



Synergy Series

1550 Extended Stay Stretcher

MAINTENANCE MANUAL

For stretchers with serial numbers of 9707035001 and above

For Parts or Technical Assistance
800-327-0770

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Introduction

INTRODUCTION

This manual is designed to assist you with the maintenance of the 1050/1550 Synergy Series Extended Stay Stretcher. Read it thoroughly before using the equipment.

SPECIFICATIONS

Maximum Weight Capacity	500 pounds
Overall Bed Length/Width	83.5"/34"
Minimum/Maximum Bed Height	22"/35"
Knee Gatch Angle	0° to 30°
Fowler Angle	0° to 70° (Electric), 0° to 90° (Crank)
Trendelenburg/Reverse Trendelenburg	+12°/-18°
Electrical Requirements	110 VAC, 60 Hz, 5.0 Amp

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.

WARNING

Patients should be discouraged from sitting directly on the ends of the stretcher. Excessive weight will cause the litter surface to tip up, possibly causing patient injury.

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.

Cleaning

Clean Velcro **AFTER EACH USE**. Saturate Velcro with disinfectant and allow disinfectant to evaporate. (Appropriate disinfectant for nylon Velcro should be determined by the hospital.)

In general, when used in those concentrations recommended by the manufacturer, either phenolic type or quaternary type disinfectants can be used with Staph–Chek fabrics. Iodophor type disinfectants are not recommended for use on Staph–Chek fabrics because staining may result. The following products have been tested by the Herculite Laboratory and have been found not to have a harmful effect on Staph–Chek fabrics **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. Failure to follow the above directions when using these types of cleaners may void this product's warranty.

REMOVAL OF IODINE COMPOUNDS

This solution may be used to remove iodine stains from mattress covers and foam.

1. Use a solution of 1–2 tablespoons Sodium Thiosulfate in a pint of warm water to clean the stained area. Clean as soon as possible after staining occurs. If stains are not immediately removed, allow solution to soak or stand on the surface.
2. Rinse surfaces exposed to the solution in clear water before returning the stretcher to service.

Preventative Maintenance

CHECKLIST (PERFORM A MINIMUM OF BIANNUALLY)

- _____ All fasteners secure (reference all assembly prints)
- _____ Siderails move and latch properly (page 7)
- _____ Engage brake pedal and push on the stretcher to ensure all casters lock securely (page 15)
- _____ All casters secure and swivel properly
- _____ Steer function working properly
- _____ Fowler operates properly
- _____ Knee Gatch operates properly
- _____ Trendelenburg/Reverse Trendelenburg operates properly
- _____ All electrical connections tight; all grounds secure to frame
- _____ Power cord not frayed; no loose connections
- _____ No cables worn or pinched
- _____ All electrical connections operating properly
- _____ Ground impedance not more than 100 milliohms
- _____ Ground chain intact
- _____ Lubricate where required, including the brake adjuster assembly and brake cam (page 15)
- _____ No leaks at hydraulic connections
- _____ Hydraulic jacks holding properly (page 9)
- _____ Hydraulic drop rate set properly (page 13)
- _____ Hydraulic oil level sufficient (page 12)
- _____ No rips or cracks in mattress cover
- _____ Body restraints working properly
- _____ I.V. pole intact and operating properly (page 81–87)
- _____ Oxygen bottle holder intact and operating properly (page 80)
- _____ Accessories and mounting hardware in good condition and working properly

Serial No. _____

_____	_____	_____
_____	_____	_____
_____	_____	_____

Completed By: _____ Date: _____

NOTE

The stretcher model and serial numbers are found on the specification label on the base hood (see page 52)

Service Information

STATIC DISCHARGE PRECAUTIONS

The electronic circuits in the 1550 are completely protected from static electricity damage only while the stretcher is assembled. It is extremely important that all service personnel always use adequate static protection when servicing the electronic systems of the 1550. *Whenever you are touching wires, you should be using static protection.*

Static Protection Equipment

The necessary equipment for proper static protection is:

- 1 static wrist strap; 3M part number 2214 or equivalent,
- 1 grounding plug; 3M part number 61038 or equivalent,
- 1 test lead with a banana plug on one end and an alligator clip on the other; Smith part number N132B699 or equivalent.

Stryker has available the following equipment for proper static protection:

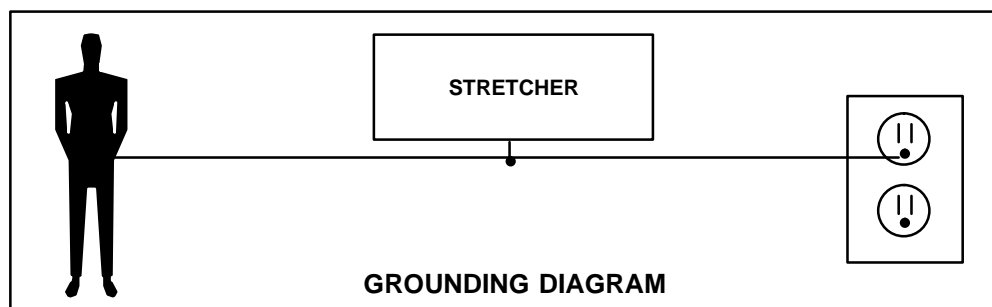
- Complete static protection system – part number 3000-000-753
- 1 grounding plug – part number 3000-000-754
- 1 static wrist strap – part number 3000-000-755
- 1 test lead – part number 3000-000-756

CAUTION

All electronic service parts will be shipped in static shielding bags. Do not open the bags until you have completed steps 2 and 3 of the following procedure. Do not place unprotected circuit boards on the floor. All circuit boards to be returned to Stryker Medical should be shipped in the static shielding bags the new boards were shipped in.

Static Protection Procedure

1. Turn off the main power switch at the foot end of the stretcher and unplug the power cord from the wall receptacle.
2. Insert the grounding plug into a properly grounded hospital grade wall receptacle. Plug the banana plug of the test lead into the receptacle on the grounding plug. Connect the alligator clip on the other end of the test lead to the ground chain of the stretcher.
3. Place the static control wrist strap on your wrist. Connect the alligator clip at the other end of the wrist strap cord to the ground chain of the stretcher.



Service Information

SIDERAIL LATCH ADJUSTMENT

Required Tools:

1/8 Hex Allen Wrench

WARNING

The siderail latch adjustment is pre-set at the factory, and there should not normally be a need for readjustment. If adjustment must be done it is important to follow the procedure below. If it is not done properly, injury to the patient or user could occur.

Adjustment Procedure:

1. Using a 1/8 hex Allen wrench, adjust the hex Allen screw located on the latch assembly opposite the latch. Turning the Allen screw clockwise will **DECREASE** the amount of "play" in the latching mechanism. Turning counterclockwise will **INCREASE** the amount.

NOTE

The amount of "play" in the siderail, when in full up engaged position, should be approximately 1/8 to 3/16 inches.

CAUTION

Too much "play" when the siderail is in the full up engaged position will give the siderail the appearance of being unstable and could also cause premature wearing of the latch system.

Too little "play" will obstruct the latch and keep it from engaging completely in the full up position, which may cause damage to the latch and/or injury to the patient or user.

Service Information

PEDAL LINKAGE ADJUSTMENT – DUAL SIDE CONTROL BASE

Required Tools:

3/32 Hex Allen Wrench

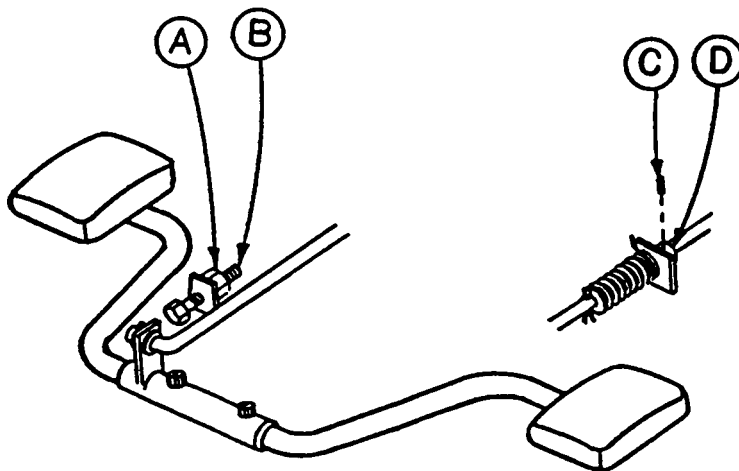
7/16 Open End Wrench

1/2 Open End Wrench

(2) Wooden blocks (10 – 12 inches in length)

Adjustment Procedure:

1. Pump the litter up to full height.
2. Lift the base hood, separating the hood from the base frame. Using the wooden blocks, support the base hood.
3. To adjust the foot end descent pedal, use a 5/32 hex Allen wrench to loosen the set screw (C) in the stop collar (D) on the release rod. Hold the pedal parallel to the floor and slide the collar up to the bracket on the release rod. Tighten the set screw on the stop collar. Be sure the head end and foot end descent pedals are level with each other. Repeat for the head end pedal, if necessary.
4. Once the pedals are level, be sure the paddle on the end of the release rod for the foot end jack is slightly touching the actuating stem on the jack base. If it is not, use a 3/32 hex Allen wrench to loosen the set screw on the paddle hub. Adjust the paddle to **JUST** touch the stem of the jack. Tighten the set screw in the paddle hub. Repeat for the head end jack, if necessary.
5. Depress the pedal for the foot end jack. The jack should start to descend about the same time the paddle on the end of the rod contacts the sleeve on the jack actuating stem. The bracket on the foot pedal body should hit the stop screw (B). Any further movement could cause damage to the stem components inside the jack housing. To adjust the stop screw, use a 1/2 open end wrench to loosen the hex jam nut (A). Turn the screw and re-tighten the hex jam nut. Repeat for the head end jack.
6. Pump the litter up to full height.
7. Step on both descent pedals at the same time. Both ends of the litter should lower with the foot end lowering slightly faster than the head end. If it does not, refer to the procedure for adjusting the jack descent rate.
8. Remove the wooden blocks supporting the base hood. Use the pedal cut-outs on the side of the hood as a guide for proper re-positioning.



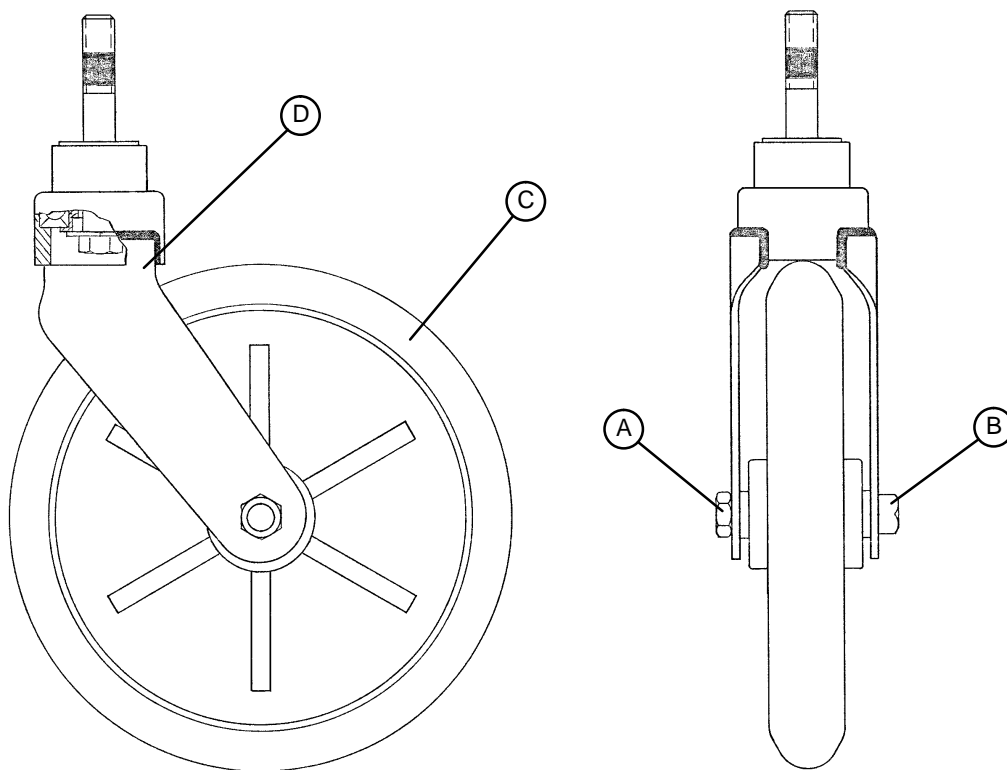
Service Information

CASTER MAINTENANCE

Required Tools:

5/8" Wrench
11/16" Wrench

Maintenance Procedure:

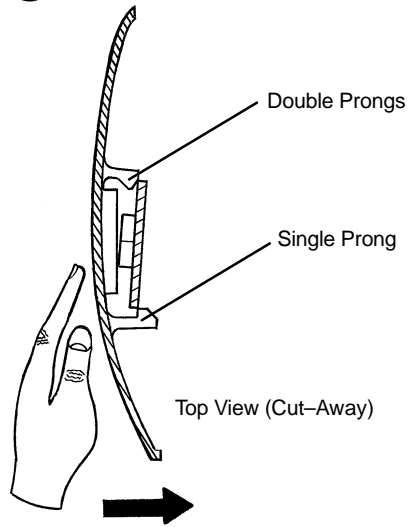


1. Remove the plastic caster cover (see page 10).
2. Using the 5/8" wrench and the 11/16" wrench, remove the centerlock nut (item A) from the through bolt (item B) for the caster wheel.
3. Support the corner of the stretcher where the wheel is being removed and remove the through bolt (item B) and the molded wheel (item C) .
4. Clean the through bolt, molded wheel, and the inside of the caster horn (item D) removing any dirt and debris. Ensure the bearings in the molded wheel spin freely and easily.
5. Replace the molded wheel and the through bolt.
6. Replace the centerlock nut on the through bolt and use the 5/8" and 11/16" wrenches to tighten it securely.

Service Information

CASTER COVER INSTALLATION AND REMOVAL

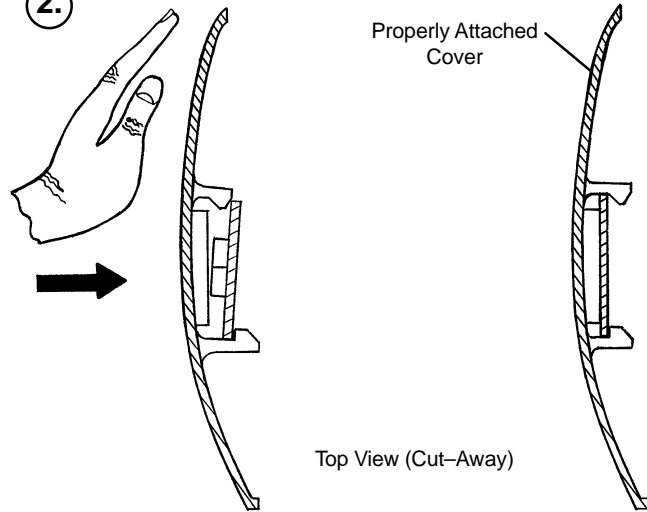
1.



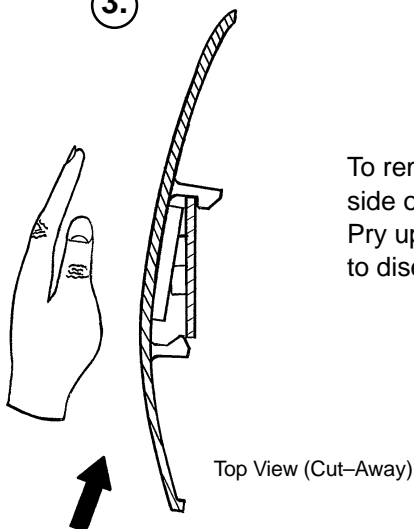
Looking through the larger of the two side cut-outs, align cover with axle nut or bolt head, as shown. Push down on the opposite side of the cover until single prong engages with caster horn.

Push with palm on cover until double prongs engage.

2.



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.

Service Information

HYDRAULIC SYSTEM TROUBLESHOOTING

NOTE

Be sure the pedal linkage has been adjusted properly before beginning service on the jacks (see page 6).

PROBLEM/SYMPTOM	SOLUTION
Jack will not raise to full height.	Check for leaks. Add hydraulic fluid (see p. 12).
Jack will not hold in raised position.	Check linkage to ensure it is not engaged. If linkage is engaged, use a 7/16" socket or wrench to back off the nut until the jack drift stops. If the jack still does not hold, replace valve #1 (see p. 14).
Jack will not pump up and the jack actuator rod does not move.	Close the needle valve. If the jack still will not pump up after the needle valve is closed, replace valve #2 (see p. 15).
Jack will not pump up but the jack actuator rod does move when the pump pedal is activated.	Replace valve #2 (see p. 15).
Jack will not pump up and the jack actuator rod may or may not move.	Remove excess air (vacuum) in system (see p. 12).

ELECTRICAL SYSTEM TROUBLESHOOTING

PROBLEM/SYMPTOM	SOLUTION
Power light not on after power cord is plugged in.	Check wall receptacle for power. Remove control board cover & check for voltage (12 VDC) – test point 12 VDC ref. to gnd. If voltage is present, check power cord and replace, if necessary. Check fuses F1, F2, F3, F4 on logic board.
Bed will not raise electrically.	Check fuse F4 on logic control board. Replace, if necessary. Plug power cord in, depress pump pedal fully and listen for switch activation. Check adjustment of switch inside the motor enclosure at the foot end of the stretcher. Replace switch, if necessary. Check power cord and replace, if necessary. Replace pump motor.
No Gatch/Fowler function in either siderail.	Check if lockout switch is on at either end of the stretcher. Be sure siderail controls are activated. Plug in power cord, press Gatch/Fowler switch and listen for switch activation – replace switch, if necessary. If only one siderail is not working, replace switch board in that siderail. Check fuses F2 (Gatch) and F3 (Fowler) on logic control board. Check patient control switch cable and replace, if necessary. Replace Gatch and/or Fowler motors).

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

Service Information

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.

REMOVAL OF EXCESS AIR (VACUUM) FROM THE HYDRAULIC SYSTEM

Procedure:

1. Verify all hydraulic linkages are secure and operating properly (see pedal linkage adjustment procedure page 6).
2. Using pump pedal, actuate system several times. This will force the air through the system and the jack should now pump up.

Service Information

JACK DESCENT RATE ADJUSTMENT

Required Tools:

Screwdriver

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 descent rate needle valve is located on the base of the jack. Turn the needle valve clockwise, with a screwdriver, to decrease the rate of descent. Turn it counterclockwise to increase the rate of descent.
4. Adjust the needle valve so that the foot end of the stretcher descends slightly faster than the head end. (The factory settings are 3/4 turn from closed for the head end and 1 1/2 turn from closed for the foot end.)

NOTE

The larger percentage of a patient's weight is located in the torso area. Adjust descent rate accordingly.

5. Remove the bungee cords supporting the base hood and secure the hood to the base frame.

NOTE

The jack descent rate was preset at the factory to drop the foot end faster than the head. It is recommended that the foot drop faster to avoid patient disorientation.

Service Information

HYDRAULIC CHECK VALVE REPLACEMENT – NON-ELECTRIC LIFT BASE

Required Tools:

3/8 Box 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	1/2 Inch Diameter Rod	

Replacement of Valve #1

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. Using a 3/8 box 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. Lower jack to full down position. The actuator must be manually lowered while depressing the appropriate release pedal.
4. Remove the pin body assembly with a 3/4 open end wrench and discard the housing gasket.

NOTE

Although the hydraulic fluid is not under pressure, some fluid loss will occur. The fluid loss should be minimal but covering the floor is advisable.

5. Using a 7/32 hex Allen wrench, remove the valve plug.
6. Using a stiff wire with a bent pointed end, remove and discard the valve (1) and the seal.
7. Install the new seal flat to the bottom of its hole with a 1/2 inch diameter rod and install the new valve with the beveled end out.
8. Install the valve plug with the countersunk end first and the beveled end out. Tighten to 10 ft.-lbs torque.
9. Install the pin body assembly with the new housing gasket and tighten to 10 foot-pounds torque.
10. Pump up the jack to the maximum height. Apply weight to be sure the jack holds its position and there are no hydraulic leaks before replacing the base hood and the litter.

Service Information

HYDRAULIC CHECK VALVE REPLACEMENT – NON-ELECTRIC LIFT BASE (CONTINUED)

Replacement of Valve #2

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 and discard the seal.
2. Remove the valve plug.
3. Using a stiff wire with a bent, pointed end, remove the valve and the seal and discard the seal.
4. Install the new seal flat to the bottom of its hole with a 1/2" diameter rod.
5. Install the new valve with the beveled end out.
6. Install the valve plug and tighten to 10 foot-pounds torque.
7. Install the new seal with the base plug and tighten to 10 foot-pounds torque.
8. Pump up the jack to the maximum height.
9. Be sure there are no hydraulic leaks before replacing the base hood and the litter.

Replacement of Valve (Poppet) #3

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 and discard the seal.
2. Remove the compression spring.
3. Using a small needle nose pliers, remove the poppet.
4. Install the new poppet.
5. Install the compression spring.
6. Install the new seal (13) and the base plug 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.

Service Information

HYDRAULIC PRESSURE HOSE REPLACEMENT

40" Hose Part Number 1550-71-1

36" Hose Part Number 1550-71-7

Required Tools:

Large Phillips Screwdriver

9/16" Open End Wrench

11/16" Open End Wrench

6" 3/8 Drive Extension

3/8" Drive Ratchet

Paper Towels or Rags

String or Bungee Cord

Modified Flair Nut Wrench – p/n 1550-570-5

Procedure:

1. Raise the litter to the full up position. Unplug the stretcher power cord from the wall socket.

NOTE

If the hydraulic system is completely disabled, manually lift up on the litter to raise the jack actuator.

2. Remove the four Phillips head screws securing the base hood to the base frame. Lift the hood and secure it to the litter using string or bungee cords. Use caution when lifting the hood so none of the wires leading to the litter are pulled loose.
3. Locate the black pressure hose leading from the top of the jack casting to the head of the pump. Using a 9/16" open end wrench, remove the hose from the 90° fitting. Before removing the hose from the jack base, pack a paper towel or rag around the fitting to soak up the hydraulic oil that will run out of the hose. Using the modified flair nut wrench, loosen the hose fitting and remove the hose.
4. To install the new hose, pass it behind the jack brace and thread it onto the jack base fitting.

CAUTION

Do not over-tighten the fitting. Thread the brass nut by hand and tighten approximately 60° or one flat of the nut.

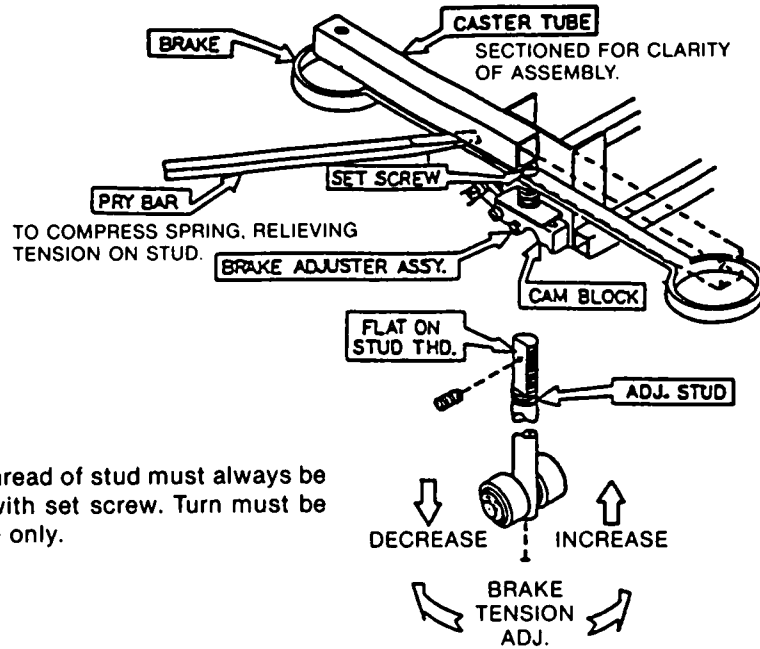
5. Attach the other end of the hose to the pump and tighten as described above. If the hose is tight or stressed, it may be necessary to change the angle of the fitting on the pump. Using an 11/16" open end wrench, loosen the nut against the pump 1/2 turn, reposition the fitting and tighten the nut. Remove the paper towel or rag used to soak up the hydraulic oil.
6. To replace the hydraulic oil lost when the hose was removed, remove the jack filler plug and add approximately 1 ounce of Mobil AW-32 hydraulic oil (Stryker part number 1550-570-10). Do not fill to the bottom of the fill hole because most of the oil is in the actuator cylinder when the litter is raised.
7. After the new hydraulic hose or hoses have been installed, plug the stretcher power cord into a properly grounded wall receptacle. Cycle the litter up and down approximately 10 times and inspect the hose(s) and fittings for leaks.
8. Before installing the base hood, inspect all wires and connectors and be sure none has pulled loose. Position the hood being sure no wires are hanging out or pinched. Replace the four screws to secure the hood.

Service Information

BRAKE ADJUSTMENT

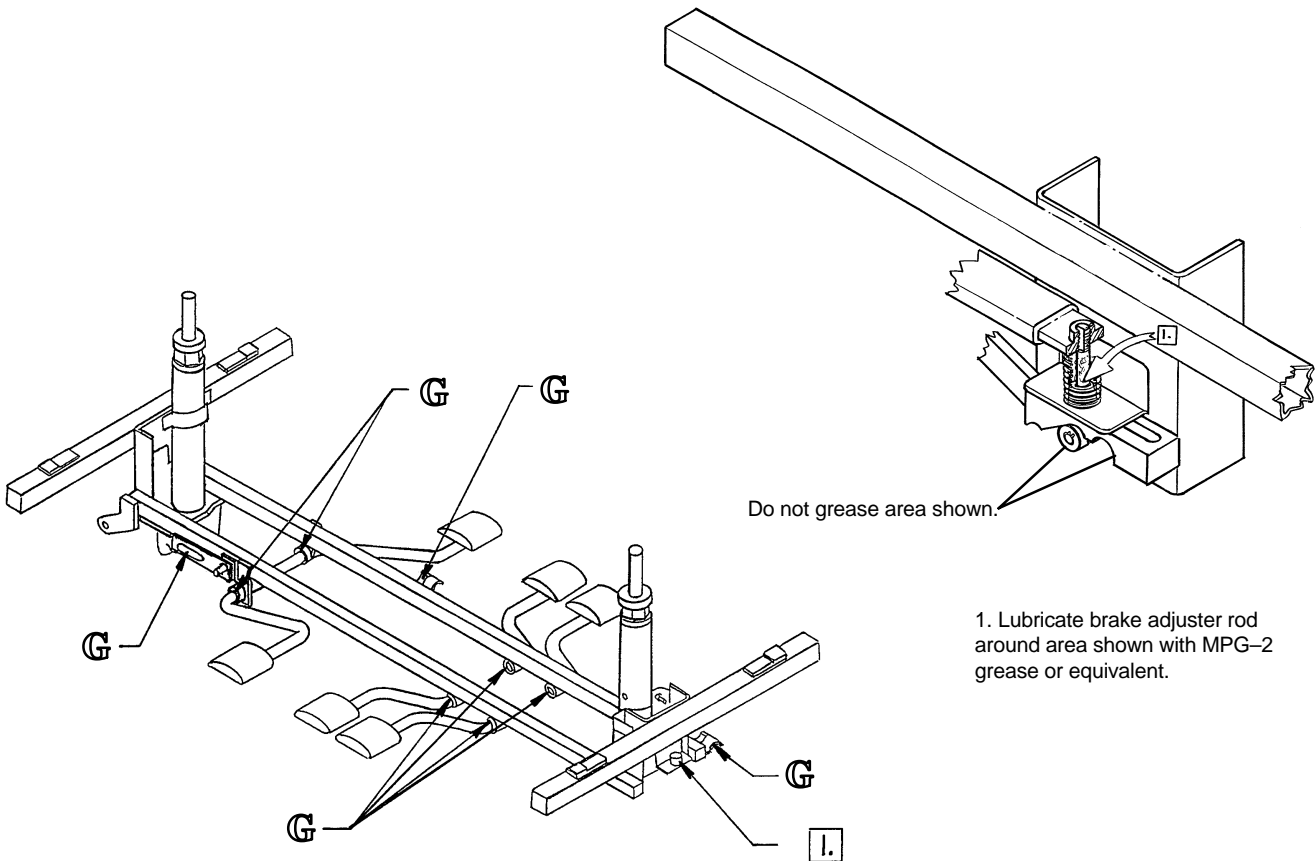
Required Tools:

- 3/32" Hex Allen Wrench
- Pry Bar
- Thread "Locktite"



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

BASE LUBRICATION POINTS



Service Information

BRAKE CAM REPLACEMENT

Brake Cam Part Number 715-1-213

Required Tools:

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

Procedure:

1. Unplug the power cord from the wall socket.
2. Remove the four Phillips screws holding the base hood to the frame. Lift and support the base hood using string or bungee cord.
3. 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.
4. Using a 1/8" Allen wrench, remove the shoulder bolt and nut holding the brake link on the cam and remove the cam.
5. Reverse steps 3 and 4 to install the new cam. Apply and release the brakes to assure they operate properly. If adjustment is required, see page 17. Reinstall the base hood.

BRAKE RING REPLACEMENT

Brake Ring Part Number 715-1-61

Required Tools:

String or Bungee Cord	(2) 7/16" Wrenches	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. Unplug the power cord from the wall socket.
2. 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.
3. 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.
4. Remove the wheel covers on both casters (see page 10).
5. Remove one of the complete caster assemblies (see page 9). 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.
6. Using two 7/16" wrenches, remove the power cord bracket from the base.

Service Information

BRAKE RING REPLACEMENT (CONTINUED)

7. 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.

8. If you are working on an end control base, remove the spring from the pump pedal.
9. Lower the brake ring and remove it from the base. Remove the brake pads and bushings and install them on the new brake ring.
10. Reverse the above steps to install the new brake ring and reinstall the caster and wheel. Apply and release the brakes to assure they operate properly. If adjustment is required, see page 17. Reinstall the base hood.

POWER CORD REPLACEMENT

Power Cord Part Number 1550-85-10

Required Tools:

Large Phillips Screwdriver	String or Bungee Cord	Wire Cutters
Pliers	5/32" Allen Wrench	3/8" Wrench

Procedure:

1. Unplug the power cord from the wall socket. Press fully down on the brake pedal to set the brakes. Pump the lift pedal and raise the litter fully. Remove the four Phillips screws holding the base hood to the base frame. Lift and support the base hood using string or bungee cord. Properly ground yourself (see page 6).
2. Disconnect the black and the white wires from the motor cable inside the motor enclosure and clip off the connectors. Using a 5/32" Allen wrench and a 3/8" wrench, remove the nut and screw holding the green ground wire to the base tube.
3. Using pliers, squeeze and pull the cord strain relief out of the motor enclosure and pull the cord through the hole in the enclosure. Remove and save the strain relief. Using a 15/16" wrench, remove the plastic nut on the connector side of the cord and pull the cord out through the mounting bracket.
4. Remove the plastic nut from the connector side of the new power cord. Thread the new power cord through the bracket and replace and tighten the plastic nut. Clamp on the strain relief and push it back into the enclosure.
5. Connect the black and white wires to the motor cable. Reattach the green ground wire.
6. Reattach the base hood using the four Phillips screws. Plug the power cord into a properly grounded wall receptacle and be sure the stretcher has power before returning it to service.

Service Information

JACK/MOTOR REPLACEMENT

Jack/Motor Assembly Part Number 1550–270–6, Jack Part Number 1550–270–5, Motor Part Number 1550–70–16, Capacitor Part Number 59–111

NOTE

When replacing the foot end jack, the motor does not need to be removed.

Required Tools:

Large Phillips Screwdriver	String or Bungee Cord	Sawhorses (or equivalent)
1/2" Socket w/6" Extension	1/2" Box End Wrench	1/4" Allen Wrench
3/8" Box End Wrench	Small Standard Screwdriver	Modified Flair Nut Wrench (p/n 1550–570–5)

Procedure:

1. Unplug the power cord from the wall socket. Press fully down on the brake pedal to set the brakes. Pump the lift pedal and fully raise the litter. Remove the four Phillips screws holding the base hood to the frame. Lift and support the base hood using string or bungee cord. Using sawhorses or the equivalent, support the litter at the end of the stretcher that needs service.
2. Using a 3/8" box end wrench, remove the screw holding the jack to the litter support tube.
3. Press down on the release pedal for the end of the stretcher being serviced, and, at the same time, push down on the jack actuator until it is fully down.
4. Put the brake/steer pedal in neutral and move the end of the base being serviced out from under the litter to allow better access to the jack and motor. Press fully down on the pedal to reset the brakes.

