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## **Thermaltek Series**

**1030 Emergency Care Warming Stretcher**

**1530 PACU Warming Stretcher**

### **MAINTENANCE MANUAL**

**For Parts or Technical Assistance**

**1-800-327-0770**

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## INTRODUCTION

This manual is designed to assist you with the operation and maintenance of the 1030 Thermaltek Series Emergency Care Stretcher and the 1530 Thermaltek Series PACU Bed. All procedures referring to the stretcher litter maintenance also apply to the 1031 and the 1531 Warming Litters. Read the manual thoroughly before using the equipment or beginning any maintenance on it.

## SPECIFICATIONS

Maximum Weight Capacity	500 pounds
Overall Bed Length \ Width	83" \ 34"
Minimum \ Maximum Bed Height	22" \ 35.5"
Fowler Angle	0 to 90 degrees
Knee Gatch Angle	0 to 35 degrees
Trendelenberg \ Reverse Trendelenberg	+15 to -18 degrees
Electrical Requirements	110 VAC, 60 Hz, 8.0 Amp

## WARNING / CAUTION / NOTE DEFINITION

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

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### WARNING

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

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### CAUTION

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

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### NOTE

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

# Preventative Maintenance

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## CLEANING

1. Hand wash all surfaces of the bed with warm water and mild detergent. Dry thoroughly.
2. 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.)

## NOTE

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.

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## CAUTION

Do not steam clean or hose off the Thermaltek Series Warming 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.

## BIANNUAL CHECKLIST

- \_\_\_\_\_ All fasteners secure (reference all assembly prints)
- \_\_\_\_\_ Siderails move and latch properly (page 6)
- \_\_\_\_\_ All casters lock with brake pedal engaged (page 15)
- \_\_\_\_\_ Steer function working properly
- \_\_\_\_\_ All casters secure and swivel properly
- \_\_\_\_\_ Body restraints working properly
- \_\_\_\_\_ I.V. pole intact and operating properly (page 89–95)
- \_\_\_\_\_ Oxygen bottle holder intact and operating properly (page 47 or 96)
- \_\_\_\_\_ Fowler operates and latches properly (pneumatic: page 5; crank: page 73 or 74; manual: page 78)
- \_\_\_\_\_ Knee Gatch operates properly (page 69 or 70)
- \_\_\_\_\_ Trendelenberg/Reverse Trendelenberg operating properly
- \_\_\_\_\_ No rips or cracks in mattress cover, warmer sleeves or warmer overlay
- \_\_\_\_\_ Transfer boards intact and operating properly (page 5)
- \_\_\_\_\_ Ground chain intact
- \_\_\_\_\_ No leaks at hydraulic connections
- \_\_\_\_\_ Hydraulic jacks holding properly (page 10)
- \_\_\_\_\_ Hydraulic drop rate set properly (page 12)
- \_\_\_\_\_ Hydraulic oil level sufficient (page 11)
- \_\_\_\_\_ Lubricate where required, including the brake adjuster assembly and brake cam (page 15)
- \_\_\_\_\_ All electrical functions working properly
- \_\_\_\_\_ All outlet caps intact and operating properly (page 16)
- \_\_\_\_\_ Power cord not frayed; no loose connections
- \_\_\_\_\_ No cables worn or pinched
- \_\_\_\_\_ All electrical connections tight; all grounds secure to frame
- \_\_\_\_\_ Ground impedance not more than 100 milliohms
- \_\_\_\_\_ Change both blower box filters, if needed (page 26)

Serial No. \_\_\_\_\_  
\_\_\_\_\_

Completed By: \_\_\_\_\_ Date: \_\_\_\_\_

## PNEUMATIC FOWLER ADJUSTMENT

### Required Tools:

3/32 Hex Allen Wrench	5/8 Open End Wrench
1/8 Hex Allen Wrench	Channel Lock Pliers
3/16 Hex Allen Wrench	Towel or Cloth
7/16 Open End Wrench	Thread "Locktite"

### Adjustment Procedure:

1. Refer to drawings 1010–31–90 and 1510–31–25 (Pneumatic Fowler Assembly, page 79).
2. For easier access, move Fowler to 75 degrees or higher.
3. Using a 3/32 hex Allen wrench, remove set screws (N), located in center of yokes (D).
4. Wrap a towel or cloth around the gas cylinder actuator shaft(s) so as not to mark the shaft. Using channel lock pliers, turn actuator shaft(s) into yoke(s) (D) until tight.
5. Using thread locktite, reinstall set screws (N).
6. While holding the jam nut spacers (R) with a 5/8 open end wrench, turn the adjustment screws (P) using a 3/16 hex Allen wrench until they JUST touch the cylinder pins.
7. Bring the Fowler fully down, and with the handle fully released, using a 1/8 hex Allen wrench, tighten the bottom set screws (S) so the handle is lifted 1/8–1/4 inch above the spine tube. Both set screws must touch the handle. Using a 7/16 open end wrench, tighten the jam nuts (Y) on these set screws.
8. Be sure the Fowler will travel from flat to at least 90 degrees. If it doesn't, turn each adjustment screw (P) clockwise 1/2 turn. Repeat until at least 90 degrees of travel is achieved.
9. Lower the Fowler to a 5–10 degree angle and release the handle. Apply approximately 50 pounds downward to the end of the Fowler. If either side drifts down, turn the adjustment screw (P) on that side 1/4 turn counterclockwise. Repeat until the Fowler is firm with 50 pounds applied.
10. While holding the adjustment screws (P), tighten the jam nut spacers (R).

## TRANSFER BOARD COUNTERBALANCE ADJUSTMENT

### Required Tools:

7/16 Open End Wrench

### Adjustment Procedure:

1. Raise the transfer board to the full up position.
2. Unhook the extension spring at the eye bolt.
3. Using a 7/16 open end wrench, loosen the jam nut at the eye bolt.
4. Adjust the eye bolt to the desired position.
5. Tighten the jam nut.
6. Hook the extension spring to the eye bolt.
7. Allow the transfer board to lower on its own.
8. Repeat steps 1–7 until the desired counterbalance is achieved.

# Service Information

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## SIDERAIL LATCH ADJUSTMENT

### Required Tools:

1/8 Hex Allen Wrench

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### 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.

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### 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.

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### 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.

## PEDAL LINKAGE ADJUSTMENT – DUAL SIDE CONTROL BASE

### Required Tools:

3/32 Hex Allen Wrench

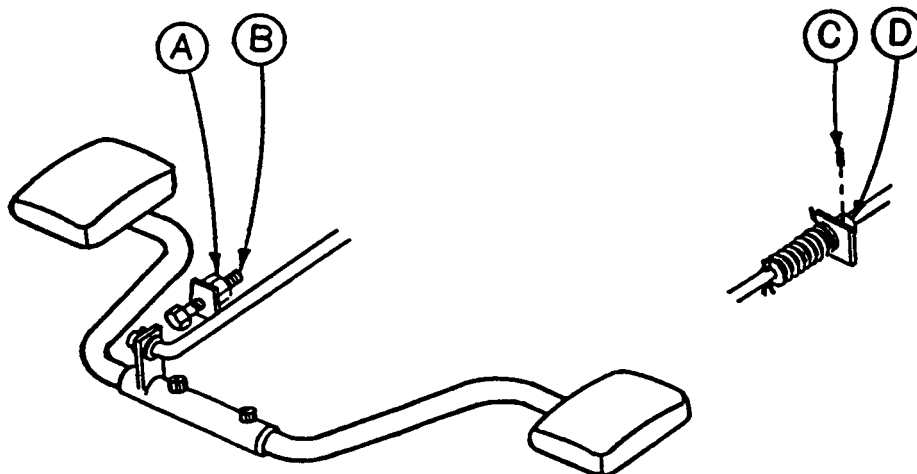
7/16 Open End Wrench

1/2 Open End Wrench

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

### Adjustment Procedure:

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





# Service Information

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## PEDAL LINKAGE ADJUSTMENT – DUAL END CONTROL BASE

### Required Tools:

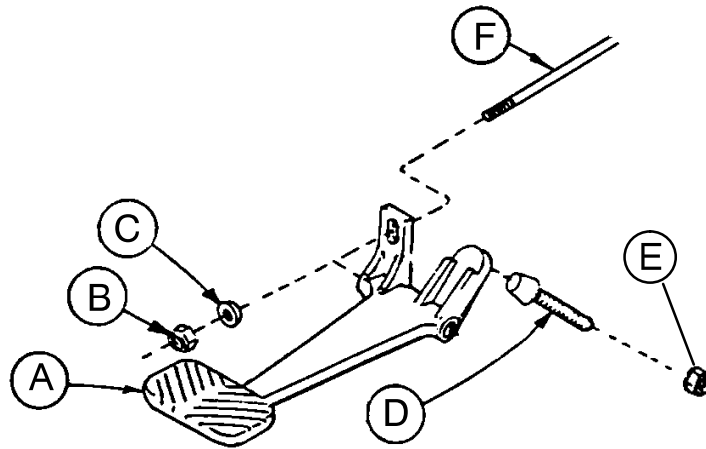
7/16 Open End Wrench

1/2 Open End Wrench

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

### Adjustment Procedure:

1. Pump the litter up to full height.
2. Lift the base hood, separating the hood from the base frame. Using the wooden blocks, support the base hood.
3. The descent pedals should be level with each other and there should be approximately 4 inches between the floor and the bottom of the pedal. To raise the pedal height, use a 1/2 open end wrench to loosen the hex jam nut (E). Using your hand, turn the screw (D) into the bracket. To lower the pedal height, loosen the screw. Tighten the hex jam nut (E) after the correct height is achieved.
4. Once the pedals are level, the release rod can be adjusted. Using a 7/16 wrench, turn nut (B) clockwise to shorten the release length and counterclockwise to increase the length.
5. Depress the pedal and be sure the jack descent is triggered when the pedal is approximately one inch from the floor. The descent should stop when the pedal is released and the jack height should hold. Repeat the above procedures for the descent pedal at the other end of the bed.
6. After adjusting each descent pedal individually, depress both pedals at the same time. Both jacks should start descending when the pedals are approximately one inch from the floor. The foot end should lower slightly faster than the head end. If it does not, see procedure for adjusting the jack descent rate.
7. Remove the wooden blocks supporting the base hood and secure the hood to the base frame.



## CASTER ASSEMBLY REPLACEMENT\*

### Required Tools:

1/8 Roll Pin Punch

Flat Punch (any size larger than 1/8)

Needle Nose Pliers

3/4 Inch Wrench

1 Inch Wrench

Drill with 1/8 inch Drill Bit

Hammer

Floor Jack

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

Torque Wrench (w/ Ft. Lbs. Adjust.)

### Replacement Procedure:

1. Pump the litter up to full height.
2. Lift the base hood, separating the hood from the base frame. Using the wooden blocks, support the base hood,
3. Using a 1/8 roll pin punch and hammer, remove roll pin located in center of lug nut holding wheel assembly to base frame.
4. Carefully remove plastic wheel covers.
5. Using a floor jack, lift base frame approximately 4 inches off the ground.
6. While holding cap screw with a 3/4 inch wrench, turn lug nut with a 1 inch wrench to loosen wheel assembly from base frame. Remove wheel.
7. Install the new wheel assembly with new lug nut and tighten down to 60 – 65 foot-pounds torque.

### WARNING

Never reuse the old lug nut, cap screw or roll pin once removed from base frame.

8. Lower the floor jack and set aside to be used, if needed, with another wheel.

9. Drill a 1/8 hole in center of lug nut, going completely through the lug nut.

### CAUTION

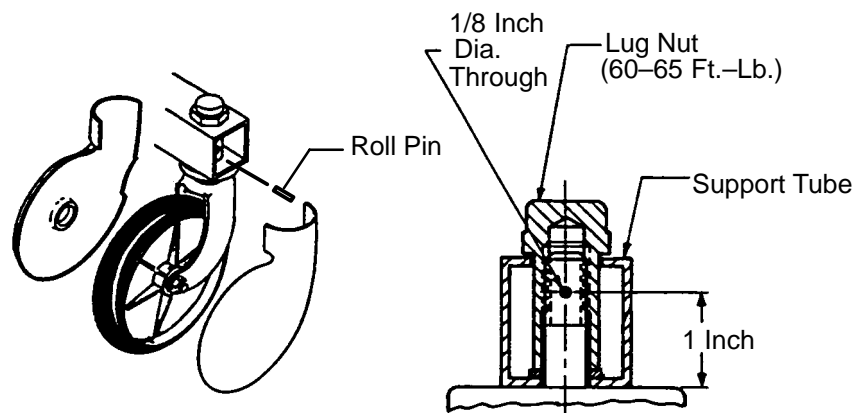
Be careful not to "oblong" the hole in the lug nut when drilling.

10. Using needle nose pliers, hold on to roll pin and tap into place. Finish driving roll pin with a flat head punch and a hammer until flush with the lug nut.

11. Install plastic wheel covers onto wheel.

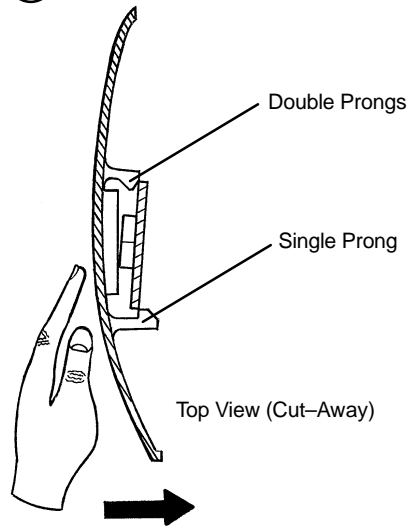
12. Remove the wooden blocks supporting the base hood and secure the hood to the base frame.

### \*Replacement Part Number 715-100-127 (Caster and Cover Assembly)



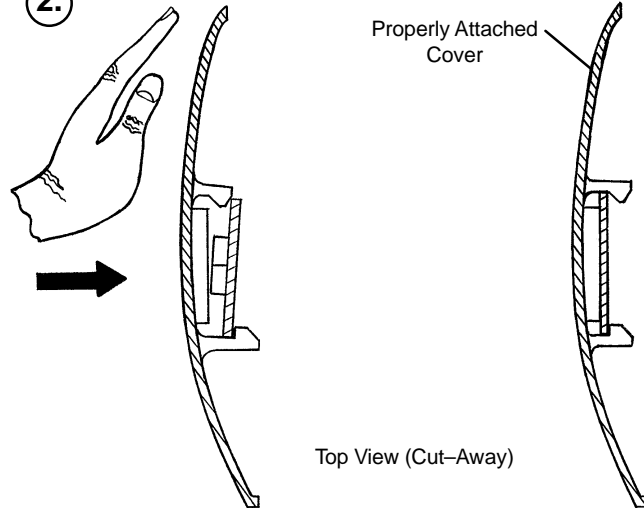
## CASTER COVER INSTALLATION AND REMOVAL

1.



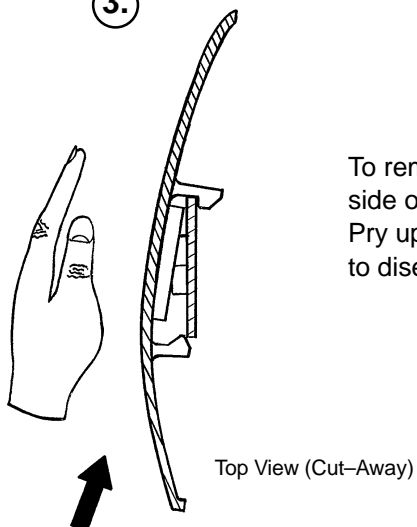
Looking through the larger of the two side cut-outs, align cover with axle nut or bolt head, as shown. Push down on the opposite side of the cover until single prong engages with caster horn.

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.

# Service Information

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## HYDRAULIC SYSTEM TROUBLESHOOTING

### NOTE

Be sure the pedal linkage has been adjusted properly before beginning service on the jacks (see page 7 or page 8).

PROBLEM/SYMPTOM	SOLUTION
Jack will not raise to full height.	Add hydraulic fluid (see p.11). Check for leaks.
Jack will not hold in raised position.	Close the needle valve completely. If the jack holds, replace valve #1 (see p. 13). If the jack does not hold, replace valve #2 (see p. 14).
Jack will not pump up and the jack actuator rod <b>does not</b> move.	Close the needle valve. If the jack will now pump up, replace valve #1. If the jack still will not pump up after closing the needle valve, replace valve #3 (see p. 14).
Jack will not pump up but the jack actuator rod <b>does</b> move when the pump pedal is activated.	Replace valve #2 (see p. 14).
Jack will not pump up and the jack actuator rod may or may not move.	Remove excess air (vacuum) in system (see p. 11).

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

## CHECKING HYDRAULIC FLUID LEVEL

### Required Tools:

3/8 Open End Wrench

3/4 Open End Wrench

### Procedure:

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#### WARNING

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

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

#### CAUTION

Use of other types of oil may damage hydraulic units.

7. Replace the hood and the litter.

## REMOVAL OF EXCESS AIR (VACUUM) FROM THE HYDRAULIC SYSTEM

### Procedure:

1. Verify all hydraulic linkages are secure and operating properly (see pedal linkage adjustment procedure page 7 or 8).
2. Using pump pedal, actuate system several times. This will force the air through the system and the jack should now pump up.

# Service Information

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## JACK DESCENT RATE ADJUSTMENT

### Required Tools:

Screwdriver

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

### Adjustment Procedure:

1. Pump the litter up to full height.
2. Lift the base hood, separating the hood from the base frame. Using the wooden blocks, support the base hood.
3. The descent rate needle valve is located on the base of the jack. Turning the needle valve clockwise, with a screwdriver, will decrease the rate of descent. Turning it counterclockwise will 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.

### NOTE

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

5. Remove the wooden blocks 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.

## HYDRAULIC CHECK VALVE REPLACEMENT

### Required Tools:

3/8 Open End Wrench  
 3/4 Open End Wrench  
 7/32 Hex Allen Wrench

Stiff Wire (with bent, pointed end)  
 Torque Wrench (with Ft. Lbs. adjust.)  
 1/2 Inch Diameter Rod

Small Needle Nose Pliers

### 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 stretcher.

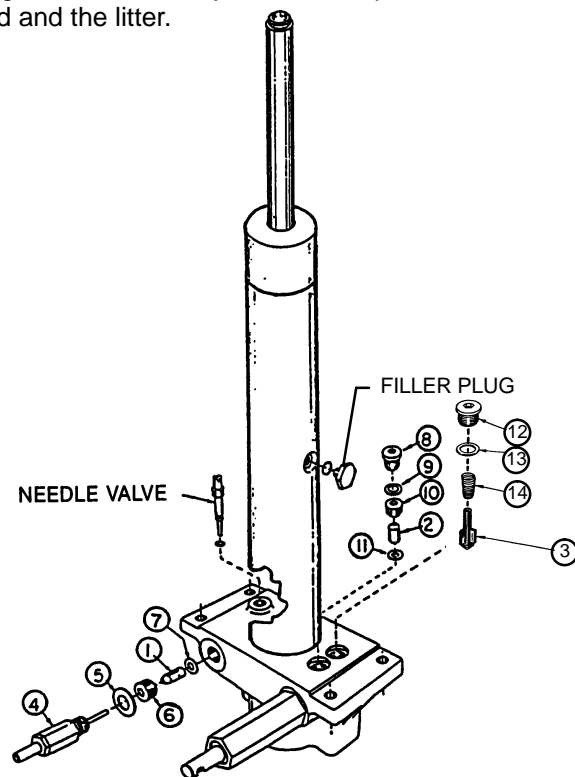
- Using a 3/8 open end wrench, remove square head set screws from both head and foot end jack support tubes. Remove litter top and set aside.
- Lift base hood off base frame and set aside.
- Lower the jack to full down position. The actuator must be manually lowered while depressing the appropriate release pedal.
- Remove the pin body assembly (4) with a 3/4 open end wrench and discard the housing gasket (5).

#### NOTE

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

- Using a 7/32 hex Allen wrench, remove the valve plug (6).
- Using a stiff wire with a bent, pointed end, remove and discard the valve (1) and the seal (7).
- Install the new seal (7) flat to the bottom of its hole with a 1/2 inch diameter rod and install the new valve (1) with the beveled end out (as shown in the illustration).
- Install the valve plug (6) with the countersunk end first and the beveled end out. Tighten to 10 foot pounds torque.
- Install the pin body assembly (4) with the new housing gasket (5) and tighten to 10 foot pounds torque.
- Pump up the jack to the maximum height. Apply weight to be sure the jack holds its position and there are no hydraulic leaks before replacing the base hood and the litter.

ITEM	PART NO.	PART NAME
1	926-20-153	Check Valve
2	926-20-153	Check Valve
3	715-1-341	Poppet
4	715-100-312	Pin Housing Assembly
5	715-1-330	Housing Gasket
6	715-1-309	Valve Plug
7	926-20-154	Seal
8	715-1-101	Base Plug
9	926-20-156	Seal
10	715-1-309	Valve Plug
11	926-20-154	Seal
12	715-1-301	Base Plug
13	926-20-156	Seal
14	390-2-134	Conical Comp. Spring



# Service Information

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## HYDRAULIC CHECK VALVE REPLACEMENT (CONT'D)

### Replacement of Valve #2

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#### **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.

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1. Remove the base plug (8) and discard the seal (9).
2. Remove the valve plug (10).
3. Using a stiff wire with a bent, pointed end, remove the valve (2) and the seal (11) and discard the seal.
4. Install the new seal (11) flat to the bottom of its hole with a 1/2" diameter rod.
5. Install the new valve (2) with the beveled end out (as shown in the illustration).
6. Install the valve plug (10) and tighten to 10 foot-pounds torque.
7. Install the new seal (9) with the base plug (8) and tighten to 10 foot-pounds torque.
8. Pump up the jack to the maximum height.
9. Be sure there are no hydraulic leaks before replacing the base hood and the litter.

### Replacement of Valve (Poppet) #3

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#### **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.

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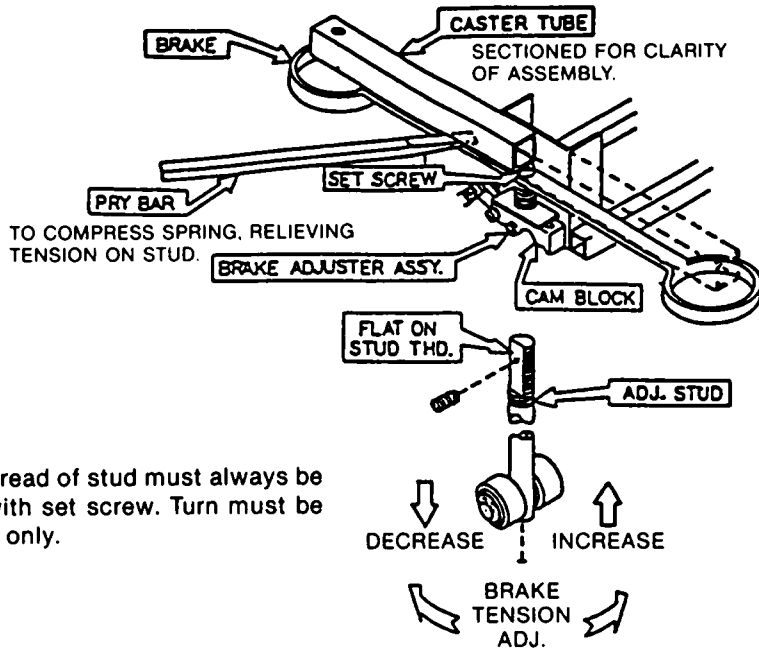
1. Remove the base plug (12) and discard the seal (13).
2. Remove the compression spring (14).
3. Using a small needle nose pliers, remove the poppet (3).
4. Install the new poppet (3).
5. Install the compression spring (14).
6. Install the new seal (13) and the base plug (12) and tighten to 10 foot-pounds torque.
7. Pump up the jack to the maximum height to check its operation.
8. Check for hydraulic leaks before replacing the base hood and the litter.



## BRAKE ADJUSTMENT

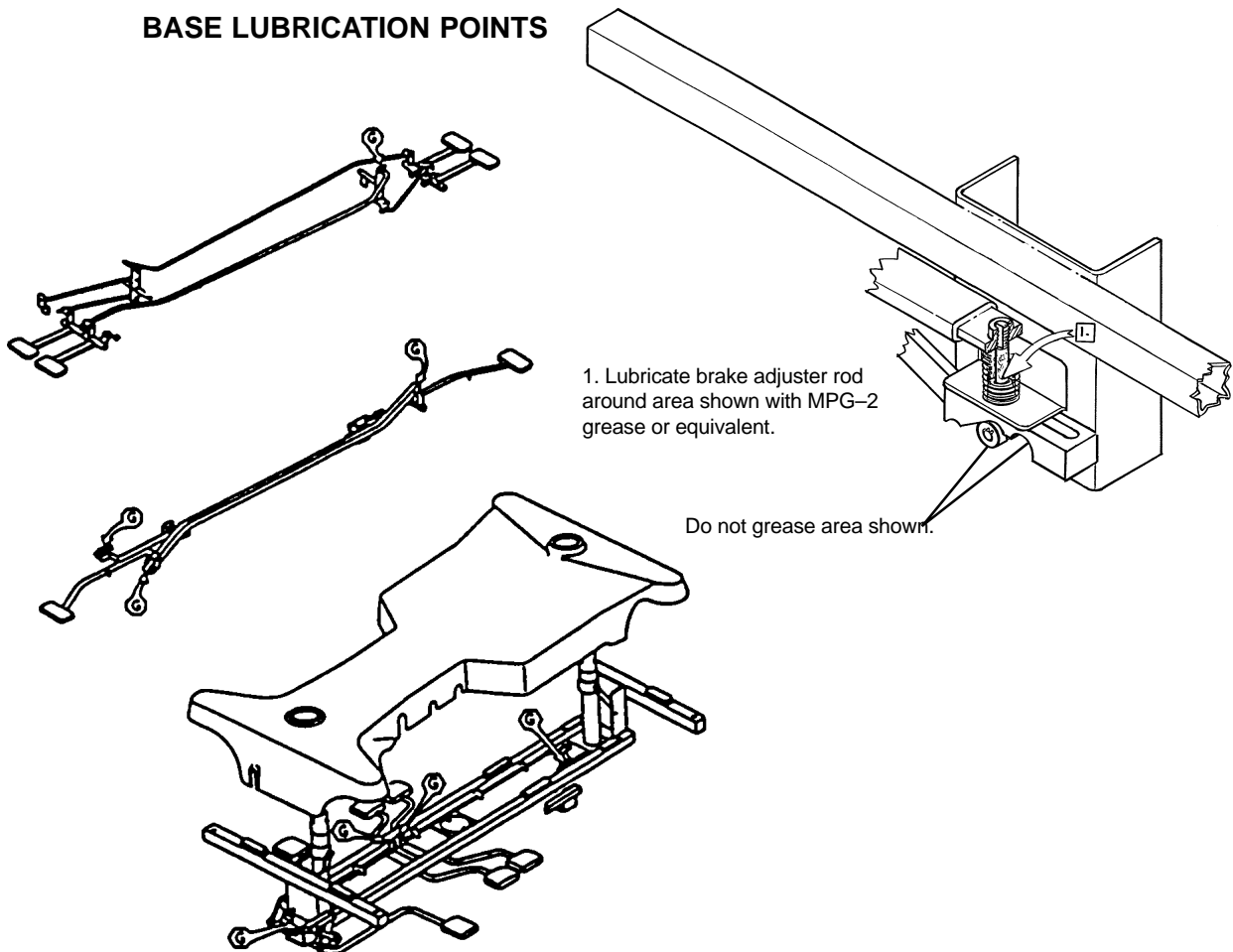
### Required Tools:

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



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

## BASE LUBRICATION POINTS



# Service Information

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## HOSE REPLACEMENT

### NOTE

Refer to assembly drawings 1030-34-60 (page 64), 1530-34-60 (page 65), 1030-1-30 (page 66) or 1530-1-30 (page 67) for part reference.

1. Grasp the hose fitting (AY) and carefully pull downward to disconnect the hose from the foot end skin (F) and the air duct assembly (R).
2. Turn hose fittings (AY) clockwise to remove from both ends of the heater hose (AH).
3. Install replacement hose by reversing the above steps

## OUTLET CAP REPLACEMENT

### Required Tools:

3/16" Hex Allen Wrench

### NOTE

Refer to assembly drawings 1030-34-60 (page 64), 1530-34-60 (page 65), 1030-1-30 (page 66) or 1530-1-30 (page 67) for part reference.

### Replacement Procedure:

1. Using a 3/16" Hex Allen Wrench, remove the two cap screws (BA) and washers (AL) that hold the outlet cap(s) in place.
2. Remove and replace appropriate outlet cap(s).
3. Reattach with cap screws (BA).

## BALL VALVE REPLACEMENT

### Required Tools:

Screwdriver

### NOTE

Refer to assembly drawings 1030-34-60 (page 64), 1530-34-60 (page 65), 1030-1-30 (page 66) or 1530-1-30 (page 67) for part reference.

### Replacement Procedure:

1. To remove the ball valve (AD) from the air duct (R), grasp the edge of the valve and pull downward while pushing inward on the retention clips with a screwdriver.
2. Snap the new ball valve assembly into place.

## ELECTRICAL TROUBLESHOOTING

Before attempting to diagnose an apparent electrical problem, be sure the power cord is plugged into a properly grounded hospital grade wall receptacle.

### WARNING

After diagnosing the problem, **always** unplug the power cord from the wall socket before servicing the bed.

CONDITION	POSSIBLE PROBLEM(S)	POSSIBLE SOLUTION(S)
High alarm sounds.	<p>Closed blower outlets.</p> <p>Blower not operating properly (sleeves/overlay should inflate).</p> <p>Air duct temperature sensor inoperative.</p> <p>Computer not sending proper heat activation signal to power board.</p> <p>Defective heater or solid state heater relay.</p>	<p>See page 7 &amp; 8 of operations manual for installation of sleeves/overlay.</p> <p>Be sure "AIR" or a temperature setting is selected (see page 6 in operations manual).</p> <p>Replace blower filters, if clogged (page 26).</p> <p>Check blower connection on power board.</p> <p>Replace blower (page 21).</p> <p>With power cord plugged in and warmer on "AIR" setting, check voltage across diode D2 on CPU board.</p> <p>Voltage should be between 1.40 and 1.50 Volts DC.</p> <p>Check sensor connection on power board.</p> <p>Replace sensor (page 23).</p> <p>Red LED on power board must flash when any temperature setting is selected.</p> <p>Replace CPU board (page 27).</p> <p>Replace power board (page 22).</p> <p>With power cord plugged in and warmer on any temperature setting, check voltage across junction R24 and ground tab. (This is a pulse train and should give a constantly varying voltage reading when LED is flashing.)</p> <p>Check heater connection on power board.</p> <p>Replace heater if resistance is not 17.5 +/- .875 ohms (page 20).</p> <p>Replace relay (page 24).</p>
Low alarm sounds.	<p>Stretcher temperature too low.</p>	<p>Alarm may be activated if stretcher has been in a cold environment. Restart warmer after stretcher is stabilized at room temperature.</p>

# Service Information

## ELECTRICAL TROUBLESHOOTING (CONTINUED)

CONDITION	POSSIBLE PROBLEM(S)	POSSIBLE SOLUTION(S)
Low alarm sounds (continued)	Air duct temperature sensor inoperative.	With power cord plugged in and warmer on "AIR" setting, check voltage across diode D2 on CPU board. Voltage should be between 1.40 and 1.50 Volts DC. Check sensor connection on power board. Replace sensor (page 23).
Power light not on after power cord plugged in.	Faulty wall receptacle.  Main (8 amp) fuse blown.    1/10 amp fuse blown.    Faulty main power thermostat.	Ensure wall outlet supplies 115 VAC at 8 amps. Check power board. Check blower. Check heater. Check solid state relay. Replace any of these parts, if necessary. Indicates a short or overload in the DC circuits. Check power board. Check CPU board. Check display board. Replace any of these parts, if necessary. With bed unplugged, remove main power thermostat and check continuity at room temperature. Replace if thermostat is open.
Bed loses all power after normal operation.		Perform all "High Alarm" troubleshooting tests. Perform all "Power Light Not On" troubleshooting tests.
Blower does not turn off when "OFF/STAND BY" button is pressed.	Display circuit board failure.  Power board failure.	Replace display board if additional lights on display (other than power light) are illuminated (page 28). Replace power board (page 22).
Unsatisfactory heating performance (stretcher will not reach selected temperature.)	Air flow leaks.	Check ball valves, hoses, outlets and diffusers for air leaks and replace/repair if necessary (page 16).

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

## STATIC DISCHARGE PRECAUTIONS

The electronic circuits in the 1030/1530 Warming Stretcher are completely protected from static electricity damage only while the bed is assembled. It is extremely important that all service personnel always use adequate static protection when servicing the electronic systems of the 1030/1530. *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.

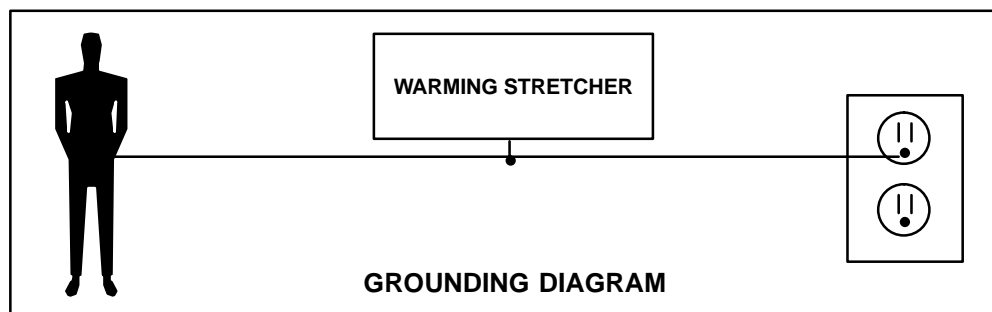
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### CAUTION

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 bed 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 bed.
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 bed.



# Service Information

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## HEATER REPLACEMENT

---

### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

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### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

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### Required Tools:

Screwdriver	5/32" Hex Allen Wrench
11/32" Open End Wrench	Side Cutters
15" x 25" Sheet Plywood or Corrugated Cardboard	1/8" Hex Allen Wrench

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. For easier servicing, remove the mattress, lift up and hinge the stationary foot end to expose the blower box. If the stretcher is equipped with a crank Knee Gatch, remove the bolt from the Knee Gatch lever at the end of the crankscrew drive tube (item "H", drawing #1030-34-70 and #1530-34-70, p. 69 or 70). Remove the mattress and lift up and hinge the Knee Gatch to expose the blower box.
2. Lay a sheet of plywood or heavy corrugated cardboard across the spine tubes of the litter frame. Using a 1/8" hex Allen wrench, remove the two Allen bolts holding the blower box on the litter frame. Place the complete blower box onto the plywood or cardboard.
3. Using an 11/32" open end wrench, remove the four fiberlock nuts (BF) holding the blower in place. Lower the blower fan down to expose the heater (C).
4. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly.
5. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AM) and lower the blower box bottom (D) out of the way.

#### NOTE

It is very important to reinstall the ground washers (AF) in the proper grounding location when reinstalling the blower box bottom.

6. Remove the safety screen (AW) and set aside to be re-used.
7. To remove the heater, disconnect the brown, blue and white cables from JP9, JP6 and JP10 on the power board (K). Be sure to note the location of the connectors for re-assembly. Cut the cable tie (BE) with side cutters and pull the heater and the attached cables out of the blower fan.
8. Reverse the above steps to install the new heater.

#### NOTE

When replacing the blower box filters before closing the cover, be sure to note that the air flow indicators on the filters must be pointing toward the blower fan (B).

9. Thoroughly test all Warming Stretcher operations before returning it to service.

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## BLOWER/CAPACITOR REPLACEMENT

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### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

### Required Tools:

Screwdriver	1/8" Hex Allen Wrench	5/32" Hex Allen Wrench
3/8" Open End Wrench	11/32" Open End Wrench	Side Cutters
15" x 25" Sheet Plywood or Corrugated Cardboard		

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. For easier servicing, remove the mattress, lift up and hinge the stationary foot end to expose the blower box. If the stretcher is equipped with a crank Knee Gatch, remove the bolt from the Knee Gatch lever at the end of the crankscrew drive tube (item "H", drawing #1030-34-70 and #1530-34-70, p. 69 or 70). Remove the mattress and lift up and hinge the Knee Gatch to expose the blower box.
2. Lay a sheet of plywood or heavy corrugated cardboard across the spine tubes of the litter frame. Using a 1/8" hex Allen wrench, remove the two Allen bolts holding the blower box on the litter frame. Place the complete blower box onto the plywood or cardboard.
3. Using an 11/32" open end wrench, remove the four fiberlock nuts (BF) holding the blower in place. Lower the blower fan down to expose the heater (C).
4. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly.

#### NOTE

When replacing the blower box filters before closing the cover, be sure to note that the air flow indicators on the filters must be pointing toward the blower fan (B).

5. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AM) and lower the blower box bottom (D) out of the way.
6. Using an 11/32" open end wrench, remove the four fiberlock nuts (BF) holding the blower in place. Lower the blower fan down to expose the heater (C).
7. Remove the safety screen (AW) and set aside to be re-used.
8. To remove the heater, disconnect the brown, blue and white cables from JP9, JP6 and JP10 on the power board (K). Be sure to note the location of the connectors for re-assembly. Cut the cable tie (BE) with side cutters, remove snub bushing (AN) and pull the heater and the attached cables out of the blower fan.
9. Carefully cut the cable tie holding the blower and capacitor wires in place. Disconnect the solid green ground wire from the green/yellow wire coming from the blower.
10. Using a 3/8" open end wrench and 1/8" hex Allen wrench, remove the capacitor from the clamps.
11. Reverse the above steps to install the new blower/capacitor.

#### NOTE

It is very important to reinstall the ground washers (AF) in the proper grounding location when reinstalling the blower box bottom.

12. Thoroughly test all Warming Stretcher operations before returning it to service.

# Service Information

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## POWER BOARD REPLACEMENT

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### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

---

### Required Tools:

Screwdriver

5/32" Hex Allen Wrench

5/16" Nut Driver

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly.

#### NOTE

The blower box filters will drop out when the bottom cover is opened. When replacing them before closing the cover, be sure to note that the air flow indicators on the filters must be pointing toward the blower fan (B).

2. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AM) and lower the blower box bottom (D) to expose the power board (K).

#### NOTE

It is very important to reinstall the ground washers (AF) in the proper grounding location when reinstalling the blower box bottom.

3. Disconnect all wires on the power board. Be sure to note the location of the connectors for re-assembly.
4. Using a 5/16" nut driver, remove the four nylon hex nuts (AK) holding the power board in place.
5. Reverse the above steps to install the new power board.
6. Thoroughly test all Warming Stretcher operations before returning it to service.



## HEAT SENSOR REPLACEMENT

---

### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

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### Required Tools:

Screwdriver	11/32" Nut Driver	1/8" Hex Allen Wrench
"Heyco" or Standard Pliers	5/32" Hex Allen Wrench	

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. For easier servicing, remove the mattress, lift up and hinge the stationary foot end to expose the blower box. If the stretcher is equipped with a crank Knee Gatch, remove the bolt from the Knee Gatch lever at the end of the crankscrew drive tube (item "H", drawing #1030-34-70 and #1530-34-70, p. 69 or 70). Remove the mattress and lift up and hinge the Knee Gatch to expose the blower box.
2. Lay a sheet of plywood or heavy corrugated cardboard across the spine tubes of the litter frame. Using a 1/8" hex Allen wrench, remove the two Allen bolts holding the blower box on the litter frame. Place the complete blower box onto the plywood or cardboard.
3. Using an 11/32" open end wrench, remove the four fiberlock nuts (BF) holding the blower in place. Lower the blower fan down to expose the heater (C).
4. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly.

#### NOTE

When replacing the blower box filters before closing the cover, be sure to note that the air flow indicators on the filters must be pointing toward the blower fan (B).

5. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AM) and lower the blower box bottom (D) to expose the power board (K).
6. Disconnect the cable marked "Heat Sensor Cable" from the power board.
7. Carefully peel away the snout foam (H) to expose the heat sensor (R).
8. Pull off the black plastic cap holding the heat sensor in place and remove the sensor from the blower snout (E).
9. Using an 11/32" nut driver, remove the fiberlock nut (BF) holding the cable clamp (BH) in place. Remove the heat sensor cable from the clamp.
10. Using "Heyco" or standard pliers, remove the straight bushing (P) from the blower box.
11. Pull the sensor and cable through the blower box.

#### NOTE

It is very important to reinstall the ground washers (AF) in the proper grounding location when reinstalling the blower box bottom.

