



OPERATING MANUAL

Hausted® Horizon® Series
Multi-Purpose Stretchers –
Electric Powered
Models: 4E1 & 4E2
4D1 & 4D2
GFH1300114RevB14



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A WORD FROM GF HEALTH PRODUCTS, INC.

This manual contains important information on proper use and maintenance of the Hausted® Horizon® Series Multi-Purpose Stretchers – Electric Powered. All personnel involved in the use and maintenance of this equipment must carefully review and comply with the warnings, cautions and instructions contained in this manual. These instructions are important to protect the health and safety of personnel operating a Hausted Horizon Series Electric Powered Multi-Purpose Stretcher and should be retained in a conveniently accessible area for quick reference.

Complete instructions for uncrating and connecting utilities, as well as equipment drawings, have been furnished. If missing, contact GF Health Products, Inc. for replacement copies, giving the serial number and model number of the unit.

GF Health Products, Inc. carries a complete line of accessories for use with these stretchers. A representative will gladly review these with you.

Indications for Use

The Hausted Horizon Series Multi-Purpose Stretchers – Electric Powered are intended for use in patient treatment, transport or recovery.

Service Information

A thorough preventive maintenance program is essential to safe and proper unit operation. This manual contains maintenance schedules and procedures which should be followed for satisfactory equipment performance.

We encourage you to contact GF Health Products, Inc. with any maintenance concerns.

Advisory

A listing of the safety precautions to be observed when operating and servicing this equipment can be found in Section 1 of this manual. Do not operate or service the equipment until you have become familiar with this information.

Any alteration of this equipment not authorized by GF Health Products, Inc., which could affect its operation, will void the warranty, could violate national, state, and local regulations, and could jeopardize your insurance coverage.



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Class 1 Equipment
Type B Equipment
Equipment not suitable for use
in the presence of a flammable anesthetic
mixture with air or
oxygen or nitrous oxide.
IPX4 (Splash-proof Equipment)
Not suitable for continuous operation
(Duty Cycle: 10% 2 minutes in 18 minutes)

The base language of this document is
ENGLISH. Any translations must be made
from the base language document.

TABLE OF CONTENTS

1	Listing of Warnings and Cautions.....	1-1
2	Uncrating Instructions.....	2-1
3	Operating Instructions.....	3-1
3.1	Stretcher Specifications	3-1
3.2	Features, Warnings and Proper Operation.....	3-3
3.3	Braking and Steering Operation	3-5
3.3.1	Applying the Brakes.....	3-5
3.3.2	Releasing the Brakes	3-5
3.3.3	Applying the Steering Lock/Fifth Wheel.....	3-5
3.3.4	Releasing the Steering Lock/Fifth Wheel.....	3-5
3.4	Litter Top Height Adjustment (4E1 Models Only).....	3-6
3.4.1	Height Adjustment	3-6
3.4.2	Lowering Litter Top	3-6
3.4.3	Trendelenburg Adjustment.....	3-6
3.4.4	Reverse Trendelenburg Adjustment	3-6
3.5	Electric Control Locations	3-7
3.5.1	Nurses Control Panel.....	3-7
3.5.2	Patient Pendant.....	3-7
3.5.3	Plug Locations	3-7
3.5.4	Emergency Electric Backrest Override	3-8
3.5.5	Low Battery Light (L.E.D.)	3-8
3.5.6	Charge Indicator Light	3-8
3.6	Litter Top Adjustment	3-9
3.6.1	Hand Pendant Functions	3-9
3.6.2	Nurse Control Functions.....	3-9
3.6.3	Lockout.....	3-12
3.7	Airglide Rail Operation.....	3-13
3.7.1	Raising the Rail	3-13
3.7.2	Lowering the Rail	3-13
3.8	Retracto Rail Operation.....	3-14
3.8.1	Raising the Rail	3-14
3.8.2	Half Height.....	3-14


TABLE OF CONTENTS

3.8.3 Lowering the Rail.....	3-12
3.9 Push Handle Operation (Optional Accessory).....	3-13
3.9.1 Raising the Push Handles	3-13
3.9.2 Lowering the Push Handles	3-13
3.10 Permanently Mounted IV Rod Operation.....	3-14
3.10.1 Putting I.V. Rod in Up Position	3-14
3.10.2 Extending I.V. Rod	3-14
3.10.3 Retracting I.V. Rod.....	3-14
4 Trouble Shooting Guide	4-1
4.1 Electric Powered Stretchers.....	4-1
4.2 Battery Replacement Instructions	4-2
5 Preventive Maintenance for the User	5-1
6 Optional Accessories.....	6-1
7 Recommended Replacement Parts.....	7-1
8 Appendix.....	8-1
8.1 Guidance and Manufacturer's Declaration - Electromagnetic Emissions	8-1
8.2 Guidance and Manufacturer's Declaration - Electromagnetic Immunity	8-2
8.3 Guidance and Manufacturer's Declaration - Electromagnetic Immunity	8-3
8.4 Recommended Separation Distances.....	8-4
9 Warranty	9-1
10 Disposal and Key to Symbols.....	10-1




The following Safety Precautions must be observed when operating or servicing this Hausted® Horizon® Multi-Purpose Stretchers. WARNING indicates the potential for personal injury and CAUTION indicates the potential for damage to equipment. For emphasis, certain Safety Precautions are repeated throughout the manual. It is important to review ALL Safety Precautions before operating or servicing the unit.

Strictly following these Safety Precautions enhances your ability to safely and effectively utilize the unit and helps the customer avoid improper maintenance methods which may damage the unit or render it unsafe. It is important to understand that these Safety Precautions are not exhaustive; customers are encouraged to develop their own safety policies and procedures to enhance and compliment these Safety Precautions.

WARNING – LACERATION HAZARD:









-  When cutting bands always use a tool specifically designed for that purpose. This will help to avoid personal injuries frequently incurred when bands are cut and tension released.

WARNINGS – PERSONAL INJURY:










-  Do not sit on end – tipping may occur.
-  Be sure I.V. rod is inserted completely into socket up to the arrow before applying load.
-  To reduce the risk of electric shock, do not remove the cover. Unit is to be service by qualified personnel only.



See Section 3 for the Warnings below:

WARNINGS – CAUTIONS AND PROPER OPERATION:


-  The stretchers have a warning label located at the head end stating: Maximum patient weight 226 Kilograms (500 lbs.) This is true for all models except the 4E2DPA or 4D2DPA which states: Maximum patient weight 326 Kilograms (720 lbs.).
-  Patient entry, egress and transfer should always be done with the brakes locked.
-  The brakes should always be on and patient side rails up when the patient is not in transport.
-  The patient pendant has a warning label on it stating: Clip Pendant to rail when not in use - Keep cord clear of moving parts.
-  It is important to remember that all electric stretchers are equipped with a built in battery back- up system but: it is recommended that the unit remain plugged in wall receptacle during normal use. The battery backup is recommended for transport and emergency only.
-  The Fowler backrest quick drop handle is intended to be used during emergency situations only.
-  Be sure rail is locked before leaving patient.
-  The lock out controls on the nurse control box controls both the pendant and the control panel.

WARNING–CAUTIONS AND PROPER OPERATION (Continued):

-  To turn electric controls on, plug into wall receptacle. To turn off, remove plug from wall receptacle. The electric powered stretcher do not have a separate on/off switch.
-  The stretcher has a warning label located on the control box cover stating: To reduce the risk of electrical shock do not remove the cover. Service by qualified personnel only.
-  Always disconnect the power source whenever servicing any electric powered stretcher.
-  Do not use a sharp instrument to remove fuse, as it may scratch the circuit board.
-  The batteries are wired in series, failure to install or rewire the same way may cause the batteries to explode.
-  Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual.
-  Portable and mobile RF communications equipment can affect Medical Electrical Equipment.
-  The use of accessories, transducers, and cables other than those specified by the manufacturer, may result in increased Emissions and decreased Immunity of the Hausted Equipment.
-  The Hausted Equipment should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the Hausted equipment should be observed to verify normal operation in the configuration in which it will be used.

-  Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2" (13 mm) across the span of the stretcher.
-  Do not modify this equipment without the authorization of the manufacturer.

WARNING - NOTICE FOR CALIFORNIA CUSTOMERS-

-  California Proposition 65 Warning: This product contains a chemical known to the State of California to cause cancer and reproductive or developmental harm.



IMPORTANT - REPORT ANY SHIPPING DAMAGE IMMEDIATELY:

Inform shipper of any damages - leave carton intact. Leave the equipment in the receiving area until inspection is complete.



CAUTION - POSSIBLE EQUIPMENT DAMAGE:

This crate contains fragile expensive medical equipment. Uncrate and handle carefully.

If after uncrating the equipment you find any damage (no matter how slight), show it to your supervisor.



WARNING - PERSONAL INJURY HAZARD:

When cutting bands, always use tool specifically designed for that purpose. This will help avoid personal injuries frequently incurred when bands are cut and tension is released.

IMPORTANT: Follow each step in the order shown in these instructions.

UNPACKING INSTRUCTIONS:

Your Hausted equipment has been carefully packed at our manufacturing plant to ensure safe shipment to your medical facility. There are several procedures you must follow to put your new equipment in service. These procedures only take a few minutes to complete and are required to ensure proper operation of the equipment.

1. Cut the two bands around the shipping carton.
2. Remove the top half of the carton and cut one side of the bottom half.
3. Remove the equipment from the carton.
4. Check to see if all features of the equipment work properly. If all the features work, advance to step 5. If any features of the equipment do not work properly, call GF Health Products, Inc. at 678.291.3165.
5. Clean the equipment using mild detergent to remove any dirt accumulated during shipment, and place the equipment into service.

ENVIRONMENTAL CONDITIONS:

Operating

Temperature -	5°C to +40°C
Relative Humidity -	20% to 90% @ 30°C
Atmospheric Pressure -	700 to 1060 hPa

Storage and Transport

Temperature -	-10°C to +50°C
Relative Humidity -	20% to 90% @ 30°C
Atmospheric Pressure -	700 to 1060 hPa

OPERATING INSTRUCTIONS

3

3.1 STRETCHER SPECIFICATIONS



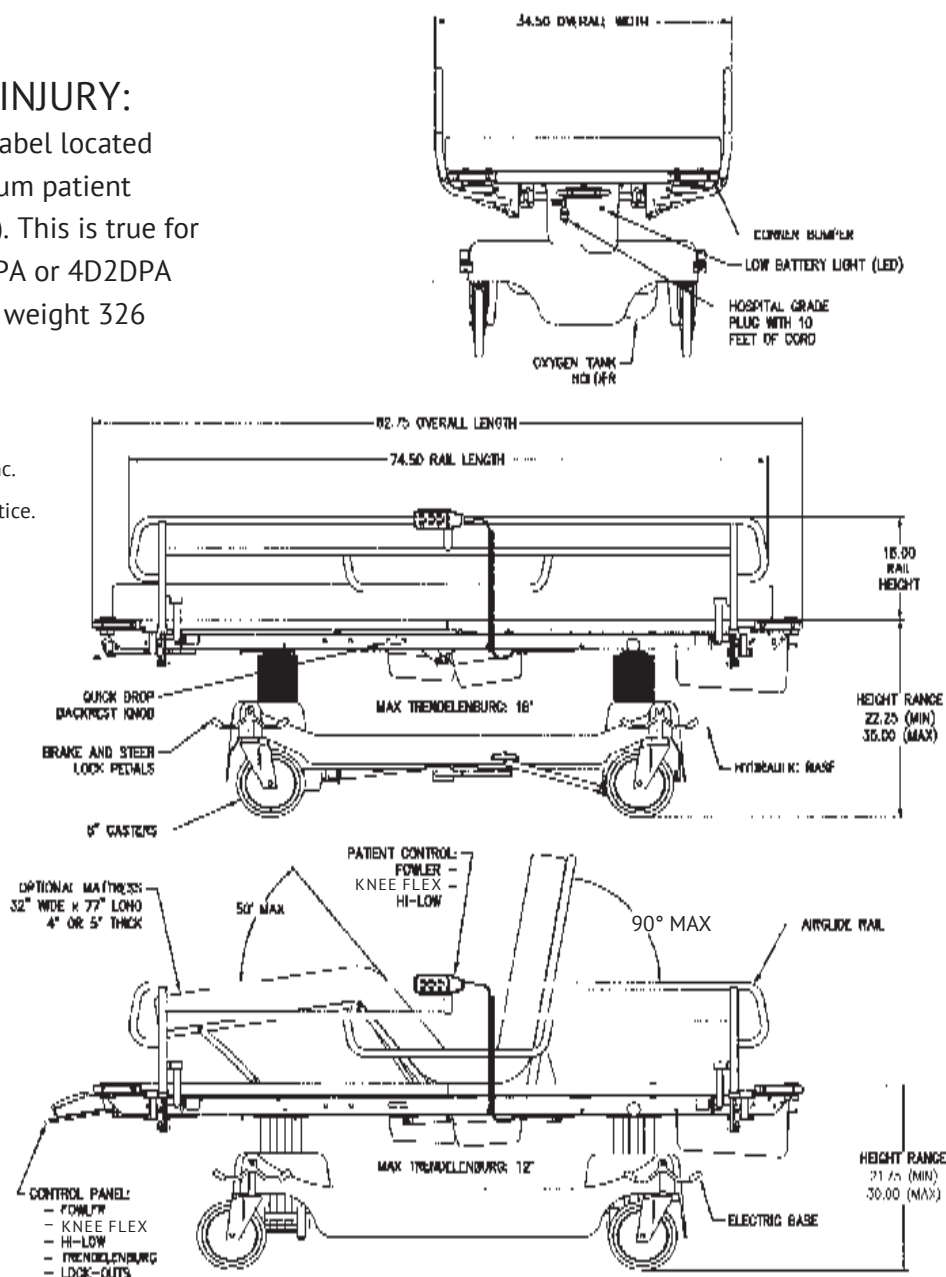
WARNING—PERSONAL INJURY:

The stretchers have a warning label located at the head end stating: maximum patient weight 226 Kilograms (500 lbs.). This is true for all models except for the 4E2DPA or 4D2DPA which states: Maximum patient weight 326 Kilograms (720 lbs.).

NOTE: All dimensions are specified in inches.

All dimension are $\pm .375$ inches. GF Health Products, Inc. reserves the right to change specifications without notice.

Stretcher weight: 315 lbs.



DPA Models Specifications Shown

Electrical Specifications (Applies only to 4E1 & 4E2 Models)

Product Classification: 1
Input Voltage: 120V ~, 60Hz
Amperage: Max. 4.0A
Duty cycle: 10% 2 min in 18 min
IP Rating: IPX 4
Grounding Protection: Type B

Electrical Specifications (Applies only to 4D2 Model)

Product Classification: 1
Input Voltage: 230V ~, 50Hz
Amperage: Max. 2.0A
Duty cycle: 10% 2 min in 18 min
IP Rating: IPX 4
Grounding Protection: Type B

OPERATING INSTRUCTIONS

3

3.1 STRETCHER SPECIFICATIONS



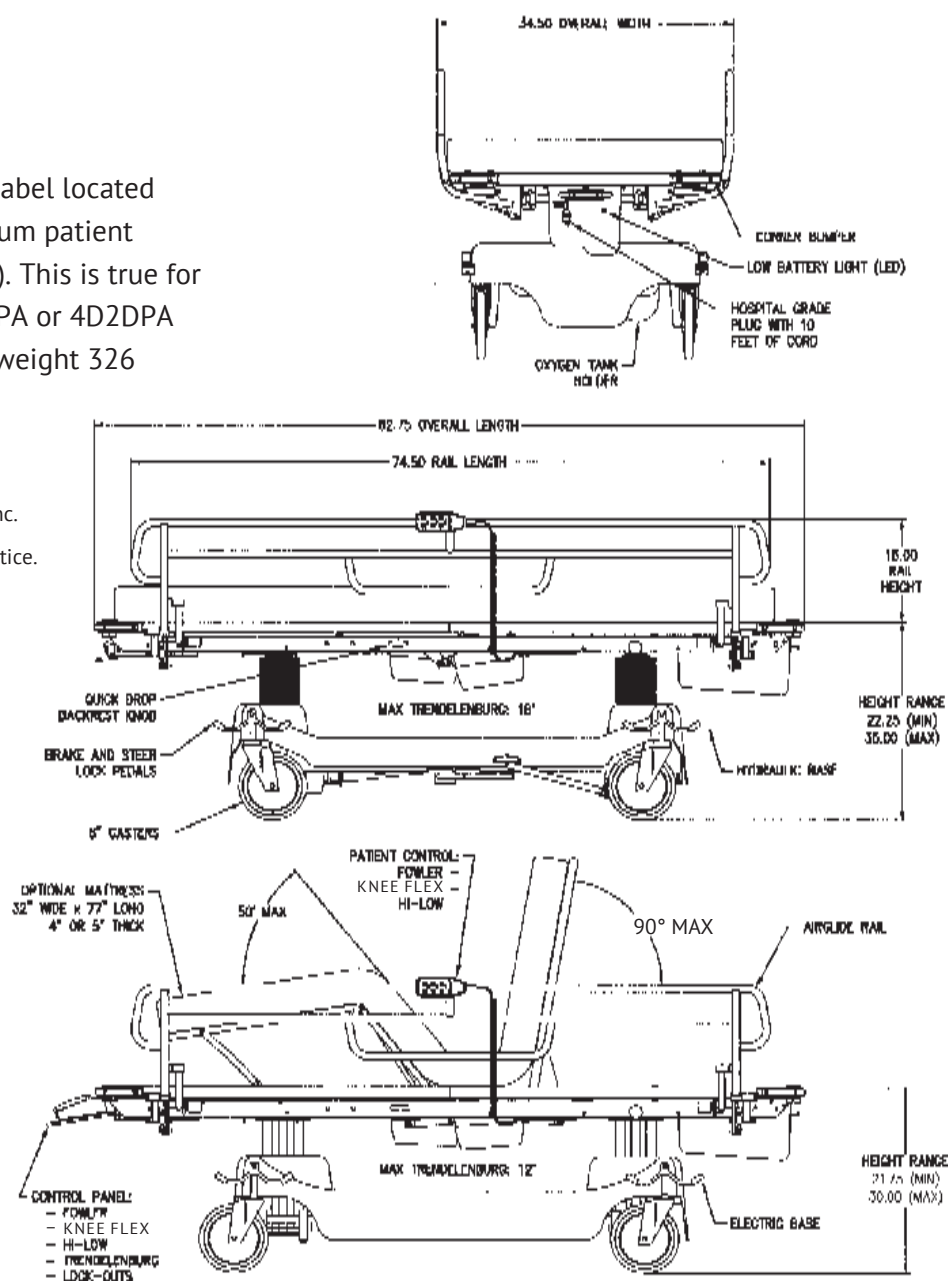
WARNING— PERSONAL INJURY:

The stretchers have a warning label located at the head end stating: maximum patient weight 226 Kilograms (500 lbs.). This is true for all models except for the 4E2DPA or 4D2DPA which state: Maximum patient weight 326 Kilograms (720 lbs.).

NOTE: All dimensions are specified in inches.

All dimension are ± 0.375 inches. GF Health Products, Inc. reserves the right to change specifications without notice.

Stretcher weight: 315 lbs.



HMC Models Specifications Shown

Electrical Specifications (Applies only to 4E1 & 4E2 Models)

Product Classification: 1

Input Voltage: 120V ~, 60Hz

Amperage: Max. 4.0A

Duty cycle: 10% 2 min in 18 min

IP Rating: IPX 4

Grounding Protection: Type B

Electrical Specifications (Applies only to 4D2 Model)

Product Classification: 1

Input Voltage: 230V ~, 50Hz

Amperage: Max. 2.0A

Duty cycle: 10% 2 min in 18 min

IP Rating: IPX 4

Grounding Protection: Type B

3.2 FEATURES, WARNINGS AND PROPER OPERATION



WARNINGS– CAUTIONS AND PROPER OPERATION:

- A. The stretchers have a warning label located at the head end stating: maximum patient weight 226 Kilograms (500 lbs.). This is true for all models except the 4E2DPA or 4D2DPA which states: Maximum patient weight 326 Kilograms (720 lbs.).
- B. Patient entry, egress and transfer should always be done with the brakes locked.
- C. The brakes should always be on and patient side rails up when the patient is not in transport or patient is unattended.
- D. The patient pendant has a warning label on it stating: Clip Pendant to rail when not in use – Keep cord clear of moving parts.
- E. It is important to remember that all electric stretchers are equipped with a built in battery backup system but: it is recommended that the unit remain plugged in wall receptacle during normal use. The battery backup is recommended for transport and emergency only.
- F. The Fowler backrest quick drop handle is intended to be used during emergency situations only.
- G. Be sure rail is locked before leaving patient.
- H. The lock out controls on the nurse control box controls both the pendant and the control panel.