WARNING

Move only the base. Be very careful not to move the litter. Personal injury could result if the litter falls off the sawhorses (or equivalent) supporting it.

5. Using a 1/2" socket and a 1/2" wrench, remove the nuts and bolts holding the jack support bracket on both sides of the jack. Using a 1/2" socket, remove the two nuts and bolts holding the support bracket on the base tube bracket.
6. Properly ground yourself (see page 6). Disconnect the motor cables.
7. Using a 1/2" ratchet with a 6" extension and a 1/2" wrench, remove the four nuts and bolts holding the jack, motor, and enclosure on the base frame,
8. Using a 1/4" Allen wrench and a 1/2" box end wrench, remove the nut and bolt holding the jack pump piston to the linkage. If you are replacing the head (control) end jack, remove the nut and compress the jack spring before removing the bolt. Carefully release the spring and remove it from the spring holder.
9. Pull out the jack and motor.
10. Using the modified flair nut wrench (p/n 1550–570–5), disconnect the hydraulic pressure hoses.
11. If the capacitor needs to be replaced, use a small, standard screwdriver to remove it from the bracket on the bottom of the enclosure.
12. Place the new jack/motor assembly in the enclosure. Reinstall the jack support brackets. Reinstall the jack pump piston to the linkage.
13. Line up the enclosure and motor with the holes in the base frame and reinstall the four nuts and bolts.
14. If the capacitor is being replaced, push the new capacitor into the bracket inside the enclosure. Reconnect all wires and cables.
15. Be sure the jack actuator is in the full down position and remove the fill plug on the side of the jack actuator. The hydraulic fluid should be visible at the bottom of the fill hole. If it is not, fill the jack with hydraulic fluid (Stryker part number 1550–570–10) until the fluid is visible at the bottom of the fill hole.

Service Information

JACK/MOTOR REPLACEMENT (CONTINUED)

16. Reinstall fill plug, plug stretcher power cord into a properly grounded wall receptacle and run the jack up and down electrically. Remove the fill plug and add more hydraulic fluid, if necessary. Repeat this step two or three times.
17. Pump the lift pedal to raise the jack actuator and reattach the jack to the litter support tube. Reattach the base hood. Test the lift functions before returning the stretcher to service.

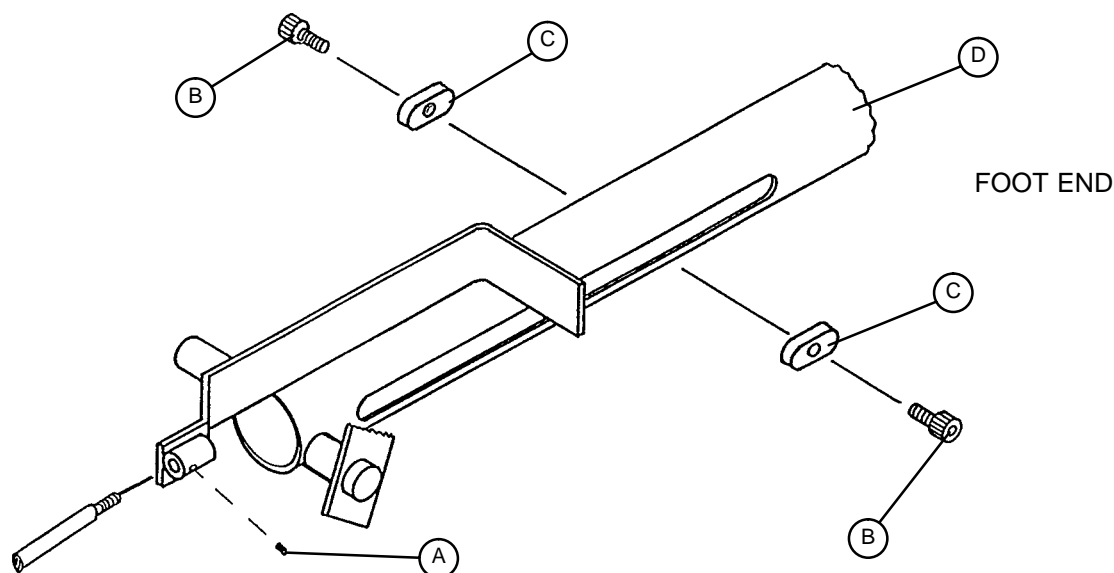
FOWLER LIFT MOTOR/ACTUATOR REPLACEMENT

Required Tools:

(2) 7/16" Open End Wrenches
Two 1/2" Wrenches or Sockets
5/64" Allen Wrench

5/32" Allen Wrench
1/4" Nut Driver
String or Cord

Standard Screwdriver (12" or longer)
5/16" Ratchet and Extension
Sawhorse (or equivalent)



Procedure:

1. Raise the litter, Fowler and Knee Gatch to the full up position. Remove the mattress and unplug the power cord from the wall socket. Properly ground yourself (see page 6).
2. Lift the foot section and pivot it back, securing it with string or cord. Using a 5/32" Allen wrench, remove the four screws and the two Knee Gatch guides from the sides of the motor/board cover. Using a standard screwdriver, remove the two sheet metal screws holding the cover to the foot end frame tube and remove the cover.
3. Disconnect the black cable connecting the Fowler motor to the logic circuit board.
4. Remove and save the small black cap from the end of the quick drop release cable. With two 7/16" open end wrenches, loosen the nuts on the cable retainer until the end of the quick drop release cable will slide out. Using a 5/64" Allen wrench, loosen the set screw (A) securing the cable cover at both ends of the cable and pull off the cable cover.

Service Information

FOWLER LIFT MOTOR/ACTUATOR REPLACEMENT (CONTINUED)

5. Using a screwdriver, pry off the ball retainers at each end of the black gas cylinder and remove the gas cylinder. Using a 5/32" Allen wrench, remove the screws (B) holding the stop (C) on each side of the Fowler tube (D). Trip the Fowler quick drop lever **on the end of the actuator*** and at the same time manually lift the Fowler. Use string or cord to secure the Fowler out of the way.

CAUTION

***Do not** use the red quick drop release handle because the Knee Gatch will come down.

6. Using two 1/2" wrenches or sockets, remove the two nuts and bolts from each side of the "Y" shaped Fowler bracket at the head end of the stretcher. Hold the Fowler lift motor tube (D) so it does not fall and damage the storage tray.
7. Using a 7/16" wrench, remove the two inner nuts and bolts fastening the motor to the mounting brackets inside the motor/board enclosure at the foot end of the stretcher. Only the two inner bolts need to be removed.
8. Using a 5/16" ratchet and extension, remove the two screws from the bottom mounting bracket under the actuator assembly. Support the foot end of the stretcher using a sawhorse or the equivalent. Using a 1/2" wrench or socket, remove the bolt holding the litter support tube on top of the jack to the litter roller assembly and swing the litter support aside. Using a 7/16" socket, remove the bolt holding the foot section to the Gatch motor tube and pivot the foot section completely back.
9. Pull the "Y" shaped bracket off the end of the lift motor tube and remove the actuator assembly from the enclosure. Install the new actuator assembly and the two screws in the bottom mounting bracket. Install the two inner bolts to the motor mounting brackets. Reattach the litter support tube to the litter roller assembly. Reattach the Gatch motor tube to the Gatch. Lift the Fowler and install the "Y" shaped Fowler bracket onto the end of the Fowler motor tube. (It will be necessary to trip the quick drop latch). Grease the motor tube, if necessary. Install the two stops (E) on the sides of the Fowler motor tube using the screws and adhesive provided with the new actuator.
10. Install the gas cylinder with the large diameter end toward the foot end of the stretcher. Install the small (head) end first, then move the Fowler until the foot end of the cylinder can be popped on. Plug the black motor cable into the logic circuit board and plug the stretcher power cord into a properly grounded wall receptacle. Inspect and test the lift and quick drop systems. (Trip the quick drop at the latch under the Gatch. Do not attach the cable yet.) If the Fowler or Gatch do not lower or raise properly and the limit switches need to be adjusted, see the procedure on page 24.
11. Insert the cable outer cover into the Fowler actuator bracket and secure it with the set screw. Thread the cable through the quick drop release lever on the actuator then through the cable cover and the release lever. Keep the cable taut between the two washers on the release lever (but not holding the latch open) and tighten the nut and bolt holding it in place. Rotate the red lever to test the quick drop function for proper operation. Glue the black cap on the end of the cable.
12. Reinstall the enclosure cover and Knee Gatch guides with the four socket head cap screws. When reinstalling the Knee Gatch guides, be sure the large hole in the guide is toward the foot (crank) end with the ridged side of the guide facing out. Install the two sheet metal screws. Inspect and test the stretcher before returning it to service.

Service Information

GATCH LIFT MOTOR/ACTUATOR REPLACEMENT

Required Tools:

7/16" Socket	Ratchet	1/4" Socket or Wrench
Inclinometer	5/16" Socket	5/64" Allen Wrench
3" Extension	Medium Standard Screwdriver	1/2" Wrench or Socket
1/2" Socket	5/32" Wrench	(2) 7/16" Wrenches
String or Cord	Sawhorse (or equivalent)	

Procedure:

1. Unplug the stretcher power cord from the wall socket. Properly ground yourself (see page 6).
2. Using a 1/2" wrench and socket, remove the bolts holding the Gatch motor assembly to the Knee Gatch mounting bracket underneath the litter midsection.
3. Lift the foot section and pivot it back, securing it with a string or cord. Using a 5/32" Allen wrench, remove the four screws and two Knee Gatch guides from the sides of the motor/board enclosure cover. Using a standard screwdriver, remove the two sheet metal screws holding the cover to the foot end frame tube and remove the cover.
4. Manually crank up the Fowler (head end) to expose the quick drop lever assembly. Remove and save the small black cap from the end of the quick drop release cable. With two 7/16" open end wrenches, loosen the nut on the cable retainer until the quick drop release cable will slide out. Using a 5/64" Allen wrench, loosen the set screw securing the cable cover at both ends of the cable and pull off the cable cover.
5. Using a 7/16" wrench, remove the two inner nuts and bolts fastening the Gatch motor to the mounting brackets inside the motor enclosure. Only the two inner bolts need to be removed.
6. Using a 5/16" socket and extension, remove the two bolts from the bottom mounting bracket under the actuator assembly inside the motor enclosure.
7. Unplug the black Gatch motor cable from the logic circuit board.
8. Support the foot end of the stretcher using a sawhorse or the equivalent. Using a 1/2" wrench or socket, remove the bolt holding the litter support tube on top of the jack to the litter roller assembly and swing the litter support aside. Using a 7/16" socket, remove the bolt holding the foot section to the Gatch motor tube and pivot the foot section completely back.
9. Remove the Gatch motor.
10. Reverse steps 2–8 to install the new Gatch motor.
11. Plug the stretcher power cord into a properly grounded wall socket and use the siderail control to raise the Gatch until the motor stops.
12. Using an inclinometer, verify the Gatch is at a 30° angle. If it is not, run the motor until a 30° angle is achieved, then disconnect the motor from the Gatch mounting bracket and quick drop release cable.
13. Using the siderail controls, run the motor up, allowing the motor to spin freely, until it stops.
14. Reattach the motor to the Gatch mounting bracket and quick drop release cable and verify the Gatch is now at a 30° angle. Run the Gatch fully down and verify it reaches the full down position. If the motor stops before the Gatch is fully down or continues to run after the Gatch is resting on the rubber Gatch stops, see page 24 for limit switch adjustment.

Service Information

FOWLER AND KNEE GATCH MOTOR/ACTUATOR ADJUSTMENT

Procedure:

1. Electrically raise the Fowler and/or Knee Gatch until it stops. Use an inclinometer to check the angle of the Fowler/Knee Gatch. If the angle is not 70°– 80° for the Fowler and 28°– 30° for the Gatch, the actuator(s) will need to be adjusted.
2. Lower the Fowler down flat and remove the socket head cap screws and spacers holding the drive bar to the crankscrew/actuator assembly.
3. Standing at the head end of the bed, turn the outer drive tube **clockwise** if the Fowler angle is less than 70°. Turn the outer drive tube **counterclockwise** if the Fowler angle is more than 80°. Reattach the drive bar to the crankscrew/actuator assembly. Electrically raise the Fowler fully and check the angle.
4. If the Knee Gatch angle is not correct, disconnect the pivot bolt from the Gatch. Standing at the head end of the bed, turn the drive tube **clockwise** if the Gatch angle is less than 28°. Turn the drive tube **counterclockwise** if the Gatch angle is more than 30°. Reattach the drive bar to the crankscrew/actuator assembly. Electrically raise the Gatch fully and check the angle.

NOTE

One turn of the drive tube is equal to approximately 2° of Fowler/Gatch angle.

5. After the Fowler and Gatch upper limits are set properly, rotate the quick drop release lever to lower the Fowler and Gatch. Press and hold the Fowler and Gatch down buttons until the motor stops to reset the quick drop Fowler and Gatch. The Fowler and Gatch should stop on the rests. So there isn't any tension on the actuators, you should be able to pull up slightly on the Fowler and Knee Gatch. See the procedure below for limit switch adjustment if the Gatch limits are not properly set.

FOWLER AND KNEE GATCH LIMIT SWITCH ADJUSTMENT

Procedure:

1. If the motor does not stop when the Fowler or Gatch reaches the full down position or stops before the Fowler or Gatch is fully down on the rests, the limit switch needs to be adjusted.
2. Lower the Fowler and/or Gatch to the full down position being careful not to exceed the downward limit on the rubber stops.
3. Raise the Fowler/Gatch approximately 1". Rotate the quick drop release lever and run the Fowler/Gatch motor down to reset the quick drop.
4. Lift the foot section and pivot it back, securing it with a string or cord. Using a 5/32" Allen wrench, remove the four screws and two Knee Gatch guides from the sides of the motor/board enclosure cover. Using a standard screwdriver, remove the two sheet metal screws holding the cover to the foot end frame tube and remove the cover.
5. Using a 1/4" wrench, remove the two screws on the end of the actuator holding the round limit switch cover plate and remove the plate to expose the limit switches.
6. Loosen the two screws on the outer limit switch cam and turn the cam by hand until it just contacts the limit switch. The switch will click when the cam contacts it.
7. Tighten the screws on the cam.
8. Raise the Fowler/Gatch fully. Rotate the quick drop lever and hold down the lowering button on the siderail to reset the quick drop. The Fowler/Gatch should lower fully down on the rests and the motor should stop. If it doesn't, repeat steps 6 through 8.
9. Reattach the switch cover plate and motor enclosure cover when the switch is set properly.

Service Information

LOGIC CIRCUIT BOARD REPLACEMENT

Logic Circuit Board Part Number 1550–80–900

Required Tools:

Standard Screwdriver

5/32" Allen Wrench

7/64" Allen Wrench

Procedure:

1. Unplug the power cord from the wall socket. Properly ground yourself (see page 6).
2. Lift the foot section and pivot it back, securing it with a string or cord. Using a 5/32" Allen wrench, remove the four screws and two Knee Gatch guides from the sides of the motor/board enclosure cover. Using a standard screwdriver, remove the two sheet metal screws holding the cover to the foot end frame tube and remove the cover.
3. Disconnect all cables and connectors from the logic circuit board, noting their locations so they will be re-connected properly.
4. Using a 7/64" Allen wrench, remove the 6 Allen screws on the bottom of the motor/board enclosure. Lift the logic circuit board out of the enclosure.
5. Reverse the above steps to install the new circuit board. Reinstall the enclosure cover and Knee Gatch guides with the four socket head cap screws. When reinstalling the Knee Gatch guides, be sure the large hole in the guide is toward the foot (crank) end with the ridged side of the guide facing out. Install the two sheet metal screws. Test all bed functions before returning the stretcher to service.

PATIENT CONTROL LOCKOUT SWITCH REPLACEMENT

Rocker Switch Part Number 59–68

Required Tools:

Standard Screwdriver

5/32" Allen Wrench

Procedure:

1. Unplug the power cord from the wall socket. Properly ground yourself (see page 6).
2. Lift the foot section and pivot it back, securing it with a string or cord. Using a 5/32" Allen wrench, remove the four screws and two Knee Gatch guides from the sides of the motor/board enclosure cover. Using a standard screwdriver, remove the two sheet metal screws holding the cover to the foot end frame tube and remove the cover.
3. Disconnect the three cables leading from the rocker switch to the lockout cable on the logic circuit board.
4. From inside the enclosure, squeeze the sides of the rocker switch and push the switch out of the frame tube.
5. Push the new switch into the frame tube, threading the three cables through the tube. Connect the cables to the lockout cable, being sure the white cable is connected in the center.
6. Reinstall the enclosure cover and Knee Gatch guides with the four socket head cap screws. When reinstalling the Knee Gatch guides, be sure the large hole in the guide is toward the foot (crank) end with the ridged side of the guide facing out. Install the two sheet metal screws.
7. Plug the stretcher power cord into a properly grounded wall receptacle and test the lockout function before returning the stretcher to service.

Service Information

PATIENT CONTROL LOCKOUT LED REPLACEMENT

Required Tools:

Standard Screwdriver

5/32" Allen Wrench

Wire Cutters

Procedure:

1. Unplug the power cord from the wall socket. Properly ground yourself (see page 6).
2. Lift the foot section and pivot it back, securing it with a string or cord. Using a 5/32" Allen wrench, remove the four screws and two Knee Gatch guides from the sides of the motor/board enclosure cover. Using a standard screwdriver, remove the two sheet metal screws holding the cover to the foot end frame tube and remove the cover.
3. Disconnect the red and black LED wires from the lockout cable. Clip the red and black wires and push the LED out of the litter frame tube.
4. Thread the new LED wires through the frame tube. Push the new LED into the frame tube. Crimp new connectors on the red and black wires on the new LED. Connect the new LED to the lockout cable on the logic circuit board.
5. Reinstall the enclosure cover and Knee Gatch guides with the four socket head cap screws. When reinstalling the Knee Gatch guides, be sure the large hole in the guide is toward the foot (crank) end with the ridged side of the guide facing out. Install the two sheet metal screws.
6. Plug the stretcher power cord into a properly grounded wall receptacle and be sure the LED will light when the lockout function is activated before returning the stretcher to service.

SIDERAIL PATIENT CONTROL REPLACEMENT

Required Tools:

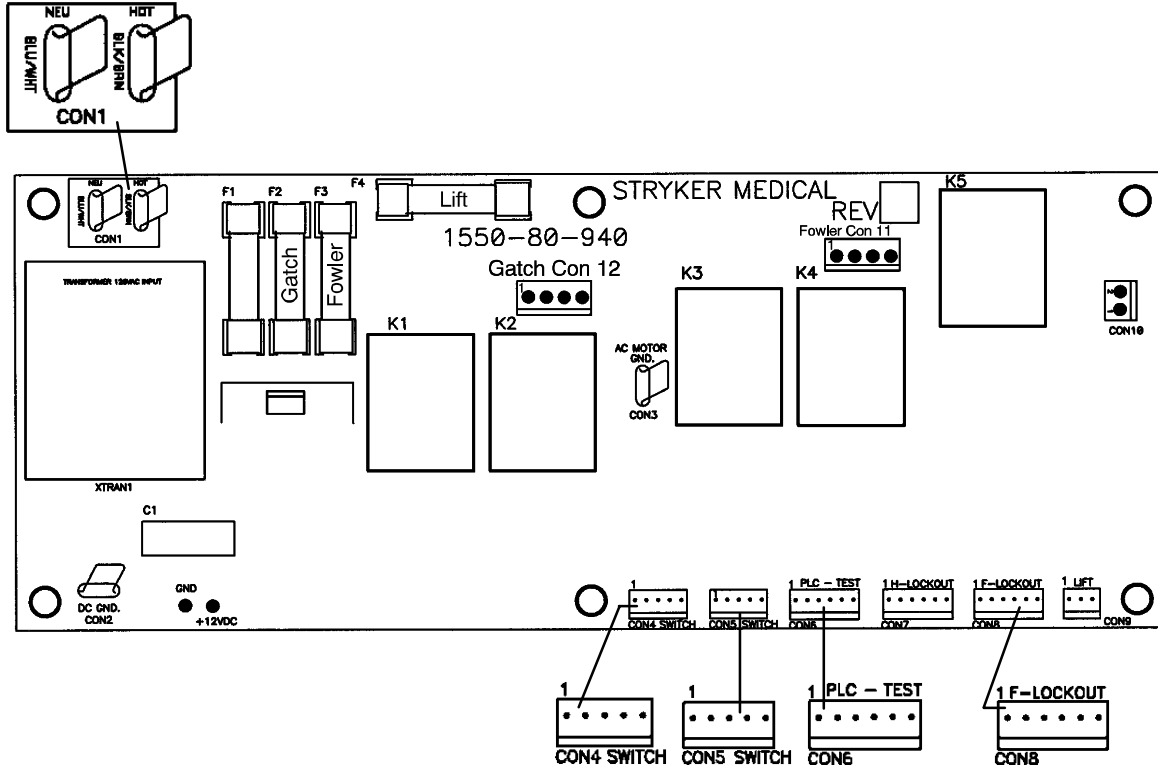
5/64" Allen Wrench

Procedure:

1. Unplug the power cord from the wall socket. Properly ground yourself (see page 6). Lower the siderail.
2. Peel the label off the siderail top rail.
3. Using a 5/64" Allen wrench, remove the two screws from the top rail.
4. Pull the control assembly out of the inside of the top rail and disconnect the cable from the switch board inside the rail.
5. Reverse the above steps to install the new control assembly, being sure the cable is aligned with the groove in the switch housing and doesn't get pinched.
6. Plug the stretcher power cord into a properly grounded wall receptacle and be sure the siderail control is working properly before returning the stretcher to service.

Control Board

CONTROL BOARD – P/N 1550–80–940



F1 – Fuse 1/10 Amp, 250 VAC, SLO–BLO – Stryker Part Number 59–146

F2 & F3 – Fuse 2 Amp, 250 VAC, SLO–BLO – Stryker Part Number 59–148

F4 – Fuse 7 Amp, 250 VAC, SLO–BLO – Stryker Part Number 59–150

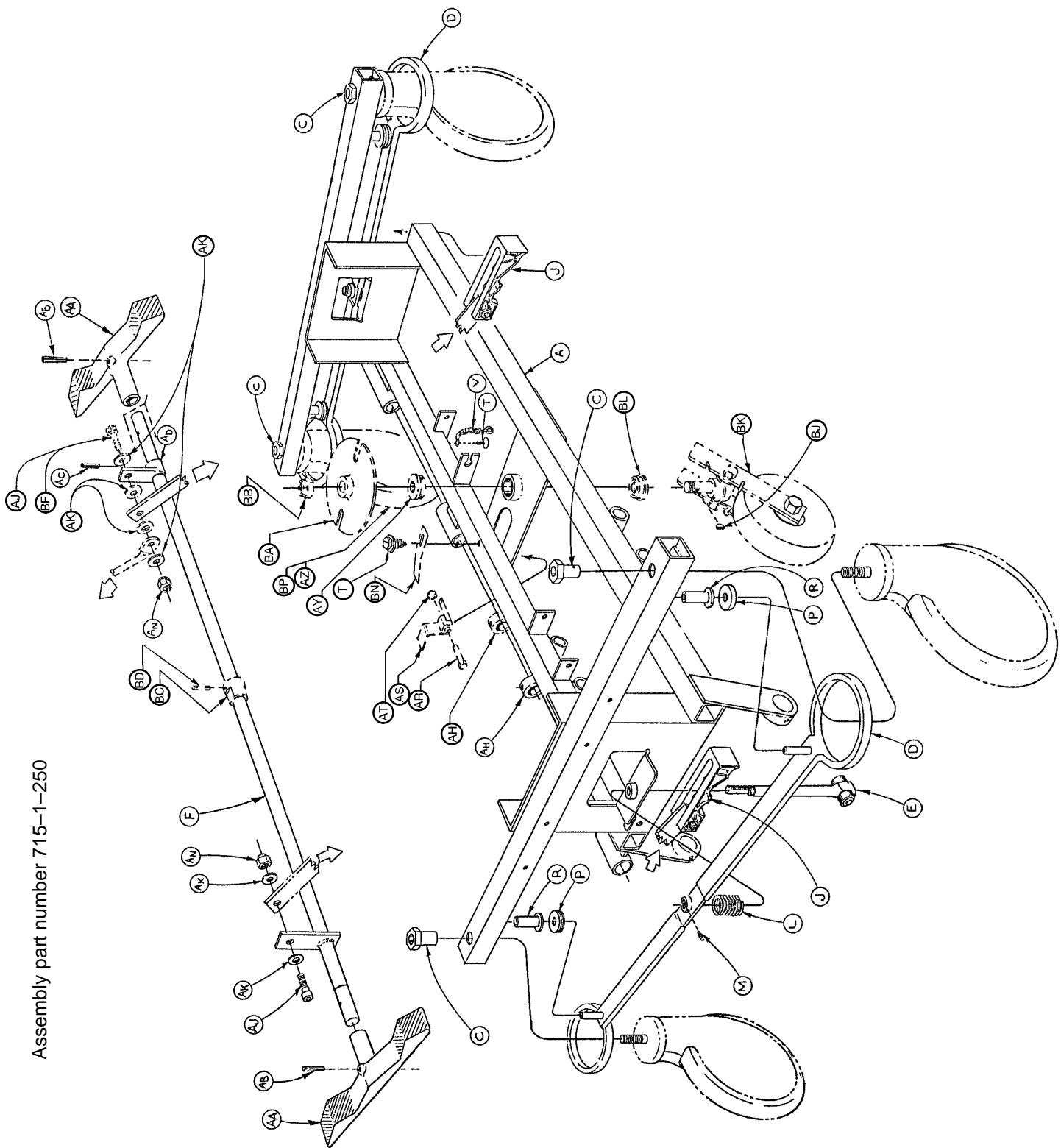
CONNECTOR LOCATION	VOLTAGE	POSITIVE LEAD	NEGATIVE LEAD	DESCRIPTION
CON 1	110 VAC	1	2	Line In
CON 6	12 VDC	1	DC GND (CON 2)	DC Supply
CON 8	12 VDC	1	DC GND (CON 2)	DC Supply
CON 10	110 VAC	1	2	w/Lift
CON 11	110 VAC	3	1	w/Fowler Down
CON 11	110 VAC	4	1	w/Fowler Up
CON 12	110 VAC	3	1	w/Gatch Up
CON 12	110 VAC	4	1	w/Gatch Down
CON 4 & 5	12 VDC	1	DC GND (CON 2)	w/Head & Foot Lockout Switches Off
CON 4 & 5	12 VDC	2	DC GND (CON 2)	w/Gatch Down & Lockout Switches Off
CON 4 & 5	12 VDC	3	DC GND (CON 2)	w/Gatch Up & Lockout Switches Off
CON 4 & 5	12 VDC	4	DC GND (CON 2)	w/Fowler Up & Lockout Switches Off
CON 4 & 5	12 VDC	5	DC GND (CON 2)	w/Fowler Down & Lockout Switches Off

Replacement Parts

ITEM	PART NUMBER
Brake Adjuster	715-1-150
Brake Cam	715-1-221
Brake Ring	715-1-61
Control Board	1550-80-940
Head Board with Push Bar	1510-289
Hydraulic Jack, Electric Lift Base	1550-270-5
Hydraulic Jack, Non-Electric Lift Base	715-270-10
Hydraulic Oil Kit	1550-570-10
I.V. Caddy	1050-1-100
I.V. Caddy Tool Kit	1050-10
I.V. Pole, Standard, Removable	390-25
Jack Pump Piston Assembly	715-100-325
Jack Release Valve Assembly	715-270-400
Mattress (4" x 29")	1550-430-40
Paint, Touch-Up, Gloss Black, Bottle w/Brush	7000-1-322
Paint, Touch-Up, Gloss Black, Spray Can	7000-1-319
Paint, Touch-Up, Gray, Bottle w/Brush	7000-1-320
Paint, Touch-Up, Gray, Spray Can	7000-1-317
Pedal Pad, Side Control	715-1-126
Power Cord	1550-285-10
Restraint Strap, Ankle (2 piece, Velcro)	946-43-100
Restraint Straps, Body (2 piece, Velcro)	390-19
Restraint Straps, Chest (2 piece, Velcro)	1010-58
Restraint Strap, Wrist (2 piece, Velcro)	946-44-100
Serving Tray	1052-29
Siderail Control Label Set, Right	1550-26-25
Siderail Control Label Set, Left	1550-26-26
Siderail Pad Set	1010-52
Switch, Lift	3000-300-58
Switch, Patient Control Lockout	59-68

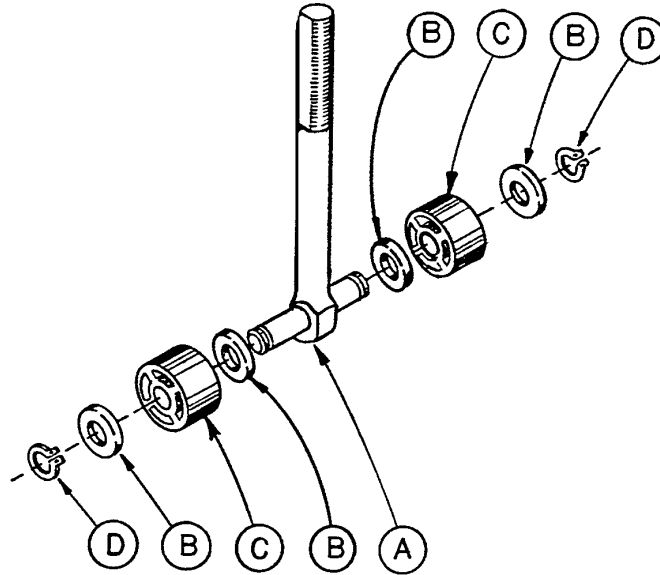
Notes

Side Control Base Assembly (with Wheels & Brakes)



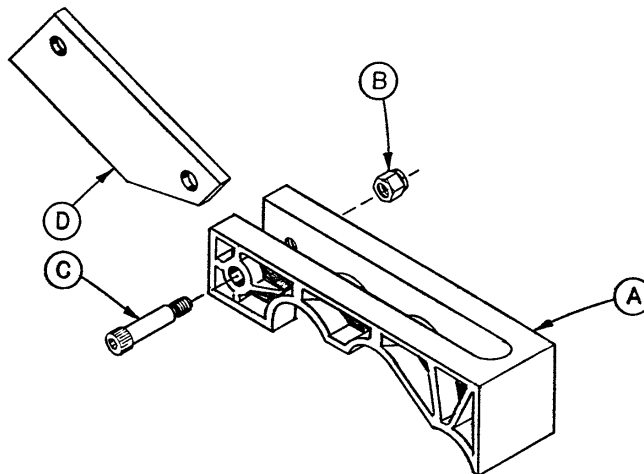
Assembly part number 715-1-250

715-1-150 Brake Adjuster Assembly



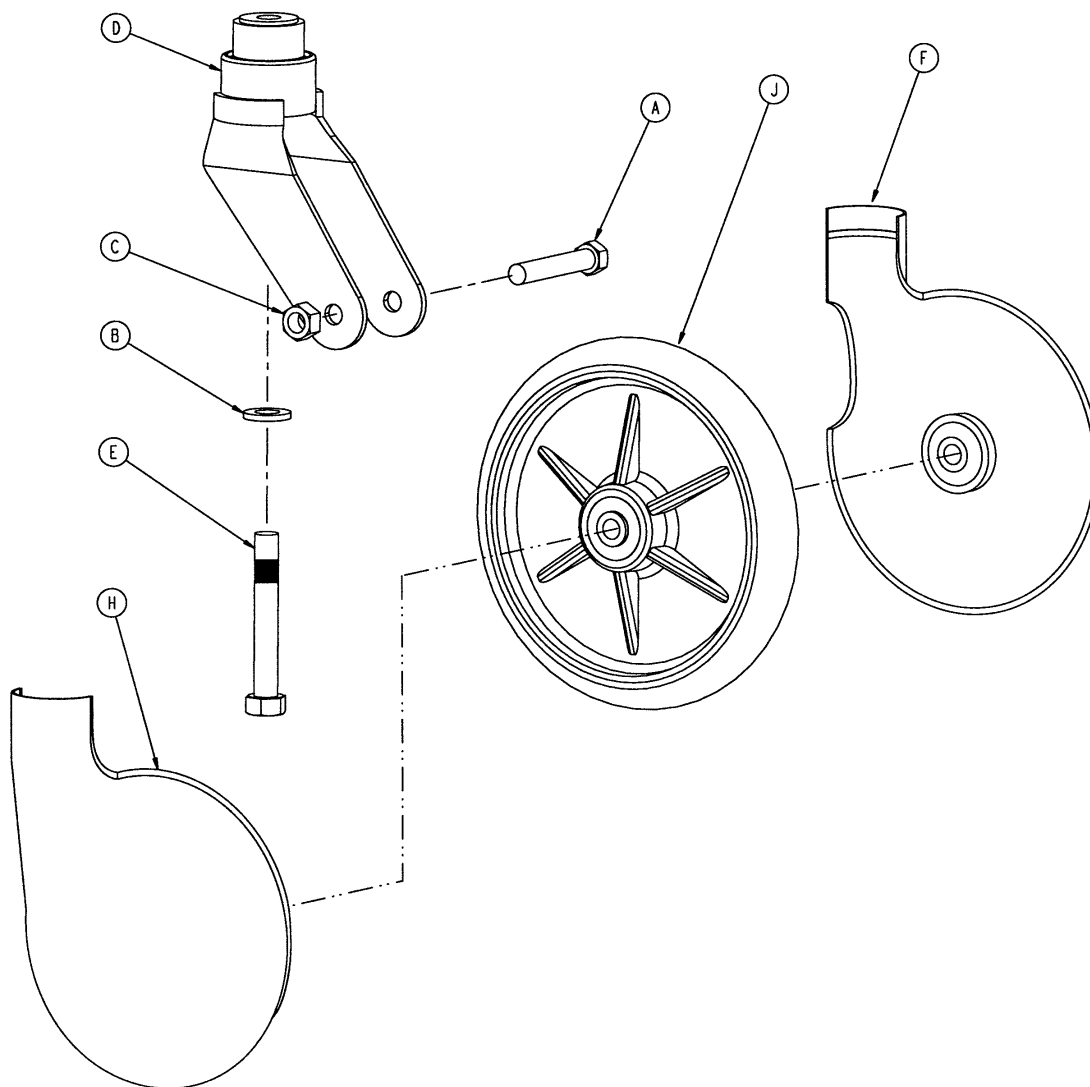
Item	Part No.	Part Name	Qty.
A	715-1-62	Threaded Stud Assembly	1
B	14-4	Nylon Washer	4
C	715-1-180	Bearing	2
D	28-8	Retaining Ring	2

715-1-213 Brake Cam Assembly



Item	Part No.	Part Name	Qty.
A	715-1-221	Brake Cam	1
B	16-59	Fiberlock Nut	1
C	8-21	Soc. Hd. Cap Screw	1
D	715-1-173	Brake Connecting Link	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.