12. Reverse the above steps to install the new heat sensor.
13. Thoroughly test all Warming Stretcher operations before returning it to service.

# Service Information

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## RELAY REPLACEMENT

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### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

---

### Required Tools:

Screwdriver	5/64" Hex Allen Wrench
5/32" Hex Allen Wrench	5/16" Nut Driver

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly.

#### NOTE

The blower box filters will drop out when the bottom cover is opened. When replacing them before closing the cover, be sure to note that the air flow indicators on the filters must be pointing toward the blower fan (B).

2. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AM) and lower the blower box bottom (D) to expose the power board (K).

#### NOTE

It is very important to reinstall the ground washers (AF) in the proper grounding location when reinstalling the blower box bottom.

3. Using a screwdriver, remove the four wires connected to the relay (AZ). Be sure to note the location of the wires for proper re-assembly.
4. Using a 5/16" nut driver and 5/64" hex Allen wrench, remove the nuts and bolts holding the relay in place and remove the relay.
5. Reverse the above steps to install the new relay.
6. Thoroughly test all Warming Stretcher operations before returning it to service.

## FUSE #1 (1/10A) REPLACEMENT

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### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

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### Required Tools:

Screwdriver

5/32" Hex Allen Wrench

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly.

#### NOTE

The blower box filters will drop out when the bottom cover is opened. When replacing them before closing the cover, be sure to note that the air flow indicators on the filters must be pointing toward the blower fan (B).

2. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AM) and lower blower box bottom (D) to expose the power board (K).

#### NOTE

It is very important to reinstall the ground washers (AF) in the proper grounding location when reinstalling the blower box bottom.

3. Remove the 1/10A fuse from the power board (fuse is identified as Fuse #1).
4. Reverse the above procedures to install the new fuse.
5. Thoroughly test all Warming Stretcher operations before returning it to service.

## MAIN FUSE REPLACEMENT

### Required Tools:

Screwdriver

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030-33-3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. Using a screwdriver, turn the fuse holder (AZ) out of its locked position and remove holder with attached fuse (AY).
2. Replace the fuse (8A) and reinstall fuse holder.
3. Thoroughly test all Warming Stretcher operations before returning it to service.

# Service Information

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## FILTER REPLACEMENT

### Required Tools:

Screwdriver

### Replacement Procedure:

#### NOTE

Refer to assembly drawing 1030–33–3, Blower Box Assembly, (page 102 & 103) for parts reference.

1. Using a screwdriver, turn the "1/4 Turn Fastener" (Z) to open the hinged bottom cover of the blower box assembly. The filters will drop out of the blower box.
2. Replace the filters being sure the air flow indicator arrows on the filters are pointed toward the blower fan (B).
3. Close the bottom cover and reinstall the fastener.
4. Return the Warming Stretcher to service.

## THERMOSTAT REPLACEMENT

---

### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

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### Required Tools:

1/8" Hex Allen Wrench  
3/8" Open End Wrench

5/32" Hex Allen Wrench

#### NOTE

Refer to drawings 1030–1–30 (page 66) or 1530–1–30 (page 67) for part reference.

### Replacement Procedure:

1. Using a 5/32" hex Allen wrench, remove the four Allen bolts (AR) and washers (AL) holding the thermostat cover (AF) in place.
2. Using a 1/8" hex Allen wrench, remove the two bolts (W) that are holding the thermostat screen (AC) in place.
3. Disconnect the two wires that are attached to the thermostat (AE).
4. Using a 1/8" hex Allen wrench and 3/8" open end wrench, remove the two bolts (AW) and locknuts (BB) holding the thermostat (AE) on the screen.
5. Reverse the above steps to install the new thermostat.
6. Thoroughly test all Warming Stretcher operations before returning it to service.

## CPU BOARD REPLACEMENT

---

### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

---

### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

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### Required Tools:

5/16" Nut Driver

11/32" Nut Driver

### Replacement Procedure:

#### NOTE

Refer to assembly drawings 1030-1-10 (page 55-58) and 1530-1-10 (page 59-61) for part reference.

1. Using a 5/16" nut driver, remove the two sheet metal screws (CM) holding the control cover (CC) in place and remove the cover.
2. Unplug the cables from the CPU board (CN). Be sure to note the connector locations for proper re-assembly.
3. Using an 11/32" nut driver, remove the four hex nuts (DN) holding the CPU board in place and remove the board.
4. Reverse the above steps to install the new CPU board.
5. Thoroughly test all Warming Stretcher operations before returning it to service.

# Service Information

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## DISPLAY BOARD REPLACEMENT

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### WARNING

Before servicing the Warming Stretcher, unplug the power cord from the wall receptacle.

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### CAUTION

Before servicing the Warming Stretcher, properly ground yourself. (See page 19 for static discharge precautions).

### Required Tools:

5/32" Hex Allen Wrench  
Small Pliers

### Replacement Procedure:

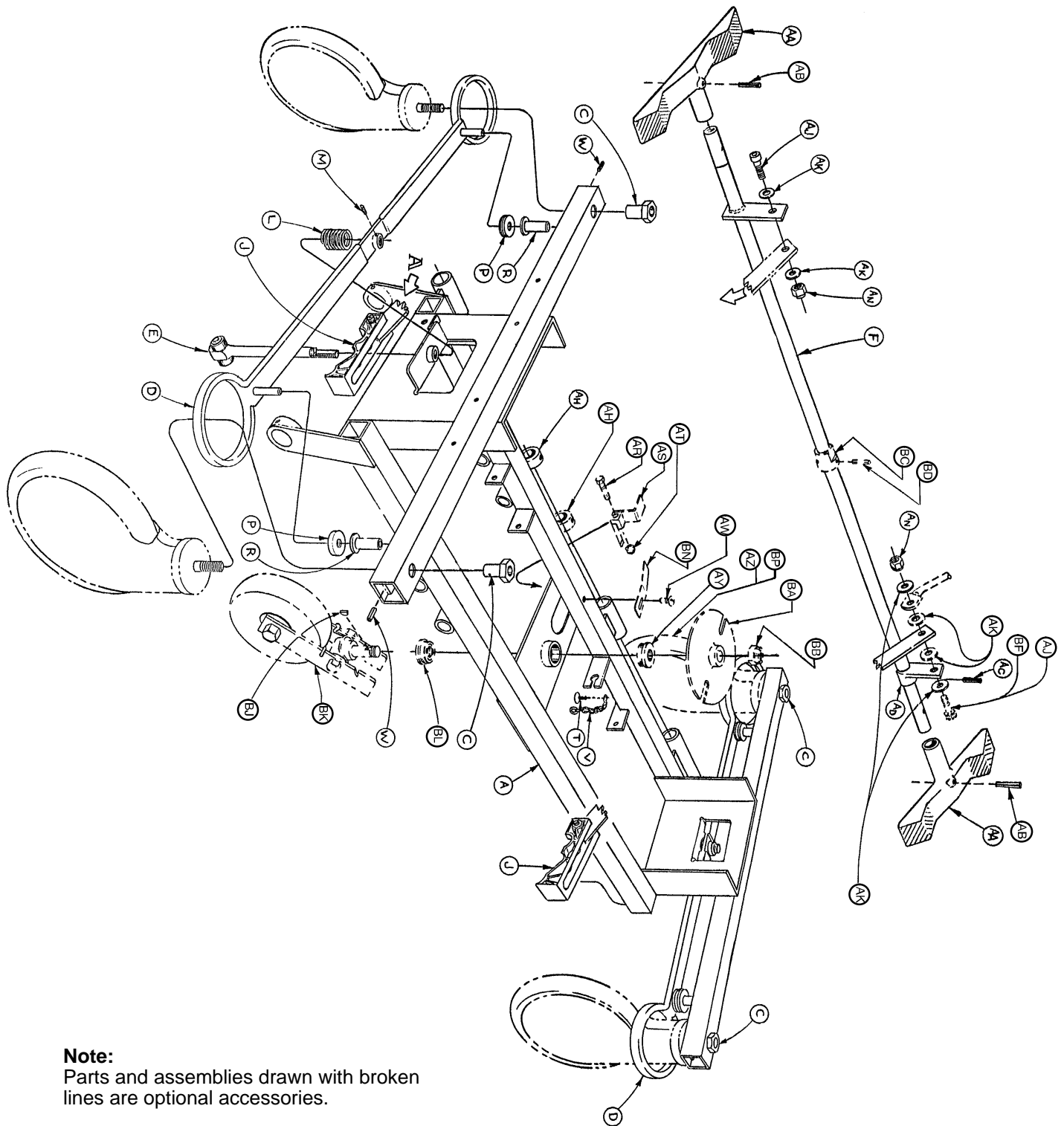
#### NOTE

Refer to assembly drawing 1030-73-1 (page 104) for part reference.

1. Using a 5/32" hex Allen wrench, remove the four button head cap screws (K) holding the display box bottom (J) in place.
2. Using small pliers, carefully remove the four self-retaining spacers (H) that are fastened to the display board (F).
3. Disconnect the cable from the display board.
4. Reverse the above steps to install the new display board.
5. Thoroughly test all Warming Stretcher operations before returning it to service.



# 715-1-250 Side Control Base Assembly (with Wheels)



**Note:**  
Parts and assemblies drawn with broken lines are optional accessories.



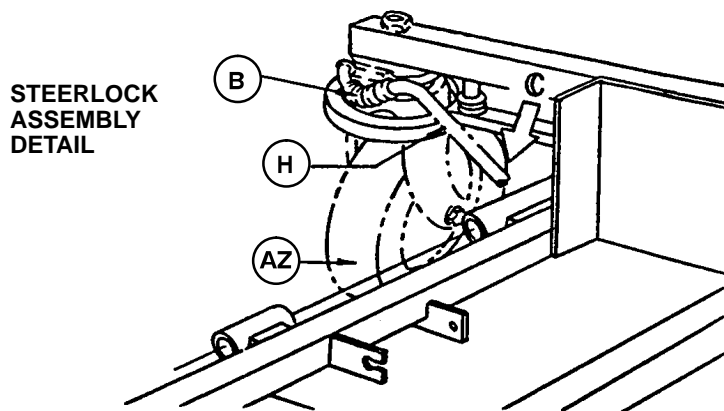
# 715-1-250 Side Control Base Assembly (with Wheels)

Item	Part No.	Part Name	Qty.
A	715-1-245	Base Weldment Assembly	1
B	38-211	Spring	1
C	715-1-158	Caster Nut	4
D	715-1-61	Caster Brake Assembly	2
E	(Page 32)	Brake Adjuster Assembly	2
F	715-1-231	Brake/Steering Rod Assembly	1
H	1000-10-62	Steering Lock Linkage Bar	1
J	(Page 33)	Brake Cam Assembly	2
L	715-1-94	Compression Spring	2
M	21-50	Set Screw	2
P	715-1-11	Brake Cushion	4
R	946-1-116	Brake Bar Bushing	4
T	23-25	Self-Tapping Screw	1
V	715-1-156	Grounding Chain	1
W	26-5	Roll Pin	4
AA	715-1-201	Brake/Steer Pedal	2
AB	26-196	Groove Pin	1
AC	26-13	Roll Pin	1
AD	715-1-165	Actuator Plate Assembly	2
AH	42-20	Collar w/ Set Screw	2
AJ	8-17	Soc. Hd. Cap Screw	2*
AK	14-2	Nylon Washer	4
AN	16-2	Fiberlock Nut	2
AR	3-20	Hex Hd. Cap Screw	1
AS	715-1-217	Fifth Wheel Latch	1
AT	16-16	Nylock Nut	1
AW	7-4	Truss Hd. Mach. Screw	1
AY	715-1-157	Fifth Wheel Bearing	1
AZ	(Page 38)	Steering Caster Assembly	1**
BA	715-1-337	Fifth Wheel Plate Assembly	1
BB	16-49	Flexlock Nut	1
BC	715-1-161	Fifth Wheel Cam	1
BD	26-8	Roll Pin	1
BF	8-21	Soc. Hd. Cap Screw	1**
BJ	715-1-149	Woodruff Key	1
BK	(Page 40)	Fifth Wheel Assembly	1
BL	81-219	Bearing	1
BN	715-1-136	Fifth Wheel Spring	1
BP	(Page 39)	Caster Wheel Assembly	3***

\* Item AJ to be used only when fifth wheel is ordered.

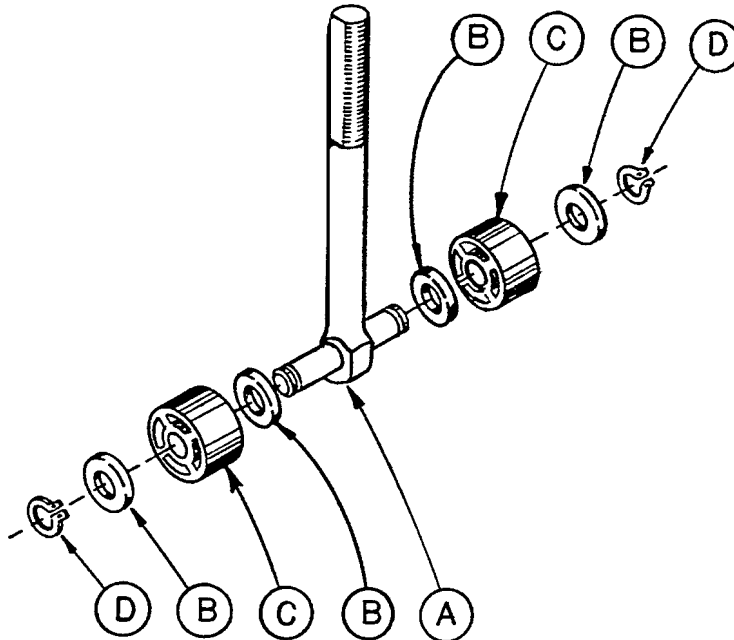
\*\* Items AZ and BF to be used only when steerlock caster is ordered.

\*\*\* Item BP quantity of four when fifth wheel is ordered.



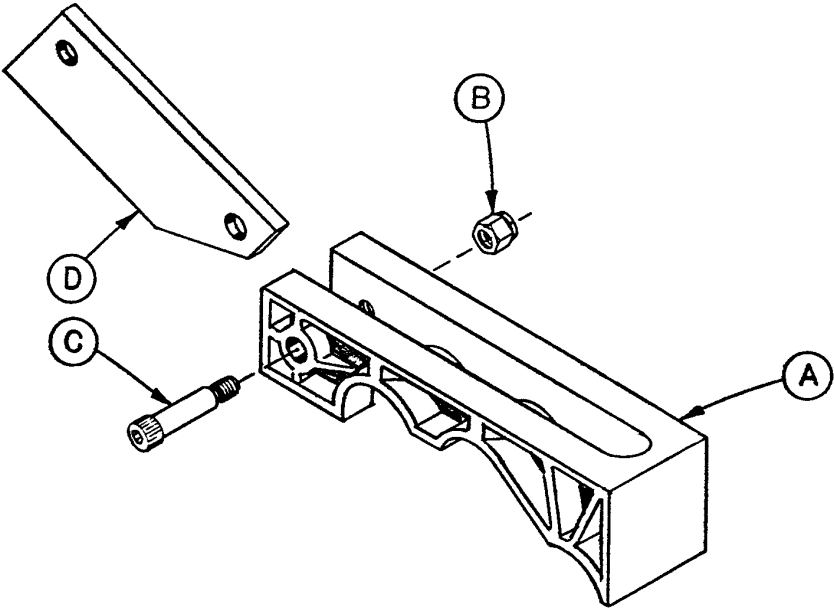
# 715-1-150 Brake Adjuster Assembly

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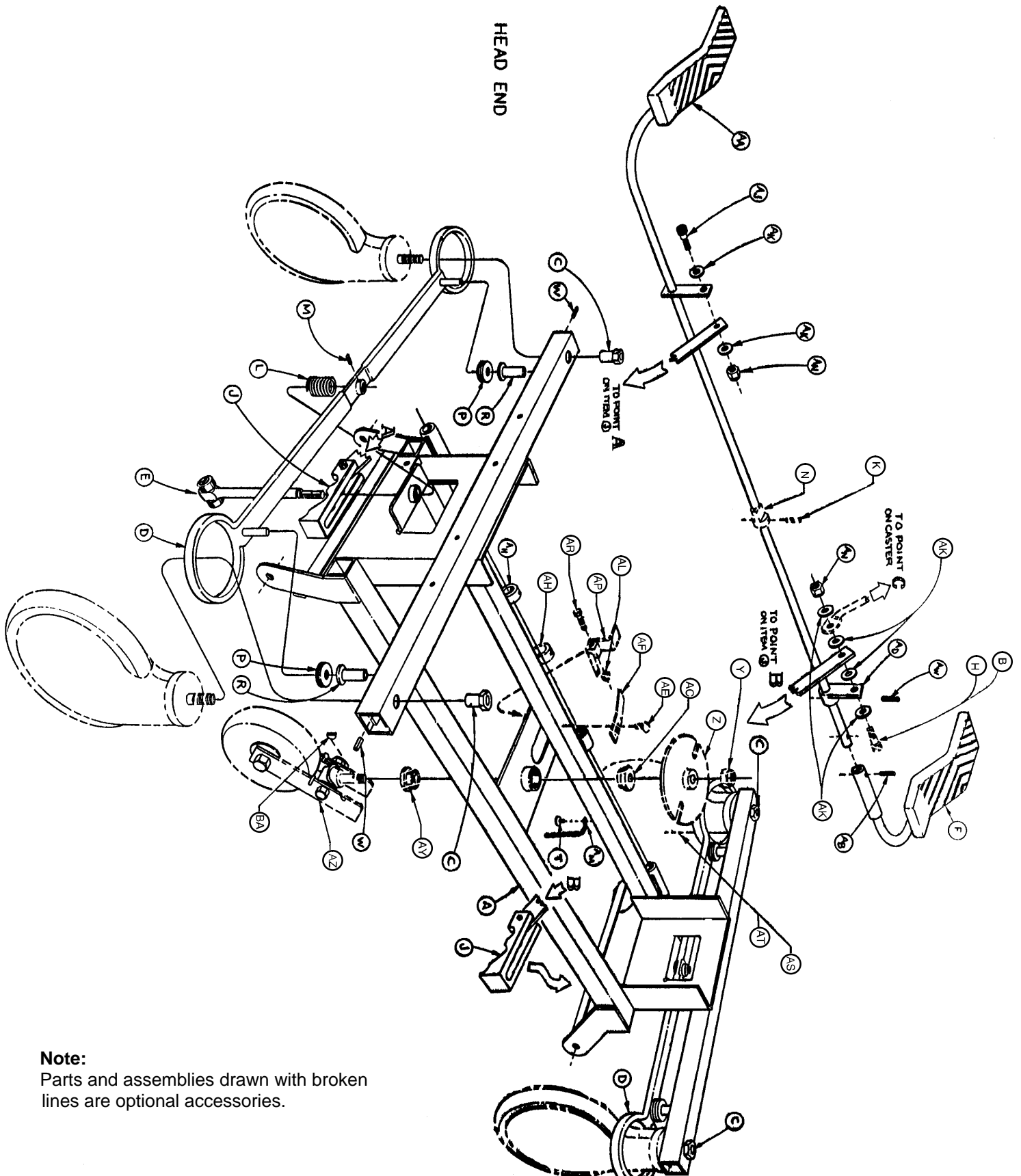
Item	Part No.	Part Name	Qty.
A	715-1-62	Threaded Stud Assembly	1
B	14-4	Nylon Washer	4
C	715-1-180	Bearing	2
D	28-8	Retaining Ring	2

# 715-1-213 Brake Cam Assembly



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

# 716-1-251 End Control Base Assembly (with Wheels)



**Note:**  
Parts and assemblies drawn with broken lines are optional accessories.

# 716-1-251 End Control Base Assembly (with Wheels)

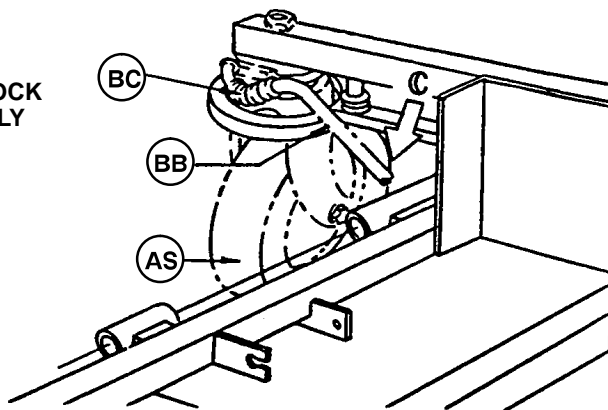
Item	Part No.	Part Name	Qty.
A	716-1-246	Base Weldment Ass'y	1
B	8-17	Soc. Hd. Shoulder Bolt	1*
C	715-1-158	Caster Nut	4
D	715-1-61	Caster Brake Assembly	2
E	(Page 32)	Brake Adjuster Assembly	2
F	(Page 36)	Brake Pedal Ass'y, Ft. End	1
H	8-21	Soc. Hd. Shoulder Bolt	1**
J	(Page 33)	Brake Cam Assembly	2
K	26-8	Roll Pin	1
L	715-1-94	Compression Spring	2
M	21-50	Set Screw	2
N	715-1-161	Fifth Wheel Cam	1
P	715-1-11	Brake Cushion	4
R	946-1-116	Brake Bar Bushing	4
T	23-25	Self-Tapping Screw	1
W	26-5	Roll Pin	4
Y	16-49	Flexlock Nut	1
Z	715-1-337	Fifth Wheel Plate Ass'y	1
AA	(Page 37)	Brake Pedal Ass'y, Hd. End	1
AB	26-35	Roll Pin	1
AC	715-1-157	Fifth Wheel Bearing	1
AD	715-1-165	Actuator Plate Assembly	1
AE	7-4	Truss Hd. Mach Screw	1
AF	715-1-136	Fifth Wheel Spring	1
AH	42-20	Collar w/ Set Screw	2
AJ	8-17	Soc. Hd. Shoulder Bolt	1
AK	14-2	Nylon Washer	6
AL	16-16	Nylock Nut	1
AM	715-1-156	Grounding Chain	1
AN	16-2	Fiberlock Nut	2
AP	715-1-217	Fifth Wheel Latch	1
AR	3-20	Hex Hd. Cap Screw	1
AS	(Page 38)	Steering Caster Ass'y	1**
AT	(Page 39)	Caster Wheel Ass'y	3***
AY	81-219	Bearing	1
AW	26-13	Roll Pin	1
AZ	(Page 40)	Fifth Wheel Ass'y	1
BA	715-1-149	Woodruff Key	1
BB	1000-10-62	Steering Lock Linkage Bar	1
BC	38-211	Spring	1

\* Item B to be used only when fifth wheel is ordered.

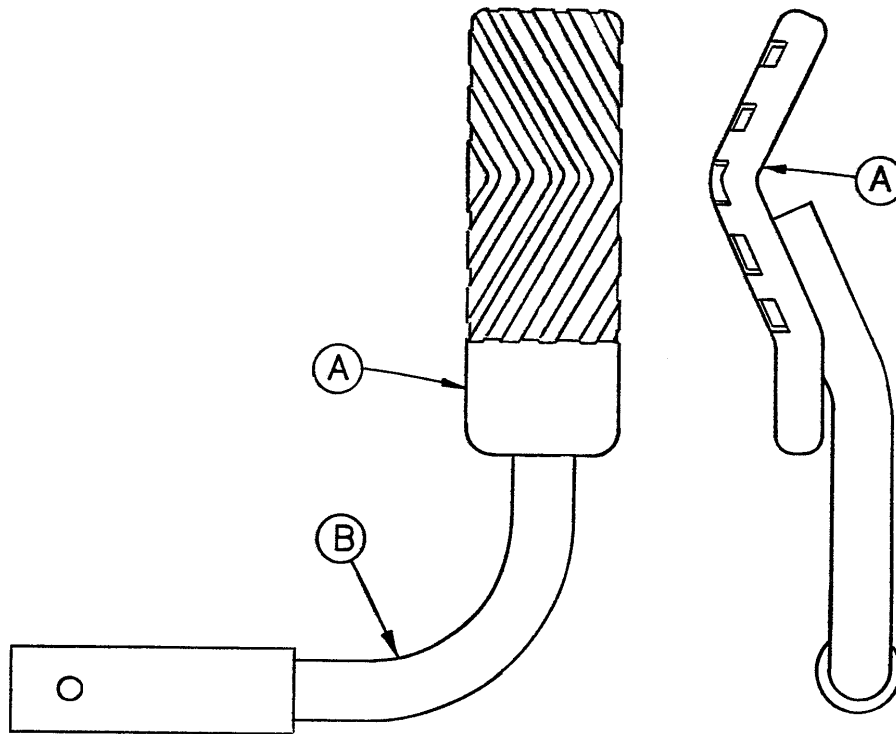
\*\*Items H and AS to be used only when steerlock caster is ordered.

\*\*\* Item AT quantity of 4 when fifth wheel is ordered.

**STEERLOCK  
ASSEMBLY  
DETAIL**

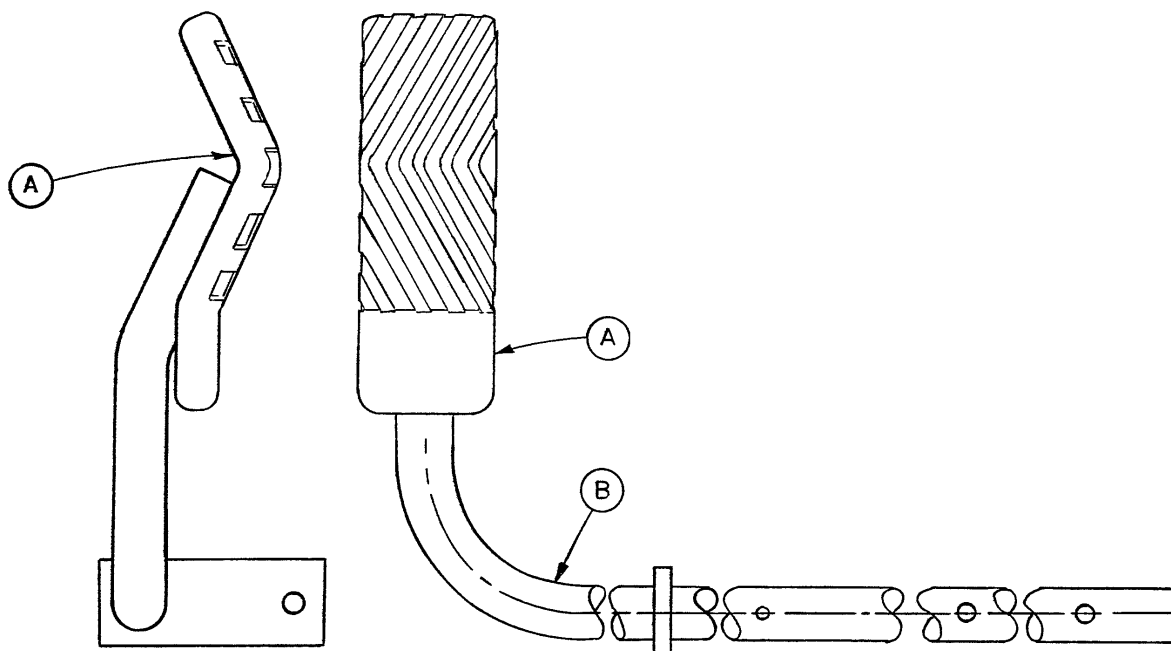


# 716-1-263 Brake Pedal Ass'y, Foot, End Control Base



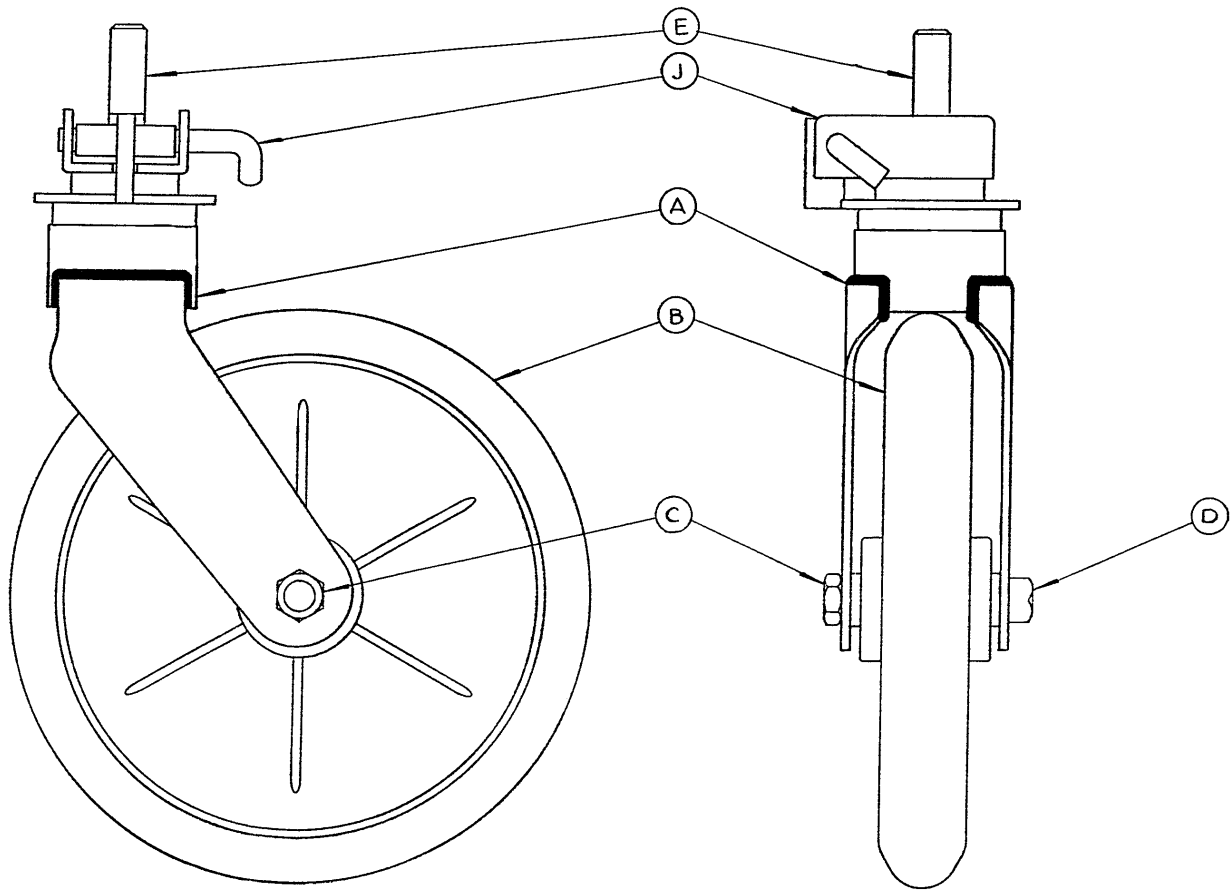
Item	Part No.	Part Name	Qty.
A	716-1-275	Brake Pedal	1
B	716-1-262	Brake Rod Ass'y, Ft. End	1

# 716-1-269 Brake Pedal Ass'y, Head, End Control Base



Item	Part No.	Part Name	Qty.
A	716-1-275	Brake Pedal	1
B	716-1-267	Brake Rod Ass'y, Welded	1

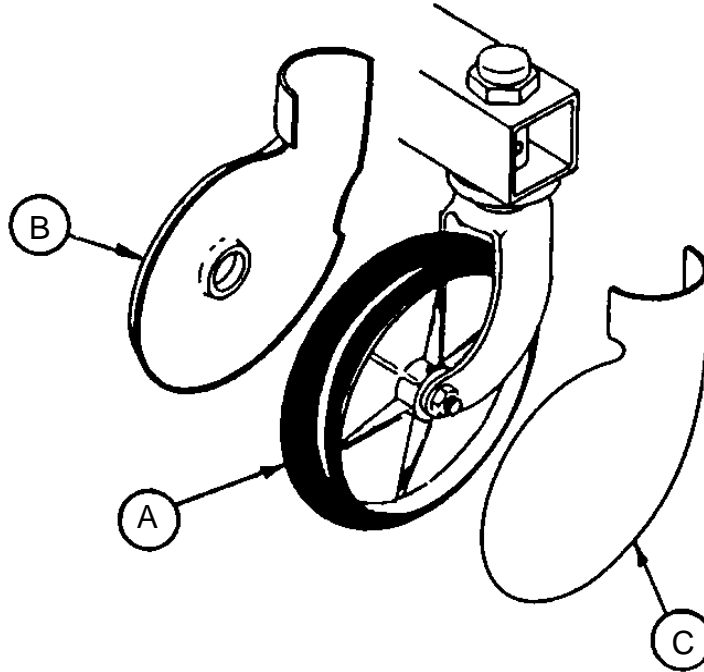
# 715-2-21 Caster Assembly with Steer Lock



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



# Caster and Caster Cover Replacement Kits



Item	Part No.	Part Name	Qty.
A	715-2-20	Caster Assembly	1
B	715-1-266	Caster Cover, Left	1
C	715-1-265	Caster Cover, Right	1

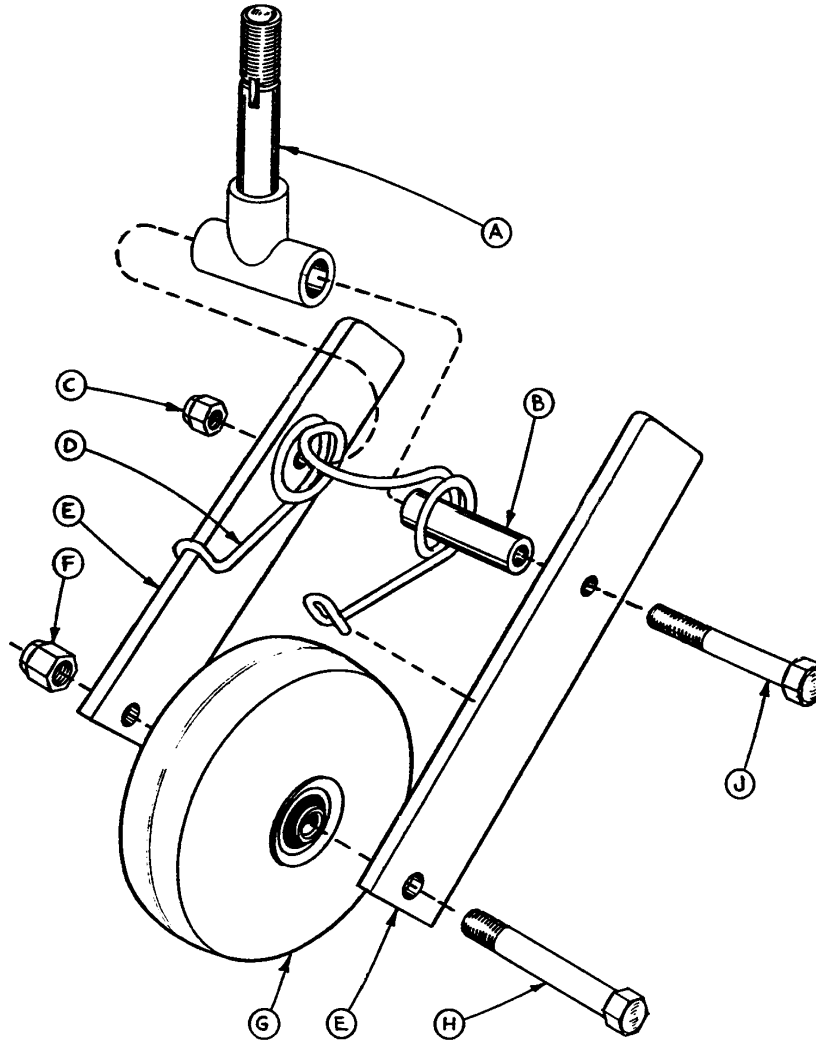
P/N 715-259-400 – Kit to replace 4 standard caster assemblies with necessary hardware – no caster covers.

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

P/N 715-259-100 – Kit to replace 1 standard caster assembly with necessary hardware – no caster covers.

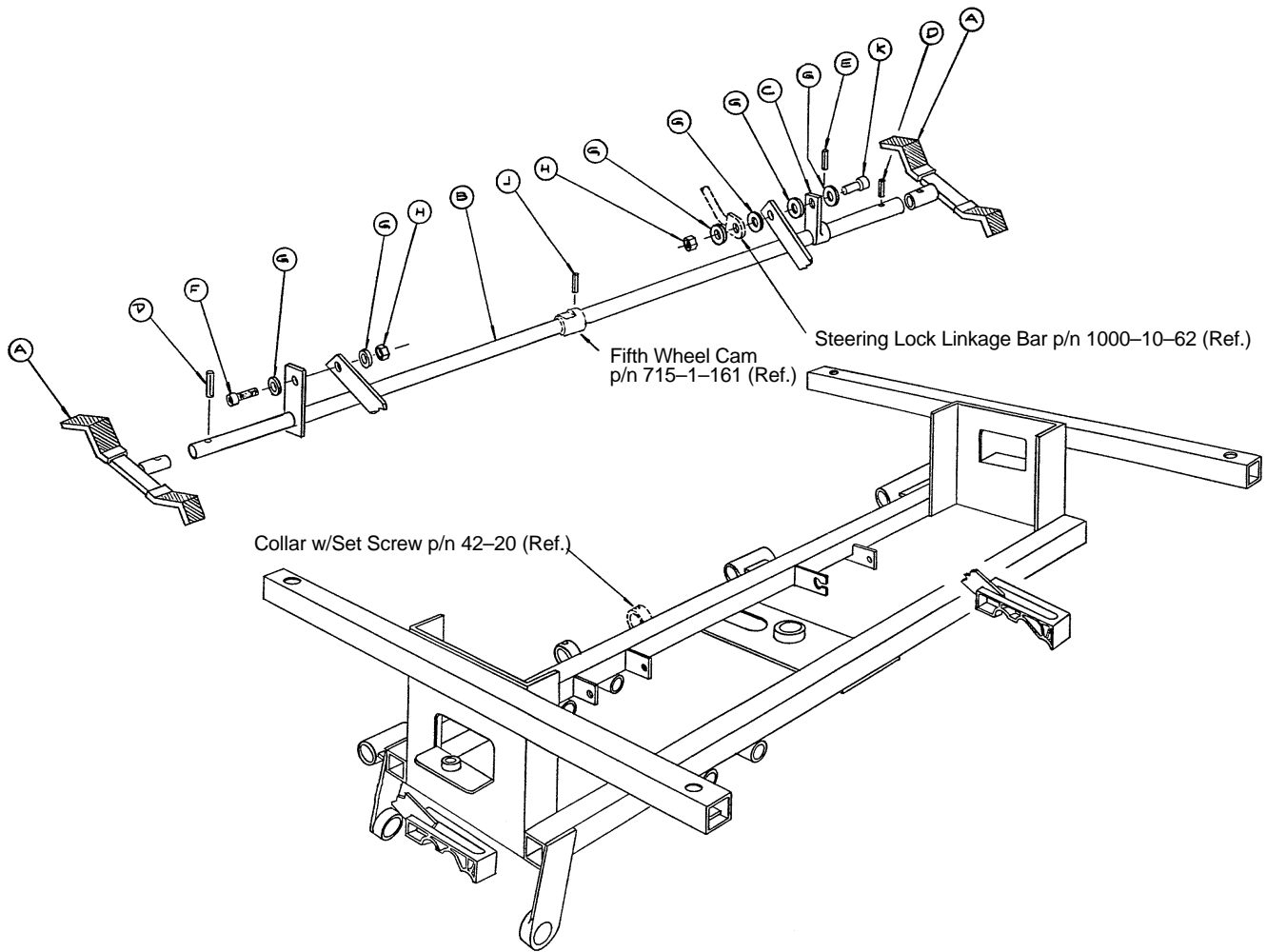
P/N 1010-56-200 – Kit to replace both caster covers on all four wheels.

# 715-1-25 Fifth Wheel Assembly



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

# 1010-90 Reduced Length Brake/Steer Base Option



Item	Part No.	Part Name	Qty.
A	1010-90-10	Brake Pedal Assembly	2
B	1010-90-24	Brake Bar	1
C	715-1-165	Actuator Plate Assembly	1
D	26-35	Roll Pin	2
E	26-13	Roll Pin	1
F	8-17	Shoulder Bolt	1
G	14-2	Nylon Washer	6
H	16-2	Fiberlock Nut	2
J	26-8	Roll Pin	1
K	8-21	Shoulder Bolt	1

## NOTE

This assembly pertains only to units equipped with the reduced length brake/steer option (for Surgi-lift clearance). The width of the brake/steer pedal will be 11 1/4 inches if the unit is equipped with this option. If the pedal is wider than 11 1/4 inches, base assembly 715-1-250 (page 30 & 31) or 716-1-251 (page 34 & 35) should be referenced.

