stryker®
Medical

965 Wedge Turning Frame Military Option – CMM #0965

Operations and Maintenance Manual

For Parts or Technical Assistance
800–327–0770

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INTRODUCTION

This manual is designed to assist you with the operation and maintenance of the 965 Wedge Turning Frame Military Option. Read the manual thoroughly before using the equipment or beginning any maintenance on it. The Wedge Turning Frame Military Option is to be used only in conjunction with United States military aircraft.

SPECIFICATIONS

Maximum Weight Capacity	250 pounds
Overall Bed Length \ Width	98.5” x 31”
Minimum \ Maximum Litter Surface Height	33.5” x 46.75”
Maximum Height to Top of Turning Frame	60.75”
Trendelenburg \ Reverse Trendelenburg	+18° / –18° ± 1°

Stryker reserves the right to change specifications without notice.

WARNING / CAUTION / NOTE DEFINITION

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

WARNING

The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.

CAUTION

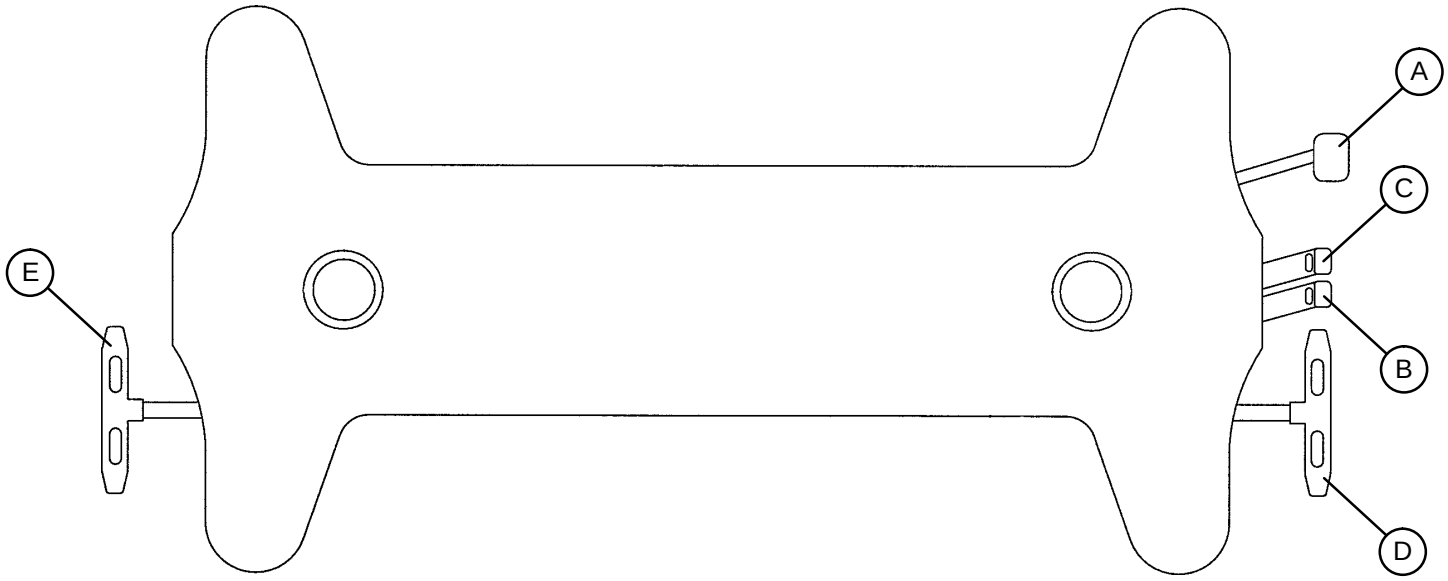
These instructions point out special procedures or precautions that must be followed to avoid damaging the equipment.

NOTE

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

Stretcher Operation

OPERATING BASE CONTROLS

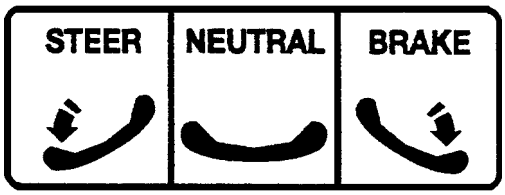


(A) Pump to raise litter.

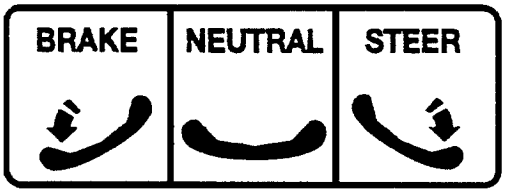
(B) Depress to lower head end.

(C) Depress to lower foot end.

Note: Depress B & C together to lower both ends of the litter simultaneously.



(D) Brake and Steer functions (foot end)



(E) Brake and Steer functions (head end)

Stretcher Operation

RAISING AND LOWERING LITTER HEIGHT

To **raise** the litter height, pump pedal (A) repeatedly until the desired height is achieved (see illustration on page 4).

To **lower** both ends of the litter simultaneously, depress pedal (B) and (C) together using the same foot.. To lower only the head end of the litter, depress pedal (B). To lower only the foot end of the stretcher, depress pedal (C) (see illustration on page 4). The base is equipped with variable descent controls. With variable descent controls, the farther you press down on the pedal, the faster the litter will lower.

TRENDELENBURG/REVERSE TRENDELENBURG

NOTE

If they are tightened, the litter securing straps must be loosened or released.
Litter height must be raised first in order to achieve a trend. or reverse trend. position.
Lower the head end jack 1" or more from the maximum height before lowering the foot end jack for reverse trend.

CAUTION

Be sure to remove any equipment that may be in the way before lowering the stretcher.

For **Trendelenburg** positioning (head down), depress pedal (B) (see illustration, page 4).

For **Reverse Trendelenburg** positioning (foot down), depress pedal (C) (see illustration on page 4).

APPLYING THE BRAKE SYSTEM

NOTE

For user convenience, the brake/steer pedal is located on both ends of the stretcher.

WARNING

Always apply the caster brakes when a patient is getting on or off the stretcher. Push on the stretcher to ensure the brakes are securely locked. Always engage the brakes unless the stretcher is being moved. Injury could result if the stretcher moves while a patient is getting on or off the stretcher. If brakes do not hold properly, refer to your stretcher maintenance manual for a brake adjustment procedure.

To engage the brakes on the head end, push fully down on the left side of pedal (E) (see page 4).

To engage the brakes on the foot end, push fully down on the right side of pedal (D) (see page 4).

OPERATING FIFTH WHEEL

The purpose of the fifth wheel is to help guide the stretcher when transporting a patient along a straight line and also for pivoting at corners.

To engage the fifth wheel, push the proper side of the brake/steer pedal to the full down position.

The 5th wheel is located underneath the center of the base assembly.

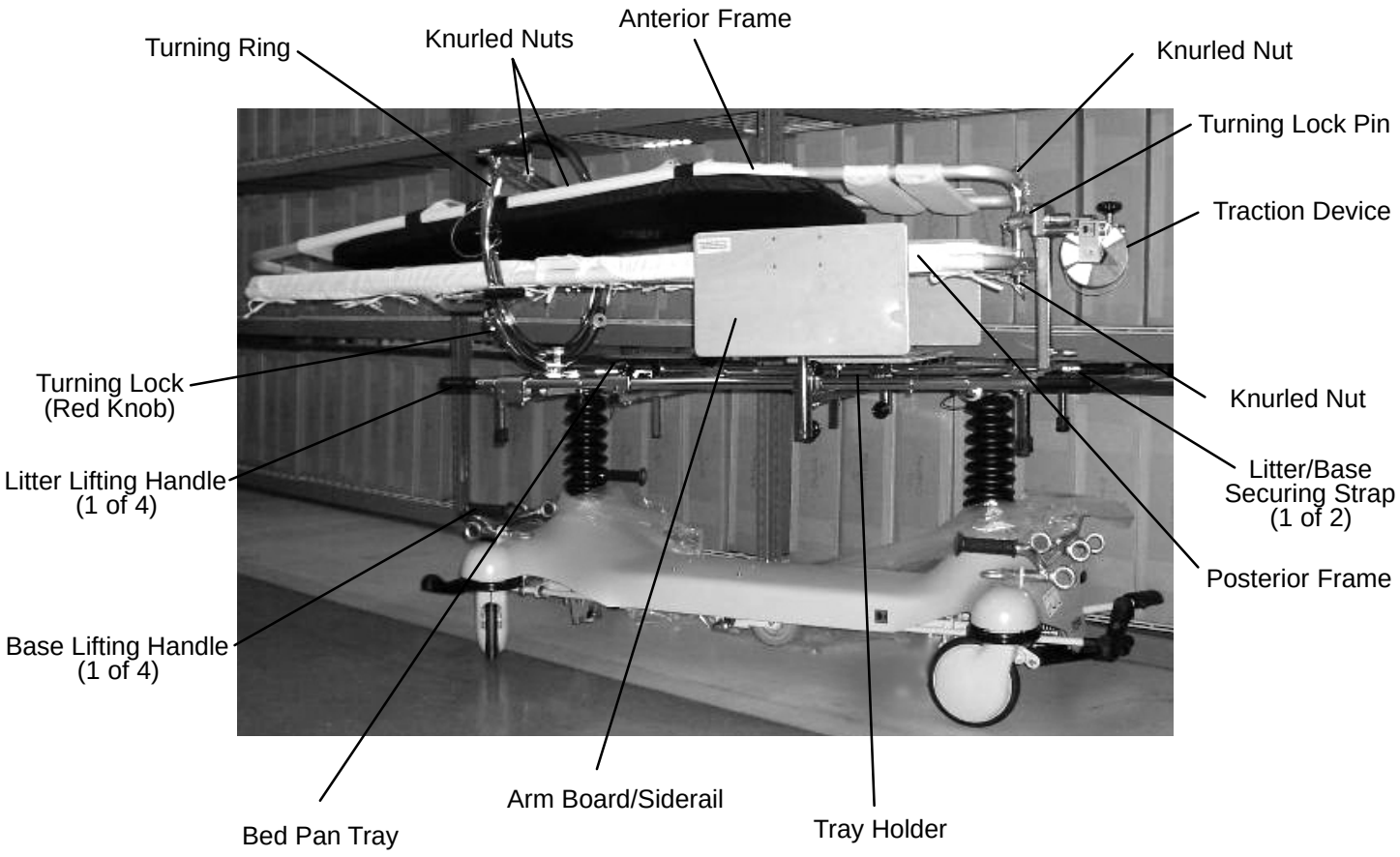
CAUTION

Do not use the Fifth Wheel while on an aircraft, aircraft ramp or in other situations where the majority of the unit's weight is concentrated on the Fifth Wheel or damage could occur.

Turning Frame Operation Instructions

WARNING/CAUTION

- To ensure patient and operator safety, read and understand the operation instructions completely before operating the turning frame.
- The 965 Military Option is equipped with a turning lock pin to prevent the frame from turning. To avoid injury, all operators must be aware of its usage and purpose.
- Maximum allowable patient weight is 250 pounds (113 kilograms).
- To ensure patient safety, the knurled nut at the head end of the posterior litter frame *must* always be kept tight when a patient is on the frame and the knurled nut for the anterior frame *must* be kept tight when the patient is being or has been turned.
- The litter foot end slide brackets (see item F on page 49) create a possible pinch point. Use caution when moving the litter top to avoid injury.
- The caster brakes on the base must always be applied except when moving the equipment.
- Do not use the Fifth Wheel while on an aircraft, aircraft ramp or in other situations where the majority of the unit's weight is concentrated on the Fifth Wheel or damage could occur.
- Wheel chocks must be used at all times when the unit is being used on an aircraft. The wheel chocks should be kept in the storage bag when not in use.
- Do not use the turning ring as a lifting point. Damage to the litter top could occur.



Turning Frame Operation Instructions

These labels are essential to the safe operation of the AFO Wedge Turning Frame. If they are not present and in good condition, they must be replaced.

LOWER HEAD JACK 1" OR MORE FROM MAXIMUM UP POSITION BEFORE LOWERING FOOT JACK FOR REVERSE TRENDELENBERG POSITION

part number 965–300–440

ALIGN ANTERIOR FRAME ON THE SUPPORT BAR IN THE TURNING RING. THEN TIGHTEN KNURLED NUT.

part number 965–300–441

MAXIMUM WEIGHT
250 LBS = 113.39 KGS

part number 965–300–438

ATTENTION
FOR ADJUSTMENT ON EXTRA HEAVY PATIENTS SEE INSTRUCTIONS DECAL ON MAIN FRAME.

part number 965–300–434

KNURLED NUT
TIGHTEN SECURELY BEFORE TURNING PATIENT

part number 965–300–436

REMOVE SECURITY PIN AT SWIVEL BEFORE ROTATING

part number 965–300–439

SECURITY LOCKING PIN

part number 965–300–431

SLIDE BOARD RIGHT → TO UNLOCK AND TURN UP OR DOWN TO DESIRED POSITION

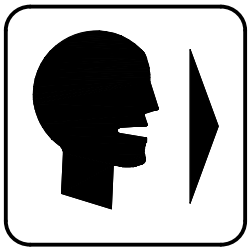
part number 965–300–437

POSTERIOR

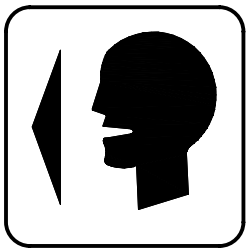
part number 965–300–432

ANTERIOR

part number 965–300–433



part number 965–300–442



part number 965–300–443

CAUTION

NEVER COMPLETELY

REMOVE THIS BAR

THIS BAR MAY BE ADJUSTED TO PATIENTS THICKNESS. SPACER NUTS MAY BE REMOVED FOR SPECIAL CASES. ALWAYS TIGHTEN NUTS BEFORE ROTATING PATIENT.

part number 965–300–435

Turning Frame Operation Instructions

To set up the litter to receive the patient, place the posterior frame on the half of the ring marked “posterior frame” and on the bolt marked “posterior frame” at the head end of the litter. Fasten the head end to the bolt using the knurled nut. The opposite bolt is marked “anterior” for the anterior frame. The turning handles should always be on the patient’s left side as shown in Figure 2. Before placing the patient on the posterior frame, insert the litter turning lock pin at the head end of the frame as shown in Figure 3.

To remove the anterior half of the ring: unlock and open the ring completely and slide the ring half off the hinge pin (toward the head end of the litter). To replace the half ring, reverse the process. See Figure 4.

WARNING

To ensure patient safety, the knurled nut at the head end of the posterior litter frame *must* always be kept tight when a patient is on the frame and the knurled nut for the anterior frame *must* be kept tight when the patient is being or has been turned.

The caster brakes on the base must always be applied except when moving the equipment.

When the patient is unattended, close the ring over the patient and turn the arm boards up to use as side boards. Ensure the turning lock pin has been inserted. NATO litter straps should always be used to secure the patient.

For bed pan use, remove one side of the spring holding the cut–out in the posterior canvas and remove the cut out. The arm boards can be positioned to support the bedpan.

Figure 1
Patient fully secured with NATO litter straps

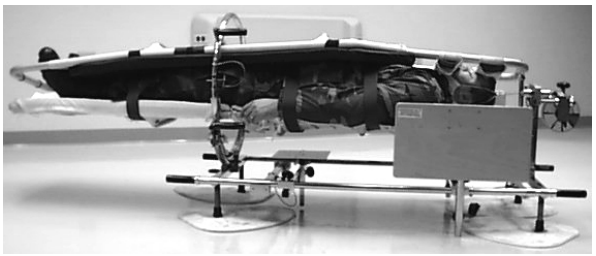


Figure 2
Patient fully secured with anterior frame, restraint straps and ring assembly.

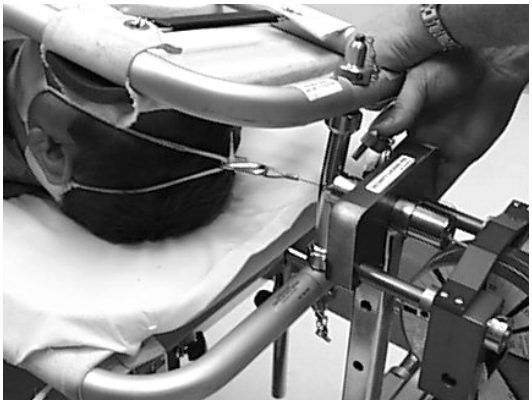


Figure 3
Turning Lock Pin / Litter Knurled Nuts

Figure 4
Removing the anterior half of the ring.

Turning Frame Operation Instructions

Before turning the patient, remove the NATO litter straps, insert the anterior half of the ring and fasten the anterior frame securely with the knurled nut at the head end. Lower the anterior frame over the patient. Secure the frame snugly over the patient by closing the ring over the anterior frame until it locks with an audible “click”. If there is too much pressure on a large patient or too little pressure on a small patient when the ring is completely closed, unlock the ring and adjust the frame by turning the two knurled nuts on the anterior frame up or down (see item J on page 54).

WARNING

To ensure patient safety, the knurled nut at the head end of the posterior litter frame *must* always be kept tight when a patient is on the frame and the knurled nut for the anterior frame *must* be kept tight when the patient is being or has been turned. The caster brakes on the base must always be applied except when moving the equipment.

To turn the patient, lower the arm boards out of the way and be sure the patient’s arms are secured by the litter straps inside the frame. The turning motion will always be to the patient’s right. Verify the knurled nuts at the head end of the frame are securely tightened. Remove the turning lock pin from the head end of the frame. Pull out the red turning lock knob (see Figure 5), firmly grasp the turning handles and turn the patient over (see Figures 6 & 7). The turning lock automatically locks when the lower frame is horizontal and level. **Immediately insert the turning lock pin at the head end of the frame.**

If it is necessary to remove the posterior frame with the patient face down on the anterior frame, unlock and open the ring and remove the frame. Resecure the patient with the NATO litter straps. Close the ring until it locks with an audible “click”. Adjust the position of the arm boards and the table for reading. The arm boards can be moved up and down, forward and back, and tilted and locked in any one of four positions. When the patient is on the anterior frame, elevate the head end 2 inches for increased comfort unless medically contraindicated.

Figure 5
Pull out the turning lock knob

Figure 6
Grasp the turning handles

Figure 7
Turn the patient

NOTE

It requires four people to safely remove the litter from the base.

To remove the litter from the base, pull out the litter release pins at both ends of the stretcher (see Figure 8) and remove the litter/base securing straps.

Position a person at each of the four corners of the litter. Each person must securely grasp a litter lifting handle at each corner of the litter and lift the litter off the jack actuators.

NOTE

The jack actuators will rise as the litter is lifted up. Keep the litter level and lift until the support tubes clear the jack actuators before moving forward (see Figures 9 & 10).

The base assembly has lift handles and can also be transported separately with four people lifting (see Figure 11).

Figure 8
Litter Ball Lok® Release Pin

Figure 9
Lift the litter off the jack actuators

Figure 10
Transport the patient

Figure 11
Transporting the base assembly

The anterior frame can be removed for patient comfort. Remove the anterior half of the ring. Remove the knurled nut at the head end and lift the frame off the post at the head end of the litter as shown in Figure 12.

Figure 12
Removing the anterior frame

APPLYING TRACTION

The Versitrack™ System is designed to provide constant cervical traction not affected by changes in momentum. The graduations are in 5 pound increments accurate within ± 2 pounds (see Figure 14). The traction force will remain constant as long as the patient does not change position on the litter relative to the traction device. The litter can be rotated freely without affecting the traction force.

Figure 13
Versitrack™ Constant Cervical Traction

Place the patient's head in the traction harness.

Attach the "S" ring on the traction device cord to the top of the traction harness as shown in Figure 13.

To apply traction, turn the force adjustment knob counterclockwise, while observing the graduated scale, until the desired amount of traction force is reached. If you need to reduce the amount of traction force after the initial setting, turn the knob back clockwise to a position 5 pounds less than the required setting and then counterclockwise to the desired setting.

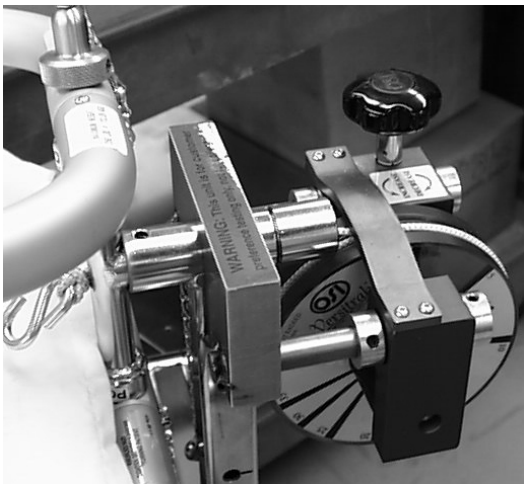


Figure 14
Traction force adjustment knob

Turning Frame Securing Instructions

Four wheel chocks are provided to support the unit in the aircraft (see Figures 15–17). They can be used to support the entire unit or under the base or litter separately. They are stored in a bag on the base assembly when not in use.

