

**MedSurg Bed**  
Model FL23P

# stryker<sup>®</sup>

## Maintenance Manual



For Parts or Technical Assistance:  
USA: 1-800-327-0770 (option 2)  
Canada: 1-888-233-6888



# Table of Contents

---

Introduction . . . . .	6
Intended Use . . . . .	6
Product Illustration . . . . .	6
Specifications . . . . .	7
Warning / Caution / Note Definition . . . . .	7
Symbols . . . . .	8
Preventative Maintenance . . . . .	9
Annual Checklist . . . . .	9
Lubrication Requirements . . . . .	10
Lubrication Annual Checklist . . . . .	10
Cleaning . . . . .	12
Bed Cleaning . . . . .	12
Mattress Care . . . . .	12
Quick Reference Replacement Parts List . . . . .	13
Maintenance Procedures . . . . .	14
Tamper Proof Option . . . . .	14
Siderail - Rail Replacement . . . . .	15
Siderail Assembly Replacement . . . . .	17
Transfer Plate Replacement . . . . .	18
Short Gatch Replacement . . . . .	19
Long Gatch Replacement . . . . .	19
Short Gatch Replacement . . . . .	20
Long Gatch Replacement . . . . .	20
Mattress Support - Gatch Replacement (only with SHort Gatch) . . . . .	22
Mattress Support - Seat Section Replacement . . . . .	23
Mattress Support - Fowler Replacement . . . . .	24
Crank . . . . .	26
Fowler Crank Screw Replacement . . . . .	27
Gatch Crank Screw Replacement . . . . .	29
Lubrication of the Fowler and Gatch Crank Screws . . . . .	31
Bed Lift Mechanism - Molded Nut and/or Foot Translation Screw Replacement . . . . .	32
Base - Brake/Steer Pedal Replacement . . . . .	34
Base - Fifth Wheel Caster Replacement (Optional) . . . . .	35
Base - Fifth Wheel Assembly Replacement (Optional) . . . . .	35
Base - Fifth Wheel Swing Arm Assembly Replacement (Optional) . . . . .	36
Bed Caster Replacement . . . . .	37
Brake Rod Replacement . . . . .	38
Bed Caster with brake mechanism Replacement . . . . .	39
Assembly Drawings	
Base . . . . .	41

# Table of Contents

---

## Assembly Drawings (Continued)

Bed on 6" Legs . . . . .	42
Brake Mechanism without Fifth Wheel . . . . .	43
Brake Mechanism with Fifth Wheel . . . . .	47
6" Casters without Fifth Wheel . . . . .	49
6" Casters with Fifth Wheel . . . . .	50
6" Casters with Brake Mechanism. . . . .	51
Fifth Wheel . . . . .	53
Bed Lift Mechanism . . . . .	57
Short Frame . . . . .	61
Bumpers - One Rigid Roller . . . . .	63
Bumpers - Two Soft Rollers . . . . .	64
Short Bed Bumper . . . . .	65
Trendelenburg and Foot Elevation Options . . . . .	66
Trendelenburg Options . . . . .	71
Foot Elevation Option . . . . .	75
Without Optional Movements. . . . .	79
Head Elevation. . . . .	81
Without I.V. Pole Option. . . . .	85
With I.V. Pole Option . . . . .	86
Fixed Cranks . . . . .	87
Removable Crank. . . . .	89
Fixed Crank without Gatch . . . . .	91
Removable Crank without Gatch . . . . .	93
Crank for Optional Removable Crank. . . . .	94
Short Foot Litter with Hooks . . . . .	95
Short Foot Litter without Hooks . . . . .	97
Long Foot Litter with Hooks. . . . .	99
Long Foot Litter without Hooks . . . . .	101
Stickers English Only . . . . .	103
Stickers English/Spanish . . . . .	105
Stickers French/English . . . . .	107
Full-Length Retractable Siderail without Controls . . . . .	109
Half-Length Retractable Siderail . . . . .	113
Head Half-Length Siderail Only . . . . .	117
Melamine Board. . . . .	121
Laminated MDF Board . . . . .	123
Solid Wood Board . . . . .	125
Post Set. . . . .	127
Board Locking Screw . . . . .	129



# Table of Contents

---

Optional Bed Accessories . . . . .	131
Optional Removable I.V. Pole - FDTSH. . . . .	132
Optional 1" Diameter Removable I.V. Pole - FA61002-G. . . . .	133
Optional 1" Diameter Fixed I.V. Pole - FA64157 . . . . .	134
Optional Monitor Tray - FA64153 . . . . .	135
Optional Upright Oxygen Bottle Holder - FA64117. . . . .	136
Optional Oxygen Bottle Holder - FA64036-G . . . . .	137
Optional Overhead Trapeze - FA64145. . . . .	139
Optional Half-Length Siderail Protective Pads - DM64232. . . . .	141
Optional Full-Length Siderail Protective Pads - DM64176 . . . . .	141
Warranty. . . . .	142
Limited Warranty . . . . .	142
To Obtain Parts and Service . . . . .	142
Service Contract Coverage . . . . .	142
Service Contract Programs . . . . .	143
Return Authorization . . . . .	143
Damaged Merchandise. . . . .	143
International Warranty Clause . . . . .	143

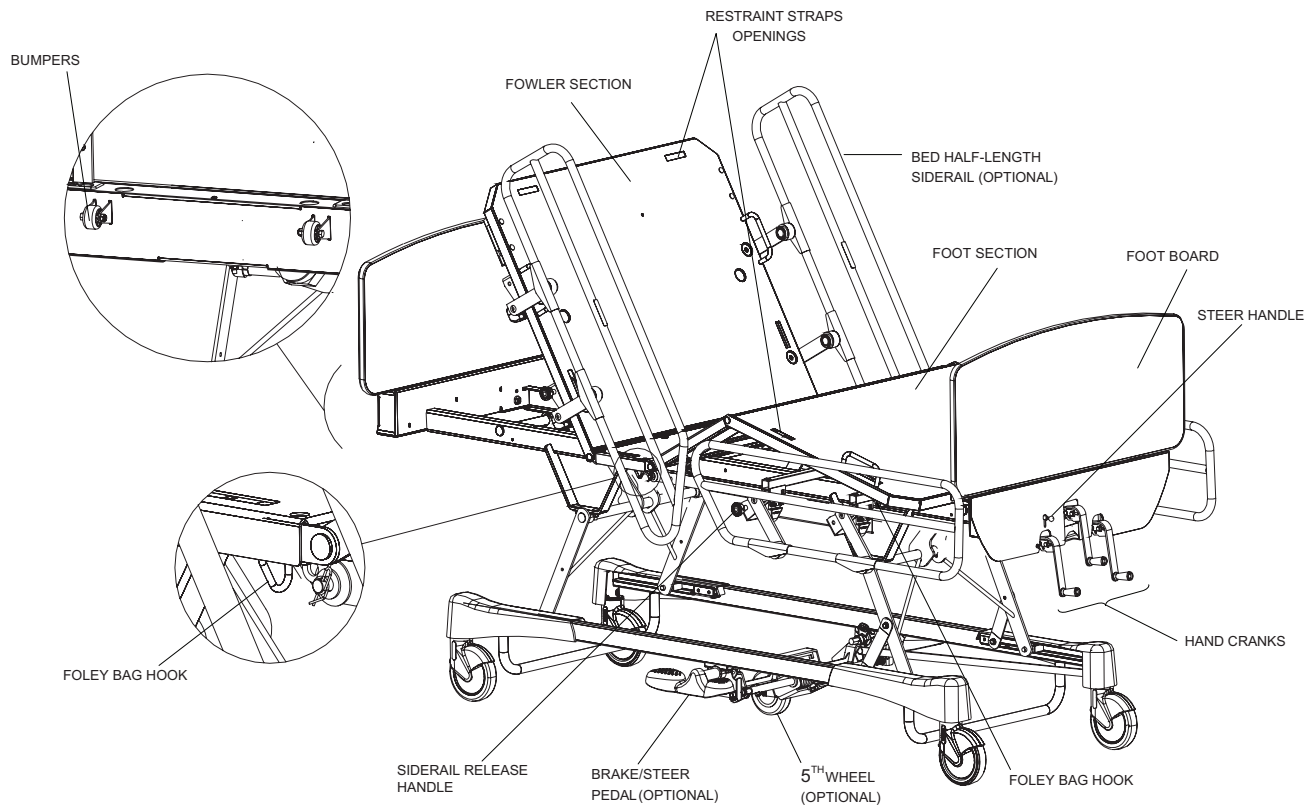
# Introduction

## INTENDED USE

This manual is designed to assist in the maintenance of Stryker's FL23P Manual MedSurg bed. Read it thoroughly before beginning any service on the bed. Qualified maintenance personnel should be able to refer to this manual at all time when servicing the bed.


This Maintenance manual is an integral part of the bed and should be included if the bed is sold or transferred.

## PRODUCT ILLUSTRATION



# Introduction

## SPECIFICATIONS

	Safe Working Load*		500 lb	227 kg
	<b>Note:</b> The Safe Working Load is the total weight of the patient, mattress and accessory.			
Overall Length/Width		Half-Length Siderails Raised	90.4" x 41.3"	2296 x 1049 mm
		Full-Length Siderails Raised	90.4" x 39.9"	2296 x 1013 mm
Weight with Boards			390 lb	177 kg
Patient Sleep Surface			35 x 78"	89 x 198 cm
Recommended Mattress Size	Length/Width		35 x 78" or 80"	89 x 198 cm or 203 cm
	<b>Maximum</b> Thickness		6"	15.24 cm
Minimum/Maximum Bed Height			15" to 29"	38.1 to 73.66 cm
Fowler Angle			0° to 62°	
Knee Gatch Angle			0° to 32°	
Trendelenburg / Reverse Trendelenburg			+14° to -14°	

**Stryker reserves the right to change specifications without notice.**

The specifications listed above are approximate and may slightly vary from unit to unit.

## 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 equipment 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**

This provides special information to make maintenance easier or important instructions clearer.

# Symbols

---



Warning, consult accompanying documentation



Safe Working Load Symbol

# Preventative Maintenance

## WARNING

When servicing, use only identical replacement parts provided by Stryker.

### ANNUAL CHECKLIST

- \_\_\_\_\_ All fasteners secure.
- \_\_\_\_\_ Inspect for excessive wear the oil-impregnated bronze bushings found at the bed hinge points. **Do not** lubricate these bushings, replace as needed.
- \_\_\_\_\_ Inspect the whole mechanism of each siderail; ensure that all mobile and fixed parts are properly fastened. A siderail that is difficult to operate, does not latch in high position or latches with difficulty is often due to loose fasteners. Tighten bolts and nuts properly.
- \_\_\_\_\_ Check the operation of each siderail: they must pivot easily and latch in high position immediately. In locked position, the siderail must remain totally still and offer solid support; they must drop when the release lever is used.
- \_\_\_\_\_ On both sides of the bed, depress fully down the side of the pedal identified with a red sticker and ensure that the brakes are applied and the bed immobilized. Toggle the pedal to neutral and ensure the brakes are released.
- \_\_\_\_\_ On both sides of the bed, depress fully down the side of the pedal identified with a green sticker and ensure that the steer mode - bed steer caster or optional fifth wheel - is engaged. Toggle the pedal to neutral and ensure that the steer mode disengages.
- \_\_\_\_\_ Check the Trendelenburg positioning. Refer to the “Trendelenburg Positioning” section in the Operations Manual to engage these positions.
- \_\_\_\_\_ Check the foot prop rod for proper operation.
- \_\_\_\_\_ No cracks or splits in the boards.
- \_\_\_\_\_ Bumpers tightly secured to frame and working properly.
- \_\_\_\_\_ No rips or cracks in mattress cover. Replace mattress cover if ripped or cracked.
- \_\_\_\_\_ All casters roll properly. Check caster for cuts, wear, etc. Remove accumulated grime.
- \_\_\_\_\_ Inspect and lubricate, if necessary, the bed lubrication points described and illustrated in the “Lubrication Requirements” section on [page 10](#).

### Note

Preventative maintenance may need to be performed more frequently if the bed is used intensively.

Serial Number:		

Completed by: \_\_\_\_\_

Date: \_\_\_\_\_

[Return To Table of Contents](#)

# Preventative Maintenance

## LUBRICATION REQUIREMENTS

Listed below are the lubrication points. Lubrication must be done on a yearly basis.

### WARNING

The use of grease other than the one recommended (OG2) could lead to deterioration of the critical parts and to mechanism failure, resulting in injury to the patient and/or user and damage to the bed.

### CAUTION

This bed uses oil-impregnated bushings at hinge points. Do not lubricate these bushings. When bushings are found worn, replace them.

## LUBRICATION ANNUAL CHECKLIST

### \_\_\_ Bed Lift Mechanism (see Figure 2.2A on [page 11](#))

- Lubricate the threads of the two Hi-Lo screws. Grease only the threads the molded nut moves over. Activate the bed lift mechanism to spread the grease evenly.
- Lubricate the path and the clutch fork on the clutch coupling.

### \_\_\_ Actuator Screws (see Figure 2.2B on [page 11](#))

- Lubricate the Fowler and Knee Gatch actuator screws. Refer to [page 31](#) for the lubrication procedure.

### \_\_\_ Hand Cranks (see Figure 2.2C on [page 11](#))

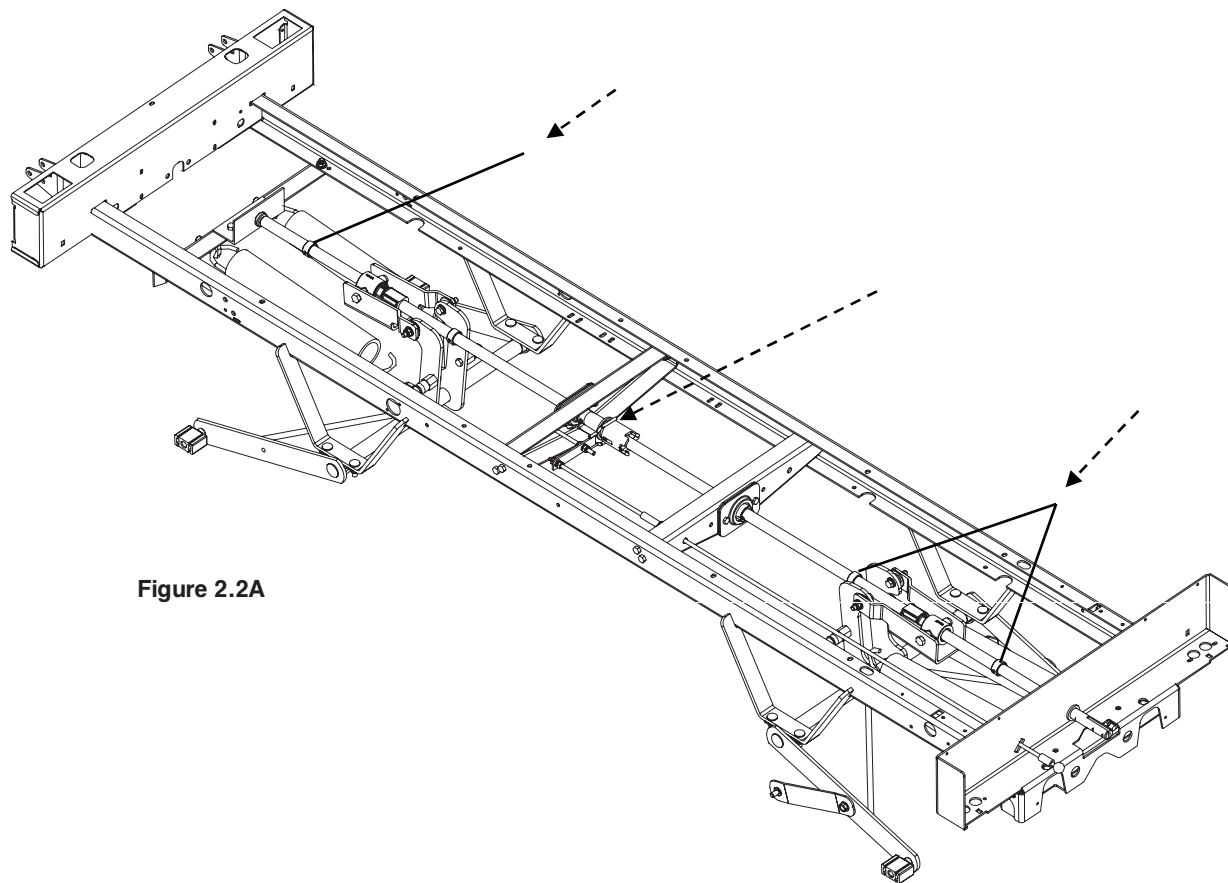
- Clean and grease the retractable pin joint.

Serial Numbers:		

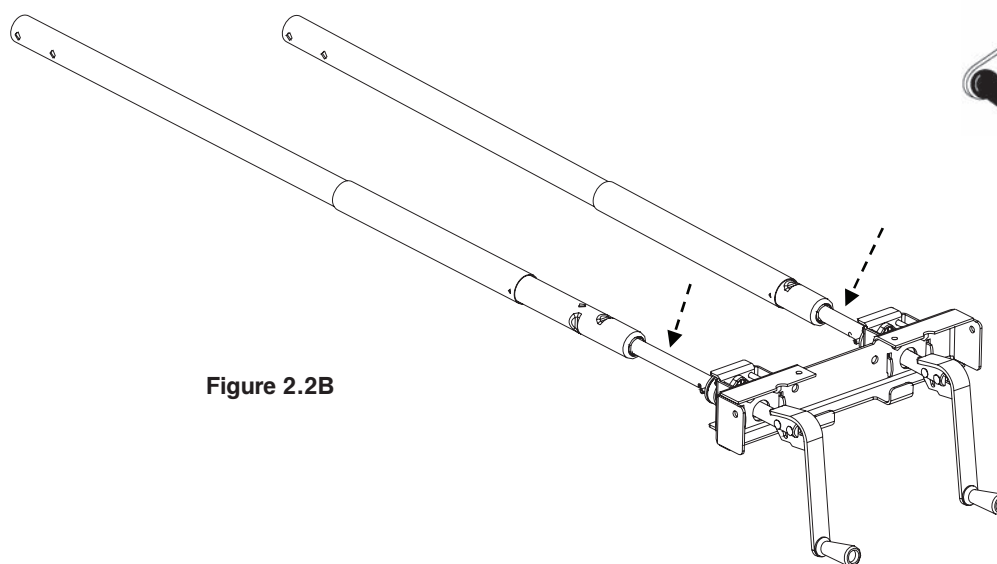
Completed by: \_\_\_\_\_

Date: \_\_\_\_\_

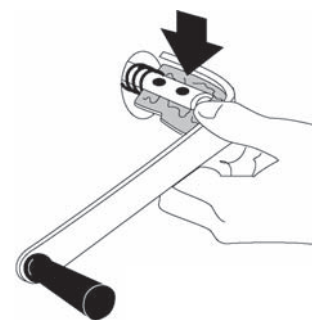
# Preventative Maintenance



**Figure 2.2A**



**Figure 2.2B**



**Figure 2.2C**

[Return To Table of Contents](#)

# Cleaning

---

## BED CLEANING

Hand wash all surfaces of the bed with warm water and mild detergent. Wipe the bed clean and DRY THOROUGHLY to avoid build up of cleaning solution. Do not steam clean or hose off the bed. Do not immerse any part of the bed. Some of the internal parts of the bed are electric and may be damaged by exposure to water.

Suggested cleaners for bed surfaces:

- Quaternary Cleaners (active ingredient - ammonium chloride).
- Phenolic Cleaners (active ingredient - o-phenylphenol).
- Chlorinated Bleach Solution (5.25% - less than 1 part bleach to 100 parts water).

Avoid over saturation and ensure the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.

---

### CAUTION

SOME CLEANING PRODUCTS ARE CORROSIVE IN NATURE AND MAY CAUSE DAMAGE TO THE PRODUCT IF USED IMPROPERLY. If the products described above are used to clean Stryker patient care equipment, measures must be taken to ensure the beds are wiped with a damp cloth soaked in clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, possibly causing premature corrosion of critical components. Failure to follow the above directions when using these types of cleaners may void this product's warranty.

## MATTRESS CARE

Inspect the mattress after each use. Discontinue use if any cracks or rips are found in the mattress cover as these openings may allow fluid to enter the mattress.



## Quick Reference Replacement Parts List

The parts and accessories listed on this page are all currently available for purchase. Some of the parts identified on the assembly drawing parts in this manual may not be individually available for purchase. Please call Stryker Customer Service USA: 1 800 327-0770 or Canada 1-888-233-6888 for availability and pricing.

Description	Part Number
<b>Siderail Components</b>	
Half-Length Siderail Transfer Plate - Right	23-0778G / 23-0818G
Half-Length Siderail Transfer Plate - Left	23-0777G / 23-0817G
<b>Mattress Support Components</b>	
Lateral Mattress Retainer	QDF23-0831C
I.V. Pole Holder	QP17-0121-07 / QP23-0829
<b>Caster</b>	
6" with Lock Mechanism	RD25038807
6" without Lock Mechanism	RD25049307
6" with Steer Mechanism	RD25049607
Fifth Wheel Caster (Optional)	RL5
6" with Brake Mechanism	RD23084207
<b>Base Components</b>	
Green Sticker - Fifth Wheel	QE71-0496
Red Sticker - Brake	QE71-0511
Brake/Steer Pedal	QP23-0627
<b>Miscellaneous</b>	
Grey Spray Paint	DDCAP-GSP
Bushing	QDF17-0020
Nylon Cable Tie	QDF9518

# Maintenance Procedures

## WARNING

- To prevent injury when working under the bed with the bed in the high position, always place blocks under the Hi-Lo levers and apply the brakes.
- Only qualified maintenance personnel should perform the procedures detailed in this maintenance manual. Failure to observe this restriction can result in serious damage to material and/or severe injury to people.

### Note

The words “right” and “left” used in this manual refer to the right and left sides of a patient lying face up on the bed.

## TAMPER PROOF OPTION

The bed might be equipped with the tamper proof option to avoid some pieces from being disassembled by other persons than medical or maintenance personnel. If this option is available on the bed, refer to the table below to have the equivalences of the regular tools and pieces in the following pages (Maintenance Procedures).

Standard Tools	Tamper Proof Option Tools
7/16" Socket	#20 Tamper Proof Socket (1/4" Nut)
1/2" Socket	#30 Tamper Proof Socket (5/16" Nut)
9/16" Socket	#30 Tamper Proof Socket (3/8" Nut)
7/16" Wrench	T-30 Tamper Proof
1/2" Wrench	T-40 Tamper Proof
9/16" Wrench	T-40 Tamper Proof
Phillips Screwdriver	T-15, T-25 or T30 Tamper Proof (Depending on the size of the screw)

### Note

**Tool Kit FA64235** containing all the tools stated in the table is available for this option when present on the product.

# Maintenance Procedures

---

## SIDERAIL - RAIL REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- Small Regular Screwdriver
- Needle Nose Pliers
- Rubber Mallet
- 7/16" Socket
- 3/8" Drive Ratchet

### Procedure:

1. Raise the bed to the full upright position and then apply the brakes.
2. Position all the mattress support sections to flat.
3. Unplug the bed power cord from the power source.
4. Raise the siderail needing repair.
5. Using a small regular screwdriver and needle nose pliers, remove the two protective caps (A). Be careful while using the tools not to damage the siderail paint.

### Note

Replace the caps using a rubber mallet. The removal of the caps may damage them; make sure you have some on hand.

6.
  - a. For a head siderail, using the 7/16" socket, remove the nut, spring washer and spacer holding the rail in place.
  - b. For a foot siderail, using the 7/16" socket, remove the nut, the spring washer and the spacer holding the siderail in place (B).

### Note

Inspect the self-lubricating bearings for wear and replace them if need be.

7. Reverse the above steps to install the replacement rail.
8. Verify the siderail movement for proper operation before returning the bed to service.

# Maintenance Procedures

## SIDERAIL - RAIL REPLACEMENT (CONTINUED)

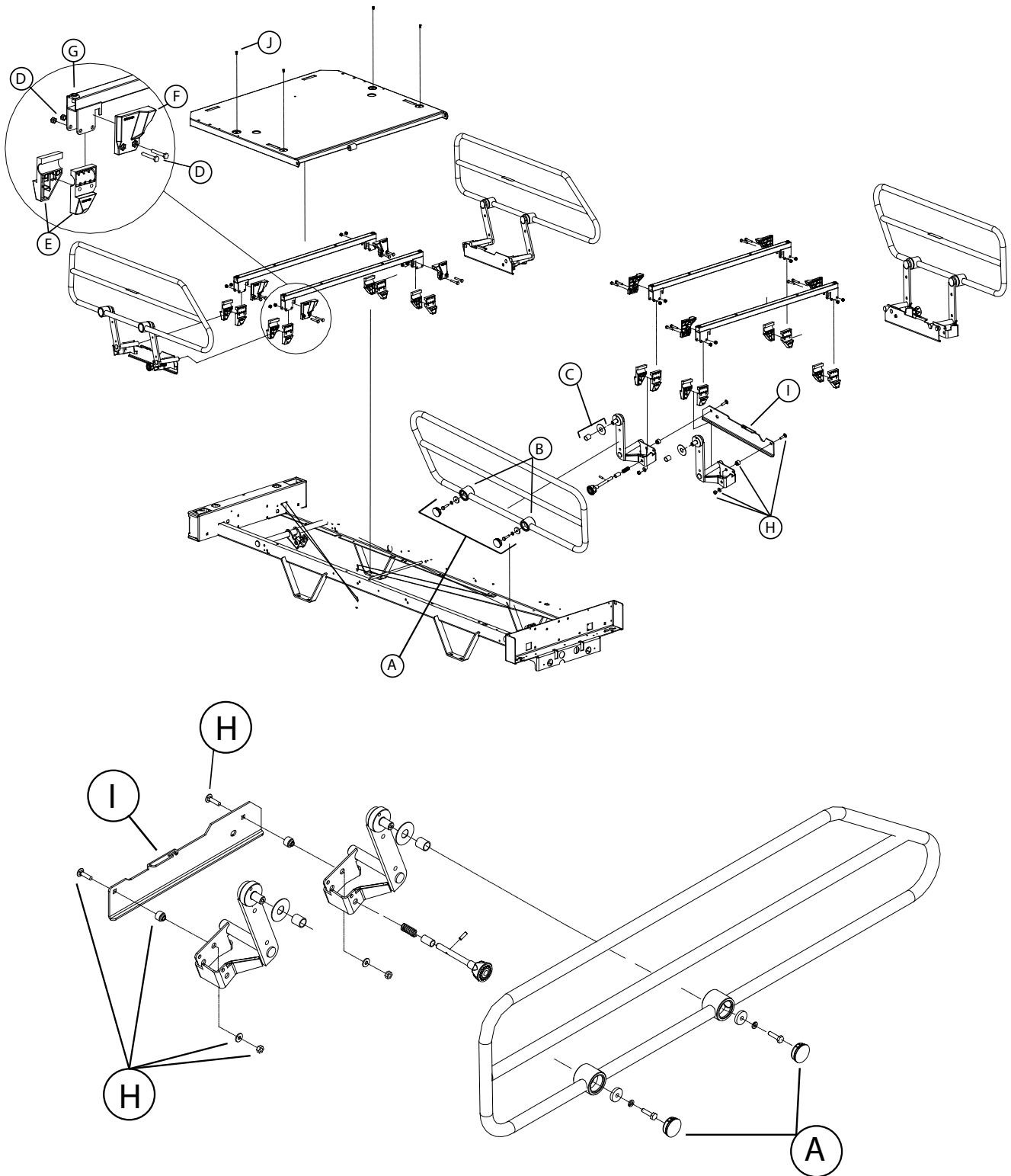


Figure 3.1A

# Maintenance Procedures

---

## SIDERAIL ASSEMBLY REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 3/8" Drive Ratchet
- 7/16" Socket
- 7/16" Combination Wrench
- Diagonal Pliers

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.1A on [page 16](#) for the illustration of the references contained in the following replacement procedure.

1. Raise the bed to the full upright position and then apply the brakes.
2. Depending on the position of the siderail needing repair, place the mattress support sections as follows:
  - **Head Siderail:** Raise the fowler fully up.
  - **Foot Siderail:** Lower completely the fowler. Raise the gatch fully up, then lift and fold back the gatch toward the head end of the bed.
3. Raise the siderail needing repair.
4. Using a 7/16" socket and 7/16" combination wrench, remove the two locknuts and bolts (D) holding the two half bushings (E), the stopper (F) and the siderail mechanism from their location - hold the bushings to prevent them from falling to the ground.

### Note

First remove the two locknuts and bolts at one end of the assembly and, while holding the assembly, finish with the ones at the opposite end.

5. Reverse the above steps to install the replacement siderail assembly.
6. Verify the siderail for proper operation before returning the bed to service.

# Maintenance Procedures

---

## TRANSFER PLATE REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 3/8" Drive Ratchet
- 7/16" Socket
- 7/16" Combination Wrench
- Torque Wrench

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.1A on [page 16](#) for the illustration of the references contained in the following replacement procedure.

1. Raise the bed to the full upright position and then apply the brakes.
2. Depending on the type and the position of the siderail, place the mattress support sections as follows:
  - **Head Siderail:** Raise the fowler to the full upright position.
  - **Foot Siderail:** Lower completely the fowler. Raise to the full upright position the gatch, then lift and fold back the gatch toward the head end of the bed.
3. Lower the siderail needing repair.
4. Using a 7/16" socket and 7/16" combination wrench, remove the two locknuts, bushings, washers and bolts (H) holding the transfer plate (I) to the siderail mechanism.

### Note

At assembly, tighten the two locknuts to a 75 lb/in torque.

5. Reverse the above steps to install the replacement transfer plate.
6. Verify the siderail for proper operation before returning the bed to service.

# Maintenance Procedures

## SHORT GATCH REPLACEMENT

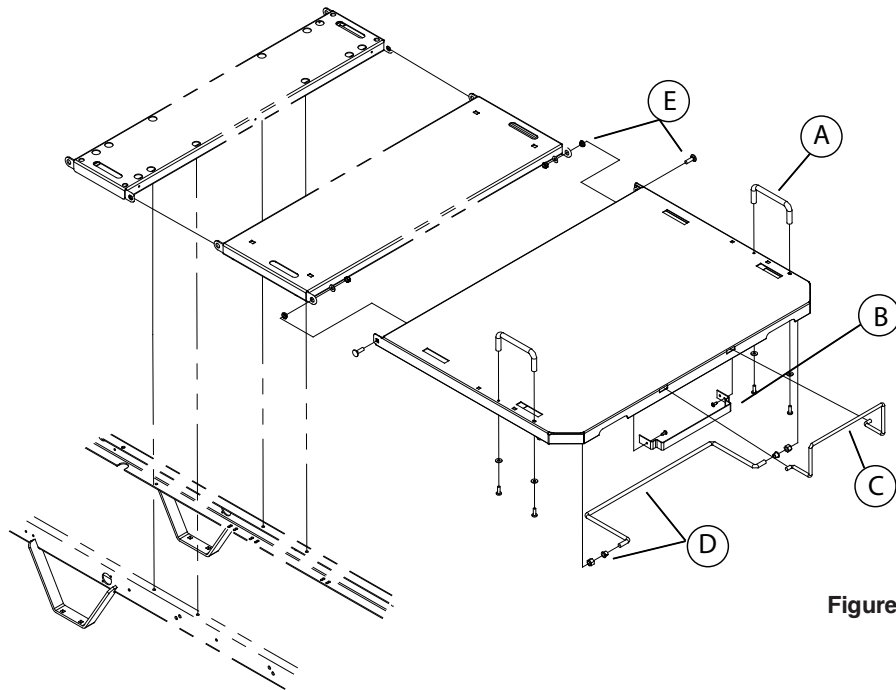


Figure 3.2A - short

## LONG GATCH REPLACEMENT

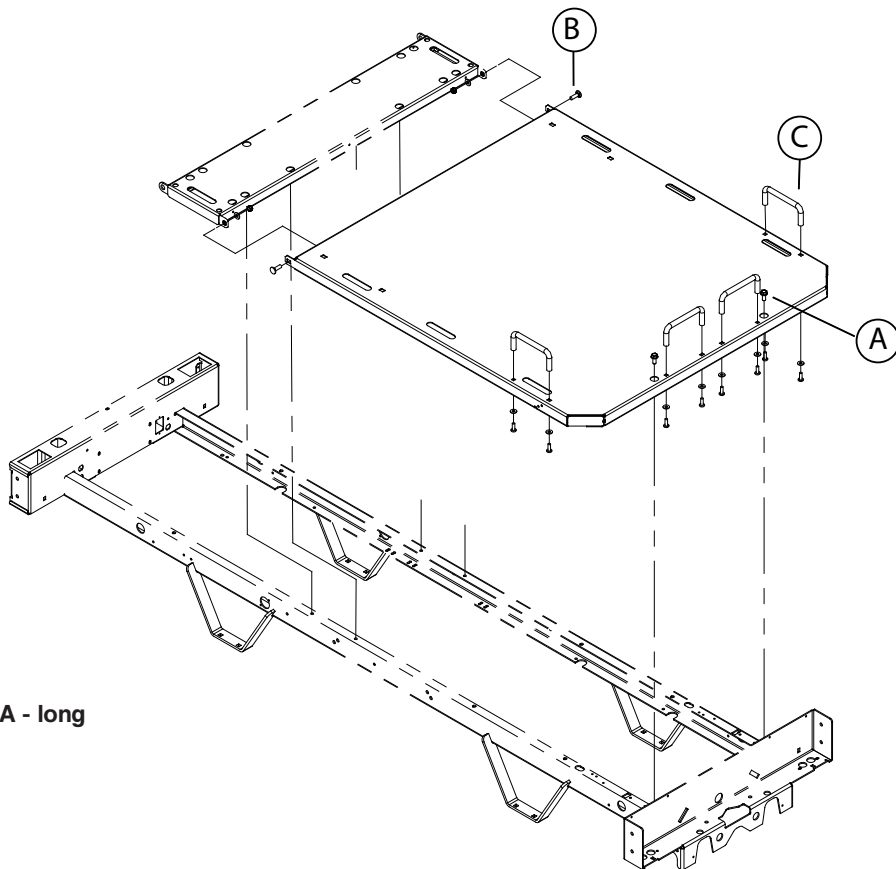


Figure 3.2A - long

# Maintenance Procedures

---

## SHORT GATCH REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

3/8" Drive Ratchet  
7/16" Socket

Phillips Screwdriver  
1/2" Combination Wrench

Bungee Cords  
9/16" Combination Wrench

### Procedure:

1. Raise the bed to the full upright position and then apply the brakes. Flatten all sections of the mattress support.
2. Lower the siderails.
3. Lift and fold back the gatch toward the head end of the bed. Secure the section to the bed using bungee cords.
4. Using the Phillips screwdriver, remove the lateral mattress retainers (A).
5. Using the Phillips screwdriver, remove the mattress retainer lock (B).
6. Remove the foot mattress retainer (C).
7. Using the 9/16" wrench, remove the support (D) from the gatch.
8. Remove the bungee cords and replace the gatch to horizontal position.
9. Using a 1/2" combination wrench, remove the two locknuts, washers, bushings and bolts (E) linking the gatch to the gatch and remove the defective section.
10. Reverse the above steps to install the replacement gatch.
11. Verify the gatch movement before returning the bed to service.

## LONG GATCH REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 3/8" Drive Ratchet
- 7/16" and 1/2" Socket
- 1/2" Combination Wrench
- Bungee Cord

### Procedure:

1. Raise the bed to the full upright position and then apply the brakes. Flatten all sections of the mattress support.
2. Lower the siderails.
3. Using the 1/2" socket, remove bolts (A).
4. Using the 1/2" wrench, remove both nuts, flat washers, and bolts (B) holding the gatch to the center section, remove the defective section.
5. Using the Phillips screwdriver, remove the four (4) mattress retainers (C) from the defective litter.
6. Reverse the above steps to install the replacement gatch
7. Verify the gatch movement before returning the bed to service



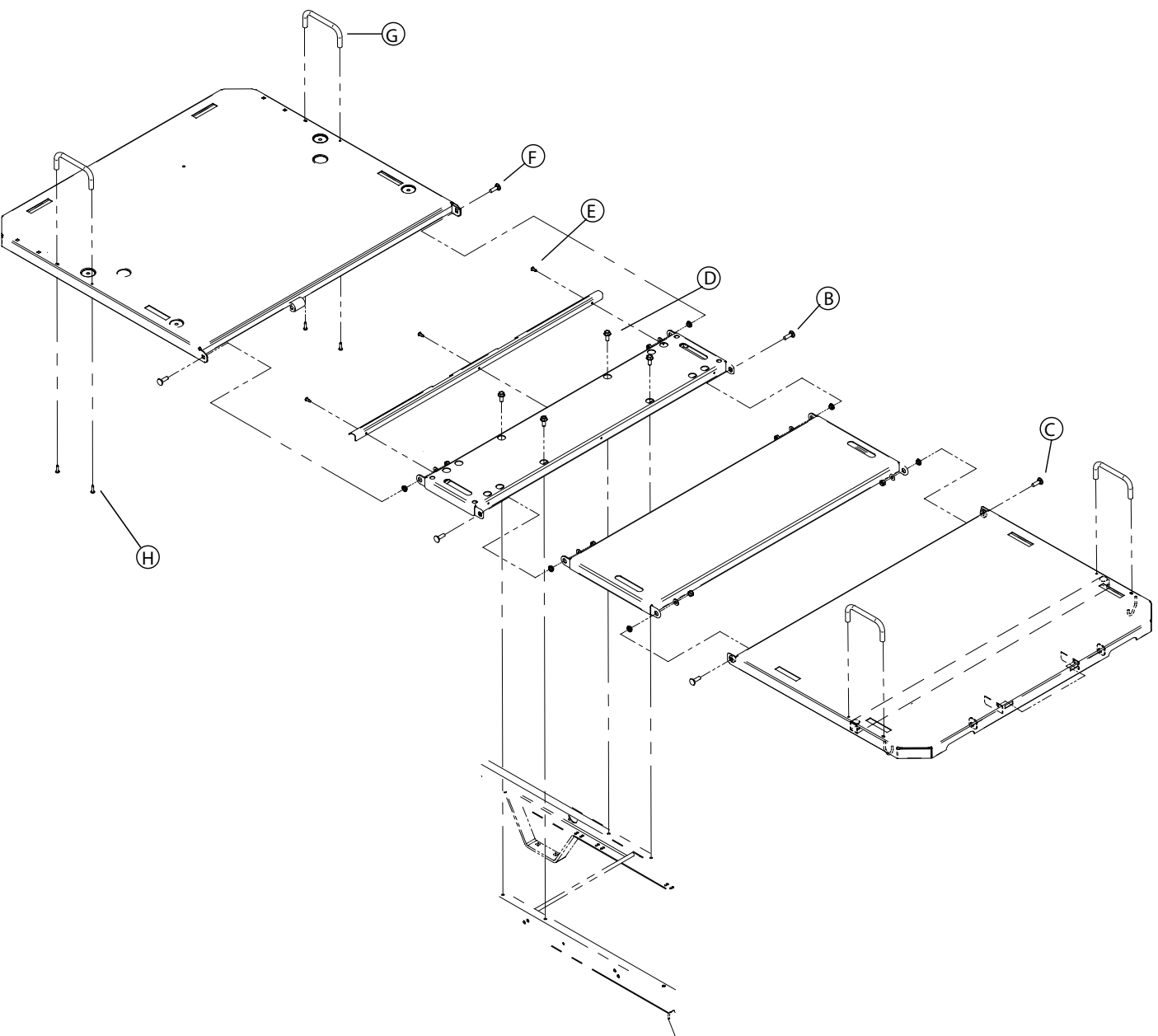


Figure 3.2A

# Maintenance Procedures

---

## MATTRESS SUPPORT - GATCH REPLACEMENT (ONLY WITH SHORT GATCH)

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

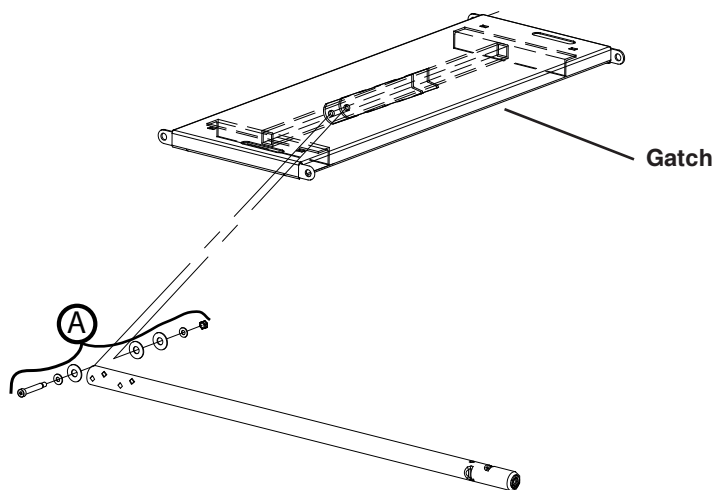
- 5/32" Allen Wrench
- 1/2" Combination Wrench
- Bungee Cords

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.2A on [page 21](#) for the illustration of the references contained in the following procedure.

1. Raise the bed to the full upright position and then apply the brakes. Flatten all sections of the mattress support.
2. Lower the siderails.
3. Using a 1/2" combination wrench, remove the four locknuts, washers, bushings and bolts (B, C) linking the gatch to the foot and seat sections and remove the gatch.
4. Using the 1/2" combination wrench and the 5/32" Allen wrench, remove the nut, flat washer and bolt (A) (See Figure below).
5. Reverse the above steps to install the replacement gatch.
6. Verify the gatch movement before returning the bed to service.



# Maintenance Procedures

---

## MATTRESS SUPPORT - SEAT SECTION REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 3/8" Drive Ratchet
- 1/2" Deep Socket
- 1/2" Combination Wrench
- Phillips Screwdriver
- Torque Wrench

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.2A on [page 21](#) for the illustration of the references contained in the following procedure.

1. Raise the bed to the full upright position and apply the brakes. Flatten the mattress support.
2. Lower the siderails.
3. Using a 1/2" deep socket, remove the four bolts (D) holding the seat section to the frame. (see [page 21](#))

### Note

Once removed, the self-tapping bolts must be first screwed in manually before tightening them to a 135 lb/in (14.7 Nm) torque using a torque wrench.

4. Using a 1/2" combination wrench, remove the four locknuts, washers, bushings and bolts (B, F) linking the seat section to the thigh and fowlers and remove the seat section.
5. Turn the seat section up side down and, using a Phillips screwdriver, remove the three screws (E) holding the protective plate to the seat section. Keep the plate for the replacement seat section.
6. Reverse the above steps to install the replacement seat section.

# Maintenance Procedures

---

## MATTRESS SUPPORT - FOWLER REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 3/8" Drive Ratchet
- 7/16" Socket
- Phillips Screwdriver
- Strap
- 1/2" Combination Wrench (2)

### Procedure:

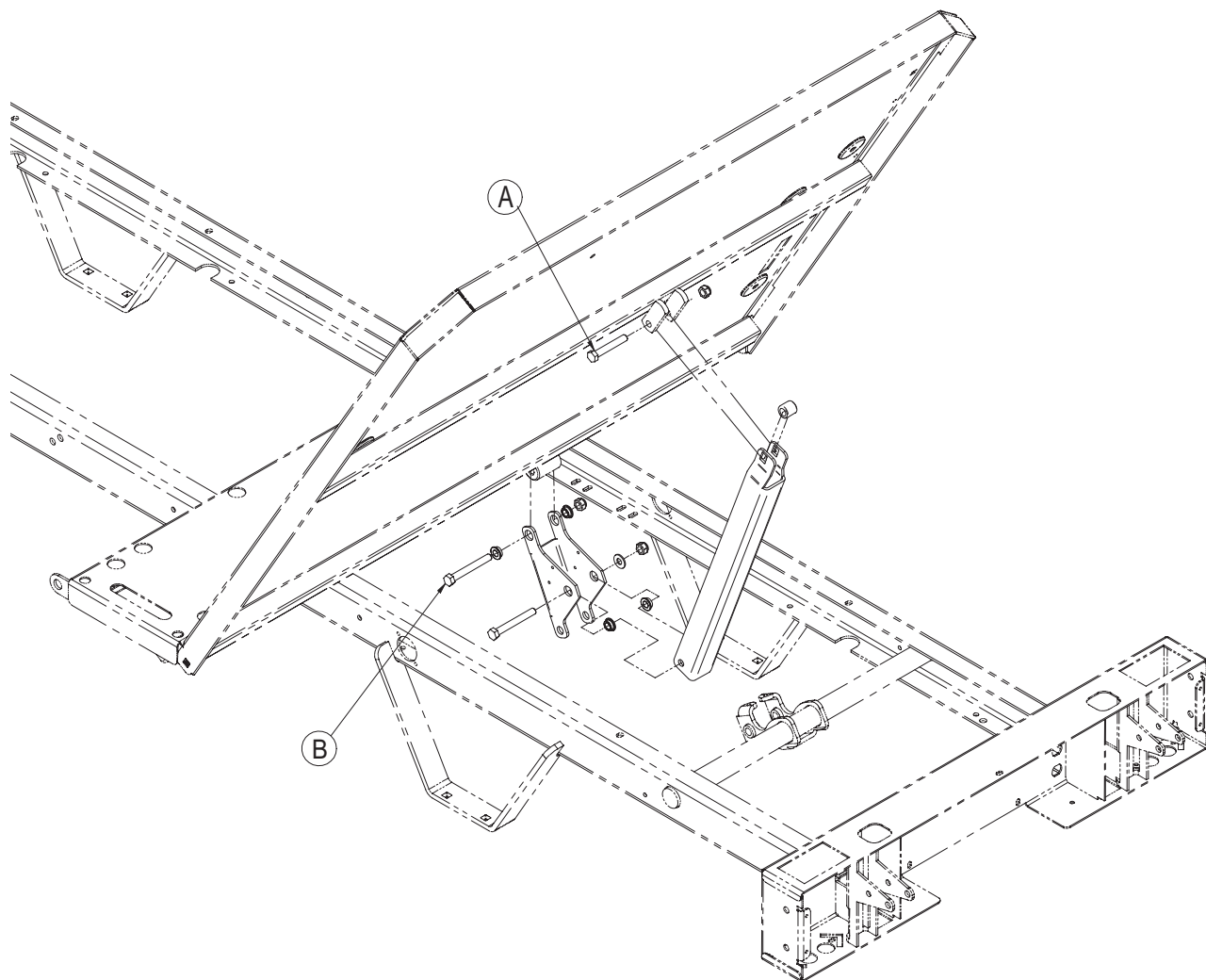
### Note

Unless otherwise indicated, refer to Figure 3.2A on [page 21](#) for the illustration of the references contained in the following procedure.

1. Raise the bed to the full upright position and then apply the brakes.
2. If the bed is equipped with full-length siderails, lower them.  
If equipped with half-length siderails, raise the head siderails and lower the foot ones.
3. Remove the head board.
4. Raise the fowler to the full upright position and attach it securely to the bed using a strap.
5. Using a Phillips screwdriver, remove the two lateral mattress retainers (G) and keep them for the replacement fowler.
6. Using two 1/2" combination wrenches, remove the locknut, spacer and bolt (A) holding the upper part of the compression bar to the fowler and lay it down.
7. Using two 1/2" combination wrenches, remove the locknut, bushing and bolt (B) linking the mattress support lever to the fowler.
8. Remove the strap and manually lower the fowler completely.
9. Lower the head siderails, and using a Phillips screwdriver to remove the four screws (J, Figure 3.1A, [page 16](#)) holding the two siderail supports to the fowler. Let the supports/siderails assembly rest on the frame.
10. Using a 1/2" combination wrench, remove the two locknuts, flat washers, bushings and bolts (F, Figure 3.2A, [page 21](#)) linking the fowler to the seat section and remove the defective fowler.
11. Reverse the above steps to install the replacement fowler.
12. Verify the fowler movement before returning the bed to service.