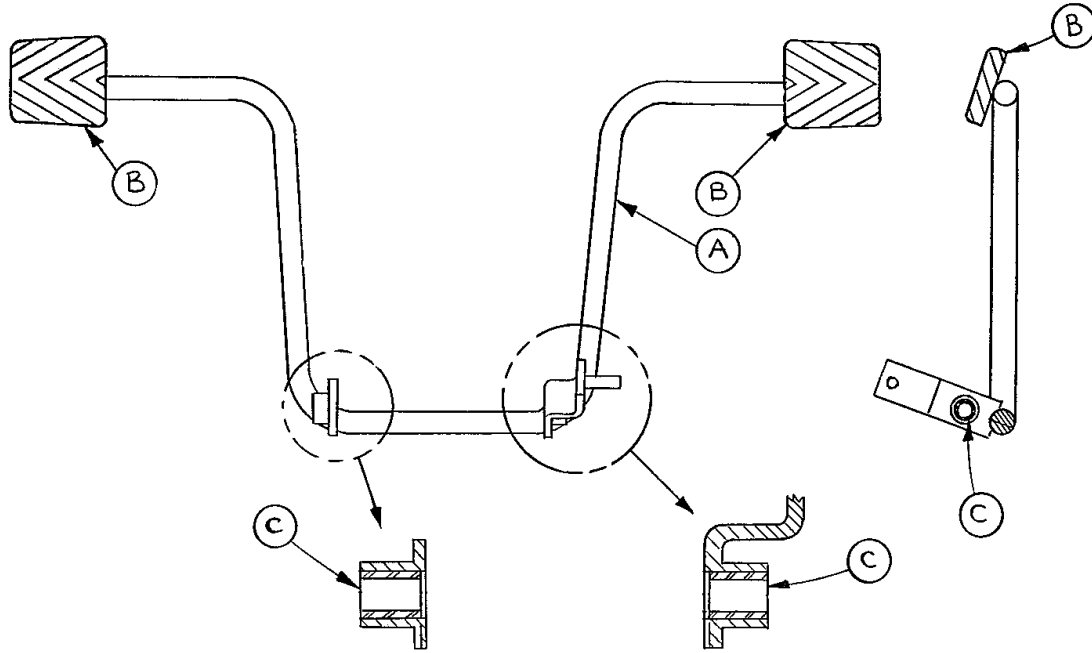


# 715-1-260 Side Control Base Assembly (with Jacks)

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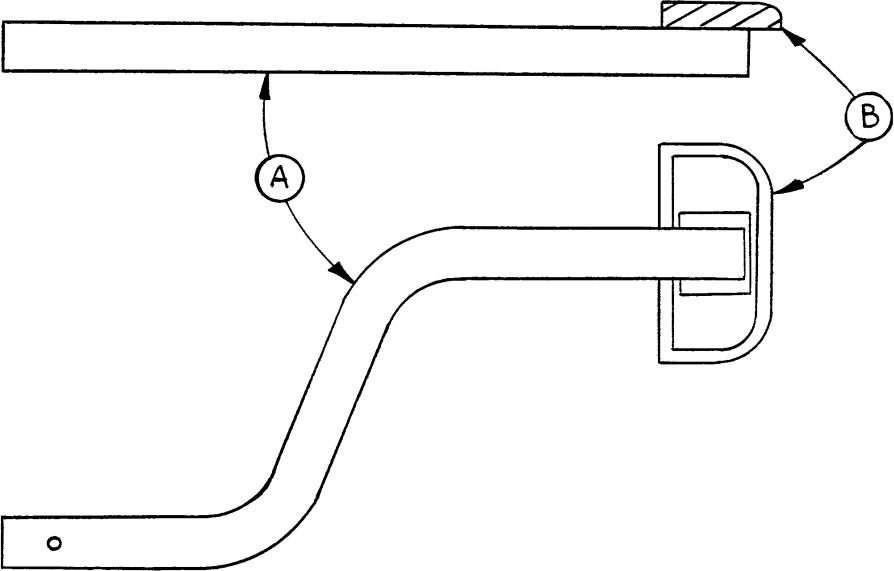
Item	Part No.	Part Name	Qty.
A	29-7	Dual Lock	2
B	(Page 51)	Jack Assembly	2
C	715-1-55	Jack Base Mounting Plate	4
D	3-62	Hex Hd. Cap Screw	8
E	11-3	Flat Washer	20
F	16-36	Nylock Hex Nut	16
H	715-1-192	Jack Support	2
J	3-85	Hex Hd. Cap Screw	4
K	3-86	Hex Hd. Cap Screw	4
L	715-1-193	Jack Support Clamp	2
M	13-38	Ext. Tooth Lock Washer	8
P	29-9	Dual Lock	2
R	763-1-16	Spring Holder	1
S	38-246	Jack Spring	1
T	715-1-133	Collar	1
W	715-1-27	Pump Connect. Rod Ass'y	1
Y	4-146	Hex Socket Hd. Cap Screw	2
Z	16-48	Nylock Hex Nut	2
AA	715-1-333	Release Rod Stop Sleeve	2
AB	715-1-346	Release Paddle	2
AC	21-50	Hex Socket Set Screw	2
AD	715-1-40	Release Rod Ass'y, Ft. End	1
AE	42-13	Shaft Collar w/ Set Screw	2
AF	52-245	Nyliner	4
AH	14-4	Nylon Washer	4
AJ	38-234	Compression Spring	2
AK	(Page 47)	Hood	1
AL	27-4	Cotter Pin	4
AM	715-1-187	Rel. Pedal Sleeve Ass'y	2
AR	4-85	Soc. Hd. Cap Screw	4
AS	16-3	Fiberlock Nut	4
AT	715-1-214	Connector Link, Mach'd	1
AW	(Page 44)	Pedal Base Assembly	1
AY	715-1-92	Pump Pedal Shaft	1
AZ	715-1-95	Bellows, Head End	1
BA	715-1-46	Rel. Rod Ass'y, Hd. End	1
BC	14-9	Nylon Washer	8
BD	715-1-140	Raufilam Braid Tubing	1
BE	715-1-134	Bellows, Foot End	1
BF	(Page 45)	Pedal Base Ass'y, Hd. Left	2
BH	(Page 46)	Pedal Base Ass'y, Hd. Right	2
BJ	3-3	Hex Hd. Cap Screw	2
BK	16-16	Fiberlock Nut	2
BL	11-53	Washer	10
BM	21-22	Set Screw	2
BN	27-15	Cotter Pin	2

# 715-1-108 Pedal Base Assembly, Pump



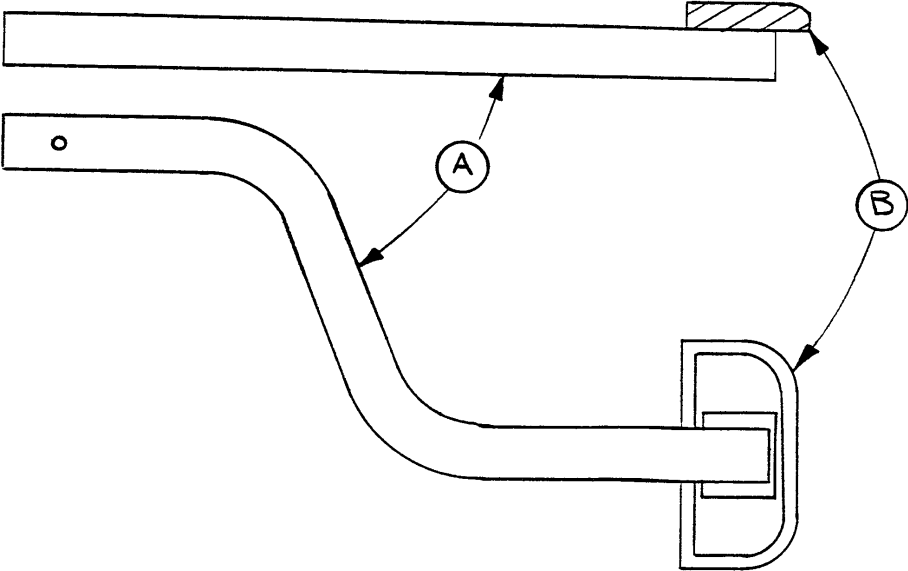
Item	Part No.	Part Name	Qty.
A	715-1-83	Pedal Ass'y Weldm't, Pump	1
B	715-1-126	Side Control Pedal Pad	2
C	81-44	Bearing, Bronze	2

# 715-1-109 Pedal Base Assembly, Head End, Left



Item	Part No.	Part Name	Qty.
A	715-1-98	Release Ped. Wldmt., Hd. Lt.	1
B	721-40-25	Pedal	1

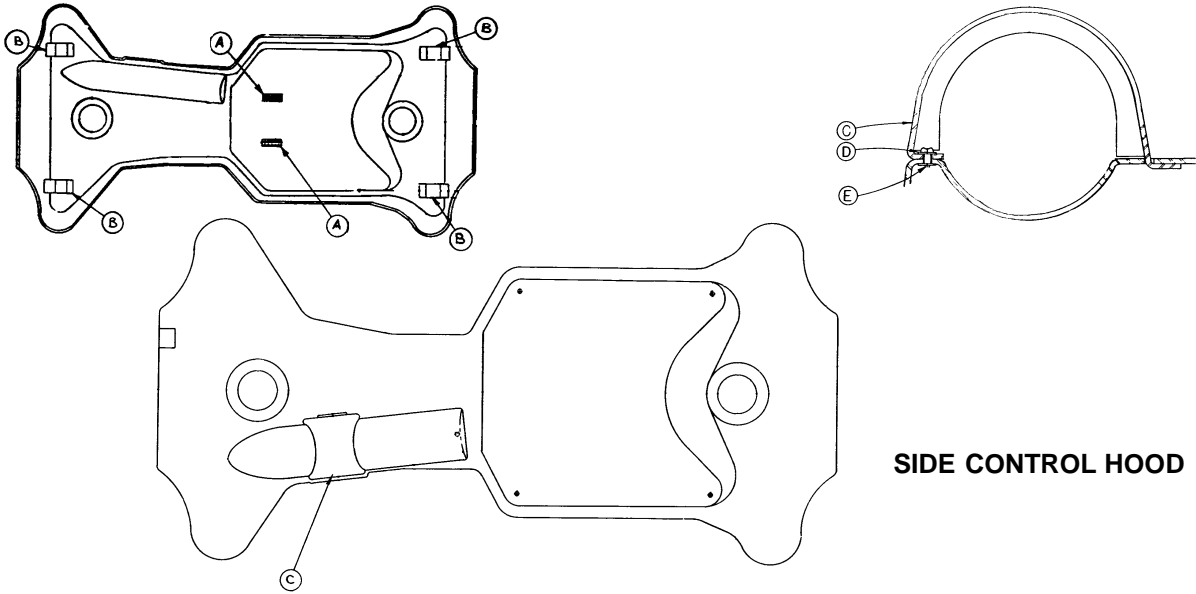
# 715-1-110 Pedal Base Assembly, Head End, Right



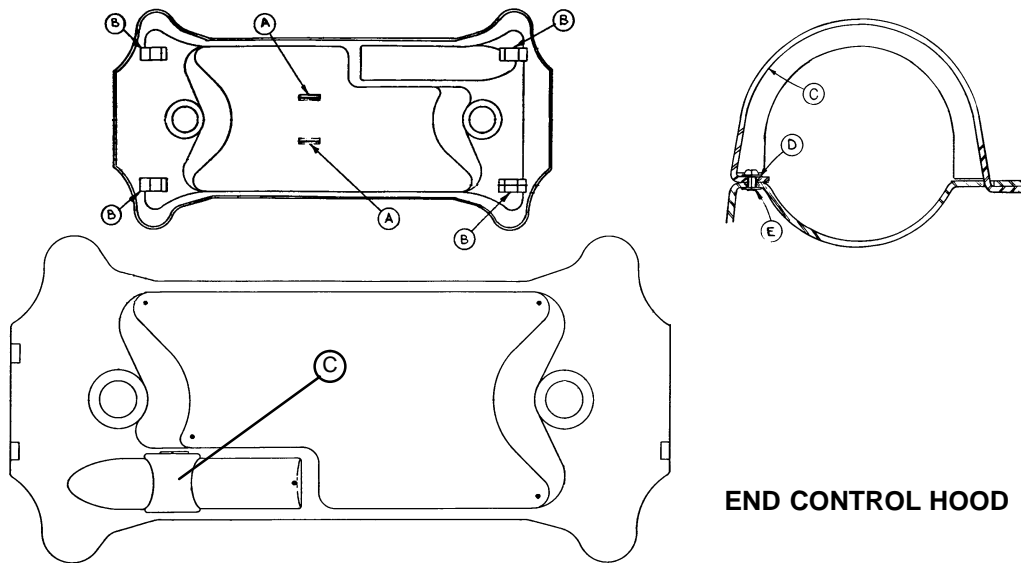
Item	Part No.	Part Name	Qty.
A	715-1-97	Release Pedal Weldment	1
B	721-40-25	Pedal	1



# 715-1-135 & 716-1-99 Side Control & End Control Hoods

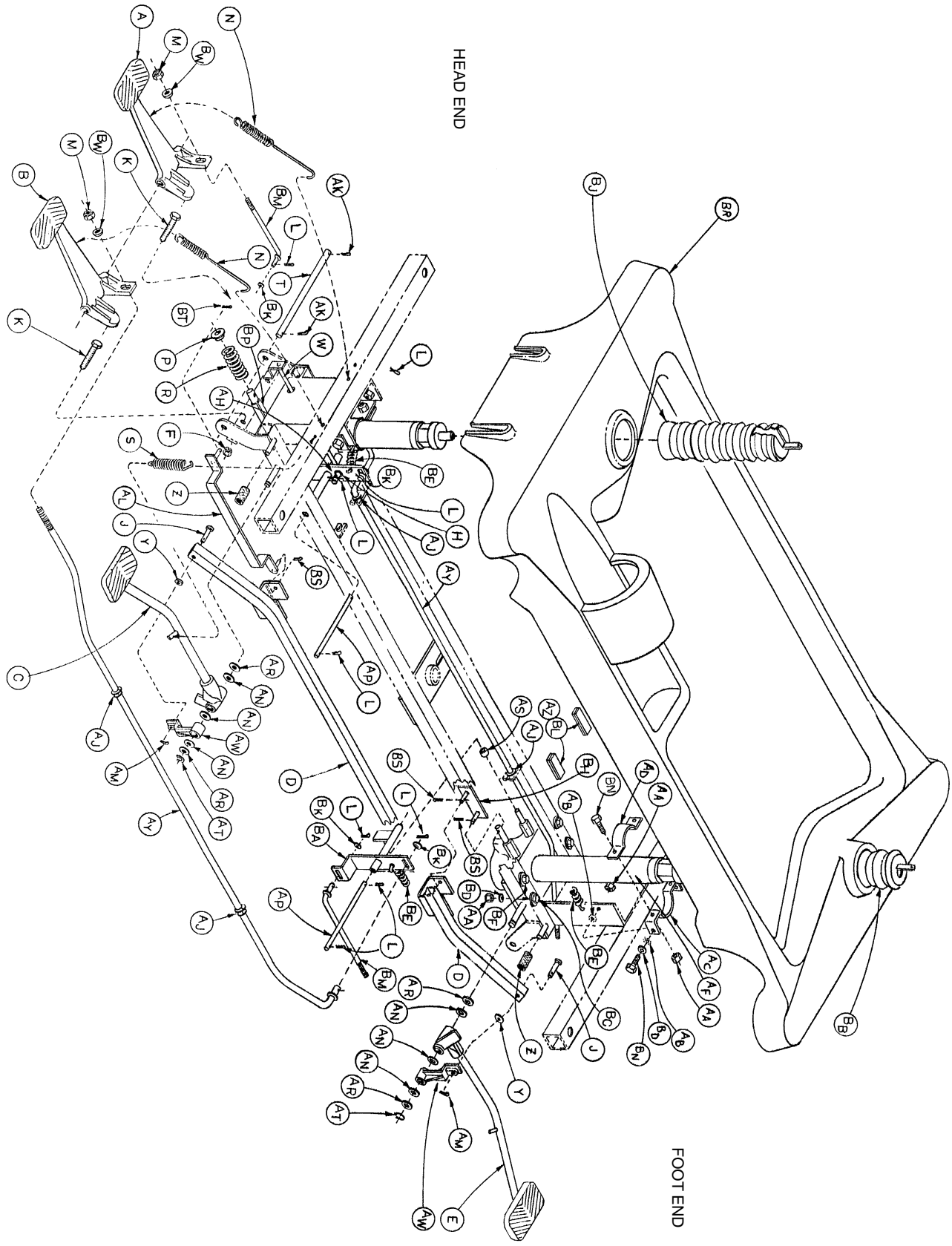


Item	Part No.	Part Name	Qty.
A	715-1-153	Hood Spacer	2
B	715-1-151	Foam Hood Mount	4
C	715-1-176	Oxygen Bottle Retainer	1
D	11-16	Washer	2
E	25-77	Pop Rivet	2



Item	Part No.	Part Name	Qty.
A	716-1-153	Hood Spacer	2
B	715-1-151	Foam Hood Mount	4
C	715-1-176	Oxygen Bottle Retainer	1
D	11-16	Washer	2
E	25-77	Pop Rivet	2

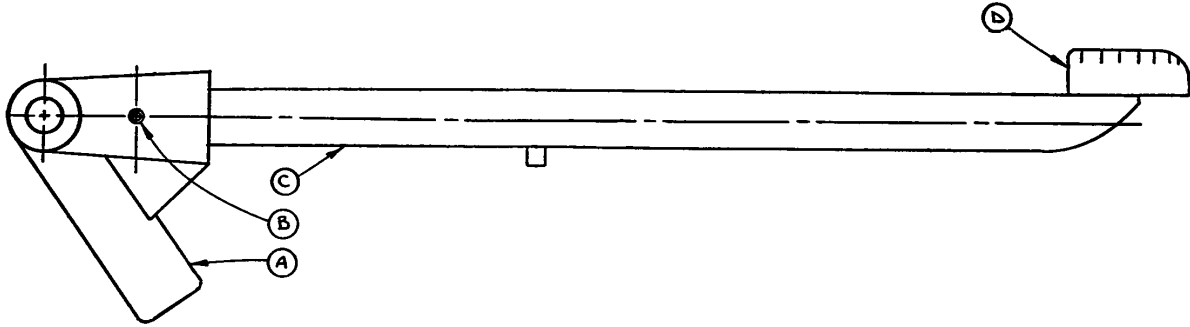
# 716-1-270 End Control Base Assembly (with Jacks)



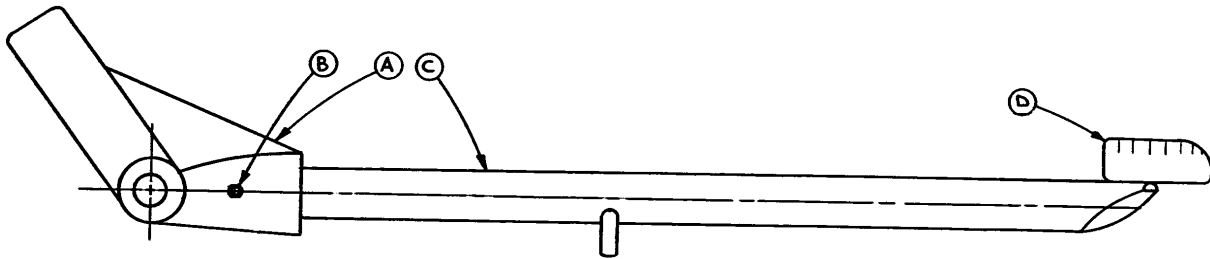
# 716-1-270 End Control Base Assembly (with Jacks)

Item	Part No.	Part Name	Qty.
A	716-1-293	Rel. Pedal, Hd. Lt. & Ft. Rt.	2
B	716-1-294	Rel. Pedal, Hd. Rt. & Ft. Lt.	2
C	(Page 50)	Pump Pedal Ass'y, Head	1
D	716-1-115	Pump Conn. Rod Ass'y	1
E	(Page 50)	Pump Pedal Ass'y, Foot	1
F	15-11	Hex Jam Nut	4
H	14-3	Washer	2
J	26-195	Clevis Pin	2
K	3-5	Hex Head Cap Screw	4
L	27-4	Cotter Pin	10
M	16-16	Nylock Nut	4
N	38-235	Spring	4
P	715-1-133	Spring Collar	1
R	763-1-15	Spring	1
S	38-251	Spring	2
T	716-1-61	Pedal Shaft	2
W	716-1-112	Rel. Rod Wldmt., Hd. Lt.	1
Y	14-9	Washer	2
Z	715-1-140	PVC Tubing	2
AA	16-36	Nylock Hex Nut	16
AB	13-38	Ext. Tooth Lock Washer	4
AC	715-1-192	Jack Support	2
AD	715-1-193	Jack Clamp	2
AF	(Page 51)	Jack Assembly	2
AH	716-1-119	Pivot Assembly, Head End	1
AJ	52-245	Nyliner	3
AK	27-7	Cotter Pin	4
AL	716-1-109	Pump Link Bar Wldmt., Hd.	1
AM	27-16	Cotter Pin	2
AN	14-7	Nylon Flat Washer	6
AP	716-1-15	Release Pivot Bar	2
AR	11-13	Flat Washer	4
AS	715-1-333	Release Rod Stop Sleeve	2
AT	28-97	Snap Ring	2
AW	716-1-281	Pump Idler Link	2
AY	716-1-71	Release Rod Ass'y	2
AZ	29-7	Dual Lock	2
BA	716-1-52	Pivot Assembly, Foot	1
BB	716-1-134	Bellows, Foot End	1
BC	3-62	Hex Hd. Cap Screw	8
BD	11-3	Washer	12
BE	38-259	Extension Spring	2
BF	11-262	Flat Washer	8
BH	716-1-102	Pump Link Wldmt. Ass'y, Ft.	1
BJ	715-1-95	Bellows, Head End	1
BK	14-2	Washer	4
BL	29-9	Dual Lock	2
BM	716-1-75	Release Rod	2
BN	3-85	Hex Hd. Cap Screw	8
BP	763-1-16	Spring Guide	1
BR	(Page 47)	Hood	1
BS	27-13	Cotter Pin	3
BT	27-3	Cotter Pin	1
BW	716-1-286	Cam, Release Pedal	4

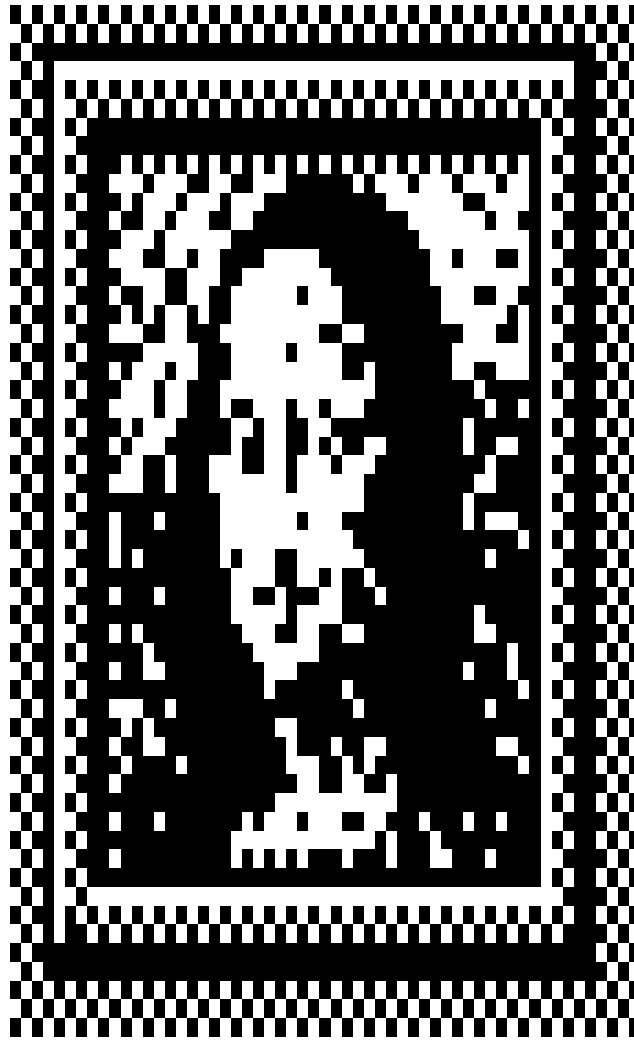
# 716-1-292 & 288 Pump Pedal Assembly, Head & Foot



Item	Part No.	Part Name	Qty.
A	716-1-285	Pump Pivot, Head End	1
B	26-12	Roll Pin	1
C	716-1-290	Pump Ped. Wldmt., Head	1
D	721-40-25	Pedal	1



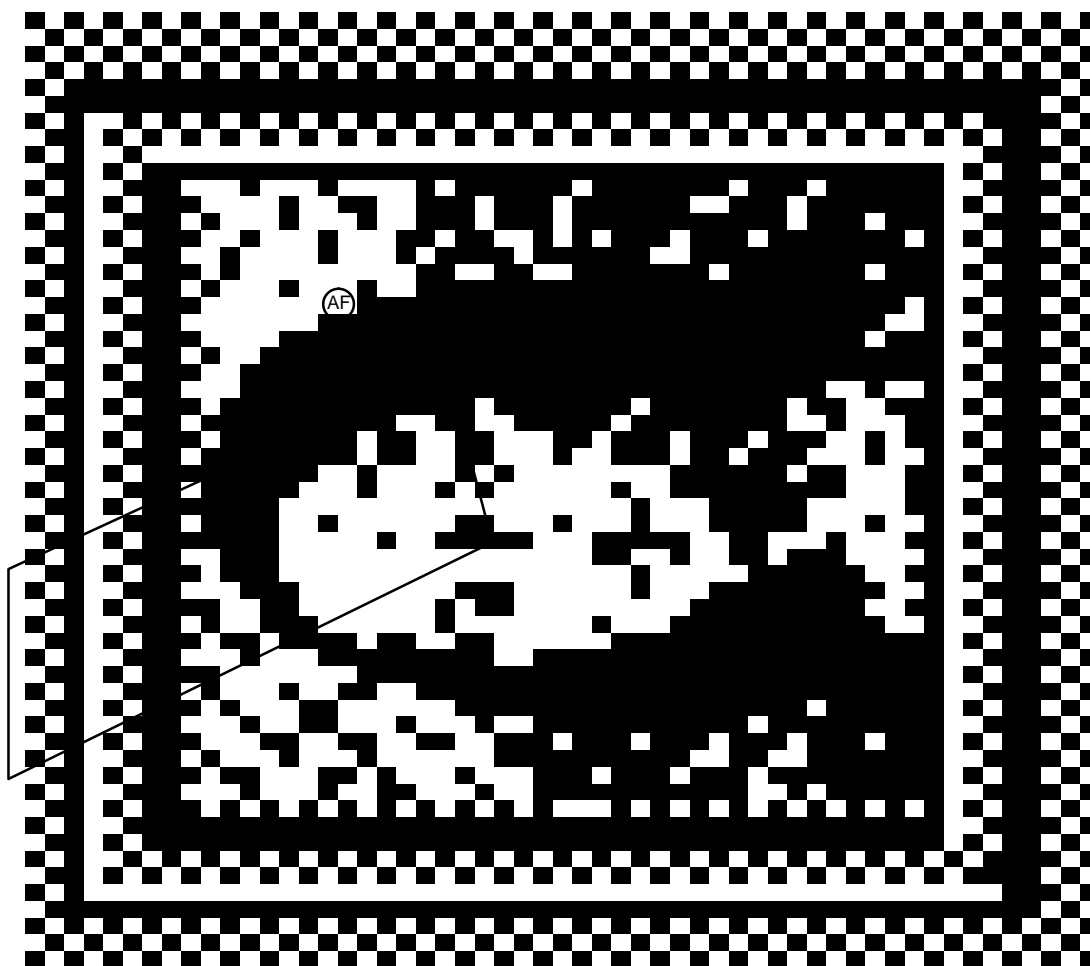
Item	Part.No.	Part Name	Qty.
A	716-1-283	Pump Pivot, Foot End	1
B	26-12	Roll Pin	1
C	716-1-289	Pump Ped. Wldmt., Foot	1
D	721-40-25	Pedal	1



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	45-904	O-Ring	1	L	45-110	O-Ring	1
B	715-1-340	Cap Assembly	1	M	388-1-38	Plug	1
C	390-1-243	Gasket	1	N	715-1-322	Reservoir	1
D	715-1-323	Actuator Cylinder	1	P	390-1-244	Gasket	1
E	715-1-325	Actuator	1	R	390-1-238	Gasket, Actuator	1
F	45-14	O-Ring	1	S	(Page 52)	Jack Base Assembly	1
G	926-20-161	Parker Packing	1	T	390-2-139	Retaining Collar	2
H	715-1-331	Piston End	1	W	715-1-333	Rel. Valve Stop Sleeve	1
J	926-20-162	Wear Ring	1	Y	715-100-311	Label	1
K	4-14	Soc. Hd. Cap Screw	1				

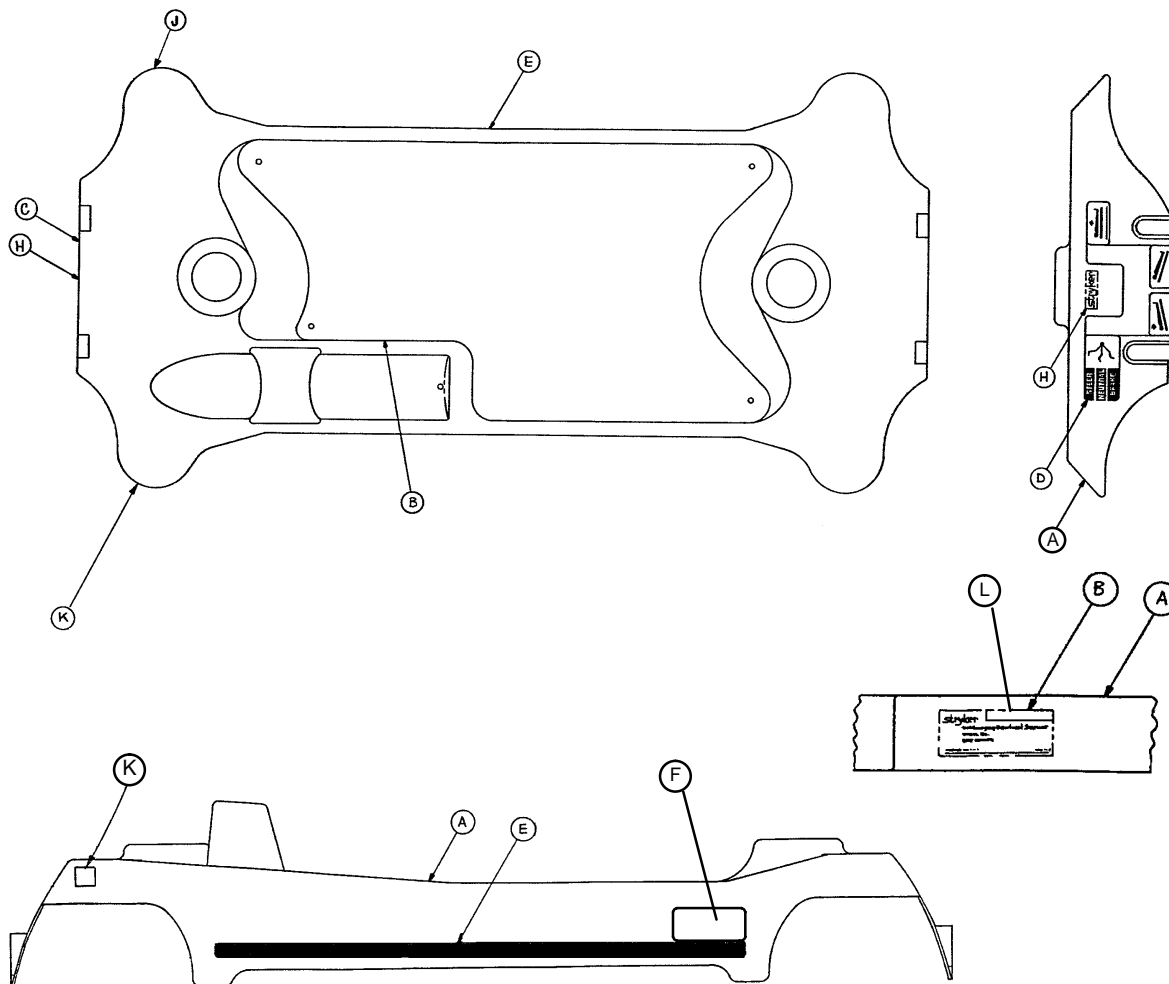
\*Replacement Part Number 715-100-310.

# 715-1-300 Jack Base Assembly, Foot Control



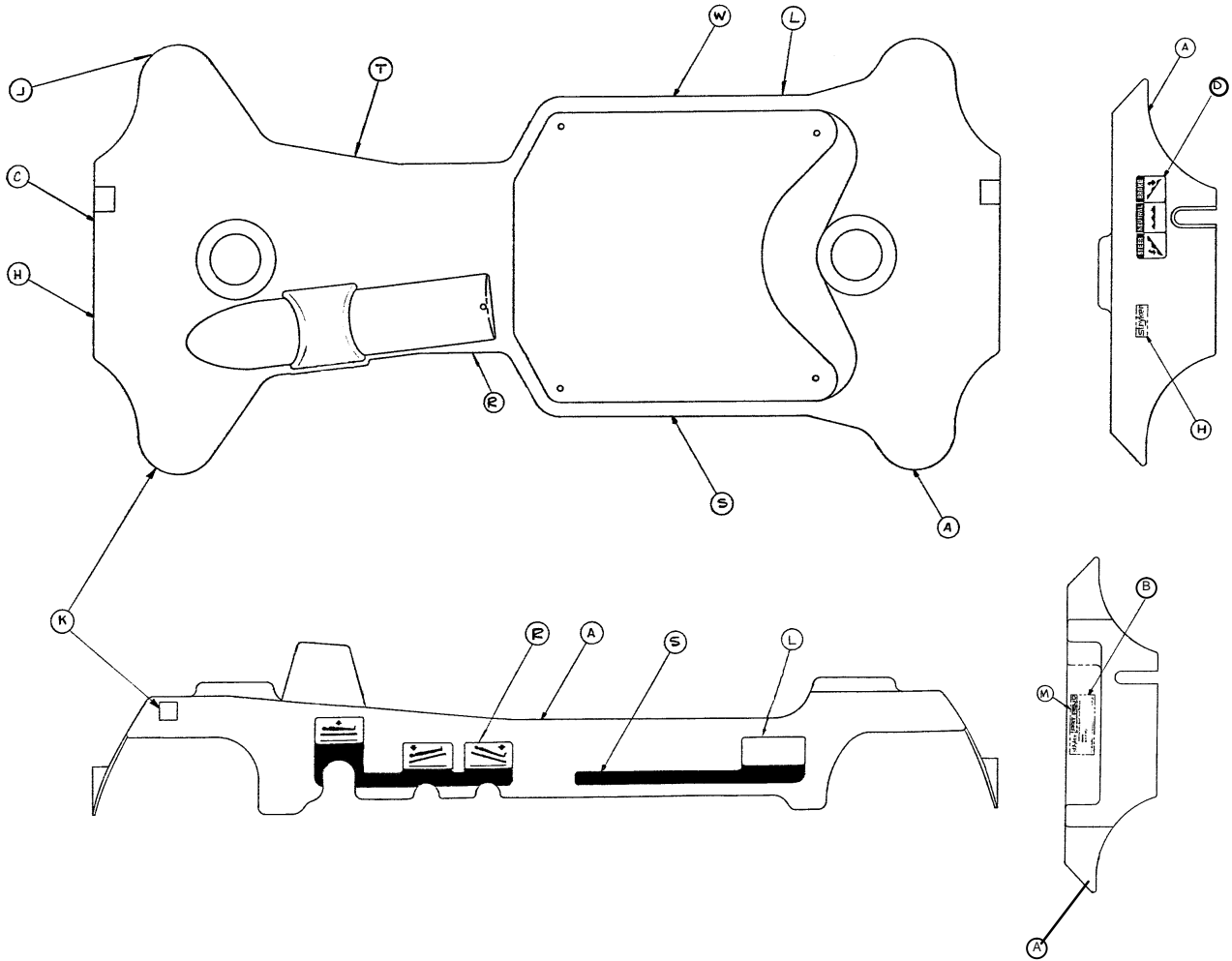
Item	Part No.	Part Name	Qty.
A	715-1-312	Base, Machined	1
B	715-1-308	Base Plug	1
C	715-1-306	Pin	1
D	28-8	Snap Ring	1
E	390-2-176	Washer	1
F	38-231	Compression Spring	1
H	45-6	O-Ring	2
J	715-1-305	Pin Housing	1
K	715-1-330	Housing Gasket	1
L	715-1-309	Valve Plug	2
M	926-20-153	Check Valve	2
N	926-20-154	Seal	2
P	715-1-318	Pump Piston	1
R	45-110	O-Ring	1
S	715-1-328	Piston Wear Ring	1
T	14-50	Bearing Retainer	1
W	715-1-327	Cylinder Wear Ring	1
X	715-1-316	Pump Cylinder	1
Y	715-1-329	Pump Seal	1
AA	715-1-307	Needle Valve	1
AB	926-20-156	Seal	2
AC	715-1-301	Base Plug	2
AD	715-1-341	Poppet	1
AE	390-2-134	Conical Comp. Spring	1
AF	715-100-312	Pin Housing Assembly	1

# End Control Base Hood Labeling Assembly



Item	1030 P/N	1530 P/N	Part Name	Qty.
A	(page 47)	(page 47)	Hood Assembly	1
B	1030-1-56	1530-1-56	Specification Label	1
C	716-1-78	1510-35-20	Brake/Steer Label, Head	1
D	716-1-79	1510-35-21	Brake/Steer Label, Foot	1
E	741-1-141	1510-35-19	Side Strip Label	2
F	1030-1-50	1030-1-50	Thermaltek Series Logo Label	2
H	946-1-60	946-1-60	Stryker Logo Label	2
J	741-34-18	741-34-18	"Head Point" Label, Left	1
K	741-34-19	741-34-19	"Head Point" Label, Right	1
L	1030-1-60	1030-1-60	"Patent Pending" Label	1

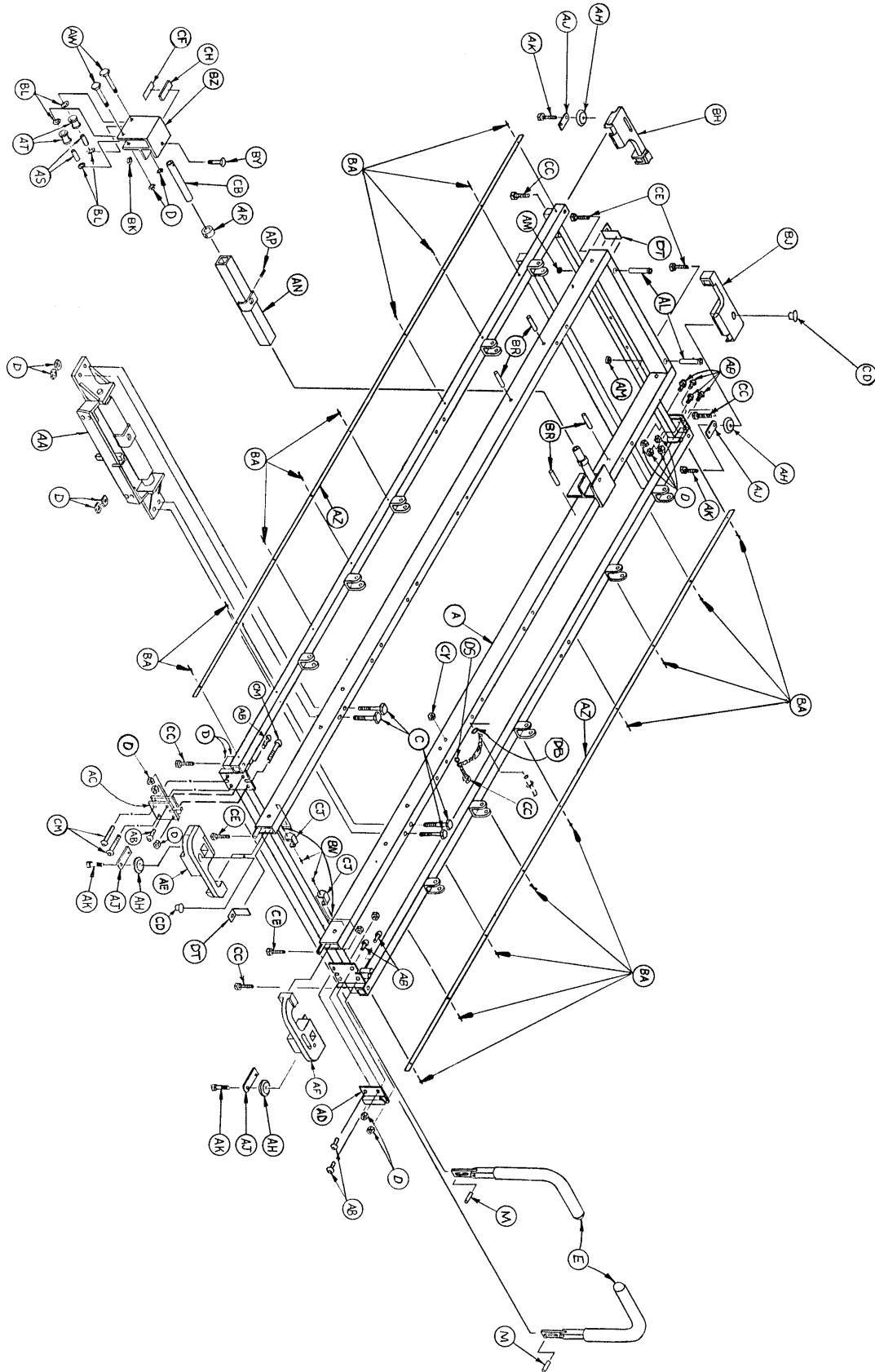
# Side Control Base Hood Labeling Assembly