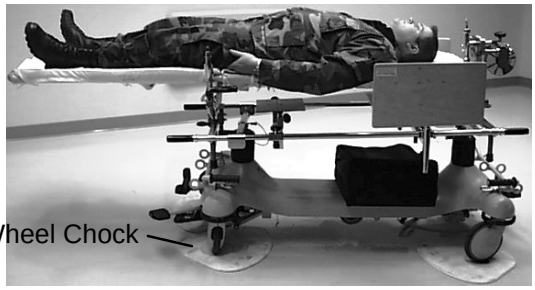


Figure 15
Entire unit in Wheel Chocks

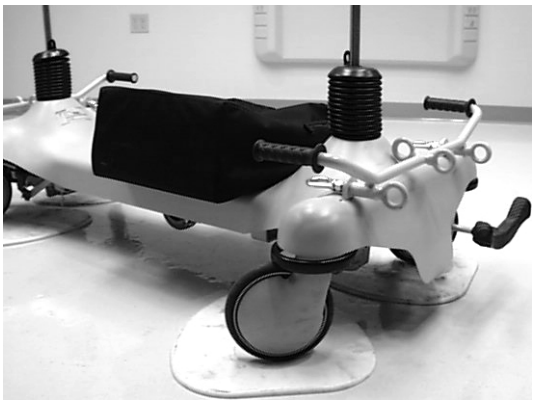


Figure 16
Base in Wheel Chocks

The **recommended** configuration for transporting a patient in an aircraft is using the complete stretcher unit (see Figure 15).
If the litter is used alone on the floor of the aircraft as shown in Figure 17, the patient can experience significant vibration.

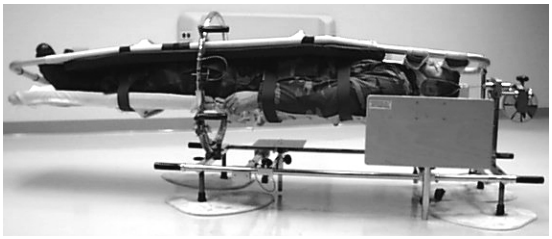


Figure 17
Litter in Wheel Chocks

When the unit is being transported in an aircraft, the litter/base securing strap must be used to hold the litter. Lower the jacks completely and fasten the strap securely around the litter frame eyebolt at the head end (see Figure 18). Gently press the foot pedal to raise the height of the litter until resistance is felt to take the slack out of the securing strap and minimize vibration of the litter.

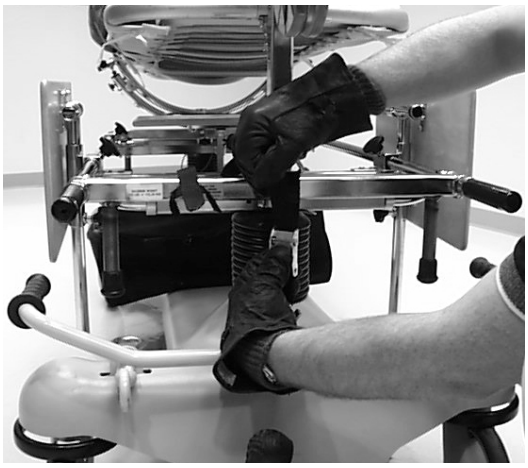


Figure 18
Litter/Base Securing Strap

Turning Frame Securing Instructions

After placing the unit in the wheel chocks inside the aircraft, use the cargo straps to secure the unit.

The complete stretcher unit can be secured in multiple configurations:

I. The stretcher can be secured by four straps from the interior eyebolts to the loops on the aircraft floor (Figure 19).

II. The stretcher can be secured using four straps from the exterior eyebolts to the aircraft floor. The recommended tie–down uses a strap from each of the two exterior eyebolts at both ends of the stretcher to one loop for each strap on the aircraft floor (Figure 20).

III. The stretcher can be secured using two straps (one at each end eyebolt) from the base lift bar to the aircraft floor.

IV. If necessary, the litter can be secured from the two end eyebolts to the aircraft floor as shown in Figure 21. However, this configuration is not recommended for patient transport due to aircraft vibration.

WARNING

If the securing method described in item IV is used, periodically monitor the patient traction to ensure patient safety and comfort.

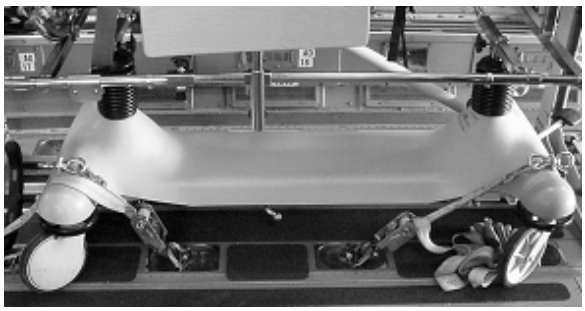


Figure 19
View of base secured with tie–down straps (without required wheel chocks)

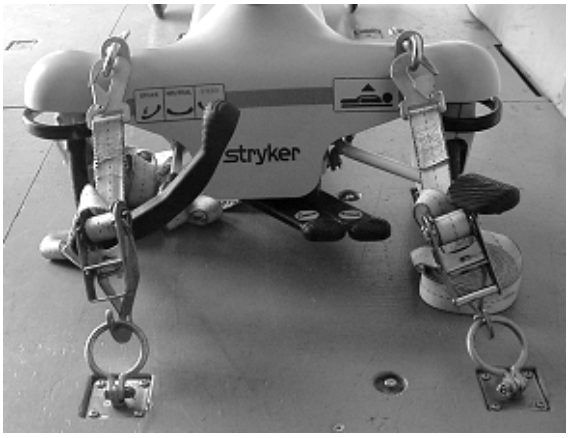


Figure 20
Foot end view of base secured with tie–down straps (without required wheel chocks)

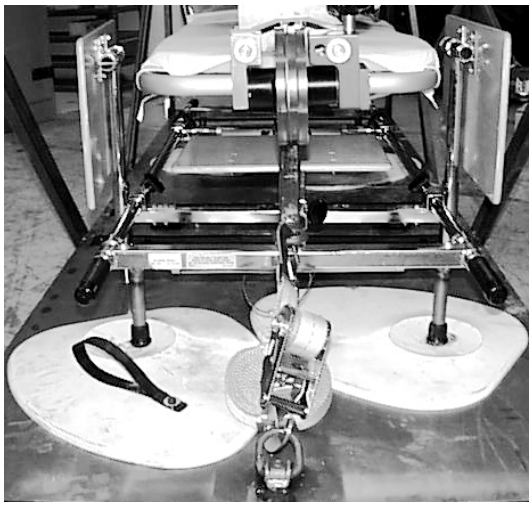


Figure 21
Foot end view of litter secured in wheel chocks with tie–down straps

Preventative Maintenance

CHECKLIST

_____ All fasteners secure (reference all assembly prints)
_____ Engage brake pedal and push on the stretcher to ensure all casters lock securely (page 25)
_____ Steer function working properly
_____ All casters secure and swivel properly
_____ Trendelenburg/Reverse Trendelenburg operating properly
_____ No rips or cracks in mattress cover
_____ Ground chain intact
_____ No leaks at hydraulic connections
_____ Hydraulic jacks holding properly (page 20)
_____ Hydraulic drop rate set properly (page 21)
_____ Hydraulic oil level sufficient (page 21)
_____ Lubricate where required, including the brake adjuster assembly and brake cam (page 25)
_____ OSI Versitrak™ traction device functioning properly (see page 26)

Serial No. _____ _____ _____
_____ _____ _____
_____ _____ _____
_____ _____ _____

Completed By:_____ Date:_____

NOTE

Preventative maintenance should be performed at a minimum of annually. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

NOTE

References to the right or left side of the stretcher refer to the right and left sides of a patient lying face up on the stretcher.

Cleaning

Hand wash all surfaces of the stretcher with warm water and mild detergent. Dry thoroughly. DO NOT STEAM CLEAN, PRESSURE WASH, HOSE OFF OR ULTRASONICALLY CLEAN. Using these methods of cleaning is **not** recommended and may void this product's warranty.

In general, when used in those concentrations recommended by the manufacturer, either phenolic type or quaternary type disinfectants can be used. Iodophor type disinfectants are not recommended for use because staining may result. The following products have been tested by the Herculite Laboratory and have been found not to have a harmful effect WHEN USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED DILUTION.*

TRADE NAME	DISINFECTANT TYPE	MANUFACTURER	*MANUFACTURER'S RECOMMENDED DILUTION
A33	Quaternary	Airwick (Professional Products Division)	2 ounces/gallon
A33 (dry)	Quaternary	Airwick (Professional Products Division)	1/2 ounce/gallon
Beaucoup	Phenolic	Huntington Laboratories	1 ounce/gallon
Blue Chip	Quaternary	S.C. Johnson	2 ounces/gallon
Elimstaph	Quaternary	Walter G. Legge	1 ounce/gallon
Franklin Phenomysan F2500	Phenolic	Purex Corporation	1 1/4 ounce/gallon
Franklin Sentinel	Quaternary	Purex Corporation	2 ounces/gallon
Galahad	Phenolic	Puritan Churchill Chemical Company	1 ounce/gallon
Hi–Tor	Quaternary	Huntington Laboratories	1/2 ounce/gallon
LPH	Phenolic	Vestal Laboratories	1/2 ounce/gallon
Matar	Phenolic	Huntington Laboratories	1/2 ounce/gallon
Omega	Quaternary	Airwick (Professional Products Division)	1/2 ounce/gallon
Quanto	Quaternary	Huntington Laboratories	1 ounce/gallon
Sanikleen	Quaternary	West Chemical Products	2 ounces/ gallon
Sanimaster II	Quaternary	Service Master	1 ounce/gallon
Vesphene	Phenolic	Vestal Laboratories	1 1/4 ounce/ gallon

Quaternary Germicidal Disinfectants, used as directed, and/or Chlorine Bleach products, typically 5.25% Sodium Hypochlorite in **dilutions ranging between 1 part bleach to 100 parts water, and 2 parts bleach to 100 parts water are not considered mild detergents. These products are corrosive in nature and may cause damage to your stretcher if used improperly.** If these types of products are used to clean Stryker patient handling equipment, measures must be taken to insure the stretchers are rinsed with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the stretchers will leave a corrosive residue on the surface of the stretcher, possibly causing premature corrosion of critical components.

NOTE
Failure to follow the above directions when using these types of cleaners may void this product's warranty.

BRAKE CAM REPLACEMENT

Brake Cam Part Number 715–201–213

Required Tools:

Phillips Screwdriver
String or Bungee Cord
3/32” Allen Wrench
1/8” Allen Wrench

Procedure:

1. Remove the four Phillips screws holding the base hood to the frame. Lift and support the base hood using string or bungee cord.
2. Using a 3/32” Allen wrench, loosen the set screw holding the brake adjuster to the brake ring and turn the adjuster clockwise to remove it.
3. Using a 1/8” Allen wrench, remove the shoulder bolt and nut holding the brake link on the cam and remove the cam.
4. Reverse steps 3 and 4 to install the new cam. Verify the brakes are operating properly. If adjustment is required, see page 25. Reinstall the base hood.

BRAKE RING REPLACEMENT

Brake Ring Part Number 715–1–61

Required Tools:

Phillips Screwdriver
String or Bungee Cord
Floor Jack, Small Crate (or equiv.)
Large Standard Screwdriver
3/32” Allen Wrench
11/16” Socket & Ratchet
5/8” Wrench
Needle–Nose Pliers
(2) 7/16” Wrenches

Procedure:

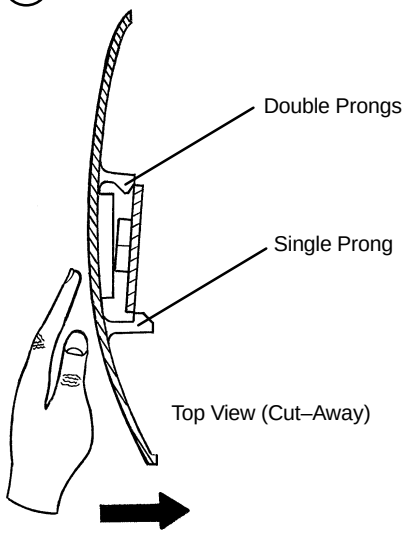
1. Remove the four Phillips screws holding the base hood to the frame. Lift and support the base hood using string or bungee cord. Put the brake/steer pedal in the neutral position. Lift the end of the base needing service until the casters are approximately 12” off the floor and support it with a jack or the equivalent.
2. Using a 3/32” Allen wrench, loosen the set screw holding the brake adjuster to the brake ring and turn the adjuster clockwise to remove it.
3. Remove the caster covers on both casters (see page 17).
4. Remove one of the casters (see page 18). On the other caster, use an 11/16” socket and ratchet and a 5/8” wrench to remove the nut and bolt holding the wheel on the caster horn and remove only the wheel.
5. Using needle–nose pliers, carefully squeeze and remove the spring between the brake cam and the brake ring.

WARNING
The spring is tightly compressed. Use caution when removing it or personal injury could result.

6. If you are working on an end control base, remove the spring from the pump pedal.
7. Lower the brake ring and remove it from the base. Remove the brake pads and bushings and install them on the new brake ring.
8. Reverse the above steps to install the new brake ring and reinstall the caster and wheel. Apply and release the brakes to verify they operate properly. If adjustment is required, see page 25. Reinstall the base hood.

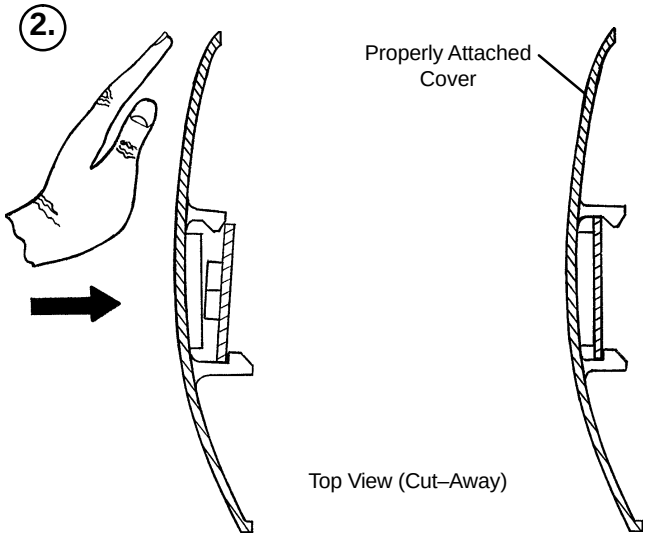
CASTER COVER INSTALLATION AND REMOVAL

1.



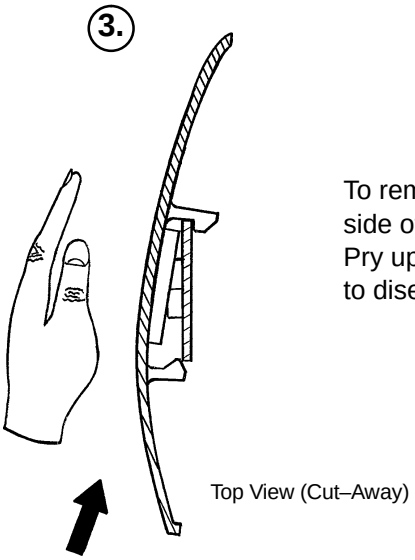
Looking through the larger of the two side cut–outs, align cover with axle nut or bolt head, as shown. Push down on the opposite side of the cover until single prong engages with caster horn.

2.



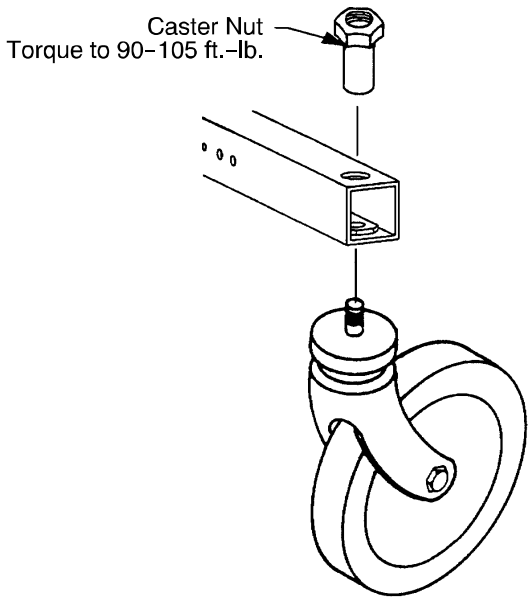
Push with palm on cover until double prongs engage.

3.



To remove wheel cover, insert large screwdriver into cut–out in side of wheel cover and into the space between the double prongs. Pry up cover to disengage double prongs and push sharply upward to disengage single prong.

CASTER ASSEMBLY REPLACEMENT



1. Remove the old caster assembly.
2. Install the replacement caster and caster nut. Tighten the caster nut to 90–105 ft.–lb. with a torque wrench.

NOTE
A new caster assembly with a 3M patch does not require the application of Loctite at assembly. However, the patch is appropriate for only one installation. If the caster is removed and reassembled for any reason, apply Loctite 242 to two or three threads of both the bolt and caster nut and tighten to 90–105 ft.–lb. with a torque wrench.

FIFTH WHEEL REPLACEMENT
(See page 35 for Fifth Wheel Base Assembly drawing)

Required Tools:

Pliers String or Bungee Cord 3/16” Allen Wrench
(2) 9/16” Box End Wrenches

Procedure:

1. Apply the stretcher brakes.
2. Pump the litter up to full height.
3. Lift and support the base hood using string or bungee cord.
4. Using pliers, remove the cotter pin from the end of the fifth wheel pivot rod and remove the two washers.
5. Pull up on the fifth wheel arm and pull down on the tension spring to release the pressure on the arm.
6. Using a 3/16” Allen wrench, remove the hex Allen bolt from the center of the pivot rod and pull the pivot rod out of the wheel arm.
7. Reverse the above steps to install a new fifth wheel assembly.

NOTE
To replace the wheel only, use two 9/16” box end wrenches to remove the bolt and nut holding it to the wheel arm.

JACK REPLACEMENT (WITHOUT COMPRESSION SPRING)

Required Tools:

3/8” Wrench 1/2” Socket 1/2” Wrench
Needle–Nosed Pliers

Replacement Procedure:

1. Apply stretcher brakes.
2. Remove the litter (see page 10)
3. With the assistance of another person, lift off the stretcher litter and set it aside, taking care not to damage the siderails, etc.
4. Push down on the jack actuator to put the jack in the full down position.
5. Lift off the plastic base hood, separating the Velcro holding it to the base frame.
6. Using a 1/2” socket and 1/2” wrench, remove the four bolts, washers and nuts holding the jack support straps to the base frame.
7. Using needle–nosed pliers, remove the two cotter keys on the pump link and remove the pump link.
8. Using a 1/2” socket and a 1/2” wrench, remove the four bolts holding the jack base to the base frame (using a 3” extension may be required). Remove the jack from the base frame.
9. Reverse steps 6–8 to install the replacement jack. Reinstall the base hood and the stretcher litter.

JACK REPLACEMENT (WITH COMPRESSION SPRING)

Required Tools:

3/8” Wrench Needle–Nosed Pliers Straight Screwdriver
Spring Compression Tool

Replacement Procedure:

1. Apply stretcher brakes.
2. Remove the litter (see page 10)
3. With the assistance of another person, lift off the stretcher litter and set it aside, taking care not to damage the siderails, etc.
4. Push down on the jack actuator to put the jack in the full down position.
5. Lift off the plastic base hood, separating the Velcro holding it to the base frame.
6. Using needle–nosed pliers, pull cotter pin from pump cylinder.
7. Using a straight screwdriver and pump spring compression tool (available upon request), compress the pump spring and pry the pump link out of the pump cylinder.

CAUTION

Be sure not to let the pump piston come out of the jack or damage may occur.

8. Remove and replace jack as described in the procedure above.
9. Replace pump spring and pump link using the straight screwdriver and the pump compression tool.
10. Reinstall the base hood and the stretcher litter.

JACK ASSEMBLY TORQUE SPECIFICATION

Jack Assembly with Threads Oiled

1. Jack Cap Assembly to Jack Actuator Cylinder	75 to 85 Foot Pounds
2. Jack Actuator Cylinder to Jack Base Assembly	55 to 65 Foot Pounds

Jack Base Assembly with Threads Oiled

1. Jack Pump Cylinder to Jack Base Machined	45 to 55 Foot Pounds
2. Jack Pin Housing to Jack Base Machined	35 to 45 Foot Pounds
3. Jack Base Plugs to Jack Base Machined	8 to 12 Foot Pounds
4. Jack Valve Plug to Jack Base Machined	8 to 12 Foot Pounds
5. Flow Control Valve to Jack Base Machined	16 to 20 Foot Pounds

HYDRAULIC TROUBLESHOOTING

PROBLEM/SYMPTOM	SOLUTION
Jack will not raise to full height.	Add hydraulic fluid (see p.21). Check for leaks.
Jack will not hold in raised position.	Close the needle valve completely. If the jack holds, replace the release valve (see p. 24).
Jack will not pump up and the jack actuator rod **does not** move.	Close the needle valve. If the jack will now pump up, replace the release valve (see p. 24). If the jack still will not pump up after closing the needle valve, replace the poppet valve (see p. 24).
Jack will not pump up but the jack actuator rod **does** move when the pump pedal is activated.	Replace the check valve (see p. 23).
Jack will not pump up and the jack actuator rod may or may not move.	Remove excess air (vacuum) in system (see below).

Contact Stryker technical support at 1–800–327–0770 for further assistance.