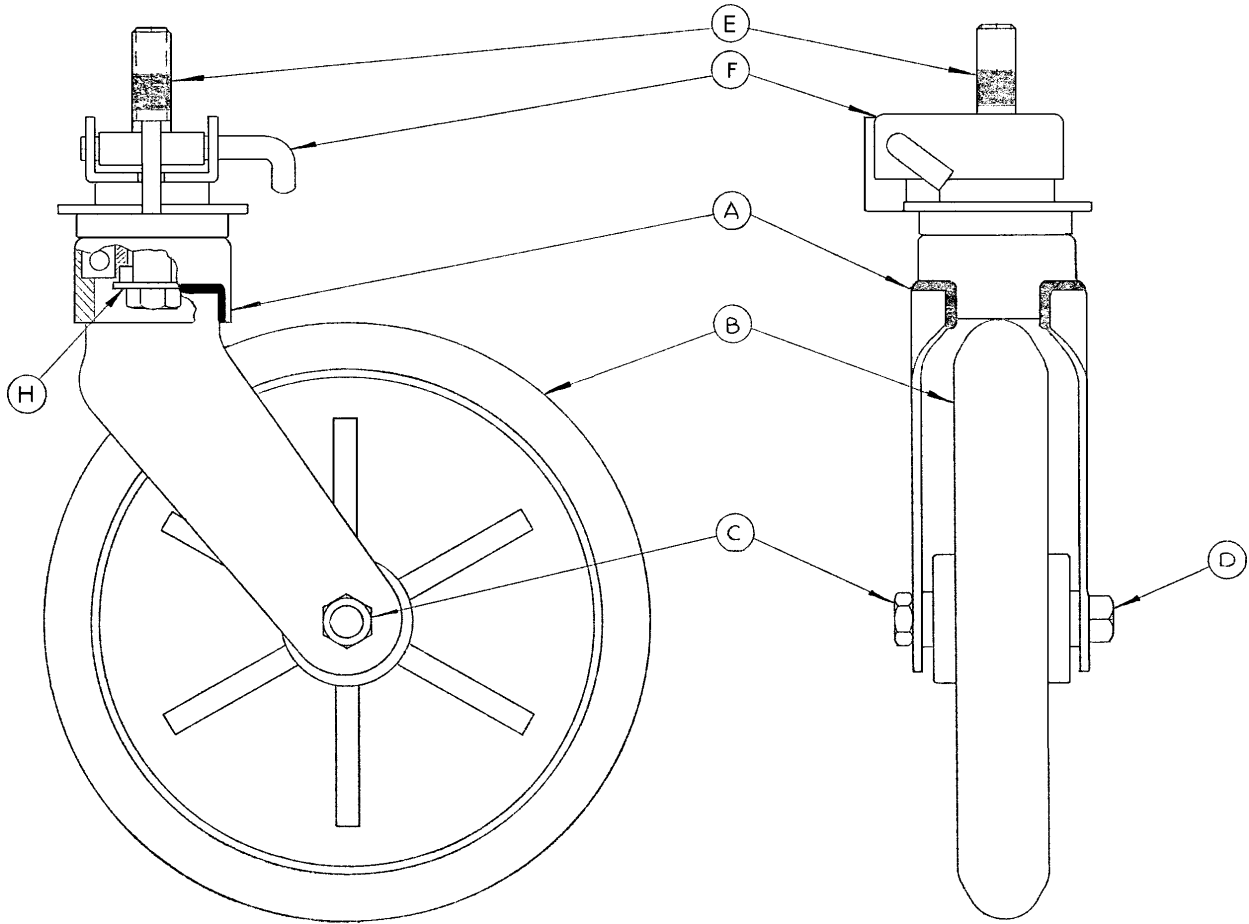
p/n 715-269-400 – Kit to replace 3 standard caster assemblies and 1 steerlock caster with hardware – no caster covers.

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.

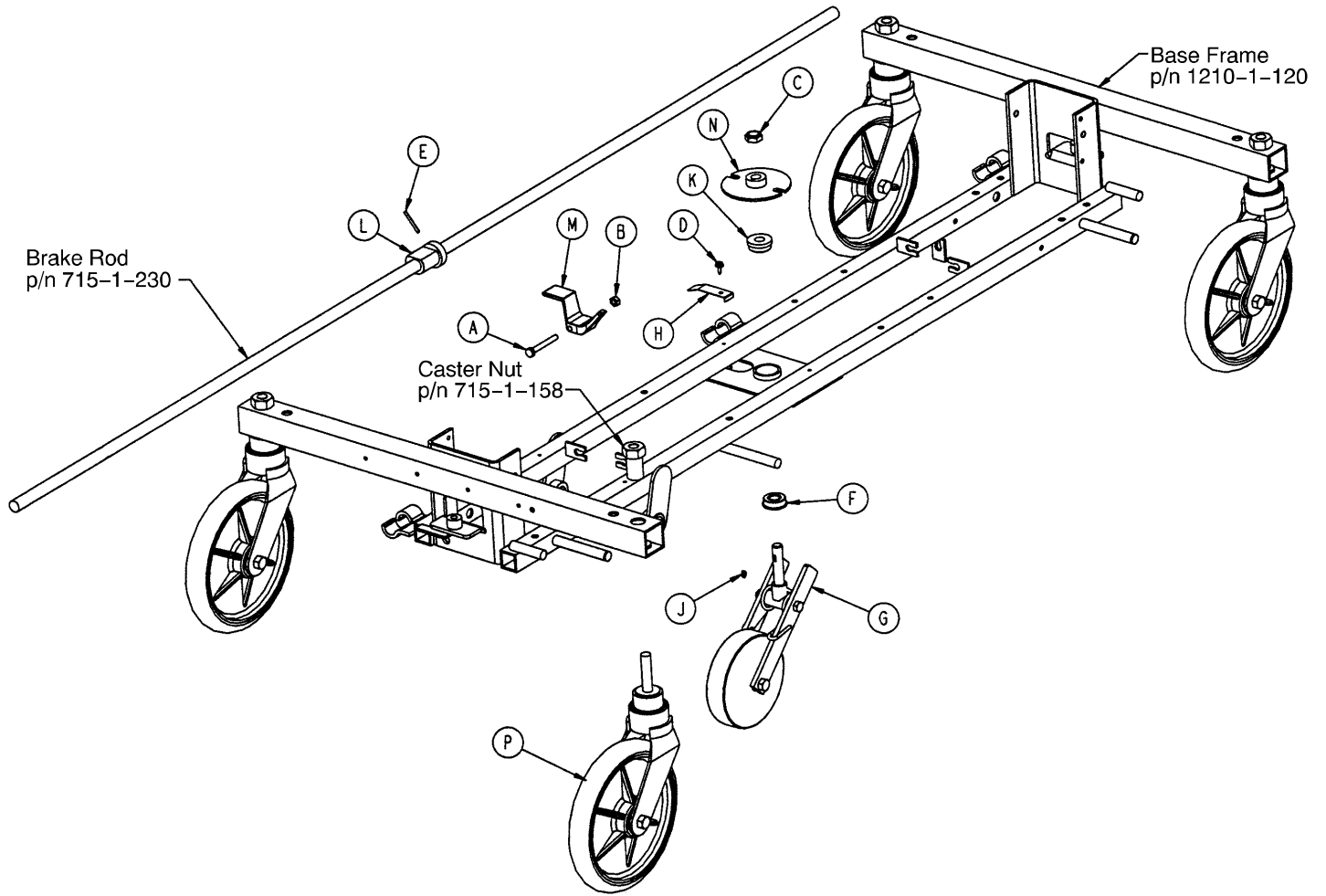
Caster Assembly with Steerlock

Assembly part number 715-2-21
(reference only)



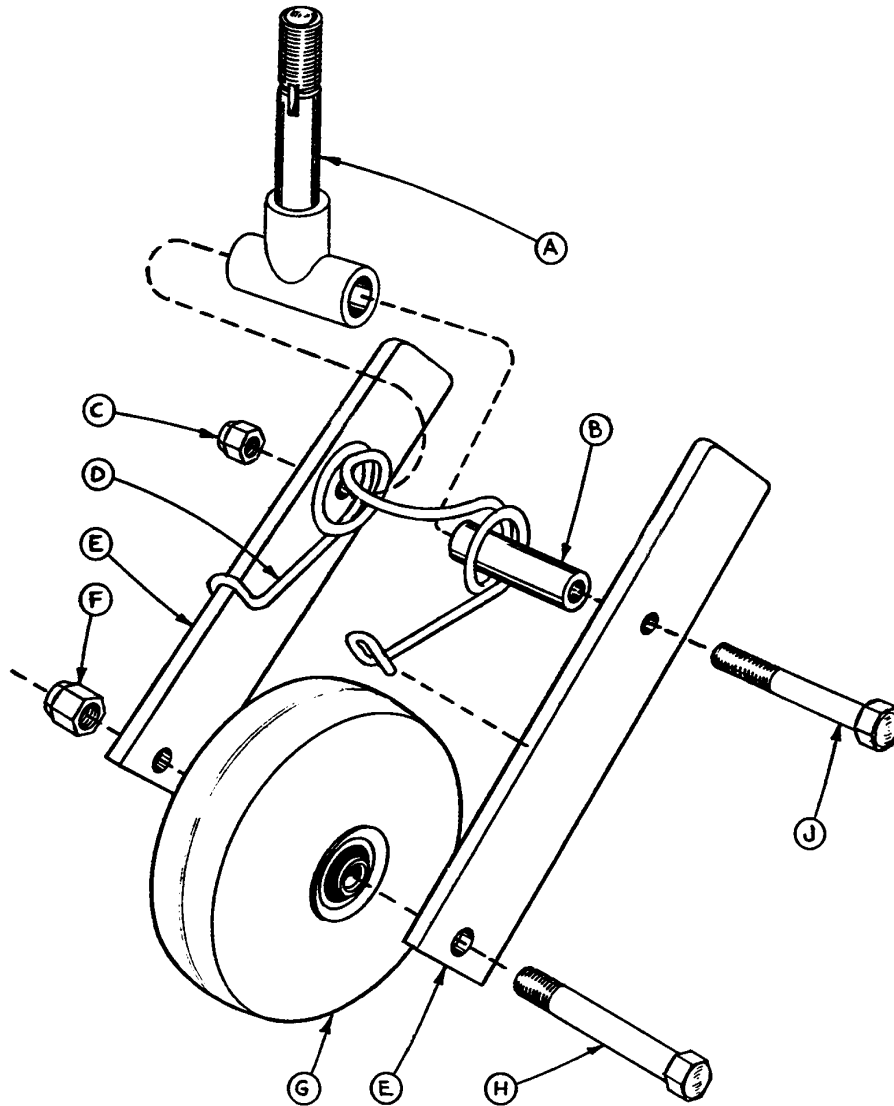
Item	Part No.	Part Name	Qty.
A	700-10-50	Steer Lock Caster Weldment	1
B	715-2-25	Caster Wheel	1
C	16-60	Hex Nut	1
D	3-99	Hex Bolt	1
E	715-3-96	Hex Bolt	1
F	1000-59-10	Latch Assembly	1
H	11-310	Flat Washer	1

Optional Fifth Wheel Base Assembly



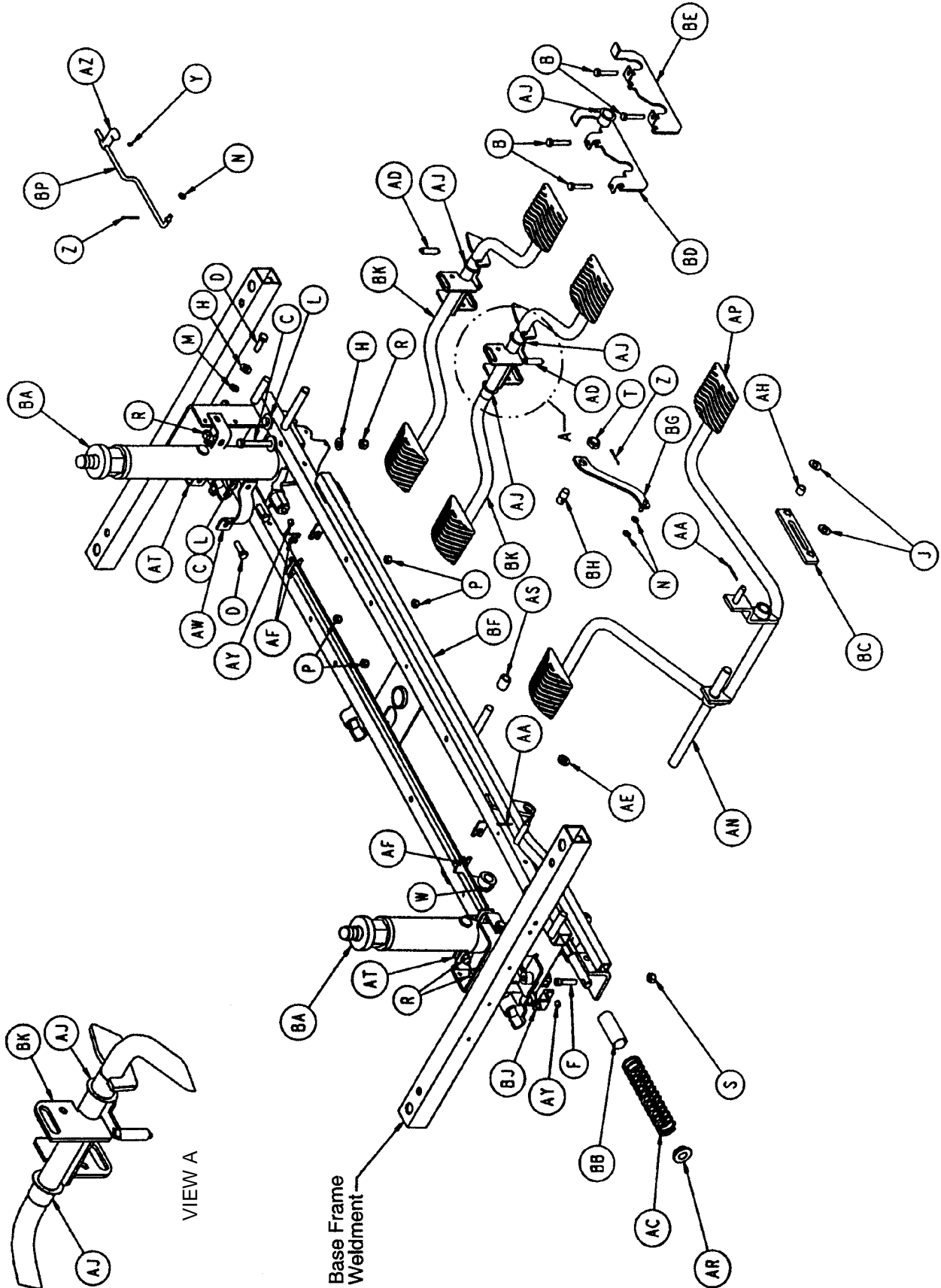
Item	Part No.	Part Name	Qty.
A	3-20	Hex Hd. Cap Screw	1
B	16-16	Fiberlock Nut	1
C	16-49	Nylock Hex Nut	1
D	23-25	Hex Washer Hd. Screw	1
E	26-8	Roll Pin	1
F	81-219	Bearing	1
G	(page 36)	Fifth Wheel Assembly	1
H	715-1-136	Fifth Wheel Spring	1
J	715-1-149	Key	1
K	715-1-157	Fifth Wheel Bearing	1
L	715-1-161	Fifth Wheel Cam	1
M	715-1-217	Fifth Wheel Latch	1
N	715-1-337	Fifth Wheel Plate	1
P	(page 33)	Caster Assembly	4

715-1-25 Optional Fifth Wheel Assembly

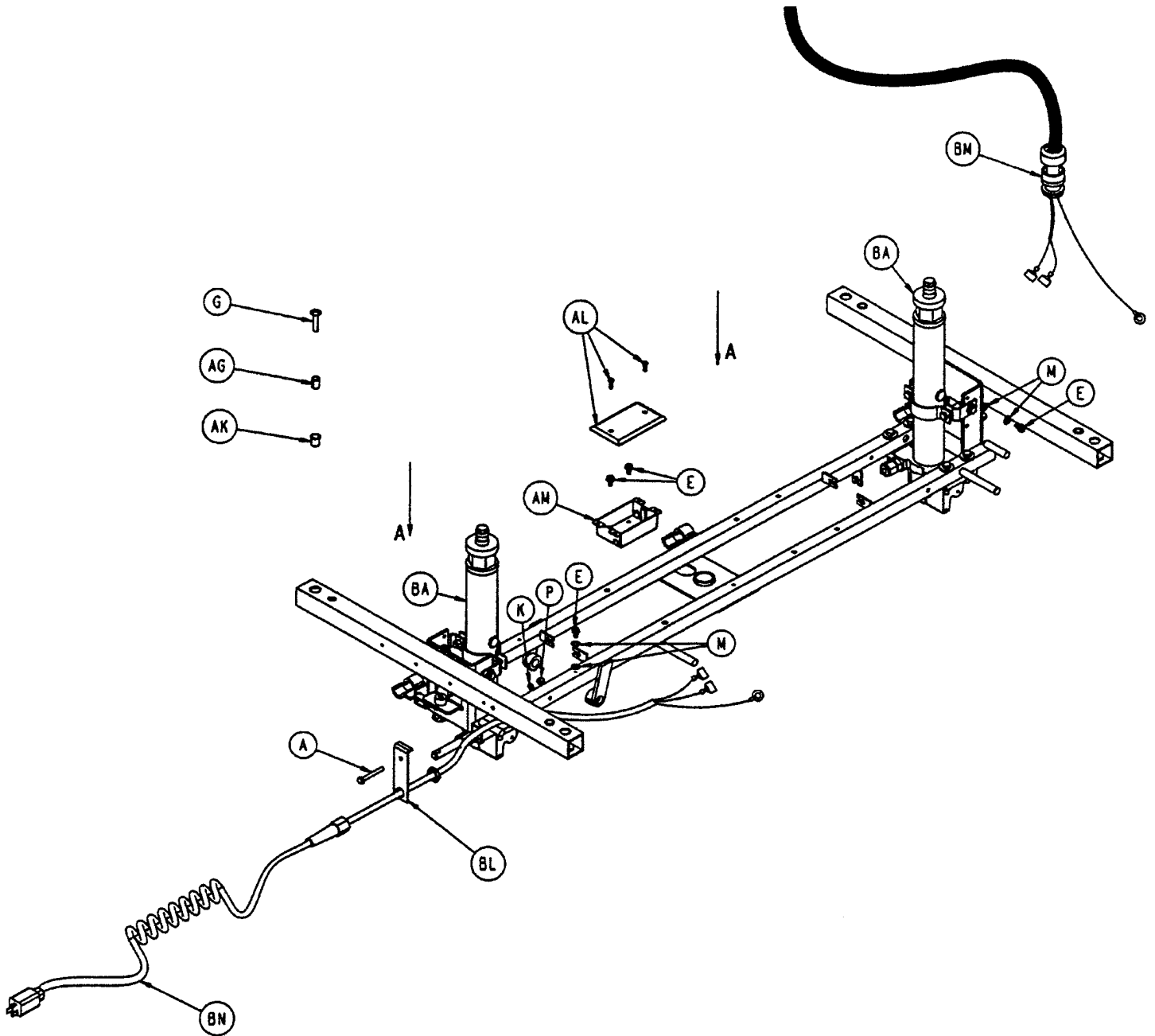


Item	Part No.	Part Name	Qty.
A	715-1-339	Fifth Wheel Pivot Assembly	1
B	715-1-17	Fifth Wheel Bushing	1
C	16-11	Flexlock Nut	1
D	715-1-15	Spring	1
E	715-1-13	Fifth Wheel Bracket	2
F	16-12	Flexlock Nut	1
G	390-1-54	Wheel	1
H	3-31	Hex Head Cap Screw	1
J	3-82	Hex Head Cap Screw	1

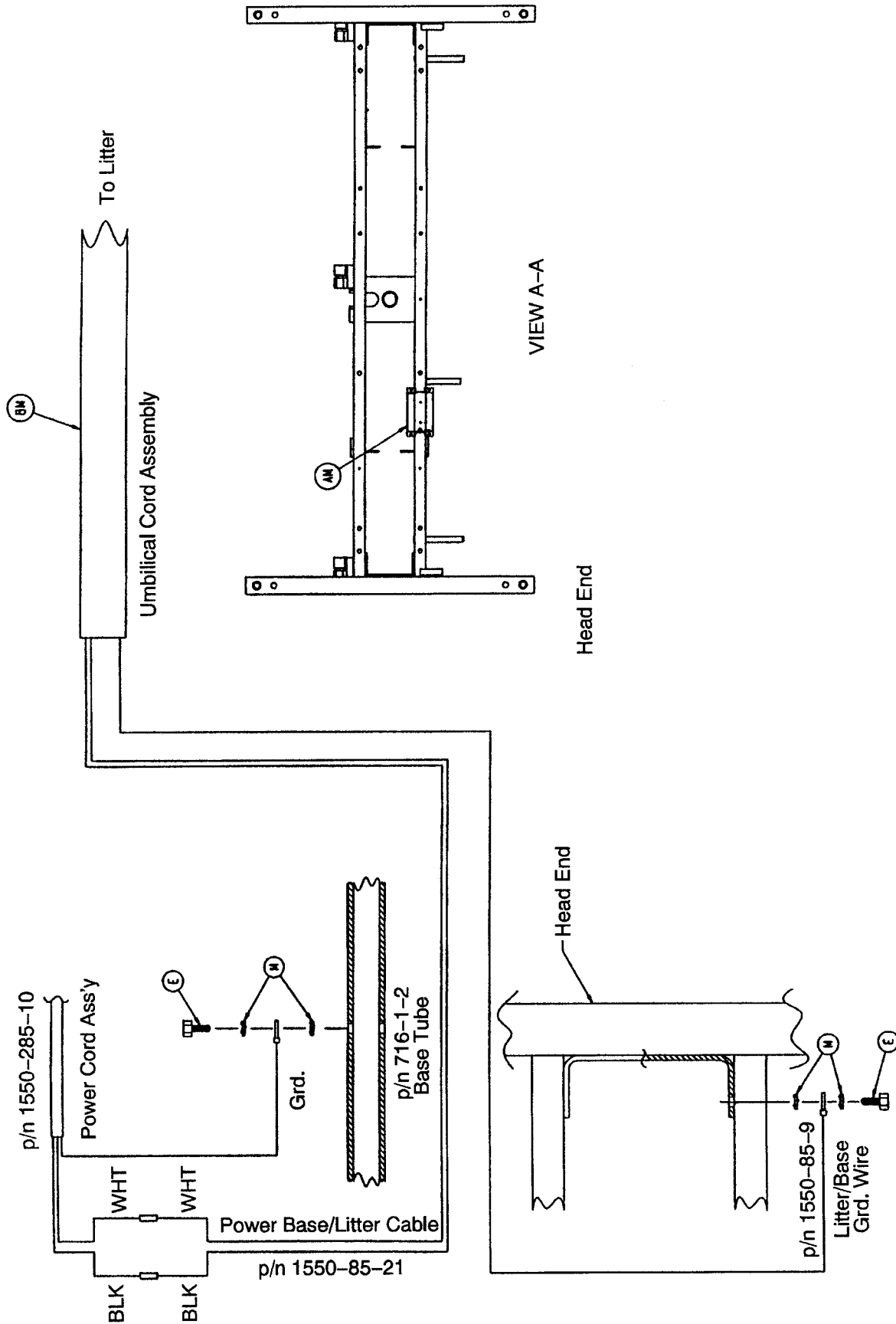
Base Assembly without Electric Lift



Base Assembly without Electric Lift



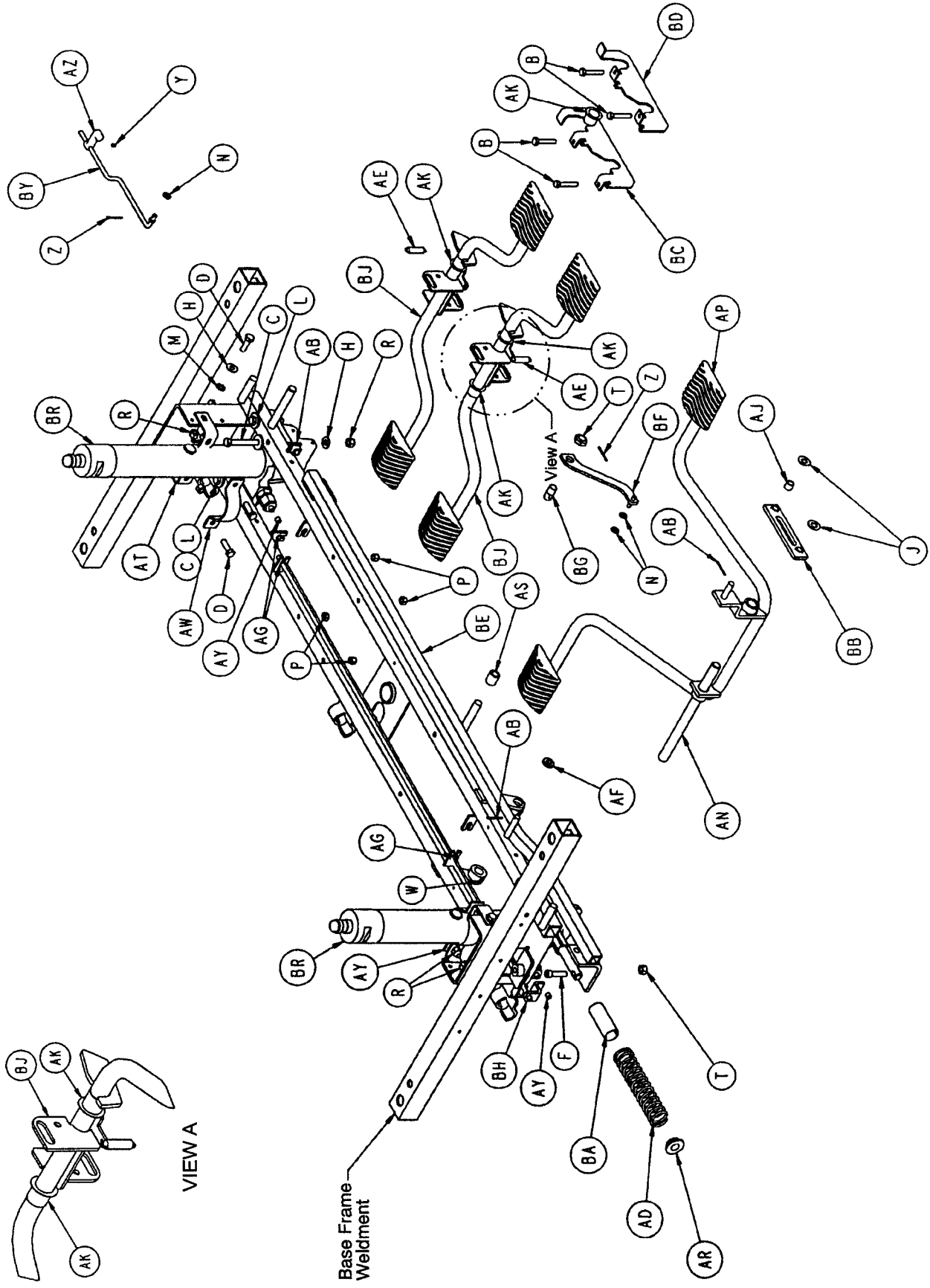
Base Assembly without Electric Lift



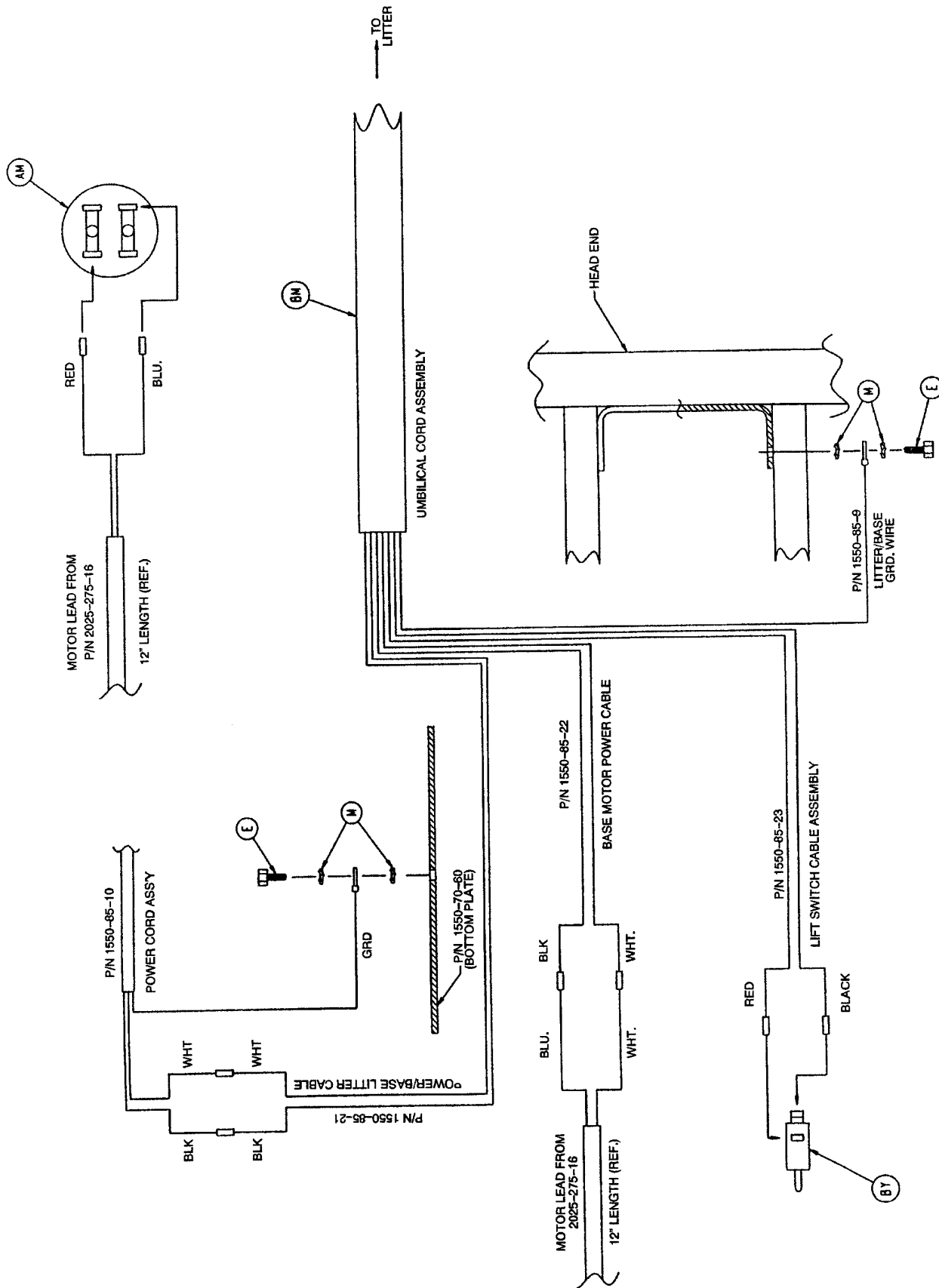
Base Assembly without Electric Lift

Item	Part No.	Part Name	Qty.
A	3-20	Hex Hd. Cap Screw	1
B	3-47	Hex Hd. Cap Screw	4
C	3-62	Hex Hd. Cap Screw	8
D	3-85	Hex Hd. Cap Screw	8
E	3-221	Hex Washer Hd. Screw	4
F	4-146	Soc. Hd. Cap Screw	2
G	7-35	Truss Hd. Screw	4
H	11-3	Washer	12
J	11-4	Washer	2
K	11-65	Washer	1
L	11-262	Washer	8
M	13-38	Ext. Tooth Lock Washer	8
N	14-2	Nylon Washer	3
P	16-28	Fiberlock Nut	5
R	16-36	Fiberlock Nut	16
S	16-48	Fiberlock Nut	2
T	16-49	Nylock Jam Nut	1
W	21-22	Set Screw	2
Y	21-50	Set Screw	1
Z	27-4	Cotter Pin	2
AA	27-7	Cotter Pin	2
AB	38-151	Cable Tie	5
AC	38-246	Compression Spring	1
AD	38-355	Extension Spring	2
AE	52-17	Spacer	1
AF	52-245	Nyliner	3
AG	52-263	Tubular Spacer	4
AH	52-284	Spacer	1
AJ	52-747	Nyliner Bearing	4
AK	55-18	Threaded Insert	4
AL	59-118	Switch Box Cover	1
AM	59-116	Switch Box	1
AN	715-1-92	Pump Pedal Shaft	1
AP	(page 45)	Pedal Base Assembly	1
AR	715-1-133	Collar	1
AS	715-1-140	Vinyl Tubing	1
AT	715-1-192	Jack Support	2
AW	715-1-193	Jack Support Clamp	2
AY	715-1-333	Release Rod Stop Sleeve	2
AZ	715-1-346	Release Paddle	1
BA	(page 46)	Jack Assembly	2
BB	763-1-16	Spring Holder	1
BC	1210-1-104	Pump Pedal Link Assembly	1
BD	1210-1-114	Pedal Pivot, Right	1
BE	1210-1-115	Pedal Pivot, Left	1
BF	1210-1-127	Pump Connecting Rod	1
BG	1210-1-134	Release Pedal Linkage	1
BH	1210-1-138	Release Rod Clamp	1
BJ	1210-1-139	Release Rod	1
BK	(page 45)	Side Release Pedal Assembly	2
BL	1550-1-9	Power Cord Bracket	1
BM	1550-85-25	Umbilical Cord Assembly	1
BN	1550-285-10	Power Cord Assembly	1
BP	5050-1-222	Head End Linkage	1