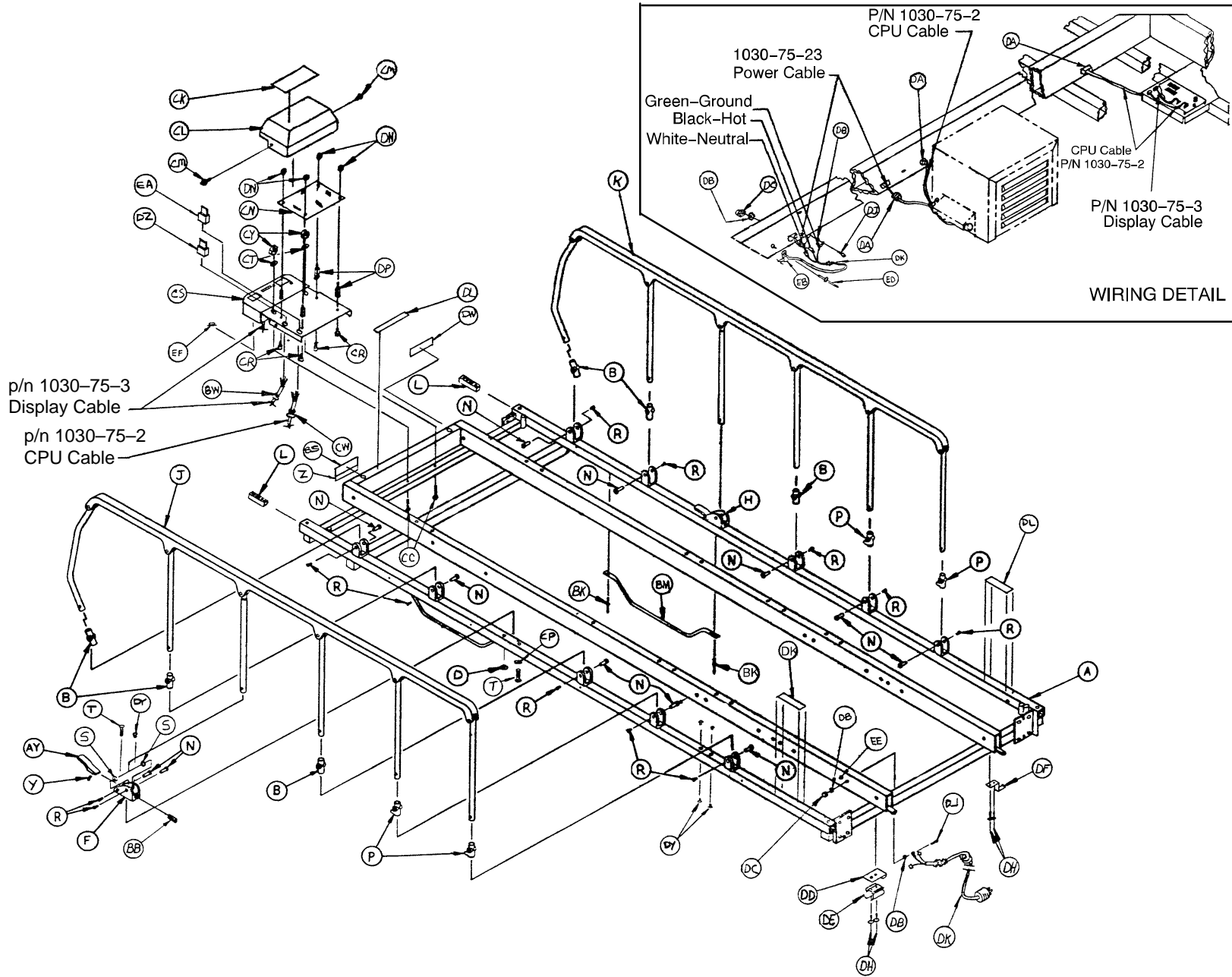
Item	1030 (Red)	1530 (Purple)	Part Name	Qty
A	(page 47)	(page 47)	Hood Assembly	1
B	1030-1-56	1530-1-56	Specification Label	1
C	741-1-145	741-1-145	Brake/Steer Label, Head	1
D	741-1-146	741-1-146	Brake/Steer Label, Foot	1
H	946-1-60	946-1-60	Stryker Logo Label	2
J	741-34-18	741-34-18	"Head Point" Label, Left	1
K	741-34-19	741-34-19	"Head Point" Label, Right	1
L	1030-1-50	1030-1-50	Thermaltek Series Logo Label	2
M	1030-1-60	1030-1-60	"Patent Pending" Label	1
R	741-2-13	741-2-9	Right Side Control Label	1
S	741-2-14	741-2-10	Right Side Strip Label	1
T	741-2-15	741-2-11	Left Side Control Label	1
W	741-2-16	741-2-12	Left Side Strip Label	1



# 1030-1-10 Folddown Siderail Litter Assembly



# 1030-1-10 Folddown Siderail Litter Assembly

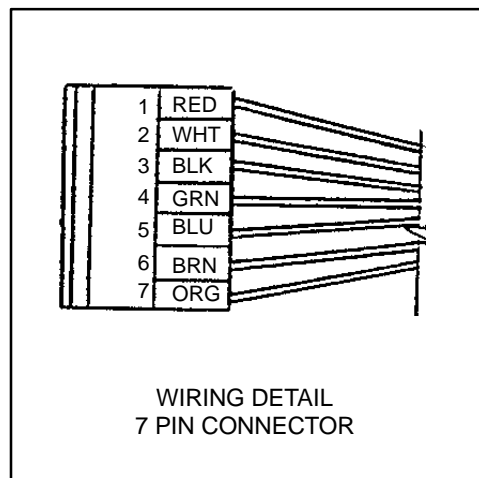
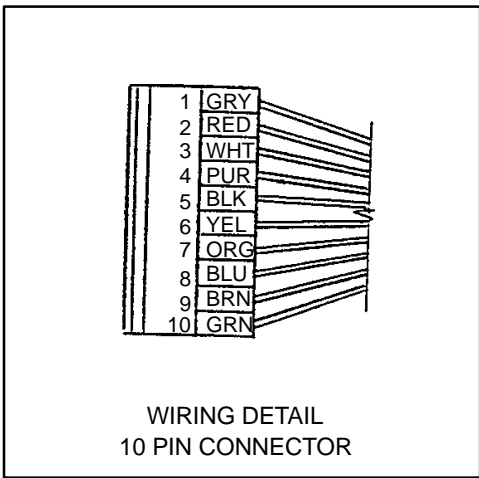
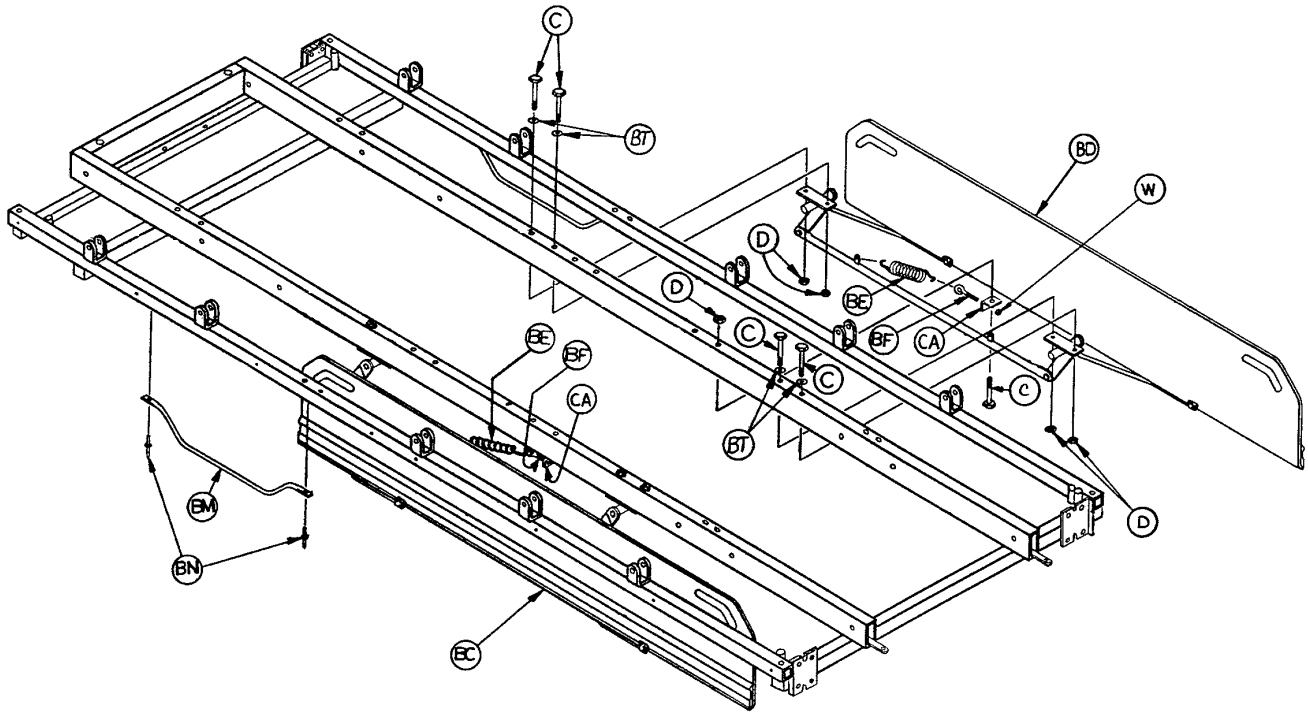


# 1030-1-10 Falddown Siderail Litter Assembly

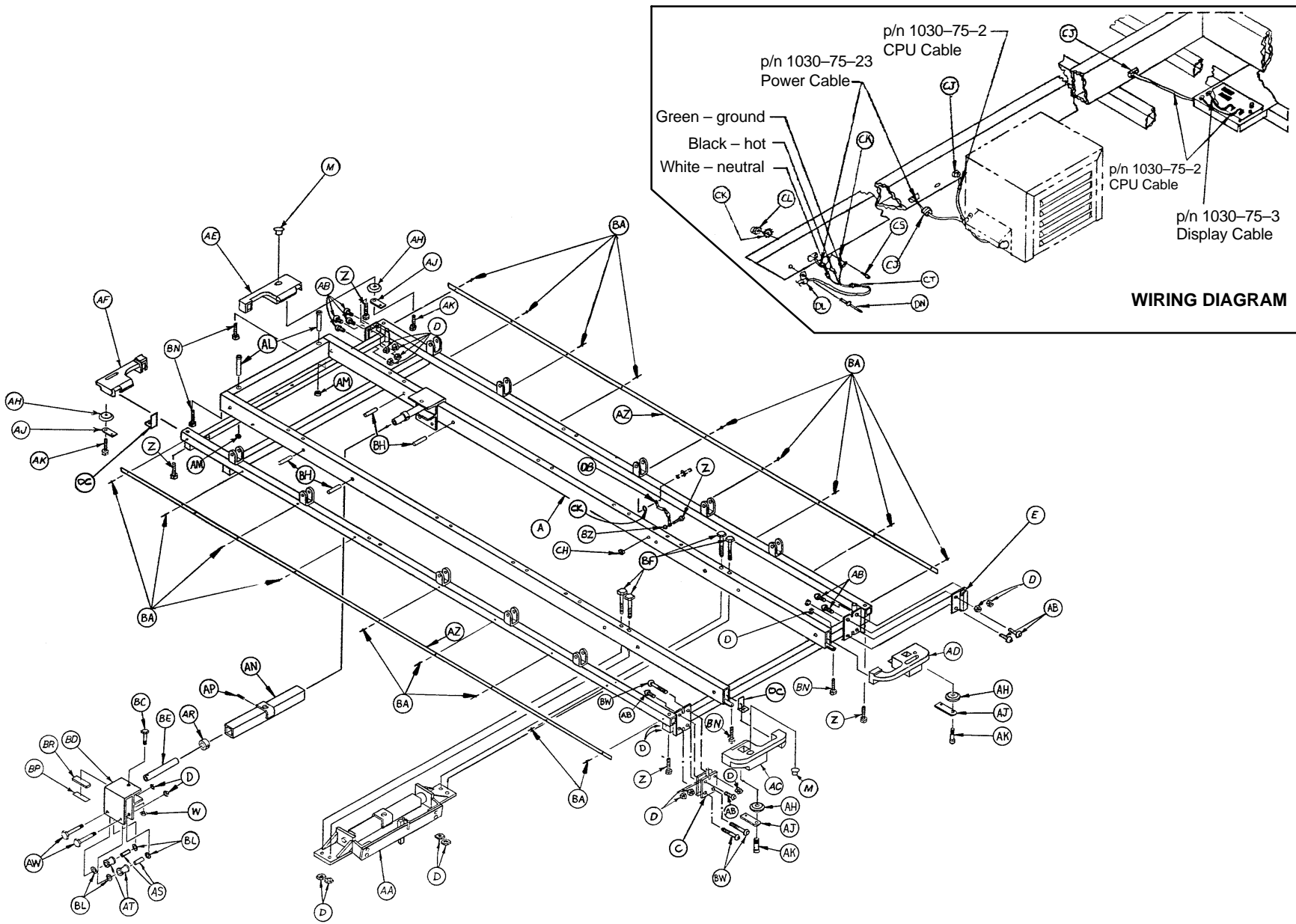
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1030-1-20	Frame Assembly	1	BP	4-163	Cap Screw	3
B	721-26-69	Upright Sleeve	6	BR	26-57	Roll Pin	4
C	3-73	Hex Hd. Cap Screw	14	BS	2020-1-154	UL Label	1
D	16-28	Nylock Hex Nut	33	BT	11-180	Flat Washer	8
E	(page 87)	Handle Assembly	2	BW	52-260	Strain Relief Bushing	1
F	1010-26-81	Lock Hsg. Ass'y, Left	1	BY	3-40	Hex Hd. Cap Screw	2
H	1010-26-80	Lock Hsg. Ass'y, Right	1	BZ	1010-32-108	Roller Assembly	2
J	(page 88)	Siderail Ass'y, Right	1	CA	1010-24-25	Spring Retainer	2
K	(page 88)	Siderail Ass'y, Left	1	CB	1010-32-64	Carrier Tube, Std.	2
L	1010-26-69	Lock Support	2	CC	3-47	Hex Hd. Cap Screw	7
M	26-12	Roll Pin	2	CD	37-59	Hole Plug	2
N	721-26-66	Pivot Screw	14	CE	3-54	Hex Hd. Cap Screw	4
P	721-26-68	Upright Cradle	4	CF	919-30-28	Rack Guide	2
R	4-136	But. Hd. Cap Screw	14	CH	44-29	Dbl.-Sid. Foam Tape	6"
S	11-179	Nylon Flat Washer	4	CJ	1010-1-35	Handle Rest	2
T	4-135	Hex Hd. Cap Screw	4	CK	988-2-708	Caution Label	1
W	15-21	Jam Nut	2	CL	1030-33-21	Control Cover	1
Y	38-220	Compression Spring	2	CM	23-25	Hex Hd. Tap. Screw	2
Z	1030-1-60	Patent Pending Label	1	CN	1030-75-18	CPU Board	1
AA	(page 62)	J. Supt. & Trend. Limiter	1	CP	11-2	Flat Washer	2
AB	4-161	Cap Screw	10	CR	4-72	But. Hd. Cap Screw	4
AC	1010-54-70	Socket Ass'y, Left	1	CS	(page 104)	Display Box Ass'y	1
AD	1010-54-71	Socket Ass'y, Right	1	CT	11-64	Flat Washer	2
AE	1010-1-15	Cover, Head, Left	1	CW	52-254	Strain Relief Bushing	1
AF	1010-1-16	Cover, Head, Right	1	CY	16-28	Lock Nut	3
AH	721-32-49	Bumper Roller	4	DA	52-257	Strain Relief Bushing	3
AJ	1010-1-17	Roller Plate	4	DB	13-18	Star Washer	4
AK	8-24	Shoulder Bolt	4	DC	17-10	Acorn Nut	1
AL	721-40-26	Footboard Receptacle	2	DD	1030-75-14	Clip Backing Plate	1
AM	28-23	Retaining Ring	2	DE	58-4	Power Cord Clip	1
AN	1010-32-85	Support Tube Ass'y	1	DF	1030-75-13	Power Cord Hook	1
AP	46-1	Sq. Hd. Set Screw	1	DH	25-103	Pop Rivet	4
AR	938-1-401	Collar Assembly	2	DJ	4-29	Soc. Hd. Cap Screw	1
AS	721-32-107	Roller Sleeve	4	DK	1030-75-6	Power Cord Ass'y	1
AT	721-32-108	Support Roller	4	DL	1030-1-57	Steam Clean Label	1
AW	3-76	Hex Hd. Cap Screw	4	DM	2010-1-115	Caution Label	1
AY	721-26-74	Lock Handle, Mach.	2	DN	16-43	Hex Nut	4
AZ	1010-1-56	Bumper Channel	2	DP	52-50	Stand Off	4
BA	25-40	Pop Rivet	18	DR	460-2-32	Grounding Cable	1
BB	21-104	Set Screw	2	DS	13-10	Star Washer	1
BC	(page 83)	Trans. Sys. Ass'y, Lt.	1	DT	1030-1-23	Spine Tube Inner Angle	2
BD	(page 84)	Trans. Sys. Ass'y, Rt.	1	DW	856-2-44	Warning Label	1
BE	38-218	Tension Spring	2	DY	37-74	Hole Plug	10
BF	10-11	Eye Bolt	2	DZ	59-65	10 Pin Connector	1
BH	1010-1-14	Cover, Foot, Left	1	EA	59-64	7 Pin Connector	1
BJ	1010-1-13	Cover, Foot, Right	1	EB	34-22	Cable Clamp	1
BK	16-11	Flexlock Nut	2	EC	721-31-65	Hole Plug	16
BL	11-14	Flat Washer	8	ED	25-86	Pop Rivet	1
BM	1010-32-92	Foley Bag Rack	2	EE	36-46	Ground Label	1
BN	25-79	Pop Rivet	8	EF	37-30	Hole Plug	1
				EH	1030-20-1	Sleeve Packet	1*

\* Not Shown

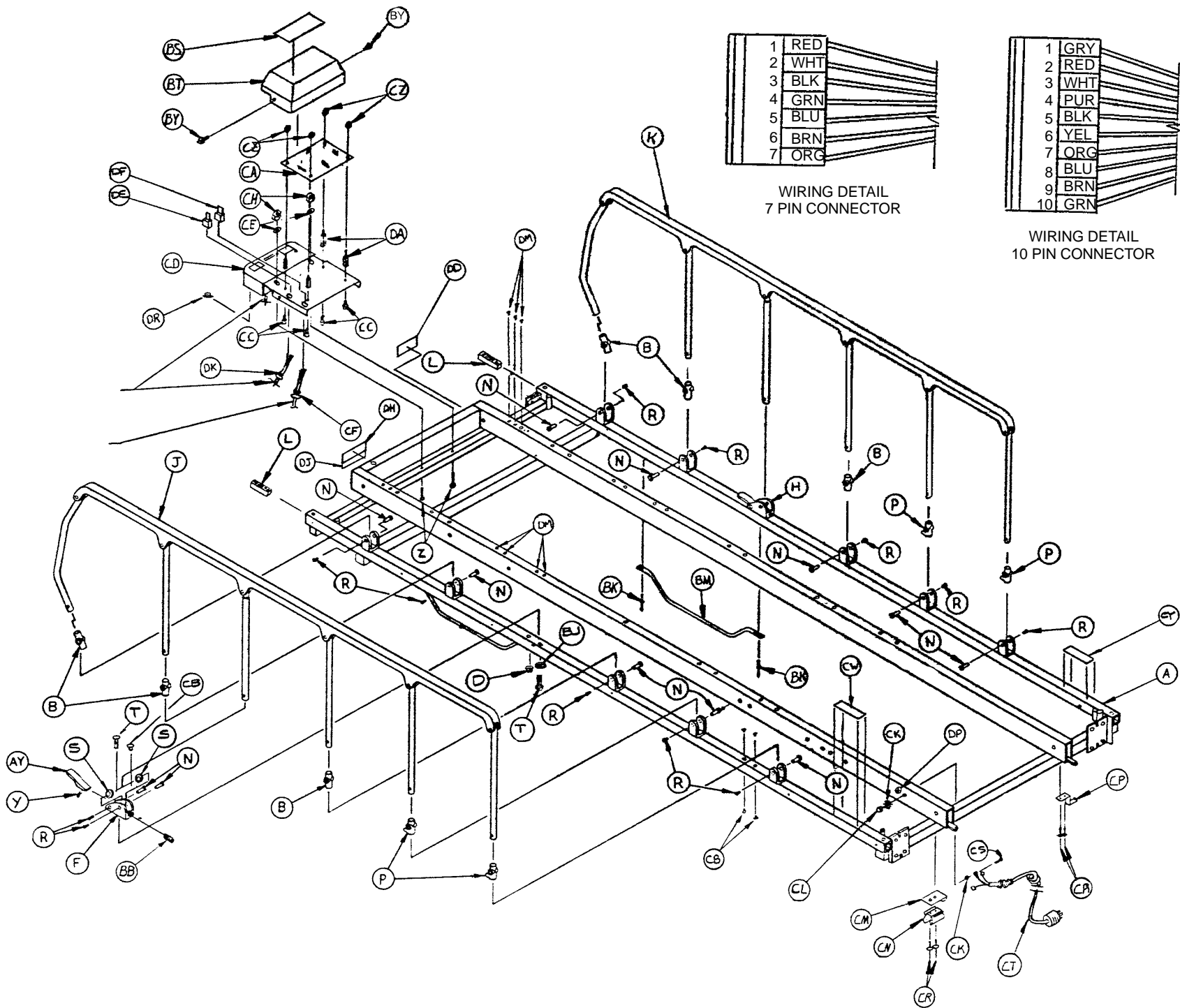
# 1030-1-10 Folddown Siderail Litter Assembly



# 1530-1-10 Folddown Siderail Litter Assembly



# 1530-1-10 Folddown Siderail Litter Assembly

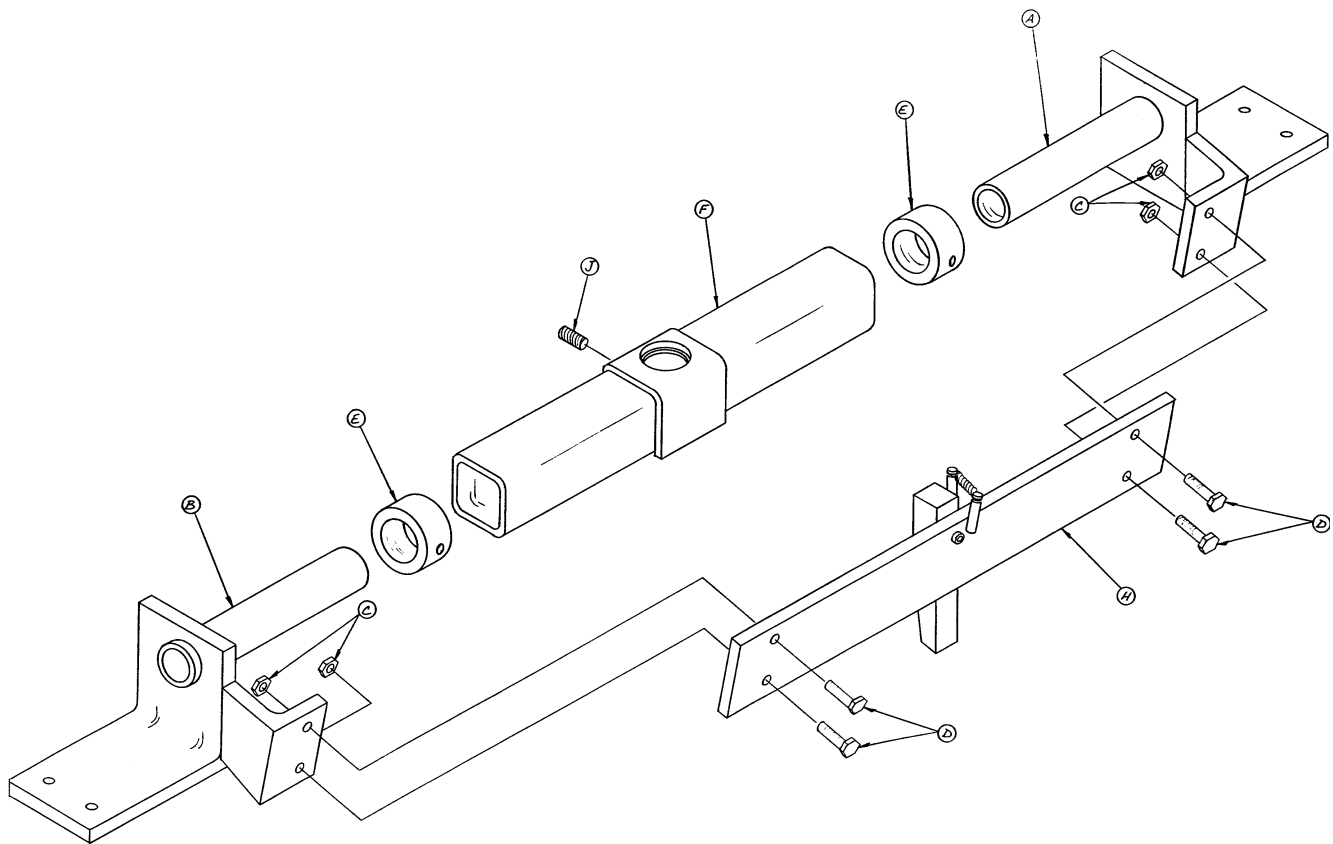


# 1530-1-10 Folddown Siderail Litter Assembly

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1530-1-20	Frame Assembly	1	BJ	11-2	Flat Washer	2
B	721-26-69	Upright Sleeve	6	BK	25-79	Pop Rivet	4
C	1010-54-70	Socket Ass'y, Left	1	BL	11-14	Washer	8
D	16-28	Nylock Hex Nut	23	BM	1010-32-92	Foley Bag Rack	2
E	1010-54-71	Socket Ass'y, Right	1	BN	3-54	Hex Hd. Cap Screw	4
F	1010-26-81	Lock Hsg. Ass'y, Left	1	BP	919-30-28	Rack Guide	2
H	1010-26-80	Lock Hsg. Ass'y, Right	1	BR	44-29	Dbl.-Sided Foam Tape	6"
J	(page 88)	Siderail Ass'y, Left	1	BS	988-2-708	Caution Label	1
K	(page 88)	Siderail Ass'y, Right	1	BT	1030-33-21	Control Cover	1
L	1010-26-69	Lock Support	2	BW	4-163	H. Soc. But. Cap Scr.	3
M	37-59	Hole Plug	2	BY	23-25	Hex Hd. Tap. Screw	2
N	721-26-66	Pivot Screw	14	BZ	13-10	Star Washer	1
P	721-26-68	Upright Cradle	4	CA	1030-75-18	CPU Board	1
R	4-136	But. Hd. Cap Screw	14	CB	37-74	Hole Plug	10
S	11-179	Nylon Flat Washer	4	CC	4-72	But. Hd. Cap Screw	4
T	4-135	But. Hd. Cap Screw	4	CD	(page 104)	Display Box Ass'y	1
W	16-11	Flexlock Nut	2	CE	11-64	Flat Washer	2
Y	38-220	Compression Spring	2	CF	52-254	Strain Relief Bushing	1
Z	3-47	Hex Hd. Cap Screw	7	CH	16-28	Lock Nut	3
AA	(page 62)	J. Supt. & Trend Limiter	1	CJ	52-257	Strain Relief Bushing	3
AB	4-161	H. Soc. But. Hd. Cap Scr.	10	CK	13-18	Star Washer	4
AC	1010-1-15	Cover, Head, Left	1	CL	17-10	Acorn Nut	1
AD	1010-1-16	Cover, Head, Right	1	CM	1030-75-14	Clip Backing Plate	1
AE	1010-1-13	Cover, Foot, Right	1	CN	58-4	Power Cord Clip	1
AF	1010-1-14	Cover, Foot, Left	1	CP	1030-75-13	Power Cord Hook	1
AH	721-32-49	Bumper Roller	4	CR	25-103	Pop Rivet	4
AJ	1010-1-17	Roller Plate	4	CS	4-29	Soc. Hd. Cap Screw	1
AK	8-24	Shoulder Bolt	4	CT	1030-75-6	Power Cord Ass'y	1
AL	721-40-26	Footboard Receptacle	2	CW	2010-1-115	Caution Label	1
AM	28-23	Retaining Ring	2	CY	1030-1-57	Steam Clean Label	1
AN	1510-32-20	Support Tube Ass'y	1	CZ	16-43	Hex Nut	4
AP	46-1	Sq. Hd. Set Screw	1	DA	52-50	Standoff	4
AR	938-1-401	Collar Assembly	2	DB	460-2-32	Grounding Cable	1
AS	721-32-107	Roller Sleeve	4	DC	1030-1-23	Spine Tube Inner Angle	2
AT	721-32-108	Support Roller	4	DD	856-2-44	Warning Label	1
AW	3-76	Hex Hd. Cap Screw	4	DE	59-65	10 Pin Connector	1
AY	721-26-74	Lock Handle, Mach'd	2	DF	59-64	7 Pin Connector	1
AZ	1010-1-56	Bumper Channel	2	DH	2020-1-154	UL Label	1
BA	25-40	Pop Rivet	18	DJ	1030-1-60	Patent Pending Label	1
BB	21-104	Set Screw	2	DK	52-260	Strain Relief Bushing	1
BC	3-40	Hex Hd. Cap Screw	2	DL	34-22	Cable Clamp	1
BD	1010-32-108	Roller Assembly	2	DM	721-31-65	Hole Plug	16
BE	1010-32-64	Carrier Tube, Std.	2	DN	25-86	Pop Rivet	1
BF	3-73	Hex Hd. Cap Screw	4	DP	36-46	Ground Label	1
BH	26-57	Roll Pin	4	DR	37-30	Hole Plug	1
				DS	1030-20-1	Sleeve Packet	1*

\* Not Shown

# 1010-23-41 & 1510-23-20 Jack Supt. & Trend. Limiter Ass'y



## 1010-23-41

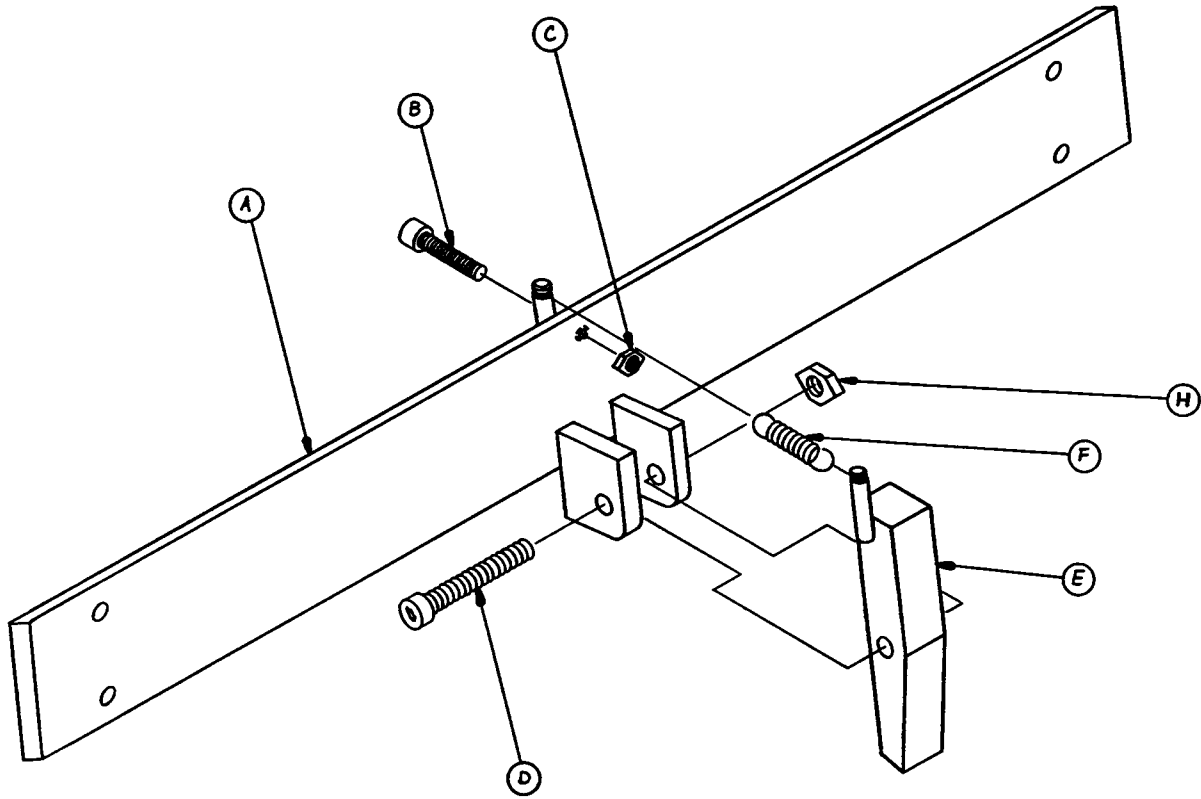
Item	Part No.	Part Name	Qty.
A	1010-23-25	Jack Supt. Ass'y, Rt.	1
B	1010-23-30	Jack Supt. Ass'y, Lt.	1
C	16-28	Nylock Nut	4
D	3-15	Hex Hd. Cap Screw	4
E	938-1-401	Collar	2
F	721-32-160	Support Tube Ass'y	1
H	(Page 63)	Trend. Limiter Ass'y	1
J	46-1	Set Screw	1

## 1510-23-20

Item	Part No.	Part Name	Qty.
A	1510-23-18	Jack Supt. Ass'y, Rt.	1
B	1510-23-19	Jack Supt. Ass'y, Lt.	1
C	16-28	Nylock Nut	4
D	3-15	Hex Hd. Cap Screw	4
E	938-1-401	Collar	2
F	721-32-160	Support Tube Ass'y	1
H	(Page 63)	Trend. Limiter Ass'y	1
J	46-1	Set Screw	1

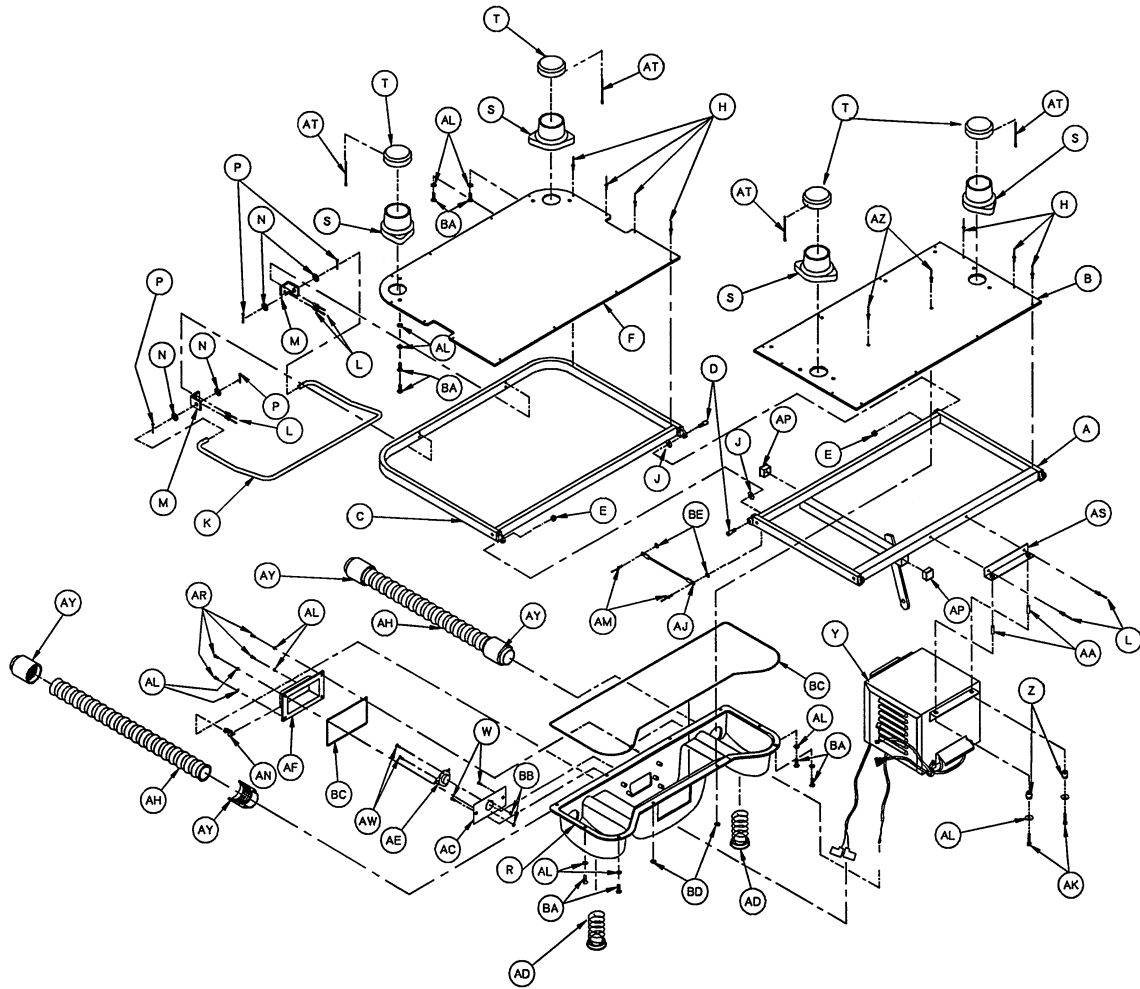


# 1010-23-34 Trend Limiter Assembly



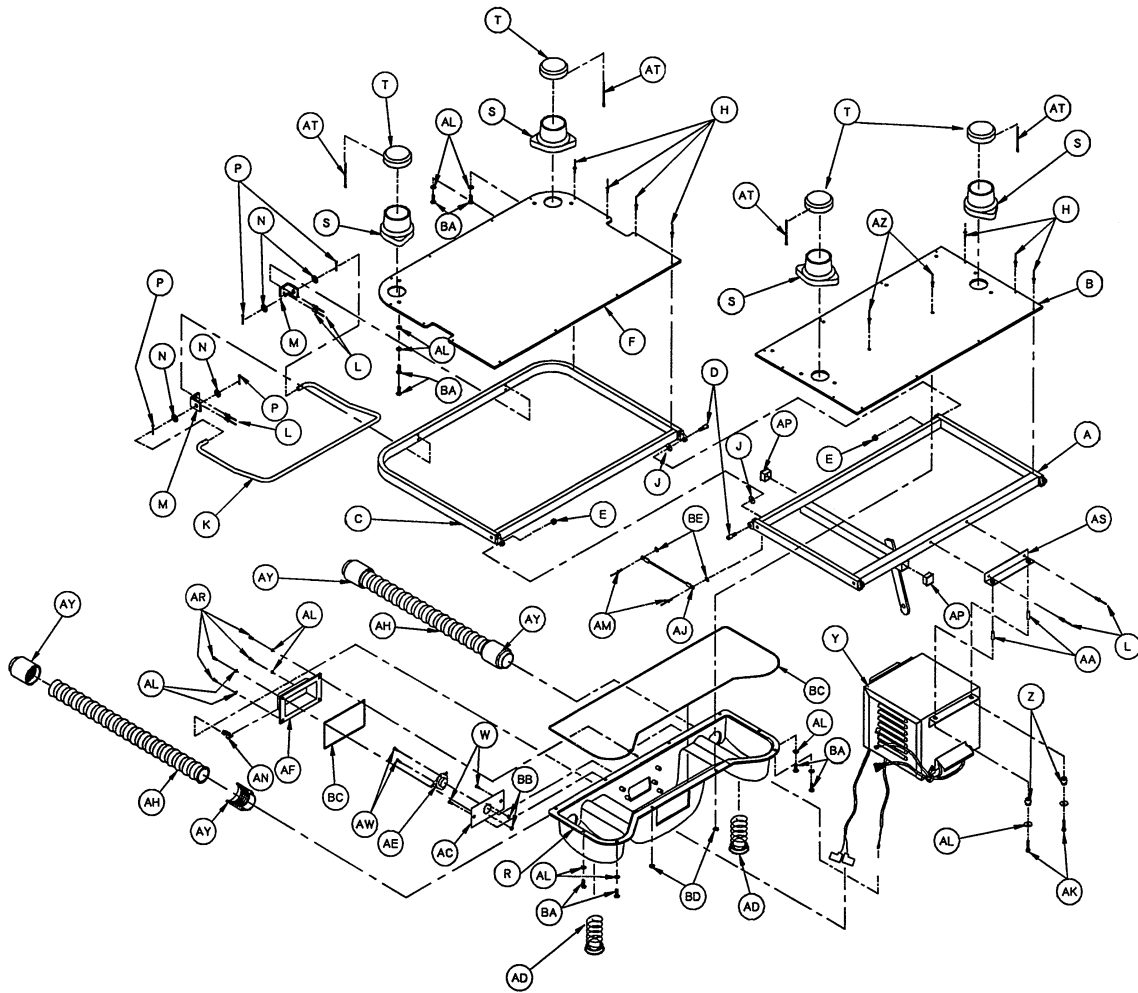
Item	Part Name	Part No.	Qty.
A	1010-23-35	Limiter Plate Ass'y	1
B	4-8	Hex Soc. Machine Screw	1
C	15-23	Hex Nut	1
D	4-142	Hex Soc. Machine Screw	1
E	715-1-114	Limiter Pin Assembly	1
F	38-233	Extension Spring	1
H	16-16	Fiberlock Nut	1