REMOVAL OF EXCESS AIR (VACUUM) FROM THE HYDRAULIC SYSTEM

Procedure:

1. Verify all hydraulic linkages are secure and operating properly.
2. Using pump pedal, actuate system several times. This will force the air through the system and the jack should now pump up.

CHECKING HYDRAULIC FLUID LEVEL

Required Tools:

3/8 Open End Wrench 3/4 Open End Wrench

Procedure:

WARNING

To avoid personal injury or damage to the stretcher, remove the litter and the base hood before beginning service on the jacks.

1. Using a 3/8 open end wrench, remove square head set screws from both head and foot end jack support tubes. Remove litter top and set aside.
2. Lift base hood off base frame and set aside.
3. Be sure there are no hydraulic leaks. If there are, jack replacement will be necessary.
4. Lower the jack to the full down position.
5. Using a 3/4 open end wrench, slowly turn the fill plug located on the side of the reservoir counterclockwise to allow excess system pressure to vent. Remove the fill plug.
6. The hydraulic fluid should be visible at the bottom of the fill hole. If it is not, add Mobil Aero HFA hydraulic fluid (Stryker part number 2020–70–475) until the fluid is visible at the bottom of the fill hole. Replace the fill plug.

CAUTION

Use of other types of oil may damage hydraulic units.

7. Replace the hood and the litter.

CONSTANT FLOW JACK DESCENT RATE ADJUSTMENT

Required Tools:

Bungee Cords

Adjustment Procedure:

1. Pump the litter up to full height
2. Lift the base hood, separating the hood from the base frame. Using the bungee cords, support the base hood.
3. The adjustable descent valve is located on the base of the jack and has a blue knob on the end. To adjust, loosen the silver locking ring by turning it counterclockwise. Turning the blue knob clockwise will increase the rate of litter descent. Turning it counterclockwise will decrease the rate of descent.
4. Adjust the valve so that the jack at the foot end of the stretcher will descend slightly faster than the jack at the head end.
5. Remove the bungee cords supporting the base hood and secure the hood to the base frame.

ADJUSTABLE PRESSURE COMPENSATED (P.C.) VALVE REPLACEMENT

P.C. valve part number 5050–70–50

WARNING
To avoid personal injury or damage to the stretcher, always remove the litter and the base hood before beginning service on the jacks. Lower the jack rod completely to relieve the pressure on the pump piston side of the jack.

Required Tools:

3/8” Wrench
13/16” Wrench

Replacement Procedure:

NOTE
It requires two people to safely perform this procedure.

1. Apply the stretcher brakes. Raise the litter to full up.
2. Using a 3/8” wrench, remove the bolts in the litter support tubes above the black bellows on both ends of the litter.
3. With the assistance of another person, lift the litter off the base and set it aside, taking care not to damage the leg section linkages and other litter components.
4. Push down on the jack actuator to put the jack in the full down position.
5. Lift off the plastic base hood, separating the Velcro holding it to the base frame.
6. Using a 13/16” wrench, remove the adjustable P.C. valve (see page 39 for part reference).
7. Check for any contaminants in the valve as well as in the jack base.
8. Install the replacement P.C. valve. Moisten the O–ring seal with hydraulic fluid to ensure a tight seal.
9. Tighten the valve manually and then an additional 1/8–1/4 turn with a 13/16” wrench. **Do not over –tighten** or damage may occur to the O–ring seal.
10. Pump up the jack to maximum height and press the release pedal to lower it to check the jack’s operation.
11. Check for any hydraulic fluid leaks before replacing the base hood and litter.

NOTE
The jack descent rate was preset at the factory to lower the foot end 3–7 seconds faster than the head. It is recommended to have the foot end lower faster to avoid patient disorientation.

HYDRAULIC CHECK VALVE REPLACEMENT

Required Tools:

3/8 Open End Wrench	Stiff Wire (with bent, pointed end)	Small Needle Nose Pliers
3/4 Open End Wrench	Torque Wrench (with Ft. Lbs. adjust.)	7/32 Hex Allen Wrench

Replacement of Check Valve

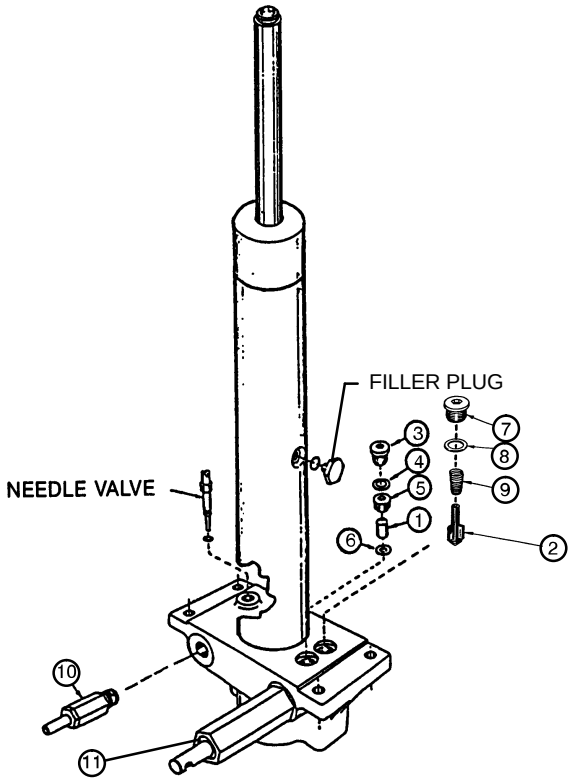
WARNING

To avoid personal injury or damage to the stretcher, remove the litter and the base hood before beginning service on the jacks. Lower the jack rod completely to relieve the pressure on the pump piston side of the jack. This will prevent large hydraulic fluid loss and possible damage when the base plugs are removed.

1. Remove the base plug (3) and the seal (4).
2. Remove the valve plug (5).
3. Using a stiff wire with a bent, pointed end, remove the valve (1).
4. Install the new valve (1) with the beveled end up (as shown in the illustration).
5. Reinstall the valve plug (5) with the beveled end down toward valve (1) and tighten to 10 foot–pounds torque.
6. Reinstall the seal (4) and the base plug (3) and tighten to 10 foot–pounds torque.
7. Pump up the jack to the maximum height.
8. Be sure there are no hydraulic leaks before replacing the base hood and the litter.

ITEM	PART NO.	PART NAME
1	926–20–153	Check Valve
2	715–1–341	Poppet
3	715–1–301	Base Plug
4	926–20–156	Seal
5	715–1–309	Valve Plug
6	926–20–154	Seal
7	715–1–301	Base Plug
8	926–20–156	Seal
9	390–2–134	Con. Comp. Spring
10	2025–700–26	Valve Assembly*
11	715–100–325	Pump Piston

* Used on jack part number 965–300–355. (See label on side of jack reservoir for jack part number).



HYDRAULIC CHECK VALVE REPLACEMENT (CONTINUED)

Replacement of Release Valve

WARNING

To avoid personal injury or damage to the stretcher, remove the litter and the base hood before beginning service on the jacks. Lower the jack rod completely to relieve the pressure on the pump piston side of the jack. This will prevent large hydraulic fluid loss and possible damage when the base plugs are removed.

1. Remove the release valve (10).
2. Install the new release valve (10).
3. Pump up the jack to the maximum height.
4. Be sure there are no hydraulic leaks before replacing the base hood and the litter.

Replacement of Poppet Valve

WARNING

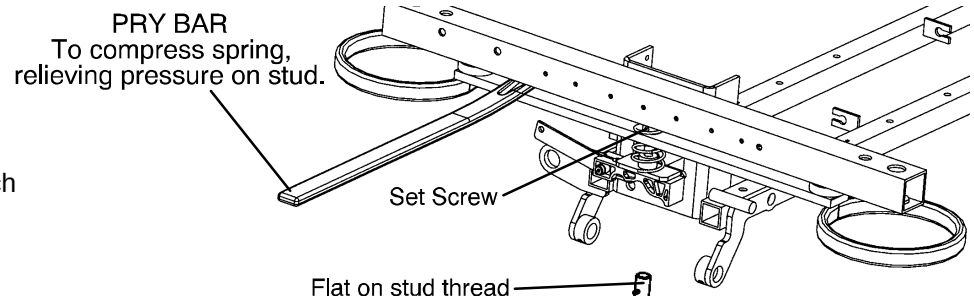
To avoid personal injury or damage to the stretcher, remove the litter and the base hood before beginning service on the jacks. Lower the jack rod completely to relieve the pressure on the pump piston side of the jack. This will prevent large hydraulic fluid loss and possible damage when the base plugs are removed.

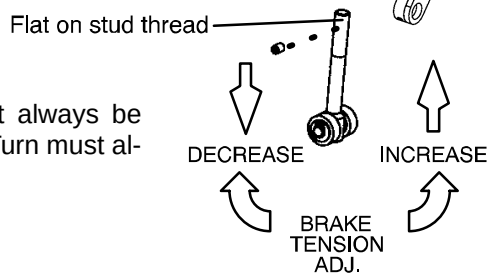
1. Remove the base plug (7) and the seal (8).
2. Remove the compression spring (9).
3. Using small needle nose pliers, remove the poppet valve (2).
4. Install the new poppet valve (2).
5. Reinstall the compression spring (9).
6. Reinstall the seal (8) and the base plug (7) and tighten to 10 foot–pounds torque.
7. Pump up the jack to the maximum height to check its operation.
8. Check for hydraulic leaks before replacing the base hood and the litter.

BRAKE ADJUSTMENT

Required Tools:

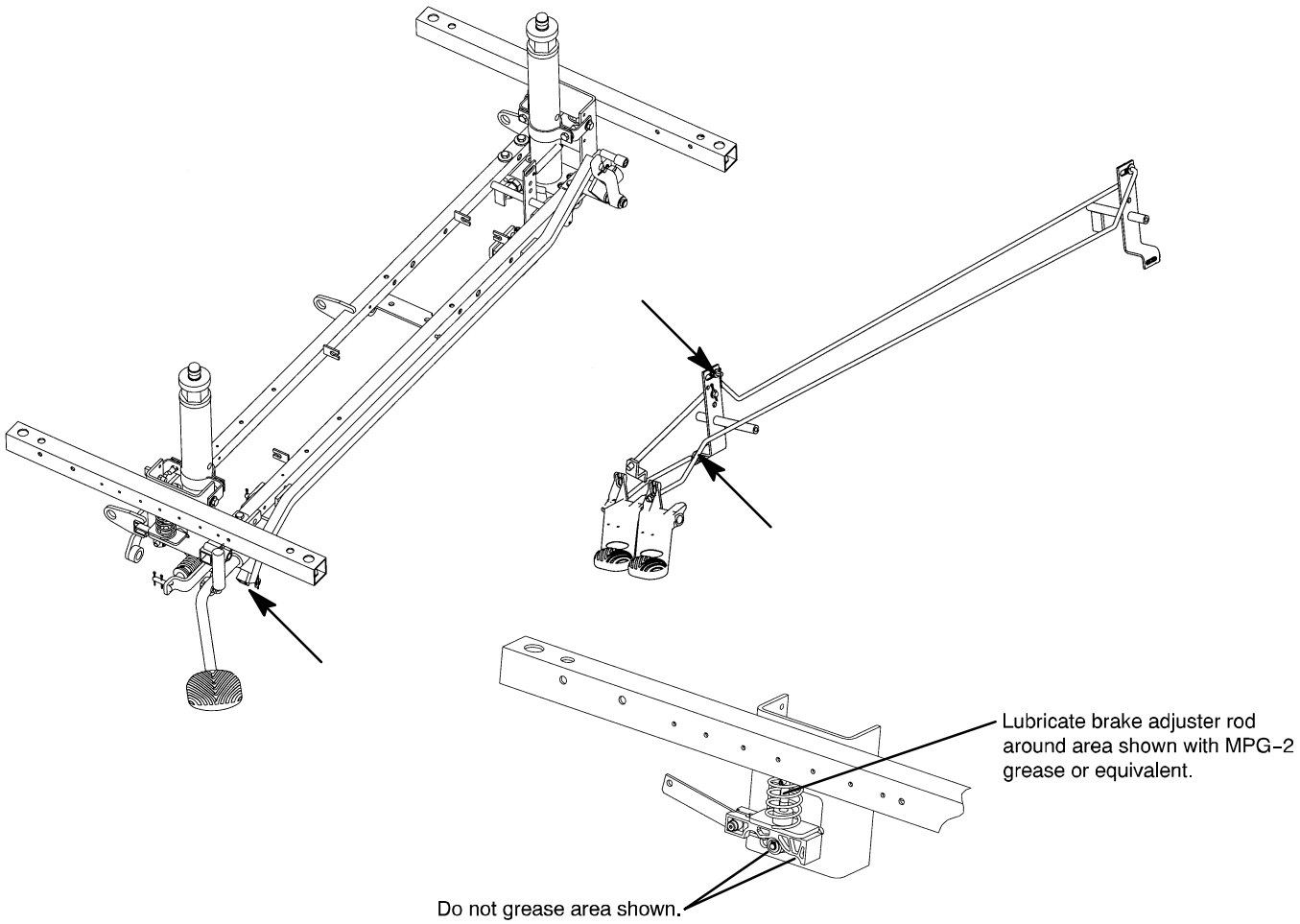
3/32” Hex Allen Wrench
Pry Bar
Thread ”Locktite”





Flat on thread of stud must always be aligned with the set screw. Turn must always be full circle only.

BASE LUBRICATION



CHECKING THE VERSITRAK™ TRACTION DEVICE

Hook on traction device attached to traction force gauge

Hook attached to sheet protector

1. Attach the traction force gauge (TFG) to the hook on the Versitrak™ and the cable on other end of the traction device to the sheet protector on the ring assembly.
2. Verify the traction force setting indicated by the arrow on the Versitrak™ matches the number shown on the TFG.
3. If the number on the Versitrak™ varies from the number on the TFG by more than ± 2 pounds, the entire traction device must be removed and returned for repair/replacement.

To remove the Versitrak™ from the litter (reference the litter top assembly drawing on page 45):

1. Loosen the set screws in the outside collars and remove the collars from the swivel bracket assembly.

CAUTION

Do not loosen the set screws in the inner collars on the swivel bracket assembly. The Versitrak™ may become misaligned if the collars are moved.

2. Detach the “S” hook from the traction cable.
3. Slide the Versitrak™ off the swivel bracket assembly.
4. Replace the collars and tighten the set screws after removing the Versitrak™.

To return the Versitrak™ for repair/replacement:

1. Call the Stryker Medical Customer Service department at (800) 327–0770.
2. The Stryker Customer Service department will issue a service ship–to address and return authorization number.
3. When returning the device for service, the customer **must** include verification that the device has been sanitized. If this verification is not provided, the customer will be charged a fee.
4. When repair/replacement is complete, the unit will be returned directly to the return address of the customer.

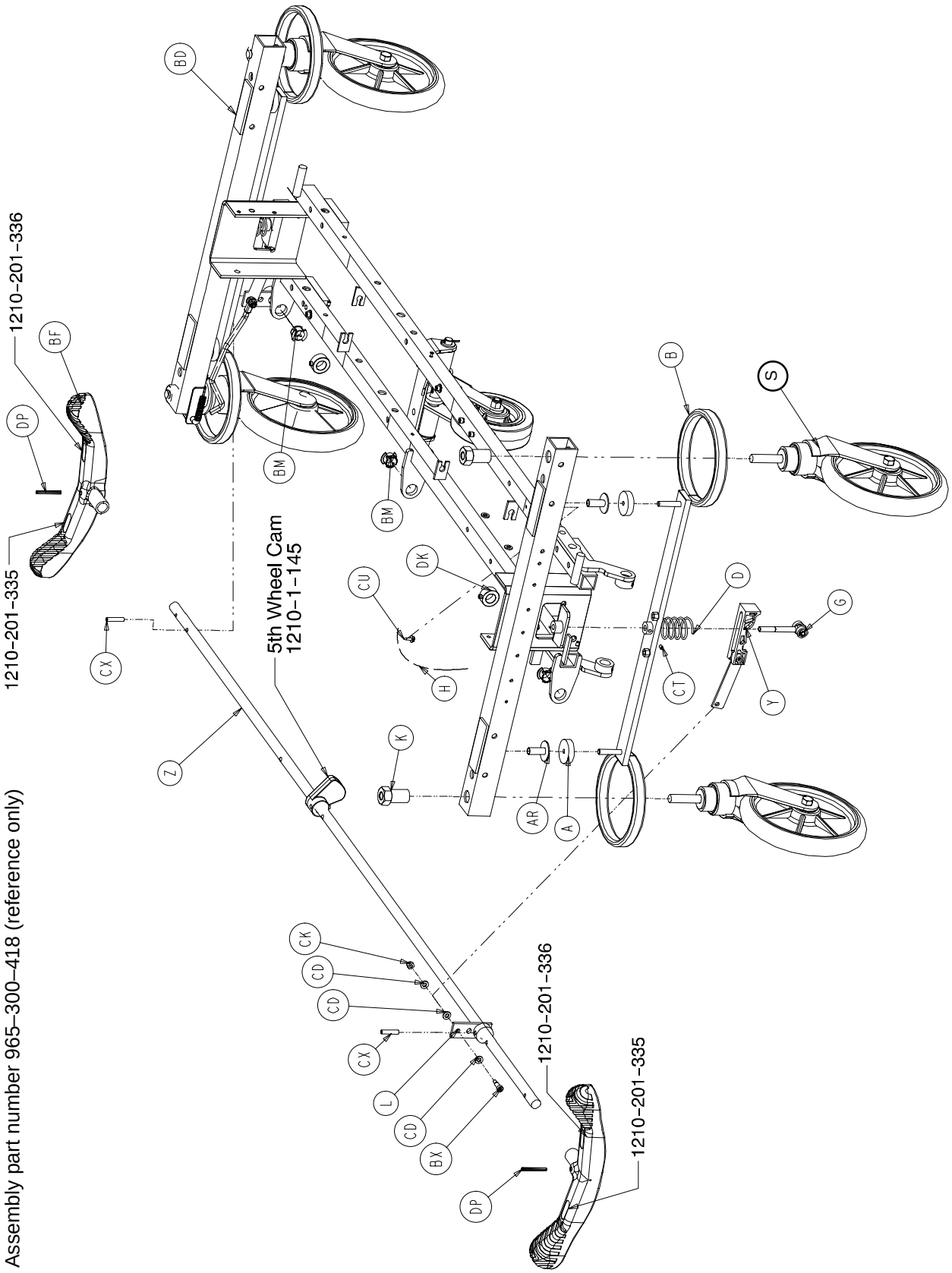
Replacement Parts and Accessories

PART NAME	PART NUMBER
Brake Adjuster	715–201–150
Brake Adjuster Service Tool	715–700–150
Brake Ring Assembly	715–1–61
Canvas, Anterior Frame	460–5–115
Canvas, Posterior Frame	125–4–5
Head Support Band	100–5–8
Head Support Band Evertaut	38–1
Jack Assembly	965–300–355
Jack Pump Piston Assembly	715–100–425
Jack Release Valve Assembly	2025–700–26
Knurled Nut w/Chain	460–4–165
Mattress, Anterior	460–5–121
Mattress Plastic Cover Set	125–28
Mattress, Posterior, 3–Piece	125–4–8
Mattress w/Vinyl Cover, Anterior	965–1–24
Pin Assembly, Locking, w/Chain	124–1–23
Restraint Straps, Frame, One Piece w/Buckle (2)	125–12
Restraint Strap, Body, Two–Piece	390–19
Sheet, Anterior	460–5–118
Sheet Set, Anterior/Posterior	125–27
Sheet Set, Posterior, 3 Piece	125–4–11
Sheet Protector	124–18–1
Spring (45 Required)	38–4
Strap, Tie–Down	965–300–386
Traction Force Gauge	965–300–399
Wheel Chock	965–300–429
Wheel Chock Storage Bag	965–300–380

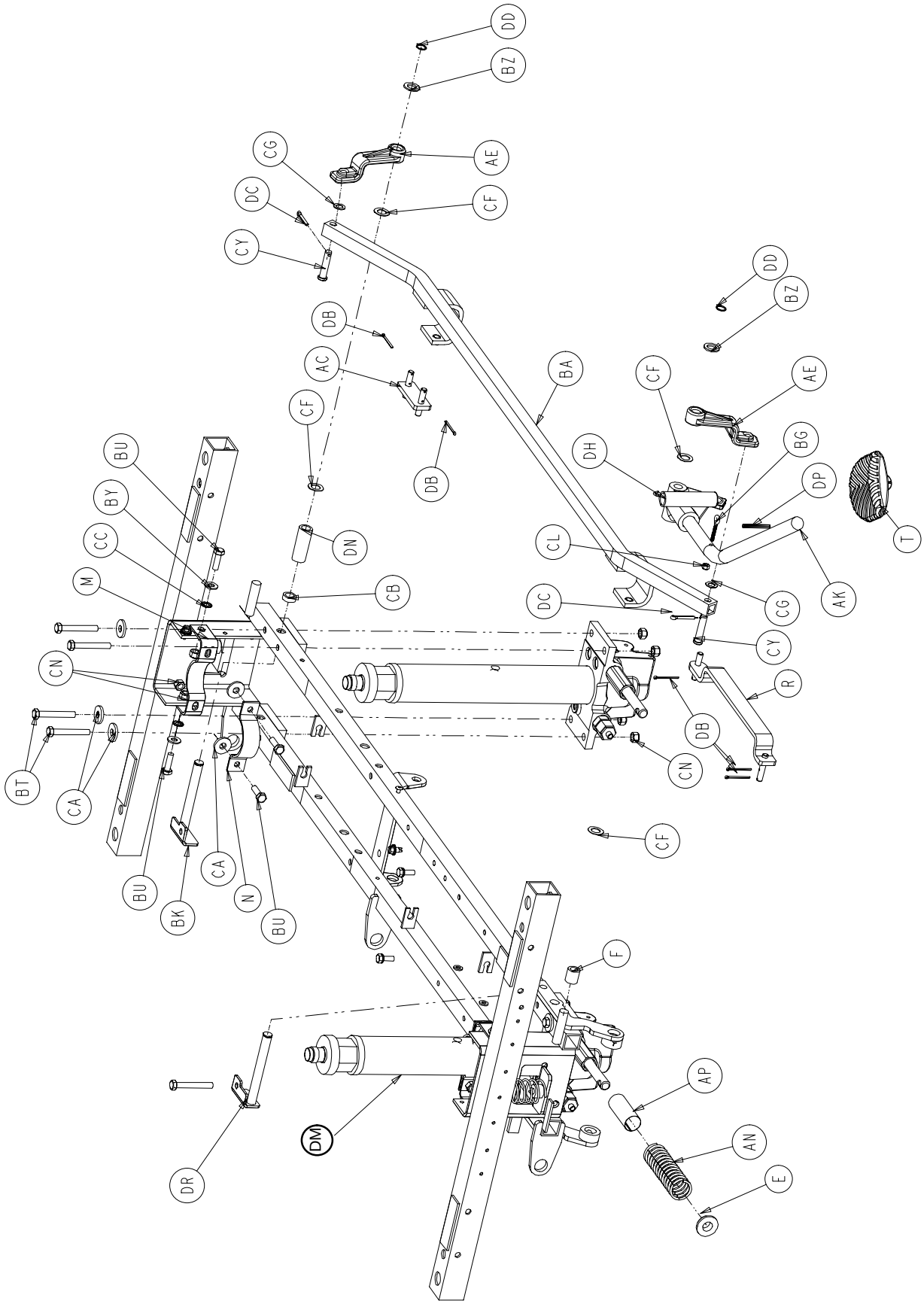
NOTE

The parts listed on this page are all currently available for purchase. Some of the parts identified on the assembly drawing pages in this manual may not be individually available for purchase. Please call Stryker Customer Service at 1–800–327–0770 for availability and pricing.