Electric Lift Base Assembly



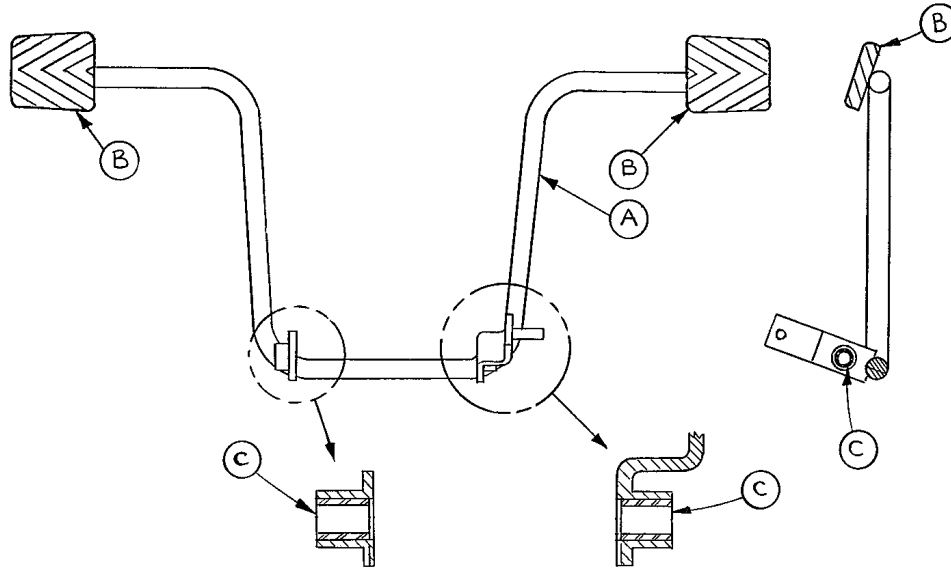
Electric Lift Base Assembly



Electric Lift Base Assembly

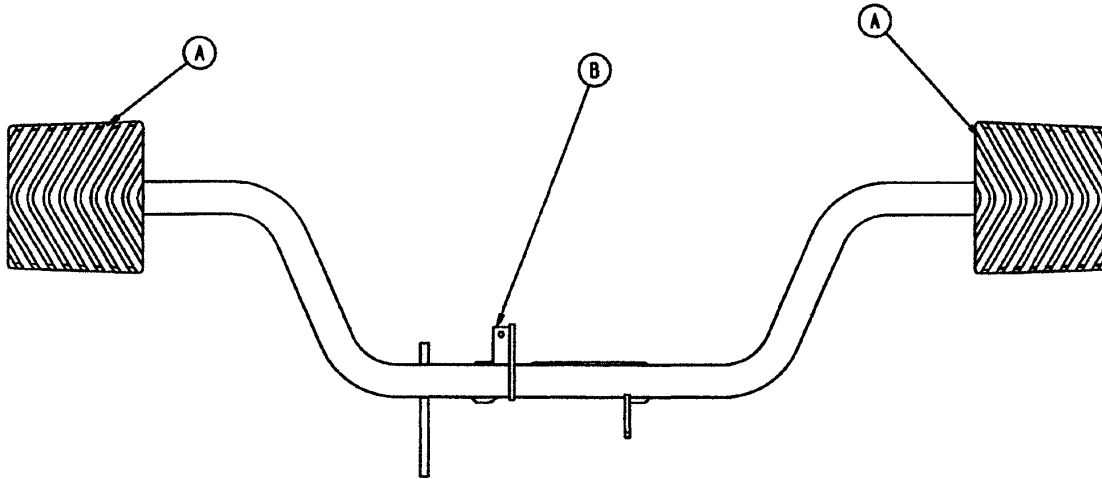
Item	Part No.	Part Name	Qty.
A	3-20	Hex Hd. Cap Screw	3
B	3-47	Hex Hd. Cap Screw	5
C	3-62	Hex Hd. Cap Screw	8
D	3-85	Hex Hd. Cap Screw	8
E	3-221	Hex Washer Hd. Screw	5
F	4-146	Soc. Hd. Cap Screw	2
G	7-35	Truss Hd. Screw	4
H	11-3	Washer	14
J	11-4	Washer	2
K	11-65	Washer	1
L	11-262	Washer	12
M	13-38	Ext. Tooth Lock Washer	13
N	14-2	Nylon Washer	3
P	16-28	Fiberlock Nut	7
R	16-36	Fiberlock Nut	16
S	16-48	Fiberlock Nut	2
T	16-49	Nylock Jam Nut	1
W	21-22	Set Screw	2
Y	21-50	Set Screw	1
Z	27-4	Cotter Pin	2
AA	27-7	Cotter Pin	2
AB	37-75	Hole Plug	1
AC	38-151	Cable Tie	8
AD	38-246	Compression Spring	1
AE	38-355	Extension Spring	2
AF	52-17	Spacer	1
AG	52-245	Nyliner	3
AH	52-263	Tubular Spacer	4
AJ	52-284	Spacer	1
AK	52-747	Nyliner Bearing	4
AL	55-18	Threaded Insert	4
AN	715-1-92	Pump Pedal Shaft	1
AP	(page 45)	Pump Pedal Assembly	1
AR	715-1-133	Collar	1
AS	715-1-140	Vinyl Tubing	1
AT	715-1-192	Jack Support	2
AW	715-1-193	Jack Support Clamp	2
AY	715-1-333	Release Rod Stop Sleeve	2
AZ	715-1-346	Release Paddle	1
BA	763-1-16	Spring Holder	1
BB	1210-1-104	Pump Pedal Link Assembly	1
BC	1210-1-114	Pedal Pivot, Right	1
BD	1210-1-115	Pedal Pivot, Left	1
BE	1210-1-127	Pump Connecting Rod	1
BF	1210-1-134	Release Pedal Linkage	1
BG	1210-1-138	Release Rod Clamp	1
BH	1210-1-139	Release Rod	1
BJ	(page 45)	Side Release Pedal Assembly	2
BK	1550-1-9	Power Cord Bracket	1
BL	1550-1-60	Cherry Switch Bracket	1
BM	1550-85-20	Umbilical Cord Assembly	1
BN	1550-90-13	Caution Label	1
BP	1550-285-10	Power Cord Assembly	1
BR	(page 48 & 49)	Jack/Pump Motor Ass'y	1
BS	2025-375-89	Pump/Motor Top Cover	1
BT	3000-300-58	Plunger Switch	1
BW	3000-300-604	Warning Label	1
BY	5050-1-222	Head End Linkage	1

715-1-108 Side Pump Pedal Assembly



Item	Part No.	Part Name	Qty.
A	715-1-83	Pedal Ass'y Weldm't, Pump	1
B	715-1-126	Side Control Pedal Pad	2
C	81-44	Bearing, Bronze	2

1210-1-150 Side Release Pedal Assembly

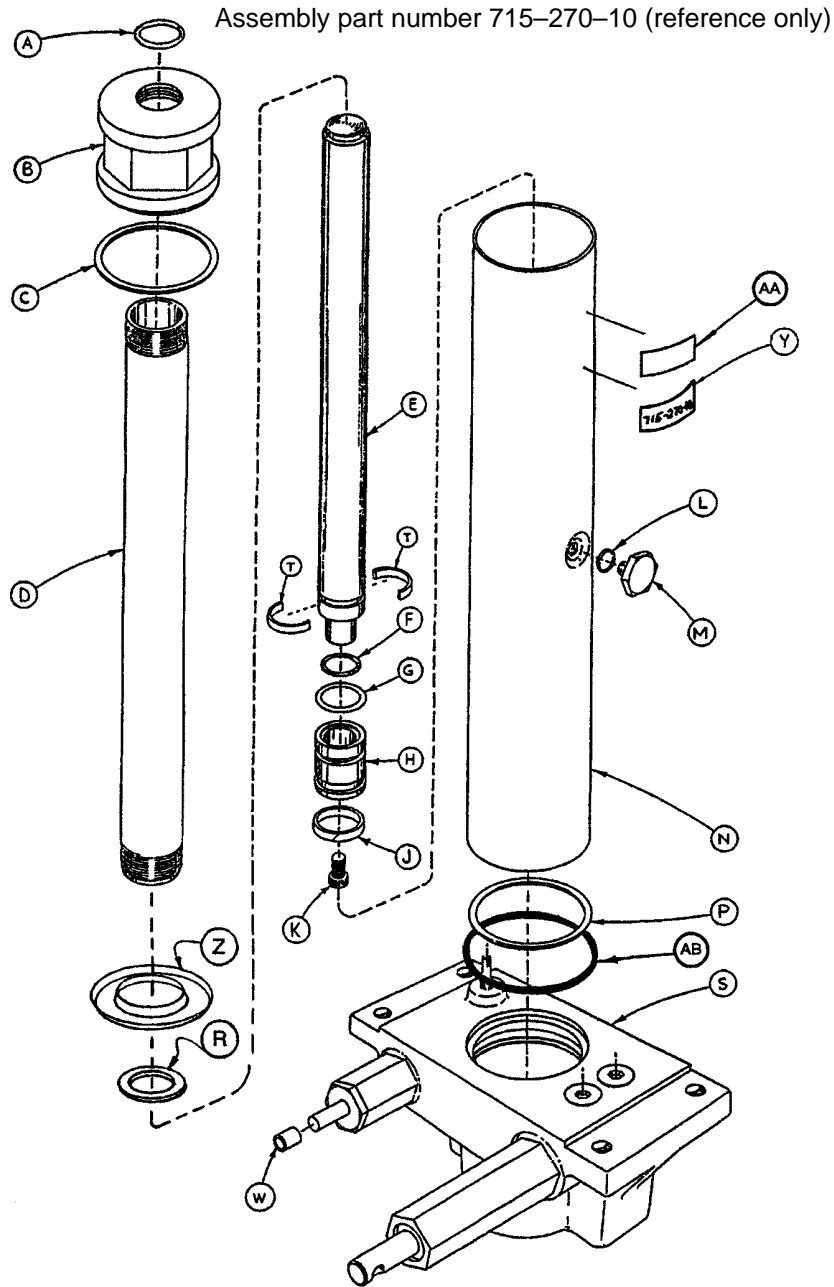


Item	Part No.	Part Name	Qty.
A	715-1-126	Side Control Pedal Pad	2
B	1210-1-152	Side Release Pedal Weldment	1

NOTE

Apply plastic adhesive to the mating surfaces of the pedal pad prior to assembly.

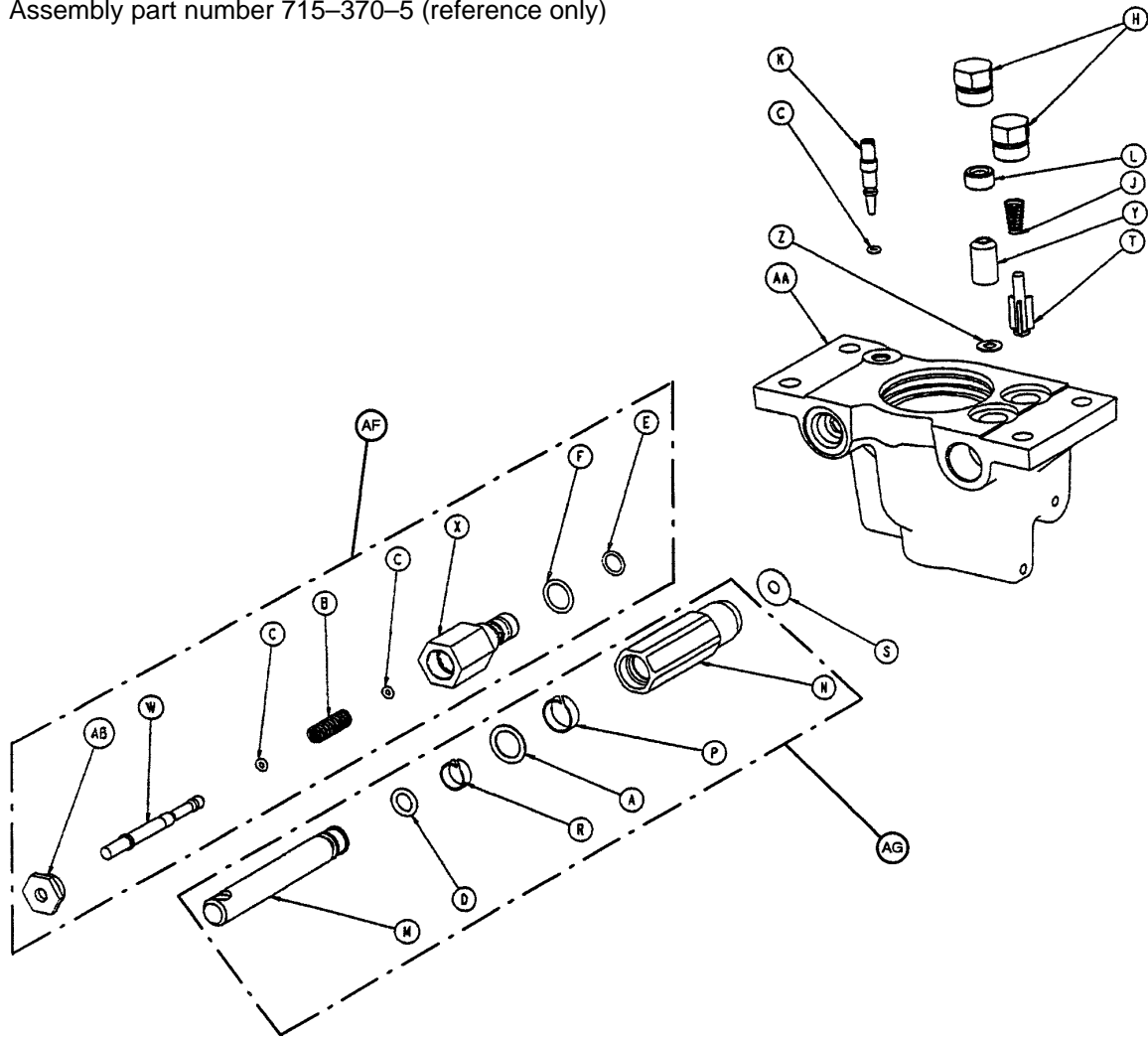
715-270-400 Jack Assembly, Non-Electric Lift Base



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	45-904	O-Ring	1	M	388-1-38	Plug	1
B	715-1-340	Cap Assembly	1	N	715-1-322	Reservoir	1
C	390-1-243	Gasket	1	P	390-1-244	Gasket	1
D	715-1-323	Actuator Cylinder	1	R	390-1-238	Gasket, Actuator	1
E	715-1-325	Actuator	1	S	(Page 47)	Jack Base Assembly	1
F	45-14	O-Ring	1	T	390-2-139	Retaining Collar	2
G	926-20-161	Parker Packing	1	W	715-1-333	Rel. Valve Stop Sleeve	1
H	715-1-331	Piston End	1	Y	715-270-11	Label	1
J	926-20-162	Wear Ring	1	Z	715-1-320	Jack Screen	1
K	4-14	Soc. Hd. Cap Screw	1	AA	921-1-252	Serial No. Label	1
L	45-110	O-Ring	1	AB	45-978	O-Ring	1

Jack Base Assembly, Non-Electric Lift Base

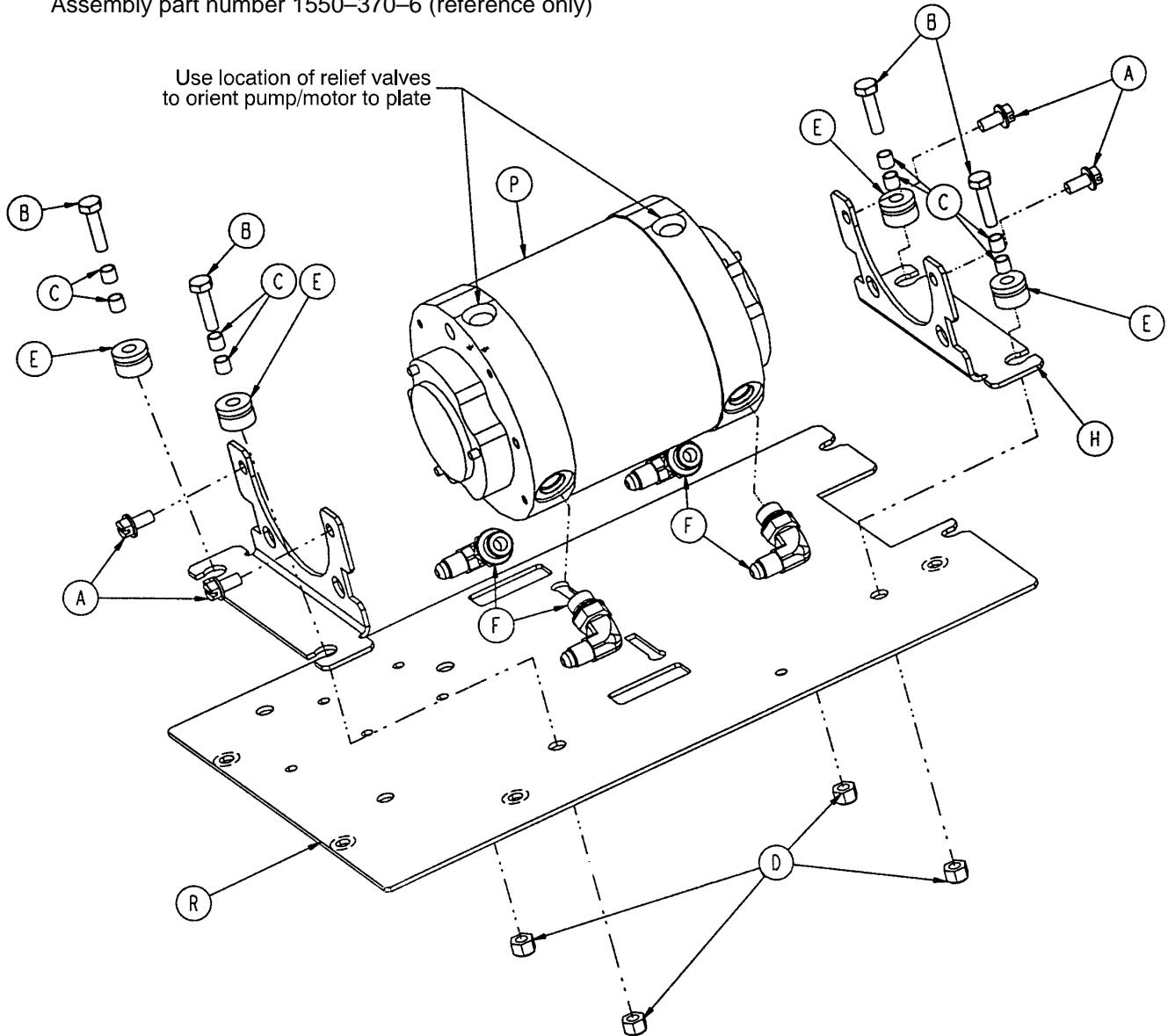
Assembly part number 715-370-5 (reference only)



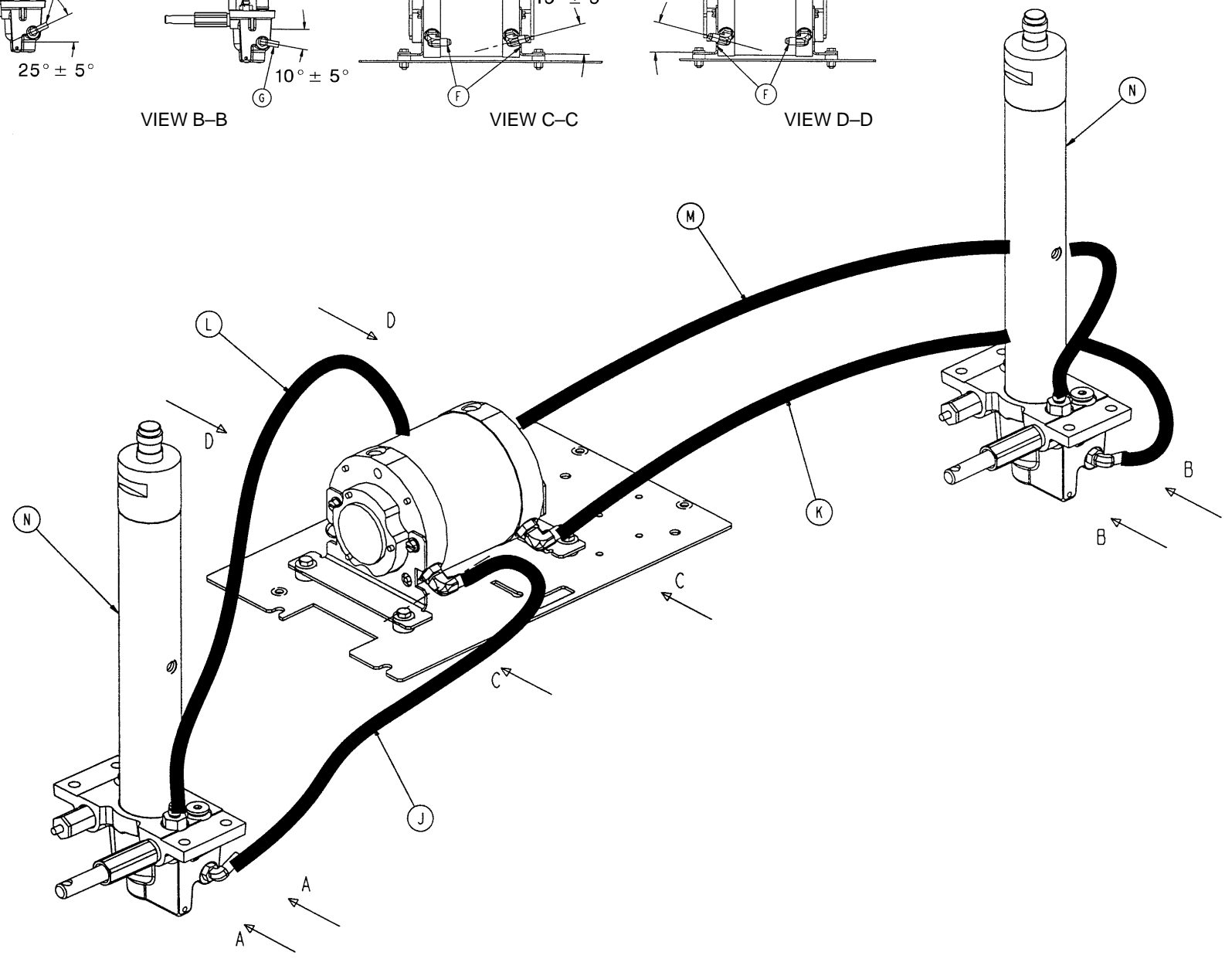
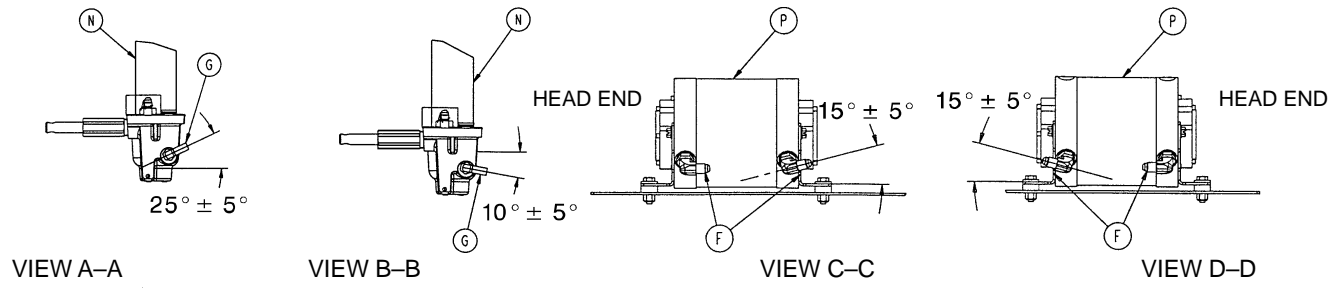
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	14-50	Bearing Retainer	1	P	715-1-327	Cylinder Wear Ring	1
B	38-311	Compression Spring	1	R	715-1-328	Piston Wear Ring	1
C	45-6	O-Ring	3	S	715-1-329	Pump Seal	1
D	45-110	O-Ring	1	T	715-1-341	Poppet	1
E	45-966	O-Ring	1	W	715-270-1	Pin	1
F	45-967	O-Ring	1	X	715-270-2	Pin Housing	1
H	48-147	Base Plug	2	Y	926-20-153	Check Valve	1
J	390-2-134	Conical Comp. Spring	1	Z	926-20-154	Seal	1
K	715-1-307	Needle Valve	1	AA	1210-70-12	Jack Base	1
L	715-1-309	Valve Plug	1	AB	1210-70-13	Base Plug	1
M	715-1-318	Pump Piston	1	AF	715-270-100	Valve Assembly	1
N	715-1-316	Pump Cylinder	1	AF	715-100-325	Pump Piston Ass'y	1

Jack Pump/Motor Assembly

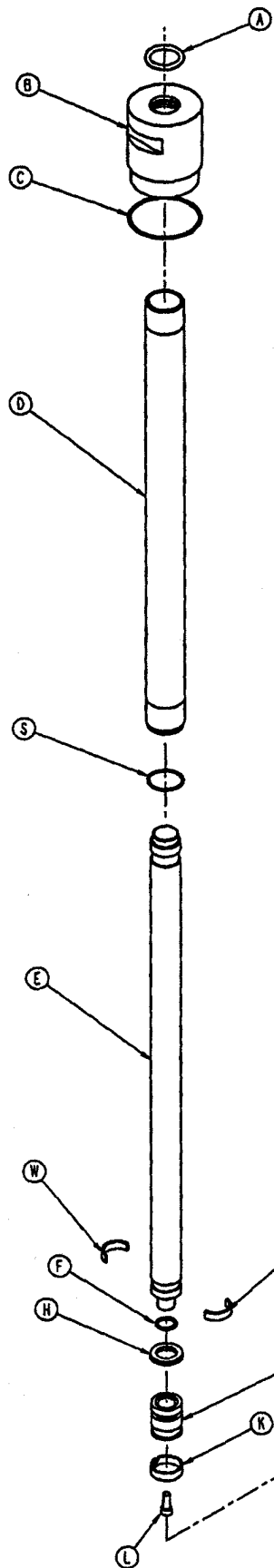
Assembly part number 1550-370-6 (reference only)



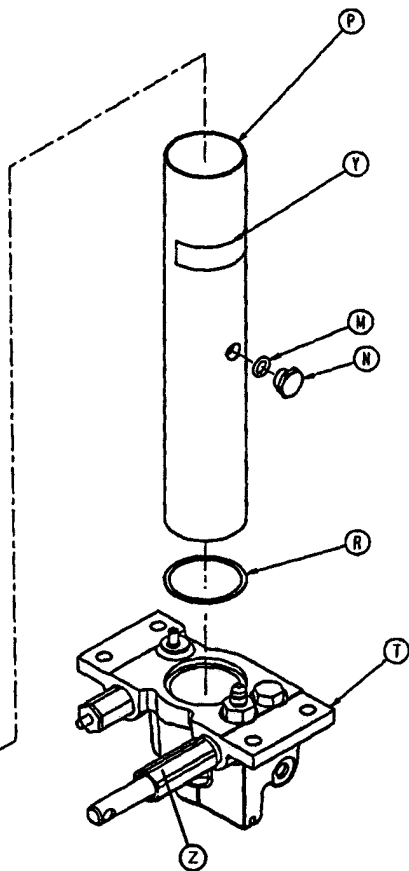
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	3-121	Hex Washer Hd. Screw	4	J	1550-71-8	Short Return Line	1
B	3-3	Hex Hd. Cap Screw	4	K	1550-271-2	Long Return Line	1
C	715-1-333	Rel. Valve Stop Sleeve	8	L	1550-71-7	Short Pressure Line	1
D	16-28	Nylock Nut	4	M	1550-71-1	Long Pressure Line	1
E	30-40	E-A-R Grommet	4	N	(page 50)	Jack Assembly	2
F	48-144	90° Elbow O-Ring Fitting	4	P	2025-275-16	Pump Motor	1
G	48-146	90° Elbow O-Ring Fitting	2	R	1550-70-60	Bottom Plate	1
H	2025-75-84	Pump Motor Mtg. Bracket	2				