# 1030-34-60 Foot and Thigh Section Pre-assembly



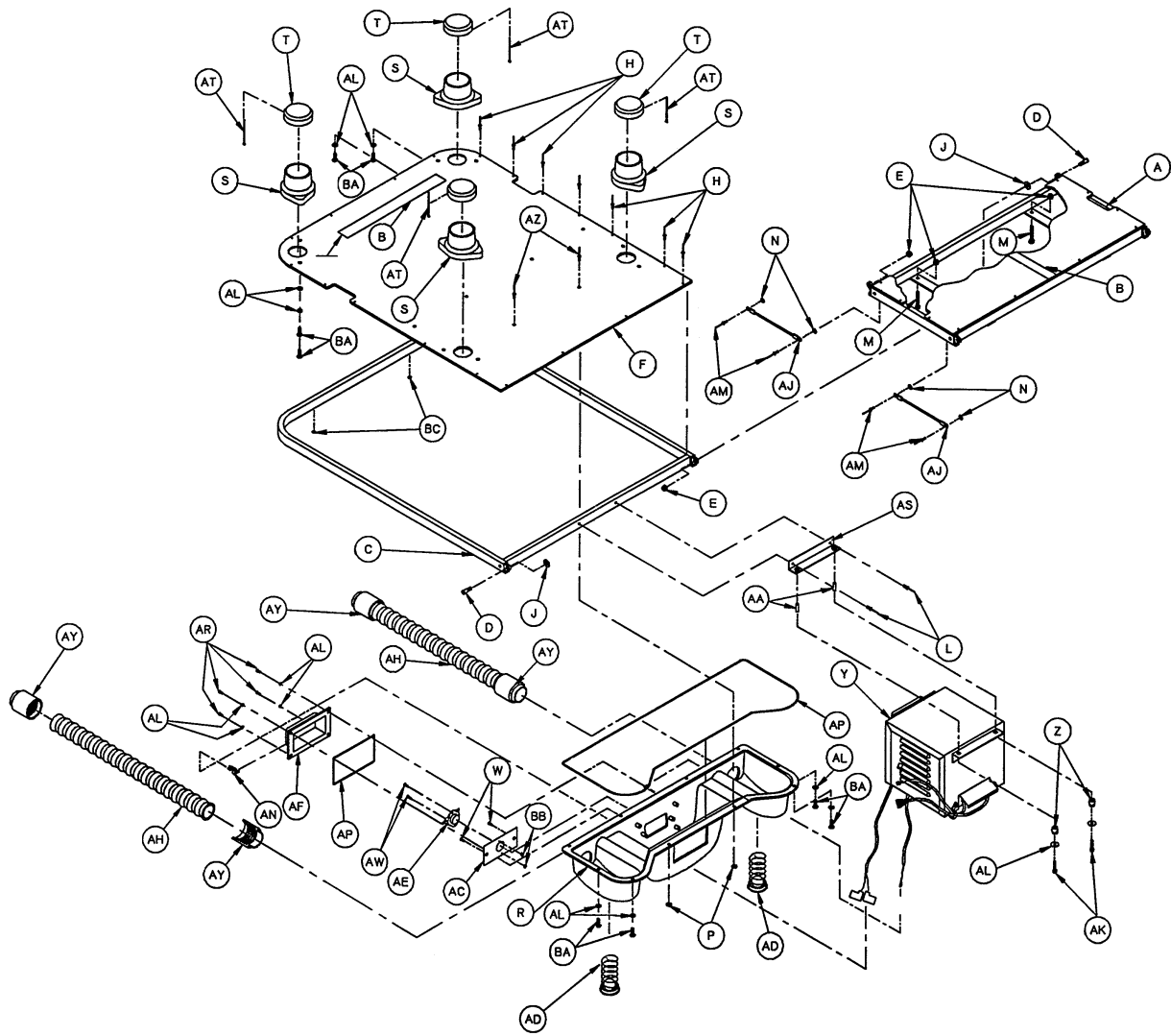
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1030-34-25	Thigh Section Ass'y	1	AD	1030-34-40	Ball Valve Ass'y	2
B	1030-34-62	Thigh Section Skin	1	AE	59-58	Thermostat	1
C	1010-34-26	Foot Section Ass'y	1	AF	1030-34-45	Thermostat Cover	1
D	1010-32-60	Pivot Bolt	2	AH	1030-35-43	Heater Hose	2
E	16-28	Nylock Hex Nut	2	AJ	988-2-676	Ground Strap	1
F	1030-34-63	Calf Section Skin	1	AK	4-160	But. Hd. Cap Screw	2
H	25-103	Pop Rivet	26	AL	11-64	Washer	14
J	14-13	Washer	2	AM	25-71	Pop Rivet	2
K	1010-34-23	Calf Stand Bar	1	AN	52-260	Strain Relief	1
L	25-79	Pop Rivet	6	AP	37-72	Square Hole Plug	2
M	1510-34-88	Calf Stand Bracket	2	AR	4-8	Soc. Hd. Cap Screw	4
N	14-21	Nylon Washer	4	AS	1030-33-22	Mtg. Angle Wldmt.	1
P	27-7	Cotter Pin	4	AT	1030-34-38	Cap Strap	4
R	1030-34-48	Air Duct Assembly	1	AW	4-72	Soc. Hd. Cap Screw	2
S	1030-34-36	Outlet	4	AY	1030-34-41	Hose Fitting	4
T	1030-234-35	Cap	4	AZ	25-76	Pop Rivet	6
W	4-136	Soc. Hd. Cap Screw	2	BA	4-9	Soc. Hd. Cap Screw	8
Y	(p. 102 & 103)	Blower Box Assembly	1	BB	16-14	Lock Nut	2
Z	58-2	Rubber Isolator	2	BC	58-7	Strip Sealer	87"
AA	1030-34-31	Spacer Tube	2	BD	11-1	Washer	6
AC	1030-34-46	Thermostat Screen	1	BE	13-18	Star Washer	2

# 1530-34-60 Foot and Thigh Section Pre-assembly



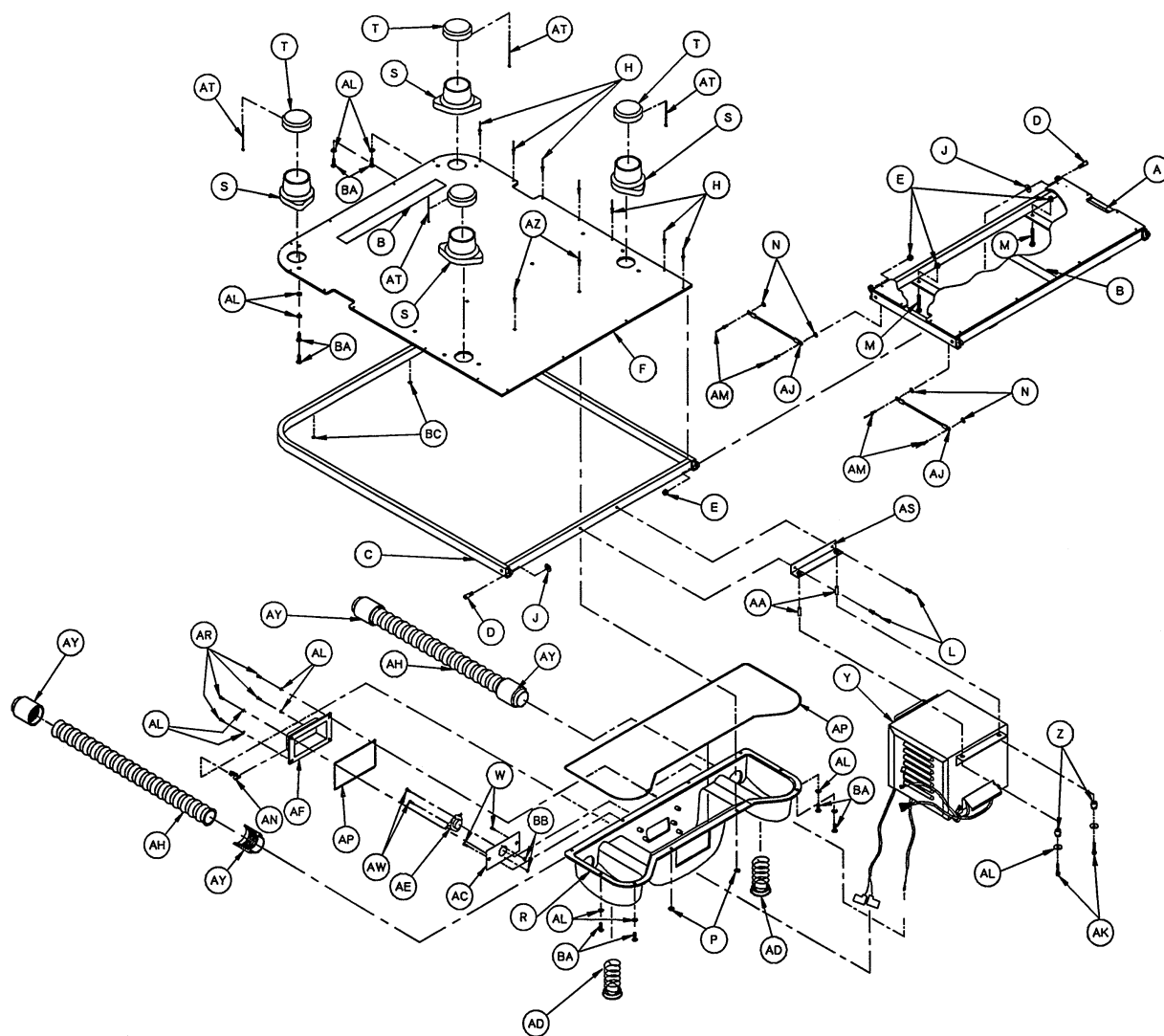
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1530-34-12	Thigh Section Ass'y	1	AD	1030-34-40	Ball Valve Ass'y	2
B	1530-34-62	Thigh Section Skin	1	AE	59-58	Thermostat	1
C	1510-34-13	Foot Section Ass'y	1	AF	1030-34-45	Thermostat Cover	1
D	1010-32-60	Pivot Bolt	2	AH	1030-35-43	Heater Hose	2
E	16-28	Nylock Hex Nut	2	AJ	988-2-676	Ground Strap	1
F	1530-34-63	Calf Section Skin	1	AK	4-160	But. Hd. Cap Screw	2
H	25-103	Pop Rivet	26	AL	11-64	Washer	14
J	14-3	Washer	2	AM	25-71	Pop Rivet	2
K	1510-34-89	Calf Stand Bar	1	AN	52-260	Strain Relief	1
L	25-79	Pop Rivet	6	AP	37-72	Square Hole Plug	2
M	1510-34-88	Calf Stand Bracket	2	AR	4-8	Soc. Hd. Cap Screw	4
N	14-21	Nylon Washer	4	AS	1030-33-22	Mtg. Angle Wldmt.	1
P	27-7	Cotter Pin	4	AT	1030-34-38	Cap Strap	4
R	1530-34-48	Air Duct Assembly	1	AW	4-72	Soc. Hd. Cap Screw	2
S	1030-34-36	Outlet	4	AY	1030-34-41	Hose Fitting	4
T	1030-234-35	Cap	4	AZ	25-76	Pop Rivet	6
W	4-136	Soc. Hd. Cap Screw	2	BA	4-9	Soc. Hd. Cap Screw	8
Y	(p. 102 & 103)	Blower Box Assembly	1	BB	16-14	Lock Nut	2
Z	58-2	Rubber Isolator	2	BC	58-7	Strip Sealer	87"
AA	1030-34-31	Spacer Tube	2	BD	11-1	Washer	6
AC	1030-34-46	Thermostat Screen	1	BE	13-18	Star Washer	2

# 1030-1-30 Hinged Foot Section Assembly



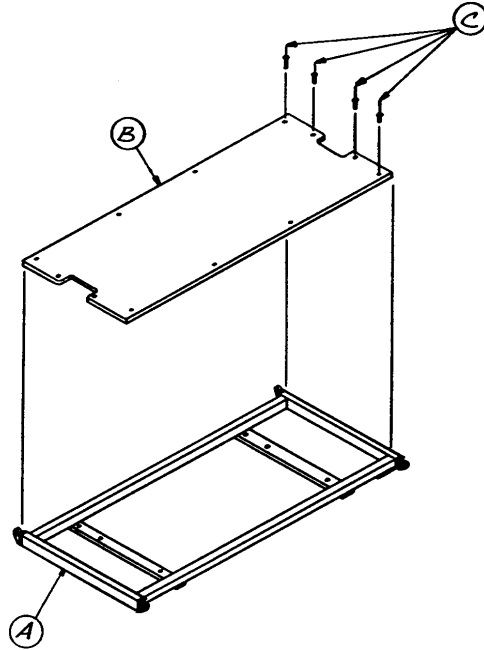
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(page 68)	Midsection Preass'y	1	AC	1030-34-46	Thermostat Screen	1
B	7900-1-102	Velcro	38 1/2"	AD	1030-34-40	Ball Valve Ass'y	2
C	1030-32-10	Footsection Weldment	1	AE	59-58	Thermostat	1
D	1010-32-60	Pivot Bolt	4	AF	1030-34-45	Thermostat Cover	1
E	16-28	Nylock Hex Nut	8	AH	1030-35-43	Heater Hose	2
F	1030-32-13	Footsection Skin	1	AJ	988-2-676	Ground Strap	2
H	25-103	Pop Rivet	26	AK	4-160	But. Hd. Cap Screw	2
J	14-3	Washer	4	AL	11-64	Washer	14
K	721-31-65	Hole Plug	2	AM	25-71	Pop Rivet	4
L	25-79	Pop Rivet	2	AN	52-260	Strain Relief	1
M	3-73	Hex Hd. Cap Screw	4	AP	58-7	Strip Sealer	87"
N	13-18	Star Washer	4	AR	4-8	Soc. Hd. Cap Screw	4
P	11-1	Washer	6	AS	1030-33-22	Mtg. Angle Wldmt.	1
R	1030-34-48	Air Duct Ass'y	1	AT	1030-34-37	Cap Strap	4
S	1030-34-36	Outlet	4	AW	4-72	Soc. Hd. Cap Screw	2
T	1030-234-35	Cap	4	AY	1030-34-41	Hose Fitting	4
W	4-136	Soc. Hd. Cap Screw	2	AZ	25-76	Pop Rivet	6
Y	(p. 102 & 103)	Blower Box Assembly	1	BA	4-9	Soc. Hd. Cap Screw	8
Z	58-2	Rubber Isolator	2	BB	16-14	Lock Nut	2
AA	1030-34-31	Spacer Tube	2	BC	37-52	Rubber Bumper	2

# 1530-1-30 Hinged Foot Section Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(page 68)	Midsection Preass'y	1	AC	1030-34-46	Thermostat Screen	1
B	7900-1-102	Velcro	38 1/2"	AD	1030-34-40	Ball Valve Ass'y	2
C	1530-32-10	Footsection Weldment	1	AE	59-58	Thermostat	1
D	1010-32-60	Pivot Bolt	4	AF	1030-34-45	Thermostat Cover	1
E	16-28	Nylock Hex Nut	8	AH	1030-35-43	Heater Hose	2
F	1530-32-13	Footsection Skin	1	AJ	988-2-676	Ground Strap	2
H	25-103	Pop Rivet	26	AK	4-160	But. Hd. Cap Screw	2
J	14-3	Washer	4	AL	11-64	Washer	14
K	721-31-65	Hole Plug	2	AM	25-71	Pop Rivet	4
L	25-79	Pop Rivet	2	AN	52-260	Strain Relief	1
M	3-73	Hex Hd. Cap Screw	4	AP	58-7	Strip Sealer	87"
N	13-18	Star Washer	4	AR	4-8	Soc. Hd. Cap Screw	4
P	11-1	Washer	6	AS	1030-33-22	Mtg. Angle Wldmt.	1
R	1530-34-48	Air Duct Ass'y	1	AT	1030-34-37	Cap Strap	4
S	1030-34-36	Outlet	4	AW	4-72	Soc. Hd. Cap Screw	2
T	1030-234-35	Cap	4	AY	1030-34-41	Hose Fitting	4
W	4-136	Soc. Hd. Cap Screw	2	AZ	25-76	Pop Rivet	6
Y	(p. 102 & 103)	Blower Box Assembly	1	BA	4-9	Soc. Hd. Cap Screw	8
Z	58-2	Rubber Isolator	2	BB	16-14	Lock Nut	2
AA	1030-34-31	Spacer Tube	2	BC	37-52	Rubber Bumper	2

# 1010-34-38 & 1510-34-60 Midsection Pre-assembly



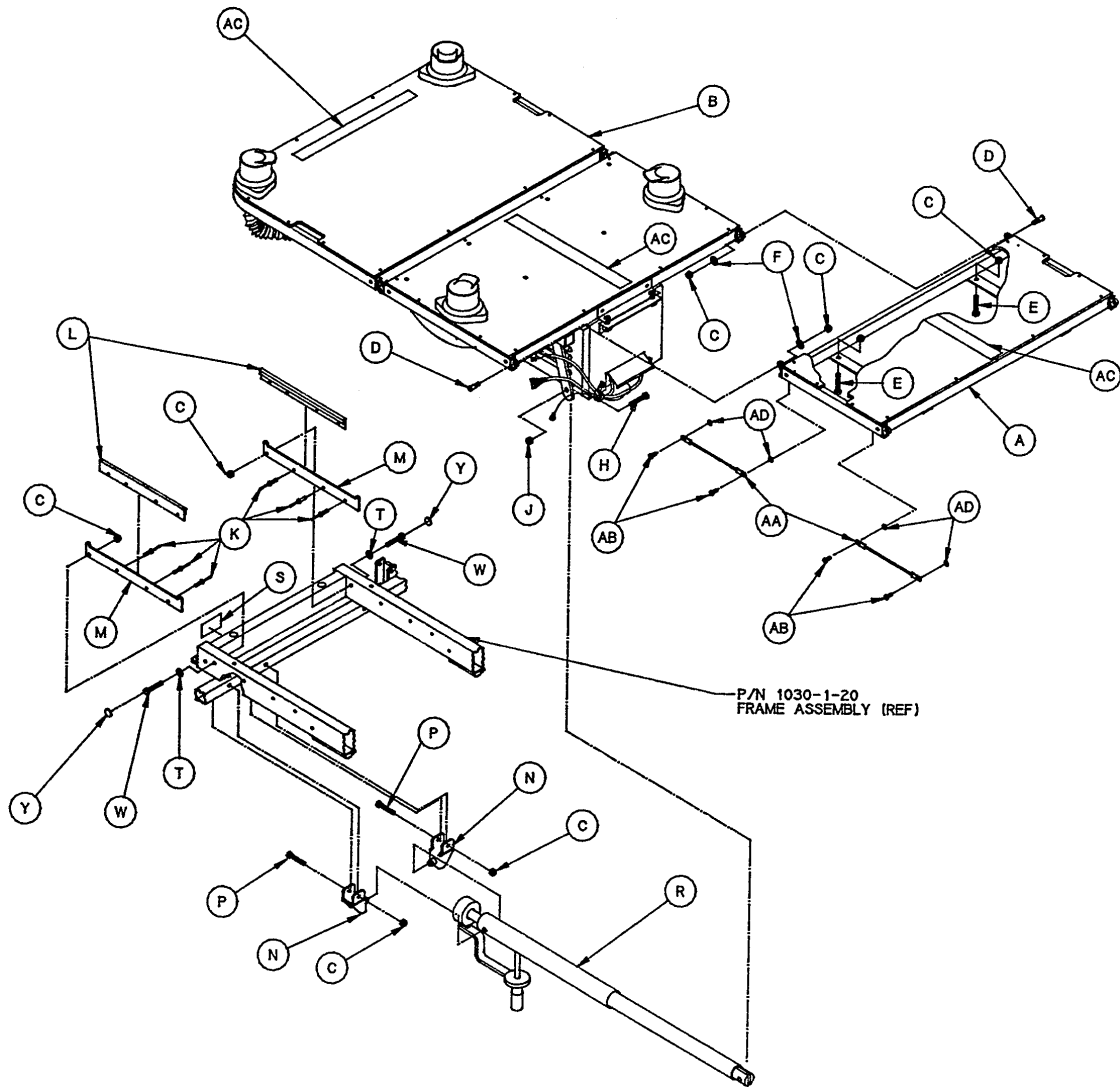
## 1010-34-38

Item	Part No.	Part Name	Qty.
A	1010-34-24	Midsection Ass'y	1
B	1010-34-61	Midsection Skin	1
C	25-103	Pop Rivet	12

## 1510-34-60

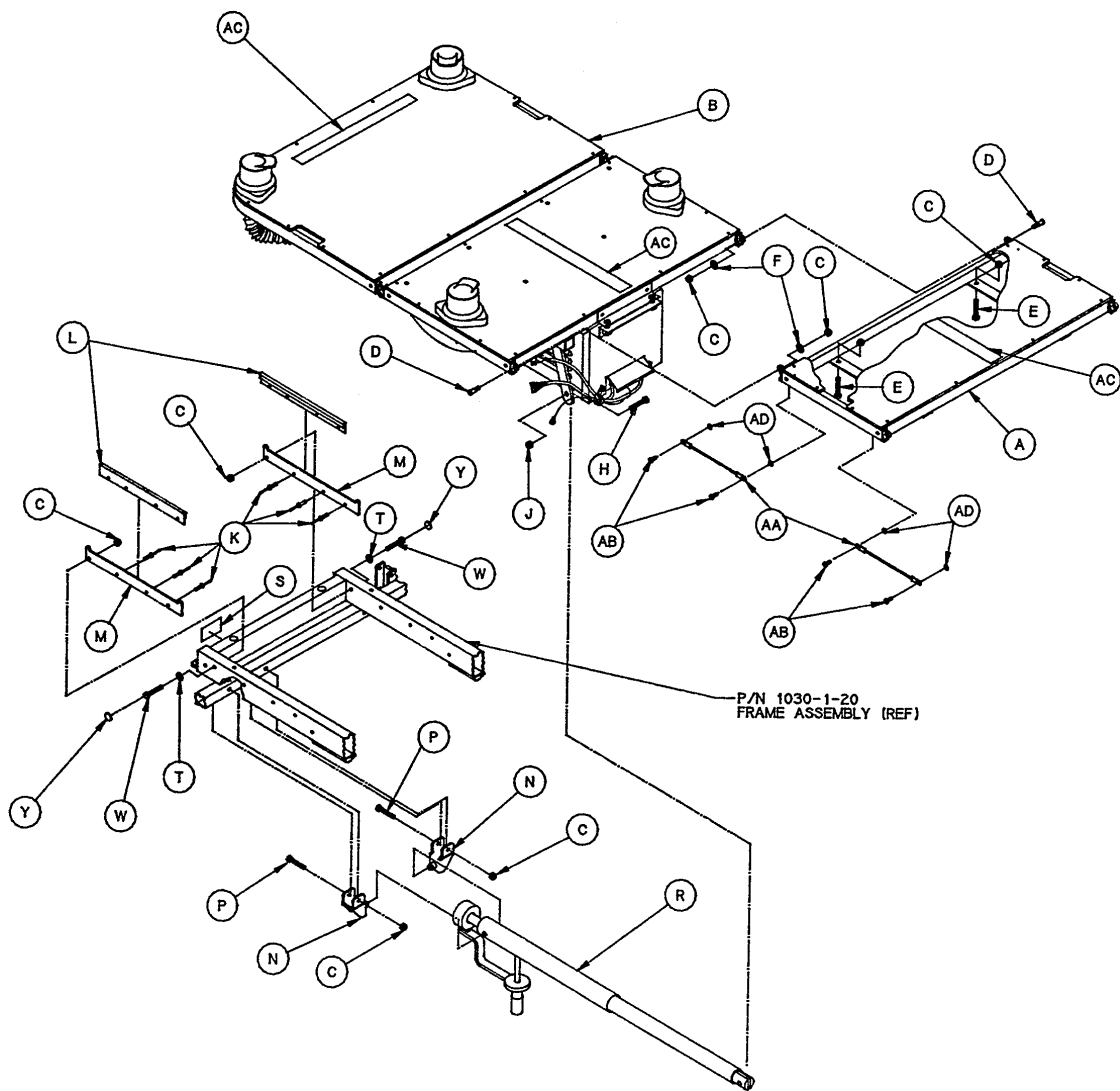
Item	Part No.	Part Name	Qty.
A	1510-34-11	Midsection Ass'y	1
B	1510-34-61	Midsection Skin	1
C	25-103	Pop Rivet	12

# 1030-34-70 Knee Gatch Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(page 68)	Midsection Preass'y	1	N	1010-34-15	Mtg. Brkt. Ass'y	2
B	(page 64)	Foot/Thigh Preass'y	1	P	3-78	Hex Hd. Cap Screw	2
C	16-28	Nylock Hex Nut	12	R	(page 71)	Knee Gatch Crkscrew	1
D	1010-32-60	Pivot Bolt	4	S	946-1-65	Knee Gatch Label	1
E	3-73	Hex Hd. Cap Screw	4	T	37-56	Retaining Washer	2
F	14-3	Washer	4	W	3-47	Hex Hd. Cap Screw	2
H	4-105	Soc. Hd. Cap Screw	1	Y	37-55	Protective Cap	2
J	16-12	Flexlock Nut	1	Z	721-31-65	Hole Plug	16
K	25-79	Pop Rivet	6	AA	988-2-676	Grounding Strap	2
L	1510-34-90	Slider Pad	2	AB	25-71	Pop Rivet	4
M	1510-34-94	Calf Stand Rest	2	AC	7900-1-102	Velcro	38 1/2"
				AD	13-18	Star Washer	4

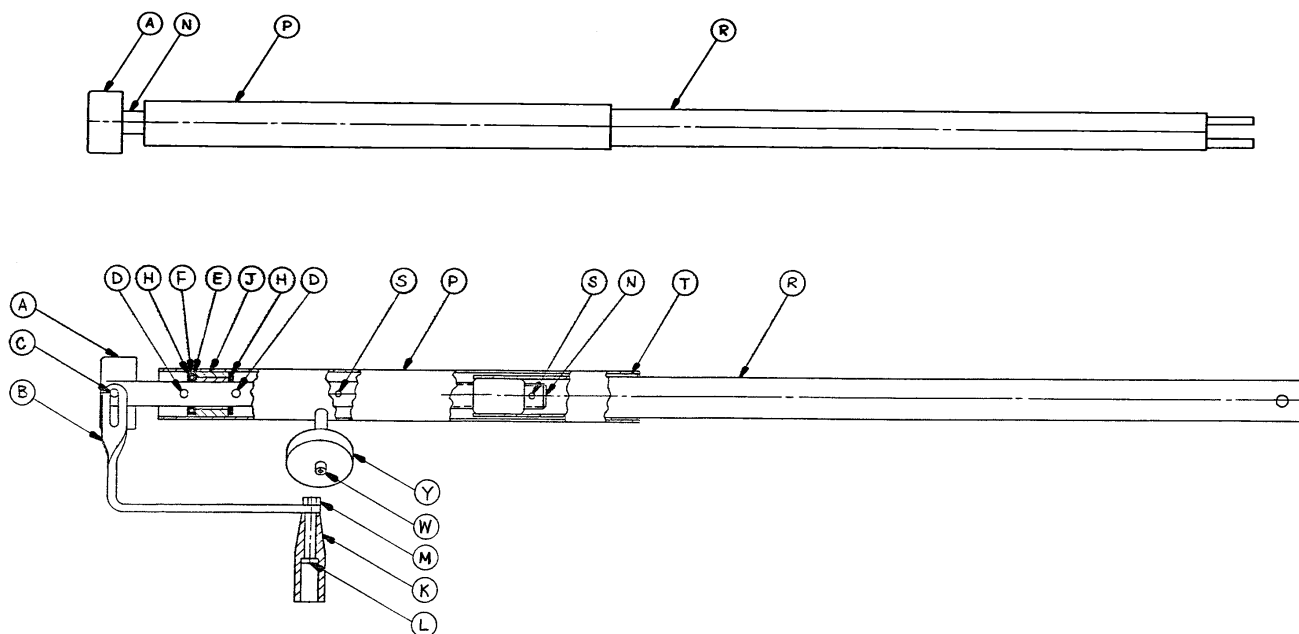
# 1530-34-70 Knee Gatch Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	(page 68)	Midsection Preass'y	1	N	1010-34-15	Mtg. Brkt. Ass'y	2
B	(page 65)	Foot/Thigh Preass'y	1	P	3-78	Hex Hd. Cap Screw	2
C	16-28	Nylock Hex Nut	12	R	(page 72)	Knee Gatch Crkscrew	1
D	1010-32-60	Pivot Bolt	4	S	946-1-65	Knee Gatch Label	1
E	3-73	Hex Hd. Cap Screw	4	T	37-56	Retaining Washer	2
F	14-3	Washer	4	W	3-47	Hex Hd. Cap Screw	2
H	4-105	Soc. Hd. Cap Screw	1	Y	37-55	Protective Cap	2
J	16-12	Flexlock Nut	1	Z	721-31-65	Hole Plug	16
K	25-79	Pop Rivet	6	AA	988-2-676	Grounding Strap	2
L	1510-34-90	Slider Pad	2	AB	25-71	Pop Rivet	4
M	1510-34-94	Calf Stand Rest	2	AC	7900-1-102	Velcro	38 1/2"
				AD	13-18	Star Washer	4

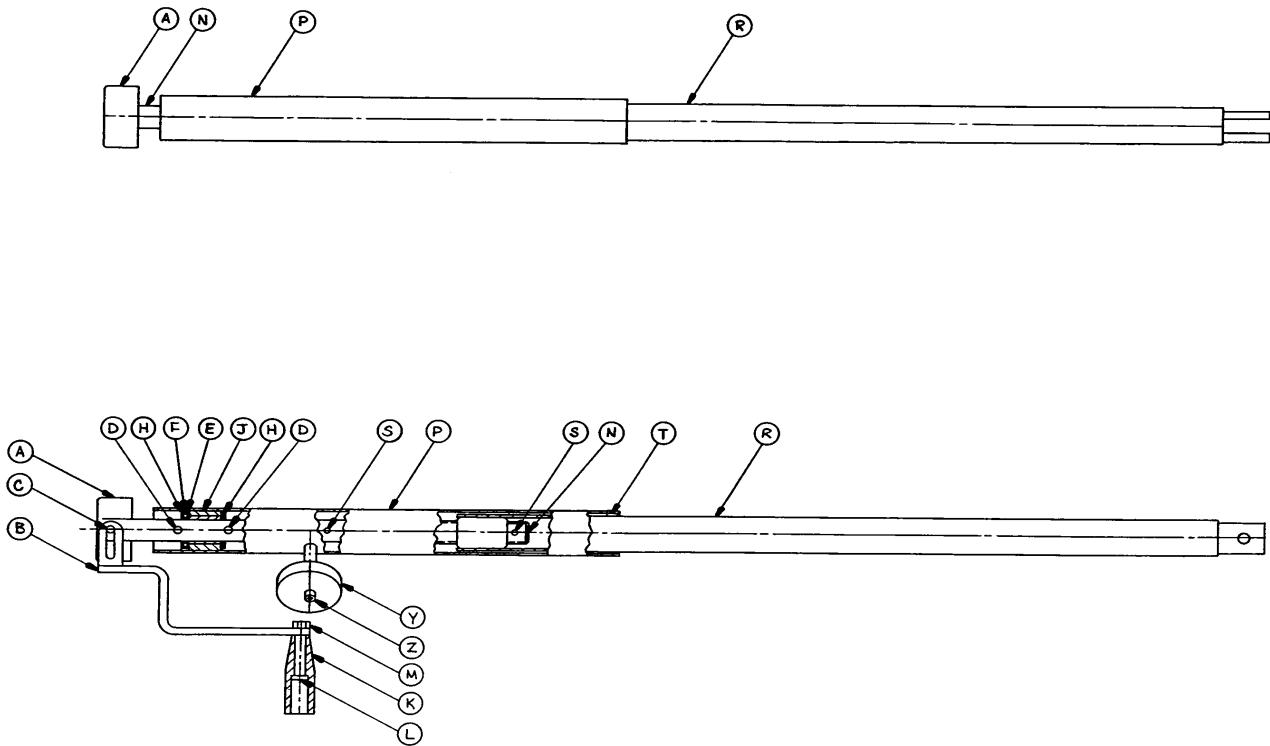


# 1030-34-14 Knee Gatch Crankscrew Assembly



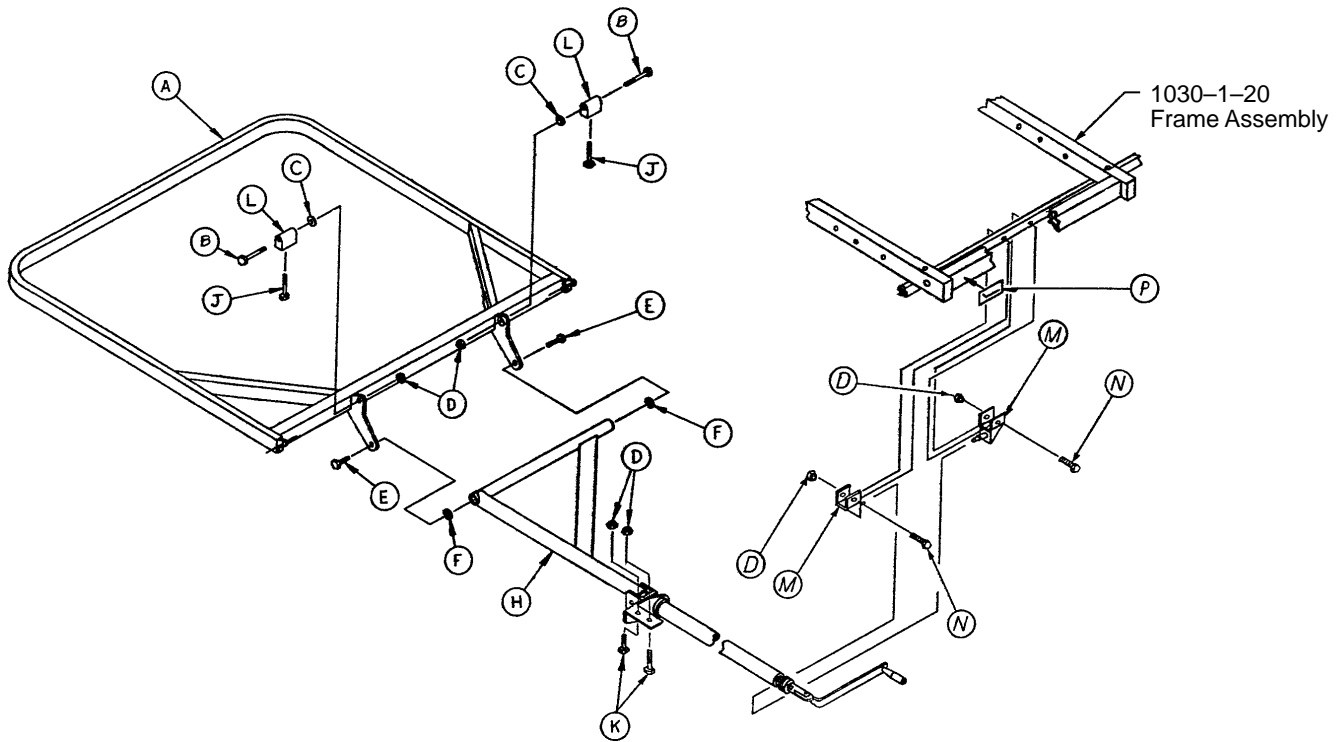
Item	Part No.	Part Name	Qty.
A	946-33-18	Crank Disk	1
B	958-34-718	Crank Handle	1
C	26-45	Roll Pin	1
D	26-14	Roll Pin	2
E	81-176	Thrust Washer	1
F	81-175	Thrust Bearing	1
H	81-174	Thrust Washer	2
J	938-1-175	Bearing Assembly	1
K	938-1-177	Knob	1
L	378-24-29	Shoulder Bolt	1
M	16-5	Conelock Nut	1
N	946-34-25	Knee Gatch Screw	1
P	1510-34-84	Screw Cover Assembly	1
R	1510-34-55	Gatch Drive Tube Assembly	1
S	26-10	Roll Pin	2
T	7900-1-102	Velcro Pile Tape	1
W	4-7	Soc. Head Cap Screw	1
Y	1550-1-14	Magnet	1

# 1510-34-14 Knee Gatch Crankscrew Assembly



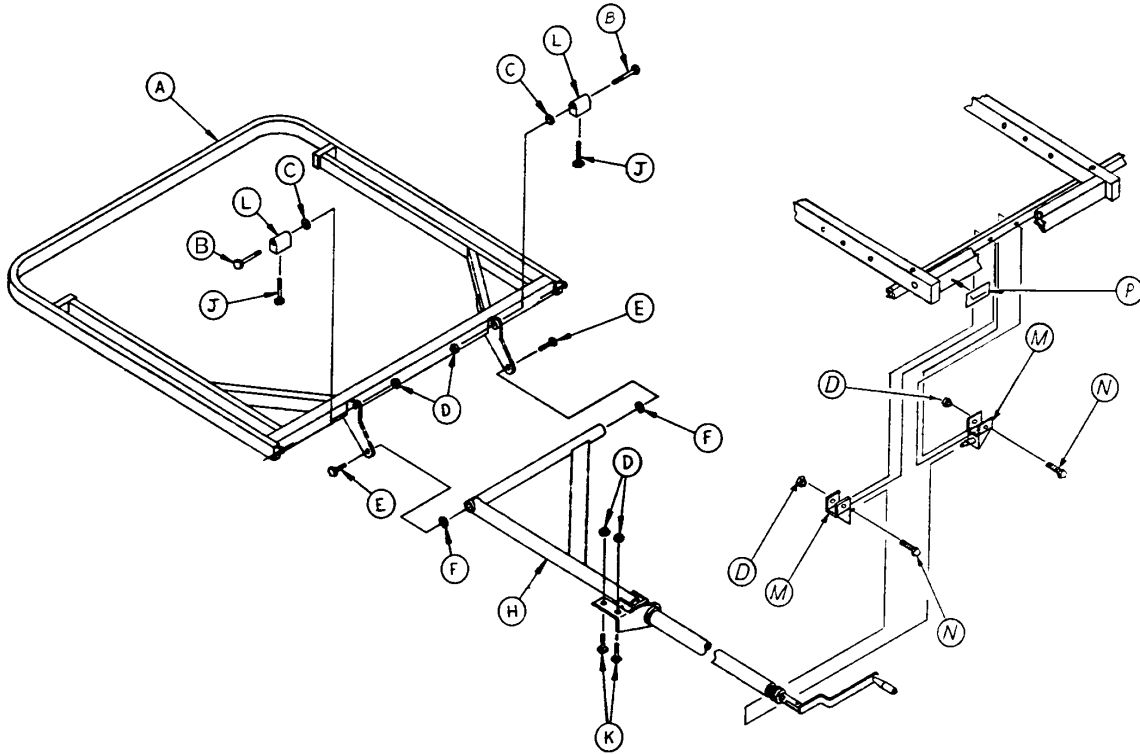
Item	Part No.	Part Name	Qty.
A	946-33-18	Crank Disk	1
B	1510-34-85	Crank Assembly	1
C	26-45	Roll Pin	1
D	26-14	Roll Pin	2
E	81-176	Thrust Washer	1
F	81-175	Thrust Bearing	1
H	81-174	Thrust Washer	2
J	938-1-175	Bearing Assembly	1
K	938-1-177	Knob	1
L	378-24-29	Shoulder Bolt	1
M	16-5	Conelock Nut	1
N	946-34-25	Knee Gatch Screw	1
P	1510-34-84	Screw Cover Assembly	1
R	1510-34-55	Gatch Drive Tube Assembly	1
S	26-10	Roll Pin	2
T	7900-1-102	Velcro Pile Tape	1
Y	958-34-717	Magnet	1
Z	4-7	Soc. Head Cap Screw	1