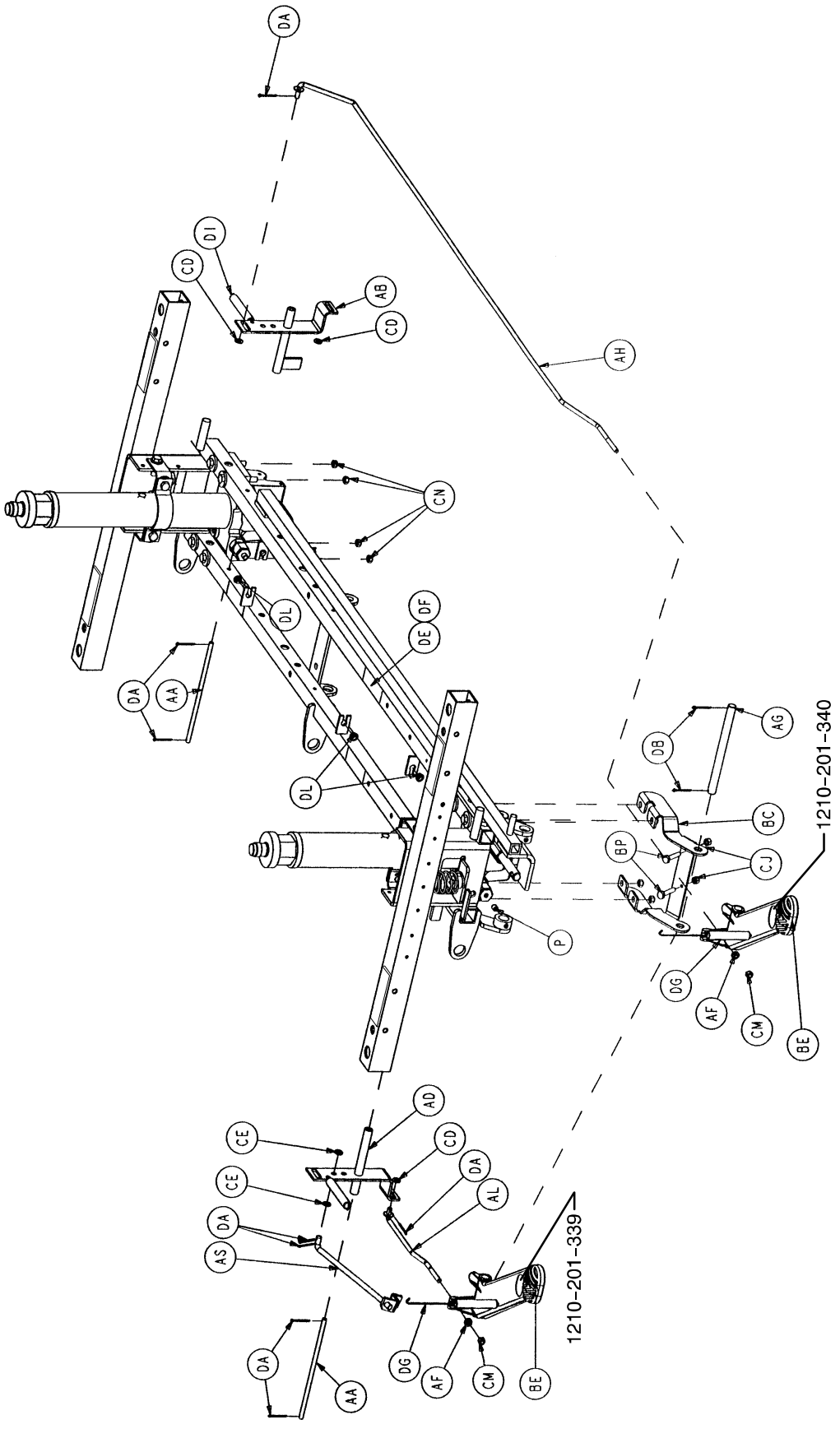
Base Assembly



Base Assembly



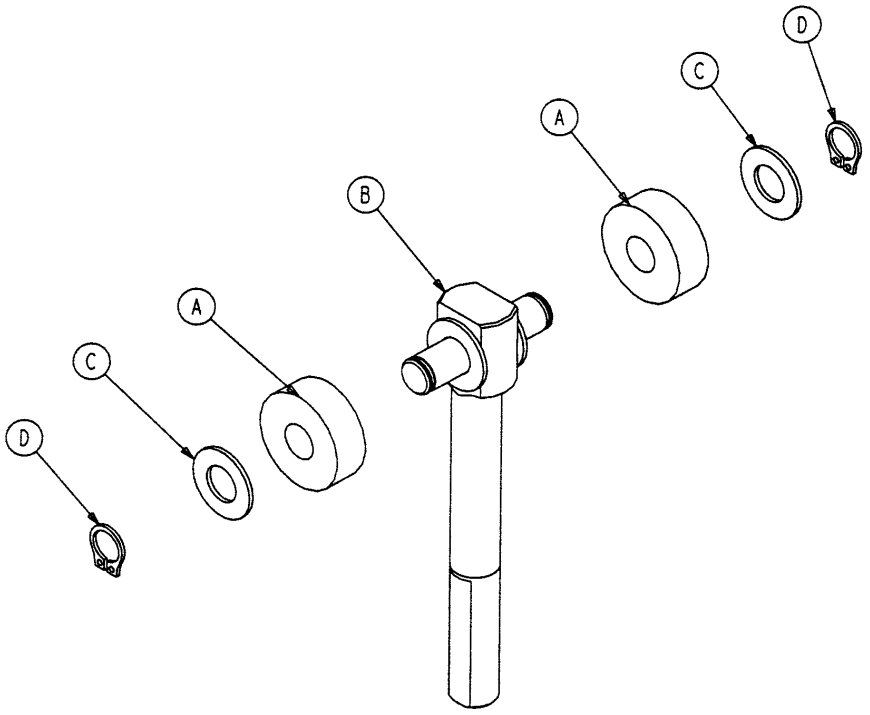
Base Assembly



Base Assembly

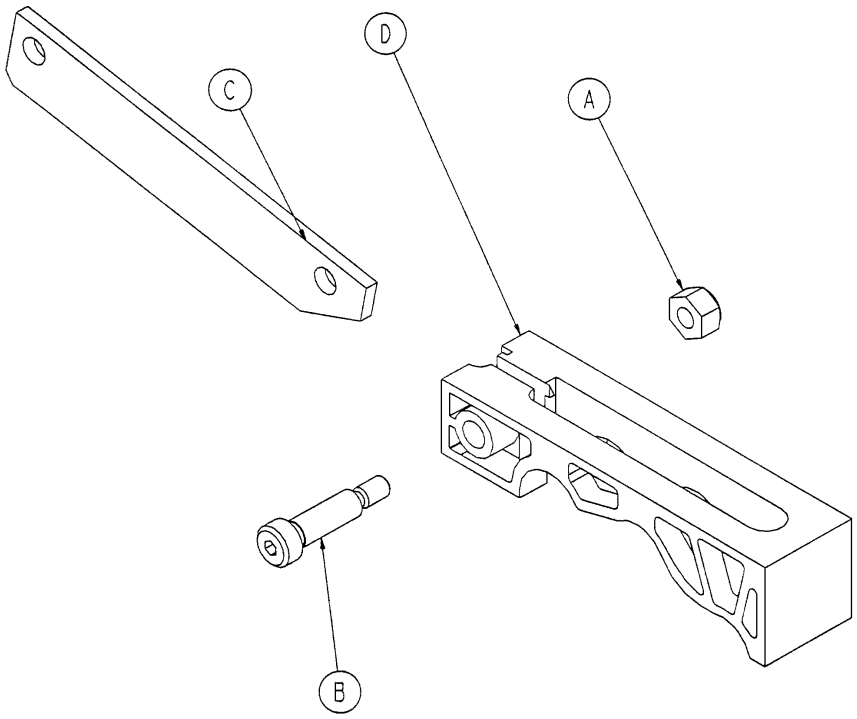
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	715–1–11	Brake Cushion	4	BM	1210–201–251	Insert	3
B	715–1–61	Caster Brake Ring	2	BP	3–3	Hex Cap Screw	2
D	715–201–94	Compression Spring	2	BT	3–62	Hex Hd. Cap Screw	8
E	715–1–133	Collar	2	BU	3–85	Hex Hd. Cap Screw	8
F	715–1–140	Vinyl Tube	1	BX	8–17	Shoulder Bolt	2
G	(page 32)	Brake Adjuster	2	BY	11–3	Washer	4
H	715–1–156	Ground Chain	1	BZ	11–13	Washer	2
K	715–1–158	Caster Nut	4	CA	11–262	Washer	10
L	715–1–165	Actuator Plate Weldment	2	CB	11–350	Spacer Washer	1
M	715–1–192	Jack Support	2	CC	13–38	Ext. Tooth Lock Washer	4
N	715–1–193	Jack Support Clamp	2	CD	14–2	Washer	9
P	715–1–333	Release Rod Stop Sleeve	2	CE	14–3	Washer	2
R	716–1–109	Head End Pump Link	1	CF	14–7	Washer	4
S	(page 34)	Caster Assembly	4	CG	14–9	Washer	2
T	715–201–126	Slip–On Pump Pedal	1	CJ	15–11	Hex Nut	2
Y	(page 33)	Brake Cam Assembly	2	CK	16–2	Hex Nut	2
Z	715–201–230	Brake Bar	1	CL	16–14	Nylock Nut	1
AA	716–1–15	Release Pivot Bar	2	CM	16–102	Hex Nut	2
AB	716–1–52	Pivot Assembly, Foot End	1	CN	16–36	Hex Nut	12
AC	716–1–102	Pump Link Weldment, Ft.	1	CT	21–151	Set Screw	2
AD	716–1–119	Pivot Assembly, Head End	1	CU	23–25	Self–Tapping Screw	1
AE	716–201–281	Pump Idler Link	2	CX	26–13	Spring Pin	2
AF	716–1–286	Release Ball Spacer	2	CY	26–195	Clevis Pin	2
AG	716–201–61	Release Pedal Pivot Rod	1	DA	27–4	Cotter Pin	7
AH	716–201–70	Long Release Rod	1	DB	27–3	Cotter Pin	7
AK	965–300–357	Pump Pedal	1	DC	27–16	Cotter Pin	2
AL	716–201–74	Release Rod	1	DD	28–97	Ext. Tooth Retaining Ring	2
AN	763–1–15	Jack Spring	1	DE	29–7	Dual Lock	3
AP	763–1–16	Spring Holder	1	DF	29–9	Dual Lock	3
AR	946–1–116	Brake Bar Bushing	4	DG	38–235	Desc. Pedal Return Spring	2
AS	1210–1–112	Rel. Rod, Head End, Lt.	1	DH	38–251	Pump Return Spring	2
BA	1210–201–27	Pump Connecting Rod	1	DI	38–326	Extension Spring	2
BC	1210–201–111	End Release Pedal Brkt.	1	DK	42–20	Collar	2
BD	965–300–417	Base Frame Weldment	1	DL	52–245	Nyliner	4
BE	1210–201–154	Head Rel. Pedal, Offset, Rt.	2	DM	(page 38)	Jack Assembly	2
BF	1210–201–153	Butterfly “V” Pedal	2	DN	1210–1–44	Pump Spacer	1
BG	1210–201–551	Eye Bolt	1	DP	26–143	Groove Pin	3
BK	1210–201–201	Pivot Pin Bracket, Foot End	1	DR	1210–201–200	Pivot Pin Bracket, Hd. End	1

715–201–150 Brake Adjuster Assembly



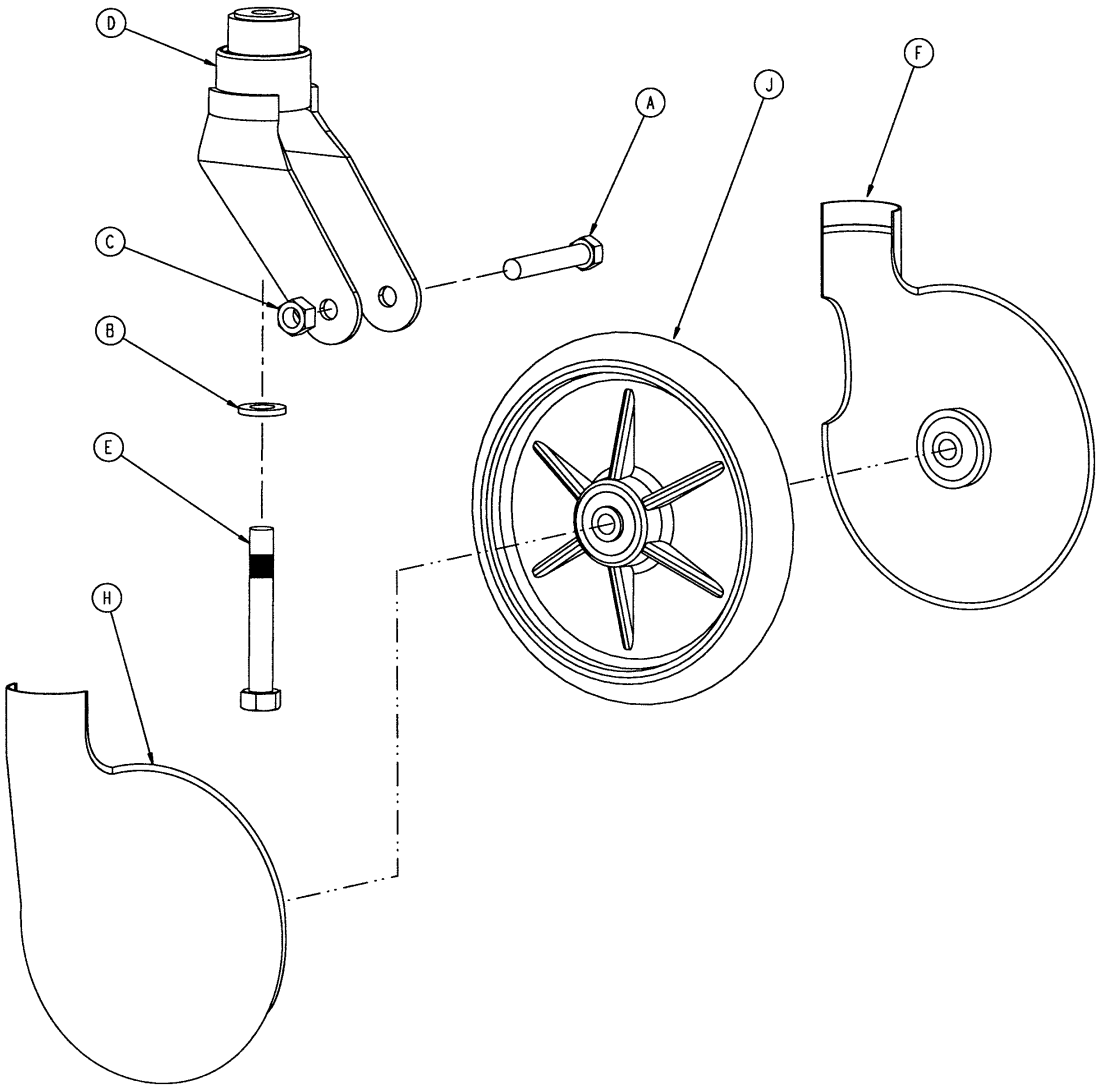
Item	Part No.	Part Name	Qty.
A	715–1–180	Cam Bearing	2
B	715–201–62	Threaded Stud Assembly	1
C	14–4	Nylon Washer	4
D	28–8	External Retaining Ring	2

715–201–213 Brake Cam Assembly



Item	Part No.	Part Name	Qty.
A	16–59	Hex Nut	1
B	8–21	Soc. Hd. Shoulder Screw	1
C	715–201–173	Brake Connecting Link	1
D	715–301–221	Brake Cam	1

Standard Caster Assembly



Item	Part No.	Part Name	Qty.
A	3–99	Hex Hd. Cap Screw	1
B	11–310	Washer	1
C	16–60	Hex Nut	1
D	715–2–16	Horn Assembly	1
E	715–3–96	Hex Hd. Cap Screw	1
F	715–1–265	Wheel Cover, Right	1
H	715–1–266	Wheel Cover, Left	1
J	715–2–25	Wheel	1
	715–1–158	Caster Nut (not shown)	1

p/n 715–259–400 – Kit to replace 4 standard caster assemblies with hardware – no caster covers.

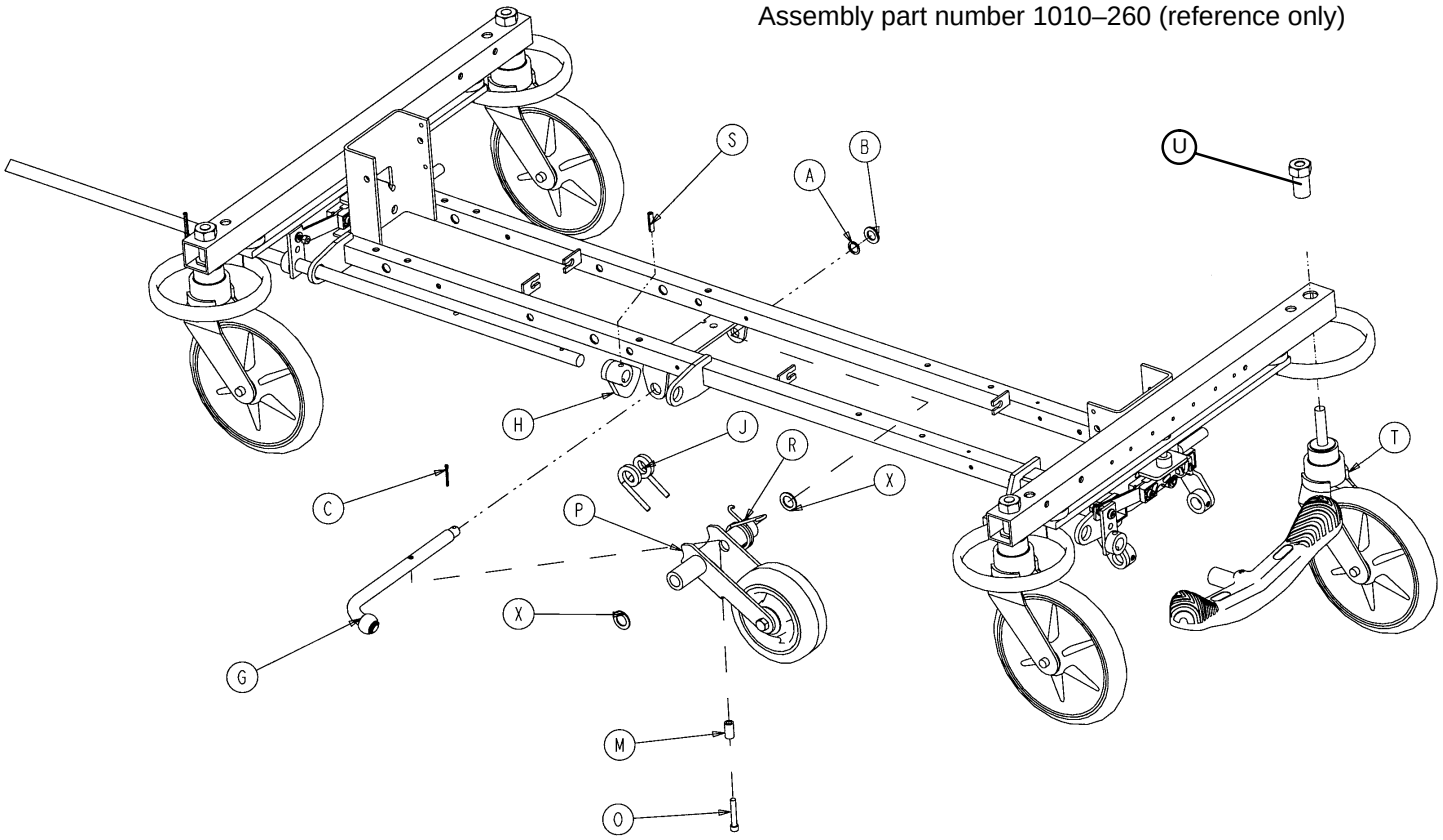
p/n 715–269–400 – Kit to replace 3 standard caster assemblies and 1 steerlock caster with hardware – no caster covers.

p/n 715–259–100 – Kit to replace 1 standard caster assembly with hardware – no caster covers.

p/n 1010–56–200 – Kit to replace both caster covers on all four wheels.