- I. Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2" (13 mm) across the span of the stretcher.



WARNINGS– RELATED TO SERVICE AND REPAIR:

- J. To turn electric controls on, plug into wall receptacle, to turn off, remove plug from wall receptacle, the electric powered stretchers do not have a separate on/off switch.
- K. The stretcher has a warning label located on the control box cover stating: To reduce the risk of electrical shock do not remove the cover. Service by qualified personnel only.
- L. Always disconnect the power source whenever servicing any electric powered stretcher.
- M. The batteries are wired in series, failure to install or rewire the same way may cause the batteries to explode.

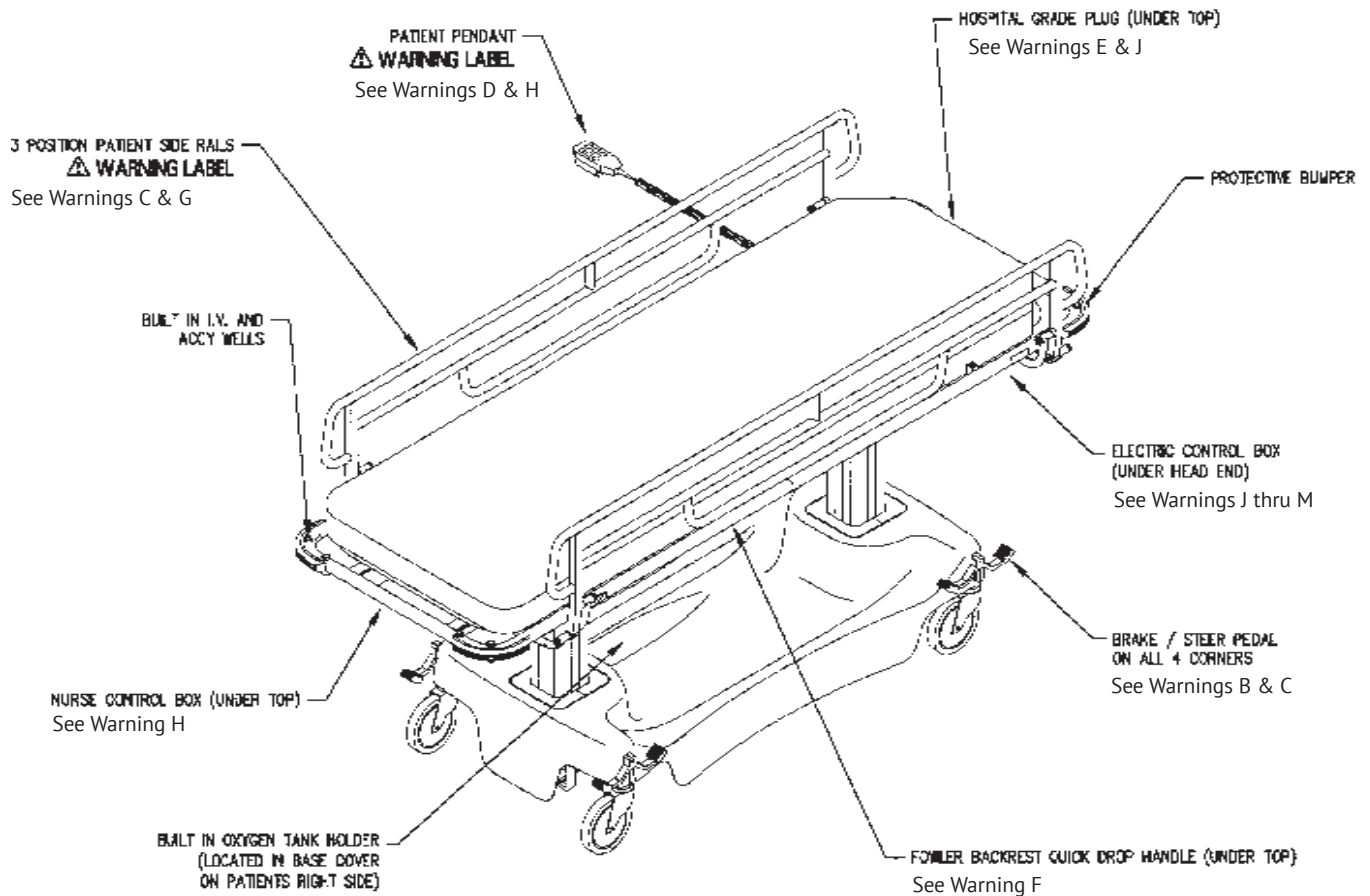
Important Note:

The picture shown is of the “DPA” models, all cautions and warnings also apply to the “HMC” models.

OPERATING INSTRUCTIONS

3

3.2 FEATURES, WARNINGS AND PROPER OPERATION



OPERATING INSTRUCTIONS

3.3 BRAKING AND STEERING OPERATION

3

3.3.1 Applying the Brakes

The four wheel central braking system is activated by depressing the red pedal at any of the four corners of the unit (Figure 3-1). To fully engage the brakes, the pedal should be pressed to approximately 45°. All four caster wheels should be locked from swiveling and rotating.



FIGURE 3-1

3.3.2 Releasing the Brakes

Depress the green pedal at any of the four corners of the unit, until the pedal is in a horizontal position (Figure 3-2). All four wheels should rotate and swivel freely.



FIGURE 3-2

NOTE: Brakes should always be activated when unit is not in transport.

3.3.3 Applying the Steering Lock/Fifth Wheel

From any corner of the stretcher, depress the green pedal downward into locked position (Figure 3-3). Push the stretcher forward. Either one caster at the foot end will lock into a non-swivel mode, or the optional fifth wheel will lower and apply pressure to the floor. This allows straight steering by the attendant.



FIGURE 3-3



WARNING - PROPER OPERATION

Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2" (13 mm) across the span of the stretcher.

3.3.4 Releasing the Steering Lock/Fifth Wheel

Depress the red pedal at any of the four corners of the unit, until the pedal is in a horizontal position (Figure 3-2). All four wheels should rotate and swivel freely, and/or the optional fifth wheel will retract.

3.4 LITTER TOP HEIGHT ADJUSTMENT (4D1/4E1 MODELS ONLY)

3.4.1 Height Adjustment

Press the pump pedal to the floor (Figure 3-4), then release. Repeat this process until desired height is obtained. Use smooth strokes on the pedal to ensure patient comfort.



FIGURE 3-4

3.4.2 Lowering Litter Top

Press down on the two release pedals at the same time (Figure 3-5) until desired height is obtained.

NOTE: Do not stand on release pedals.



FIGURE 3-5

3.4.3 Trendelenburg Adjustment

Place the unit at maximum height, see Height Adjustment. Press down on the release pedal nearest the head end (Figure 3-6) until desired position is obtained. Then remove pressure.



FIGURE 3-6

3.4.4 Reverse Trendelenburg Adjustment

Place the unit at maximum height, see Height Adjustment. Press down on the release pedal nearest the foot end (Figure 3-7) until desired position is obtained. Then remove pressure.



FIGURE 3-7

OPERATING INSTRUCTIONS

3.5 ELECTRIC CONTROL LOCATIONS

3.5.1 Nurses Control Panel

To access the nurses control panel, pull out on the handle located at the foot end of the unit, under the top (Figure 3-8A & 3-8B).



FIGURE 3-8A

3.5.2 Patient Pendant

The patient Pendant has an adjustable location and may be located on either side of the rail (Figure 3-9).



FIGURE 3-8B

CAUTION



Clip pendant to rail when not in use. Keep cord clear of moving parts.

3.5.3 Plug Locations

The hospital grade plug is located under the head end of top section (Figure 3-10). Unwrap cord from bracket and plug into the nearest wall receptacle.



FIGURE 3-9

Important: It is recommended that unit remain plugged in wall receptacle during normal use. Battery back-up is recommended for transport and emergency only.



FIGURE 3-10

3.5 ELECTRIC CONTROL LOCATIONS

3.5.4 Emergency Electric Backrest Override

The unit is equipped with a Fowler backrest quick drop handle located under the litter top at stretcher mid section. (See the stretcher specification page). This option is only to be used in an emergency situation. The label states: Emergency Drop Backrest Pull Handle to Activate.

3.5.5 Low Battery Light (L.E.D.)

The stretchers are equipped with a low battery indicator light, located on the controller cover under the head end of the stretcher (Figure 3-11). When a button on the pendant is pressed, and the L.E.D. light comes on, it indicates that the backup batteries require charging. Plug the unit into a wall receptacle.



FIGURE 3-11

3.5.6 Charge Indicator Light (Models after 1/1/2014)

The charge indicator light is positioned in the left bottom corner of the nurse control panel (row 3, column 1), and will illuminate whenever the unit is plugged in to the wall.

OPERATING INSTRUCTIONS

3.6 LITTER TOP ADJUSTMENT

3

⚠ Caution:

The lockout deactivates pendant and control panel.

3.6.1 Hand Pendant Functions

Foot Section Adjustment:

Raising - Press the first button on the second row of buttons on the pendant (Figure 3.12). Hold until the desired angle is achieved.

Lowering - Press the second button on the second row of buttons on the pendant.

Hold until the desired angle is achieved.

Back Section Adjustment

Raising - Press the first button on the first row of buttons on the pendant (Figure 3.13). Hold until the desired incline is achieved.

Lowering - Press the second button on the first row of buttons on the pendant. Hold until the desired recline is achieved.

Hold until the desired recline is achieved.

Simultaneous Back & Foot Section Adjustment:

Raising - Press the first button on the third row of buttons on the pendant. Hold until the desired angle is achieved. Lowering - Press the second button on the third row of buttons on the pendant (Figure 3.14). Hold until the desired angle is achieved.

Height Adjustment:

Raising - Press the first button on the fourth row of buttons on the pendant. Hold until the desired angle is achieved. Lowering - Press the second button on the fourth row of buttons on the pendant (Figure 3-15). Hold until the desired angle is achieved.



FIGURE 3.12



FIGURE 3.13



FIGURE 3.14



FIGURE 3.15

OPERATING INSTRUCTIONS

3.6 LITTER TOP ADJUSTMENT

3.6.1 Hand Pendant Functions Cont.

Trendelenburg Adjustment

Lockout: See “Lockout” in the Section 3.6.3 Height Adjustment Instructions.

Nurse: Trendelenburg: Press the second button on the bottom row of buttons (Figure 3.16). Hold in the button until desired angle is achieved.

Rev-Trendelenburg: Press the first button on the bottom row of buttons (Figure 3.17). Hold in the button until desired angle.



FIGURE 3-16



FIGURE 3-17

3.6.2 Nurse Control Functions

Back Section Adjustment

Press and hold down the first button on the top row (top left). At the same time, press and hold down the UP or DOWN arrow button which corresponds to the desired direction of travel (Figure 3.18). Hold until the preferred angle is achieved.



FIGURE 3-18

Foot Section Adjustment

Press and hold down the second button on the top row. At the same time, press and hold down the UP or DOWN arrow button which corresponds to the desired direction of travel (Figure 3.19). Hold until the preferred angle is achieved.



FIGURE 3-19

Height Adjustment

Press and hold down the third button on the top row. At the same time, press and hold down the UP or DOWN arrow button which corresponds to the desired direction of travel (Figure 3.20). Hold until the preferred height is achieved.



FIGURE 3-20

OPERATING INSTRUCTIONS

3.6 LITTER TOP ADJUSTMENT

3.6.2 Nurse Control Functions Cont.

Trendelenburg Adjustment

Press and hold down the last button on the top row (top right). At the same time, press and hold down the UP or DOWN arrow button which corresponds to the desired direction of travel

(Figure 3.21). Hold until the preferred Trendelenburg angle is achieved.



FIGURE 3-21

Simultaneous Back & Foot Section Adjustment

Press and hold down the third button from the right on the second row (row 2, column 3). At the same time, press and hold down the UP or DOWN arrow button which corresponds to the desired direction of travel (Figure 3.22). Hold both buttons until the desired angle is achieved.



FIGURE 3-22

Neutral Return

The neutral return button is a function that allows the unit to return to its naturally retracted position where the patient surface will completely flatten, and the top surface will travel vertically to its maximum or minimum height, depending on the direction of travel specified. To initiate neutral return, press and hold down the second button from the right on the second row (row 2, column 2). At the same time, press and hold down the UP or DOWN arrow button which corresponds to the desired direction of travel (Figure 3.23).



FIGURE 3-23

OPERATING INSTRUCTIONS

3.6 LITTER TOP ADJUSTMENT

3.6.3 Lockout

When a function of the stretcher is Locked Out, a lock out indicator light located above that function will become illuminated (Figure 3.24). In order to initiate the Lock Out of a function, press and hold down the Lock button (row 2, column 1). At the same time, press the button corresponding to the function that needs to be locked out. In order to unlock a function, repeat until the lock out indicator light located above that function is no longer illuminated. No light above a function means that that function is Unlocked and ready to use.

Back Section Lockout

Press the Lock Out Button in conjunction with the first button on the top row (Figure 3.25) of the control panel.

Foot Section Lockout

Press the Lock Out Button in conjunction with the second button on the top row (Figure 3.26) of the control panel.

Height Lockout

Press the Lock Out Button in conjunction with the third button on the top row (Figure 3.27) of the control panel.

Trendelenburg Lockout

Press the Lock Out Button in conjunction with the fourth button on the top row (Figure 3.28) of the control panel.



FIGURE 3-24



FIGURE 3-25



FIGURE 3-26



FIGURE 3-27



FIGURE 3-28

3.7 AIRGLIDE RAIL OPERATION



WARNING - PERSONAL INJURY

HAZARD: Be sure rail is locked before leaving patient.

3.7.1 Raising the Rail

Grasp rail top tube from under litter top firmly, then pull up (Figure 3-29) until rail locks into full up position.



Figure 3-29

3.7.2 Lowering the Rail

Firmly grasp top of rail, pull out on red tab, located under litter top at the foot or head end (Figure 3-30). lower side rail completely under litter top.



Figure 3-30

3.8 RETRACTO RAIL OPERATION



WARNING - PERSONAL INJURY HAZARD:

Be sure rail is locked before leaving patient.

3.8.1 Raising the Rail

Grasp the rail top cap in the middle of the rail (Figure 3-31) and lift.

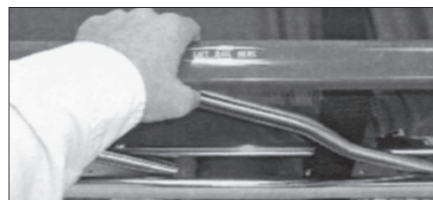


FIGURE 3-31

3.8.2 Half Height

Grasp the rail, lift up on the red trigger under the litter top (Figure 3-32) while lowering the rail. When rail starts to move down release trigger. Lower rail until it locks into half height position.

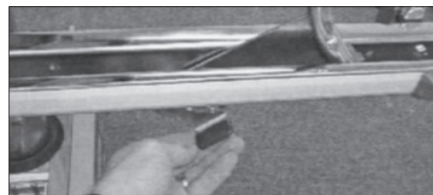


FIGURE 3-32

3.8.3 Lowering the Rail

Grasp the rail, lift up on the red trigger under the top (Figure 3-32). While lowering the rail, hold up on the trigger until the rail is all the way down.

OPERATING INSTRUCTIONS

3

3.9 PUSH HANDLE OPERATION (OPTIONAL ACCESSORY)

3.9.1 Raising the Push Handles

Hinge the push handle up (Figure 3-34) until it stops. Slide the push handle down into the socket until it stops. Repeat process for handle on the other side. (Figure 3-35).



FIGURE 3-33

3.9.2 Lowering the Push Handles

Lift up on push handle and rotate (Figure 3-34) until it is in the down position (Figure 3-33). Repeat process for the other side.



FIGURE 3-34

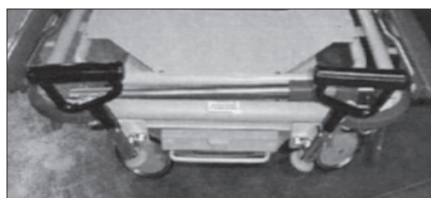


FIGURE 3-35

3.10 PERMANENTLY MOUNTED IV ROD OPERATION



WARNING - PERSONAL INJURY HAZARD:

Be sure rail is locked before leaving patient.

3.10.1 Putting I.V. Rod in Up Position

Grasp I.V. rod and hinge upward until it stops (Figure 3-36). Push down on I.V. rod until it slides firmly into the socket.



FIGURE 3-36

3.10.2 Extending I.V. Rod

Lift up on top of I.V. rod (Figure 3-37) until desired length is achieved.



FIGURE 3-37

3.10.3 Retracting I.V. Rod

Press button located in the gray housing (Figure 3-38) and lower I.V. Rod until desired height is achieved. Repeat process with second housing as required.



FIGURE 3-38

4.1 ELECTRIC POWERED STRETCHERS



WARNING:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel (minimum 1 year medical equipment service and repair experience) only.




Always disconnect the power source whenever troubleshooting or servicing any electric stretcher.

If	Then
One motor or one column does not move but all others are operating correctly.	<p>Step 1: Check all motor and column plug connections at the controller box.</p> <p>Step 2: If a column does not move: Check the connection at the column.</p> <p>Step 3: Plug a connector from the faulty component into a different socket:</p> <p>If the component does not run: Replace that component.</p> <p>If the component does run: Test pendant by plugging a functioning component into the non-functioning socket on the controller. If this component does not run, replace the pendant. If replacing the pendant does not fix the problem, then the controller must be replaced.</p>
Nothing moves	<p>Step 1: Plug unit into a mains supply wall receptacle, observe the pilot light on the controller:</p> <p>If the pilot light is off: Replace the controller</p> <p>If the pilot light is on:</p> <ol style="list-style-type: none"> 1. Check the nurse control plug connection at the controller. 2. Check the pendant control plug connection at the controller.
The unit runs when plugged into wall receptacle, but does not run on the battery backup.	<p>Step 1: Plug unit into a wall receptacle overnight. If the batteries do not hold a charge, replace the batteries.</p>

Illustrated Part(s) breakdown is provided in Section 7 of this manual. GF Health Products, Inc. may be contacted at 678.291.3165 for additional information required to service or repair the equipment.

 **WARNING - SHOCK HAZARD:**
To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

 Always disconnect the power source whenever troubleshooting or servicing any electric powered chair.

 **WARNING - PERSONAL INJURY HAZARD:**
The batteries are wired in series, failure to connect the same way can cause the batteries to explode.

The batteries are the only field serviceable components - do not attempt to repair the circuit boards.	
Battery replacement	<div>Step 1: Remove the controller.</div> <div>Step 2: Remove the 4 screws from the right half, located on top of the controller.</div> <div>Step 3: Replace (both) batteries with 'YUSHA' #NP 1.2-12, 12 volt, 1.2 Ah batteries. (Hausted P/N 075759 – 2 required).</div> <div>Step 4: Be sure battery connector in place on left side of batteries.</div> <div>Step 5: Replace cover.</div>

PREVENTIVE MAINTENANCE FOR THE USER

5

Component	Cleaning Procedure	Schedule	Cleaning Agent *	Special Notes
Pads/Mattresses	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Use only medium strength cleaners Do not steam clean or pressure wash
Stretcher	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Lubricate pivot points after cleaning
Electrical components	Wipe external surfaces ONLY with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Use only medium strength cleaners
Mechanical stretcher components	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Lubricate pivot points after cleaning
Mechanical accessories	Wipe with damp cloth to remove any foreign material	After each use	Routine hospital grade disinfectants, soap and water	Lubricate pivot points after cleaning
Procedure		Schedule	Material	
Lubricate all moving and sliding parts and hinge points		Every 3 months	Lubricating oil, light-duty grease, wax stick lubricant or Never-Seez lubricant	
⚠ NEVER LUBRICATE GAS SPRING, MOTOR OR MECH-LOCK SHAFTS ⚠				
Inspect all fasteners to ensure proper fit, position and tightness (including nuts, bolts, etc.)		Every 3 months	Proper size wrench and screwdriver	
Inspect all surfaces and remove any sharp or burred areas; apply touch-up paint where required		Every 3 months	Metal file, proper color paint (specify color when ordering)	

- * **Disinfectants, vinyl products:** Phenolic disinfectants are the best choice for vinyl products; properly diluted quaternaries are also acceptable. Quaternary/Isopropyl disinfectants are not recommended for vinyl.
- Disinfectants, urethane products:** Quaternary disinfectants are recommended for urethane products. Quaternary/Isopropyl disinfectants are recommended for urethane. Phenolics should be avoided on urethane.
- Disinfectants, all products:** All fabrics may be cleaned with a 1:10 dilution of household bleaches containing 5.25% sodium hypochlorite as recommended by the Centers for Disease Control in Atlanta, Georgia. There is no harmful effect on the fabric. Disinfectants applied at full concentration or in highly concentrated solutions will decrease the useful life of fabric. Iodophor type disinfectants used on fabrics may result in staining.
- Soils or Stains:** Use neutral soap suds and lukewarm water. Do not use harsh cleansers, solvents or detergents.
- Hard-To -Clean Spots:** Use standard household/vinyl cleansers and a soft bristle brush on troublesome spots or stains. Pre-soak heavy, dried-on soil.
- Laundering Vinyl-laminated or Rubber-coated fabric is not recommended.** Laundering may substantially decrease the useful life of the fabric.
- Laundering Polyurethane-coated fabric:** Machine wash with detergent up to 120°F. Some surface wrinkling may occur; this wrinkling has no adverse effect on the fabric properties. Hang or tumble dry thoroughly at 140° F before storage.


