stryker®
Medical

1550 Extended Stay Stretcher

Maintenance Manual

For Parts or Technical Assistance
800–327–0770

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INTRODUCTION

This manual is designed to assist you with the maintenance of the 1550 Extended Stay Stretcher. Read it thoroughly before beginning any maintenance on 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	+18°/–18°
Electrical Requirements	110 VAC, 60 Hz, 5.0 Amp

Stryker reserves the right to change specifications without notice.

WARNING / CAUTION / NOTE DEFINITION

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

WARNING

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

CAUTION

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

NOTE

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

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

Hand wash all surfaces of the stretcher with warm water and mild detergent. Dry thoroughly.

CAUTION

Do not steam clean or hose off the 1550 stretcher. Do not immerse any part of the stretcher. Some of the internal parts of the stretcher are electric and may be damaged by exposure to water.

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

_____ All fasteners secure (reference all assembly prints)
_____ Siderails move and latch properly (page 29)
_____ Engage brake pedal and push on the stretcher to ensure all casters lock securely (page 24)
_____ 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 functions operating properly
_____ Ground impedance not more than 100 milliohms
_____ Ground chain intact
_____ Lubricate where required, including the brake adjuster assembly and brake cam (page 23)
_____ No leaks at hydraulic connections
_____ Hydraulic jacks holding properly (page 6)
_____ Hydraulic drop rate set properly (page 21)
_____ Hydraulic oil level sufficient (page 20)
_____ No rips or cracks in mattress cover
_____ Body restraints working properly
_____ I.V. pole intact and operating properly (page 84–90)
_____ Oxygen bottle holder intact and operating properly (page 91)
_____ Accessories and mounting hardware in good condition and working properly

Serial No. _____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

Completed By:_____ Date:_____

NOTE

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

NOTE

The stretcher model and serial numbers are found on the specification label on the base hood (see page 62)

HYDRAULIC SYSTEM TROUBLESHOOTING – NON ELECTRIC LIFT BASE

NOTE
Be sure the pedal linkage has been adjusted properly before beginning service on the jacks (see page 14).

PROBLEM/SYMPTOM	SOLUTION
Jack will not raise to full height.	Check for leaks. Add hydraulic fluid (see p. 20).
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. 17).
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. 18).
Jack will not pump up but the jack actuator rod **does** move when the pump pedal is activated.	Replace valve #2 (see p. 18).
Jack will not pump up and the jack actuator rod may or may not move.	Remove excess air (vacuum) in system (see p. 21).

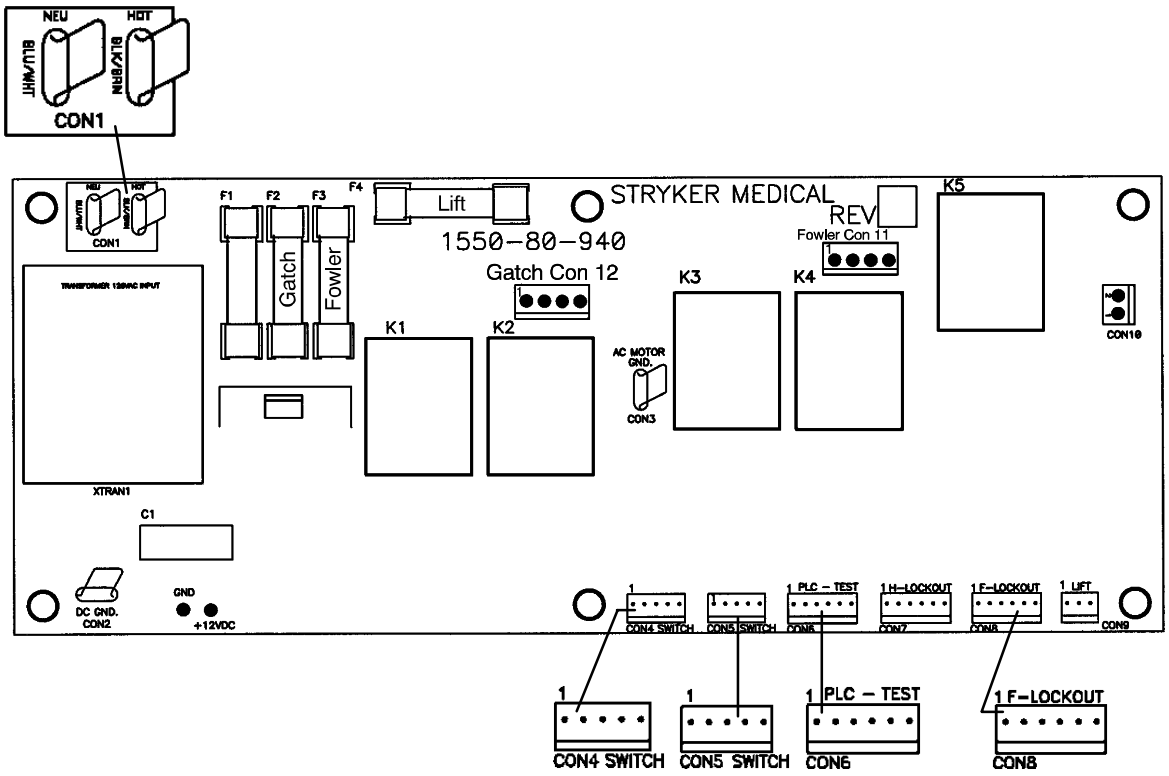
ELECTRICAL SYSTEM TROUBLESHOOTING

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.

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	715–201–150
Brake Cam	715–301–221
Brake Ring	715–1–61
Control Board	1550–80–940
Head Board with Push Bar	1510–289
Hydraulic Jack, Electric Lift Base	1550–270–15
Hydraulic Jack, Non–Electric Lift Base	715–270–10
Hydraulic Oil Kit	1550–570–10
I.V. Caddy	1550–445–5
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	715–270–100
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, Brake/Steer	1210–201–153
Pedal Dual–Lowering	1210–501
Pedal, Release, Foot End	1210–201–155
Pedal, Uni–Lowering	1210–500
Pedal Pad, Side Control	715–1–126
Power Cord, Detachable	39–254
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

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

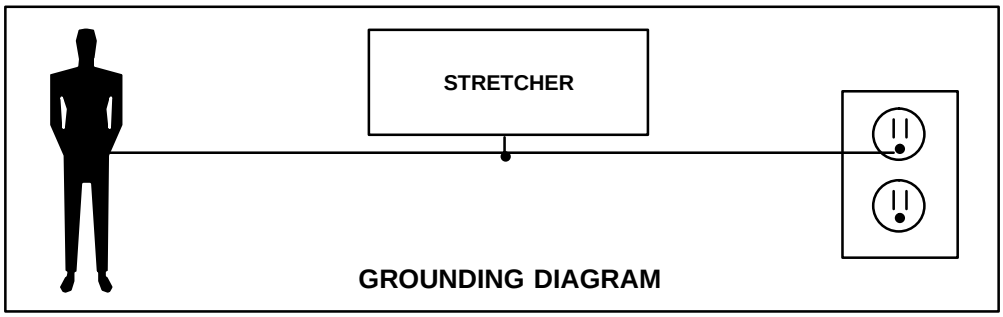
All electronic service parts will be shipped in static shielding bags. Do not open the bags until you have completed steps 2 and 3 of the following procedure. Do not place unprotected circuit boards on the floor. All circuit boards to be returned to Stryker Medical should be shipped in the static shielding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

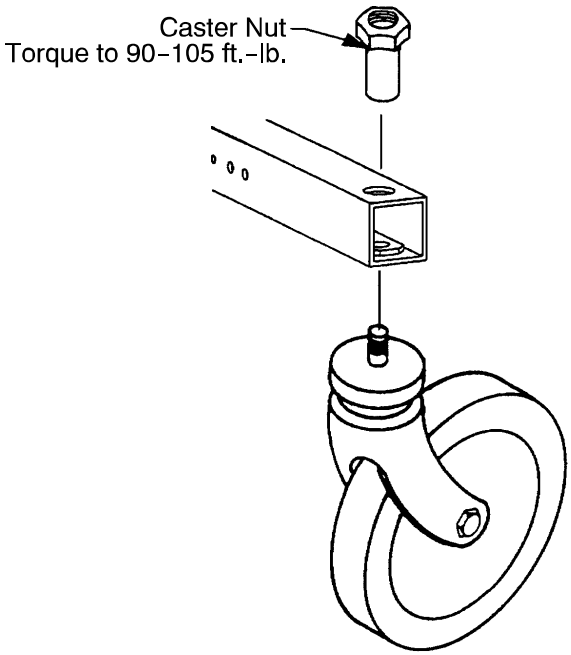
2. Insert the grounding plug into a properly grounded hospital grade wall receptacle. Plug the banana plug of the test lead into the receptacle on the grounding plug. Connect the alligator clip on the other end of the test lead to the ground chain of the stretcher.

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.



GROUNDING DIAGRAM

CASTER ASSEMBLY REPLACEMENT



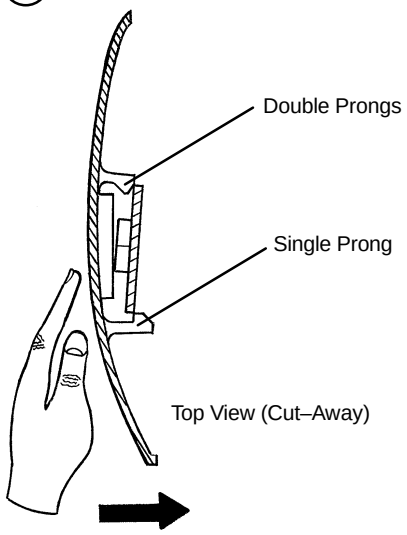
1. Remove the old caster assembly.
2. Install the replacement caster and caster nut. Tighten the caster nut to 90–105 ft.–lb. with a torque wrench.

NOTE

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

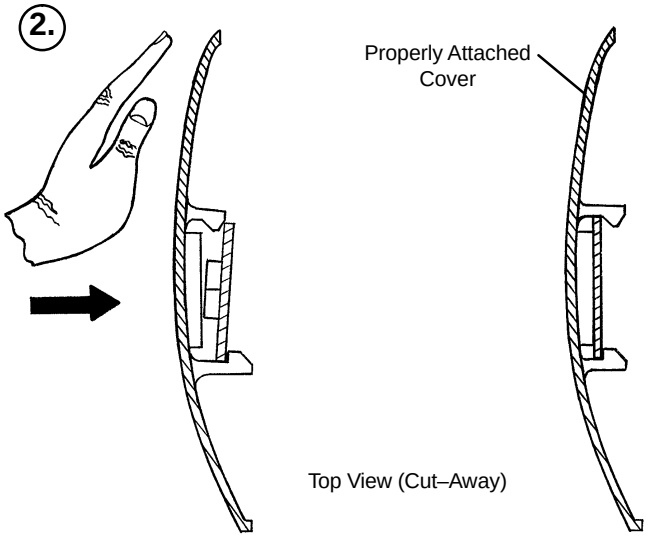
CASTER COVER INSTALLATION AND REMOVAL

1.



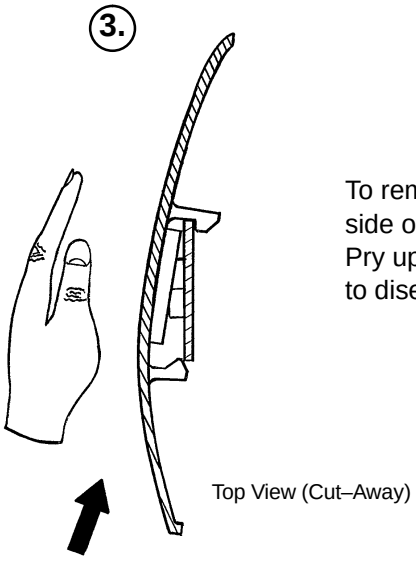
Looking through the larger of the two side cut–outs, align cover with axle nut or bolt head, as shown. Push down on the opposite side of the cover until single prong engages with caster horn.

2.



Push with palm on cover until double prongs engage.

3.



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

BRAKE CAM REPLACEMENT

Brake Cam Part Number 715–201–213

Required Tools:

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

Procedure:

1. Lift and support the base hood using string or bungee cord.
2. Using a 3/32” Allen wrench, loosen the set screw holding the brake adjuster to the brake ring and turn the adjuster clockwise to remove it.
3. Using a 1/8” Allen wrench, remove the shoulder bolt and nut holding the brake link on the cam and remove the cam.
4. Reverse the above steps to install the new cam. Apply and release the brakes several times to verify they operate properly. If adjustment is required, see page 24.

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

Procedure:

1. Lift and support the base hood using string or bungee cord.
2. 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 12).
5. Remove one of the complete caster assemblies (see page 11). 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 needle–nose pliers, carefully 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.

7. If you are working on an end control base, remove the spring from the pump pedal.
8. Lower the brake ring and remove it from the base. Remove the brake pads and bushings and install them on the new brake ring.
9. 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 24. Reinstall the base hood.

FIFTH WHEEL REPLACEMENT

Required Tools:

Pliers | String or Bungee Cord | 3/16” Allen Wrench

(2) 9/16” Box End Wrenches

Procedure:

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

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

BASE SIDE CONTROL PEDAL LINKAGE ADJUSTMENT

Required Tools:

3/8” Wrench | 5/32” Hex Allen Wrench | 7/16” Wrench

Bungee Cords

Adjustment Procedure:

1. Place 150–200 pounds on the litter and 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. Using a 3/8” wrench and a 5/32” hex Allen wrench, loosen the appropriate pedal linkage adjustment nut until the jack stops ”drifting”. Raise the litter to full up.
4. Tighten the pedal linkage adjustment nut until the jack begins to slowly descend.
5. Using a 7/16” wrench, back the pedal linkage adjustment nut out four full turns. Raise the litter to full up.
6. Loosen the pedal linkage adjustment nut and ensure no drift occurs. If the jack drifts, repeat procedure.

BASE SIDE CONTROL BRAKE/STEER GEAR REPLACEMENT

Required Tools:

Pliers	String or Bungee Cord	Floor Jack or Equivalent
1/8” Allen Wrench	5/32” Allen Wrench	3/8” Box End Wrench
(2) 9/16” Box End Wrenches	3/16” Punch	1/4” Punch
Hammer		

Procedure:

1. Apply the stretcher brakes.
2. Pump the litter up to full height.
3. Lift and support the base hood using string or bungee cord.
4. Using pliers, remove the cotter pins from both jack pump pistons and the pump linkage.
5. Using the 9/16” box end wrenches, remove the two bearing plate bolts.
6. Remove the cotter pin on the side brake bar.
7. Remove the bearing plate and pull out the idler gear rod while holding onto the gear. Lift the gear out.
8. Slide the miter gear away from the rod spacer and remove the dowel pin.
9. Using the floor jack, raise the side of the base you are working on approximately four inches.
10. Rotate the brake bar so the pedals are upside down.
11. Using a 1/4” punch and a hammer, remove the groove pin from the side brake rod.
12. Using a 3/16” punch and hammer, remove the 3/16” groove pin from the pedal.
13. Using a 5/32” Allen wrench, remove the set screw from the collar inside the gear box.
14. Remove the brake rod while holding the gear on the rod.
15. Using a 1/8” Allen wrench and a 3/8” box end wrench, remove the nuts and bolts holding the brake link to the rod.
16. Using a 5/32” Allen wrench, remove the set screw from the collar outside of the gear box.
17. Using a 1/4” punch, remove the roll pin from the cam and brake link collar.
18. Reverse the above steps to install the replacement gear.
19. Inspect each gear for wear. Lube with MPG–2 grease or the equivalent if necessary.

UNI–PEDAL REPLACEMENT

Required Tools:

Drill w/3/16” Drill Bit	Floor Jack	Pop Rivet Tool

Replacement Procedure:

1. Set the stretcher brake and pump the litter up fully.
2. Use the floor jack to raise the side of the base frame off the floor approximately four inches.
3. Using a drill with a 3/16” drill bit, drill out the rivets on the bottom of the pedal to be replaced.
4. Using a pop rivet tool and rivets, install the replacement pedal.
5. Lower the stretcher to the floor. Test the operation of the pedal before returning the stretcher to service.

JACK REPLACEMENT – NON ELECTRIC LIFT BASE (WITHOUT COMPRESSION SPRING)

Required Tools:

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

Replacement Procedure:

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

JACK REPLACEMENT – NON ELECTRIC LIFT BASE (WITH COMPRESSION SPRING)

Required Tools:

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

Replacement Procedure:

1. Apply stretcher brakes. Raise litter to full up. Raise Fowler to full up and raise siderails.
2. Use a 3/8” wrench to remove the bolt in the litter support tube above black bellows on both ends.
3. With the assistance of another person, lift off the stretcher litter and set it aside, taking care not to damage the siderails, etc.
4. Push down on the jack actuator to put the jack in the full down position.
5. Lift off the plastic base hood, separating the Velcro holding it to the base frame.
6. Using needle–nosed pliers, pull cotter pin from pump cylinder.
7. Using a straight screwdriver and pump spring compression tool (available upon request), compress the pump spring and pry the pump link out of the pump cylinder.

CAUTION

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

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

HYDRAULIC CHECK VALVE REPLACEMENT – NON–ELECTRIC LIFT BASE

Required Tools:

3/8 Open End Wrench
3/4 Open End Wrench
1/2 Inch Diameter Rod
Stiff Wire (with bent, pointed end)
Torque Wrench (with Ft. Lbs. adjust.)
Small Needle Nose Pliers
7/32 Hex Allen Wrench

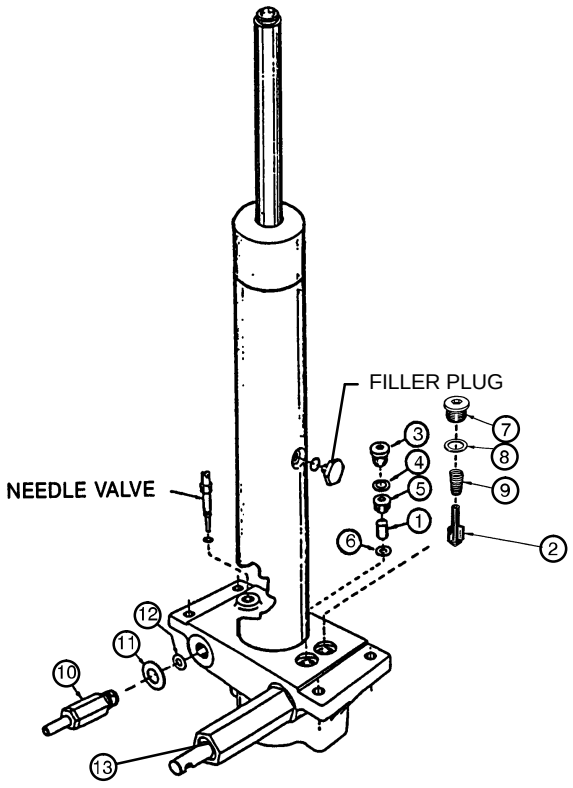
Replacement of Valve #1

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. Remove the base plug (3) and discard the seal (4).
2. Remove the valve plug (5).
3. Using a stiff wire with a bent, pointed end, remove the valve (1) and the seal (6) and discard the seal.
4. Install the new seal (6) flat to the bottom of its hole with a 1/2” diameter rod.
5. Install the new valve (1) with the beveled end out (as shown in the illustration).
6. Install the valve plug (5) and tighten to 10 foot–pounds torque.
7. Install the new seal (4) with the base plug (3) 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.

ITEM	PART NO.	PART NAME
1	926–20–153	Check Valve
2	715–1–341	Poppet
3	715–1–301	Base Plug
4	926–20–156	Seal
5	715–1–309	Valve Plug
6	926–20–154	Seal
7	715–1–301	Base Plug
8	926–20–156	Seal
9	390–2–134	Con. Comp. Spring
10	715–270–100	Valve Assembly
11	45–966	O–Ring
12	45–967	O–Ring
13	715–100–325	Pump Piston



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

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

JACK/MOTOR REPLACEMENT – ELECTRIC LIFT BASE

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.

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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 10). 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.
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.

JACK ASSEMBLY TORQUE SPECIFICATION

Jack Assembly with Threads Oiled

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

Jack Base Assembly with Threads Oiled

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

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.

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.

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 14).
2. Using pump pedal, actuate system several times. This will force the air through the system and the jack should now pump up.

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.

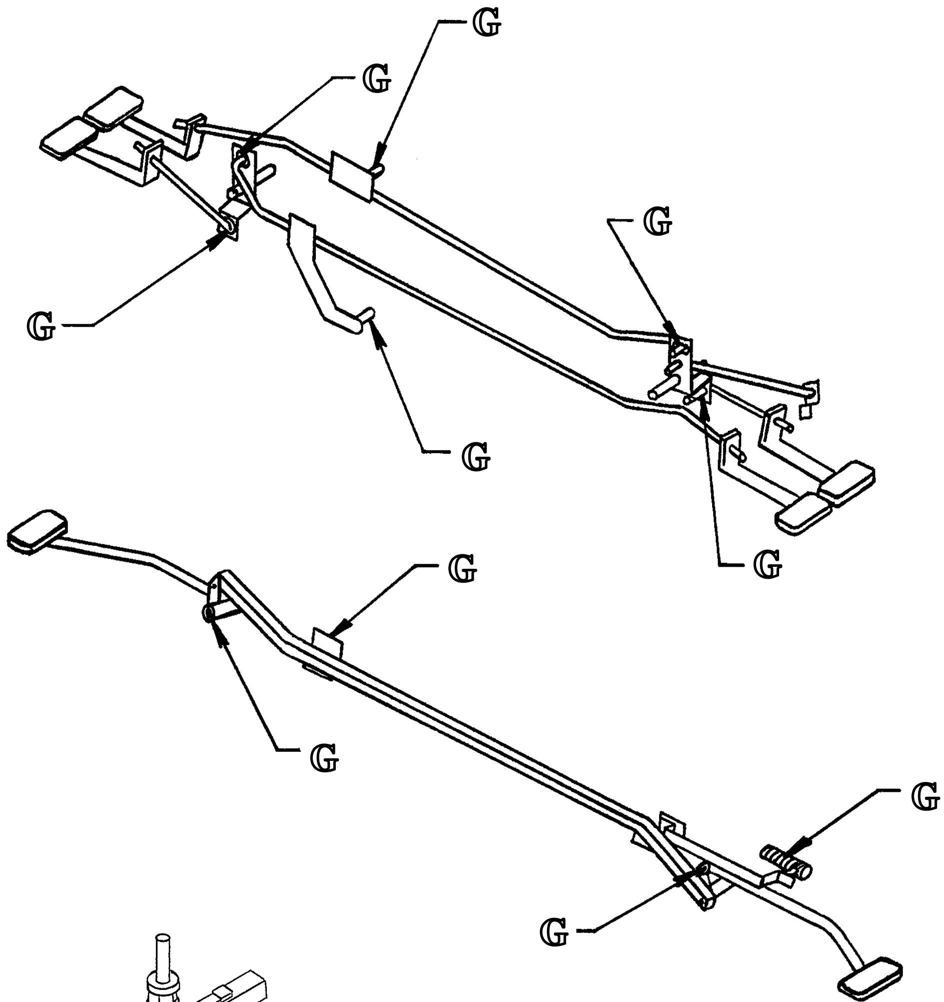
2. Remove the four Phillips head screws securing the base hood to the base frame. Lift the hood and secure it to the litter using string or bungee cords. Use caution when lifting the hood so none of the wires leading to the litter are pulled loose.
3. Locate the black pressure hose leading from the top 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.

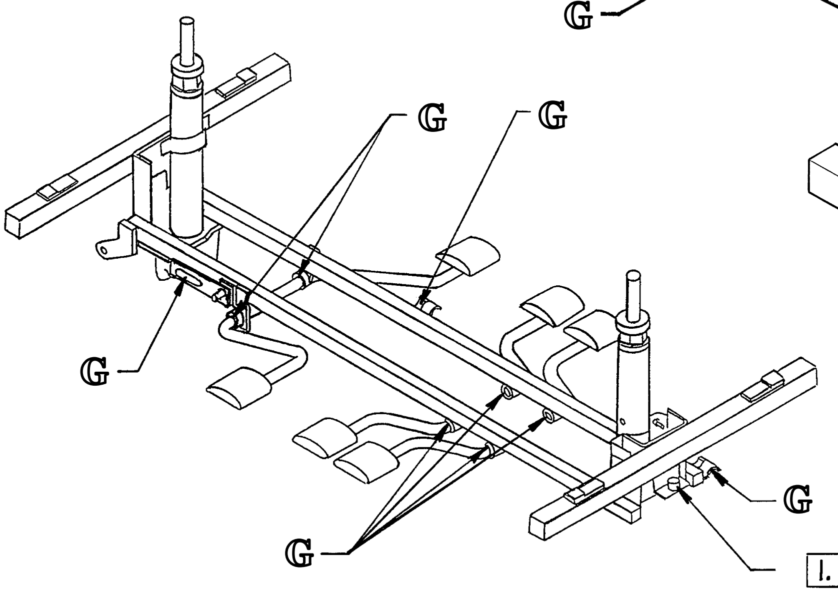
CAUTION

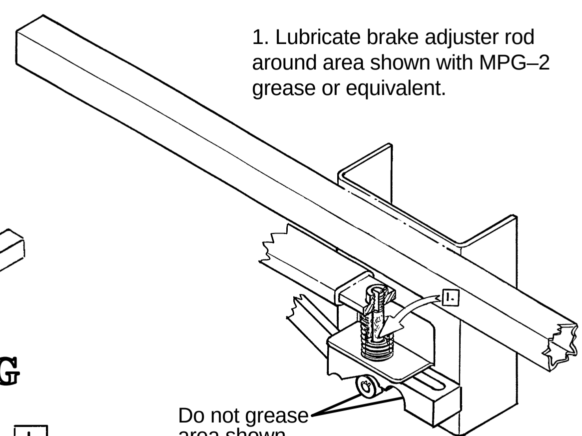
Do not over–tighten the fitting. Thread the brass nut by hand and tighten approximately 60° or one flat of the nut.

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.

BASE LUBRICATION POINTS



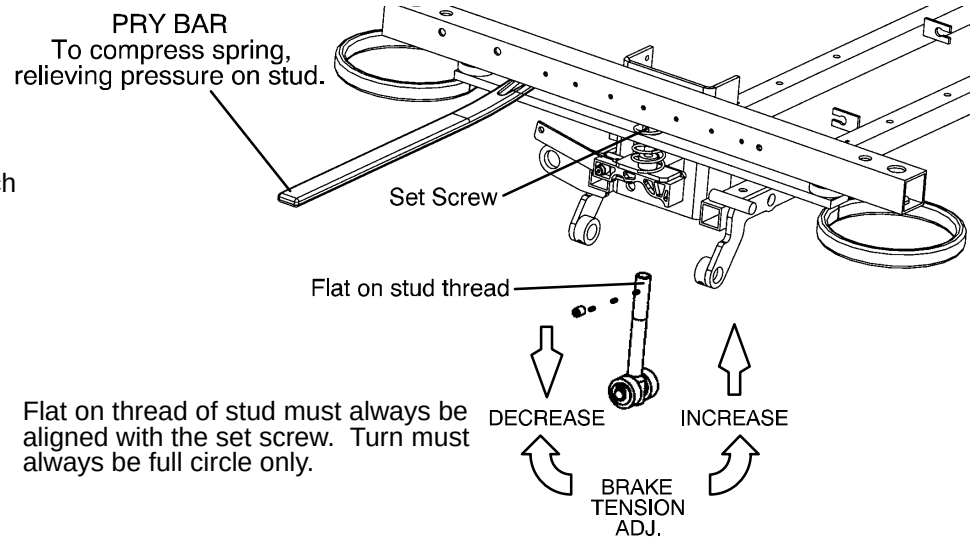




BRAKE ADJUSTMENT

Required Tools:

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

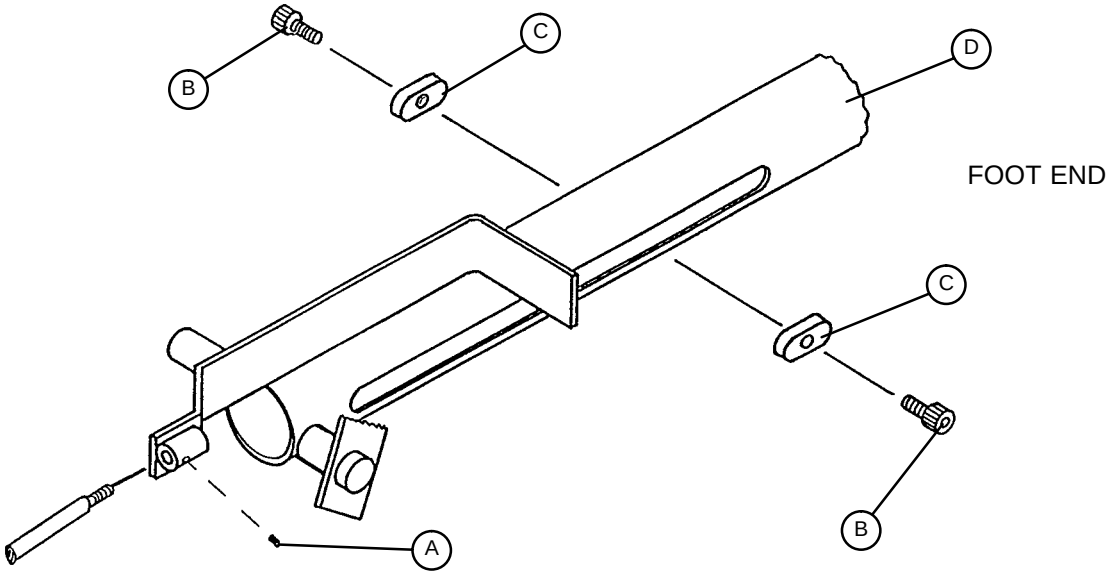


Flat on thread of stud must always be aligned with the set screw. Turn must always be full circle only.

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 10).
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.
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.

FOWLER LIFT MOTOR/ACTUATOR REPLACEMENT (CONTINUED)

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 28.

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.

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 10).
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 28 for limit switch adjustment.

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.

LOGIC CIRCUIT BOARD REPLACEMENT

Logic Circuit Board Part Number 1550–80–940

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 10).
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 reconnected 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.

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.

PATIENT CONTROL LOCKOUT SWITCH REPLACEMENT

Lockout 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 10).
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.

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 10).
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:

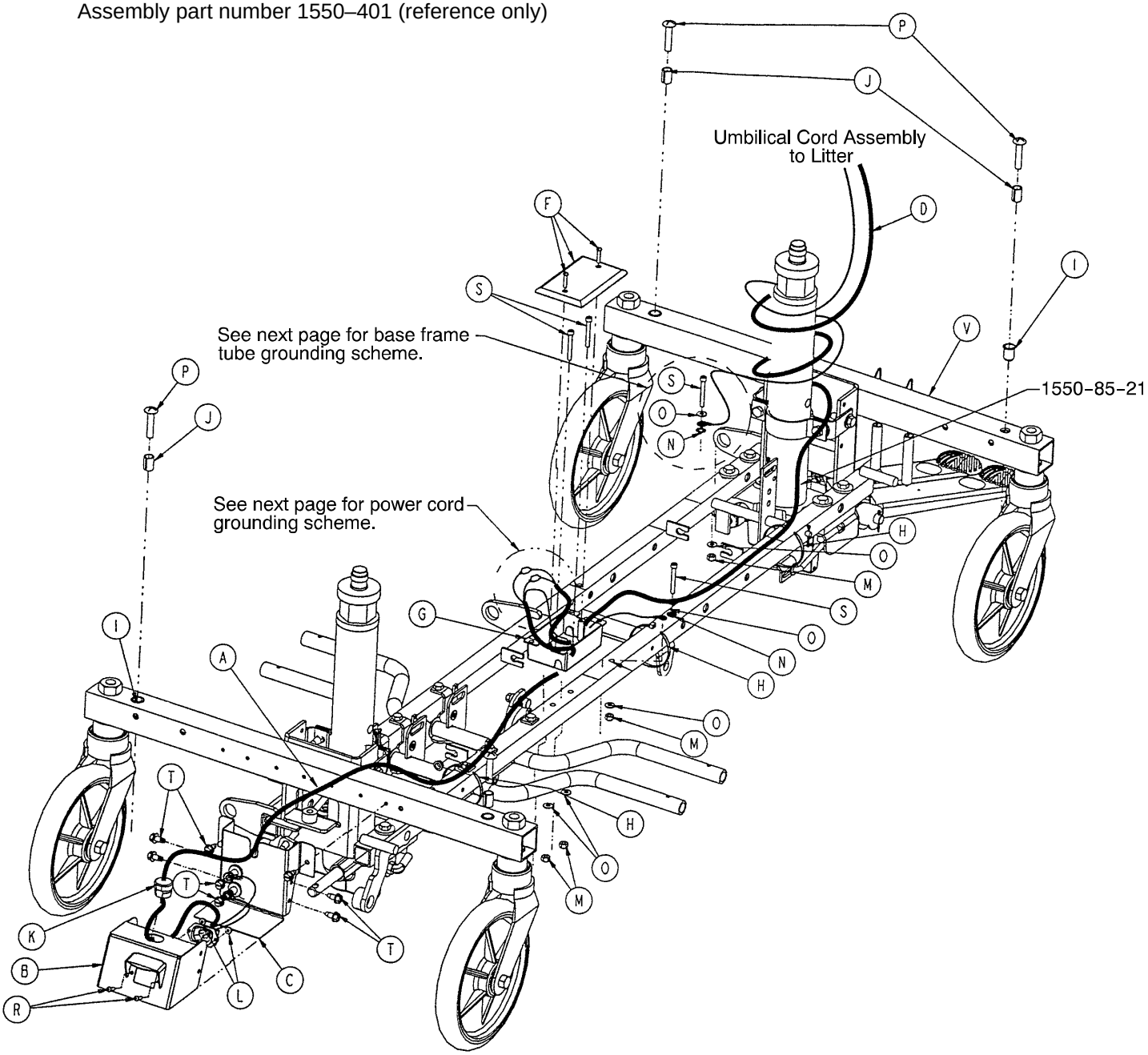
5/64” Allen Wrench

Procedure:

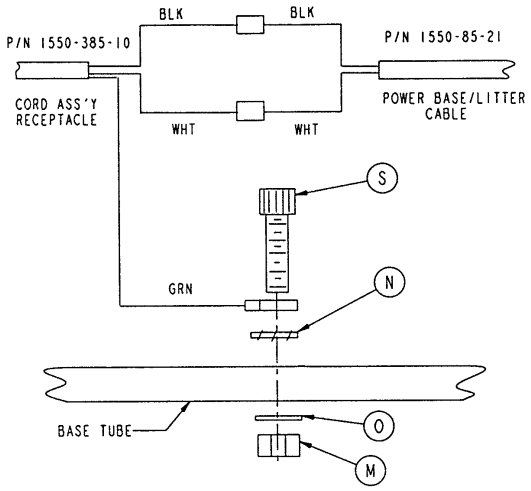
1. Unplug the power cord from the wall socket. Properly ground yourself (see page 10). Lower the siderail.
2. Peel the label off the siderail top rail.
3. Using a 5/64” Allen wrench, remove the two screws from the top rail.
4. Pull the control assembly out of the inside of the top rail and disconnect 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.

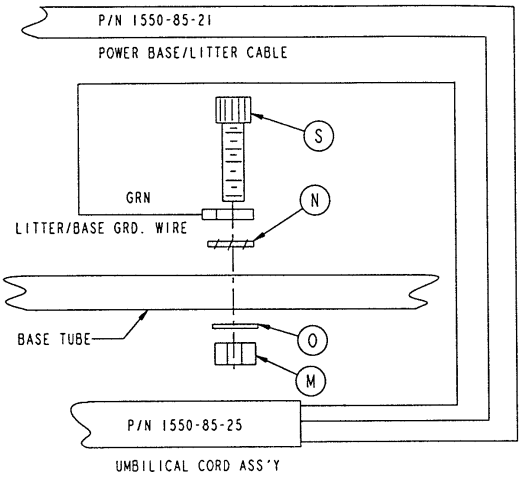
Non–Electric Lift Base Assembly

Assembly part number 1550–401 (reference only)



Non–Electric Lift Base Assembly

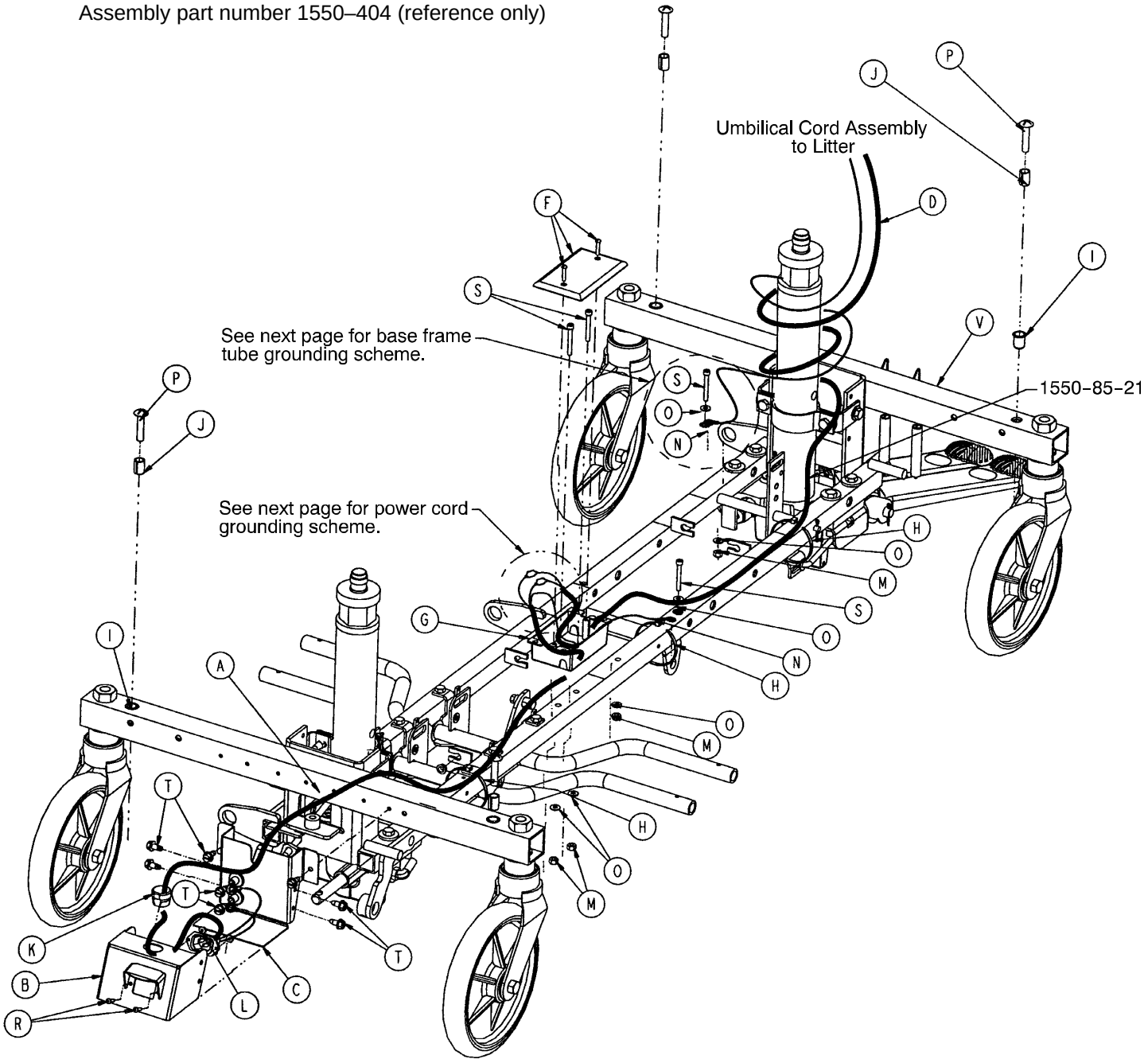




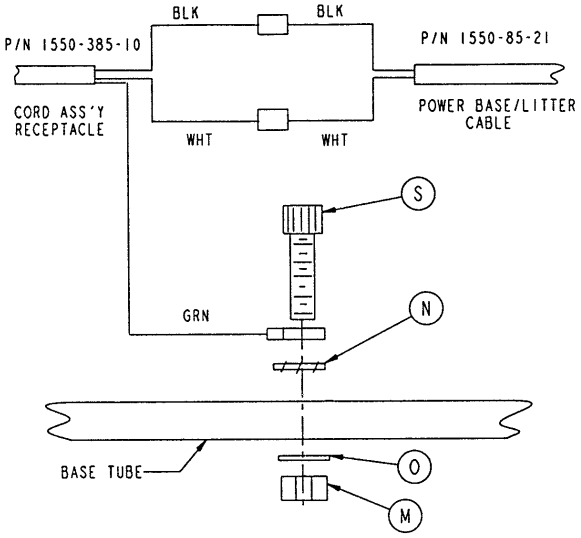
Item	Part No.	Part Name	Qty.
A	1550–385–10	Wire Harness w/Socket	1
B	1550–201–102	Socket Box Cover	1
C	1550–201–101	Socket Box Brkt. w/Weldstud	1
D	1550–85–25	Umbilical Cord w/o Lift Option	1
F	59–118	Switch Box Cover	1
G	59–116	PVC Switch Box	1
H	59–75	Cable Tie	5
I	55–18	Threaded Insert	4
J	52–263	Tubular Spacer	4
K	30–27	Strain Grommet	1
L	16–23	Nut	2
M	16–3	Hex Nut	4
N	13–10	Tooth Lock Washer	2
O	11–1	Washer	6
P	7–35	Truss Hd. Mach Screw	4
R	4–126	Soc. But. Hd. Cap Screw	2
S	4–85	Soc. Hd. Cap Screw	4
T	3–221	Hex Washer Hd. Screw	8
V	(page 34–37)	Base Assembly	1