# Maintenance Procedures

## MATTRESS SUPPORT - FOWLER REPLACEMENT (CONTINUED)



**Figure 3.2B**

# Maintenance Procedures

## CRANK

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

Vise Grips  
Phillips Screwdriver  
Hammer

Drill and 1/4" Drill Bit  
3/16" or 1/4" Punch  
OG2 Grease

Rivet Gun  
Medium Strength Thread Locker (Purple)

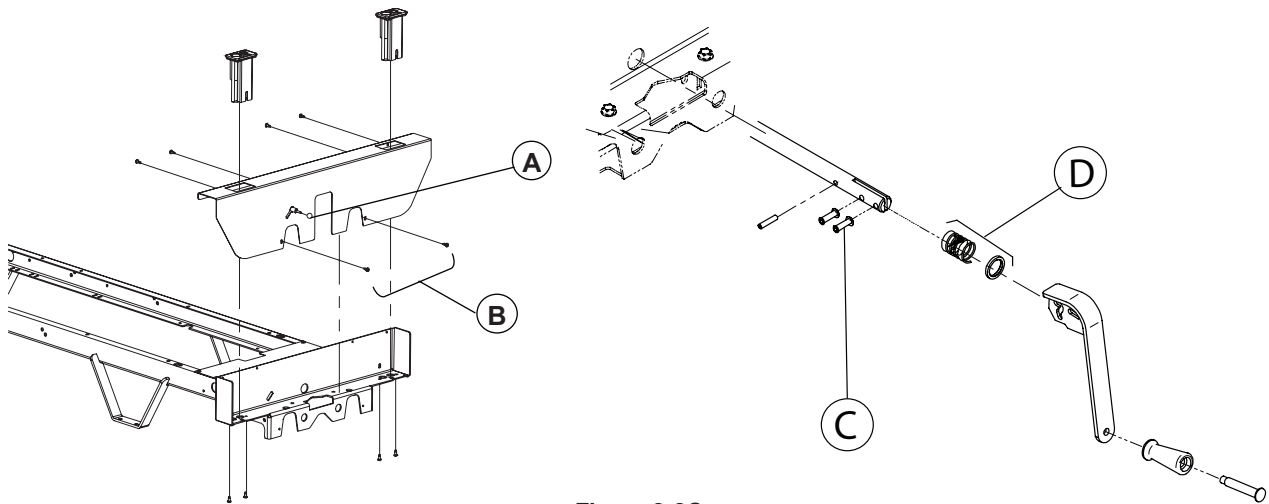


Figure 3.2C

### Procedure:

1. Raise the bed to the full upright position and then apply the brakes. Remove the foot board.
2. Using a pair of Vise Grips, remove the Trendelenburg rod knob (A).

### Note

The threads of the rod were coated with a thread locker to prevent the knob from loosening. Be careful not to break the knob when removing it. Apply thread locker to the rod threads before replacing the knob.

3. Using a Phillips screwdriver, remove the ten (10) screws (B) holding the foot end casing cover to the frame. Remove the foot end casing cover.
4. Support the end of the crank on your knee and mill both rivet heads (C) using a drill and a 1/4" drill bit.
5. Punch rivet out using a 3/16" or a 1/4" punch and a hammer. Remove the crank. Leave the nylon washer and the spring (D) in place.
6. Lubricate the mobile part of the replacement crank with OG2 grease and place the crank on the shaft.
7. Insert two new rivets and lock them in position using a rivet gun.
8. Check the operation of the replacement crank before reassembling the parts and returning the bed to service.

# Maintenance Procedures

## FOWLER CRANK SCREW REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

Bungee Cords	7/16" Socket	5/32" Allen Wrench
7/16" Combination Wrench	3/8" Drive Ratchet	1/2" Combination Wrench
Phillips Screwdriver		

### Procedure:

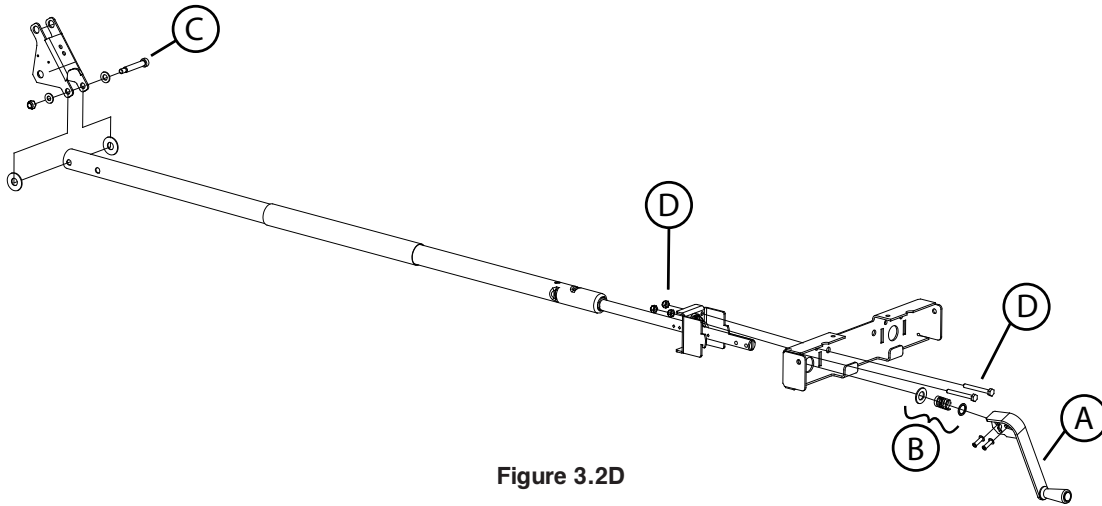


Figure 3.2D

1. Raise the bed to the full upright position and then apply the brakes. Remove the foot board.
2. Lift the gatch, fold it back toward the head end of the bed and attach it to the bed using bungee cords.
3. Using a Phillips screwdriver, remove the 4 screws attaching the foot protective plate to the litter frame.
4. Remove the foot end casing cover (see steps 2 and 3 of the "Crank" replacement procedure, [page 26](#)).
5. Keep the fowler section in horizontal position and support the crank screw tube using a bungee cord passed under it and attached to both sides of the frame.
6. Remove the crank (A) (see steps 4 and 5 of the "Crank" replacement procedure, [page 26](#)). Keep the two nylon washers and the spring (B).

### Note

Remember to replace the washers and the spring on the screw before installing the crank.

7. Using the 1/2" wrench and 5/32" Allen wrench, remove the washers, bolt and nut (C) linking the fowler section to the fowler actuator tube.
8. Using a 7/16" socket, a ratchet and a 7/16" combination wrench, remove the locknuts, bolts (D) holding the Fowler crank screw assembly to the foot end casing.

# Maintenance Procedures

---

## FOWLER CRANK SCREW REPLACEMENT (CONTINUED)

### Note

Do not over tighten the two nuts (D).

10. Lift the bearing support to disengage it from the frame and remove the whole assembly by moving it back toward the head end of the bed.
11. Reverse the preceding steps to install the replacement crank screw and proceed as follows to properly adjust it:
  - a. Temporarily install the crank on the screw and turn it to raise the Fowler section then, lower the section until it comes to rest on the frame. The crank should be in a vertical or near vertical position when the Fowler section rests on the frame.
  - b. Install definitely the crank ensuring that the black handle is positioned downward.

### Note

The adjustment of the crank screw is correct when the handle is positioned vertically or near vertical when the Fowler section reaches the frame and rests on it.

12. Verify the fowler section by raising and lowering it several times before returning the bed to service.



# Maintenance Procedures

## GATCH CRANK SCREW REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

Bungee Cords

7/16" Combination Wrench

Phillips Screwdriver

7/16" Socket

Needle Nose Pliers

3/8" Drive Ratchet

### Procedure:

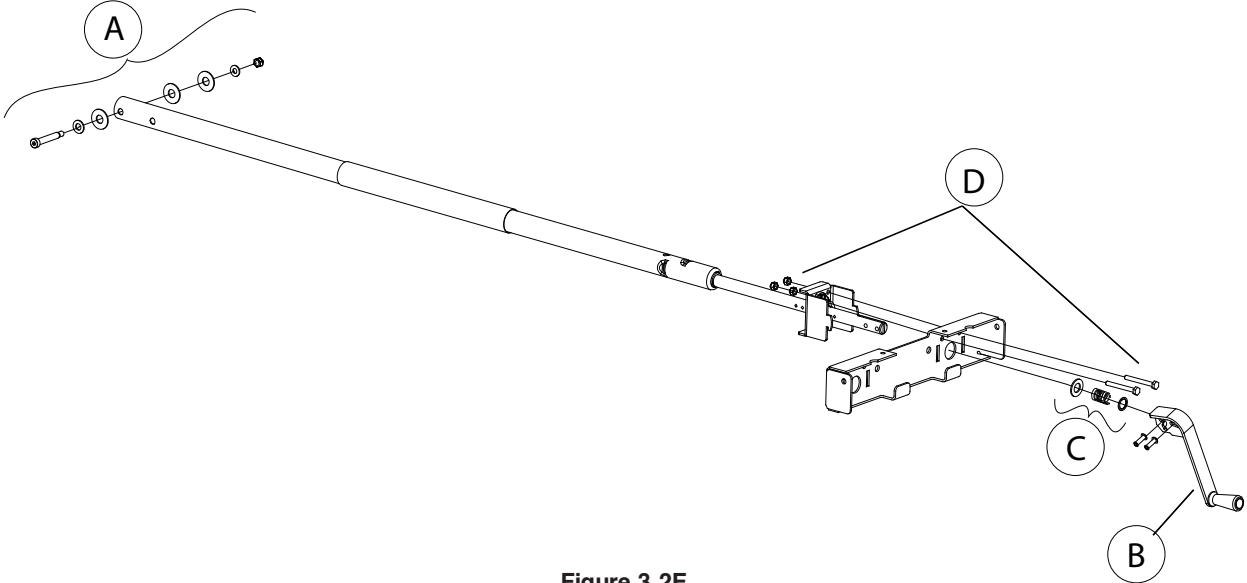


Figure 3.2E

1. Raise the bed to the full upright position and then apply the brakes. Remove the foot board.
2. Lift the gatch, fold it back toward the head end of the bed and attach it to the bed using a bungee cord. The gatch section must be in horizontal position.
3. Using a Phillips screwdriver, remove the 4 screws attaching the foot protective plate to the litter frame.
4. Support the crank screw tube using a bungee cord passed under it and attached to both sides of the frame.
5. Remove the foot end casing cover (see steps 2 and 3 of the "Crank" replacement procedure, [page 26](#)).
6. Remove the crank (B) (see steps 4 and 5 of the "Crank" replacement procedure, [page 26](#)). Keep the two nylon washers and the spring (C).

### Note

Remember to replace the washers and the spring on the screw before installing the crank.

7. Using needle nose pliers, remove the rue ring cotter, washers and clevis pin (A) holding the crank screw tube to the gatch section lever. Disengage the crank screw tube.

# Maintenance Procedures

---

## GATCH MOTOR REPLACEMENT (CONTINUED)

7. Using the 1/2" wrench and 5/32" Allen wrench, remove the bolt and nut (A) holding the crank screw tube to the gatch section lever. Disengage the crank screw tube.

### Note

When replacing the knee gatch actuator, gently turn the tube in either direction to align the tube holes with those of the gatch section lever arms.

8. Using a 7/16" socket, a ratchet and a 7/16" combination wrench, remove the two locknuts and bolts (D) holding the gatch crank screw assembly.

### Note

Do not over tighten the two nuts (D).

9. Lift the bearing support to disengage it from its location and remove the whole assembly by moving it back toward the head end of the bed.
10. Reverse the preceding steps to install the replacement crank screw and proceed as follows to properly adjust it:
  - a. Temporarily install the crank on the screw and turn it to raise the gatch section then, lower the section until it comes to rest on the frame. The crank should be in vertical, or near vertical position when the gatch section rests on the frame.
  - b. Install definitely the crank ensuring that the black nylon handle is positioned downward.

### Note

The adjustment of the crank screw is correct when the handle is positioned vertically or near vertical when the gatch section reaches the frame and rests on it.

11. Verify the gatch section by raising and lowering it several times before returning the bed to service.

# Maintenance Procedures

---

## LUBRICATION OF THE FOWLER AND GATCH CRANK SCREWS

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- Phillips Screwdriver
- Bungee Cords
- OG2 Grease
- Grease Brush

### Procedure:

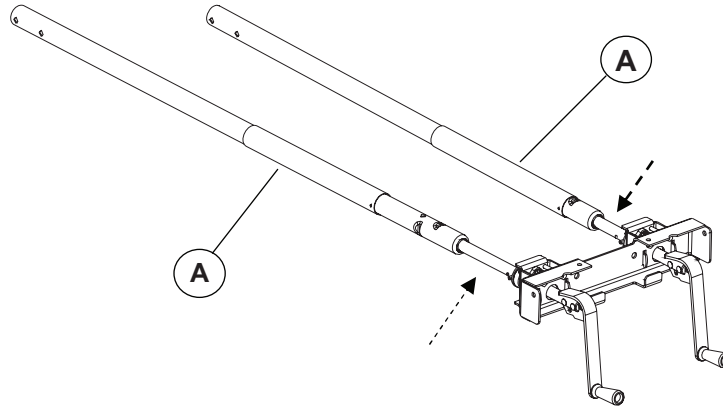


Figure 3.2F

1. Raise the bed to the full upright position and then apply the brakes.
2. Fully raise the fowler section (in this position, the fowler crank screw will reach its maximum extension) and lower the gatch section to flat (in this position, the gatch crank screw will reach its maximum extension).
3. Manually fold the gatch back toward the head end of the bed. Secure the position using the bungee cords.
4. Using a Phillips screwdriver, remove the screws attaching the foot cover plate to the litter frame.
5. Disengage the gray dust tube (A) from the roll pin holding it in place and slide it back to uncover the screw threads.
6. Apply grease all over the screw threads with a brush making sure the grease reaches the bottom of the threads. Replace the dust cover and the foot cover plate.
7. Remove the bungee cords and replace the gatch to flat position. Run both fowler and gatch sections up and down completely a few times to spread the grease evenly before returning the bed to service.

# Maintenance Procedures

## BED LIFT MECHANISM - MOLDED NUT AND/OR FOOT TRANSLATION SCREW REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

2 Jack Stands  
Phillips Screwdriver  
3/8" Drive Ratchet  
Rubber Hammer  
1/16" Allen Wrench

Bungee Cords  
Hammer  
7/32" Punch  
1/2" Socket

1/2" Combination Wrench  
9/16" Combination Wrenches (2)  
1/8" Allen Key  
Medium Strength Thread Locker (Purple)

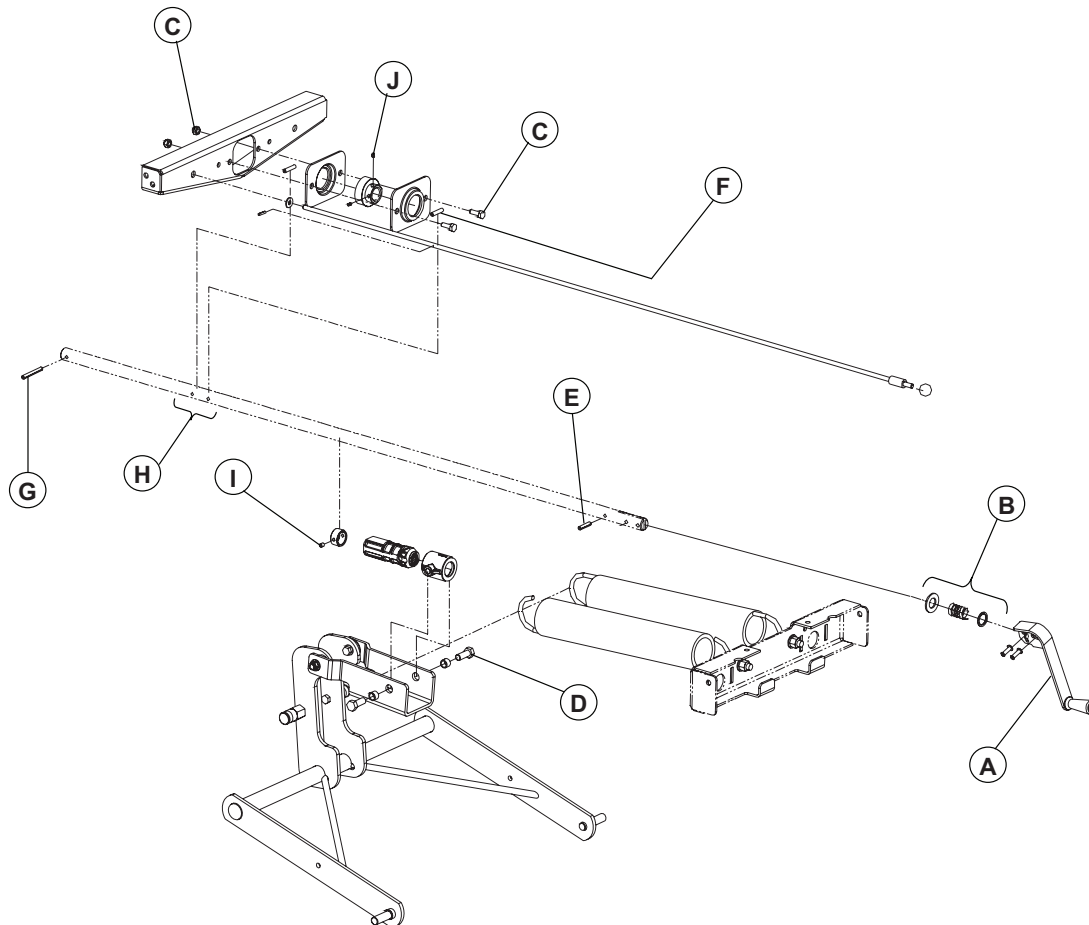


Figure 3.3A

### Procedure:

1. Raise the bed to the full upright position and then apply the brakes. Remove the foot board.
2. Fully raise the gatch section. Lift the gatch, fold it back toward the head of the bed and attach it to the bed using bungee cords.
3. Using a Phillips screwdriver, remove the 4 screws attaching the foot protective plate to the litter frame.
4. Place 2 jack stands under the bed lift levers.
5. Lower the bed on the 2 jack stands.

# Maintenance Procedures

---

## BED LIFT MECHANISM - MOLDED NUT AND/OR FOOT TRANSLATION SCREW REPLACEMENT (CONTINUED)

6. Remove the foot end casing cover (see steps 2 and 3 of the “Crank” replacement procedure, [page 26](#)).
7. Remove the crank (A) (Refer to steps 4 and 5 of the “Crank” replacement procedure, [page 26](#)). Keep the two nylon washers and the spring (B).

### Note

Remember to replace the washers and the spring on the screw before installing the crank.

8. Using a 3/8” socket and a 1/2” combination wrench, remove the two locknuts and bolts (C) holding the bearing supports to the frame.
9. Using two 9/16” combination wrenches, remove the two bolts (D) holding the molded screw and its support to the Bed Lift harness.

### Note

Apply medium strength thread locker (purple) on the screw and on the set screws before replacing the bearing on the screw and tightening the set screws (J).

10. Using a 7/32” punch and a hammer, remove the roll pin (E) from the screw. Remove the foot end screw assembly from its location and lay it on a workbench.
11. Remove all the other roll pins (F, G and H).
12. Using a 1/16” Allen wrench, loosen the two set screws (I) holding the stop screw and remove it.
13. Using a 1/8” Allen wrench, loosen the two set screws (J) holding the bearing in place. Disengage and remove the bearing using a rubber hammer. Thread locker was applied to the screw threads at the assembly line to secure the bearing position.

### Note

Apply medium strength thread locker (purple) on the screw and on the set screws before replacing the bearing on the screw and tightening the set screws (J).

14. Remove the defective molded nut from the screw. Install the replacement nut on the screw.
15. Reverse the preceding steps to install on the screw assembly all its components, except the roll pin (E).
16. Reverse the preceding steps to install the replacement screw on the Bed Lift mechanism, as described below:
  - a. Install the roll pin (E).
  - b. Install the crank (A) (see steps 6 and 7 of the “Crank” replacement procedure, [page 26](#)).
  - c. Install the foot end casing cover.
  - d. Apply the medium strength thread locker to the rod threads before replacing the knob.
  - e. Install the foot cover plate to the bed frame, screwing in the 4 screws.
17. Verify the bed lift proper operation before returning the bed to service.

# Maintenance Procedures

## BASE - BRAKE/STEER PEDAL REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 1/2" Socket
- Soft Hammer
- Torque Wrench
- 3/8" Drive Ratchet

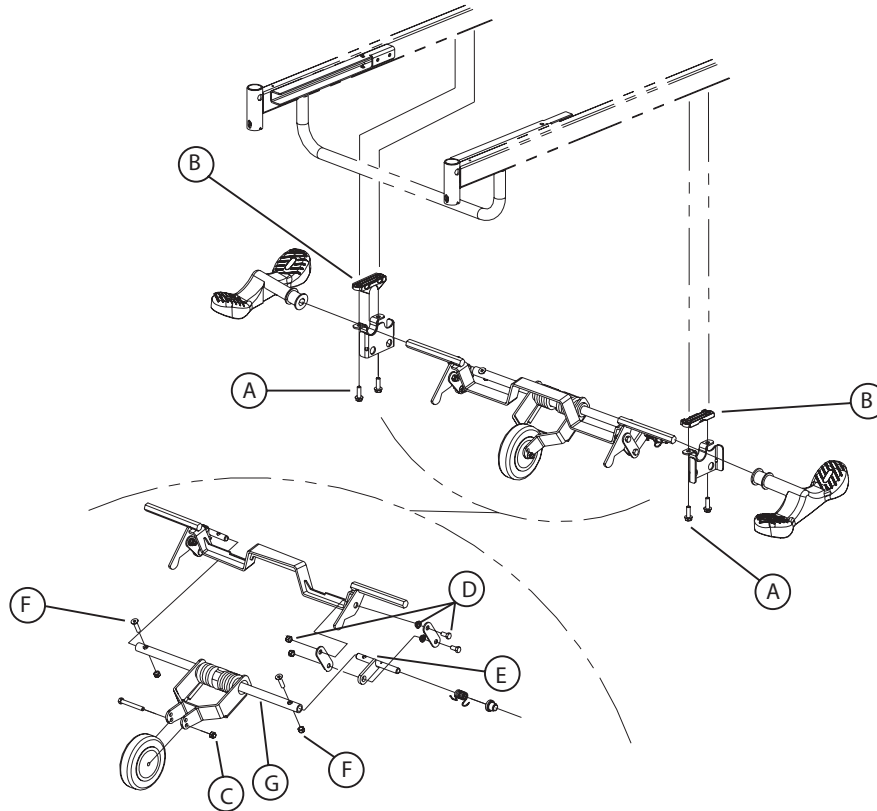


Figure 3.4A

### Procedure:

1. Raise the bed to the full upright position and apply the brakes.
2. Position the brake/steer pedal to neutral.
3. Using a 1/2" socket, remove the two bolts (A) holding the fifth wheel support or the lever support (A, Figure 3.4B, [page 37](#)) on the side of the defective pedal and lay the support down. Keep the molded spacer (B).

### Note

Once removed, the self tapping bolts must be first screwed in manually before tightening them to a 135 in.lbs. (14.7Nm) torque wrench.

4. Remove the pedal from the activation lever shaft. Use a soft hammer if necessary.
5. Reverse the above steps to install the replacement pedal.

# Maintenance Procedures

---

## BASE - FIFTH WHEEL CASTER REPLACEMENT (OPTIONAL)

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 1/2" Combination Wrenches (2)

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.4A on [page 34](#) for the illustration of the references contained in the following replacement procedure.

1. Raise the bed to the full upright position and apply the brakes.
2. Position the brake/steer pedal to neutral.
3. Using two 1/2" combination wrenches, remove the nut and bolt (C) holding the caster to the swing arm.
4. Reverse the above steps to install the replacement caster.

## BASE - FIFTH WHEEL ASSEMBLY REPLACEMENT (OPTIONAL)

### Required Tools:

- 1/2" Combination Wrench
- 1/2" Socket
- Soft Hammer
- 3/8" Drive Ratchet

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.4A on [page 34](#) for the illustration of the references contained in the following procedure.

1. Raise the bed to the full upright position and apply the brakes.
2. Position the brake/steer pedal to neutral.
3. Using a 1/2" socket, remove the two nuts, washers, bushings and bolts (F1, Figure 3.4B, [page 37](#)) linking the end of the brake rod to the locking levers, on the side of the pedals. If the optional four-wheel brake system is present on the bed, also remove the fasteners linking the end of the two other brake rods to the same locking levers.
4. Using a 1/2" socket, remove the four bolts (A) holding both fifth wheel supports to the base. Keep the molded spacers (B). Remove the assembly.
5. Remove the two brake/steer pedals from the activation lever shafts. Use a soft hammer if necessary.
6. Remove and keep the two locking levers (C, Figure 3.4B, [page 37](#)).
7. Reverse the above steps to install the replacement fifth wheel assembly.
8. Test the fifth wheel for proper operation before returning the bed to service.

# Maintenance Procedures

---

## BASE - FIFTH WHEEL SWING ARM ASSEMBLY REPLACEMENT (OPTIONAL)

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 1/2" Socket
- 1/2" Combination Wrenches (2)
- 3/16" Allen Wrench
- 3/8" Drive Ratchet

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.4A on [page 34](#) for the illustration of the references contained in the following replacement procedure.

1. Raise the bed to the full upright position and apply the brakes.
2. Position the brake/steer pedal to neutral.
3. Using a 1/2" socket, remove the two bolts (A) holding the left or right fifth wheel support to the base. Lay the support down and keep the molded spacer (B).
4. Using two 1/2" combination wrenches, remove the nuts, bushings and bolt (D) holding the torsion lever (E) to the lower part of the counter lever.
5. Using a 1/2" combination wrench and a 3/16" Allen wrench, remove the two nuts and Allen screws (F) holding the torsion levers (E) to both ends of the torque shaft (G).

### Note

At reassembly, screw down the Allen screws before the nuts.

6. Disengage the swing arm assembly from the torsion levers and remove it.
7. Using two 1/2" combination wrenches, remove the nut and bolt (C) holding the caster to the swing arm and keep it for the replacement swing arm assembly.
8. Reverse the above steps to install the replacement swing arm assembly.
9. Test the fifth wheel for proper operation before returning the bed to service.



# Maintenance Procedures

## BED CASTER REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- Jack Stand
- 1/2" Combination Wrench
- Phillips Screwdriver

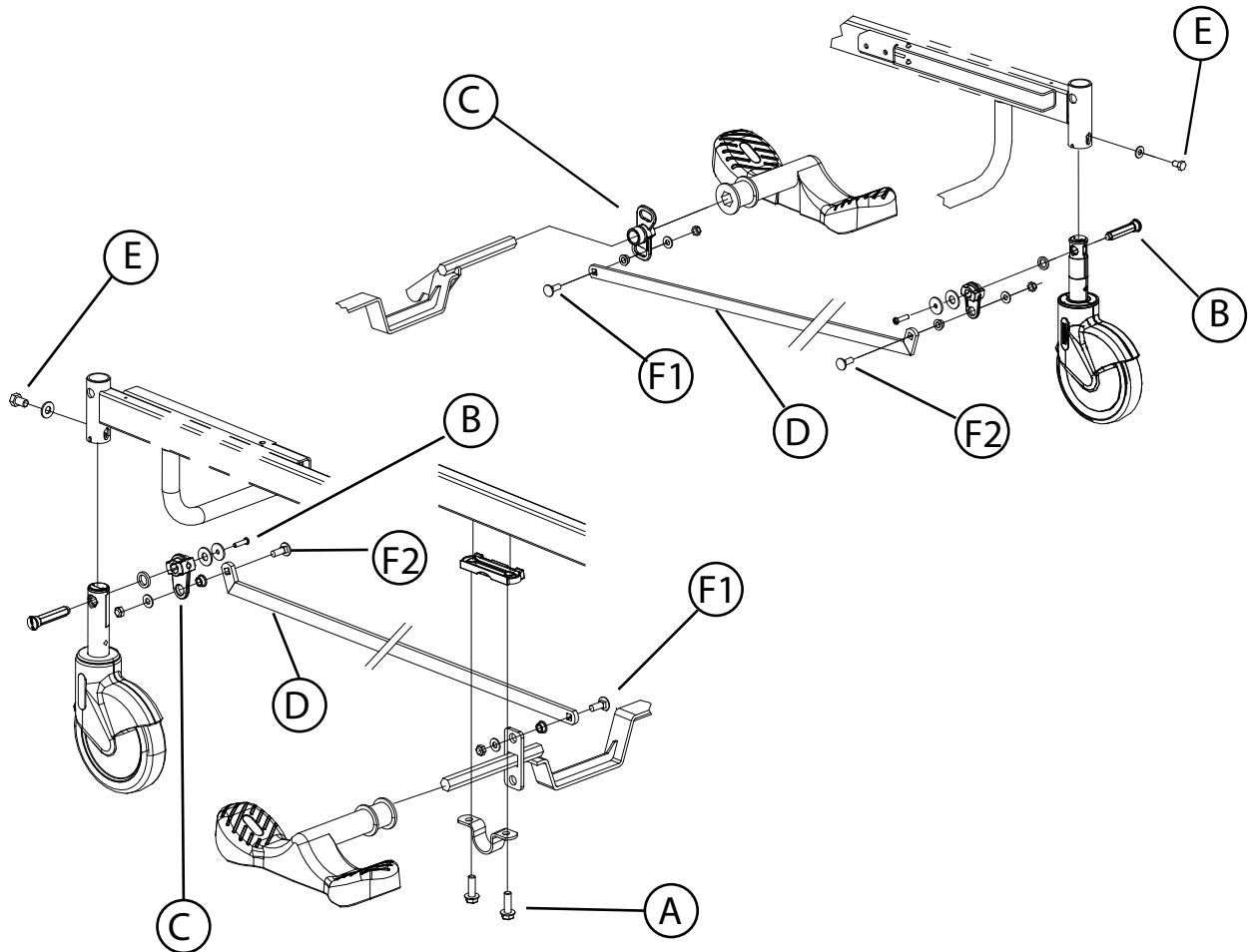


Figure 3.4B

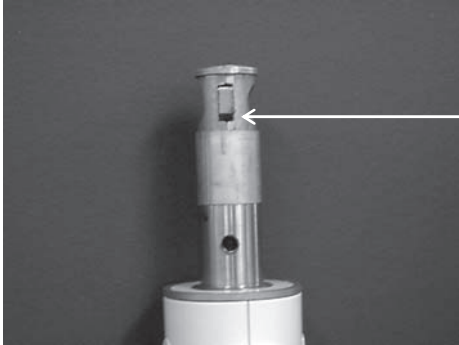
### Procedure:

1. Raise the bed to the full upright position and apply the brakes.
2. Position the brake/steer to neutral.
3. Install a jack stand under the frame near the defective caster.
4. Lower the bed until the caster is six inches off the ground.
5. If the caster is part of the braking mechanism, remove using the Phillips screwdriver, the washers and locking axle (B) linking the caster shaft to the locking lever (C) and the brake rod (D).

# Maintenance Procedures

---

## BED CASTER REPLACEMENT (CONTINUED)



### Note

The shaft of a caster that is part of the braking mechanism must be properly oriented before mounting it to the base. The opposite illustration shows the side of the shaft that should be facing the inside of the bed: it is the side showing the largest opening below the cam in neutral position.

7. Using a 1/2" combination wrench, remove the bolt and washers (E) holding the caster to the base.

### Note

Before tightening the bolt (E), make sure that the caster shaft is completely inserted into the mounting socket.

8. Reverse the above steps to install the replacement caster.
9. If the replacement caster is part of the brake mechanism, apply the brakes and check that the caster is locked before returning the bed to service.

## BRAKE ROD REPLACEMENT

### Required Tools:

- 1/2" Combination Wrench

### Procedure:

### Note

Unless otherwise indicated, refer to Figure 3.4B on [page 37](#) for the illustration of the references contained in the following replacement procedure.

1. Raise the bed to the full upright position and apply the brakes.
2. Using a 1/2" combination wrench, remove the nut, bushing, washer and bolt (F1, F2) holding each end of the brake rod.
3. Remove the defective rod.
4. Reverse the above steps to install the replacement brake rod.
5. Test the brakes before returning the bed to service.

# Maintenance Procedures

---

## BED CASTER WITH BRAKE MECHANISM REPLACEMENT

### Note

If the bed is equipped with the tamper proof option, refer to the table on [page 14](#).

### Required Tools:

- 1/2" Wrench

### Procedure:

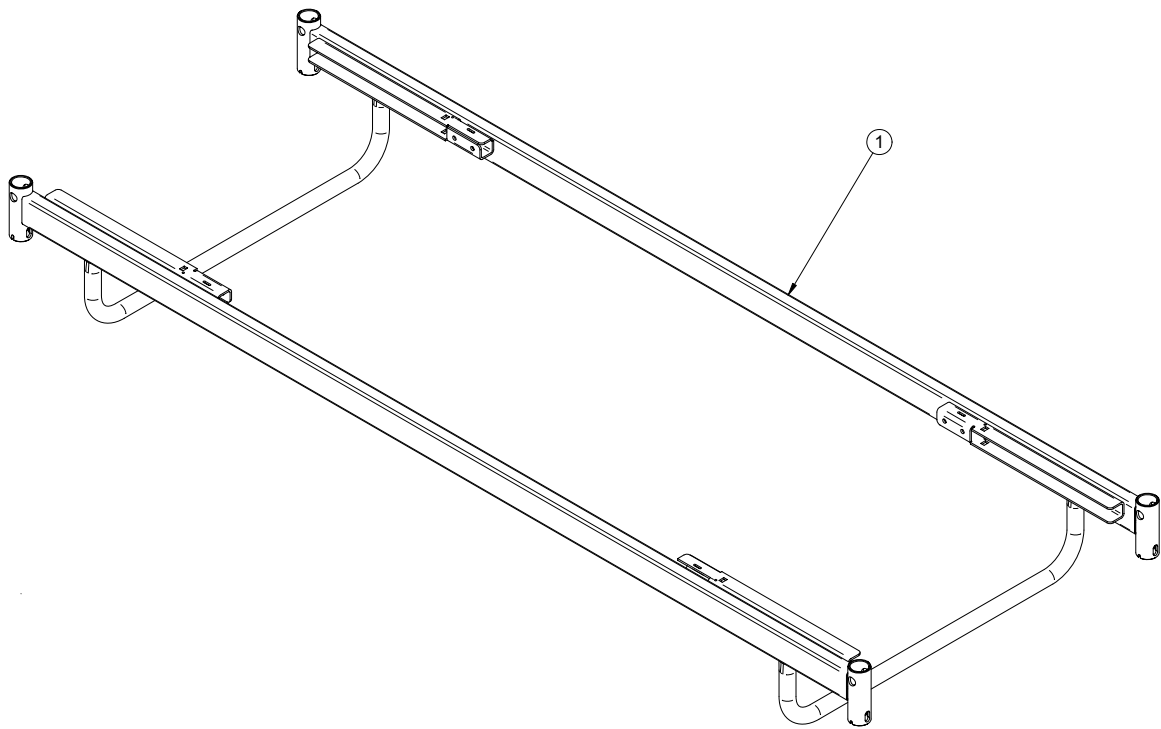
1. Raise the bed to the full upright position and apply the brakes.
2. Position the brake/steer to neutral.
3. Install a jack stand under the frame near the defective caster.
4. Lower the bed until the caster is six inches off the ground.
5. If the caster is part of the braking mechanism, remove using the Phillips screwdriver, the washers and locking axle (B) linking the caster shaft to the locking lever (C) and the brake rod (D).
6. Using the 1/2" wrench, remove bolt (A).
7. Remove the defective caster.
8. Install the new caster on the bed and verify bed's brake functions before sending it back to service.

# Notes

---

# Base

For Reference Only: L23-029  
Rev. 00

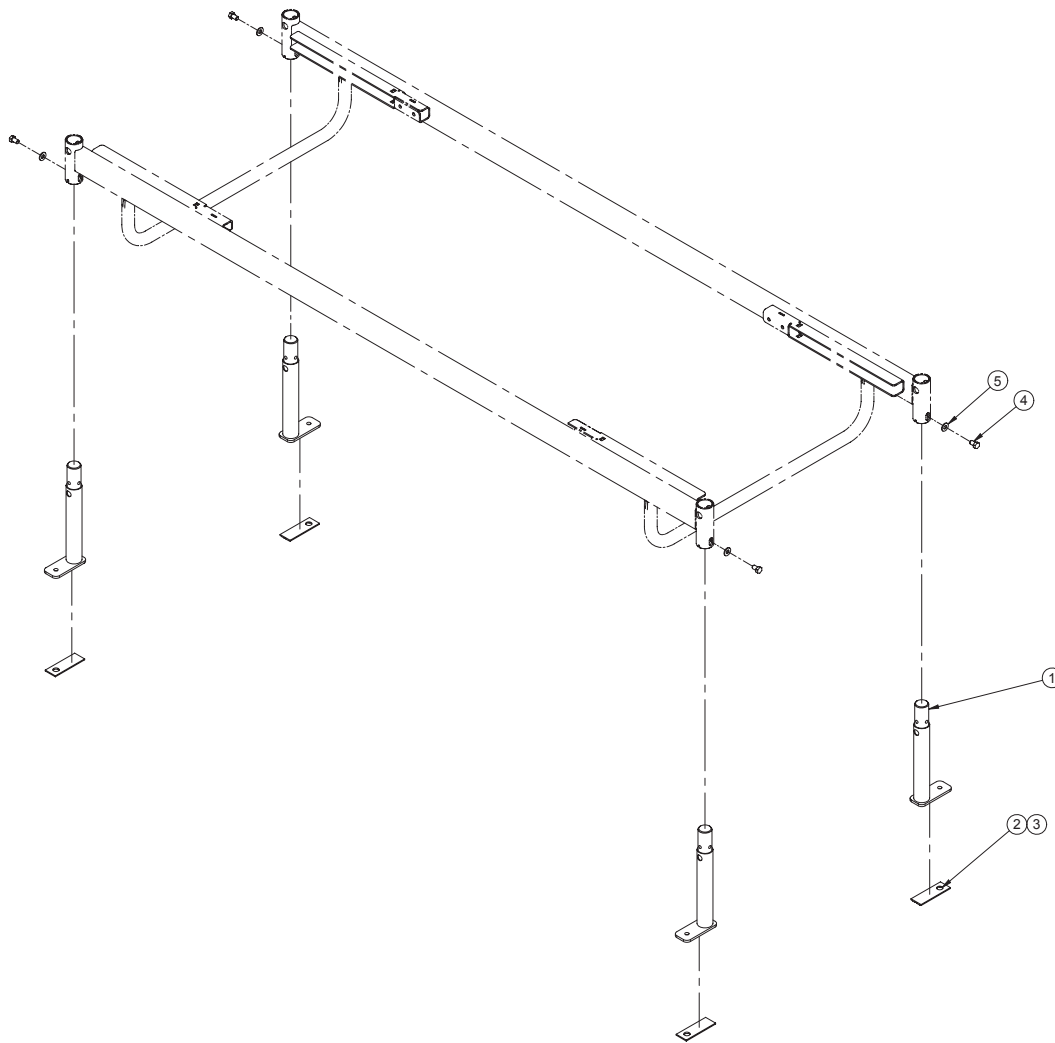


Base (For Reference Only: L23-029G, Rev. 01)

Item	Part No.	Part Name	Qty.
1	25-0108G	S.A. Base	1

# Bed on 6" Legs

For Reference Only: OL230163  
Rev. 03



**Bed on 6" Legs (For Reference Only: OL230163G, Rev. 03)**

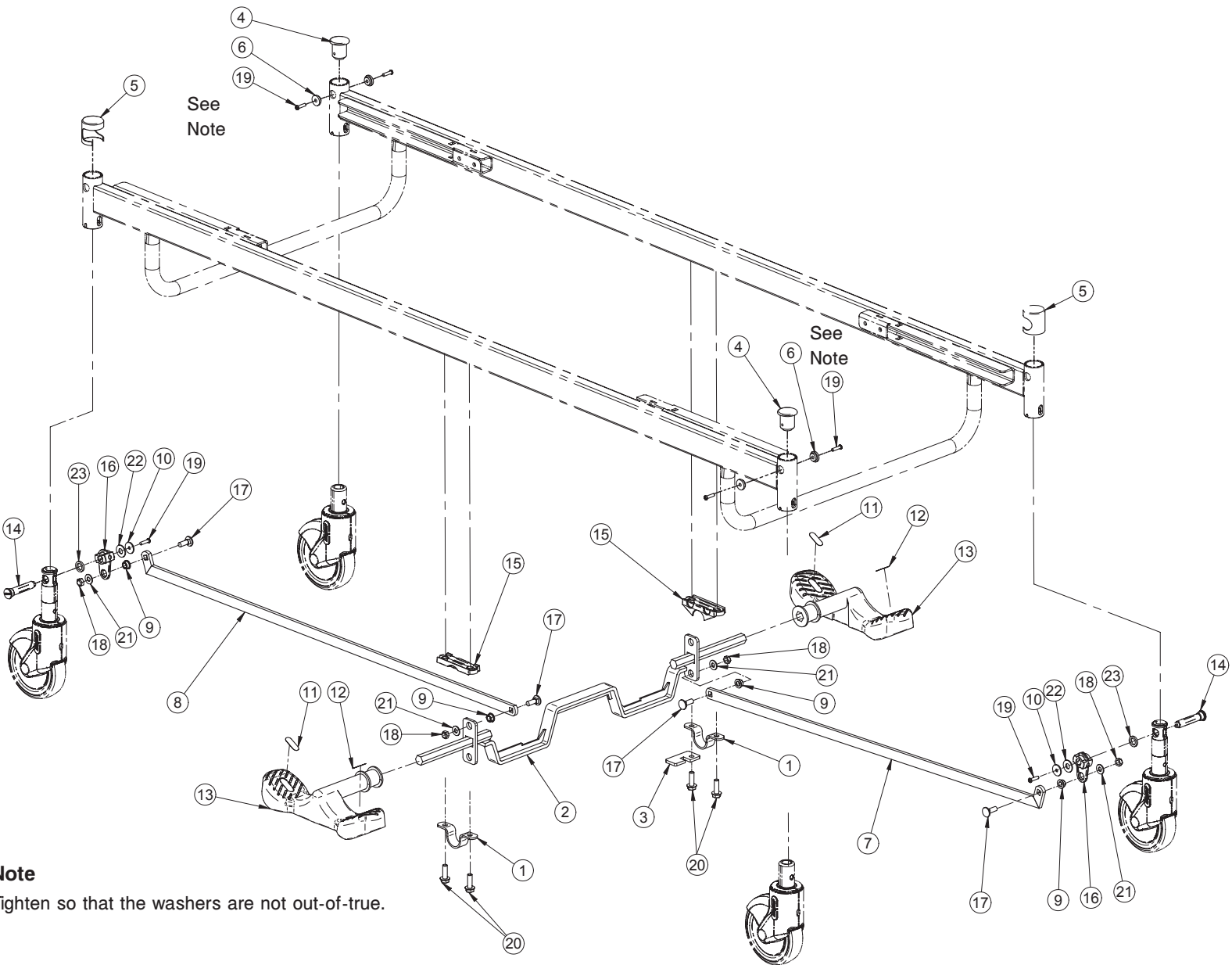
Item	Part No.	Part Name	Qty.
1	23-0748G	S.A. Fixation Leg	4
2	23-0462	Retaining Plate	4
3	M0005	Cyanoacrylate Glue #TB1743-1	0.0150 kg
4	VB15A1O16-S	Bolt 5/16-18 x 1/2" Grade 5 z.p.	
		Scotch Grip	4
5	VW10A10	Flat Washer dia. 5/16" SAE z.p.	4

**Bed on 6" Legs (For Reference Only: OL230163G-T, Rev. 03) (Tamper Proof Option)**

Item	Part No.	Part Name	Qty.
1	23-0748G	S.A. Fixation Leg	4
2	23-0462	Retaining Plate	4
3	M0005	Cyanoacrylate Glue #TB1743-1	0.0150 kg
4	VVB3A1O16-S	Machine Screw Pan Head Torx 5/16-18 x 1/2" 5 z.p. Scotch Grip	4
5	VW10A10	Flat Washer dia. 5/16" SAE z.p.	4

# Brake Mechanism without Fifth Wheel

For Reference Only: OL230273  
Rev. 02



## Note

Tighten so that the washers are not out-of-true.

# Brake Mechanism without Fifth Wheel

---

## Brake Mechanism without Fifth Wheel (For Reference Only: OL230273G, Rev. 02)

Item	Part No.	Part Name	Qty.
1	14662Z	Lever Clamp	2
2	23-0327G	S.A. Brake Lever	1
3	23-0333Z	Steer Stop	1
4	23-0856G	Base Cap	2
5	23-0857G	Base Cap	2
6	23-0858	Shoulder Washer	4
7	25-0291G	S.A. Connecting Rod - Foot	1
8	25-0292G	S.A. Connecting Rod - Head	1
9	QPA25-0340	Spacer 5/16 x 3/16	4
10	23-0872Z	Retaining Washer	2
11	QE71-0496	Fifth Wheel Green Sticker	2
12	QE71-0511	Brake Sticker	2
13	QP23-0627	Pedal	2
14	QPA23-0853	Threaded Locking Axle	2
15	QPA25-0312	Molded Spacer	2
16	QPA25-0411	Brake Lever	2
17	VB35A1028FT	Long Neck Carriage Bolt	
		5/16-18 x 7-8" Grade 5 z.p.	4
18	VE79A1O	UNC Grade C ESNA Nut 5/16-18	4
19	VV33A0G24	Machine Screw Pan Head Phillips	
		10-32 x 3/4" LG	6
20	VVB4A1O32	Bolt 5/16"-18 x 1" Self Tapping	4
21	VW10A10	Flat Washer 5/16" SAE z.p.	4
22	VW10C122802	Nylon Washer	
		3/8" ins. x 7/8" out. x 1/16" wi.	2
23	VW10C162404	Nylon Washer	
		0.505" ins. x 3/4" out. x 1/8" wi.	2



# Brake Mechanism without Fifth Wheel (Tamper Proof Option)

Brake Mechanism without Fifth Wheel (For Reference Only: OL230273G-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	14662Z	Lever Clamp	2
2	23-0327G	S.A. Brake Lever	1
3	23-0333Z	Steer Stop	1
4	23-0856G	Base Cap	2
5	23-0857G	Base Cap	2
6	23-0858	Shoulder Washer	4
7	25-0291G	S.A. Connecting Rod - Foot	1
8	25-0292G	S.A. Connecting Rod - Head	1
9	QPA25-0340	Spacer 5/16 x 3/16	4
10	23-0872Z	Retaining Washer	2
11	QE71-0496	Fifth Wheel Green Sticker	2
12	QE71-0511	Brake Sticker	2
13	QP23-0627	Pedal	2
14	QPA23-0853	Threaded Locking Axle	2
15	QPA25-0312	Molded Spacer	2
16	QPA25-0411	Brake Lever	2
17	VB35A1028FT	Long Neck Carriage Bolt 5/16-18 x 7-8" Grade 5 z.p.	4
18	VE79A1O	UNC Grade C ESNA Nut 5/16-18	4
19	VVB3A0G24-S	Machine Screw Pan Head Torx 10-32 x 3/4" LG	6
20	VVB4A1O32	Bolt 5/16"-18 x 1" Self Tapping	4
21	VW10A10	Flat Washer 5/16" SAE z.p.	4
22	VW10C122802	Nylon Washer 3/8" ins. x 7/8" out. x 1/16" wi.	2
23	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi.	2

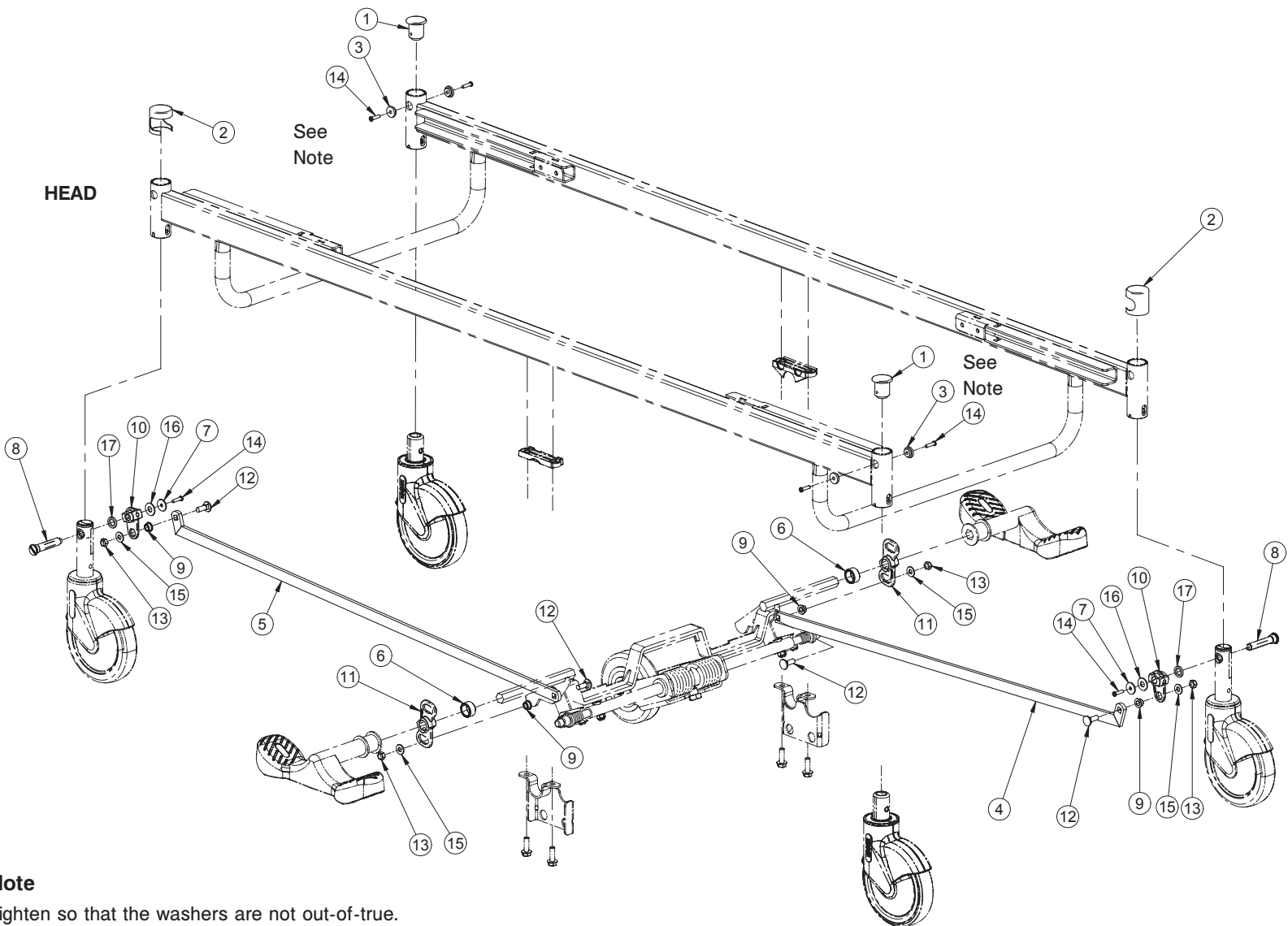
[Return To Table of Contents](#)

# Notes

---

# Brake Mechanism with Fifth Wheel

For Reference Only: OL230274  
Rev. 02



## Note

Tighten so that the washers are not out-of-true.

