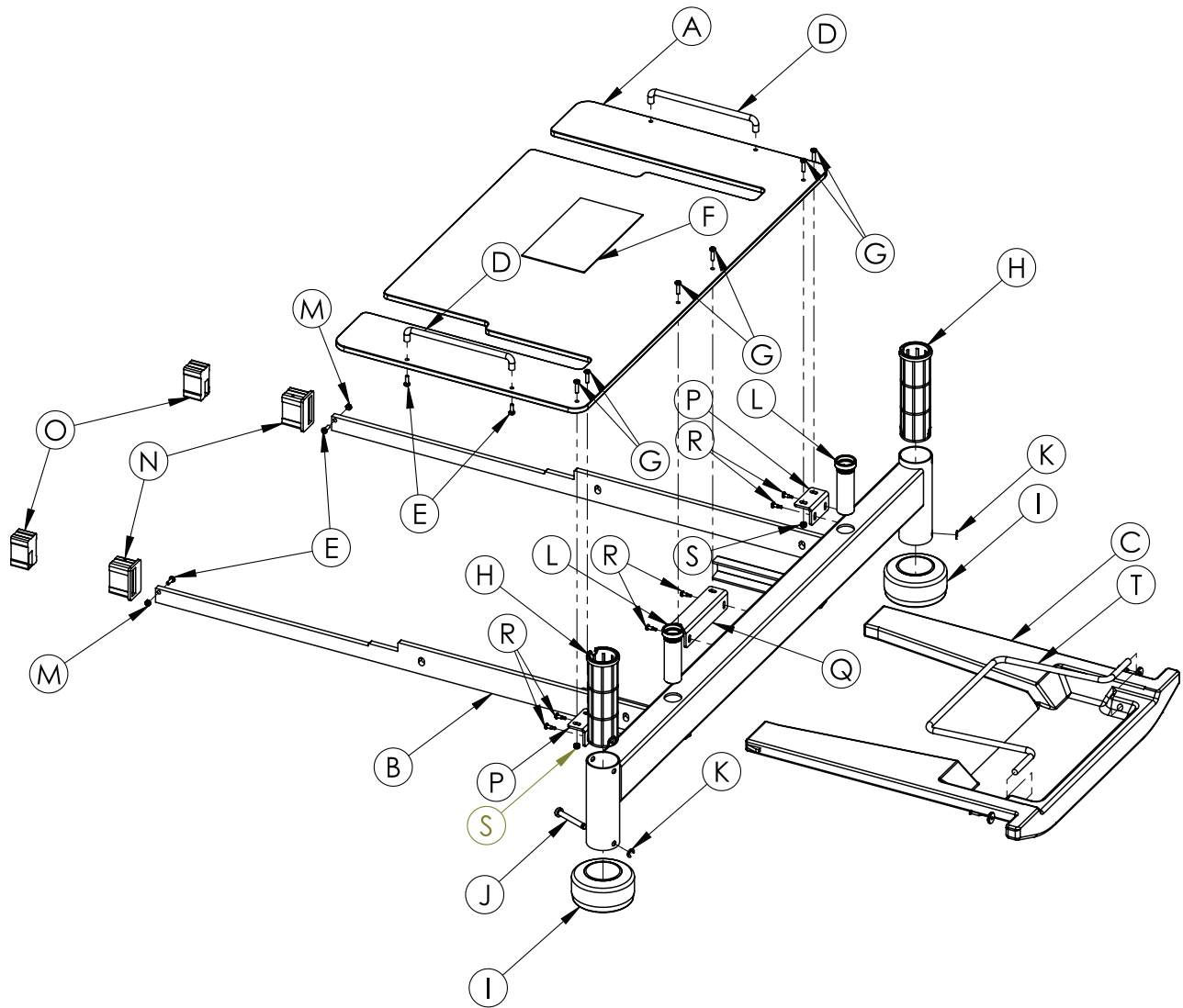
Item	Number	Name	Quantity
P	HM-06-09	Ø3.9 x 25 mm	6
Q	YM-HM-02-408	Ø20 x 32 mm gatch (footrest) bumper	4
R	HM-02-417	300 x 18 x 16 mm footrest bumper	1
S	HM-20-840	Bed extender pin	2
T	YM-HM-02-401	Delrin C spacer	2
U	HM-12-FTR004	12-FTR004 10 x 53 actuator pin	2
V	HM-02-285	Ø10 x 7.5 mm plastic washer	2
W	HM-11-03	10 mm snap ring DIN 471	2

Bumper roller assembly



Item	Number	Name	Quantity
A	YM-HM-02-413	Accessory socket sleeve	2
B	HM-12-128	Grounding chrome	1
C	HM-09-04	6 mm serrated washer (ring) DIN 6798	1
D	YM-04-100-HZR3	Cable stow 20b-3	1
E	HM-06-02	Star drive round head bolt (3.9 x 13 mm)	2
F	HM-02-354	Future bumper	2
G	HM-12-FTR001	12-FT001 future bumper pin	2
H	HM-02-391	5 mm C shaped snap ring DIN 6799	2
I	HM-02-55	Head board lock pin plastic encasing	2
J	YM-04-322-HZR-1	Detachable bumper to chassis connection arm (right side)	1
K	YM-04-322-HZR	Detachable bumper chassis to main chassis connection arm (left side)	1
L	YM-03-01-01-01250-HZR	45 x 2 x 150 mm bumper chassis side tubes	2
M	YM-03-02-41-877-HZR1	Main bumper profile 40 x 60 x 877 mm	1

Bed extender assembly

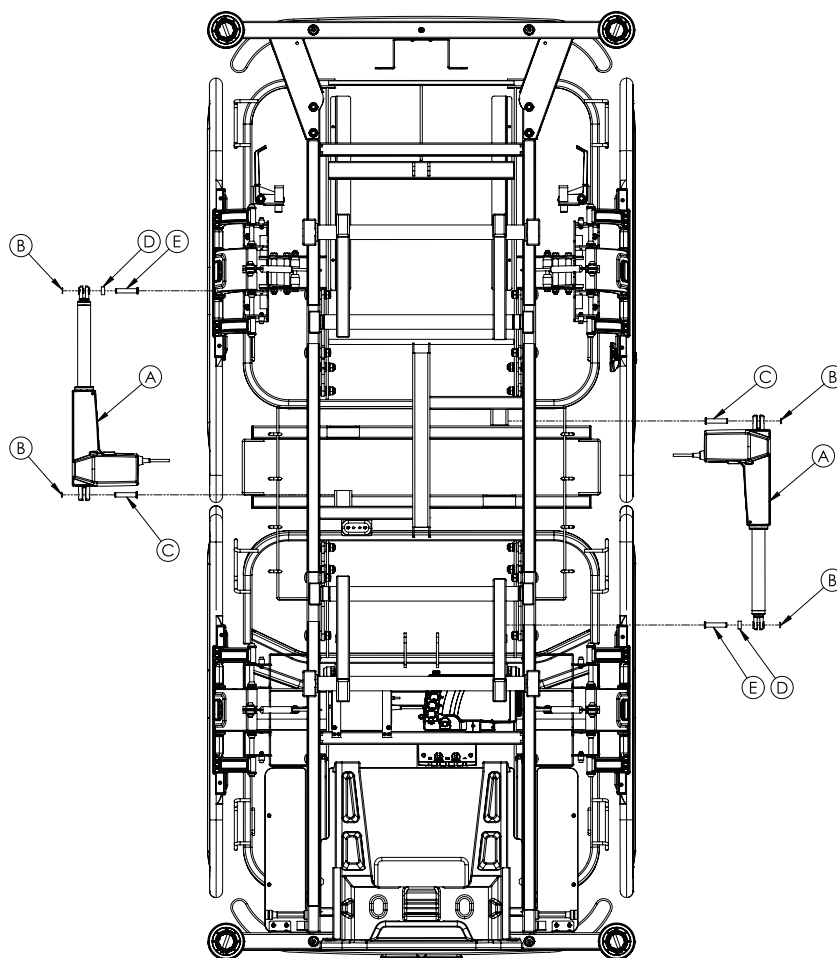
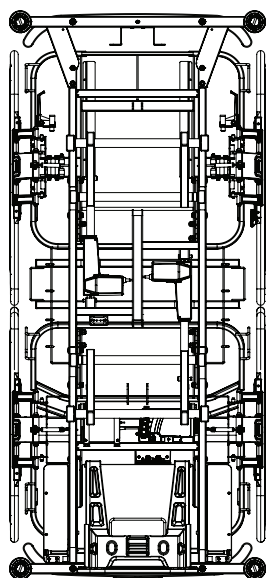


Item	Number	Name	Quantity
A	YM-27-01-106	HPL footrest extension	1
B	YM-039-004-00-BY	Bed extender weldment	1
C	YM-20-011	Plastic linen tray	1
D	YM-UZTMSLTTC-001	Bolster mattress retainers	2
E	HM-06-82	M14 x 12 mm Phillips screw	6
F	YM-UZTMCIRT-MN	Bolster mattress Velcro®	1
G	HM-06-63	M14 x 16 mm Phillips screw	6
H	YM-HM-02-413	Accessory socket sleeve	2
I	HM-02-354	Future bumper	2
J	HM-12-FTR001	12-FT001 future bumper pin	2