⚠ CAUTION - POSSIBLE EQUIPMENT DAMAGE HAZARD: Steam cleaning and pressure washing of stretcher is not recommended and can void warranty.

NOTE: For more detailed information, please contact GF Health Products, Inc. at 678.291.3165.

NOTE: In addition to the User Preventive Maintenance, a more detailed Preventive Maintenance Program is also required to keep the equipment in good working order. This Preventive Maintenance Program is found on our website, at www.Hausted.com.

I.V. Poles	
Universal	
000E17-00	Stainless steel 42" long fixed height I.V. rod - removable
000018-00	Stainless steel 27" to 54" long telescoping I. V. rod
128770-00	000018 - telescoping I.V. rod with cable attachment
126740-00	Infusion pump I.V. rod 1 1/8" dia - 42" long - removable
IVSTOW-00	Mobile I.V. stand attachment
Airglide Rail (D) Style Tops	
066AGR-00	Mounted stainless telescoping I.V. rod - patient right
IVSTOW-00	Mobile I.V. stand attachment
Retracto Rail (H) Style Tops	
066RR0-00	Mounted stainless telescoping I.V. rod - head end
065897-00	Mobile I.V. stand attachment
Pads and Mattresses	
Airglide Rail (D) Style Tops	
068965-60	Pressurecare - 4" x 32" x 77" conductive foam
069383-60	Enhanced pressurecare - 5" x 32" x 77" conductive foam
069230-00	Slick patient transfer mattress system
Retracto Rail (H) Style Tops	
031661-60	3" x 29 1/2 " x 76" conductive foam
061894-60	Pressurecare - 4" x 29 1/2" x 76" cond. foam - E & G tops
068922-60	Enhanced pressurecare - 5" x 29 1/2" x 76" -E & G tops
069206-00	Slick patient transfer mattress system
Head and Foot Boards	
Airglide Rail (D) Style Tops	
000W6B-00	Head and foot board - stationary
0CRW6B-00	Head and foot board - stationary with chart rack
000W7B-00	Extension head and foot board
0CRW7B-00	Extension head and foot board - with chart rack
X-ray Accessories	
Retracto Rail (H) Style Tops	
Monitor Shelves	
Airglide Rail (D) Style Tops	
069299-00	Extension footboard/monitor shelf w/chart rack
Retracto Rail (H) Style tops	
00WN45-00	Monitor shelf - removable - folding
068846-00	Extension footboard/monitor shelf w/chart rack

Miscellaneous	
Universal	
000012-00	Restraint straps with buckle
000014-00	Restraint straps with velcro
128450-00	Vertical oxygen tank holder
065366-00	Universal patient tray
069257-00	Paper roll holder
Airglide Rail (D) Style Tops	
075665-00	Self storing push handles
065180-00	Armboard - height adjustable - 1" pad included
00C16H-00	Heel stirrups
00C16L-00	Knee crutch stirrups
00L16M-00	Mounting adaptor clamps for heel stirrups/leg holders
067741-00	Side rail pads
Retracto Rail (H) Style Tops	
075656-00	Self storing push handles
133171-00	Under fowler utility tray
076334-00	Surgical armboard – pad & adapter included
00N16A-00	Heel stirrups
00N16C-00	Knee crutch stirrups
00N16E-00	Heel stirrups and leg holders with mounting adapter clamps
075626-00	Side rail pads
128840-00	Drainage bag hooks
131934-00	Burgundy bumpers and pin striping for department identification
131935-00	Teal bumpers and pin striping for department identification
131936-00	Plum bumper and pin striping for department identification
Fifth Wheels	
4D2/4E2 Base (Electric)	
075798-00	Fifth wheel, electric horizon auto track
4D1/4E1 (Hydraulic)	
075797-00	Fifth wheel, horizon auto track

 It is recommended that only accessories approved by GF Health Products, Inc. be used with this device. The use of accessories, transducers, and cables other than those specified by the manufacturer, may result in increased emissions or decreased immunity of the Hausted equipment.

To order accessories, or for more detailed information on accessories, please contact GF Health Products, Inc. at 678.291.3207.

Significant assemblies and components of the Hausted® Surgi-Stretchers are illustrated and identified in this section. The part number, the description and the quantity required for each usage are given. Each indentation in the description represents the assembly level. The UNITS PER ASSEMBLY column is specific for the given assembly or subassembly level.

7.1 HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

1. Determine the function and application of the part required. Select the most appropriate title from the List of Illustrations in the Table of Contents. Note the illustration page number.
2. Turn to the page indicated and locate the desired part on the illustration.
3. From the illustration, obtain the item number assigned to the desired part. Refer to the accompanying tabular list (usually on the facing page) for the part number and description of the part.

NO INDENTATION –PART OF TOP ASSEMBLY

ONE INDENTATION – FIRST SUBASSEMBLY, PART OF ASSEMBLY UNDER WHICH IT IS INDENTED

Item No.	Part No.			S V C	Description
	P	146655	023		Arm and Lighthouse Assembly
1	P	136807	181		CAP
2	P	136807	981		Funnel Cone Assembly
	P	136807	979		• CAP, Shield
	P	129362	378		• CLIP, Locking
	P	93911	304		• CONE, Cap
	P	136807	980		• FUNNEL, Cap
3	P	83628	001		SCREW, Button Head, #6-32 x 3/8 l
4	P	19684	061		LOCKWASHER, Helical, #6
5	P	90713	061		LOCKWASHER, Helical, #4
6	P	47760	091		SCREW, Button Head, #4-40 x

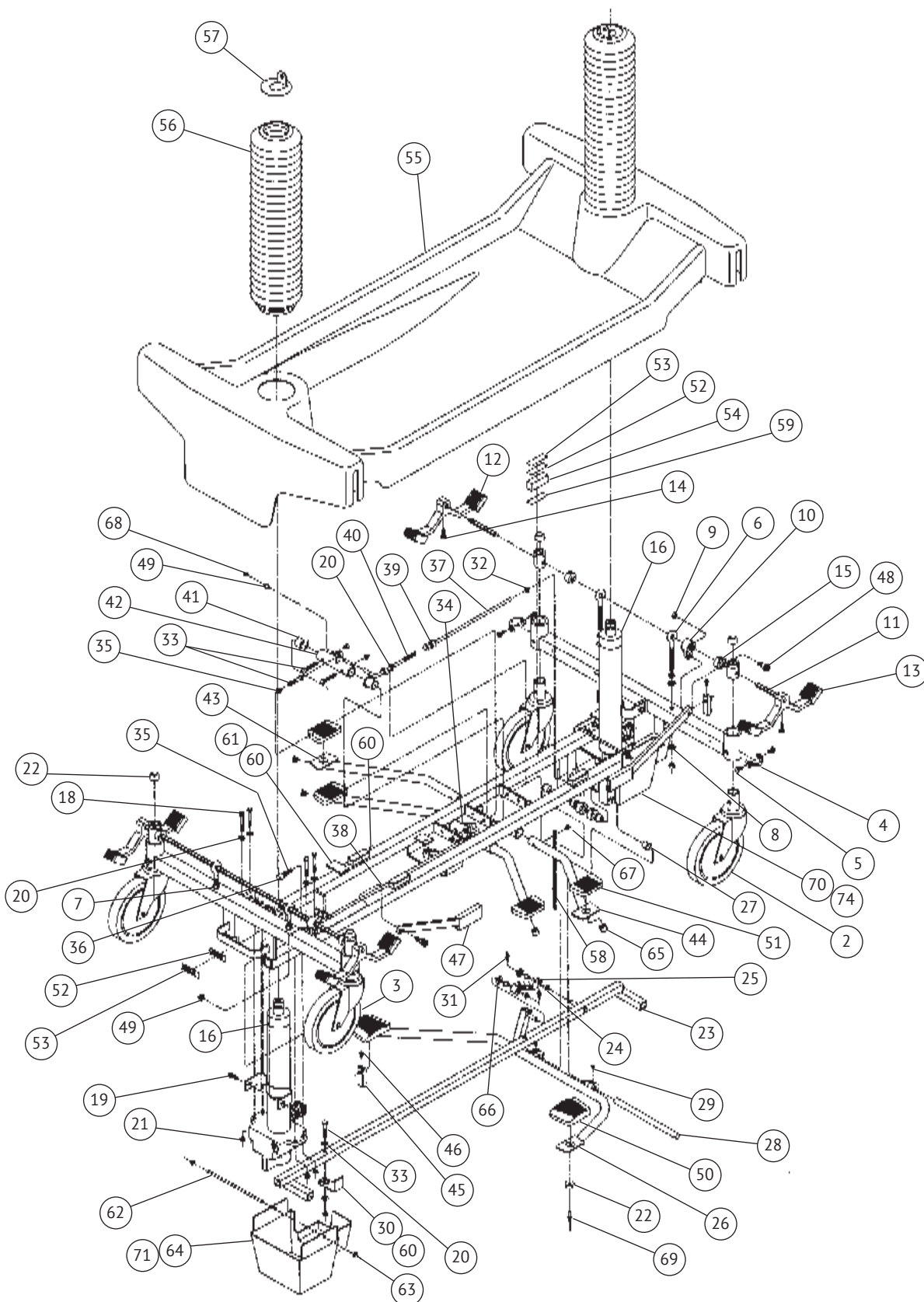


Figure 7-1. 4E1 Hydraulic Base Assembly

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-1. 4E1 HYDRAULIC BASE ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	068331		ASSEMBLY, Base Frame	1					
2	062672		CASTER, Tente, Brake	3					
3	062671		CASTER, Tente, Swivel Lock	1					
4	062659		PLATE, Caster Bolt Lock	4					
5	062685		SCREW, Hex Head Cap, M8 x 1.25 x 12.00" Long	8					
6	065041		BOLT, Eye, 5/16-18	4					
7	031058		NUT, Free Thread, 5/16"	4					
8	031080		WASHER, Flat, 5/16"	8					
9	031057		NUT, Lock, 5/16-18	6					
10	062684		LEVER, Cam	2					
11	068551		ROD, Horizon Hex Brake	2					
12	066507		ASSEMBLY, Left Brake Pedal	2					
13	066508		ASSEMBLY, Right Brake Pedal	2					
14	031101		SCREW, Hex Cap w/Nylon, 1/4-20 x 3/4" Long	4					
15	011422		COLLAR, Worm	6					
16	068207		JACK, Hydraulic, Foot End	1					
17	068209		JACK, Hydraulic, Head End	1					
18	031412		SCREW, Hex Head Cap, 1/4-20 x 1-3/4" Long	8					
19	031137		SCREW, Hex Head Cap, 1/4-20 x 3/4" Long	4					
20	031076		WASHER, Flat, USS, 1/4"	18					
21	031055		NUT, Lock, 1/4-20	17					
22	031156		BUMPER	6					
23	068368		ASSEMBLY, Jack Link	1					
24	068455		NYLINER, 5/16"	4					
25	068371		CONNECTOR, Pedal to Link	1					
26	068345		ASSEMBLY, Pump Pedal	1					
27	068126		NYLINER, 1/2"	4					
28	068379		BAR, Pump Pedal Hinge	1					
29	031102		SCREW, Knurled Point Set, 1/4-20 x 1/4" Long	2					
30	068355		GUIDE, Jack Link Vertical	1					
31	068417		CUP, Rue, 5/16"	2					
32	068418		NYLINER, Type 7, 1/4"	2					
33	031006		SCREW, Hex Head Cap, 1/4-20 x 1-1/2" Long	6					
34	031321		SCREW, Hex Head Cap, 1/4-20 x 2" Long	1					
35	031054		NUT, Free Thread, 1/4-20	3					
36	066705		BUMPER, Stop	1					
37	068374		LINK, Head End Release	1					
38	068375		LINK, Foot End Release	1					
39	068378		COLLAR, Stop	4					
40	068128		SPRING, Long, 1-17/32"	2					

RECOMMENDED REPLACEMENT PARTS

7

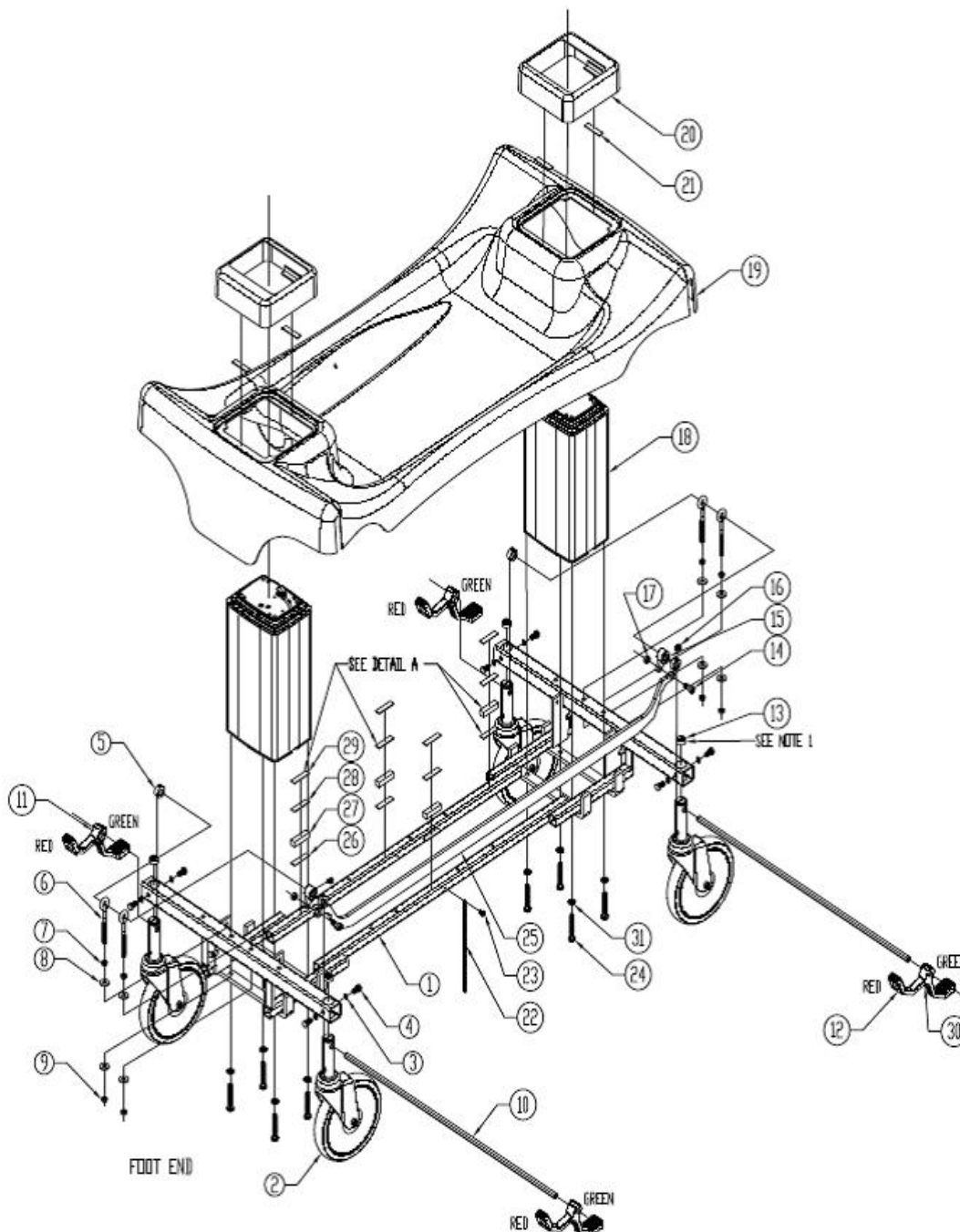
FIGURE 7-1. 4E1 HYDRAULIC BASE ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
41	051308		NYLINER, 3/4"	4					
42	068353		CONNECTOR, Release Pedal	2					
43	068350		ASSEMBLY, Release Pedal, Left	2					
44	068351		ASSEMBLY, Release Pedal, Right	2					
45	068377		PLATE, Push	2					
46	068890		SCREW, Hex Head Cap, #10-32 x 1/2" Long	2					
47	068329		LINK, Brake Rod	1					
48	065807		BOLT, Shoulder, 3/8" x 3/8"	2					
49	068530		WASHER, Nylon Shoulder	2					
50	068343		PAD, Pump Pedal	2					
51	061164		PAD, Release Pedal	4					
52	068513		HOOK, Velcro, 2.0" x 5/8"	6					
53	068512		PILE, Velcro, 2.0" x 5/8"	6					
54	068376		SPACER, Cover	4					
55	068208		BASE, Top Cover-Horizon	1					
56	068550		BELLOWS, Gray, Round	2					
57	066583		PLATE, Bellows Attachment	2					
58	062378		CHAIN, Anti-Static	1					
59	068475		TAPE, Double Sided, 2.0" x 1/2"	4					
60	068380		TAPE, Polyethylene, 3/4" x 1 1/2"	4					
61	068381		TAPE, Polyethylene, 1/2" x 3/4"	3					
62	069282		ROD, Bottom Cover	2					
63	065611		NUT, Push, 3/16"	4					
64	065114		FOAM, Bottom Cover	2					
65	055620		PLUG, Hole	4					
66	035115		WASHER, Nylon, 5/16"	2					
67	031416		SCREW, Self Tapping, #10-24 x 1/2" Long	1					
68	031371		GRIPRING, 1/4"	2					
69	000794		RIVET, Pop	2					
70	069281		COVER, Horizon Bottom, Head End	1					
71	069280		COVER, Horizon Bottom, Foot End	1					

ILLUSTRATED PARTS BREAKDOWN

7

FIGURE 7-2. 4E2/4D2 ELECTRIC BASE ASSEMBLY (After Jan. 1, 2014)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover.

Unit is to be serviced by qualified personnel only.

For detailed plug locations, see figure 7-13.

For detailed label locations, see figures 7-16.