# Brake Mechanism with Fifth Wheel

## Brake Mechanism with Fifth Wheel (For Reference Only: OL230274G, Rev. 02)

Item	Part No.	Part Name	Qty.
1	23-0856G	Base Cap	2
2	23-0857G	Base Cap	2
3	23-0858	Shoulder Washer	4
4	25-0291G	S.A. Connecting Rod - Foot	1
5	25-0292G	S.A. Connecting Rod - Head	1
6	25-0451	Lever Spacer	2
7	23-0872Z	Retaining Washer	2
8	QPA23-0853	Threaded Locking Axle	2
9	QPA25-0340	Spacer 5/16 x 3/16	4
10	QPA25-0411	Brake Lever	2
11	QPA25-0427	Locking Lever	2
12	VB35A1O28FT	Long Neck Carriage Bolt 5/16-18 x 7-8" Grade 5 z.p.	4
13	VE79A1O	UNC Grade C ESNA Nut 5/16-18	4
14	VV33A0G24	Machine Screw Pan Head Phillips 10-32 x 3/4" LG	6
15	VW10A10	Flat Washer 5/16" SAE z.p.	4
16	VW10C122802	Nylon Washer 3/8" ins. x 7/8" out. x 1/16" wi.	2
17	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi.	2

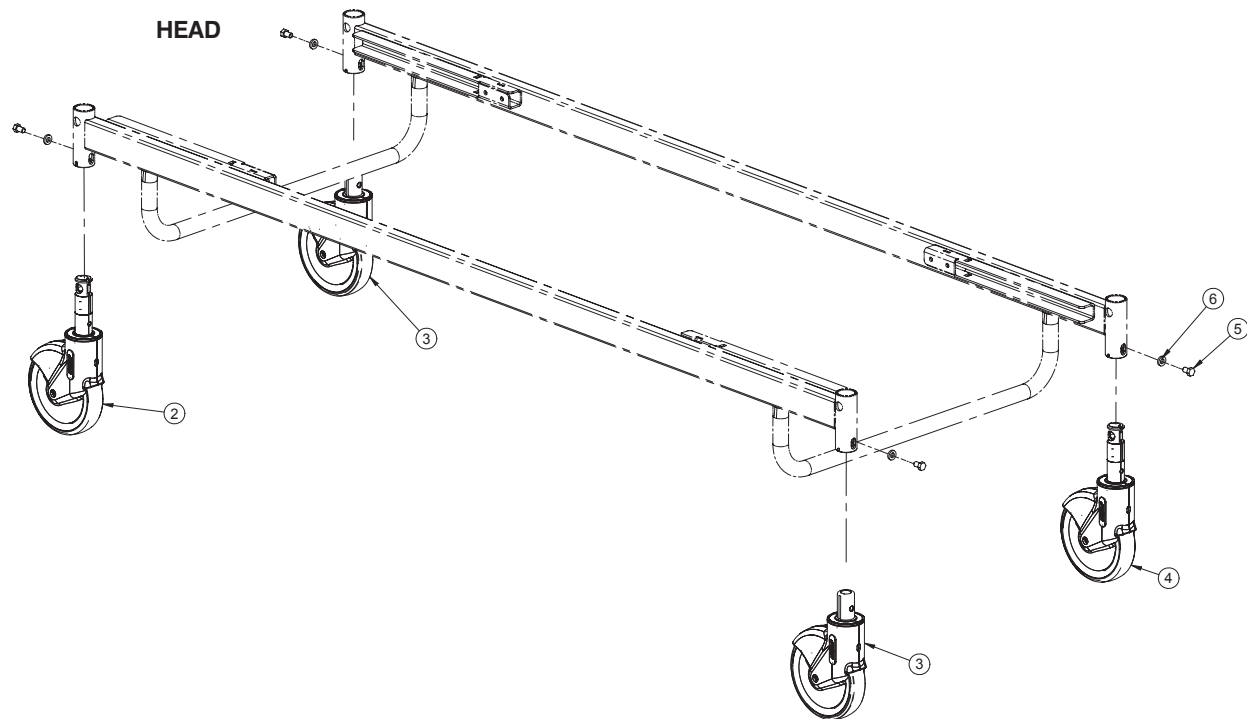
## Brake Mechanism with Fifth Wheel (For Reference Only: OL230274G-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	23-0856G	Base Cap	2
2	23-0857G	Base Cap	2
3	23-0858	Shoulder Washer	4
4	25-0291G	S.A. Connecting Rod - Foot	1
5	25-0292G	S.A. Connecting Rod - Head	1
6	25-0451	Lever Spacer	2
7	23-0872Z	Retaining Washer	2
8	QPA23-0853	Threaded Locking Axle	2
9	QPA25-0340	Spacer 5/16 x 3/16	4
10	QPA25-0411	Brake Lever	2
11	QPA25-0427	Locking Lever	2
12	VB35A1O28FT	Long Neck Carriage Bolt 5/16-18 x 7-8" Grade 5 z.p.	4
13	VE79A1O	UNC Grade C ESNA Nut 5/16-18	4
14	VVB3A0G24-S	Machine Screw Pan Head Torx 10-32 x 3/4" LG	6
15	VW10A10	Flat Washer 5/16" SAE z.p.	4
16	VW10C122802	Nylon Washer 3/8" ins. x 7/8" out. x 1/16" wi.	2
17	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi.	2

## 6" Casters without Fifth Wheel

For Reference Only: OL230048

Rev. 05



### 6" Casters without Fifth Wheel (For Reference Only: OL230048, Rev. 05)

Item	Part No.	Part Name	Qty.
2	RD25038807	6" Locking Caster	1
3	RD25049307	6" Swivel Caster	2
4	RD25049607	6" Steer Caster	1
5	VB15A1O16-S	Bolt 5/16-18 x 1/2" Grade 5 Scotch Grip	4
6	VW10A1120	Flat Washer 5/16" Diameter S.A.E. 0.120" wi.	4

### 6" Casters without Fifth Wheel (For Reference Only: OL230048-T, Rev. 05) (Tamper Proof Option)

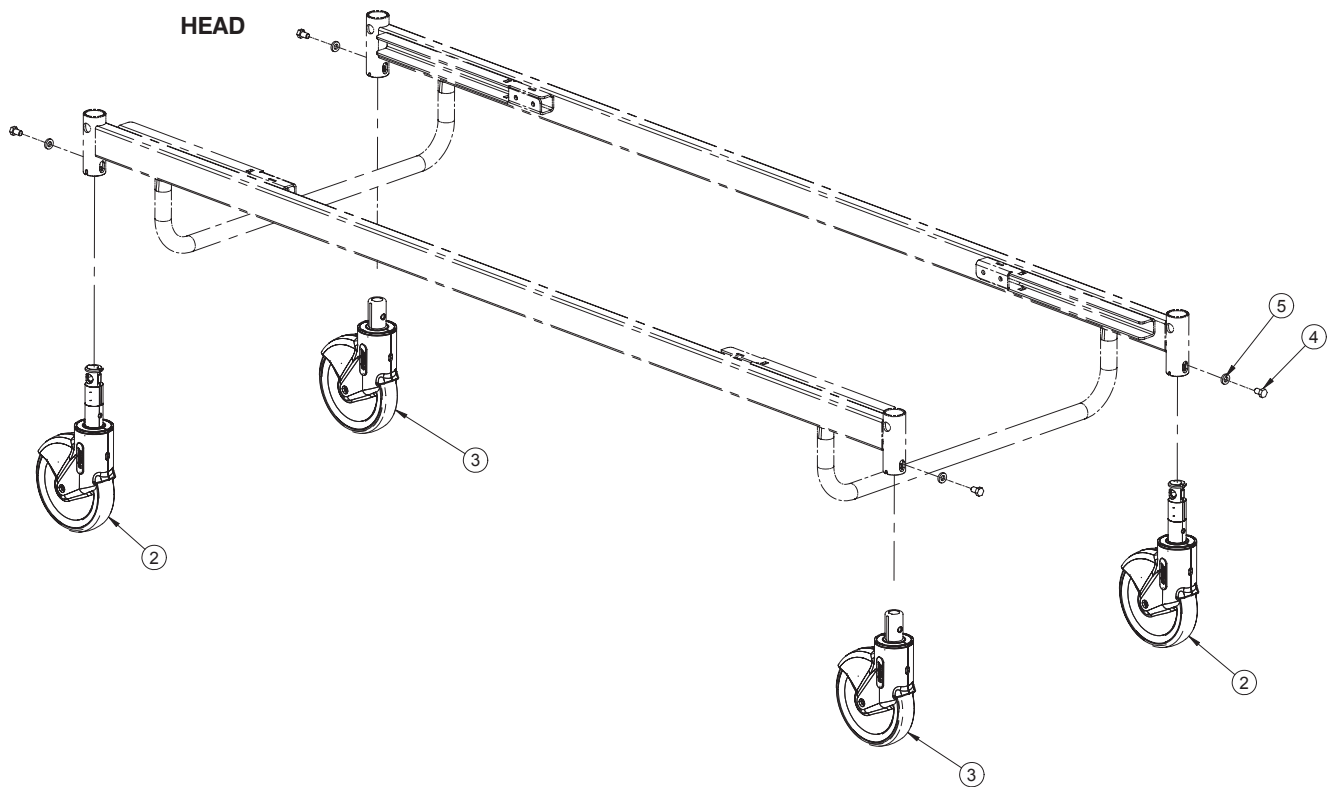
Item	Part No.	Part Name	Qty.
2	RD25038807	6" Locking Caster	1
3	RD25049307	6" Swivel Caster	2
4	RD25049607	6" Steer Caster	1
5	VVB3A1O16-S	Machine Screw Pan Head Torx 5/16-18 x 1/2" Scotch Grip	4
6	VW10A1120	Flat Washer 5/16" Diameter S.A.E. 0.120" wi.	4

[Return To Table of Contents](#)

## 6" Casters with Fifth Wheel

For Reference Only: OL230050

Rev. 04



### 6" Casters with Fifth Wheel (For Reference Only: OL230050, Rev. 04)

Item	Part No.	Part Name	Qty.
2	RD25038807	6" Locking Caster	2
3	RD25049307	6" Swivel Caster	2
4	VB15A1O16-S	Bolt 5/16-18 x 1/2"	
		Grade 5 Scotch Grip	4
5	VW10A1120	Flat Washer 5/16" Diameter	4

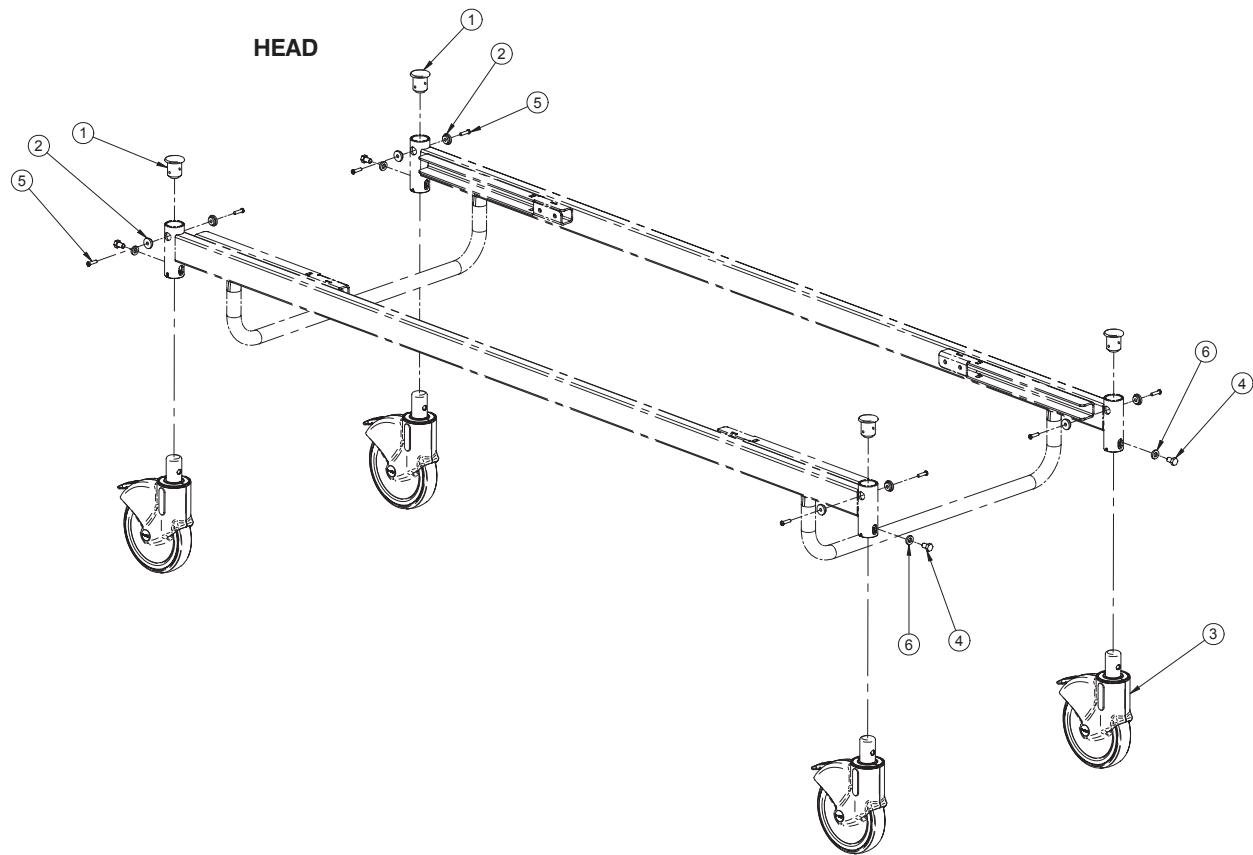
### 6" Casters with Fifth Wheel (For Reference Only: OL230050-T, Rev. 04) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
2	RD25038807	6" Locking Caster	2
3	RD25049307	6" Swivel Caster	2
4	VVB3A1O16-S	Machine Screw Pan Head Torx	
		5/16-18 x 1/2" Scotch Grip	4
5	VW10A1120	Flat Washer 5/16" Diameter	4

# 6" Casters with Brake Mechanism

For Reference Only: OL230281

Rev. 00



**6" Casters with Brake Mechanism (For Reference Only: OL230281, Rev. 00)**

Item	Part No.	Part Name	Qty.
1	23-0856G	Base Cap	4
2	23-0858	Shoulder Washer	8
3	RD23084207	6" Caster with Brake Mechanism	4
4	VB15A1O16-S	Bolt 5/16-18 x 1/2" LG Grade 5	4
5	VV33A0G24	Machine Screw Pan Head Phillips 10-32 x 3/4" LG	8
6	VW10A1120	Flat Washer Diameter 5/16" S.A.E. 0.120" wi.	4

**6" Casters with Brake Mechanism (For Reference Only: OL230281-T, Rev. 00) (Tamper Proof Option)**

Item	Part No.	Part Name	Qty.
1	23-0856G	Base Cap	4
2	23-0858	Shoulder Washer	8
3	RD23084207	6" Caster with Brake Mechanism	4
4	VVB3A1O16-S	Machine Screw Pan Head Torx 5/16-18 x 1/2" LG Scotch Grip	4
5	VVB3A0G24-S	Machine Screw Pan Head Torx 10-32 x 3/4" LG	8
6	VW10A1120	Flat Washer Diameter 5/16" S.A.E. 0.120" wi.	4

[Return To Table of Contents](#)

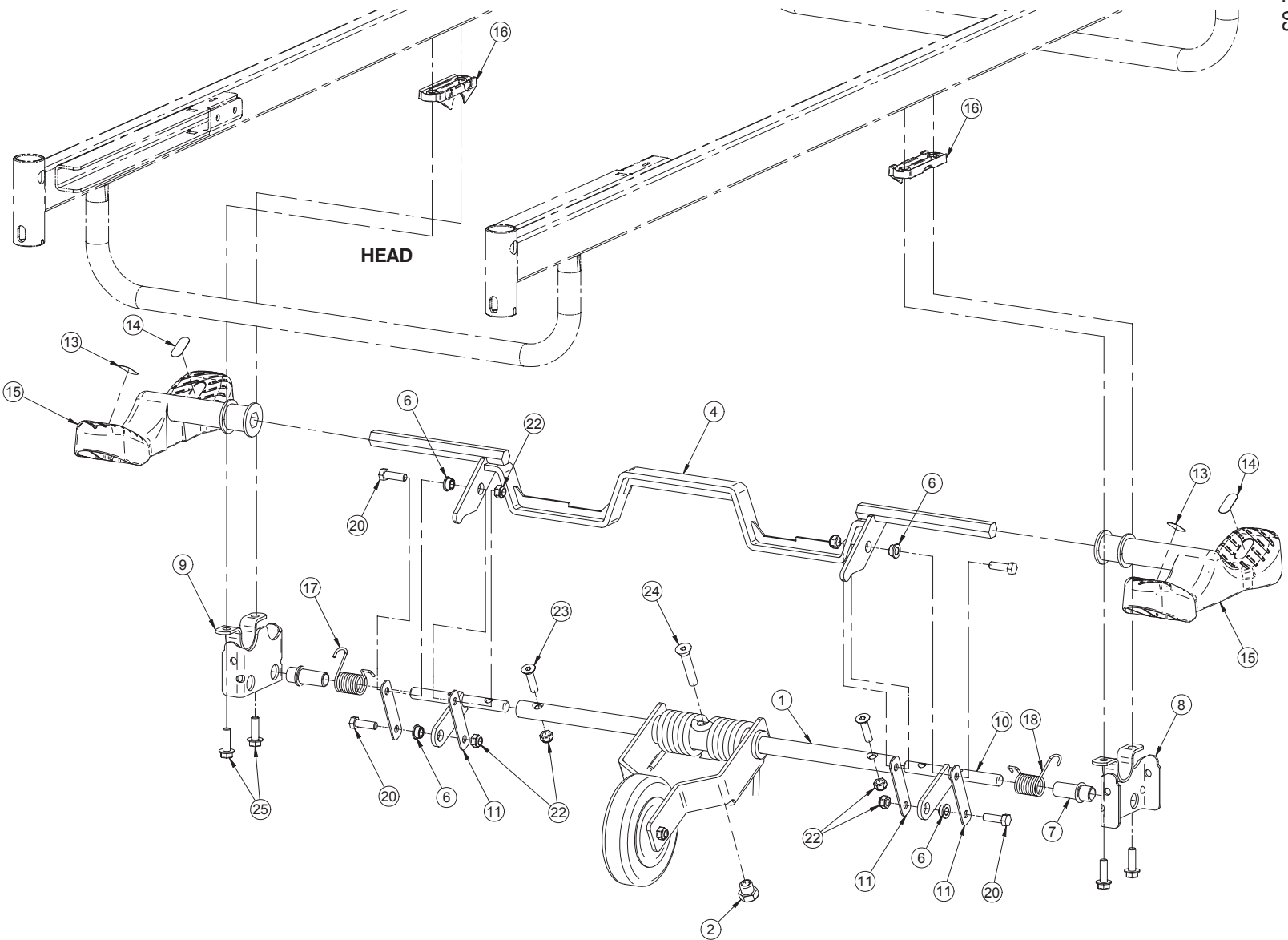
# Notes

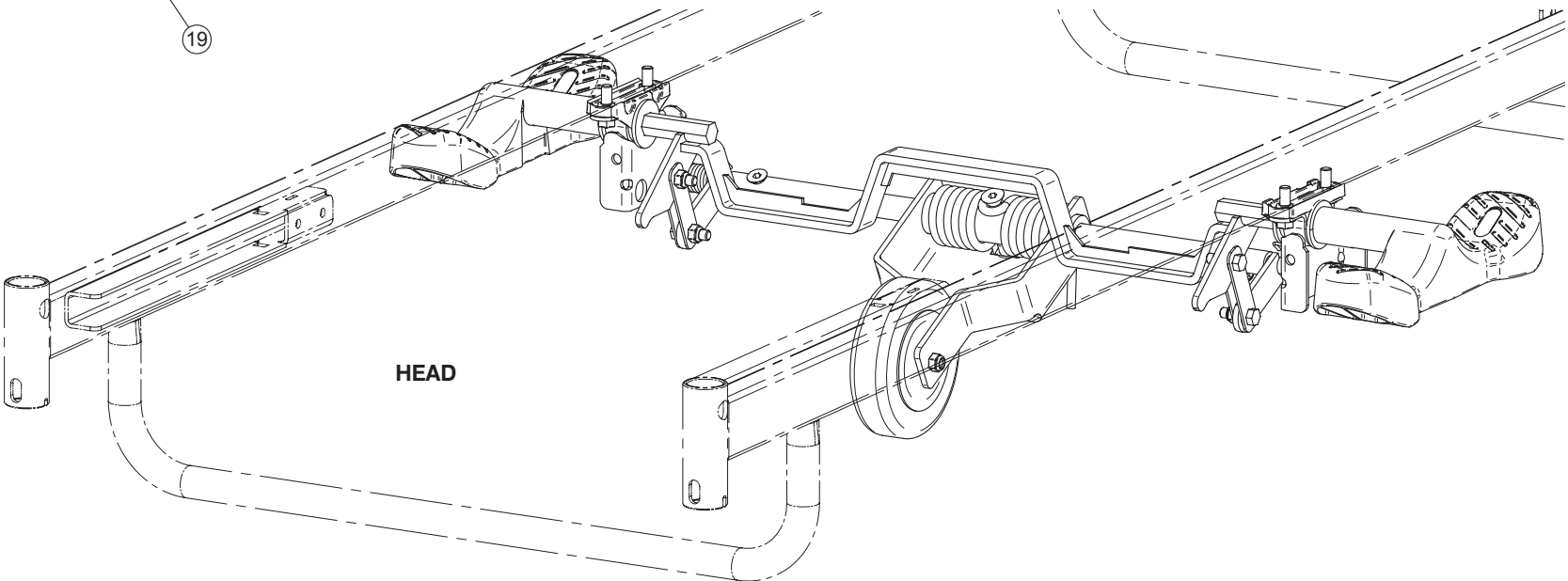
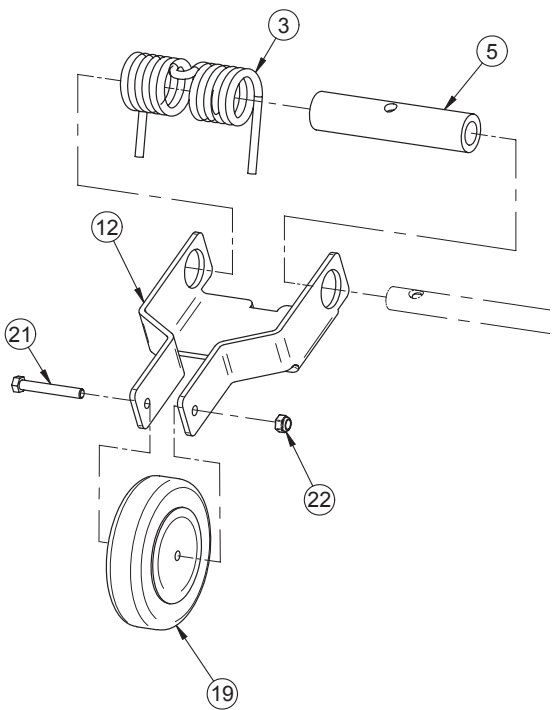
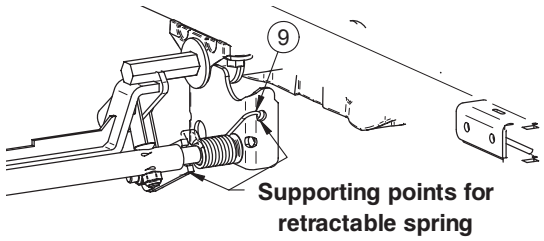
---



# Fifth Wheel

For Reference Only: OL230219  
Rev. 03





# Fifth Wheel

## Fifth Wheel (For Reference Only: OL230219G, Rev. 03)

Item	Part No.	Part Name	Qty.
1	17-0082G	Torque Shaft	1
2	17-0104Z	Fifth Wheel Support	1
3	17-0124G	Fifth Wheel Spring	1
4	23-0714G	S.A. Actuating Lever	1
5	25-0068	Fifth Wheel Bushing	1
6	QPA25-0340	Spacer 5/16 x 3/16	4
7	25-0581	Nylon Bushing 1/2" ID	2
8	28-0132Z	S.A. Right Fifth Wheel Support	1
9	28-0133Z	S.A. Left Fifth Wheel Support	1
10	28-0149Z	Torsion Lever	2
11	28-0150Z	Counter Lever	4
12	28-0151G	Clearance Arm	1
13	QE71-0496	Fifth Wheel Green Sticker	2
14	QE71-0511	Brake Sticker	2
15	QP23-0627	Pedal	2
16	QPA25-0312	Molded Spacer	2
17	QRD25-0582	Left Torsion Spring	1
18	QRD25-0585	Right Torsion Spring	1
19	RL5	Fifth Wheel	1
20	VB15A1O32	Hexagon Bolt 5/16-18 x 1" Grade 5 z.p.	4
21	VB15A1O50	Hexagon Bolt 5/16-18 x 2 1/4" Grade 5 z.p.	1
22	VE30A1O	Nylon Hexagon Locknut 5/16-18	7
23	VV11A1O36	Flat Head Hexagon Socket Cap Screw 5/16-18 UNC x 1 1/4"	2
24	VV11A1P48	Flat Head Hexagon Socket Cap Screw 3/8-16 UNC x 2"	1
25	VVB4A1O32	Bolt 5/16"-18 x 1" Self Tapping	4

# Fifth Wheel

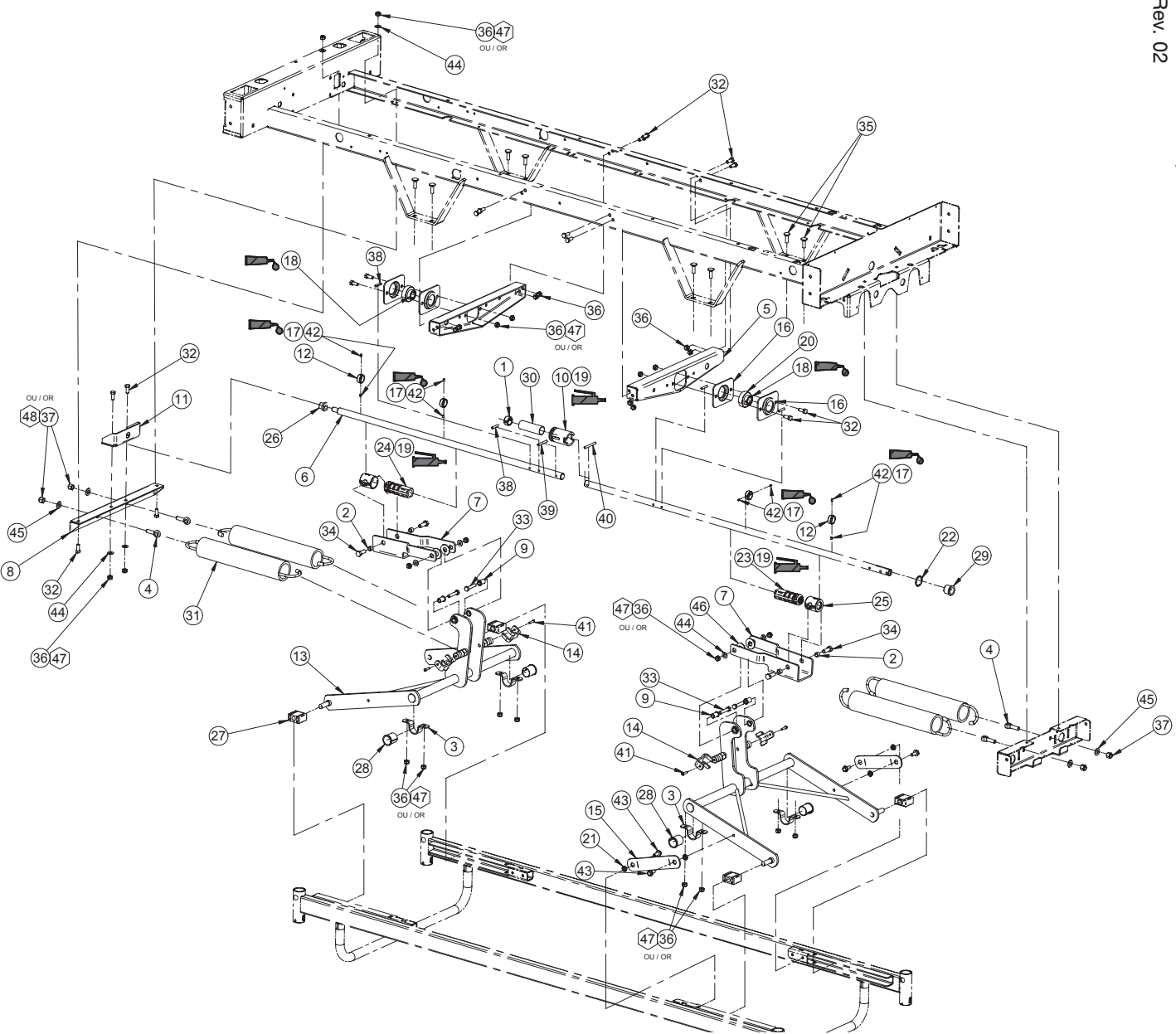
---

## Fifth Wheel (For Reference Only: OL230219G-T, Rev. 00) (Tamper Proof Option)

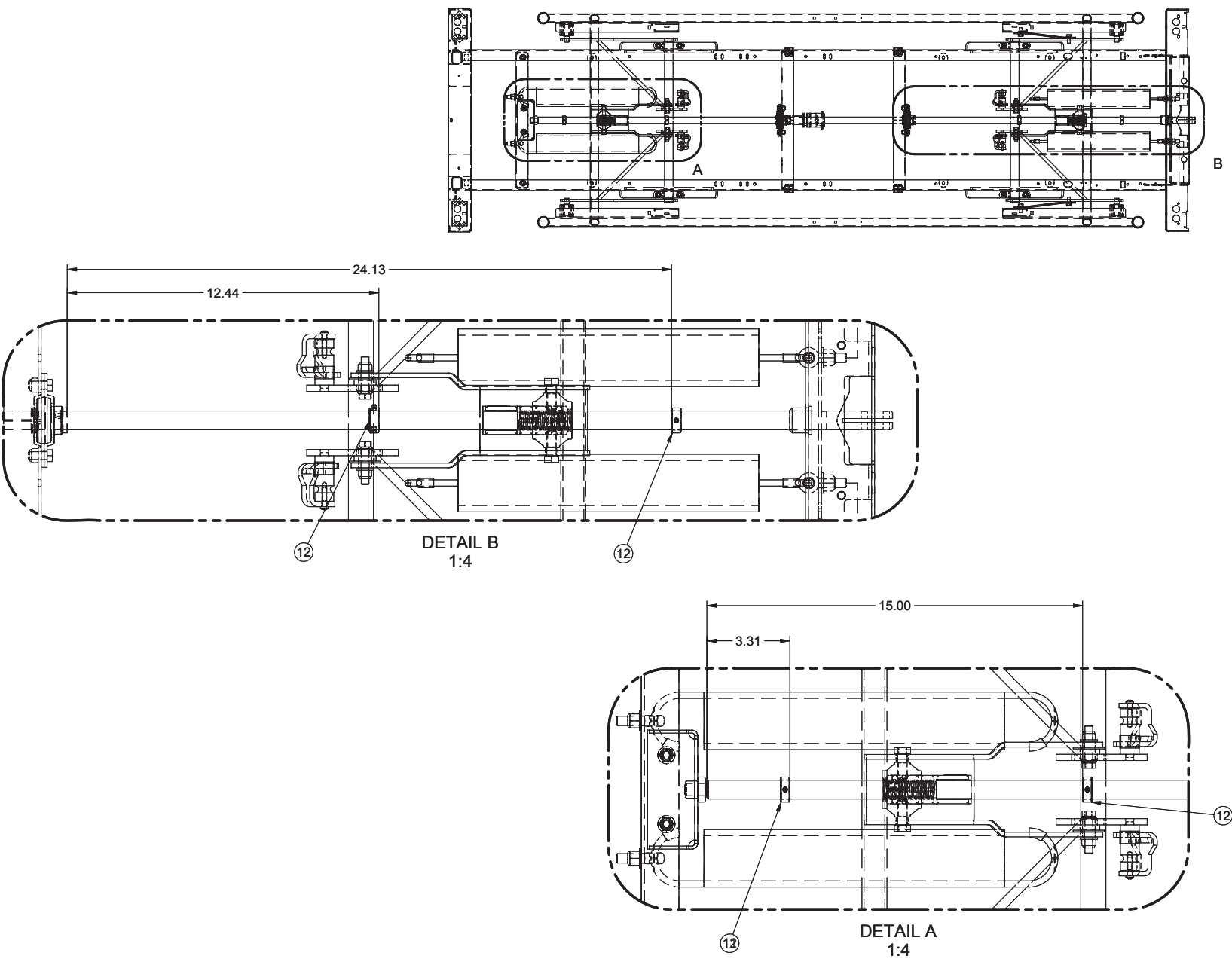
Item	Part No.	Part Name	Qty.
1	17-0082G	Torque Shaft	1
2	17-0104Z	Fifth Wheel Support	1
3	17-0124G	Fifth Wheel Spring	1
4	23-0714G	S.A. Actuating Lever	1
5	25-0068	Fifth Wheel Bushing	1
6	QPA25-0340	Spacer 5/16 x 3/16	4
7	25-0581	Nylon Bushing 1/2" ID	2
8	28-0132Z	S.A. Right Fifth Wheel Support	1
9	28-0133Z	S.A. Left Fifth Wheel Support	1
10	28-0149Z	Torsion Lever	2
11	28-0150Z	Counter Lever	4
12	28-0151G	Clearance Arm	1
13	QE71-0496	Fifth Wheel Green Sticker	2
14	QE71-0511	Brake Sticker	2
15	QP23-0627	Pedal	2
16	QPA25-0312	Molded Spacer	2
17	QRD25-0582	Left Torsion Spring	1
18	QRD25-0585	Right Torsion Spring	1
19	RL5	Fifth Wheel	1
20	VVB3A1O32-S	Machine Screw Pan Head Torx 5/16-18 x 1" Grade 5 z.p.	4
21	VVB3A1O50-S	Machine Screw Pan Head Torx 5/16-18 x 2 1/4" Grade 5 z.p.	1
22	VE52A1O	Tamper Proof Nut 5/16-18	7
23	VVB1A1O36-S	Flat Head Torx Socket Cap Screw 5/16-18 UNC x 1 1/4"	2
24	VVB1A1P48-S	Flat Head Torx Socket Cap Screw 3/8-16 UNC x 2"	1
25	VVB4A1O32	Bolt 5/16"-18 x 1" Self Tapping	4

## Bed Lift Mechanism

For Reference Only: L23-028  
Rev. 02



# Bed Lift Mechanism



# Bed Lift Mechanism

## Bed Lift Mechanism (For Reference Only: L23-028, Rev. 02)

Item	Part No.	Part Name	Qty.
1	1311P017-Z	Screw Jammer Zinc	1
2	14403Z	Spacer	4
3	14662Z	Lever Clamp	4
4	VB40A1P34-S	Spring Adjustment Screw	4
5	23-0355G	Frame Cross Member	4
6	23-0375Z	Hi-Lo Mechanism Head Screw	1
7	23-0379G	Hi-Lo Screw Harness	2
8	23-0385G	Spring Retaining Bar	1
9	23-0456	Spacer	4
10	23-0538	Clutch Coupling	1
11	23-0543G	Screw Support	1
12	23-0575Z	Screw Stop	4
13	23-0841G	S.A. Swivel Lever	2
14	23-0850Z	Retaining Plate	4
15	25-0281G	Stabilizer	2
16	493G	Bearing Plate 3/4" Diameter	4
17	M0008	Threadlocker (bleu)	-
18	M0015	Med. Strength Threadlocker (green)	-
19	M0019	OG2 Grade Grease	0.0300 kg
20	QBAS204012	Bearing 3/4"	2
21	QDF17-0020	Bushing Dia. 5/16 x 0.210"	4
22	QDF7852	Retainer Ring 1"	1
23	QP13-0675-11	Right Stub Acme Nut	1
24	QP13-0676-01	Left Stub Acme Nut	1
25	QPA13-0674	Nut Bracket	2
26	QPN-13-0159	Nylon Bushing 1/2" Int. Dia.	1
27	QPN-1310P009	Nylon Glide	4
28	QPN-18121	Molded Frame Bushing	4
29	QPN-18315	Nylon Bushing 3/4" Int. Dia.	1
30	QRCL498	Compression Spring 1" x 3" lg	1
31	QRE23-0871	Extension Spring 2.3" out. x 16" z.p.	4
32	VB15A1O24	Hex. Bolt 5/16-18 x 3/4" lg Gr. 5	16
33	VB15A1O40	Hex. Bolt 5/16-18 x 1 1/2" Gr. 5 z.p.	4
34	VB15A1P32-S	Hex. Bolt 3/8-16 x 1" Gr. 5 z.p.	4
		Scotch Grip	4
35	VB35A1O32	Carriage Bolt 5/16-18 x 1" Gr. 5 z.p.	8
36	VE30A1O	Nylon Locknut 5/16"-18	28
37	VE30A1P	Nylon Locknut 3/8-16	4
38	VG10B0732	Roll Pin Dia. 0.219" x 1"	4
39	VG10B0742	Roll Pin Dia. 0.219" x 1.625"	1
40	VG10B0748	Roll Pin Dia. 0.219" x 2"	1
41	VV33A0G24	Machine Screw Pan Head Phillips 10-32 x 3/4"	4
42	VV60B1E08	Hex. Pressure Screw 8-32 x 1/4"	8
43	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	4
44	VW10A10	Flat Washer 5/16" S.A.E.	8
45	VW10A12	Washer 3/8" ins. x 13/16" out. x 1/16" wi.	4
46	VW10C173602	Nylon Washer	4

[Return To Table of Contents](#)

# Bed Lift Mechanism

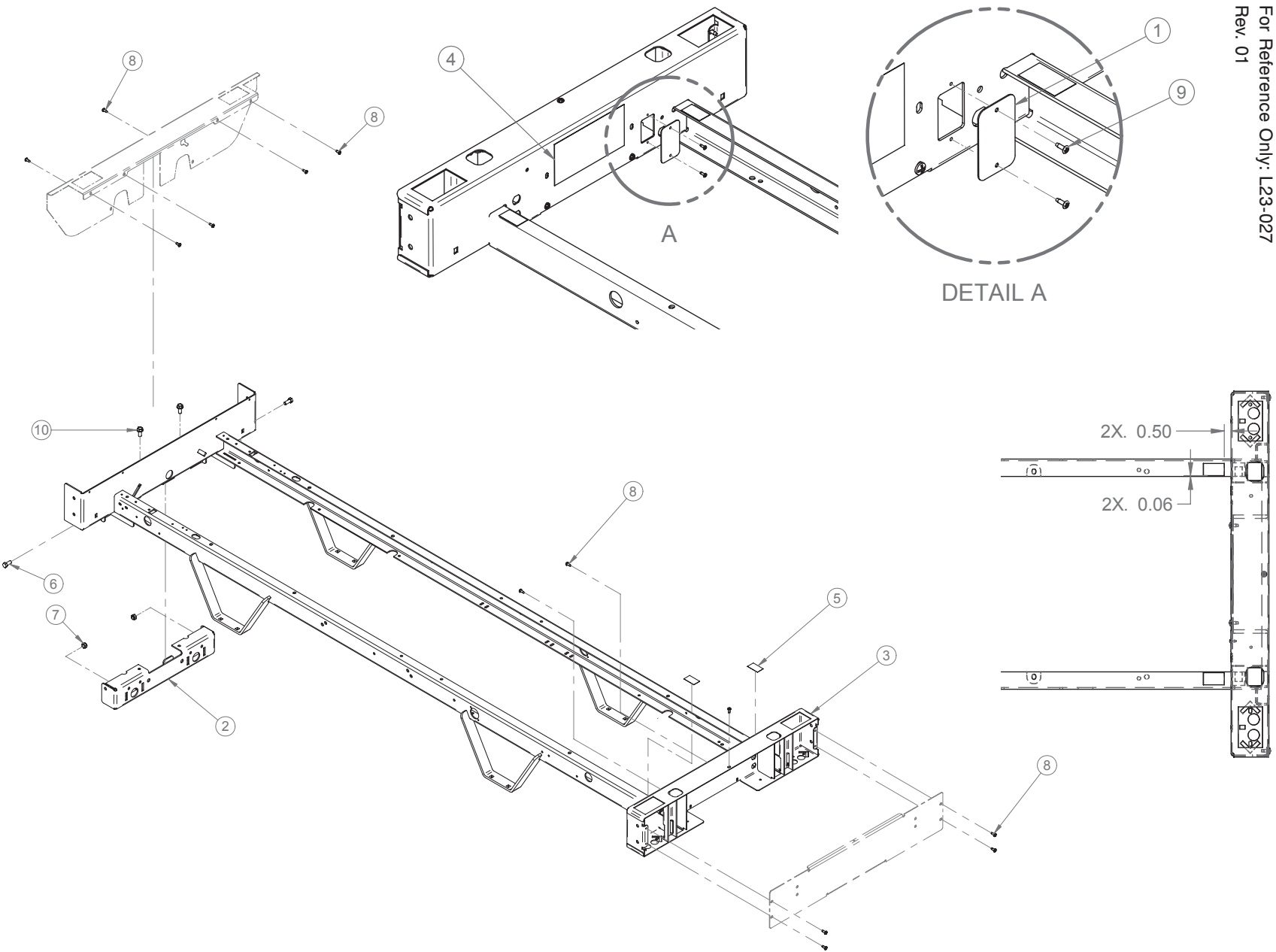
## Bed Lift Mechanism (For Reference Only: L23-028-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	1311P017Z	Screw Jammer Zinc	1
2	14403Z	Spacer	4
3	14662Z	Lever Clamp	4
4	VB40A1P34-S	Spring Adjustment Screw	4
5	23-0355G	Frame Cross Member	4
6	23-0375Z	Hi-Lo Mechanism Head Screw	1
7	23-0379G	Hi-Lo Screw Harness	2
8	23-0385G	Spring Retaining Bar	1
9	23-0456	Spacer	4
10	23-0538	Clutch Coupling	1
11	23-0543G	Screw Support	1
12	23-0575Z	Screw Stop	4
13	23-0841G	S.A. Swivel Lever	2
14	23-0850Z	Retaining Plate	4
15	25-0281G	Stabilizer	2
16	493G	Bearing Plate 3/4" Diameter	4
17	M0008	Threadlocker (bleu)	-
18	M0015	Med. Strength Threadlocker (green)	-
19	M0019	OG2 Grade Grease	0.0300 kg
20	QBAS204012	Bearing 3/4"	2
21	QDF17-0020	Bushing Dia. 5/16 x 0.210"	4
22	QDF7852	Retainer Ring 1"	1
23	QP13-0675-11	Right Stub Acme Nut	1
24	QP13-0676-01	Left Stub Acme Nut	1
25	QPA13-0674	Nut Bracket	2
26	QPN-13-0159	Nylon Bushing 1/2" Int. Dia.	1
27	QPN-1310P009	Nylon Glide	4
28	QPN-18121	Molded Frame Bushing	4
29	QPN-18315	Nylon Bushing 3/4" Int. Dia.	1
30	QRCL498	Compression Spring 1" x 3" lg	1
31	QRE23-0871	Extension Spring 2.3" out. x 16" z.p.	4
32	VVB3A1O24-S	Machine Screw Pan Head Torx 5/16-18 x 3/4" lg Gr. 5	16
33	VB15A1O40	Hex. Bolt 5/16-18 x 1 1/2" Gr. 5 z.p.	4
34	VVB3A1P32-S	Machine Screw Pan Head Torx 3/8-16 x 1" Gr. 5 z.p. Scotch Grip	4
35	VB35A1O32	Carriage Bolt 5/16-18 x 1" Gr. 5 z.p.	8
36	VE30A1O	Nylon Locknut 5/16"-18	28
37	VE30A1P	Nylon Locknut 3/8-16	4
38	VG10B0732	Roll Pin Dia. 0.219" x 1"	4
39	VG10B0742	Roll Pin Dia. 0.219" x 1.625"	1
40	VG10B0748	Roll Pin Dia. 0.219" x 2"	1
41	VVB3A0G24-S	Machine Screw Pan Head Torx 10-32 x 3/4"	4
42	VV60B1E08	Hex. Pressure Screw 8-32 x 1/4"	8
43	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	4
44	VW10A10	Flat Washer 5/16" S.A.E.	8
45	VW10A12	Washer 3/8" x 13/16" x 1/16"	4
46	VW10C173602	Nylon Washer	4
47	VE52A1O	Tamper Proof Nut 5/16-18	20
48	VE52A1P	Tamper Proof Nut 3/8-16	2