Bed extender assembly

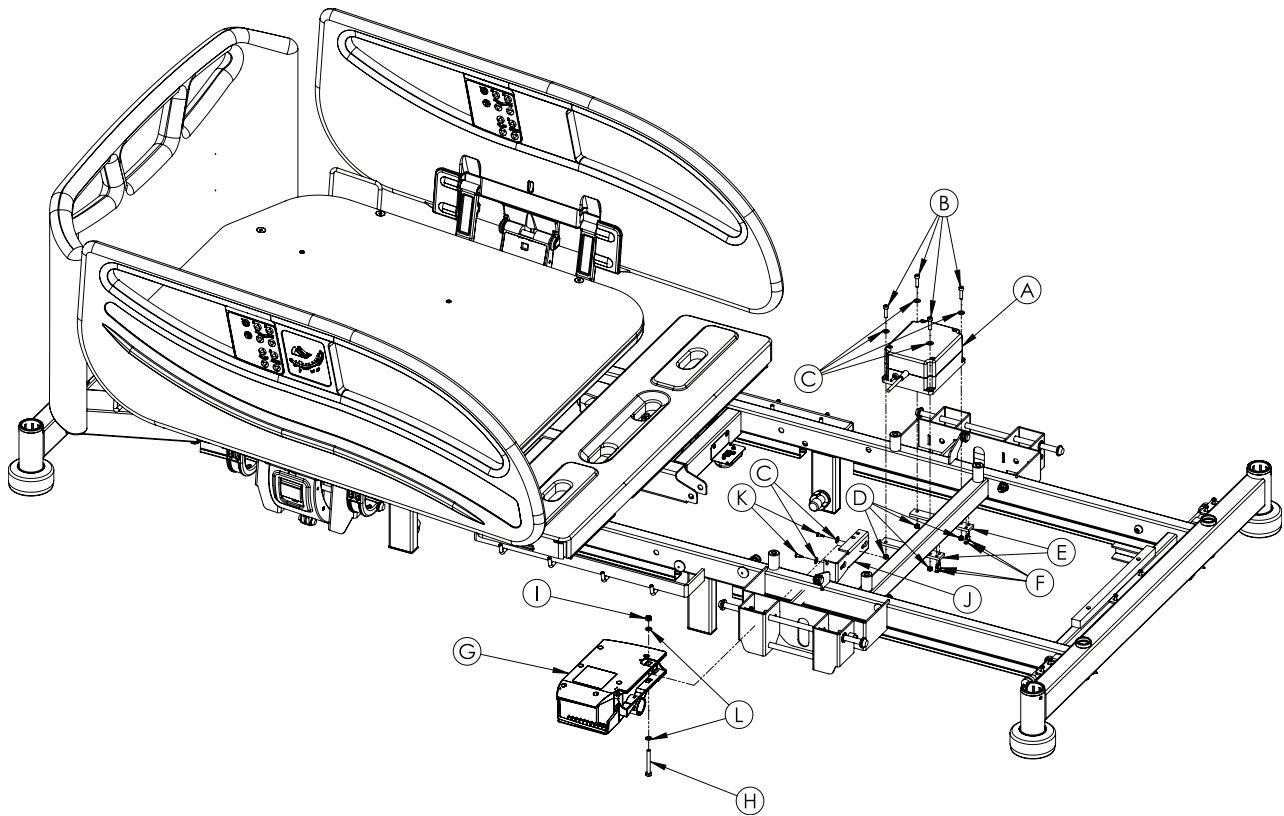
Item	Number	Name	Quantity
K	HM-11-05	6 mm C shape snap ring DIN 6799	2
L	YM-02-55	Footboard pin socket	2
M	HM-08-38	M4 hex nut	2
N	YM-HM-02-416	Litter frame plastic end caps	2
O	YM-HM-02-415	Bed extender block stops	2
P	YM-04-FTR023-HZR-BY	HPL extension mounting bracket	2
Q	YM-04-FTR022-HZR-BY	HPL extension mounting bracket	1
R	HM-06-02	Ø3.9 x 13 mm Phillips screw	6
S	HM-08-19	M4 x .7 nylock nut	4
T	HM-03-04-03-0650-HZR- BY	Ø8 mm linen tray bar	1

Hi-Lo actuators



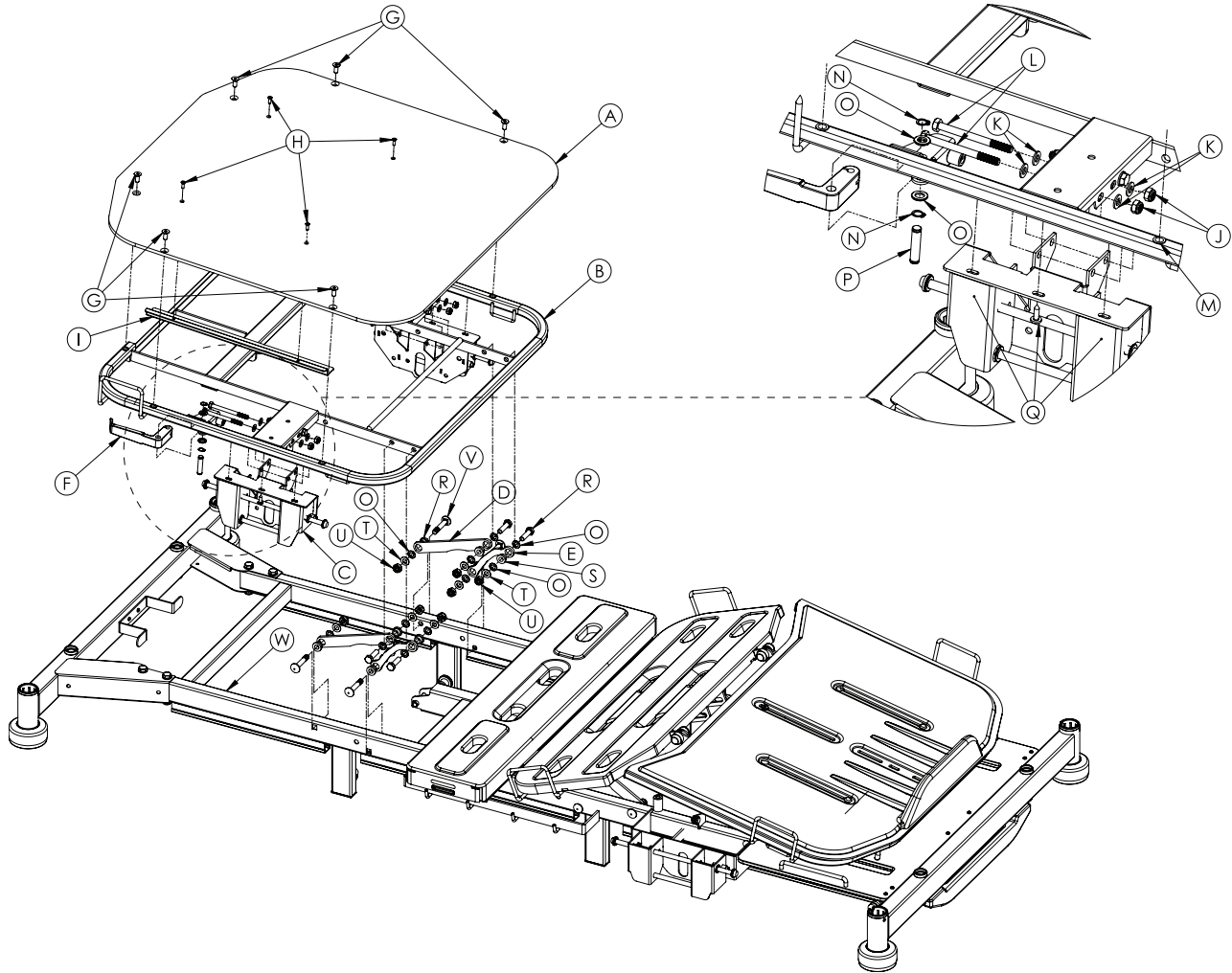
Item	Number	Name	Quantity
A	HM-17-100	J03648 (31410H +1115004K CB16 Linak high/low actuator)	2
B	HM-11-03	10 mm snap ring DIN 471	4
C	HM-12-FTR004	12-FTR004 10 x 53 actuator pin	2
D	HM-02-285	10 x 7.5 mm plastic washer	2
E	HM-12-112	12-112 Ø10 x 39.5 mm stepped pin	2

Control box and battery



Item	Number	Name	Quantity
A	HM-17-16	BA1812-1300-000 Linak CB6 battery	1
B	HM-05-043	M5*20 imbus bolt	4
C	HM-07-22	M6 iron washer (small)	6
D	HM-08-04	M5 fibered nut	4
E	YM-03-03-01-0425-HZR	5 x 20 mm battery mounting bracket	2
F	HM-06-049	3.9 x 16 mm pan head self drilling screw	4
G	HM-17-373	QFUTURE LB CB6 control box new type system (CB6S674+X4409) CB6663- 00 100-240 volt	1
H	HM-05-010	M6*50 steel bolt	1
I	HM-08-05	M6 fibered nut	1
J	HM-17-174	Control box mounting bracket	1
K	HM-06-02	3.9 x 13 mm pan head self drilling screw	2
L	HM-07-01	M6 metal standard washer (large) 1/4 washer	2

Litter fowler (backrest) assembly

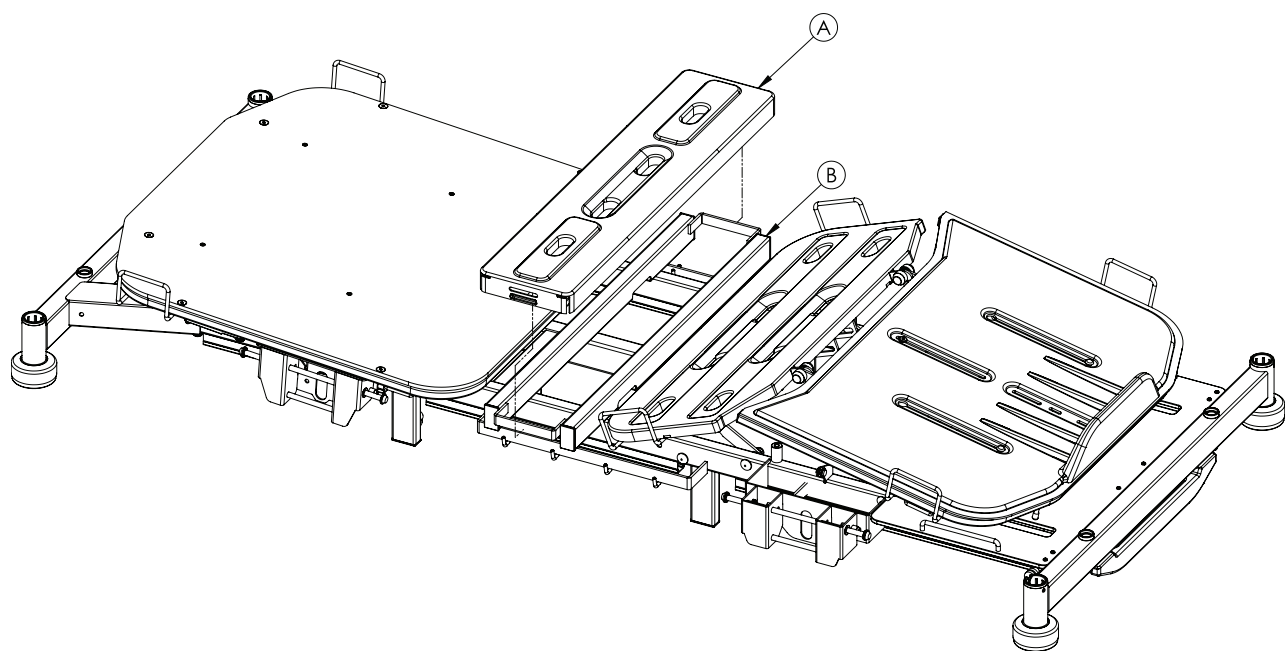


Item	Number	Name	Quantity
A	YM-27-01-005	Plastic backrest cover	1
B	YM-008-013-00-BY	Backrest weldment	1
C	YM-FUTURESRT-001-BY	Siderail mounting bracket	2
D	YM-04-102-BY	102-6 laser cut link	2
E	YM-04-103-BY	103-6 laser cut link	2
F	HM-02-13	Red plastic CPR release handle	2
G	HM-05-032	M8 x 20 mm countersunk bolt	6
H	HM-06-30	M5 x 15 mm self drilling star bolt	4
I	YM-15-05-0450-HZR1	X-Ray cassette track	2
J	HM-08-06	M8 fibered nut	2
K	HM-07-03	M8 iron washer	4
L	HM-05-018	M8*90 half thread steel bolt	2