# 1030-33-25 Crank Fowler Assembly



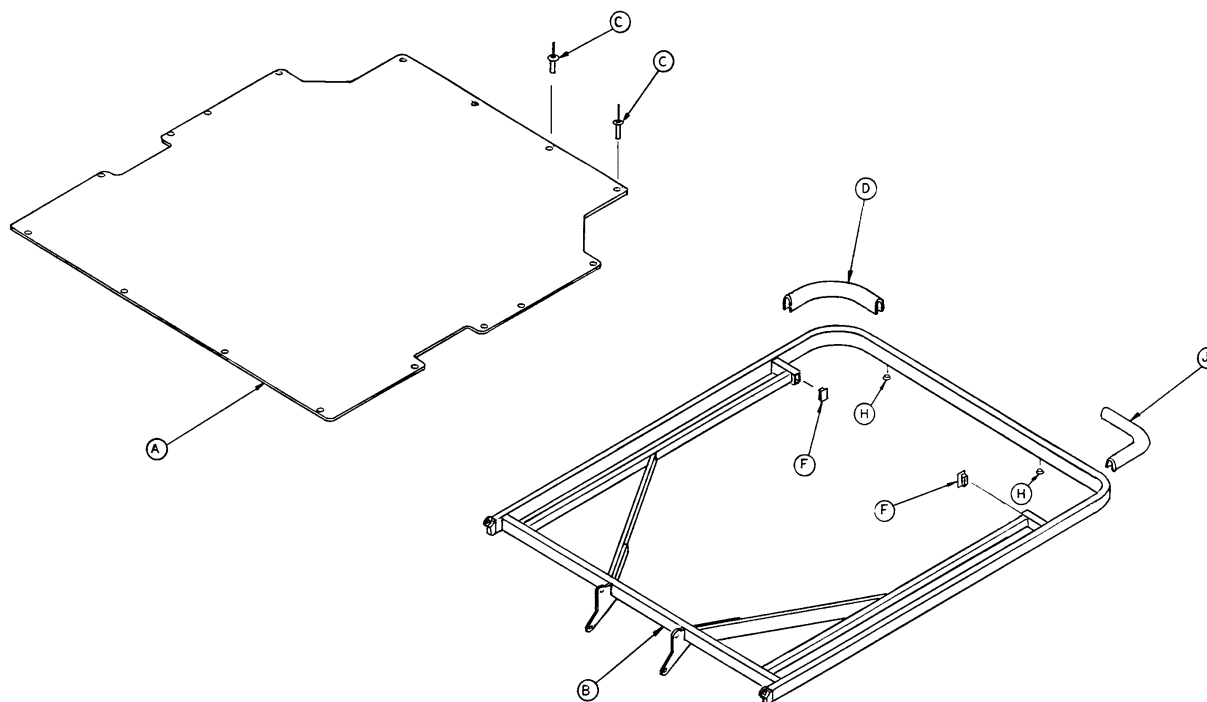
Item	Part No.	Part Name	Qty.
A	(Page 75)	Crk. Fow. Subass'y	1
B	8-28	Shoulder Bolt	2
C	11-179	Washer	2
D	16-28	Lock Nut	6
E	8-37	Shoulder Bolt	2
F	52-17	Spacer	2
H	(Page 76)	Crankscrew Ass'y	1
J	3-79	Hex Hd. Cap Screw	2
K	3-73	Hex Hd. Cap Screw	2
L	1510-33-38	Crk. Fowler Pivot	2
M	1010-34-15	Mounting Brkt. Ass'y	2
N	3-78	Hex Hd. Cap Screw	2
P	946-1-64	Fow. Symbol Label	1

# 1510-33-10 Crank Fowler Assembly



Item	Part No.	Part Name	Qty
A	(Page 75)	Crk. Fow. Subass'y	1
B	8-28	Shoulder Bolt	2
C	11-179	Washer	2
D	16-28	Lock Nut	6
E	8-37	Shoulder Bolt	2
F	52-17	Spacer	2
H	(Page 77)	Crankscrew Ass'y	1
J	3-79	Hex Hd. Cap Screw	2
K	3-73	Hex Hd. Cap Screw	2
L	1510-33-38	Crk. Fowler Pivot	2
M	1010-34-15	Mounting Brkt. Ass'y	2
N	3-78	Hex Hd. Cap Screw	2
P	946-1-64	Fow. Symbol Label	1

# 1010-33-13 & 1510-33-43 Crank Fowler Subassembly



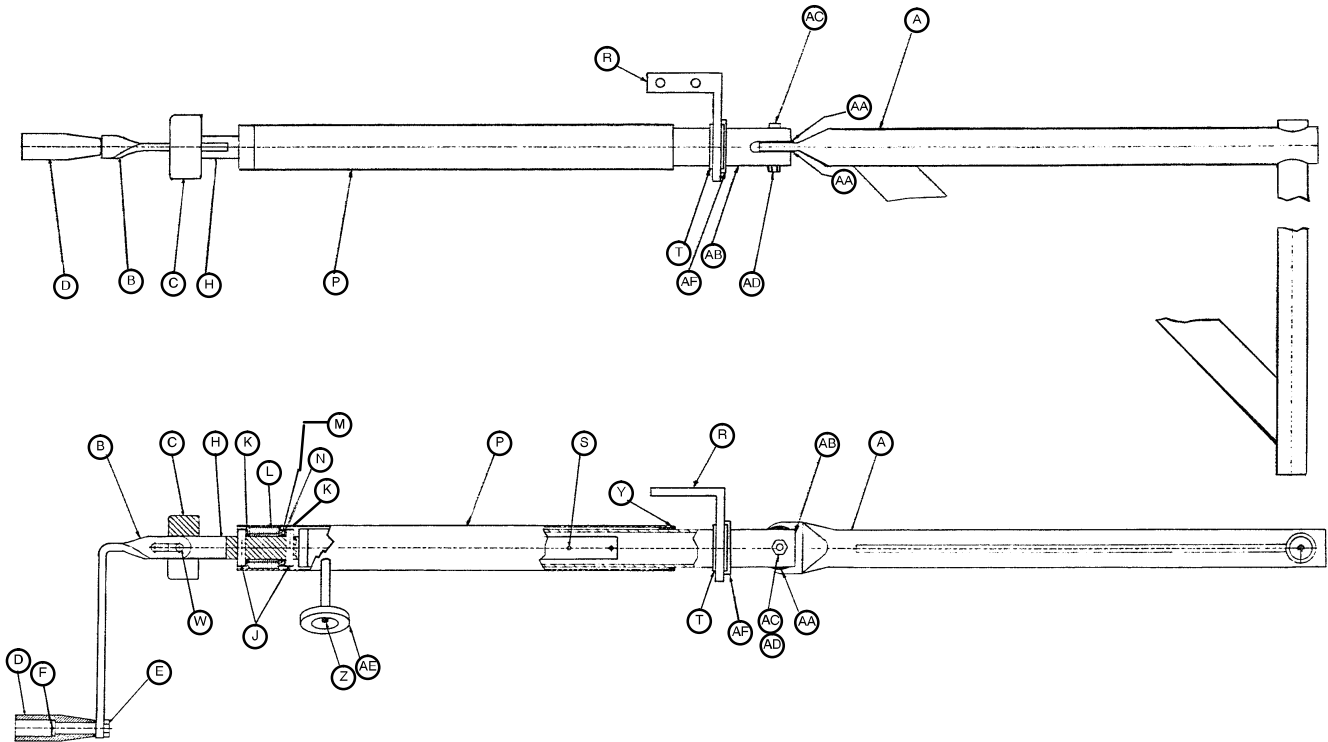
## 1010-33-13

Item	Part No.	Part Name	Qty.
A	1010-31-88	Skin	1
B	1010-34-27	Fowler Weldment	1
C	25-103	Rivet	16
D	1010-54-26	Handle Cover, Rt.	1
F	1010-32-66	Hole Plug	2
H	37-52	Rubber Bumper	2
J	1010-54-16	Handle Cover, Lt.	1

## 1510-33-43

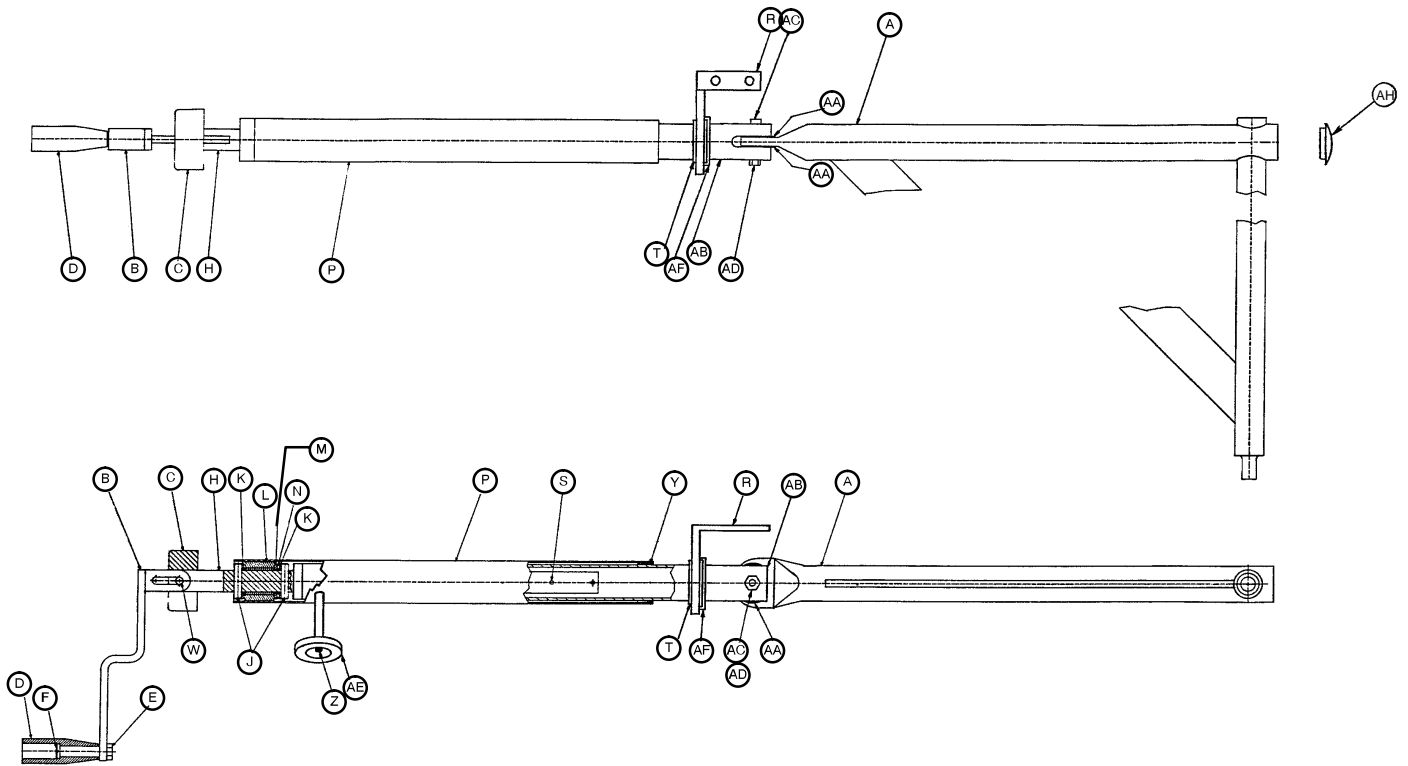
Item	Part No.	Part Name	Qty.
A	1510-31-46	Skin	1
B	1510-33-40	Fowler Weldment	1
C	25-103	Rivet	16
F	1010-32-66	Hole Plug	2
H	37-52	Rubber Bumper	2

# 1030-34-30 Fowler Crankscrew Assembly



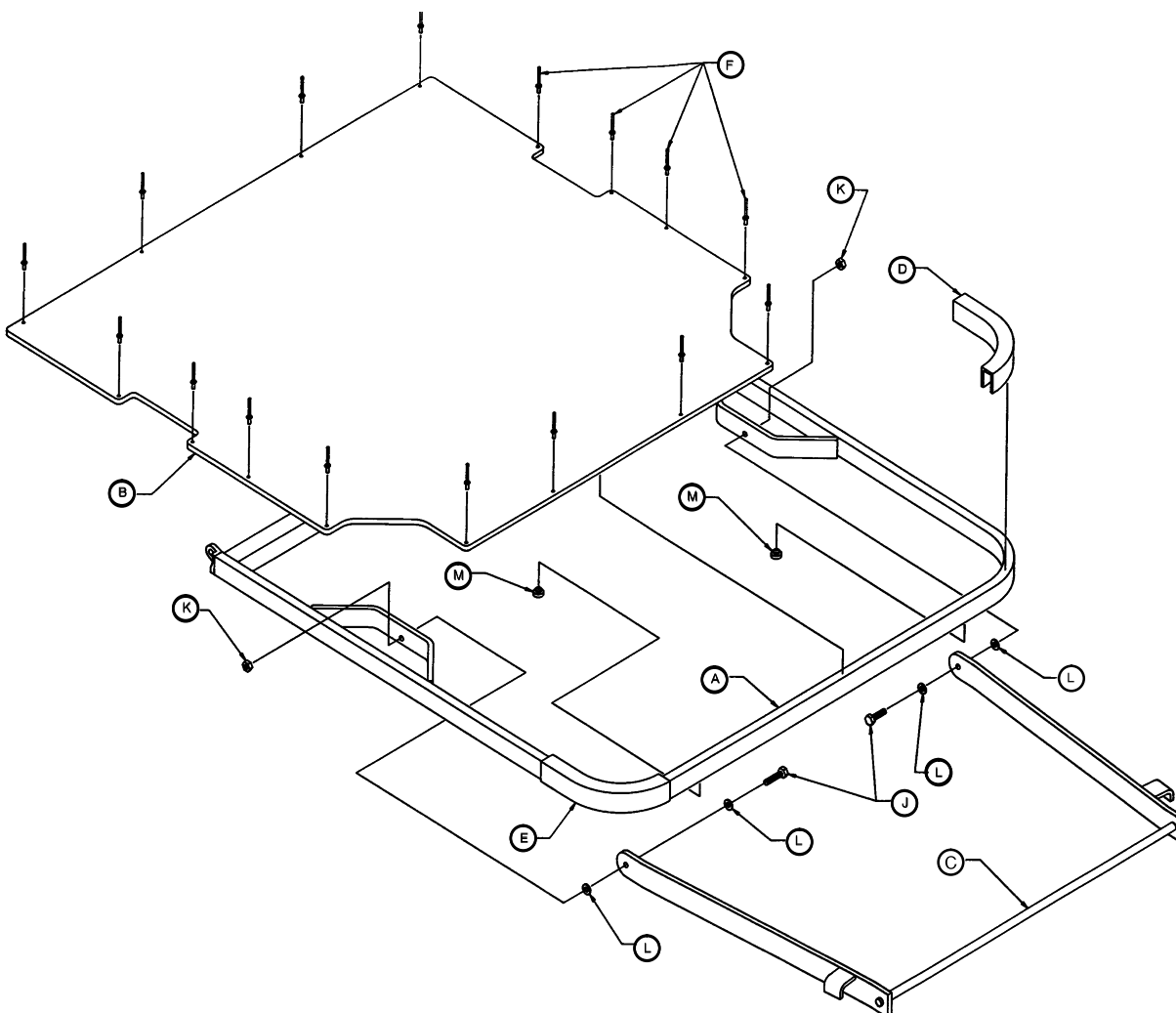
Item	Part No.	Part Name	Qty.
A	1010-33-12	Pivot Tube Assembly	1
B	958-34-718	Crank Handle	1
C	946-33-18	Crank Disc	1
D	938-1-177	Knob	1
E	16-5	Conelock Nut	1
F	378-24-29	Shoulder Bolt	1
H	946-33-35	Fowler Screw	1
J	26-14	Roll Pin	2
K	81-174	Thrust Washer	2
L	938-1-175	Bearing Assembly	1
M	81-176	Thrust Washer	1
N	81-175	Thrust Bearing	1
P	1510-34-84	Screw Cover Ass'y	1
R	1030-33-37	Brace	1
S	26-10	Roll Pin	1
T	1510-33-45	Slide Bearing	1
W	26-45	Roll Pin	1
Y	7900-1-102	Velcro Pile Tape	4"
Z	4-7	Soc. Hd. Cap Screw	1
AA	14-55	Plastic Washer	2
AB	1510-33-9	Fow. Drive Tube Ass'y	1
AC	3-45	Hex Hd. Cap Screw	1
AD	16-35	Nylock Hex Nut	1
AE	1550-1-14	Magnet	1
AF	28-94	Retaining Ring	1

# 1510-33-42 Fowler Crankscrew Assembly



Item	Part No.	Part Name	Qty
A	1510-33-12	Pivot Tube Assembly	1
B	1510-34-85	Crank Assembly	1
C	946-33-18	Crank Disc	1
D	938-1-177	Knob	1
E	16-5	Conelock Nut	1
F	378-24-29	Shoulder Bolt	1
H	946-33-35	Fowler Screw	1
J	26-14	Roll Pin	2
K	81-174	Thrust Washer	2
L	938-1-175	Bearing Assembly	1
M	81-176	Thrust Washer	1
N	81-175	Thrust Bearing	1
P	1510-34-84	Screw Cover Ass'y	1
R	1510-33-37	Brace	1
S	26-10	Roll Pin	1
T	1510-33-45	Slide Bearing	1
W	26-45	Roll Pin	1
Y	7900-1-102	Velcro Pile Tape	4"
Z	4-7	Soc. Hd. Cap Screw	1
AA	14-55	Plastic Washer	2
AB	1510-33-9	Fow. Drive Tube Ass'y	1
AC	3-45	Hex Hd. Cap Screw	1
AD	16-35	Nylock Hex Nut	1
AE	1550-1-14	Magnet	1
AF	28-94	Retaining Ring	1
AH	37-76	Hole Plug	1

# 1010-32-61 & 1510-32-61 Manual Fowler Assembly



## 1010-32-61

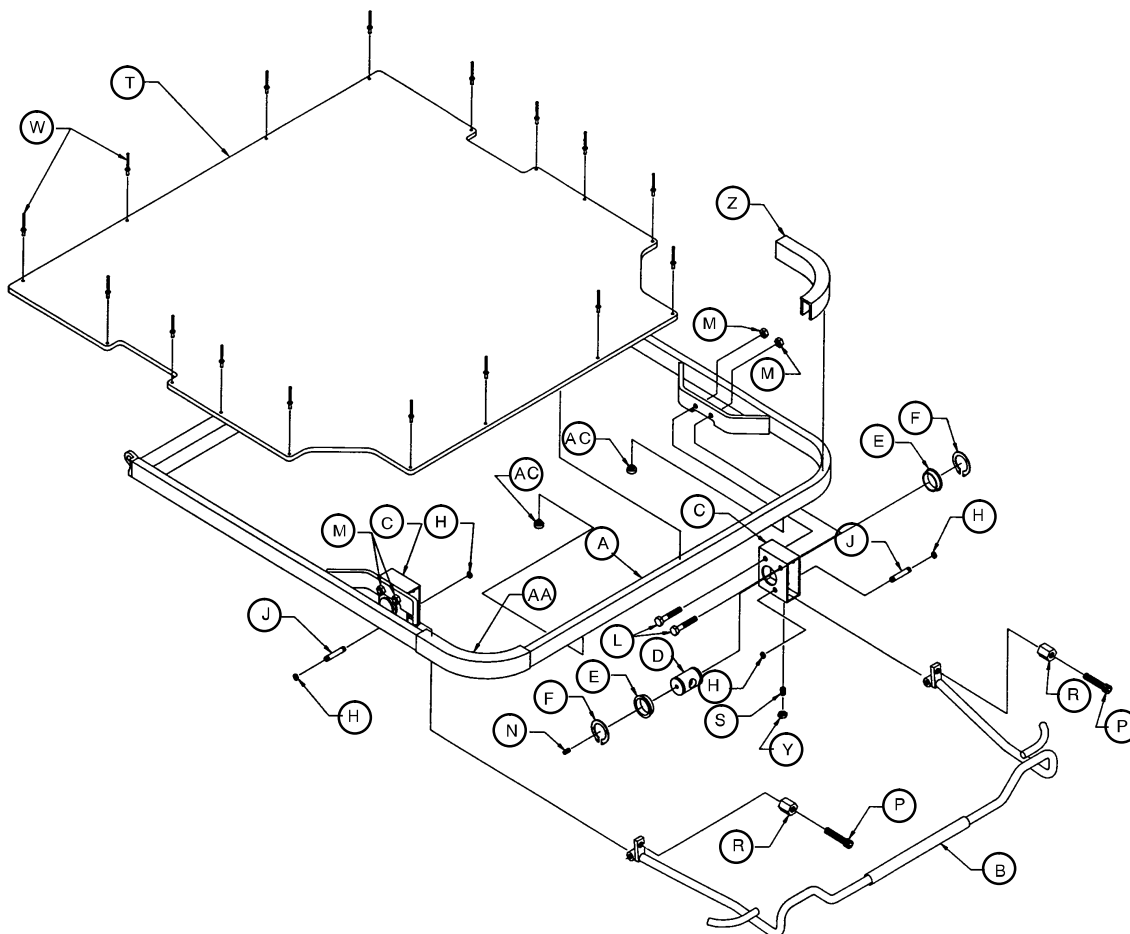
Item	Part No.	Part Name	Qty.
A	1010-32-106	Fowler Weldment	1
B	1010-31-88	Fowler Skin	1
C	1010-32-48	Brace Assembly	1
D	1010-54-26	Handle Ass'y, Rt.	1
E	1010-54-16	Handle Ass'y, Lt.	1
F	25-103	Pop Rivet	16
J	3-54	Hex Hd. Cap Screw	2
K	16-28	Nylock Hex Nut	2
L	14-2	Nylon Washer	4
M	37-52	Rubber Bumper	2

## 1510-32-61

Item	Part No.	Part Name	Qty.
A	1510-32-66	Fowler Weldment	1
B	1510-31-46	Fowler Skin	1
C	1510-34-42	Brace Assembly	1
D	1010-54-26	Handle Ass'y, Rt.	1
E	1010-54-16	Handle Ass'y, Lt.	1
F	25-103	Pop Rivet	16
J	3-54	Hex Hd. Cap Screw	2
K	16-28	Nylock Hex Nut	2
L	14-2	Nylon Washer	4
M	37-52	Rubber Bumper	2



# 1010-31-90 & 1510-31-25 Pneumatic Fowler Assembly

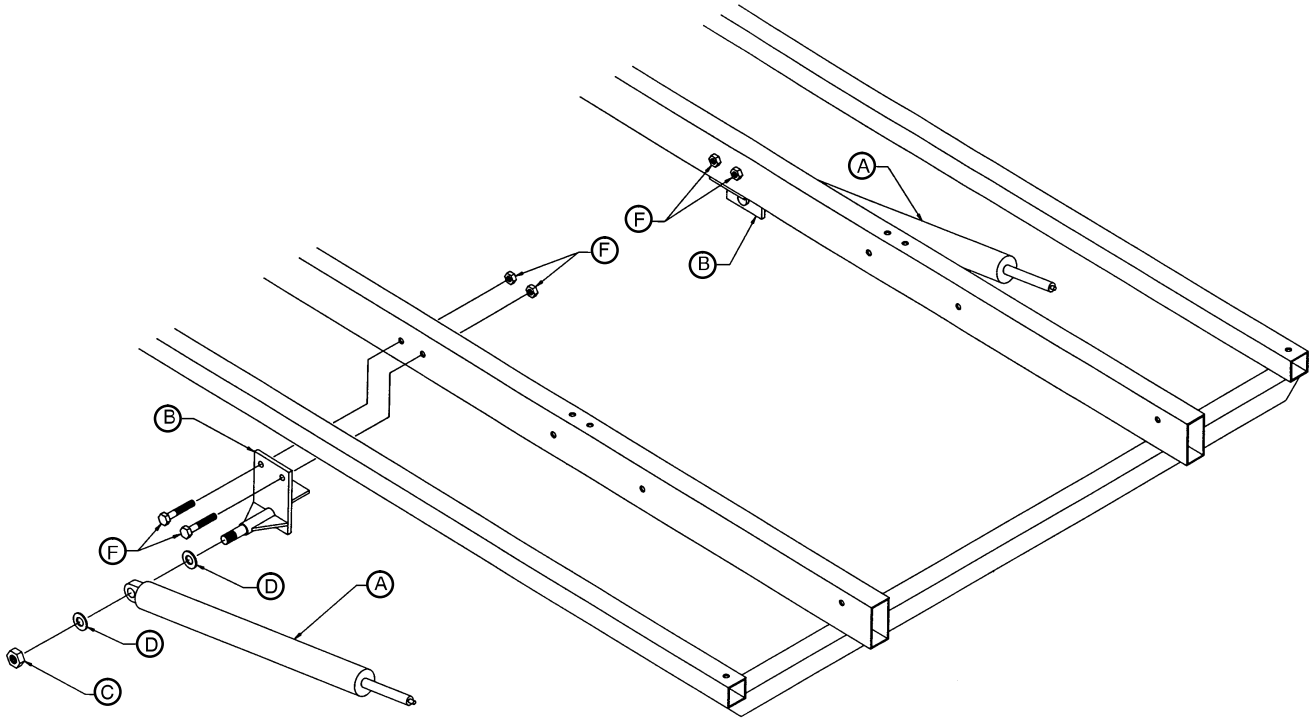


## 1010-31-90

## 1510-31-25

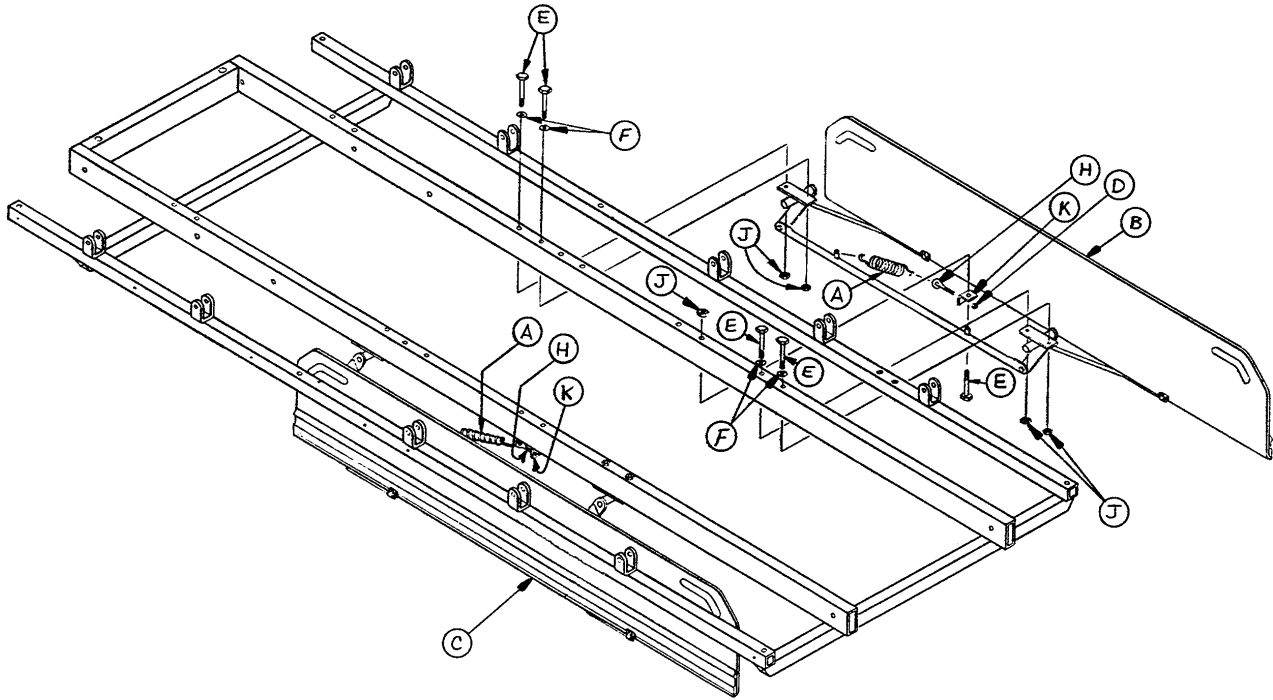
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1010-31-86	Fowler Weldment	1	A	1510-31-39	Fowler Weldment	1
B	1010-31-85	Handle Assembly	1	B	1510-31-36	Handle Assembly	1
C	1510-31-26	Housing	2	C	1510-31-26	Housing	2
D	1510-31-28	Yoke	2	D	1510-31-28	Yoke	2
E	946-35-25	Liner	4	E	946-35-25	Liner	4
F	28-76	Retaining Ring	4	F	28-76	Retaining Ring	4
H	28-8	Retaining Ring	4	H	28-8	Retaining Ring	4
J	1510-31-37	Pivot	2	J	1510-31-37	Pivot	2
L	3-78	Hex Hd. Cap Screw	4	L	3-78	Hex Hd. Cap Screw	4
M	16-28	Nylock Hex Nut	4	M	16-28	Nylock Hex Nut	4
N	21-119	Set Screw	2	N	21-119	Set Screw	2
P	4-54	Adjustment Screw	2	P	4-54	Adjustment Screw	2
R	1510-31-41	Jam Nut/Spacer	2	R	1510-31-41	Jam Nut/Spacer	2
S	21-104	Set Screw	2	S	21-104	Set Screw	2
T	1010-31-88	Fowler Skin	1	T	1510-31-46	Fowler Skin	1
W	25-103	Pop Rivet	16	W	25-103	Pop Rivet	16
Y	15-37	Jam Nut	2	Y	15-37	Jam Nut	2
Z	1010-54-26	Handle Cover, Rt.	1	Z	1010-54-26	Handle Cover, Rt.	1
AA	1010-54-16	Handle Cover, Lt.	1	AA	1010-54-16	Handle Cover, Lt.	1
AC	37-52	Rubber Bumper	2	AC	37-52	Rubber Bumper	2

# 1010-31-10 & 1510-31-10 Pneu. Fowler to Frame Ass'y



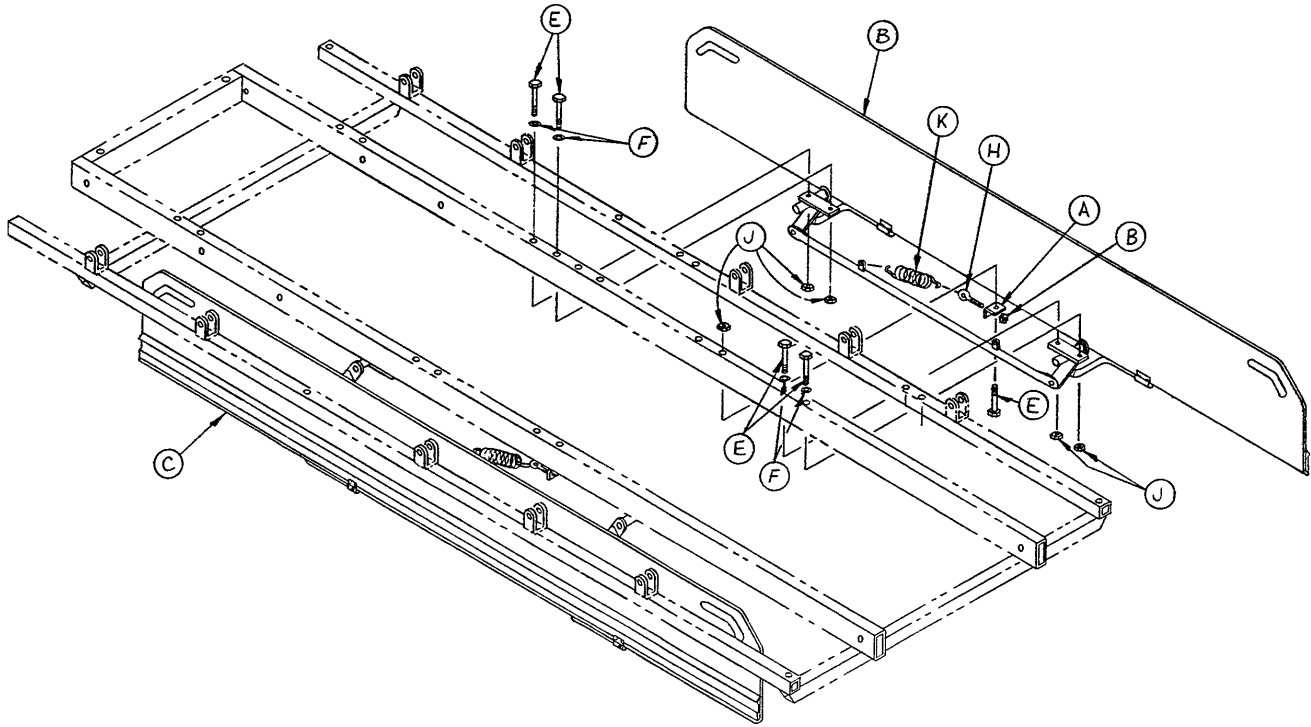
Item	Part No.	Part Name	Qty.
A	1010-31-77	Gas Cylinder	2
B	1010-31-31	Cylinder Mount	2
C	16-35	Nylock Hex Nut	2
D	14-21	Flat Washer	4
E	3-5	Hex Hd. Cap Screw	4
F	16-28	Nylock Hex Nut	4

# 1530-29-19 Short Transfer Board to Frame Assembly



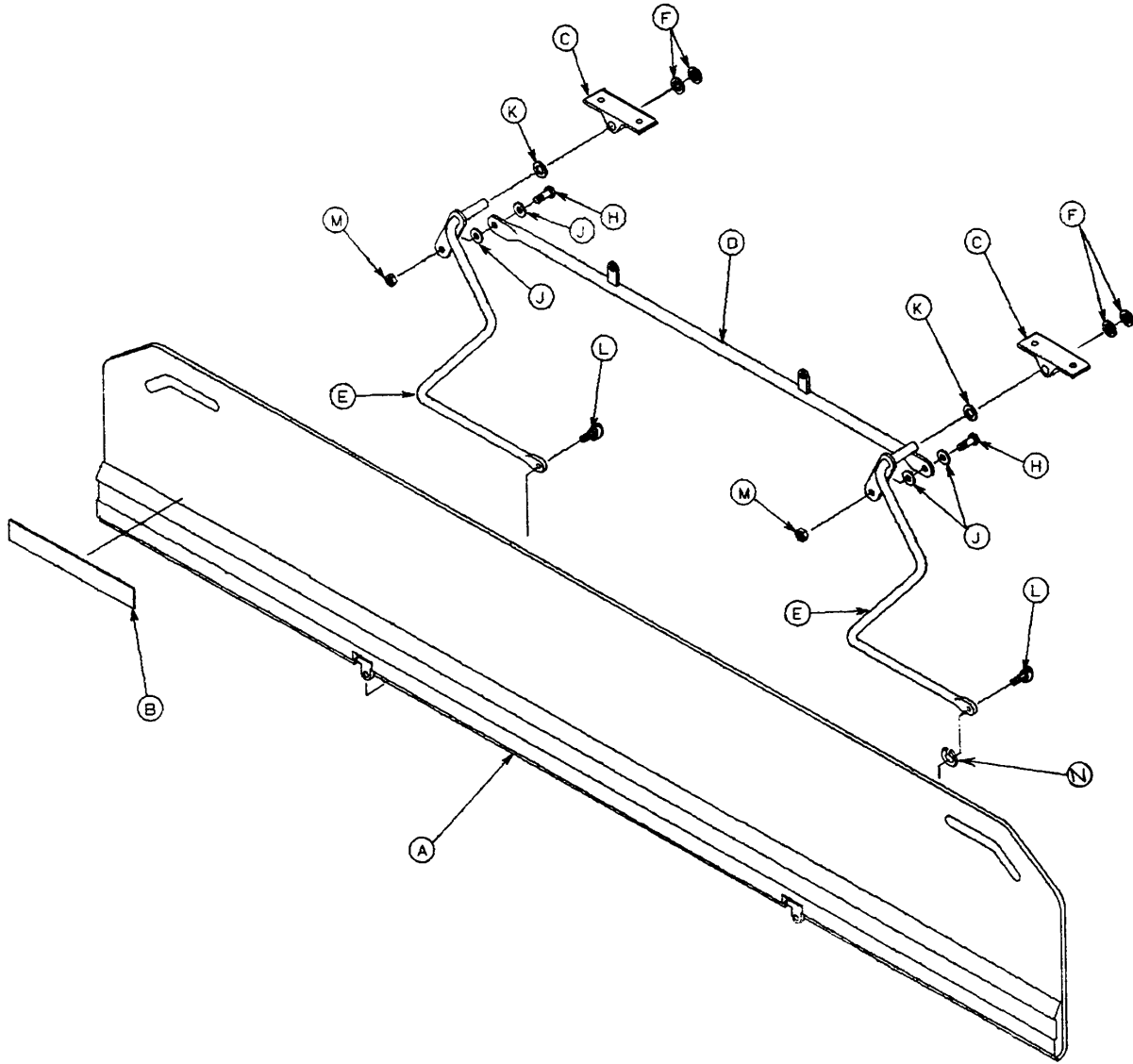
Item	Part No.	Part Name	Qty.
A	38-218	Extension Spring	2
B	(Page 84)	Rt. Trans. System Ass'y	1
C	(Page 83)	Lt. Trans. System Ass'y	1
D	15-21	Jam Nut	2
E	3-73	Hex Hd. Cap Screw	10
F	11-180	Nylon Flat Washer	8
H	10-11	Eye Bolt	2
J	16-28	Nylock Hex Nut	10
K	1010-24-25	Spring Retainer	2