1550-270-5 Jack Assembly, Electric Lift Base

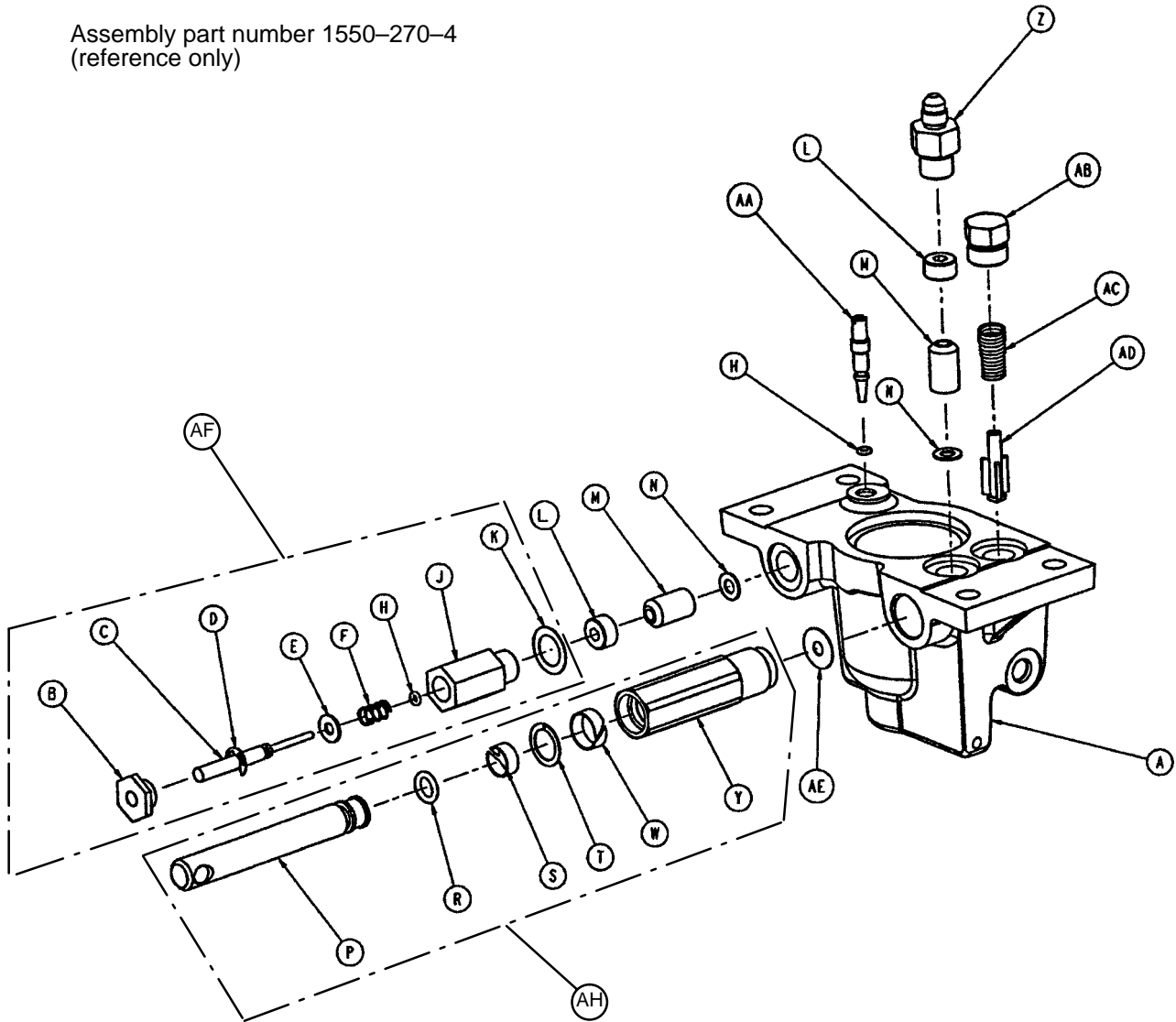


Item	Part No.	Part Name	Qty.
A	45-904	Quad Ring	1
B	1550-70-6	Cap Assembly	1
C	390-1-243	Gasket	1
D	1550-70-4	Actuator Cylinder	1
E	715-1-325	Actuator	1
F	45-14	O-Ring	1
H	926-20-161	Parker Packing	1
J	715-1-331	Piston End	1
K	926-20-162	Wear Ring	1
L	4-14	Soc. Hd. Cap Screw	1
M	45-110	O-Ring	1
N	388-1-38	Plug	1
P	715-1-322	Reservoir	1
R	390-1-244	Gasket	1
S	390-1-238	Actuator Gasket	1
T	(page 51)	Jack Base Assembly	1
W	390-2-139	Retaining Collar	2
Y	1550-90-11	Label	1
Z	715-100-325	Repl. Pump Piston Assembly	1



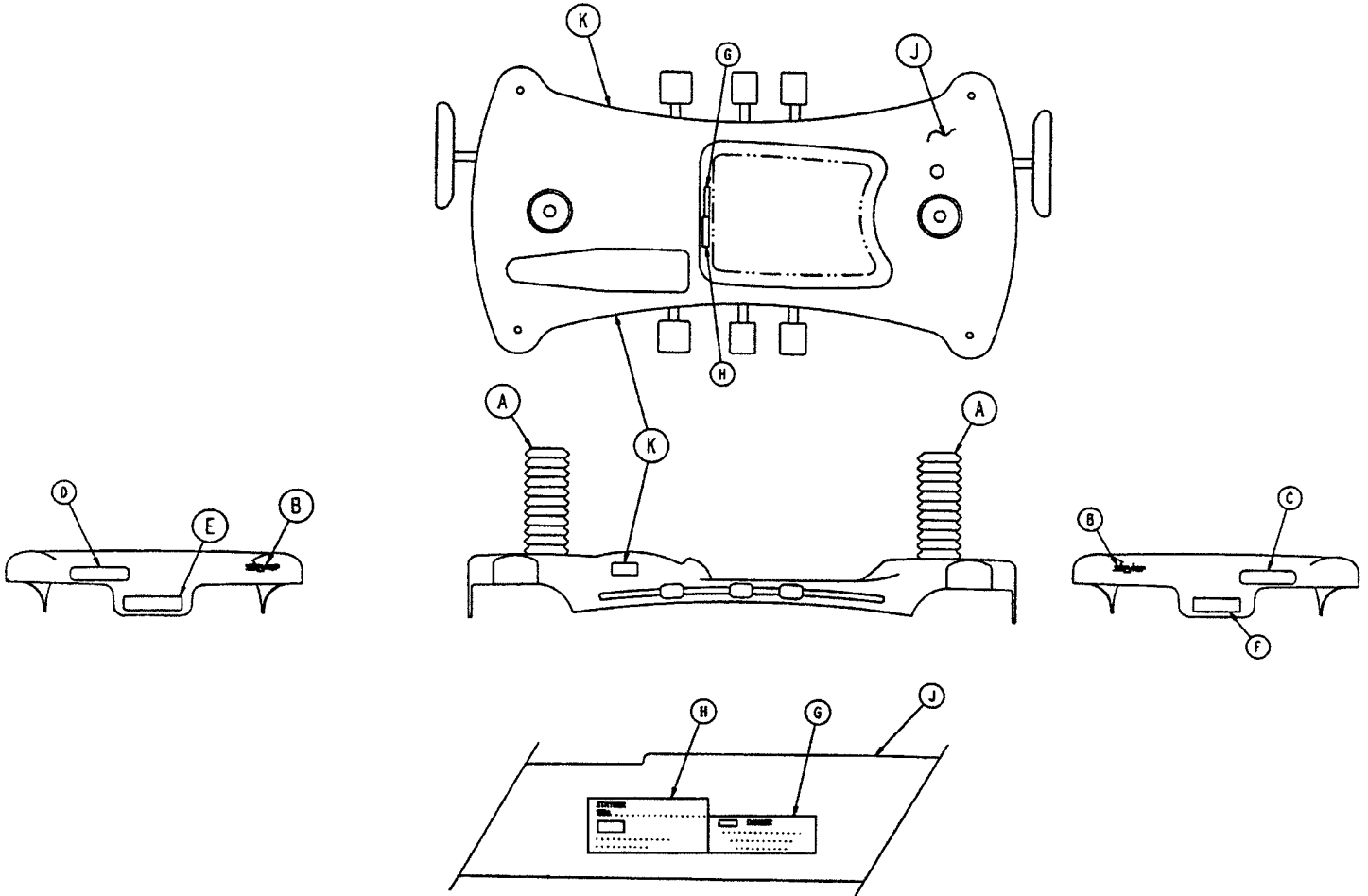
Jack Base Assembly, Electric Lift Base

Assembly part number 1550-270-4
(reference only)



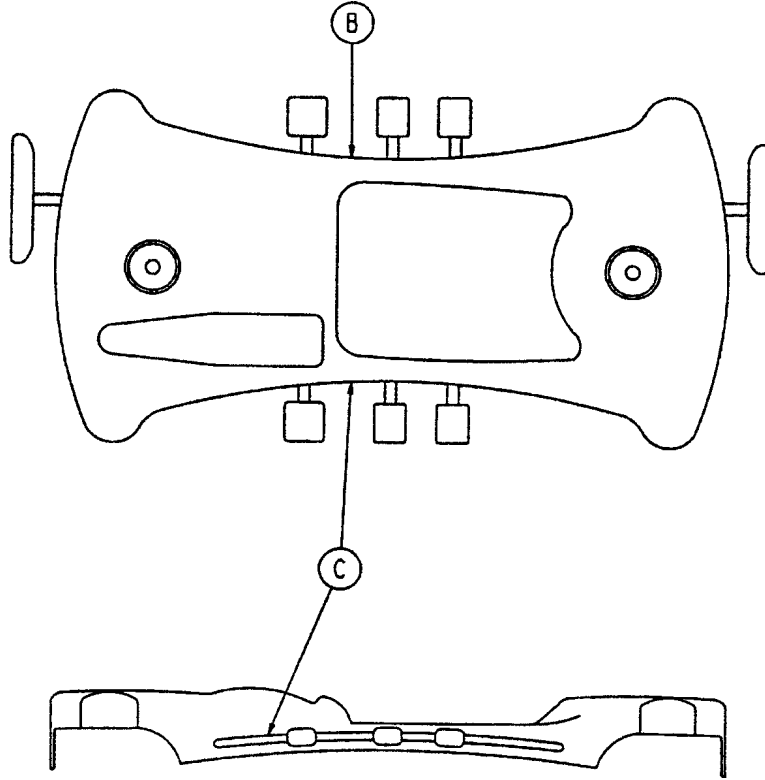
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550-70-12	Jack Base, Machined	1	R	45-110	O-Ring	1
B	715-1-308	Base Plug	1	S	715-1-328	Piston Wear Ring	1
C	715-1-306	Pin	1	T	14-50	Bearing Retainer	1
D	28-8	Snap Ring	1	W	715-1-327	Cylinder Wear Ring	1
E	390-2-176	Washer	1	Y	715-1-316	Pump Cylinder	1
F	38-231	Compression Spring	1	Z	48-150	Check Valve	1
H	45-6	O-Ring	3	AA	715-1-307	Needle Valve	1
J	715-1-305	Pin Housing	1	AB	48-147	Hex Hd. O-Ring Plug	1
K	715-1-330	Housing Gasket	1	AC	390-2-134	Compression Spring	1
L	715-1-309	Valve Plug	1	AD	715-1-341	Poppet	1
M	926-20-153	Check Valve	1	AE	715-1-329	Pump Seal	1
N	926-20-154	Seal	1	AF	715-100-312	Valve Assembly	1
P	715-1-318	Pump Piston	1	AH	715-100-325	Pump Piston Assembly	1

Base Labeling Assembly



Item	Part No.	Part Name	Qty.
A	715-1-134	Bellows	2
B	946-1-60	Stryker Logo Label	2
C	1210-750-8	Brake/Steer Label, Foot	1
D	1210-750-9	Brake/Steer Label, Head	1
E	1550-90-1	Grounding Caution Label	1
F	1550-90-13	Electric Shock Caution Label	1
G	1550-90-18	Explosion Danger Label	1
H	1550-290-2	Specification Label	1
J	1550-345-2	Base Hood	1
K	1550-90-3	Synergy Series Logo Label	2

Base Labeling Assembly



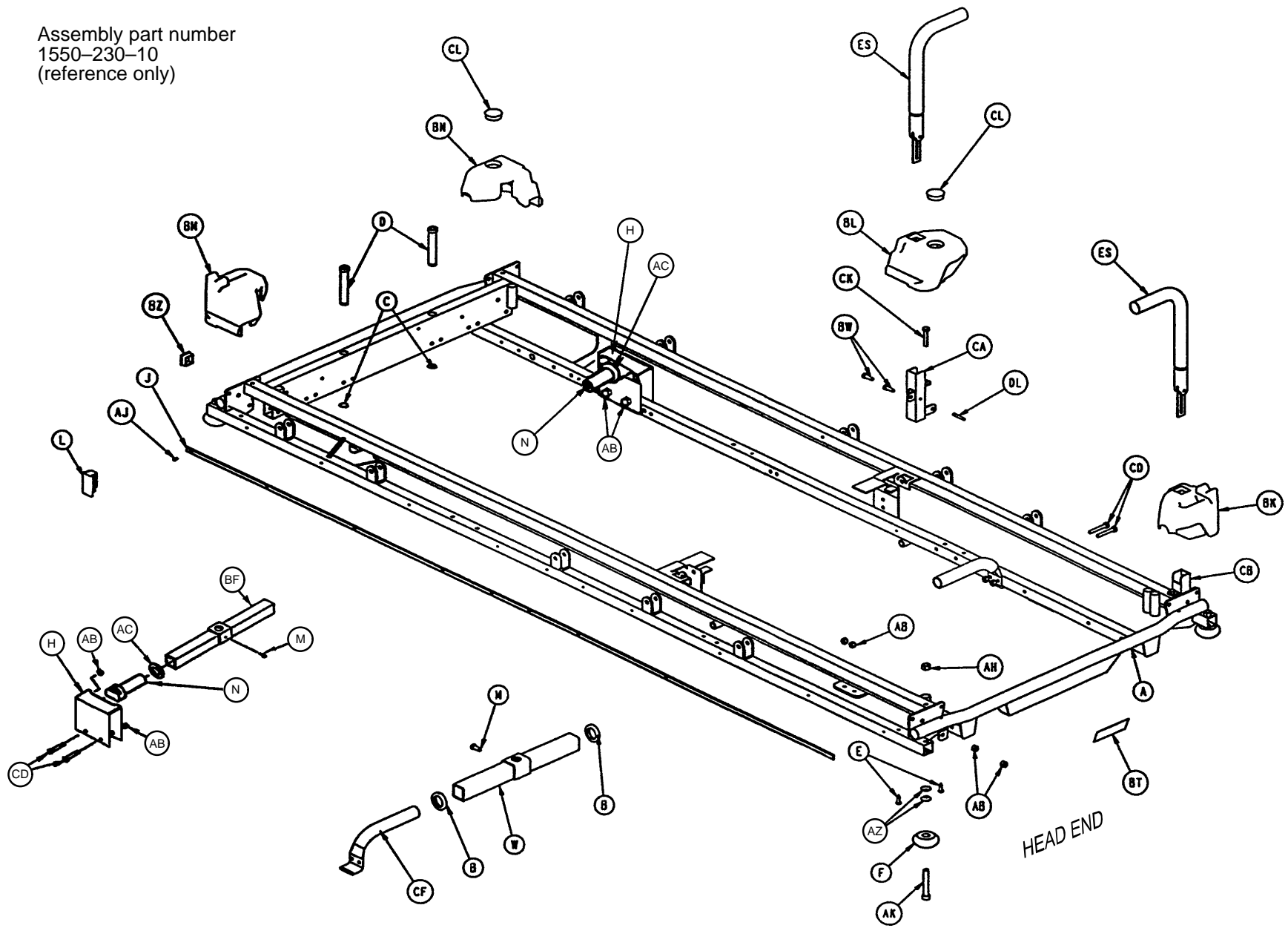
Color	Item B Control Label, Left	Item C Control Label, Right	Litter Bumper Strip (not shown)
RED	1210-800-11	1210-800-12	1010-700-15
PURPLE	1210-800-21	1210-800-22	1010-700-25
GREEN	1210-800-31	1210-800-32	1010-700-35
GRAY	1210-800-41	1210-800-42	1010-700-45
TEAL	1210-800-51	1210-800-52	1010-700-55
PINK	1210-800-61	1210-800-62	1010-700-65
BLUE	1210-800-71	1210-800-72	1010-700-75

Department	Label Part Number	Department	Label Part Number
Emergency	1010-900-1	Endoscopy	1010-900-7
P.A.C.U.	1010-900-2	Radiology	1010-900-8
Transport	1010-900-3	Nuclear Medicine	1010-900-9
Surgery	1010-900-4	Ambulatory Surgery	1010-900-10
Extended Stay	1010-900-5	G.I. Lab	1010-900-11
Maternity	1010-900-6	Cath. Lab	1010-900-12

NOTE

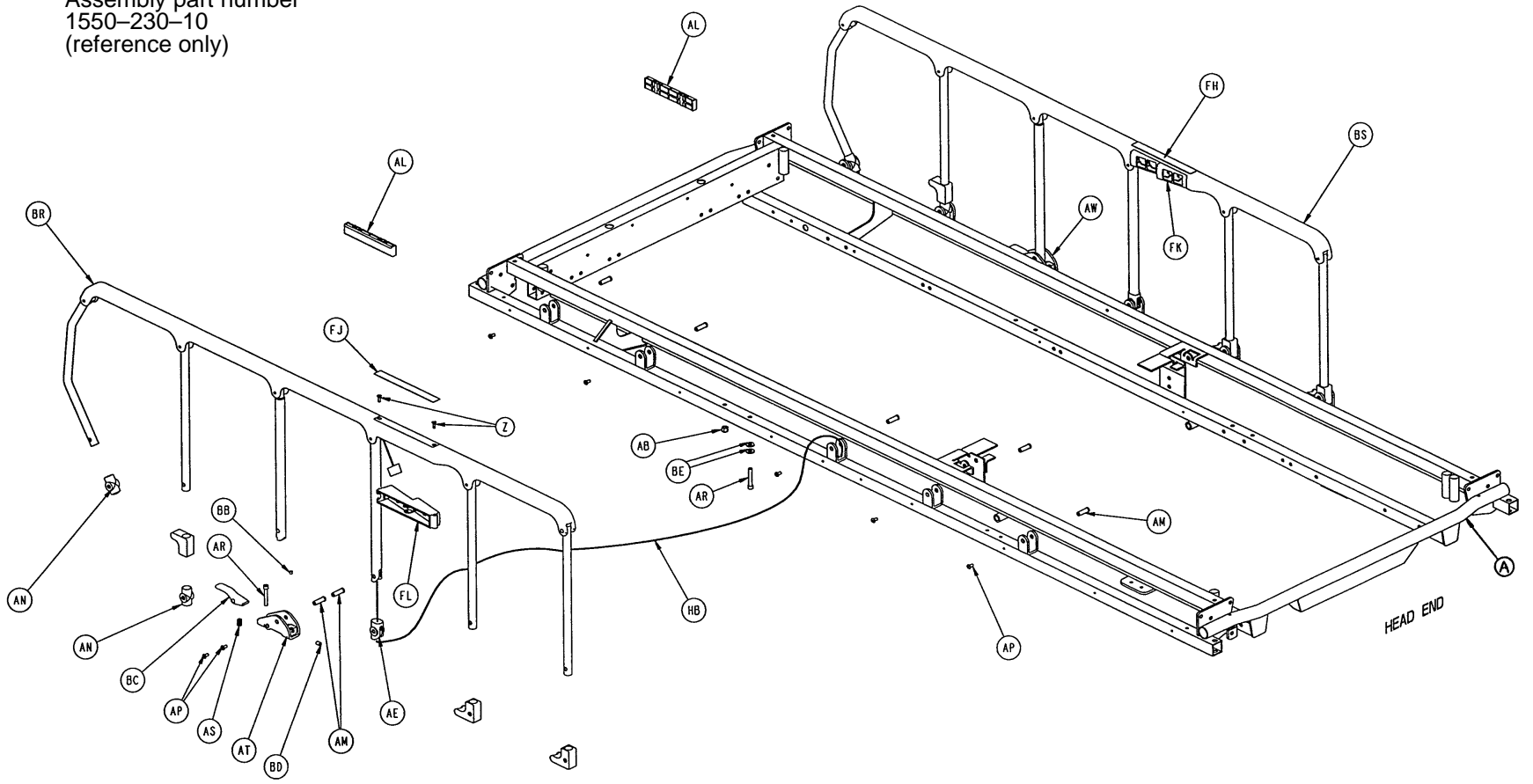
All department labels require a quantity of two.

Assembly part number
1550-230-10
(reference only)



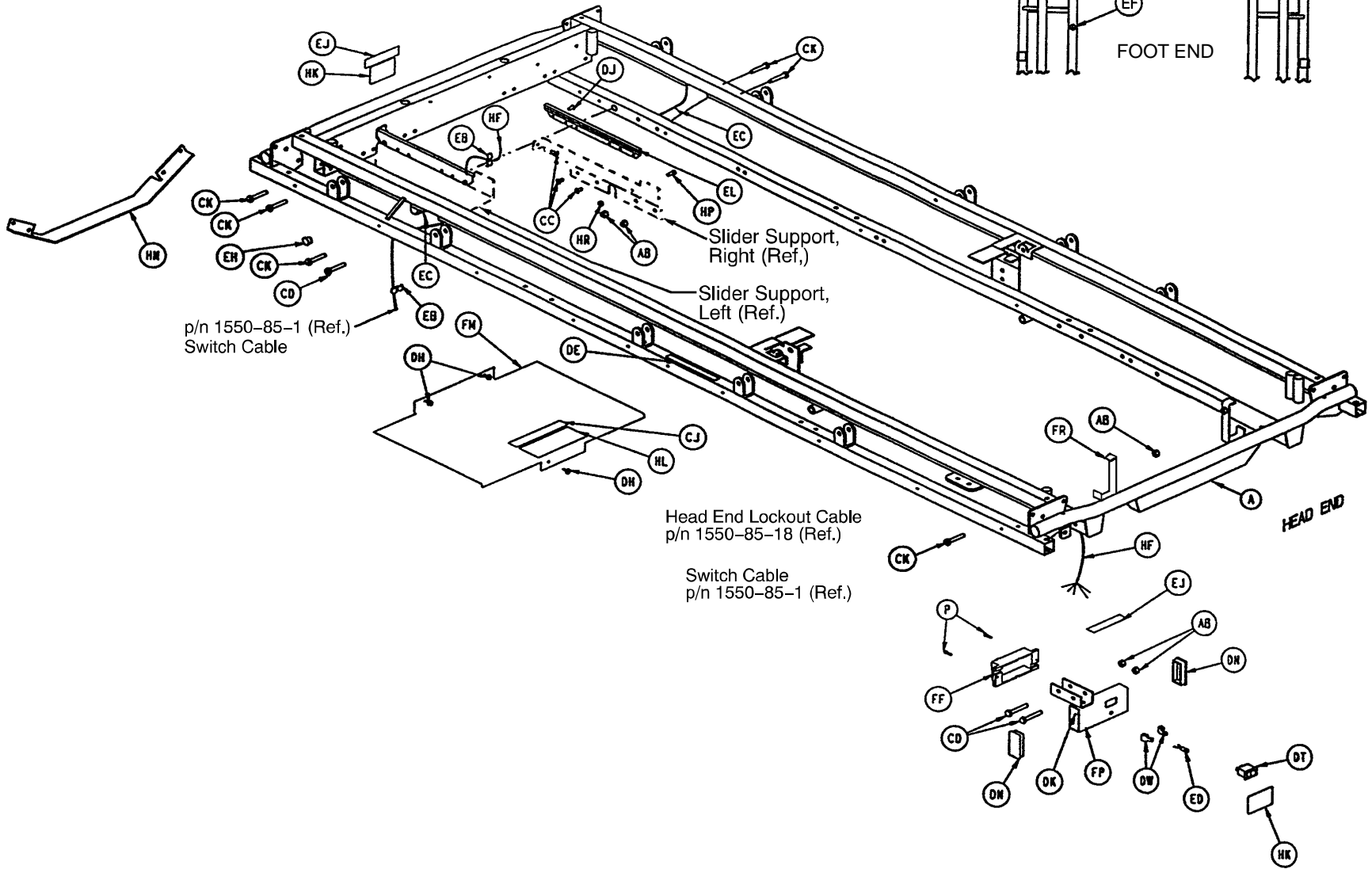
Assembly part number
1550-230-10
(reference only)

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Litter Assembly

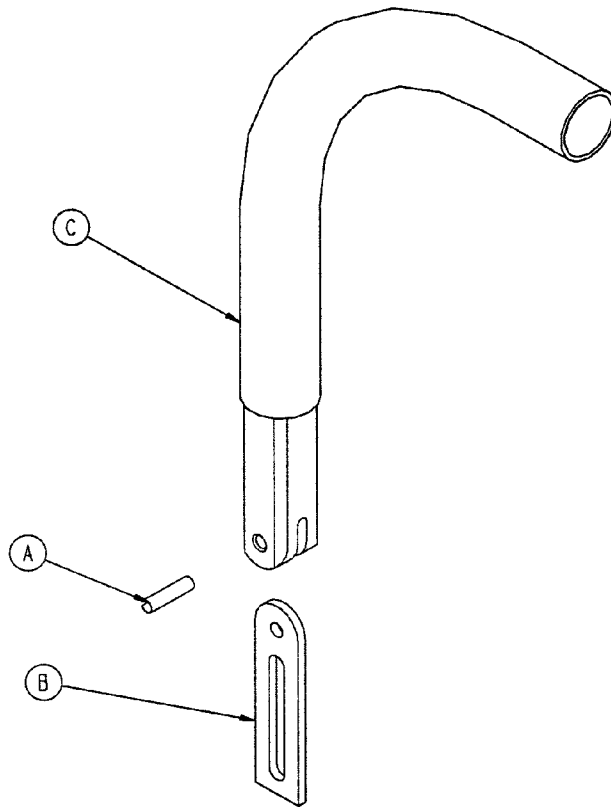
Assembly part number
1550-230-10
(reference only)



Litter Assembly

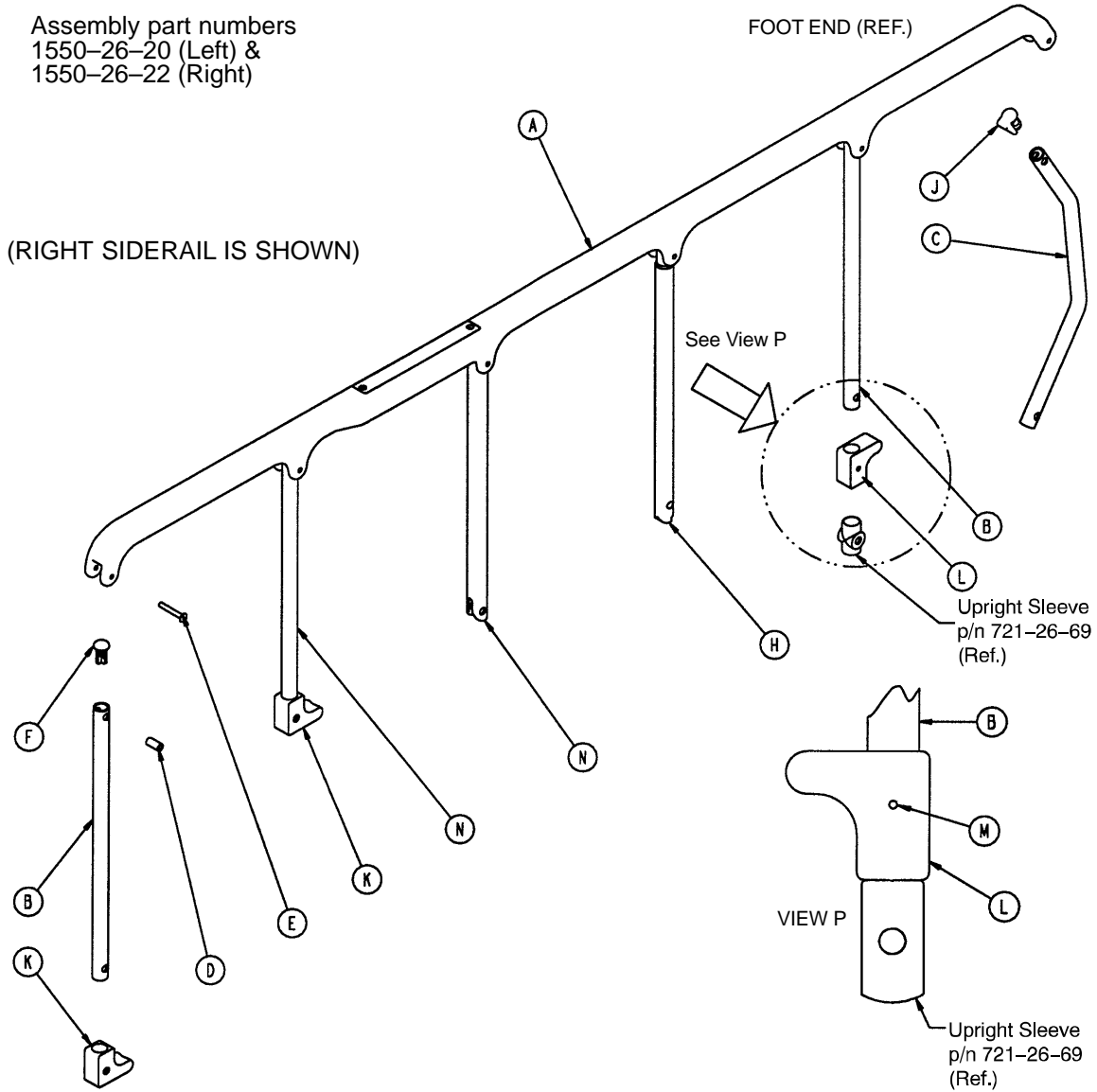
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
BT	946-1-60	Logo Label	1	EJ	1550-90-20	O2 Caution Label	2
BW	3-1	Hex Hd. Cap Screw	5	EL	1510-34-90	Slider Pad	2
BZ	37-10	Hole Plug	2	EN	946-1-155	Bumper	2
CA	1010-254-4	Receptacle Ass'y, Lt.	1	EP	988-2-676	Earth Ground Jumper	3
CB	1010-254-6	Receptacle Ass'y, Rt.	1	ER	1001-34-25	Hole Plug	4
CC	25-50	Pop Rivet	11	ES	(page 60)	Push Handle Assembly	2
CD	3-78	Hex Hd. Cap Screw	11	ET	1501-33-24	Fowler Lever Assembly	1
CE	2-31	Round Hd. Mach. Screw	2	EW	1501-34-11	Thigh Frame Assembly	1
CF	1001-1-37	Head Jack Supt. Tube	2	EZ	1501-34-12	Calf Frame Assembly	1
CH	3-41	Hex Hd. Cap Screw	1	FA	1501-34-23	Midsection Supt. Ass'y	1
CJ	1550-90-30	Litter Fuse Label	1	FC	1510-234-27	Midsection Skin	1
CK	3-47	Hex Hd. Cap Screw	19	FF	1550-1-31	Weigh Board Cover	1
CL	37-59	Hole Plug	1	FH	1550-26-9	Top Rail Nurse Label, Rt.	1
CM	14-3	Washer	3	FJ	1550-26-10	Top Rail Nurse Label, Lt.	1
CP	4-101	Soc. Hd. Cap Screw	6	FK	(page 62)	Comp. Hsg. Ass'y, Rt.	1
CS	1010-32-92	Foley Bag Rack	2	FL	(page 63)	Comp. Hsg. Ass'y, Lt.	1
CT	4-173	But. Hd. Cap Screw	12	FM	1550-30-22	Board Housing Top	1
CW	7-20	Truss Hd. Mach. Screw	6	FN	1050-30-1	Enclosure Ass'y	1
CZ	8-15	Shoulder Bolt	1	FP	1550-30-17	Hd. End Lockout Wldmt.	1
DA	13-10	Ext. Tooth Lock Washer	10	FR	1550-30-25	Power Cord Hook	2
DC	13-18	Ext. Tooth Lock Washer	5	FS	1001-31-31	Pneumatic Fowler Rest	2
DD	14-2	Washer	12	FT	23-100	Self-Tapping Screw	4
DE	1550-90-15	Caution Label	2	FW	1550-34-20	Crankscrew Mtg. Brkt.	4
DF	16-14	Nylock Nut	2	FZ	1550-34-21	Thigh Support	2
DH	23-25	Hex Hd. Tap. Screw	9	HA	1550-80-940	Logic Control Board	1
DJ	25-122	Pop Rivet	19	HB	1550-85-1	Switch Cable	2
DK	16-23	Lock Nut	2	HC	1550-85-33	Ground	2
DL	26-12	Roll Pin	2	HD	1550-85-30	Ground Strap	1
DN	37-49	Hole Plug	2	HE	1550-85-37	Ft. End Lockout Cable	1
DP	52-89	Fil. Slotted Nylon Screw	6	HF	1550-85-8	Hd. End Lockout Cable	1
DR	52-91	Female Spacer	6	HJ	1550-33-31	Fowler Supt. Ass'y	2
DS	59-54	5- Pin Housing	2	HK	1550-90-5	Lockout Label	2
DT	59-68	Rocker Switch	2	HL	1550-90-13	Caution Label	1
DW	59-69	Terminal Faston	4	HM	1550-30-30	Side Support	2
DZ	59-70	6-Pin Housing	1	HN	1550-30-15	Motor Bracket	1
EA	59-72	Nylon Key Plug	1	HP	4-7	Soc. Hd. Cap Screw	4
EB	59-74	Strain Relief Bushing	3	HR	16-3	Fiberlock Nut	4
EC	59-76	Nylon Cable Tie	6	HS	38-31	Cable Tie	2
ED	59-77	Yellow LED	2	HT	(page 53)	Litter Bumper (not shown)	2
EF	36-46	Ground Label	1	HW	721-31-65	Hole Plug	30
EH	59-100	Dome Plug	3				