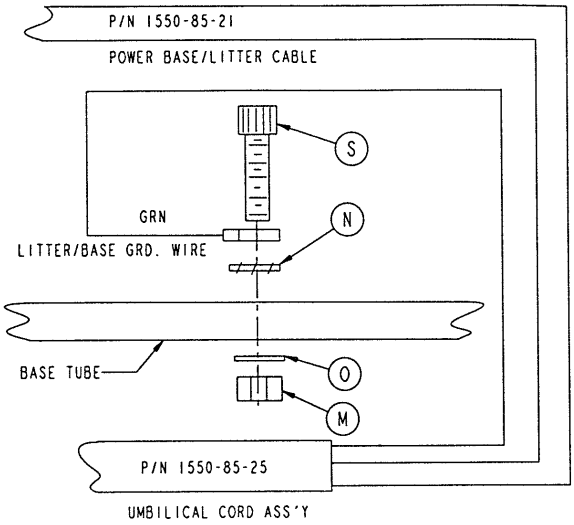
Constant Descent Non–Electric Lift Base Assembly

Assembly part number 1550–404 (reference only)



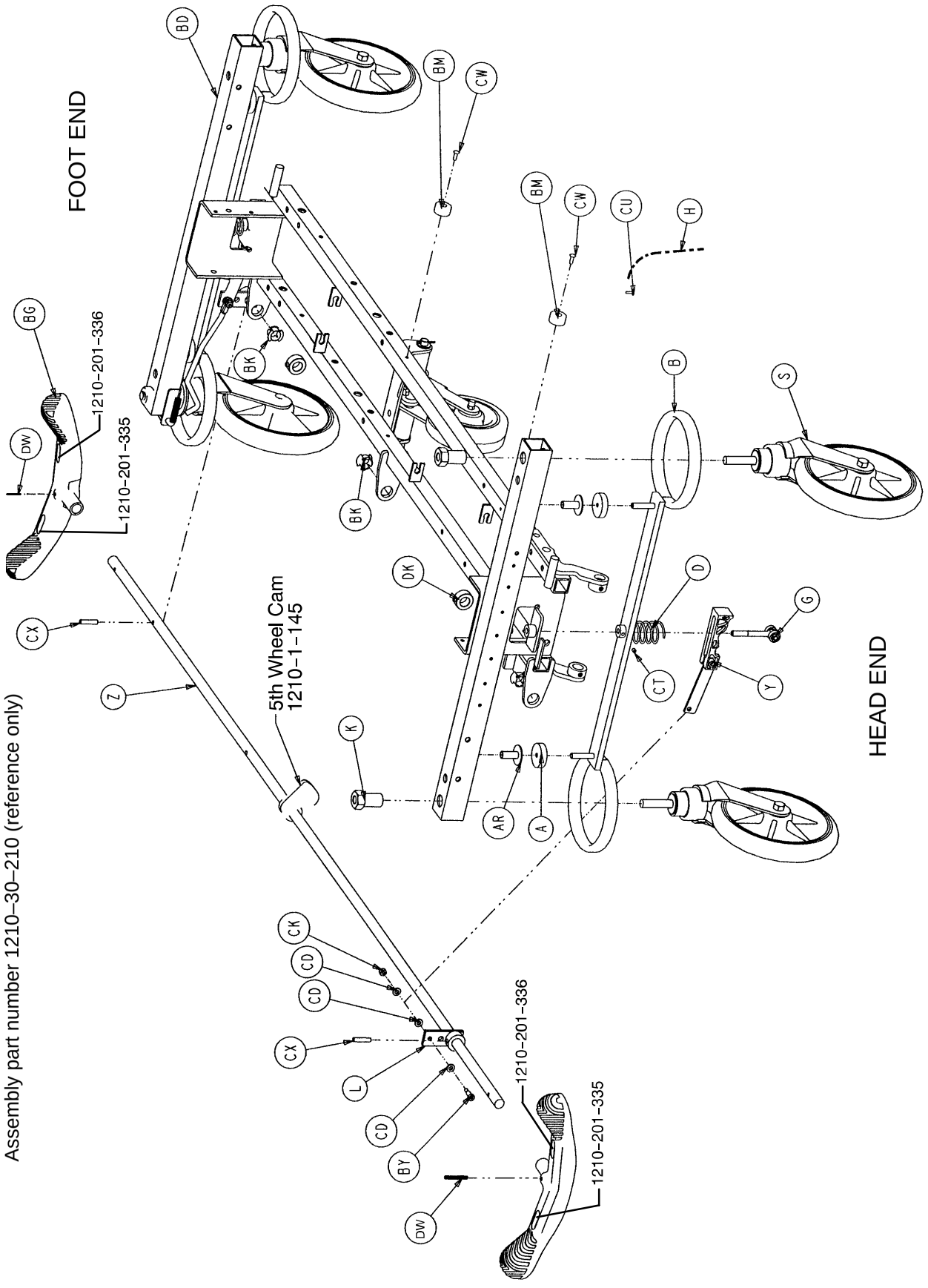
Constant Descent Non–Electric Lift Base Assembly



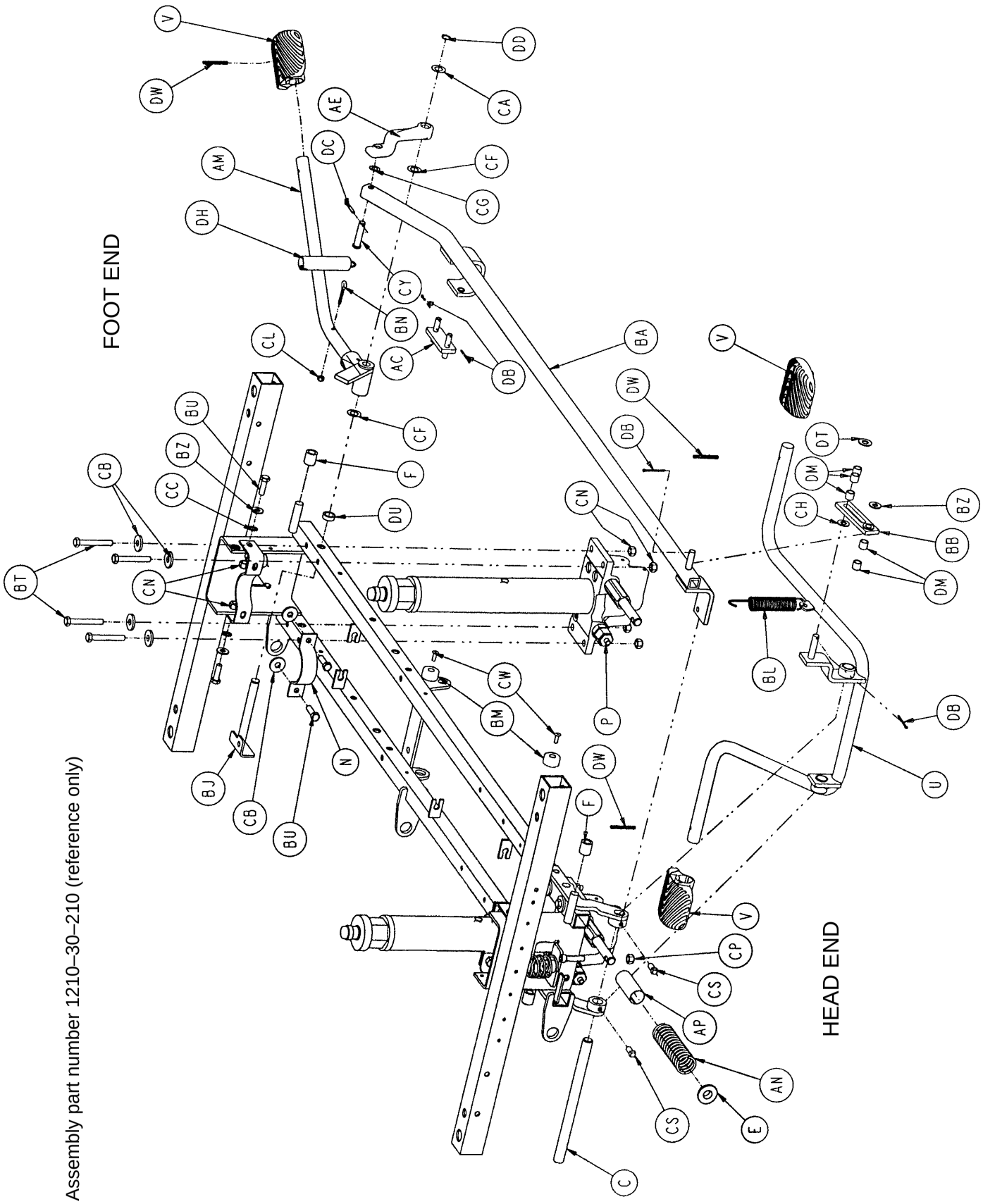


Item	Part No.	Part Name	Qty.
A	1550–385–10	Wire Harness w/Socket	1
B	1550–201–102	Socket Box Cover	1
C	1550–201–101	Socket Box Brkt. w/Weldstud	1
D	1550–85–25	Umbilical Cord w/o Lift Option	1
F	59–118	Switch Box Cover	1
G	59–116	PVC Switch Box	1
H	59–75	Cable Tie	5
I	55–18	Threaded Insert	4
J	52–263	Tubular Spacer	4
K	30–27	Strain Grommet	1
L	16–23	Nut	2
M	16–3	Hex Nut	4
N	13–10	Tooth Lock Washer	2
O	11–1	Washer	6
P	7–35	Truss Hd. Mach Screw	4
R	4–126	Soc. But. Hd. Cap Screw	2
S	4–85	Soc. Hd. Cap Screw	4
T	3–221	Hex Washer Hd. Screw	8
V	(page 34–37)	Base Assembly	1
W	(page 40.1)	Constant Flow Jack Assembly	2

3–Sided Control Base Assembly

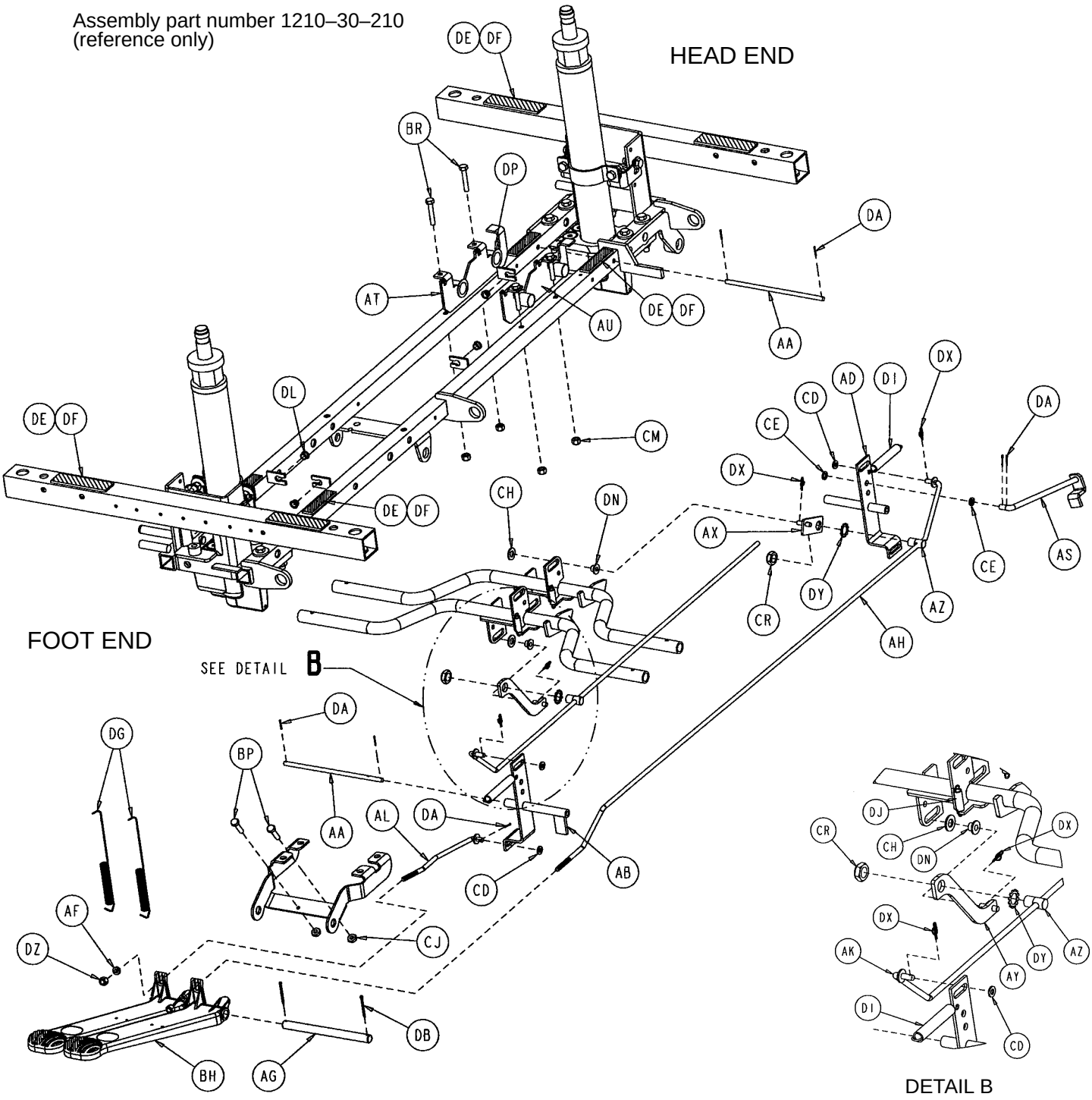


3–Sided Control Base Assembly



3–Sided Control Base Assembly

Assembly part number 1210–30–210
(reference only)

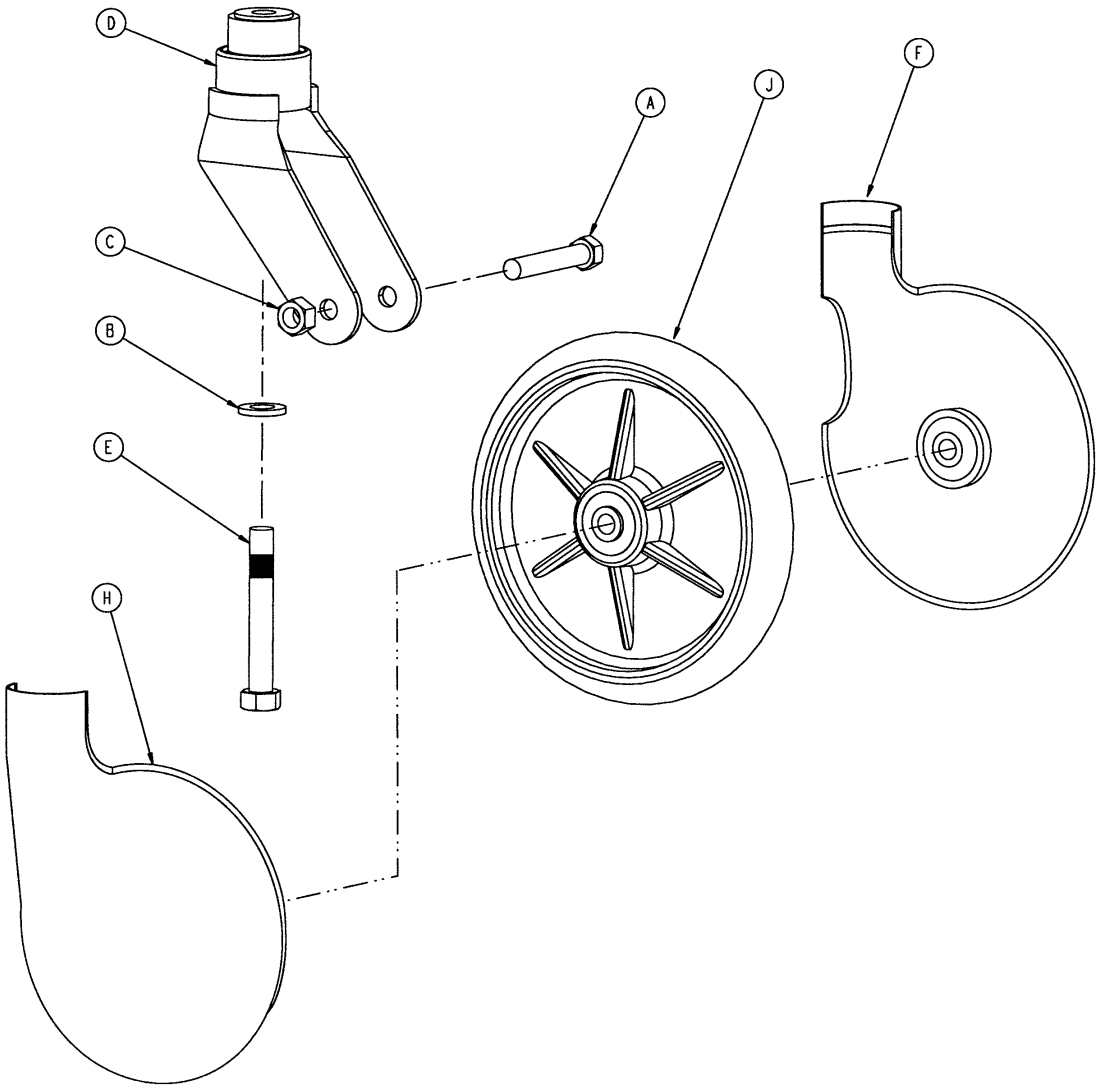


DETAIL B

3–Sided Control Base Assembly

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	715–1–11	Brake Cushion	4	BP	3–3	Hex Hd. Cap Screw	4
B	715–1–61	Caster Brake Weldment	2	BR	3–47	Hex Hd. Cap Screw	4
C	715–1–92	Pump Pedal Shaft	1	BT	3–62	Hex Hd. Cap Screw	8
D	715–201–94	Compression Spring	2	BU	3–85	Hex Hd. Cap Screw	8
E	715–1–133	Collar	1	BX	4–146	Soc. Hd. Cap Screw	2
F	715–1–140	Vinyl Tube	2	BY	8–17	Shoulder Bolt	2
G	(page 54)	Brake Adjuster Assembly	2	BZ	11–3	Washer	9
H	715–1–156	Ground Chain	1	CA	11–13	Washer	1
K	715–1–158	Caster Nut	4	CB	11–262	Washer	11
L	715–1–165	Actuator Plate Wldmt.	2	CC	13–38	Ext. Tooth Lock Washer	4
M	715–1–192	Jack Support	2	CD	14–2	Washer	11
N	715–1–193	Jack Support Clamp	2	CE	14–3	Washer	2
S	(page 38)	Caster Assembly	4	CF	14–7	Washer	7
U	715–201–108	Pump Pedal Assembly	1	CG	14–9	Washer	2
V	715–201–126	Slip On Pump Pedal	3	CH	14–21	Washer	3
Y	(page 53)	Brake Cam Assembly	2	CJ	15–11	Hex Nut	4
Z	715–201–230	Brake Bar	1	CK	16–2	Hex Nut	2
AA	716–1–15	Release Pivot Bar	2	CL	16–14	Nylock Nut	1
AB	716–1–52	Pivot Assembly, Foot End	1	CM	16–28	Hex Nut	4
AC	716–1–102	Pump Link Wldmt., Ft. End	1	CN	16–36	Hex Nut	16
AD	716–1–119	Pivot Assembly, Hd. End	1	CP	16–48	Hex Nut	1
AE	716–201–281	Pump Idler Link	1	CR	16–49	Hex Nut	2
AF	716–1–286	Release Ball Spacer	2	CS	46–2	Sq. Hd. Set Screw	2
AG	716–201–61	Release Pedal Pivot Rod	1	CT	21–151	Set Screw	2
AH	716–301–70	Long Release Rod	1	CU	23–25	Self Tapping Screw	1
AK	716–301–72	Medium Release Rod	1	CW	25–50	Rivet	2
AL	716–301–74	Release Rod	1	CX	26–13	Spring Pin	2
AM	(page 55)	Pump Pedal Ass'y, Ft. End	1	CY	26–195	Clevis Pin	2
AN	763–1–15	Jack Spring	1	DA	27–4	Cotter Pin	7
AP	763–1–16	Spring Holder	1	DB	27–3	Cotter Pin	7
AR	946–1–116	Brake Bar Bushing	4	DC	27–16	Cotter Pin	7
AS	1210–101–112	Rel. Rod, Head End, Lt.	1	DD	28–97	Ext. Retaining Ring	1
AT	1210–1–115	Pedal Pivot, Lt.	1	DE	29–7	Dual Lock	7
AU	1210–1–114	Pedal Pivot, Rt.	1	DF	29–9	Dual Lock	7
AX	1210–1–123	Rel. Pedal Trans. Wldmt.	1	DG	38–335	Desc. Pedal Return Spring	2
AY	1210–1–134	Rel. Pedal Linkage	1	DH	38–451	Pump Return Spring	1
AZ	1210–1–138	Release Rod Clamp	2	DI	38–326	Extension Spring	2
BA	1210–201–28	Pump Rod Ass'y Angle	1	DJ	38–355	Extension Spring	2
BB	1210–201–104	Slip Link Assembly	1	DK	42–20	Collar	2
BC	1210–201–111	End Rel. Pedal Bracket	1	DL	52–245	Nyliner	4
BD	1210–201–120	Base Frame Weldment	1	DM	52–284	Spacer	5
BF	1210–201–152	Side Rel. Pedal Wldmt.	2	DN	52–302	Flange Bearing	2
BG	1210–201–153	Butterfly "V" Pedal	2	DP	52–747	Flange Bearing	4
BH	1210–201–155	Foot Rel. Pedal, Offset, Lt	2	DT	11–4	Washer	1
BJ	1210–201–201	Pivot Pin Bracket, Foot End	1	DU	11–350	Washer	1
BK	1210–201–251	Insert	3	DW	26–143	Groove Pin	5
BL	1210–301–252	Spring	1	DX	27–20	Rue Cotter Pin	4
BM	1210–201–550	Wear Plate	2	DY	8815–005–800	Ext. Tooth Lock Washer	2
BN	1210–201–551	Eyebolt	1	DZ	16–102	Fiberlock Nut	2

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

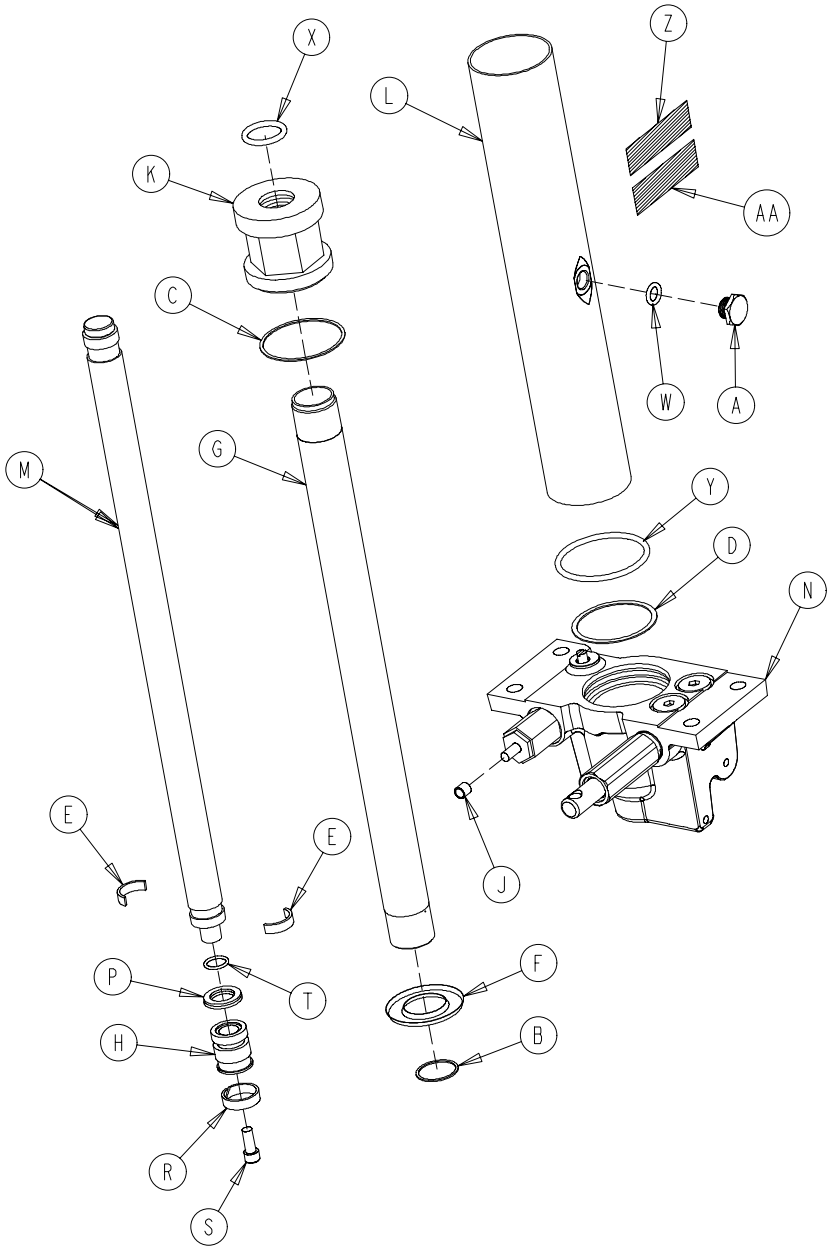
p/n 715–259–400 – Kit to replace 4 standard caster assemblies with hardware – no caster covers.

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.

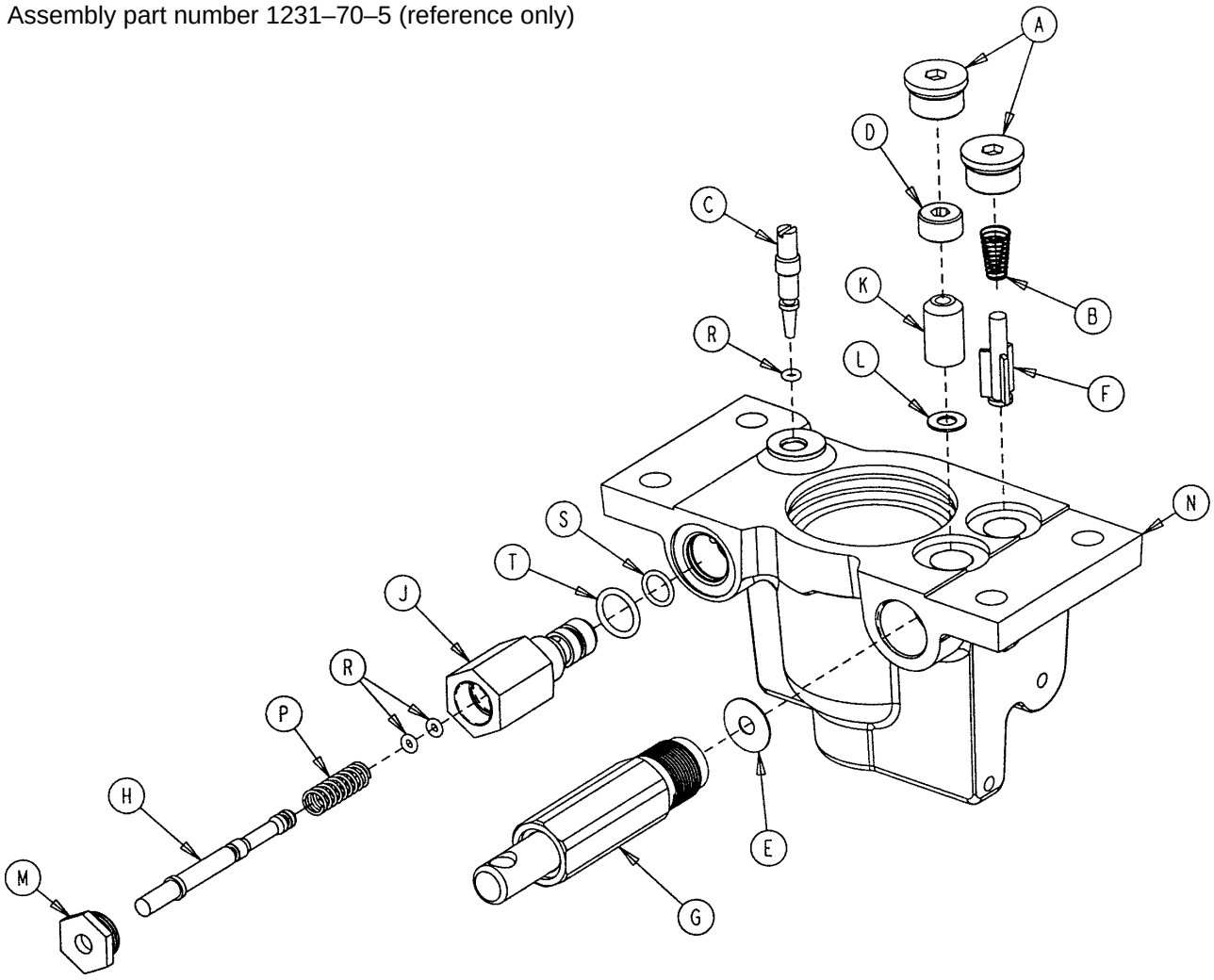
1231–70–10 Jack Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	388–100–38	Plug	1	M	715–1–325	Actuator Rod	1
B	390–1–238	Actuator Gasket	1	N	(page 40)	Jack Base Ass'y	1
C	390–1–243	Gasket	1	P	926–20–161	Parker Packing	1
D	390–1–244	Base Gasket	1	R	926–20–162	Wear Ring	1
E	390–2–139	Retaining Ring	2	S	4–14	Soc. Hd. Cap Screw	1
F	715–1–320	Jack Screen	1	T	45–14	O–Ring	1
G	715–1–323	Actuator Cylinder	1	W	45–110	O–Ring	1
H	715–1–331	Piston End	1	X	45–904	O–Ring	1
J	715–1–333	Rel. Rod Stop Sleeve	1	Y	45–978	O–Ring	1
K	715–1–340	Jack Cap Assembly	1	Z	1231–70–110	Label	1
L	715–1–422	Reservoir	1	AA	921–1–252	Serial Number Label	1

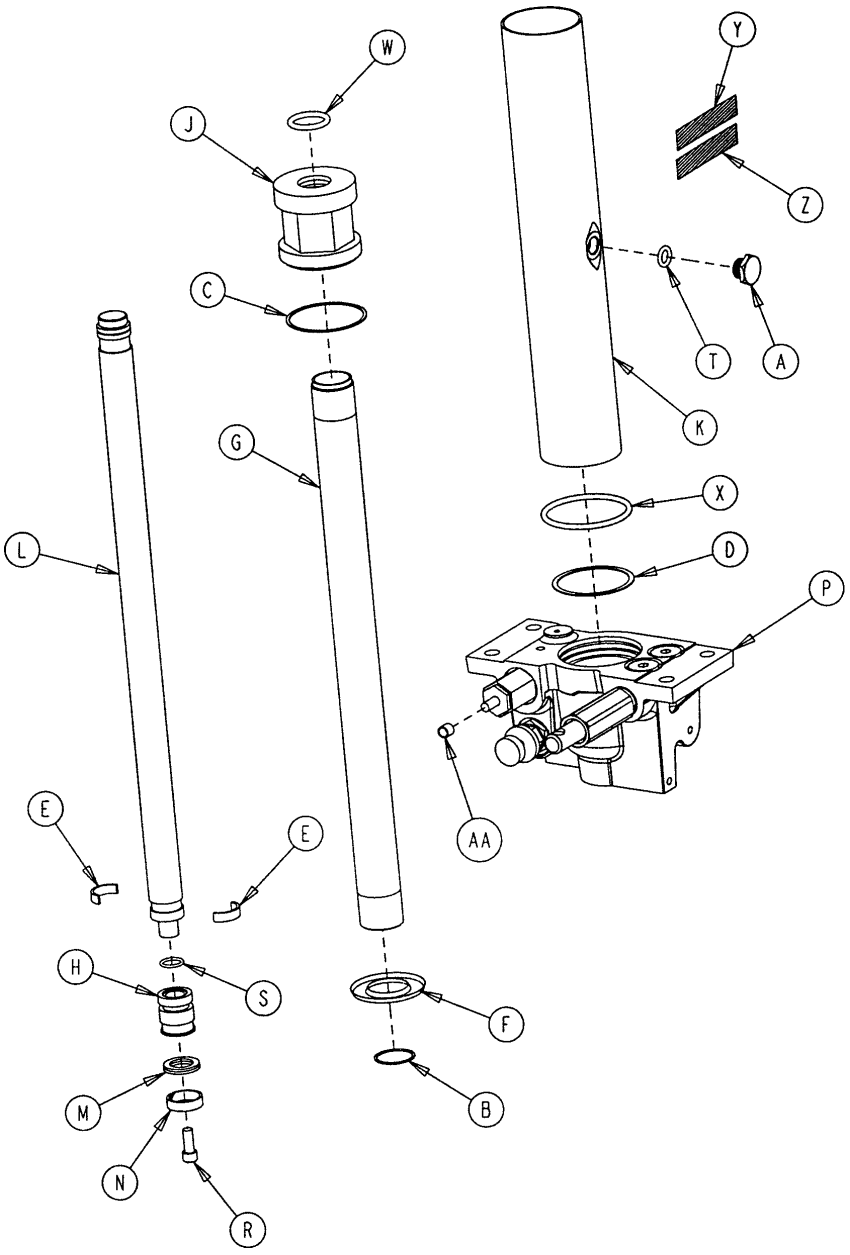
Jack Base Assembly

Assembly part number 1231–70–5 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	48–147	Base Plug	2	K	926–20–153	Check Valve	1
B	390–2–134	Conical Comp. Spring	1	L	926–20–154	Seal	1
C	715–1–307	Needle Valve	1	M	1210–170–13	Base Plug	1
D	715–1–309	Valve Plug	1	N	1210–270–12	Jack Base	1
E	715–1–329	Pump Seal	1	P	38–311	Compression Spring	1
F	715–1–341	Poppet	1	R	45–6	O–Ring	3
G	(page 52)	Pump Piston Assembly	1	S	45–966	O–Ring	1
H	715–270–1	Pin	1	T	45–967	O–Ring	1
J	715–270–2	Pin Housing	1				

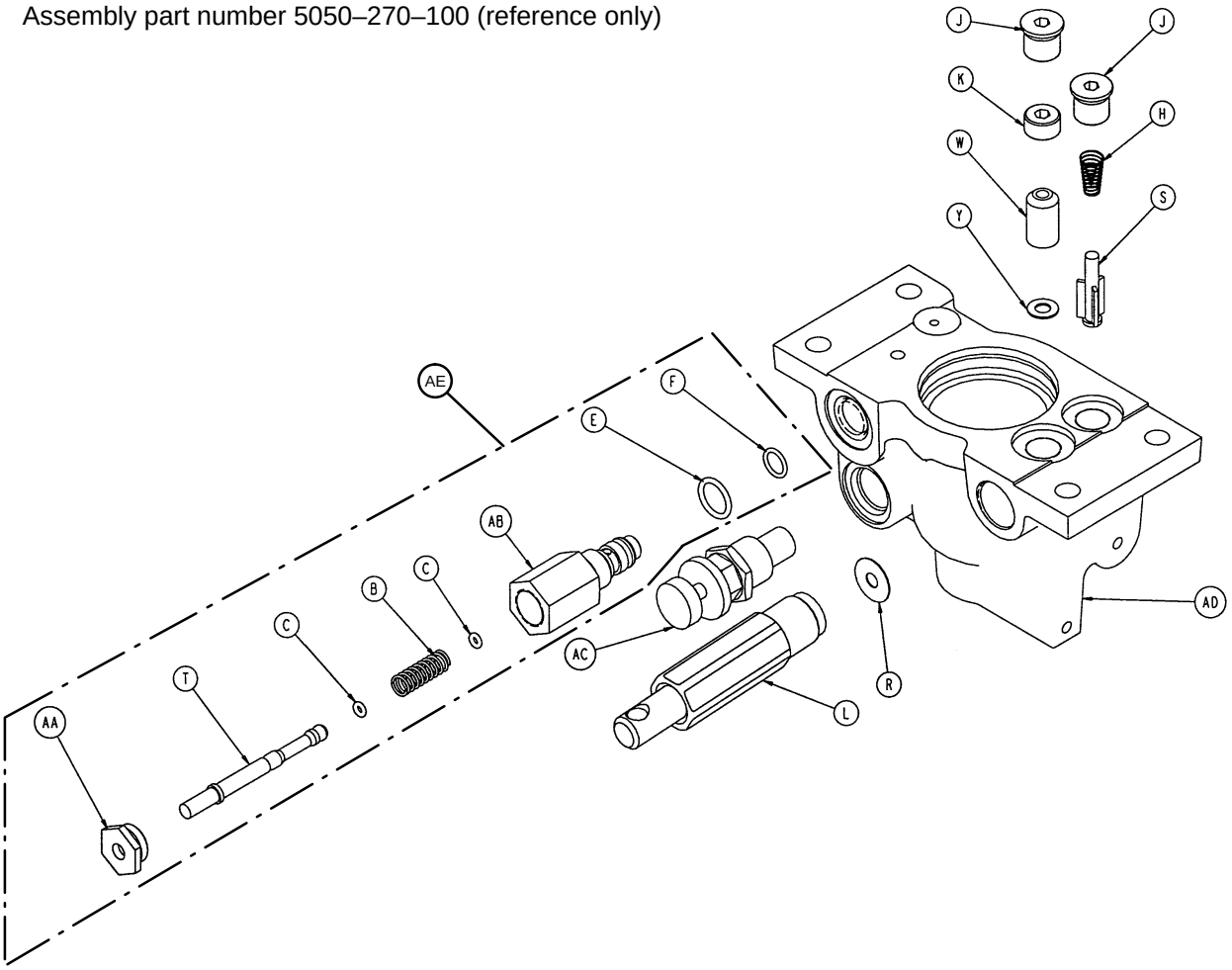
1210–70–210 Constant Flow Jack – Non–Electric Lift Base



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	388–100–38	Plug	1	M	926–20–161	Parker Packing	1
B	390–1–238	Actuator Gasket	1	N	926–20–162	Wear Ring	1
C	390–1–243	Gasket	1	P	(page 40.2)	Jack Base Ass'y	1
D	390–1–244	Base Gasket	1	R	4–14	Soc. Hd. Cap Screw	1
E	390–2–139	Retaining Ring	2	S	45–14	O–Ring	1
F	715–1–320	Jack Screen	1	T	45–110	O–Ring	1
G	715–1–323	Actuator Cylinder	1	W	45–904	O–Ring	1
H	715–1–331	Piston End	1	X	45–978	O–Ring	1
J	715–1–340	Jack Cap Assembly	1	Y	1231–70–211	Label	1
K	715–1–422	Reservoir	1	Z	921–1–252	Serial Number Label	1
L	715–1–325	Actuator Rod	1	AA	715–1–333	Rel. Rod Stop Sleeve	1