# Short Frame

For Reference Only: L23-027  
Rev. 01



# Short Frame

---

## Litter Frame (For Reference Only: L23-027G, Rev. 01)

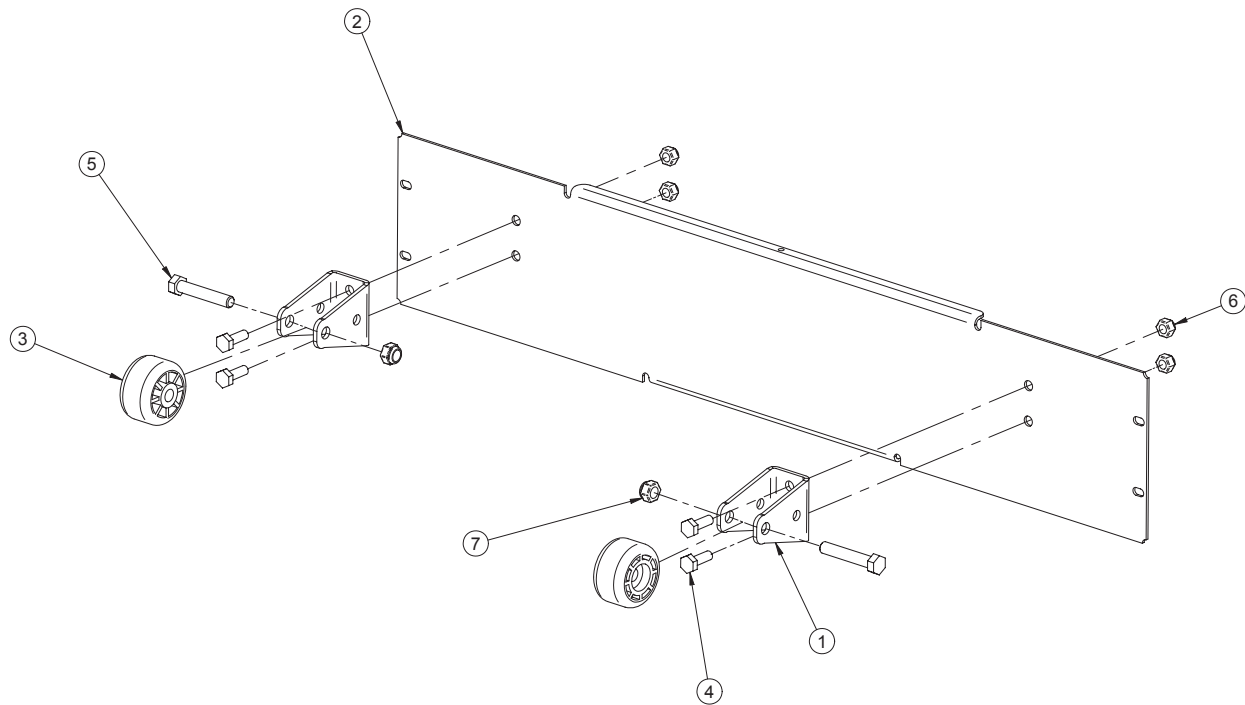
Item	Part No.	Part Name	Qty.
1	14-1448G	Hole Cover	1
2	23-0352G	Foot End Cross Member	1
3	23-0791G	Short Frame	1
4	QE71-1250	Manufacturer Sticker	1
5	QE71-1069	Frame Protector Sticker	2
6	VB15A1O24	Bolt 5/16-18 x 3/4" LG Grade 5 z.p.	2
7	VE30A1O	Nylon Hexagon Locknut 5/16-18 UNC	2
8	VV83A9G16	Tapping Screw Type B Pan Head Phillips #10 x 1/2" z.p.	25
9	VV87A9A12	Tapping Screw Type B Truss Head Phillips #4 x 3/8" z.p.	2
10	VVB4A1024	Bolt 5/16"-18 x 3/4" Self Tapping	2

## Litter Frame (For Reference Only: L23-027G-T, Rev. 01) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	14-1448G	Hole Cover	1
2	23-0352G	Foot End Cross Member	1
3	23-0791G	Short Frame	1
4	QE71-1250	Manufacturer Sticker	1
5	QE71-1069	Frame Protector Sticker	2
6	VVB3A1O24-S	Machine Screw Pan Head Torx 5/16-18 x 3/4" LG Grade 5 z.p.	2
7	VE30A1O	Nylon Hexagon Locknut 5/16-18 UNC	2
8	VVB3A9G16	Tapping Screw Type B Pan Head Torx #10 x 1/2" z.p.	25
9	VV87A9A12	Tapping Screw Type B Truss Head Phillips #4 x 3/8" z.p.	2
10	VVB4A1024	Bolt 5/16"-18 x 3/4" Self Tapping	2

# Bumpers - One Rigid Roller

For Reference Only: OL230265  
Rev. 01



## Bumpers - One Rigid Roller (For Reference Only: OL230265G, Rev. 01)

Item	Part No.	Part Name	Qty.
1	23-0798G	Single Bumper Support	2
2	23-0824G	Roller Bumper Head Cover	1
3	QPN14-0705	Roller for Head Walking Beam	2
4	VB15A1N24	Bolt 1/4-20 x 3/4" Grade 5 z.p.	4
5	VB15A1O44	Bolt 5/16-18 x 1 3/4" LG Grade 5	2
6	VE30A1N	Nylon Locknut 1/4-20	4
7	VE30A1O	Nylon Locknut 5/16-18	2

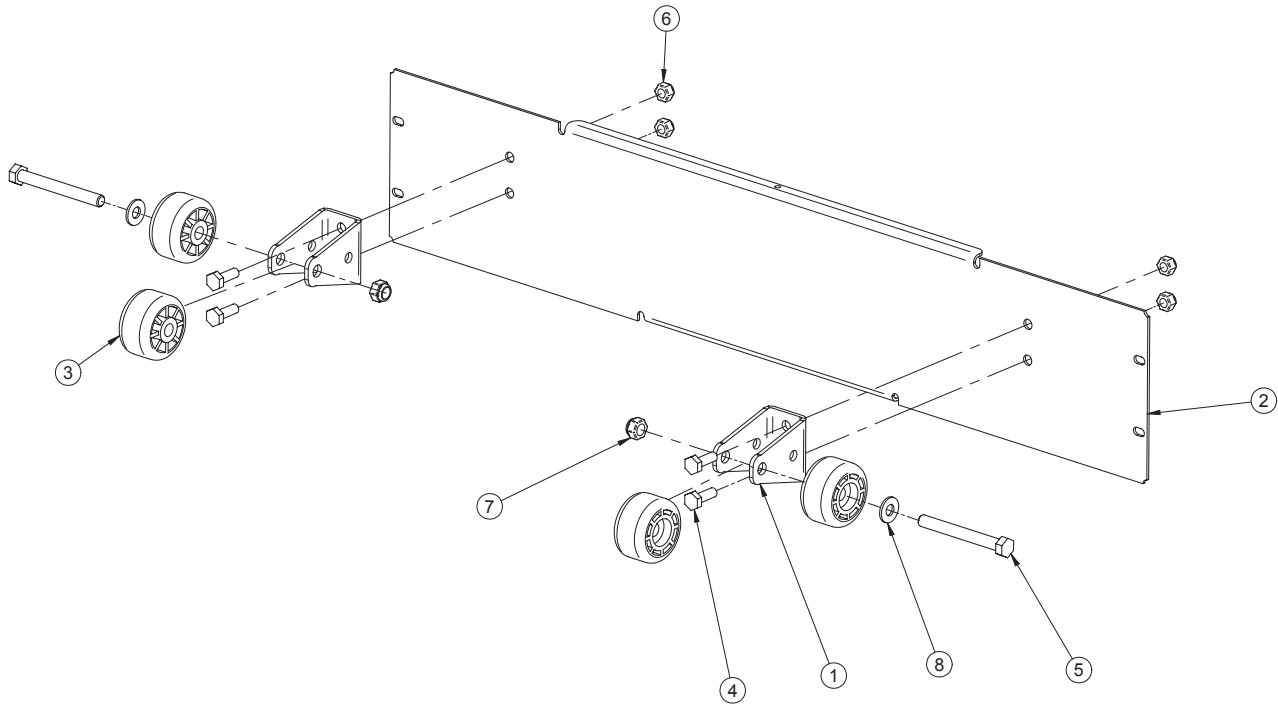
## Bumpers - One Rigid Roller (For Reference Only: OL230265G-T, Rev. 00) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	23-0798G	Single Bumper Support	2
2	23-0824G	Roller Bumper Head Cover	1
3	QPN14-0705	Roller for Head Walking Beam	2
4	VB15A1N24	Bolt 1/4-20 x 3/4" Grade 5 z.p.	4
5	VVB3A1O44-S	Machine Screw Pan Head Torx 5/16-18 x 1 3/4" LG Grade 5	2
6	VE30A1N	Nylon Locknut 1/4-20	4
7	VE30A1O	Nylon Locknut 5/16-18	2

[Return To Table of Contents](#)

# Bumpers - Two Soft Rollers

For Reference Only: OL230264  
Rev. 01



## Bumpers - Two Soft Rollers (For Reference Only: OL230264G, Rev. 01)

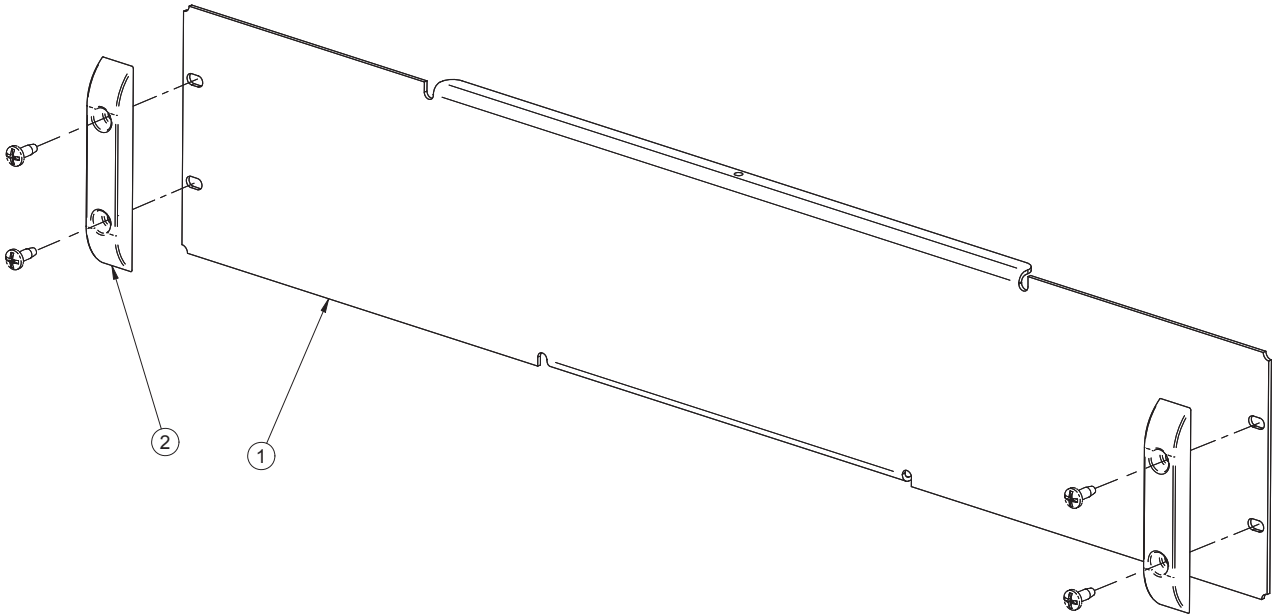
Item	Part No.	Part Name	Qty.
1	23-0798G	Single Bumper Support	2
2	23-0824G	Roller Bumper Head Cover	1
3	QPC-14-0321	Roller Diameter 1 3/4"	4
4	VB15A1N24	Bolt 1/4"-20 x 3/4" Grade 5 z.p.	4
5	VB15A1O54	Bolt 5/16-18 x 2 3/4" LG, "Full Thread"	2
6	VE30A1N	Nylon Locknut 1/4-20	4
7	VE30A1O	Nylon Locknut 5/16"-18	2
8	VW10A10	Flat Washer Diameter 5/16" S.A.E.	2

## Bumpers - Two Soft Rollers (For Reference Only: OL230264G-T, Rev. 01) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	23-0798G	Single Bumper Support	2
2	23-0824G	Roller Bumper Head Cover	1
3	QPC-14-0321	Roller Diameter 1 3/4"	4
4	VB15A1N24	Bolt 1/4"-20 x 3/4" Grade 5 z.p.	4
5	VVB3A1O54-S	Machine Screw Pan Head Torx 5/16-18 x 2 3/4" LG	2
6	VE30A1N	Nylon Locknut 1/4-20	4
7	VE30A1O	Nylon Locknut 5/16"-18	2
8	VW10A10	Flat Washer Diameter 5/16" S.A.E.	2

# Short Bed Bumper

For Reference Only: OL230266  
Rev. 00

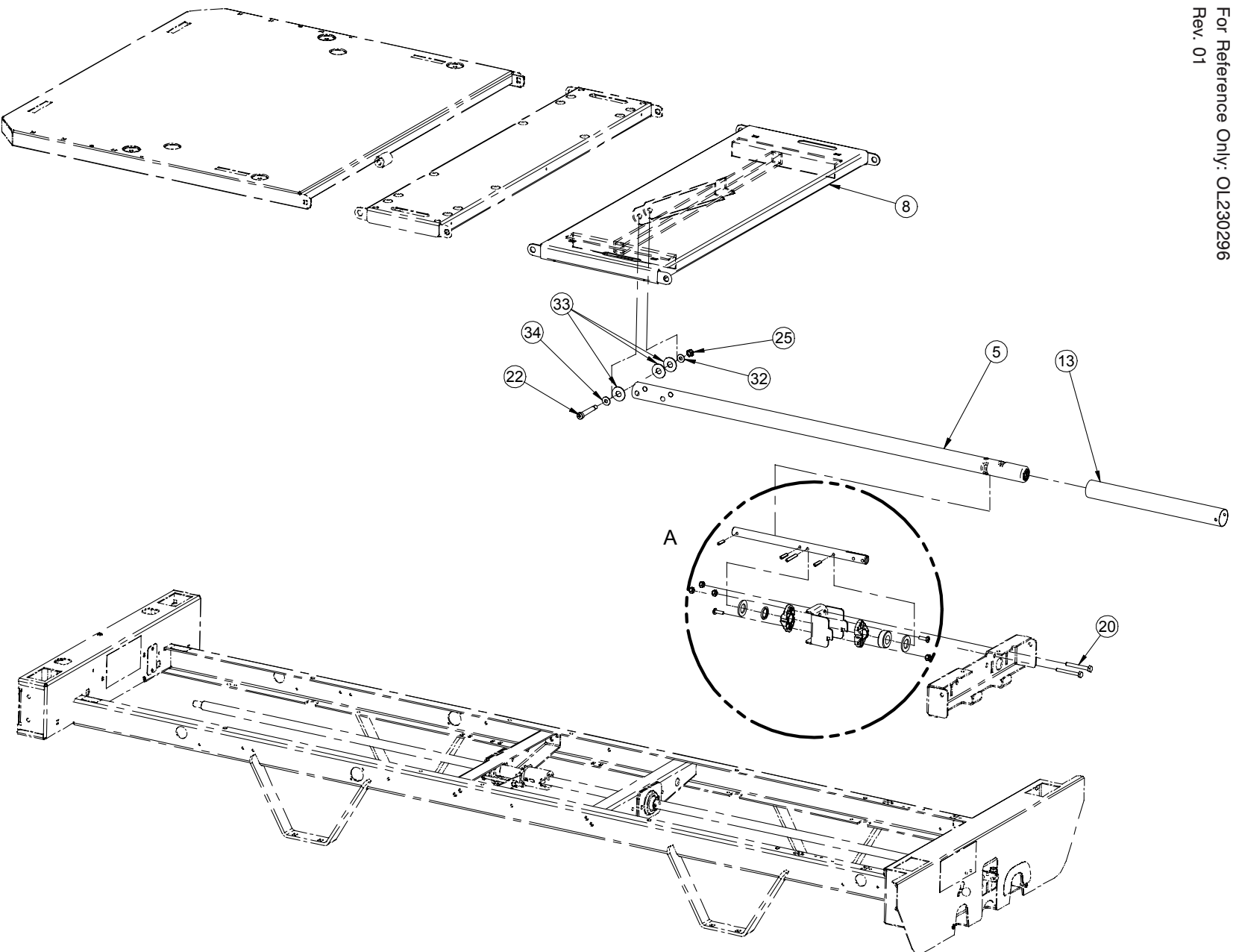


Short Bed Bumper (For Reference Only: OL230266G, Rév. 00)

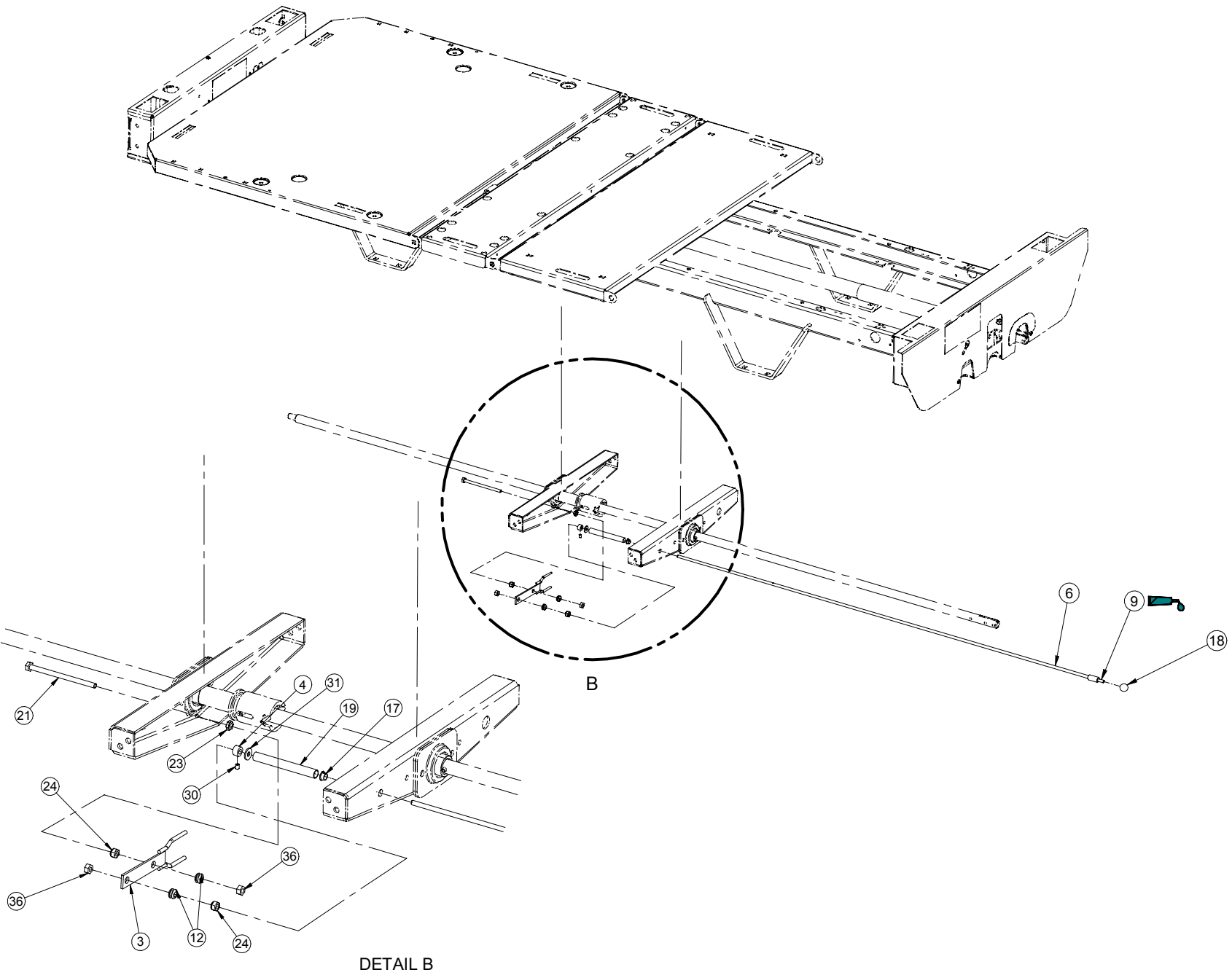
Item	Part No.	Part Name	Qty.
1	23-0825G	Short Bumper Head Cover	1
2	QP23-0776	Glider	2

# Trendelenburg and Foot Elevation Options

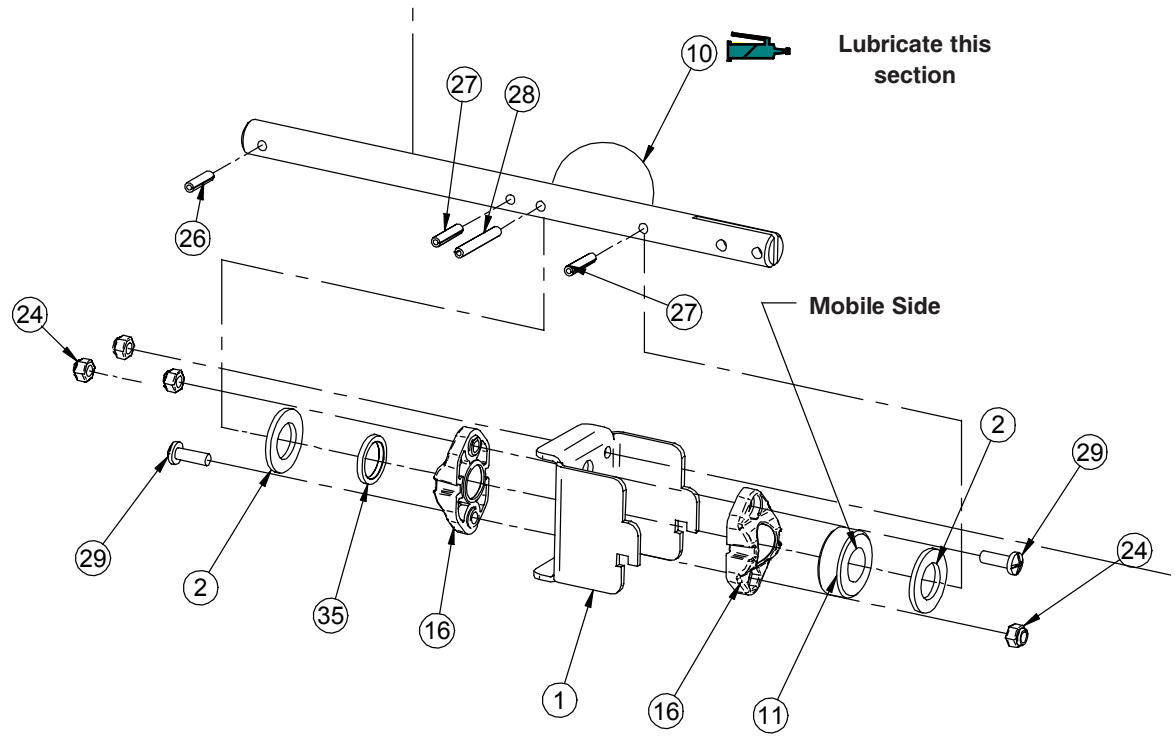
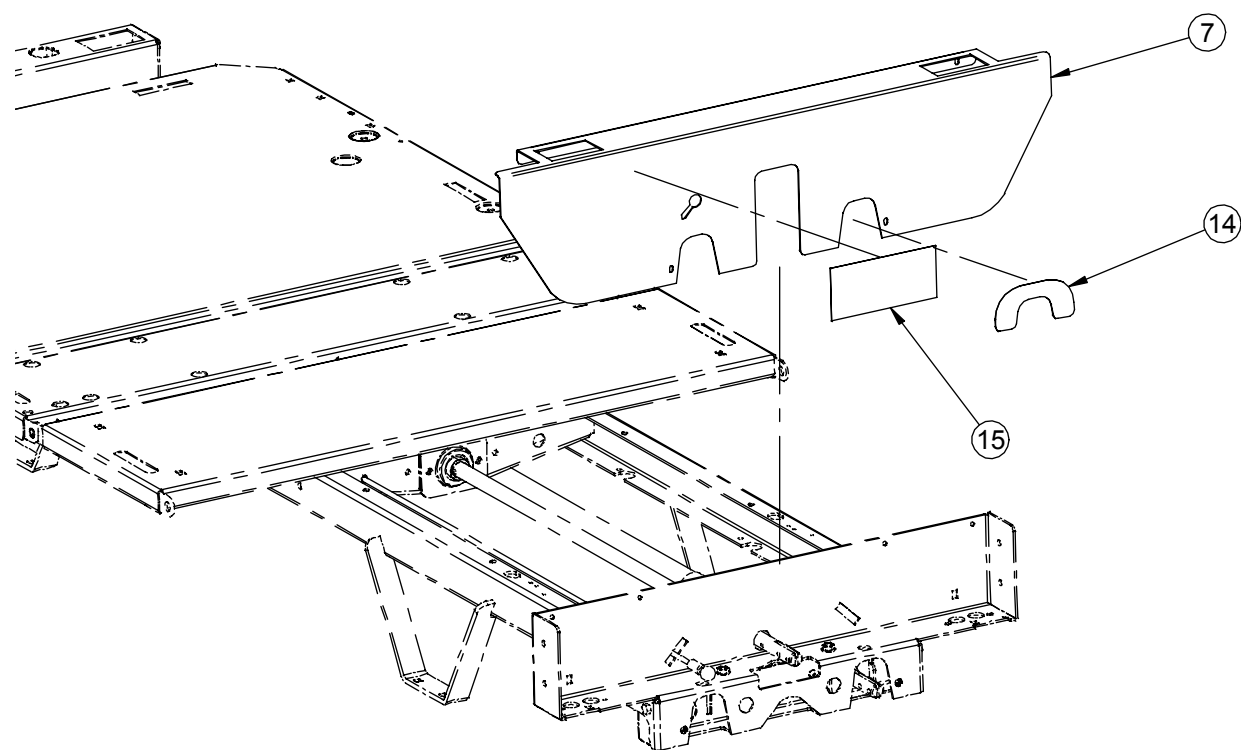
For Reference Only: OL230296  
Rev. 01



# Trendelenburg and Foot Elevation Options



# Trendelenburg and Foot Elevation Options



DETAIL A



# Trendelenburg and Foot Elevation Options

Trendelenburg and Foot Elevation Options (For Reference Only: OL230296G, Rev. 01)

Item	Part No.	Part Name	Qty.
1	13-0853G	Screw Support	1
2	13-0956Z	Washer for 3/4" Bolt	2
3	18108G	Trendelenburg Activation Lever	1
4	19-0478Z	Adjustable Stopper	1
5	23-0357	S.A. Gatch Actuator Tube	1
6	23-0539Z	S.A. Engaging Rod (Trendelenburg)	1
7	23-0653G	Foot Cover Full-Length FL23M	1
8	25-0634G	S.A. Gatch	1
9	M0008	Threadlocker (bleu)	-
10	M0019	OG Grade Grease	-
11	QB4459-00	Ball Thrust Bearing dia. 3/4"	1
12	QDF9506	Rubber Grommet	2
13	QDFT18-0254	Screw Protection Tube	1
14	QE71-1242	Foot Elevation Sticker	1
15	QE71-1244	Trendelenburg Sticker	1
16	QP18-0248	Pivot for Screw Handle	2
17	QPN12402	Nylon Bushing with Shoulder Diameter 1/4"	1
18	QPPB0301	Ball Knob	1
19	QRC18135	Engaging Rod Spring	1
20	VB15A1N50	Bolt 1/4"-20 x 2 1/4" z.p. Gr. 5	2
21	VB15A1N64FT	Bolt 1/4"-20 x 4" Grade 5 z.p.	1
22	VD60B1O1248	Shoulder Screw 3/4" x 2 x 5/16-18	1
23	VE20A1N	Counternut 1/4-20	1
24	VE30A1N	Nylon Locknut 1/4-20	8
25	VE30A1O	Nylon Locknut 5/16"-18	1
26	VG10B0728	Roll Pin dia. 0.219" x 0.875"	1
27	VG10B0732	Roll Pin dia. 0.219" x 1.00"	2
28	VG10B0742	Roll Pin dia. 0.219" x 1.625"	1
29	VV33A1N24	Machine Screw Pan Head Phillips 1/4-20 x 3/4" lg	2
30	VV60A0G08-S	Hex. Pressure Screw #10-32 x 1/4" lg Scotch Grip	1
31	VW10A08	Flat Washer 1/4 x 1/16	1
32	VW10A10	Flat Washer dia. 5/16" SAE	1
33	VW10C173602	Nylon Washer	3
34	VW10C241002	Nylon Washer 5/16" ins. x 3/4" out. x 1/16" wi.	1
35	VW10C263304	Nylon Washer 0.813 x 1.063 x 0.125	1
36	VE50A1N	Two-Side Locknut 1/4-20	2

[Return To Table of Contents](#)

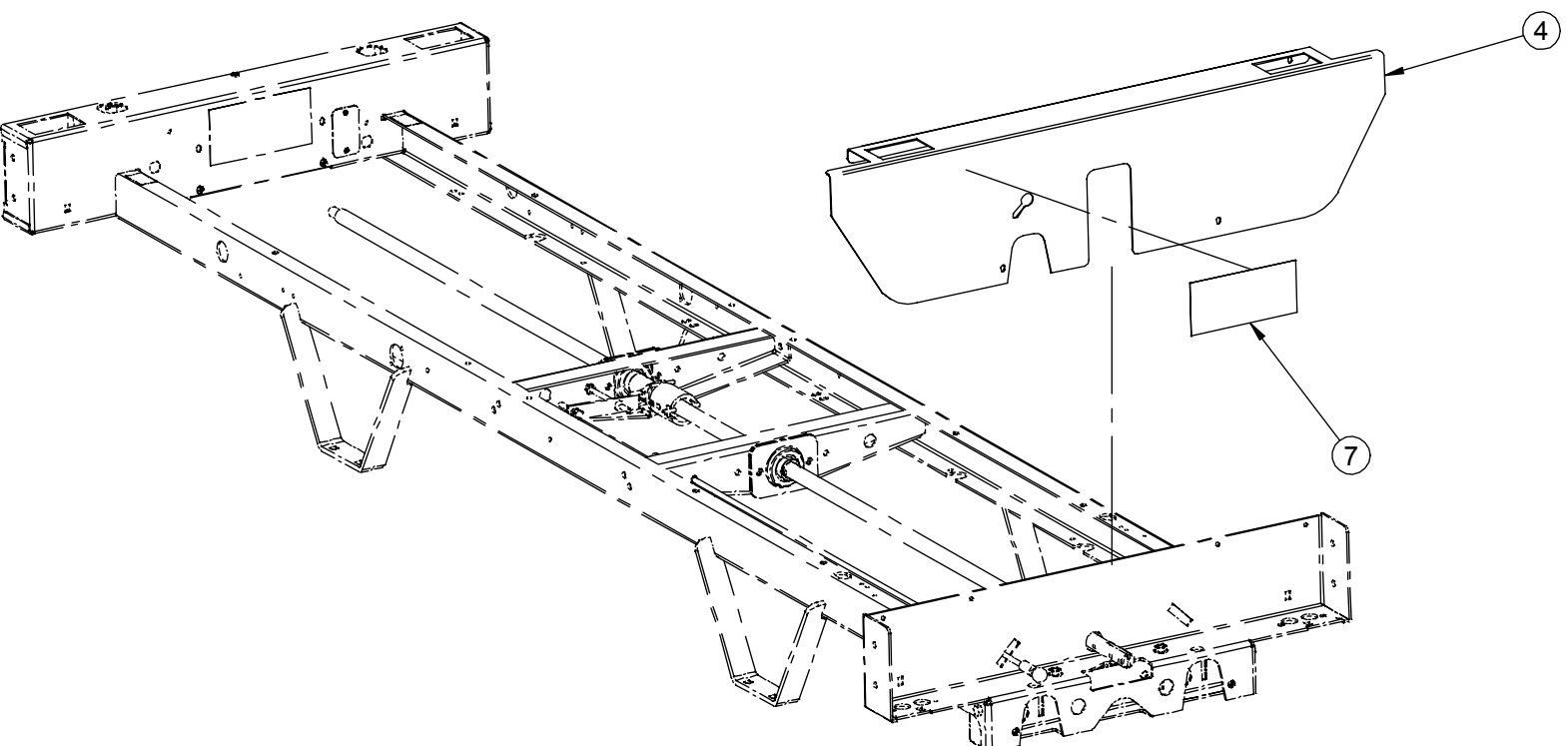
# Trendelenburg and Foot Elevation Options

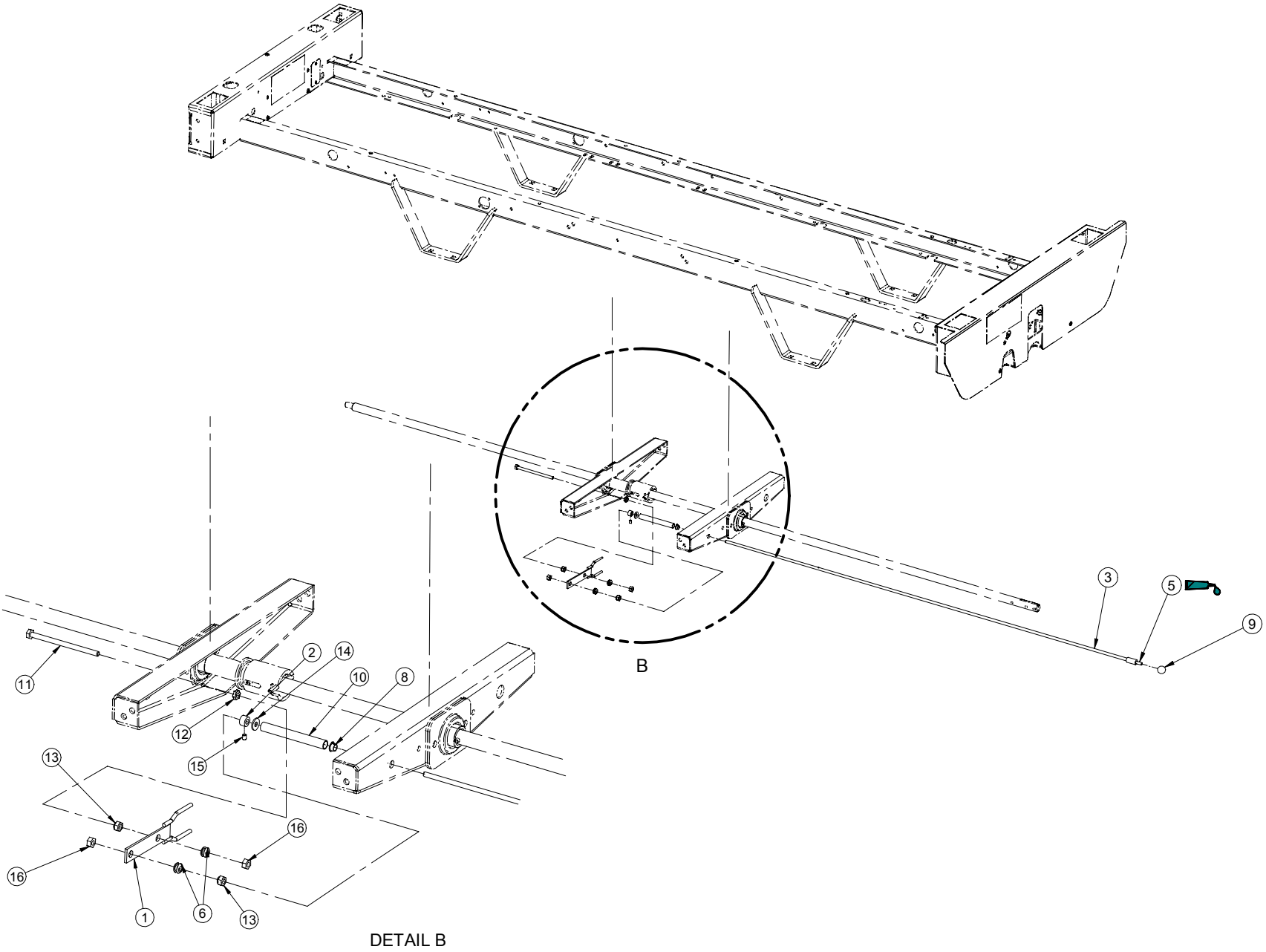
Trendelenburg and Foot Elevation Options (For Reference Only: OL230296G-T, Rev. 01) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	13-0853G	Screw Support	1
2	13-0956Z	Washer for 3/4" Bolt	2
3	18108G	Trendelenburg Activation Lever	1
4	19-0478Z	Adjustable Stopper	1
5	23-0357	S.A. Gatch Actuator Tube	1
6	23-0539Z	S.A. Engaging Rod (Trendelenburg)	1
7	23-0653G	Foot Cover Full-Length FL23M	1
8	25-0634G	S.A. Gatch	1
9	M0008	Threadlocker (bleu)	-
10	M0019	OG Grade Grease	-
11	QB4459-00	Ball Thrust Bearing dia. 3/4"	1
12	QDF9506	Rubber Grommet	2
13	QDFT18-0254	Screw Protection Tube	1
14	QE71-1242	Foot Elevation Sticker	1
15	QE71-1244	Trendelenburg Sticker	1
16	QP18-0248	Pivot for Screw Handle	2
17	QPN12402	Nylon Bushing with Shoulder Diameter 1/4"	1
18	QPPB0301	Ball Knob	1
19	QRC18135	Engaging Rod Spring	1
20	VB15A1N50	Bolt 1/4"-20 x 2 1/4" z.p. Gr. 5	2
21	VVB3A1N64-S	Machine Screw Pan Head Torx 1/4"-20 x 4" Grade 5 z.p.	1
22	VD60B1O1248	Shoulder Screw 3/4" x 2 x 5/16-18	1
23	VE20A1N	Counternut 1/4-20	1
24	VE30A1N	Nylon Locknut 1/4-20	6
25	VE52A1O	Tamper Proof Nut 5/16"-18	1
26	VG10B0728	Roll Pin dia. 0.219" x 0.875"	1
27	VG10B0732	Roll Pin dia. 0.219" x 1.00"	2
28	VG10B0742	Roll Pin dia. 0.219" x 1.625"	1
29	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" lg	2
30	VV60A0G08-S	Hex. Pressure Screw #10-32 x 1/4" lg Scotch Grip	1
31	VW10A08	Flat Washer 1/4 x 1/16	1
32	VW10A10	Flat Washer dia. 5/16" SAE	1
33	VW10C173602	Nylon Washer	3
34	VW10C241002	Nylon Washer 5/16" ins. x 3/4" out. x 1/16" wi.	1
35	VW10C263304	Nylon Washer 0.813 x 1.063 x 0.125	1
36	VE50A1N	Two-Side Locknut 1/4-20	2

# Trendelenburg Options

For Reference Only: OL230261  
Rev. 01





# Trendelenburg Options

## Foot Cover with Trendelenburg without Gatch (For Reference Only: OL230261G Rev. 01)

Item	Part No.	Part Name	Qty.
1	18108G	Trendelenburg Activation Lever	1
2	19-0478Z	Adjustable Stopper	1
3	23-0539Z	S.A. Engaging Rod (Trendelenburg)	1
4	23-0821G	Foot Cover with Trendelenburg without Gatch	1
5	M0008	Threadlocker (bleu)	-
6	QDF9506	Rubber Grommet	2
7	QE71-1244	Trendelenburg Sticker	1
8	QPN12402	Nylon Bushing with Shoulder Diameter 1/4"	1
9	QPPB0301	Ball Knob	1
10	QRC18135	Engaging Rod Spring	1
11	VB15A1N64FT	Bolt 1/4"-20 x 4" Grade 5 z.p.	1
12	VE20A1N	Counternut 1/4-20	1
13	VE30A1N	Nylon Locknut 1/4-20	4
14	VV60A0G08-S	Hex. Pressure Screw #10-32 x 1/4" lg Scotch Grip	1
15	VW10A08	Flat Washer 1/4 x 1/16	1
16	VE50A1N	Two-Side Locknut 1/4-20	2

## Foot Cover with Trendelenburg without Gatch (For Reference Only: OL230261G-T Rev. 01) (Tamper Proof Option)

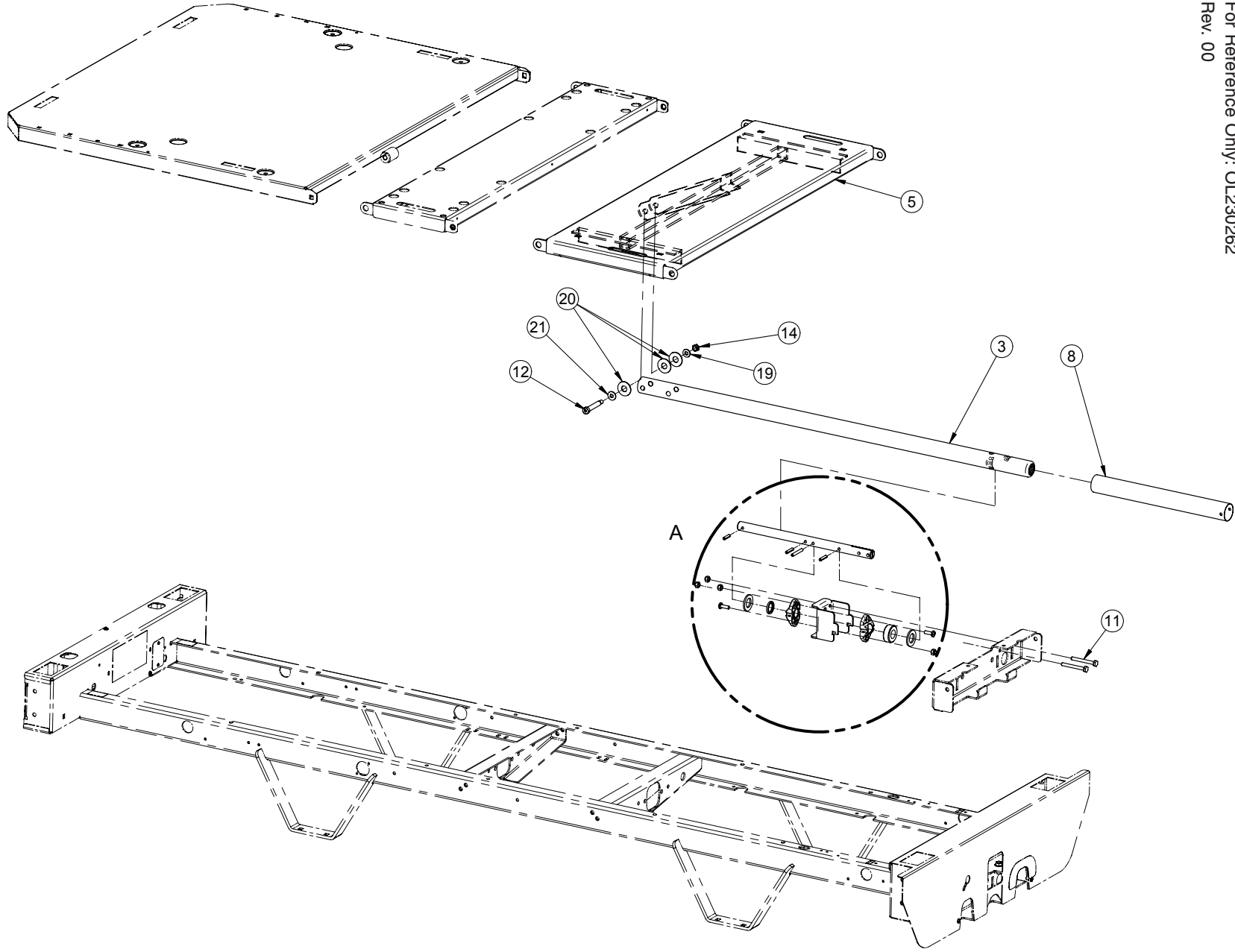
Item	Part No.	Part Name	Qty.
1	18108G	Trendelenburg Activation Lever	1
2	19-0478Z	Adjustable Stopper	1
3	23-0539Z	S.A. Engaging Rod (Trendelenburg)	1
4	23-0821G	Foot Cover with Trendelenburg without Gatch	1
5	M0008	Threadlocker (bleu)	-
6	QDF9506	Rubber Grommet	2
7	QE71-1244	Trendelenburg Sticker	1
8	QPN12402	Nylon Bushing with Shoulder Diameter 1/4"	1
9	QPPB0301	Ball Knob	1
10	QRC18135	Engaging Rod Spring	1
11	VVB3A1N64-S	Machine Screw Pan Head Torx 1/4"-20 x 4" Grade 5 z.p.	1
12	VE20A1N	Counternut 1/4-20	1
13	VE30A1N	Nylon Locknut 1/4-20	2
14	VV60A0G08-S	Hex. Pressure Screw #10-32 x 1/4" lg Scotch Grip	1
15	VW10A08	Flat Washer 1/4 x 1/16	1
16	VE50A1N	Two-Side Lock nut 1/4-20	2

# Notes

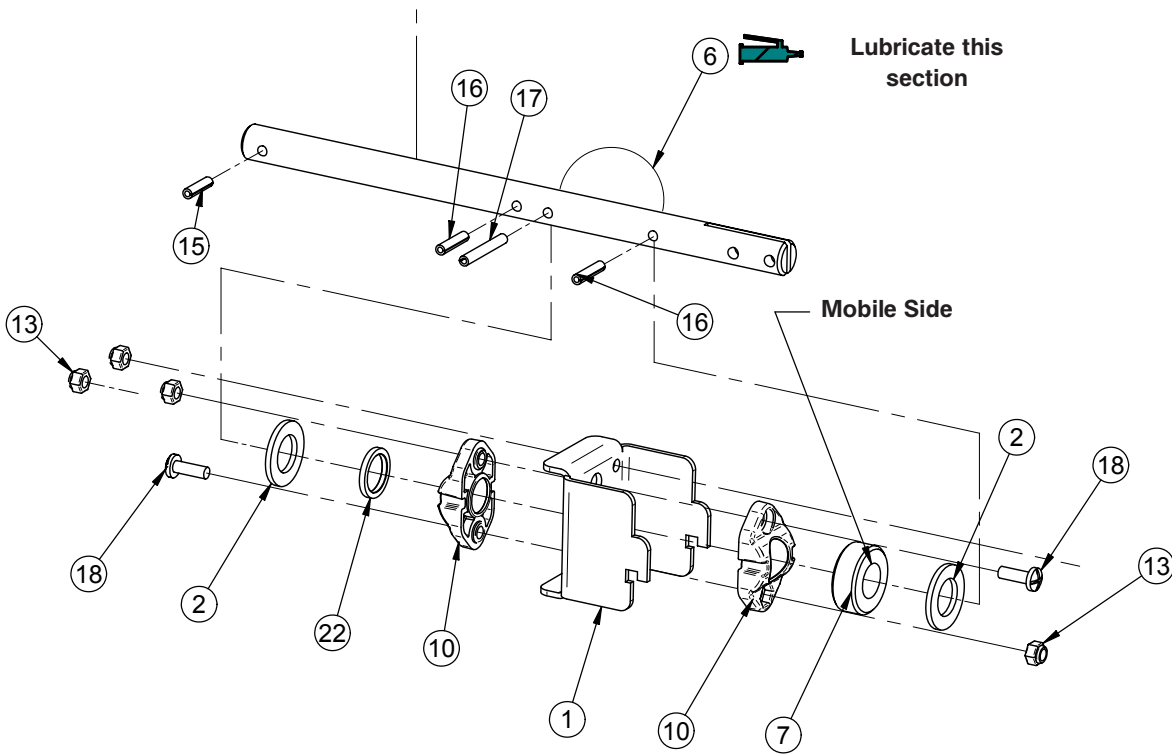
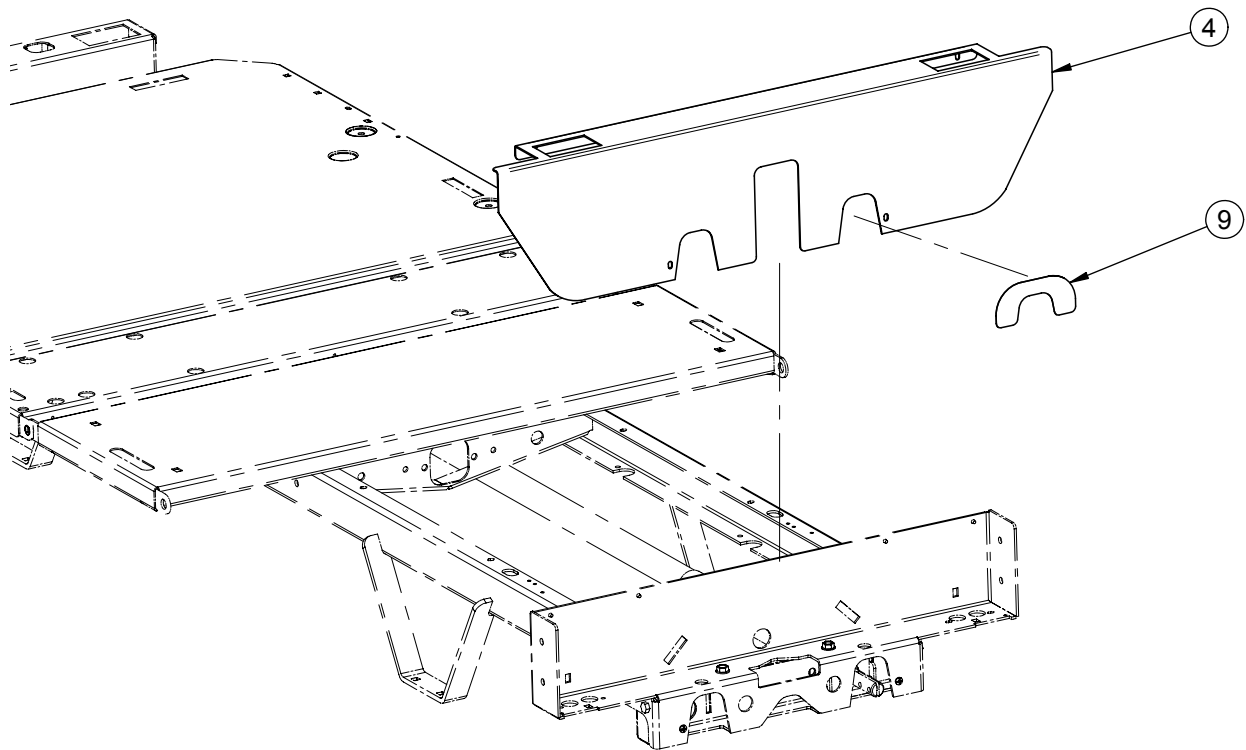
---