# 1530-29-5 Long Transfer System to Frame Assembly



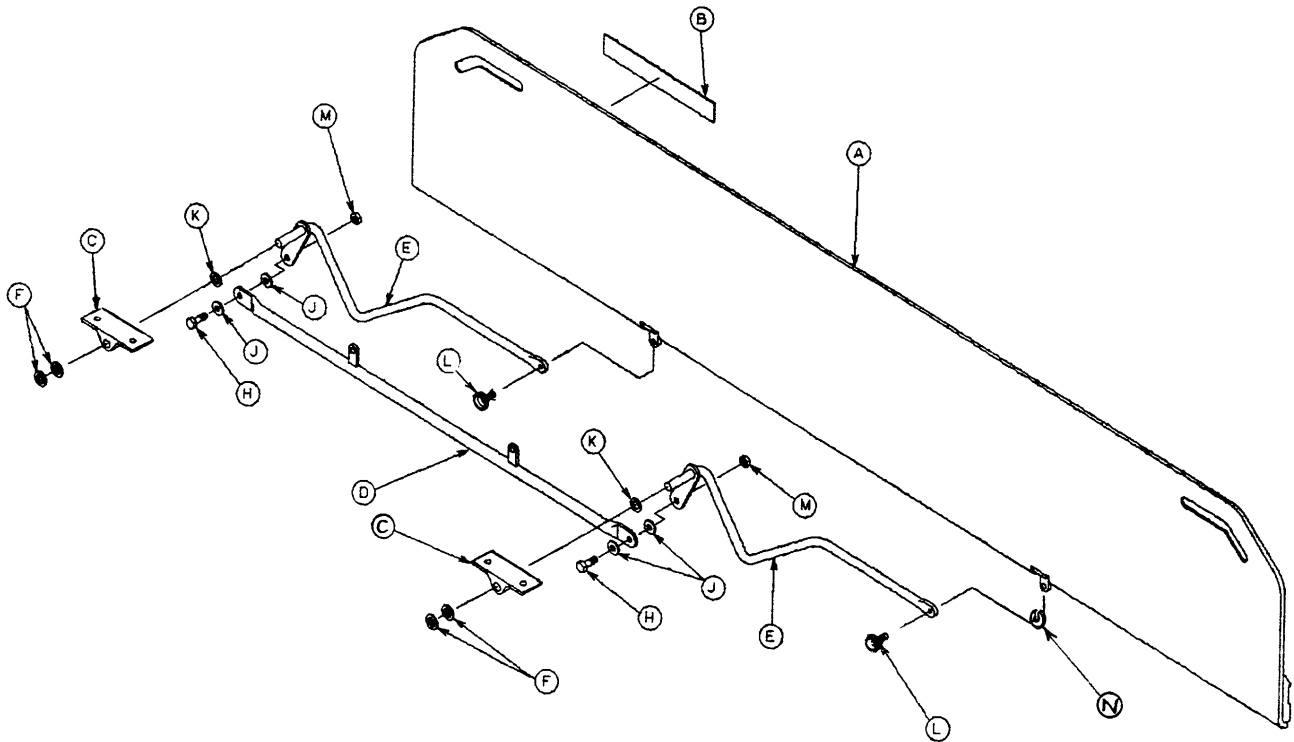
Item	Part No.	Part Name	Qty.
A	1010-24-25	Spring Retainer	2
B	(Page 86)	Rt. Trans. System Ass'y	1
C	(Page 85)	Lt. Trans. System Ass'y	1
D	15-21	Jam Nut	2
E	3-73	Hex Hd. Cap Screw	10
F	11-180	Nylon Flat Washer	8
H	10-11	Eye Bolt	2
J	16-28	Nylock Hex Nut	10
K	38-218	Extension Spring	2

# 1030-32-103 Short Transfer System Assembly, Left



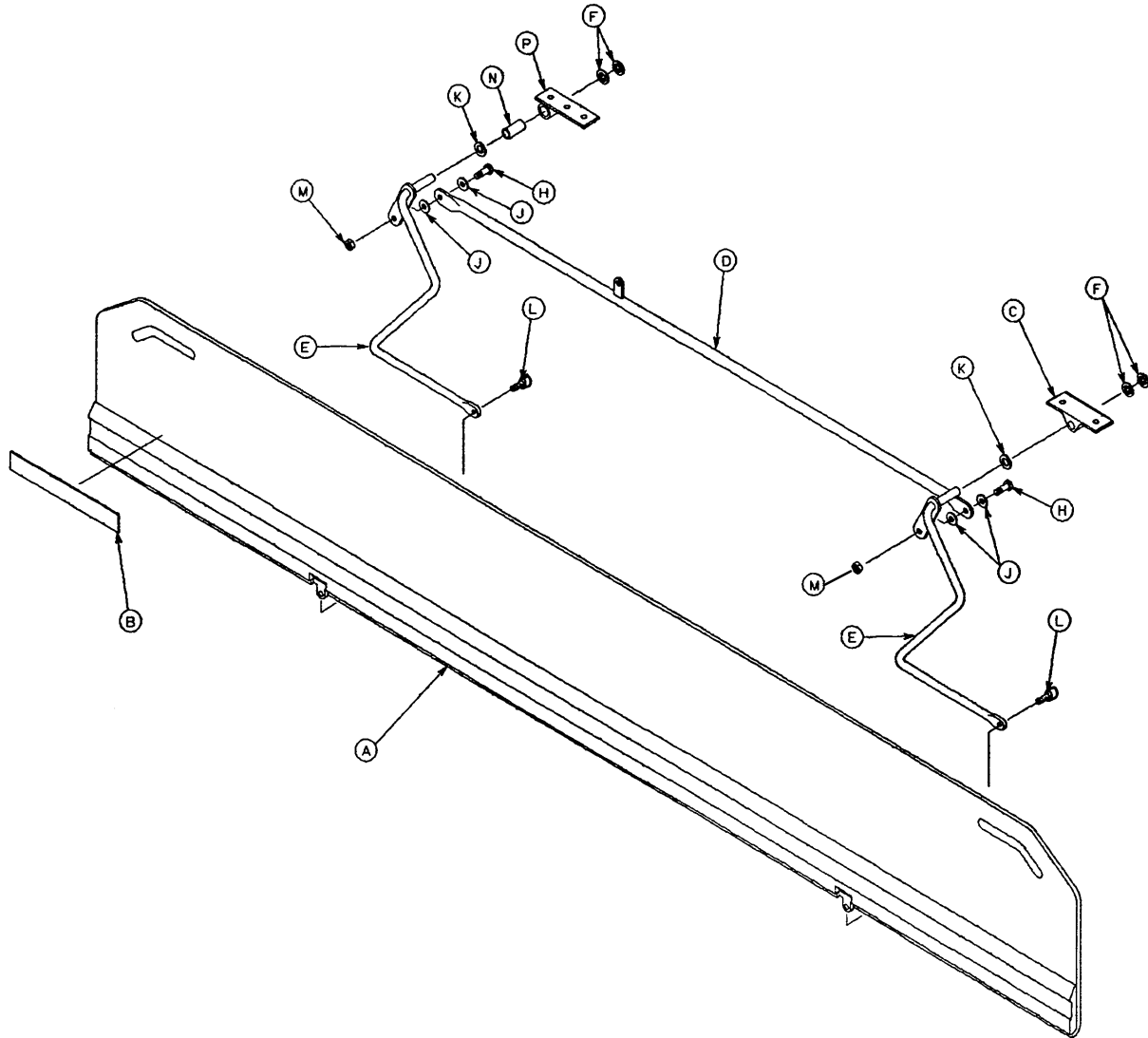
Item	Part No.	Part Name	Qty.
A	1030-32-100	Transfer Board Ass'y	1
B	721-24-46	Label	1
C	1010-32-98	Pivot	2
D	1010-24-22	Connecting Link Ass'y	1
E	1010-32-94	Pivot Arm Ass'y, Left	2
F	28-93	Retaining Ring	4
H	3-50	Hex Hd. Cap Screw	2
J	11-224	Nylon Flat Washer	4
K	14-21	Nylon Flat Washer	2
L	4-156	Soc. Hd. Cap Screw	2
M	16-28	Nylock Hex Nut	2
N	14-2	Washer	1

# 1030-32-104 Short Transfer System Assembly, Right



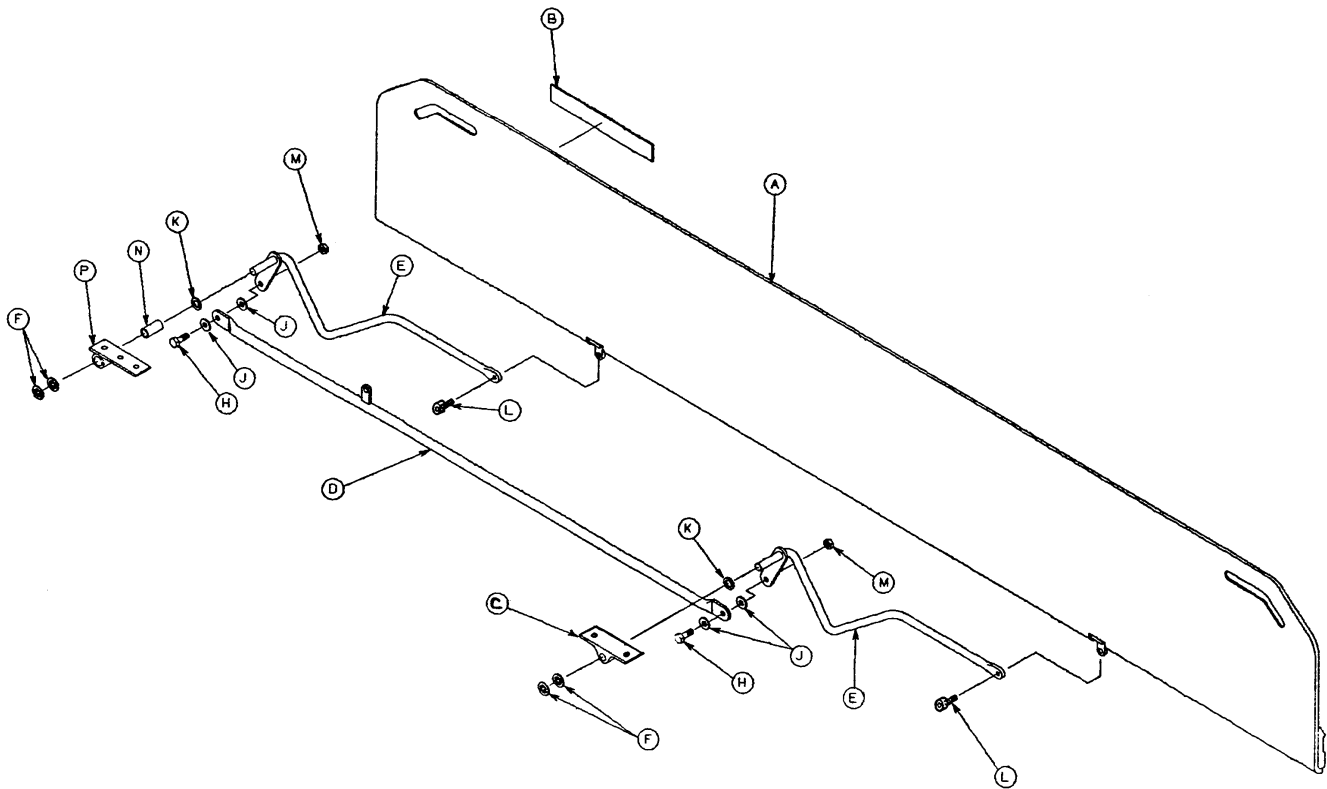
Item	Part No.	Part Name	Qty.
A	1030-32-100	Transfer Board Ass'y	1
B	721-24-46	Label	1
C	1010-32-98	Pivot	2
D	1010-24-22	Connecting Link Ass'y	1
E	1010-32-96	Pivot Arm Ass'y, Right	2
F	28-93	Retaining Ring	4
H	3-50	Hex Head Cap Screw	2
J	11-224	Nylon Flat Washer	4
K	14-21	Nylon Flat Washer	2
L	4-156	Soc. Hd. Cap Screw	2
M	16-28	Nylock Hex Nut	2
N	14-2	Washer	1

# 1530-29-15 Long Transfer System Assembly, Left



Item	Part No.	Part Name	Qty.
A	1530-32-17	Transfer Board Ass'y	1
B	721-24-46	Label	1
C	1010-32-98	Pivot	2
D	1510-29-7	Connecting Link Ass'y	1
E	1010-32-94	Pivot Arm Ass'y, Left	2
F	28-93	Retaining Ring	4
H	3-50	Hex Hd. Cap Screw	2
J	11-224	Nylon Flat Washer	4
K	14-21	Nylon Flat Washer	2
L	4-156	Socket Hd. Cap Screw	2
M	16-28	Nylock Hex Nut	2
N	1510-29-33	Bearing	1
P	1510-29-31	Brg. Strap & Sleeve Ass'y	1

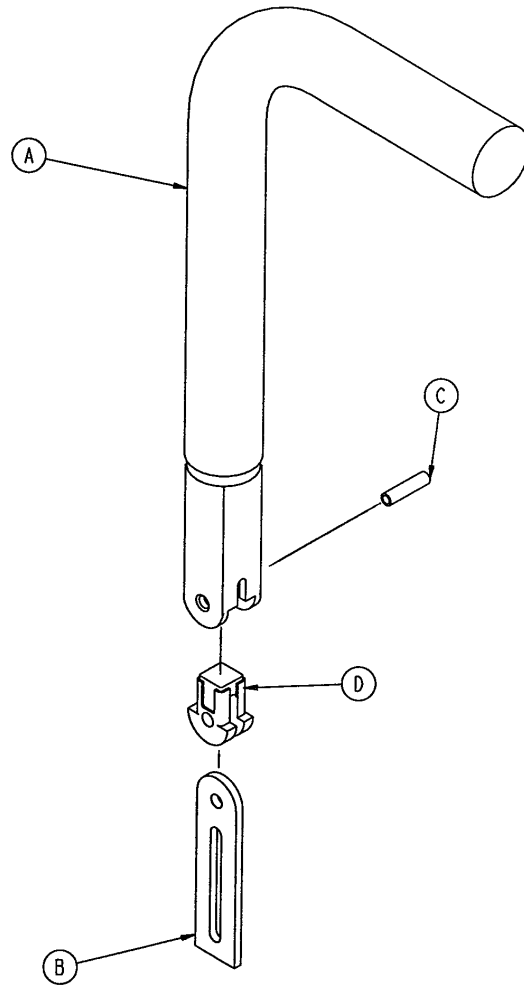
# 1530-29-14 Long Transfer System Assembly, Right



Item	Part No.	Part Name	Qty.
A	1530-32-18	Transfer Bd. Ass'y	1
B	721-24-46	Label	1
C	1010-32-98	Pivot	2
D	1510-29-6	Connecting Link Ass'y	1
E	1010-32-96	Pivot Arm Ass'y, Right	2
F	28-93	Retaining Ring	4
H	3-50	Hex Hd. Cap Screw	2
J	11-224	Nylon Flat Washer	4
K	14-21	Nylon Flat Washer	2
L	4-156	Socket Hd. Cap Screw	2
M	16-28	Nylock Hex Nut	2
N	1510-29-33	Bearing	1
P	1510-29-31	Brg. Strap & Sleeve Ass'y	1

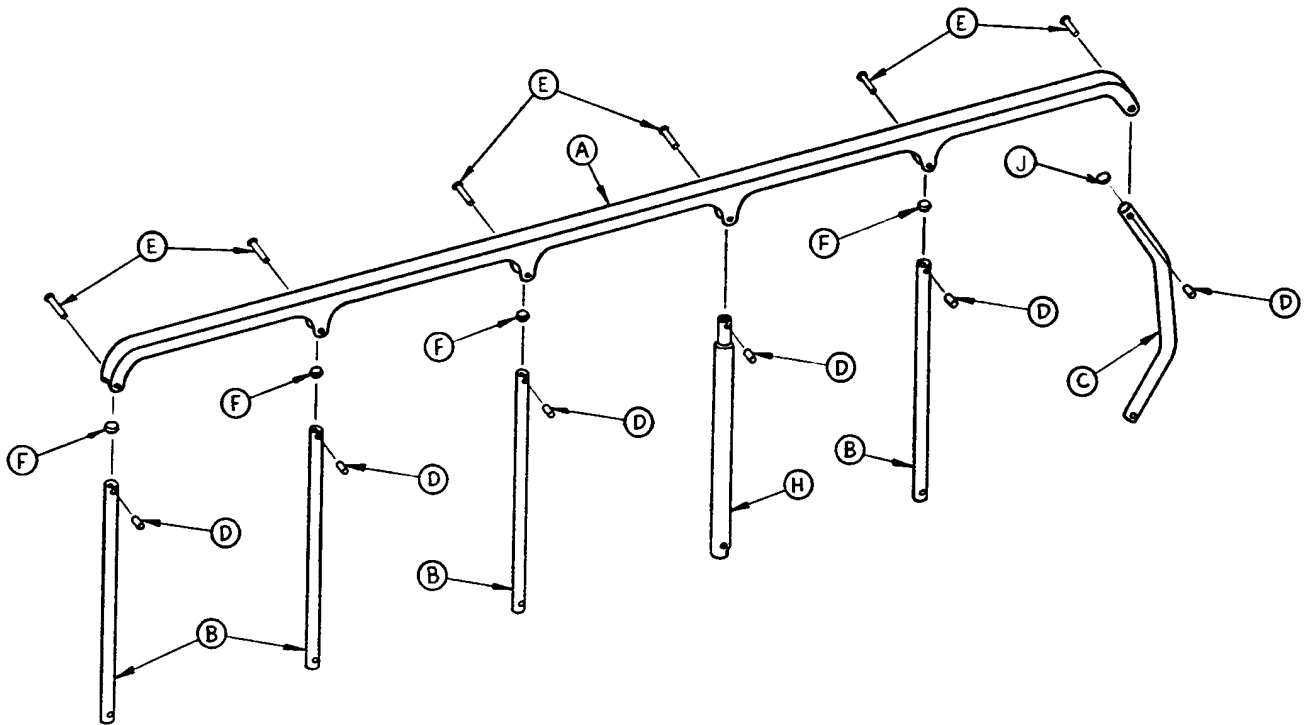


# 1010-1-30 Push Handle Assembly



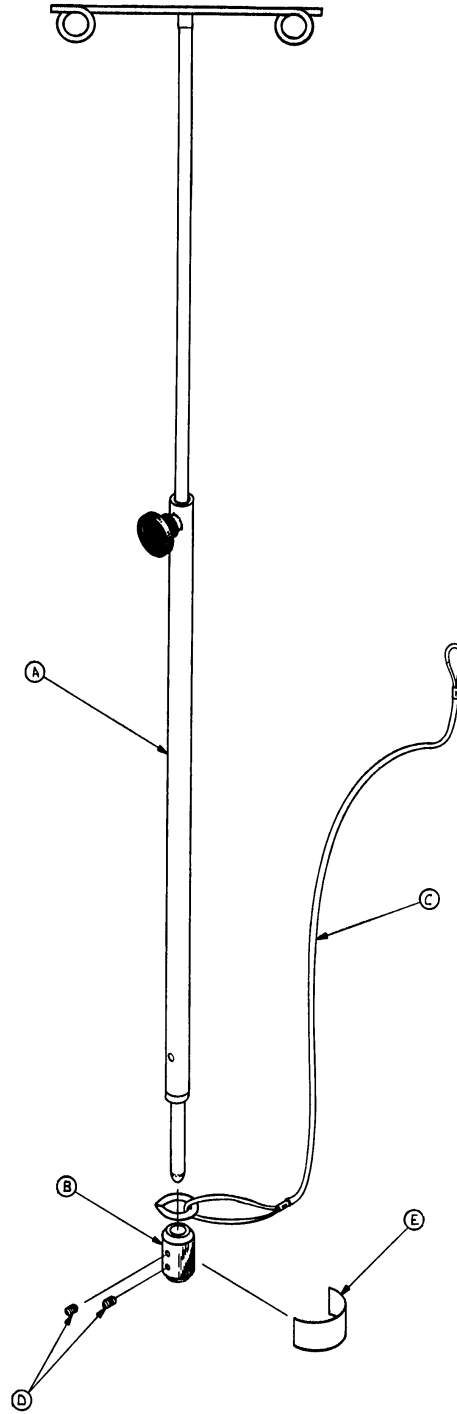
Item	Part Name	Part No.	Qty.
A	1010-254-18	Sleeve Assembly	1
B	1010-254-24	Stop Link	1
C	26-10	Roll Pin	1
D	1010-254-23	Link Support	1

# 1010-26-17 & 1010-26-19 Siderail Assembly



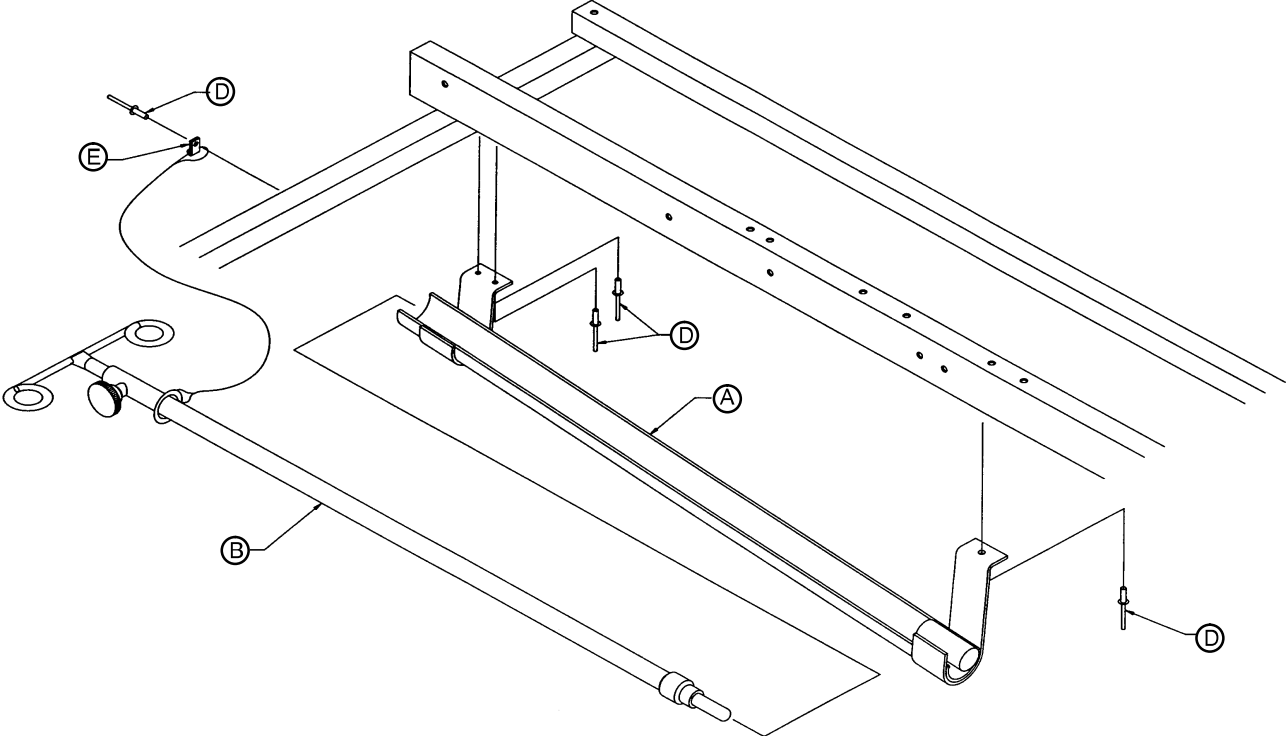
Item	Part No.	Part Name	Qty.
A	1010-26-15	Top Rail	1
B	1010-26-83	Upright	4
C	1010-26-84	Upright, Bent	1
D	1010-26-82	Sleeve Bearing	6
E	25-106	Semi-Tubular Rivet	6
F	1010-26-10	Round Hole Plug	4
H	1010-26-85	Upright, Latch	1
J	1010-26-12	Bent Spindle Rest	1

# 1010-22-26 Tethered I.V. Pole Assembly



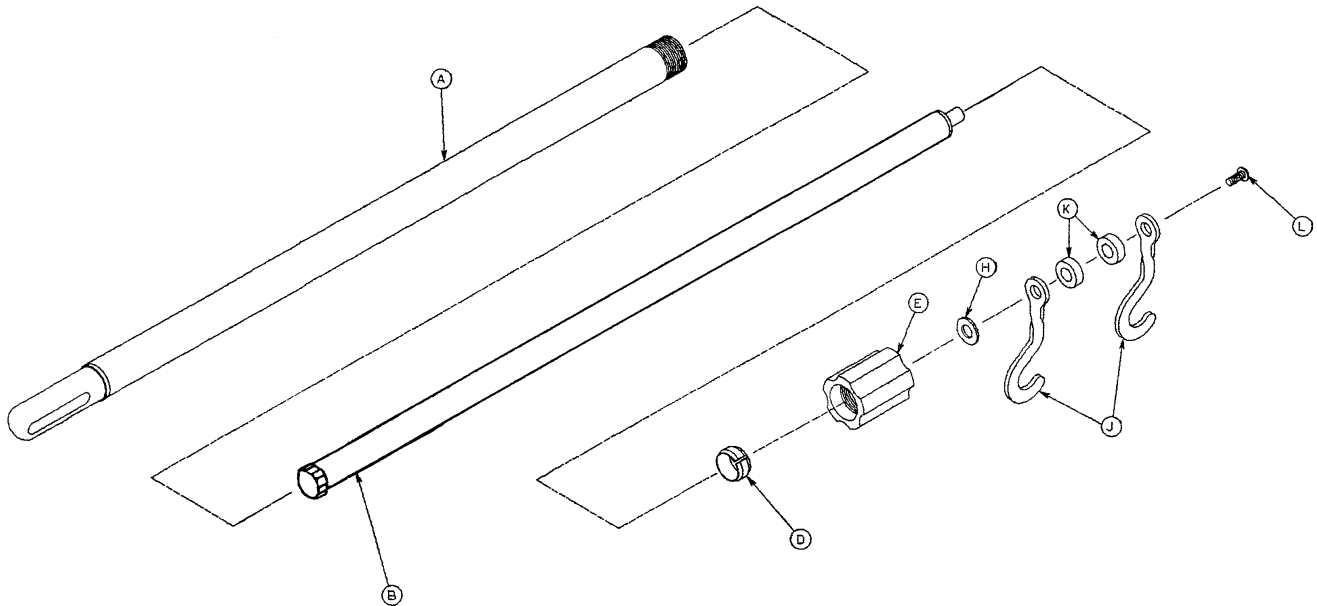
Item	Part No.	Part Name	Qty.
A	721-47-6	I.V. Holder	1
B	721-47-14	Retainer	1
C	1010-22-27	Cable Assembly	1
D	21-16	Set Screw	2
E	1010-22-27	Label	1

# 1010-22-20 Tethered I.V. to Frame Assembly



Item	Part No.	Part Name	Qty.
A	1010-22-25	Trough Assembly	1
B	(Page 89)	Tethered I.V. Assembly	1
D	25-92	Pop Rivet	4
E	34-22	Loop Clamp	1

# 1010-59-10 & 1510-59-10 Permanent I.V. Pole Ass'y



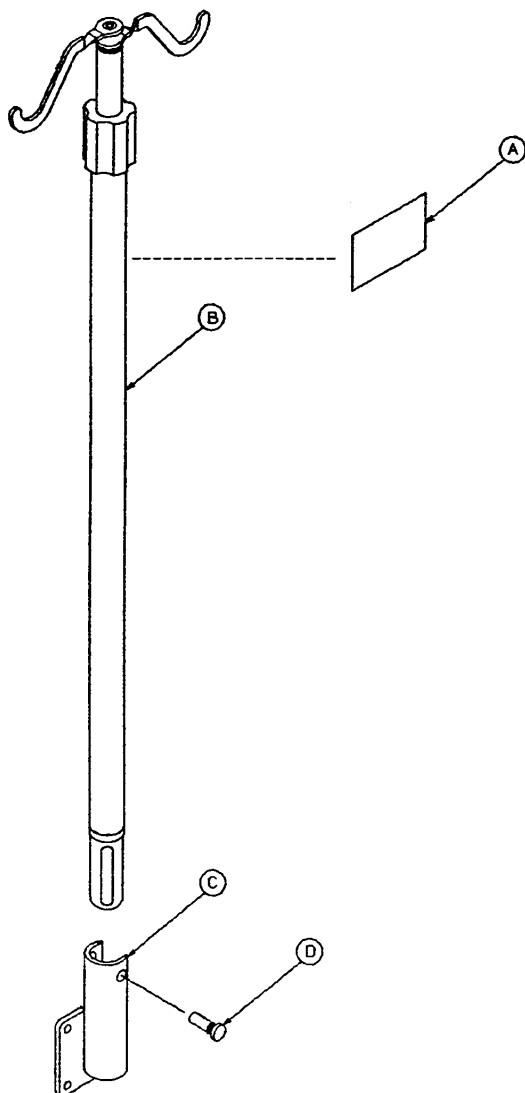
## 1010-59-10

## 1510-59-10

Item	Part No.	Part Name	Qty.
A	1010-59-24	Base Tube Ass'y	1
B	1010-59-30	Exten. Tube Ass'y	1
D	1001-59-47	Lock Ring	1
E	1001-59-46	Lock Actuator	1
H	14-20	Nylon Flat Washer	As Req'd
J	1010-59-16	I.V. Hook	2
K	52-17	Nylon Spacer	2
L	7-4	Truss Hd. Mach. Scr.	1

Item	Part No.	Part Name	Qty.
A	1510-59-15	Base Tube Ass'y	1
B	1510-59-13	Exten. Tube Ass'y	1
D	1001-59-47	Lock Ring	1
E	1001-59-46	Lock Actuator	1
H	14-20	Nylon Flat Washer	As Req'd
J	1010-59-16	I.V. Hook	2
K	52-17	Nylon Spacer	2
L	7-4	Truss Hd. Mach. Scr.	1

# Permanent I.V. Pole to Frame Assembly



## 1010-80 (Foot)

Item	Part No.	Part Name	Qty.
A	1010-80-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	I.V. Socket Ass'y	1
D	1015-24-35	Retaining Pin	1

## 1010-81 (Head)

Item	Part No.	Part Name	Qty.
A	1010-81-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	I.V. Socket Ass'y	1
D	1015-24-35	Retaining Pin	1

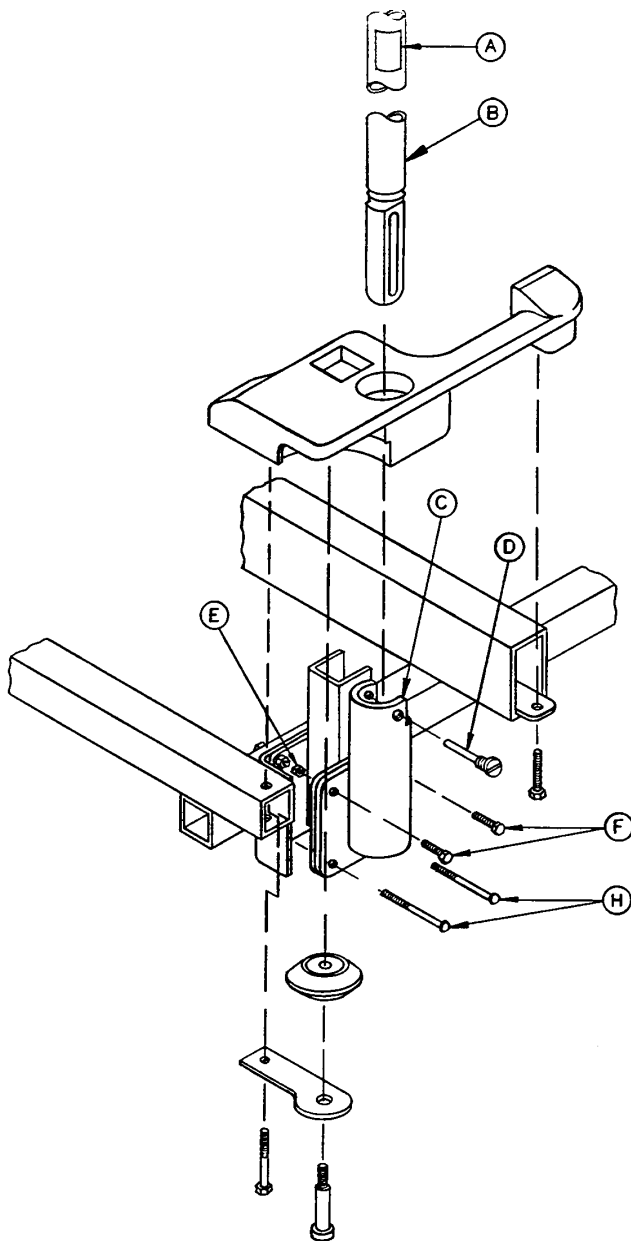
## 1510-80 (Foot)

Item	Part No.	Part Name	Qty.
A	1510-80-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	I.V. Socket Ass'y	1
D	1015-24-35	Retaining Pin	1

## 1510-81 (Head)

Item	Part No.	Part Name	Qty.
A	1510-81-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	I.V. Socket Ass'y	1
D	1015-24-35	Retaining Pin	1

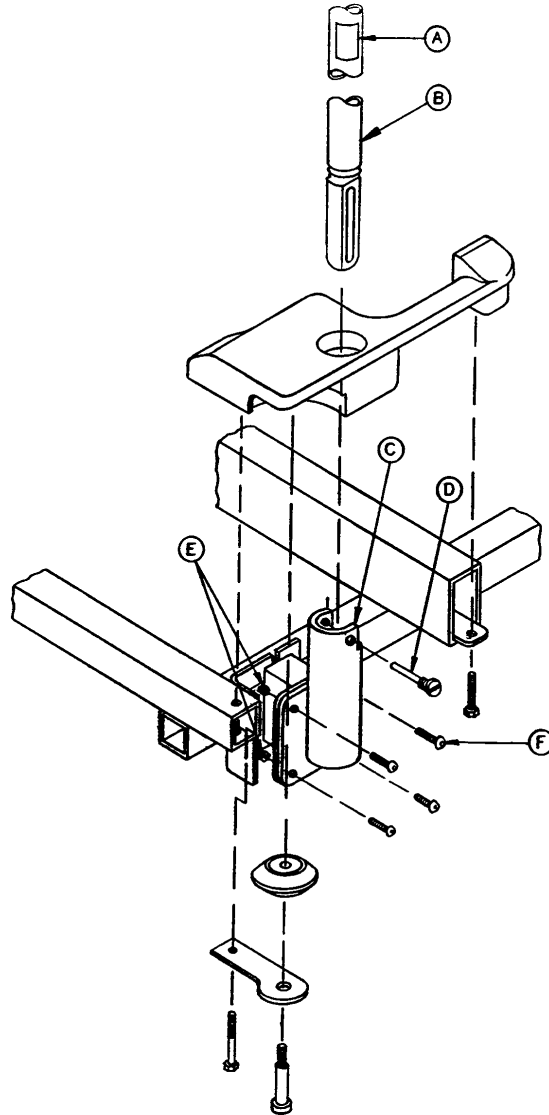
# 1010-81-100 Replacement Perm. I.V. Pole, Head



Item	Part No.	Part Name	Qty.
A	1010-81-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	Socket Ass'y	1
D	1015-24-35	Retaining Pin	1
E	16-28	Nylock Hex Nut	4
F	3-50	Hex Hd. Cap Screw	2
H	4-163	Button Hd. Cap Screw	2

# 1010-80-100 Replacement Perm. I.V. Pole, Foot

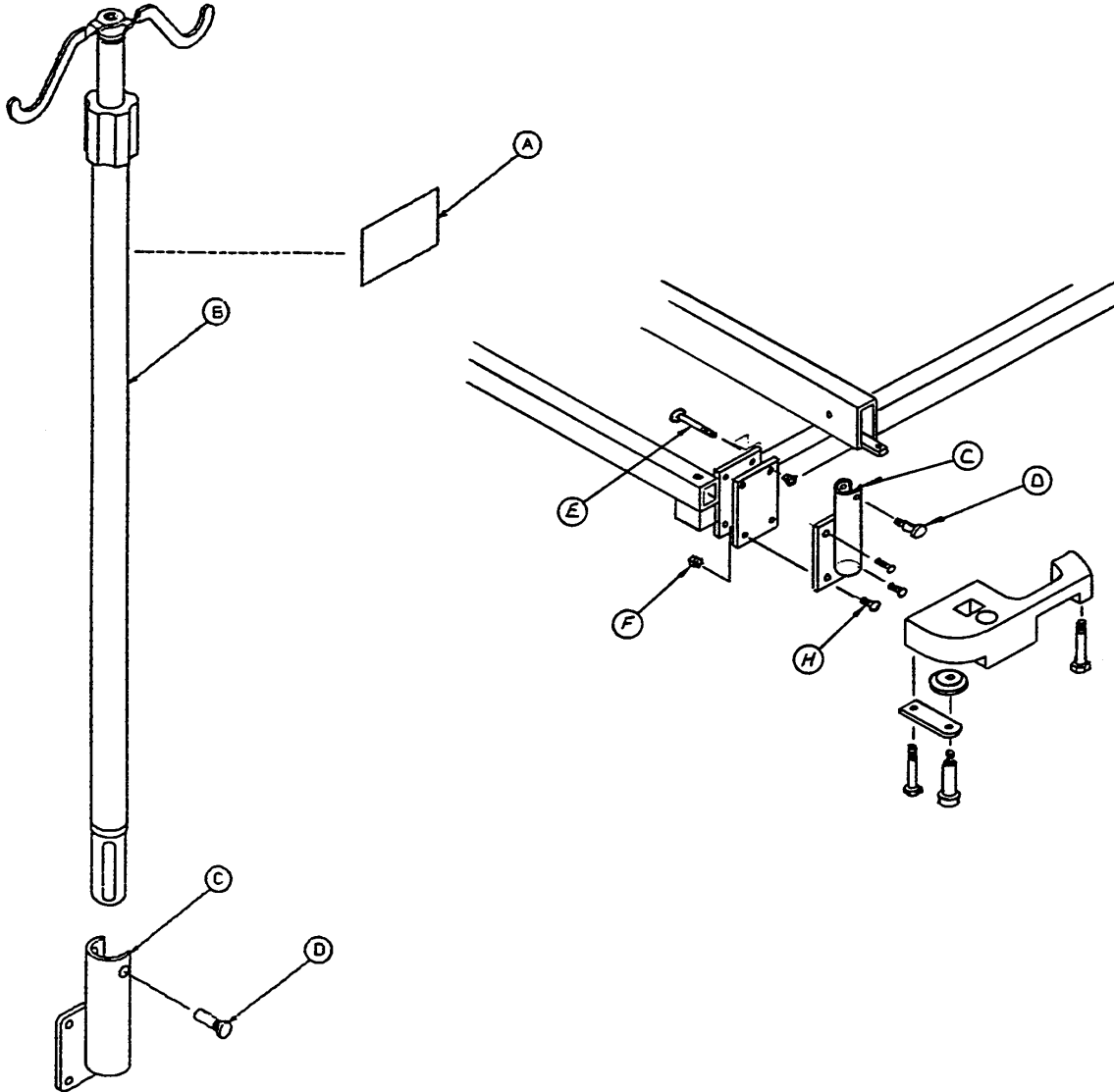
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Item	Part No.	Part Name	Qty.
A	1010-80-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	Socket Ass'y	1
D	1015-24-35	Retaining Pin	1
E	16-28	Nylock Hex Nut	4
F	4-161	Button Hd. Cap Screw	4



# Replacement Permanent I.V. Pole Assembly



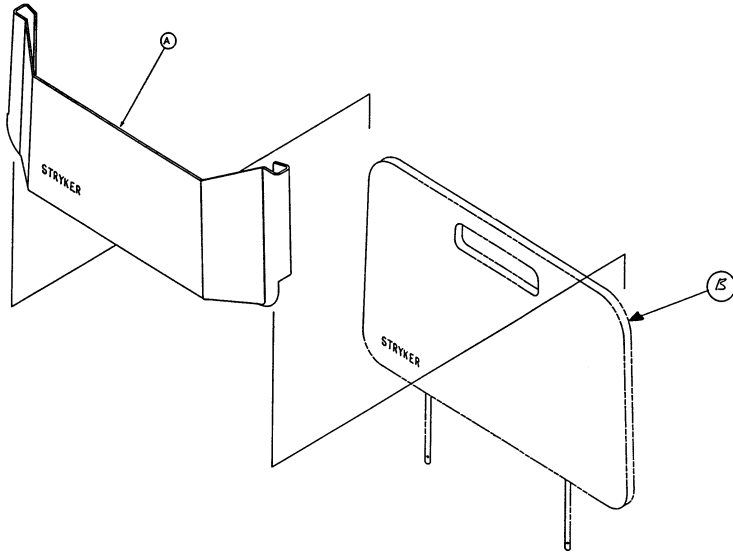
## 1510-80-100 (Foot)

Item	Part No.	Part Name	Qty.
A	1510-80-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	I.V. Socket Ass'y	1
D	1015-24-35	Retaining Pin	1
E	4-163	But. Hd. Cap Screw	1
F	16-28	Nyloc Hex Nut	4
H	4-161	But. Hd. Cap Screw	4
J	26-12	Roll Pin (Not Shown)	1
K	51-13	Loctite (Not Shown)	1

## 1510-81-100 (Head)

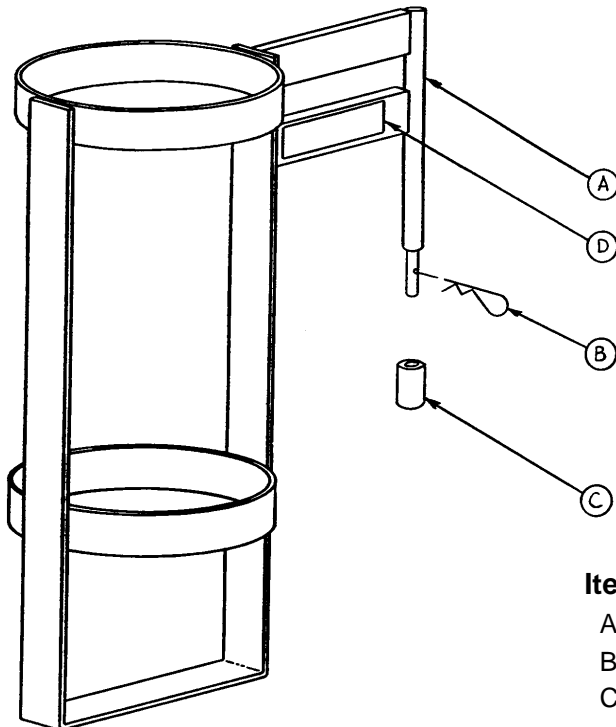
Item	Part No.	Part Name	Qty.
A	1510-81-11	Spec. Label	1
B	(Page 91)	I.V. Pole Ass'y	1
C	1010-59-45	I.V. Socket Ass'y	1
D	1015-24-35	Retaining Pin	1
E	4-163	But. Hd. Cap Screw	1
F	16-28	Nyloc Hex Nut	4
H	4-161	But. Hd. Cap Screw	4
J	26-12	Roll Pin (Not Shown)	1
K	51-13	Loctite (Not Shown)	1