FIGURE 7-2. 4E2/4D2 ELECTRIC BASE ASSEMBLY AFTER 1/1/14

ILLUSTRATED PARTS BREAKDOWN

FIGURE 7-2. 4E2/4D2 ELECTRIC BASE ASSEMBLY

(After January 1, 2014)

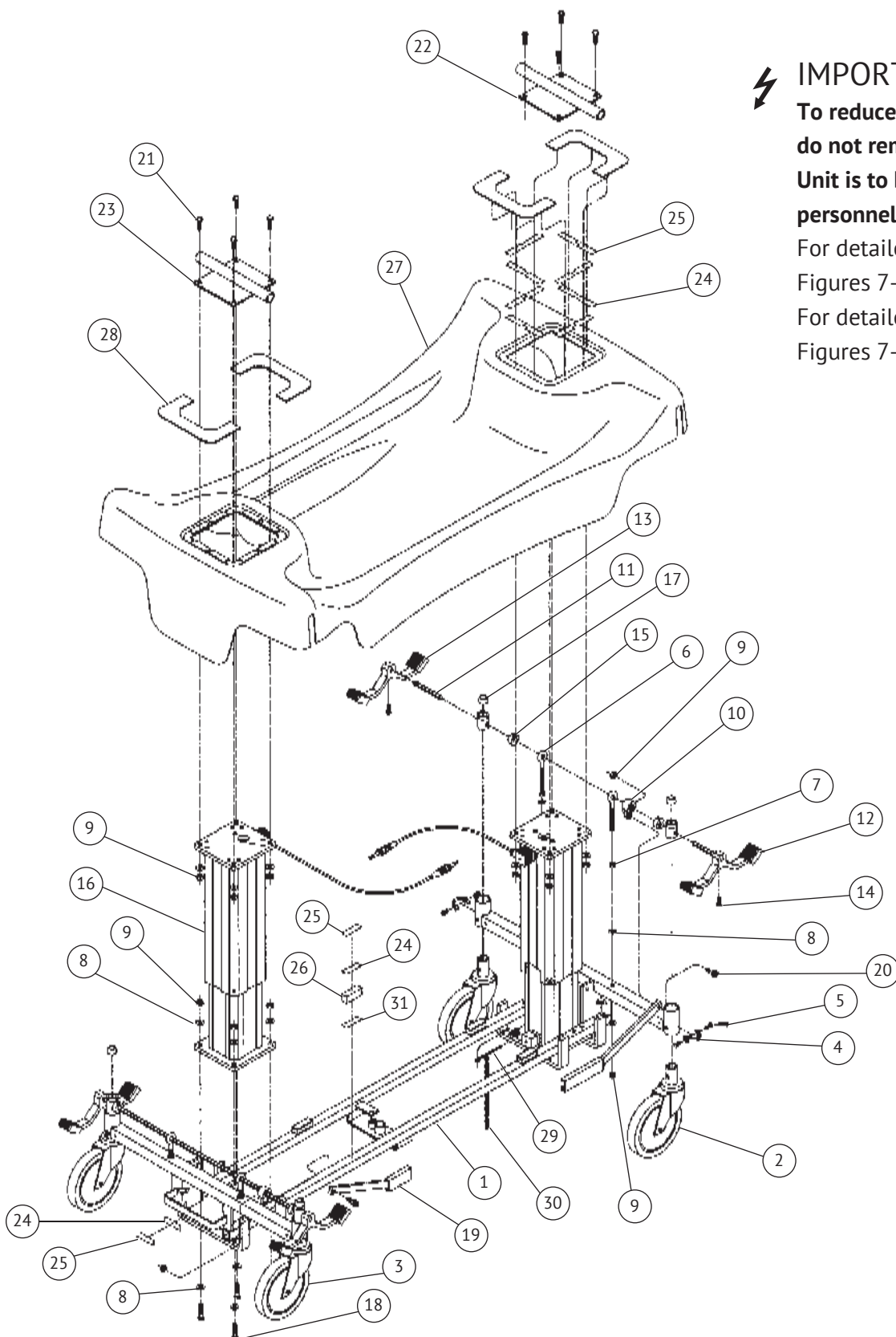
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Item No.	Part No.	SVC	Description	Units Per Ass'y		
1	080435		Base Frame Assembly Weldment	1		
2	056397897		Tente Caster - Brake	4		
3	081682008		5/16 Lock Washer	8		
4	150830554		M8 X 1.25 X 16mm LG. Hex HD Cap Screw	8		
5	068338		Worm Collar	4		
6	065041		5/16 - 18 Eye Bolt	4		
7	031058		5/16 Free Thread Nut	4		
8	031080		5/16 Flat Washer	8		
9	031057		5/16 - 18 Lock Nut	4		
10	068551		Hex Brake Rod	2		
11	066507		Left Brake Pedal Assembly	2		
12	066508		Right Brake Pedal Assembly	2		
13	031156		Grommet	4		
14	065807		3/8 x 3/8 Shoulder Bolt	2		
15	062684		Cam Lever	2		
16	080086		M6 - 1 X 10 Hex Cap Screw GR 8.8 Zinc	2		
17	150830756		5/6 - 18 Lock Nut	2		
18	080452		Electric Stretcher Column BL1	2		
19	080445		Base Cover, Shroud	1		
20	080542		Column Trim, Sub-Assembly	1		
21	068512		Velcro Loop 2" X 1/2" Black	4		
22	062378		Anti-Static Chain	1		
23	048064045		#10 - 16 X .375 Type "B" Self-Tapping Screw	1		
24	080469		BL1 Stretcher Column Mounting Screw	8		
25	056397930		Brake Rod	1		
26	068475		1/2 X 2.0 Double Sided Tape	4		
27	068376		Cover Spacer	4		
28	068513		Velcro Hook 2" X 1/2" Black	4		
29	068512		Velcro Loop 2" X 1/2" Black	4		
30	031101		1/4 - 20 X 3/4 LG HHCS	REF.		
31	030923		Lock Washer 3/8" I.D	8		

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-3. 4E2/4D2 – ELECTRIC BASE ASSEMBLY (BEFORE 1/1/14)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover.

Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-14, 7-15, 7-23 & 7-24.

For detailed label locations, see Figures 7-16 & 7-25.

Figure 7-3. 4E2/4D2 Electric Base Assembly Before 1/1/14

RECOMMENDED REPLACEMENT PARTS

7

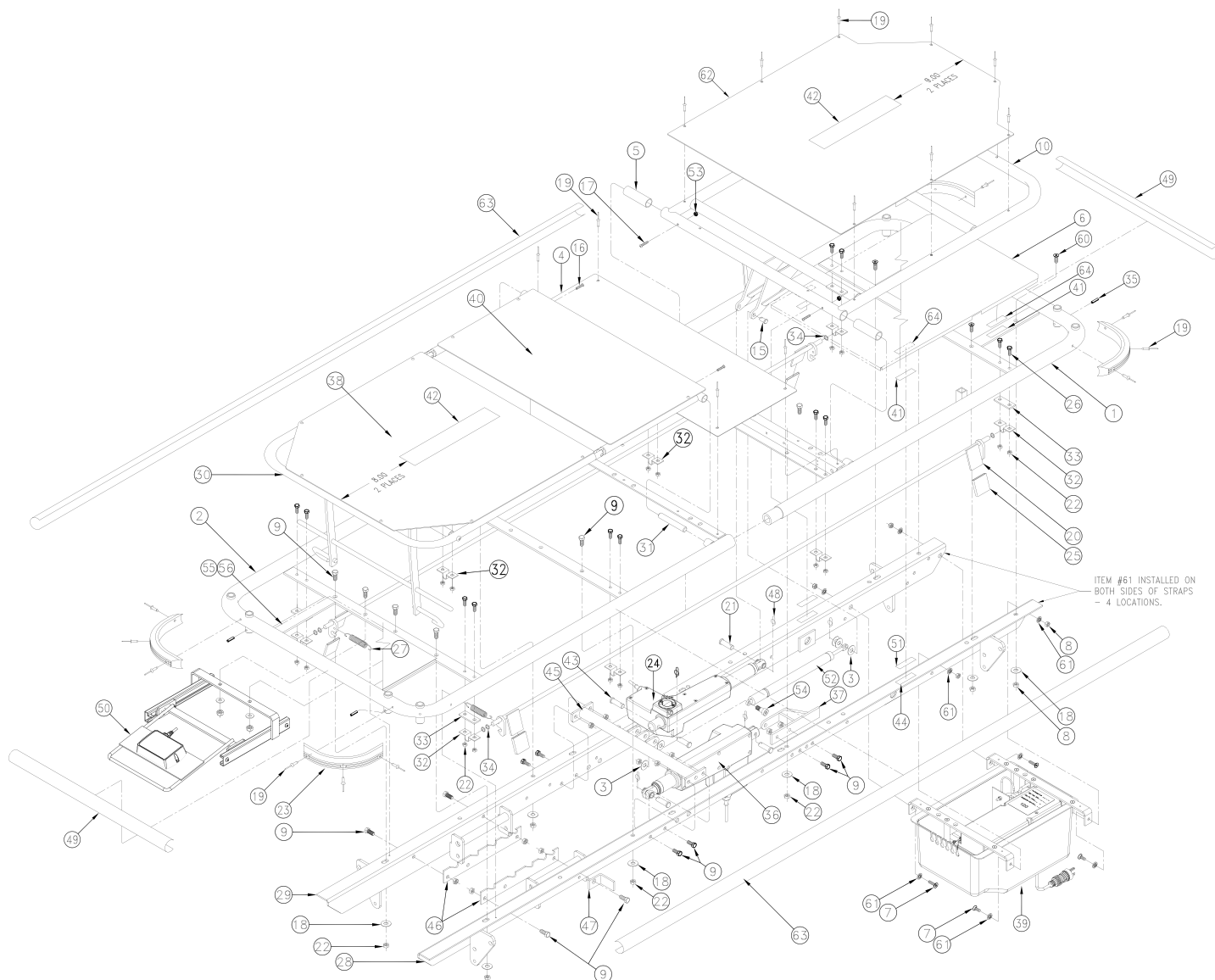
FIGURE 7-3.4E2/4D2 – ELECTRIC BASE ASSEMBLY (BEFORE 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	075457		ASSEMBLY, Base Frame	1					
2	062672		CASTER, Tente, Brake	3					
3	062671		CASTER, Tente, Swivel Lock	1					
4	062672		PLATE, Caster Bolt Lock	4					
5	062685		SCREW, Hex Head Cap, M8 x 1.25 x 12.00" Long	8					
6	065041		BOLT, Eye, 5/16-18	4					
7	031058		NUT, Free Thread, 5/16-18	4					
8	031080		WASHER, Flat, 5/16"	28					
9	031057		NUT, Lock, 5/16-18	16					
10	062684		LEVER, Cam	2					
11	068551		ROD, Horizon Hex Brake	2					
12	066507		ASSEMBLY, Left Brake Pedal	2					
13	066508		ASSEMBLY, Right Brake Pedal	2					
14	031101		SCREW, Hex Head Cap, 1/4-20 x 3/4" Long	4					
15	011422		COLLAR, Worm	6					
16	068983		COLUMN	2					
17	031156		BUMPER	4					
18	061350		SCREW, Hex Head Cap, 5/6 -18 x 1.50" Long	8					
19	068329		LINK, Brake Rod	1					
20	065807		BOLT, Shoulder, 3/8" x 3/8"	2					
21	031012		SCREW, Hex Head Cap, 5/16-18 x 1.0" Long	8					
22	075448		WELDMENT, Head End Crosstube	1					
23	075450		WELDMENT, Foot End Crosstube	1					
24	068513		HOOK, Velcro, 2.0" x 5/8"	22					
25	068512		PILE, Velcro, 2.0" x 5/8"	22					
26	068376		SPACER, Cover	4					
27	075317		COVER, Top, Electric Base	1					
28	075007		SHROUD, Cover	4					
29	000894		TIE, Cable	1					
30	062378		CHAIN, Anti-Static	1					
31	068475		TAPE, Double Sided, 2.0" x 1/2"	4					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-4A. 4E2/4D2 – DPA TOP ASSEMBLY (AFTER 1/1/14)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figure 7-13.

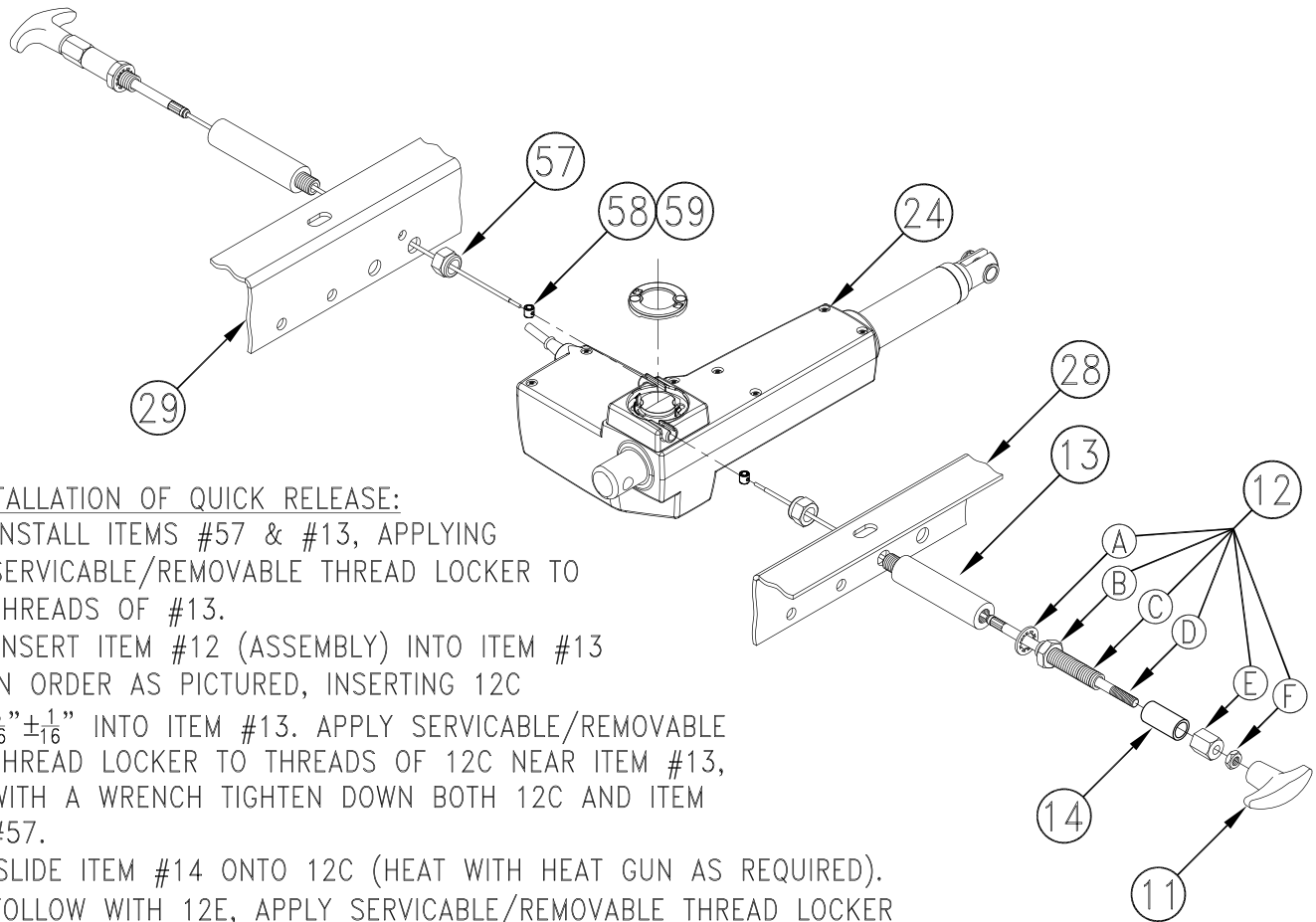
For detailed label locations, see Figure 7-16.

Figure 7-4A. 4E2/4D2 – DPA Top Assembly (After Jan. 1, 2014)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-4B. 4E2/4D2 – DPA TOP ASSEMBLY (AFTER 1/1/14)



INSTALLATION OF QUICK RELEASE:

1. INSTALL ITEMS #57 & #13, APPLYING SERVICABLE/REMOVABLE THREAD LOCKER TO THREADS OF #13.
2. INSERT ITEM #12 (ASSEMBLY) INTO ITEM #13 IN ORDER AS PICTURED, INSERTING 12C $\frac{5}{16} \pm \frac{1}{16}$ " INTO ITEM #13. APPLY SERVICABLE/REMOVABLE THREAD LOCKER TO THREADS OF 12C NEAR ITEM #13, WITH A WRENCH TIGHTEN DOWN BOTH 12C AND ITEM #57.
3. SLIDE ITEM #14 ONTO 12C (HEAT WITH HEAT GUN AS REQUIRED). FOLLOW WITH 12E, APPLY SERVICABLE/REMOVABLE THREAD LOCKER TO MALE THREADS.
4. INSTALL ITEM #59 INTO ITEM #58 LOOSELY. SLIDE #58 ONTO CABLE END OF ITEM #12. LIGHTLY TIGHTEN ITEMS #59 ADJUSTING TO SLIGHTEST TENSION IS APPLIED TO CABLE. ONCE ADJUSTED APPLY SERVICABLE/REMOVABLE THREAD LOCKER TO THREADS OF ITEM #59 AND FINISH TIGHTENING.
5. APPLY PERMANENT THREAD LOCKER TO THREADS OF 12D, THEN INSTALL 12F AND ITEM #11 PARALLEL TO SURFACE.



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

Figure 7-4B. 4E2/4D2 – DPA Top Assembly (After Jan. 1, 2014)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-4A-4B.4E2/4D2 – DPA TOP ASSEMBLY (AFTER 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	P69221		Top Weldment Head End / Wide	1					
2	P69225		Top Weldment K-Flex Top - Foot / Wide	1					
3	035115		Nylon Washer	5					
4	P69234		Seat Sheet Pan / Wide	1					
5	066696		Fowler Hinge Tube	2					
6	150830-640		Cover, Top, DPA Horizon Electric Controller	1					
7	031320		1/4"-20 x 3/4" Soc Hd Flat Screw	4					
8	031057		5/16"-18 Lock Nut	22					
9	031010		5/16"-18 x 3/4" Hex Hd Cap Screw	18					
10	080557		Fowler Weldment, 4E2/4D2 Elec Str W/Damper	1					
11	055215		Pull Knob	2					
12	080475		Quick Release Cable Assy	2					
13	080560		Quick Release Mounting Extension, Adjustable	2					
14	080562		Quick Release Trigger Guard	2					
15	080559		Pivot Pin, 0.385 x 15/16	2					
16	075502		#10-24 x 1-1/8" Phillips Pan Hd Mach Scrw	2					
17	075503		#10-24 x 1-3/8" Phillips Pan Hd Mach Screw	2					
18	031080		5/16" Washer	12					
19	000794		3/16 x .45 Cherry Rivet	34					
20	067131		Legacy Rail Latch Weldment Assembly	2					
21	075625		Pin, Gas Spring Hinge	4					
22	031055		1/4" -20 Lock Nut	20					
23	066540		Corner Bumper	4					
24	080453		Stretcher Actuator, Back Quick Release-LA31	1					
25	066613		Rail Latch Cap	4					
26	068786		1/4"-20 x 5/8" Hex Hd Cap Screw	15					
27	066603		Latch Spring	2					
28	068484		Top Angle Assembly - Patient Left	1					
29	068483		Top Angle Assembly - Patient Right	1					
30	P69250		Kneeflex Sub Assembly / Wide	1					
31	030432		Cross Bar Shaft	2					
32	067136		Latch Tube Support	8					
33	066605		Latch Support Plate	4					
34	061375		Nylon Washer	6					
35	031314		3/16 x 3/4" Spring Pin	4					
36	080454		Stretcher Actuator, Leg Rest LA31	1					
37	075022		Foot Actuator Anchor	1					
38	P69236		Cover, Foot Sheet	1					
39	080565		(4D2) Elec Horizon Controller Assembly 230V -II	1					
	080564		(4E2) Elec Horizon Controller Assembly 120V - II	1					