# Foot Elevation Option

For Reference Only: OL230262  
Rev. 00



# Foot Elevation Option



DETAIL A



# Foot Elevation Option

## Foot Elevation Option (For Reference Only: OL230262G)

Item	Part No.	Part Name	Qty.
1	13-0853G	Screw Support	1
2	13-0956Z	Washer for 3/4" Bolt	2
3	23-0357	S.A. Gatch Actuator Tube	1
4	23-0822G	Foot Cover without Trendelenburg with Knee Gatch	1
5	25-0634G	S.A. Gatch	1
6	M0019	OG2 Grade Grease	-
7	QB4459-00	Ball Thrust Bearing dia. 3/4"	1
8	QDFT18-0254	Screw Protection Tube	1
9	QE71-1242	Foot Elevation Sticker	1
10	QP18-0248	Pivot for Handle Screw	2
11	VB15A1N50	Bolt 1/4"-20 x 2 1/4" z.p. Gr. 5	2
12	VD60B1O1248	Shoulder Screw 3/8" x 2 x 5/16-18	1
13	VE30A1N	Nylon Locknut 1/4-20	4
14	VE30A1O	Nylon Locknut 5/16"-18	1
15	VG10B0728	Roll Pin dia. 0.219" x 0.875"	1
16	VG10B0732	Roll Pin dia. 0.219" x 1.00"	2
17	VG10B0742	Roll Pin dia. 0.219" x 1.625"	1
18	VV33A1N24	Machine Screw Pan Head Phillips 1/4-20 x 3/4" LG	2
19	VW10A10	Flat Washer dia. 5/16" SAE	1
20	VW10C173602	Nylon Washer	3
21	VW10C241002	Nylon Washer 5/16" ins. x 3/4" out. x 1/16" wi.	1
22	VW10C263304	Nylon Washer 0.813 x 1.063 x 0.125	1

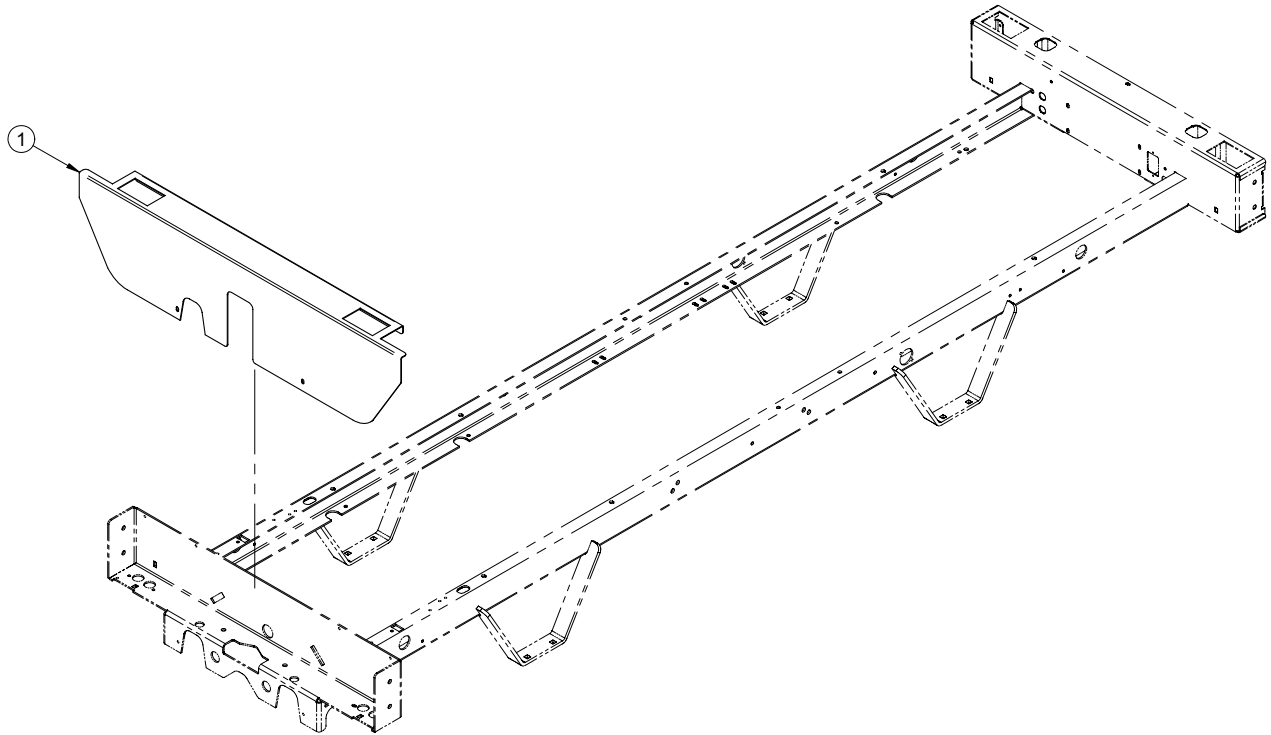
# Foot Elevation Option

## Foot Elevation Option (For Reference Only: OL230262G-T) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	13-0853G	Screw Support	1
2	13-0956Z	Washer for 3/4" Bolt	2
3	23-0357	S.A. Gatch Actuator Tube	1
4	23-0822G	Foot Cover without Trendelenburg with Knee Gatch	1
5	25-0634G	S.A. Gatch	1
6	M0019	OG2 Grade Grease	-
7	QB4459-00	Ball Thrust Bearing dia. 3/4"	1
8	QDFT18-0254	Screw Protection Tube	1
9	QE71-1242	Foot Elevation Sticker	1
10	QP18-0248	Pivot for Handle Screw	2
11	VB15A1N50	Bolt 1/4"-20 x 2 1/4" z.p. Gr. 5	2
12	VD60B1O1248	Shoulder Screw 3/8" x 2 x 5/16-18	1
13	VE30A1N	Nylon Locknut 1/4-20	4
14	VE52A1O	Tamper Proof Nut 5/16"-18	1
15	VG10B0728	Roll Pin dia. 0.219" x 0.875"	1
16	VG10B0732	Roll Pin dia. 0.219" x 1.00"	2
17	VG10B0742	Roll Pin dia. 0.219" x 1.625"	1
18	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" LG	2
19	VW10A10	Flat Washer dia. 5/16" SAE	1
20	VW10C173602	Nylon Washer	3
21	VW10C241002	Nylon Washer 5/16" ins. x 3/4" out. x 1/16" wi.	1
22	VW10C263304	Nylon Washer 0.813 x 1.063 x 0.125	1

# Without Optional Movements

For Reference Only: OL230263  
Rev. 00



## Without Optional Movements (For Reference Only: OL230263G)

Item	Part No.	Part Name	Qty.
1	23-0823G	Foot Cover without Trendelenburg without Gatch	1

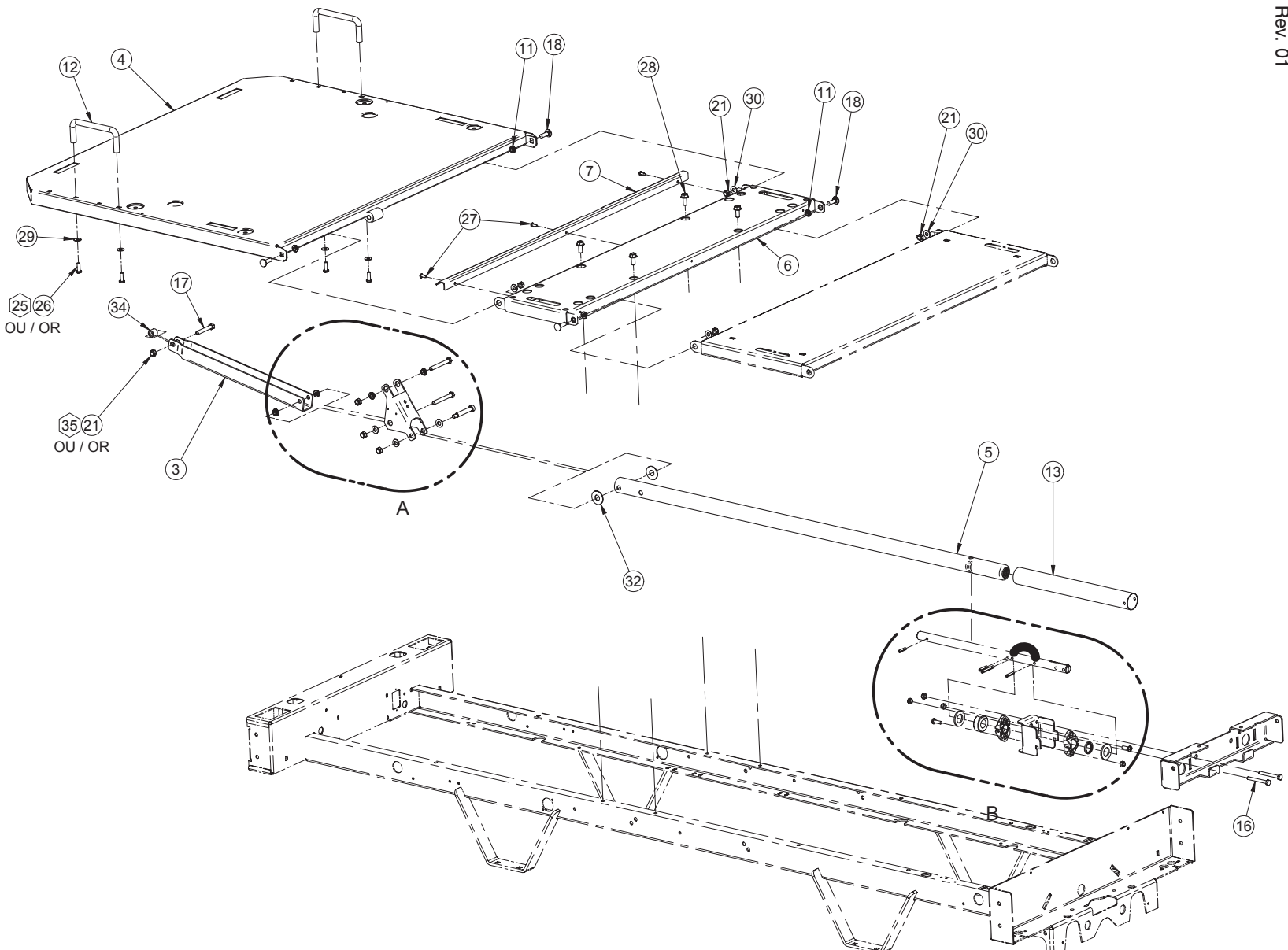
[Return To Table of Contents](#)

# Notes

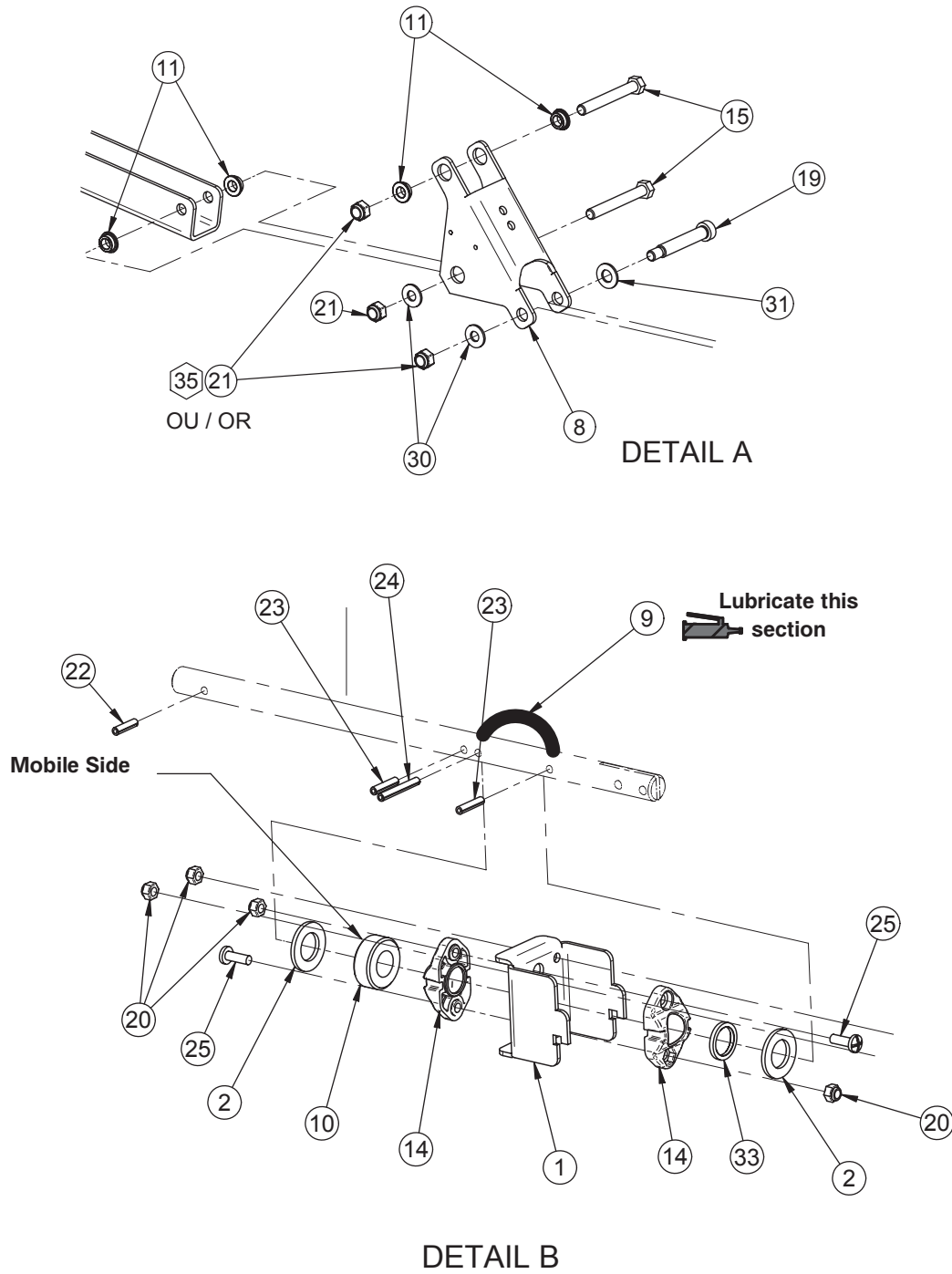
---

# Head Elevation

For Reference Only: L23-026  
Rev. 01



# Head Elevation



# Head Elevation

## Head Elevation (For Reference Only: L23-026G, Rev. 01)

Item	Part No.	Part Name	Qty.
1	13-0853G	Screw Support	1
2	13-0956Z	Steel Washer for 3/4" Bolt	2
3	20-0223G	Fowler Arm Lever	1
4	23-0091G	S.A. Fowler	1
5	23-0356	S.A. Head Actuator Tube - FL23SM	1
6	23-0640G	S.A. Center Section	1
7	25-0274G	Protector Angle	1
8	25-0362Z	Mattress Support Lever	1
9	M0019	Petro Canada OG2 Grease	0.0300 kg
10	QB4459-00	3/4" Thrust Bearing	1
11	QDF17-0020	Bushing Diameter 5/16 x 0.201"	8
12	QDF23-0831C	Mattress Stopper	2
13	QDFT18-0254	Screw Dust Cover	1
14	QP18-0248	Crank Screw Pivot	2
15	VB15A1052	Hexagon Bolt 5/16-18 x 2 1/2" Grade 5	2
16	VB15A1N50	Hexagon Bolt 1/4-20 x 2 1/4" Grade 5 z.p.	2
17	VB15A1O48	Hexagon Bolt 5/16"-18 x 2" Grade 5	1
18	VB35A1O32	Carriage Bolt 5/16-18 x 1" Gr. 5 z.p.	4
19	VD61A1O1248-S	Shoulder Screw 3/8" x 2 x 5/16-18	1
20	VE30A1N	Nylon Hexagon Locknut	4
21	VE30A1O	Nylon Hexagon Locknut 5/16-18 UNC z.p.	8
22	VG10B0728	Roll Pin 7/32" x 7/8" lg	1
23	VG10B0732	Roll Pin 7/32" Diameter x 1" lg	2
24	VG10B0742	Roll Pin 7/32" Diameter x 1 5/8" lg	1
25	VV33A1N24	Machine Screw Pan Phillips 1/4-20 x 3/4" z.p.	2
26	VV33A1N24-S	Machine Screw Pan Phillips 1/4-20 x 3/4" z.p. Scotch Grip	4
27	VV83A9G16	Tapping Screw Type B Pan Head Phillips #10 x 1/2" z.p.	3
28	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	4
29	VW10A08	Flat Washer 1/4 x 1/16	4
30	VW10A10	Flat Washer 5/16" SAE z.p.	6
31	VW10C122402	Nylon Washer 3/8" ID x 1/16"	1
32	VW10C173602	Nylon Washer 1/2" ID x 1 1/4" OD	2
33	VW10C263304	Nylon Washer 13/16" int. x 1-1/16" ext. x 1/8"	1
34	VW60C201320	Nylon Spacer 0.625" Diameter	1

# Head Elevation

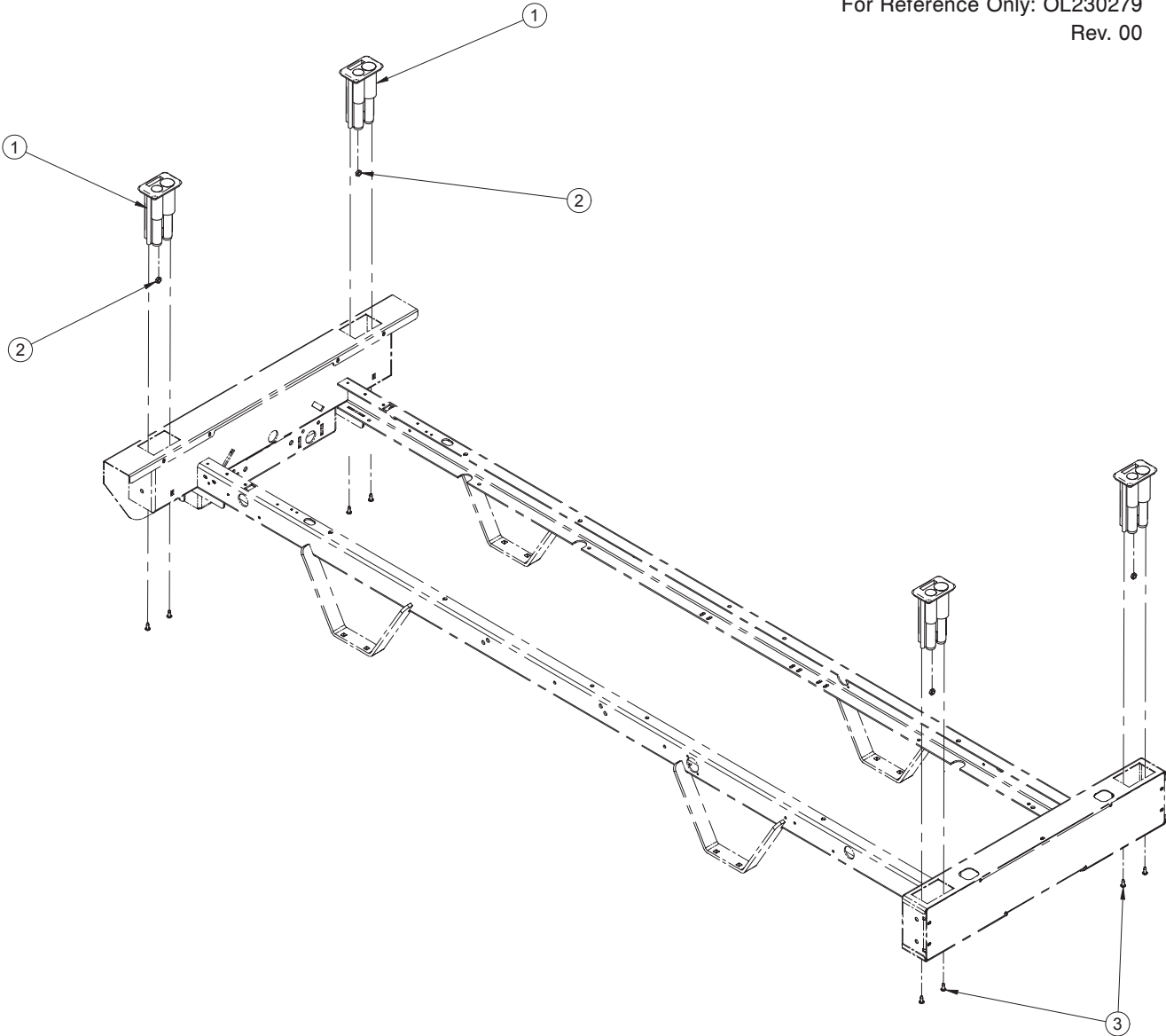
## Head Elevation (For Reference Only: L23-026G-T, Rev. 01) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	13-0853G	Screw Support	1
2	13-0956Z	Steel Washer for 3/4" Bolt	2
3	20-0223G	Fowler Arm Lever	1
4	23-0091G	S.A. Fowler	1
5	23-0356	S.A. Head Actuator Tube - FL23SM	1
6	23-0640G	S.A. Center Section	1
7	25-0274G	Protector Angle	1
8	25-0362Z	Mattress Support Lever	1
9	M0019	Petro Canada OG2 Grease	0.0300 kg
10	QB4459-00	3/4" Thrust Bearing	1
11	QDF17-0020	Bushing Diameter 5/16 x 0.201"	8
12	QDF23-0831C	Mattress Stopper	2
13	QDFT18-0254	Screw Dust Cover	1
14	QP18-0248	Crank Screw Pivot	2
15	VVB3A1O52-S	Machine Screw Pan Head Torx 5/16-18 x 2 1/2" Grade 5	2
16	VB15A1O50	Hexagon Bolt 1/4-20 x 2 1/4" Grade 5 z.p.	2
17	VVB3A1O48-S	Machine Screw Pan Head Torx 5/16"-18 x 2" Grade 5	1
18	VB35A1O32	Carriage Bolt 5/16-18 x 1" Gr. 5 z.p.	4
19	VD61A1O1248-S	Shoulder Screw 3/8" x 2 x 5/16-18	1
20	VE30A1N	Nylon Hexagon Locknut	4
21	VE30A1O	Nylon Hexagon Locknut 5/16-18 UNC z.p.	5
22	VG10B0728	Roll Pin 7/32" x 7/8" lg	1
23	VG10B0732	Roll Pin 7/32" Diameter x 1" lg	2
24	VG10B0742	Roll Pin 7/32" Diameter x 1 5/8" lg	1
25	VVB3A1N24-S	Machine Screw Pan Torx 1/4-20 x 3/4" z.p.	6
27	VVB3A0G16	Tapping Screw Type B Pan Head Torx #10 x 1/2" z.p.	3
28	VVB4A1024	Machine Screw Pan Head Torx 5/16-18 x 3/4 Self Tapping	4
29	VW10A08	Flat Washer 1/4 x 1/16	4
30	VW10A10	Flat Washer 5/16" SAE z.p.	6
31	VW10C122402	Nylon Washer 3/8" ID x 1/16"	1
32	VW10C173602	Nylon Washer 1/2" ID x 1 1/4" OD	2
33	VW10C263304	Nylon Washer 13/16" int. x 1-1/16" ext. x 1/8"	1
34	VW60C201320	Nylon Spacer 0.625" Diameter	1
35	VE52A10	Tamper Proof Nut 5/16-18	3



# Without I.V. Pole Option

For Reference Only: OL230279  
Rev. 00



Without I.V. Pole Option (For Reference Only: OL230279G, Rev. 00)

Item	Part No.	Part Name	Qty.
1	QP23-0829	Board Block without I.V. Pole	4
2	VE20A1N	Counternut 1/4-20	4
3	VV83A9G16	Tapping Screw Type B Pan Head Phillips #10 x 1/2" z.p.	8

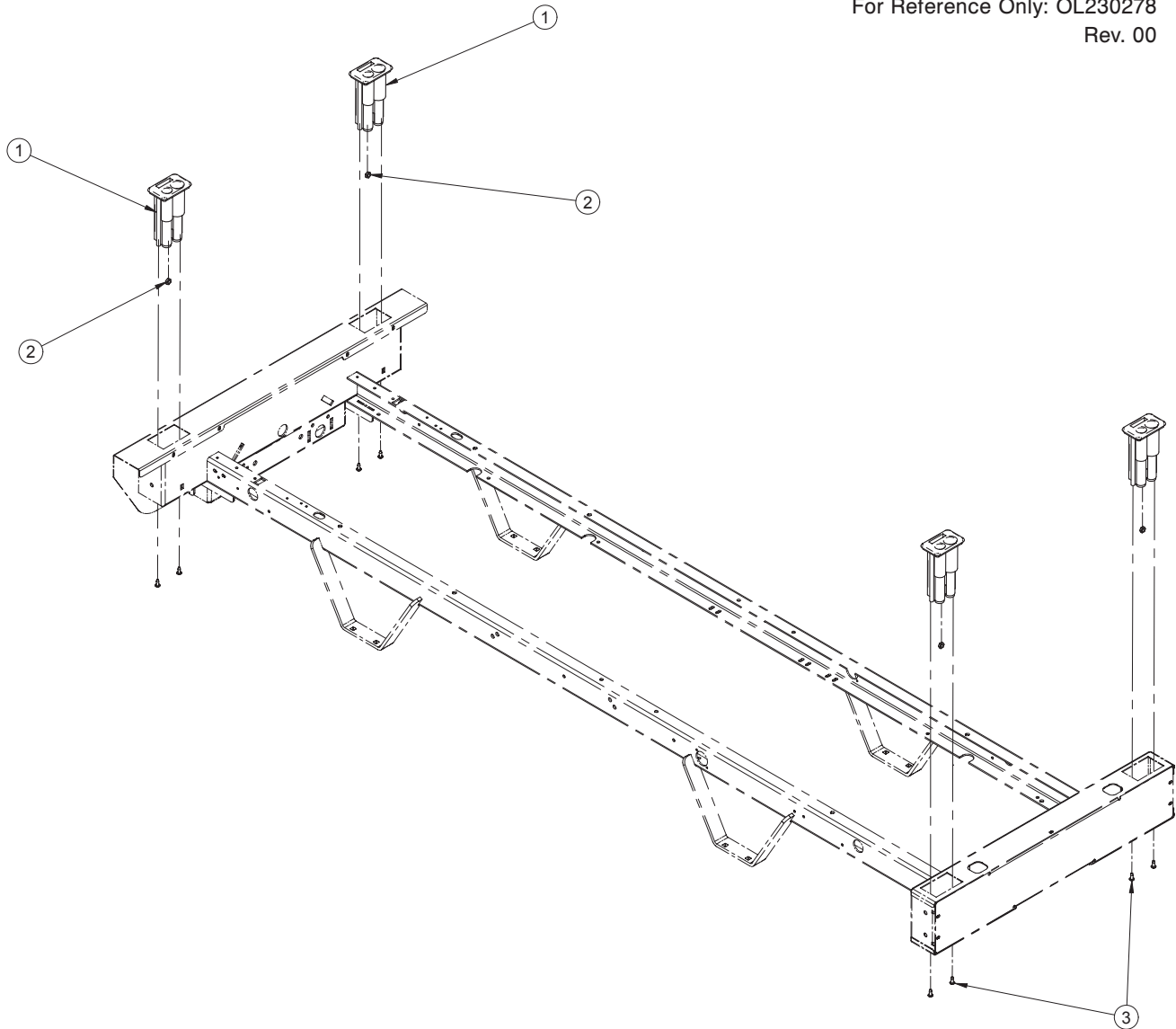
Without I.V. Pole Option (For Reference Only: OL230279G-T, Rev. 00) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	QP23-0829	Board Block without I.V. Pole	4
2	VE20A1N	Counternut 1/4-20	4
3	VVBA0G16	Tapping Screw Type B Pan Head Torx #10 x 1/2" z.p.	8

[Return To Table of Contents](#)

## With I.V. Pole Option

For Reference Only: OL230278  
Rev. 00



### With I.V. Pole Option (For Reference Only: OL230278G, Rev. 00)

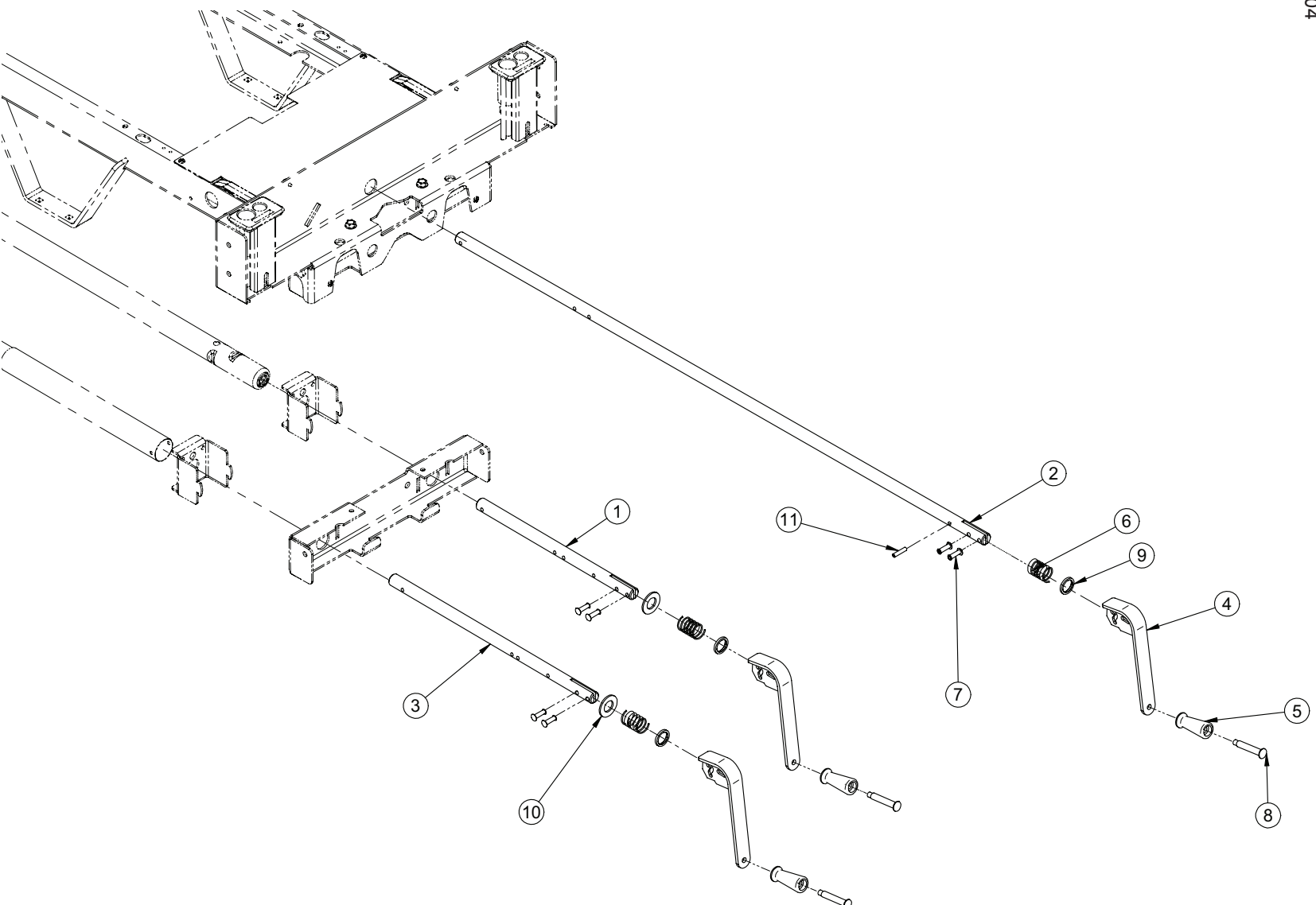
Item	Part No.	Part Name	Qty.
1	QP17-0121-07	I.V. Pole Support	4
2	VE20A1N	Counternut 1/4-20	4
3	VV83A9G16	Tapping Screw Type B Pan Head Phillips #10 x 1/2" z.p.	8

### With I.V. Pole Option (For Reference Only: OL230278G-T, Rev. 00) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	QP17-0121-07	I.V. Pole Support	4
2	VE20A1N	Counternut 1/4-20	4
3	VVB3A9G16	Tapping Screw Type B Pan Head Torx #10 x 1/2" z.p.	8

# Fixed Cranks

For Reference Only: OL230161  
Rev. 04



# Fixed Cranks

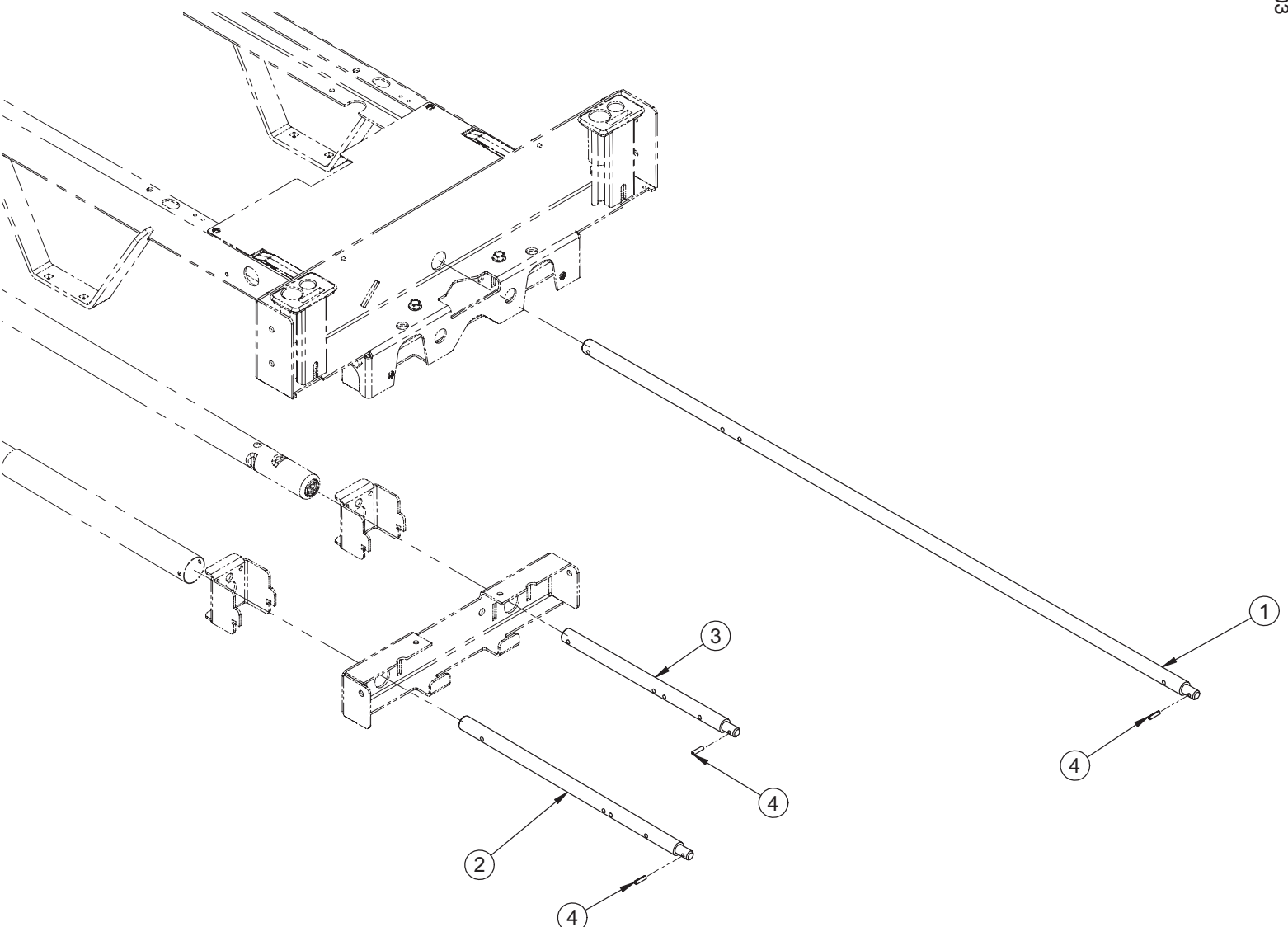
---

## Fixed Cranks (For Reference Only: OL230161, Rev. 03)

Item	Part No.	Part Name	Qty.
1	23-0694Z	Foot Screw Fixed Crank	1
2	23-0373Z	Hi-Lo Mechanism Foot Screw	1
3	23-0455Z	Fowler Screw	1
4	40060C	S.A. Chrome Crank	3
5	QPN-9438	Black Nylon Handle	3
6	QRC18134	Compression Spring 13/16" x 1-7/16" lg x 0.065"	3
7	VR23A0828	Tubular Rivet 1/4" x 7/8" z.p.	6
8	VR43A9439	Shoulder Rivet	3
9	VW10C263304	Nylon Washer 13/16" int. x 1 1/16" ext. x 1/8"	3
10	VW10C392403	Nylon Washer 0.760" x 1.420" x 0.100"	2
11	VG10B0732	Roll Pin 7/32" Diameter x 1" lg	1

# Removable Crank

For Reference Only: OL230162  
Rev. 03



# Removable Crank

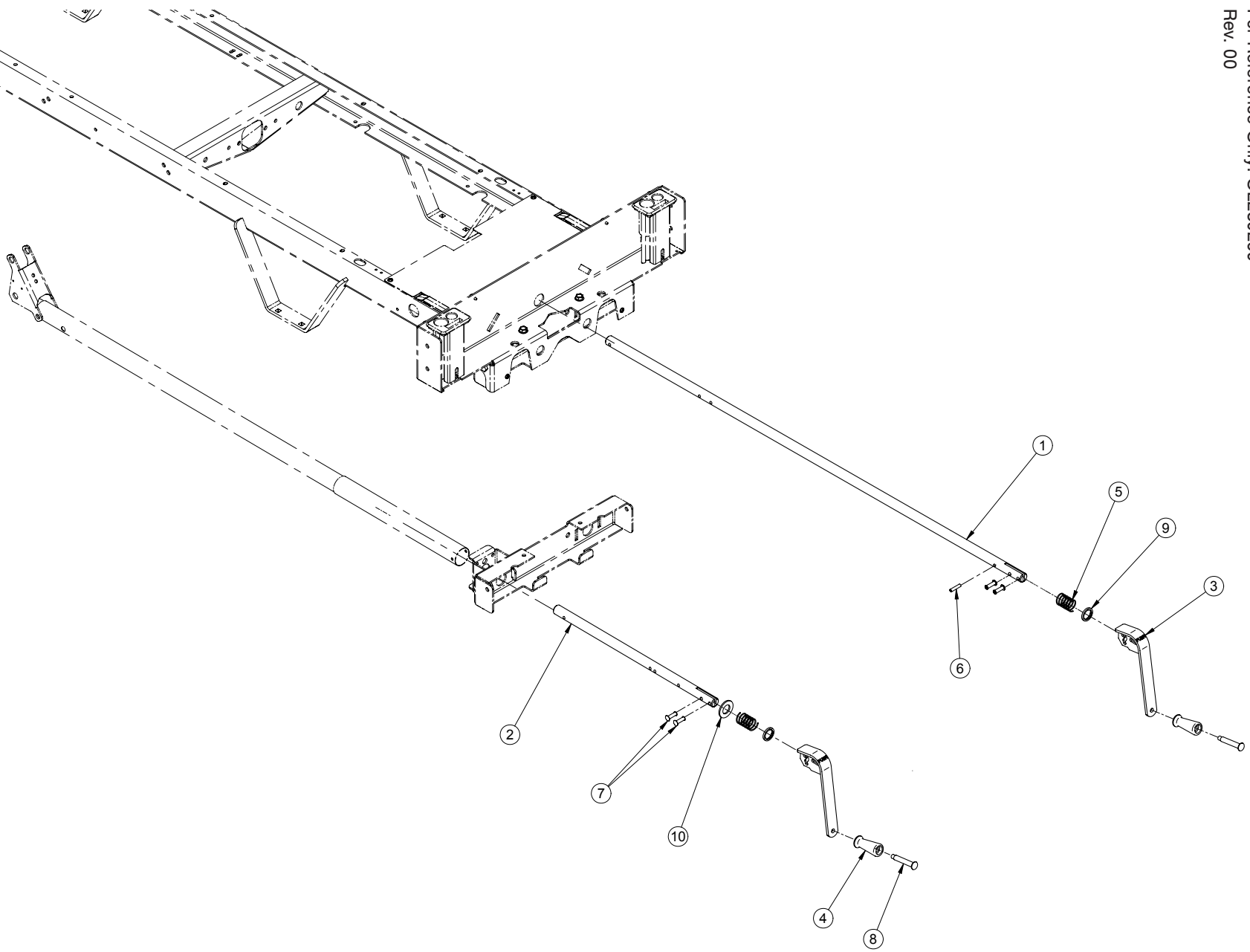
---

## Removable Crank (For Reference Only: OL230162, Rev. 02)

Item	Part No.	Part Name	Qty.
1	23-0457Z	Hi-Lo Mechanism Foot Screw - Removable Crank	1
2	23-0458Z	Fowler Screw - Removable Crank	1
3	23-0459Z	Gatch Screw - Removable Crank	1
4	VG10B0622	Roll Pin 3/16" dia. x 11/16" lg	3

# Fixed Crank without Gatch

For Reference Only: OL230269  
Rev. 00



# Fixed Crank without Gatch

---

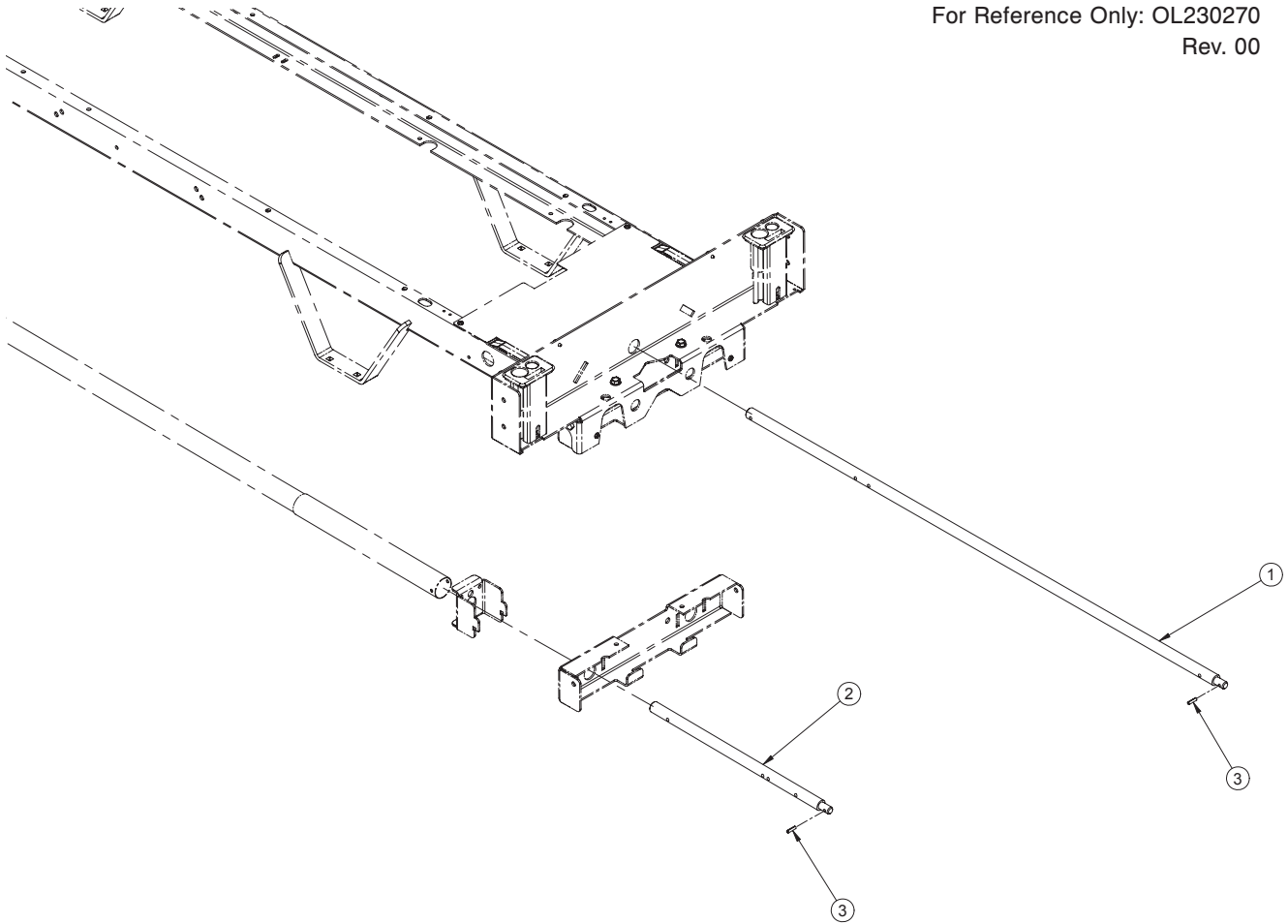
## Removable Crank (For Reference Only: OL230269, Rev. 00)

Item	Part No.	Part Name	Qty.
1	23-0373Z	Foot Center Screw	1
2	23-0455Z	Fowler Screw	1
3	40060C	S.A. Crank	2
4	QPN-9438	Black Nylon Handle	2
5	QRC18134	Crank Spring	2
6	VG10B0732	Roll Pin Dia. 0.219" x 1.00"	1
7	VR23AO828	Tubular Rivet 1/4" x 7/8"	4
8	VR43A9439	Shoulder Rivet	2
9	VW10C263304	Nylon Washer 0.813 x 1.063 x 0.125	2
10	VW10C392403	Nylon Washer 1.420 x 0.760 x 0.1	1