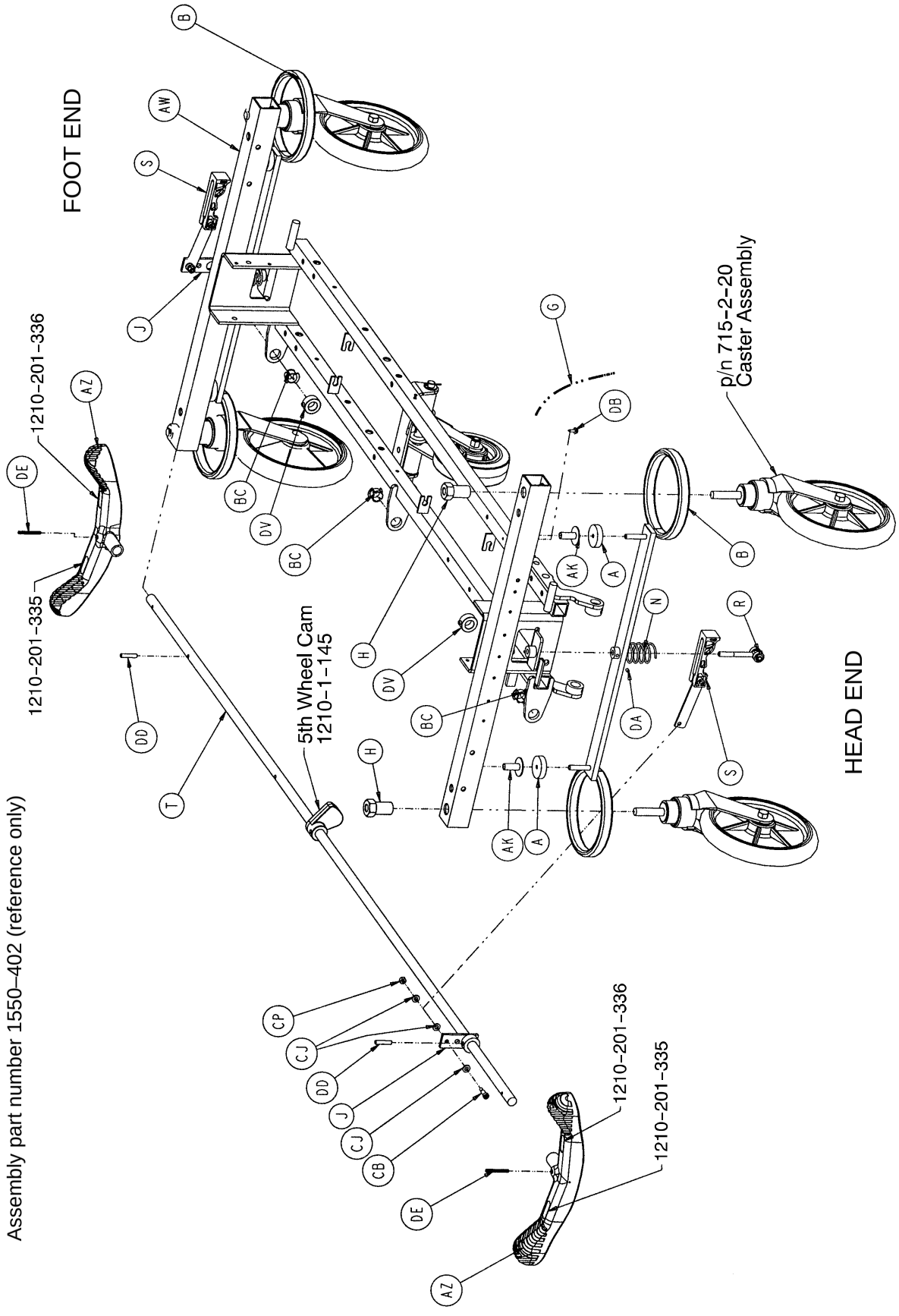
Constant Flow Jack Base Assembly

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

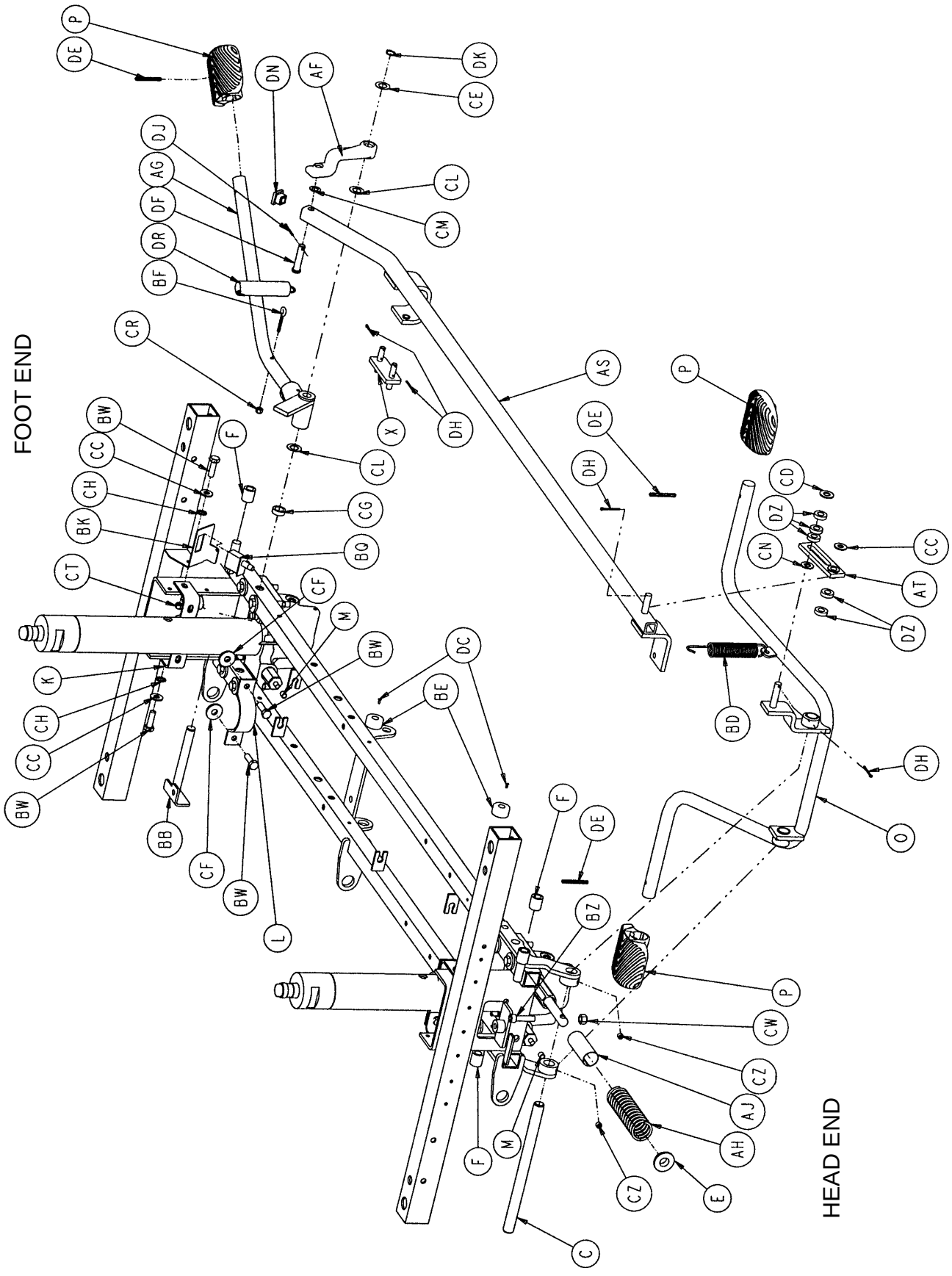


Item	Part No.	Part Name	Qty.	Item	Part No,	Part Name	Qty.
B	38–311	Compression Spring	1	S	715–1–341	Poppet	1
C	45–6	O–Ring	2	T	715–270–1	Pin	1
E	45–966	O–Ring	1	W	926–20–153	Check Valve	1
F	45–967	O–Ring	1	Y	926–20–154	Seal	1
H	390–2–134	Conical Comp. Spring	1	AA	1210–70–13	Base Plug	1
J	48–147	Base Plug	2	AB	2025–75–87	Pin Housing	1
K	715–1–309	Valve Plug	1	AC	5050–70–50	Adj. P.C. Valve Cartridge	1
L	(page 52)	Pump Piston Assembly	1	AD	5050–370–110	Jack Base	1
R	715–1–329	Pump Seal	1	AE	715–270–100	Relief Valve Assembly	1

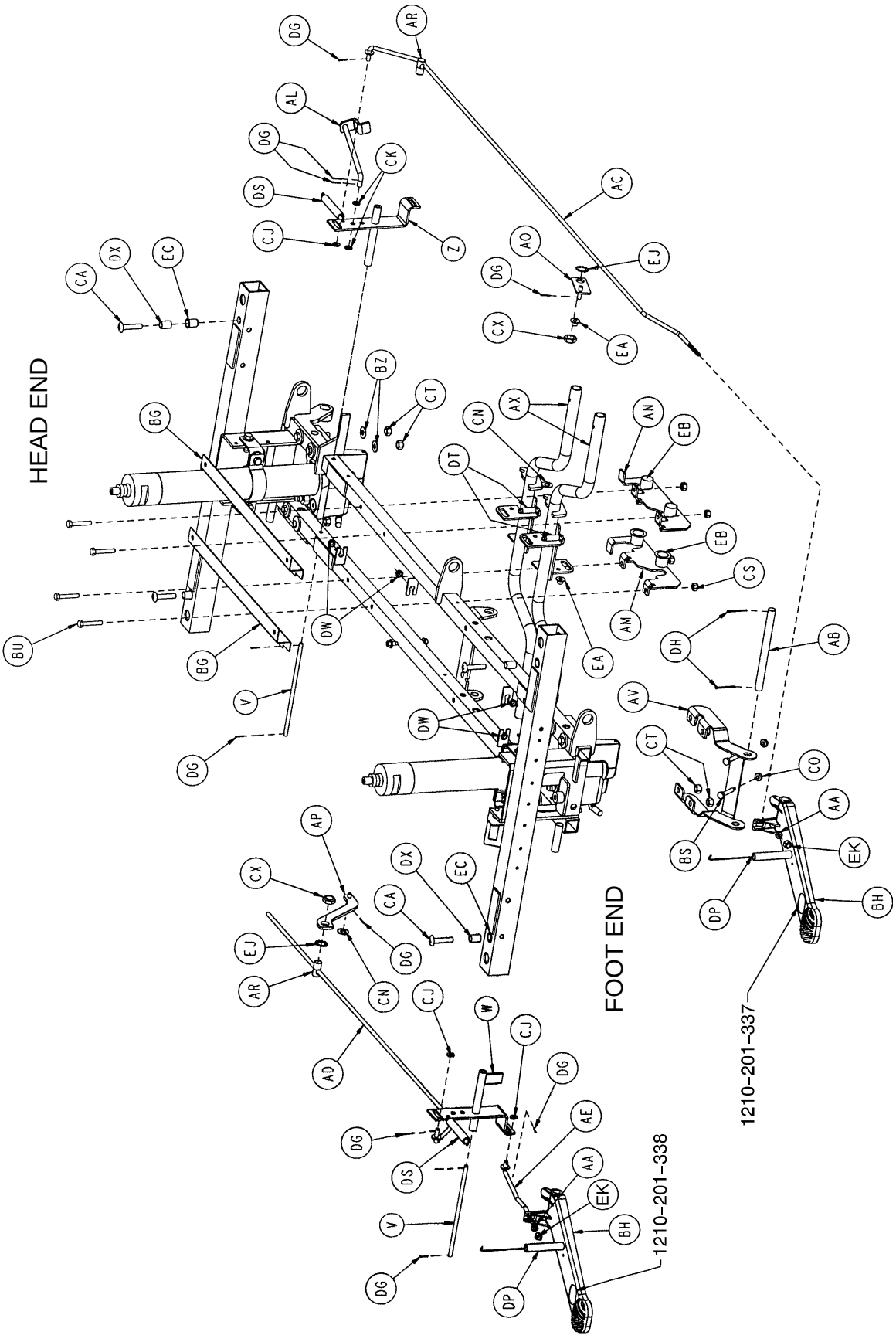
Electric Lift Base Assembly



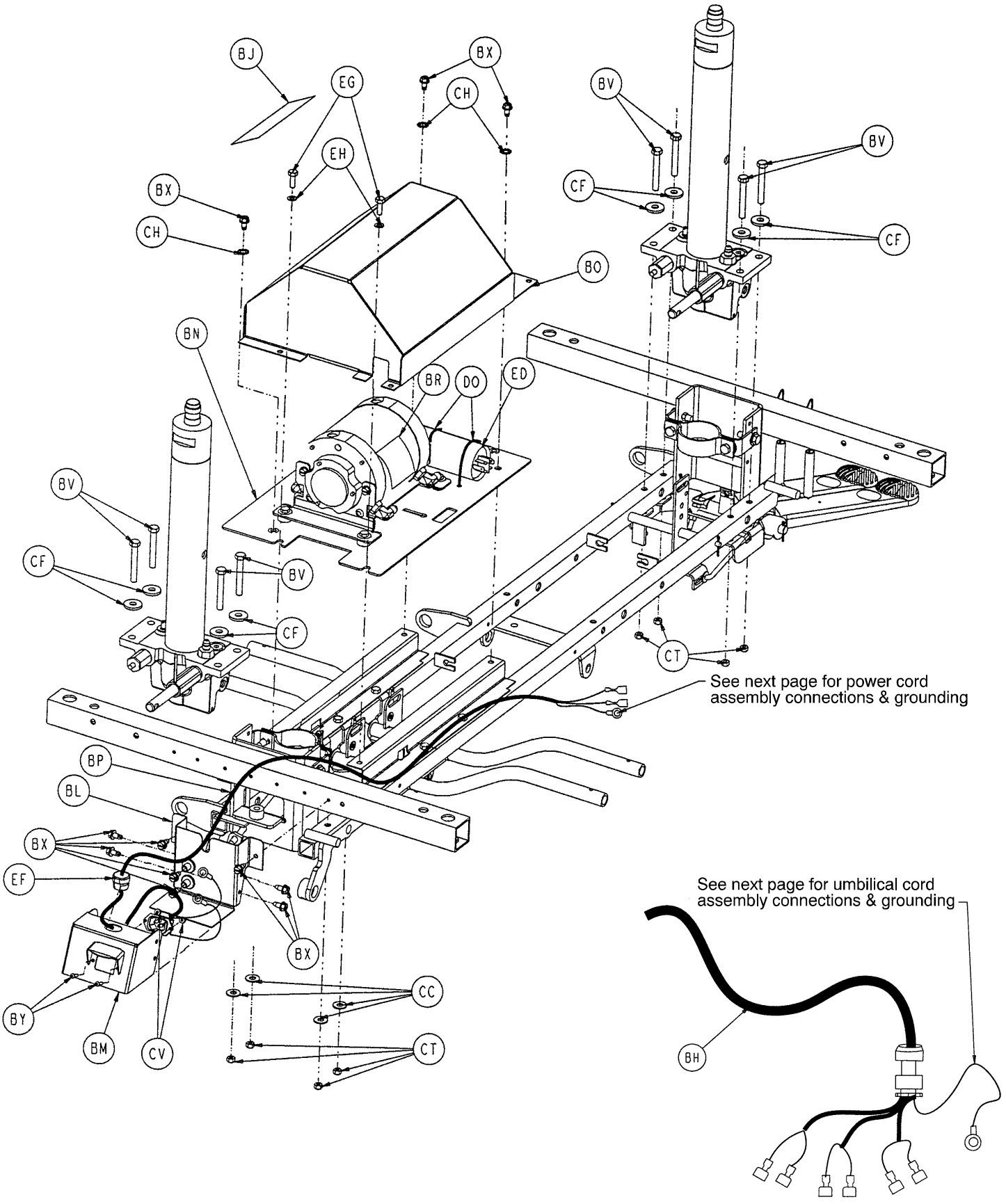
Electric Lift Base Assembly



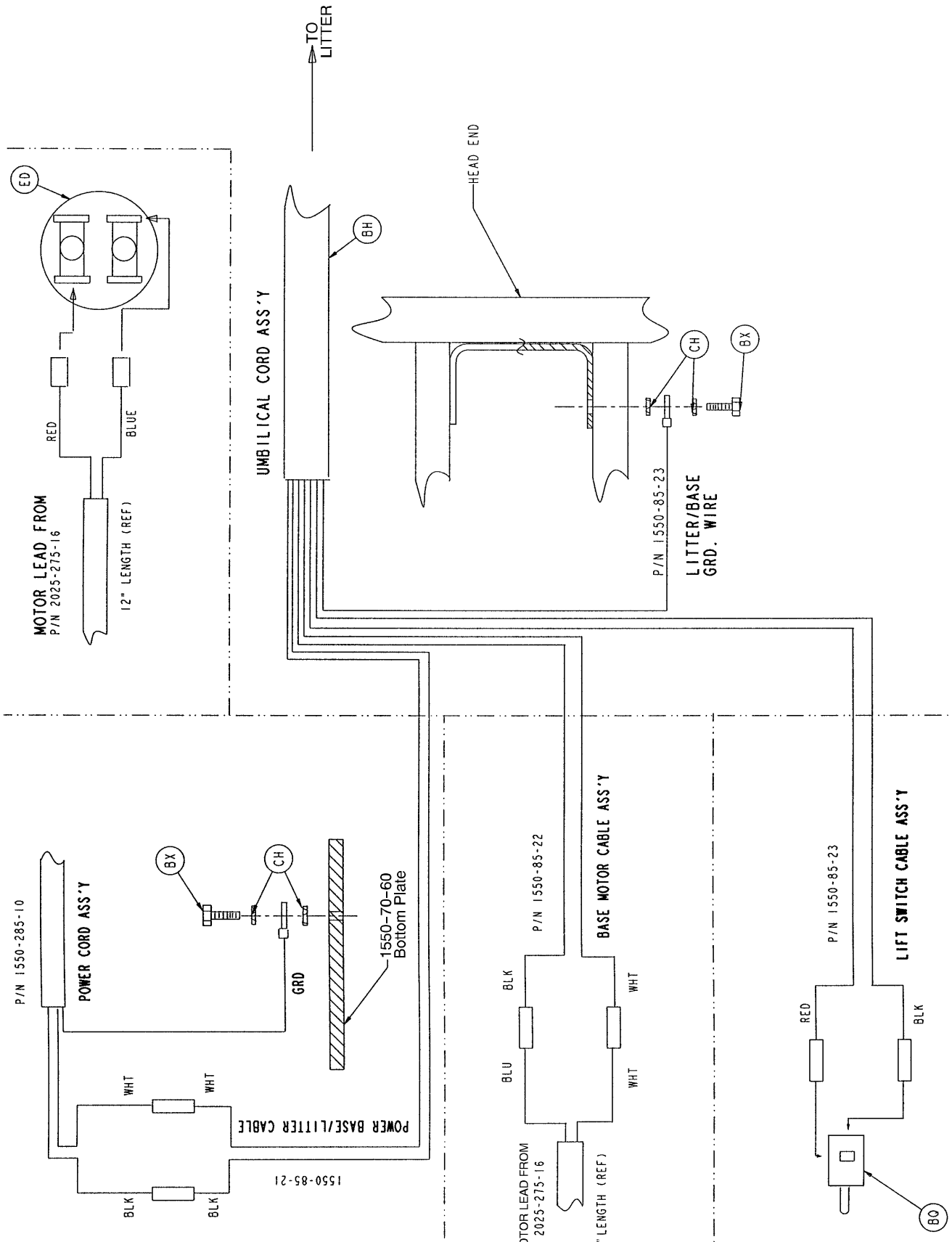
Electric Lift Base Assembly



Electric Lift Base Assembly



Electric Lift Base Assembly

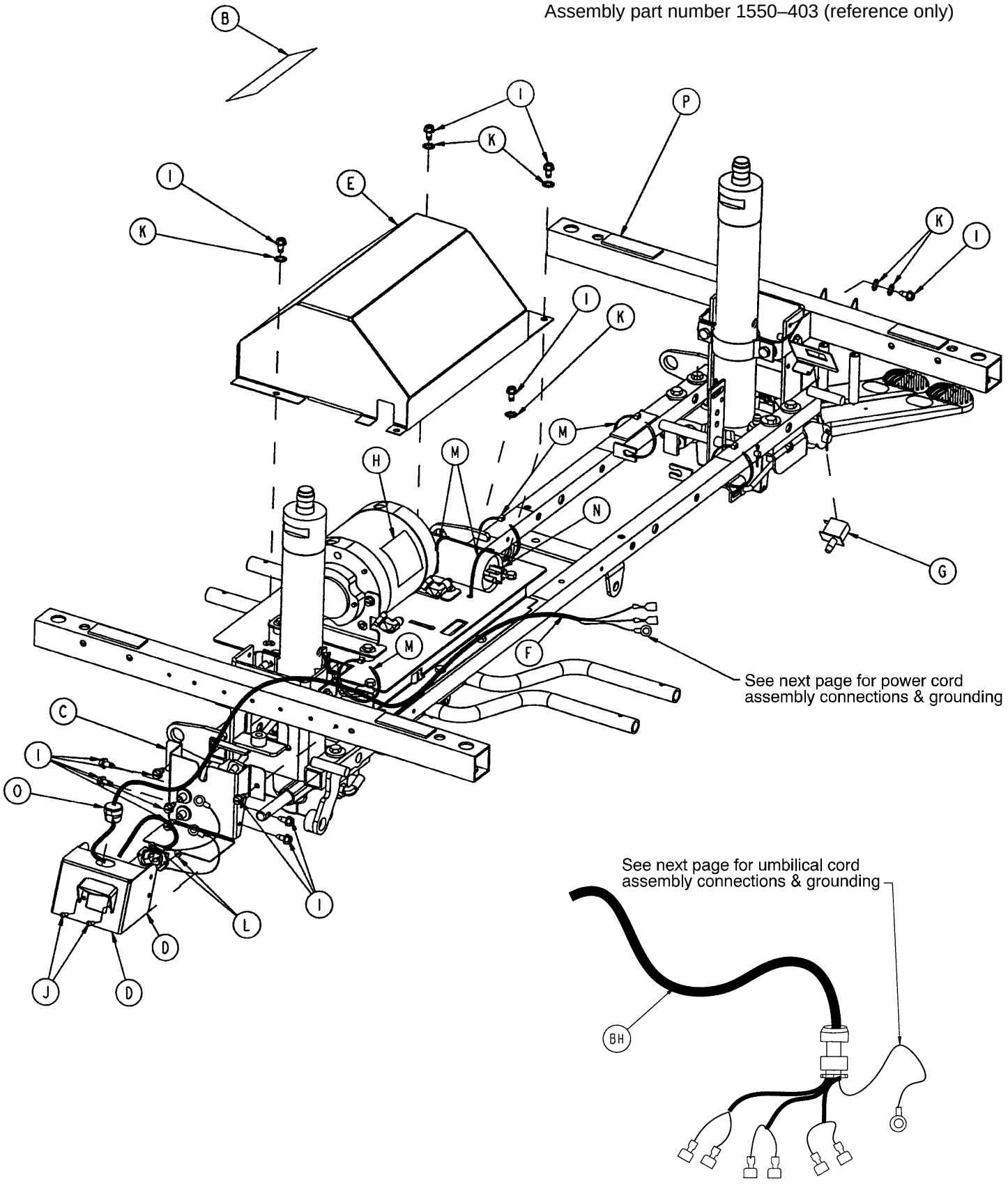


Electric Lift Base Assembly

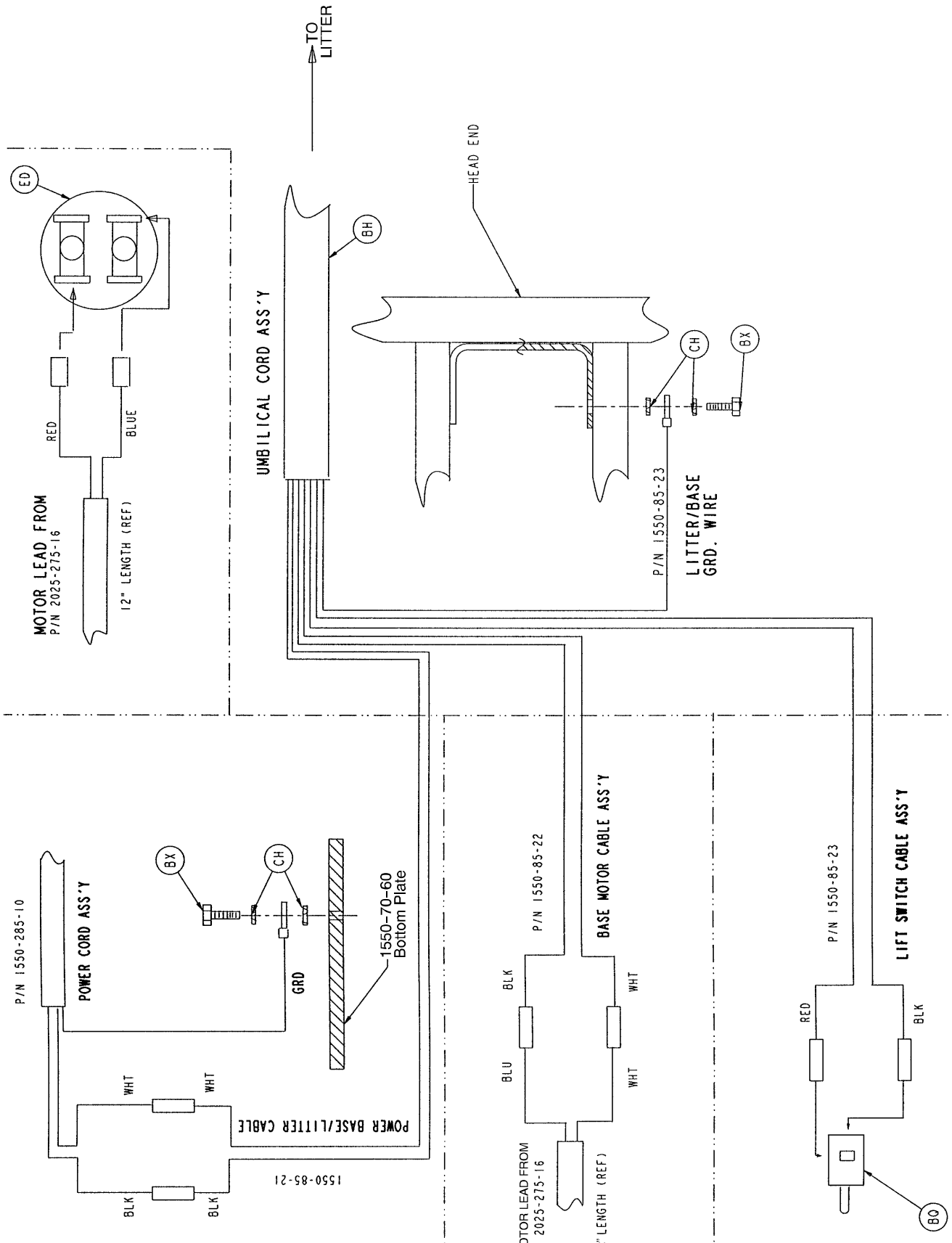
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	715–1–11	Brake Cushion	4	BR	3000–300–604	Motor Warning Label	1
B	715–1–61	Caster Brake Weldment	2	BS	3–3	Hex Cap Screw	4
C	715–1–92	Pump Pedal Shaft	1	BU	3–47	Hex Cap Screw	4
E	715–1–133	Collar	1	BV	3–62	Hex Cap Screw	8
F	715–1–140	Vinyl Tube	2	BW	3–85	Hex Cap Screw	8
G	715–1–156	Ground Chain	1	BX	3–221	Hex Washer Hd. Screw	11
H	715–1–158	Caster Nut	4	BY	4–126	Hex Soc. But. Hd. Screw	2
J	715–1–165	Actuator Plate Weldment	2	BZ	4–146	Soc. Hd. Cap Screw	2
K	715–1–192	Jack Support	2	CA	7–35	Truss Hd. Screw	4
L	715–1–193	Jack Support Clamp	2	CB	8–10	Shoulder Bolt	2
M	715–1–333	Release Rod Stop Sleeve	2	CC	11–3	Washer	9
N	715–201–94	Compression Spring	2	CD	11–4	Washer	2
O	715–201–108	Pump Pedal Assembly	1	CE	11–13	Washer	1
P	715–201–126	Slip On Pump Pedal	3	CF	11–262	Washer	11
R	(page 54)	Brake Adjuster Assembly	2	CG	11–350	Flat Washer	1
S	(page 53)	Brake Cam Assembly	2	CH	13–38	Tooth Lock Washer	4
T	715–201–230	Brake Bar	1	CJ	14–2	Washer	9
V	716–1–15	Release Pivot Bar	2	CK	14–3	Washer	2
W	716–1–52	Foot End Pivot Assembly	1	CL	14–7	Washer	7
X	716–1–102	Foot End Pump Link Wldmt.	1	CM	14–9	Washer	2
Z	716–1–119	Head End Pivot Assembly	1	CN	14–21	Washer	3
AA	716–1–286	Ball Release Spacer	2	CO	15–11	Hex Nut	2
AB	716–201–61	Release Pedal Pivot Rod	1	CP	16–2	Hex Nut	2
AC	716–201–70	Long Release Rod	1	CR	16–14	Nylock Nut	1
AD	716–201–72	Medium Release Rod	1	CS	16–28	Hex Nut	4
AE	716–201–74	Release Rod	1	CT	16–36	Hex Nut	16
AF	716–201–281	Pump Idler Link	1	CV	16–23	Hex Nut	2
AG	(page 55)	Foot End Pump Pedal	1	CW	16–48	Hex Nut	1
AH	763–1–15	Jack Spring	1	CX	16–49	Hex Nut	2
AJ	763–1–16	Spring Holder	1	CZ	21–22	Set Screw	2
AK	946–1–116	Brake Bar Bushing	4	DA	21–50	Set Screw	2
AL	1210–1–112	Release Rod, Head, Left	1	DB	23–25	Self Tapping Screw	1
AM	1210–1–115	Pedal Pivot, Right	1	DC	25–50	Rivet	2
AN	1210–1–114	Pedal Pivot, Left	1	DD	26–13	Spring Pin	2
AO	1210–1–123	Rel. Pedal Trans. Wldmt.	1	DE	26–143	Groove Pin	5
AP	1210–1–134	Rel. Pedal Linkage Wldmt.	1	DF	26–195	Clevis Pin	2
AR	1210–1–138	Release Rod Clamp	2	DG	27–4	Cotter Pin	11
AS	1210–201–28	Pump Connecting Rod	1	DH	27–3	Cotter Pin	7
AT	1210–201–104	Slip Link Assembly	1	DJ	27–16	Cotter Pin	1
AV	1210–201–111	End Release Pedal Brkt.	1	DK	28–97	External Retaining Ring	1
AW	1210–201–120	Base Frame Weldment	1	DN	37–75	Square Hole Plug	1
AX	1210–201–152	Side Release Pedal Wldmt.	2	DO	38–151	Cable Tie	8
AZ	1210–201–153	Butterfly “V” Pedal	2	DP	38–235	Descent Pedal Ret. Spring	2
BA	1210–201–155	Rel. Pedal, Ft., Lt., Offset	2	DR	38–251	Pump Return Spring	1
BB	1210–201–201	Pivot Pin Brkt. Wldmt., Ft.	1	DS	38–326	Extension Spring	2
BC	1210–201–251	Insert	3	DT	38–355	Extension Spring	2
BD	1210–201–252	Spring	1	DV	42–20	Collar	2
BE	1210–201–550	Wear Plate	2	DW	52–245	Nyliner	4
BF	1210–201–551	Eyebolt	1	DX	52–263	Tubular Spacer	4
BG	1550–70–65	Motor Support	2	DZ	52–284	Spacer	5
BH	1550–85–20	Umbilical Cord w/Lift Option	1	EA	52–302	Flange Bearing	2
BJ	1550–90–13	Elect. Shock Caution Label	1	EB	52–747	Flange Bearing	4
BK	1550–201–60	Switch Bracket	1	EC	55–18	Threaded Insert	4
BL	1550–201–101	Socket Box Bracket	1	ED	59–140	Capacitor	1
BM	1550–201–102	Socket Box Cover	1	EF	30–27	Strain Relief Grommet	1
BN	(page 48 & 49)	Jack Pump/Motor Ass’y	1	EG	3–50	Hex Hd. Cap Screw	2
BO	1550–375–89	Pump/Motor Top Cover	1	EH	11–64	Washer	2
BP	1550–385–10	Wire Harness w/Socket	1	EJ	8815–005–800	Ext. Tooth Lock Washer	2
BQ	3000–300–58	Lift Switch	1	EK	16–102	Fiberlock Nut	2

Constant Descent Electric Lift Base Assembly

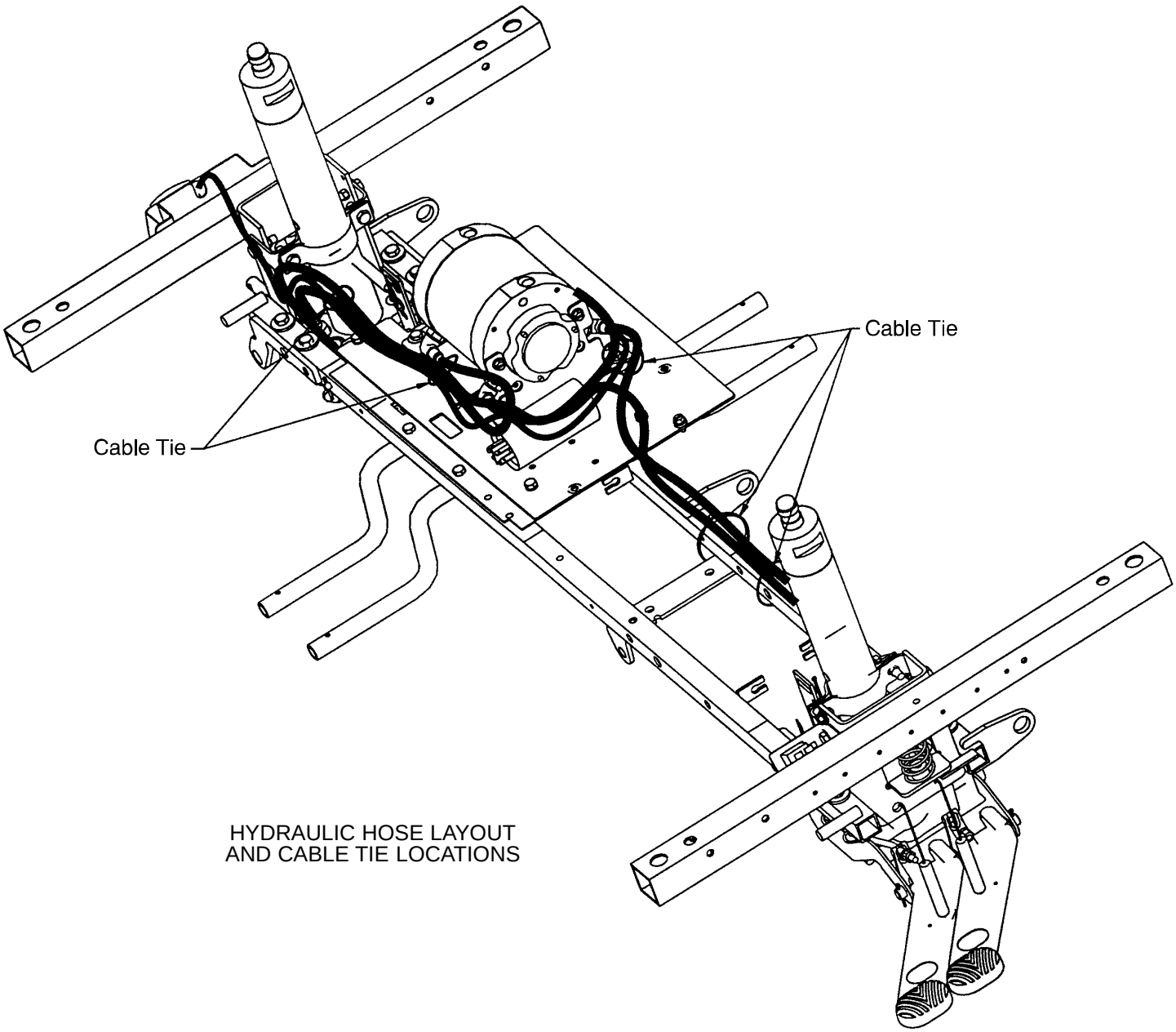
Assembly part number 1550–403 (reference only)



Constant Descent Electric Lift Base Assembly



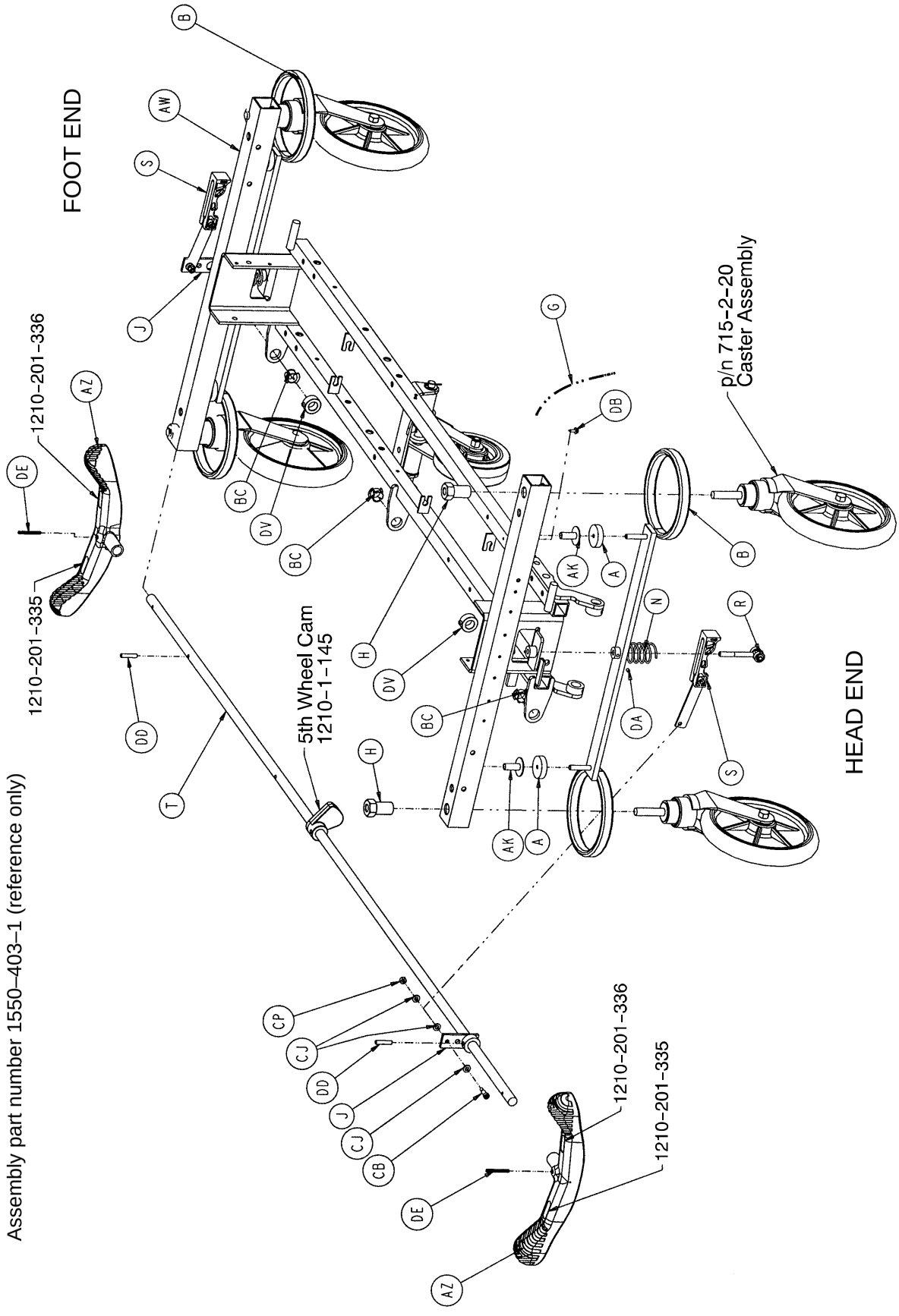
Constant Descent Electric Lift Base Assembly



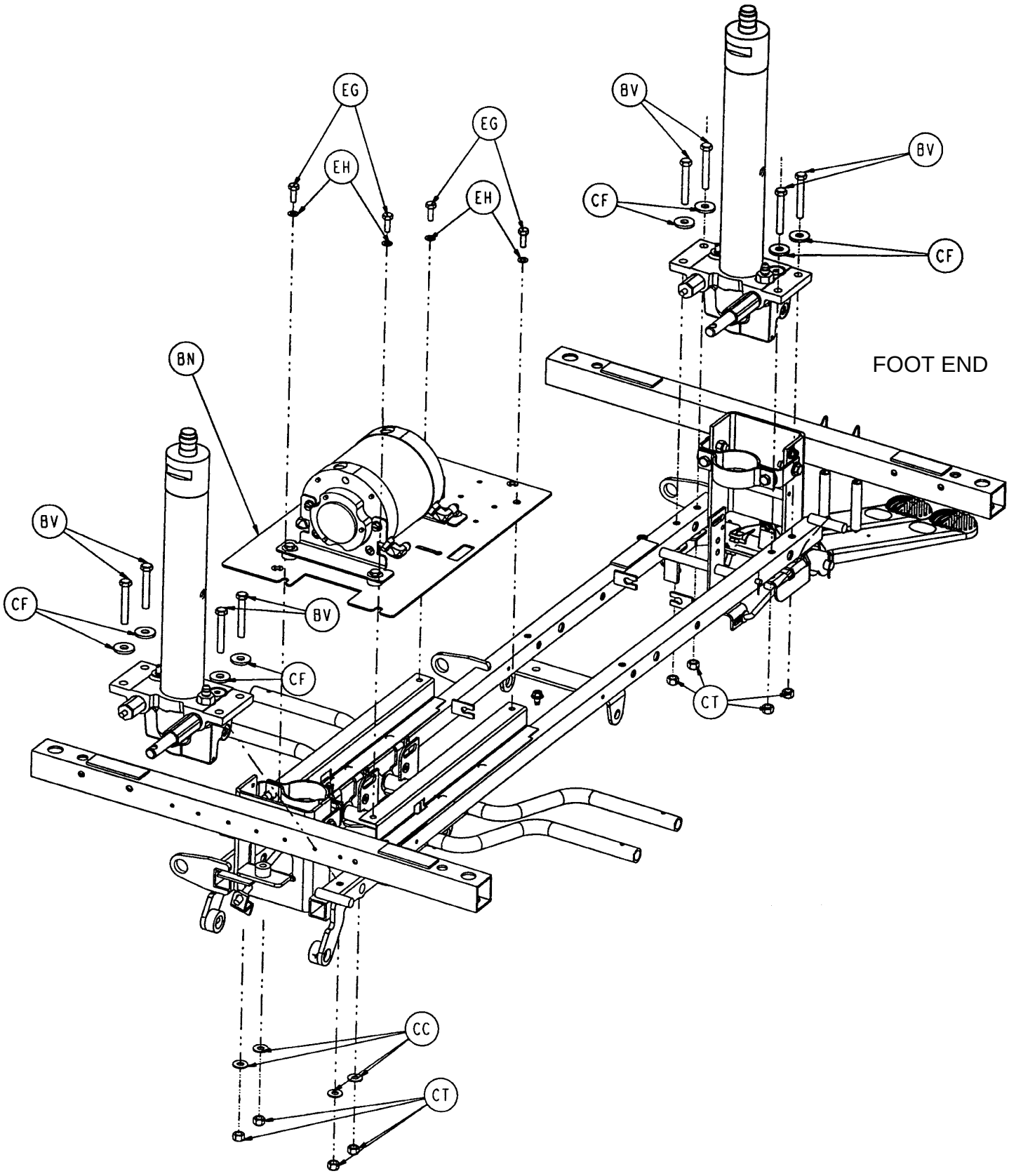
HYDRAULIC HOSE LAYOUT
AND CABLE TIE LOCATIONS

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550–85–20	Umbilical Cord w/Lift Option	1	I	3–221	Hex Washer Hd. Screw	14
B	1550–90–13	Elect. Shock Caution Label	1	J	4–126	Hex Soc. But. Hd. Screw	2
C	1550–201–101	Socket Box Bracket	1	K	13–38	Tooth Lock Washer	6
D	1550–201–102	Socket Box Cover	1	L	16–23	Nylock Nut	2
E	1550–375–89	Pump/Motor Top Cover	1	M	38–151	Cable Tie	7
F	1550–385–10	Wire Harness w/Socket	1	N	59–140	Capacitor	1
G	3000–300–58	Lift Switch	1	O	30–27	Strain Relief Grommet	1
H	3000–300–604	Motor Warning Label	1	P	(page 46.4–46.8)	Base Assembly	1