RECOMMENDED REPLACEMENT PARTS

7

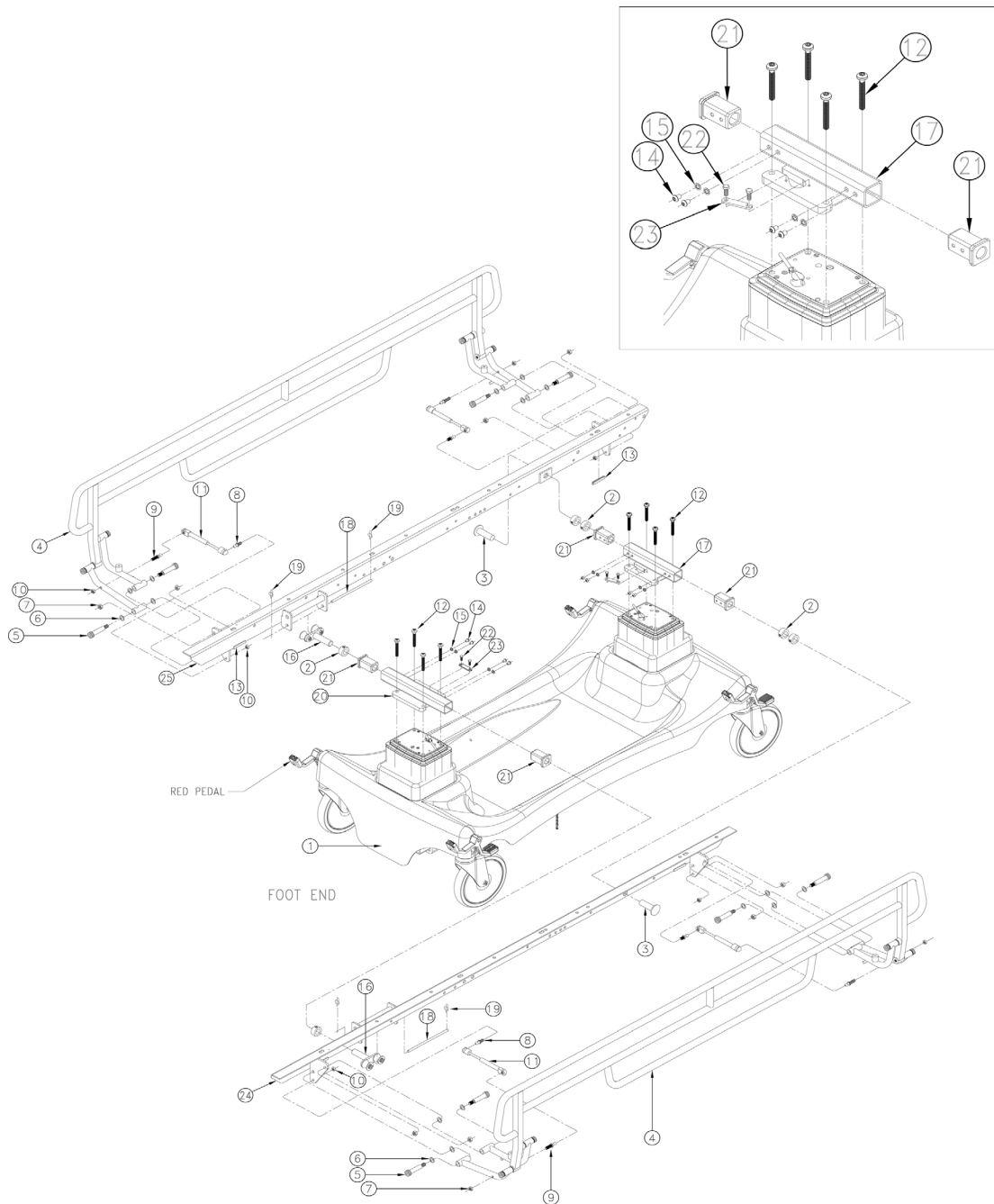
FIGURE 7-4A-4B.4E2/4D2 – DPA TOP ASSEMBLY (AFTER 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
40	P69235		Cover, Knee Sheet	1					
41	068513		5/8 x 2 Velcro Hook	4					
42	031212		Velcro Hook 2"	2					
43	080440		Pivot Pin, 0.385 x 1.875	1					
44	068475		Double-Sided Tape, 1/2 x 2"	2					
45	080558		4E2/4D2 Elec Str. Fowler Act/Damper Anchor	1					
46	065059		Ratchet Plate	2					
47	067143		Stop Angle	1					
48	065258		Locking Cotter Pin	5					
49	075236		Tube Protector 19.50 LG, See Note 3	2					
50	080561		Nurse Lockout Assembly	1					
51	150830641		1/8" Shim	2					
52	080513		Damper, Gas Spring	1					
53	031421		#10-24 Lock Nut	4					
54	065807		3/8 x 3/8 Hex Socket Head Shoulder Bolt	1					
55	075041		Nurse Lockout Top Cover	1					
56	080075		Tape, Double Sided 1/2" x 30"	1					
57	080563		Lock Nut, Nylon 7/16-20 x 5/8	2					
58	080476		Barrel Stop	2					
59	150830742		#10-32 x 1/8 Lg Set Screw	4					
60	031034		5/16-18 x 3/4 Flat Hd Cap Screw	4					
61	031090		Lock Washer, 1/4"	8					
62	Pp69237		Fowler Cover Sheet - Wide	1					
63	075133		Extrusion, 70.75 Lg Frame Tube Protector	2					
64	068512		5/8 x 2 Velcro Pile	4					

RECOMMENDED REPLACEMENT PARTS

7

FIG. 7-5.4E2/4D2 – DPA TOP & RAIL ASSEMBLY (AFTER 1/1/14)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

Figure 7-5.4E2/4D2 – DPA Top & Rail Assembly (After 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

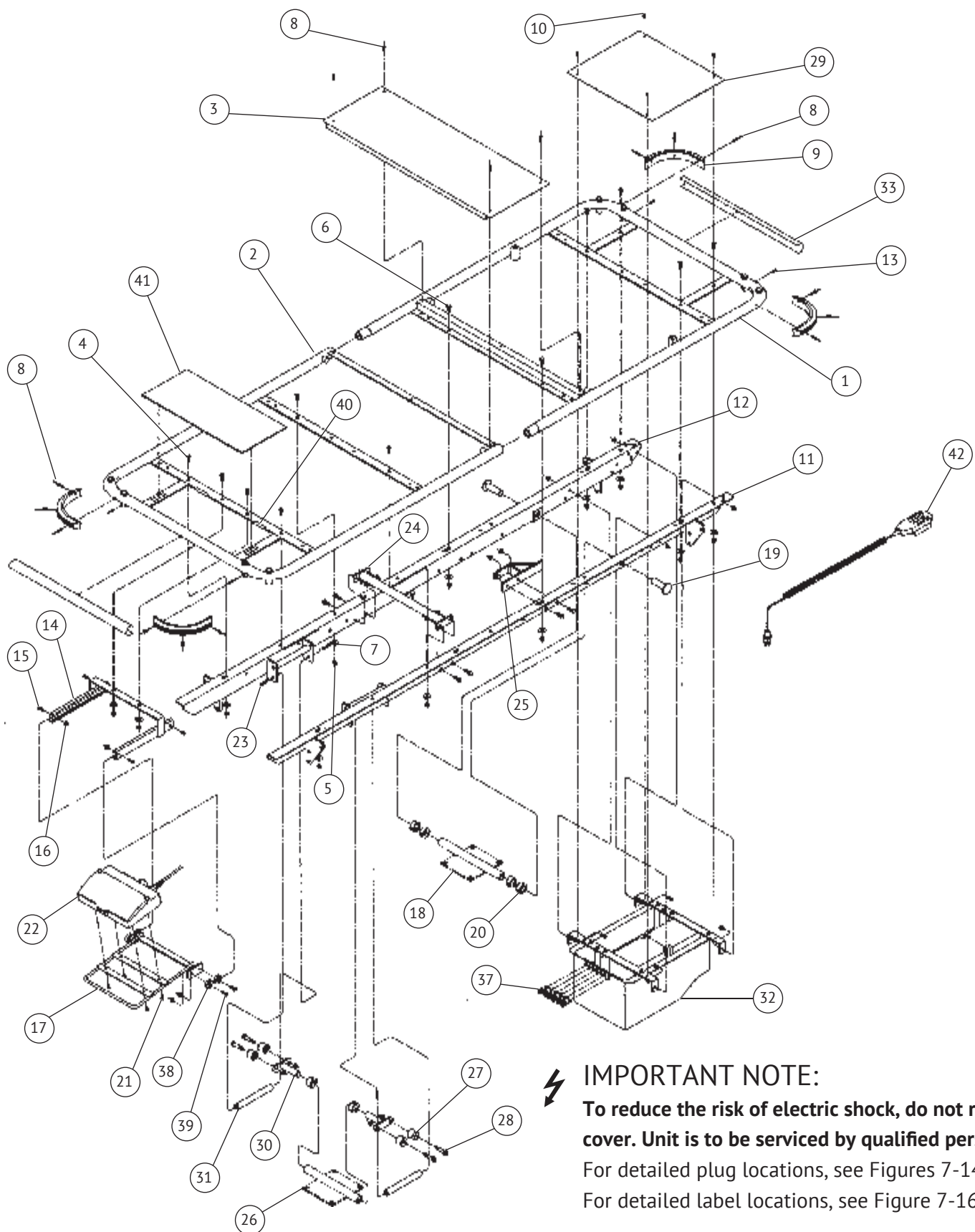
FIGURE 7-5.4E2/4D2 DPA TOP & RAIL ASSEMBLY AFTER 1/1/14

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	080471		Electric Base Assembly	1					
2	068464		3/4 I.D. Stop Collar	6					
3	068493		Horizon Top Retaining Plug	2					
4	068521		Horizon Air Glide Rail Assembly	2					
5	062037		1/2 x 2.0 Shoulder Bolt	8					
6	066619		.750 O.D. x .505 I.D. Nylon Washer	16					
7	066618		3/8-16 Lock Nut	8					
8	067712		Short Ball Stud	4					
9	067711		Long Ball Stud	4					
10	031057		5/16 - 18 Lock Nut	16					
11	075529		150 Newton Rail Gas Spring	4					
12	080469		BL1 Stretcher Column Mounting Screw	4					
13	066983		Trim Lock	8					
14	031012		5/16-18 x 1" Hex Hd Cap Screw	8					
15	031080		5/16 Flat Washer	2					
16	068466		Roller Bracket Assembly	1					
17	080430		Elec Crosstube Weldment Head 4E2/4D2	2					
18	150830-358		Pin, Clevis 3/8 x 6-5/8	4					
19	065258		Cotter Pin, Locking	4					
20	080428		Elec Crosstube Weldment Foot 4E2/4D2	1					
21	080170		Crosstube End Insert	4					
22	068890		#10-32 x 1/2 Hex Hd Mach Screw W/Mylar	4					
23	080439		BL1 Base Plate Cable Lock	2					
24	068484		Top Angle Assembly - Patient Left	REF					
25	068483		Top Angle Assembly - Patient Right	REF					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-6.4E2/4D2 – DPA TOP ASSEMBLY (BEFORE JAN. 1, 2014)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-14 & 7-15.

For detailed label locations, see Figure 7-16.

Figure 7-6. 4E2/4D2 – DPA Top Assembly

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-6.4E2/4D2 – DPA TOP ASSEMBLY (BEFORE JAN. 1, 2014)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	069221	*	WELDMENT, Top, Head/Wide Top	1					
2	069225	*	WELDMENT, Top, Foot/Wide	1					
3	069234	*	TOP, Seat Sheet Pan/Wide						
4	067292		SCREW, Button Head Cap, 5/16-18 x 3/4" Long	10					
5	031057		NUT, Lock, 5/16-18	22					
6	031010		SCREW, Hex Head Cap, 5/16-18 x 3/4" Long	8					
7	031080		WASHER, 5/16"	12					
8	000794		RIVET, Cherry, 3/16" x .45"	16					
9	066540		BUMPER, Corner	4					
10	061037		SCREW, Hex Head Self Tapping, #10-24 X 3/8" Long	4					
11	068484		ASSEMBLY, Top Angle, Right	1					
12	068483		ASSEMBLY, Top Angle, Left	1					
13	031314		PIN, Spring, 3/16" x 3/4"	4					
14	075012		ASSEMBLY, Lockout Support	1					
15	061195		SCREW, Button Head Cap, 1/4-20 x 5/8" Long	4					
16	031055		NUT, Lock, 1/4-20	16					
17	075026		ASSEMBLY, Lockout Slide	1					
18	075448		WELDMENT, Head End Crosstube	1					
19	068493		PLUG, Crosstube	2					
20	068464		COLLAR, Stop, 3/4" I.D.	6					
21	075036		SCREW, Cheese Head Machine, M5-10 x 3/8" Long	4					
22	075716		BOX, Nurse Control	1					
23	031325		SCREW, Button Head Cap, 1/4-20 x 1.00" Long	4					
24	075030		ANCHOR, Fowler Actuator	1					
25	075022		ANCHOR, Foot Actuator	1					
26	075450		WELDMENT, Foot End Crosstube	1					
27	068465		ROLLER	4					
28	061157		BOLT, Shoulder, 3/8" x 1.00" Long	4					
29	075740		COVER, Controller Top	1					
30	068467		BRACKET, Roller Pivot	2					
31	068463		TUBE, Roller Stop	2					
32	075033		ASSEMBLY, Controller, 4E2 (Before 12/98)	1					
	075737		ASSEMBLY, Controller, 4E2 (10/98-5/00)	1					
	076131		ASSEMBLY, Controller, 4E2 (After 5/00)	1					
	076182		ASSEMBLY, Controller, 230V, 4D2 (After 5/00)	1					
	075739		ASSEMBLY, Controller, 230V, 4D2 (10/98-5/00)	1					
33	075236		PROTECTOR, Tube, Short	2					
34	075233		PROTECTOR, Tube, Long (Not Shown)	2					
36	031076		WASHER, Flat, 1/4"	4					
37	068864		RELIEF, Small Strain	6					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-6.4E2/4D2 – DPA TOP ASSEMBLY (BEFORE JAN. 1, 2014)

Item No.	Part No.	S V C	Description	Units Per Assembly					
38	068863		GLIDE, Plastic	4					
39	066925		SCREW, Flat Head Socket, 1/4-20 x 1.00" Long	4					
40	068475		TAPE, Double Sided, 1/4" x 2.0"	4					
41	075041		COVER, Nurse Control Panel	1					
42	075741		ASSEMBLY, Pendant, (CB-14 Version)	1					

NOTE: The "O" suffix on the part numbers marked with an " * " designate part numbers for the chrome/stainless units (Model 4E2 DPA-SS). For powder coated units (Model 4E2 DPA-PC), the "O" suffix should be replaced with a "P" suffix. (Example: Item 1 for a powder coated unit 4E2 DPA-PC, would become P69221).

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-7.4E2/4D2 – DPA FOWLER ASSEMBLY (BEFORE 1/1/14)

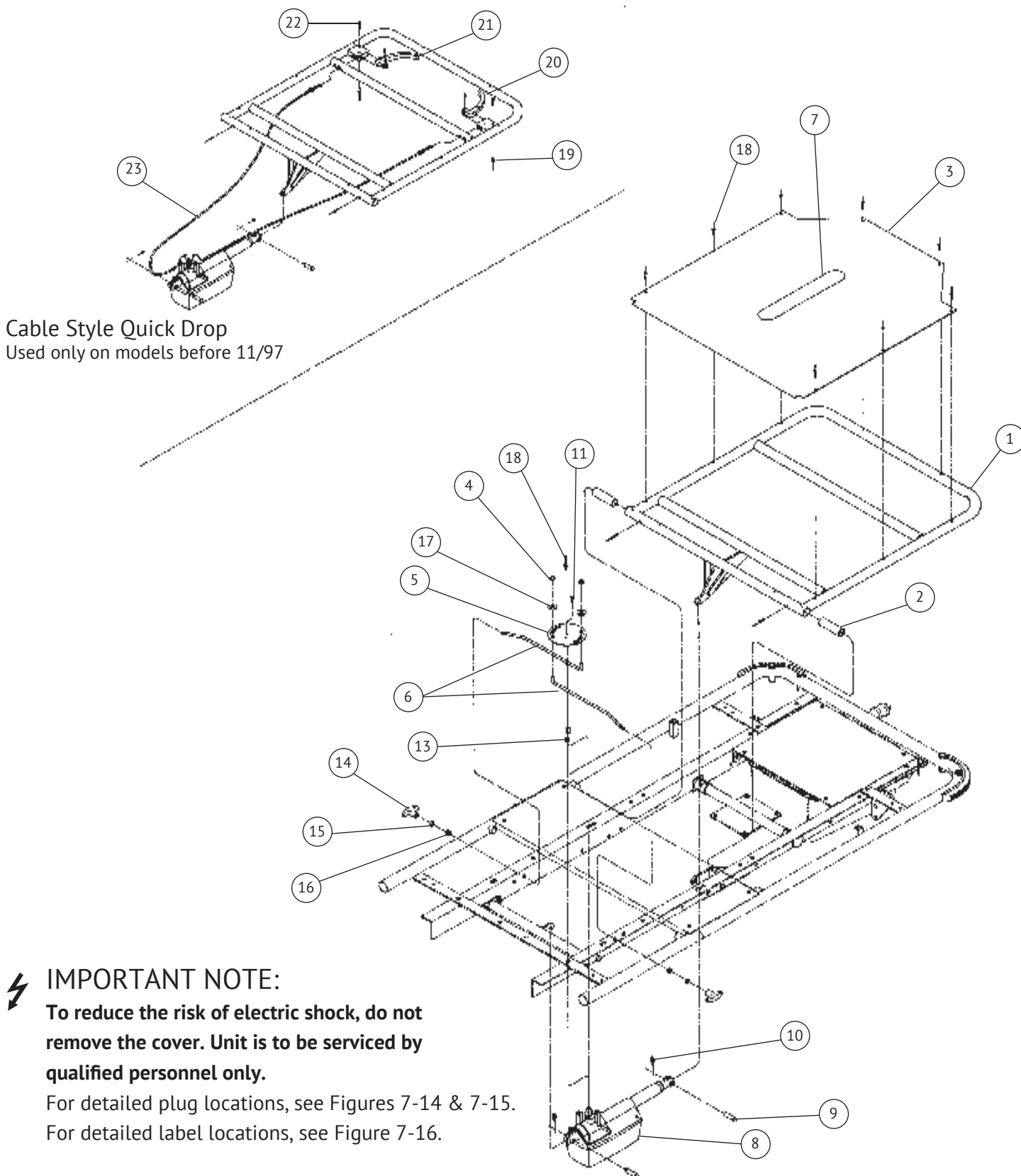


Figure 7-7. 4E2/4D2 – DPA Fowler Assembly (Before 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-7.4E2/4D2 – DPA FOWLER ASSEMBLY (BEFORE 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	075015	*	FRAME, Fowler, Electric, Wide	1					
2	066696		PIN, Fowler Hinge	1					
3	069237	*	SHEET, Fowler Cover, Wide	1					
4	075443		NUT, Cap, 1/4"	2					
5	075437		PLATE, Actuator	1					
6	075442		ROD, Pull	1					
7	031212		HOOK, Velcro	1					
8	068985		ACTUATOR, Fowler Backrest	1					
9	075627		PIN, Gas Spring Hinge	2					
10	065258		CLIP, Rue, 3/8"	2					
11	075444		SCREW, Slotted Pan Head, M5 x 20MM	1					
12	069440		RIVET, Pop, Steel, 3/16"	2					
13	075441		SPACER	1					
14	055215		KNOB, Pull	2					
15	031054		NUT, Free Thread, 1/4-20	2					
16	061336		BEARING, Nylon	2					
17	065688		WASHER, Nylon, 5/16"	2					
18	000794		RIVET, Pop, Aluminum, 3/16"	9					
19	031186		RIVET, Stop	2					
20	066547		PIN, Straight, 3/16" x 1/2"	2					
21	075042		HANDLE, Fowler	2					
22	066548		PIN, Clevis, 3/16" x 7/8"	2					
23	075032		CABLE, Fowler Quick Release	2					

NOTE: The "O" suffix on the part numbers marked with an "*" designate part numbers for the chrome/stainless units (Model 4E2 DPA-SS). For powder coated units (Model 4E2 DPA-PC), the "O" suffix should be replaced with a "P" suffix. (Example: Item 1 for a powder coated unit 4E2 DPA-PC, would become P75015).