1010–26–10 Base Assembly with Fifth Wheel

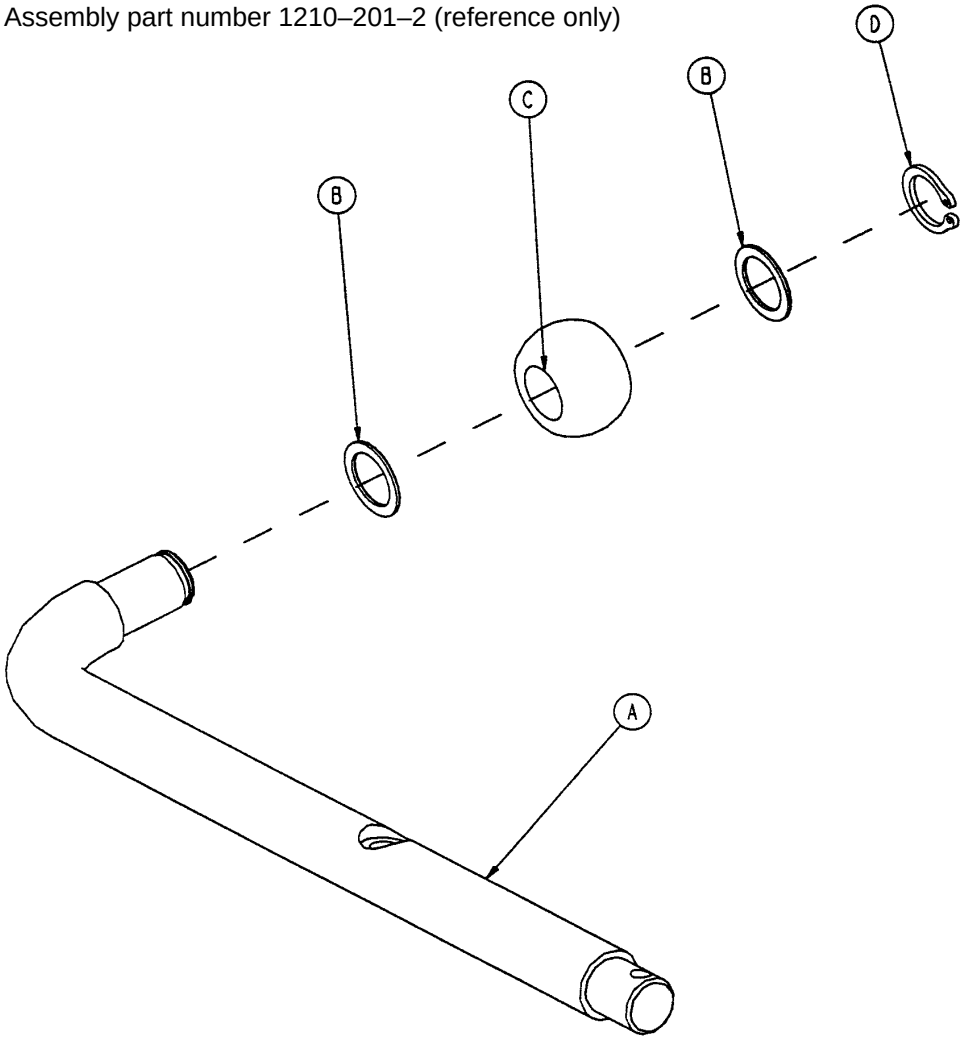
Assembly part number 1010–260 (reference only)



Item	Part No.	Part Name	Qty.
A	14–79	Nylon Washer	1
B	11–13	Washer	1
C	27–16	Cotter Pin	1
G	(page 36)	Pivot Rod Assembly	1
H	1210–1–145	Cam	1
J	1210–1–148	Torsion Spring	1
M	1210–201–149	Spring Spacer	1
O	4–10	Bolt	1
P	(page 37)	Wheel Arm Assembly	1
R	1210–1–146	Torsion Spring	1
S	26–35	Roll Pin	1
T	(page 34)	Caster Assembly	4
U	715–1–158	Caster Nut	4
X	14–80	Nylon Washer	2

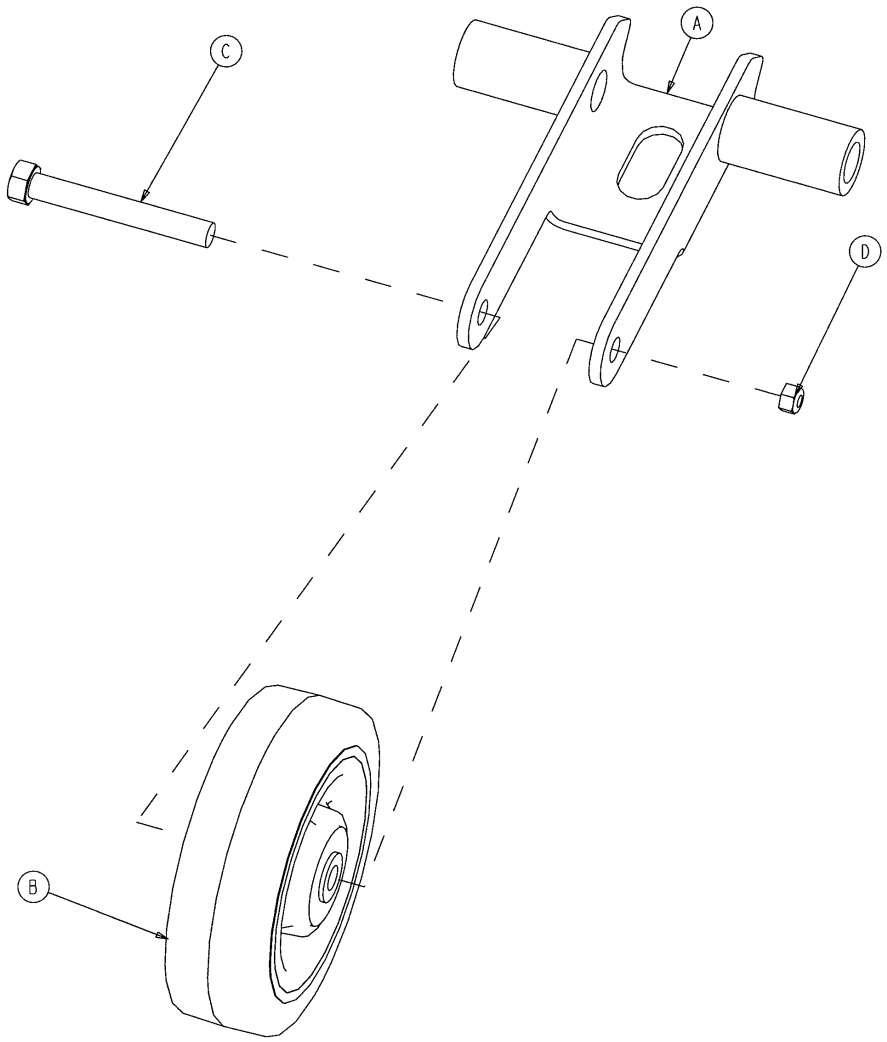
Pivot Rod Assembly

Assembly part number 1210–201–2 (reference only)



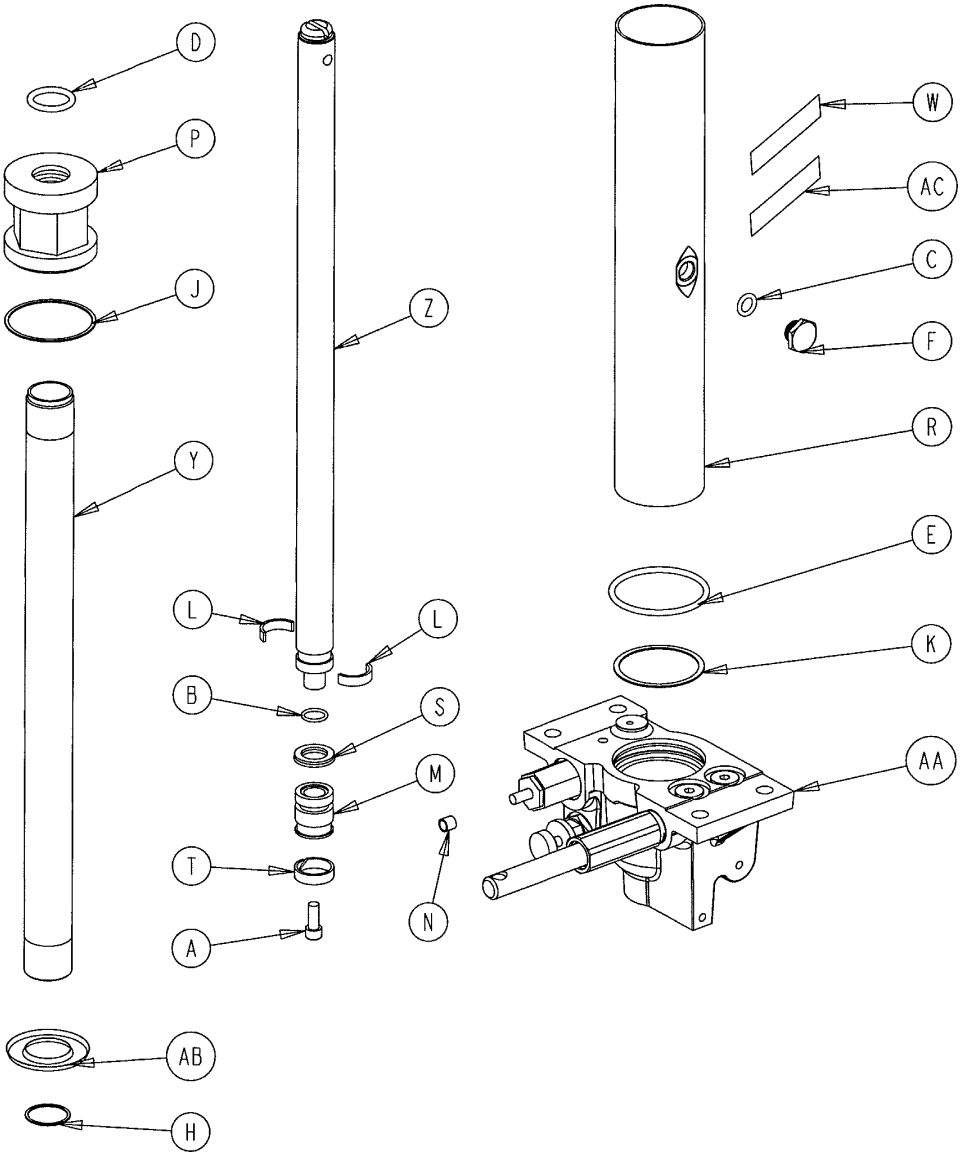
Item	Part No.	Part Name	Qty.
A	1210–1–143	Pivot Rod	1
B	14–79	Nylon Washer	2
C	1210–1–144	Roller	1
D	28–131	Snap Ring	1
E	27–16	Cotter Pin	1

715–201–125 Wheel Arm Assembly



Item	Part No.	Part Name	Qty.
A	1210–201–553	Wheel Arm	1
B	1210–1–147	Fifth Wheel	1
C	3–31	Hex Hd. Cap Screw	1
D	16–35	Nylock Nut	1

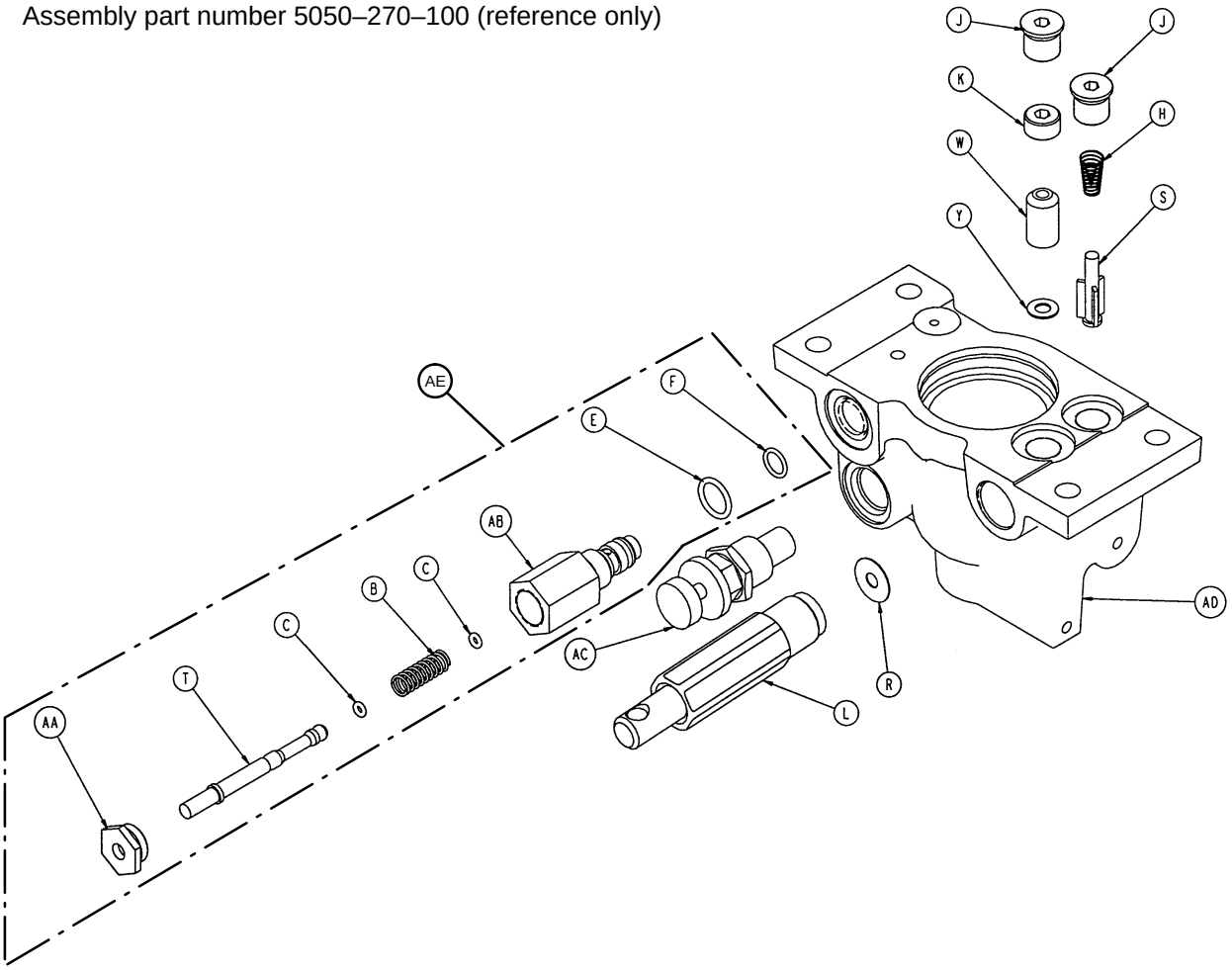
965–300–355 Constant Flow Jack Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	4–14	Soc. Hd. Cap Screw	1	N	715–1–333	Rel. Rod Stop Sleeve	1
B	45–14	O–Ring	1	P	715–1–340	Jack Cap Assembly	1
C	45–110	O–Ring	1	R	715–1–422	Reservoir	1
D	45–904	O–Ring	1	S	926–20–161	Parker Packing	1
E	45–978	O–Ring	1	T	926–20–162	Wear Ring	1
F	388–100–38	Plug	1	W	965–300–448	Label	1
H	390–1–238	Actuator Gasket	1	Y	715–1–323	Actuator Cylinder	1
J	390–1–243	Gasket	1	Z	965–300–367	Actuator Rod	1
K	390–1–244	Base Gasket	1	AA	(page 39)	Jack Base Ass'y	1
L	390–2–139	Retaining Ring	2	AB	715–1–320	Jack Screen	1
M	715–1–331	Piston End	1	AC	921–1–252	Serial Number Label	1

Constant Flow Jack Base Assembly

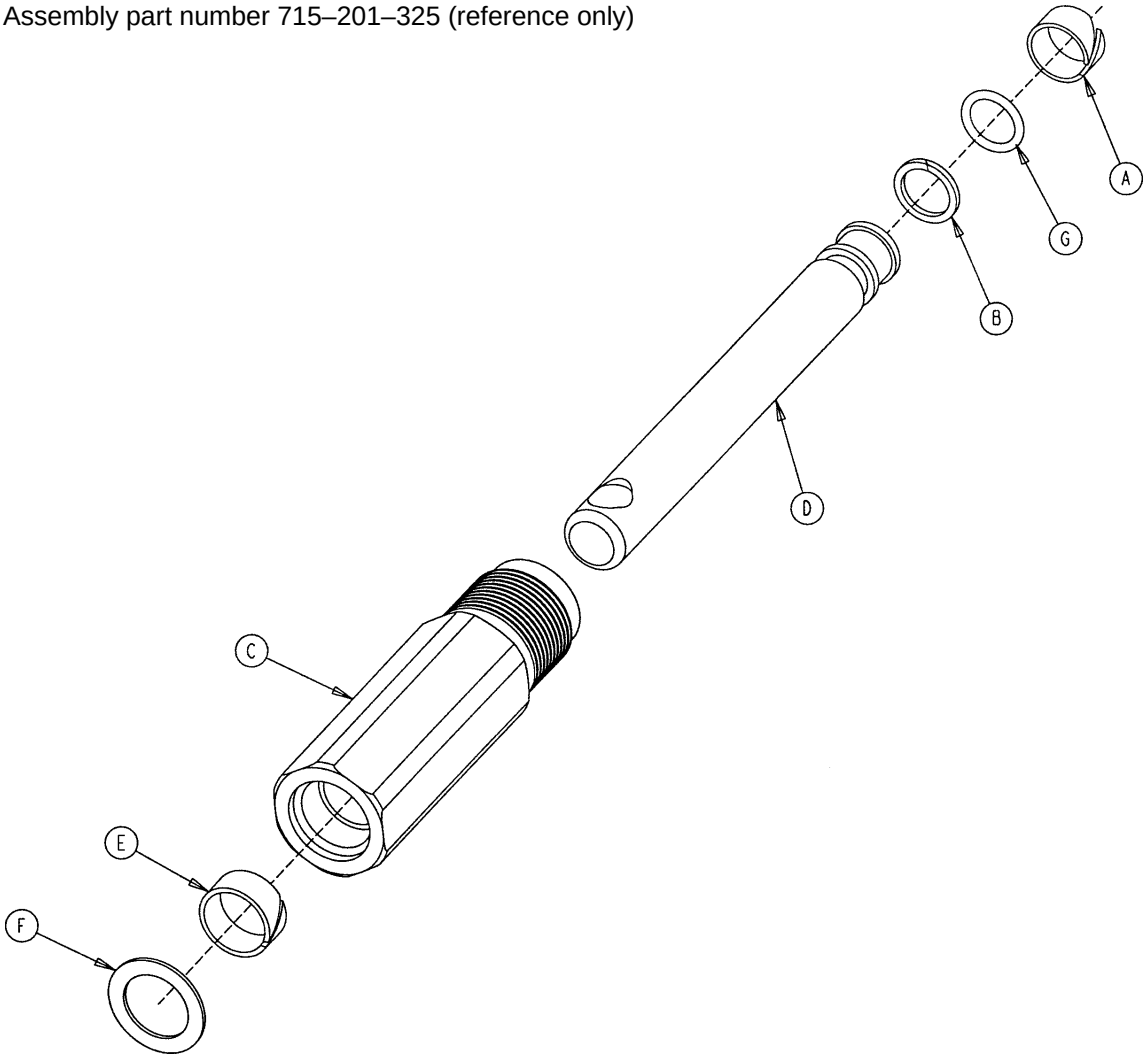
Assembly part number 5050–270–100 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No,	Part Name	Qty.
B	38–311	Compression Spring	1	S	715–1–341	Poppet	1
C	45–6	O–Ring	2	T	715–270–1	Pin	1
E	45–966	O–Ring	1	W	926–20–153	Check Valve	1
F	45–967	O–Ring	1	Y	926–20–154	Seal	1
H	390–2–134	Conical Comp. Spring	1	AA	1210–70–13	Base Plug	1
J	48–147	Base Plug	2	AB	2025–75–87	Pin Housing	1
K	715–1–309	Valve Plug	1	AC	5050–70–50	Adj. P.C. Valve Cartridge	1
L	(page 40)	Pump Piston Assembly	1	AD	5050–370–110	Jack Base	1
R	715–1–329	Pump Seal	1	AE	2025–700–26	Relief Valve Assembly	1