# Removable Crank without Gatch

For Reference Only: OL230270  
Rev. 00



## Removable Crank without Gatch (For Reference Only: OL230270, Rev. 00)

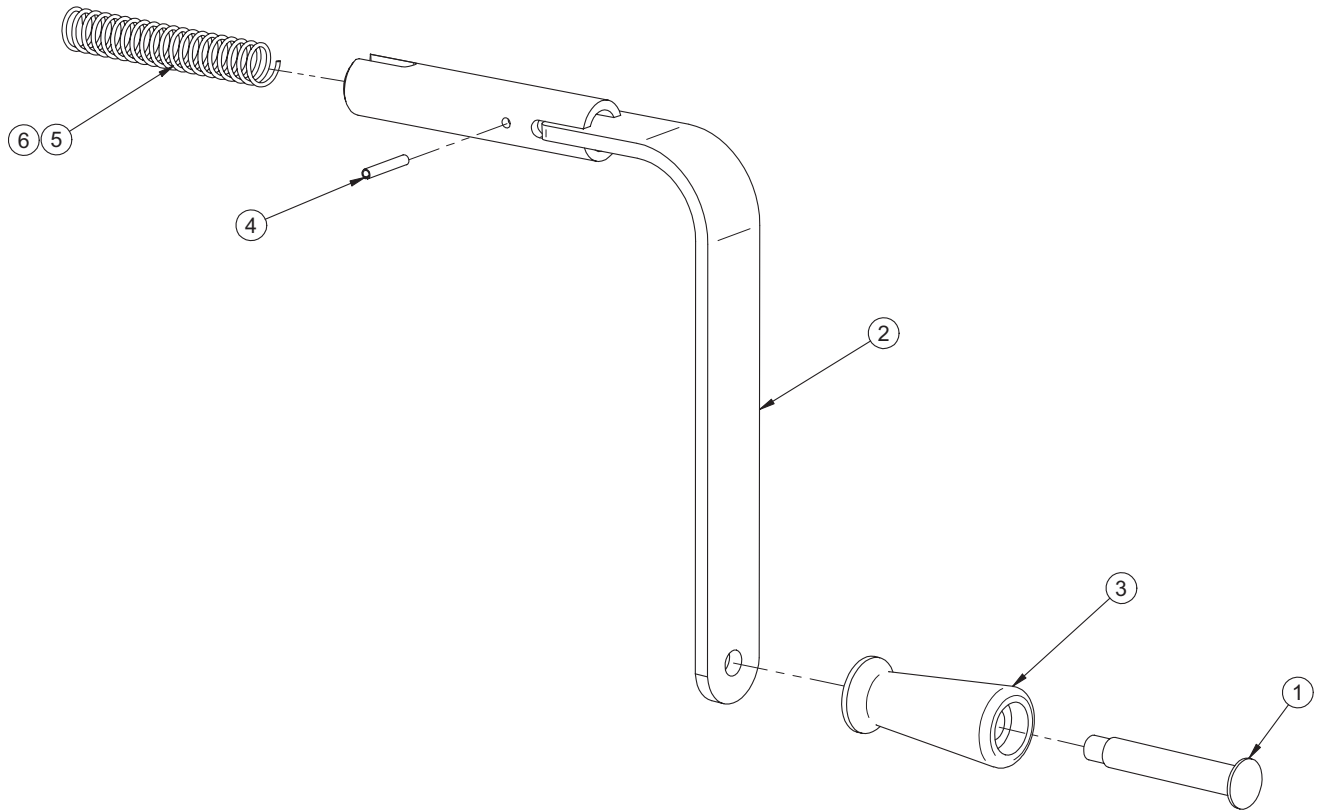
Item	Part No.	Part Name	Qty.
1	23-0457Z	Foot Center Screw - Removable	1
2	23-0458Z	Fowler Screw - Removable	1
3	VG10B0622	Roll Pin 3/16 x 11/16"	2

[Return To Table of Contents](#)

# Crank for Optional Removable Crank

For Reference Only: OL230228

Rev. 00

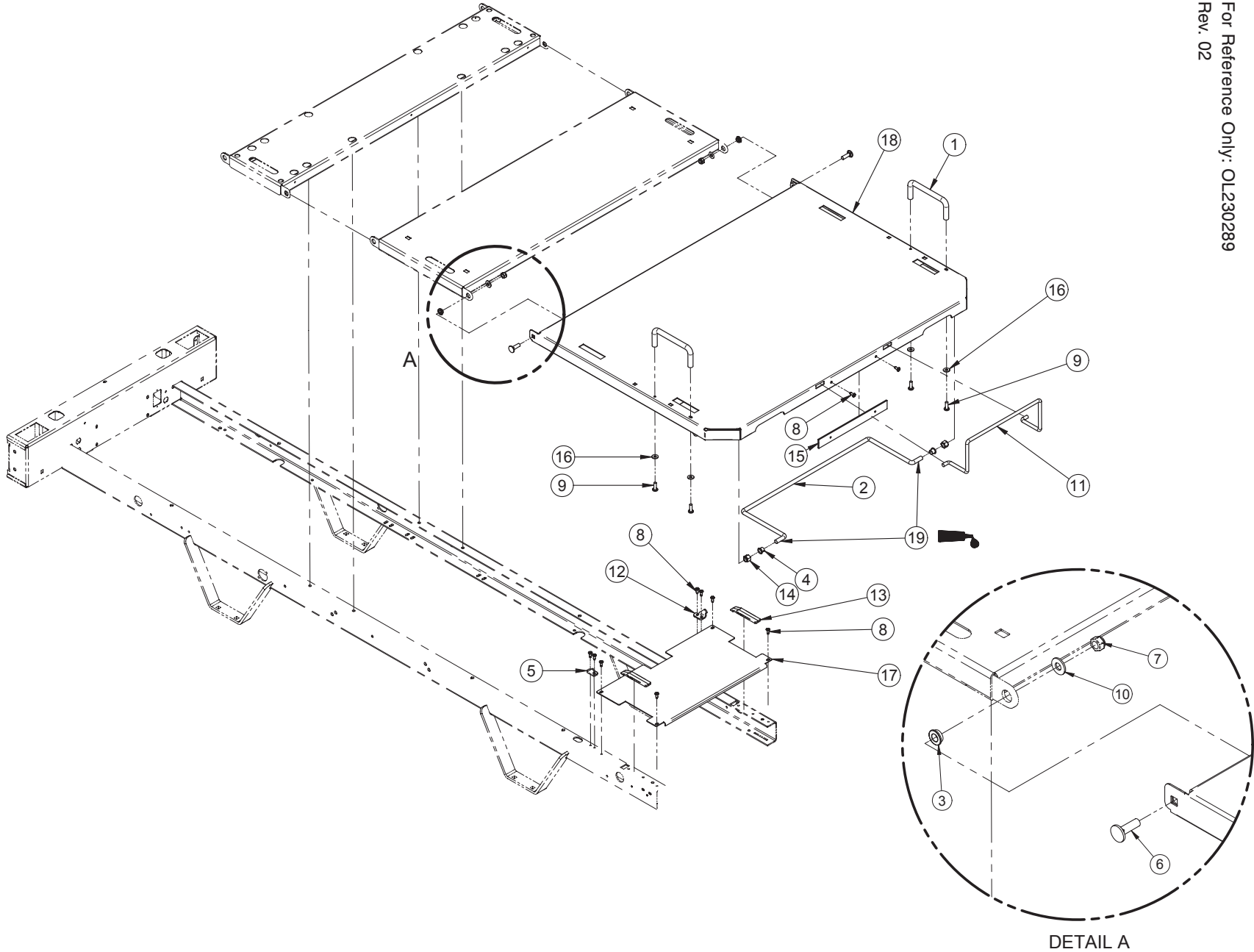


## Crank for Optional Removable Cranks (For Reference Only: OL230228, Rev. 00)

Item	Part No.	Part Name	Qty.
1	VR43A9439	Shoulder Rivet	1
2	16142C	S.A. Chrome Crank	1
3	QPN-9438	Black Nylon Handle	1
4	VG10B0424	Roll Pin 1/8" x 3/4"	1
5	QRC16887	Compression Spring	1
6	M0019	Petro Canada OG2 Grease	0.0300 kg
7	ED2079	JIFFY Air Pocket Envelope	1

# Short Foot Litter with Hooks

For Reference Only: OL230289  
Rev. 02



# Short Foot Litter with Hooks

## Short Foot Litter with Hooks (For Reference Only: OL230289G, Rev. 02)

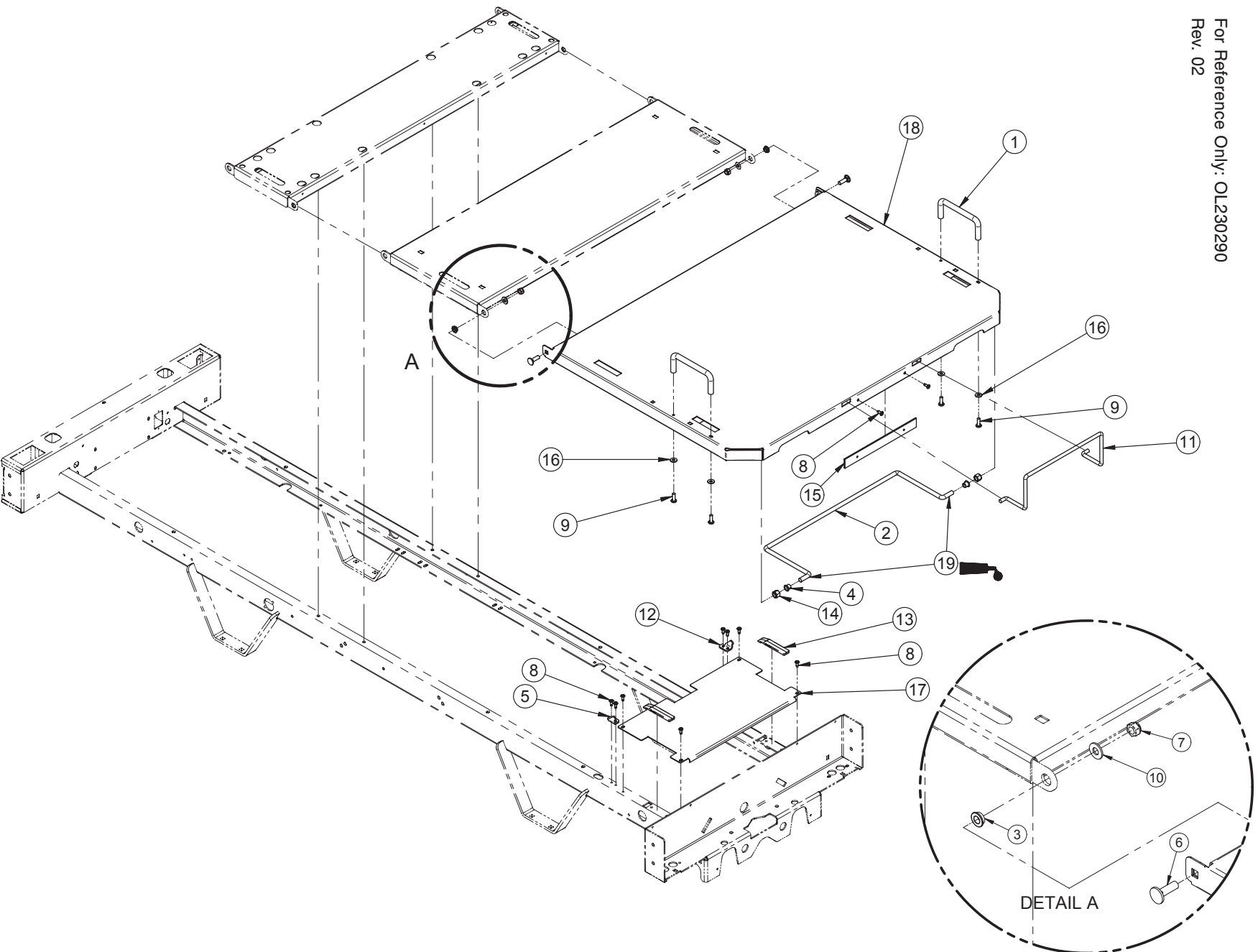
Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	2
2	23-0837G	Threaded Support Rod	1
3	QDF17-0020	Bushing	2
4	QPNI2404	Nylon Shoulder Bushing 3/8" Inside Diameter	2
5	28-0461Z	Right Hook	1
6	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
7	VE30A1O	Nylon Locknut 5/16"-18	2
8	VV83A9G16	Tapping Screw Pan Phillips Type B #10 x 1/2" z.p.	10
9	VV33A1N24-S	Machine Screw Pan Head Phillips 1/4-20 x 3/4" LG Scotch Grip	4
10	VW10A10	Flat Washer 5/16" SAE z.p.	2
11	17-0211G	Foot End Mattress Retainer	1
12	28-0468Z	Left Hook	1
13	QP23-0257	Litter Glider	2
14	VE30A1P	Nylon Locknut 3/8-16	2
15	23-0838G	Foot Mattress Stopper Lock	1
16	VW10A08	Flat Washer 1/4 x 1/16	4
17	23-0167G	Foot Cover Sheet	1
18	23-0705G	S.A. Gatch	1
19	M0008	Threadlocker (Blue)	-

## Short Foot Litter with Hooks (For Reference Only: OL230289G-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	2
2	23-0837G	Threaded Support Rod	1
3	QDF17-0020	Bushing	2
4	QPNI2404	Nylon Shoulder Bushing 3/8" Inside Diameter	2
5	28-0461Z	Right Hook	1
6	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
7	VE30A1O	Nylon Locknut 5/16"-18	2
8	VVB3A9G16	Tapping Screw Pan Torx Type B #10 x 1/2" z.p.	10
9	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" LG Scotch Grip	4
10	VW10A10	Flat Washer 5/16" SAE z.p.	2
11	17-0211G	Foot End Mattress Retainer	1
12	28-0468Z	Left Hook	1
13	QP23-0257	Litter Glider	2
14	VE52A1P	Tamper Proof Nut 3/8-16	2
15	23-0838G	Foot Mattress Stopper Lock	1
16	VW10A08	Flat Washer 1/4 x 1/16	4
17	23-0167G	Foot Cover Sheet	1
18	23-0705G	S.A. Gatch	1
19	M0008	Threadlocker (Blue)	-

# Short Foot Litter without Hooks

For Reference Only: OL230290  
Rev. 02



# Short Foot Litter without Hooks

## Short Foot Litter without Hooks (For Reference Only: OL230290G, Rev. 02)

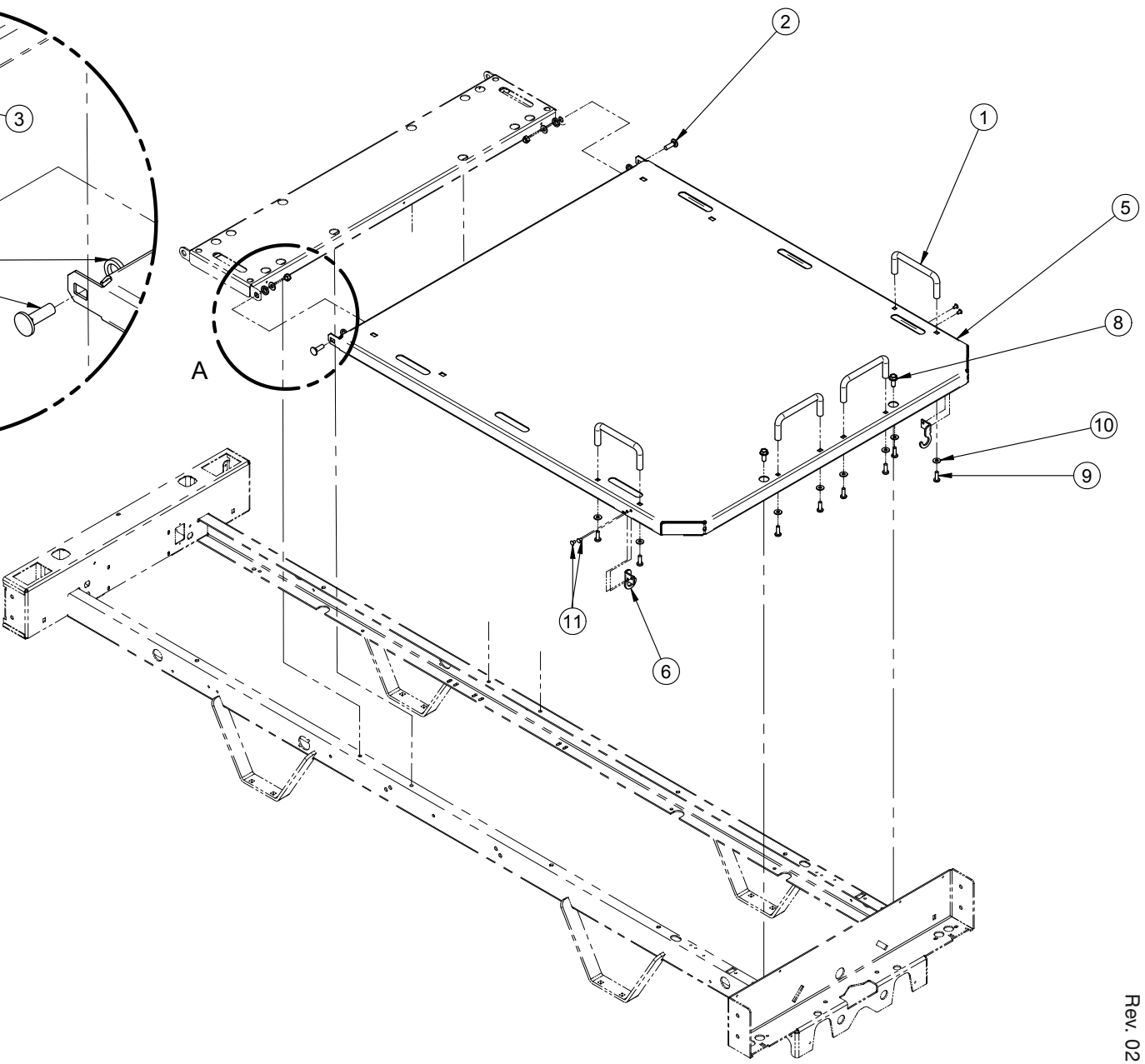
Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	2
2	23-0837G	Threaded Support Rod	1
3	QDF17-0020	Bushing	2
4	QPN12404	Nylon Shoulder Bushing 3/8" Inside Diameter	2
5	28-0461Z	Right Hook	1
6	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
7	VE30A1O	Nylon Locknut 5/16"-18	2
8	VV83A9G16	Tapping Screw Pan Phillips Type B #10 x 1/2" z.p.	10
9	VV33A1N24-S	Machine Screw Pan Head Phillips 1/4-20 x 3/4" LG Scotch Grip	4
10	VW10A10	Flat Washer 5/16" SAE z.p.	2
11	17-0211G	Foot End Mattress Retainer	1
12	28-0468Z	Left Hook	1
13	QP23-0257	Litter Glider	2
14	VE30A1P	Nylon Locknut 3/8-16	2
15	23-0838G	Foot Mattress Stopper Lock	1
16	VW10A08	Flat Washer 1/4 x 1/16	4
17	23-0167G	Foot Cover Sheet	1
18	23-0845G	S.A. Gatch without Hooks	1
19	M0008	Threadlocker (Blue)	-

## Short Foot Litter without Hooks (For Reference Only: OL230290G-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	2
2	23-0837G	Threaded Support Rod	1
3	QDF17-0020	Bushing	2
4	QPN12404	Nylon Shoulder Bushing 3/8" Inside Diameter	2
5	28-0461Z	Right Hook	1
6	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
7	VE30A1O	Nylon Locknut 5/16"-18	2
8	VVB3A9G16	Tapping Screw Pan Torx Type B #10 x 1/2" z.p.	10
9	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" LG Scotch Grip	4
10	VW10A10	Flat Washer 5/16" SAE z.p.	2
11	17-0211G	Foot End Mattress Retainer	1
12	28-0468Z	Left Hook	1
13	QP23-0257	Litter Glider	2
14	VE52A1P	Tamper Proof Nut 3/8-16	2
15	23-0838G	Foot Mattress Stopper Lock	1
16	VW10A08	Flat Washer 1/4 x 1/16	4
17	23-0167G	Foot Cover Sheet	1
18	23-0845G	S.A. Gatch without Hooks	1
19	M0008	Threadlocker (Blue)	-

# Long Foot Litter with Hooks

For Reference Only: OL230291  
Rev. 02



# Long Foot Litter with Hooks

## Long Foot Litter with Hooks (For Reference Only: OL230291G, Rev. 02)

Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	4
2	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
3	VE30A1O	Nylon Locknut 5/16"-18	2
4	VW10A10	Flat Washer 5/16" SAE z.p.	2
5	23-0828G	S.A. Fixed Litter	1
6	23-0847G	Hook	2
8	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	2
9	VV33A1N24-S	Machine Screw Pan Head Phillips 1/4-20 x 3/4" LG Scotch Grip	8
10	VW10A08	Flat Washer 1/4 x 1/16	8
11	VR11H64	POP Rivet 3-16 lg 0.310 Dome Head	4
12	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi	4

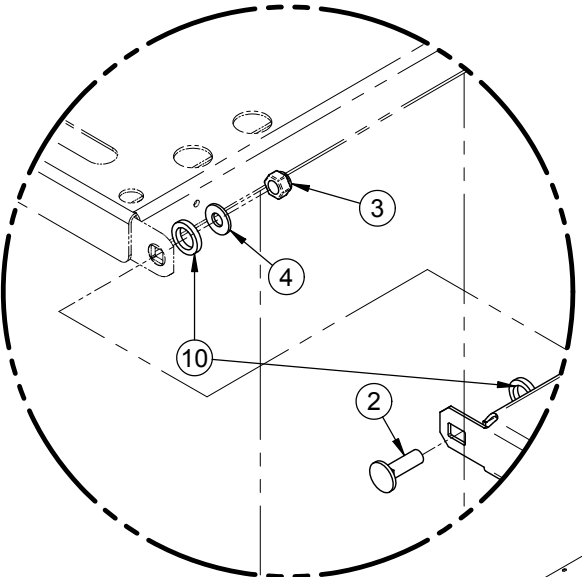
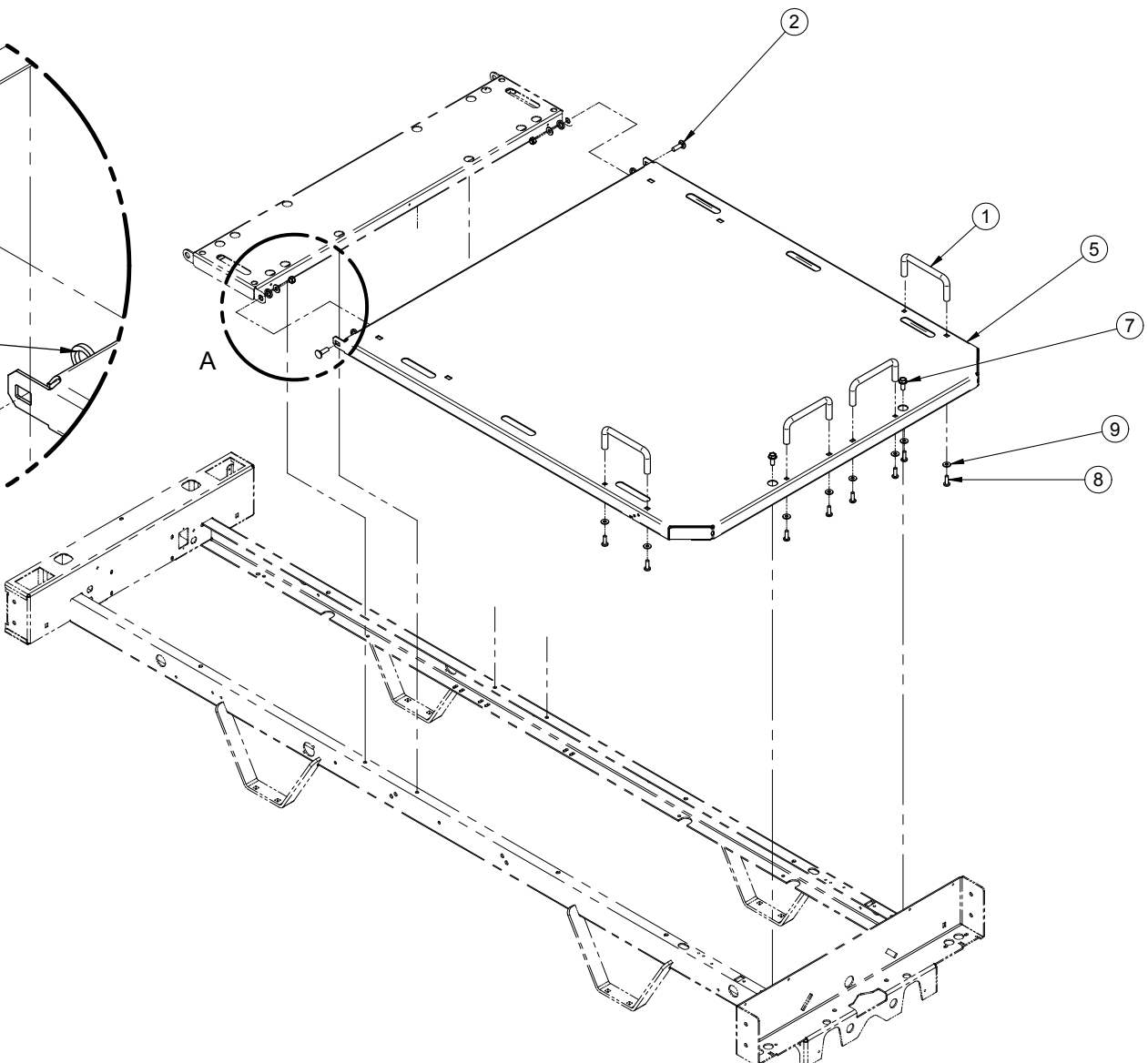
## Long Foot Litter with Hooks (For Reference Only: OL230291G-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	4
2	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
3	VE30A1O	Nylon Locknut 5/16"-18	2
4	VW10A10	Flat Washer 5/16" SAE z.p.	2
5	23-0828G	S.A. Fixed Litter	1
6	23-0847G	Hook	2
8	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	2
9	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" LG Scotch Grip	8
10	VW10A08	Flat Washer 1/4 x 1/16	8
11	VR11H64	POP Rivet 3-16 lg 0.310 Dome Head	4
12	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi	4



# Long Foot Litter without Hooks

For Reference Only: OL230292  
Rev. 02



DETAIL A

# Long Foot Litter without Hooks

---

## Long Foot Litter without Hooks (For Reference Only: OL230292G, Rev. 02)

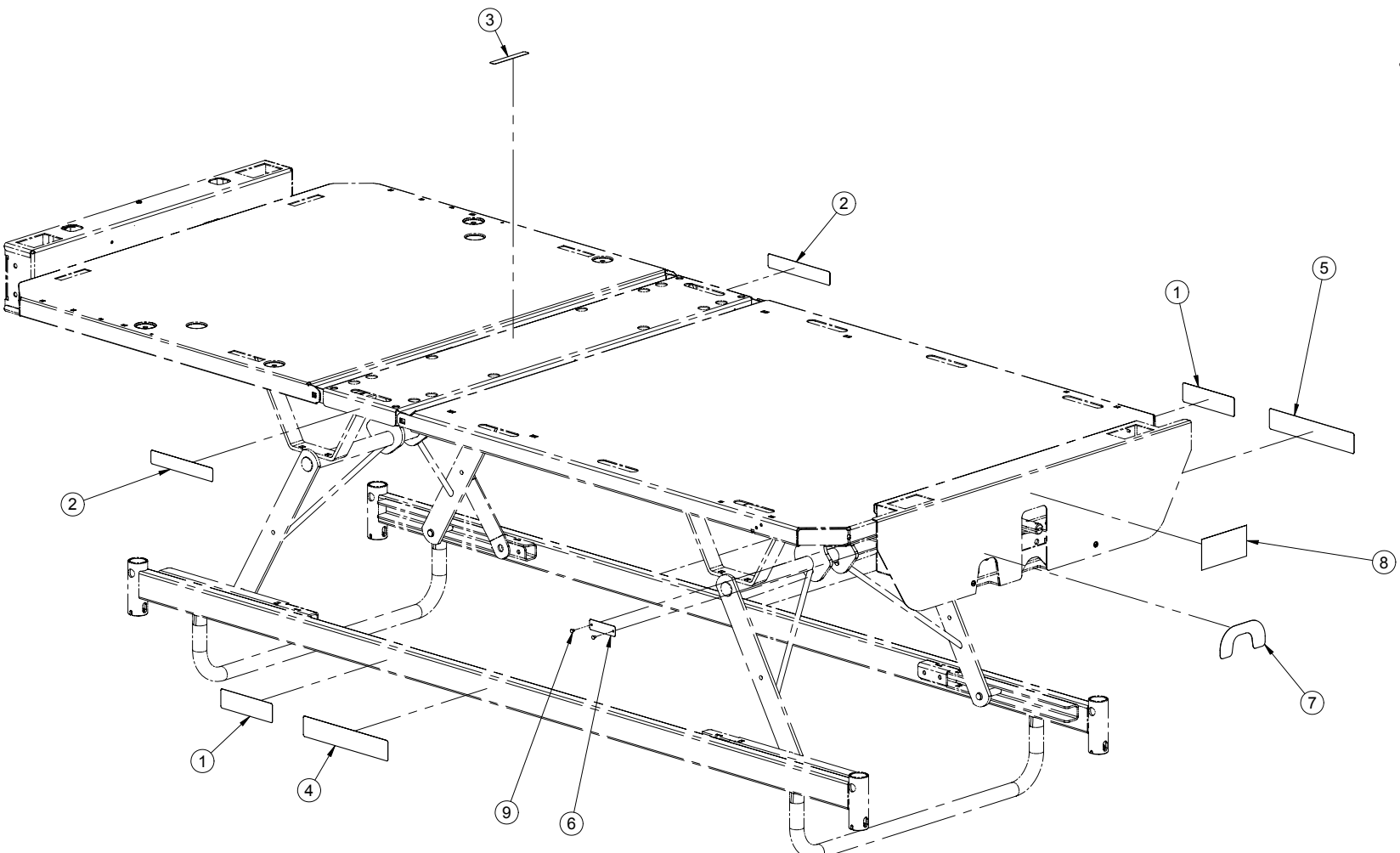
Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	4
2	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
3	VE30A1O	Nylon Locknut 5/16"-18	2
4	VW10A10	Flat Washer 5/16" SAE z.p.	2
5	23-0828G	S.A. Fixed Litter	1
7	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	2
8	VV33A1N24-S	Machine Screw Pan Head Phillips 1/4-20 x 3/4" LG Scotch Grip	8
9	VW10A08	Flat Washer 1/4 x 1/16	8
10	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi	4

## Long Foot Litter without Hooks (For Reference Only: OL230292G-T, Rev. 02) (Tamper Proof Option)

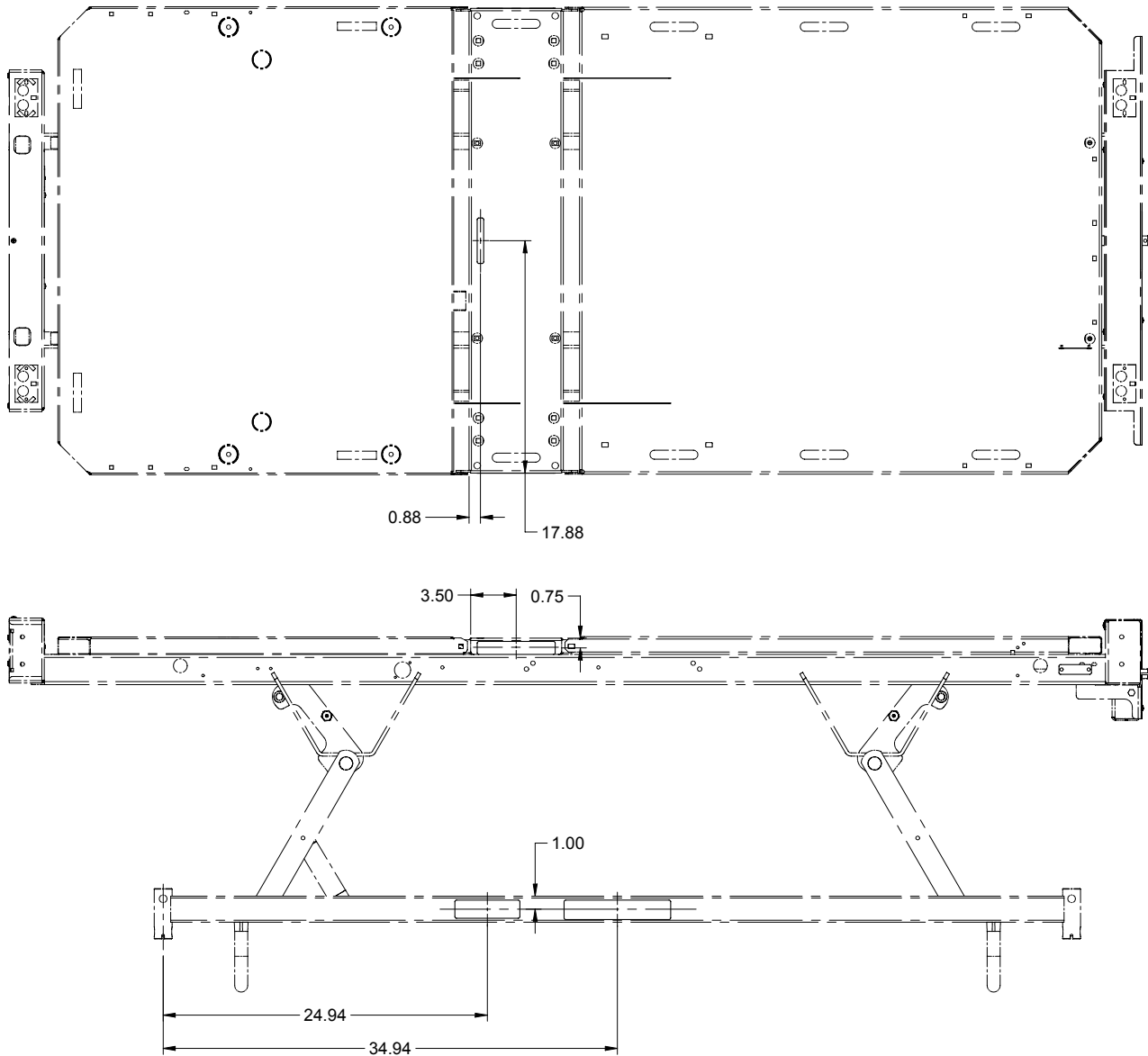
Item	Part No.	Part Name	Qty.
1	QDF23-0831C	Mattress Stopper	4
2	VB35A1O32	Carriage Bolt (Short Neck) 5/16-18-1 z.p. Grade 5	2
3	VE30A1O	Nylon Locknut 5/16"-18	2
4	VW10A10	Flat Washer 5/16" SAE z.p.	2
5	23-0828G	S.A. Fixed Litter	1
7	VVB4A1024	Bolt 5/16-18 x 3/4 Self Tapping	2
8	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" LG Scotch Grip	8
9	VW10A08	Flat Washer 1/4 x 1/16	8
10	VW10C162404	Nylon Washer 0.505" ins. x 3/4" out. x 1/8" wi	4

# Stickers English Only

For Reference Only: OL230295  
Rev. 00



# Stickers English Only

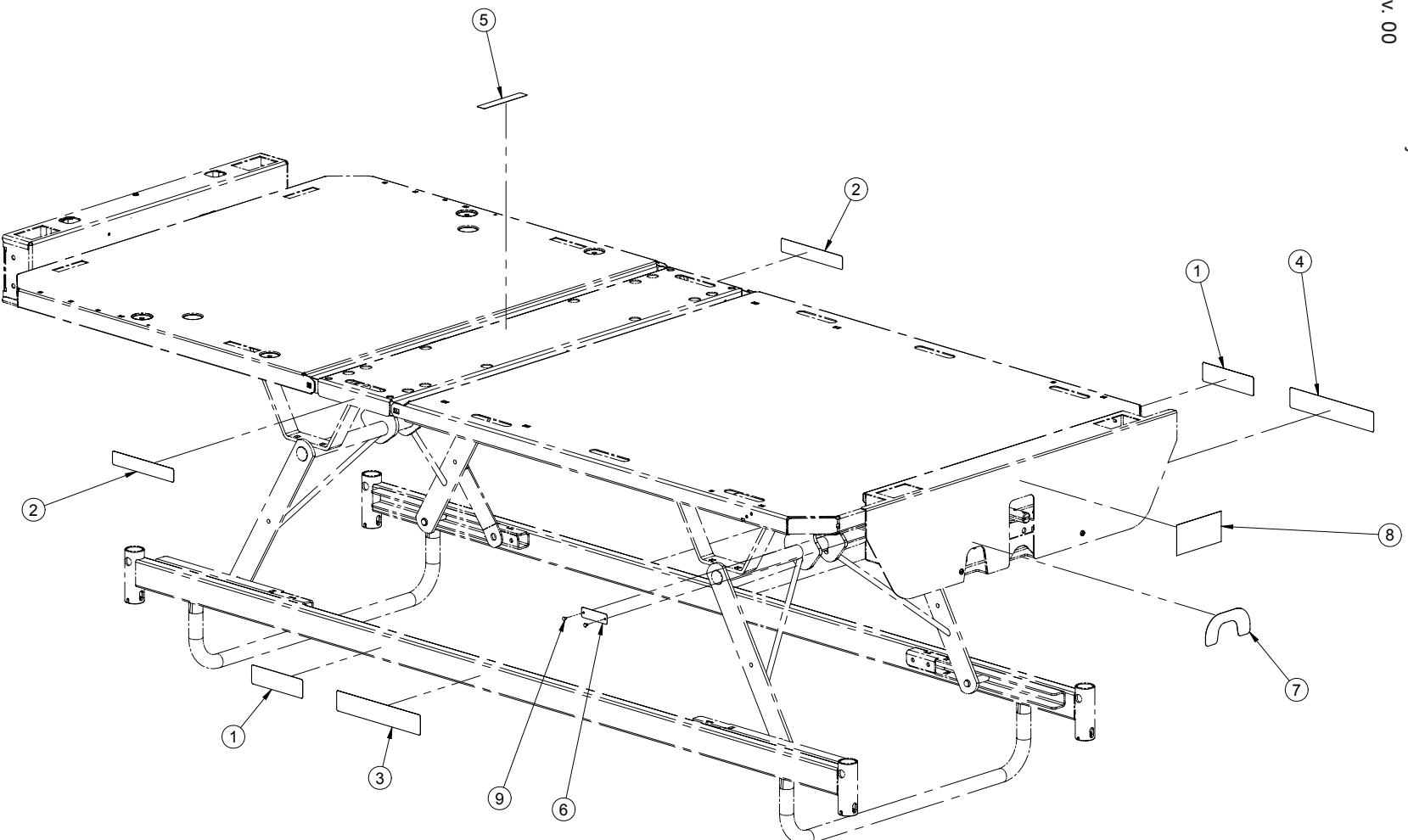


## Stickers English Only (For Reference Only: OL230295, Rev. 00)

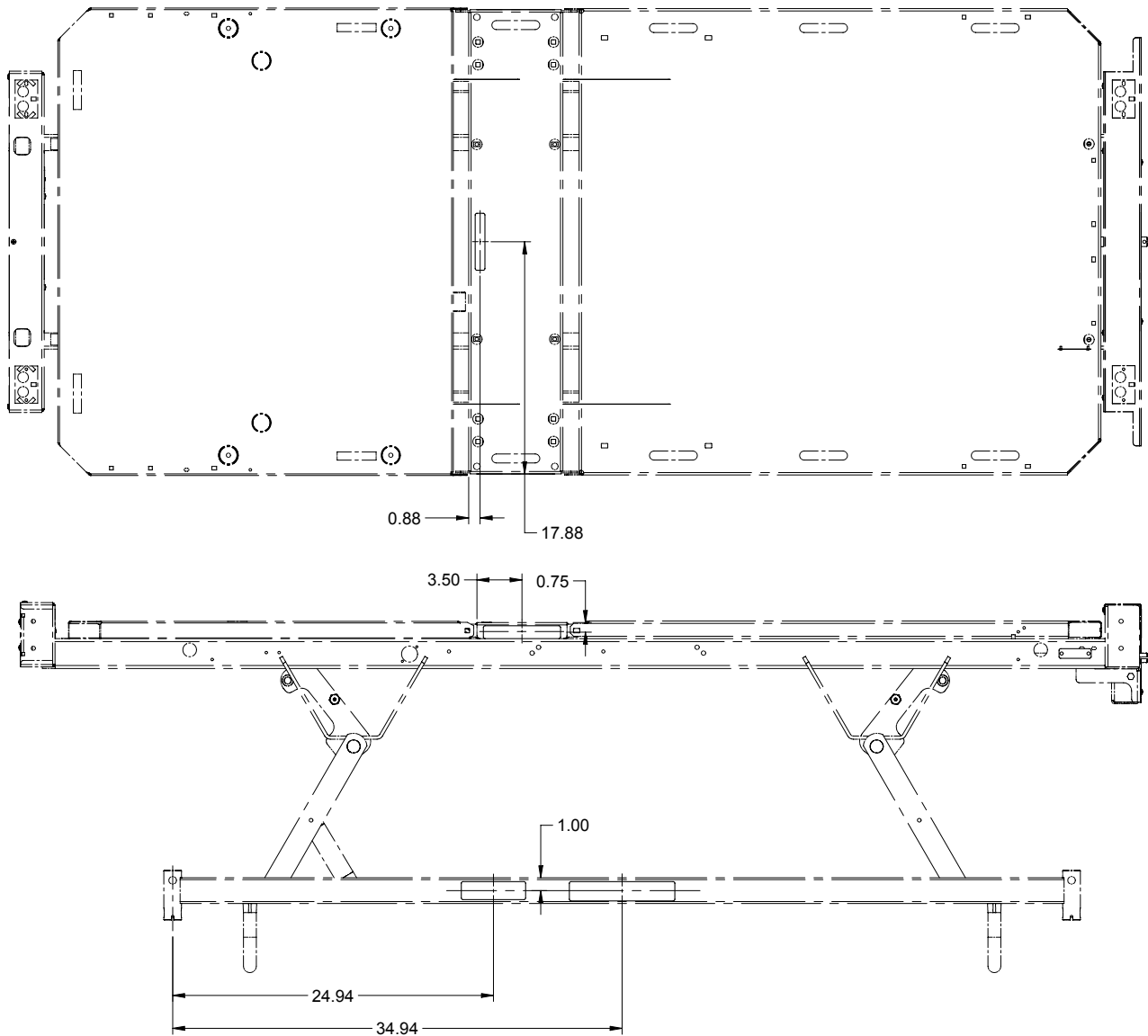
Item	Part No.	Part Name	Qty.
1	QE71-0346	Sticker - STRYKER	2
2	QE71-0547	Sticker - Maximum Load	2
3	QE71-0709-E	Sticker - Mattress Maximum Width	1
4	QE71-0721-E	Sticker - Right Pedal Positions	1
5	QE71-0722-E	Sticker - Left Pedal Positions	1
6	QE71-1241	Sticker - Fowler Movement	1
7	QE71-1243	Sticker - Bed Vertical Movement	1
8	QE71-1245-T	Serial Number Plate	1
9	VR11H43	"POP" Rivet Dia. 1-8 lg 0.220 Dome Head	2

# Stickers English/Spanish

For Reference Only: OL230294  
Rev. 00



# Stickers English/Spanish

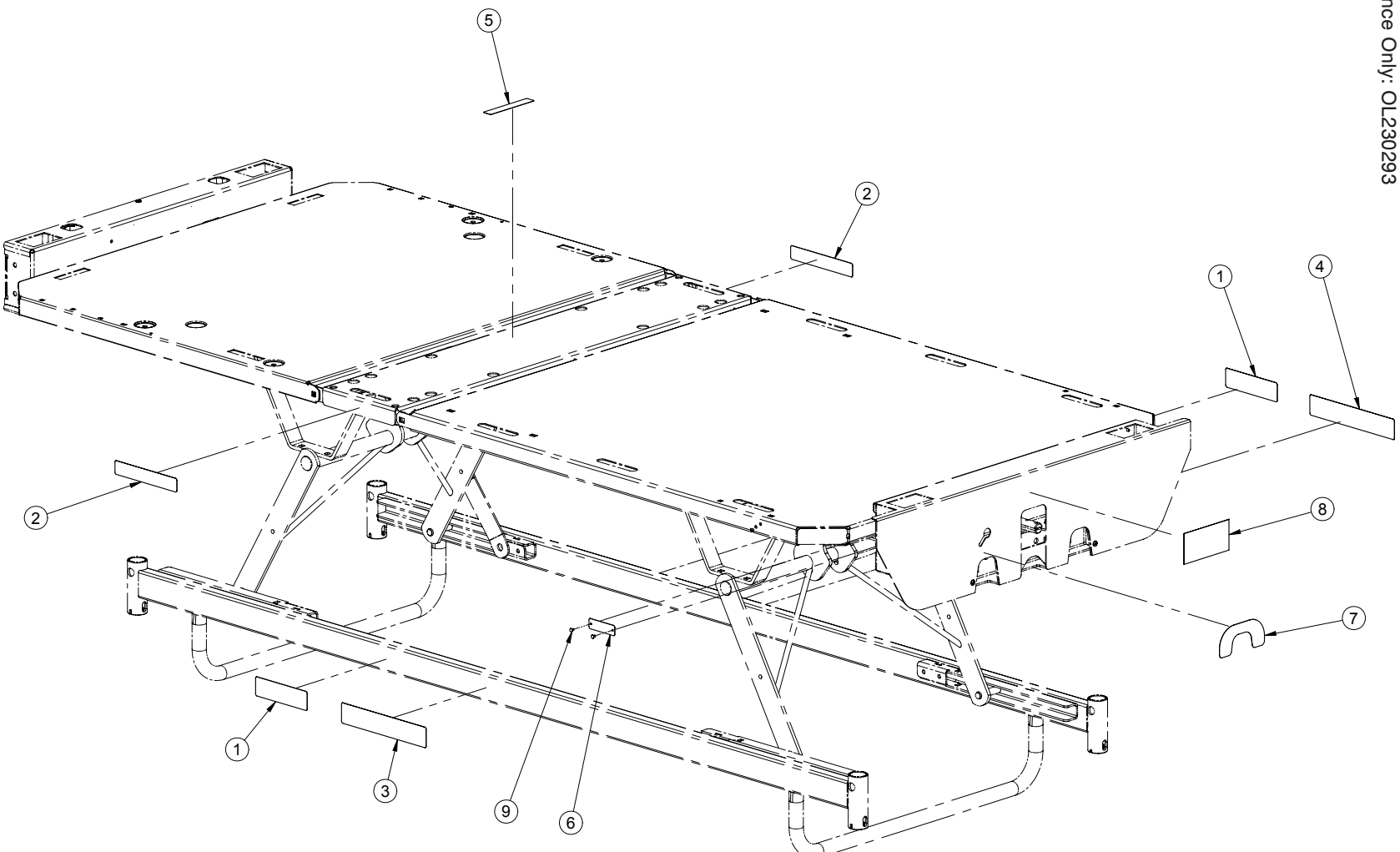


## Stickers English/Spanish (For Reference Only: OL230294, Rev. 00)

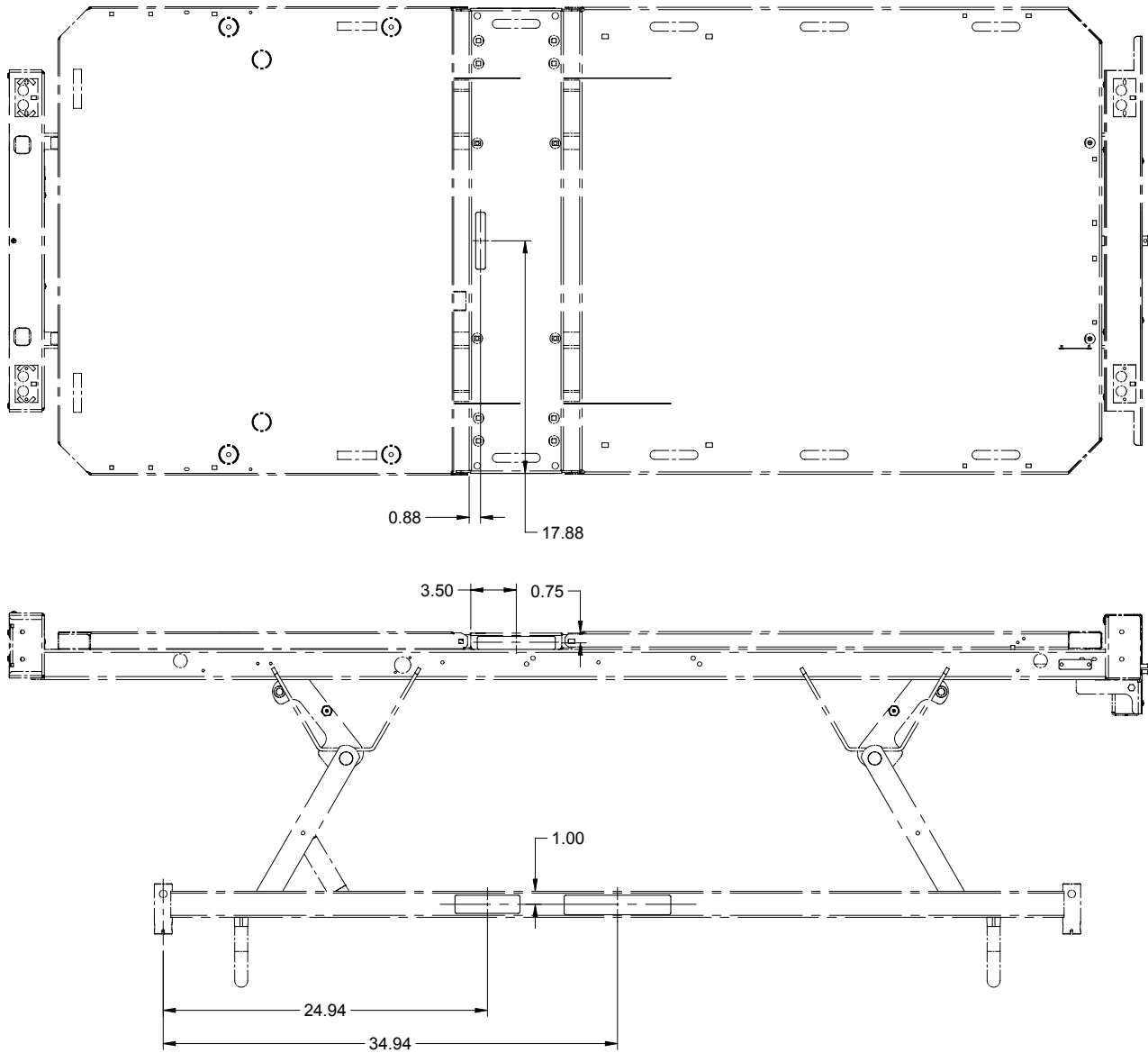
Item	Part No.	Part Name	Qty.
1	QE71-0346	Sticker - STRYKER	2
2	QE71-0547	Sticker - Maximum Load	2
3	QE71-0739-T	Sticker - Right Pedal Positions	1
4	QE71-0740-T	Sticker - Left Pedal Positions	1
5	QE71-0741-T	Sticker - Mattress Maximum Width	1
6	QE71-1241	Sticker - Fowler Movement	1
7	QE71-1243	Sticker - Bed Vertical Movement	1
8	QE71-1245-T	Serial Number Plate	1
9	VR11H43	"POP" Rivet Dia. 1-8 lg 0.220 Dome Head	2