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-8. LEG SECTION ASSEMBLY (BEFORE JAN. 1, 2014)

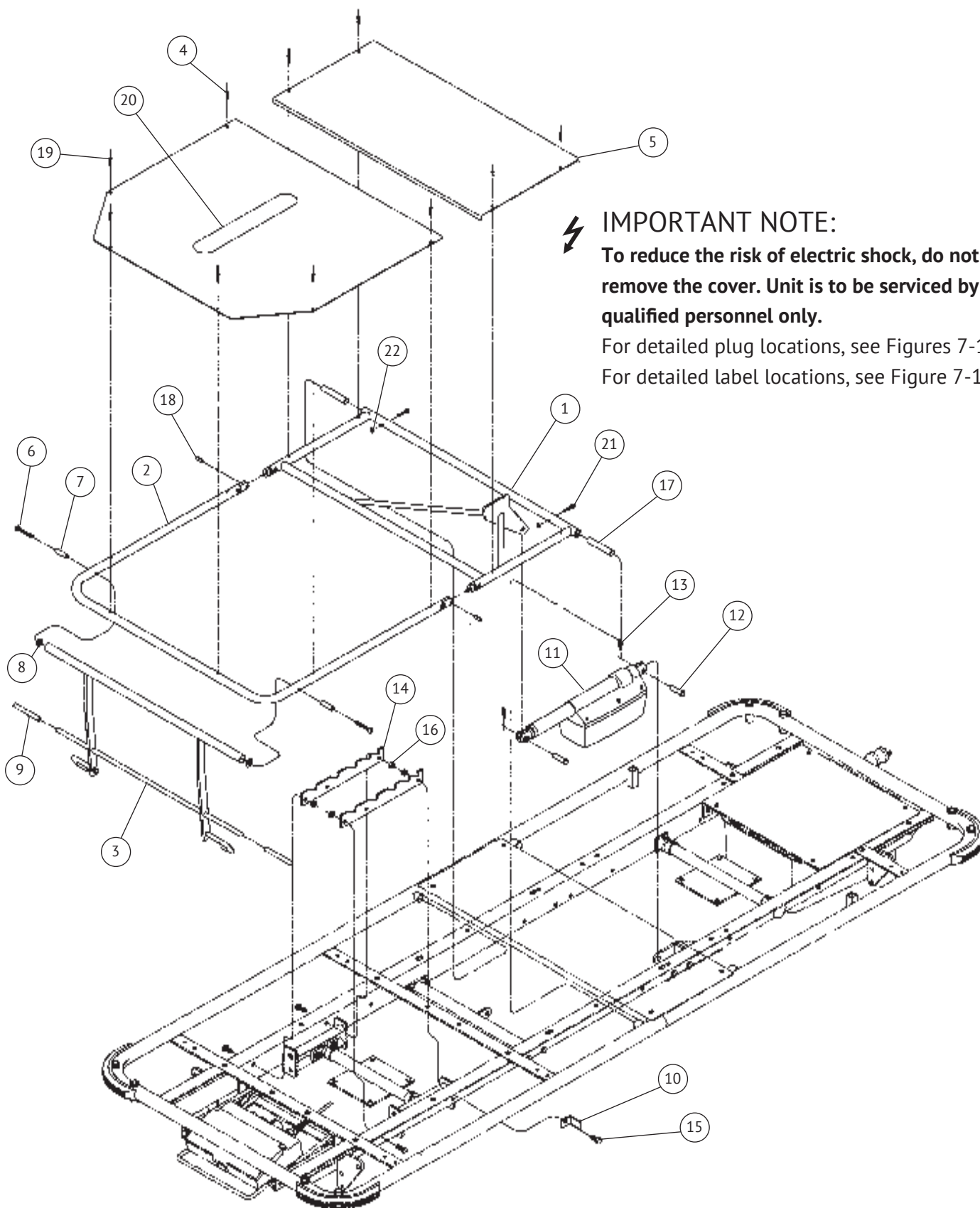


FIGURE 7-8. LEG SECTION ASSEMBLY (BEFORE JAN. 1, 2014)

RECOMMENDED REPLACEMENT PARTS

7

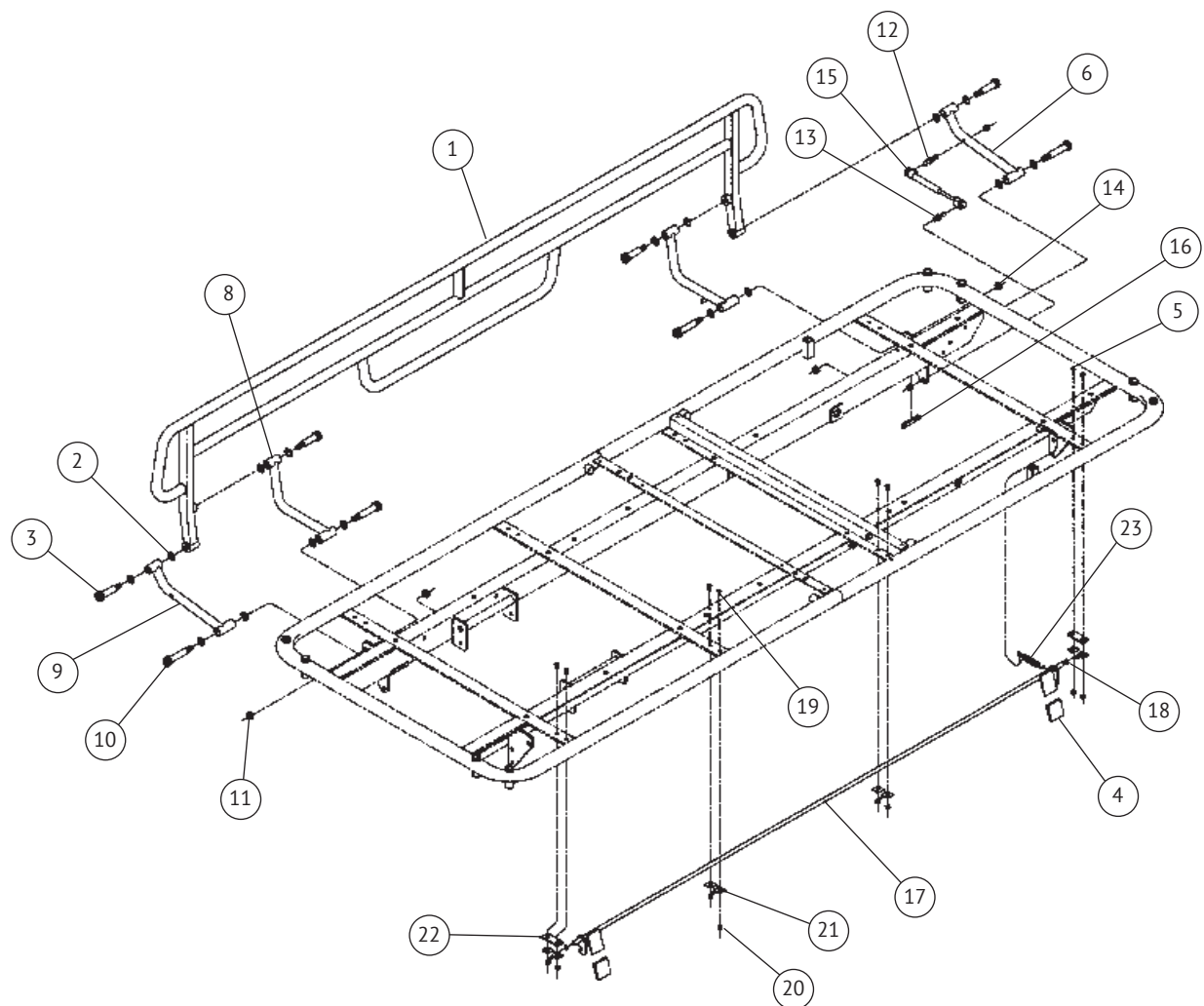
FIGURE 7-8. LEG SECTION ASSEMBLY (BEFORE JAN. 1, 2014)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	P69226		WELDMENT, Knee Frame, Wide Top	1					
2	P69232		ASSEMBLY, Foot Frame, Wide Top	1					
3	069229		TOP, Kneeflex Foot Support/Wide	1					
4	P69236		TOP, Foot Section Cover Sheet/Wide	1					
5	P69235		TOP, Knee Section Cover Sheet/Wide	1					
6	031357		SCREW, Phillips Oval Head, 1/4-20 x 1-3/4" Long	2					
7	067149		SPACER, Foot Frame	2					
8	035115		WASHER, Nylon	2					
9	066688		CAP, Vinyl	2					
10	067143		STOP, Foot Support	1					
11	068986		ACTUATOR, Leg Rest						
12	075627		PIN, Gas Spring Hinge	2					
13	065258		CLIP, Rue 3/8"	2					
14	065059		PLATE, Ratchet	2					
15	031010		SCREW, Hex Head Cap, 5/16-18 x 3/4" Long	4					
16	031057		NUT, Lock, 5/16-18	4					
17	030432		SHAFT, Cross Bar	2					
18	031312		PIN spring, 1/4" x 3/4"	2					
19	000794		RIVET, Cherry, 3/16" x .45"	10					
20	031212		HOOK, Velcro	1					
21	075502		SCREW, Phillips Pan Head, #10-24 x 1-1/8" Long	2					
22	031421		NUT, Lock, #10-24	2					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-9. AIRGLIDE RAIL ASSEMBLY (BEFORE JAN. 1, 2014)



NOTE:

Only one side of rail and one side of latch is shown for clarity, the bill of material reflects parts required for a complete stretcher.

For detailed plug locations, see Figures 7-14, 7-15, 7-23 & 7-24.

For detailed label locations, see Figures 7-16 & 7-25.

FIGURE 7-9. AIRGLIDE RAIL ASSEMBLY (BEFORE 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

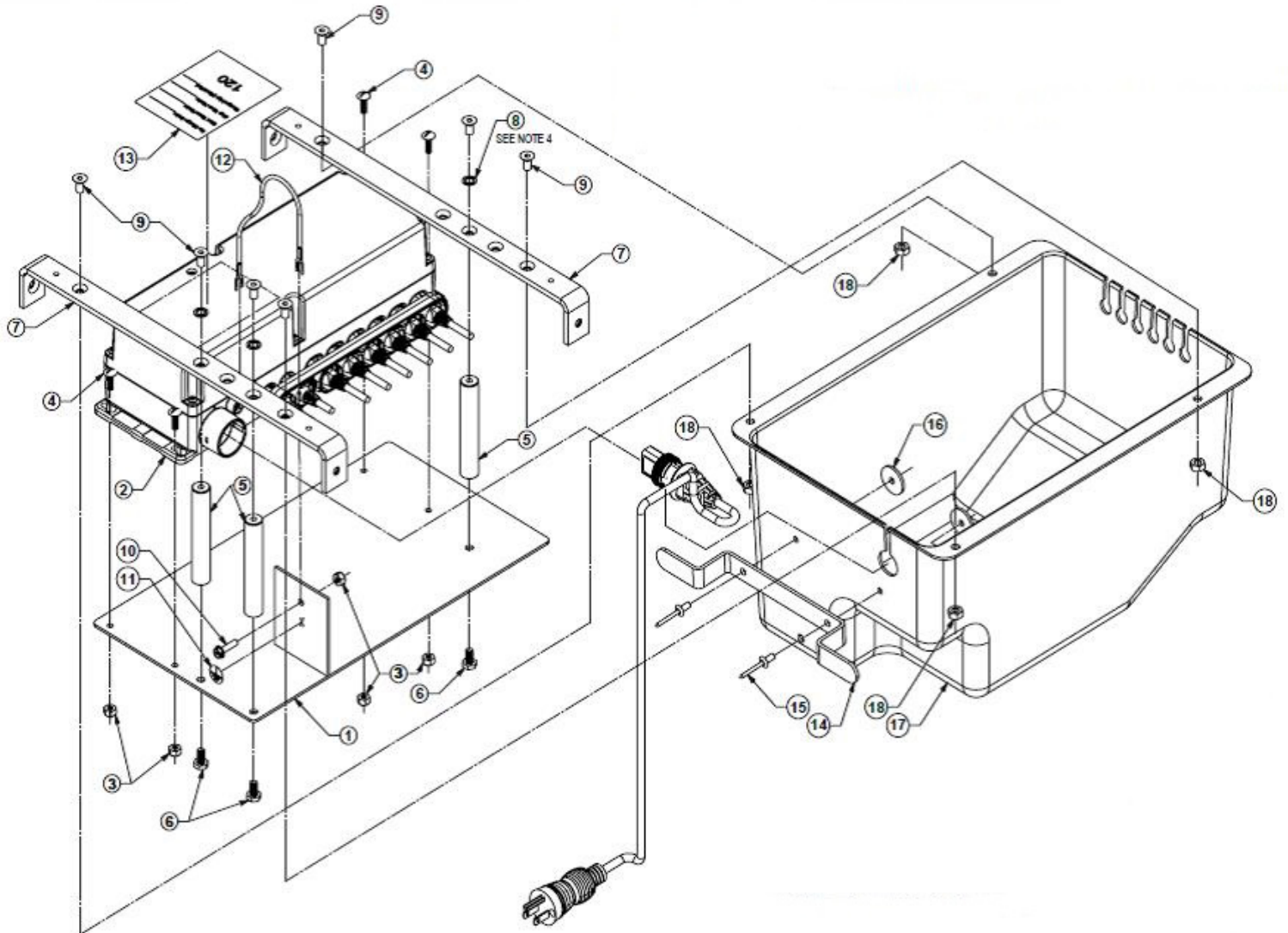
FIGURE 7-9. AIRGLIDE RAIL ASSEMBLY (BEFORE JAN. 1, 2014)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	068453		WELDMENT, Air Glide Rail	2					
2	066619		WASHER, Nylon	32					
3	066616		BOLT, Shoulder, 1/2" x 1-1/2" Long	8					
4	066613		CAP, Rail Latch	4					
5	031325		SCREW, Button Head Cap, 1/4-20 x 1/2" Long	8					
6	066595		LINK, Lower, Left	2					
7	066589		LINK, Upper, Left						
8	066590		LINK, Upper, Right	2					
9	066595		LINK, Lower, Right	2					
10	062037		BOLT, Shoulder, 1/2" x 2.0"	8					
11	066618		NUT, Lock, 3/8-16						
12	067711		STUD, Long Ball	2					
13	067712		STUD, Short Ball	2					
14	031057		NUT, Lock, 5/16-18	4					
15	067709		SPRING, 175 Newton Gas	2					
16	066983		LOCK, Trim	4					
17	067131		ASSEMBLY, Rail Latch	2					
18	061375		WASHER, Nylon	4					
19	061195		SCREW, Button Head Cap, 1/4-20 x 5/8" Long	8					
20	031055		NUT, Lock, 1/4-20	16					
21	067136		SUPPORT, Latch Tube	8					
22	066605		PLATE, Latch Support	4					
23	066603		SPRING, Latch	2					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-10. 4E2/4D2 – DPA CONTROLLER ASSEMBLY (AFTER 1/1/14)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

Figure 7-10. 4E2/4D2 – DPA Controller Assembly (After 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-10.4E2/4D2 – DPA CONTROLLER ASSY (AFTER 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	076133		Controller Weldment Hanger	1					
2	080455		CB-16 Cont. 120V Elec. Str.	1					
3	031421		#10-24 Lock Nut	5					
4	061159		#10-24 x 5/8 Truss Head Machine Screw	4					
5	075735		Mounting Post	3					
6	031004		1/4-20 x 1/2 Hex Head Cap Screw	3					
7	075736		Controller Hanger Strap	2					
8	031090		Internal Tooth Washer	3					
9	031324		1/4-20 x 1/2 Socket Flat Head Screw	7					
10	031000		#10-24 x 1/2 Hex Head C.S. Washer Head	1					
11	076132		Label, Ground Symbol	1					
12	076125		Controller Ground Wire	1					
13	069477		Charge Label	1					
14	076123		Bracket, Cord Wrap	1					
15	000794		3/16 x 1/2 Pop Rivet	2					
16	000794		3/16 Fender Washer	2					
17	075732		Controller Cover	1					
18	031055		1/4-20 Lock Nut	4					
19	080510		Power Cable, Stretcher 120VAC	1					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-11. 4E2/4D2 – DPA CONTROLLER ASSEMBLY (AFTER 5/1/00, BEFORE 1/1/14)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-14 & 7-15.

For detailed label locations, see Figure 7-16.

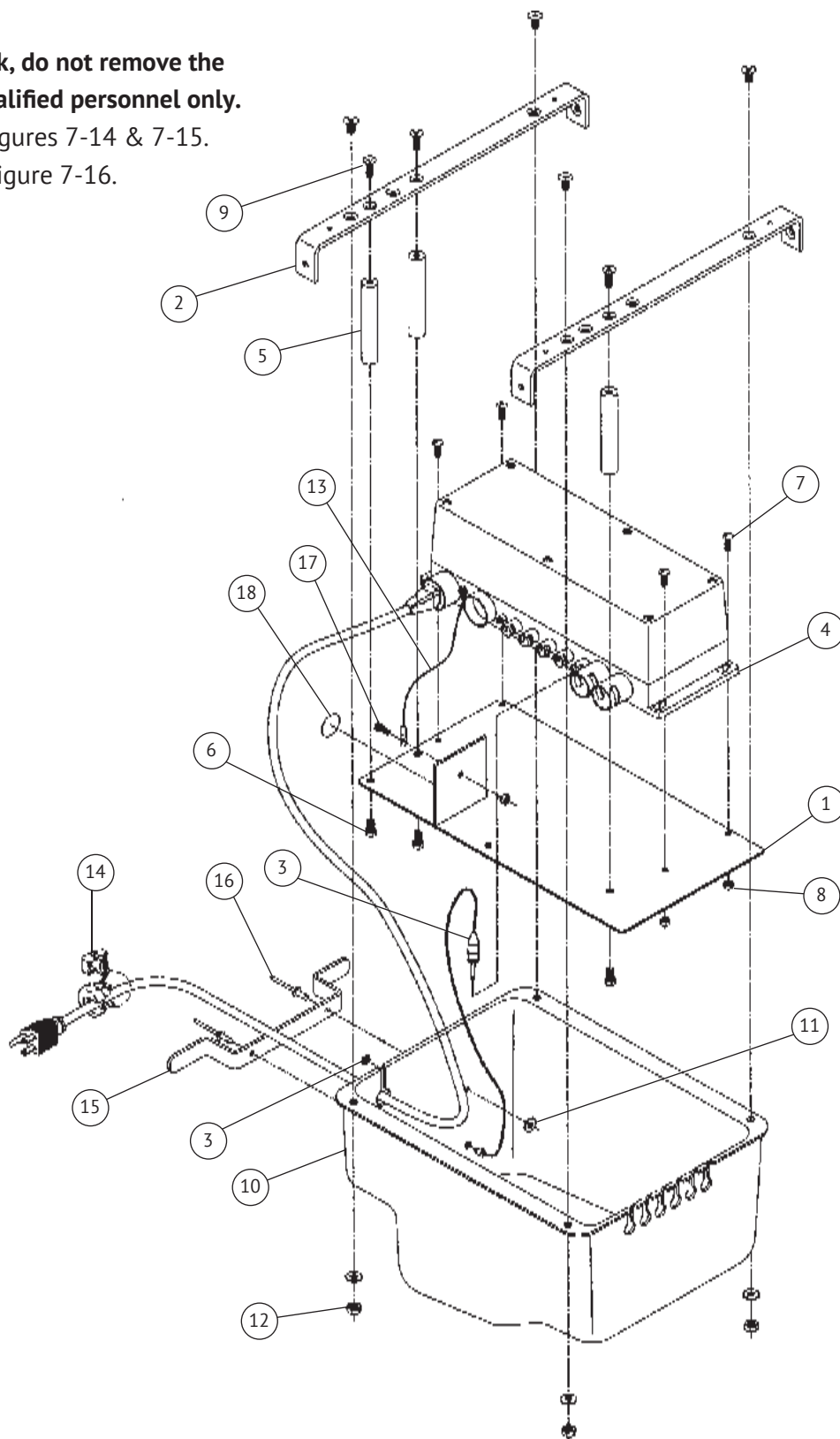


FIGURE 7-11 4E2/4D2 – DPA CONTROLLER ASSEMBLY (AFTER 5/1/00)