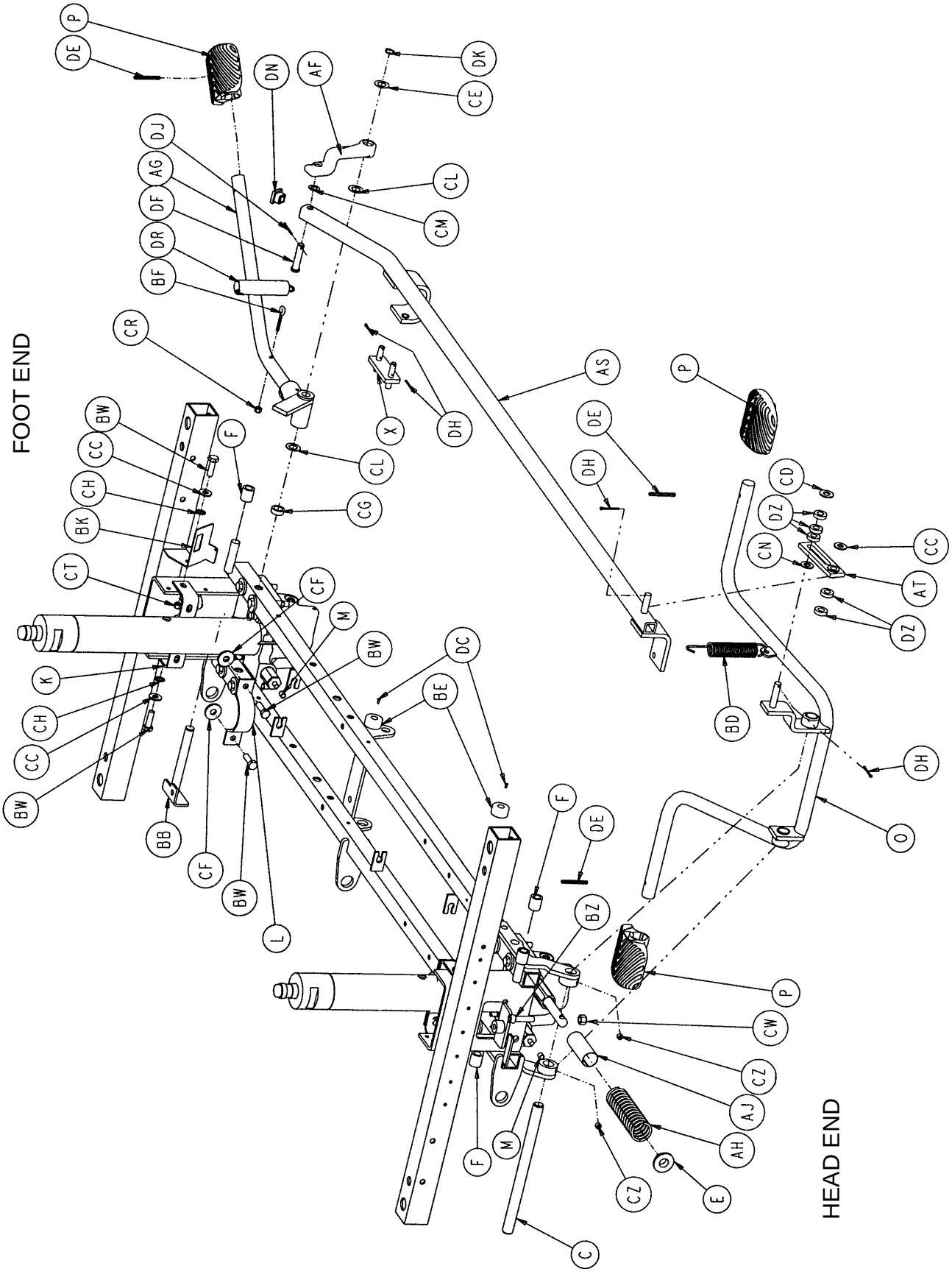
Constant Descent Electric Lift Base Assembly



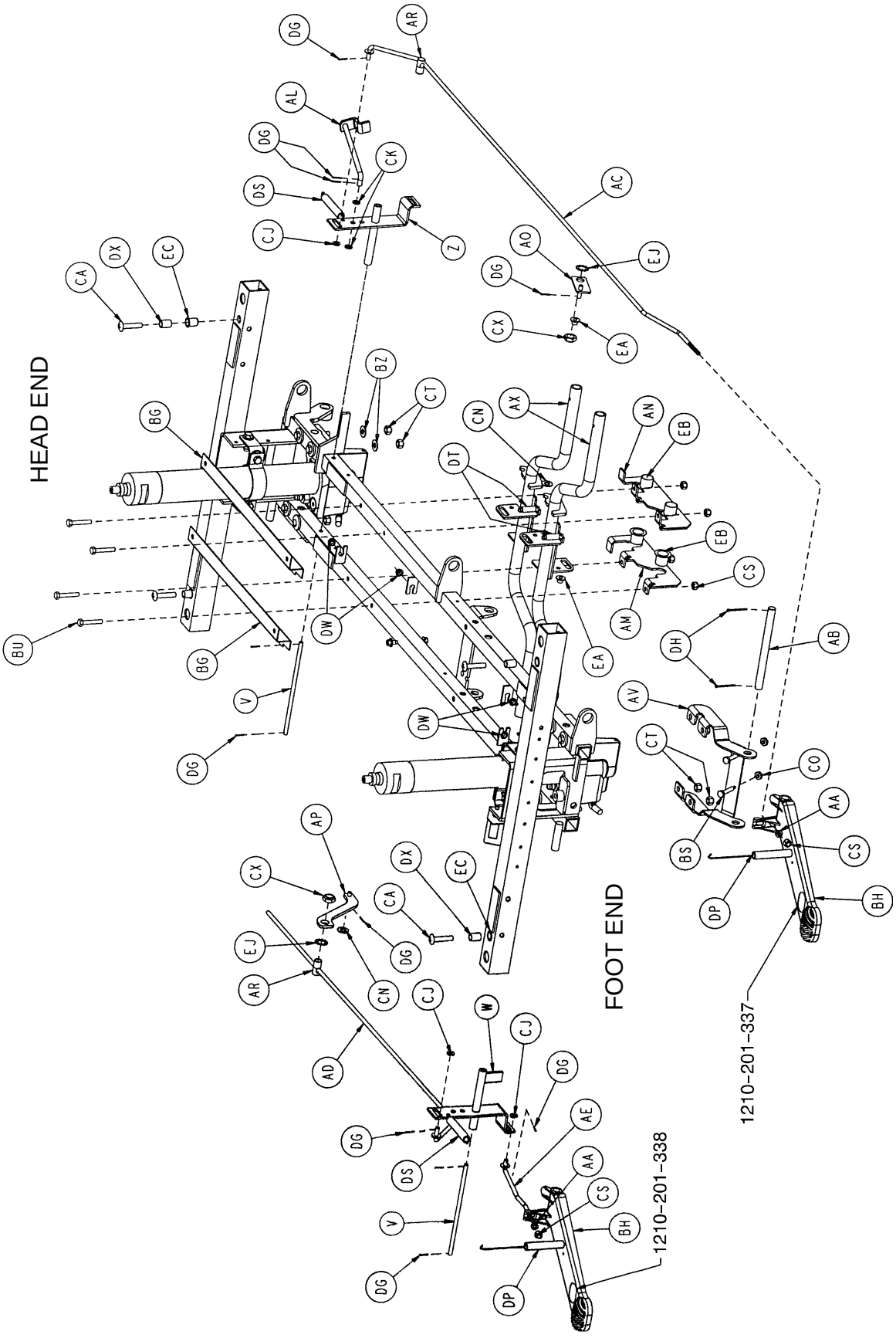
Constant Descent Electric Lift Base Assembly



Constant Descent Electric Lift Base Assembly



Constant Descent Electric Lift Base Assembly

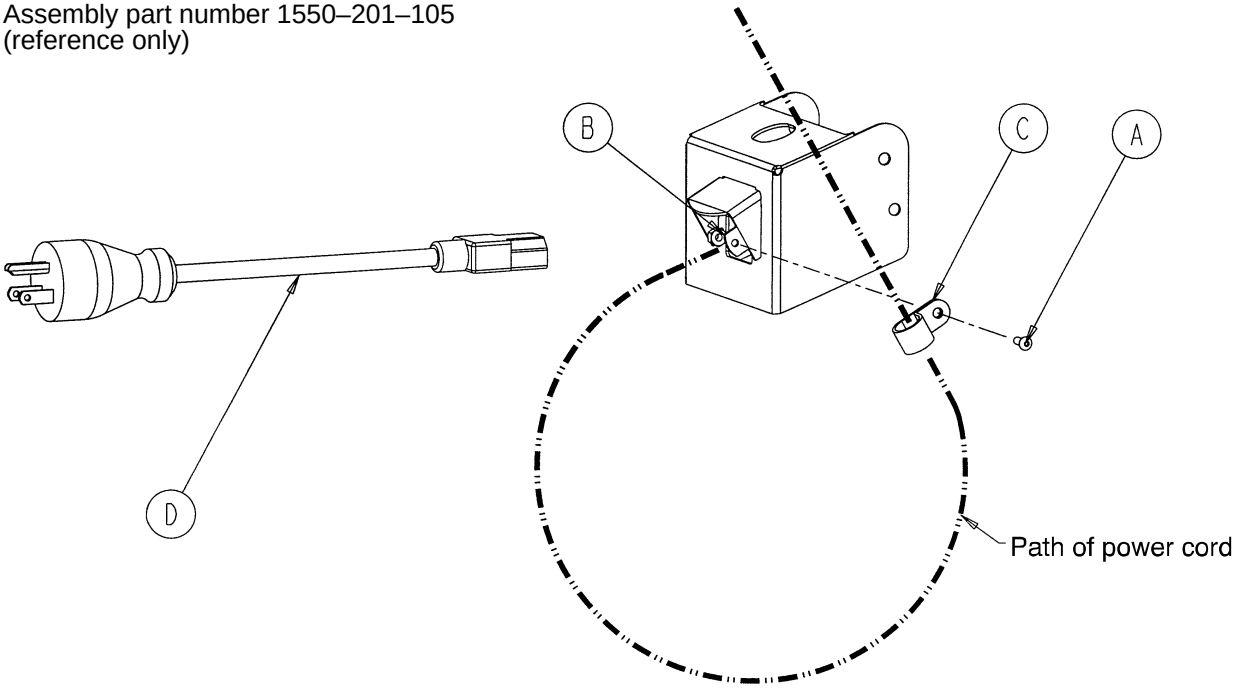


Constant Descent Electric Lift Base Assembly

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	715–1–11	Brake Cushion	4	BS	3–3	Hex Cap Screw	4
B	715–1–61	Caster Brake Weldment	2	BT	3–20	Hex Cap Screw	2
C	715–1–92	Pump Pedal Shaft	1	BU	3–47	Hex Cap Screw	4
E	715–1–133	Collar	1	BV	3–62	Hex Cap Screw	8
F	715–1–140	Vinyl Tube	2	BW	3–85	Hex Cap Screw	8
G	715–1–156	Ground Chain	1	BZ	4–146	Soc. Hd. Cap Screw	2
H	715–1–158	Caster Nut	4	CA	7–35	Truss Hd. Screw	4
J	715–1–165	Actuator Plate Weldment	2	CB	8–17	Shoulder Bolt	2
K	715–1–192	Jack Support	2	CC	11–3	Washer	9
L	715–1–193	Jack Support Clamp	2	CD	11–4	Washer	2
M	715–1–333	Release Rod Stop Sleeve	2	CE	11–13	Washer	1
N	715–201–94	Compression Spring	2	CF	11–262	Washer	11
O	715–201–108	Pump Pedal Assembly	1	CG	11–350	Flat Washer	1
P	715–201–126	Slip On Pump Pedal	3	CJ	14–2	Washer	9
R	(page 54)	Brake Adjuster Assembly	2	CK	14–3	Washer	2
S	(page 53)	Brake Cam Assembly	2	CL	14–7	Washer	7
T	715–201–230	Brake Bar	1	CM	14–9	Washer	2
V	716–1–15	Release Pivot Bar	2	CN	14–21	Washer	3
W	716–1–52	Foot End Pivot Assembly	1	CO	15–11	Hex Nut	2
X	716–1–102	Foot End Pump Link Wldmt.	1	CP	16–2	Hex Nut	2
Z	716–1–119	Head End Pivot Assembly	1	CR	16–14	Nylock Nut	1
AA	716–1–286	Ball Release Spacer	2	CS	16–28	Hex Nut	9
AB	716–201–61	Release Pedal Pivot Rod	1	CT	16–36	Hex Nut	16
AC	716–201–70	Long Release Rod	1	CW	16–48	Hex Nut	1
AD	716–201–72	Medium Release Rod	1	CX	16–49	Hex Nut	2
AE	716–201–74	Release Rod	1	CZ	21–22	Set Screw	2
AF	716–201–281	Pump Idler Link	1	DA	21–50	Set Screw	2
AG	(page 55)	Foot End Pump Pedal	1	DB	23–25	Self Tapping Screw	1
AH	763–1–15	Jack Spring	1	DC	25–50	Rivet	2
AJ	763–1–16	Spring Holder	1	DD	26–13	Spring Pin	2
AK	946–1–116	Brake Bar Bushing	4	DE	26–143	Groove Pin	5
AL	1210–1–112	Release Rod, Head, Left	1	DF	26–195	Clevis Pin	2
AM	1210–1–115	Pedal Pivot, Right	1	DG	27–4	Cotter Pin	11
AN	1210–1–114	Pedal Pivot, Left	1	DH	27–3	Cotter Pin	7
AO	1210–1–123	Rel. Pedal Trans. Wldmt.	1	DJ	27–16	Cotter Pin	1
AP	1210–1–134	Rel. Pedal Linkage Wldmt.	1	DK	28–97	External Retaining Ring	1
AR	1210–1–138	Release Rod Clamp	2	DN	37–75	Square Hole Plug	1
AS	1210–201–28	Pump Connecting Rod	1	DP	38–235	Descent Pedal Ret. Spring	2
AT	1210–201–104	Slip Link Assembly	1	DR	38–251	Pump Return Spring	1
AV	1210–201–111	End Release Pedal Brkt.	1	DS	38–326	Extension Spring	2
AW	1210–201–120	Base Frame Weldment	1	DT	38–355	Extension Spring	2
AX	1210–201–152	Side Release Pedal Wldmt.	2	DV	42–20	Collar	2
AZ	1210–201–153	Butterfly “V” Pedal	2	DW	52–245	Nyliner	4
BA	1210–201–155	Rel. Pedal, Ft., Lt., Offset	2	DX	52–263	Tubular Spacer	4
BB	1210–201–201	Pivot Pin Brkt. Wldmt., Ft.	1	DZ	52–284	Spacer	5
BC	1210–201–251	Insert	3	EA	52–302	Flange Bearing	2
BD	1210–201–252	Spring	1	EB	52–747	Flange Bearing	4
BE	1210–201–550	Wear Plate	2	EC	55–18	Threaded Insert	4
BF	1210–201–551	Eyebolt	1	EG	3–50	Hex Hd. Cap Screw	4
BG	1550–70–65	Motor Support	2	EH	11–64	Washer	4
BK	1550–201–60	Switch Bracket	1	EJ	8815–005–800	Ext. Tooth Lock Washer	2
BN	(page 48 & 49)	Jack Pump/Motor Ass’y	1				

Power Cord Assembly

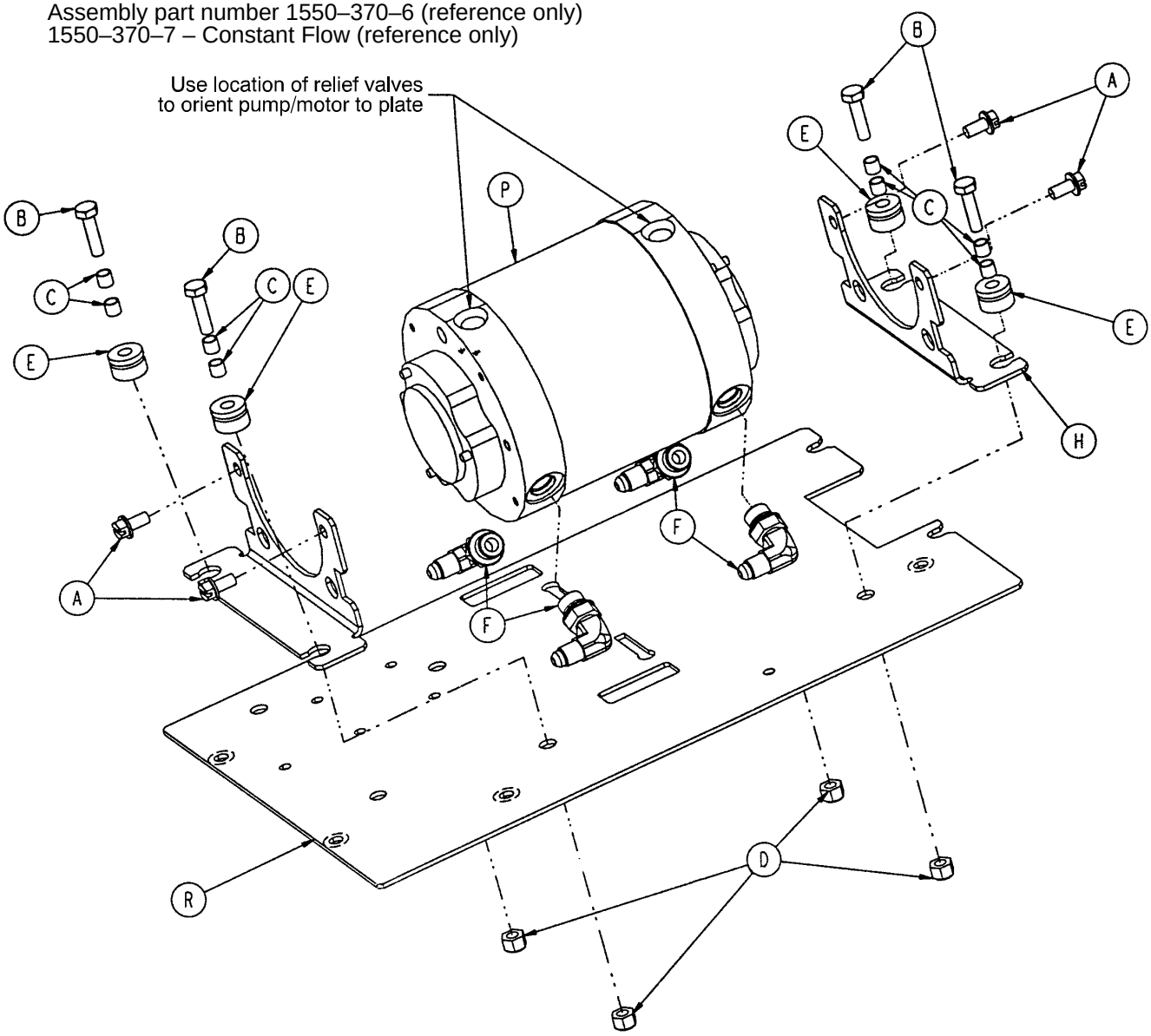
Assembly part number 1550–201–105
(reference only)



Item	Part No.	Part Name	Qty.
A	4–167	But. Hd. Cap Screw	1
B	16–23	Nylock Nut	1
C	34–22	P–Clamp	1
D	39–254	Power Cord	1

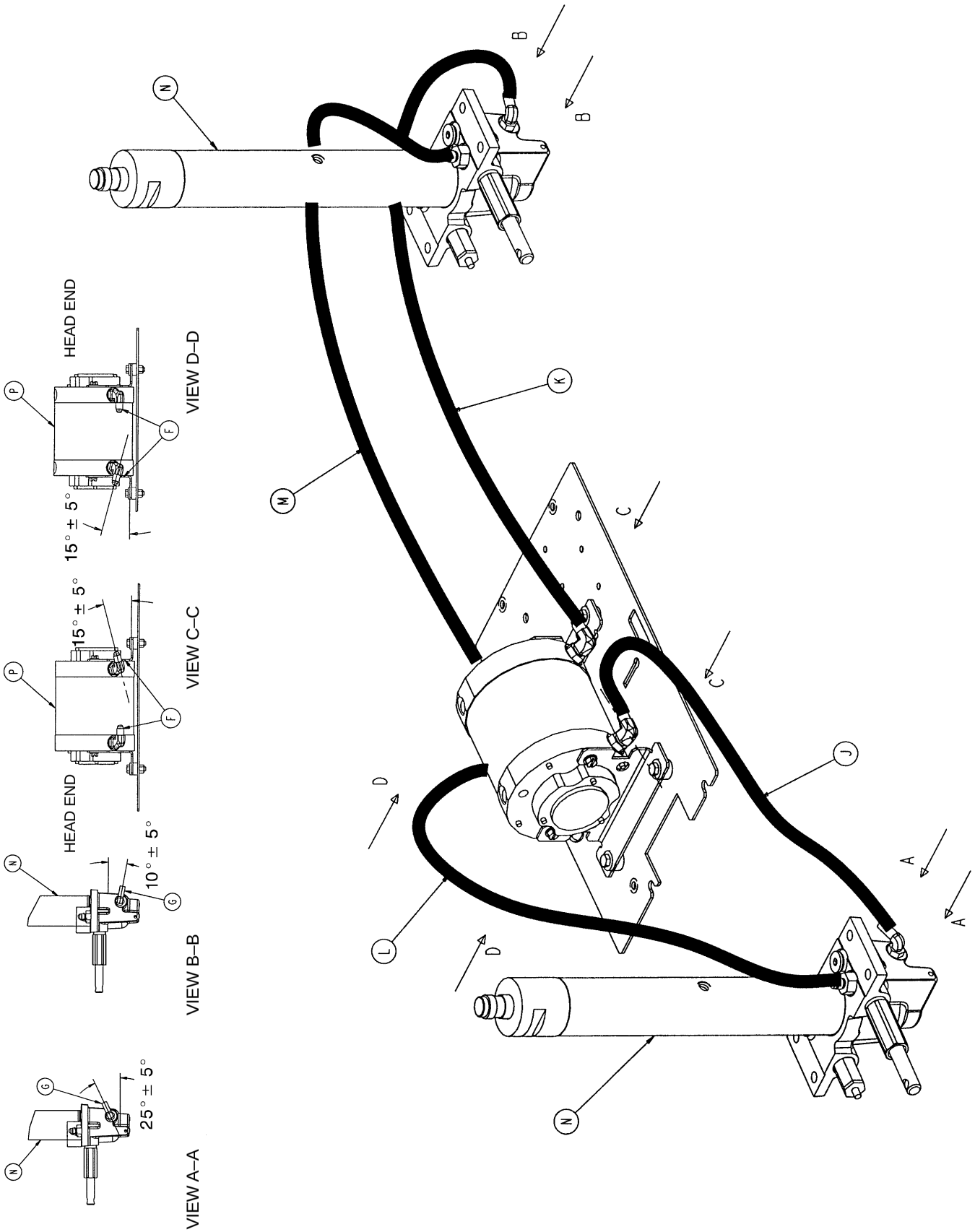
Jack Pump/Motor Assembly

Assembly part number 1550–370–6 (reference only)
1550–370–7 – Constant Flow (reference only)

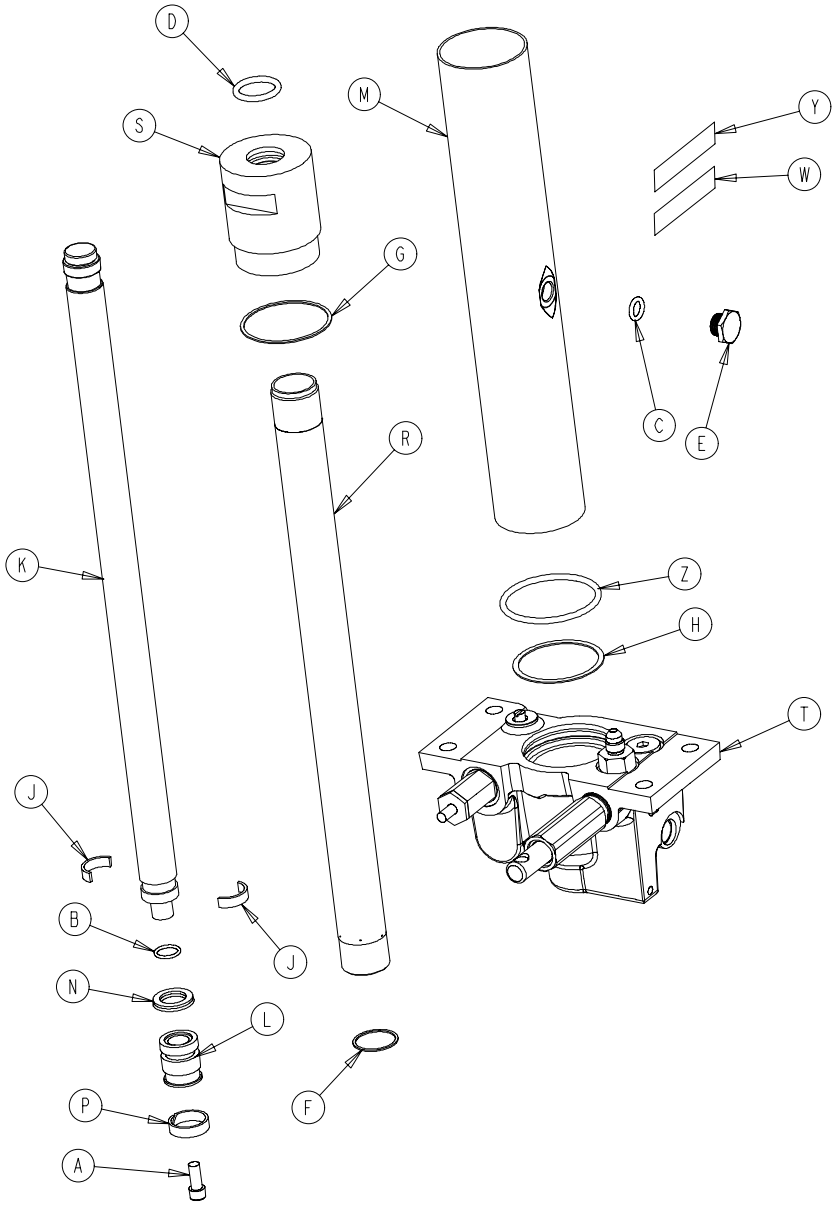


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	3–121	Hex Washer Hd. Screw	4	J	1550–71–8	Short Return Line	1
B	3–3	Hex Hd. Cap Screw	4	K	1550–271–2	Long Return Line	1
C	715–1–333	Rel. Valve Stop Sleeve	8	L	1550–71–7	Short Pressure Line	1
D	16–28	Nylock Nut	4	M	1550–71–1	Long Pressure Line	1
E	30–40	E–A–R Grommet	4	N	(page 50)	Jack Assembly	2
F	48–144	90° Elbow O–Ring Fitting	4		(page 51.1)	Constant Flow Jack Ass'y	2
G	48–146	90° Elbow O–Ring Fitting	2	P	2025–275–16	Pump Motor	1
H	2025–75–84	Pump Motor Mtg. Bracket	2	R	1550–70–60	Bottom Plate	1

Jack Pump/Motor Assembly



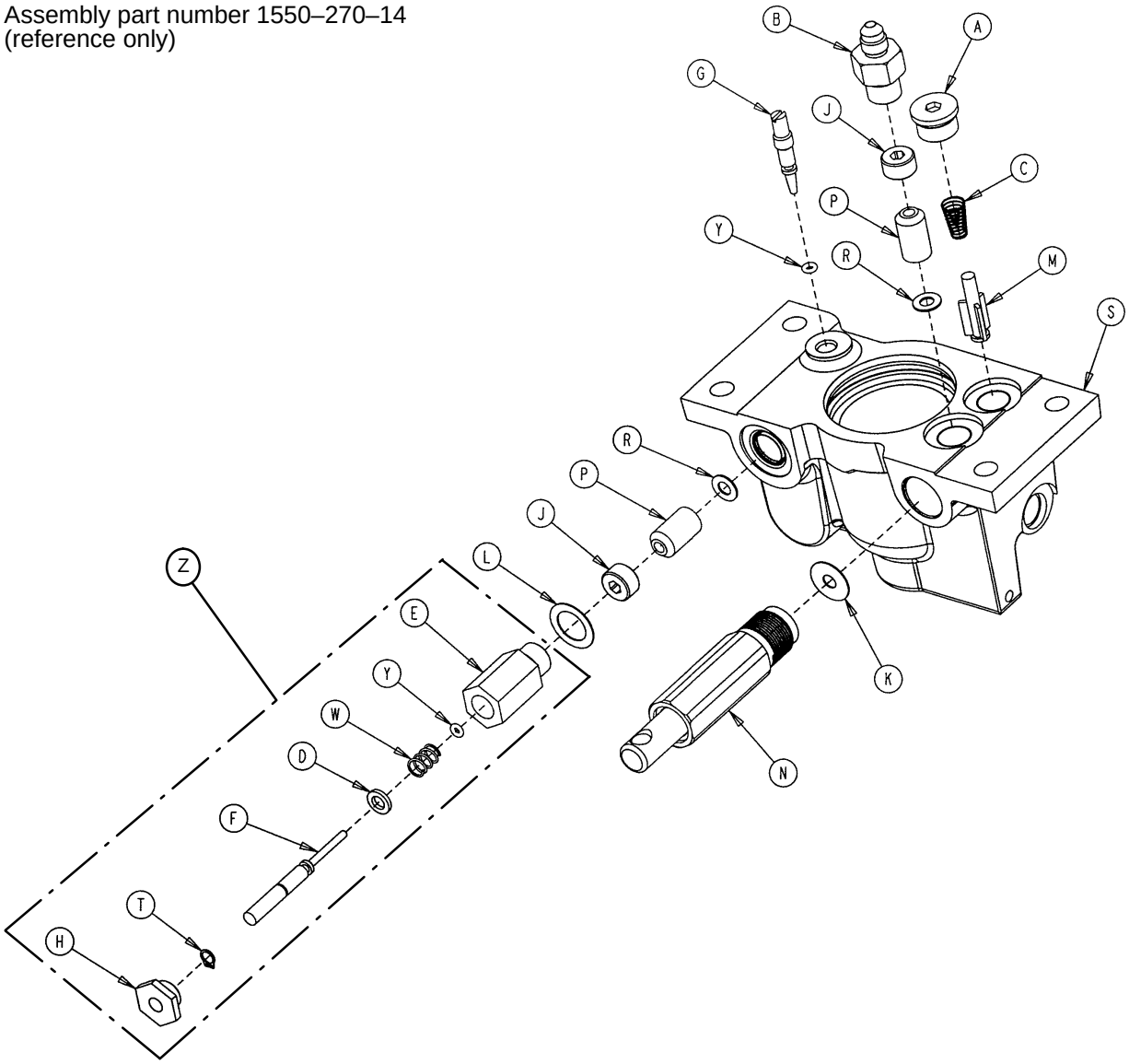
1550–270–15 Jack Assembly, Electric Lift Base



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	4–14	Soc. Hd. Cap Screw	1	L	715–1–331	Piston End	1
B	45–14	O–Ring	1	M	715–1–422	Reservoir	1
C	45–110	O–Ring	1	N	926–20–161	Parker Packing	1
D	45–904	Quad Ring	1	P	926–20–162	Wear Ring	1
E	388–100–38	Plug	1	R	1550–70–4	Actuator Cylinder	1
F	390–1–238	Actuator Gasket	1	S	1550–70–6	Cap Assembly	1
G	390–1–243	Gasket	1	T	(page 51)	Jack Base Assembly	1
H	390–1–244	Gasket	1	U	1550–90–110	Label	1
J	390–2–139	Retaining Collar	2	V	921–1–252	Serial Number Label	1
K	715–101–325	Actuator	1	W	45–978	O–Ring	1
				Z	715–100–325	Repl. Pump Piston Ass'y	1

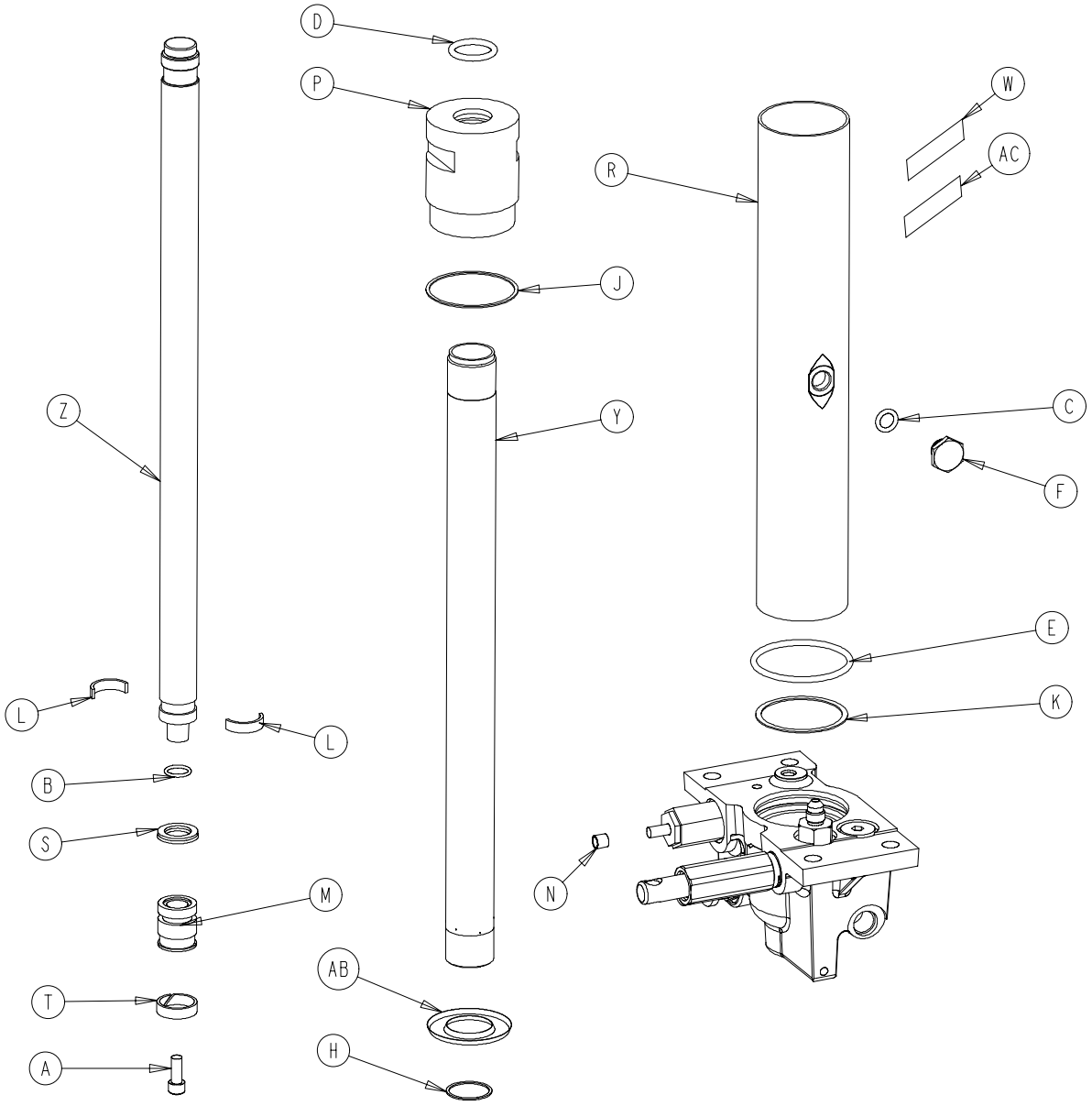
Electric Lift Jack Base Assembly

Assembly part number 1550–270–14
(reference only)



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	48–147	Hex Hd. O–Ring Plug	1	L	715–1–330	Housing Gasket	1
B	48–150	Check Valve	1	M	715–1–341	Poppet	1
C	390–2–134	Compression Spring	1	N	(page 52)	Pump Piston Ass'y	1
D	390–2–176	Washer	1	P	926–20–153	Check Valve	2
E	715–1–305	Pin Housing	1	R	926–20–154	Seal	2
F	715–1–306	Pin	1	S	1550–70–121	Jack Base, Machined	1
G	715–1–307	Needle Valve	1	T	28–8	Snap Ring	1
H	715–1–308	Base Plug	1	W	38–231	Compression Spring	1
J	715–1–309	Valve Plug	2	Y	45–6	O–Ring	2
K	715–1–329	Pump Seal	1	Z	715–100–312	Valve Assembly	1

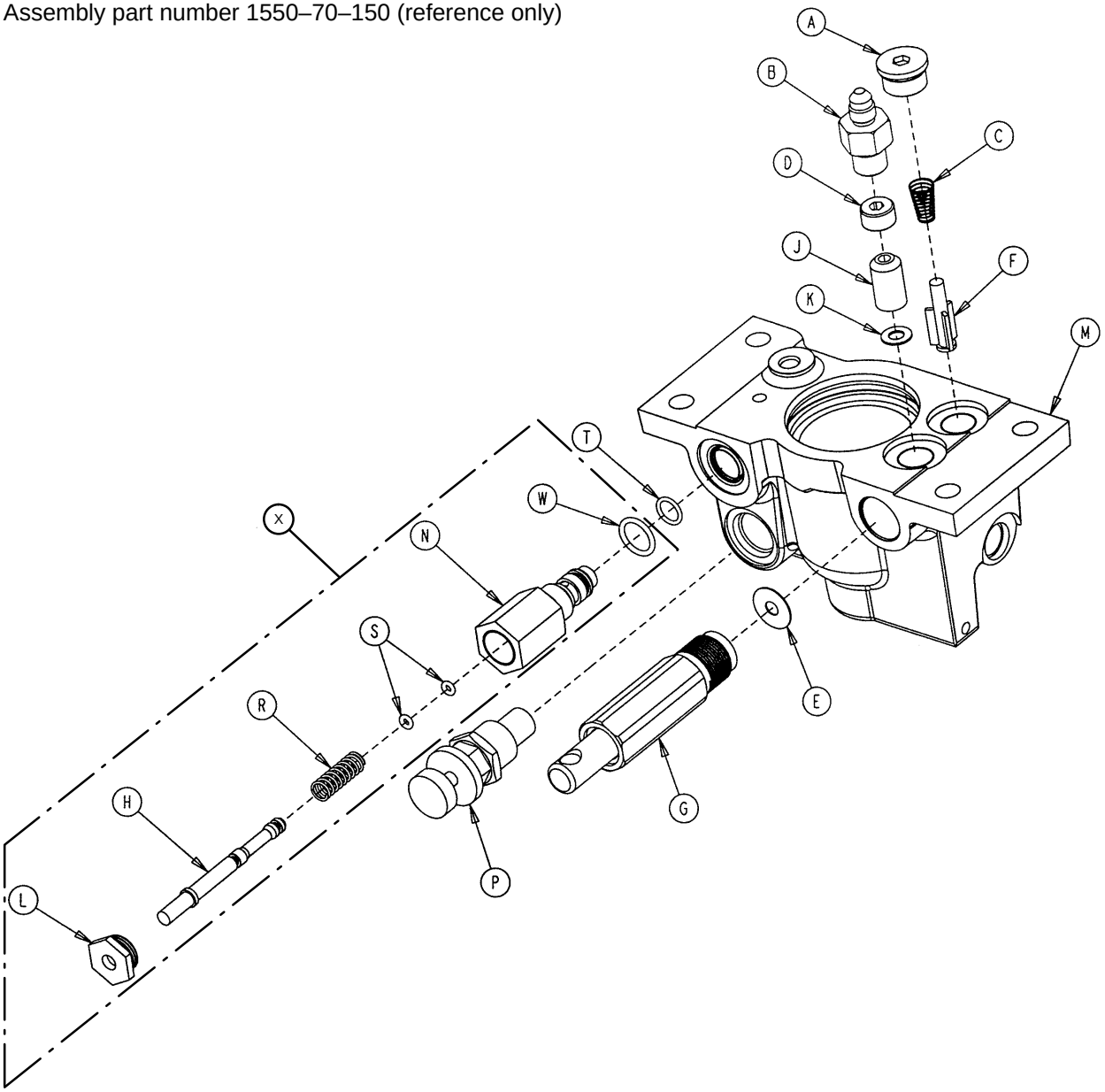
1550–270–210 Constant Flow Jack – Electric Lift Base



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	4–14	Soc. Hd. Cap Screw	1	N	715–1–333	Rel. Rod Stop Sleeve	1
B	45–14	O–Ring	1	P	1550–70–6	Jack Cap Assembly	1
C	45–110	O–Ring	1	R	715–1–422	Reservoir	1
D	45–904	O–Ring	1	S	926–20–161	Parker Packing	1
E	45–978	O–Ring	1	T	926–20–162	Wear Ring	1
F	388–100–38	Plug	1	W	1550–90–111	Label	1
H	390–1–238	Actuator Gasket	1	Y	1550–70–4	Actuator Cylinder	1
J	390–1–243	Gasket	1	Z	715–101–325	Actuator	1
K	390–1–244	Base Gasket	1	AA	(page 51.2)	Jack Base Ass'y	1
L	390–2–139	Retaining Ring	2	AB	715–1–320	Jack Screen	1
M	715–1–331	Piston End	1	AC	921–1–252	Serial Number Label	1