## Stickers French/English

For Reference Only: OL230293  
Rev. 00



# Stickers French/English



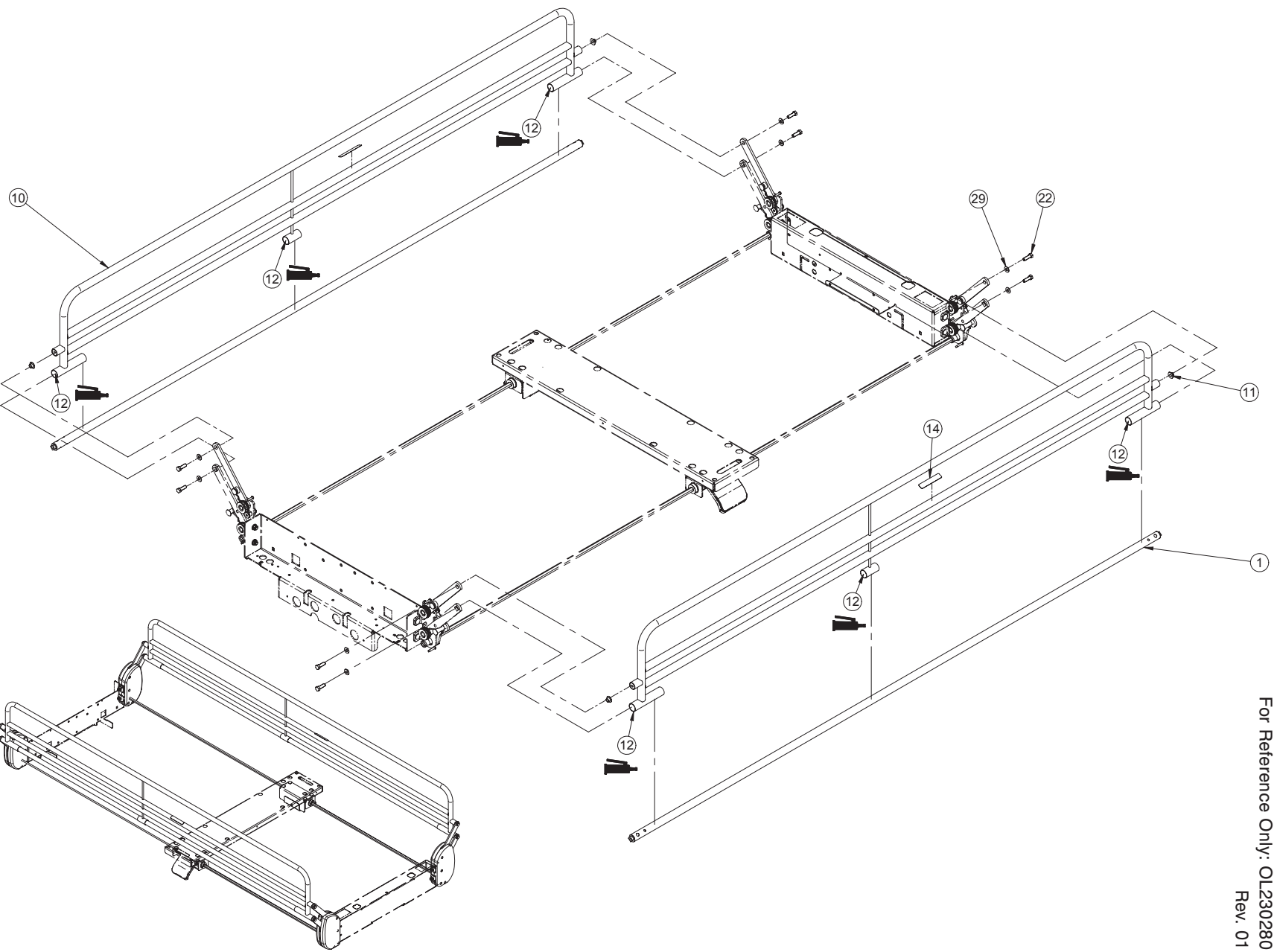
**Stickers French/English (For Reference Only: OL230293, Rev. 00)**

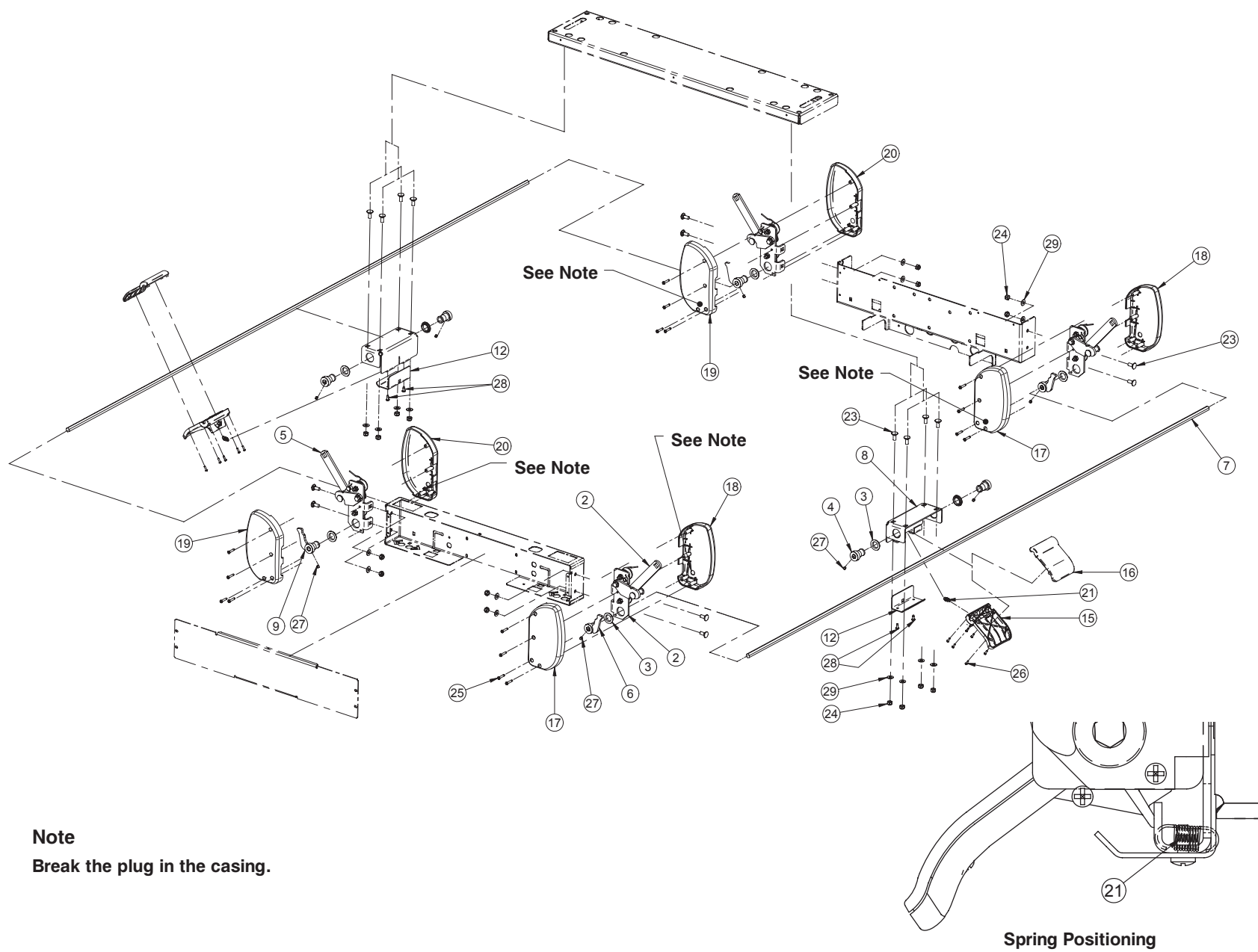
Item	Part No.	Part Name	Qty.
1	QE71-0346	Sticker - STRYKER	2
2	QE71-0547	Sticker - Maximum Load	2
3	QE71-0739-T	Sticker - Right Pedal Positions	1
4	QE71-0740-T	Sticker - Left Pedal Positions	1
5	QE71-0741-T	Sticker - Mattress Maximum Width	1
6	QE71-1241	Sticker - Fowler Movement	1
7	QE71-1243	Sticker - Bed Vertical Movement	1
8	QE71-1245-T	Serial Number Plate	1
9	VR11H43	"POP" Rivet Dia. 1-8 lg 0.220 Dome Head	2



## Full-Length Retractable Siderail without Controls

For Reference Only: OL230280  
Rev. 01





# Full-Length Retractable Siderail without Controls

Full-Length Retractable Siderail without Controls (For Reference Only: OL230280CG, Rev. 01)

Item	Part No.	Part Name	Qty.
1	23-0492C	S.A. Painted Pivot Tube	2
2	23-0535	S.A. Right Siderail Mechanism	2
3	23-0541	Bushing	8
4	23-0547Z	Lock Bushing	4
5	23-0548	S.A. Left Siderail Mechanism	2
6	23-0549Z	S.A. Right Release Finger	2
7	23-0550Z	Release Rod - Head	2
8	23-0551G	Release Handle Bracket	2
9	23-0555Z	S.A. Left Release Finger	2
10	23-0654C	S.A. Full-Length Painted Siderail without Controls	2
11	23-0658	Spacer	4
12	23-0848G	Spring Protector	2
13	M0019	Petro Canada OG2 Grease	0.0300 kg
14	QE71-1175-T	Sticker - Handle Here	2
15	QP23-0556-08	Release Handle - Upper Part	2
16	QP23-0557-08	Release Handle - Lower Part	2
17	QP23-0623-07	Head Right Siderail Mechanism Outer Cover	2
18	QP23-0624-07	Foot Right Siderail Mechanism Outer Cover	2
19	QP23-0625-07	Head Left Siderail Mechanism Outer Cover	2
20	QP23-0626-07	Foot Left Siderail Mechanism Outer Cover	2
21	QRE23-0561	Release Handle Extension Spring	2
22	VB15A1O32-S	Hexagon Bolt 5/16-18 x 1" Grade 5 z.p.	8
23	VB35A1O24	Carriage Bolt (Short Neck) 5/16-18 x 3/4" Grade 5 z.p.	16
24	VE30A1O	Nylon Hexagon Locknut 5/16-18 z.p.	16
25	VV23A1G32HL	Tapping Screw Pan Phillips Type High-Low #10 x 1" z.p.	16
26	VV23A9C16HL	Tapping Screw High-Low Pan Head Phillips Type B #6 x 1/2	12
27	VV61A0M08	Nylon Tipped Hexagon Socket Set Screw 1/4-28 x 1/4"	8
28	VV83A9G16	Tapping Screw Type B Pan Head Phillips #10 x 1/2" z.p.	4
29	VW10A10	Flat Washer 5/16" SAE z.p.	24

[Return To Table of Contents](#)

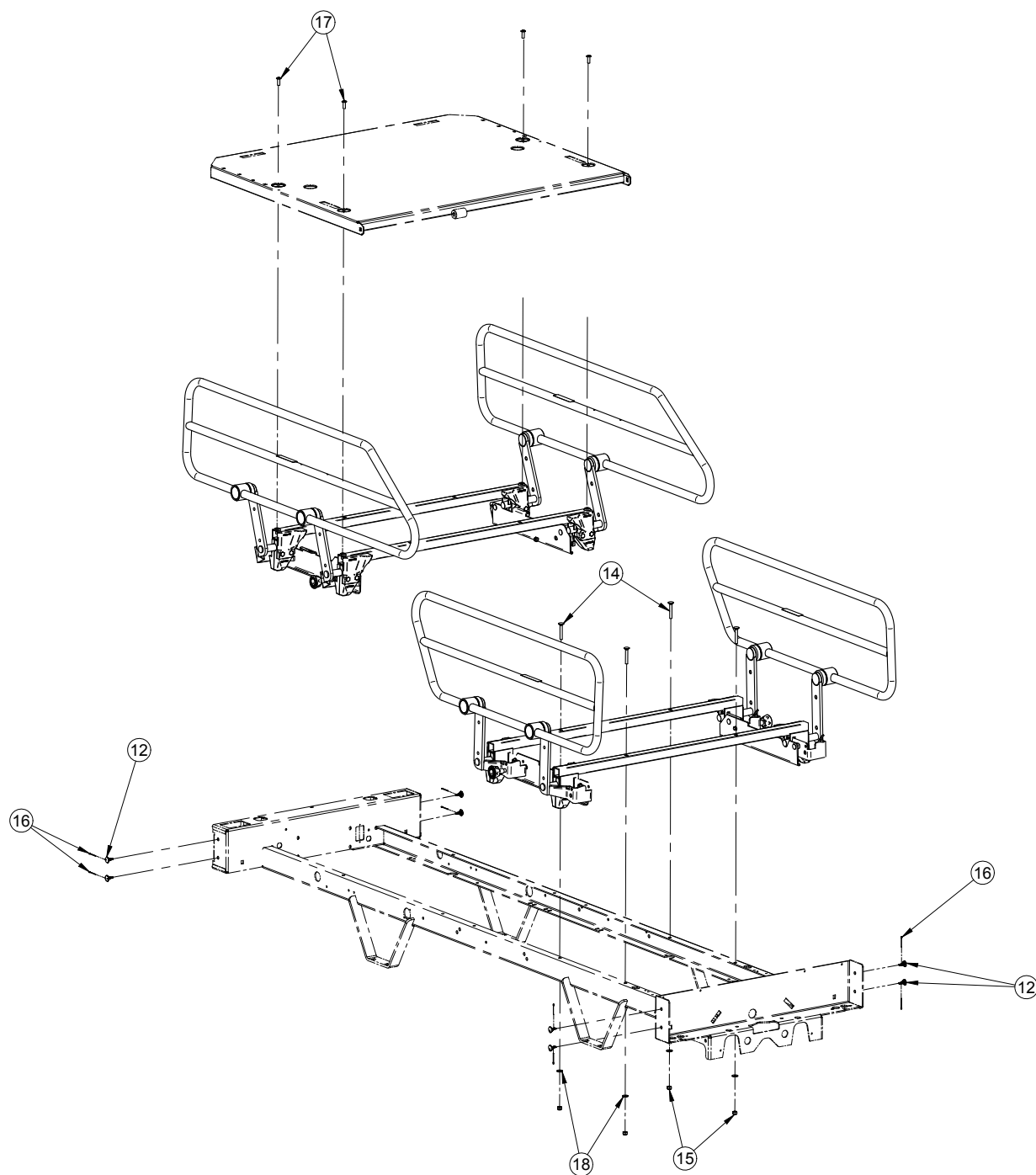
# Full-Length Retractable Siderail without Controls

## Full-Length Retractable Siderail without Controls (For Reference Only: OL230280CG-T, Rev. 01) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	23-0492C	S.A. Painted Pivot Tube	2
2	23-0535	S.A. Right Siderail Mechanism	2
3	23-0541	Bushing	8
4	23-0547Z	Lock Bushing	4
5	23-0548	S.A. Left Siderail Mechanism	2
6	23-0549Z	S.A. Right Release Finger	2
7	23-0550Z	Release Rod - Head	2
8	23-0551G	Release Handle Bracket	2
9	23-0555Z	S.A. Left Release Finger	2
10	23-0654C	S.A. Full-Length Painted Siderail without Controls	2
11	23-0658	Spacer	4
12	23-0848G	Spring Protector	2
13	M0019	Petro Canada OG2 Grease	0.0300 kg
14	QE71-1175-T	Sticker - Handle Here	2
15	QP23-0556-08	Release Handle - Upper Part	2
16	QP23-0557-08	Release Handle - Lower Part	2
17	QP23-0623-07	Head Right Siderail Mechanism Outer Cover	2
18	QP23-0624-07	Foot Right Siderail Mechanism Outer Cover	2
19	QP23-0625-07	Head Left Siderail Mechanism Outer Cover	2
20	QP23-0626-07	Foot Left Siderail Mechanism Outer Cover	2
21	QRE23-0561	Release Handle Extension Spring	2
22	VVB3A1O32-S	Machine Screw Pan Head Torx 5/16-18 x 1" Grade 5 z.p.	8
23	VB35A1O24	Carriage Bolt (Short Neck) 5/16-18 x 3/4" Grade 5 z.p.	16
24	VE30A1O	Nylon Hexagon Locknut 5/16-18 z.p.	16
25	VV23A1G32HL	Tapping Screw Pan Phillips Type High-Low #10 x 1" z.p.	16
26	VVB3A9C16HL	Tapping Screw High-Low Pan Head Torx Type B #6 x 1/2	12
27	VV61A0M08	Nylon Tipped Hexagon Socket Set Screw 1/4-28 x 1/4"	8
28	VVB3A9G16	Tapping Screw Type B Pan Head Torx #10 x 1/2" z.p.	4
29	VW10A10	Flat Washer 5/16" SAE z.p.	24

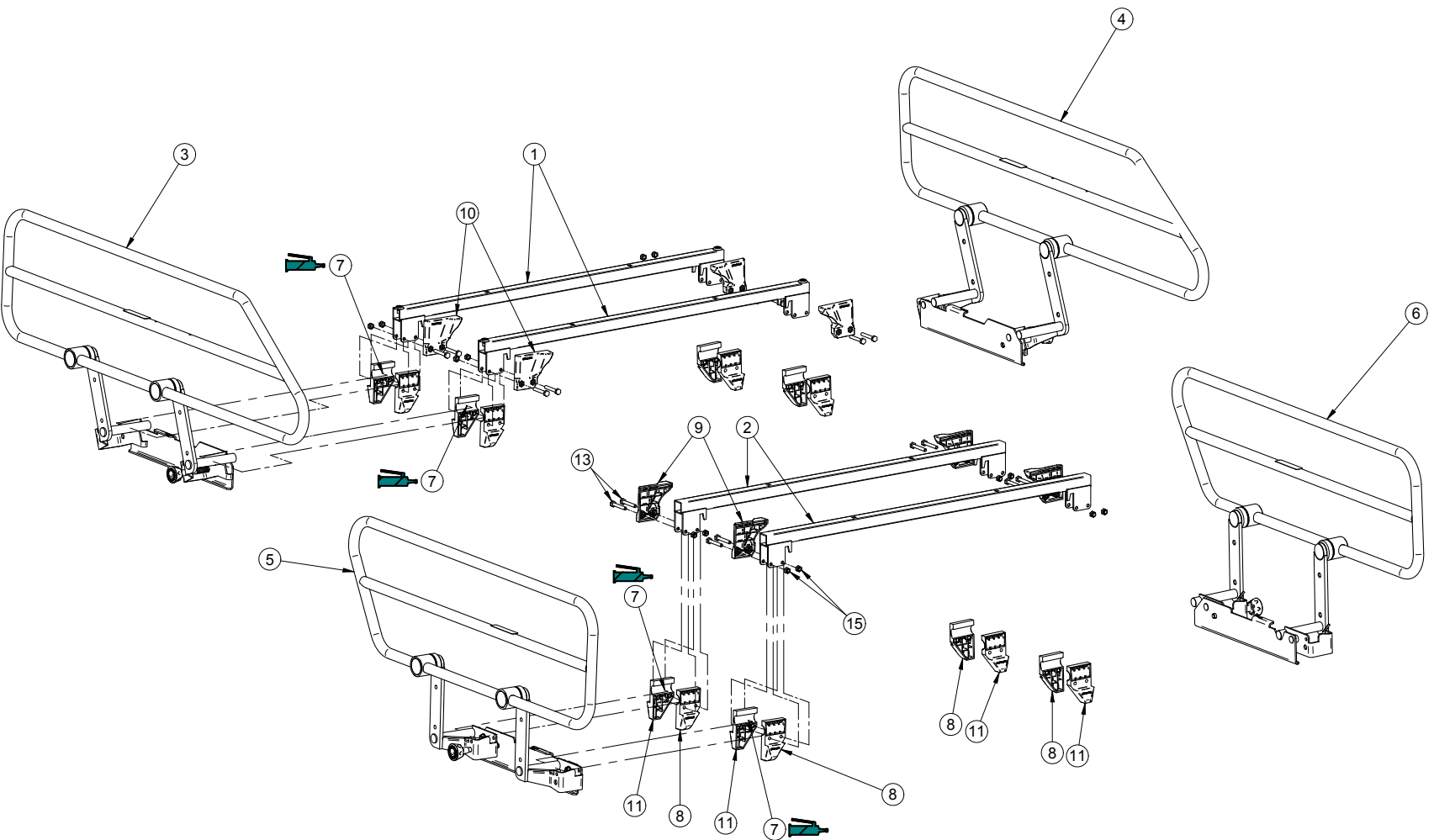
# Half-Length Retractable Siderail

For Reference Only: OL230259  
Rev. 01



[Return To Table of Contents](#)

# Half-Length Retractable Siderail



# Half-Length Retractable Siderail

## Half-Length Retractable Siderail (For Reference Only: OL230259CG, Rev. 01)

Item	Part No.	Part Name	Qty.
1	23-0188	Siderail Support and Insertion	2
2	23-0650G	S.A. Siderail Support	2
3	23-0832	S.A. Painted Right Head Siderail	1
4	23-0833	S.A. Painted Left Head Siderail	1
5	23-0834	S.A. Painted Right Foot Siderail	1
6	23-0835	S.A. Painted Left Foot Siderail	1
7	M0019	OG2 Grade Grease	1
8	QP18-0240-07	Anchorage - Left Glider	8
9	QP18-0241-07	Rear Right Glider	4
10	QP18-0242-07	Rear Left Glider	4
11	QP18-0243-07	Anchorage - Right Glider	8
12	QP23-0735	PCB Support	8
13	VB15A1N44	Bolt 1/4"-20 x 1 3/4" LG Grade 5	16
14	VB35A1N44	Carriage Bolt 1/4"-20 x 1 3/4" LG Grade 5	4
15	VE30A1N	Nylon Locknut 1/4-20	20
16	VG40B0240	Cotter Pin 1/16" x 1 1/2" LG	8
17	VV37A1N24-S	Machine Screw Truss Phillips 1/4-20 x 3/4" Scotch Grip	4
18	VW10A08	Flat Washer 1/4 x 1/16	4

## Half-Length Retractable Siderail (For Reference Only: OL230259CG-T, Rev. 01) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	23-0188	Siderail Support and Insertion	2
2	23-0650G	S.A. Siderail Support	2
3	23-0832	S.A. Painted Right Head Siderail	1
4	23-0833	S.A. Painted Left Head Siderail	1
5	23-0834	S.A. Painted Right Foot Siderail	1
6	23-0835	S.A. Painted Left Foot Siderail	1
7	M0019	OG2 Grade Grease	1
8	QP18-0240-07	Anchorage - Left Glider	8
9	QP18-0241-07	Rear Right Glider	4
10	QP18-0242-07	Rear Left Glider	4
11	QP18-0243-07	Anchorage - Right Glider	8
12	QP23-0735	PCB Support	8
13	VB15A1N44	Bolt 1/4"-20 x 1 3/4" LG Grade 5	16
14	VB35A1N44	Carriage Bolt 1/4"-20 x 1 3/4" LG Grade 5	4
15	VE52A1N	Tamper Proof Nut 1/4-20	20
16	VG40B0240	Cotter Pin 1/16" x 1 1/2" LG	8
17	VVB7A1N24-S	Machine Screw Truss Torx 1/4-20 x 3/4" Scotch Grip	4
18	VW10A08	Flat Washer 1/4 x 1/16	4

[Return To Table of Contents](#)

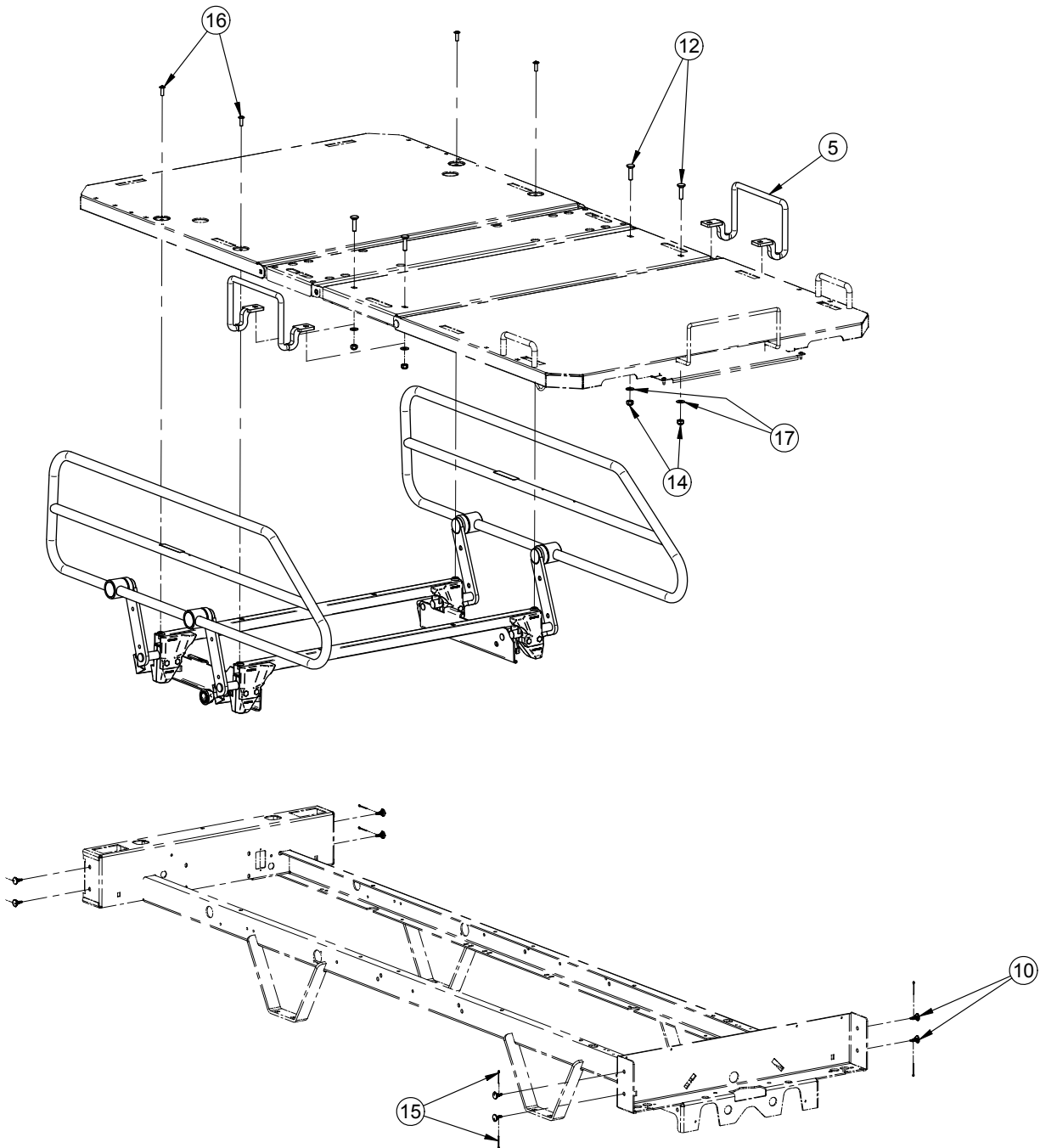
# Notes

---



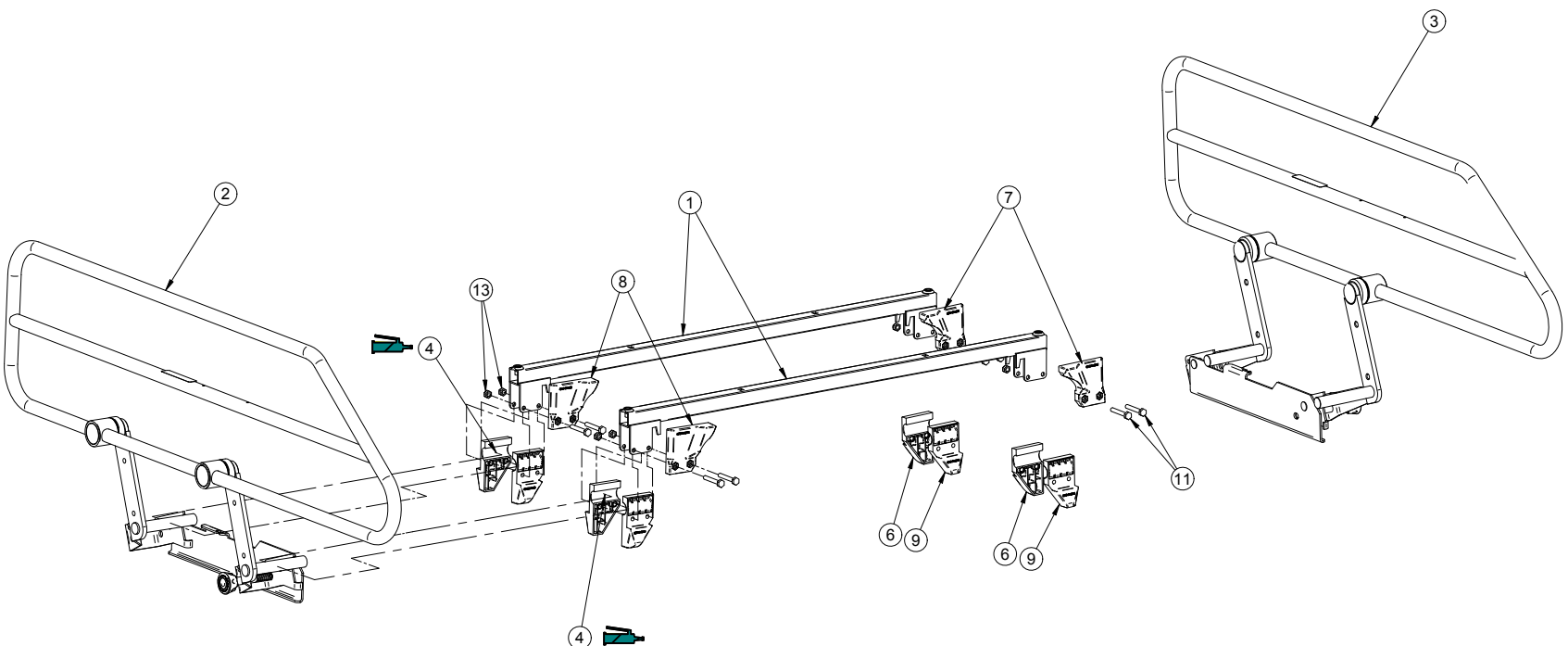
# Head Half-Length Siderail Only

For Reference Only: OL230260  
Rev. 02



[Return To Table of Contents](#)

## Head Half-Length Siderail Only



# Head Half-Length Siderail Only

## Head Half-Length Siderail Only (For Reference Only: OL230260CG, Rev. 02)

Item	Part No.	Part Name	Qty.
1	23-0188	Siderail Support and Insertion	2
2	23-0832	S.A. Painted Right Head Siderail	1
3	23-0833	S.A. Painted Left Head Siderail	1
4	M0019	OG2 Grade Grease	1
5	QDF23-0830C	Spacer Reducer	2
6	QP18-0240-07	Anchorage - Left Glider	8
7	QP18-0241-07	Rear Right Glider	4
8	QP18-0242-07	Rear Left Glider	4
9	QP18-0243-07	Anchorage - Right Glider	8
10	QP23-0735	PCB Support	8
11	VB15A1N44	Bolt 1/4"-20 x 1 3/4" LG Grade 5	16
12	VB35A1O36	Carriage Bolt 1/4"-20 x 1 3/4" LG Grade 5	4
13	VE30A1N	Nylon Locknut 1/4-20	20
14	VE30A1O	Nylon Locknut 5/16"-18	4
15	VG40B0240	Cotter Pin 1/16" x 1 1/2" LG	8
16	VV37A1N24-S	Machine Screw Truss Phillips 1/4-20 x 3/4" Scotch Grip	4
17	VW10A10	Flat Washer Diameter 5/16" SAE	4

## Head Half-Length Siderail Only (For Reference Only: OL230260CG-T, Rev. 02) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	23-0188	Siderail Support and Insertion	2
2	23-0832	S.A. Painted Right Head Siderail	1
3	23-0833	S.A. Painted Left Head Siderail	1
4	M0019	OG2 Grade Grease	1
5	QDF23-0830C	Spacer Reducer	2
6	QP18-0240-07	Anchorage - Left Glider	8
7	QP18-0241-07	Rear Right Glider	4
8	QP18-0242-07	Rear Left Glider	4
9	QP18-0243-07	Anchorage - Right Glider	8
10	QP23-0735	PCB Support	8
11	VVB3A1N44-S	Machine Screw Pan Head Torx 1/4"-20 x 1 3/4" LG Grade 5	16
12	VB35A1O36	Carriage Bolt 1/4"-20 x 1 3/4" LG Grade 5	4
13	VE52A1N	Tamper Proof Nut 1/4-20	20
14	VE52A1O	Tamper Proof Nut 5/16"-18	4
15	VG40B0240	Cotter Pin 1/16" x 1 1/2" LG	8
16	VVB7A1N24-S	Machine Screw Truss Phillips 1/4-20 x 3/4" Scotch Grip	4
17	VW10A10	Flat Washer Diameter 5/16" SAE	4

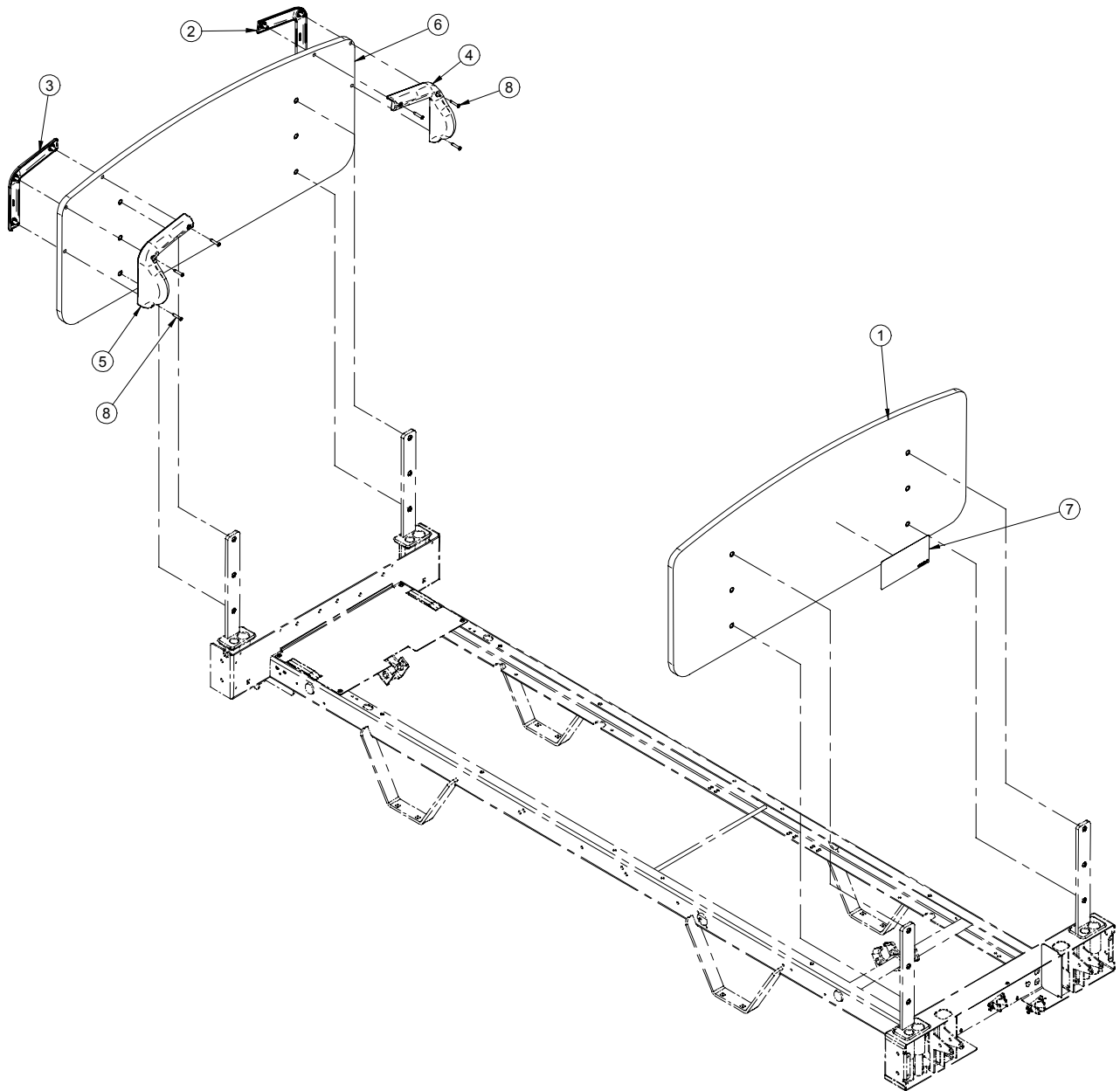
[Return To Table of Contents](#)

# Notes

---

# Melamine Board

For Reference Only: OP230194  
Rev. 02



[Return To Table of Contents](#)

# Melamine Board

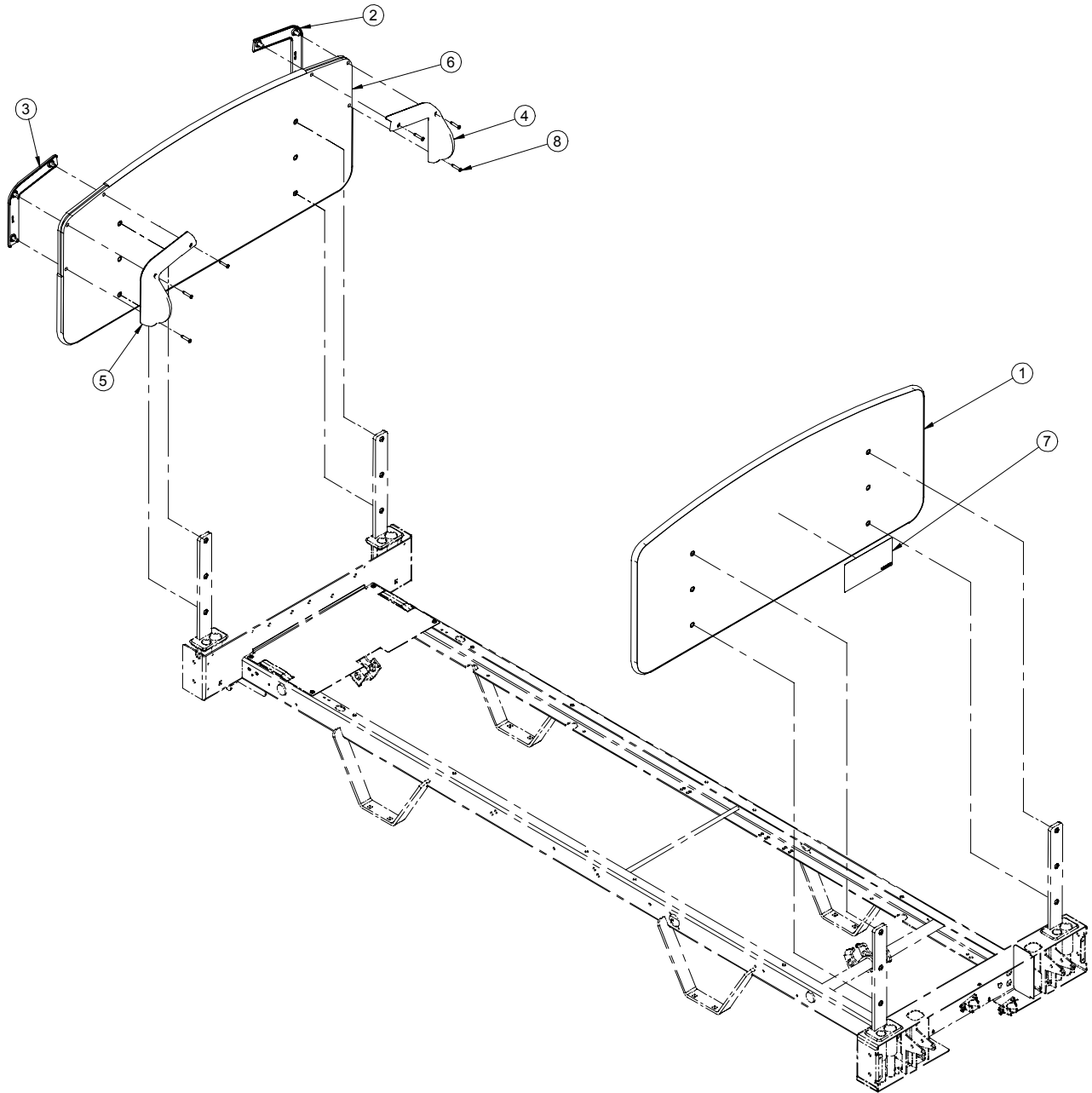
---

## Melamine Board (For Reference Only: OP230194, Rev. 02)

Item	Part No.	Part Name	Qty.
1	23-0218	Melamine Board	1
2	QP23-0472-07	Outer Right Handle	1
3	QP23-0473-07	Outer Left Handle	1
4	QP23-0474-07	Inner Right Handle	1
5	QP23-0475-07	Inner Left Handle	1
6	23-0514	Melamine Foot Board	1
7	QE14376-T	Sticker - Inversion	1
8	VV23A1G32HL	Tapping Screw Pan Phillips Type High-Low #10 x 1" z.p.	6

# Laminated MDF Board

For Reference Only: OP230195  
Rev. 02



[Return To Table of Contents](#)

# Laminated MDF Board

---

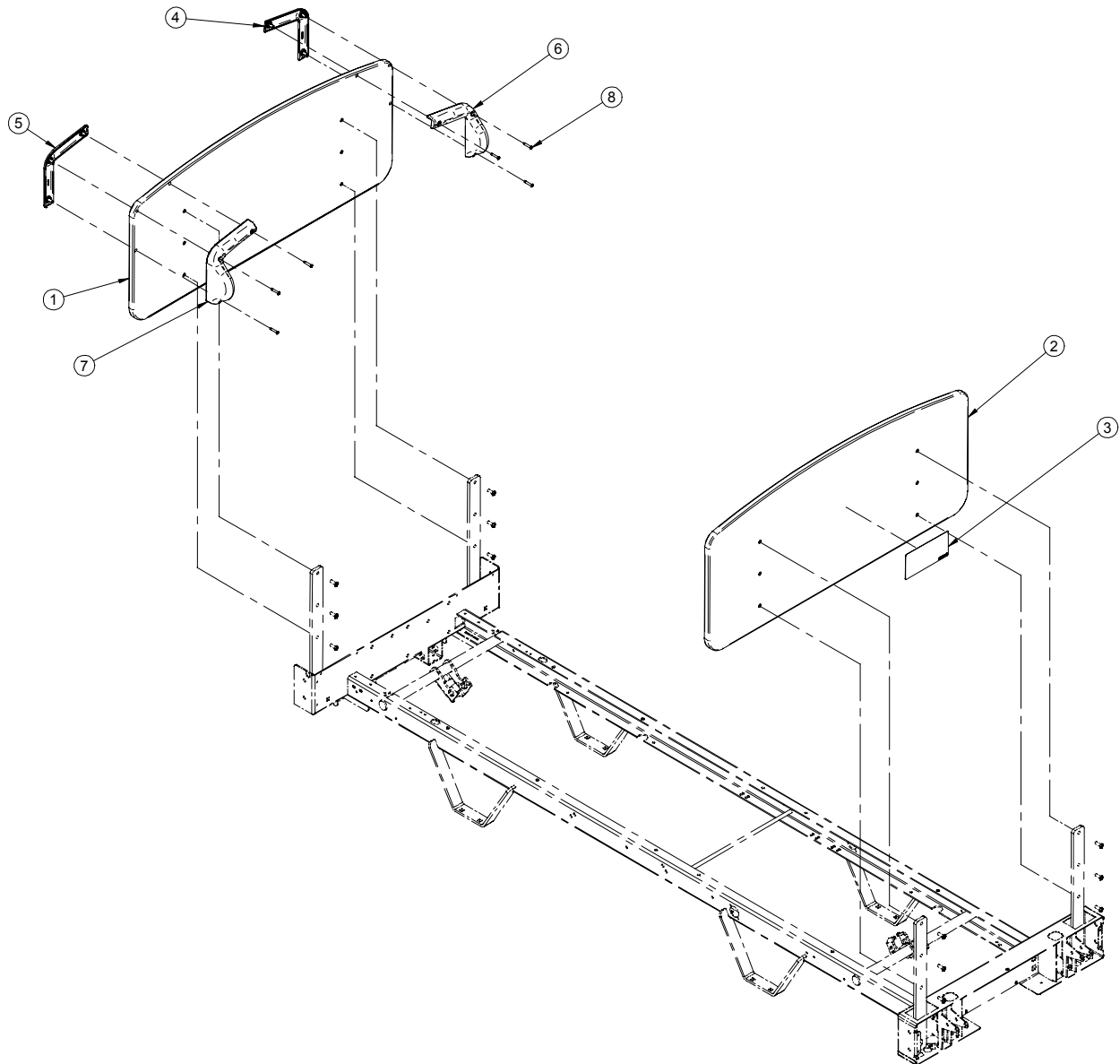
## Laminated MDF Board (For Reference Only: OP230195, Rev. 02)

Item	Part No.	Part Name	Qty.
1	23-0122	MDF Laminated Board	1
2	QP23-0472-07	Outer Right Handle	1
3	QP23-0473-07	Outer Left Handle	1
4	QP23-0474-07	Inner Right Handle	1
5	QP23-0475-07	Inner Left Handle	1
6	23-0516	Laminated Board	1
7	QE14376-T	Sticker - Inversion	1
8	VV23A1G32HL	Tapping Screw Pan Head Phillips Type High-Low #10 x 1" z.p.	6



# Solid Wood Board

For Reference Only: OP230214  
Rev. 02



[Return To Table of Contents](#)