Litter fowler (backrest) assembly

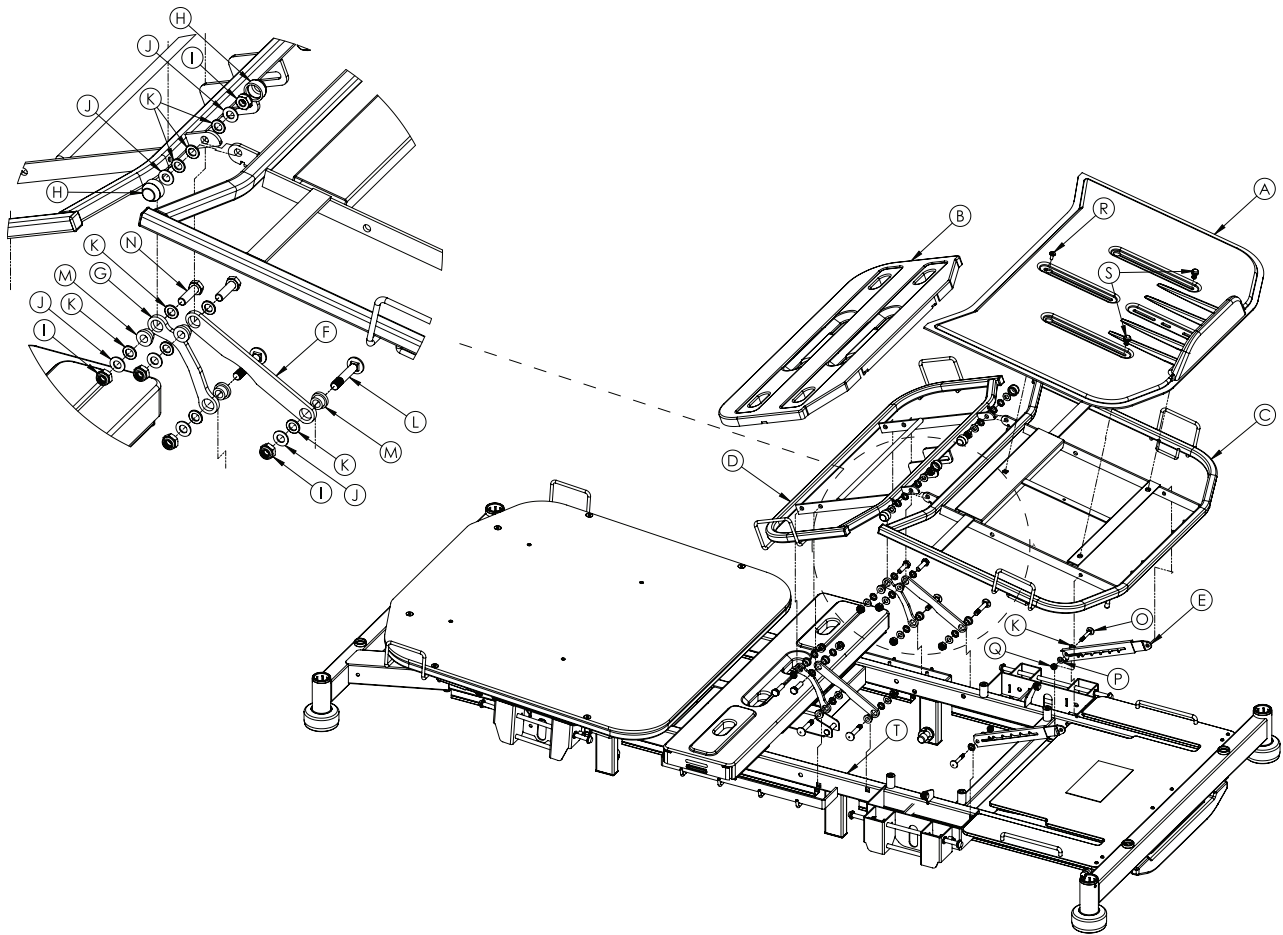
Item	Number	Name	Quantity
M	HM-08-35	M8 rivet nut	6
N	HM-11-03	10 mm snap ring DIN 471	2
O	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	14
P	HM-12-103	Ø10 x 44.5 mm pin	2
Q	HM-06-72	Ø5.5 x 19mm torque screw	6
R	HM-05-005	Ø10 x 35 mm hex head bolt	4
S	YM-HM-02-88	Ø10 mm plastic bushing	8
T	HM-07-04	M10 iron washer	8
U	HM-08-07	M10 fiber hex nut	8
V	HM-06-89	M10 x 55 mm carriage bolt	4
W	YM-FUTURELBUST-001-BY	Litter frame weldment	1

Litter seat assembly



Item	Number	Name	Quantity
A	HM-02-120	Plastic seat cover	1
B	YM-FUTURELBUST-001-BY	Litter frame weldment	1

Litter gatch (legrest) assembly

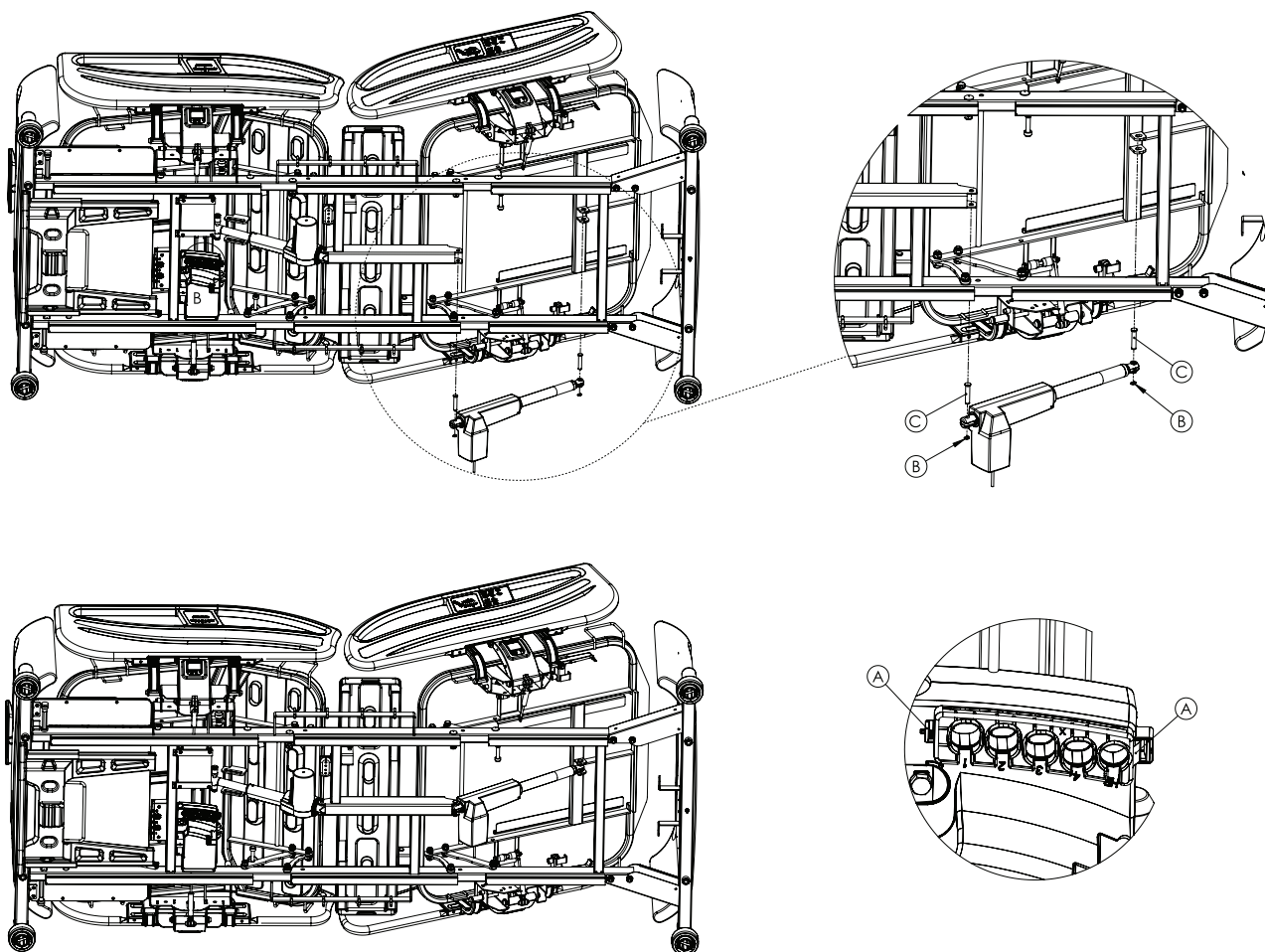


Item	Number	Name	Quantity
A	HM-02-121	Plastic calf rest cover	1
B	HM-02-119	Plastic thigh rest cover	1
C	YM-007-006-BY	Calf rest weldment	1
D	YM-006-003-BY	Thigh rest weldment	1
E	HM-20-517	Foot prop assembly	2
F	YM-04-102-BY	102-6 laser cut link	2
G	YM-04-103-BY	103-6 laser cut link	2
H	YM-HM-02-179	Bolt cap	4
I	HM-08-07	M10 fiber hex nut	10
J	HM-07-04	M10 iron washer	12
K	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	12
L	HM-06-89	M10 x 55 mm carriage bolt	4
M	YM-HM-02-88	Ø10 mm plastic bushing	8
N	HM-05-005	M10 x 35 mm hex head bolt	4

Litter gatch (legrest) assembly

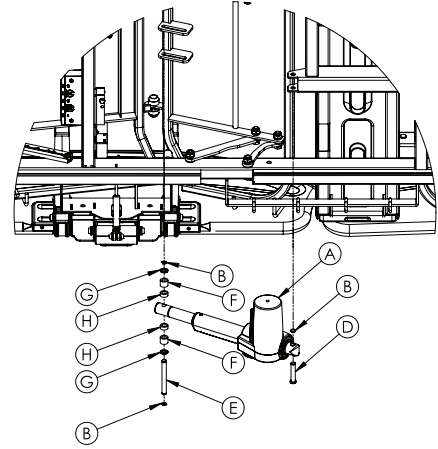
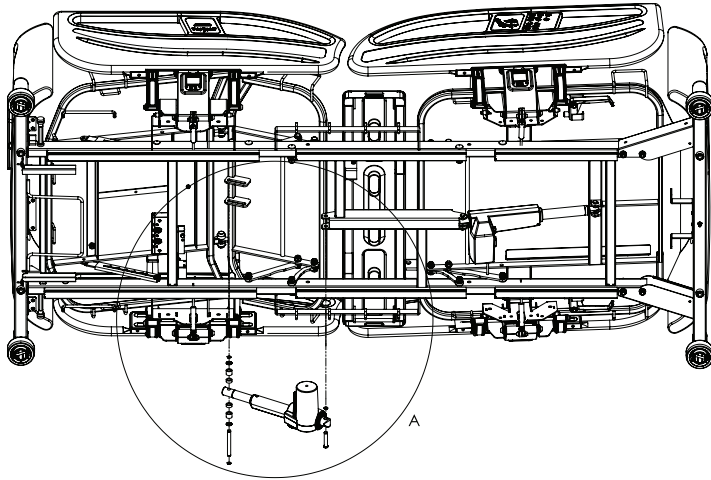
Item	Number	Name	Quantity
O	HM-06-88	M8 x 47 mm carriage bolt	2
P	HM-07-03	M8 iron washer	2
Q	HM-08-06	M8 fibered nut	2
R	HM-06-66	M6 x 15 mm button head screw	1
S	YM-HM-02-55	Ø9 x 12.4 mm plastic screw	2
T	YM-FUTURELBUST-001-BY	Litter frame weldment	1