1211-351-10 Push Handle Assembly



Item	Part No.	Part Name	Qty.
A	26-10	Roll Pin	1
B	1010-354-24	Stop Link	1
C	1211-151-18	Sleeve Assembly	1

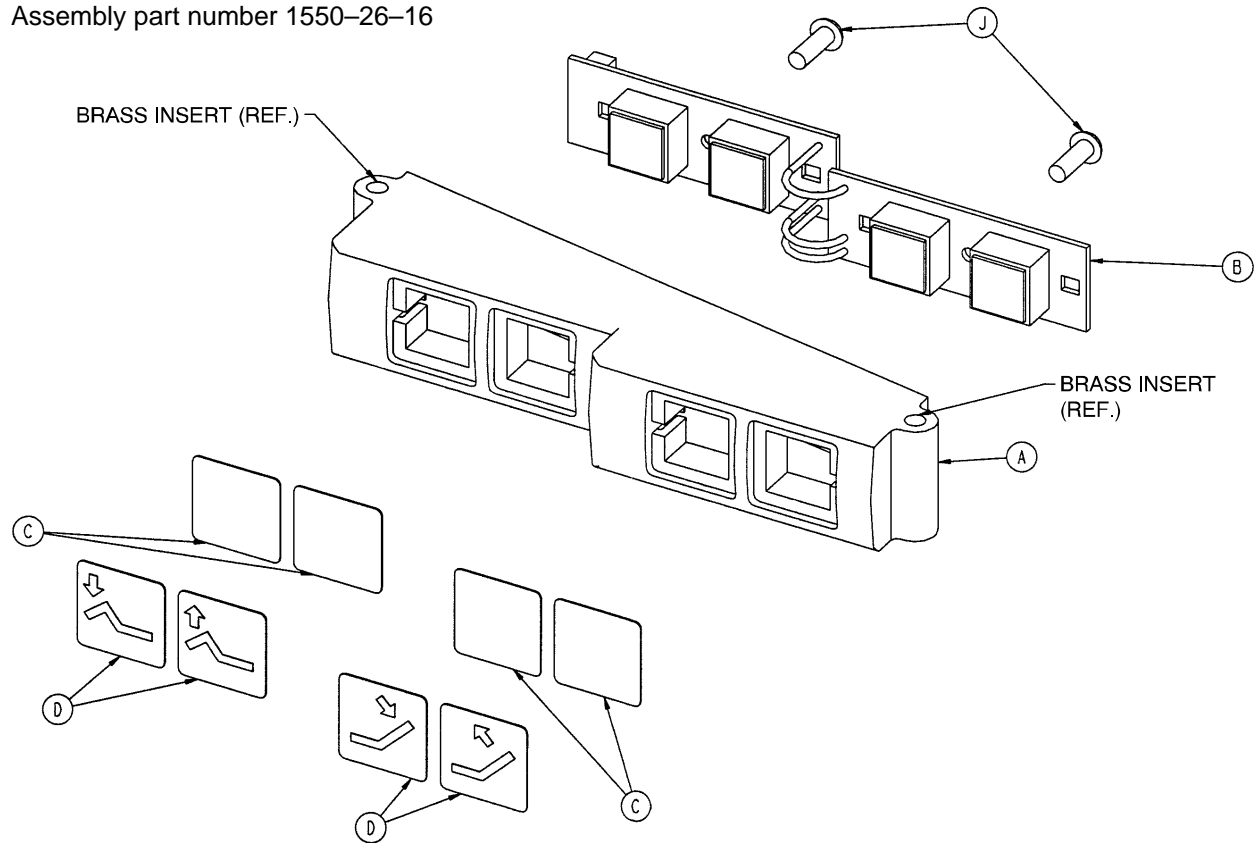
Siderail Assembly, Left & Right



Item	Part No.	Part Name	Qty.
A	1550-26-21	Top Rail, Left	1
	1550-26-23	Top Rail, Right	1
B	1010-26-83	Upright	3
C	1010-26-84	Upright, Bent	1
D	1010-26-82	Sleeve Bearing	6
E	25-106	Semi-Tubular Rivet	6
F	1010-26-10	Round Hole Plug	3
H	1010-26-85	Upright, Latch	1
J	1010-26-12	Bent Spindle Rest	1
K	1010-95-32	Siderail Rest	2
L	1010-95-22	Bent Rail Rest	1
M	25-38	Pop Rivet	1
N	1550-26-19	Oval Upright	1

Component Housing Assembly, Right

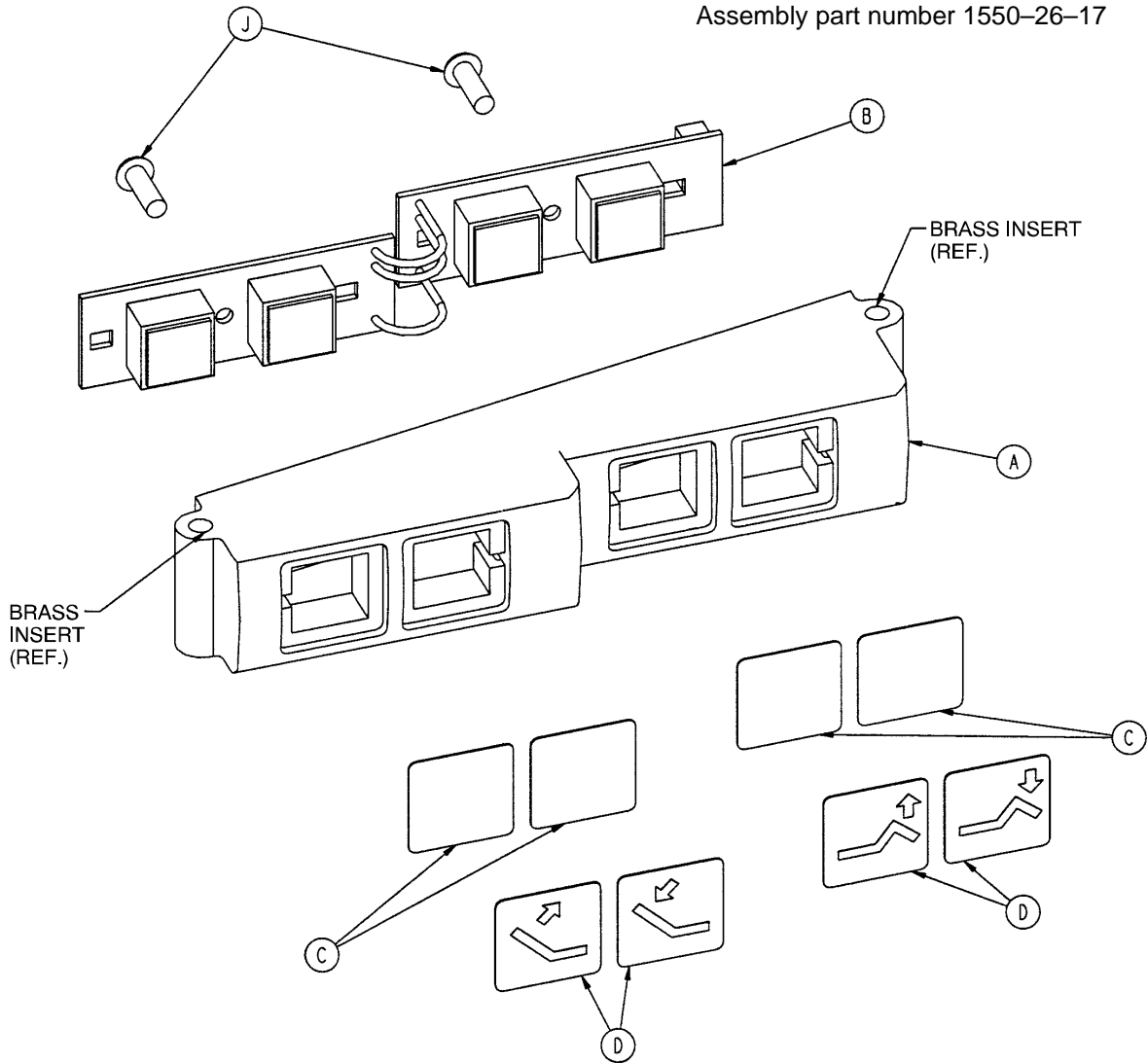
Assembly part number 1550-26-16



Item	Part No.	Part Name	Qty.
A	1550-26-14	Component Housing, Rt.	1
B	1550-80-930	Switch Board Assembly	1
C	1550-26-11	Lexan Shield	4
D	1550-26-25	Control Labels, Rt.	1
J	2-5	Round Hd. Screw	2

Component Housing Assembly, Left

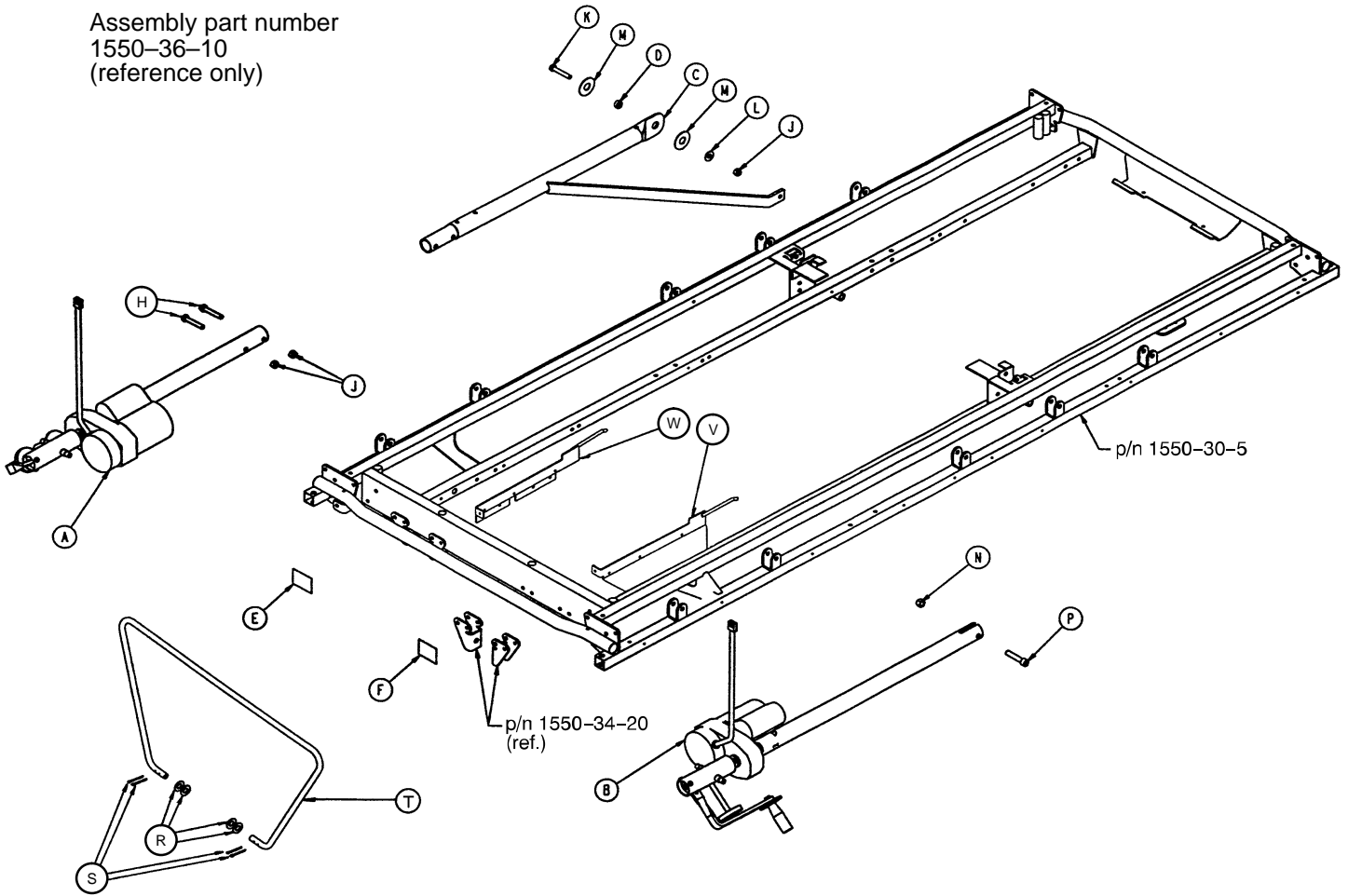
Assembly part number 1550-26-17



Item	Part No.	Part Name	Qty.
A	1550-26-13	Component Housing, Lt.	1
B	1550-80-930	Switch Board Assembly	1
C	1550-26-11	Lexan Shield	4
D	1550-26-26	Control Labels, Lt.	1
J	2-5	Round Hd. Screw	2

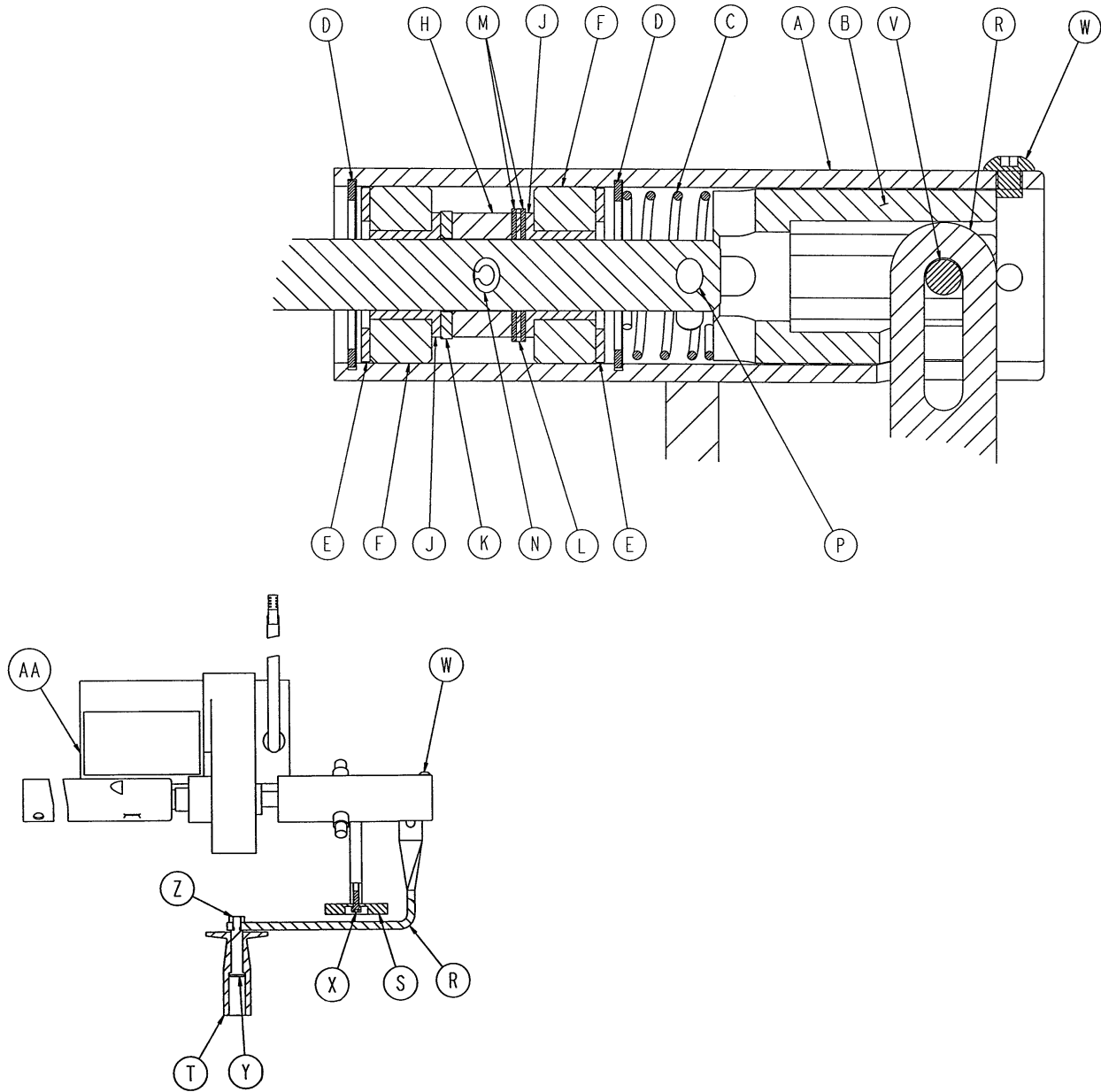
Non-Quick Drop Fowler & Gatch Assembly

Assembly part number
1550-36-10
(reference only)



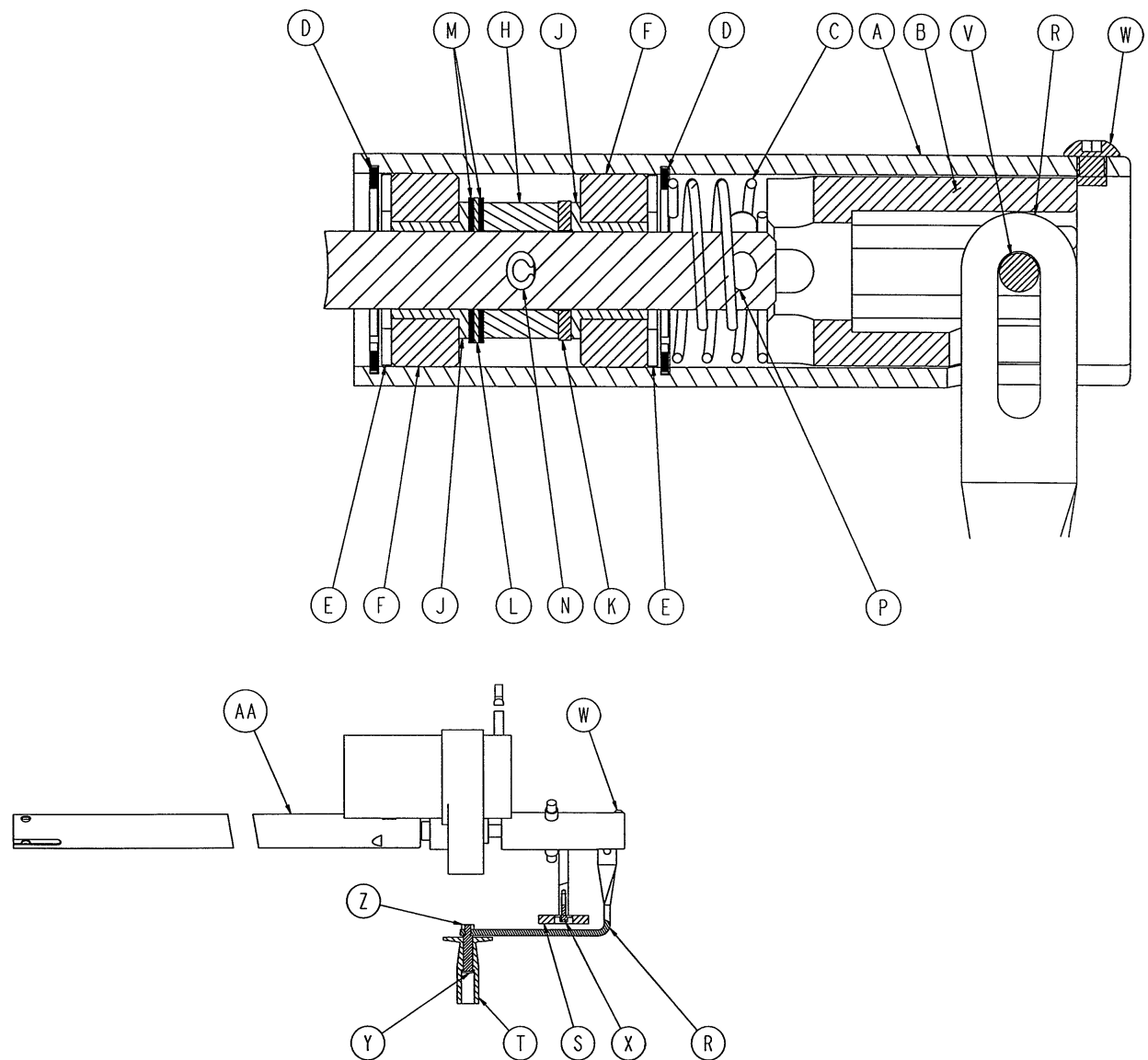
Item	Part No.	Part Name	Qty.
A	(page 65)	Fowler Crankscrew Ass'y	1
B	(page 66)	Gatch Crankscrew Ass'y	1
C	1550-33-54	Fowler Drive Bar Weldment	1
D	1550-33-55	Spacer	1
E	1550-90-33	Fowler Engage Label	1
F	1550-90-34	Gatch Engage Label	1
H	3-68	Hex Hd. Cap Screw	2
J	16-36	Nylock Nut	3
K	3-85	Hex Hd. Cap Screw	1
L	11-193	Washer	1
M	14-62	Plastic Flat Washer	2
N	16-35	Nylock Nut	1
P	4-108	Hex Hd. Cap Screw	1
R	14-21	Nylon Washer	4
S	27-4	Cotter Pin	4
T	1501-34-120	Gatch Riser	1
V	1001-34-29	Slider Support Ass'y, Left	1
W	1001-34-30	Slider Support Ass'y, Right	1

1550-233-30 Fowler Crankscrew Ass'y, Non-Q. Drop



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550-34-13	Crk/Coupler Hsg. Ass'y, Rt.	1	N	26-149	Roll Pin	1
B	1550-34-1	Crank Coupler	1	P	26-179	Spiral Pin	1
C	38-286	Compression Spring	1	R	1550-1-16	Crank Handle	1
D	28-88	Snap Ring	2	S	1550-1-14	Magnet	1
E	81-174	Washer	2	T	1550-1-19	Crank Knob	1
F	2020-1-529	Nylon Spacer	2	V	26-168	Spiral Pin	1
H	2020-1-532	Bearing Collar	1	W	4-148	But. Hd. Cap Screw	2
J	81-213	Bronze Shoulder Bushing	2	X	4-32	Soc. Hd. Cap Screw	1
K	11-45	Nylon Washer	1	Y	378-24-29	Shoulder Bolt	1
L	81-212	Thrust Bearing	1	Z	16-78	Centerlock Nut	1
M	14-44	Steel Thrust Washer	2	AA	1550-233-45	Fow. Act. w/Drive Tube	1

1550-234-5 Gatch Crankscrew Ass'y, Non-Quick Drop

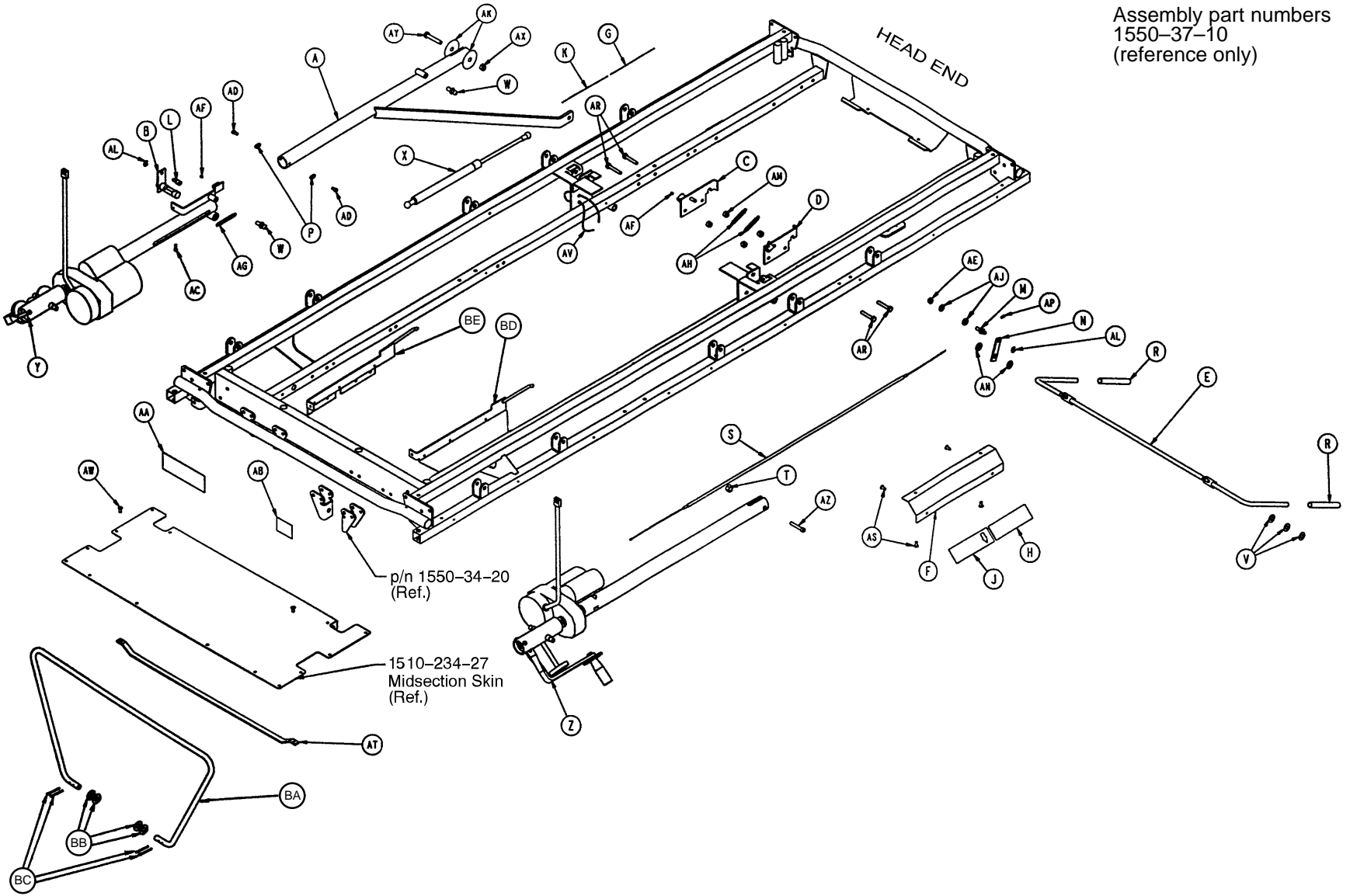


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550-34-14	Crk/Coupler Hsg. Ass'y, Lt.	1	N	26-149	Roll Pin	1
B	1550-34-1	Crank Coupler	1	P	26-179	Spiral Pin	1
C	38-286	Compression Spring	1	R	1550-1-16	Crank Handle	1
D	28-88	Snap Ring	2	S	1550-1-14	Magnet	1
E	81-174	Washer	2	T	1550-1-19	Crank Knob	1
F	2020-1-529	Nylon Spacer	2	V	26-168	Spiral Pin	1
H	2020-1-532	Bearing Collar	1	W	4-148	But. Hd. Cap Screw	2
J	81-213	Bronze Shoulder Bushing	2	X	4-32	Soc. Hd. Cap Screw	1
K	11-45	Nylon Washer	1	Y	378-24-29	Shoulder Bolt	1
L	81-212	Thrust Bearing	1	Z	16-78	Centerlock Nut	1
M	14-44	Steel Thrust Washer	2	AA	1550-234-25	Gat. Act. w/Drive Tube	1

Notes

Quick Drop Assembly, Fowler Only

Assembly part numbers
1550-37-10
(reference only)



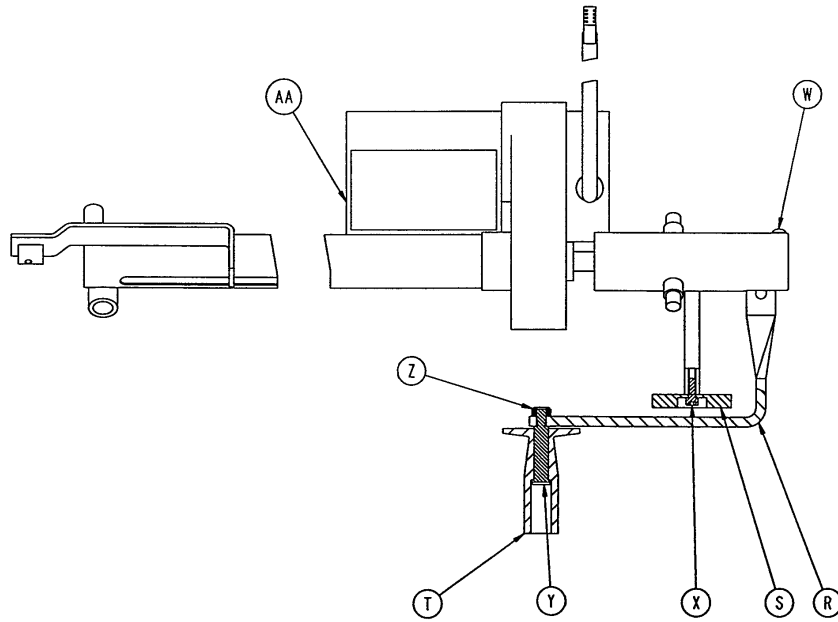
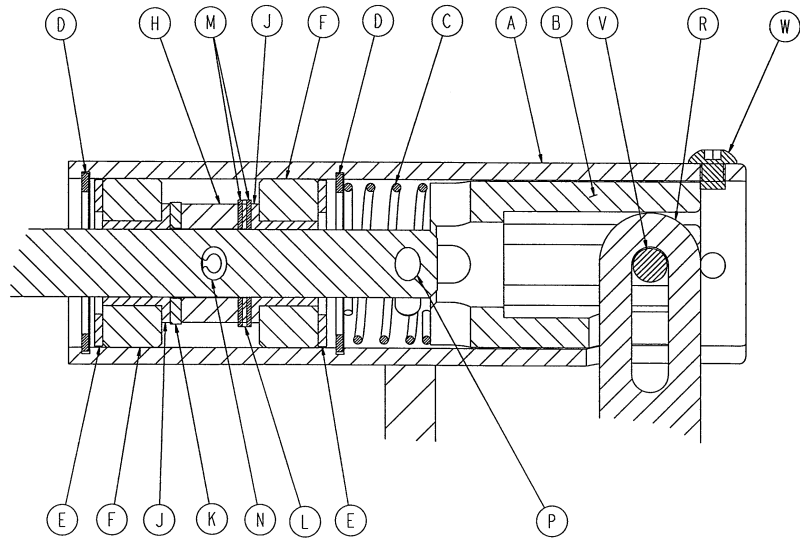
Quick Drop Assembly, Fowler Only

Item	Part No.	Part Name	Qty.
A	1550-33-28	Drive Bar Weldment	1
B	1550-33-14	Fow. Crkscr. Detent Ass'y	1
C	1550-33-25	Quick Drop Brkt. Ass'y, Rt.	1
D	1550-33-26	Quick Drop Brkt. Ass'y, Lt.	1
E	1550-33-19	Release Arm Weldment	1
F	1550-33-20	Handle Guard	2
G	1550-33-36	Release Label, Rt.	1
H	1550-33-37	Release Label, Lt.	1
J	1550-37-15	Fow. Emer. Drop Label, Lt.	1
K	1550-37-16	Fow. Emer. Drop Label, Rt.	1
L	1550-33-11	Spring/Cable Pin	1
M	1550-33-18	Cable Retainer	1
N	1550-33-16	Cable Return Arm	1
P	1550-33-29	Drive Tube Stop	2
R	37-200	Vinyl Cap	2
S	1550-33-9	Fowler/Gatch Rel. Cable	1
T	16-35	Nylock Nut	1
V	14-21	Nylon Washer	3
W	1550-31-2	Threaded End Fitting	2
X	1550-31-1	Fowler Gas Cylinder	1
Y	(page 72)	Fowler Crankscrew Ass'y	1
Z	(page 66)	Gatch Crankscrew Ass'y	1
AA	1550-90-23	Fow. Q. Drop Reset Label	1
AB	1550-90-34	Gatch Engage Label	1
AC	4-5	Soc. Hd. Cap Screw	1
AD	4-219	Soc. Hd. Cap Screw	2
AE	16-47	Nylock Nut	1
AF	21-8	Set Screw	2
AG	38-285	Extension Spring	1
AH	38-284	Extension Spring	2
AJ	11-2	Washer	2
AK	14-55	Washer	2
AL	28-114	Retaining Ring	2
AM	16-28	Nylock Nut	4
AN	14-20	Washer	2
AP	37-95	End Cap	1
AR	3-47	Hex Hd. Cap Screw	4
AS	25-79	Pop Rivet	8
AT	1550-34-22	Cable Guide	1
AV	59-76	Cable Tie	1
AW	25-50	Pop Rivet	2
AX	16-36	Flexlock Nut	1
AY	3-68	Hex Hd. Cap Screw	1
AZ	4-108	Hex Hd. Cap Screw	1
BA	1501-34-120	Gatch Riser	1
BB	14-21	Nylon Washer	4
BC	27-4	Cotter Pin	4
BD	1001-34-29	Slider Support, Left	1
BE	1001-34-30	Slider Support, Right	1