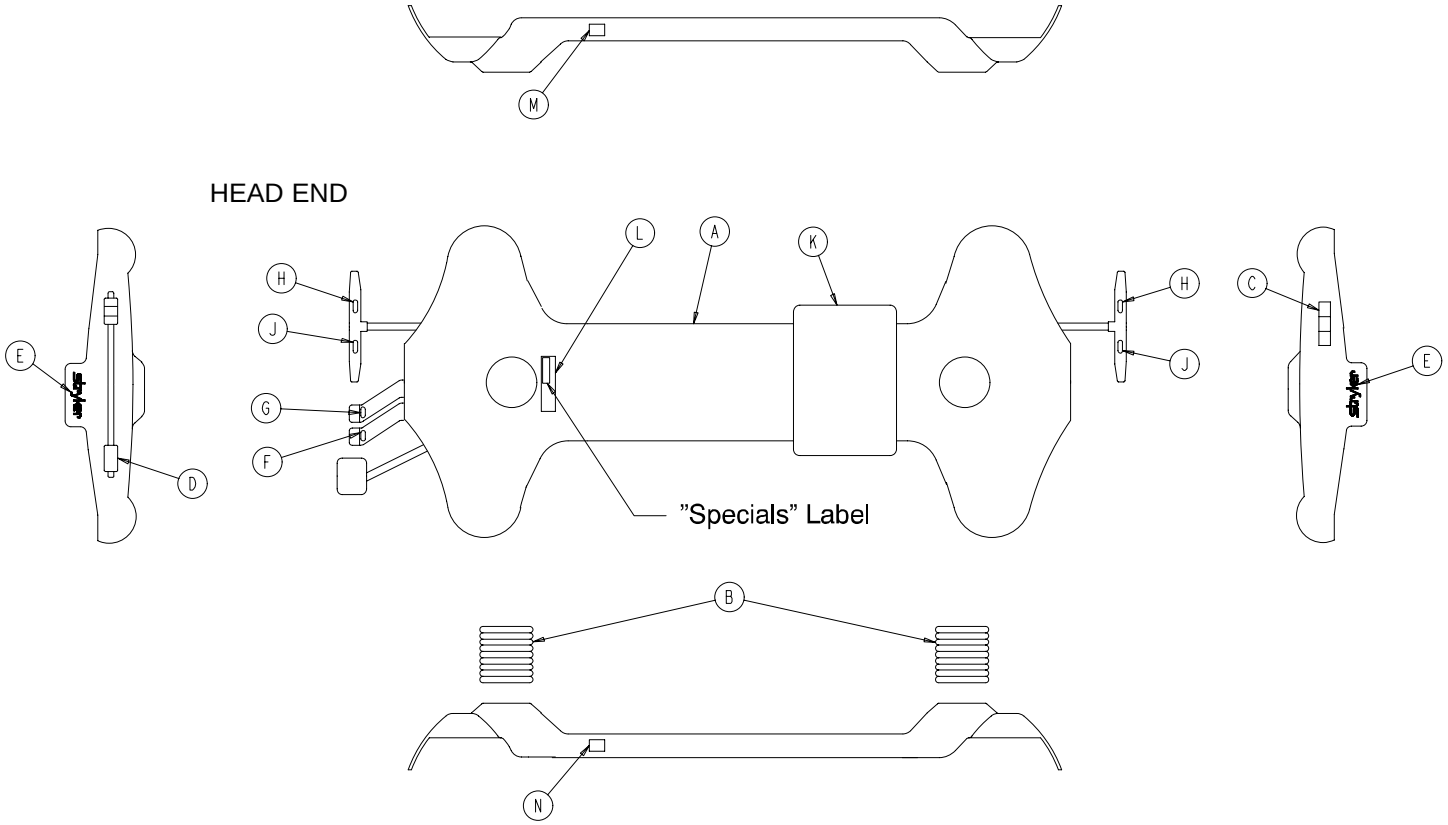
715–100–425 Jack Pump Piston Assembly

Assembly part number 715–201–325 (reference only)



Item	Part No.	Part Name	Qty.
A	715–1–328	Piston Wear Ring	1
B	715–1–400	O–Ring Back Up	1
C	715–200–316	Pump Cylinder	1
D	715–201–318	Pump Piston	1
E	715–201–327	Cylinder Wear Ring	1
F	14–50	Bearing Retainer	1
G	45–110	O–Ring	1
	715–1–329	Pump Seal (not shown)	1

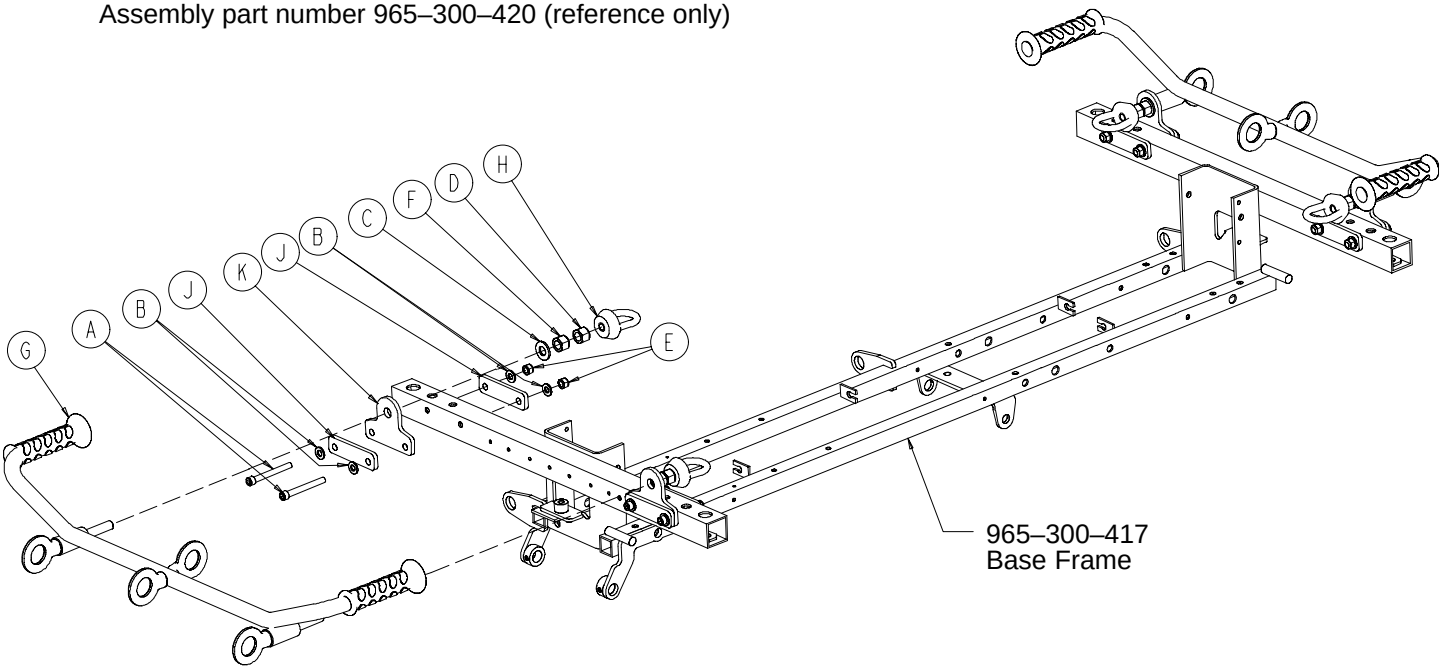
Base Labeling Assembly



Item	Part No.	Part Name	Qty.
A	965–300–370	Hood	1
B	715–1–134	Bellows	2
C	1001–700–144	Brake/Steer Label, Foot	1
D	1001–800–141	Head End Control Label	1
E	946–201–60	Stryker Logo Label	2
F	1210–201–340	Foot Down Label, Head End	1
G	1210–201–339	Head Down Label, Head End	1
H	1210–201–335	Brake Label	2
J	1210–201–336	Steer Label	2
K	965–300–380	Wheel Chock Pad Bag	1
L	965–201–250	Serial No./Date Label	1
M	965–300–442	Head End Label, Left	1
N	965–300–443	Head End Label, Right	1

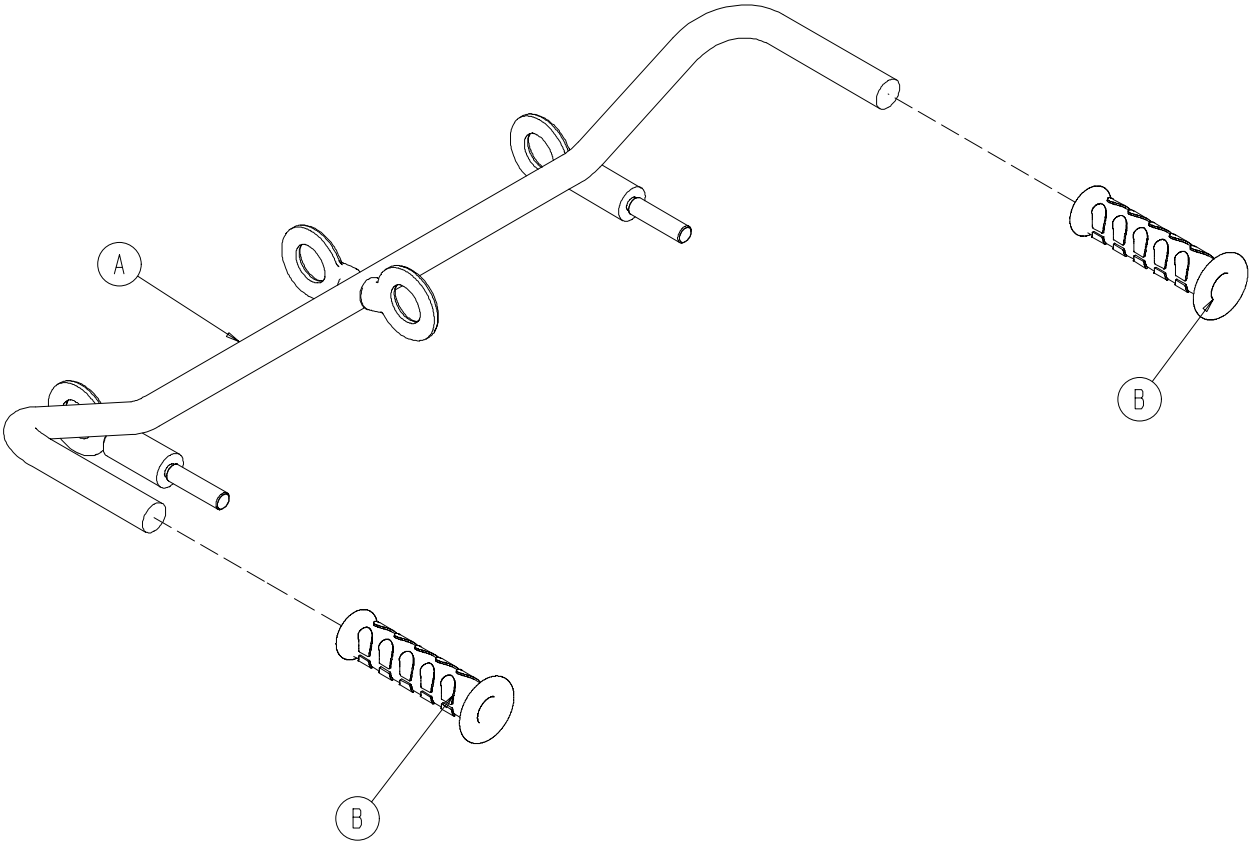
Lift Arm to Base Assembly

Assembly part number 965–300–420 (reference only)



Item	Part No.	Part Name	Qty.
A	4–272	Soc. Hd. Cap Screw	8
B	11–3	Washer	16
C	11–333	Washer	4
D	15–9	Hex Nut	4
E	16–116	Fiberlock Nut	8
F	16–64	Nylock Nut	4
G	(page 43)	Lift Arm Assembly	2
H	965–300–356	Eye Nut	4
J	965–300–362	Tie Down Washer	8
K	965–300–363	Tie Down Brace	4

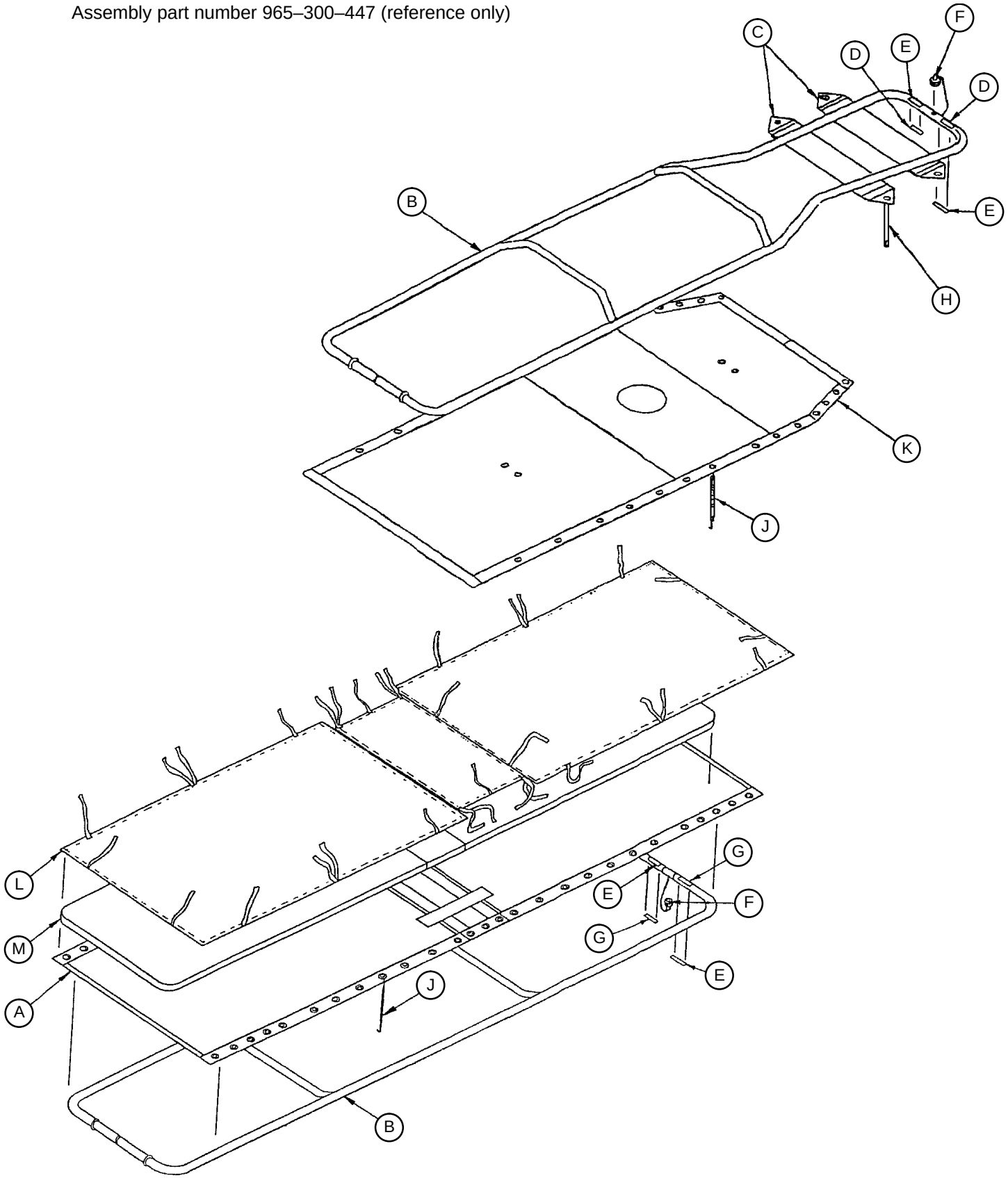
965–300–351 Lift Arm Assembly



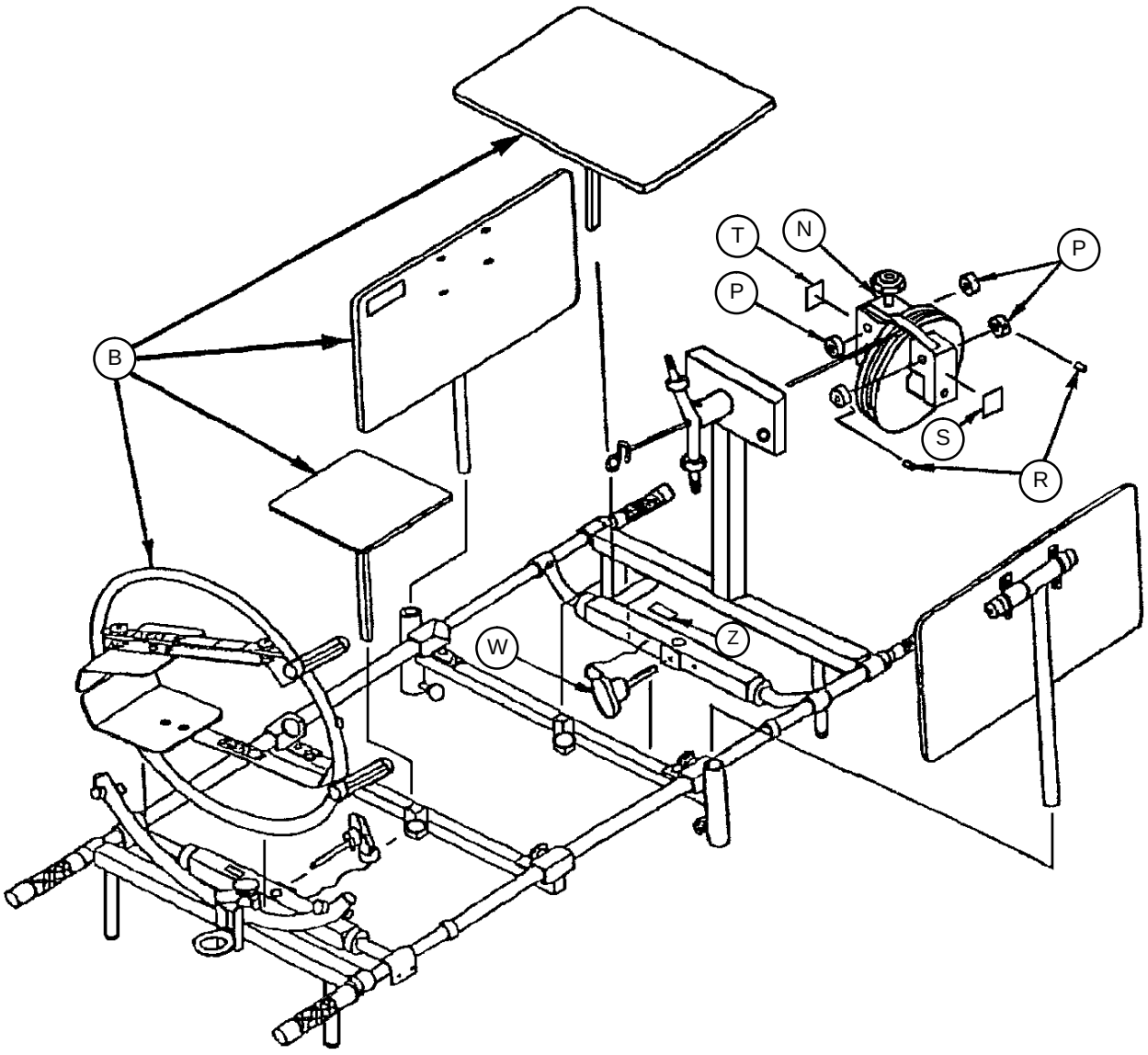
Item	Part No.	Part Name	Qty.
A	965–300–415	Lift Arm Weldment	1
B	6080–40–11	Grip	2

Top Assembly

Assembly part number 965–300–447 (reference only)