Constant Flow Jack Base Assembly

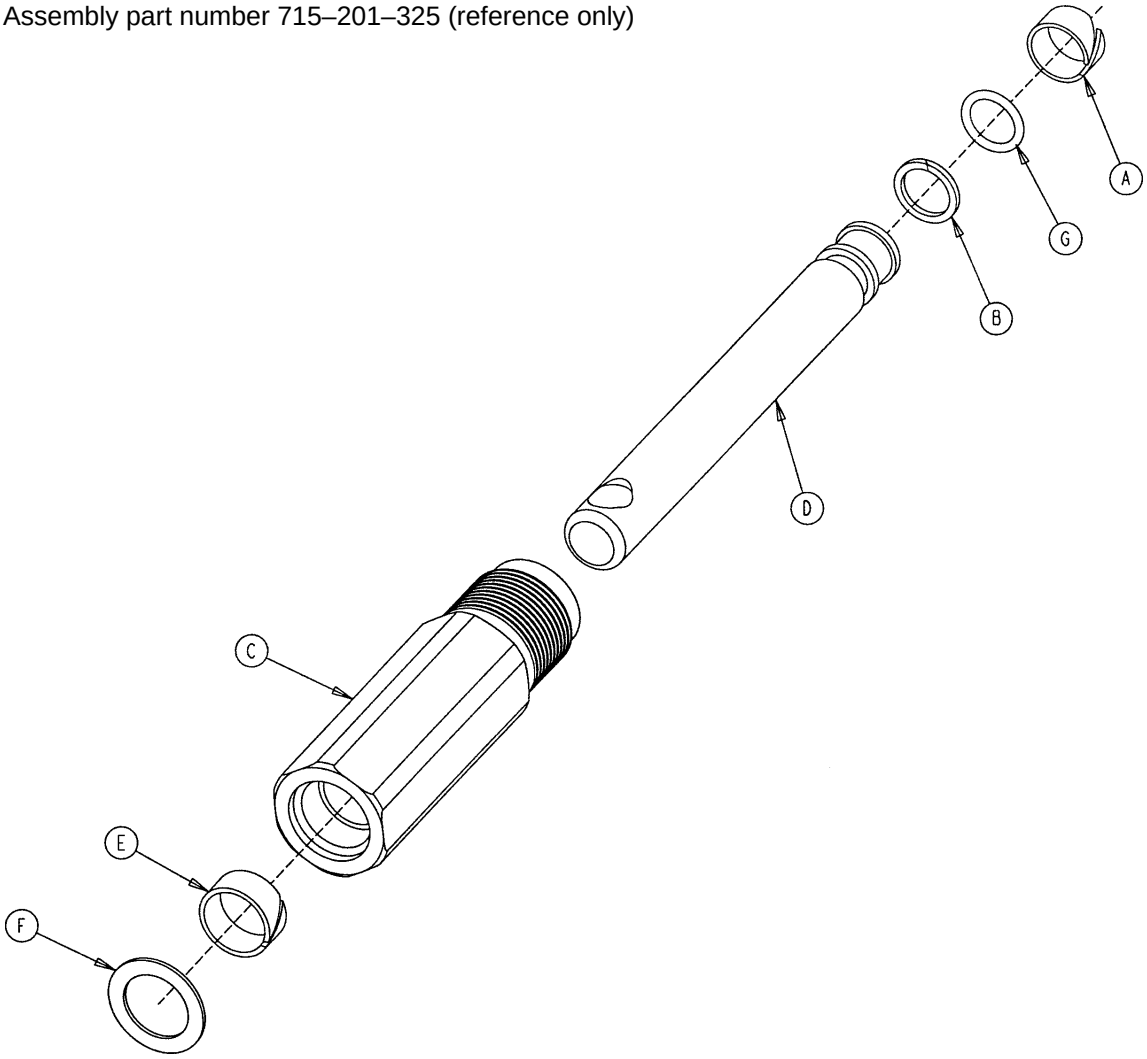
Assembly part number 1550–70–150 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	48–147	Hex Hd. O–Ring Plug	1	L	1210–170–13	Base Plug	1
B	48–150	Check Valve	1	M	1550–70–120	Machined Jack Base	1
C	390–2–134	Conical Comp. Spring	1	N	2025–75–87	Pin Housing	1
D	715–1–309	Valve Plug	1	P	5050–70–50	Adj. PC Valve Cartridge	1
E	715–1–329	Pump Seal	1	R	38–311	Compression Spring	1
F	715–1–341	Poppet	1	S	45–6	O–Ring	2
G	(page 52)	Pump Piston Assembly	1	T	45–966	O–Ring	1
H	715–270–1	Pin	1	W	45–967	O–Ring	1
J	926–20–153	Check Valve	1	X	715–270–100	Relief Valve Assembly	1
K	926–20–154	Seal	1				

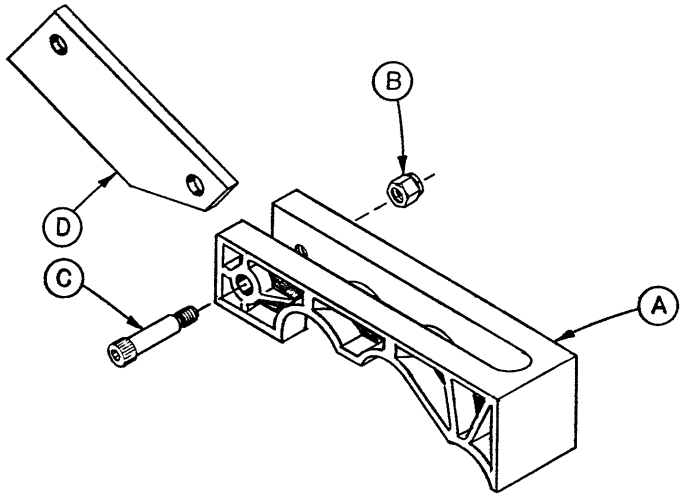
715–100–425 Jack Pump Piston Assembly

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



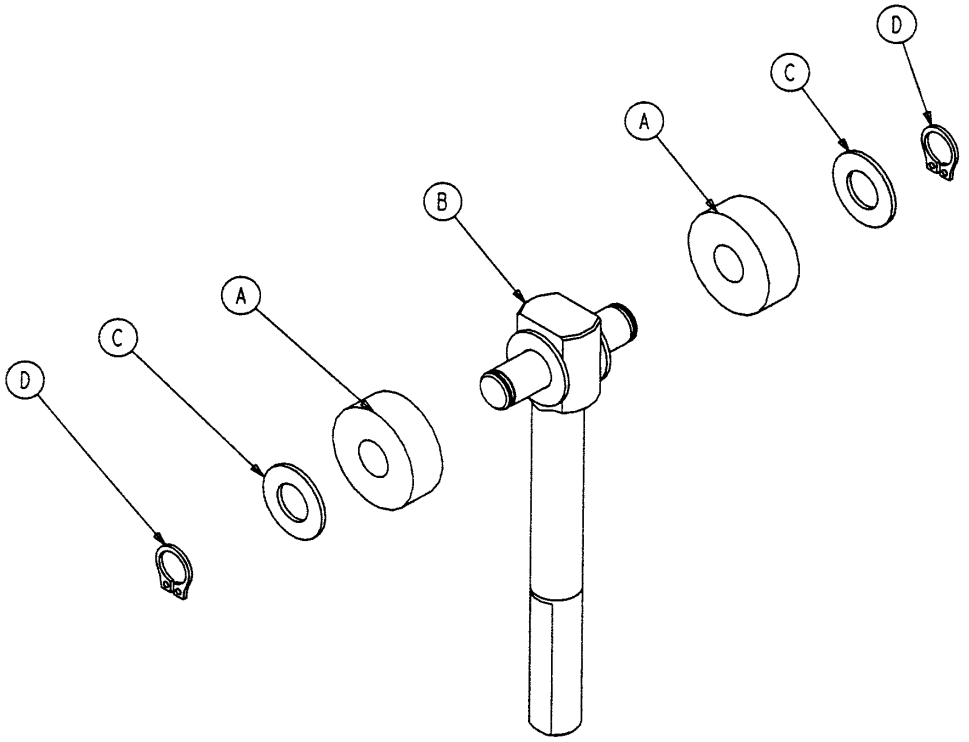
Item	Part No.	Part Name	Qty.
A	715–1–328	Piston Wear Ring	1
B	715–1–400	O–Ring Back Up	1
C	715–200–316	Pump Cylinder	1
D	715–201–318	Pump Piston	1
E	715–201–327	Cylinder Wear Ring	1
F	14–50	Bearing Retainer	1
G	45–110	O–Ring	1
	715–1–329	Pump Seal (not shown)	1

715–1–213 Brake Cam Assembly



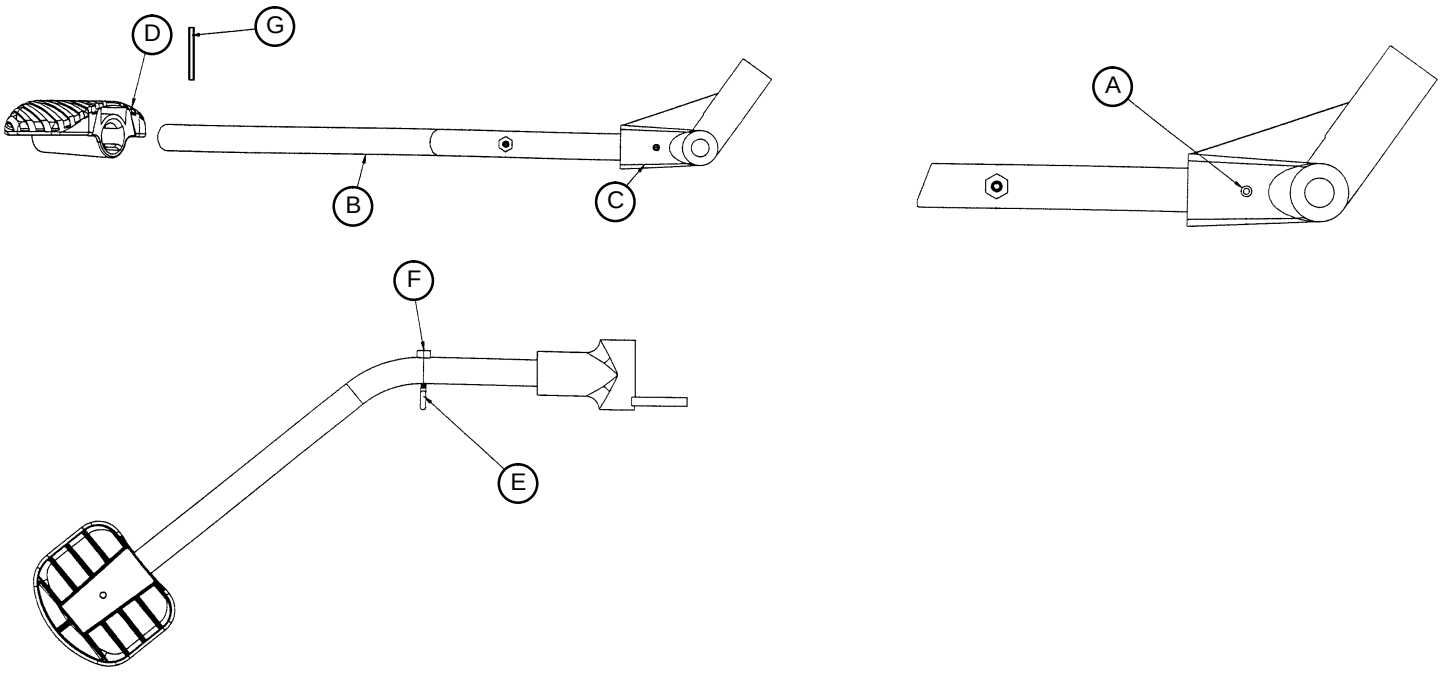
Item	Part No.	Part Name	Qty.
A	715–1–221	Brake Cam	1
B	16–59	Fiberlock Nut	1
C	8–21	Soc. Hd. Cap Screw	1
D	715–1–173	Brake Connecting Link	1

715–201–150 Brake Adjuster Assembly



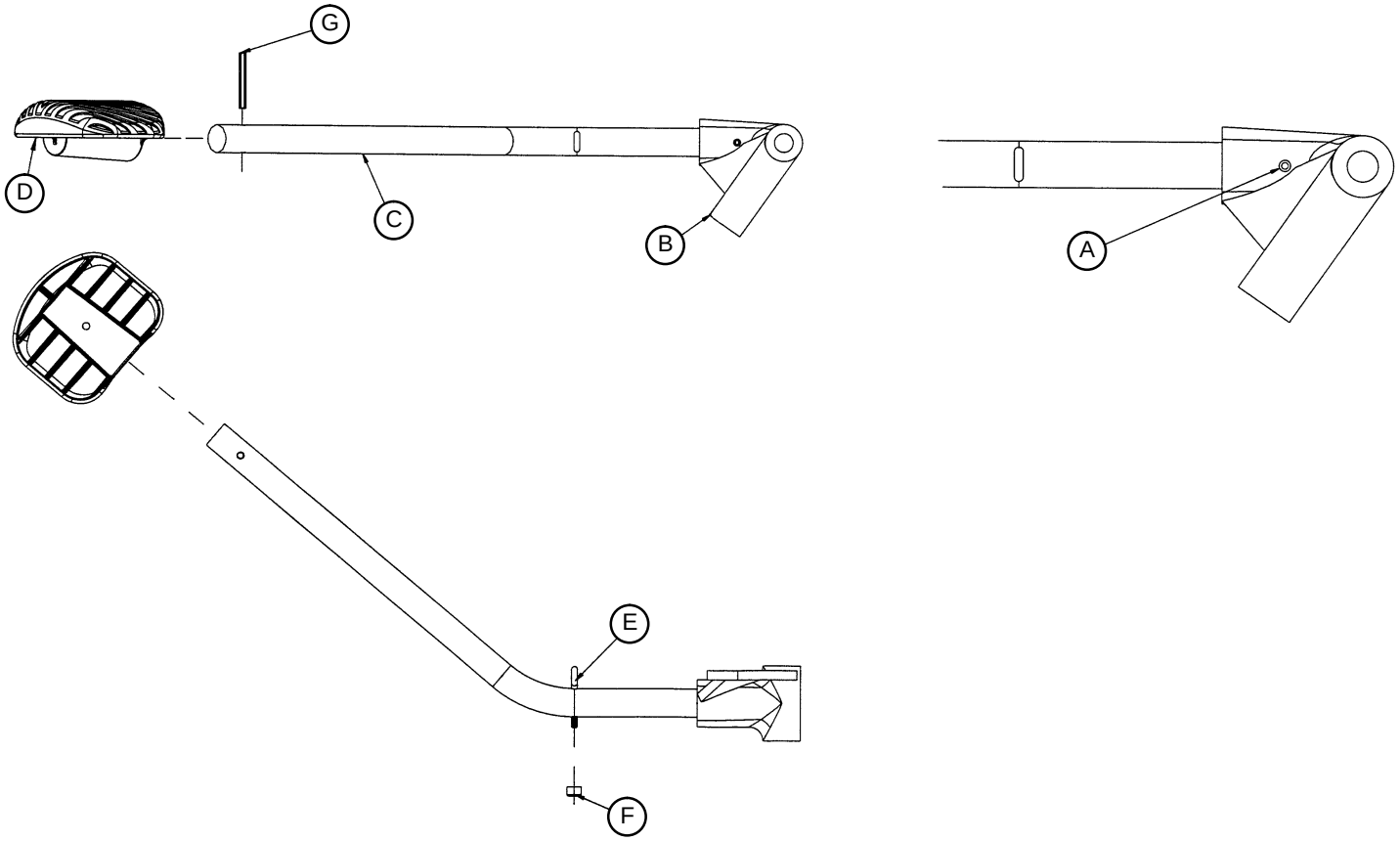
Item	Part No.	Part Name	Qty.
A	715–1–180	Cam Bearing	2
B	715–201–62	Threaded Stud Assembly	1
C	14–4	Nylon Washer	4
D	28–8	External Retaining Ring	2

716–201–288 Foot End Pump Pedal Assembly



Item	Part No.	Part Name	Qty.
A	26–12	Spring Pin	1
B	716–201–14	Foot End Pump Rod	1
C	716–1–283	Pump Pivot Housing	1
D	715–201–126	Pedal	1
E	1210–201–551	Eye Bolt	1
F	16–14	Nylock Nut	1
G	26–261	Groove Pin	1

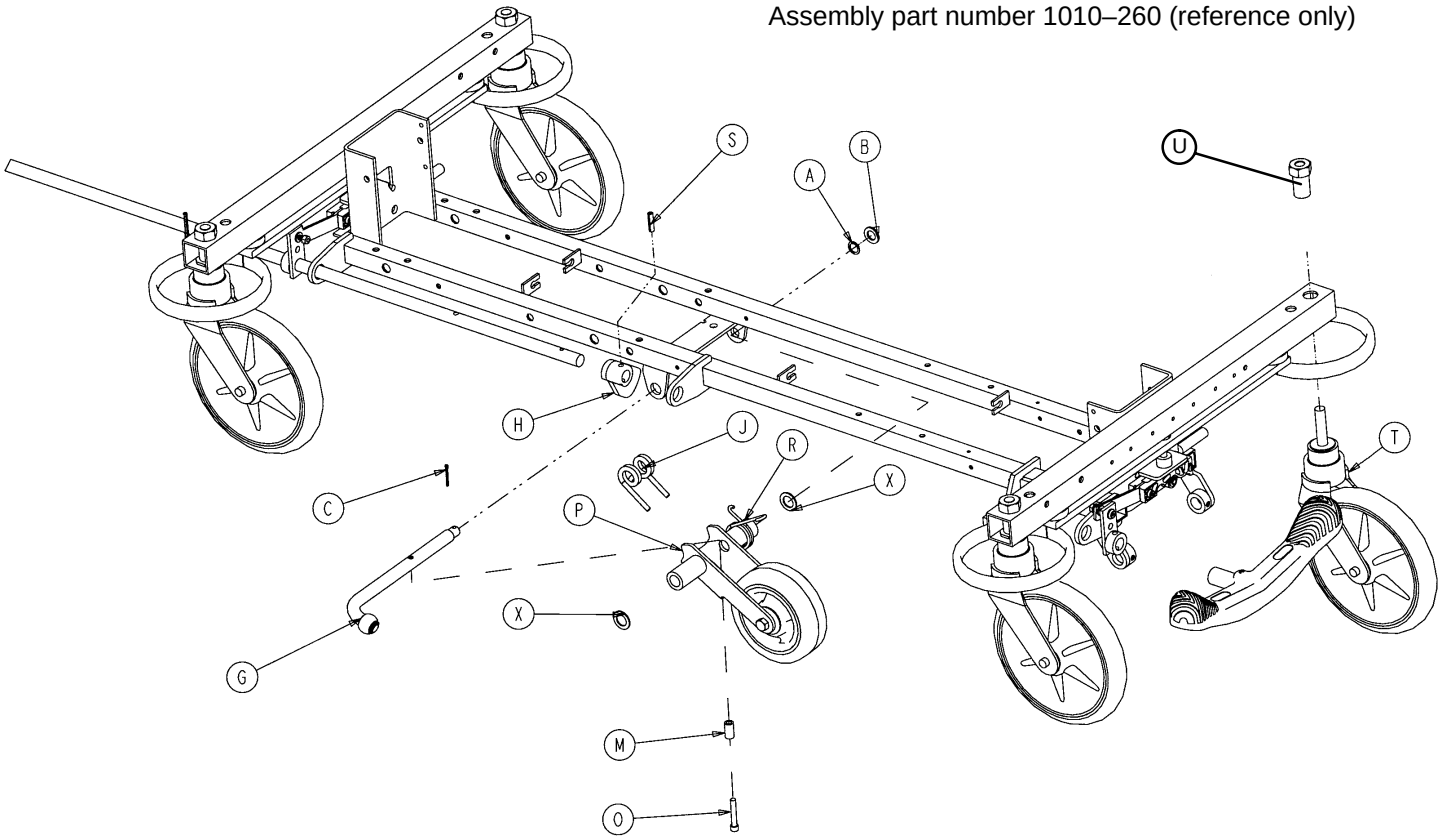
716–201–292 Head End Pump Pedal Assembly



Item	Part No.	Part Name	Qty.
A	26–12	Spring Pin	1
B	716–1–285	Pump Pivot Housing, Hd. End	1
C	716–201–14	Head End Pump Rod	1
D	715–201–126	Pedal	1
E	1210–201–551	Eye Bolt	1
F	16–14	Nylock Nut	1
G	26–261	Groove Pin	1

Base Assembly w/Fifth Wheel Option

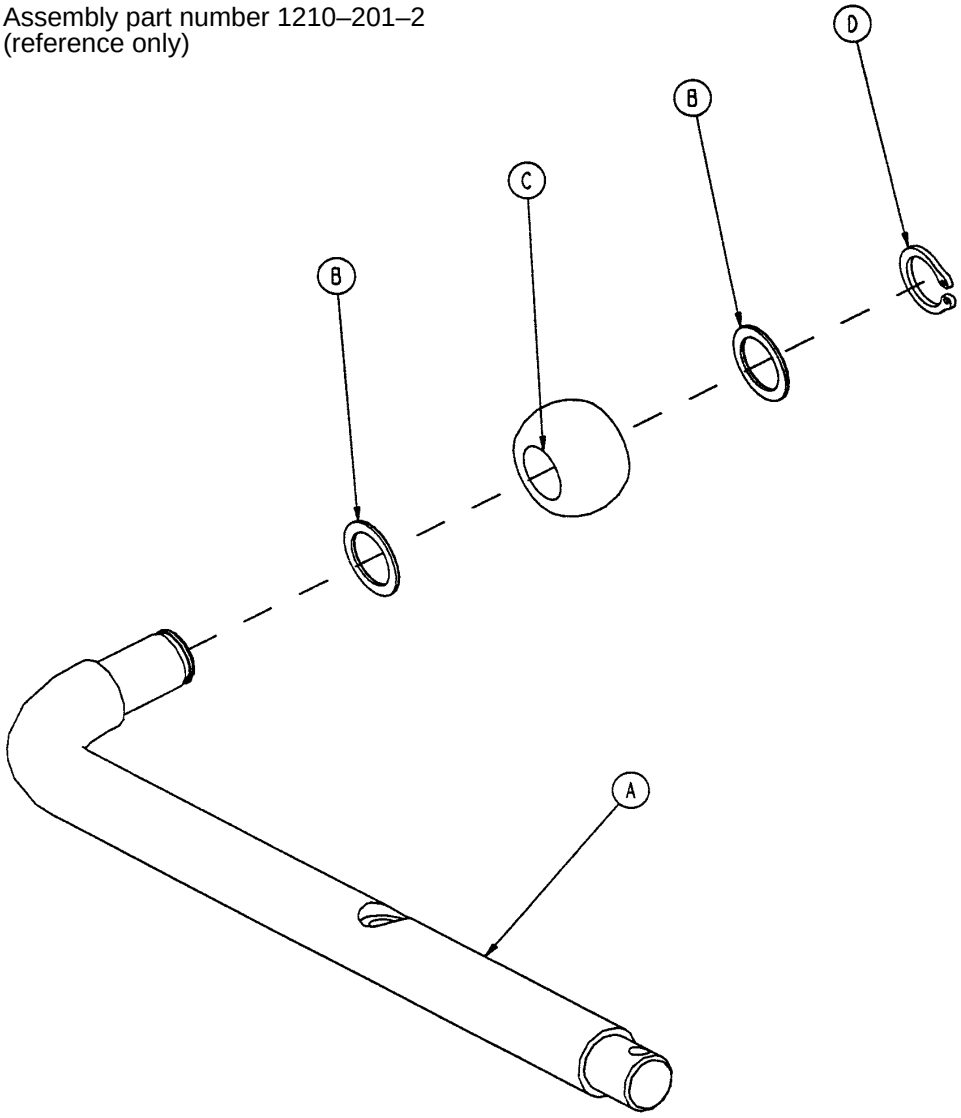
Assembly part number 1010–260 (reference only)



Item	Part No.	Part Name	Qty.
A	14–79	Nylon Washer	1
B	11–13	Washer	1
C	27–16	Cotter Pin	1
G	(page 58)	Pivot Rod Assembly	1
H	1210–1–145	Cam	1
J	1210–1–148	Torsion Spring	1
M	1210–201–149	Spring Spacer	1
O	4–10	Bolt	1
P	(page 59)	Wheel Arm Assembly	1
R	1210–1–146	Torsion Spring	1
S	26–35	Roll Pin	1
T	(page 38)	Caster Assembly	4
U	715–1–158	Caster Nut	4
X	14–80	Nylon Washer	2

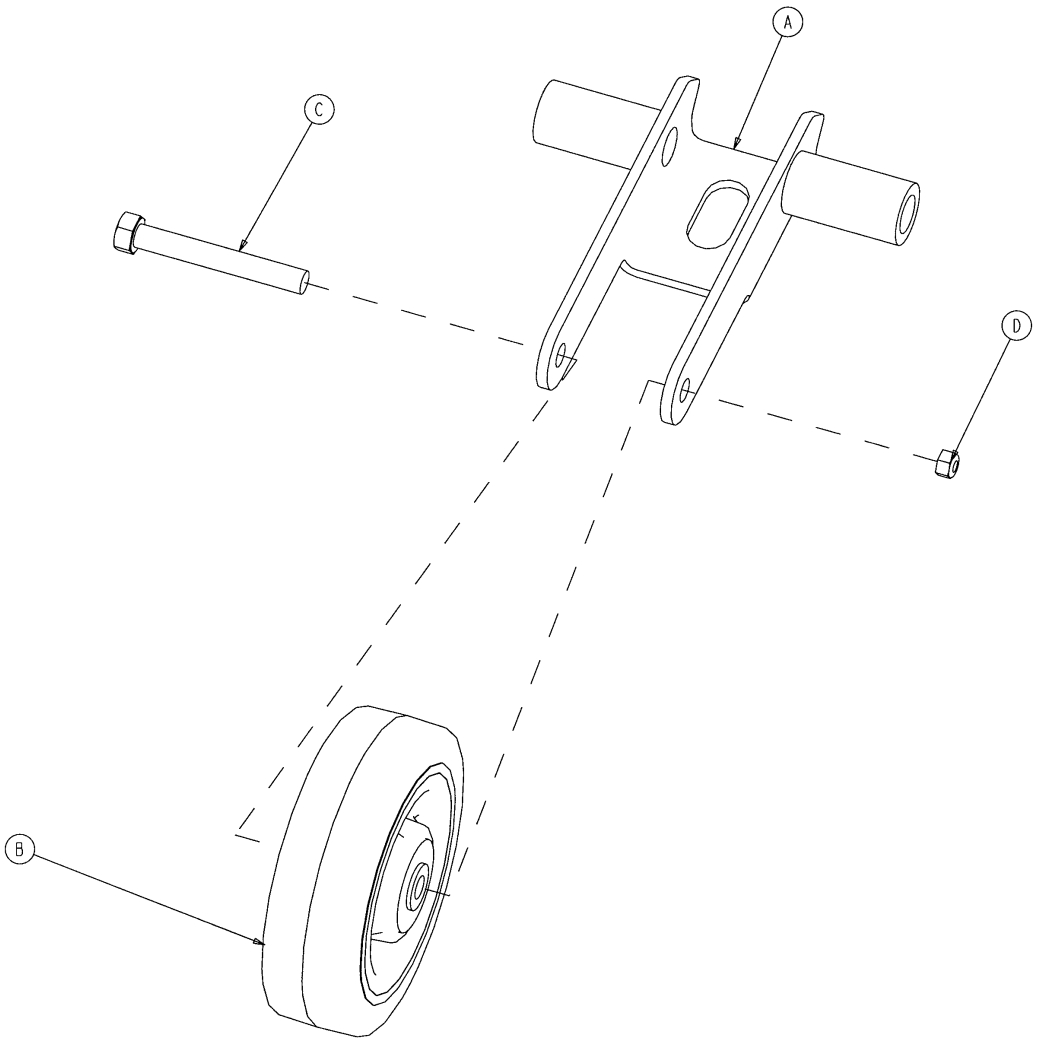
Optional Fifth Wheel Pivot Rod Assembly

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



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

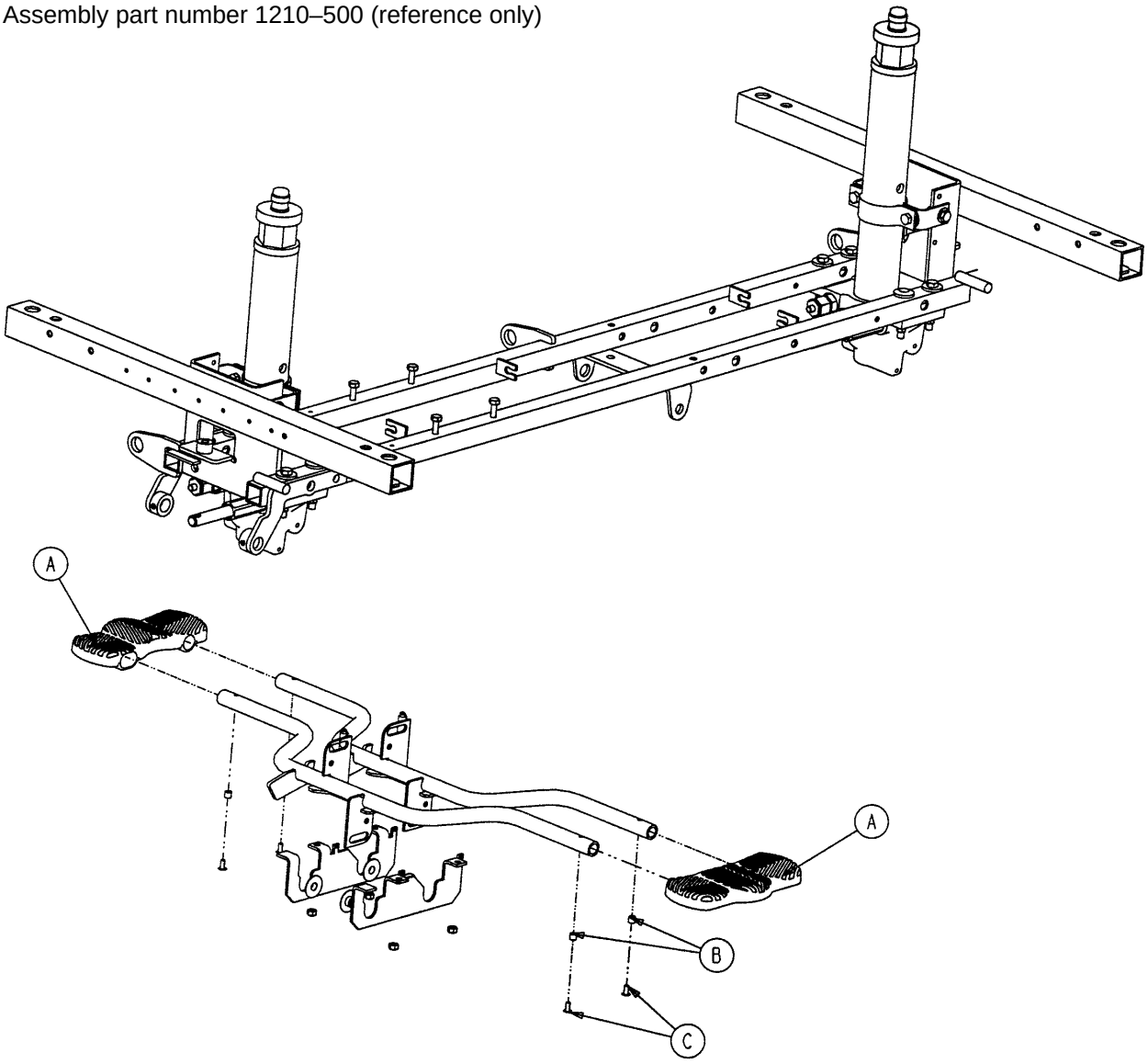
715–201–125 Optional Fifth Wheel Arm Assembly



Item	Part No.	Part Name	Qty.
A	1210–201–553	Wheel Arm	1
B	1210–1–147	Fifth Wheel	1
C	3–31	Hex Hd. Cap Screw	1
D	16–12	Nylock Nut	1

Uni–Lower Pedal Assembly

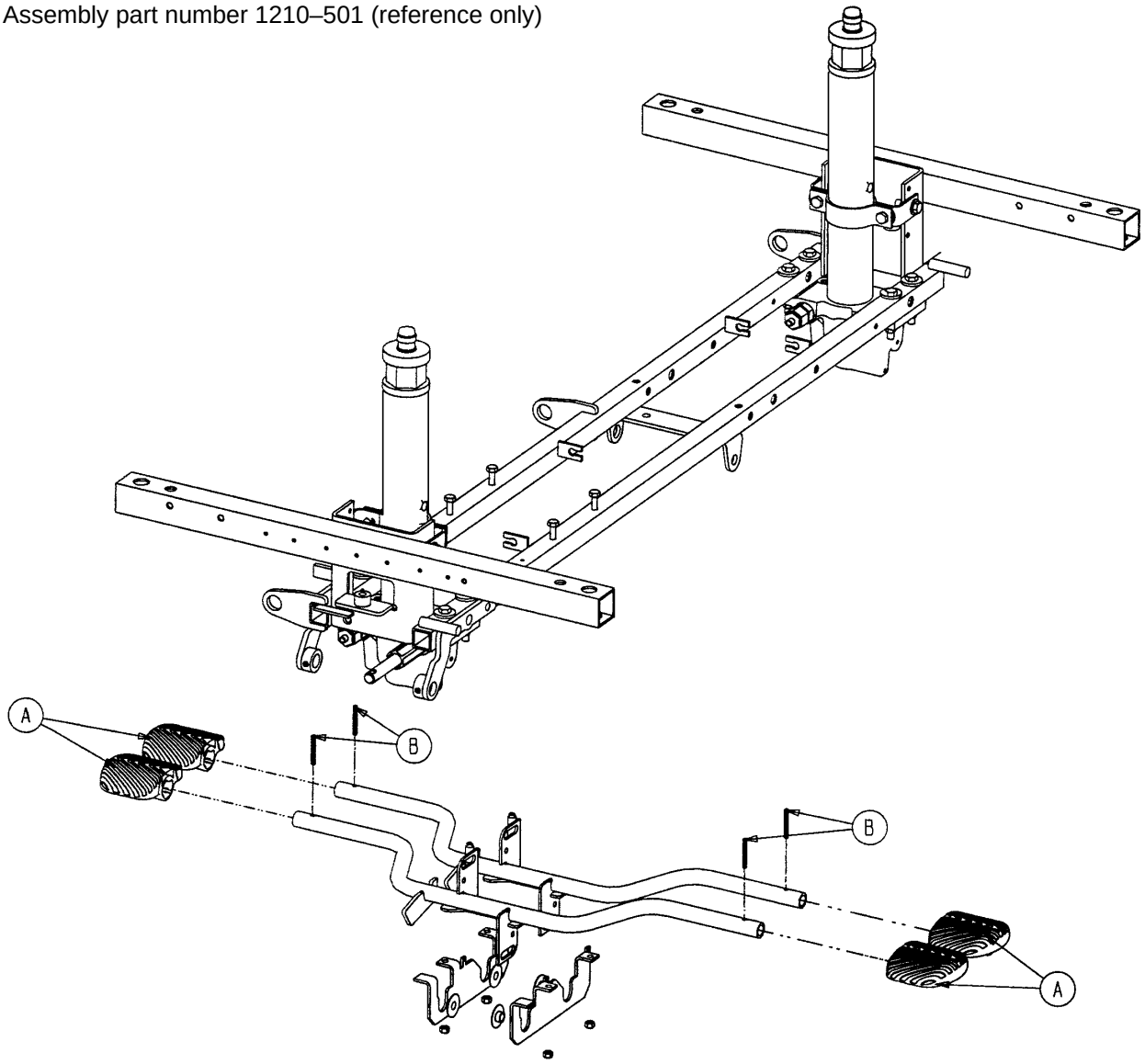
Assembly part number 1210–500 (reference only)



Item	Part No.	Part Name	Qty.
A	715–201–127	Uni–Lowering Pedal	2
B	715–1–333	Release Rod Stop Sleeve	4
C	25–50	Pop Rivet	4

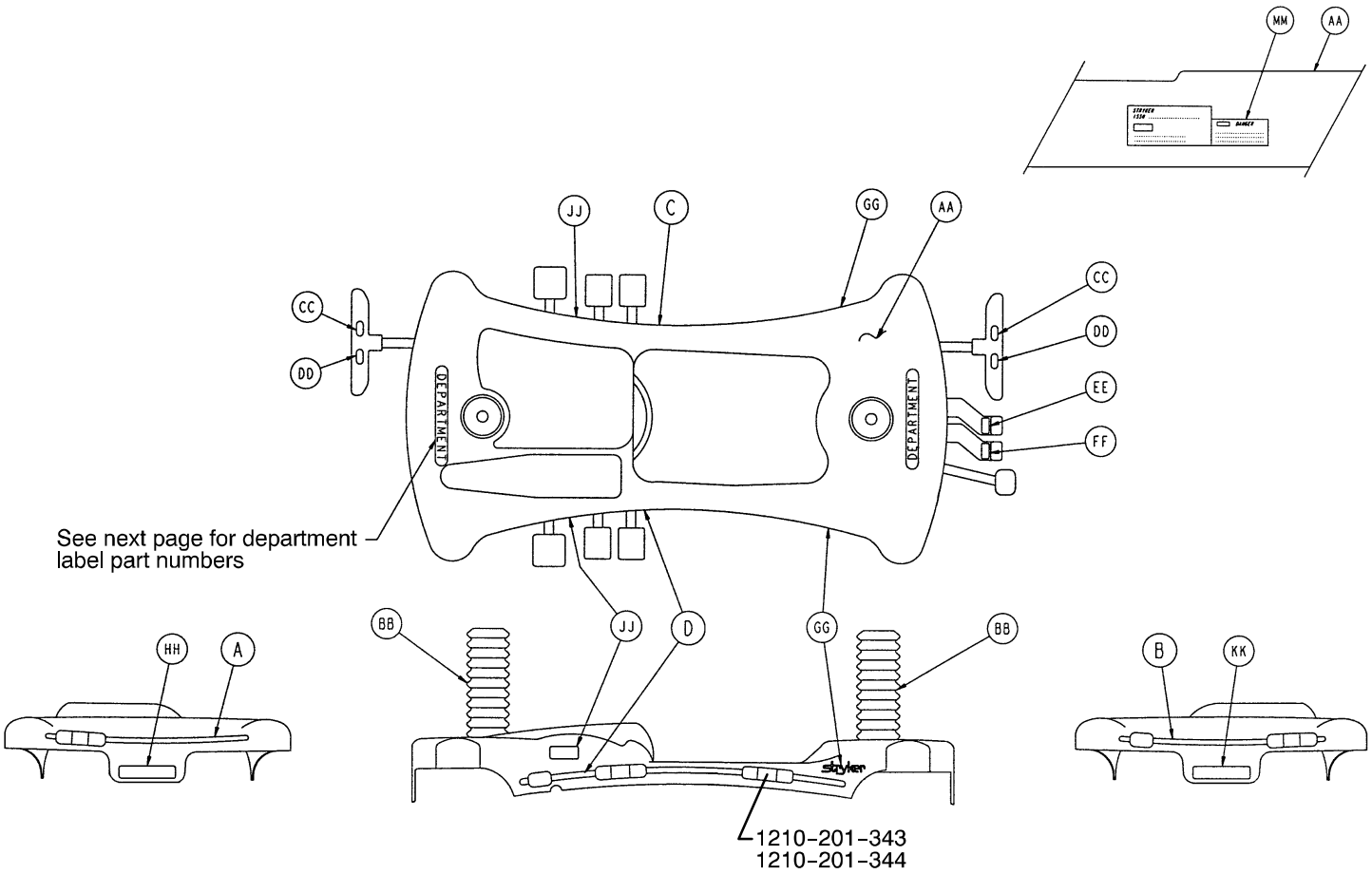
Optional Dual Lowering Pedal Assembly

Assembly part number 1210–501 (reference only)



Item	Part No.	Part Name	Qty.
A	715–201–126	Pump Pedal	4
B	26–143	Groove Pin	4

3–Sided Foot End Control Base Labeling Assembly



Item	Part No.	Part Name	Qty.
AA	1550–445–2	Base Hood	1
BB	715–1–134	Bellows	2
CC	1210–201–335	Red Brake Label	2
DD	1210–201–336	Green Steer Label	2
EE	1210–201–337	Head Down Label, Foot End	1
FF	1210–201–338	Foot Down Label, Foot End	1
GG	946–201–60	Stryker Logo Label	4
HH	1550–90–1	Grounding Caution Label	1
JJ	1550–90–3	Synergy Series Logo Label	2
KK	1550–90–13	Electric Shock Caution Label	1
MM	1550–90–18	Explosion Danger Label	1

3–Sided Foot End Control Base Labeling Assembly

Color Set P/N	Item A Control Label, Head End	Item B Control Label, Foot End	Item C Control Label, Left	Item D Control Label, Right	Litter Bumper Strip
RED 1210–750–110	1210–800–113	1210–850–115	1210–800–111	1210–800–112	1010–700–15
PURPLE 1210–750–120	1210–800–123	1210–850–125	1210–800–121	1210–800–122	1010–700–25
GREEN 1210–750–130	1210–800–133	1210–850–135	1210–800–131	1210–800–132	1010–700–35
GRAY 1210–750–140	1210–800–143	1210–850–145	1210–800–141	1210–800–142	1010–700–45
TEAL 1210–750–150	1210–800–153	1210–850–155	1210–800–151	1210–800–152	1010–700–55
PINK 1210–750–160	1210–800–163	1210–850–165	1210–800–161	1210–800–162	1010–700–65
BLUE 1210–750–170	1210–800–173	1210–850–175	1210–800–171	1210–800–172	1010–700–75

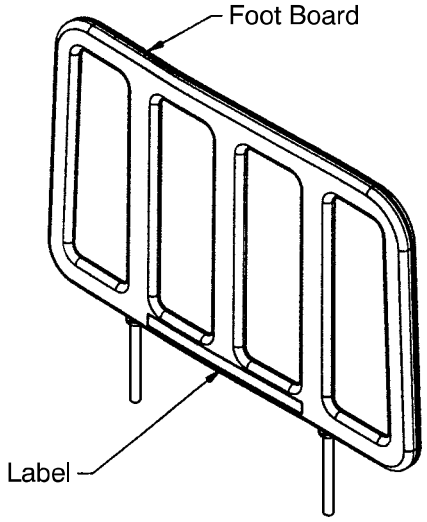
BASE HOOD DEPARTMENT LABELS

Department	Label Part No.
Emergency	1010–900–215
PACU	1010–900–220
Transport	1010–900–225
Surgery	1010–900–230
Extended Stay	1010–900–235
Maternity	1010–900–240
Endoscopy	1010–900–245
Radiology	1010–900–250
Nuclear Medicine	1010–900–255
Ambulatory Surgery	1010–900–260
G.I. Lab	1010–900–265
Cath. Lab	1010–900–270
Same Day Surgery	1010–900–275
Cardio.	1010–900–280
Ultrasound	1010–900–285

NOTE

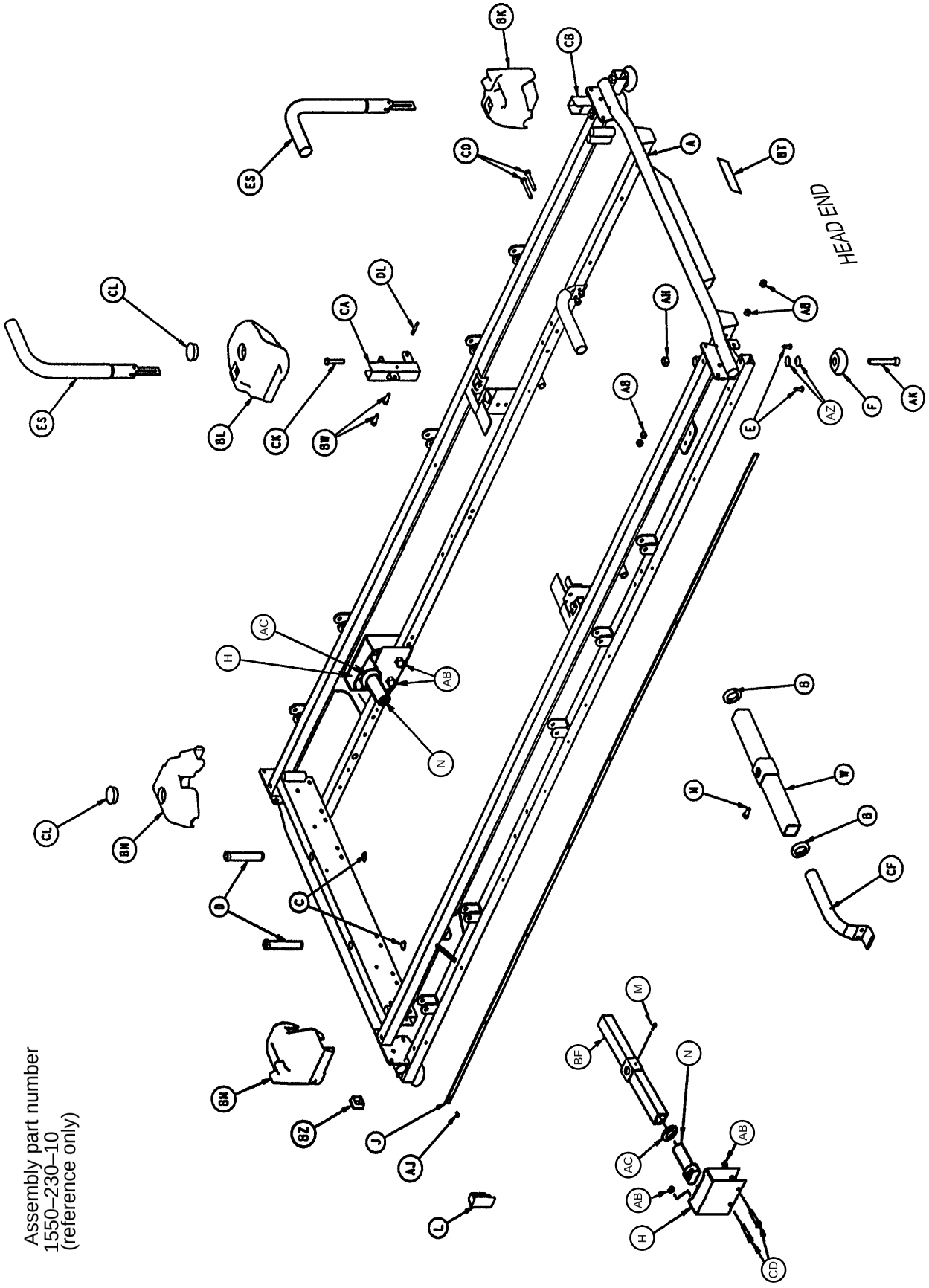
All base hood department labels are quantity of two.