Fowler (backrest) actuator

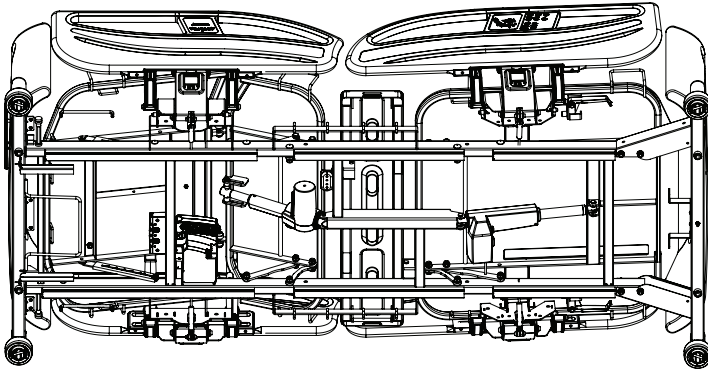


Item	Number	Name	Quantity
A	HM-17-248	312887-00 future LB release backrest actuator Linak type	1
B	HM-11-03	10 mm snap ring DIN 471	2
C	HM-12-FTR004	12-FTR004 10 x 53 actuator pin	2

Gatch (legrest) actuator

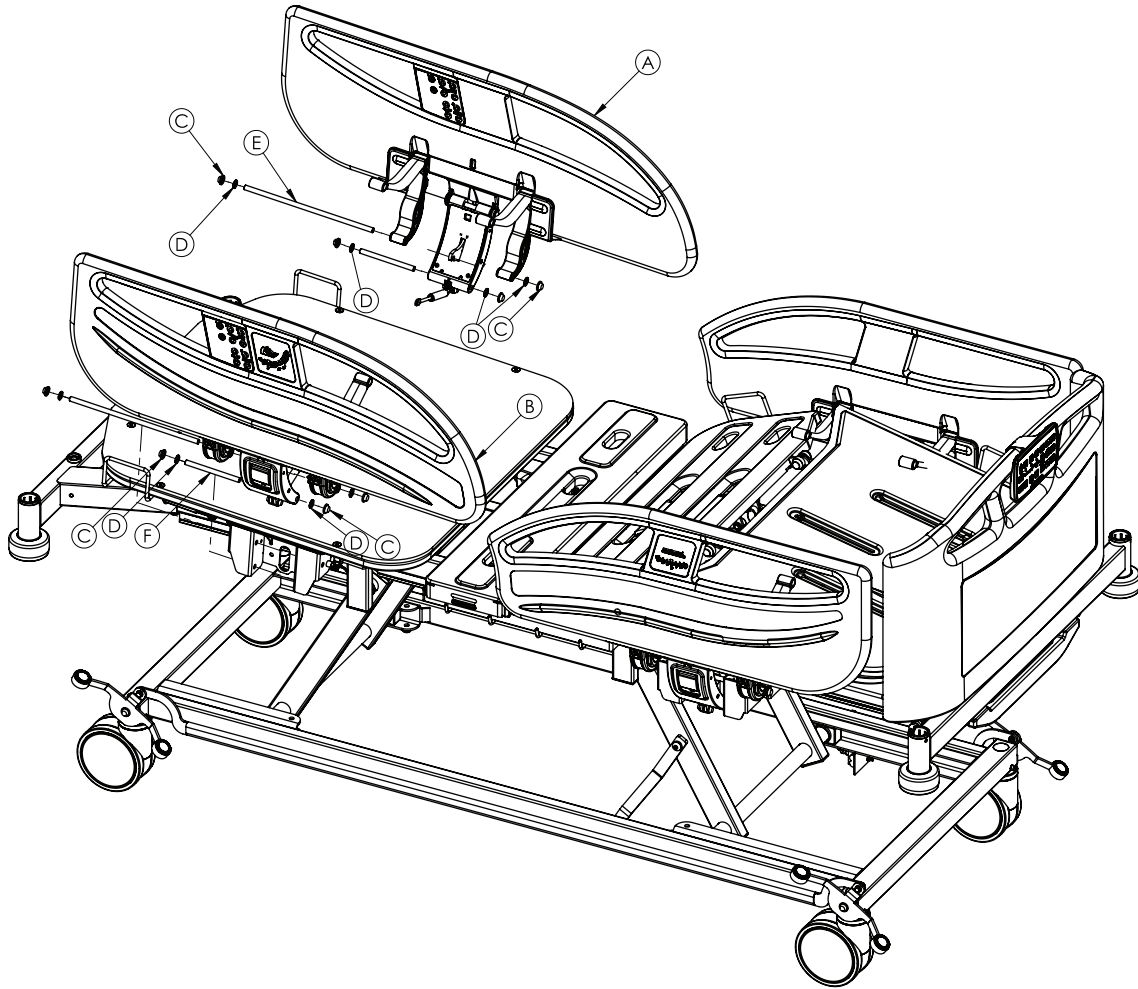


DETAIL A
SCALE 1:3



Item	Number	Name	Quantity
A	HM-17-249	J04257 future LB legrest actuator Linak type	1
B	HM-11-03	10 mm snap ring DIN 471	3
D	HM-12-FTR004	12-FTR004 10 x 53 actuator pin	1
E	HM-12-FTR006	12-FTR006 calf pin	1
F	HM-02-287	10 x 14 mm plastic washer	2
G	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	2
H	HM-02-285	7 mm PLS washer	2

Siderail head end assembly



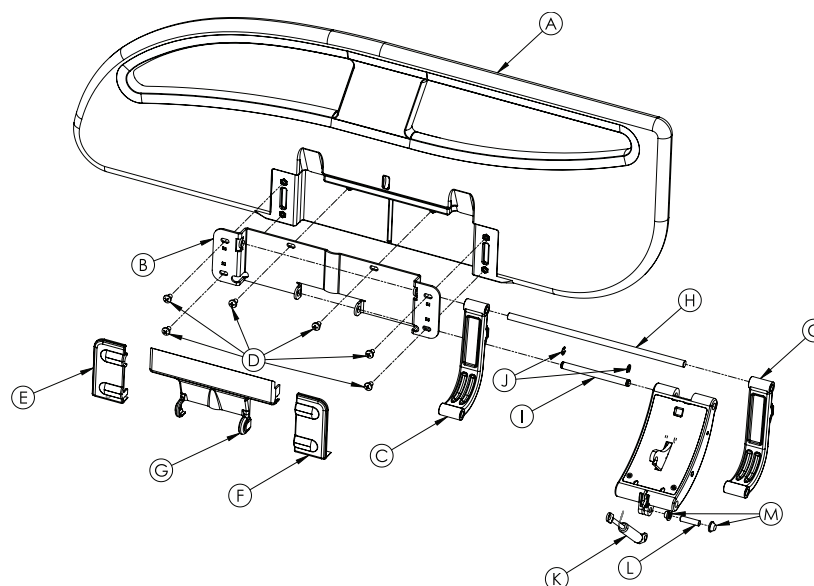
Item	Number	Name	Quantity
A	YM-20-005	Head end left siderail	1
B	YM-20-007	Head end right siderail	1
C	HM-11-19	Q10 capped snap ring (DT/6668/44A)	16
D	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	24
E	HM-12-145	12-145 10 x 305 mm siderail pin	4
F	HM-12-144	12-144 10 x 128 mm siderail pin	4

Siderail laminate	Number (left)	Number (right)
Dark blue	HM-20-853	HM-20-852
Dark wood	HM-20-760	HM-20-759

Siderail head end assembly

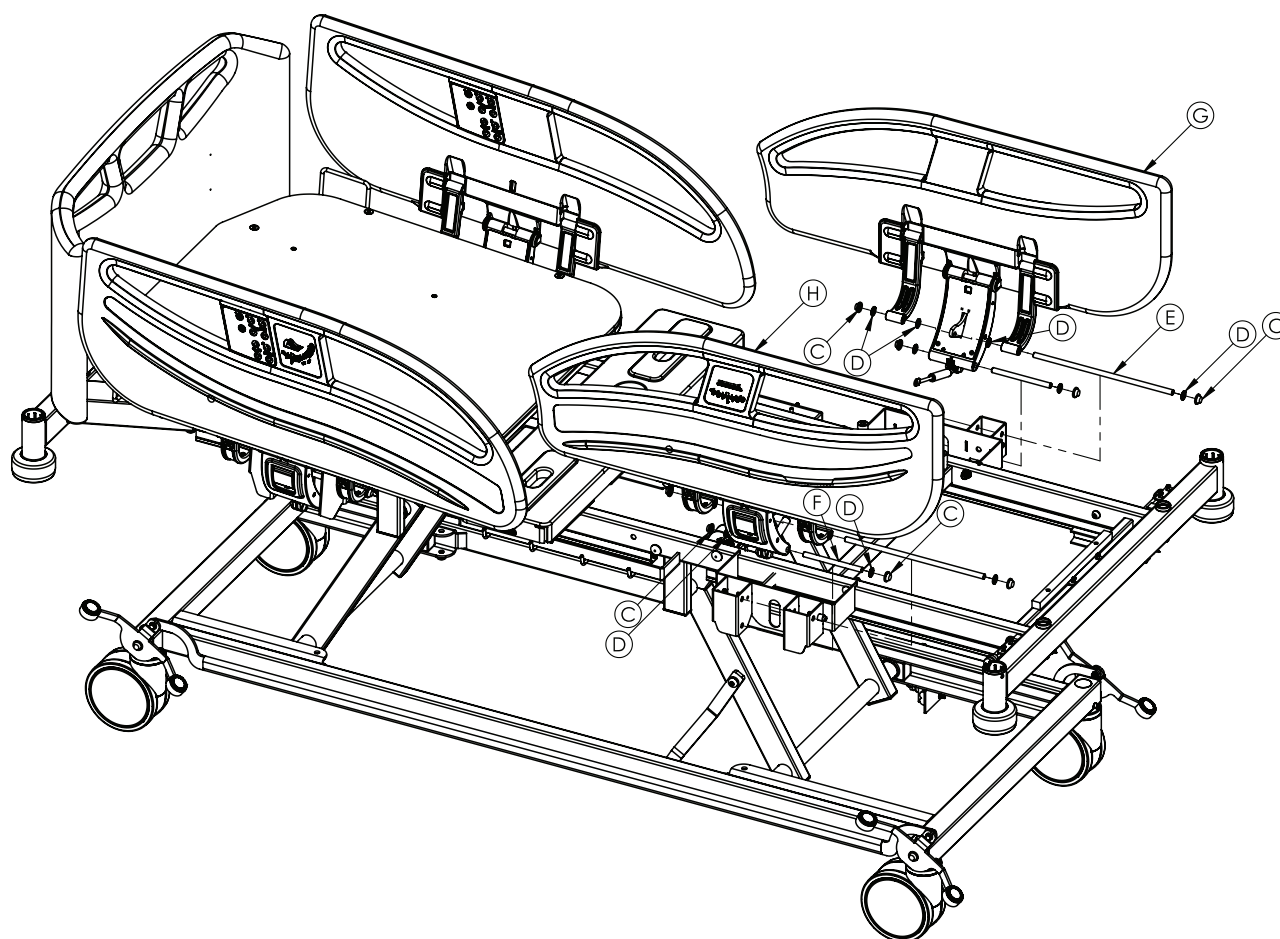
Siderail laminate	Number (left)	Number (right)
Light wood	HM-20-750	HM-20-749
Wood	HM-20-755	HM-20-754