Fowler/Gatch Quick Drop Assembly

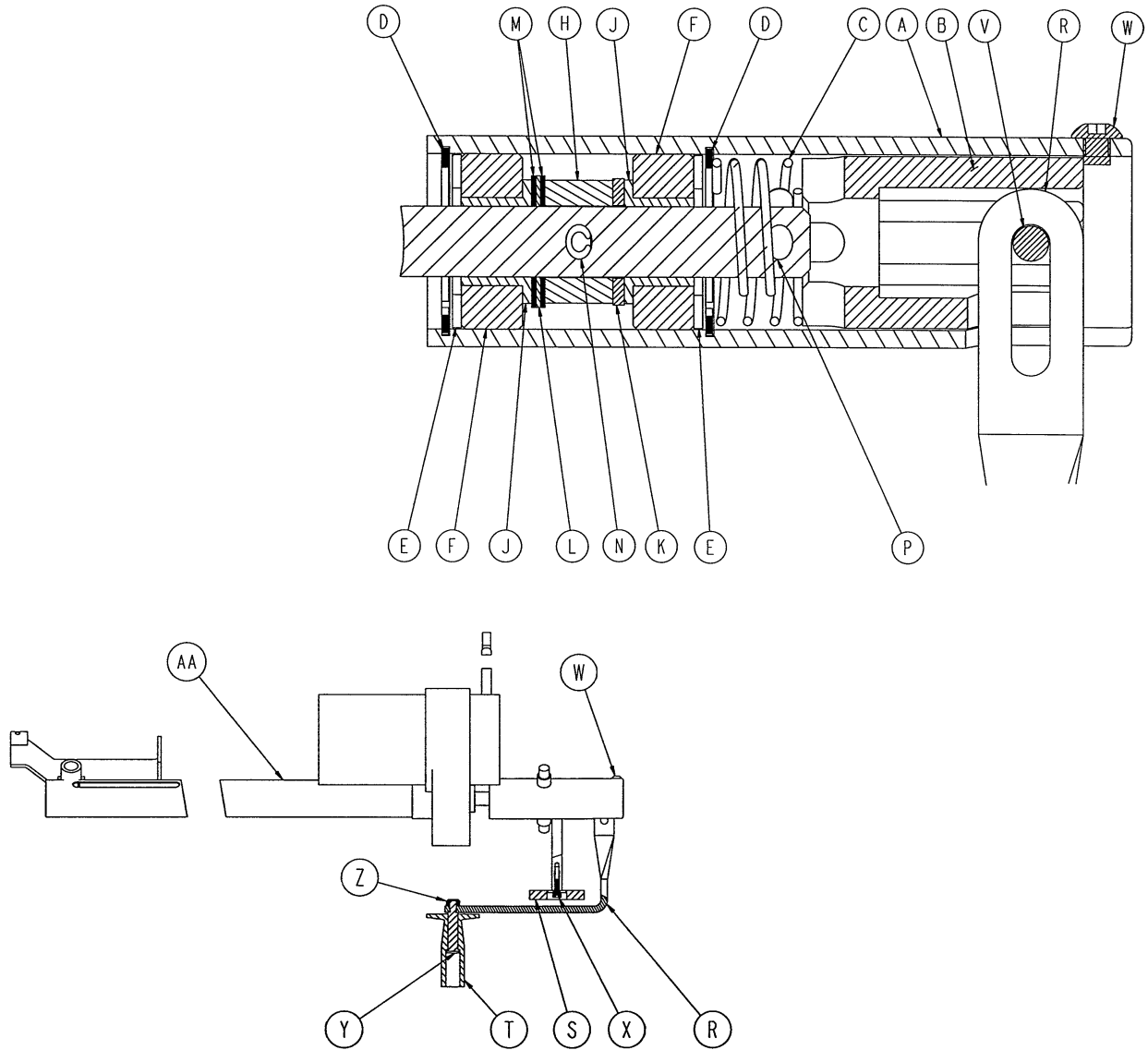
Item	Part No.	Part Name	Qty.
A	1550-33-28	Drive Bar Weldment	1
B	1550-33-14	Fowler Crkscr. Detent Ass'y	1
C	1550-33-25	Quick Drop Brkt. Ass'y, Rt.	1
D	1550-33-26	Quick Drop Brkt. Ass'y, Lt.	1
E	1550-33-19	Release Arm Weldment	1
F	1550-33-20	Handle Guard	2
G	1550-33-36	Right Release Label	1
H	1550-33-37	Left Release Label	1
J	1550-33-38	E-Drop Release Label, Left	1
K	1550-33-43	E-Drop Release Label, Right	1
L	1550-33-11	Spring/Cable Pin	2
M	1550-33-18	Cable Retainer	2
N	1550-33-16	Cable Return Arm	2
P	1550-33-29	Drive Tube Stop	3
R	37-200	Vinyl Cap	2
S	1550-33-9	Fowler/Gatch Release Cable	2
T	1550-34-16	Gatch Detent Arm Ass'y	1
V	1550-34-7	Knee Gatch Ckscr. Extension	1
W	1550-31-2	Threaded End Fitting	2
X	1550-31-1	Fowler Gas Cylinder	1
Y	(page 72)	Fow. Ckscr. Ass'y, w/ Act.	1
Z	(page 73)	Gat. Ckscr. Ass'y, w/ Act.	1
AA	1550-90-23	Reset Label, Fowler	1
AB	1550-90-24	Reset Label, Gatch	1
AC	4-5	Soc. Hd. Cap Screw	2
AD	4-219	Soc. Hd. Cap Screw	3
AE	16-47	Nylock Nut	2
AF	21-8	Set Screw	4
AG	38-285	Extension Spring	2
AH	38-284	Extension Spring	2
AJ	11-2	Washer	4
AK	14-55	Washer	4
AL	28-114	Retaining Ring	4
AM	16-28	Nylock Nut	4
AN	14-20	Washer	4
AP	37-95	End Cap	2
AR	3-47	Hex Hd. Cap Screw	4
AS	25-79	Pop Rivet	8
AT	1550-34-22	Cable Guide	1
AV	59-76	Nylon Cable Tie	2
AW	25-50	Pop Rivet	2
AX	16-36	Flexlock Nut	1
AY	3-68	Hex Hd. Cap Screw	1
AZ	4-105	Hex Hd. Cap Screw	1
BA	16-35	Nylock Nut	1
BB	1550-34-29	Slider Support, Left	1
BC	1550-34-28	Slider Support, Right	1

1550-533-45 Fowler Crankscrew Assembly, Quick Drop



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550-34-13	Crk/Coupler Hsg. Ass'y, Rt.	1	N	26-149	Roll Pin	1
B	1550-34-1	Crank Coupler	1	P	26-179	Spiral Pin	1
C	38-286	Compression Spring	1	R	1550-1-16	Crank Handle	1
D	28-88	Snap Ring	2	S	1550-1-14	Magnet	1
E	81-174	Washer	2	T	1550-1-19	Crank Knob	1
F	2020-1-529	Nylon Spacer	2	V	26-168	Spiral Pin	1
H	2020-1-532	Bearing Collar	1	W	4-148	But. Hd. Cap Screw	2
J	81-213	Bronze Shoulder Bushing	2	X	4-32	Soc. Hd. Cap Screw	1
K	11-45	Nylon Washer	1	Y	378-24-29	Shoulder Bolt	1
L	81-212	Thrust Bearing	1	Z	16-78	Centerlock Nut	1
M	14-44	Steel Thrust Washer	2	AA	1550-33-45	Fow. Act. w/Drive Tube	1

1550-34-5 Gatch Crankscrew Assembly, Quick Drop



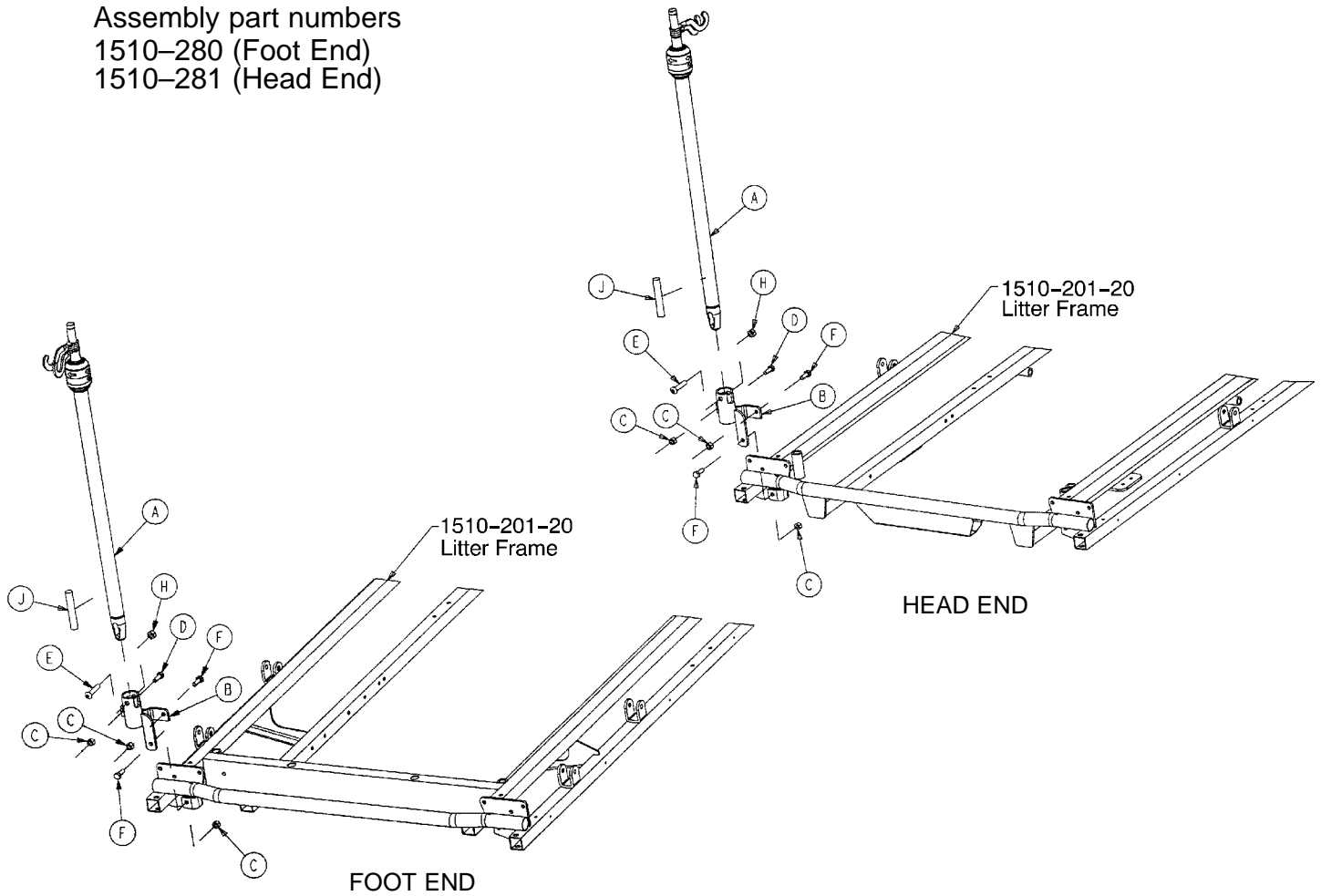
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550-34-14	Crk/Coupler Hsg. Ass'y, Lt.	1	N	26-149	Roll Pin	1
B	1550-34-1	Crank Coupler	1	P	26-179	Spiral Pin	1
C	38-286	Compression Spring	1	R	1550-1-16	Crank Handle	1
D	28-88	Snap Ring	2	S	1550-1-14	Magnet	1
E	81-174	Washer	2	T	1550-1-19	Crank Knob	1
F	2020-1-529	Nylon Spacer	2	V	26-168	Spiral Pin	1
H	2020-1-532	Bearing Collar	1	W	4-148	But. Hd. Cap Screw	2
J	81-213	Bronze Shoulder Bushing	2	X	4-32	Soc. Hd. Cap Screw	1
K	11-45	Nylon Washer	1	Y	378-24-29	Shoulder Bolt	1
L	81-212	Thrust Bearing	1	Z	16-78	Centerlock Nut	1
M	14-44	Steel Thrust Washer	2	AA	1550-34-25	Gat. Act. w/Drive Tube	1

2-Stage I.V. Mounting Assembly

Assembly part numbers

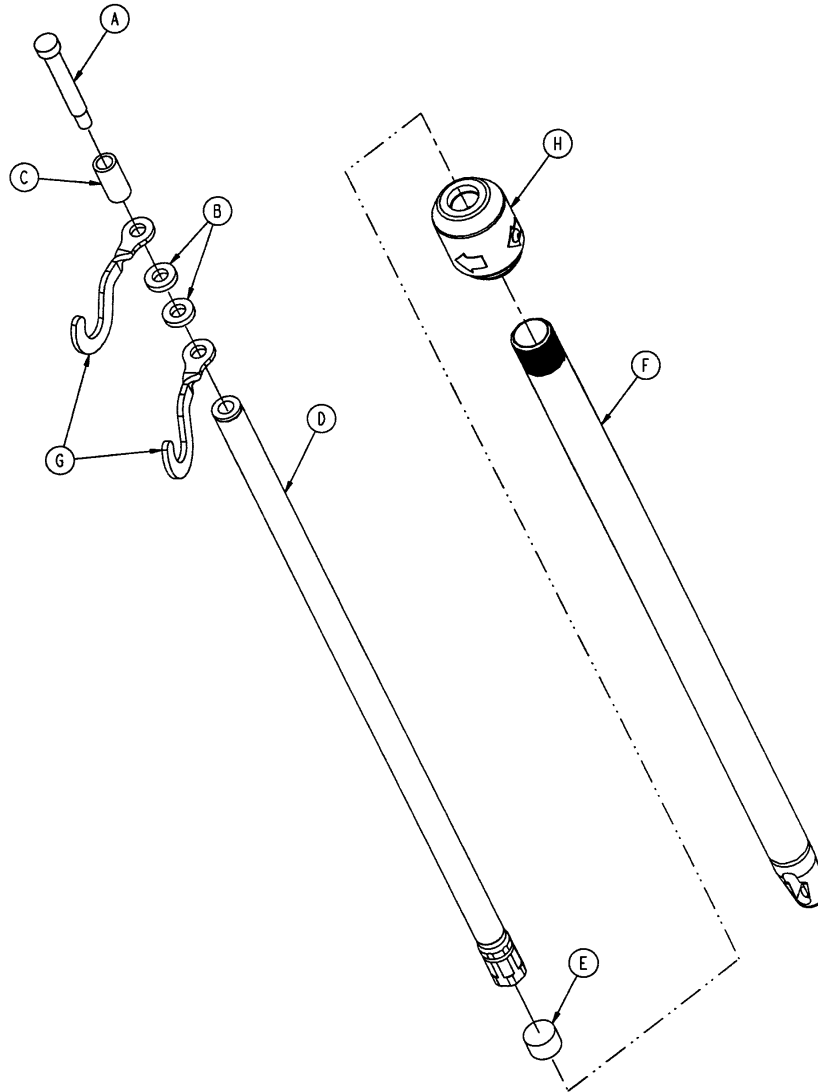
1510-280 (Foot End)

1510-281 (Head End)



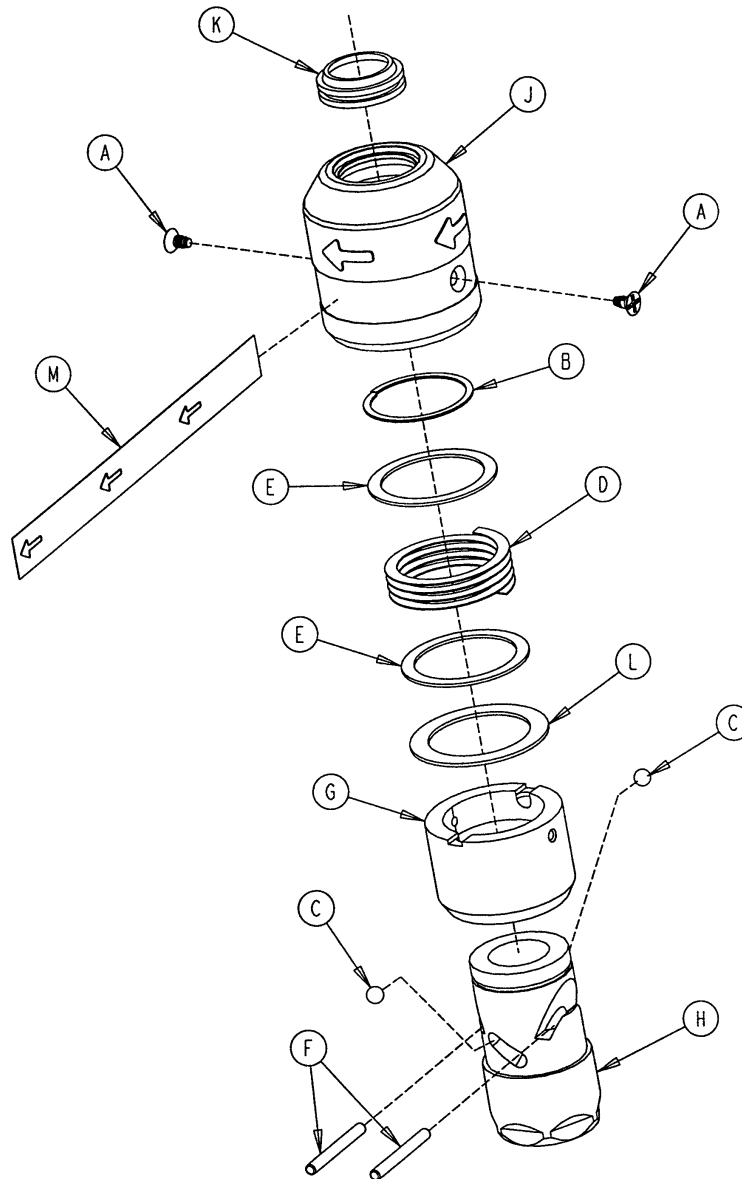
Item	Part No.	Part Name	Qty.
A	(page 75)	I.V. Pole Assembly	1
B	1001-259-103	I.V. Pivot	1
C	16-28	Fiberlock Nut	3
D	3-54	Hex Hd. Cap Screw	1
E	4-199	But. Hd. Cap Screw	1
F	3-50	Hex Hd. Cap Screw	2
H	16-11	Flexlock Nut	1
J	1501-27-19	I.V. Plug	1

1211-210-10 Optional 2-Stage I.V. Pole Assembly



Item	Part No.	Part Name	Qty.
A	8-31	Soc. Hd. Cap Screw	1
B	52-17	Washer	2
C	926-400-162	Spacer	1
D	1211-110-29	2nd Stage Assembly	1
E	1001-259-13	Dampener	1
F	1001-259-32	Base Tube	1
G	1010-259-16	I.V. Hook	2
H	(page 76)	I.V. Pole Latch	1

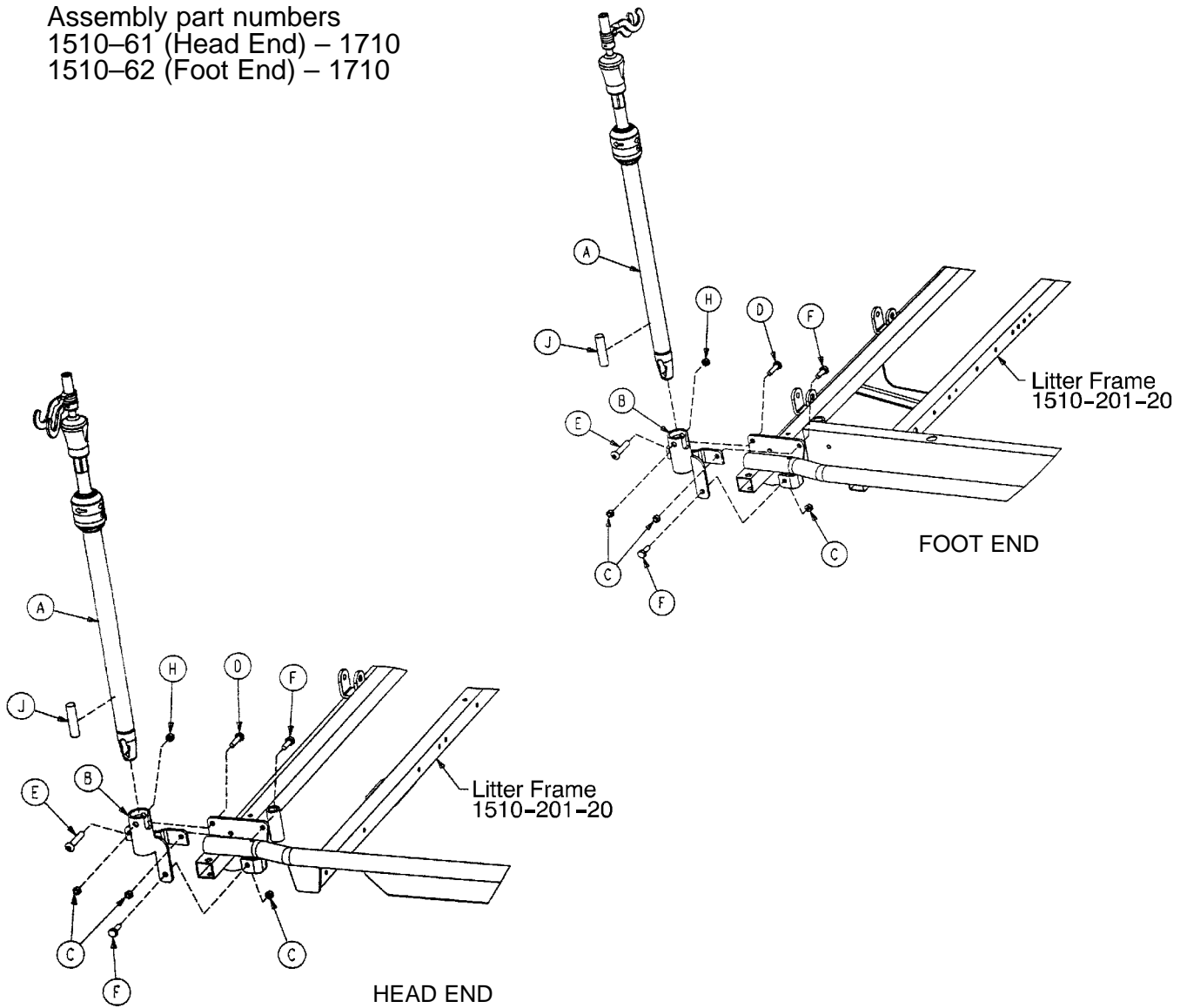
1211-110-26 I.V. Pole Latch Assembly



Item	Part No.	Part Name	Qty.
A	1211-110-36	Self-Tapping Screw	2
B	28-167	Retaining Ring	1
C	31-4	Steel Ball	2
D	38-392	Crest-to-Crest Spring	1
E	1211-110-20	Washer	2
F	1211-110-21	I.V. Latch Locking Pin	2
G	1211-110-22	I.V. Latch Guide	1
H	1211-110-23	I.V. Latch I.D. Housing	1
J	1211-110-24	I.V. Latch O.D. Housing	1
K	1211-110-18	I.V. Latch Seal	1
L	1211-110-35	Washer	1
M	1211-110-34	Release Label	1

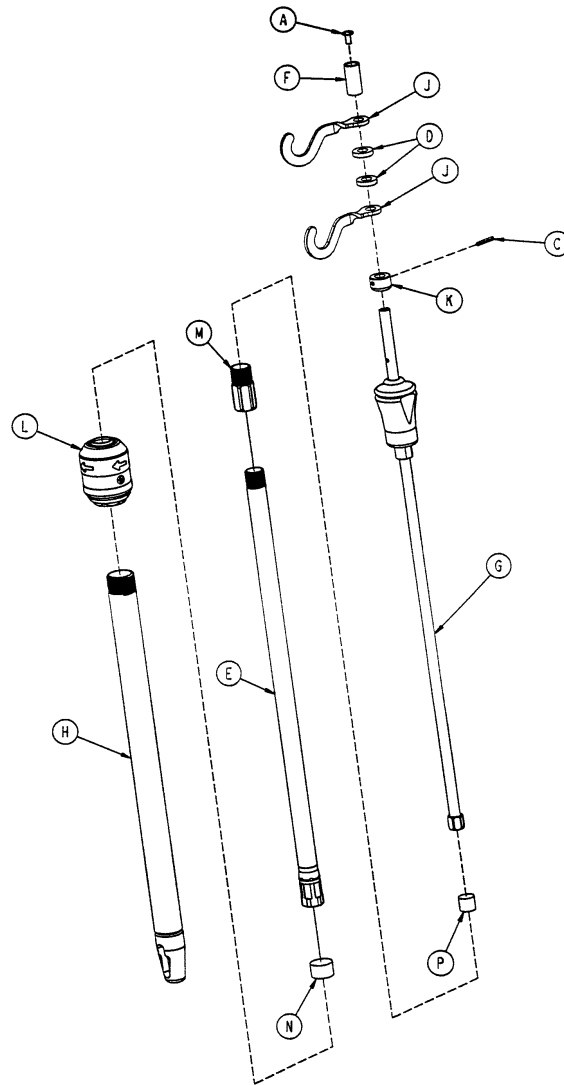
Optional 3-Stage I.V. Mounting Assembly

Assembly part numbers
 1510-61 (Head End) – 1710
 1510-62 (Foot End) – 1710



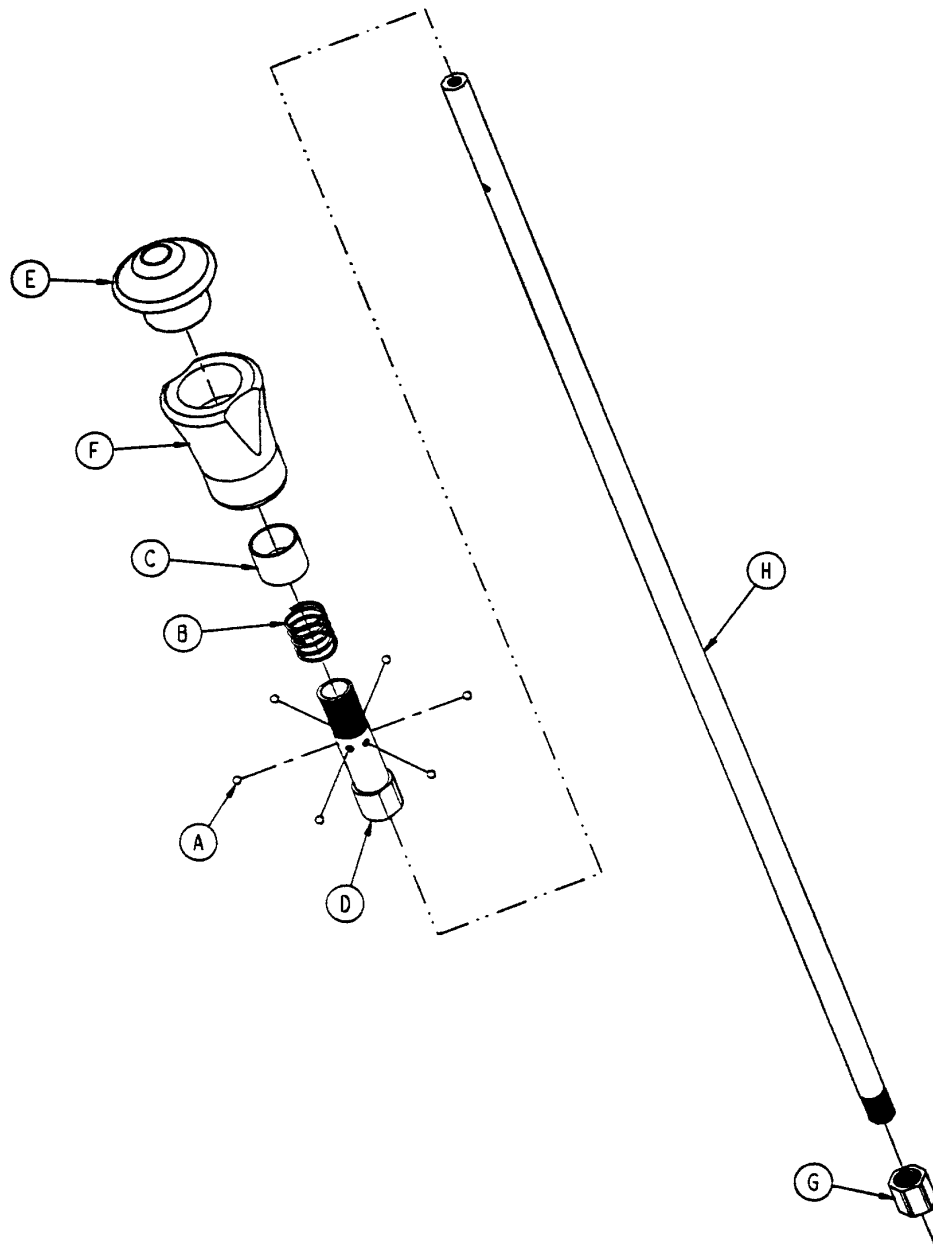
Item	Part No.	Part Name	Qty.
A	(page 78)	I.V. Pole Assembly	1
B	1001-259-103	I.V. Pivot	1
C	16-28	Fiberlock Nut	3
D	3-54	Hex Hd. Cap Screw	1
E	4-199	But. Hd. Cap Screw	1
F	3-50	Hex Hd. Cap Screw	2
H	16-11	Flexlock Nut	1
J	1001-59-42	I.V. Plug	1

1211-211-10 Optional 3-Stage I.V. Pole Assembly



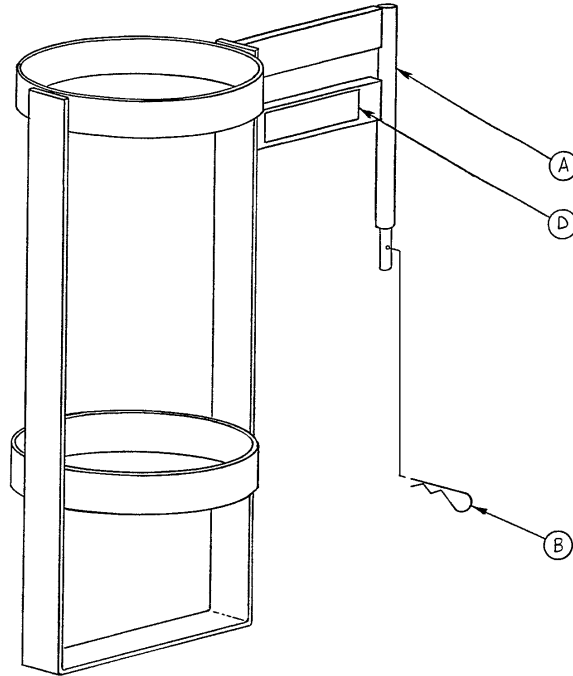
Item	Part No.	Part Name	Qty.
A	7-4	Truss Hd. Machine Screw	1
C	26-6	Roll Pin	1
D	52-17	Spacer	2
E	1211-110-31	2nd Stage Assembly	1
F	926-400-162	Spacer	1
G	(page 79)	3rd Stage Assembly	1
H	1001-161-34	Base Tube Weldment	1
J	1010-259-16	I.V. Hook	2
K	1010-61-14	Collar	1
L	(page 76)	I.V. Pole Latch	1
M	1211-110-16	Threaded Adaptor	1
N	1001-259-13	Dampener	1
P	1001-259-14	Dampener	1