# 741-34\* Footboard/Chartholder & 1010-30 Bottle Holder Ass'y



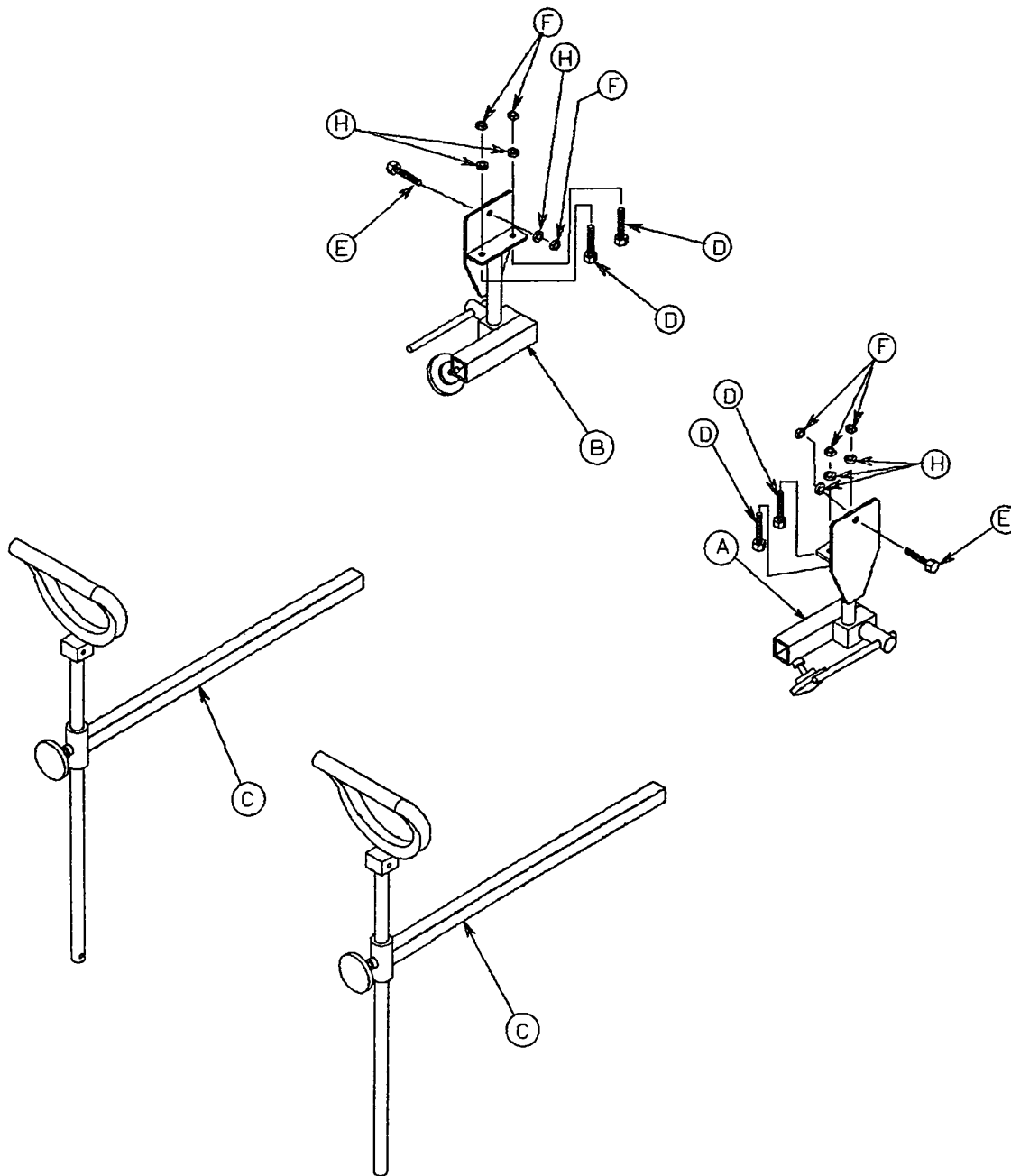
Item	Part No.	Part Name	Qty.
A	946-28-11	Chart Holder	1
B	741-29-18	Head/Foot Board	1

\*Replacement Part Number 741-34-100



Item	Part No.	Part Name	Qty.
A	1010-30-11	Upright Bottle Holder	1
B	27-12	Cotter Pin	1
C	741-30-24	Nylon Stand-Off	1
D	1010-30-17	Spec. Label	1

# 1010-55-10 Stirrup and Support Assembly\*

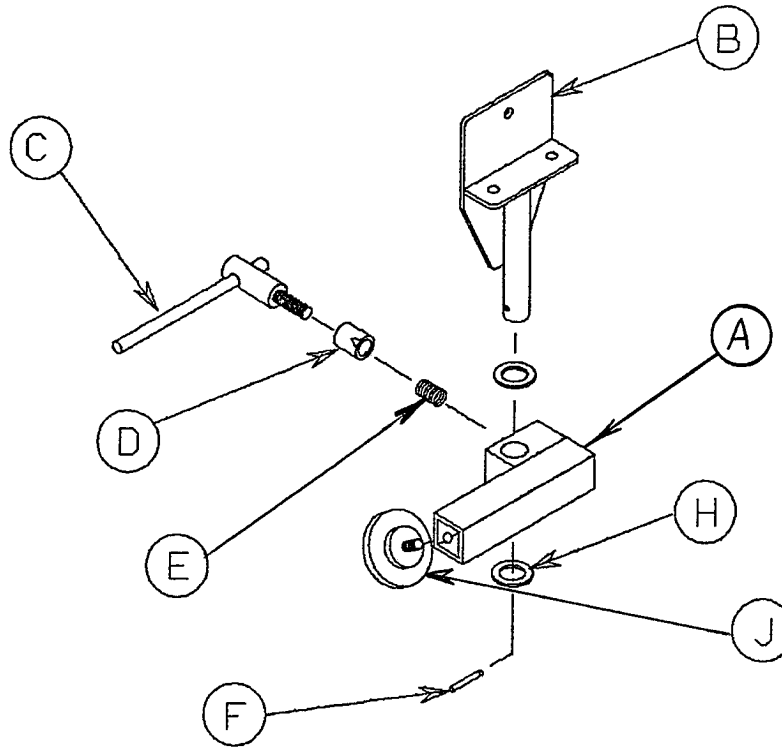


Item	Part No.	Part Name	Qty.
A	(Page 98)	Rt. Stirrup Support Ass'y	1
B	(Page 99)	Lt. Stirrup Support Ass'y	1
C	(Page 100)	Stirrup Assembly	2
D	3-73	Hex Head Cap Screw	4
E	3-47	Hex Head Cap Screw	2
F	16-28	Nylock Hex Nut	6
H	11-158	Flat Washer	6

\*Replacement Part Number 1010-55-100

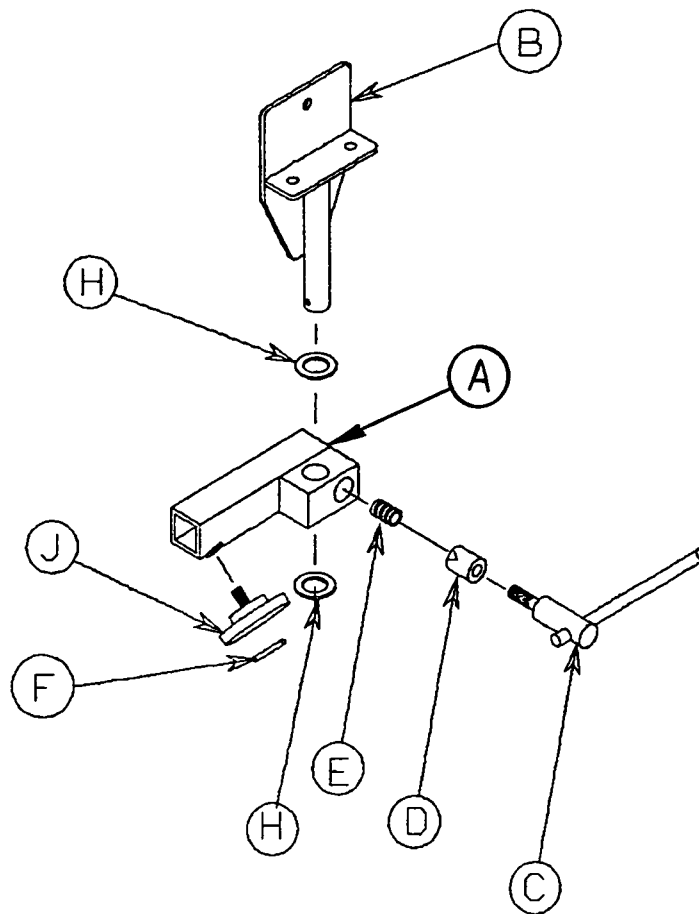
# 1010-55-15 Right Stirrup Support Assembly

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Item	Part No.	Part Name	Qty.
A	1010-55-16	Rt. Support Tube Ass'y	1
B	1010-55-20	Mounting Bracket	1
C	650-2-32	Lock Screw Assembly	1
D	966-51-19	Wedge Lock, Modified	1
E	38-171	Compression Spring	1
F	26-7	Roll Pin	1
H	14-40	Nylon Flat Washer	2
J	24-11	Knob	1

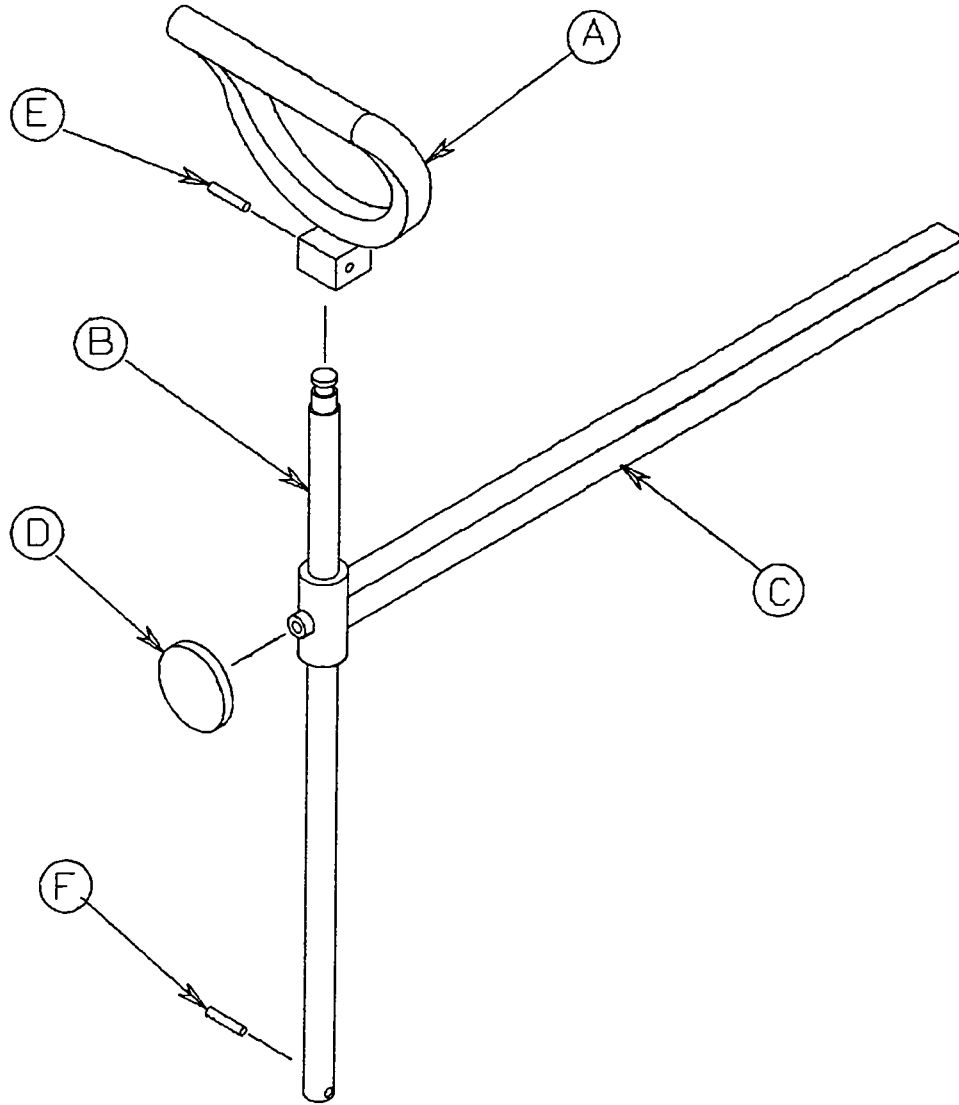
# 1010-55-25 Left Stirrup Support Assembly



Item	Part No.	Part Name	Qty.
A	1010-55-26	Left Support Tube Ass'y	1
B	1010-55-20	Mounting Bracket	1
C	650-2-32	Lock Screw Assembly	1
D	966-51-19	Wedge Lock, Modified	1
E	38-171	Compression Spring	1
F	26-7	Roll Pin	1
H	14-40	Nylon Flat Washer	2
J	24-11	Knob	1

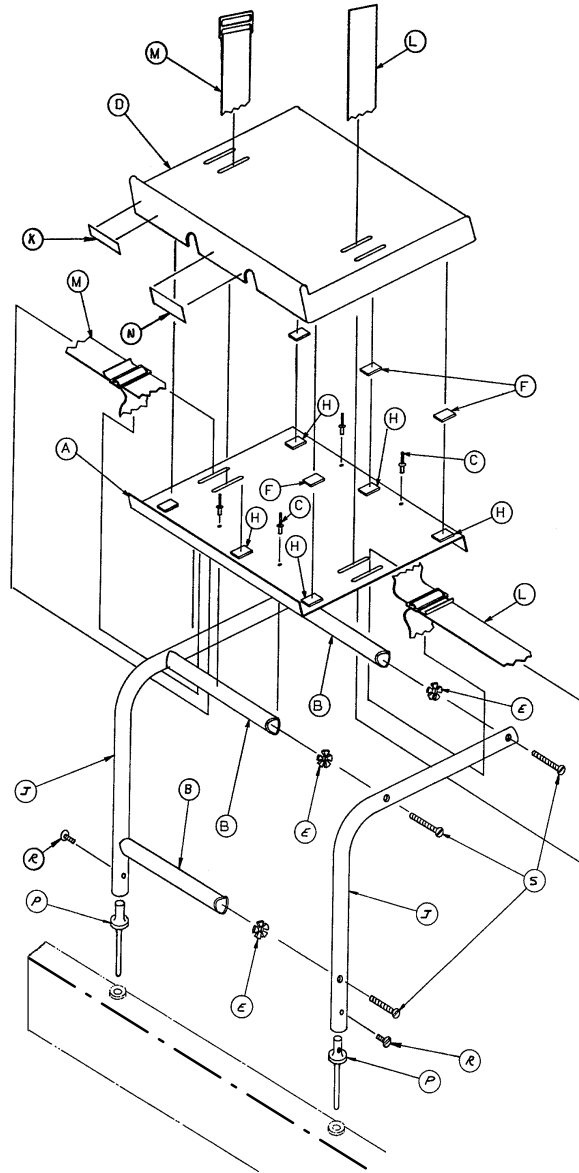
# 1010-55-29 Stirrup Assembly

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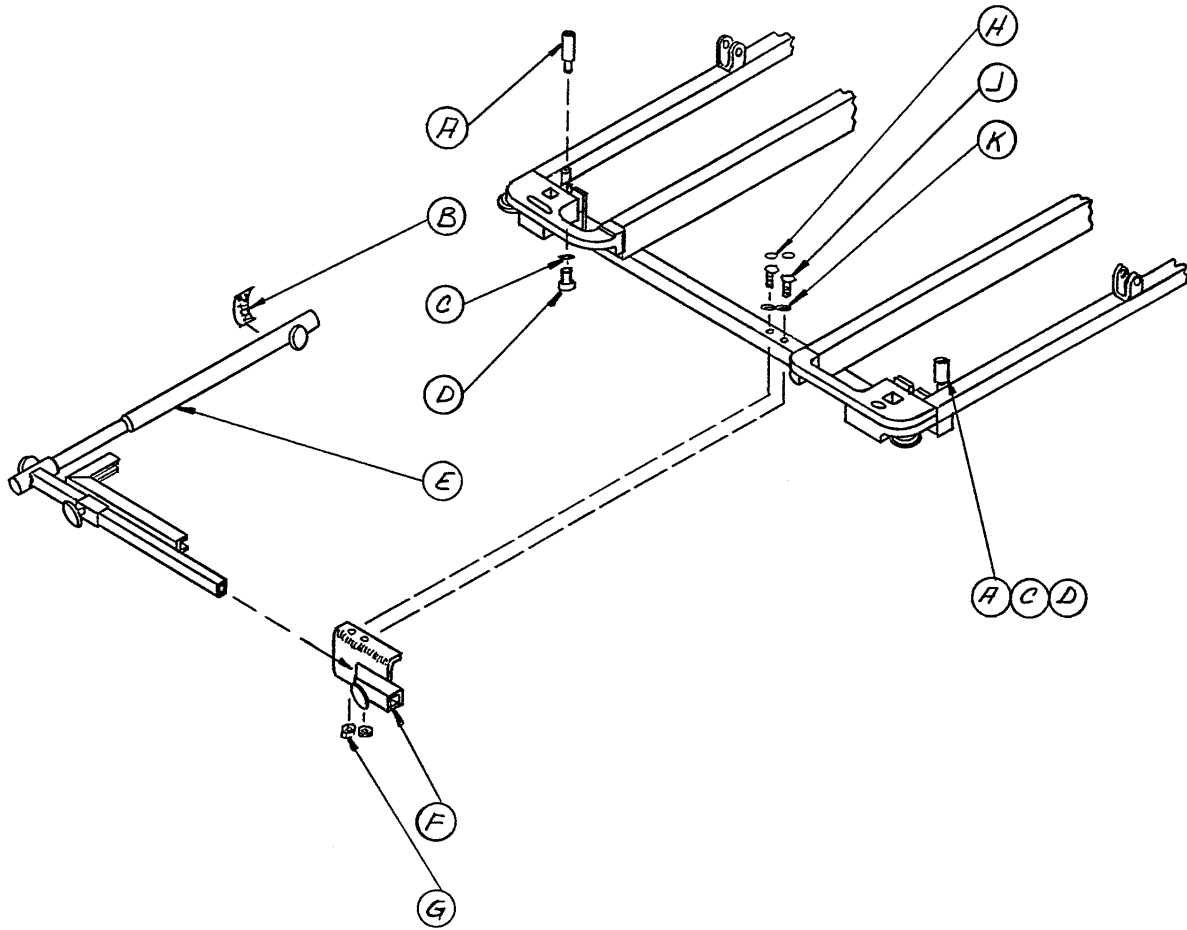
Item	Part No.	Part Name	Qty.
A	390-20-13	Stirrup	1
B	390-20-9	Stirrup Holder Assembly	1
C	1010-55-30	Extension Tube Assembly	1
D	24-11	Knob	1
E	26-43	Roll Pin	1
F	26-7	Roll Pin	1

# 741-48-14 Defibrillator Tray Assembly



Item	Part No.	Part Name	Qty.
A	946-39-4	Tray	1
B	926-39-16	Crosstube	3
C	25-55	Rivet	4
D	926-39-9	Cover	1
E	18-6	Umbrella Nut	6
F	29-8	Dual Lock	6
H	29-10	Dual Lock	6
J	946-39-3	Support Tube	2
K	741-48-12	Label	1
L	390-57-12	Long Strap	1
M	390-57-13	Short Strap	1
N	946-1-283	Label	1
P	741-48-20	Holder	2
R	2-44	Screw	2
S	2-25	Screw	6

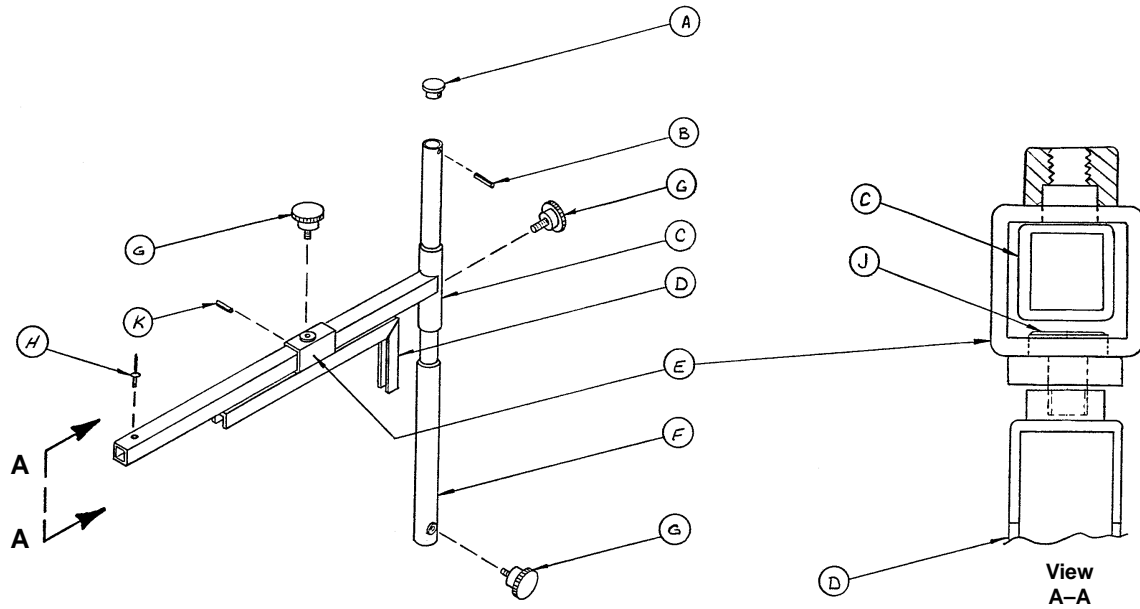
# 1010-70-1 C-Spine Cassette Holder Assembly



Item	Part No.	Part Name	Qty.
A	1010-70-25	I.V. Adaptor	2
B	1010-70-18	Specification Label	1
C	11-3	Flat Washer	2
D	4-91	Soc. Hd. Cap Screw	2
E	(page 101.2)	Support Pole Assembly	1
F	(page 101.3)	Storage Bracket Ass'y	1
G	16-5	Conelock Nut	2
H	37-55	Cap	2
J	3-47	Hex Hd. Cap Screw	2
K	37-56	Washer	2

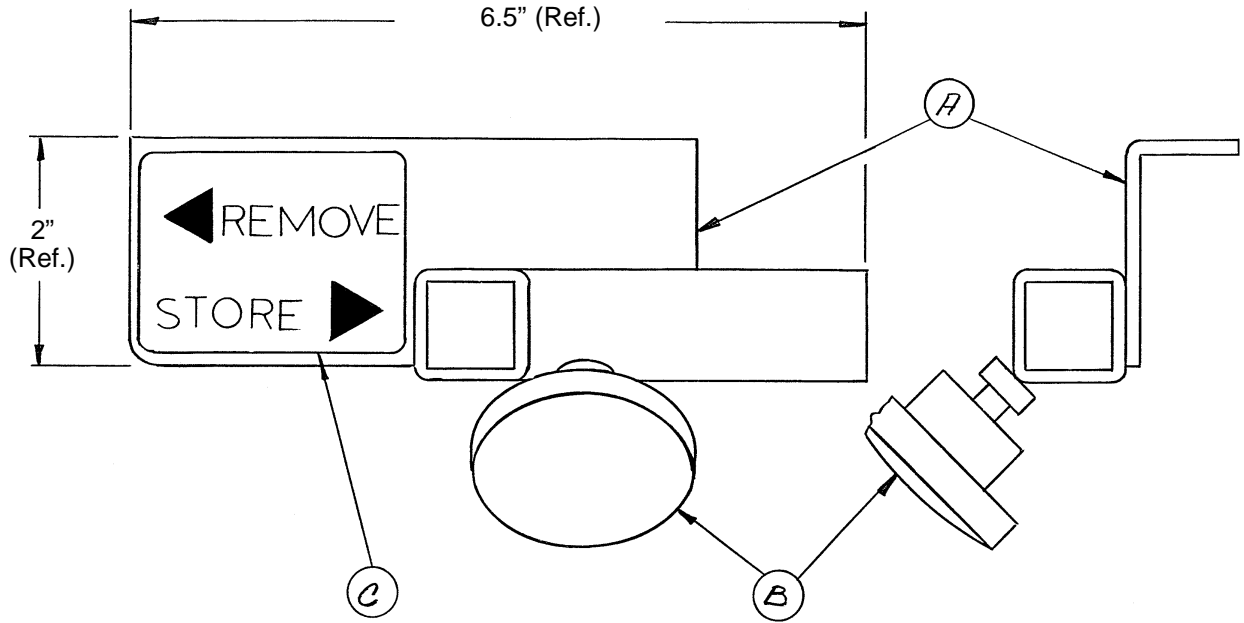


# 1010-70-10 C-Spine Support Pole Assembly



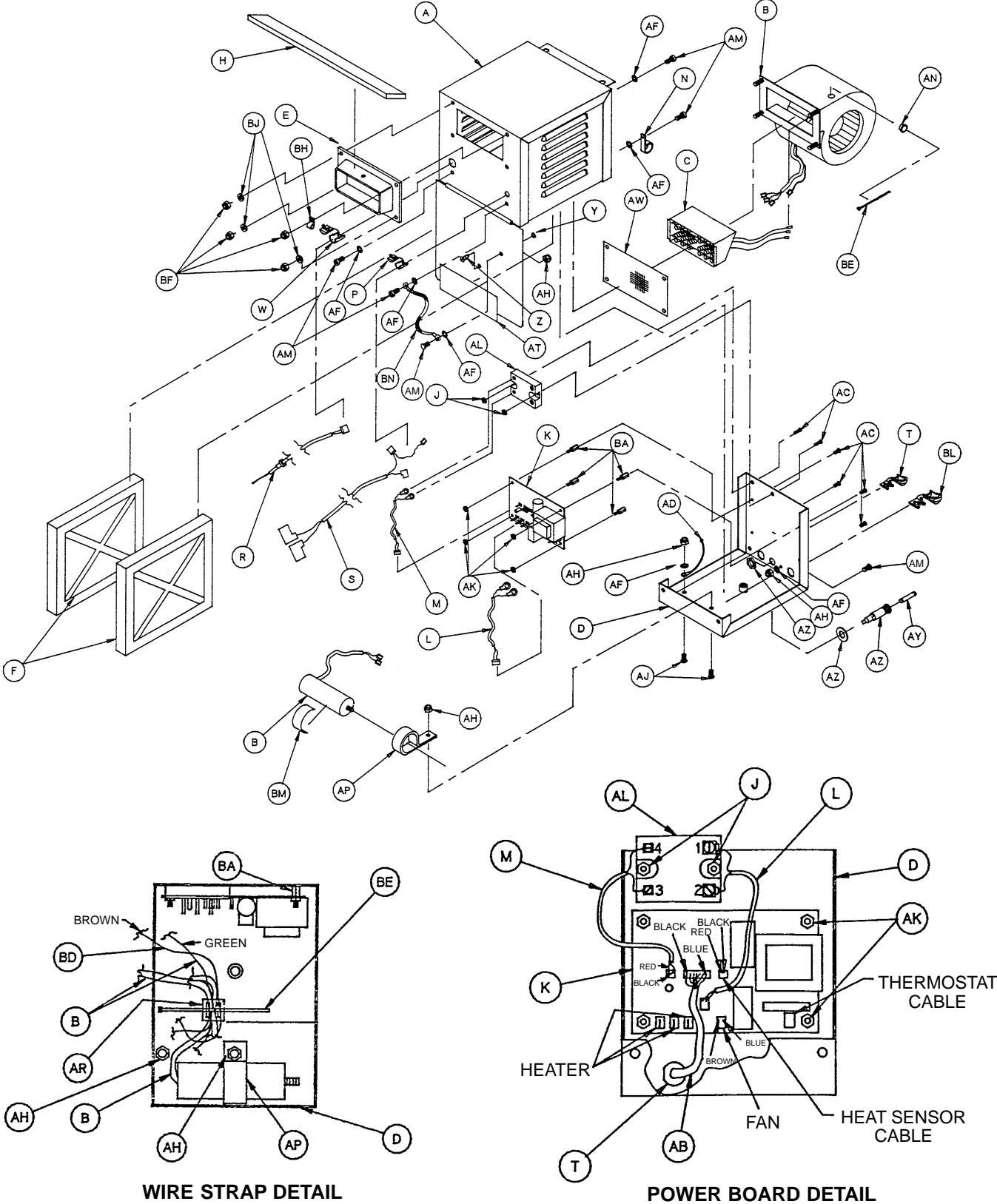
Item	Part No.	Part Name	Qty.
A	1010-70-33	Support Tube Cap	1
B	26-6	Roll Pin	1
C	1010-70-34	Support Arm Weldment	1
D	1010-70-42	Cassette Holder Weldment	1
E	1010-70-50	Adjustment Tube Weldment	1
F	1010-70-30	Base Tube Weldment	1
G	1010-70-45	Knob	3
H	25-55	Pop Rivet	1
J	1010-70-44	Pivot Pin	1
K	26-5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

# 1010-70-19 C-Spine Storage Bracket Assembly



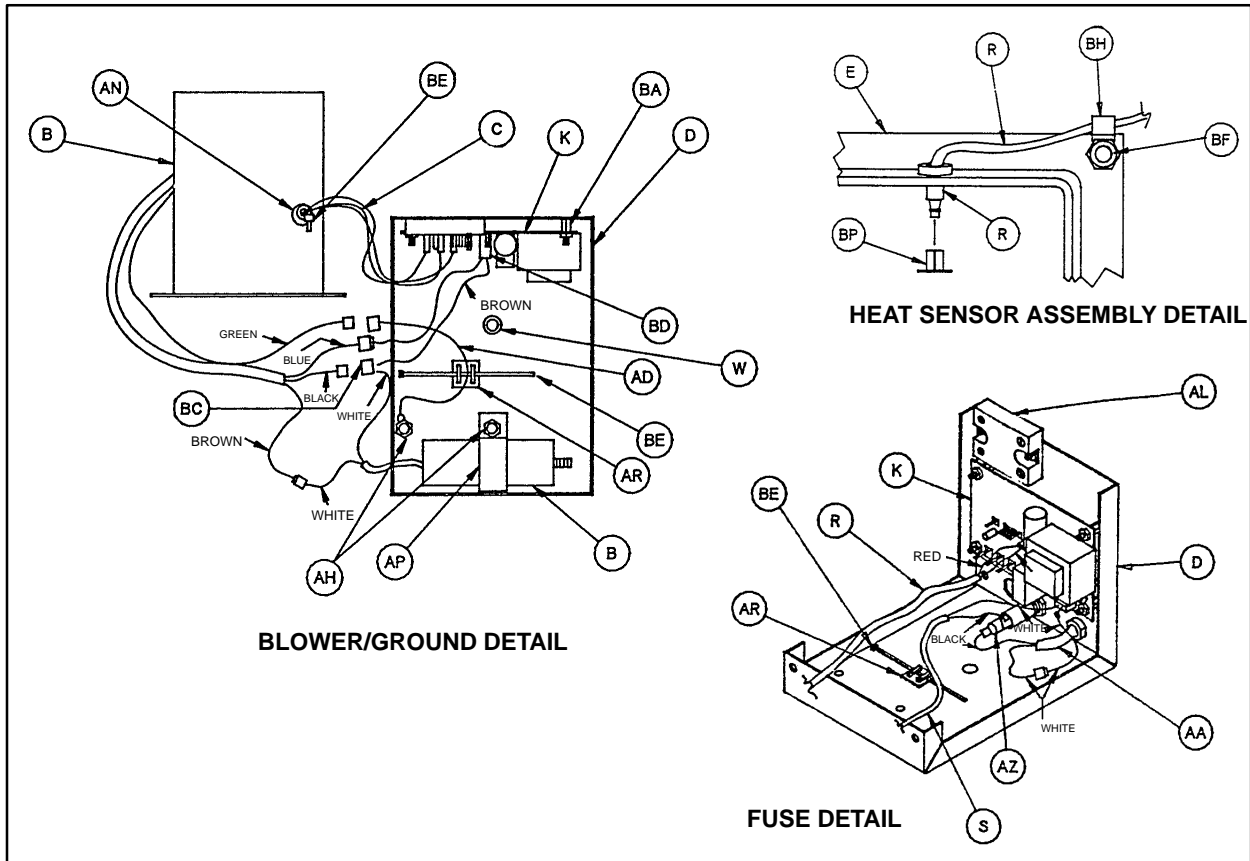
Item	Part No.	Part Name	Qty.
A	1010-70-20	Storage Bracket Weldment	1
B	1010-70-45	Knob	1
C	1010-70-23	Storage Label	1

# 1030-33-3 Blower Box Assembly

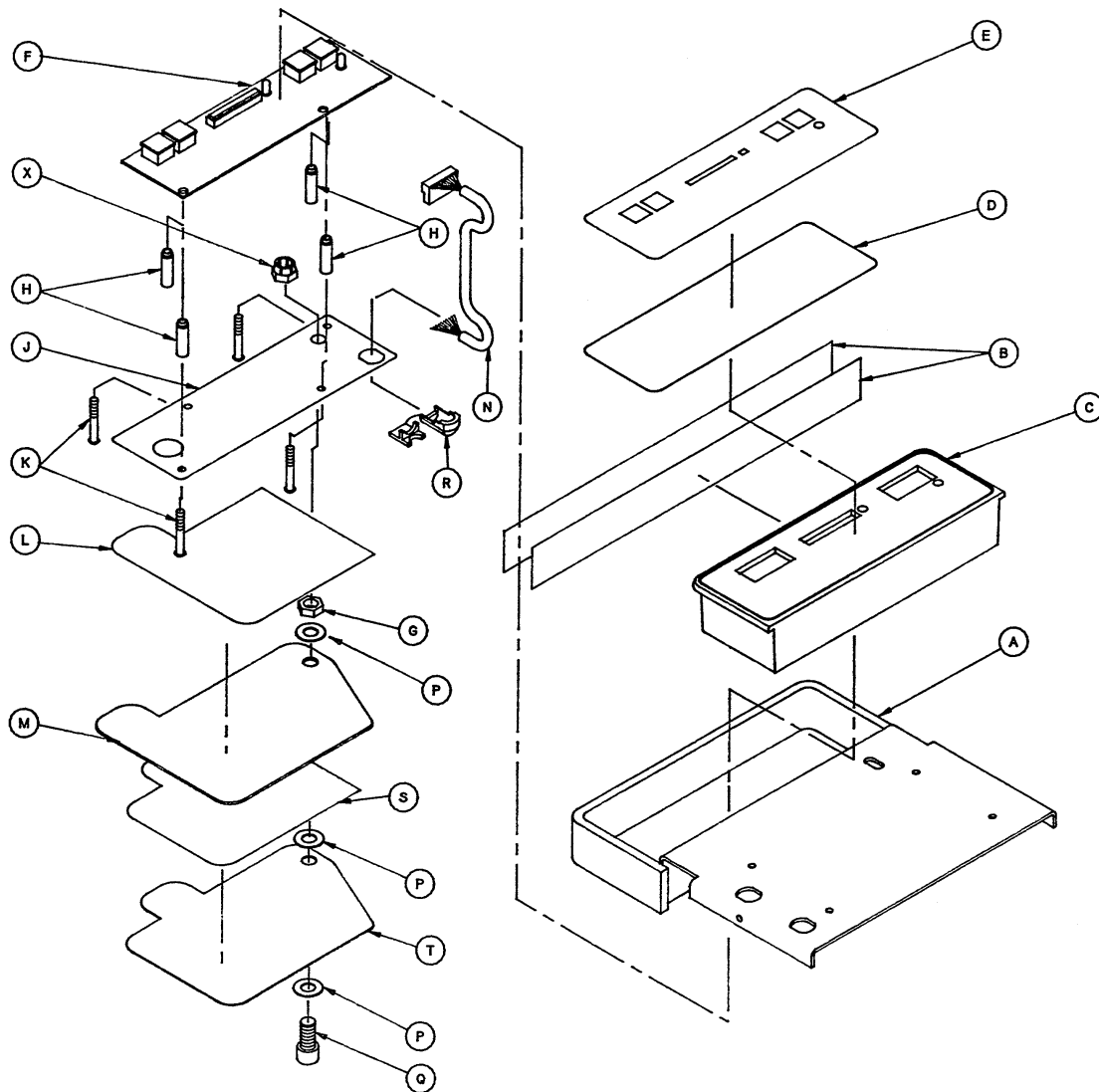


# 1030-33-3 Blower Box Assembly

Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1030-33-5	Blower Box Wldmt.	1	AH	16-3	Fiberlock Nut	4
B	58-13	Blower Fan Capacitor	1	AJ	4-136	But. Hd. Cap Screw	2
C	58-6	Heater	1	AK	16-42	Nylon Hex Nut	4
D	1030-33-15	Blower Box Bottom	1	AL	1030-75-16	Solid State Relay	1
E	1030-33-12	Blower Snout	1	AM	4-32	Soc. Hd. Cap Screw	6
F	58-5	Filter	2	AN	52-256	Snub Bushing	1
H	1030-33-14	Snout Foam	1	AP	58-8	3-Hole Clamp	1
J	16-23	Fiberlock Nut	2	AR	38-261	Mounting Platform	1
K	1030-75-17	Power Board	1	AS	1030-1-59	8A Fuse Label	1
L	1030-75-9	Opto Cable, 110V	1	AT	988-2-708	Caution Label	1
M	1030-75-8	Opto Cable	1	AW	1030-33-17	Screen	1
N	52-258	Wiring Clip	1	AY	59-57	8A Fuse	1
P	52-255	Straight Bushing	1	AZ	2020-2-664	Fuseholder	1
R	1030-75-19	Heat Sensor	1	BA	52-55	Standoff	4
S	1030-75-5	Thermostat Cable	1	BC	3-520140-4	Female Connector	1
T	52-253	Right Angle Bushing	2	BD	1030-75-12	Fan Jumper Cable	1
W	52-257	Strain Relief	1	BE	58-14	Cable Tie	2
Y	58-9	Split Ring Retainer	1	BF	16-14	Fiberlock Nut	4
Z	58-10	1/4 Turn Fastener	1	BH	52-259	Cable Clamp	1
AA	1030-75-23	Power Cable	1	BJ	11-62	Flat Washer	3
AB	1030-75-2	CPU Cable	1	BL	52-261	Right Angle Bushing	1
AC	4-118	But. Hd. Cap Screw	6	BM	44-29	Double-Sided Tape	2"
AD	1030-75-20	Blower Ground Jumper	1	BN	1030-75-22	Ground Strap	1
AE	1030-1-58	1/10 A Fuse Label	1	BP	59-66	Heat Sink	1
AF	13-18	Ext. Tooth Washer	7				



# 1030-73-1 Display Box Assembly



Item	Part No.	Part Name	Qty.
A	1030-73-7	Bumper Weldment	1
B	44-29	Double-Sided Tape	26"
C	1030-73-10	Display Box	1
D	1030-73-16	Lexan	1
E	1030-73-17	Display Label	1
F	1030-75-15	Display Board	1
G	15-6	Finished Hex Nut	1
H	58-3	Self-Retaining Spacer	4
J	1030-73-19	Display Box Bottom	1
K	4-175	Button Head Cap Screw	4
L	1030-1-14	Instruction Label	1
M	1030-73-12	Instruction Tab	1
N	1030-75-3	Display Cable	1
P	14-20	Thrust Washer	3
Q	4-12	Soc. Hd. Cap Screw	1
R	52-253	Heyco Hole Plug	1
S	1030-1-13	Conversion Chart	1
T	1030-73-13	Instruction Tab, Middle	1
W	1030-73-18	Foam Block	2
X	16-12	Flexlock Nut	1



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DH 9/92 1030-1-2 REV\_\_