FOOT BOARD DEPARTMENT LABELS



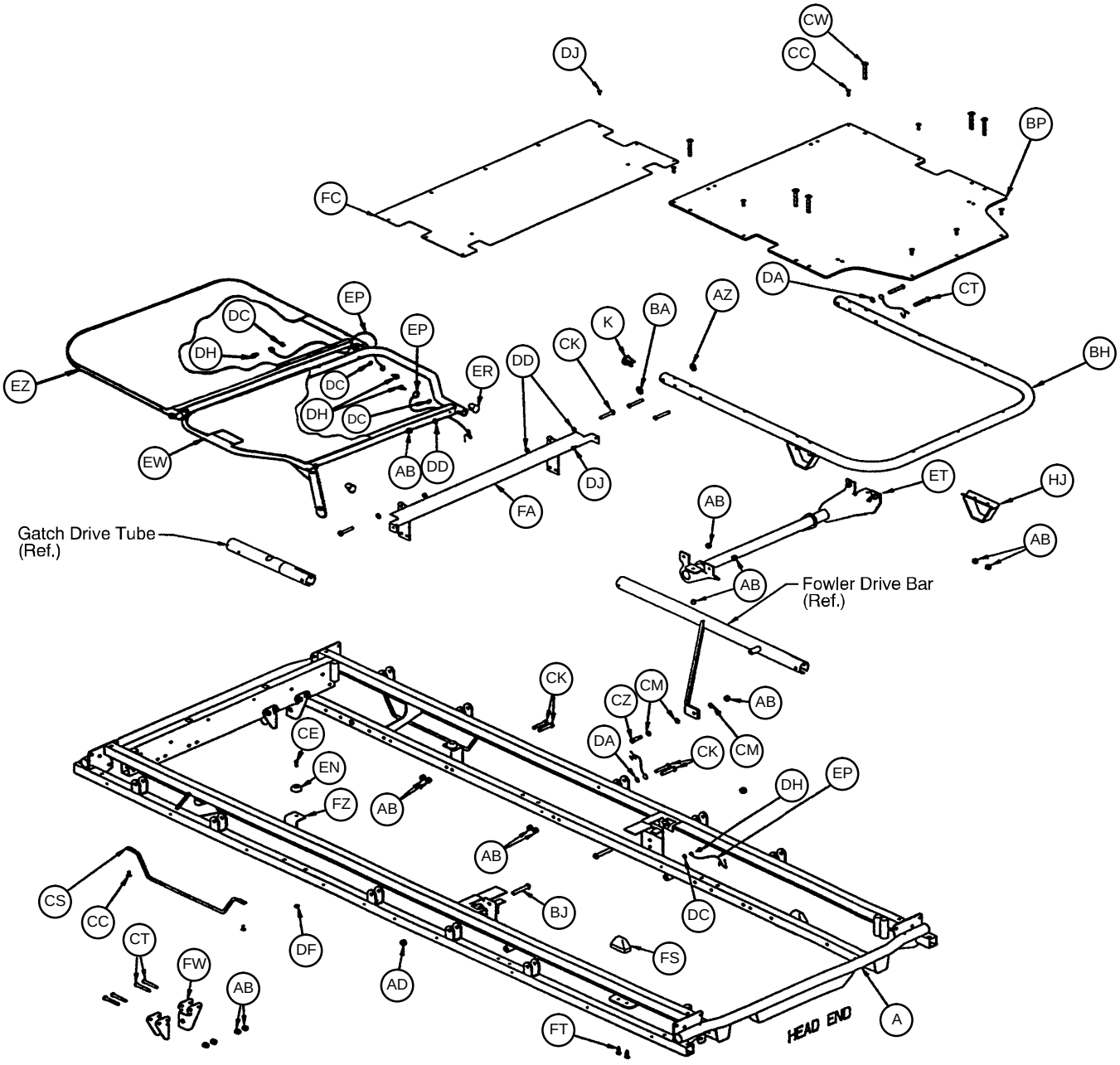
Department	Label Part No.
Demo Stryker	1010–900–186
Ophthalmology	1010–900–187
Outpatient Surgery	1010–900–188
Recovery	1010–900–189
Trauma	1010–900–190
Urgence	1010–900–191
Special (Blank)	1010–900–192

Litter Assembly

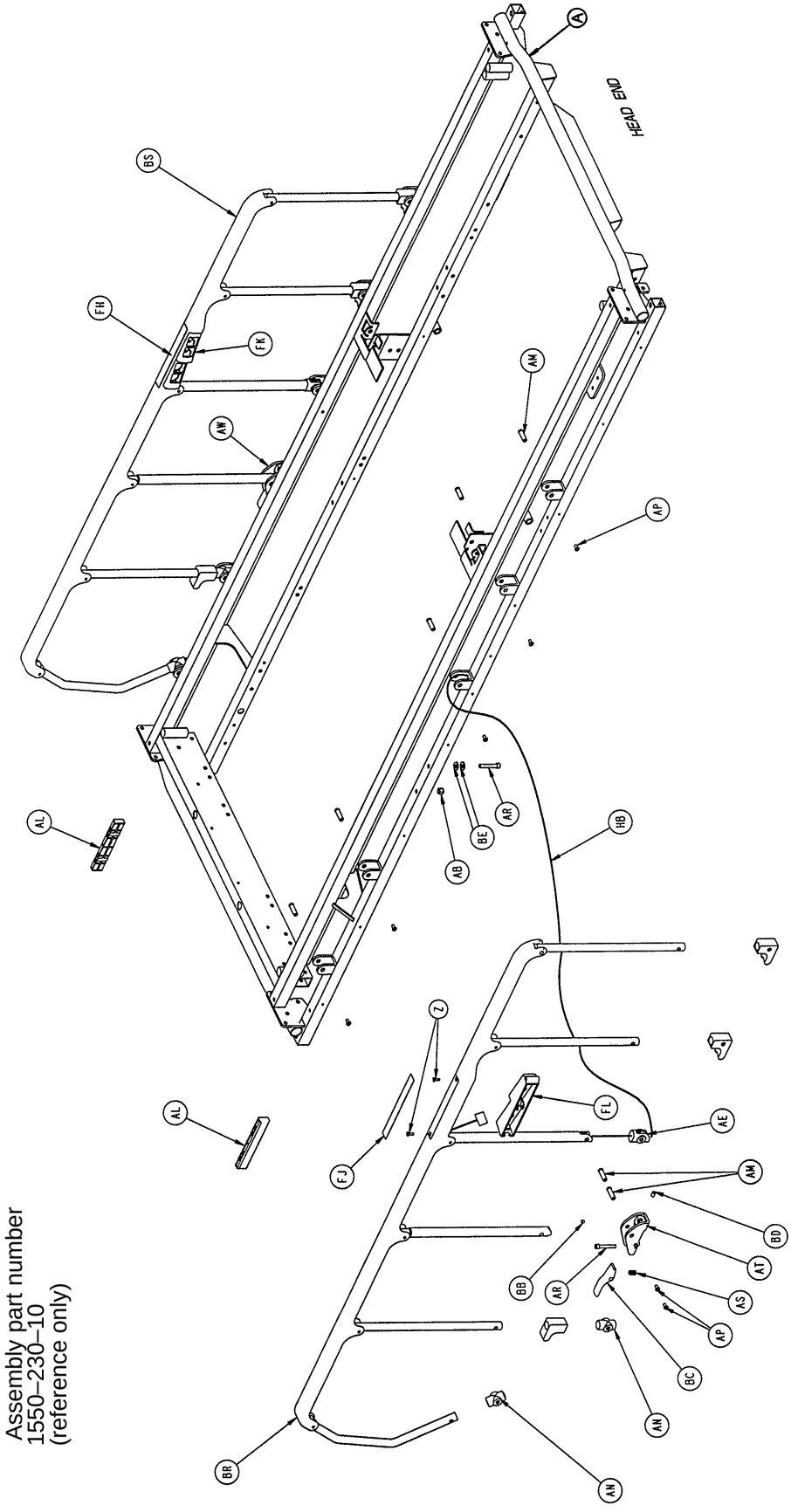


Litter Assembly

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

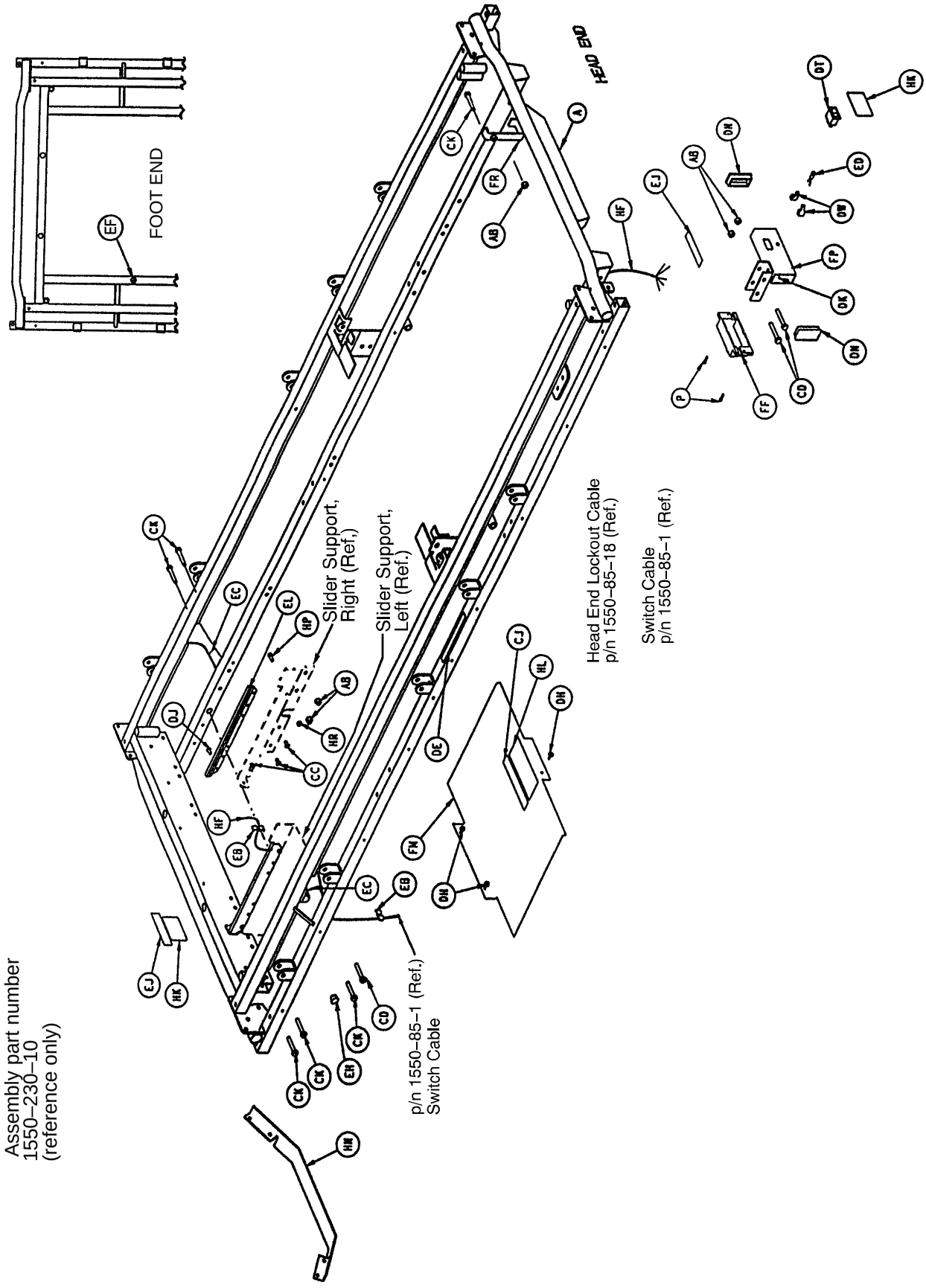


Litter Assembly

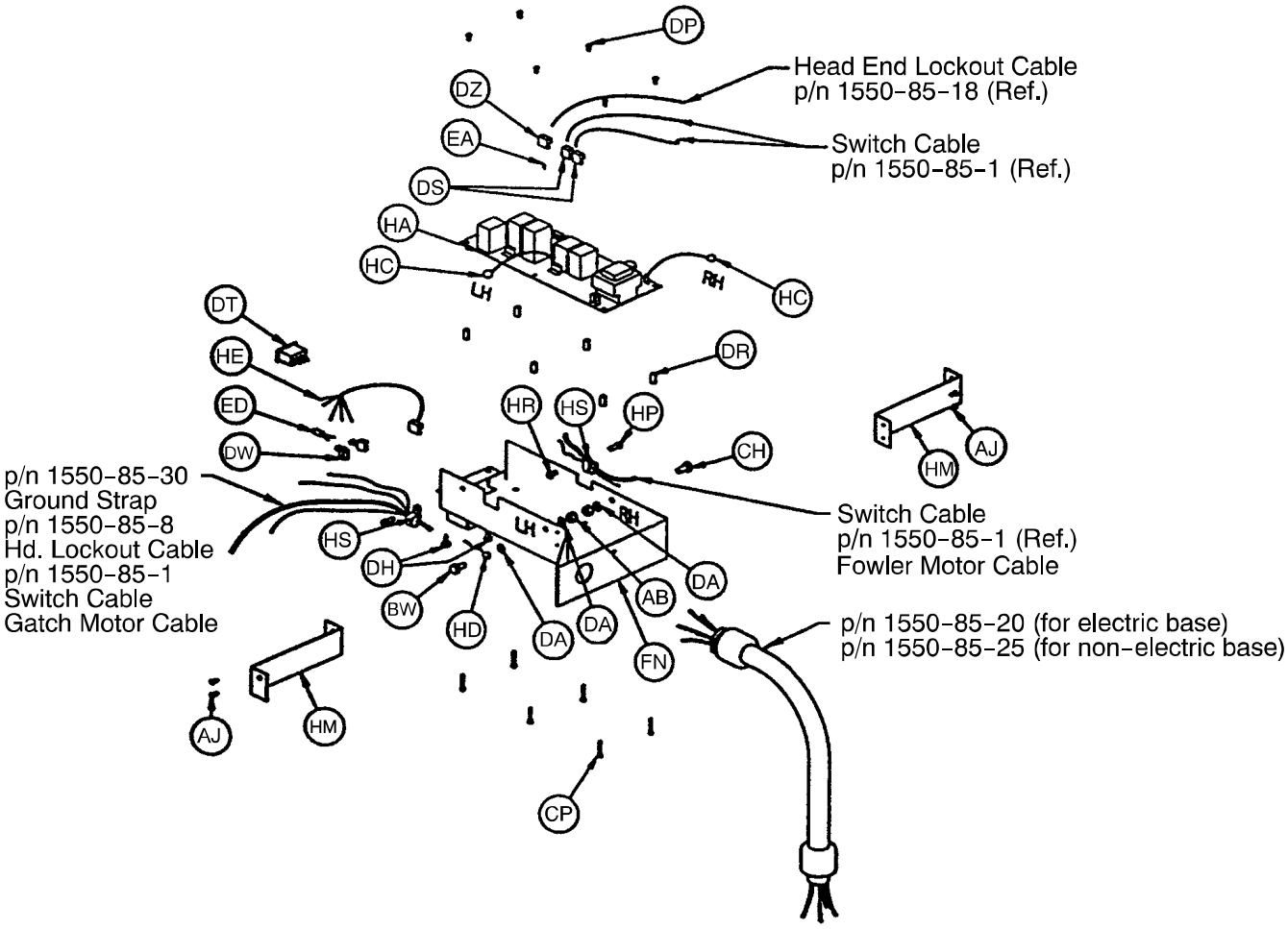


Assembly part number
1550–230–10
(reference only)

Litter Assembly



Litter Assembly

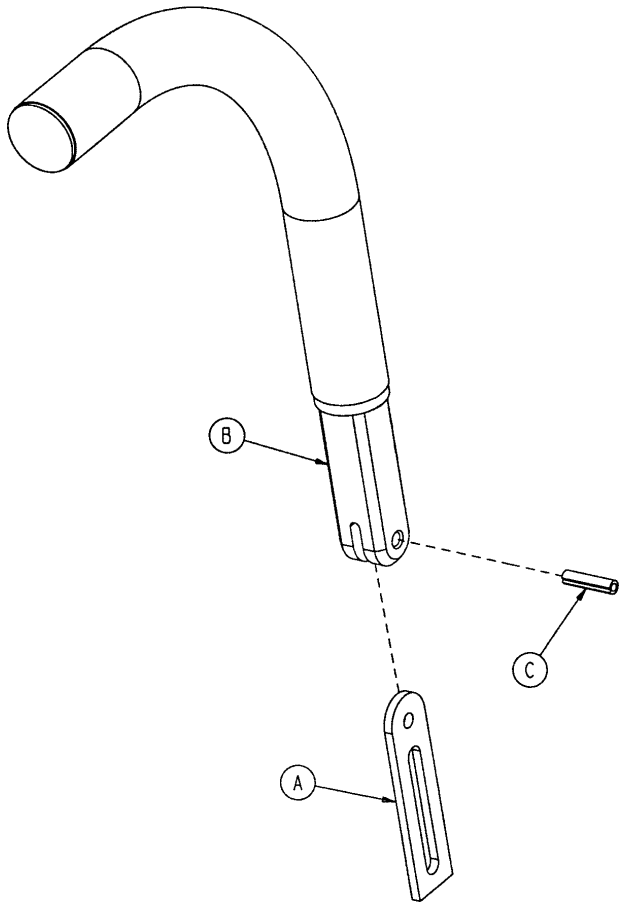


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550–30–5	Frame Assembly	1	AM	721–26–66	Pivot Screw	14
B	938–1–401	Collar	2	AN	721–26–69	Upright Sleeve	4
C	28–72	Retaining Ring	2	AP	4–136	But. Hd. Cap Screw	14
D	1001–40–12	Foot Board Receptacle	2	AR	4–135	But. Hd. Cap Screw	4
E	23–104	Self–Tapping Screw	8	AS	38–220	Compression Spring	2
F	926–400–142	Corner Wheel	4	AT	1010–26–81	Lock Hsg. Ass'y, Lt.	1
H	1001–201–30	Trend. Support	2	AW	1010–26–80	Lock Hsg. Ass'y, Rt.	1
J	1010–201–27	Bumper Extrusion	2	AZ	14–21	Nylon Flat Washer	10
K	1001–1–36	End Plug	2	BA	11–179	Nylon Flat Washer	2
L	1001–1–41	Tube Plug	2	BB	37–74	Hole Plug	14
M	46–1	Sq. Hd. Set Screw	2	BC	721–26–74	Lock Handle, Mach.	2
N	1001–201–29	Insert	2	BD	21–104	Set Screw	2
P	4–100	Soc. Hd. Cap Screw	2	BE	11–2	Flat Washer	4
W	1510–32–20	Support Tube Ass'y	1	BF	1501–201–31	Supt. Tube Ass'y	1
Z	1–110	Flat Hd. Screw	4	BH	1501–31–13	Fowler Tube	1
AB	16–28	Nylock Nut	61	BJ	4–183	Fowler Pivot Bolt	2
AC	11–360	Plastic Spacer	2	BK	1010–201–236	Corner Cover, Hole/Slot	1
AD	16–36	Flexlock Nut	2	BL	1010–201–237	Corner Cover, Hole/Hole	1
AE	1550–26–18	Oval Sleeve	2	BM	1010–201–238	Corner Cover, Slot Only	1
AH	16–35	Nylock Nut	4	BN	1010–201–239	Corner Cover, Hole Only	1
AJ	25–38	Pop Rivet	24	BP	1510–231–12	Fowler Skin	1
AK	4–201	Soc. Hd. Cap Screw	4	BR	(page 71)	Siderail Assembly, Lt.	1
AL	1550–26–24	Lock Support	2	BS	(page 71)	Siderail Assembly, Rt.	1

Litter Assembly

Item	Part No.	Part Name	Qty.
BT	946–1–60	Logo Label	1
BW	3–1	Hex Hd. Cap Screw	5
BZ	37–10	Hole Plug	2
CA	1010–254–4	Receptacle Ass'y, Lt.	1
CB	1010–254–6	Receptacle Ass'y, Rt.	1
CC	25–50	Pop Rivet	11
CD	3–78	Hex Hd. Cap Screw	11
CE	2–31	Round Hd. Mach. Screw	2
CF	1001–1–37	Head Jack Supt. Tube	2
CH	3–41	Hex Hd. Cap Screw	1
CJ	1550–90–30	Litter Fuse Label	1
CK	3–47	Hex Hd. Cap Screw	18
CL	37–59	Hole Plug	1
CM	14–3	Washer	3
CP	4–101	Soc. Hd. Cap Screw	6
CS	1010–32–92	Foley Bag Rack	2
CT	4–173	But. Hd. Cap Screw	12
CW	7–20	Truss Hd. Mach. Screw	6
CZ	8–15	Shoulder Bolt	1
DA	13–10	Ext. Tooth Lock Washer	10
DC	13–18	Ext. Tooth Lock Washer	5
DD	14–2	Washer	12
DE	1550–90–15	Caution Label	2
DF	16–14	Nylock Nut	2
DH	23–25	Hex Hd. Tap. Screw	9
DJ	25–122	Pop Rivet	19
DK	16–23	Lock Nut	2
DL	26–12	Roll Pin	2
DN	37–49	Hole Plug	2
DP	52–89	Fil. Slotted Nylon Screw	6
DR	52–91	Female Spacer	6
DS	59–54	5– Pin Housing	2
DT	59–68	Rocker Switch	2
DW	59–69	Terminal Faston	4
DZ	59–70	6–Pin Housing	1
EA	59–72	Nylon Key Plug	1
EB	59–74	Strain Relief Bushing	3
EC	59–76	Nylon Cable Tie	6
ED	59–77	Yellow LED	2
EF	36–46	Ground Label	1
EH	59–100	Dome Plug	3
EJ	1550–90–20	O2 Caution Label	2
EL	1510–34–90	Slider Pad	2
EN	946–1–155	Bumper	2
EP	3001–300–870	Earth Ground Jumper	3
ER	1001–34–25	Hole Plug	4
ES	(page 70)	Push Handle Assembly	2
ET	1501–33–24	Fowler Lever Assembly	1
EW	1550–34–111	Thigh Frame Assembly	1
EZ	1550–34–112	Calf Frame Assembly	1
FA	1501–34–23	Midsection Supt. Ass'y	1
FC	1510–234–27	Midsection Skin	1
FF	1550–1–31	Weigh Board Cover	1
FH	1550–26–9	Top Rail Nurse Label, Rt.	1
FJ	1550–26–10	Top Rail Nurse Label, Lt.	1
FK	(page 72)	Comp. Hsg. Ass'y, Rt.	1
FL	(page 73)	Comp. Hsg. Ass'y, Lt.	1
FM	1550–30–22	Board Housing Top	1
FN	1050–30–1	Enclosure Ass'y	1
FP	1550–30–17	Hd. End Lockout Wldmt.	1
FR	1550–30–25	Power Cord Hook	1
FS	1001–31–31	Pneumatic Fowler Rest	2
FT	23–100	Self–Tapping Screw	4
FW	1550–34–20	Crankscrew Mtg. Brkt.	4
FZ	1550–34–21	Thigh Support	2
HA	1550–80–940	Logic Control Board	1
HB	1550–85–1	Switch Cable	2
HC	1550–85–33	Ground	2
HD	1550–85–30	Ground Strap	1
HE	1550–85–37	Ft. End Lockout Cable	1
HF	1550–85–8	Hd. End Lockout Cable	1
HJ	1550–33–31	Fowler Supt. Ass'y	2
HK	1550–90–5	Lockout Label	2
HL	1550–90–13	Caution Label	1
HM	1550–30–30	Side Support	2
HN	1550–30–15	Motor Bracket	1
HP	4–7	Soc. Hd. Cap Screw	4
HR	16–3	Fiberlock Nut	4
HS	38–31	Cable Tie	2
HT	(page 63)	Litter Bumper (not shown)	2
HW	721–31–65	Hole Plug	30

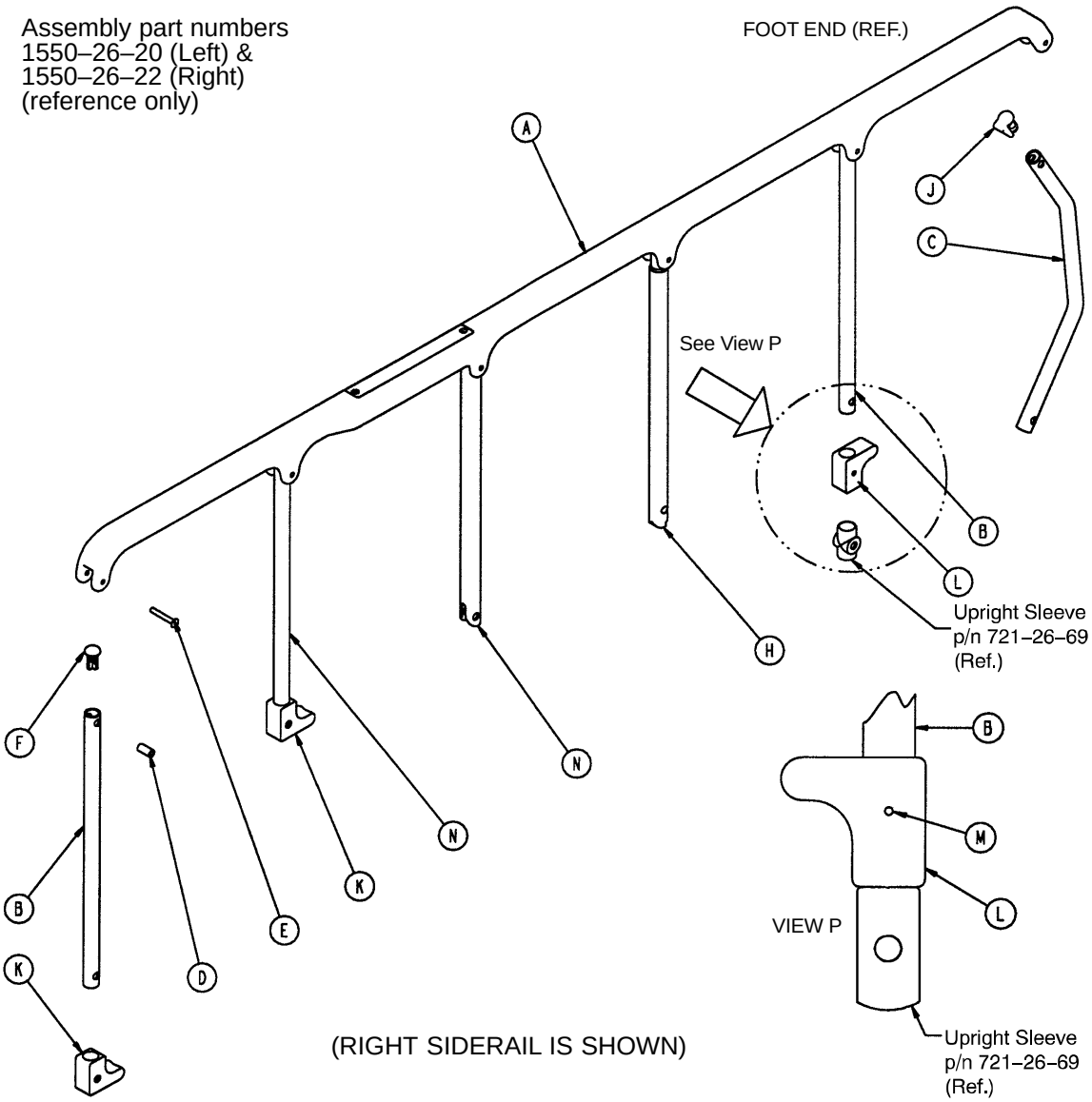
1211–351–10 Push Handle Assembly



Item	Part No.	Part Name	Qty.
A	26–118	Roll Pin	1
B	1010–354–24	Stop Link	1
C	1211–151–18	Sleeve Assembly	1

Siderail Assembly, Left & Right

Assembly part numbers
1550–26–20 (Left) &
1550–26–22 (Right)
(reference only)

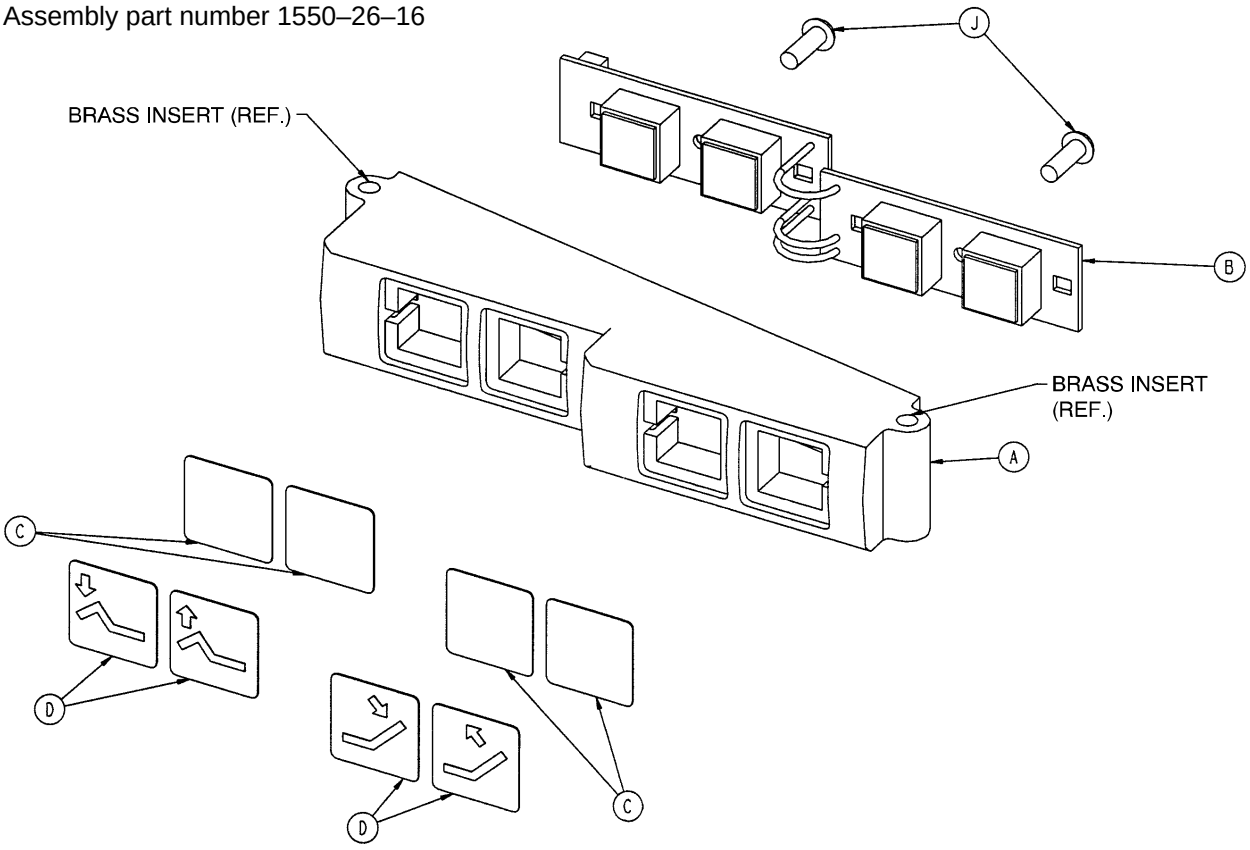


(RIGHT SIDERAIL IS SHOWN)

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

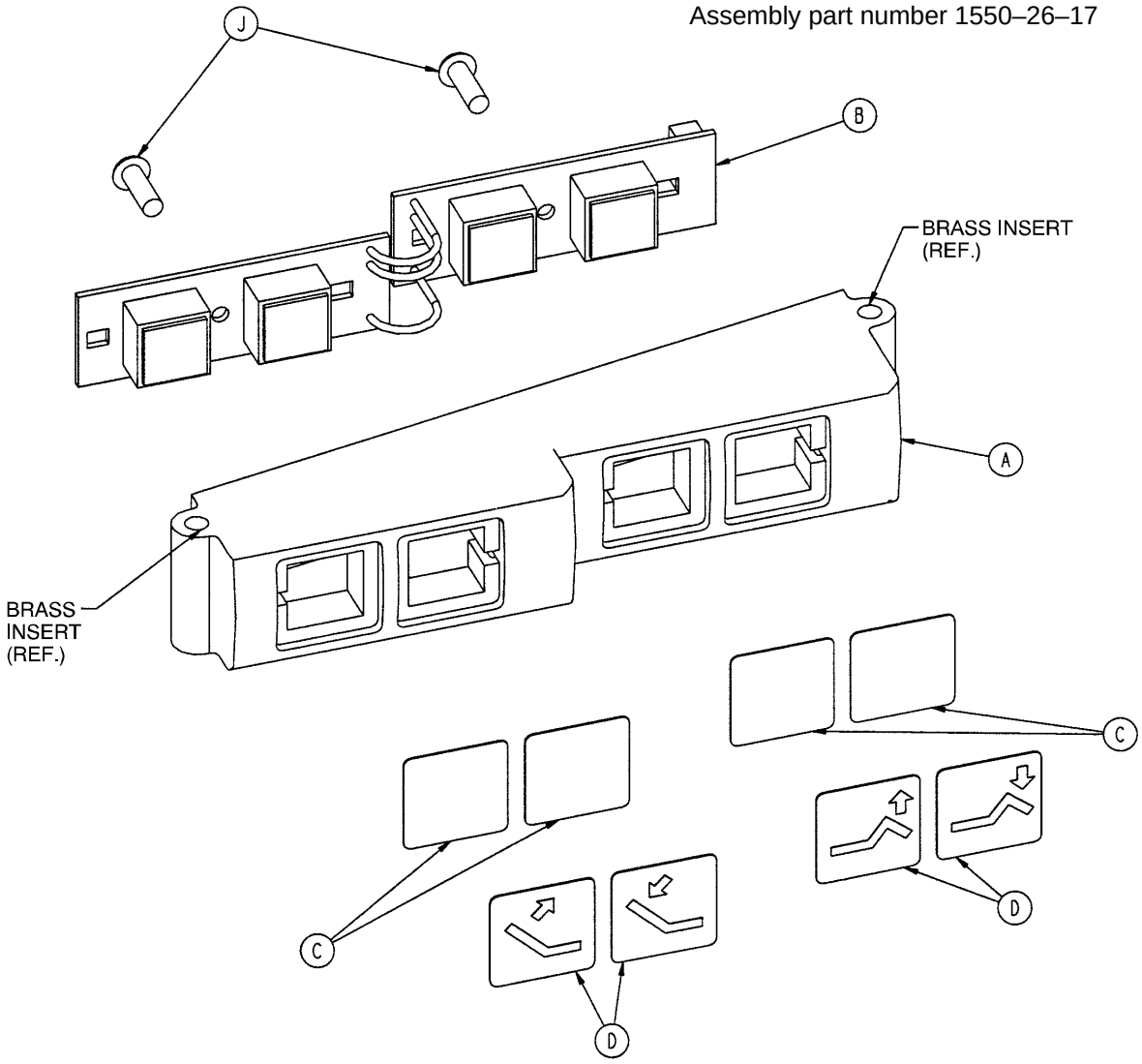
Assembly part number 1550–26–16



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

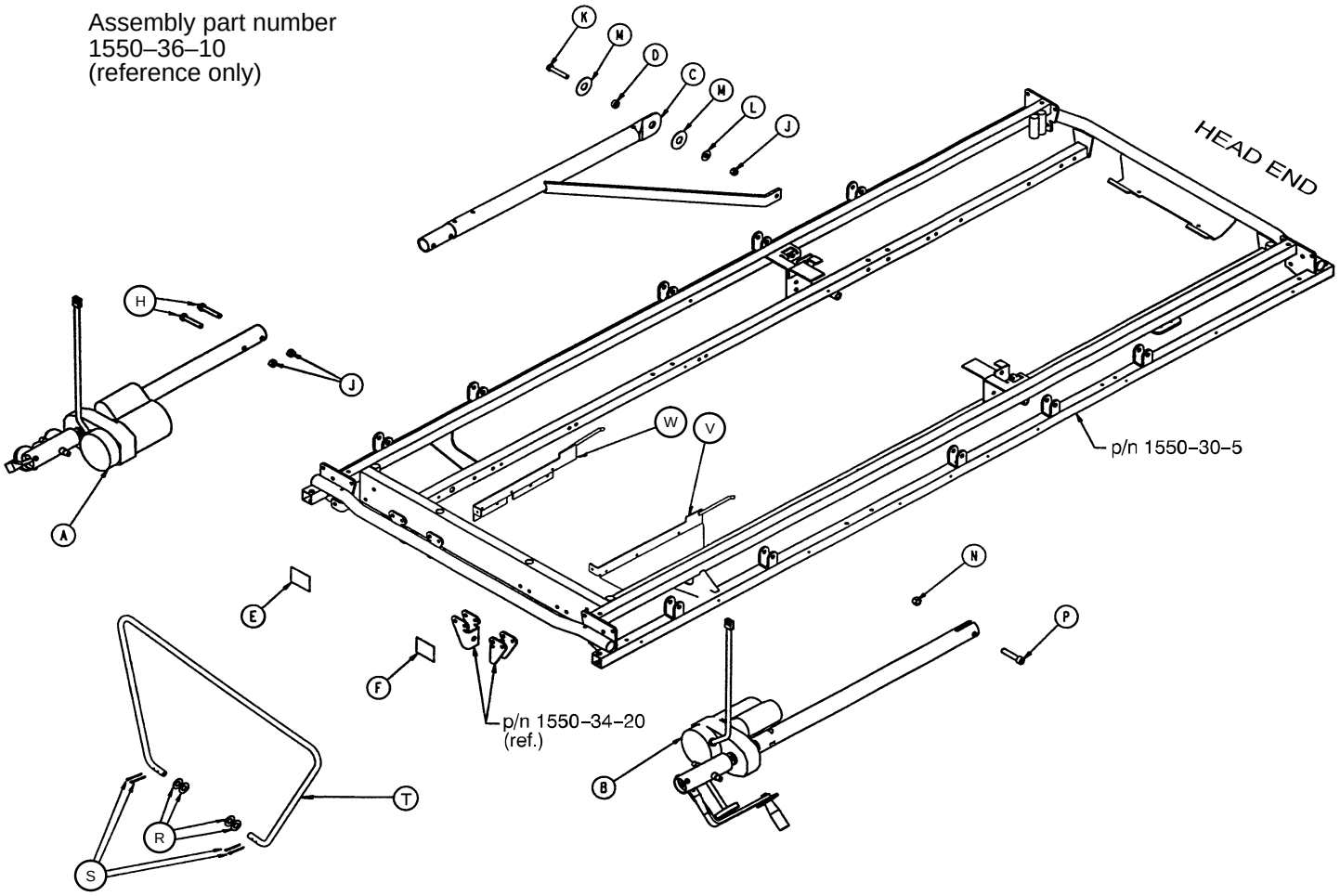
Assembly part number 1550–26–17



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

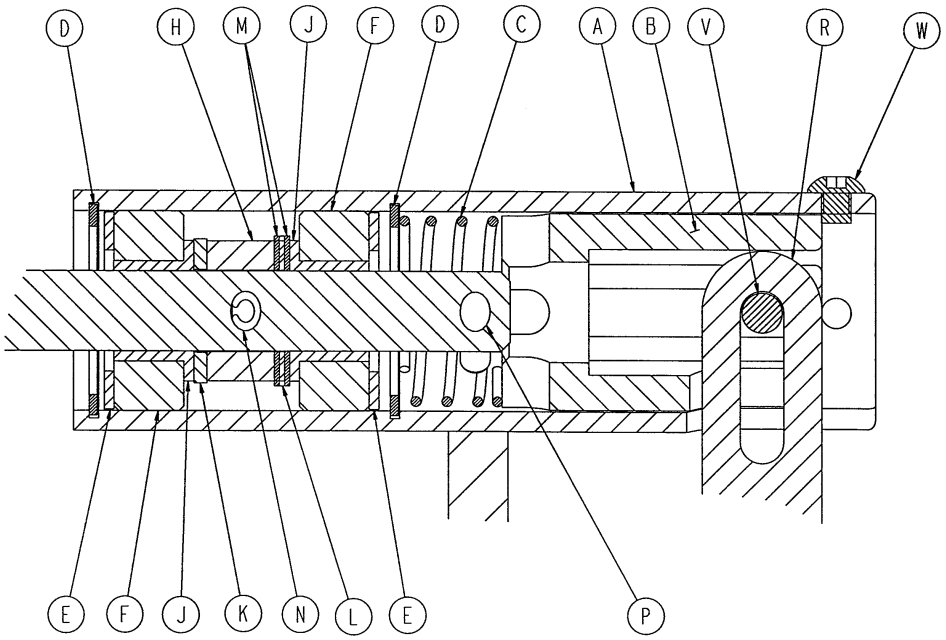
Non–Quick Drop Fowler & Gatch Assembly

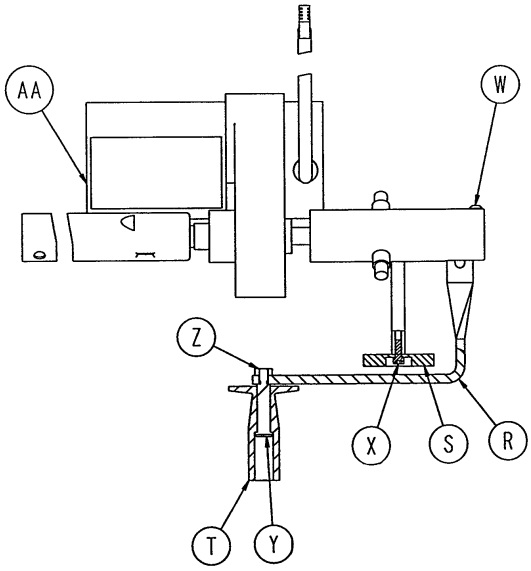
Assembly part number
1550–36–10
(reference only)