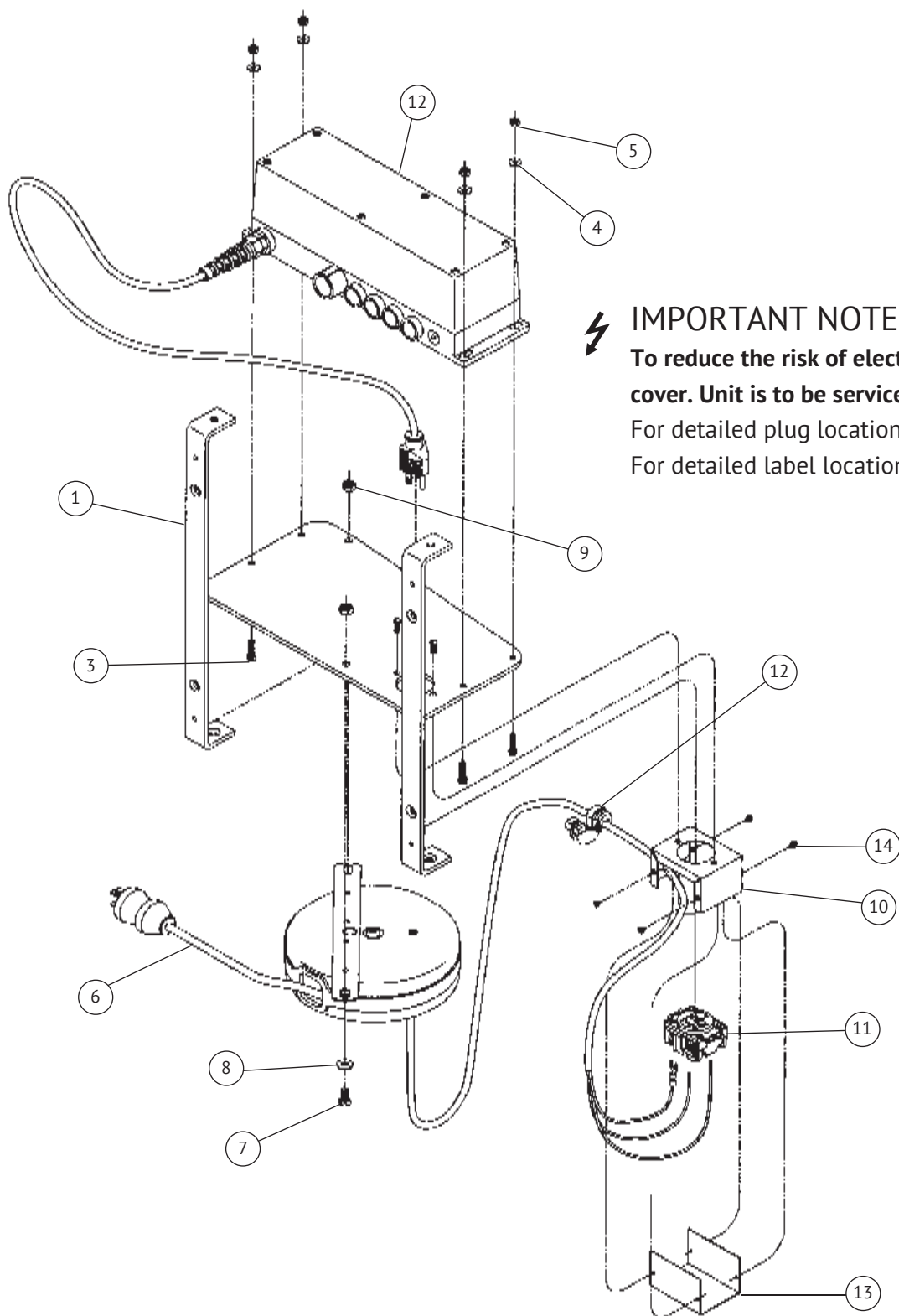
RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-11. 4E2/4D2 – DPA CONTROLLER ASSEMBLY
(AFTER 5/1/00, BEFORE 1/1/14))

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	076133		WELDMENT, Controller Hanger Plate	1					
2	075736		STRAP, Controller Hanger	2					
3	075749		ASSEMBLY, Low Battery LED	1					
4	075044		CONTROLLER, CB-14, 120VAC, 4E2 Models	1					
	075718		CONTROLLER, CB-14, 230VAC, 4D2 Models	1					
5	075735		POST, Mounting	3					
6	031004		SCREW, Hex Head Cap, 1/4-20 x 1/2" Long	3					
7	061159		SCREW, Truss Head Mach, #10-24 x 5/8" Long	4					
8	031421		NUT, Lock, #10	5					
9	031324		SCREW, Flat Head Mach, 1/4-20 x 1/2" Long	7					
10	075732		COVER, Controller	1					
11	031074		WASHER, Flat, 3/16"	2					
12	031055		NUT, Lock, 1/4-20	4					
13	076125		WIRE, Controller Ground	1					
14	068982		RELIEF, Strain	1					
15	076123		BRACKET, Cord Wrap	1					
16	000794		RIVET, 3/16"	2					
17	031000		SCREW, Hex Washer Head, #10-24 x 1/2"	1					
18	076132		LABEL, Ground Symbol	1					

FIGURE 7-12. DPA CONTROLLER ASSEMBLY (BEFORE 5/1/00)

**IMPORTANT NOTE:**

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-14 & 7-15.

For detailed label locations, see Figure 7-16.

FIGURE 7-12. DPA CONTROLLER ASSEMBLY (BEFORE 5/1/00)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-12. DPA CONTROLLER ASSEMBLY (BEFORE 5/1/00)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	075009		Controller Hanger	1					
2	068962		CONTROLLER, CB-10 (Before 10/98)	1					
	075044		CONTROLLER, CB-14 (After 10/98)	1					
	075467		CONTROLLER, CB-10, 230 VAC, 4D2 (Before 10/98)	1					
	075718		CONTROLLER, CB-14, 230 VAC, 4D2 (After 10/98)	1					
3	031003		SCREW, Hex Slotted Head Cap, #10-24 x 3/4" Long	4					
4	031074		WASHER, Flat, #10	4					
5	031421		NUT, Lock, #10	4					
6	068966		REEL, Cord	1					
7	031017		SCREW, Hex Head Cap, 1/4-20 x 1.00" Long	2					
8	031364		WASHER, Flat, 1/4"	2					
9	031055		NUT, Lock, 1/4-20	2					
10	068979		BASE, Junction Box Base	1					
11	068976		RECEPTACLE, Hospital Grade	1					
12	068982		RELIEF, Strain	1					
13	068980		COVER, Junction Box	1					
14	031097		SCREW, Sheet Metal, #6 x 1/4" Long	4					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-13. DPA PLUG AND WIRING DIAGRAM (AFTER 1/1/14)



IMPORTANT NOTE:

To reduce the risk of electric shock,
do not remove the cover.

Unit is to be serviced by qualified
personnel only.

For detailed label locations, see
Figure 7-16.

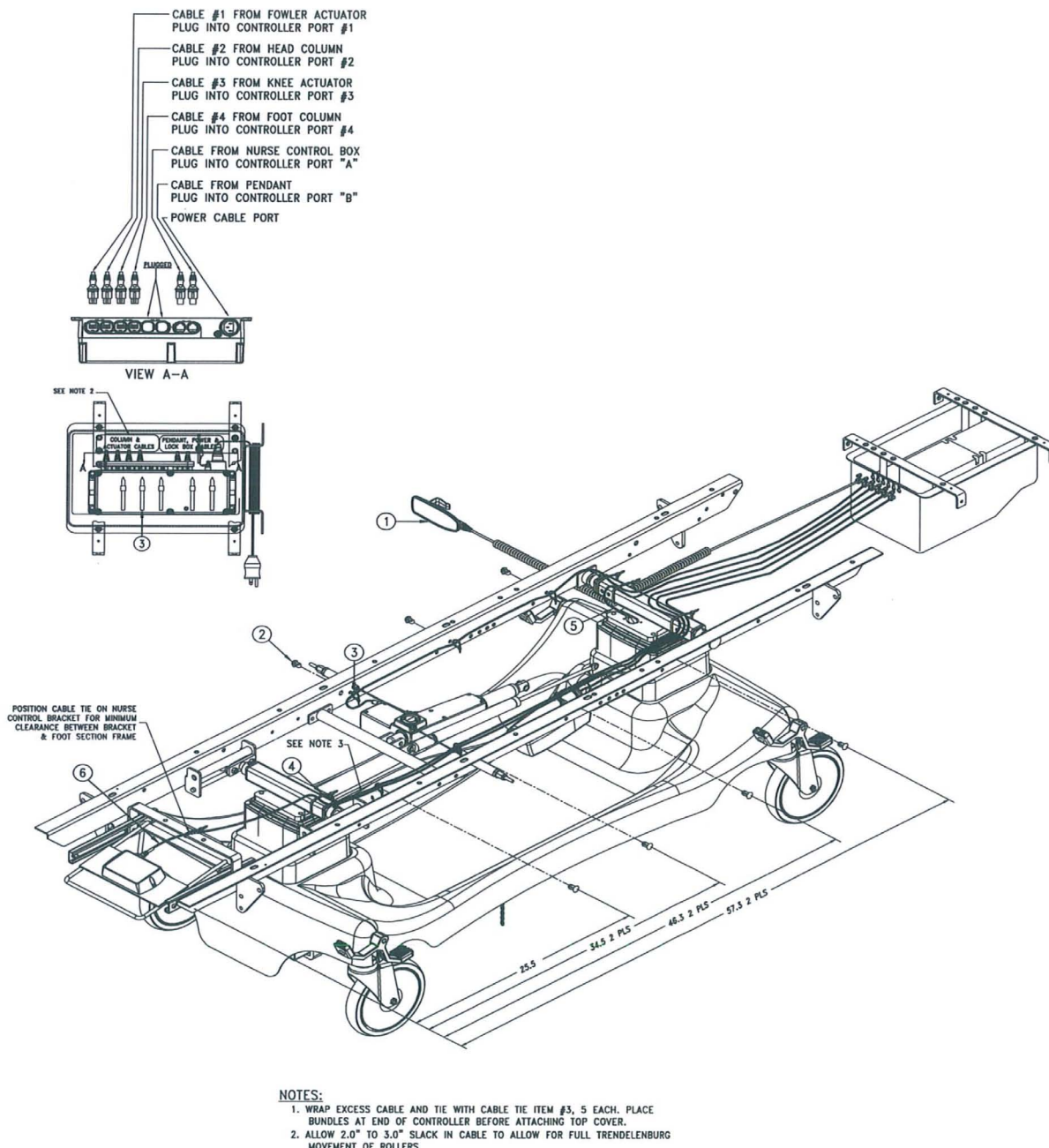


Figure 7-13. DPA Plug and Wiring Diagram (After 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-13. DPA PLUG AND WIRING DIAGRAM (AFTER 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	080457		Pendant	1					
2	063031		Button	7					
3	431172-091		Cable Tie (Big)	17					
4	080466		Column to Controller Cable	1					
5	080465		Column to Controller Cable	1					
6	080548		Lockout Cable to Controller - 8'	1					

FIGURE 7-14. DPA PLUG AND WIRING DIAGRAM (AFTER 5/1/00)

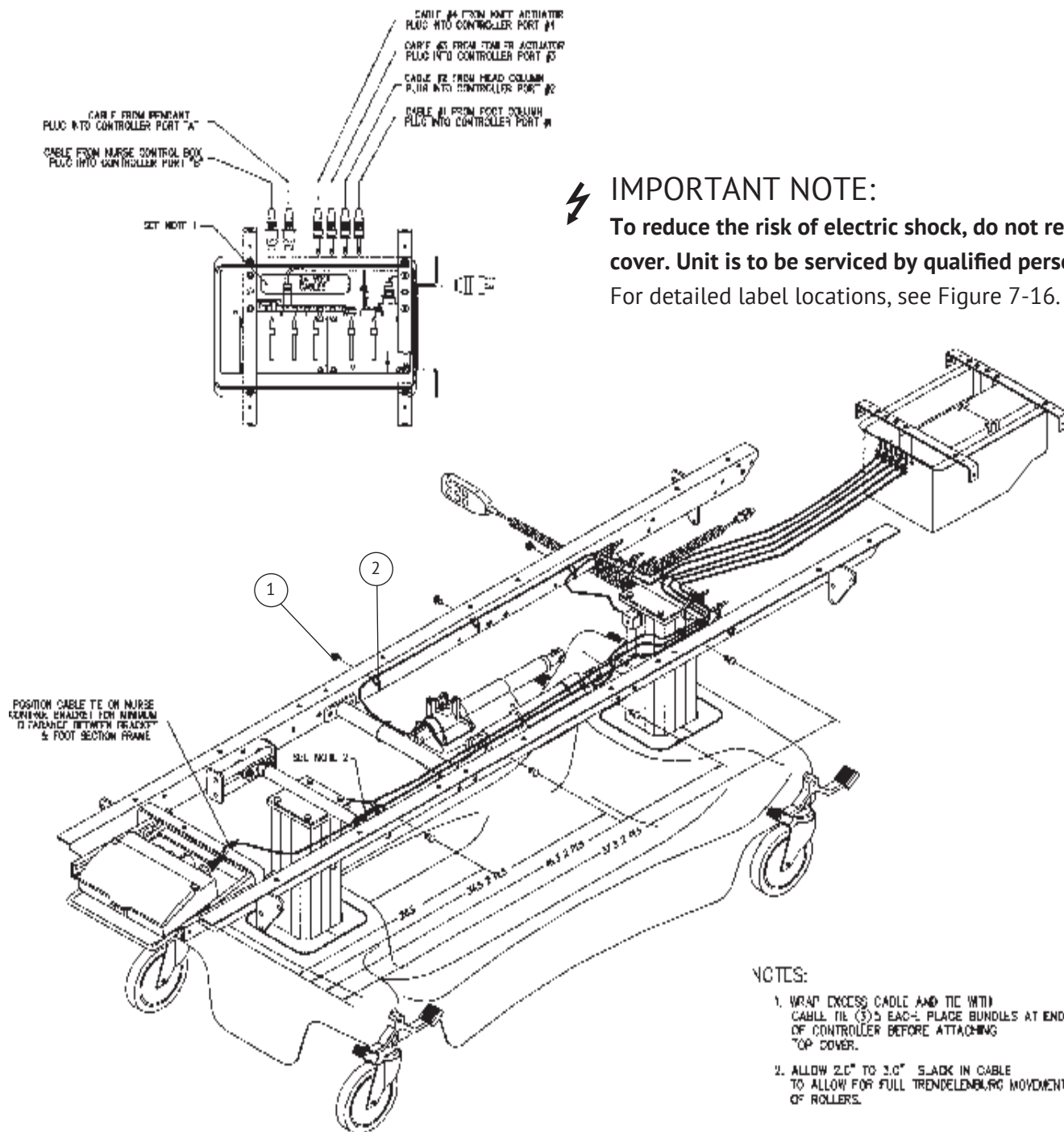


FIGURE 7-14. DPA PLUG AND WIRING DIAGRAM (AFTER 5/1/00)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-14. DPA PLUG AND WIRING DIAGRAM (AFTER 5/1/00)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	063031		BUTTON	7					
2	065403		TIE, Cable (Large)	20					

FIGURE 7-15. DPA PLUG AND WIRING DIAGRAM (BEFORE 5/1/00)

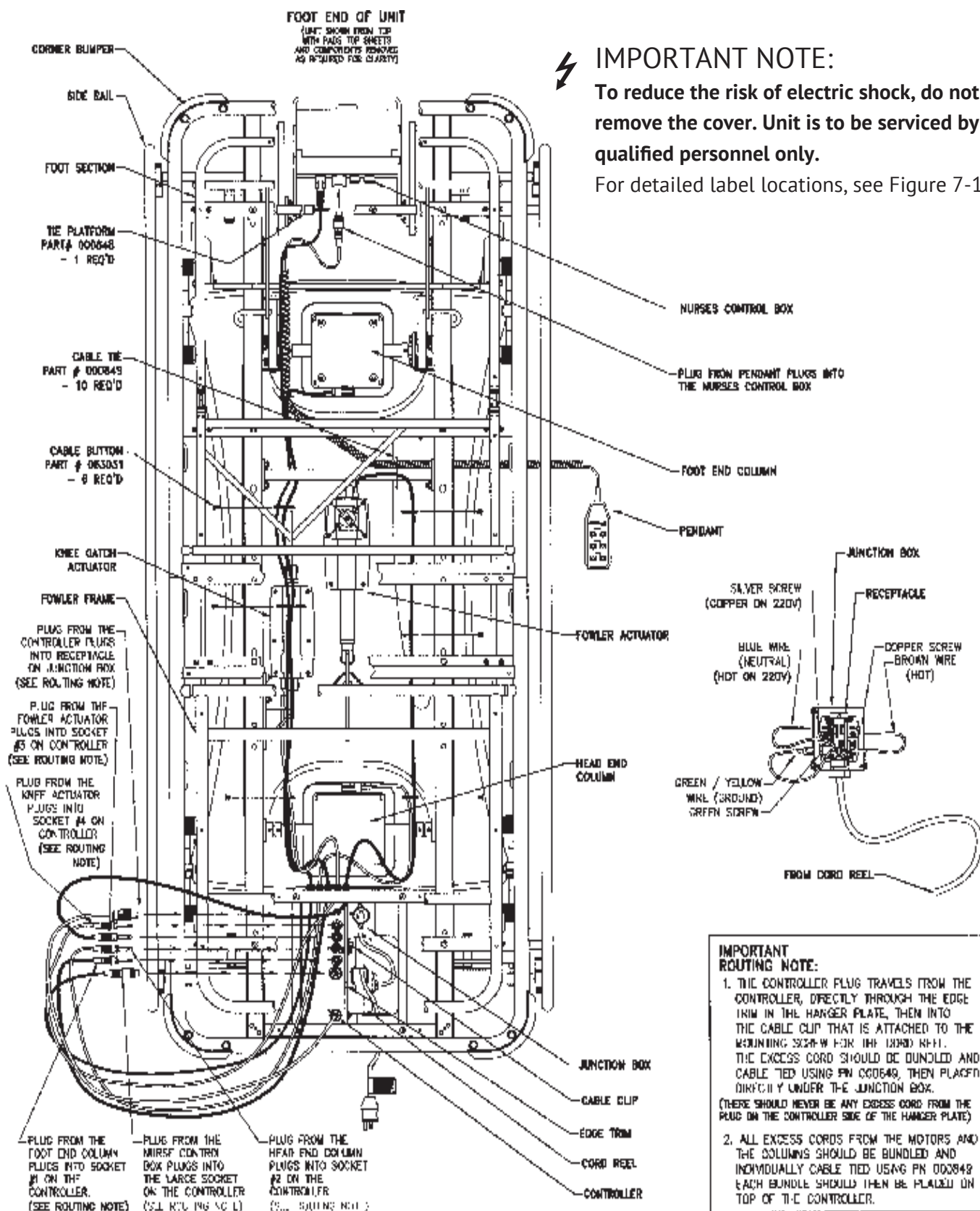


FIGURE 7-15. DPA PLUG AND WIRING DIAGRAM (BEFORE 5/1/00)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-16.4D2/4E2 – DPA LABEL LOCATIONS

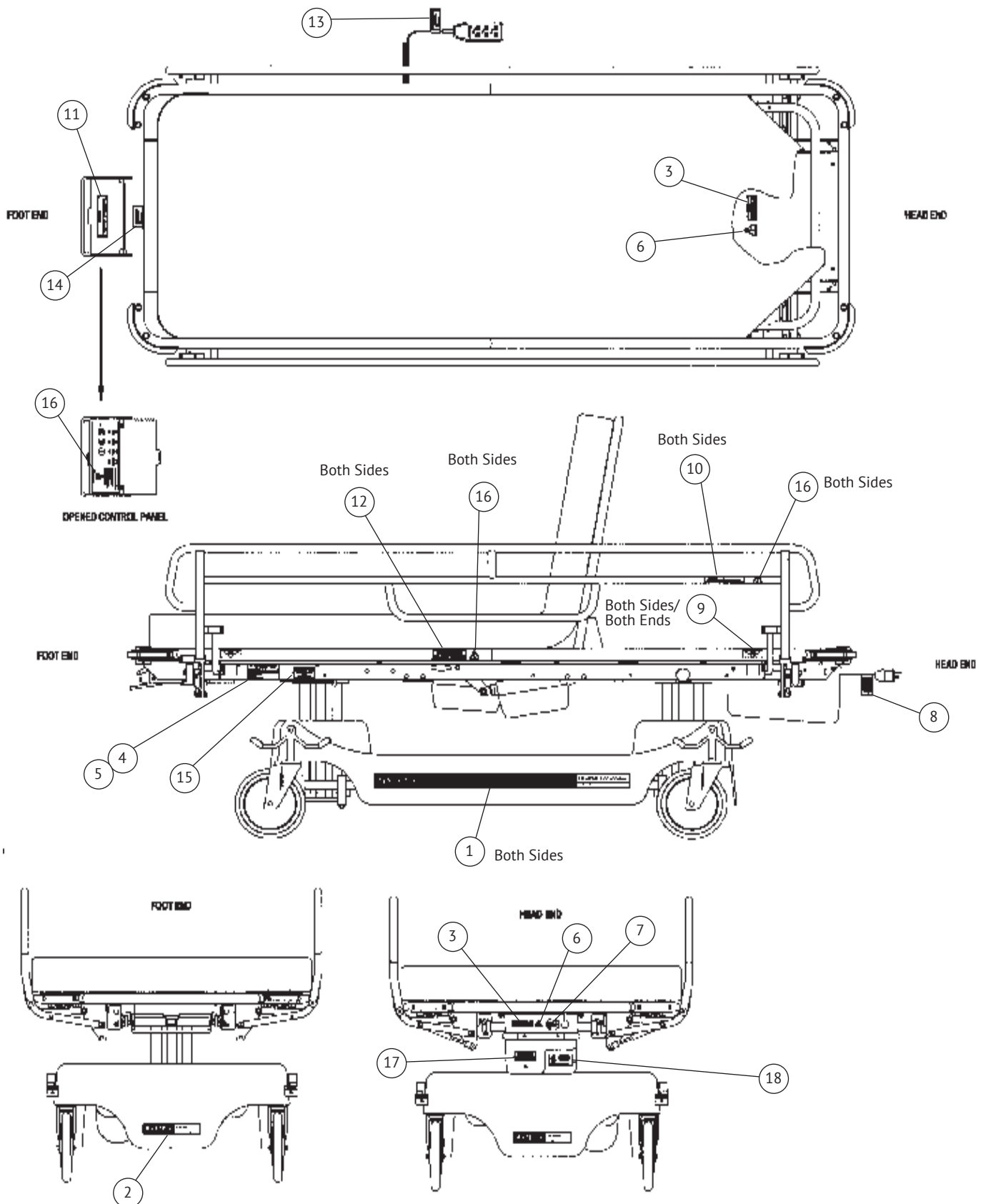


FIGURE 7-16.4D2/4E2 – DPA LABEL LOCATIONS

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-16.4D2/4E2 – DPA LABEL LOCATIONS