Siderail assembly



Item	Number	Name	Quantity
A	YM-20-007	Head end right siderail	1
B	HM-04-FTR005	Siderail assembly base metal	1
C	YM-FUTUREALMKL-001-BY	Aluminum siderail arm (white)	2
D	HM-06-23	M6 x 10 mm countersunk bolt	6
E	YM-HM-02-394	Siderail mechanism cover 1 left - mould 81	1
F	YM-HM-02-363	Siderail mechanism cover 2 right - mould 81	1
G	YM-HM-02-362	Siderail mechanism cover 3 center - mould 67	1
H	HM-12-145	12-145 10 x 305 mm siderail pin	1
I	HM-12-144	12-144 10 x 128 mm siderail pin	1
J	HM-11-04	8 mm snap ring	2
K	HM-18-27	Future side rail shock absorber 640015004	1
L	HM-12-146	12-146 8 x 31 mm side rail pin	1
M	HM-11-18	Q8 capped snap ring (DT/6671/43A)	2
N	YM-HM-02-369	Siderail plastic main mechanism housing	1

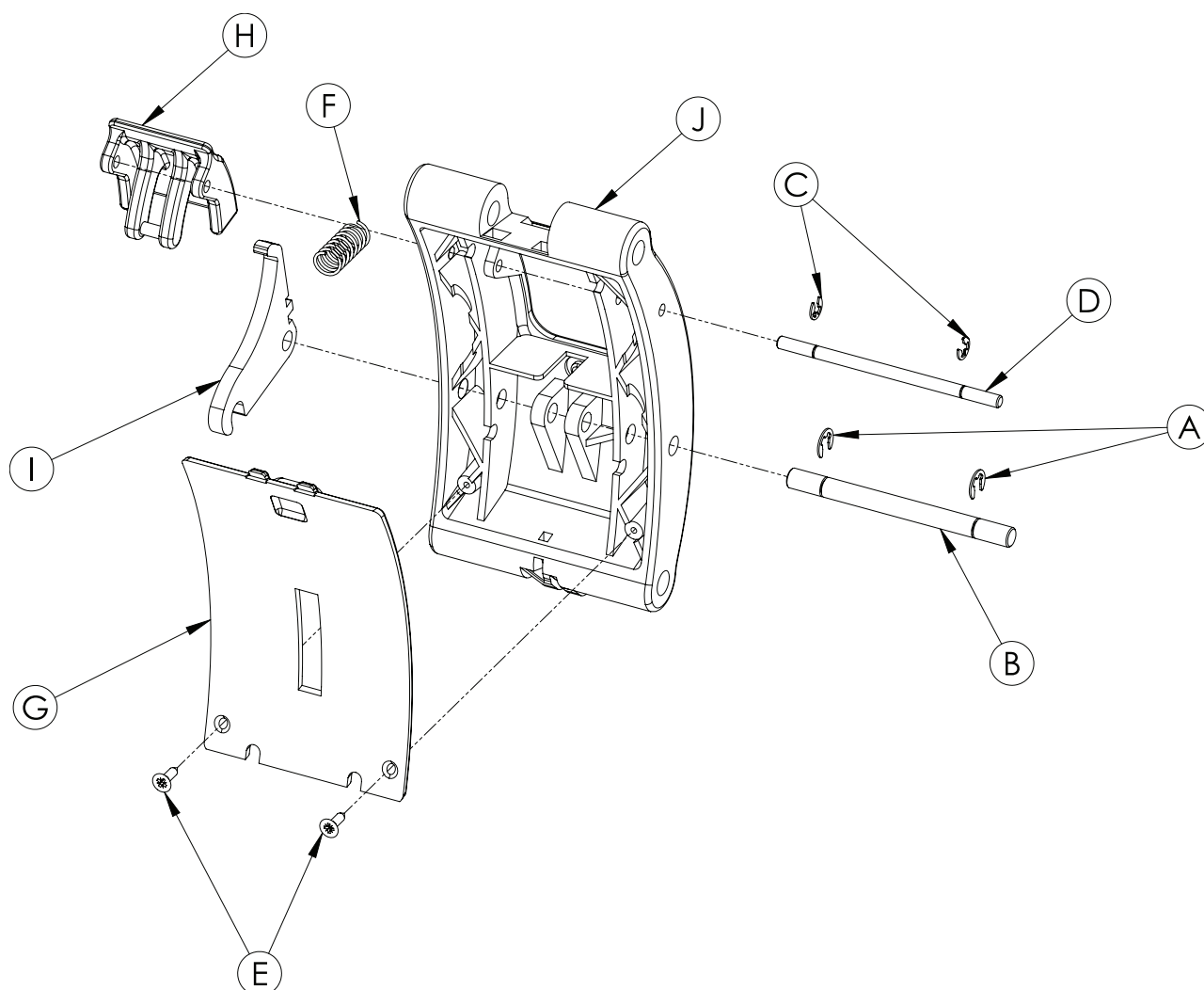
Siderail foot end assembly



Item	Number	Name	Quantity
C	HM-11-19	Q10 capped snap ring (DT/6668/44A)	16
D	HM-02-283	2 mm plastic washer (10 mm plastic washer) mould NO 34	24
E	HM-12-145	12-145 10 x 305 mm siderail pin	4
F	HM-12-144	12-144 10 x 128 mm siderail pin	4
G	YM-20-006	Foot end left siderail	1
H	YM-20-008	Foot end right siderail	1

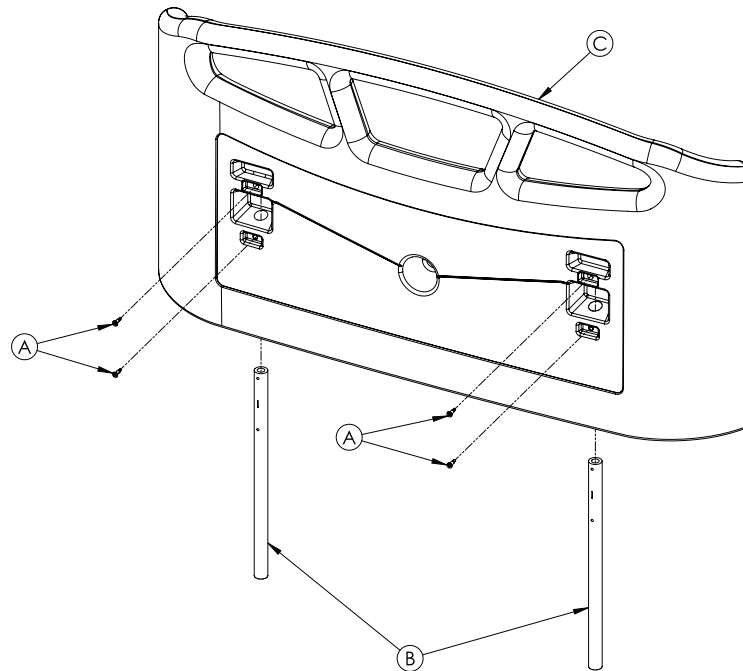
Siderail laminate	Number (left)	Number (right)
Dark blue	HM-20-855	HM-20-854
Dark wood	HM-20-762	HM-20-761
Light wood	HM-20-752	HM-20-751
Wood	HM-20-757	HM-20-756

Siderail release latch assembly



Item	Number	Name	Quantity
A	HM-11-05	6 mm C shape snap ring DIN 6799	2
B	HM-12-200	Ø8 x 98 mm siderail pin with snap ring slides	1
C	HM-11-06	Size 4 snap ring	2
D	HM-12-147	Ø5 x 98 mm siderail pin with snap ring slides	1
E	HM-06-14	Ø3.5 x 13 mm Star screw	2
F	HM-16-51	Hammer spring	1
G	HM-02-370	Siderail mechanism plastic cover	1
H	HM-02-374	Siderail release handle	1
I	HM04-FTR007	Siderail release hammer	1
J	HM-02-369	Siderail mechanism plastic shell	1

Headboard and footboard assembly



Item	Number	Name	Quantity
A	HM-06-49	3.9 x 16 mm drill head smart screw	4
B	HM-12-150	Ø18 x 4 mm head pipe	2
C	YM-20-013	Head or foot board polypropylene	1

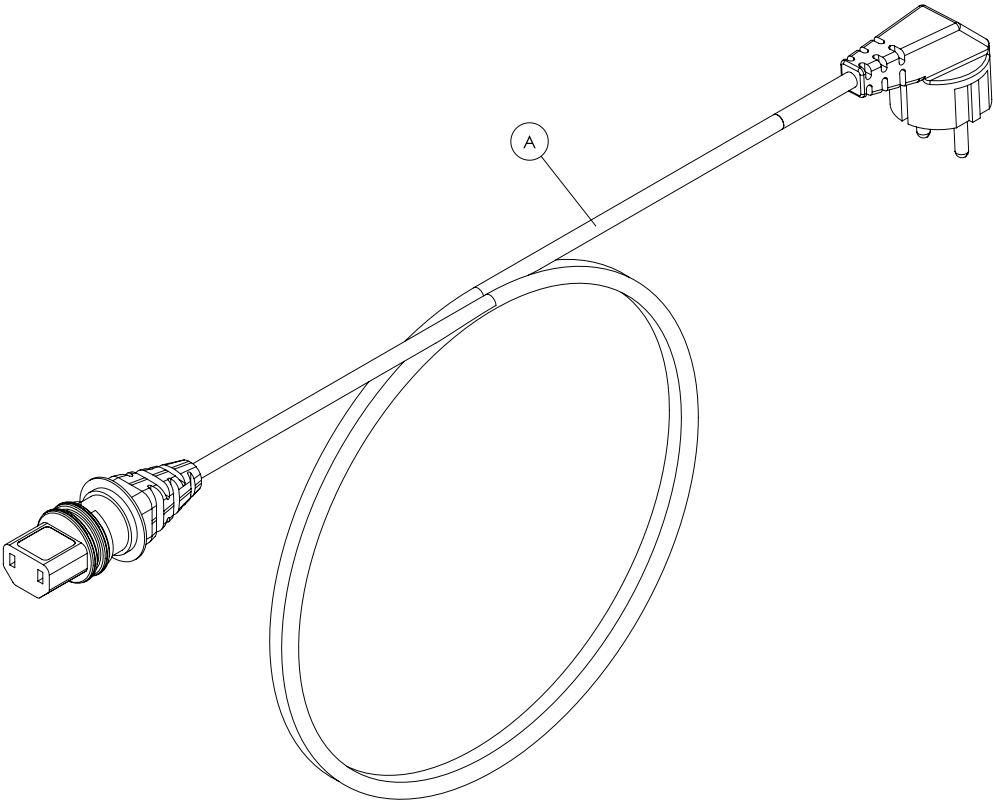
Headboard laminate	Number
Dark blue	HM-20-851
Dark wood	HM-20-763
Light wood	HM-20-753
Wood	HM-20-758

Footboard laminate	Number
Dark blue	HM-20-850
Dark wood	HM-20-763
Light wood	HM-20-753
Wood	HM-20-758