Item	Part No.	Part Name	Qty.
A	(page 75)	Fowler Crankscrew Ass'y	1
B	(page 76)	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

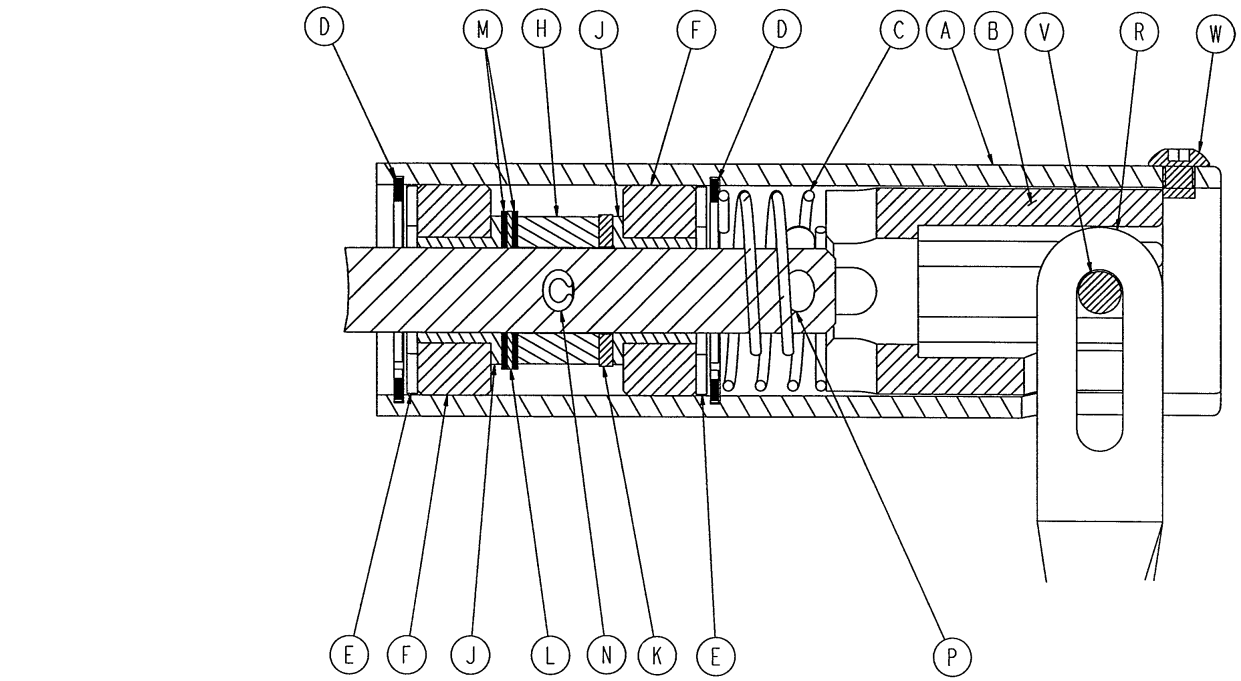
1550–233–30 Fowler Crankscrew Ass’y, Non–Q. Drop

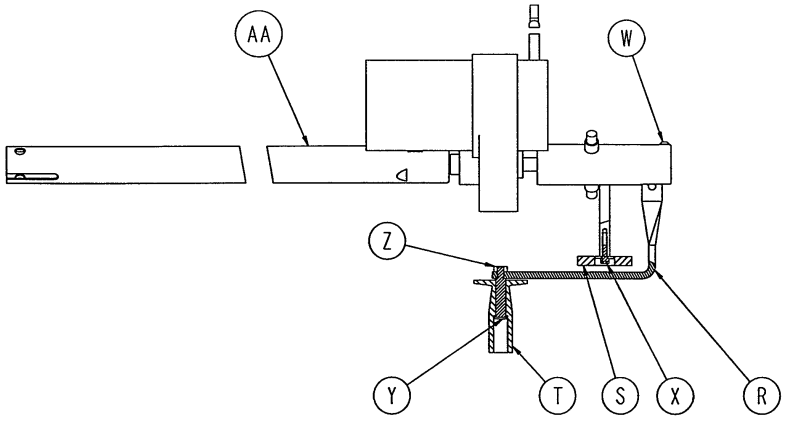




Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550–34–13	Crk/Coupler Hsg. Ass’y, Rt.	1	N	26–149	Roll Pin	1
B	1550–34–1	Crank Coupler	1	P	26–179	Spiral Pin	1
C	38–286	Compression Spring	1	R	1550–1–16	Crank Handle	1
D	28–299	Snap Ring	2	S	1550–1–14	Magnet	1
E	81–174	Washer	2	T	1550–1–19	Crank 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

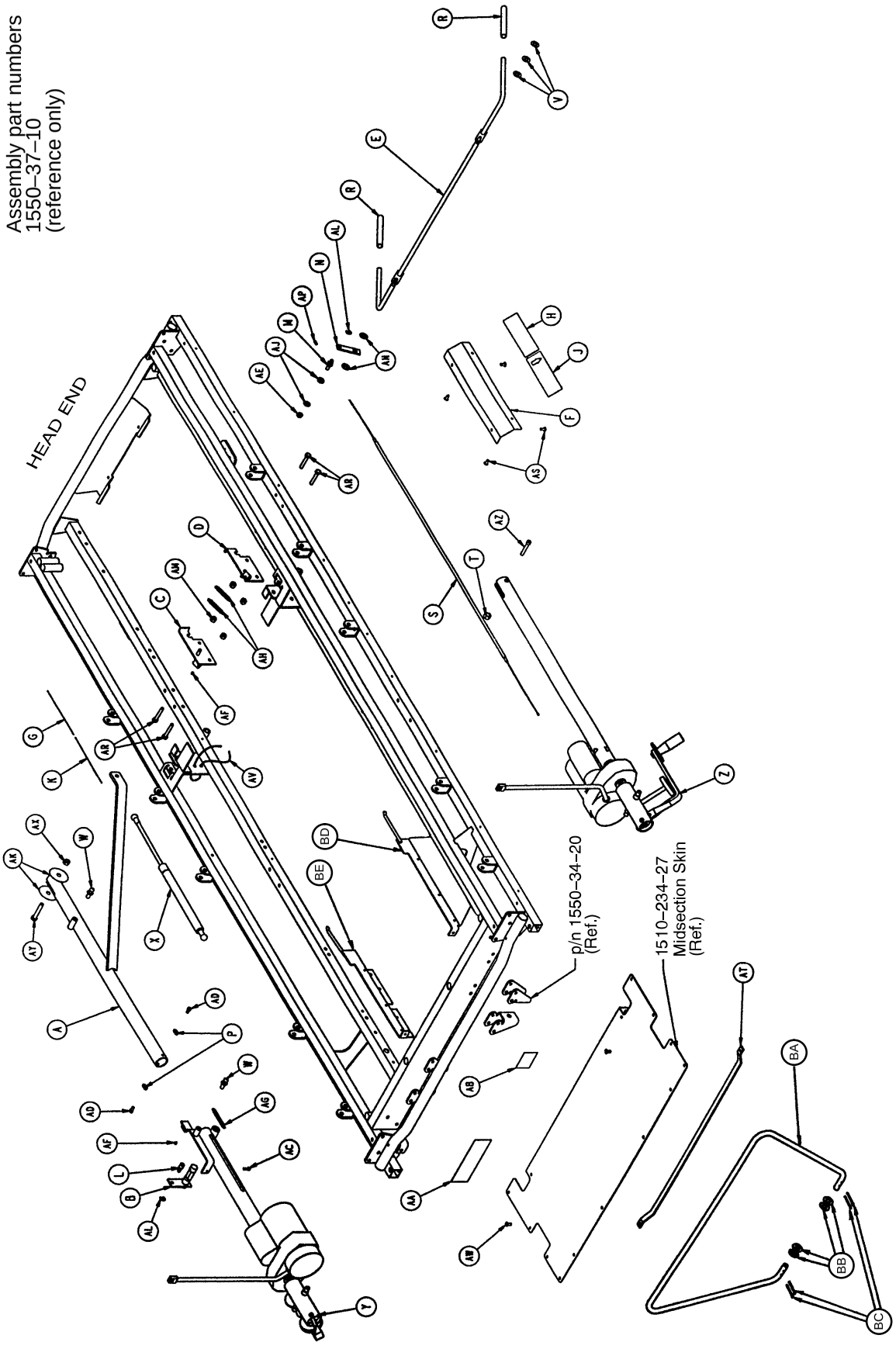




Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1550–34–14	Crk/Coupler Hsg. Ass’y, Lt.	1	N	26–149	Roll Pin	1
B	1550–34–1	Crank Coupler	1	P	26–179	Spiral Pin	1
C	38–286	Compression Spring	1	R	1550–1–16	Crank Handle	1
D	28–299	Snap Ring	2	S	1550–1–14	Magnet	1
E	81–174	Washer	2	T	1550–1–19	Crank 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

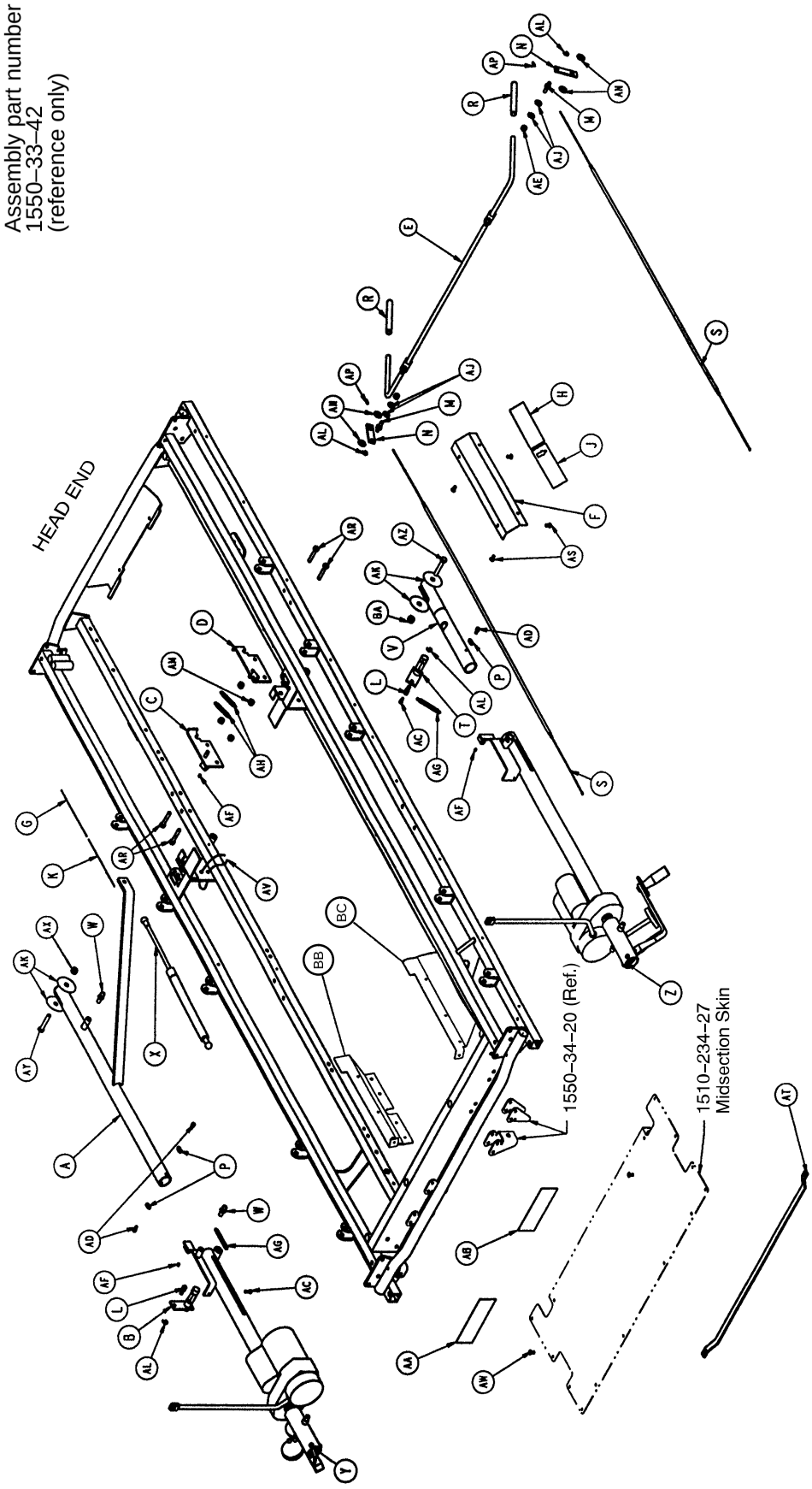
Fowler Only Quick Drop Assembly



Fowler Only Quick Drop Assembly

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 82)	Fowler Crankscrew Ass'y	1
Z	(page 76)	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

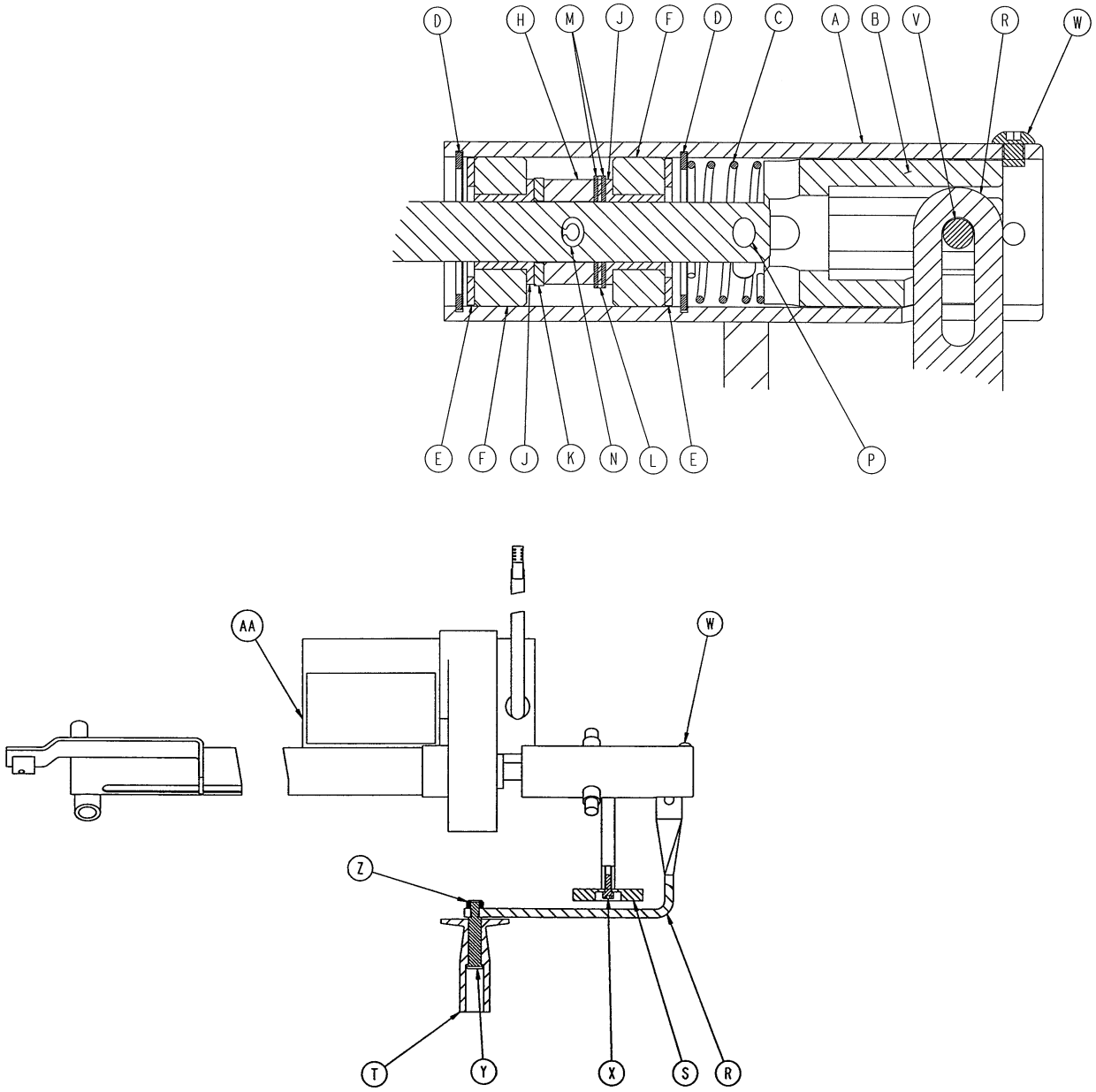
Quick Drop Fowler & Gatch Assembly



Quick Drop Fowler & Gatch Assembly

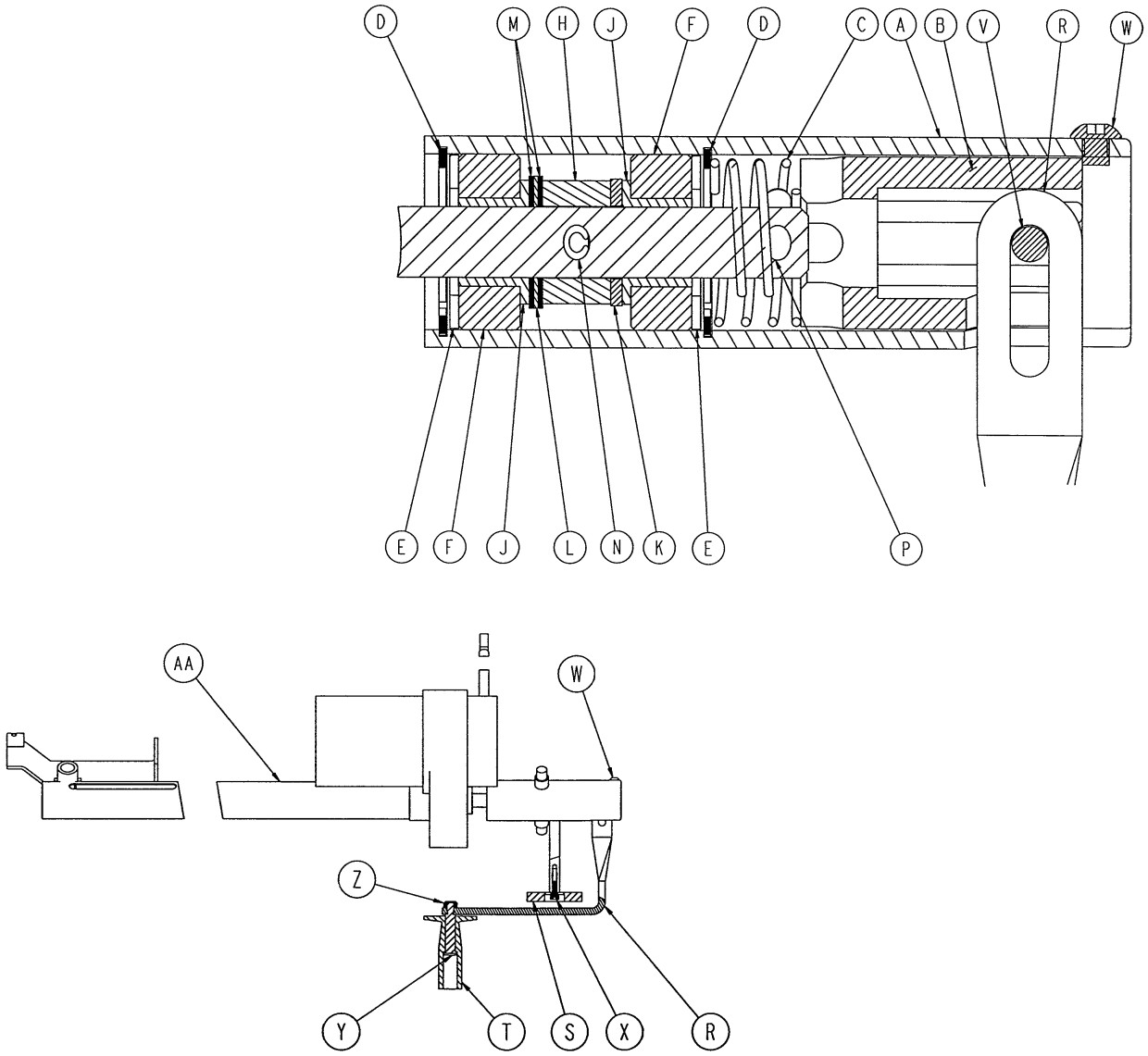
Item	Part No.	Part Name	Qty.
A	1550–33–28	Drive Bar Weldment	1
B	1550–33–14	Fowler Crkscr. Detent Ass'y	1
C	1550–33–25	Quick Drop Brkt. Ass'y, Rt.	1
D	1550–33–26	Quick Drop Brkt. Ass'y, Lt.	1
E	1550–33–19	Release Arm Weldment	1
F	1550–33–20	Handle Guard	2
G	1550–33–36	Right Release Label	1
H	1550–33–37	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 82)	Fow. Ckscr. Ass'y, w/ Act.	1
Z	(page 83)	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

1550–33–30 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	28–299	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

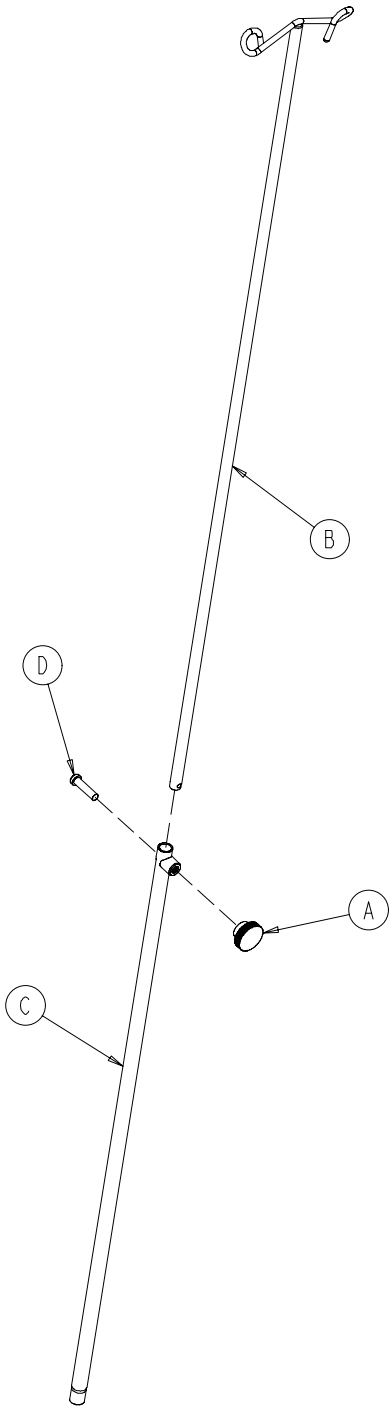
1550–34–5 Gatch Crankscrew Assembly, Quick Drop



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	28–299	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

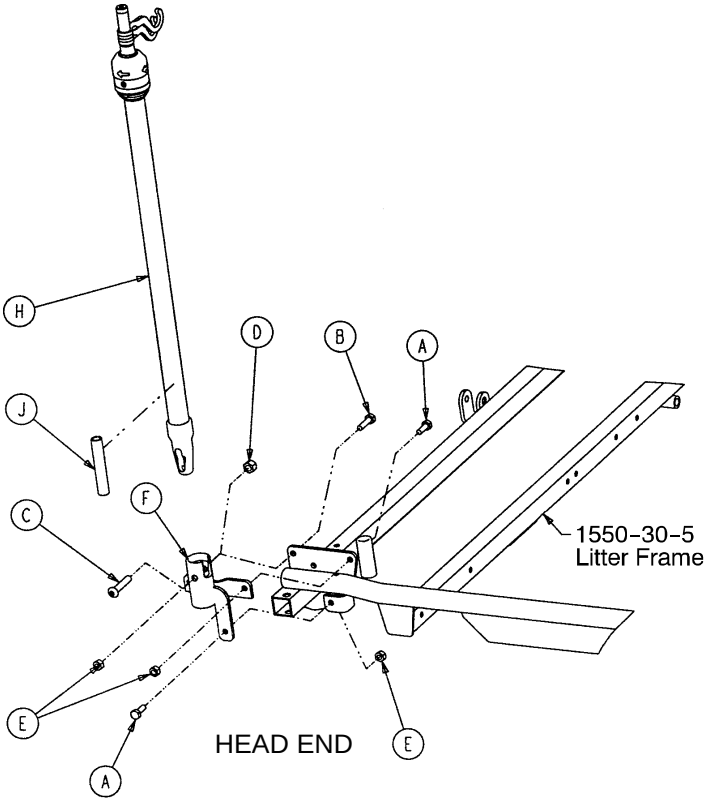
390–25 Standard, Removable I.V. Pole Assembly

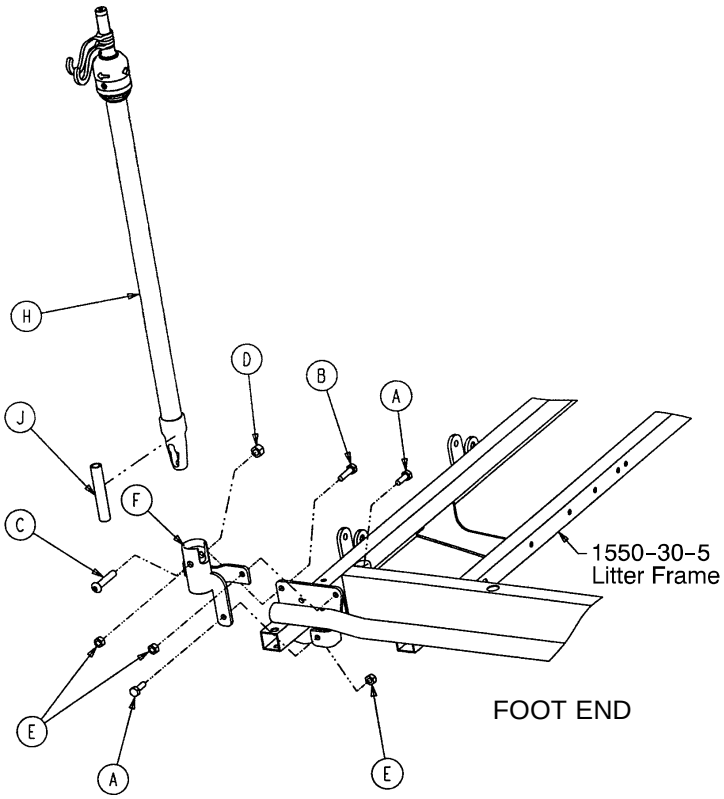
Item	Part No.	Part Name	Qty.
A	24–23	Plastic Knob	1
B	390–3–53	Double I.V. Ass'y	1
C	393–3–43	Tube Assembly	1
D	4–496	Soc. Hd. Cap Screw	1



Optional 2–Stage I.V. Pole Mounting Assembly

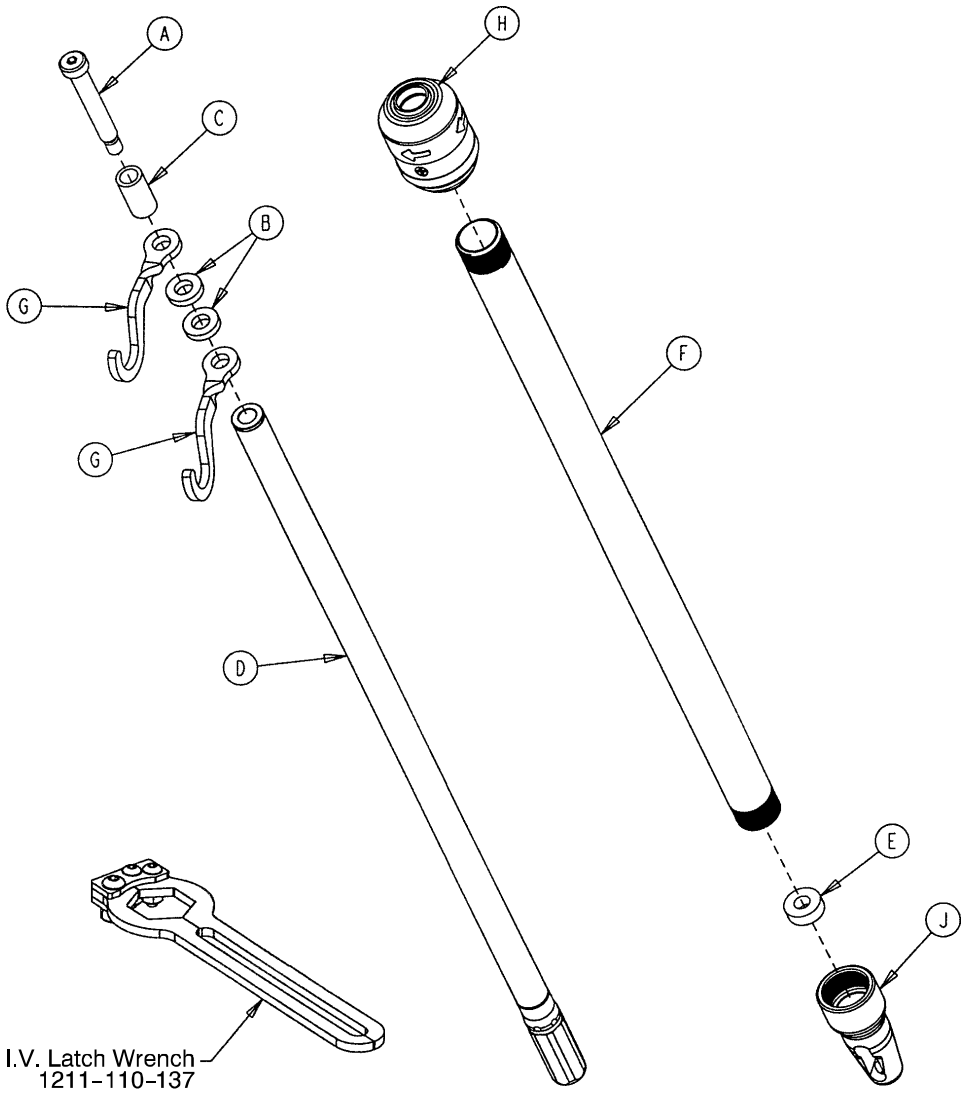
Assembly part numbers
1510–280 (Foot End)
1510–281 (Head End)





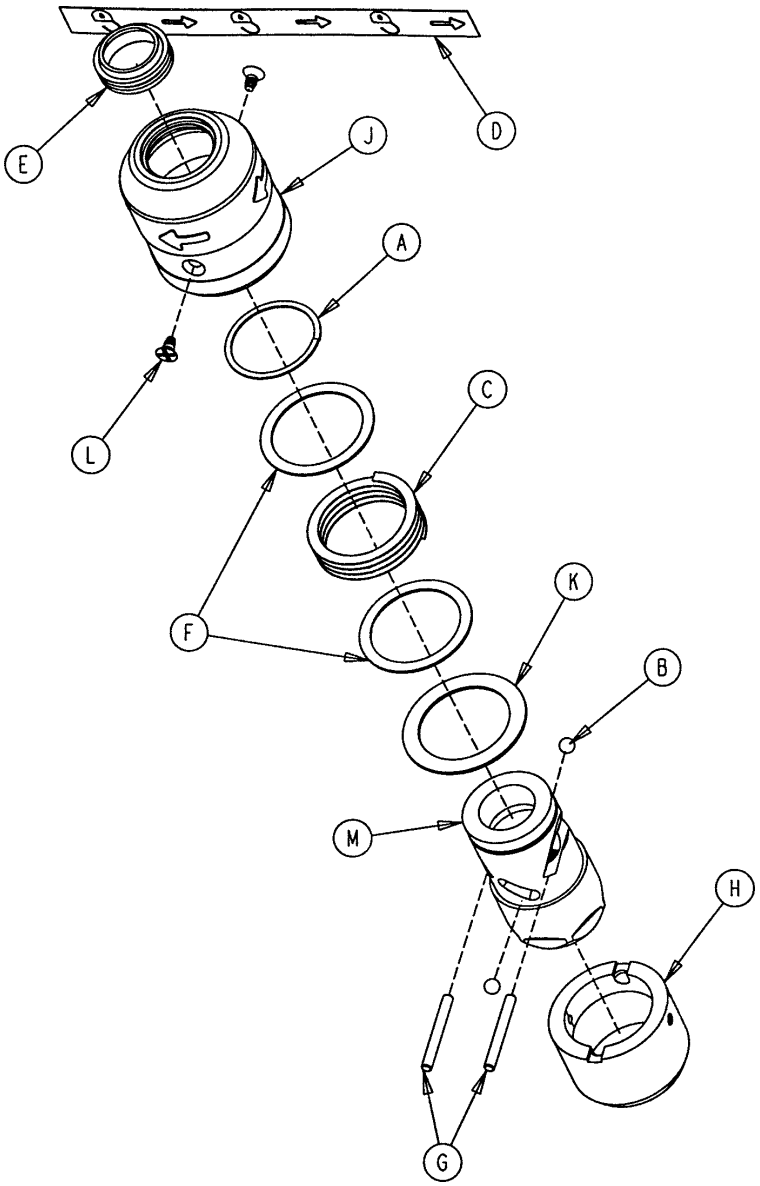
Item	Part No.	Part Name	Qty.
A	3–356	Hex Hd. Cap Screw	2
B	3–357	Hex Hd. Cap Screw	1
C	4–452	But. Hd. Cap Screw	1
D	16–116	Flexlock Nut	1
E	16–118	Nyock Nut	3
F	1001–259–103	I.V. Pivot	1
H	(page 86)	I.V. Pole Assembly	1
J	1501–127–19	I.V. Plug	1

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	1211–210–29	2nd Stage Assembly	1
E	1001–359–13	Dampener	1
F	1001–159–28	Base Tube	1
G	1010–259–16	I.V. Hook	2
H	(page 87)	I.V. Pole Latch	1
J	1001–359–112	Pivot	1

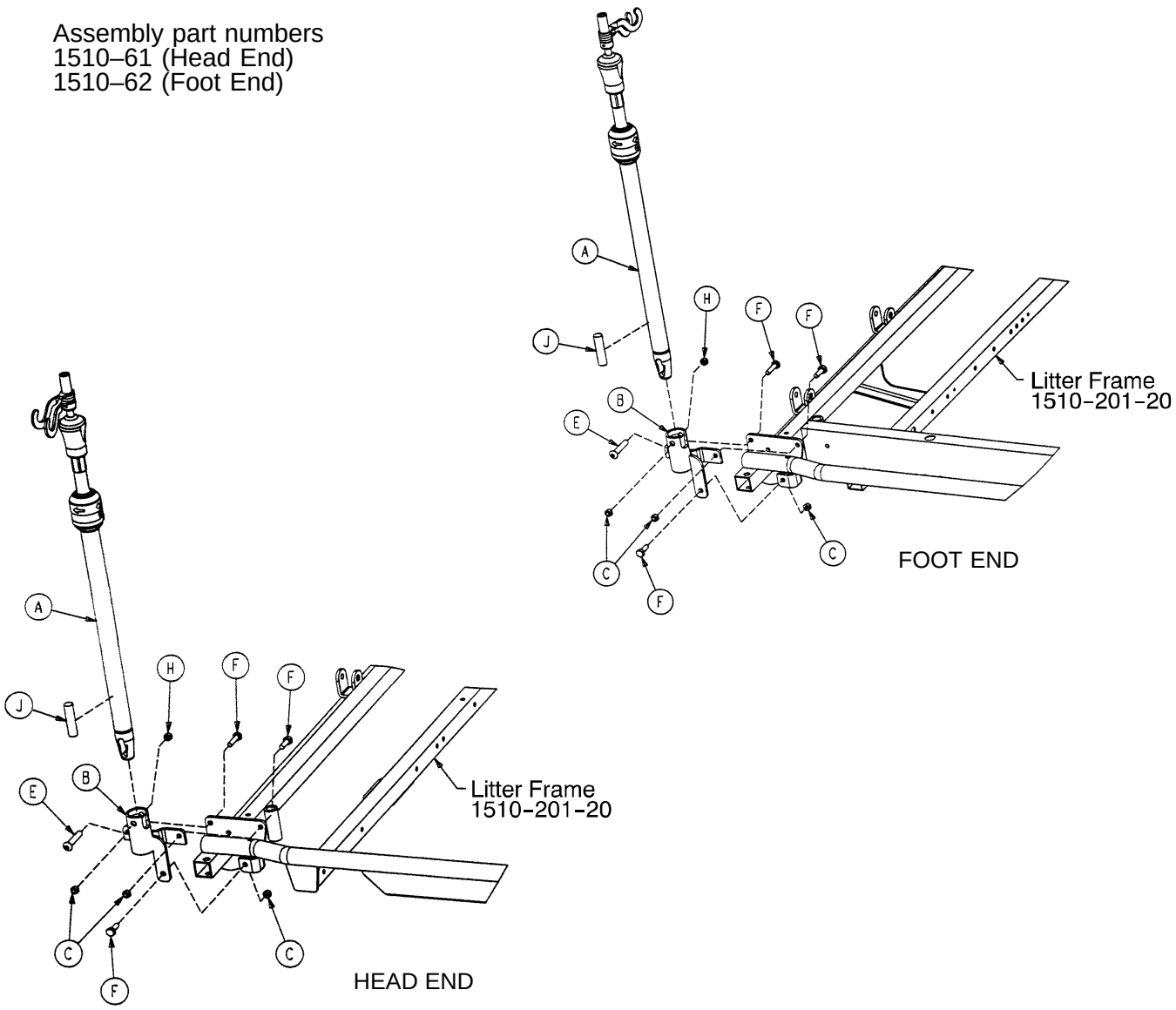
1211–210–26 Optional I.V. Pole Latch Assembly



Item	Part No.	Part Name	Qty.
A	28–167	Retaining Ring	1
B	31–4	Steel Ball	2
C	38–392	Crest–to–Crest Spring	1
D	1211–91–34	Release Label	1
E	1211–110–18	I.V. Latch Seal	1
F	1211–110–20	Washer	2
G	1211–110–21	I.V. Latch Locking Pin	2
H	1211–110–22	I.V. Latch Guide	1
J	1211–110–24	I.V. Latch O.D. Housing	1
K	1211–110–35	Washer	1
L	1211–110–36	Self–Tapping Screw	2
M	1211–210–23	I.V. Latch I.D. Housing	1