1211-110-32 Optional 3rd Stage Assembly



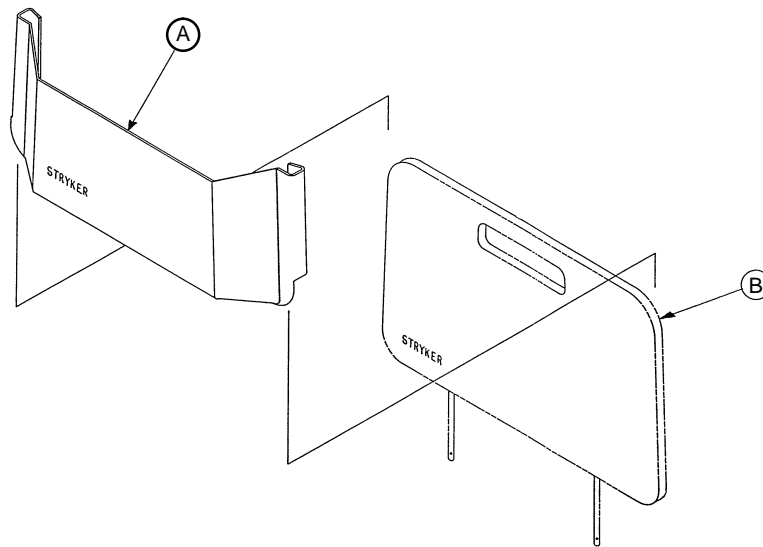
Item	Part No.	Part Name	Qty.
A	31-21	Ball	6
B	38-303	Compression Spring	1
C	1010-61-13	Ball Retainer	1
D	1010-61-16	Retaining Shaft	1
E	1010-61-17	Thumb Knob	1
F	1010-61-18	Hand Guard	1
G	1211-110-17	Nut	1
H	1211-110-33	3rd Extension Rod	1

1020-30 Optional Upright Oxygen Bottle Holder Ass'y



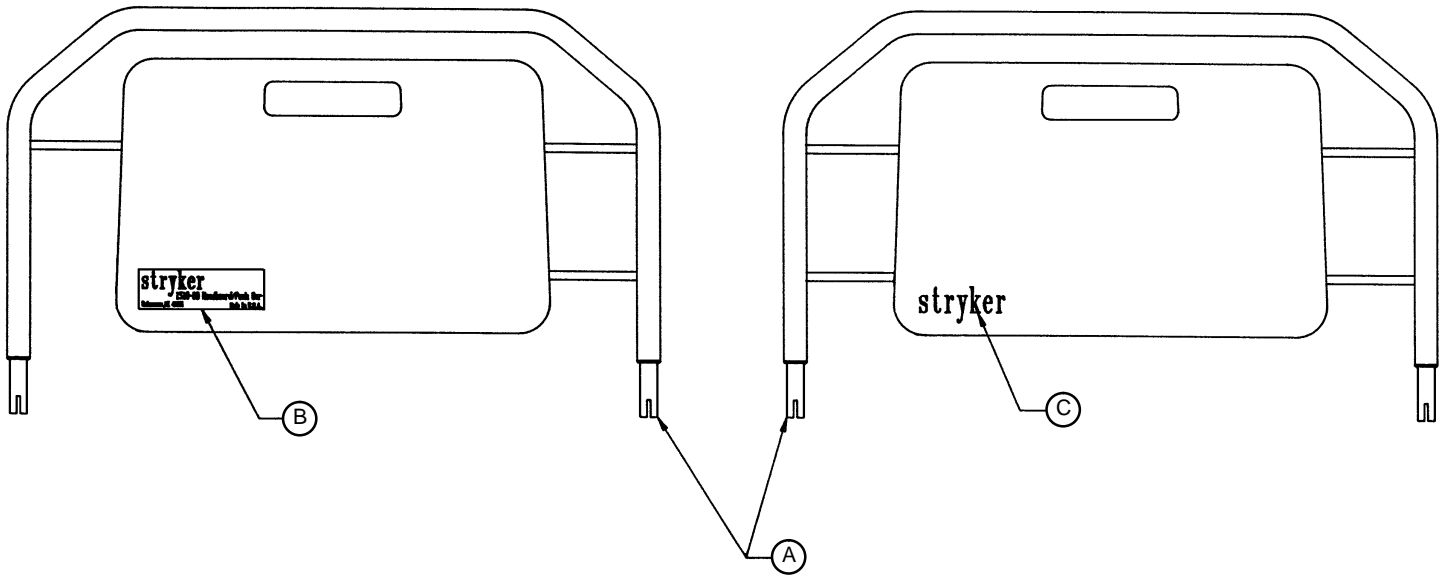
Item	Part No.	Part Name	Qty.
A	1020-30-11	Upright Bottle Holder	1
B	27-12	Cotter Pin	1
D	1020-30-17	Specification Label	1

926-40-100 Optional Foot Board/Chartholder Ass'y



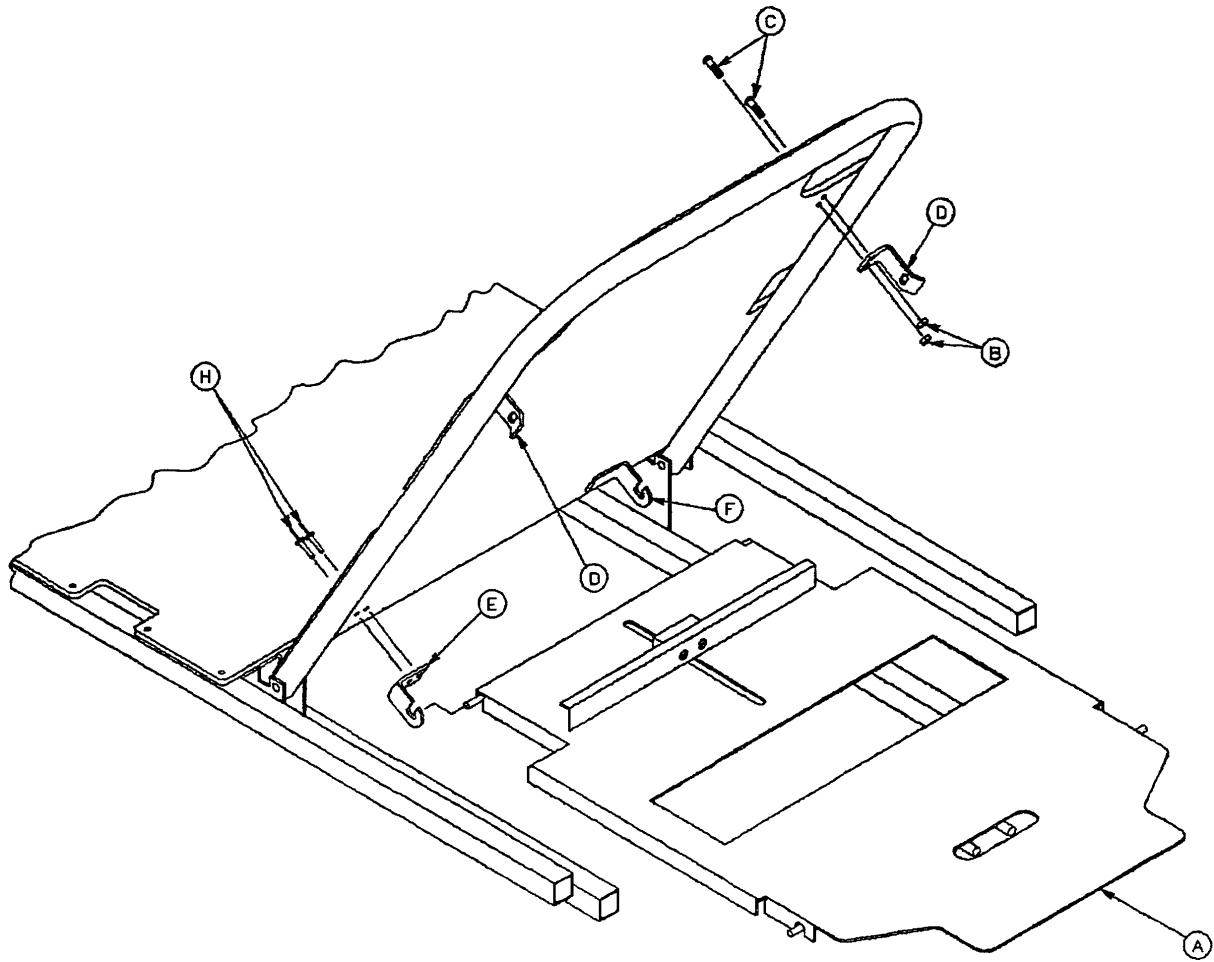
Item	Part No.	Part Name	Qty.
A	946-28-100	Chart Holder	1
B	946-29-1	Foot Board	1

1510-289 Optional Head Board/Push Bar Assembly



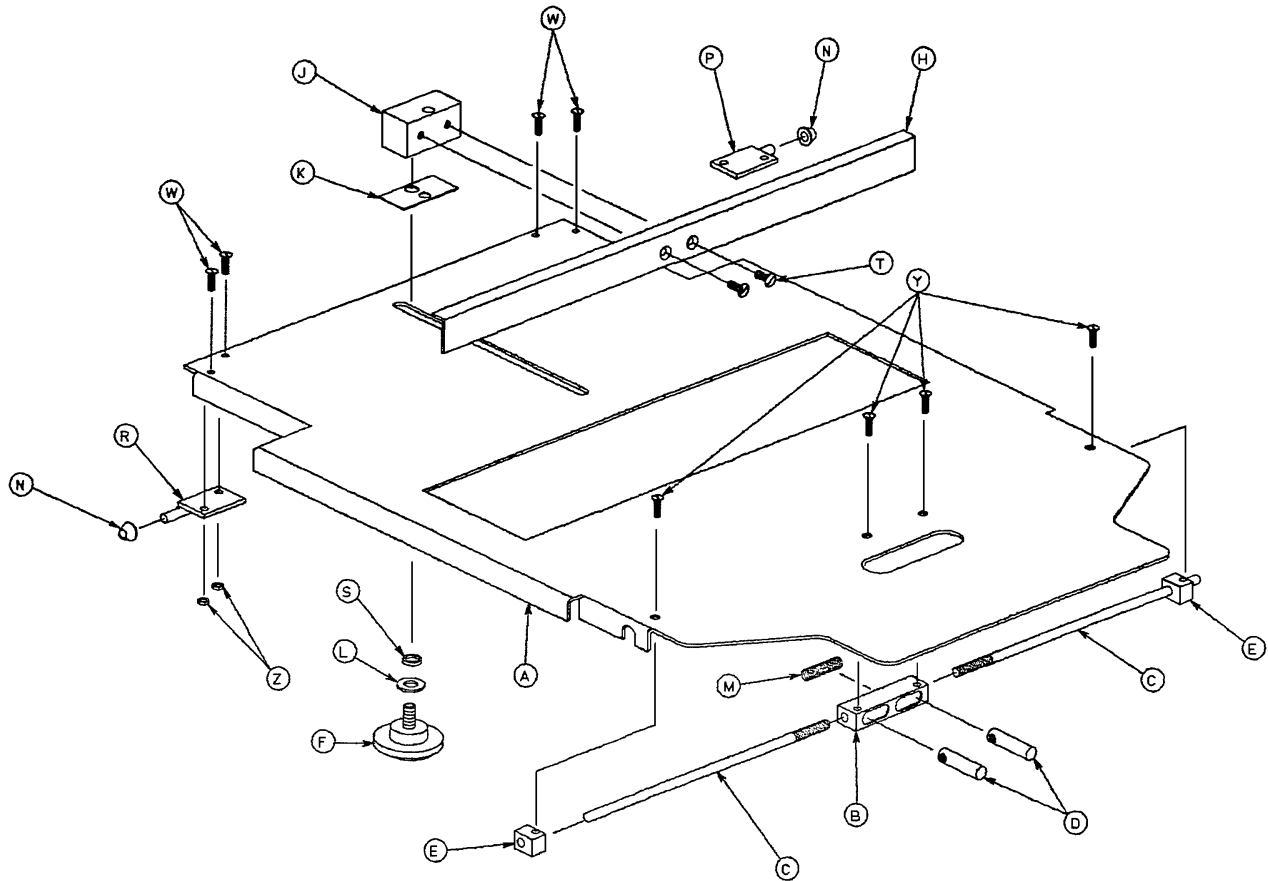
Item	Part No.	Part Name	Qty.
A	1510-289-10	Head Board/Push Bar	1
B	1510-289-17	Specification Label	1
C	946-1-73	Stryker Logo Label	1

1001-23-11 Optional X-Ray Cassette Mounting Ass'y



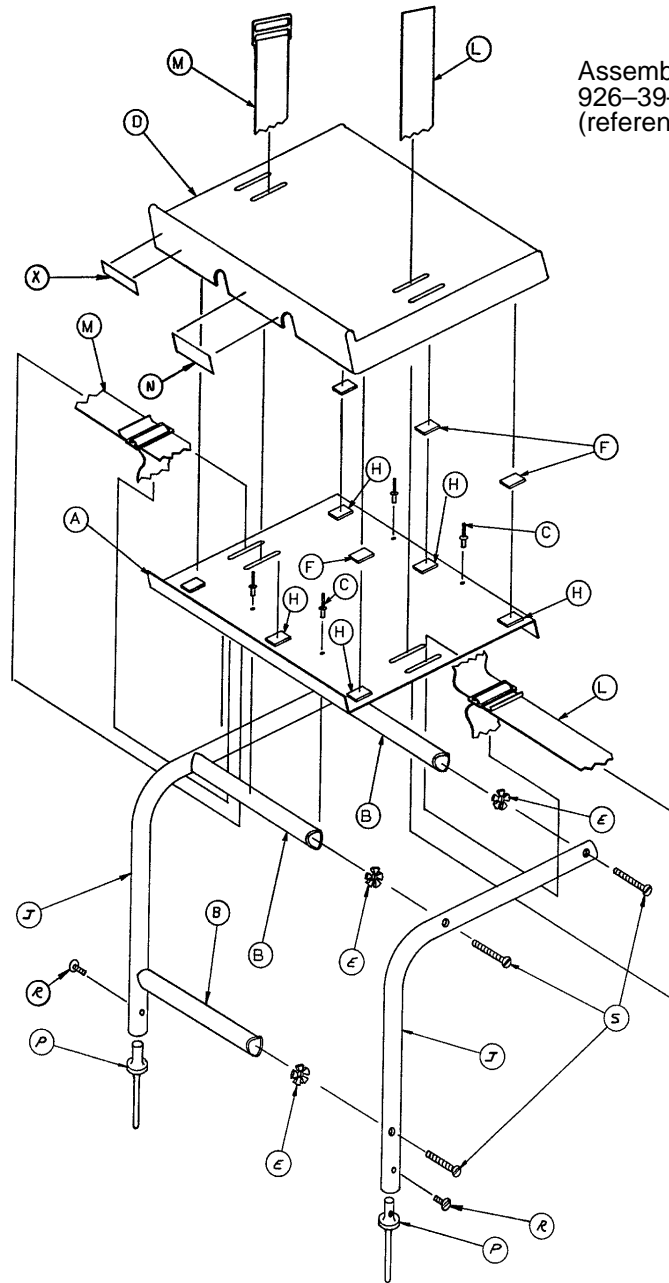
Item	Part No.	Part Name	Qty.
A	(page 83)	X-Ray Cassette Ass'y	1
B	16-3	Self-Locking Nut	4
C	4-149	Button Hd. Cap Screw	4
D	1001-23-13	Tray Latch	2
E	1020-23-13	Tray Hinge, Right	1
F	1020-23-12	Tray Hinge, Left	1
H	25-69	Pop Rivet	4

1001-23-10 Optional Fowler X-Ray Cassette Ass'y



Item	Part No.	Part Name	Qty.
A	1001-23-12	Tray	1
B	1020-23-16	Post Housing	1
C	1001-23-14	Actuating Rod	2
D	926-23-64	Post	2
E	1010-23-37	Rod Guide	2
F	1020-23-21	Knob	1
H	1010-23-28	Tray Angle	1
J	926-23-70	Block Assembly	1
K	926-23-69	Washer	1
L	14-3	Washer	1
M	38-122	Compression Spring	1
N	1020-23-26	Spacer	2
P	1020-23-19	Tray Hinge, Right	1
R	1020-23-20	Tray Hinge, Left	1
S	926-23-71	Bushing	1
T	1-20	Flat Hd. Mach. Screw	2
W	4-149	Button Hd. Cap Screw	4
Y	1-22	Flat Hd. Mach. Screw	4
Z	16-3	Nylock Hex Nut	4
AA	1010-23-19	Instruction Label	1
AB	1001-23-25	Specification Label	1

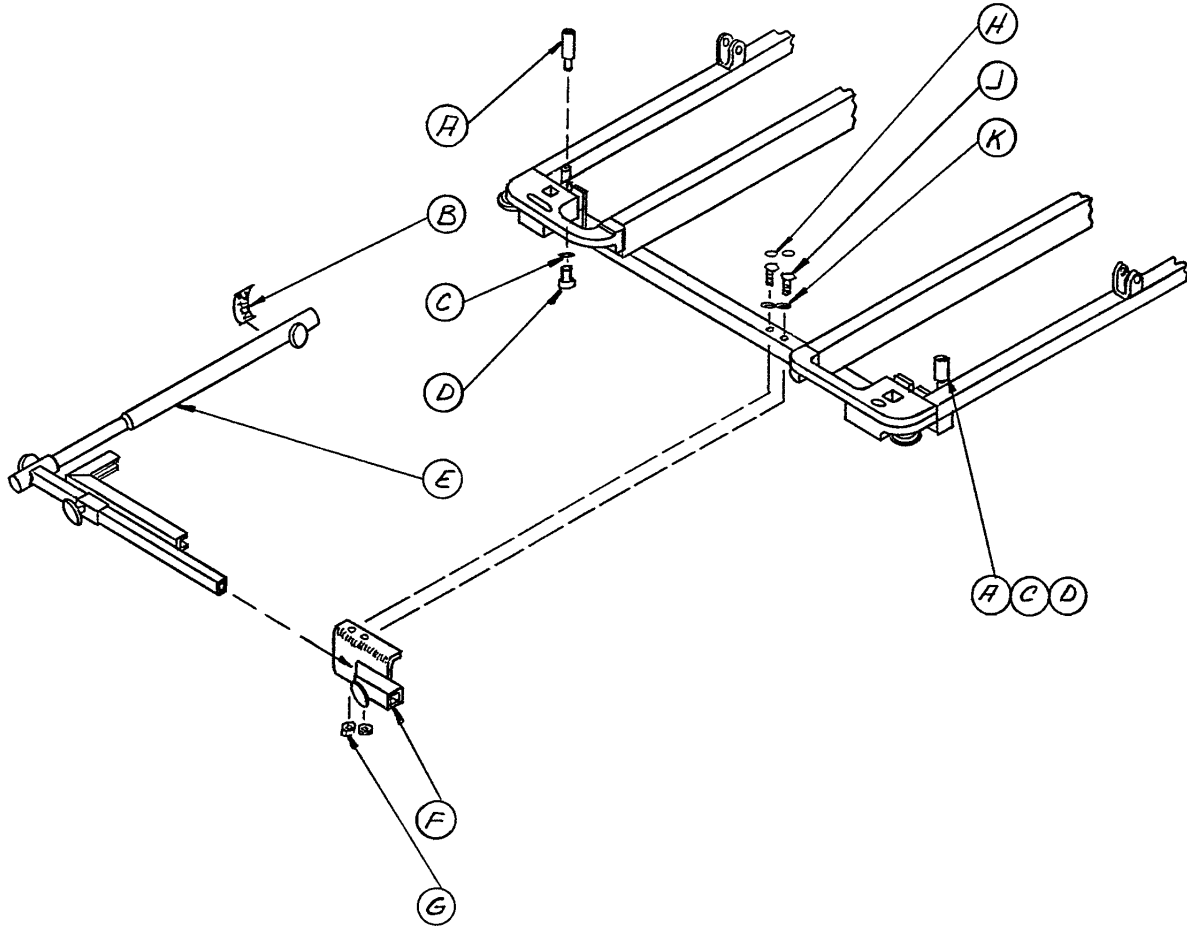
926-39 Optional Defibrillator Tray Assembly



Assembly part number
926-39-10
(reference only)

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	946-39-4	Tray	1	K	926-1-82	Label	1
B	926-39-16	Crosstube	3	L	390-57-12	Long Strap	1
C	25-55	Rivet	4	M	390-57-13	Short Strap	1
D	926-39-9	Cover	1	N	946-1-283	Label	1
E	18-6	Umbrella Nut	6	P	926-39-15	Holder	2
F	7900-1-143	Dual Lock	6	R	2-44	Screw	2
H	7900-1-145	Dual Lock	6	S	2-25	Rd. Hd. Mach. Screw	6
J	946-39-3	Support Tube	2				

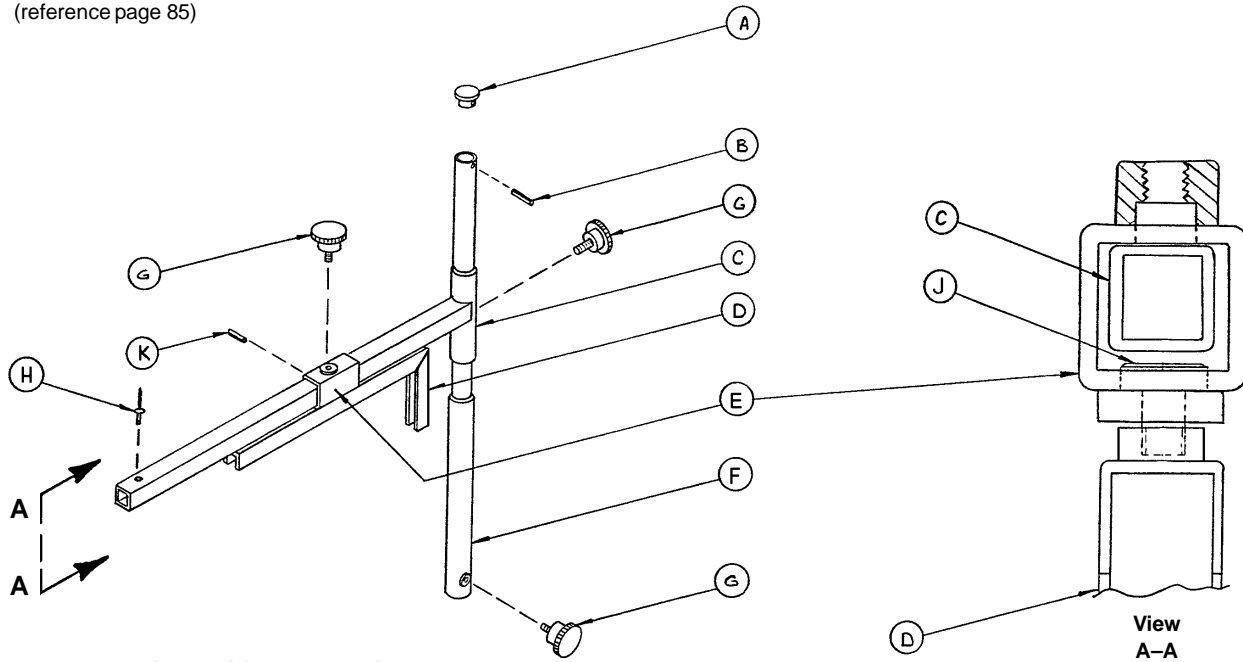
1010-70-1 C-Spine Cassette Holder Assembly



Item	Part No.	Part Name	Qty.
A	1010-70-25	I.V. Adaptor	2
B	1010-70-18	Specification Label	1
C	11-3	Flat Washer	2
D	4-91	Soc. Hd. Cap Screw	2
E	(page 86)	Support Pole Assembly	1
F	(page 87)	Storage Bracket Ass'y	1
G	16-5	Conelock Nut	2
H	37-55	Cap	2
J	3-47	Hex Hd. Cap Screw	2
K	37-56	Washer	2

Optional C-Spine Support Pole Assembly

(reference page 85)

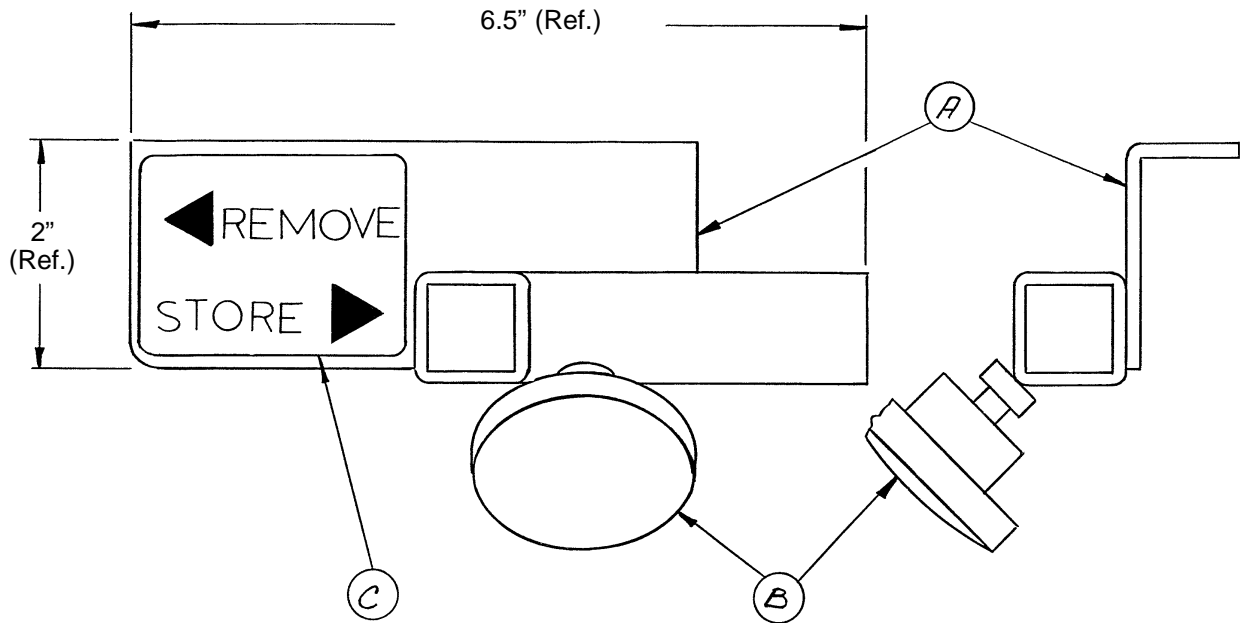


Assembly part number
1010-70-10
(reference only)

Item	Part No.	Part Name	Qty.
A	1010-70-33	Support Tube Cap	1
B	26-6	Roll Pin	1
C	1010-70-34	Support Arm Weldment	1
D	1010-70-42	Cassette Holder Weldment	1
E	1010-70-50	Adjustment Tube Weldment	1
F	1010-70-30	Base Tube Weldment	1
G	1010-70-45	Knob	3
H	25-55	Pop Rivet	1
J	1010-70-44	Pivot Pin	1
K	26-5	Roll Pin	1

Optional C–Spine Storage Bracket Assembly

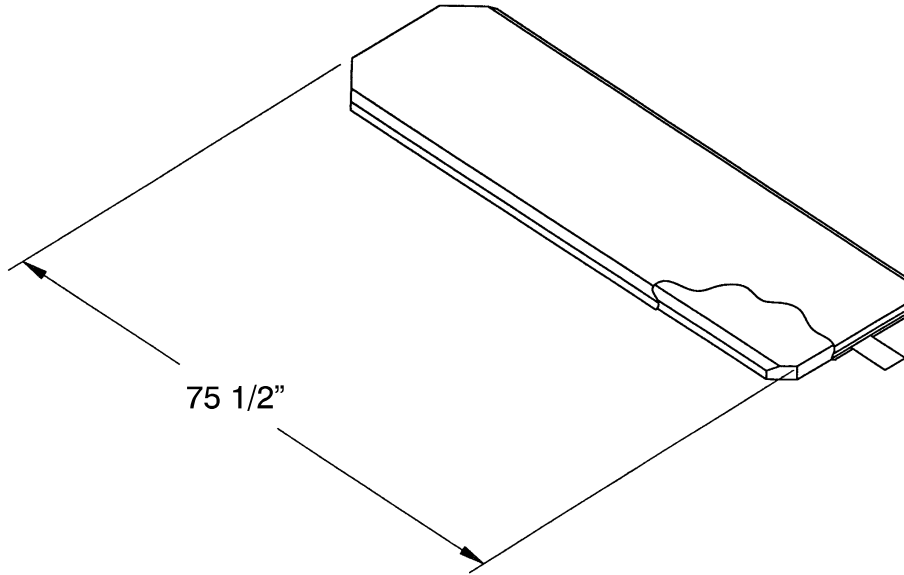
(reference page 85)



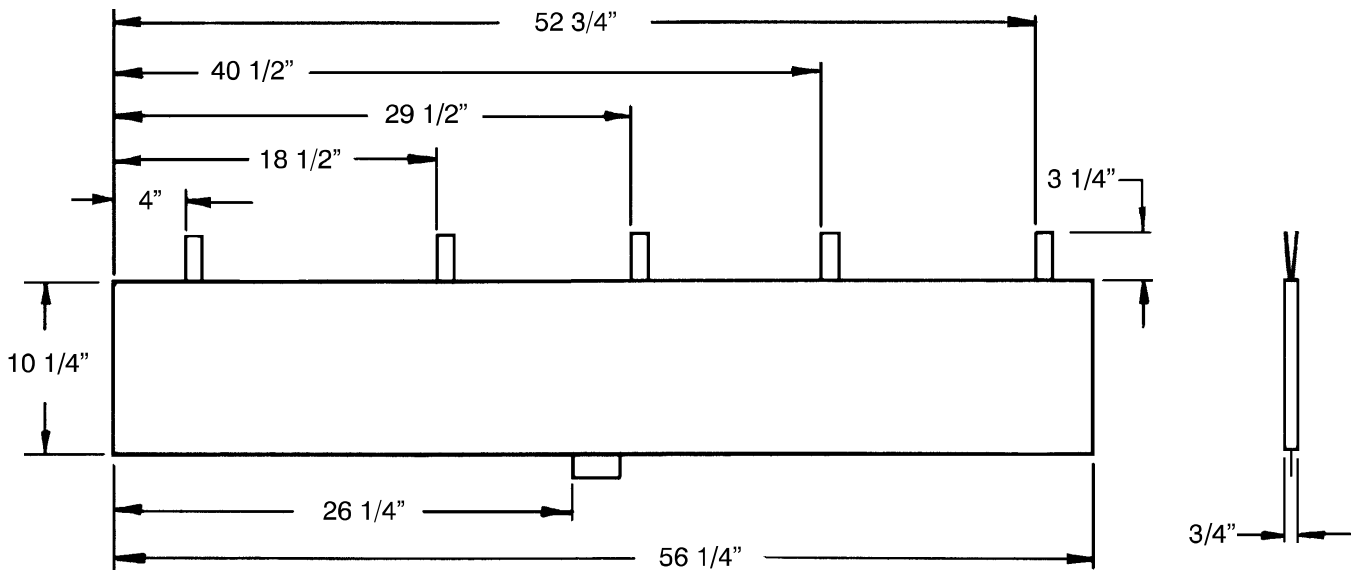
Assembly part number 1010-70-19 (reference only)

Item	Part No.	Part Name	Qty.
A	1010-70-20	Storage Bracket Weldment	1
B	1010-70-45	Knob	1
C	1010-70-23	Storage Label	1

Mattress and Siderail Pads



Mattress, 4" Thick x 29" Wide part # 1550-430-40



Siderail Pad Set part # 1010-52

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. 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. No employee or representative of Stryker is authorized to change this warranty in any way.

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.

Supplemental Warranty Coverage:

Stryker has developed a comprehensive program of extended warranty 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. Stryker offers the following Supplemental Warranties:

Extended (Parts and Labor)

- All replacement parts (excluding mattresses and consumable items)
- Labor and travel for *all* scheduled and unscheduled calls
- Biannual Preventive Maintenance Inspections and repairs
- JCAHO paperwork for preventive maintenance
- Priority Emergency Service

Standard (Labor Only):

- Labor and travel for *all* scheduled and unscheduled calls
- Biannual Preventive Maintenance Inspections and repairs
- JCAHO paperwork for preventive maintenance
- Priority Emergency Service

Basic (Parts Only):

- All replacement parts (excluding mattresses and consumable items)
- Priority Emergency Service

Please call your local representative, or call (800) 327-0770 for further information

Warranty

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.



6300 Sprinkle Road, Kalamazoo, MI 49001-9799

(800) 327-0770

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