Recycling passports



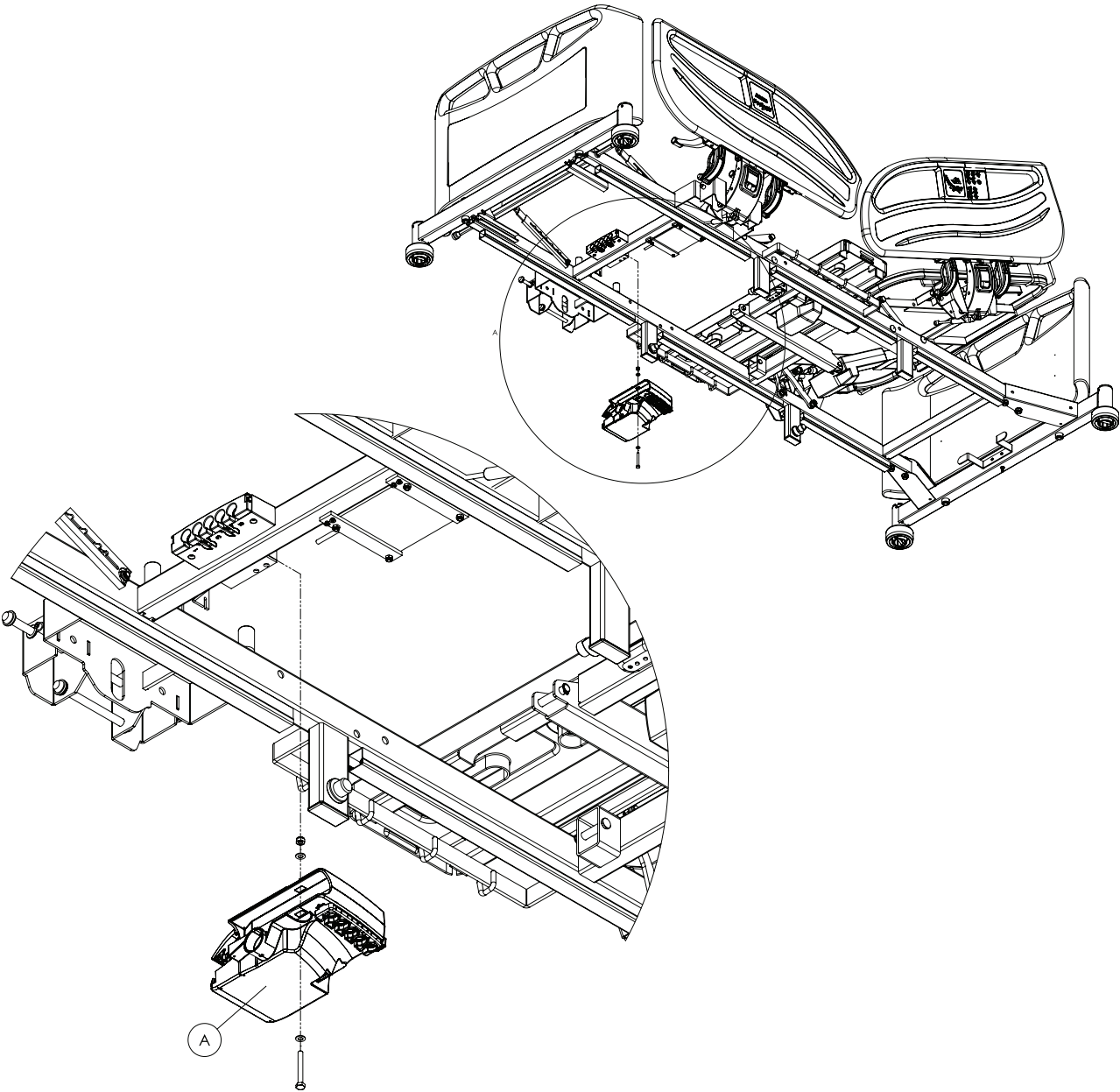
Assembly part number: HM-17-164 (Reference only)



Item	Recycling/Material Code	Important	Qty
A	HM-17-164	Power cable	1



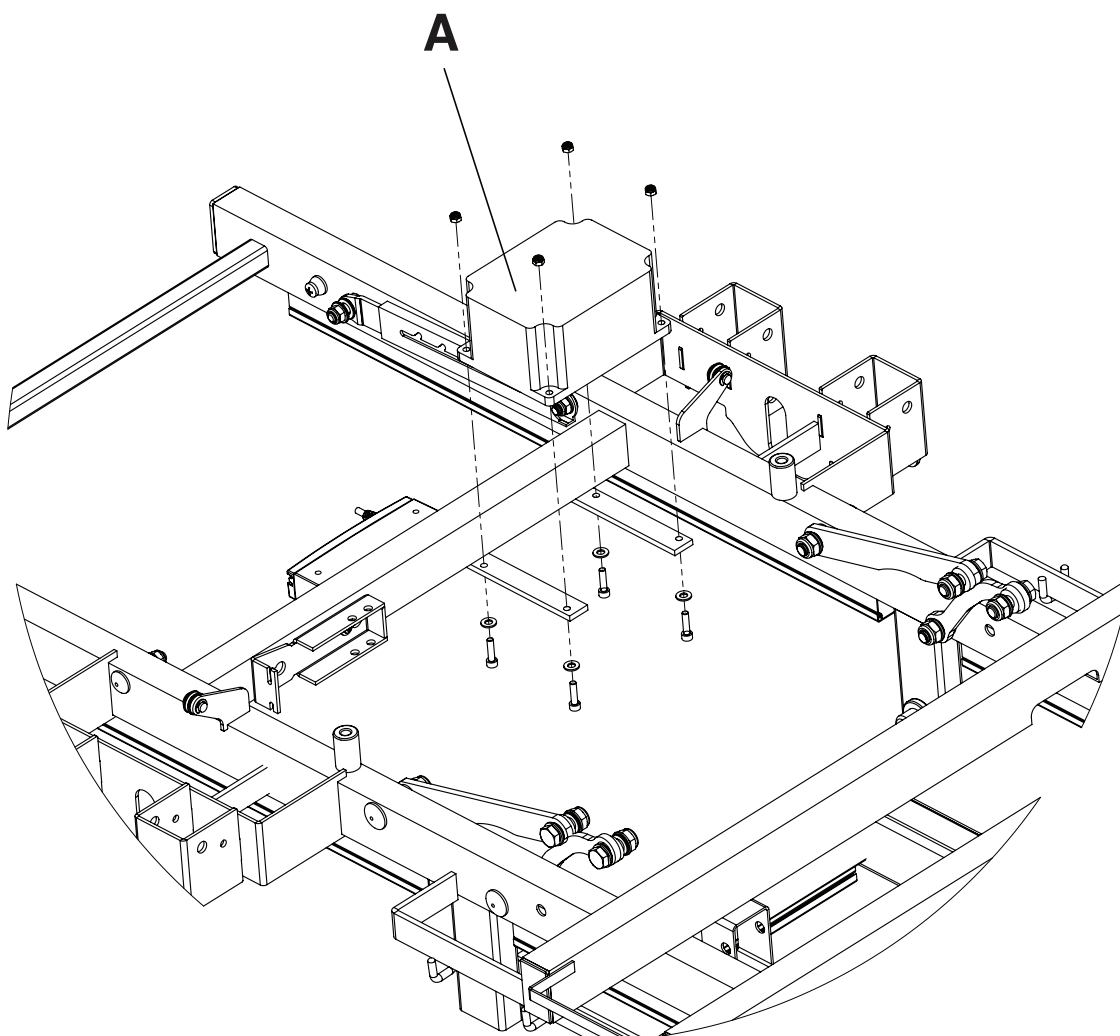
Assembly part number: HM-17-373 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-373	Control panel	1



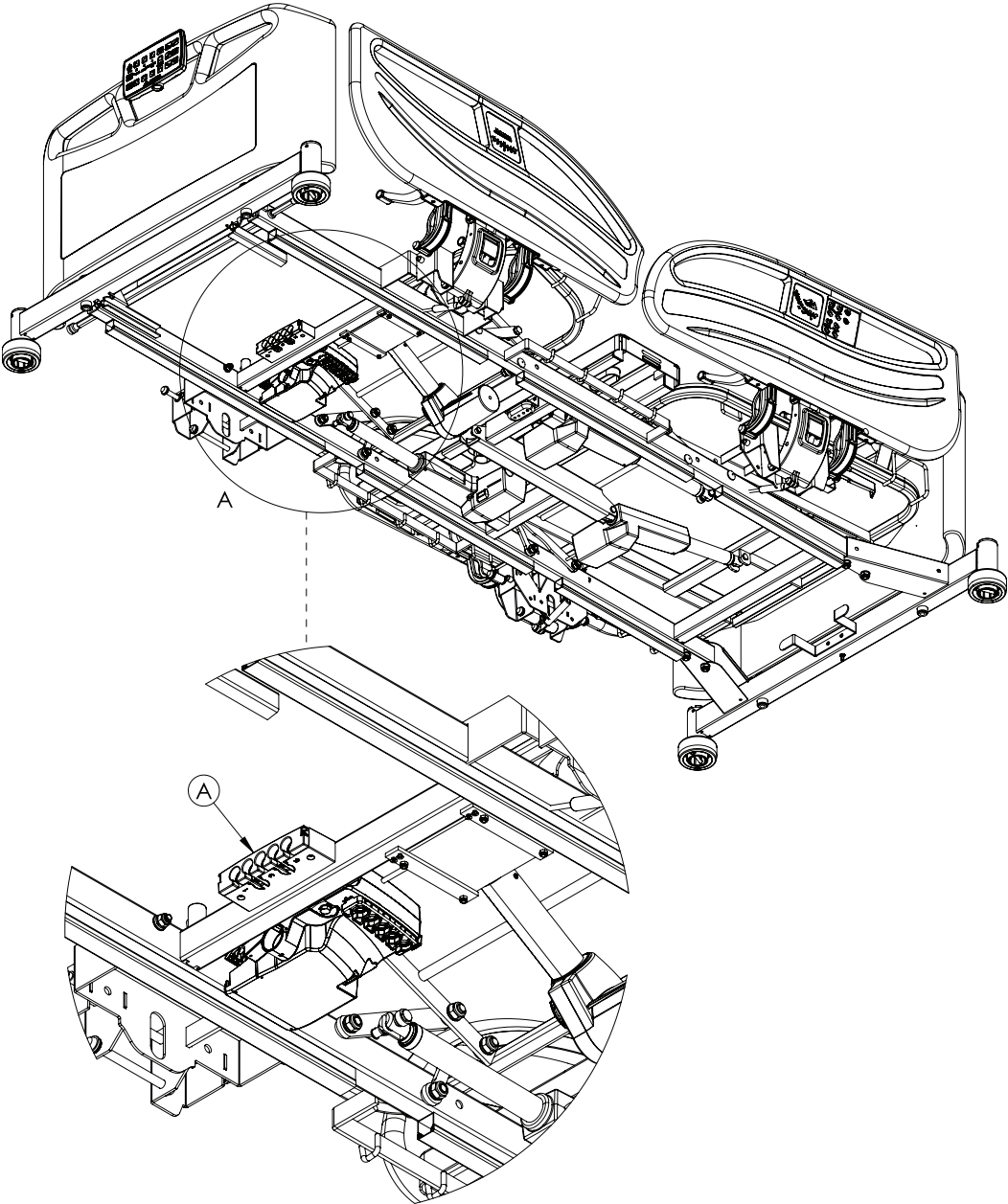
Assembly part number: HM-17-16 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-16	Battery	1