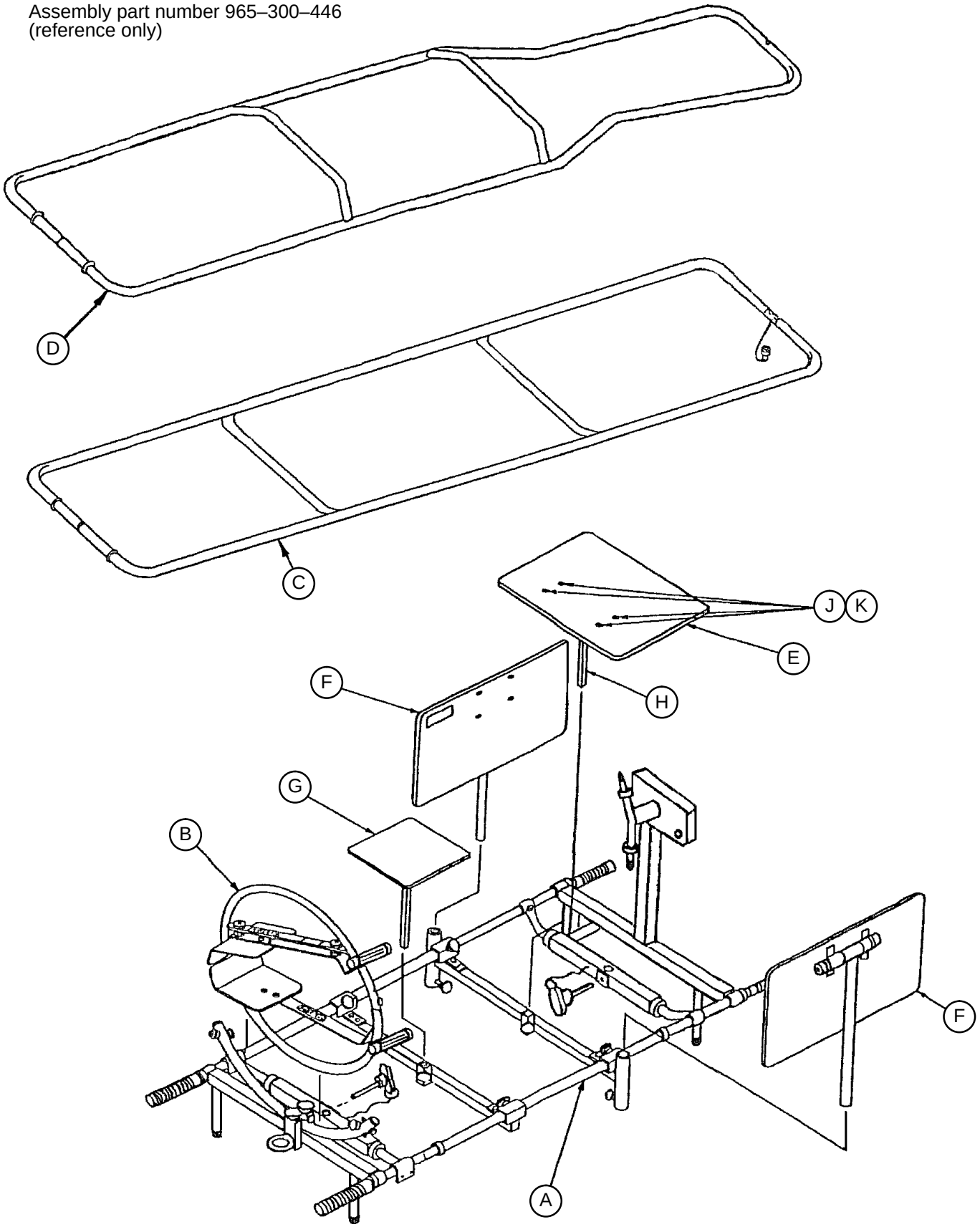
Top Assembly



Item	Part No.	Part Name	Qty.	Item	Part No,	Part Name	Qty.
A	125–4–5	Posterior Canvas	1	S	965–300–442	Head Point Label, Lt.	1
B	(page 46)	AFO Litter Assembly	1	T	965–300–443	Head Point Label, Rt.	1
C	100–5–8	Head Support Band	2	W	965–300–376	Ball Lock with Lanyard	2
D	965–300–441	Knurled Nut Label	2	Y	25–38	Pop Rivet	2
E	965–300–438	Weight Label	4	Z	965–300–466	Top Label	2
F	(page 48)	Knurled Nut Assembly	2	AB	965–300–431	Locking Pin Label	1
G	965–300–436	Knurled Nut Label	2	AC	965–300–432	Posterior Label	1
H	38–1	Elastic Band Assembly	2	AD	965–300–433	Anterior Label	1
J	38–40	Evertaut Assembly	44	AE	965–300–434	Attention Label	1
K	460–5–115	Anterior Canvas	1	AF	965–300–435	Bar Caution Label	1
L	125–4–11	Posterior Sheet Set	1	AG	965–300–437	Arm Board Label	1
M	125–4–8	Posterior Mattress Set	1	AH	965–300–438	Max. Weight Label	1
N	965–300–349	Traction Assembly	1	AJ	965–300–439	Security Pin Label	1
P	42–20	Collar	4	AK	965–300–440	Lower Jack Label	1
R	21–22	Set Screw	4				

Litter Assembly

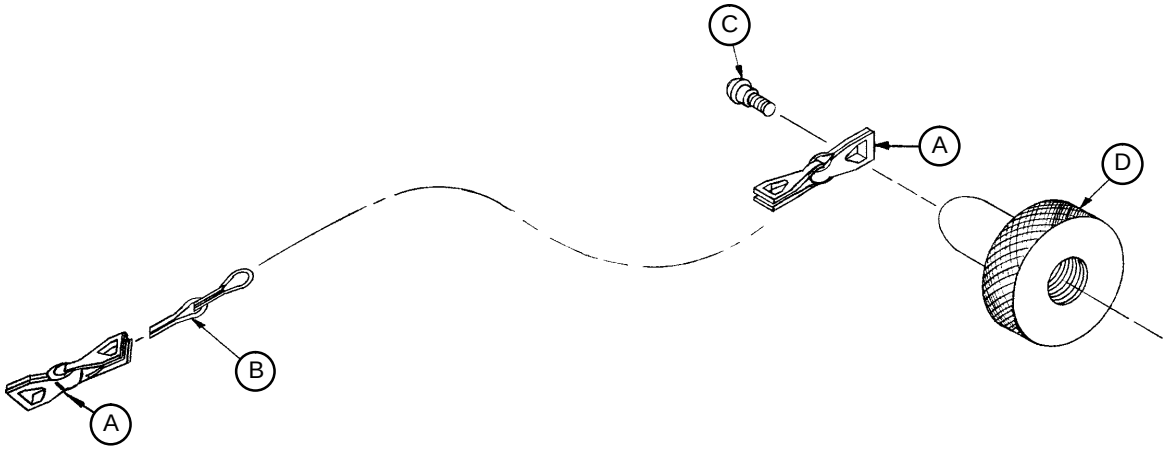
Assembly part number 965–300–446
(reference only)



Litter Assembly

Item	Part No.	Part Name	Qty.
A	(page 49)	Carrier Assembly	1
B	(page 54)	Ring Assembly	4
C	124–4–6	Posterior Frame Assembly	1
D	124–5–3	Anterior Frame Assembly	1
E	124–1–34	Board Assembly	1
F	(page 55)	Arm Board Assembly	2
G	(page 56)	Tray & Tube Assembly	1
H	124–1–32	Tray Support	1
J	1–35	Flat Hd. Machine Screw	4
K	16–3	Fiberlock Nut	4

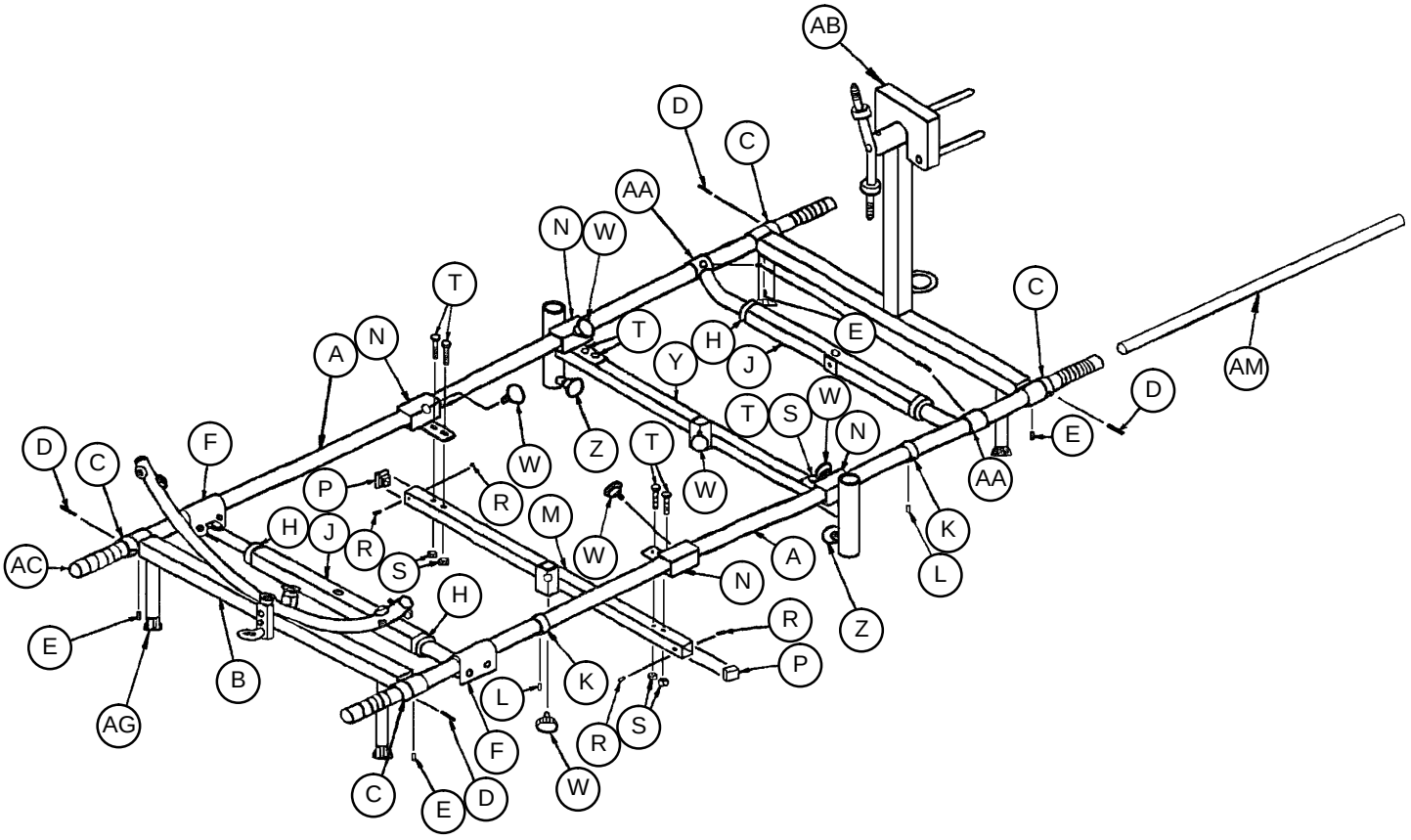
460–4–165 Knurled Nut Assembly



Item	Part No.	Part Name	Qty.
A	390–3–75	Modified Link	2
B	460–4–167	Sash Chain	1
C	8–8	Shoulder Screw	1
D	460–4–166	Knurled Nut	1

Carrier Assembly

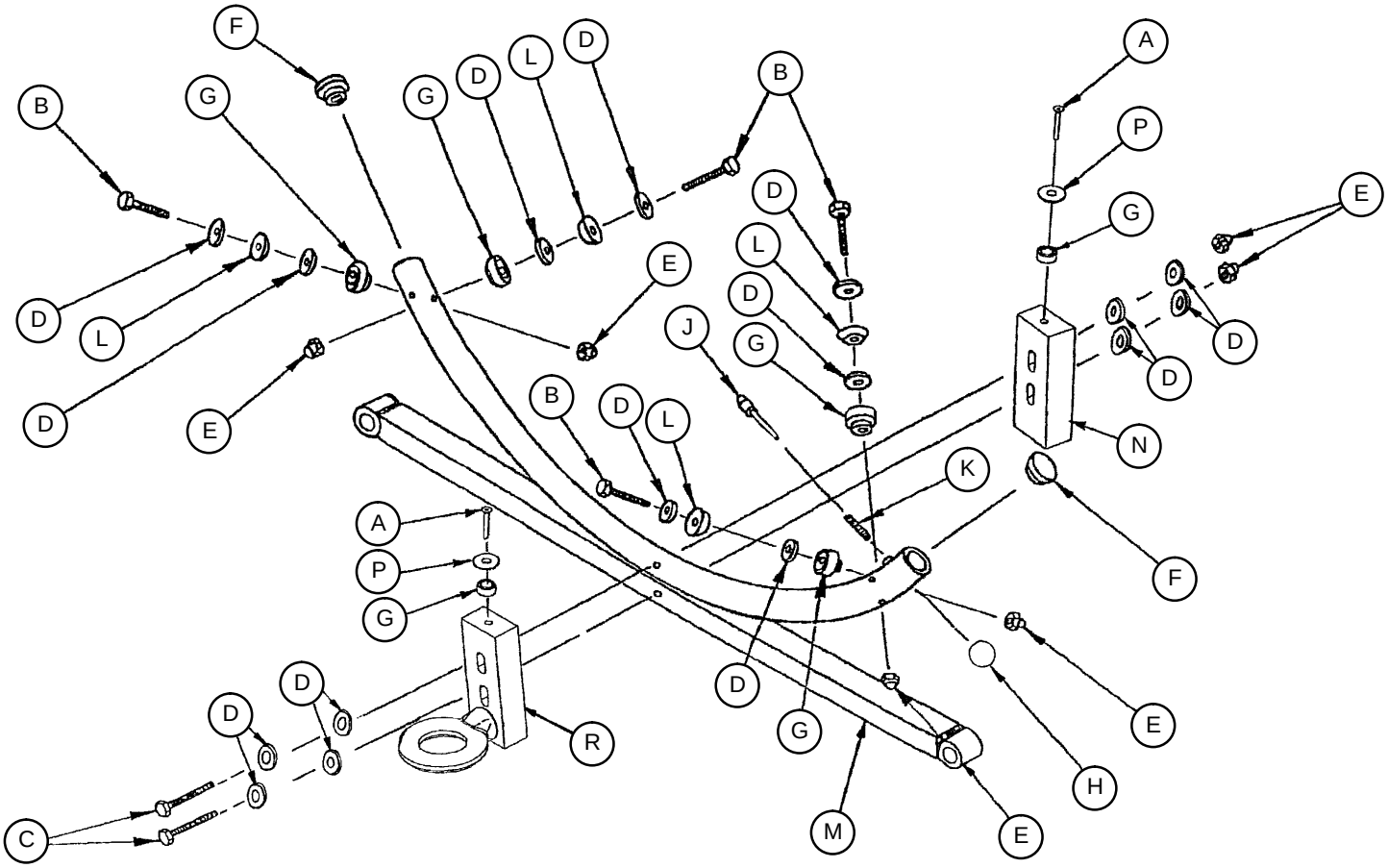
Assembly part number 965–300–397 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No,	Part Name	Qty.
A	965–300–329	Rail Tube	2	P	37–10	Hole Plug	2
B	(page 50)	Yoke Assembly	1	R	22–6	Drive Screw	4
C	350–2–24	Collar	4	S	16–5	Conelock Nut	8
D	26–14	Roll Pin	4	T	3–5	Hex Hd. Cap Screw	8
E	21–75	Set Screw	6	W	24–11	Plastic Knob	6
F	(page 51)	Supt. Tube Swivel Ass'y	2	Y	965–300–332	Arm Support Bracket	1
H	42–7	Collar	4	Z	460–3–62	Knob	2
J	965–300–368	Top Support Tube	2	AA	391–34–25	Angle Tube	2
K	124–1–113	Collar	2	AB	(page 52)	Swivel Bracket Ass'y	1
L	21–45	Set Screw	2	AC	965–300–371	Vinyl Grip	4
M	965–1–3	Bed Pan Holder	1	AG	830–10–35	Bumper Foot	4
N	965–300–457	Slide Bracket	4	AM	965–300–464	Core Insert	2

Yoke Assembly

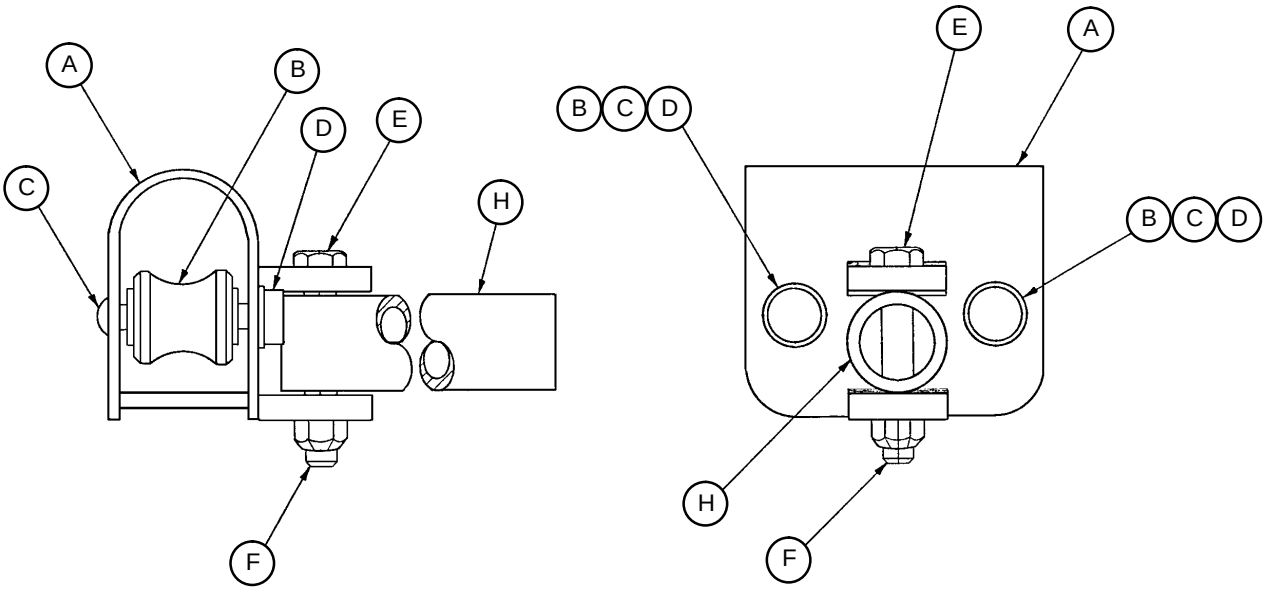
Assembly part number 965–300–398 (reference only)



Item	Part No.	Part Name	Qty.
A	1–147	Flat Head Socket Screw	2
B	4–234	H. Soc. But. Head Cap Screw	4
C	3–206	Hex Head Cap Screw	2
D	11–2	Washer	16
E	17–4	Acorn Nut	4
F	124–1–76	Stop Plug	2
G	124–1–78	Bearing	4
H	965–300–471	Threaded Ball Knob	1
J	124–1–81	Lock Pin	1
K	124–1–82	Spring	1
L	124–1–109	Spacer Guard	4
M	965–1–22	Yoke Support Frame	1
N	965–300–373	Small Clamp Block	1
P	965–300–375	Retainer	2
R	965–300–388	Clamp Block	1

Support Tube Swivel Assembly

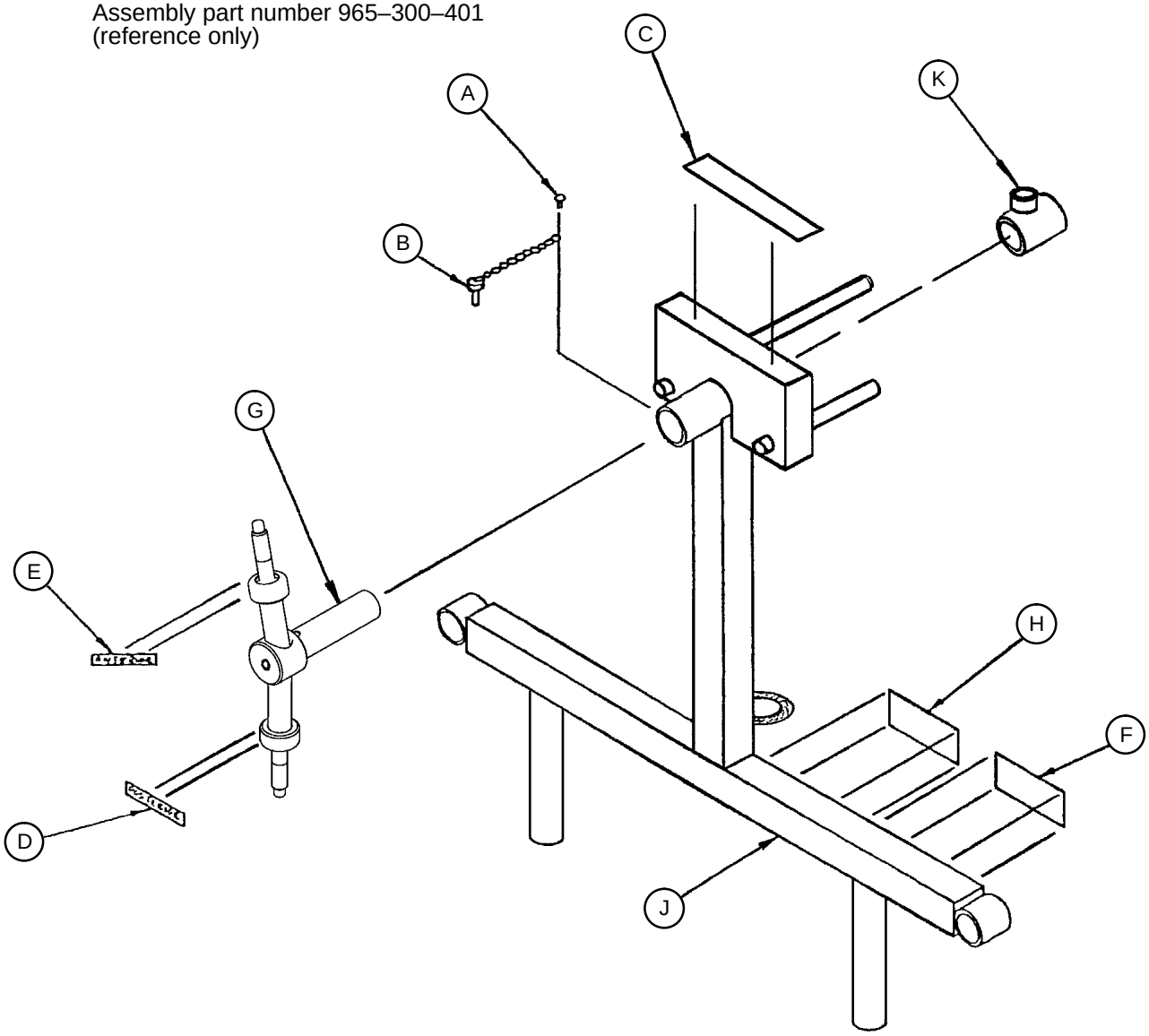
Assembly part number 965–300–450 (reference only)