# Solid Wood Board

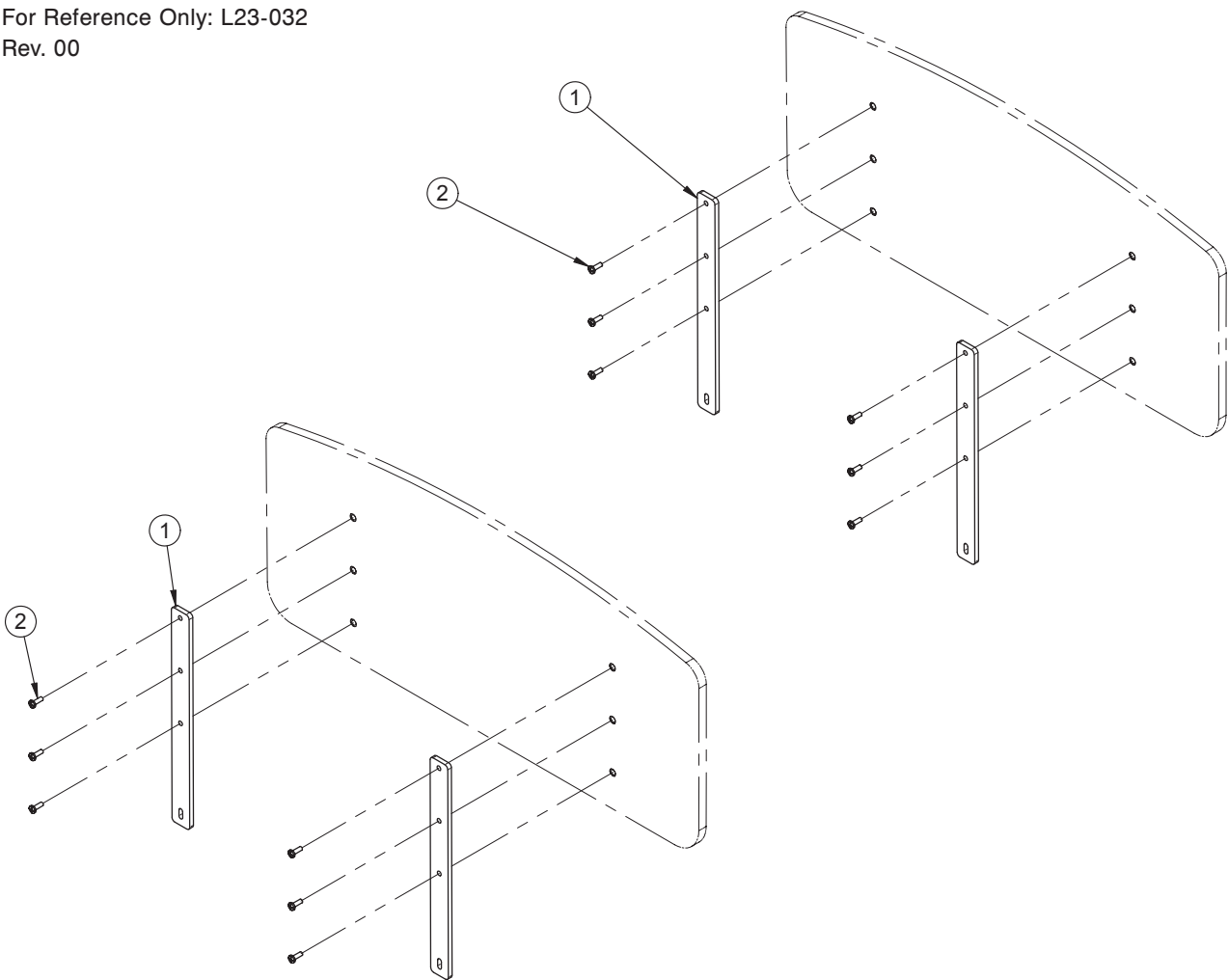
---

## Solid Wood Board (For Reference Only: OP230214, Rev. 02)

Item	Part No.	Part Name	Qty.
1	23-0660	S.A. Solid Wood Board	1
2	23-0634	S.A. Head Solid Core Board	1
3	QE14376-T	Sticker - Inversion	1
4	QP23-0472-07	Outer Right Handle	1
5	QP23-0473-07	Outer Left Handle	1
6	QP23-0474-07	Inner Right Handle	1
7	QP23-0475-07	Inner Left Handle	1
8	VV23A1G32HL	Tapping Screw Pan Head Phillips Type High-Low #10 x 1" z.p.	6

# Post Set

For Reference Only: L23-032  
Rev. 00



Post Set (For Reference Only: L23-032G, Rev. 00)

Item	Part No.	Part Name	Qty.
1	23-0124G	Fixing Plate	4
2	VV33A1N24-S	Machine Screw Pan Head Phillips 1/4-20 x 3/4" Scotch Grip	12

Post Set (For Reference Only: L23-032G-T, Rev. 00) (Tamper Proof Option)

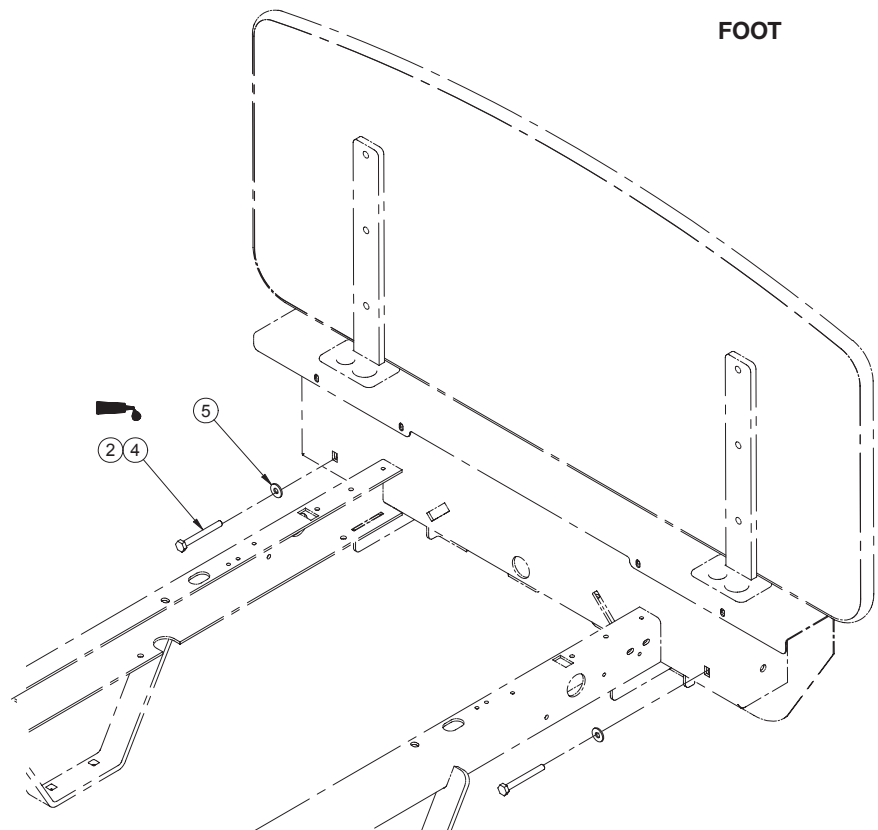
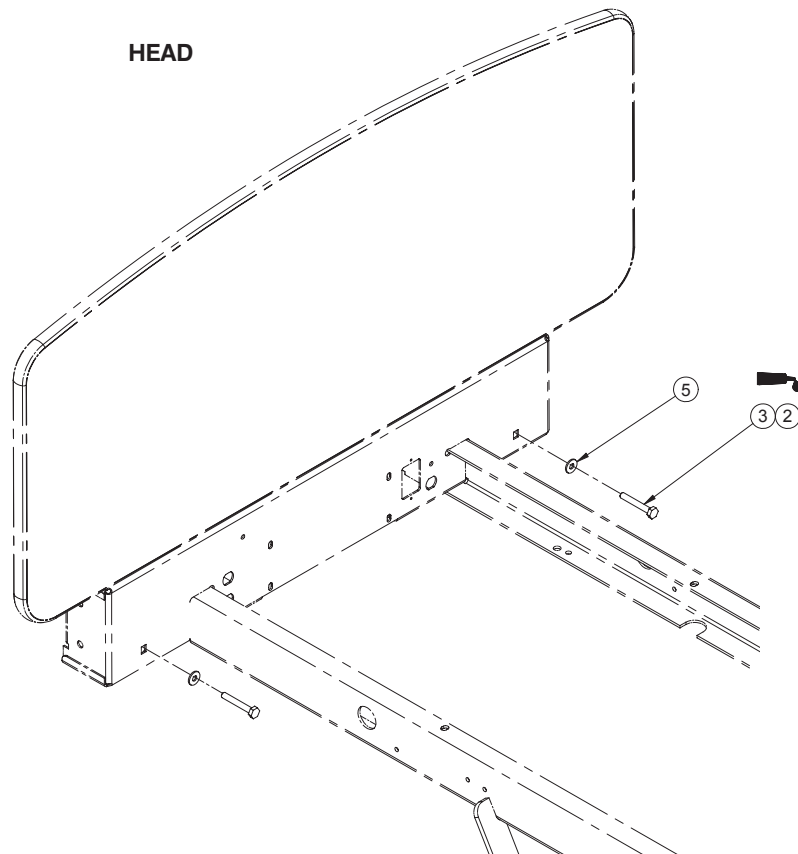
Item	Part No.	Part Name	Qty.
1	23-0124G	Fixing Plate	4
2	VVB3A1N24-S	Machine Screw Pan Head Torx 1/4-20 x 3/4" Scotch Grip	12

# Notes

---

# Board Locking Screw

For Reference Only: OL230165  
Rev. 03



[Return To Table of Contents](#)

# Board Locking Screw

---

## Board Locking Screw (For Reference Only: OL230165, Rev. 03)

Item	Part No.	Part Name	Qty.
1	ED2043	3 x 5 Resealable Plastic Bag	1
2	M0028	0.5 ml Locktite Threadlocker Bottle	1
3	VB15A1N44	Bolt 1/4" 20 x 1 3/4", Grade 5	2
4	VB15A1N50	Bolt 1/4-20 x 2 1/4" Grade 5 z.p.	2
5	VW10A08	Flat Washer 1/4" x 1/16"	4

## Board Locking Screw (For Reference Only: OL230165-T, Rev. 03) (Tamper Proof Option)

Item	Part No.	Part Name	Qty.
1	ED2043	3 x 5 Resealable Plastic Bag	1
2	M0028	0.5 ml Locktite Threadlocker Bottle	1
3	VVB3A1N44	Machine Screw Pan Head Torx 1/4" 20 x 1 3/4", Grade 5	2
4	VVB3A1N50	Machine Screw Pan Head Torx 1/4-20 x 2 1/4" Grade 5 z.p.	2
5	VW10A08	Flat Washer 1/4" x 1/16"	4

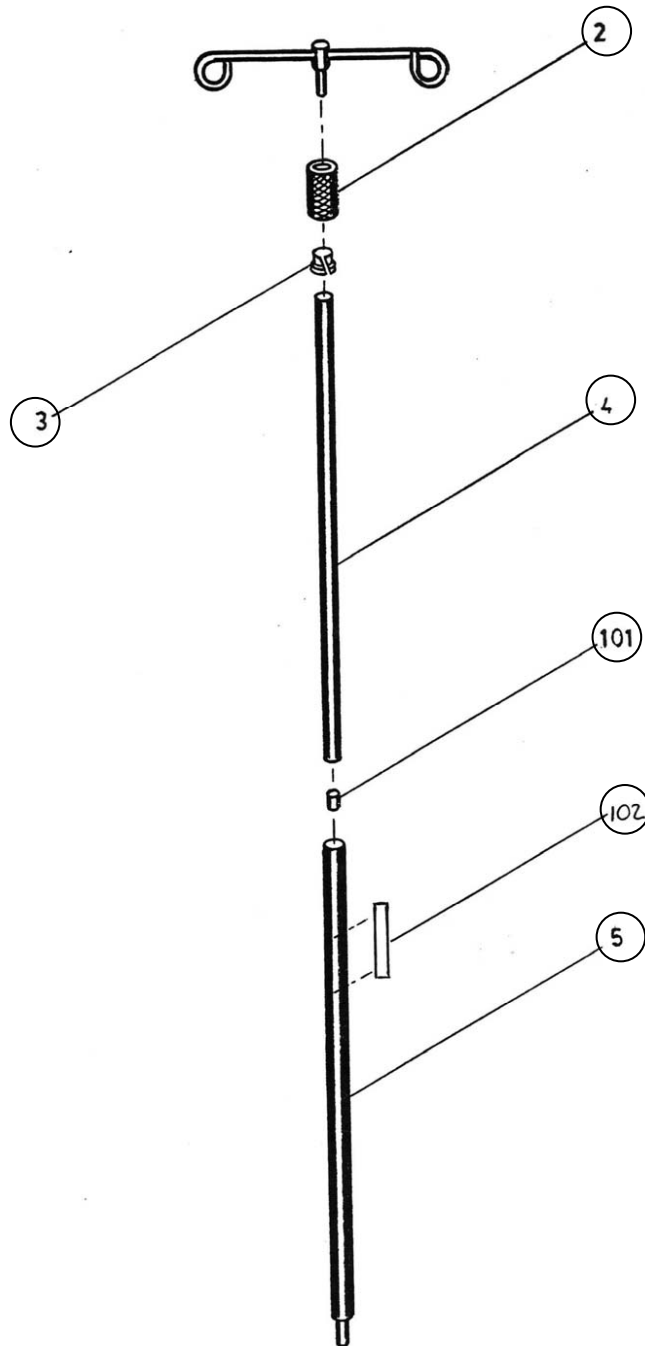
## Optional Bed Accessories

Accessory	Part Number	Page Reference
Half-Length Siderails Protective Pads	DM64232	<a href="#">See page 141</a>
Full-Length Siderails Protective Pads	DM64176	<a href="#">See page 141</a>
1" Diameter Removable I.V. Pole	FA61002-G	<a href="#">See page 133</a>
Oxygen Bottle Holder	FA64036-G	<a href="#">See page 137</a>
Upright Oxygen Bottle Holder	FA64117	<a href="#">See page 136</a>
Overhead Trapeze	FA64145	<a href="#">See page 139</a>
Monitor Tray	FA64153	<a href="#">See page 135</a>
1" Diameter Fixed I.V. Pole	FA64157	<a href="#">See page 134</a>
Removable I.V. Pole	FDTSH	<a href="#">See page 132</a>

### Note

These accessories are available for this type of bed but the safe use of these according to the psychological state of the patients is managed by the nursing personnel and accordingly to the hospital policies.

## Optional Removable I.V. Pole - FDTSH

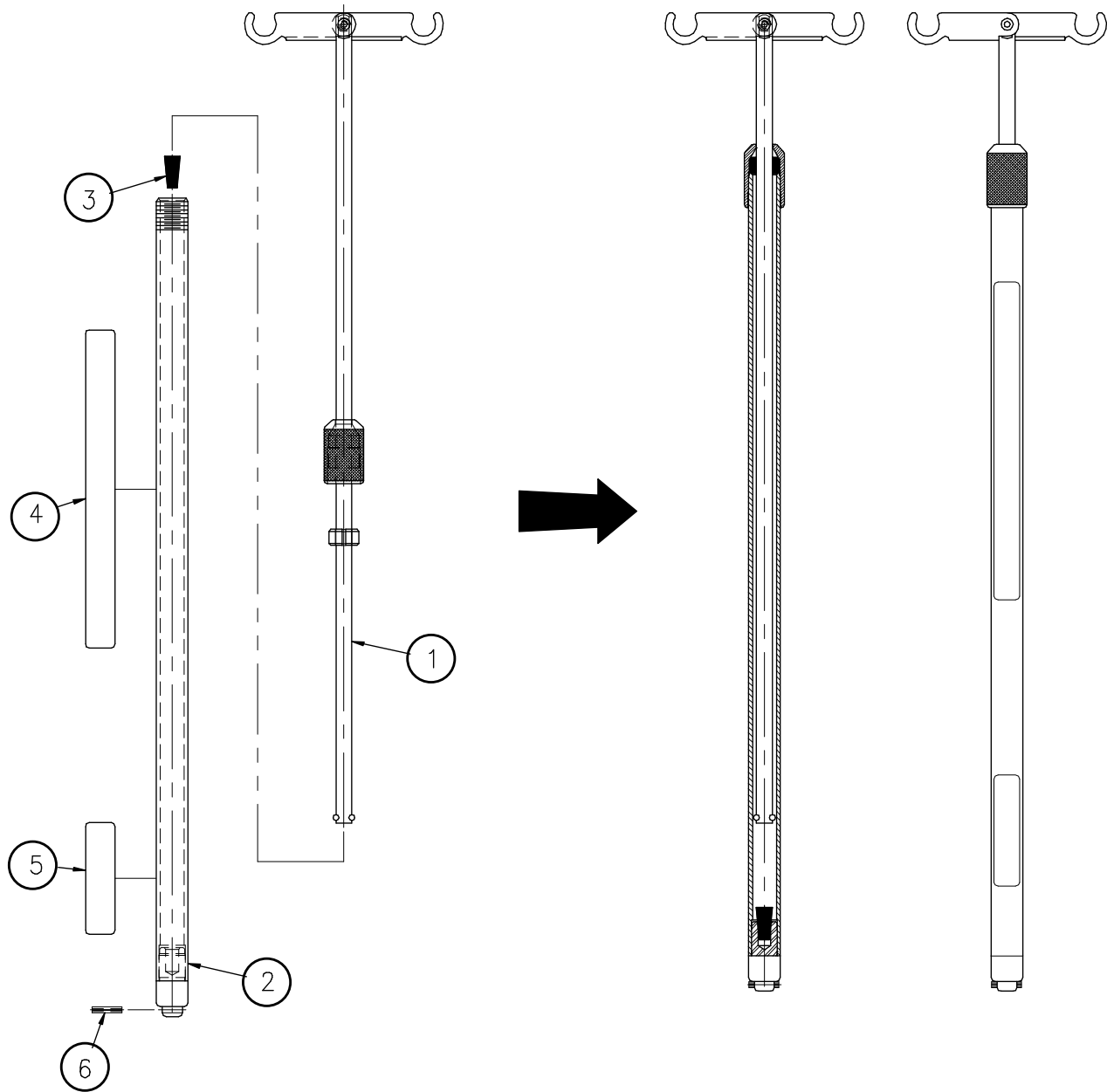


Removable I.V. Pole (For Reference Only: FDTSH, Rev.02)

Item	Part No.	Part Name	Qty.
2	2111A	Tightening Sleeve-Anodized	1
3	2109	Compression Socket	1
4	2107A	Top Tube-Anodized	1
5	2105A	Bottom Tube-Anodized	1
101	QPCE1206	Rubber Cap #000 (1/2" x 11/32" x 7/8") Black	1
102	QE71-0246-T	Warning Sticker	1



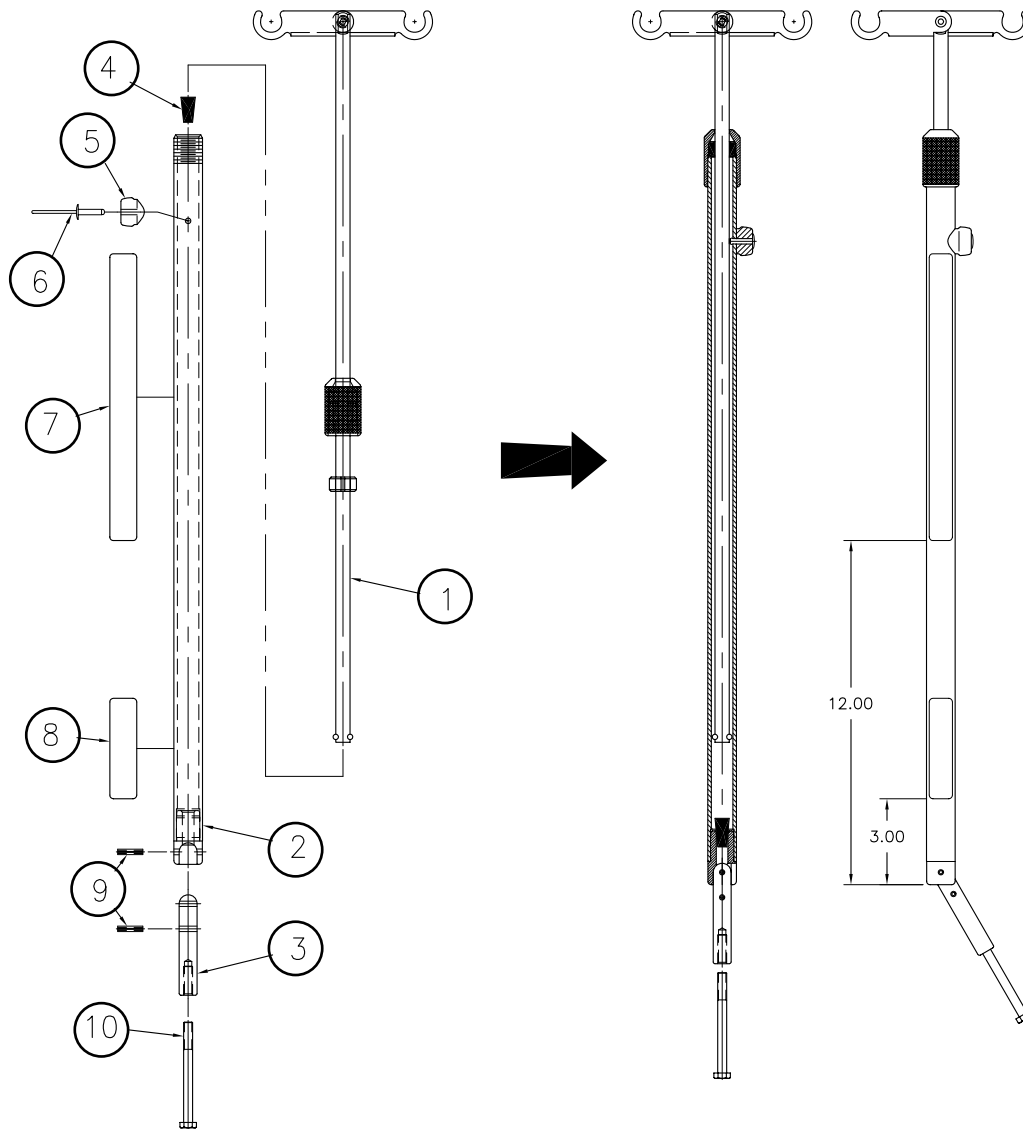
## Optional 1" Diameter Removable I.V. Pole - FA61002-G



**1" Diameter Removable I.V. Pole (For Reference Only: FA61002, Rev.01 )**

Item	Part No.	Part Name	Qty.
1	61-0011	S.A. Top Rod	1
2	61-0002A	S.A. Bottom Tube	1
3	QPCE1206	Rubber Cap #000 (1/2" x 11/32" x 7/8") Black	1
4	QE71-0246-T	Warning Sticker	1
5	QE14399-T	Manufacturer's Nameplate	1
6	VG10B0630	Roll Pin 3/16" Diameter x 15/16"	1

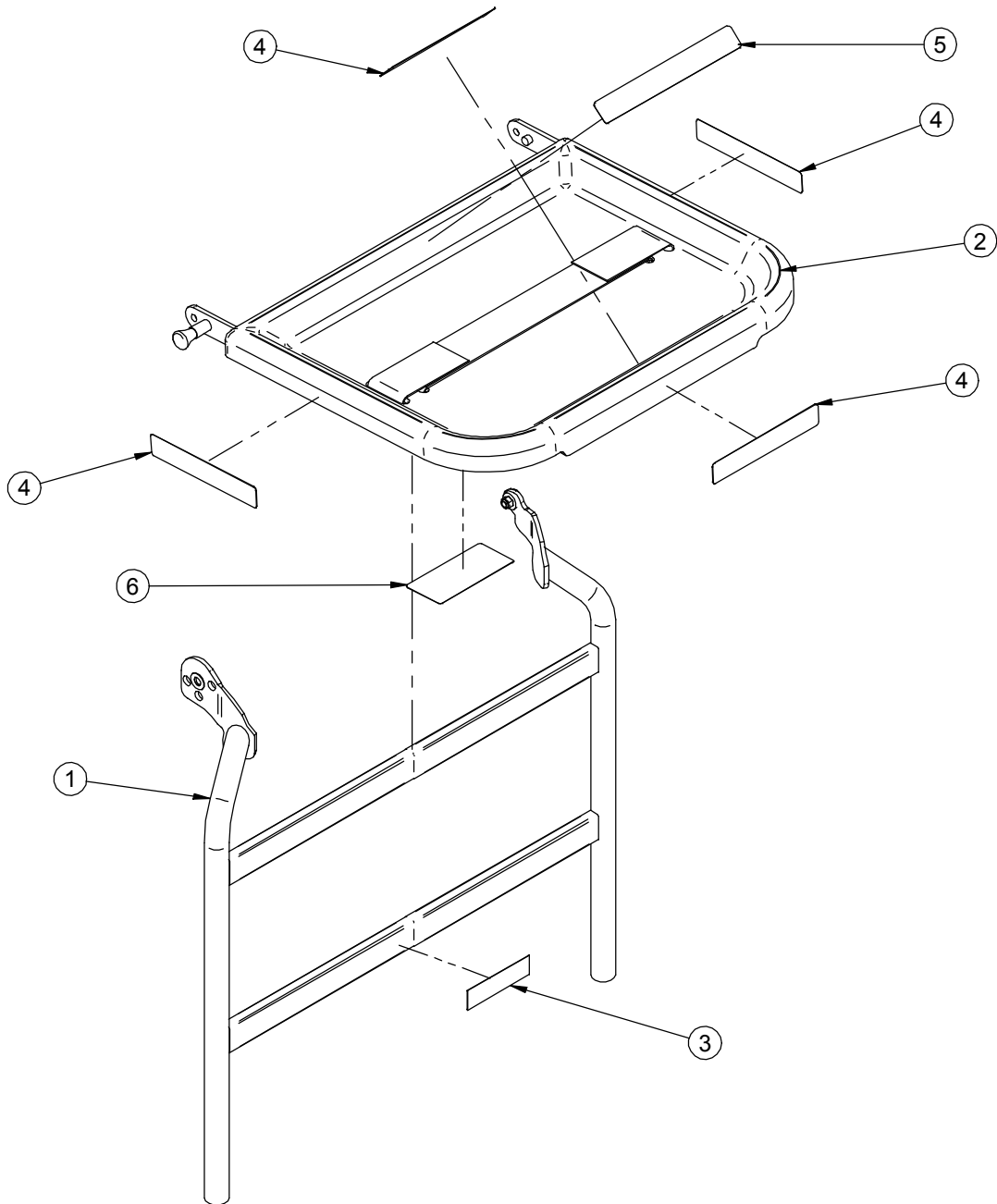
## Optional 1" Diameter Fixed I.V. Pole - FA64157



**1" Diameter Fixed I.V. Pole (For Reference Only: FA64157, Rev.01 )**

Item	Part No.	Part Name	Qty.
1	61-0011G	S.A. Top Rod	1
2	61-0752	S.A. Lower Tube	1
3	61-0012A	Fixing Shaft	1
4	QPCE1206	Rubber Cap #000 (1/2" x 11/32" x 7/8") Black	1
5	61-0016A	Pole Stopper	1
6	VR15A610	Pop Rivet 3/16" x 0.815" #AD610ABSLF	1
7	QE71-0246-T	Warning Sticker	1
8	QE14399-T	Manufacturer's Nameplate	1
9	VG10B0630	Roll Pin 3/16" Diameter x 15/16"	2
10	VB15A1O60	Hexagon Bolt 5/16-18 x 3 1/2" Grade 5 z.p.	1

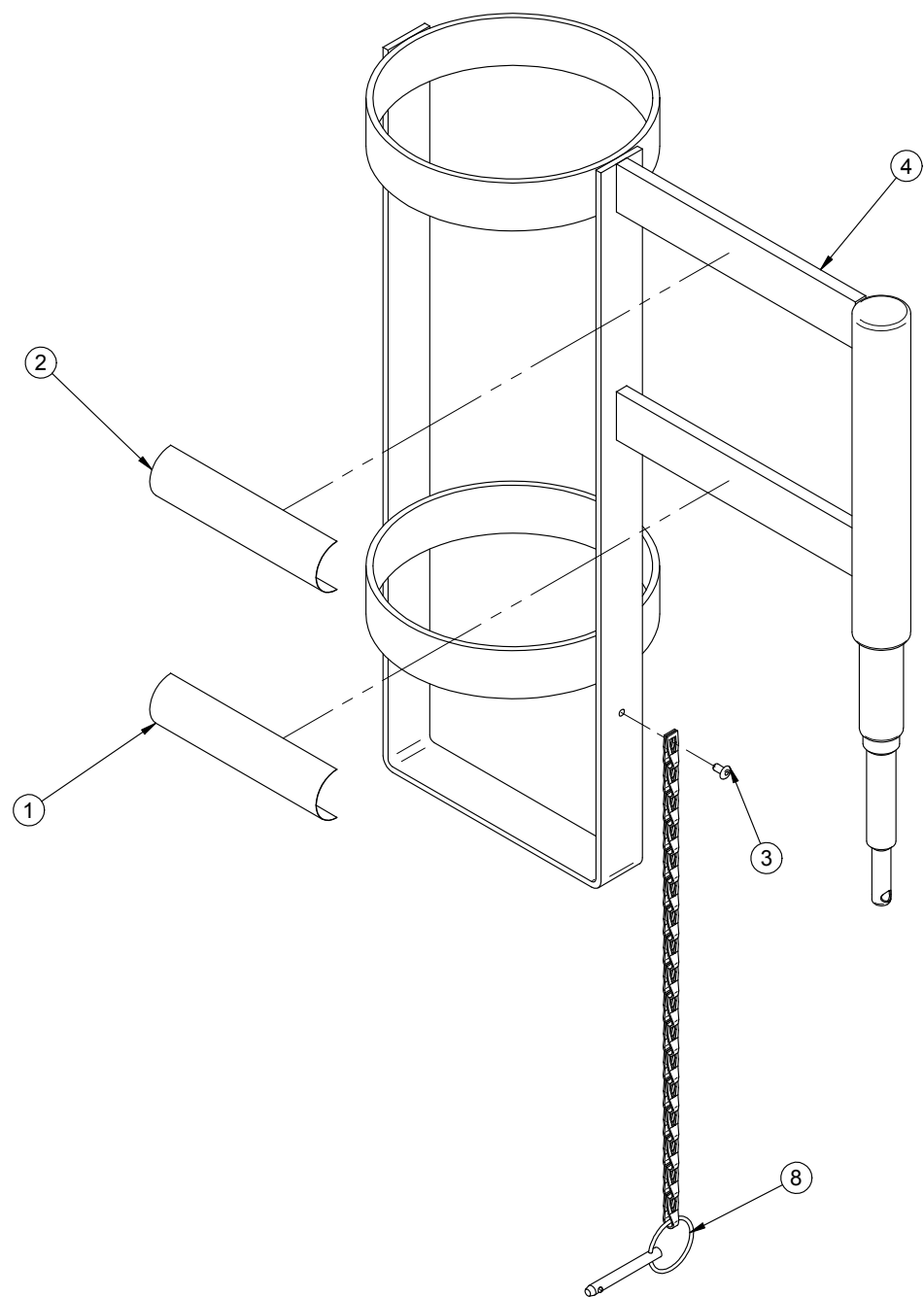
## Optional Monitor Tray - FA64153



Monitor Tray (For Reference Only: FA64153, Rev.01)

Item	Part No.	Part Name	Qty.
1	64-0745G	S.A. Tray Support	1
2	QDF5093	Tray and Fasteners	1
3	QE14399-T	Manufacturer's Nameplate	1
4	QE71-0578	Sticker - Maximum Load Capacity	4
5	QE71-0579-F	Sticker - Tied Up Load	1
6	QE71-0580-F	Sticker - Caution	1

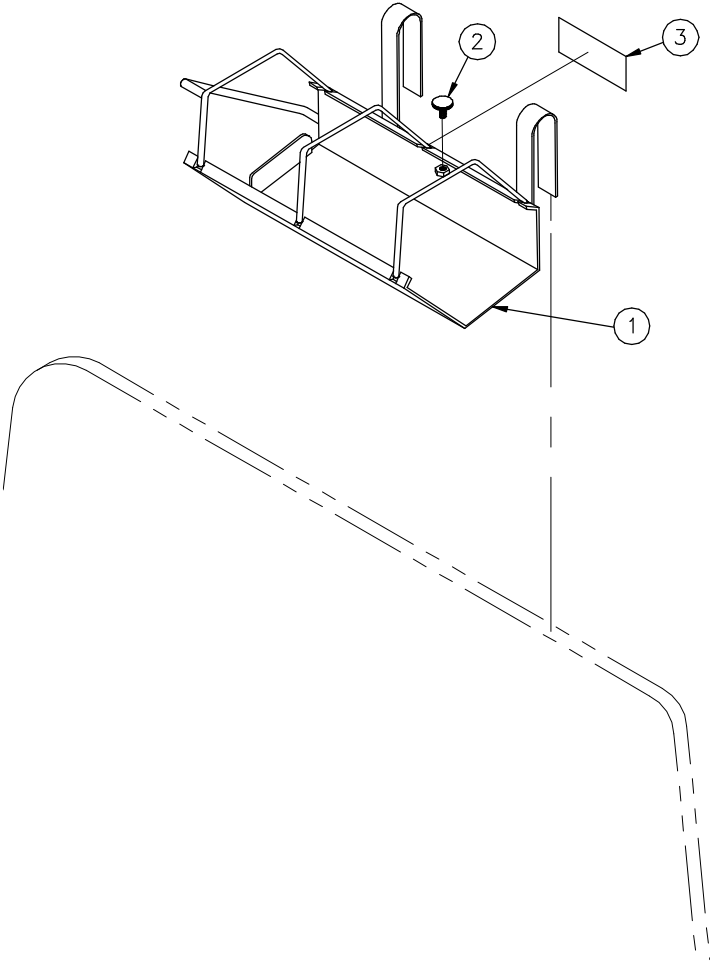
# Optional Upright Oxygen Bottle Holder - FA64117



Upright Oxygen Bottle Holder (For Reference Only: FA64117, Rev.02)

Item	Part No.	Part Name	Qty.
1	QE14399-T	Manufacturer's Nameplate	1
2	QE71-0601	Sticker - Maximum Load	1
3	VR11H42	Pop Rivet #42 Dome Head	1
4	QDF64-1005	Oxygen Support Bottle	1
8	64-0647	S.A. Security Chain	1

# Optional Oxygen Bottle Holder - FA64036-G



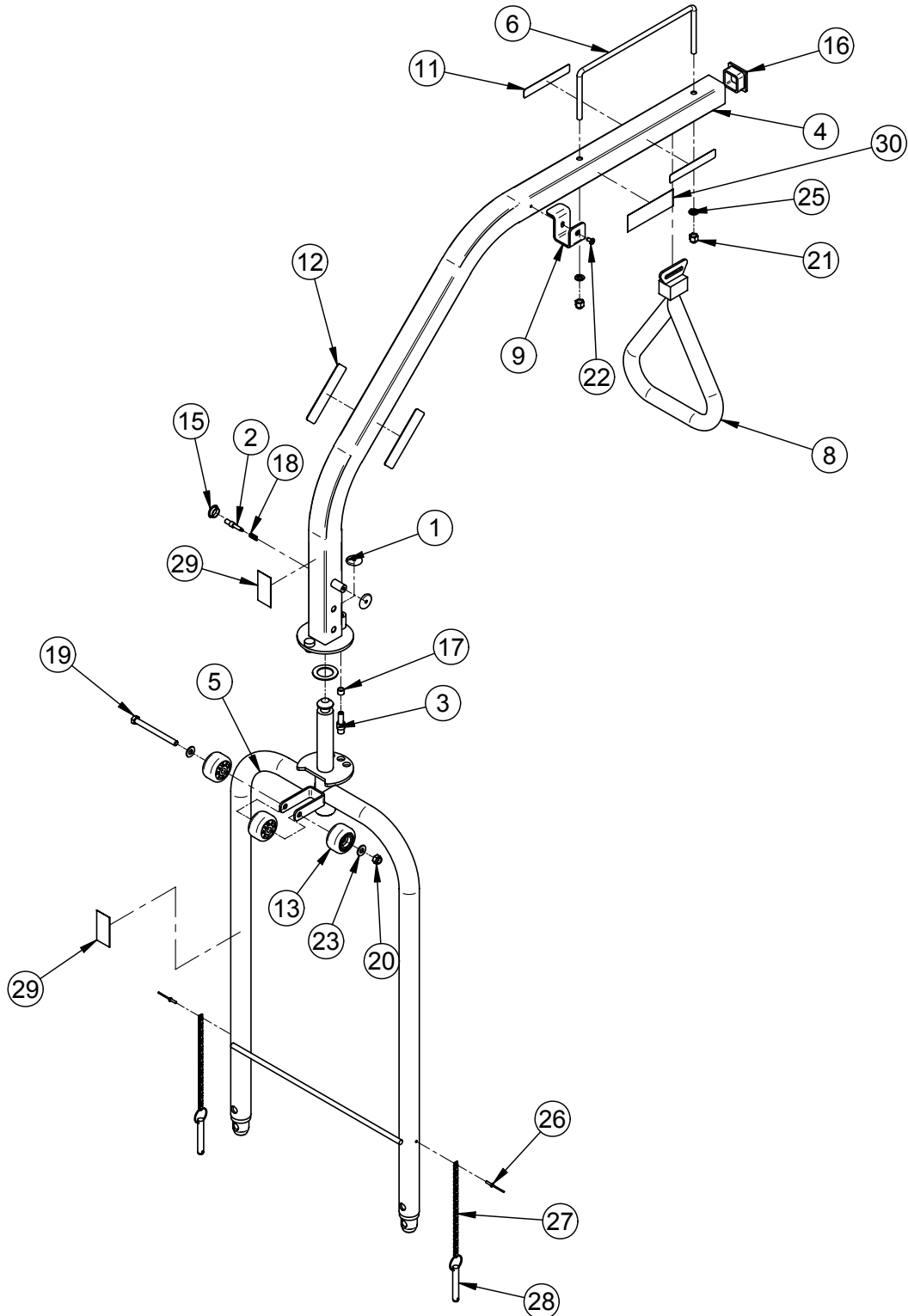
Oxygen Bottle Holder (For Reference Only: FA64036, Rev.01 )

Item	Part No.	Part Name	Qty.
1	64-0193P	S.A. Oxygen Bottle Holder	1
2	61-0294	S.A. Stop Screw	1
3	QE14399-T	Manufacturer's Nameplate	1

# Notes

---

## Optional Overhead Trapeze - FA64145



# Optional Overhead Trapeze - FA64145

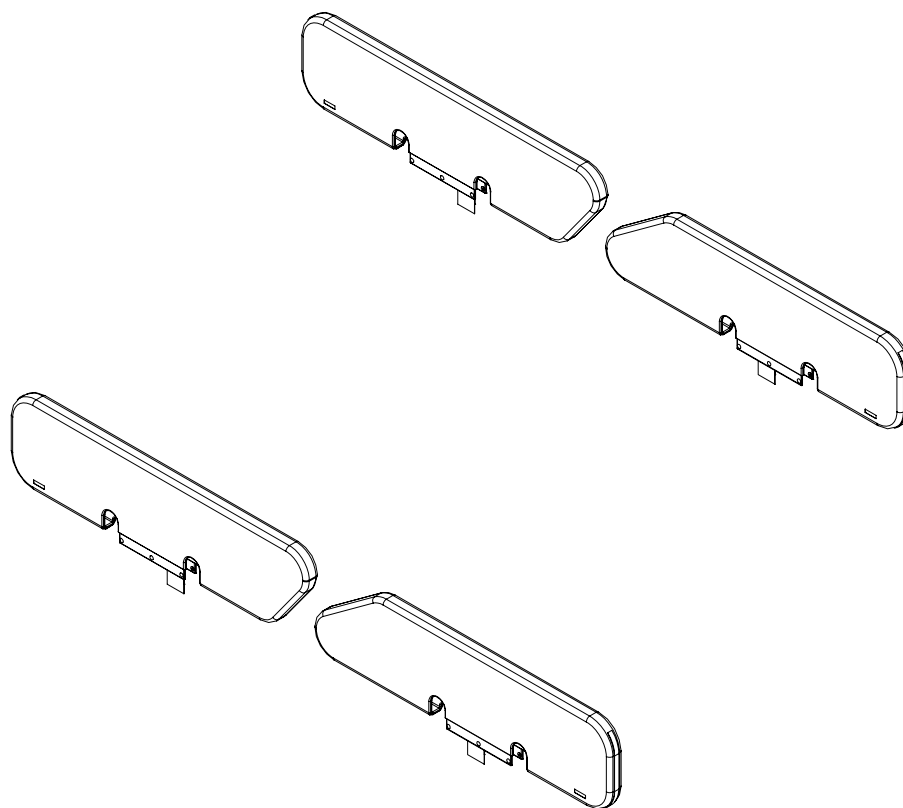
## Overhead Trapeze (For Reference Only: FA64145, Rev.04 )

Item	Part No.	Part Name	Qty.
1	16242C	Plunger Washer	2
2	16243Z	Plunger (Arm)	1
3	18939Z	Plunger	1
4	64-0700G	Curved Upper Tube	1
5	64-0699G	S.A. Trapeze Bar	1
6	9870C	Triangle Retainer	1
8	QDF6023	Trapeze with Webbing	1
9	64-1298G	Hook for Trapeze	1
11	QE71-0292-T	Maximal Weight Label	2
12	QE71-0731-F	Sticker - "Do not use trapeze to get in or leave the bed"	2
13	QPC-14-0321	Bumper Roller 1 3/4"	3
15	QPPE1205	Black Plastic Cap 5/8"	1
16	QPPF1505	Square Tubing Tip 1 1/2" x 1 1/2"	1
17	QR110027	Compression Spring 0.400" x 0.700" x 0.04"	1
18	QRC9793	Compression Spring 1/4" out. x 5/8" x 0.025	1
19	VB15A1O60	Hexagon Bolt 5/16-18 x 3 1/2" Grade 5 z.p.	1
20	VE30A1O	Nylon Hexagon Locknut 5/16-18 UNC z.p.	1
21	VE40A1O	Cap Nut 5/16-18 z.p.	2
22	VV83A9G12	Tapping Screw Pan Phillips Type B #10 x 3/8" z.p.	1
23	VW10A10	Flat Washer 5/16" SAE z.p.	2
24	VW10C322802	Nylon Washer 0.062" x 1" ins. x 1.563" out.	1
25	VW20A10	Spring Washer 5/16" Diameter	2
26	VR11H46	Pop Rivet #46, Dome Head	2
27	64-0536	Chain for Trapeze	2
28	QDF7871	QR Hitch Pin	2
29	QE14399-T	Manufacturer's Nameplate	2
30	QE71-1163-T	Storage of the Triangle Sticker	1



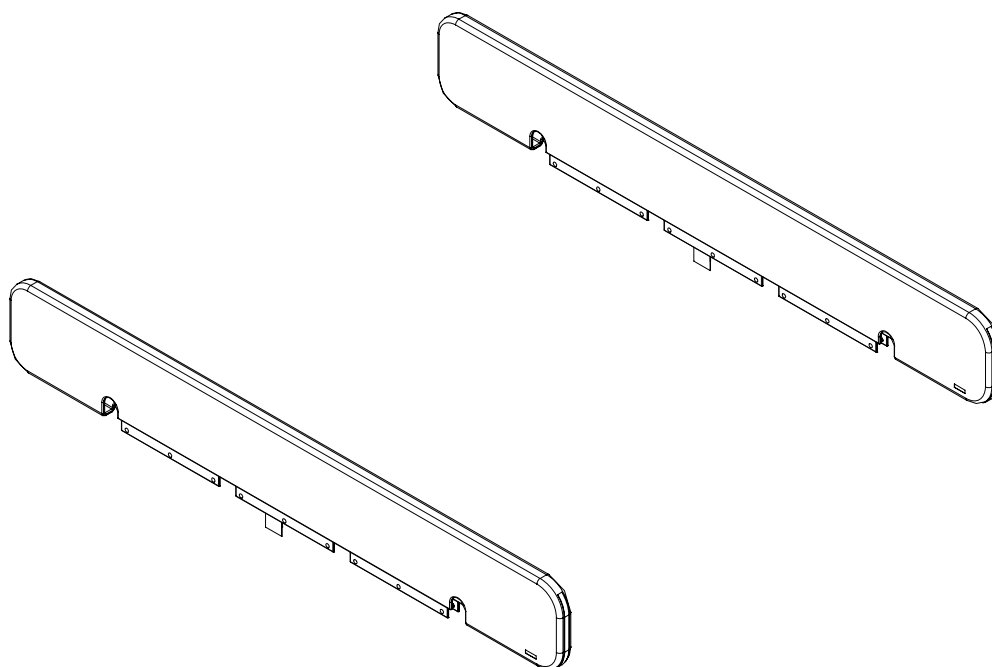
## Optional Half-Length Siderail Protective Pads - DM64232

---



## Optional Full-Length Siderail Protective Pads - DM64176

---



# Warranty

---

## LIMITED WARRANTY

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser the Manual MedSurg Bed Model FL23P to be free from defects in material and workmanship for a period of one (1) year after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at its option, any product which is, in the sole discretion of Stryker, found to be defective. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to the factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgment affects the product materially and adversely shall void this warranty. Any repair of Stryker products using parts not provided or authorized by Stryker shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

Stryker Medical Bed products are designed for a 15 year expected service life under normal use, conditions, and with appropriate periodic maintenance as described in the maintenance manual for each device. Stryker warrants to the original purchaser that the welds on its Bed products will be free from structural defects for the expected 15 year life of the Bed product as long as the original purchaser owns the product.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. **Stryker makes no other warranty or representation, either expressed or implied, except as set forth herein. There is no warranty of merchantability and there are no warranties of fitness for any particular purpose. In no event shall Stryker be liable here under for incidental or consequential damages arising from or in any manner related to sales or use of any such equipment.**

## TO OBTAIN PARTS AND SERVICE

Stryker products are supported by a nationwide network of dedicated Stryker Field Service Representatives. These representatives are factory trained, available locally, and carry a substantial spare parts inventory to minimize repair time. Simply call your local representative, or call Stryker Customer Service USA at 1-800-327-0770 or Canada at 1-888-233-6888.

## SERVICE CONTRACT COVERAGE

Stryker has developed a comprehensive program of service contract options designed to keep your equipment operating at peak performance at the same time it eliminates unexpected costs. We recommend that these programs be activated before the expiration of the new product warranty to eliminate the potential of additional equipment upgrade charges.

### A Service Contract helps to:

- Ensure equipment reliability
- Stabilize maintenance budgets
- Diminish downtime
- Establish documentation for JCAHO
- Increase product life
- Enhance trade-in value
- Address risk management and safety

# Warranty

## SERVICE CONTRACT PROGRAMS

Stryker offers the following service contract programs:

Service Agreement Options *	Gold	Silver	Parts	Labor	PM
Annually scheduled preventative maintenance	X				X
All parts	X	X	X		
All labor and travel	X	X		X	
Unlimited emergency service calls	X	X		X	
Priority one contact: two hour phone response	X	X	X	X	
Most repairs completed within 3 days	X	X		X	
JCAHO documentation	X	X		X	X
On-site record of PM & emergency service	X				X
Factory-trained Stryker service technician	X	X		X	X
Stryker authorized parts used	X	X	X	X	X
Service during regular business hours (8–5)	X	X	X	X	X

\* Does not include maintenance due to abuse or for any disposable items. Stryker reserves the right to change options without notice.

Stryker Medical also offers personalized service contracts.  
Pricing is determined by age, location, model and condition of product.

**For more information on our service contracts,  
please call your local representative.**

## RETURN AUTHORIZATION

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items. **Special, modified, or discontinued items not subject to return.**

## DAMAGED MERCHANDISE

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. **Do not accept damaged shipments unless such damage is noted on the delivery receipt at the time of receipt.** Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full. Claims for any short shipment must be made within thirty (30) days of invoice.

## INTERNATIONAL WARRANTY CLAUSE

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for additional information.

[Return To Table of Contents](#)



UNITED STATES  
Stryker Medical  
3800 E. Centre Ave.,  
Portage, Michigan USA  
49002

CANADA  
Stryker Canada  
45 Innovation Drive  
Hamilton, Ontario Canada  
L9H 7L8

EC	REP
----	-----

**European Representative**  
Stryker France  
ZAC Satolas Green Pusignan  
Av. De Satolas Green  
69881 MEYZIEU Cedex  
France

**stryker**<sup>®</sup>