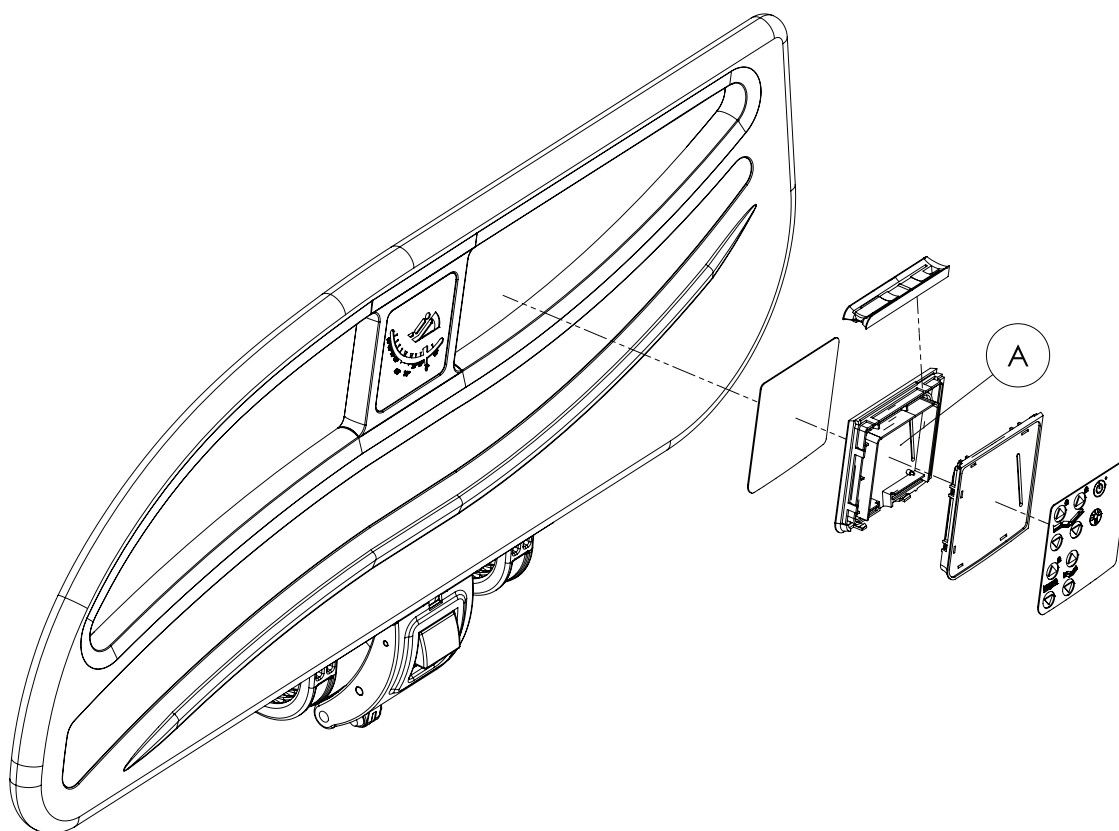
Assembly part number: HM-17-156 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-156	Multi-junction box	1



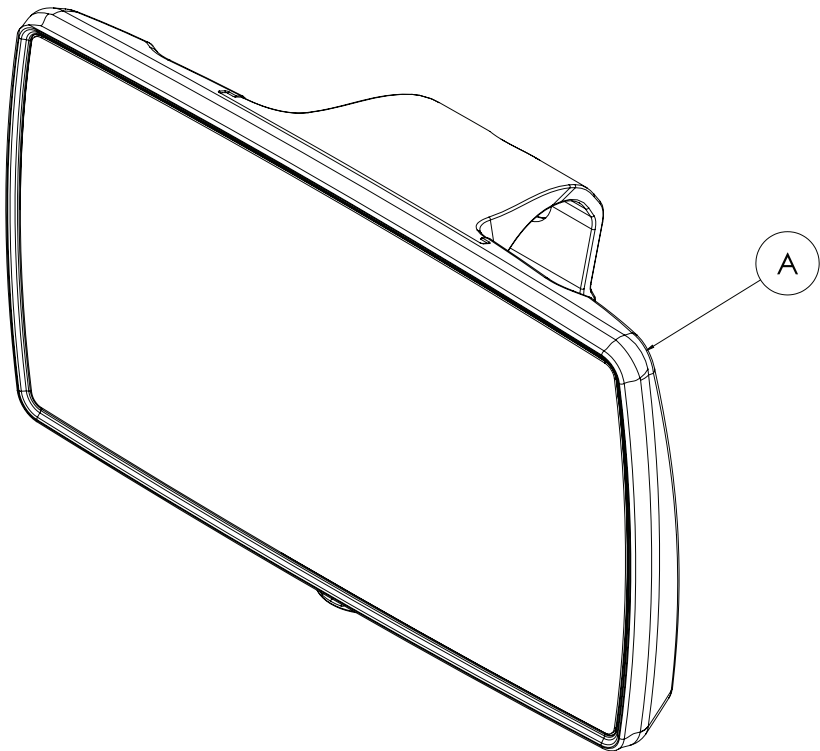
Assembly part number: YM-26-31 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	YM-26-31	Siderail control panel	1



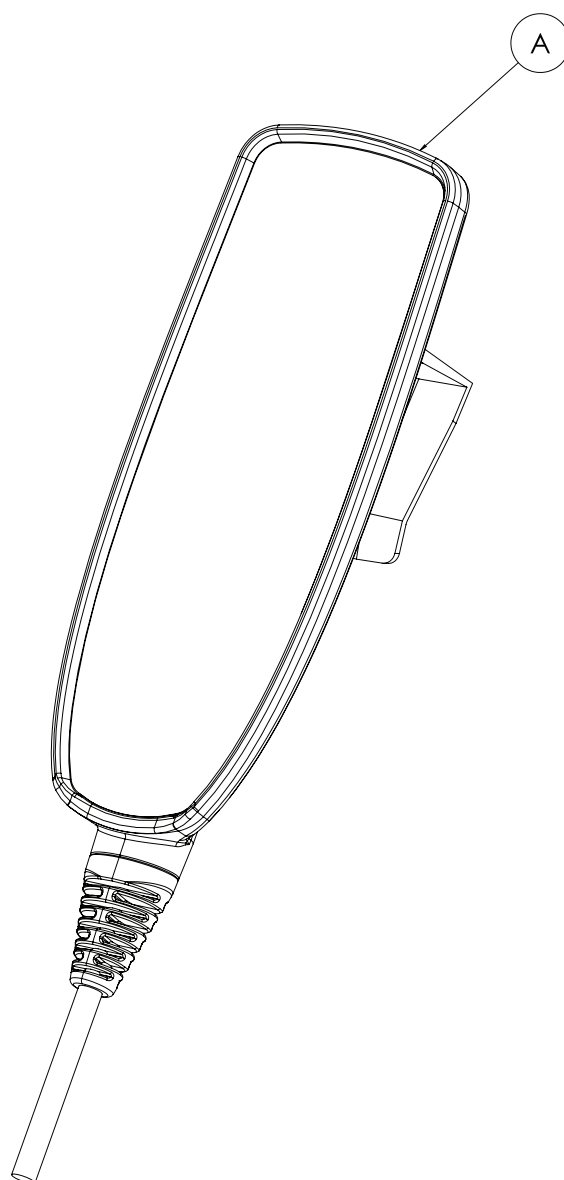
Assembly part number: HM-17-168 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-168	Nurse control pendant	1



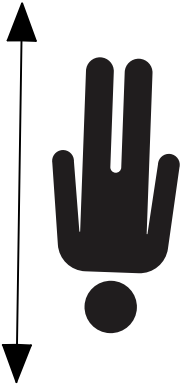
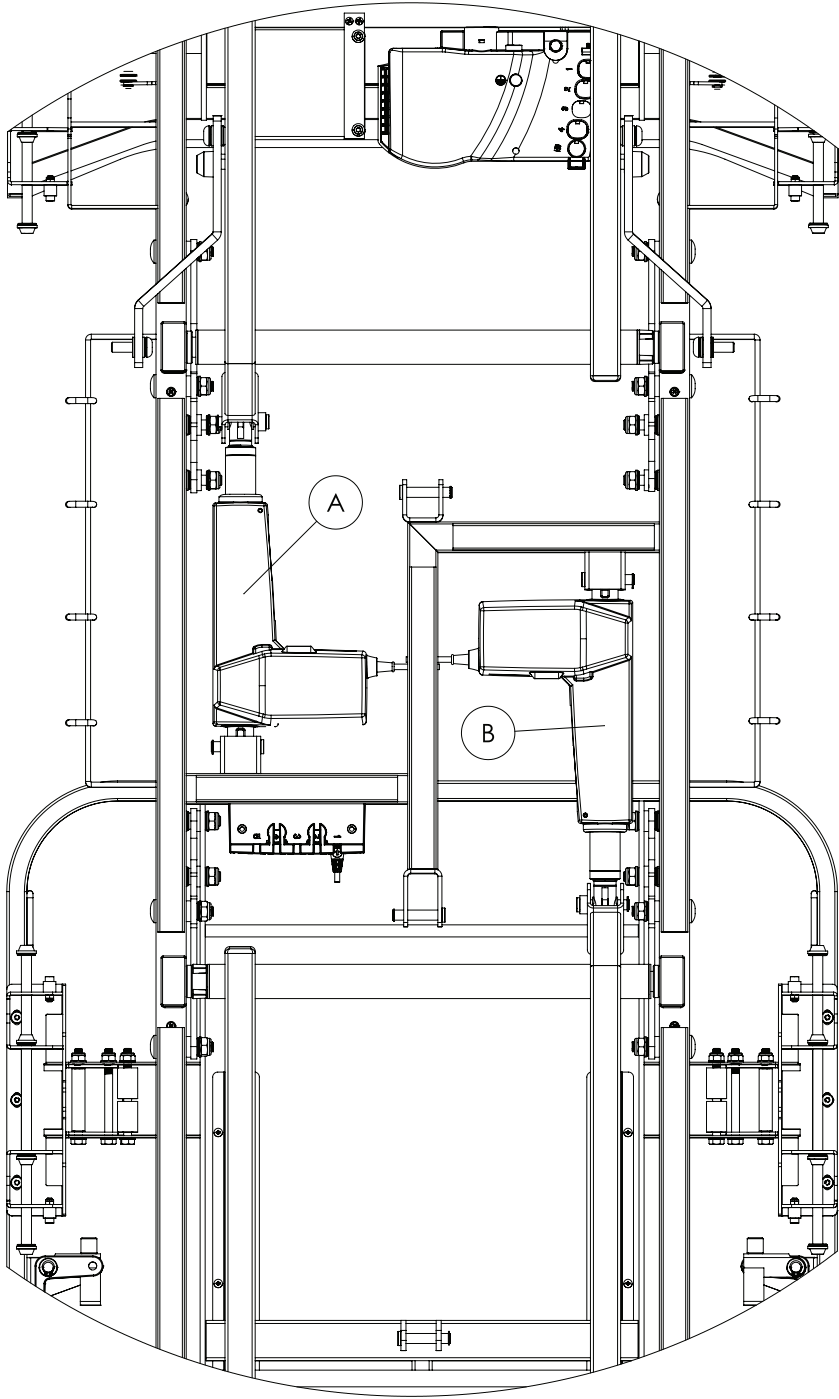
Assembly part number: HM-17-219 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-219	Patient control pendant	1