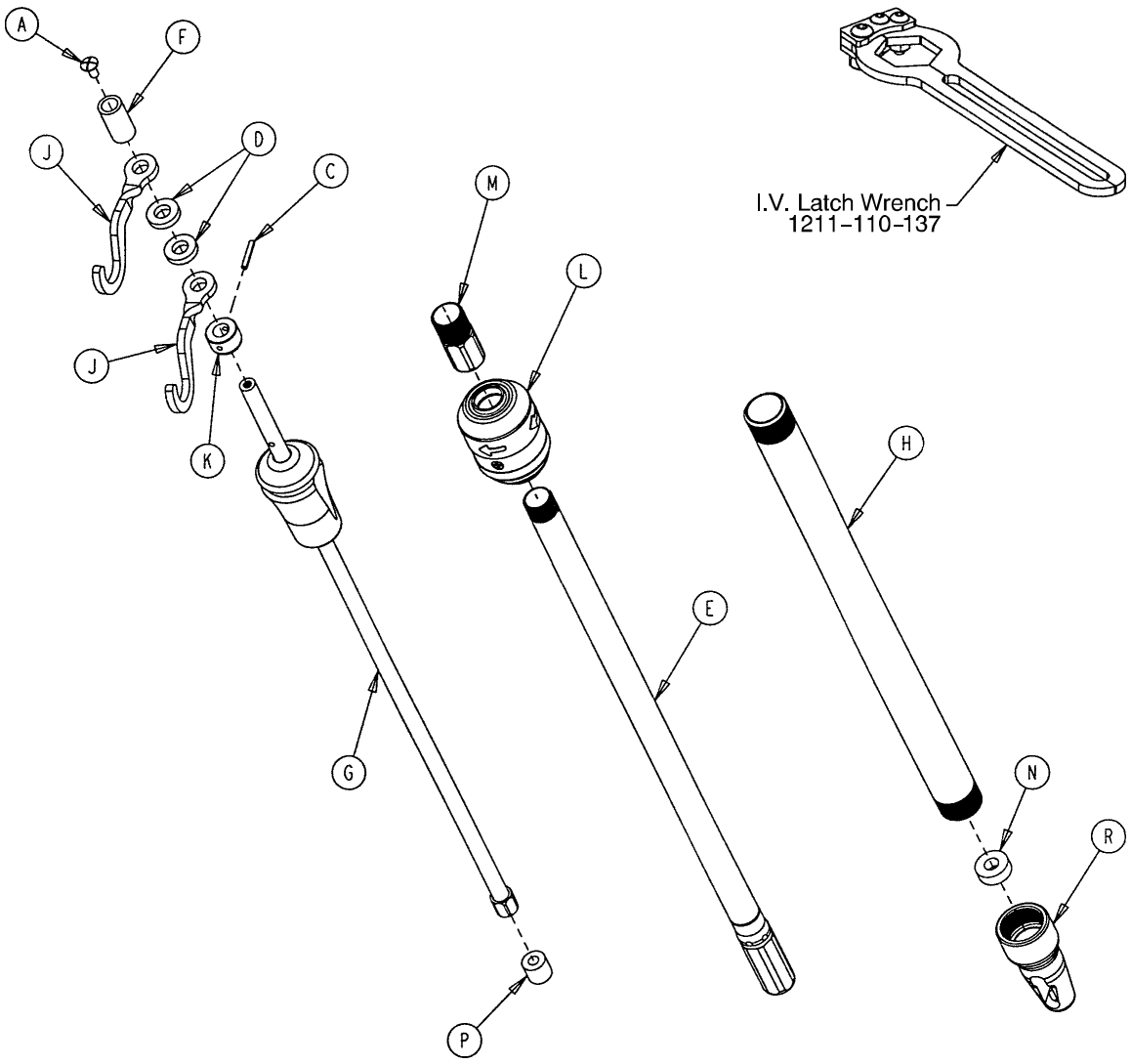
Optional 3–Stage I.V. Mounting Assembly

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



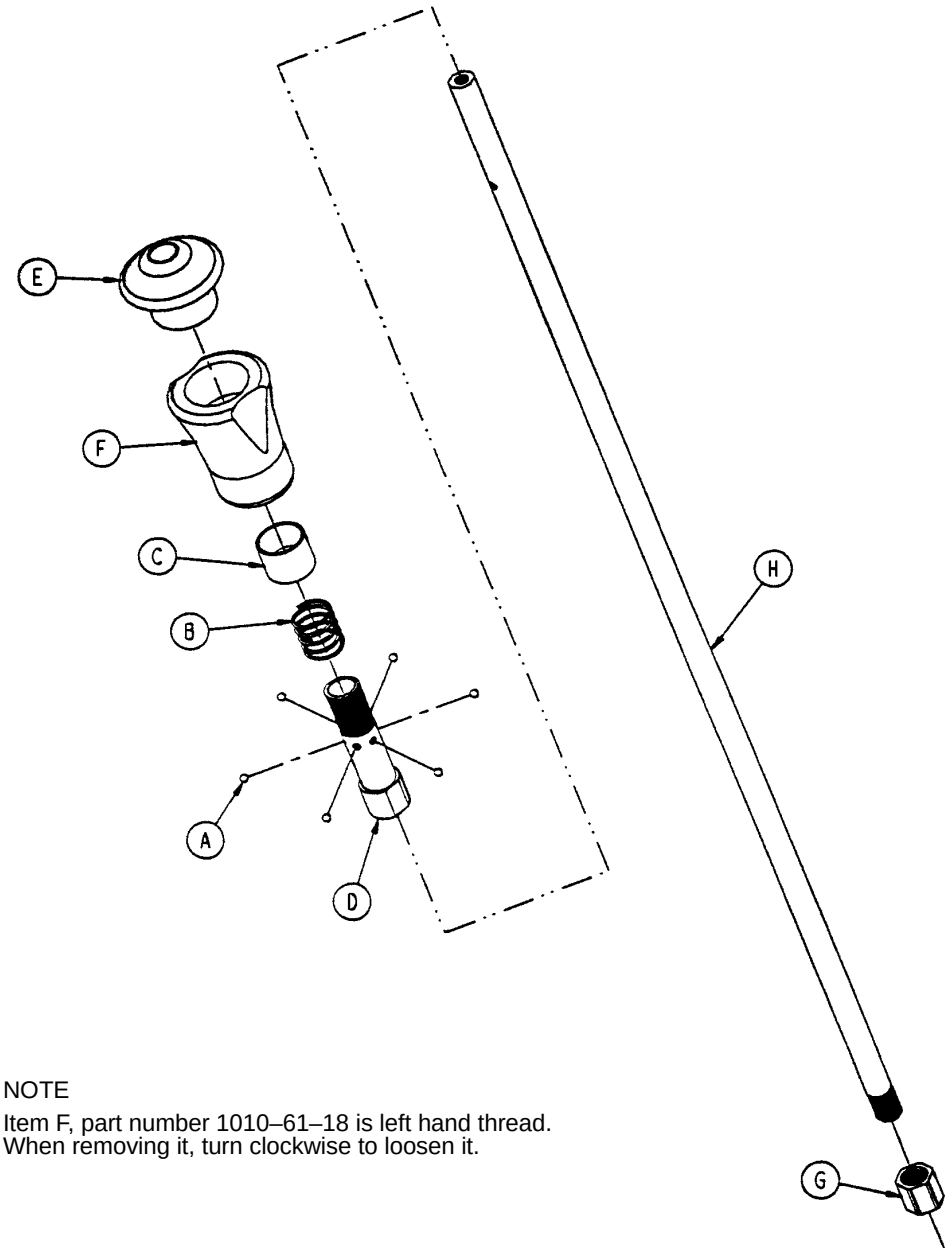
Item	Part No.	Part Name	Qty.
A	(page 89)	I.V. Pole Assembly	1
B	1001–259–103	I.V. Pivot	1
C	16–28	Fiberlock Nut	3
E	4–199	But. Hd. Cap Screw	1
F	3–50	Hex Hd. Cap Screw	3
H	16–11	Flexlock Nut	1
J	1001–59–42	I.V. Plug	1

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	26–76	Roll Pin	1
D	52–17	Spacer	2
E	1211–210–31	2nd Stage Assembly	1
F	926–400–162	Spacer	1
G	(page 90)	3rd Stage Assembly	1
H	1001–161–23	Base Tube	1
J	1010–259–16	I.V. Hook	2
K	1010–61–14	Collar	1
L	(page 87)	I.V. Pole Latch	1
M	1211–110–16	Threaded Adaptor	1
N	1001–359–13	Dampener	1
P	1001–359–14	Dampener	1
R	1001–359–112	Pivot	1

1211–110–32 Optional 3rd Stage Assembly

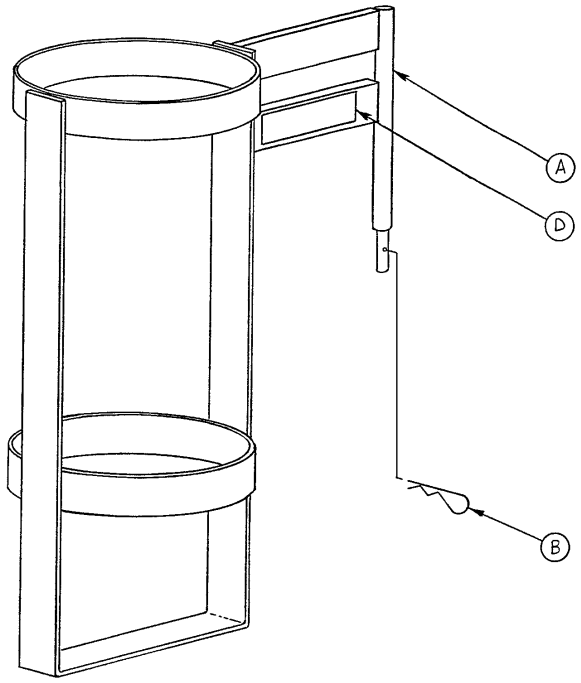


NOTE

Item F, part number 1010–61–18 is left hand thread. When removing it, turn clockwise to loosen it.

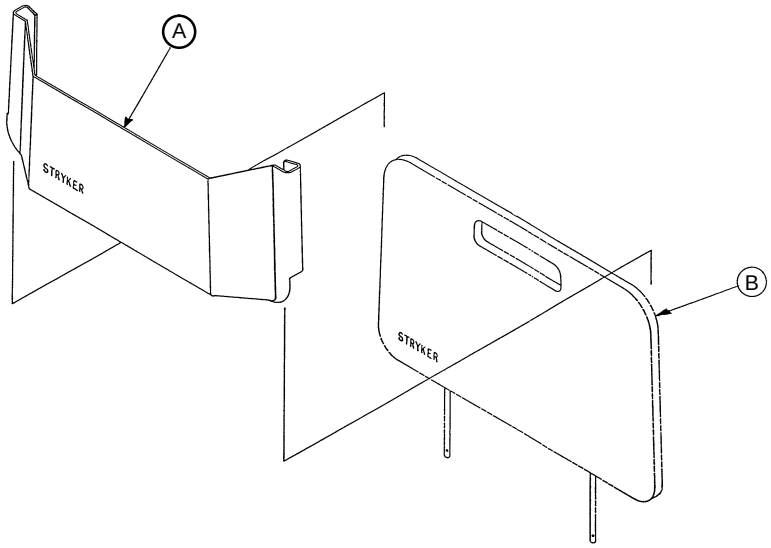
Item	Part No.	Part Name	Qty.
A	31–21	Ball	6
B	38–303	Compression Spring	1
C	1010–61–13	Ball Retainer	1
D	1010–61–16	Retaining Shaft	1
E	1010–61–17	Thumb Knob	1
F	1010–61–18	Hand Guard	1
G	1211–110–17	Nut	1
H	1211–110–33	3rd Extension Rod	1

1020–30 Optional Upright Oxygen Bottle Holder Ass’y



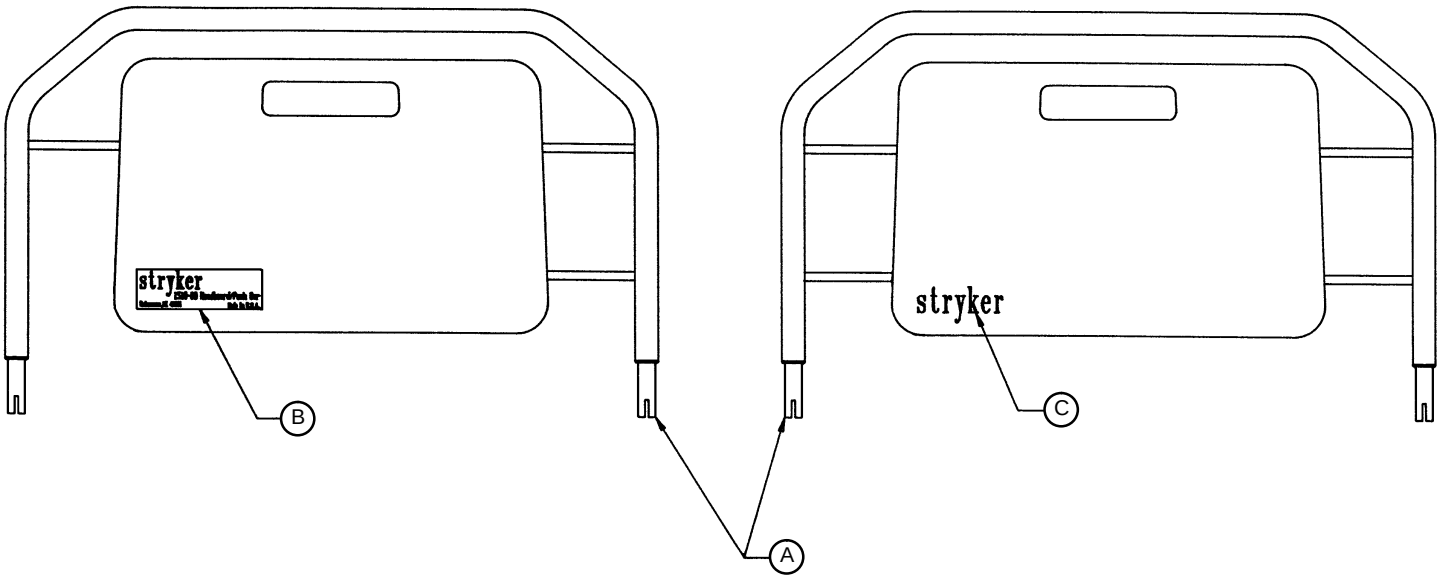
Item	Part No.	Part Name	Qty.
A	1020–30–11	Upright Bottle Holder	1
B	27–12	Cotter Pin	1
D	1020–30–17	Specification Label	1

926–40–100 Optional Foot Board/Chartholder Ass’y



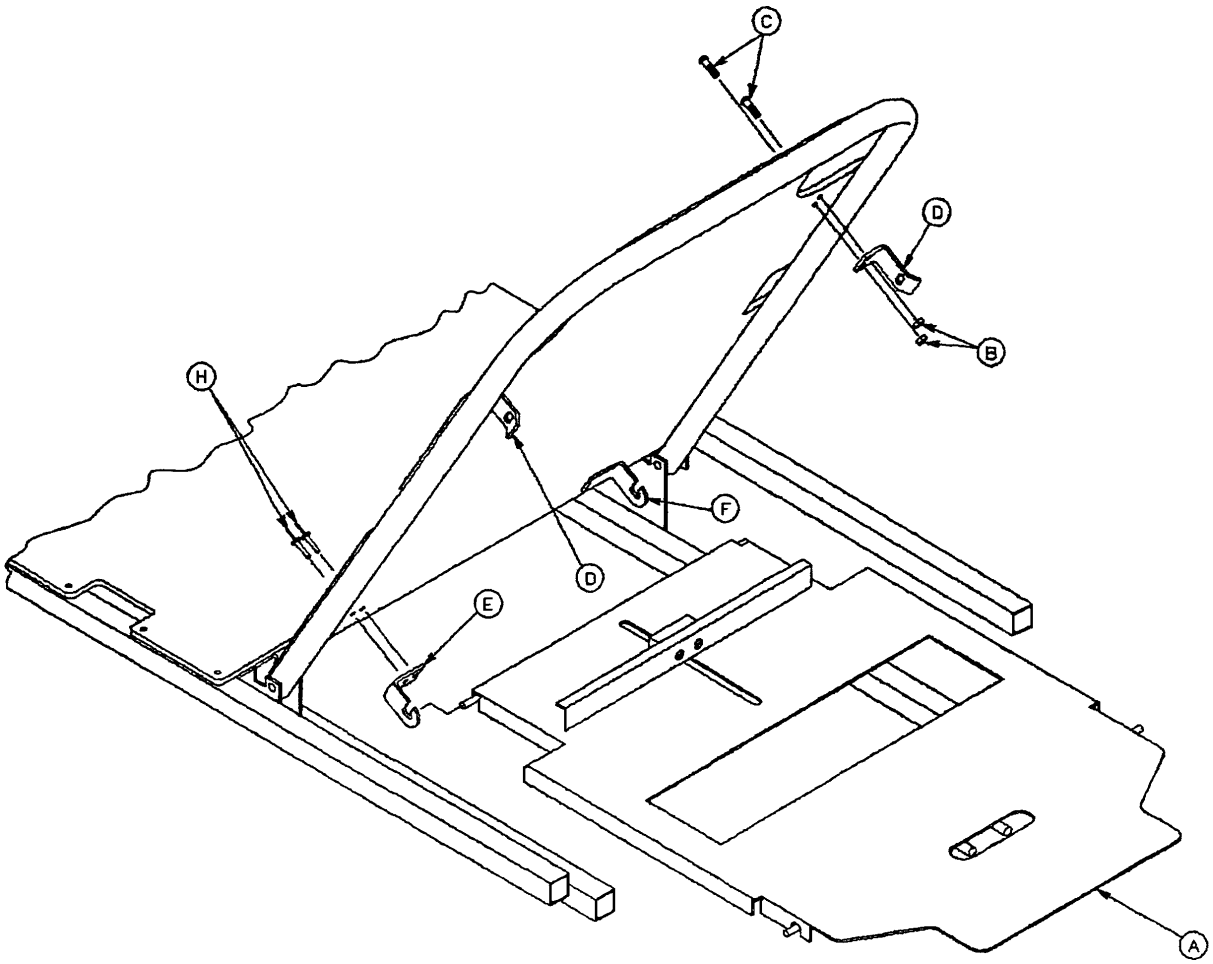
Item	Part No.	Part Name	Qty.
A	946–28–100	Chart Holder	1
B	946–29–1	Foot Board	1

1510–289 Optional Head Board/Push Bar Assembly



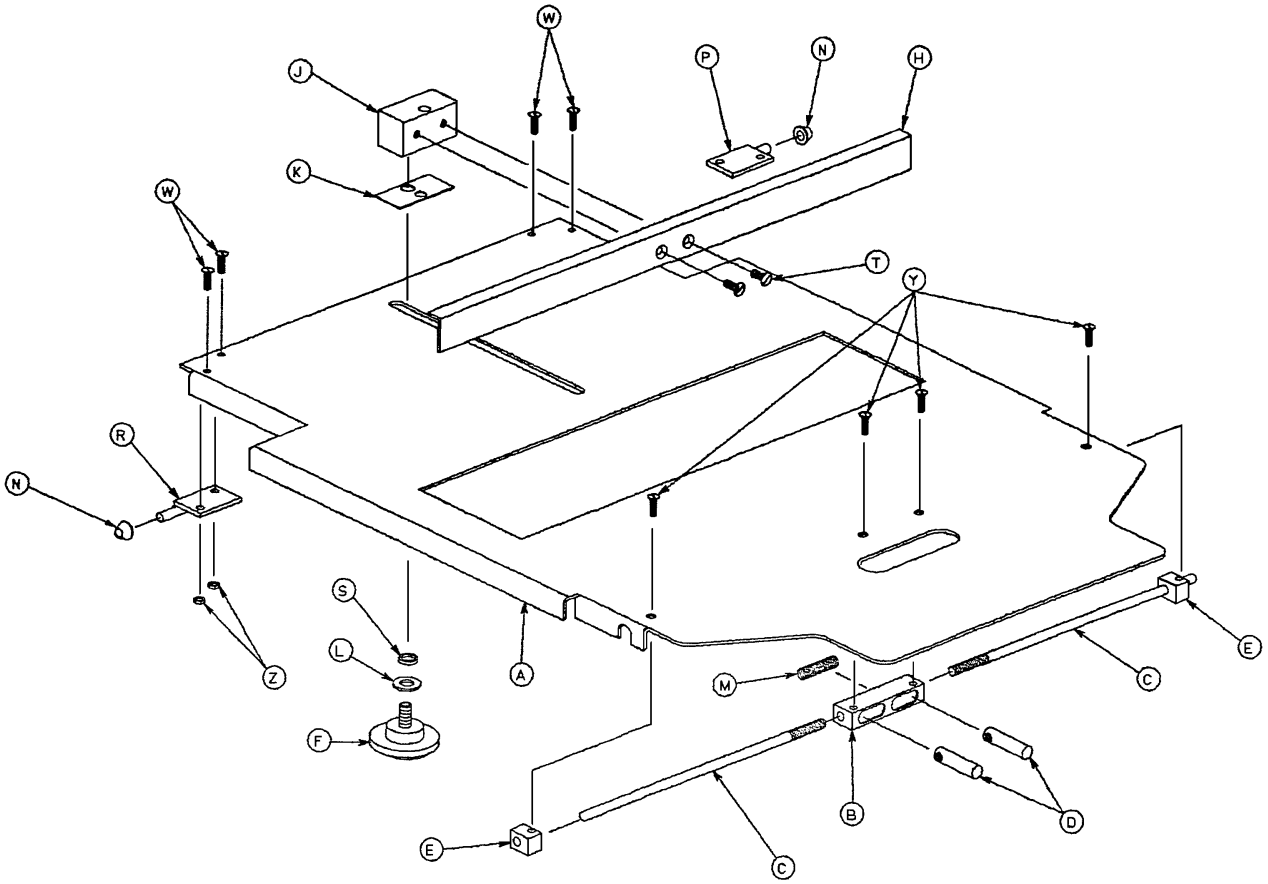
Item	Part No.	Part Name	Qty.
A	1510–289–10	Head Board/Push Bar	1
B	1510–289–17	Specification Label	1
C	946–1–73	Stryker Logo Label	1

1001–23 Optional X–Ray Cassette Mounting Assembly



Item	Part No.	Part Name	Qty.
A	(page 94)	X–Ray Cassette Ass'y	1
B	16–121	Self–Locking Nut	4
C	4–456	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	25–86	Pop Rivet	4

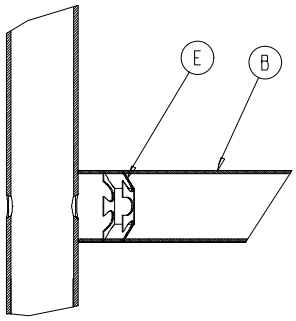
1001–23–10 Optional Fowler X–Ray Cassette Ass'y



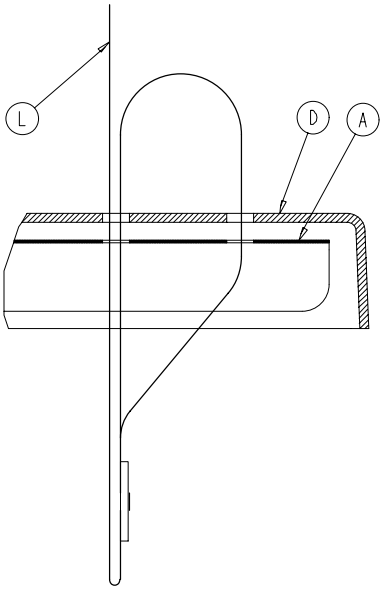
Item	Part No.	Part Name	Qty.
A	1001–23–12	Tray	1
B	1020–23–16	Post Housing	1
C	1001–23–14	Actuating Rod	2
D	926–23–64	Post	2
E	1010–23–37	Rod Guide	2
F	1020–23–21	Knob	1
H	1010–23–28	Tray Angle	1
J	926–23–70	Block Assembly	1
K	926–23–69	Washer	1
L	14–3	Washer	1
M	38–122	Compression Spring	1
N	1020–23–26	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

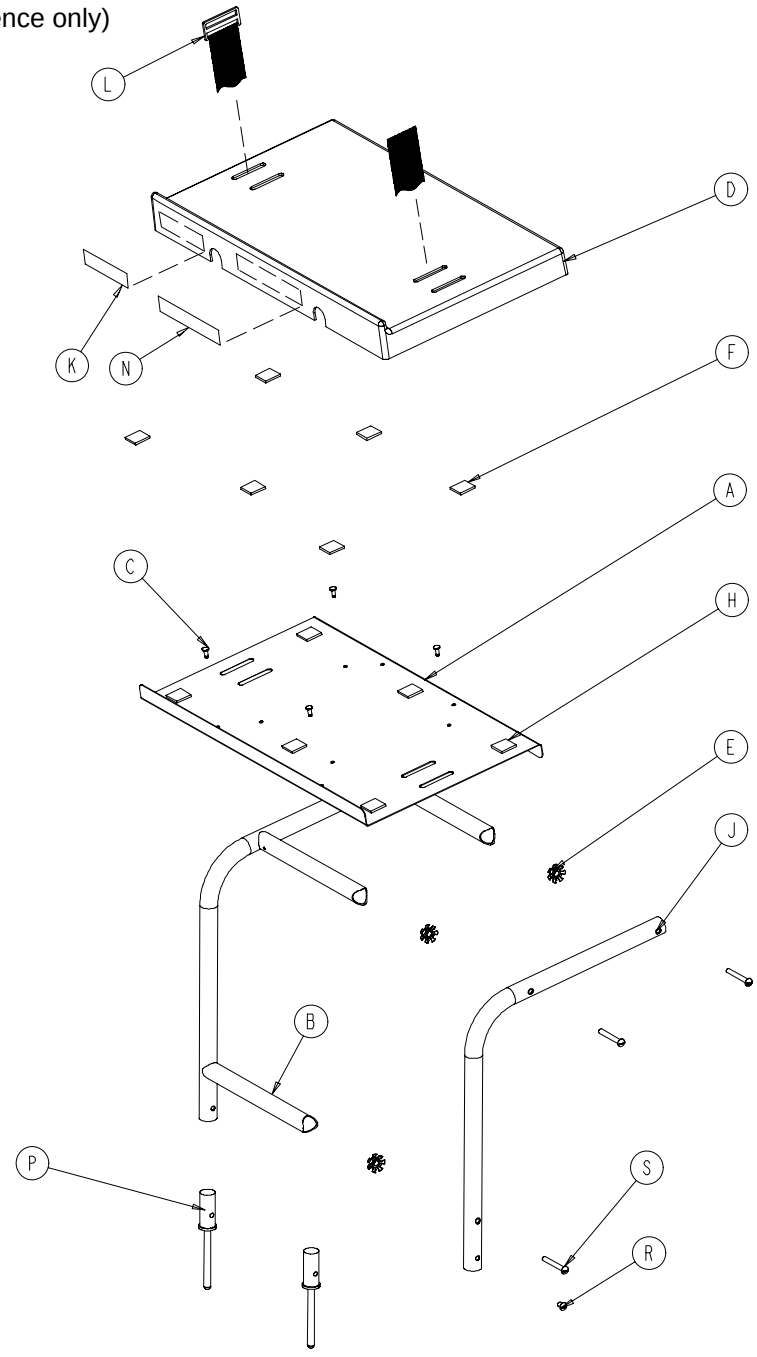
Assembly part number 926–39–10 (reference only)



Umbrella Nut/Crosstube Detail

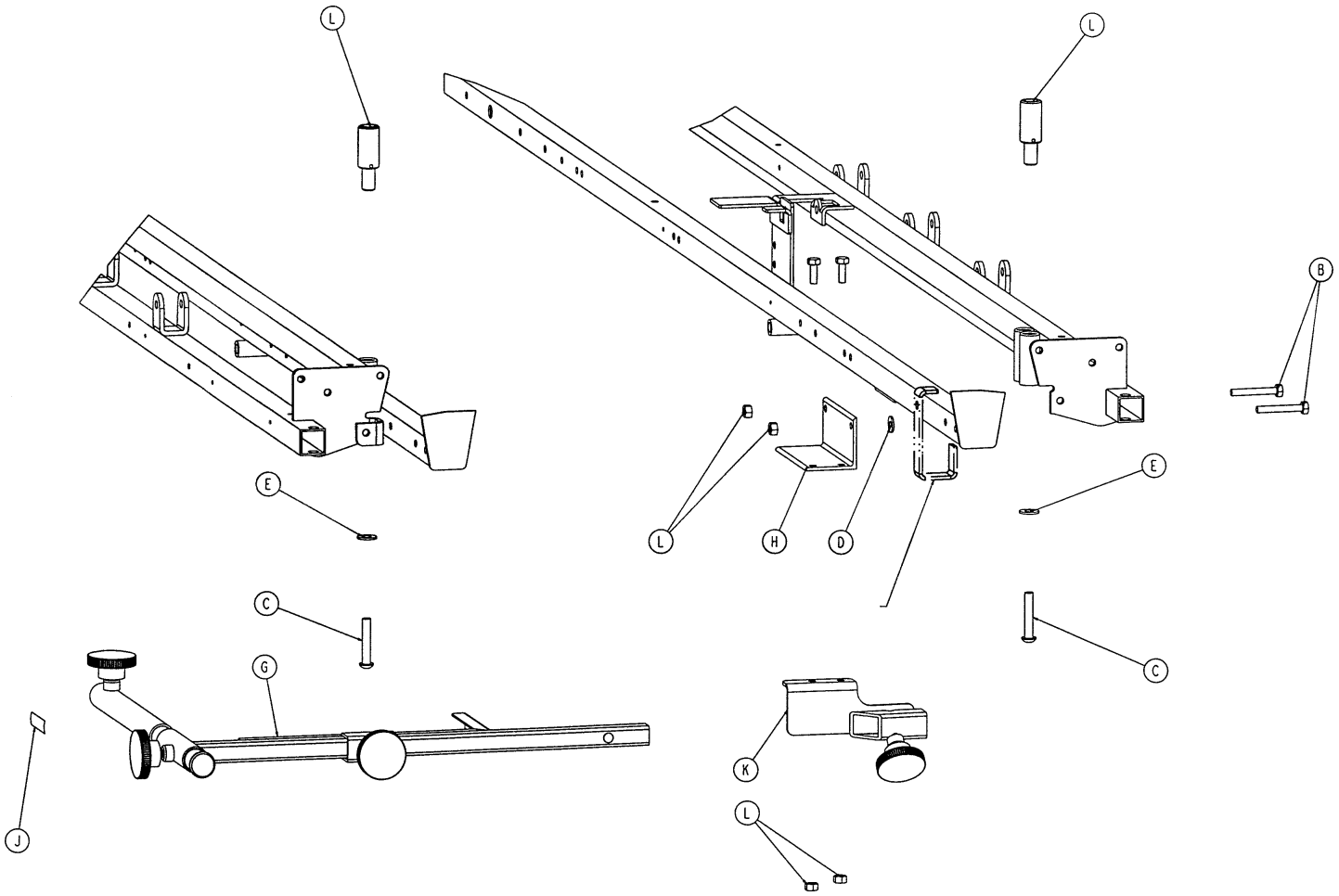


Strap Securing Detail



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	946–39–4	Tray	1	J	946–39–3	Support Tube	2
B	926–39–16	Crosstube	3	K	926–1–82	Label	1
C	25–55	Rivet	4	L	1010–50–21	Long 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	29–8	Dual Lock	6	R	2–44	Screw	2
H	29–10	Dual Lock	6	S	2–105	Rd. Hd. Mach. Screw	6

1550–70–101 Optional C–Spine Cassette Holder Ass’y

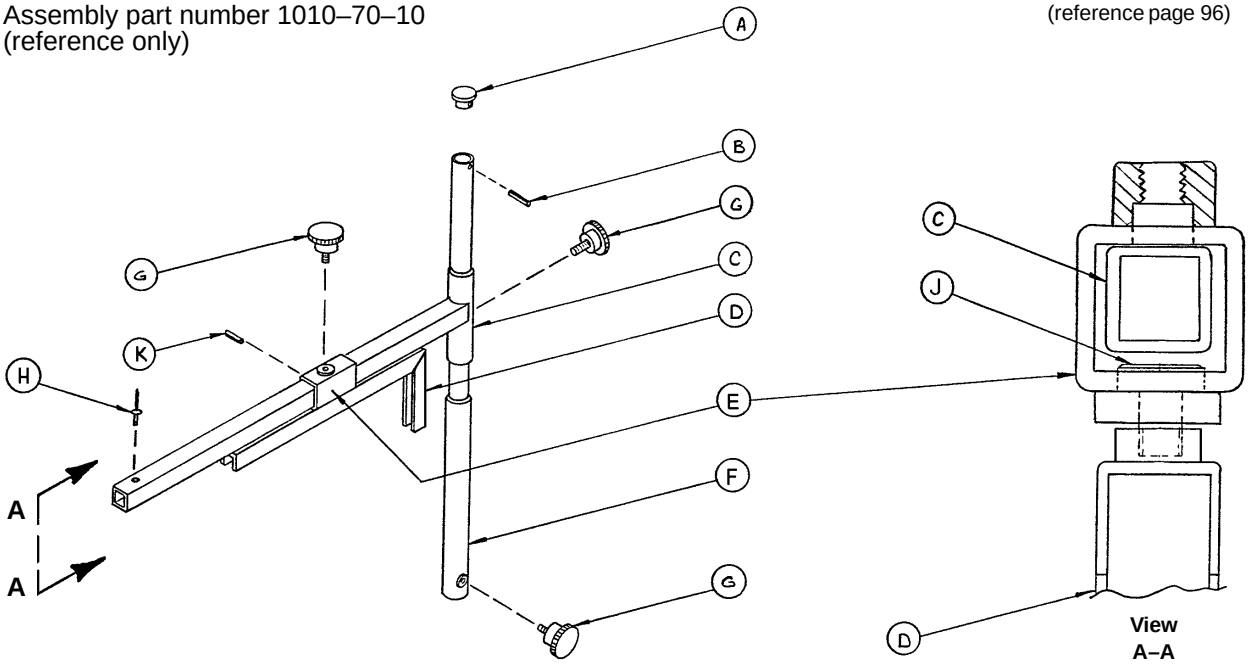


Item	Part No.	Part Name	Qty.
A	3–356	Hex Hd. Cap Screw	2
B	3–359	Hex Hd. Cap Screw	2
C	4–54	But. Hd. Cap Screw	2
D	11–2	Washer	1
E	11–447	Washer	2
F	16–118	Nylock Nut	4
G	(page 97)	Support Pole Assembly	1
H	1001–70–11	Attachment Bracket	1
J	1550–70–18	Specification Label	1
K	(page 98)	Storage Bracket Ass’y	1
L	1010–70–25	I.V. Adaptor	2

Optional C–Spine Support Pole Assembly

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

(reference page 96)

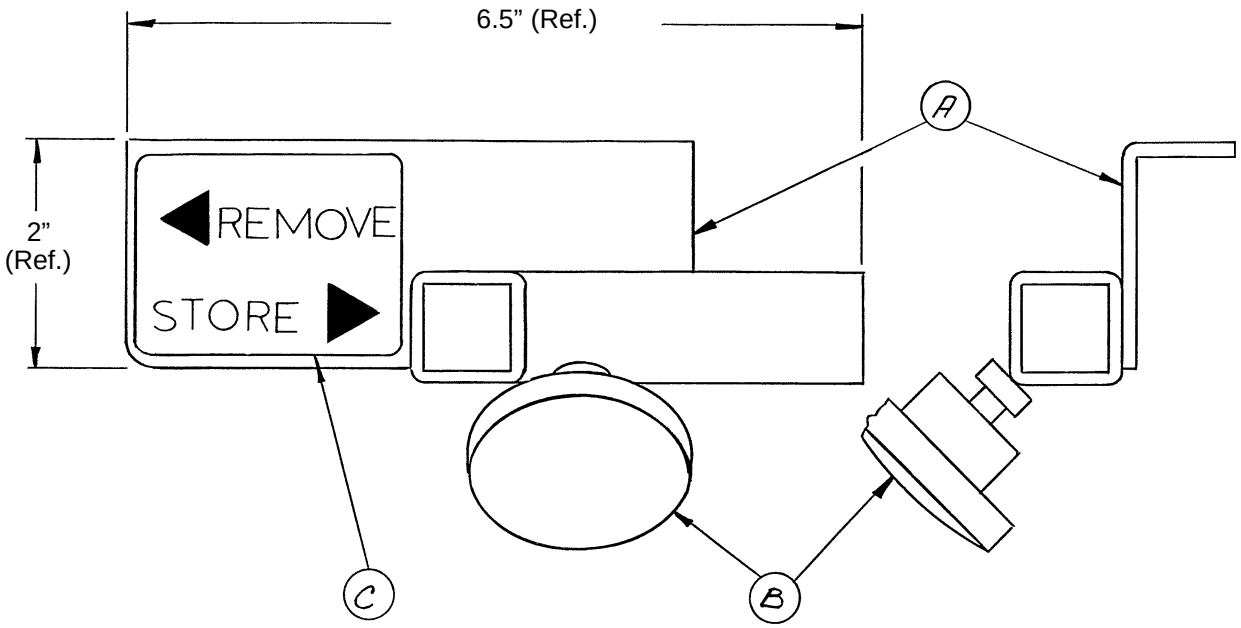


Item	Part No.	Part Name	Qty.
A	1010–70–33	Support Tube Cap	1
B	26–6	Roll Pin	1
C	1010–70–34	Support Arm Weldment	1
D	1010–70–42	Cassette Holder Weldment	1
E	1010–70–50	Adjustment Tube Weldment	1
F	1010–70–30	Base Tube Weldment	1
G	1010–70–45	Knob	3
H	25–55	Pop Rivet	1
J	1010–70–44	Pivot Pin	1
K	26–5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

Optional C–Spine Storage Bracket Assembly

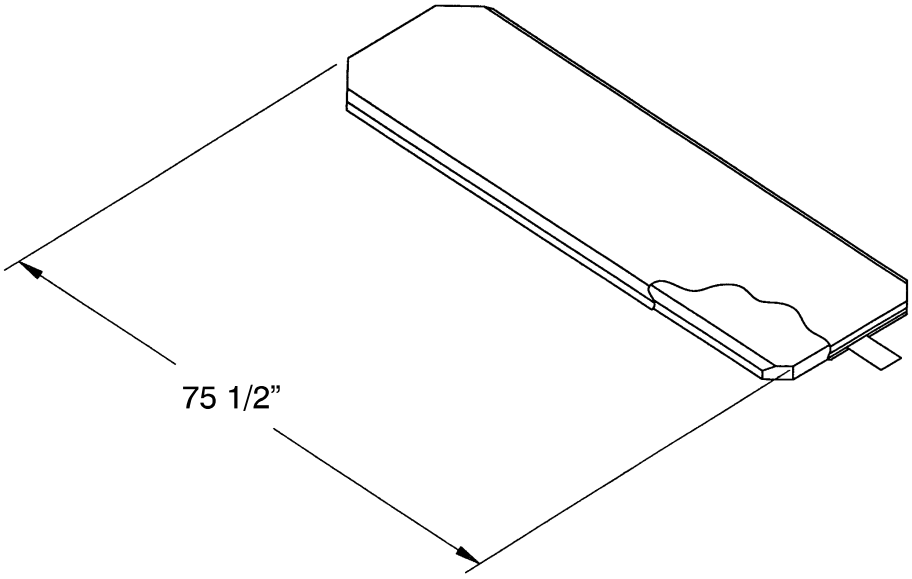
(reference page 96)

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

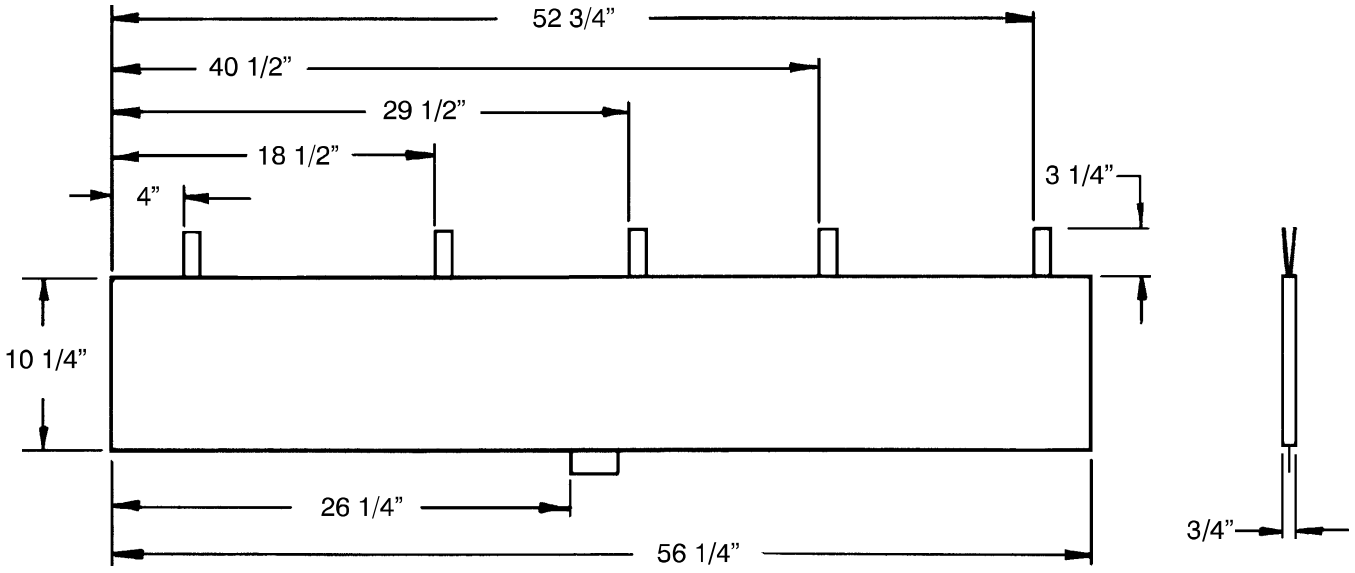


Item	Part No.	Part Name	Qty.
A	1010–70–20	Storage Bracket Weldment	1
B	1010–70–45	Knob	1
C	1010–70–23	Storage Label	1

Mattress and Siderail Pads



Mattress, 4” Thick x 31” Wide . . . . . part # 1550–430–40
Mattress, 4” Thick x 31” Wide, Enhanced Comfort . . . . . part # 1550–40
Mattress, 5” Thick x 31” Wide, Enhanced Comfort . . . . . part # 1550–50



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.

Stryker Medical stretchers are designed for a 10 year expected life under normal use conditions and appropriate periodic maintenance as described in the maintenance manual for each device.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. STRYKER MAKES NO OTHER WARRANTY OR REPRESENTATION, EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL STRYKER BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

To Obtain Parts and Service:

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

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
- Annual 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
- Annual 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

Return Authorization:

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items.

SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.

Damaged Merchandise:

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT. Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

Claims for any short shipment must be made within thirty (30) days of invoice.

International Warranty Clause:

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

European Representative

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