Item	Part No.	Part Name	Qty.
A	940–2–157	Support Tube Assembly	1
B	938–1–291	Support Tube Roller Ass'y	2
C	25–53	Rivet	2
D	17–3	Drive Nut	2
E	3–40	Hex Hd. Cap Screw	1
F	16–36	Flexlock Nut	1
H	965–300–449	Support Tube	1

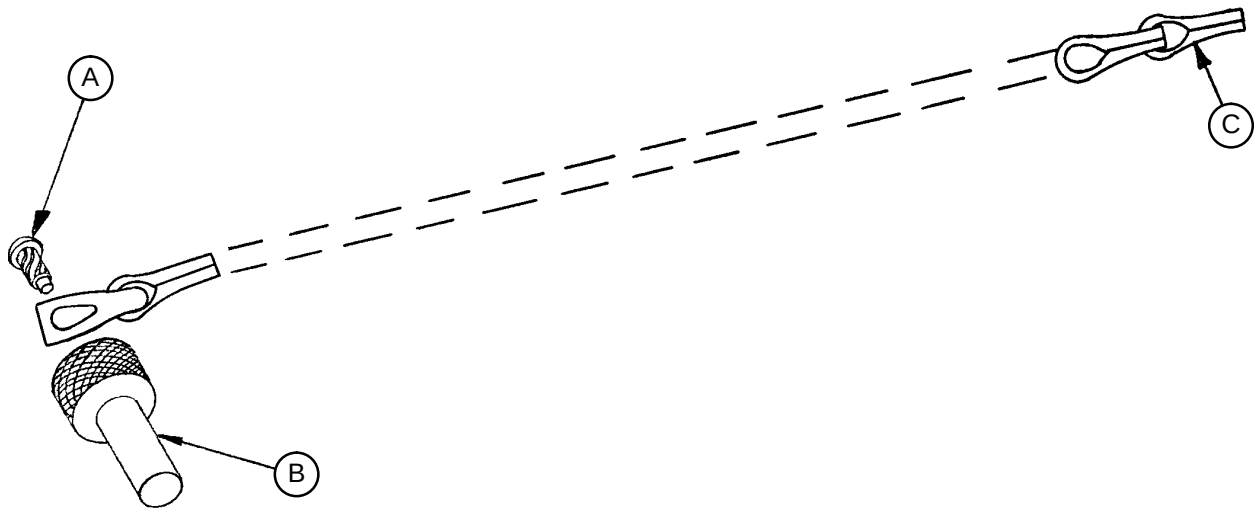
Swivel Bracket Assembly

Assembly part number 965–300–401
(reference only)



Item	Part No.	Part Name	Qty.
A	22–8	Drive Screw	1
B	(page 53)	Pin Assembly	1
C	965–300–431	Security Pin Lock Label	1
D	965–300–432	Posterior Label	1
E	965–300–433	Anterior Label	1
F	965–300–438	Weight Label	1
G	965–300–463	Swivel Assembly	1
H	965–300–440	Lower Jack Label	1
J	965–300–311	Bracket Assembly	1
K	965–300–394	Collar Assembly	1

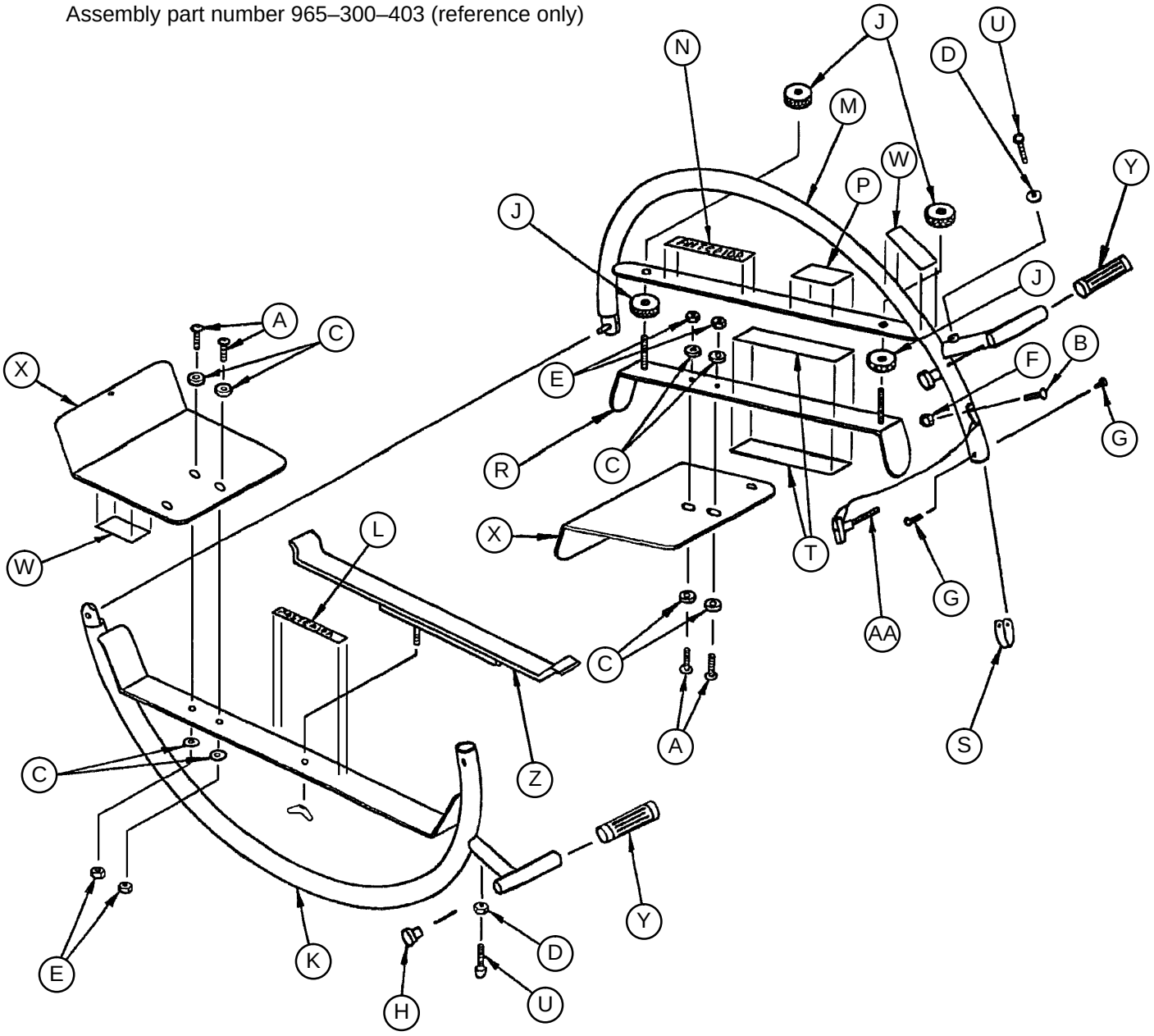
124–1–23 Pin Assembly



Item	Part No.	Part Name	Qty.
A	22–8	Drive Screw	1
B	124–1–17	Safety Pin	1
C	124–1–131	Chain Assembly	1

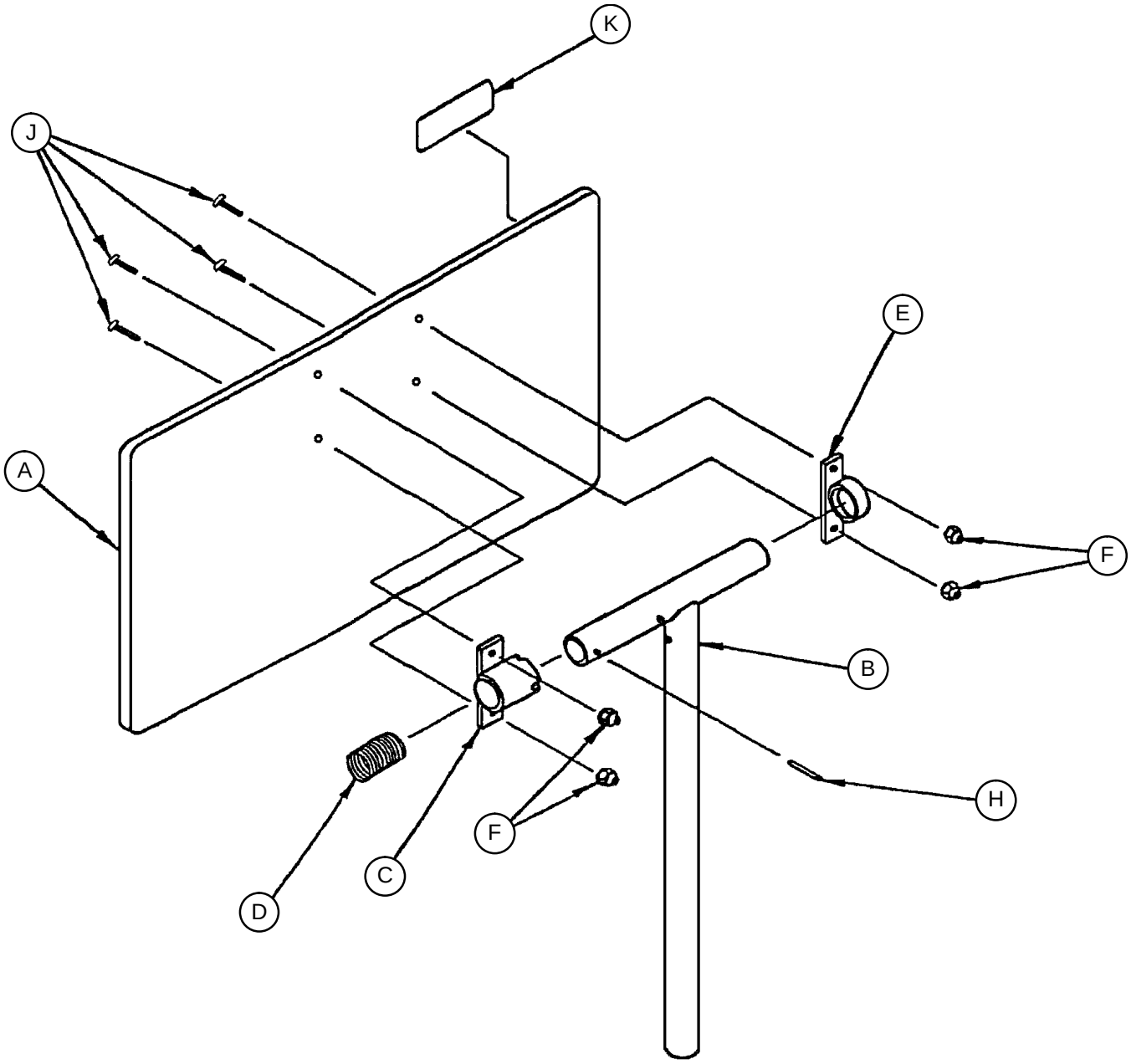
Ring Assembly

Assembly part number 965–300–403 (reference only)



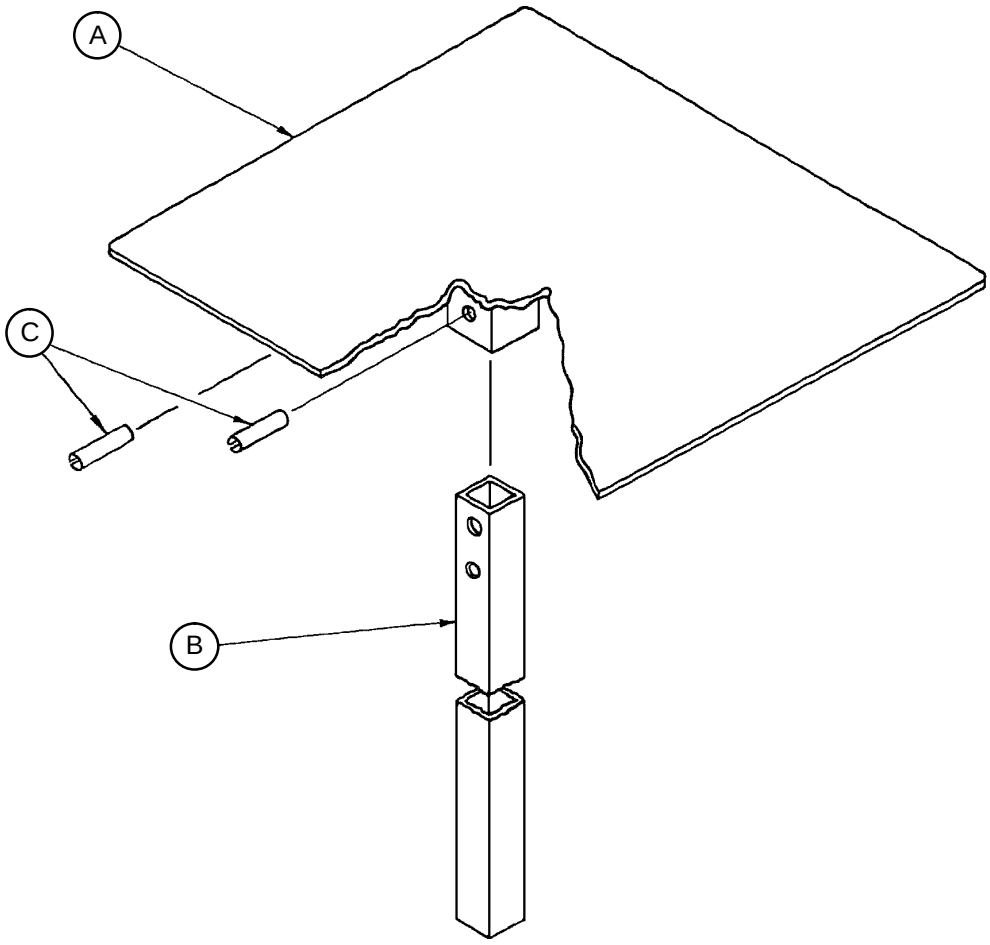
Item	Part No.	Part Name	Qty.	Item	Part No,	Part Name	Qty.
A	2–19	Round Hd. Mach. Screw	4	N	965–300–433	Anterior Label	1
B	2–31	Round Hd. Mach. Screw	1	P	965–300–434	Adjustment Label	1
C	11–1	Washer	8	R	124–1–60	Anterior Support	1
D	15–21	Hex Nut	2	S	124–1–64	Pilot	1
E	16–3	Fiberlock Nut	4	T	965–300–435	Caution Label	2
F	16–14	Fiberlock Nut	1	U	124–1–71	Stop Button	2
G	23–3	Sheet Metal Screw	2	W	965–300–439	Security Pin Label	2
H	37–215	End Plug	2	X	965–300–336	Sheet Protector	2
J	100–3–6	Inner Knurled Nut	4	Y	763–1–28	Hand Grip	2
K	965–300–338	Posterior Radial Frame	1	Z	965–300–364	Clamp Assembly	1
L	965–300–432	Posterior Label	1	AA	965–300–377	Ball Lock w/Lanyard	1
M	965–300–335	Anterior Radial Frame	1				

965–300–402 Arm Board Assembly



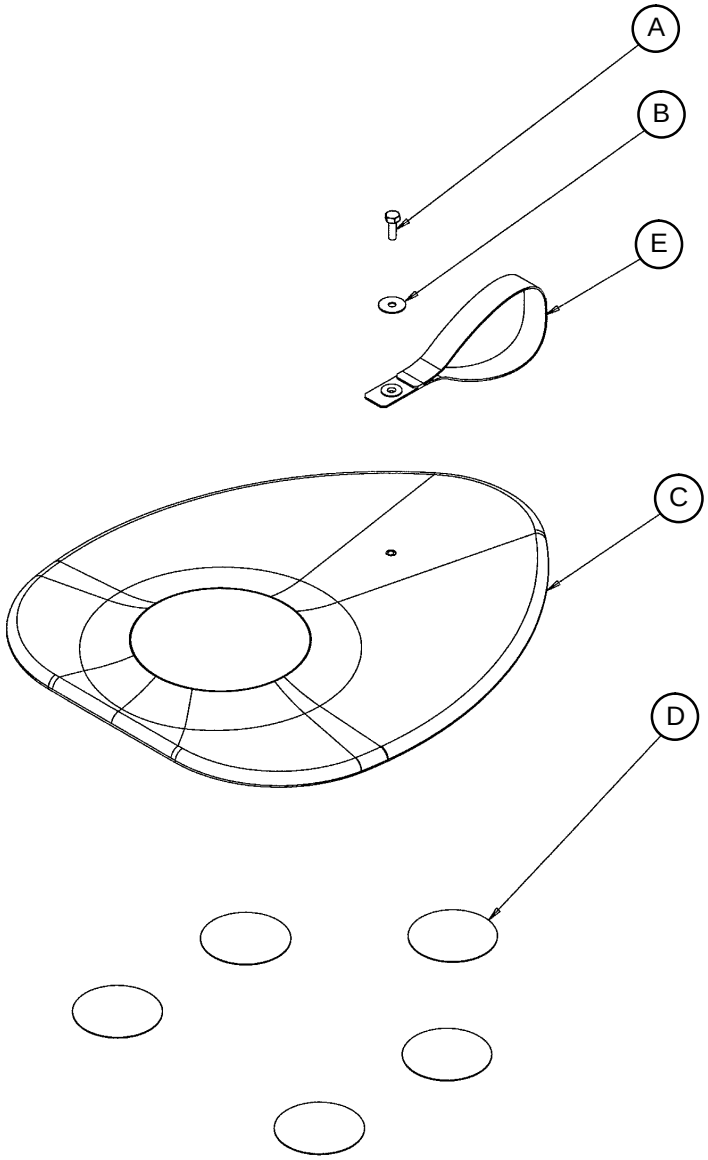
Item	Part No.	Part Name	Qty.
A	124–1–106	Arm Board	1
B	965–300–412	Support	1
C	124–1–108	Notched Pivot Bracket	1
D	460–635–46	Spring	1
E	965–300–337	Sleeve Assembly	1
F	16–3	Fiberlock Nut	1
H	26–14	Roll Pin	1
J	1–35	Flat Hd. Machine Screw	4
K	965–300–437	Board Unlock Label	1

965–300–410 Tray & Tube Assembly



Item	Part No.	Part Name	Qty.
A	124–6–1	Tray Assembly	1
B	965–300–409	Support Tube	1
C	26–11	Roll Pin	2

965–300–429 Wheel Chock Assembly



Item	Part No.	Part Name	Qty.
A	3–356	Hex Hd. Cap Screw	1
B	11–180	Washer	1
C	965–300–341	Wheel Chock	1
D	965–300–425	Cloth Disc	5
E	965–300–427	Strap	1

Warranty

Limited Warranty:

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser that its products should be free from defects in material and workmanship for a period of one (1) year after date of delivery. Refer to page 59 for the specifications of the supplemental warranty for the Military Option 965 CMM #0965. 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. Stryker warrants to the original purchaser that the frame and welds on its beds will be free from structural defects for as long as the original purchaser owns the bed. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to Stryker's factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgement 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 stretchers are designed for a 10 year expected life under normal use conditions and appropriate periodic maintenance as described in the maintenance manual for each device.

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 HEREUNDER 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 at (800) 327–0770.

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

For the 965 Military Option CMM #0965, Stryker offers the following supplemental service contract program for 4 years after the standard 1 year warranty expires – a total of 5 years.

SPECIFICATIONS
All parts,** labor, and travel
Unlimited emergency service calls
Priority one contact; two hour phone response
Most repairs will be completed within 3 business days
JCAHO documentation
Factory–trained Stryker Service Technicians
Stryker authorized parts
Stryker will perform all service during regular business hours (9–5)

** Does not include any disposable items, I.V. poles (except for Stryker HD permanent poles), mattresses, or damage resulting from abuse.

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 or call (800) 327–0770 (option #2).

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.

European Representative

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