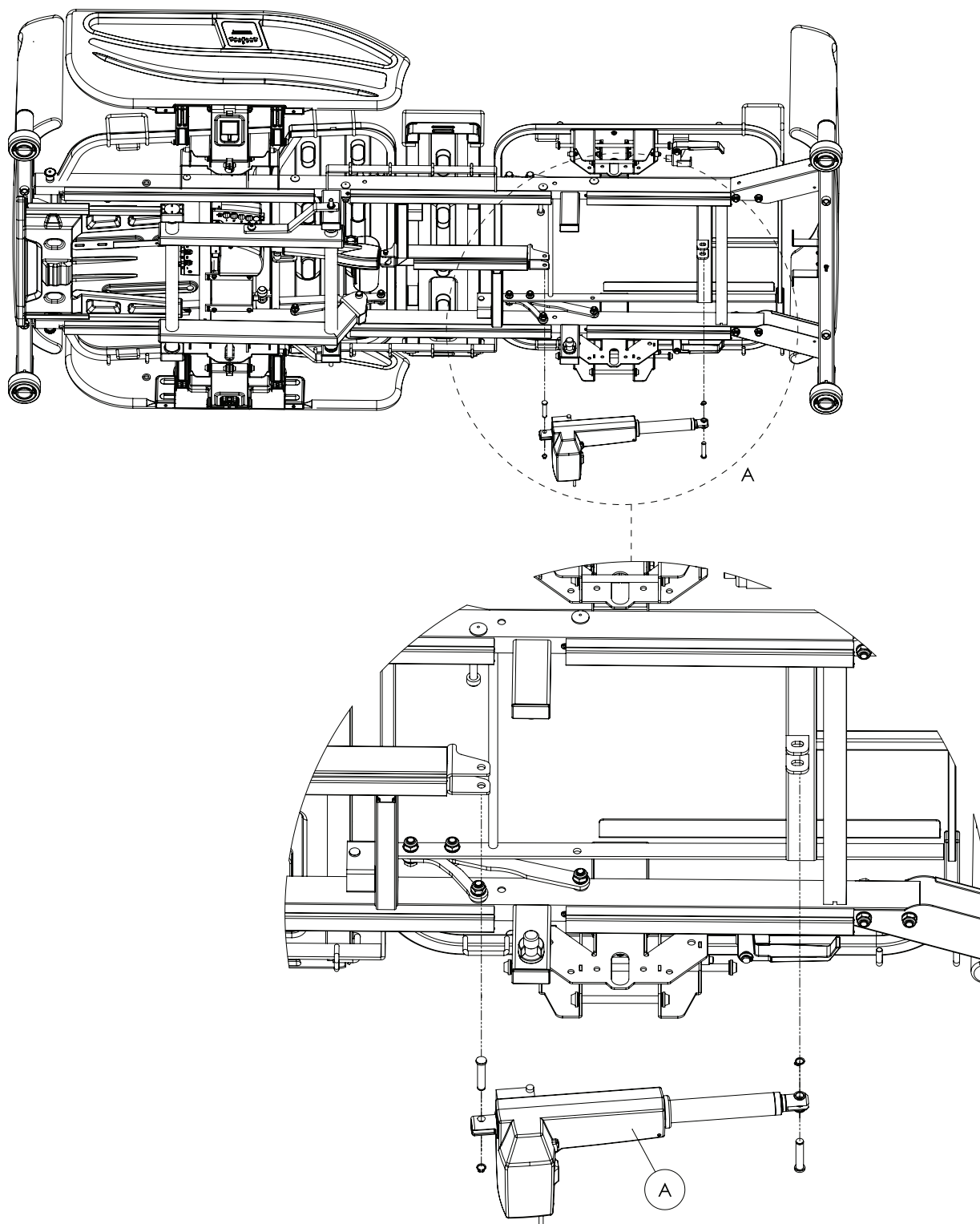
Assembly part number: HM-17-100 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-100	Hi-lo actuator	1
B	HM-17-100	Hi-lo actuator	1



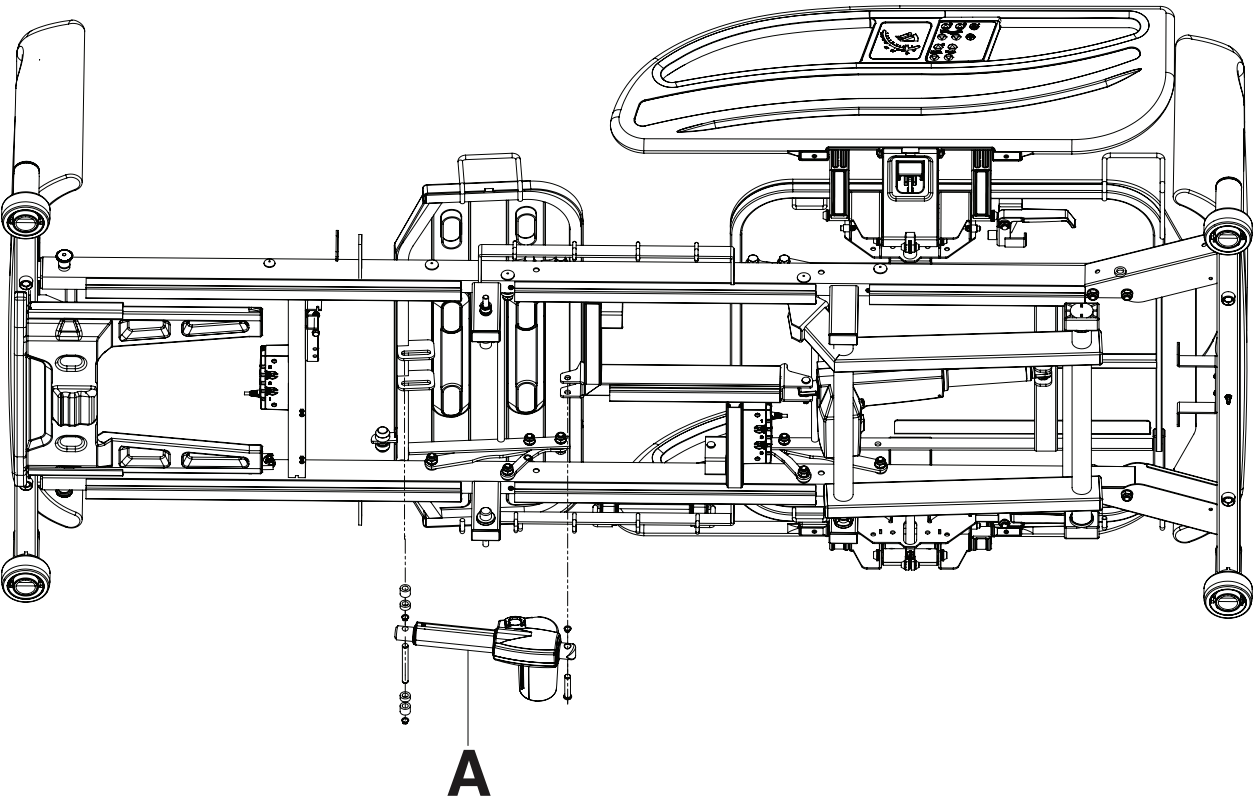
Assembly part number: HM-17-248 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-248	Fowler / backrest actuator	1



Assembly part number: HM-17-249 (Reference only)



Item	Recycling/Material Code	Important	Quantity
A	HM-17-249	Leg rest actuator	1

EMC information

Guidance and Manufacturer's Declaration - Electromagnetic Emissions		
SV1 is intended for use in an electromagnetic environment specified below. The customer or the user of SV1 should assure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic Environment
RF Emissions CISPR 11	Group 1	SV1 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	SV1 is suitable for use in all establishments other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations Flicker Emissions IEC 61000-3-3	Complies	

Guidance and Manufacturer's Declaration - Electromagnetic Immunity			
SV1 is suitable for use in the electromagnetic environment specified below. The customer or the user of SV1 should assure that it is used in such an environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic fast Transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	± 2 kV for power supply lines ± 1 kV for input/output lines	Main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV differential mode ± 2 kV common mode	± 1 kV differential mode ± 2 kV common mode	Main power quality is that of a typical commercial and/or hospital environment.

EMC information


(Continued)

Guidance and Manufacturer's Declaration - Electromagnetic Immunity			
Voltage dips, voltage variations and short interruptions on power supply input lines IEC 61000-4-11	$<5\%U_T$ (95% dip in U_T) for 0.5 cycle $40\%U_T$ (60% dip in U_T) for 5 cycles $70\%U_T$ (30% dip in U_T) for 25 cycles $<5\% U_T$ (>95% dip in U_T) for 5 sec.	$<5\%U_T$ (95% dip in U_T) for 0.5 cycle $40\%U_T$ (60% dip in U_T) for 5 cycles $70\%U_T$ (30% dip in U_T) for 25 cycles $<5\% U_T$ (>95% dip in U_T) for 5 sec.	Main power quality should be that of a typical commercial and/or hospital environment. If the user of SV1 requires continued operation during power main interruptions, it is recommended that the device be powered from an uninterrupted power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial and/or hospital environment.
Note: U_T is the a.c. mains voltage prior to applications of the test level.			

Guidance and Manufacturer's Declaration - Electromagnetic Immunity			
SV1 is suited for use in the electromagnetic environment specified below. The customer or the user of SV1 should assure that it is used in such an environment.			
Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance

EMC information

(Continued)

<p>Conducted RF IEC 61000-4-6</p> <p>Radiated RF IEC 61000-4-3</p>	<p>3 Vrms 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2.5 GHz</p>	<p>3 Vrms 3 V/m</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of SV1, including cables, than the recommended separation distance calculated from the equation appropriate for the frequency of the transmitter.</p> <p>Recommended separation distance</p> <p>$D=(1.2) (\sqrt{P})$</p> <p>$D=(1.2) (\sqrt{P})$</p> <p>80 MHz to 800 MHz</p> <p>$D=(2.3) (\sqrt{P})$</p> <p>800 MHz to 2.5 GHz</p> <p>Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,^a should be less than the compliance level in each frequency range.^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
<p>Note 1: At 80 MHz and 800 MHz, the higher frequency range applies.</p> <p>Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>			

EMC information

(Continued)

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which **SV1** is used exceeds the applicable RF compliance level above, **SV1** should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating **SV1**.

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

Recommended separation distances between portable and mobile RF communications equipment and SV1			
SV1 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of SV1 can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and SV1 as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $D=(1.2) (\sqrt{P})$	80 MHz to 800 MHz $D=(1.2) (\sqrt{P})$	800 MHz to 2.5 GHz $D=(2.3) (\sqrt{P})$
0.01	1.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
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.			



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