Item No.	Part No.	S V C	Description	Units Per Assembly					
			4E2 – DPA LABEL Locations	X					
			4D2 – DPA LABEL Locations		X				
1	075836		LABEL, Side-Electric Stretcher	2	2				
2	075831		LABEL, Base End	2	2				
3	068855		LABEL, Electric Service	2	2				
4	076127		LABEL, Serial Number, 110V Electric	1	–				
	075475		LABEL, Serial Number, 230V Electric	–	1				
5 *	031458		OVERLAY, Clear Mylar	1	1				
6 *	075478		LABEL, Dangerous Voltage	2	2				
7	075484		LABEL, Unplug Before Servicing	1	1				
8	055025		LABEL, Hospital Grade Receptacle	1	–				
9	066716		LABEL, Rail Release	4	4				
10	066717		LABEL, Rail Operation	2	2				
11 *	075035		LABEL, Control Panel	1	1				
12	075040		LABEL, Emergency Release	2	2				
13	075489		LABEL, Pendant	1	1				
14	075589		LABEL, Maximum Weight, 720 pounds	1	1				
15 **	063022		LABEL, Service	1	1				
16 *	075479		LABEL, Hazardous Area	5	5				
17	075748		LABEL, Low Battery	1	1				
18 **	061815		LABEL, ETL Listing	1	–				

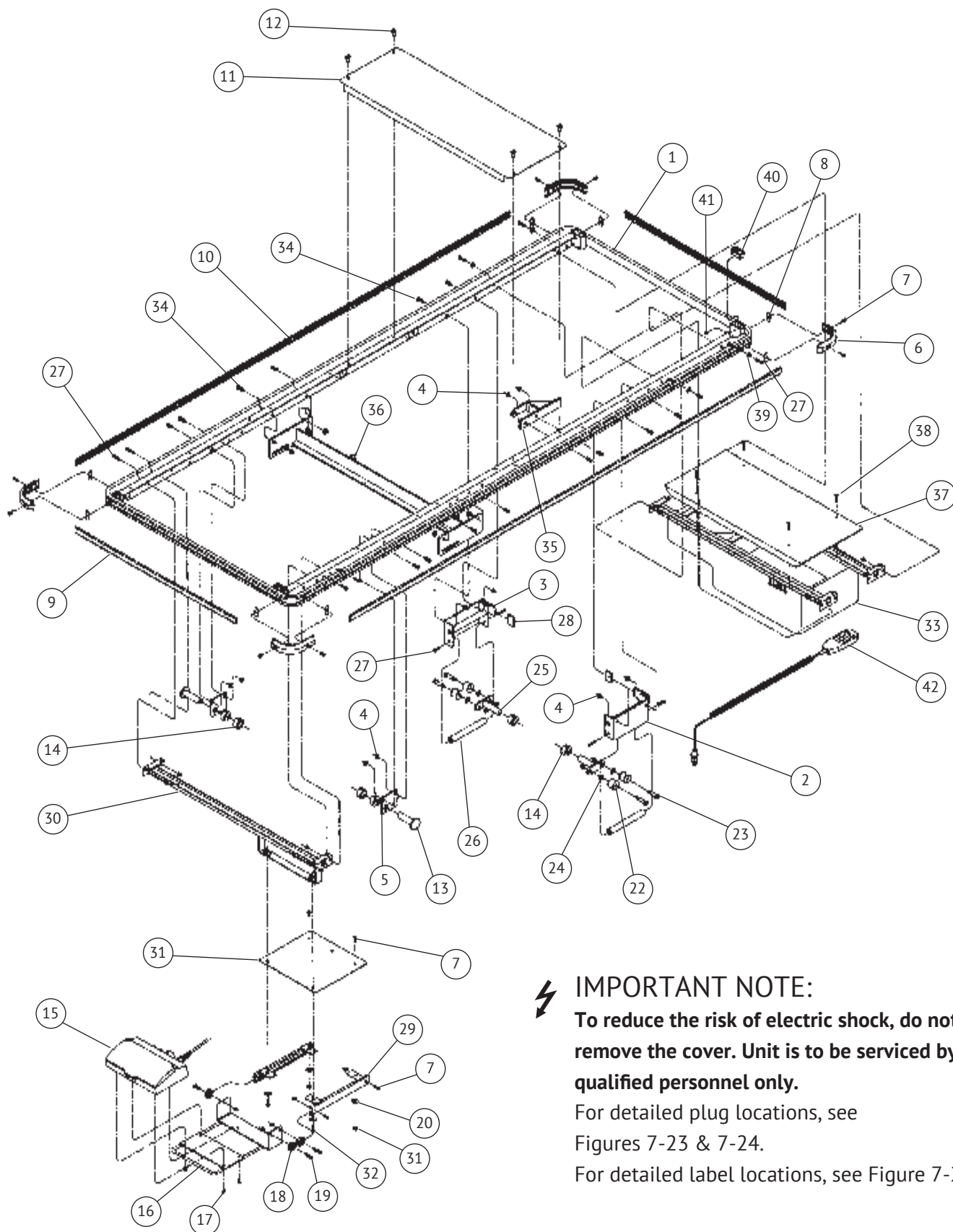
* NO LONGER AVAILABLE ON UNITS AFTER 1/1/14.

** RELOCATED TO SAME LOCATION AS ITEM 4 AFTER 1/1/14.

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-17.4D2/4E2 – HMC TOP ASSEMBLY



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-23 & 7-24.

For detailed label locations, see Figure 7-25.

FIGURE 7-17.4D2/4E2 – HMC TOP ASSEMBLY

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-17.4D2/4E2 – HMC TOP ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
*1	075413		WELDMENT, Top	1					
2	068461		ASSEMBLY, Roller Bracket, Right	1					
3	068536		ASSEMBLY, Roller Bracket, Left	1					
4	031057		NUT, Lock, 5/16-18	18					
5	068481		PLATE, Foot End Support	2					
6	067958		BUMPER, Corner	4					
7	061195		SCREW, Button Head Cap, 1/4-20 x 5/8" Long	12					
8	031455		NUT, Channel, 1/4-20	8					
9	068154		EXTENSION, End Bumper, Gray	2					
10	13193U		EXTENSION, End Bumper, Red	2					
	13193V		EXTENSION, End Bumper, Blue	2					
	13193W		EXTENSION, End Bumper, Green	2					
	067959		EXTENSION, Side Bumper, Gray	2					
*11	067960		EXTENSION, Side Bumper, Red	2					
	067961		EXTENSION, Side Bumper, Blue	2					
	067964		EXTENSION, Side Bumper, Green	2					
	062215		COVER, Seat Section	1					
12	055213		RIVET, 1/4" x 1/2"	4					
13	068493		PLUG, Crosstube	2					
14	068464		COLLAR, Shaft, 3/4"	6					
15	075716		BOX, Nurse Control	1					
16	P75093		ASSEMBLY, Lock Out Slide	1					
17	075036		SCREW, Cheese Head, M5 x .8 x 10 mm Long	4					
18	068663		GLIDE, Plastic	3					
19	066925		SCREW, Flat Head Cap, 1/4-20 x 1.0" Long	3					
20	031364		WASHER, Flat, 1/4"	2					
21	031055		NUT, Lock, 1/4-20	15					
22	068465		ROLLER	4					
23	061157		BOLT, Shoulder, 3/8" x 1.00"	4					
24	035115		WASHER, Nylon 3/8" I.D.	4					
25	068467		BRACKET, Roller Pivot	2					
26	068463		TUBE, Roller Stop	2					
27	031325		SCREW, Button Head Socket, 1/4-20 x 1.00" Long	12					
28	068538		CAP, Fowler Stop	2					
29	P75096		TRACK, Lock Out Support	2					
30	075416		HANGER, Nurse Control	1					
31	P75466		COVER, Nurse Control Top	1					
32	068786		SCREW, Hex Head Cap, 1/4-20 x 5/8" Long	2					
33	075414		ASSEMBLY, Controller, (Before 8/98)	1					
	075712		ASSEMBLY, Controller, 4E2 (8/98–5/00)	1					

RECOMMENDED REPLACEMENT PARTS

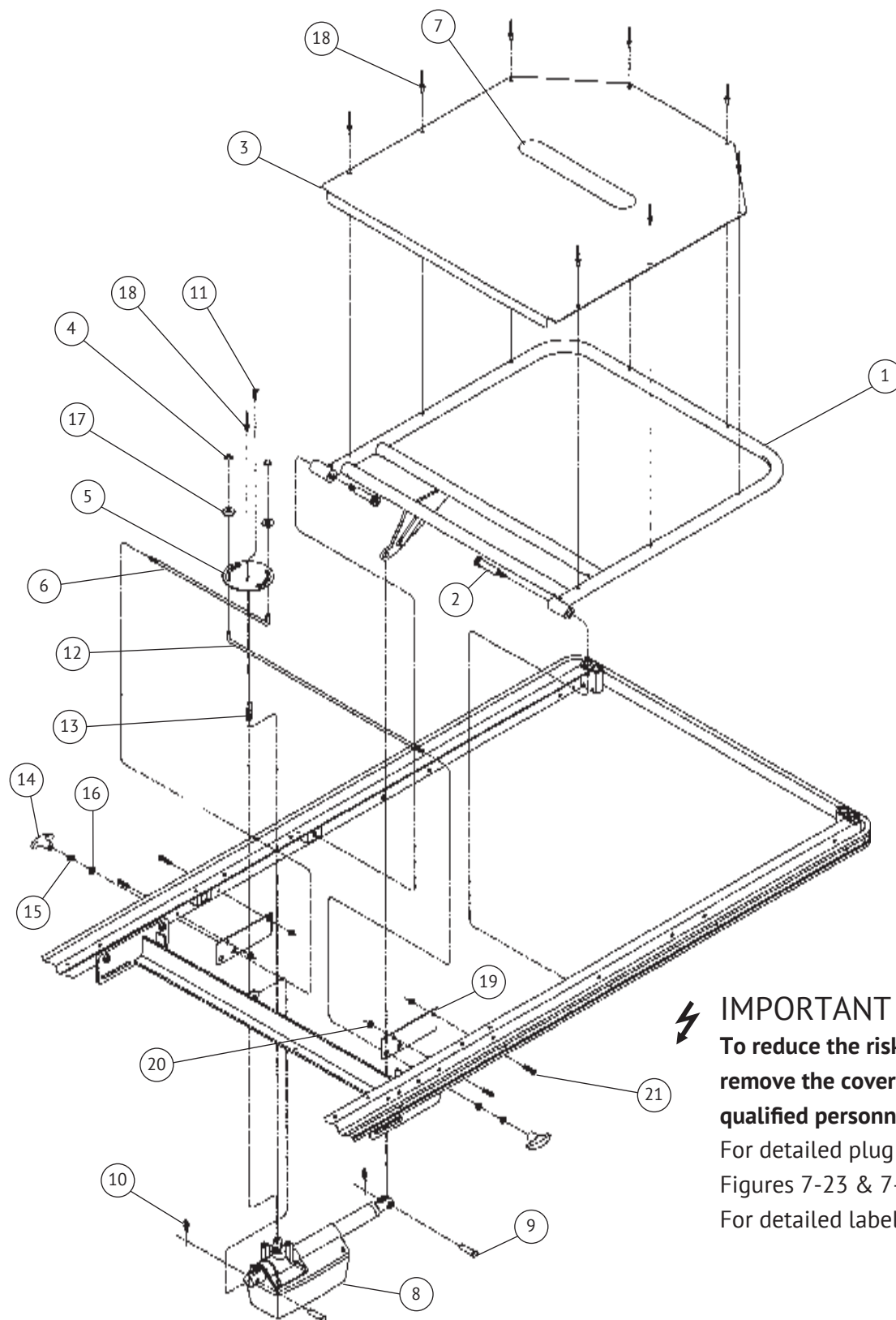
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FIGURE 7-17.4D2/4E2 – HMC TOP ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
	076134		ASSEMBLY, Controller, 4E2 (After 5/00)	1					
	075497		ASSEMBLY, Controller, 4D2, 230 VAC (Before 5/00)	1					
	076183		ASSEMBLY, Controller, 4D2, 230 VAC (After 5/00)	1					
34	067292		SCREW, Button Head Socket, 5/16-18 x 3/4" Long	8					
35	075022		ANCHOR, Knee Actuator	1					
36	065424		ANCHOR, Fowler Actuator	1					
37	075465		COVER, Controller Top	1					
38	031500		SCREW, Truss Head Machine, #10-24 x 1.0" Long	4					
39	031090		WASHER, Internal Tooth Lock, 1/4"	4					
40	075226		CAP, I.V. Well Top	4					
41	075229		CLIP, Nylon Arrow, 1/8"	4					
42	075718		PENDANT, (CB-14 Version)	1					
	068962		PENDANT, (CB-10 Version)	1					

NOTE: The "O" suffix on the part numbers marked with an " * " designate part numbers for the chrome/stainless units (Model 4E2 DPA-SS). For powder coated units (Model 4E2 DPA-PC), the "O" suffix should be replaced with a "P" suffix. (Example: Item 1 for a powder coated unit 4E2 DPA-PC, would become P75413).

FIGURE 7-18. HMC FOWLER ASSEMBLY



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-23 & 7-24.

For detailed label locations, see Figure 7-25.

FIGURE 7-18. HMC FOWLER ASSEMBLY

RECOMMENDED REPLACEMENT PARTS

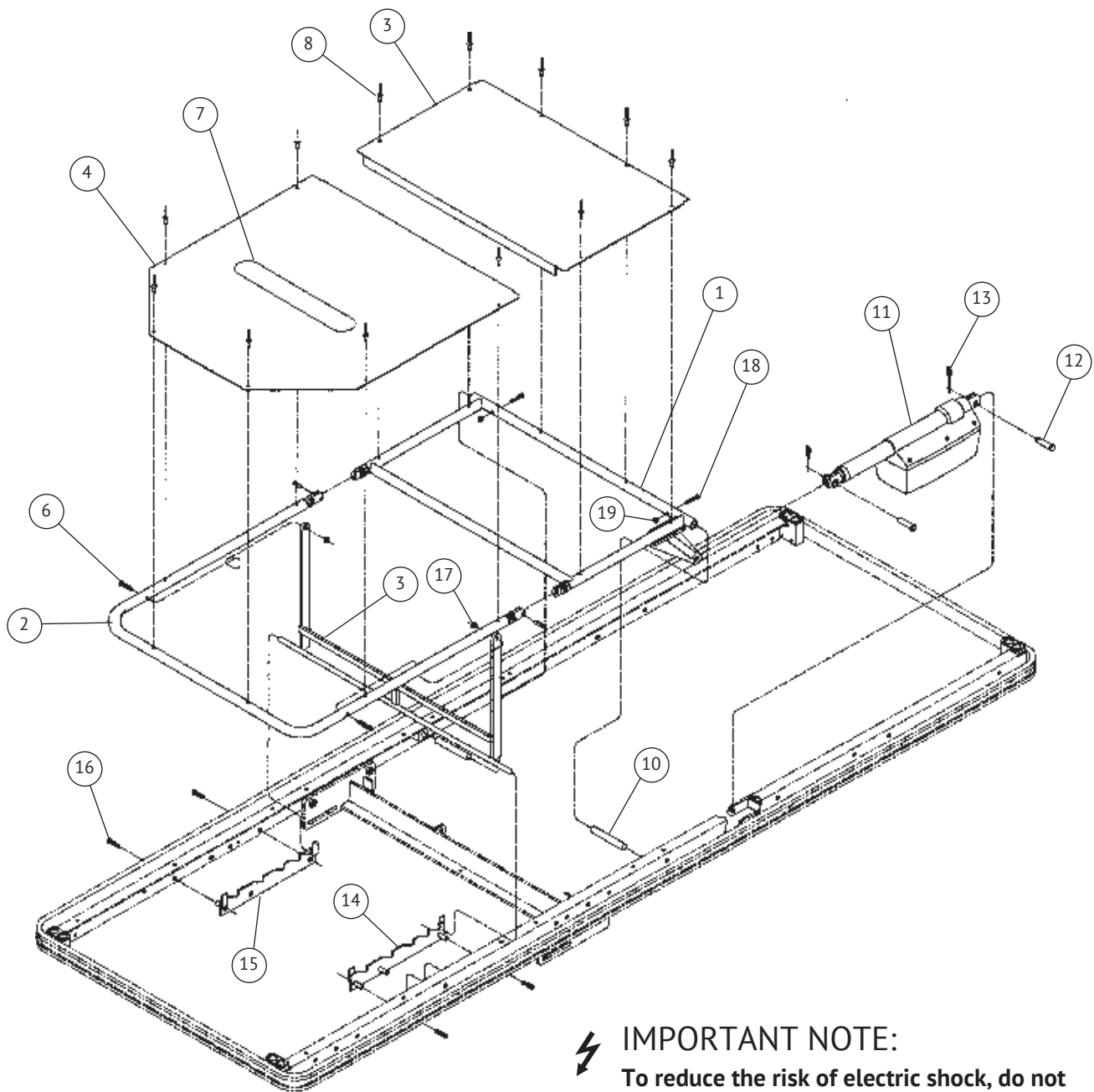
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FIGURE 7-18. HMC FOWLER ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
*1	075425		Fowler Frame-Electric / Wide	1					
2	062037		Shoulder Bolt, 1/2 x 2	2					
*3	065879		Fowler Cover Sheet/Wide	1					
4	075443		NUT, Cap, 1/4"	2					
5	075437		PLATE, Actuator	1					
6	075440		ROD, Quick Drop Release, Short	1					
7	031212		HOOK, Velcro	1					
8	068985		ACTUATOR, Fowler Backrest	1					
9	075627		PIN, Gas Spring Hinge	2					
10	065258		CLIP, Rue 3/8	2					
11	075444		SCREW, Slotted Pan Head, M5 x 20MM	1					
12	075439		ROD, Quick Drop Release, Long	1					
13	075441		SPACER	1					
14	055215		KNOB, Pull	2					
15	031054		NUT, Free Thread, 1/4-20	2					
16	061336		BEARING, Nylon	2					
17	065688		WASHER, Nylon 5/16"	2					
18	000794		RIVET, Pop, Aluminum, 3/16"	9					
19	P75438		PLATE, Quick Drop Support	2					
20	031055		NUT, Lock, 1/4-20	4					
21	031327		SCREW, Button Head Socket, 1/4-20 x 1.0" Long	4					

NOTE: The "O" suffix on the part numbers marked with an "*" designate part numbers for the chrome/stainless units (Model 4E2 DPA-SS). For powder coated units (Model 4E2 DPA-PC), the "O" suffix should be replaced with a "P" suffix. (Example: Item 1 for a powder coated unit 4E2 DPA-PC, would become P75425).

FIGURE 7-19. HMC LEG SECTION ASSEMBLY



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-23 & 7-24.

For detailed label locations, see Figure 7-25.

FIGURE 7-19. HMC LEG SECTION ASSEMBLY

RECOMMENDED REPLACEMENT PARTS

7

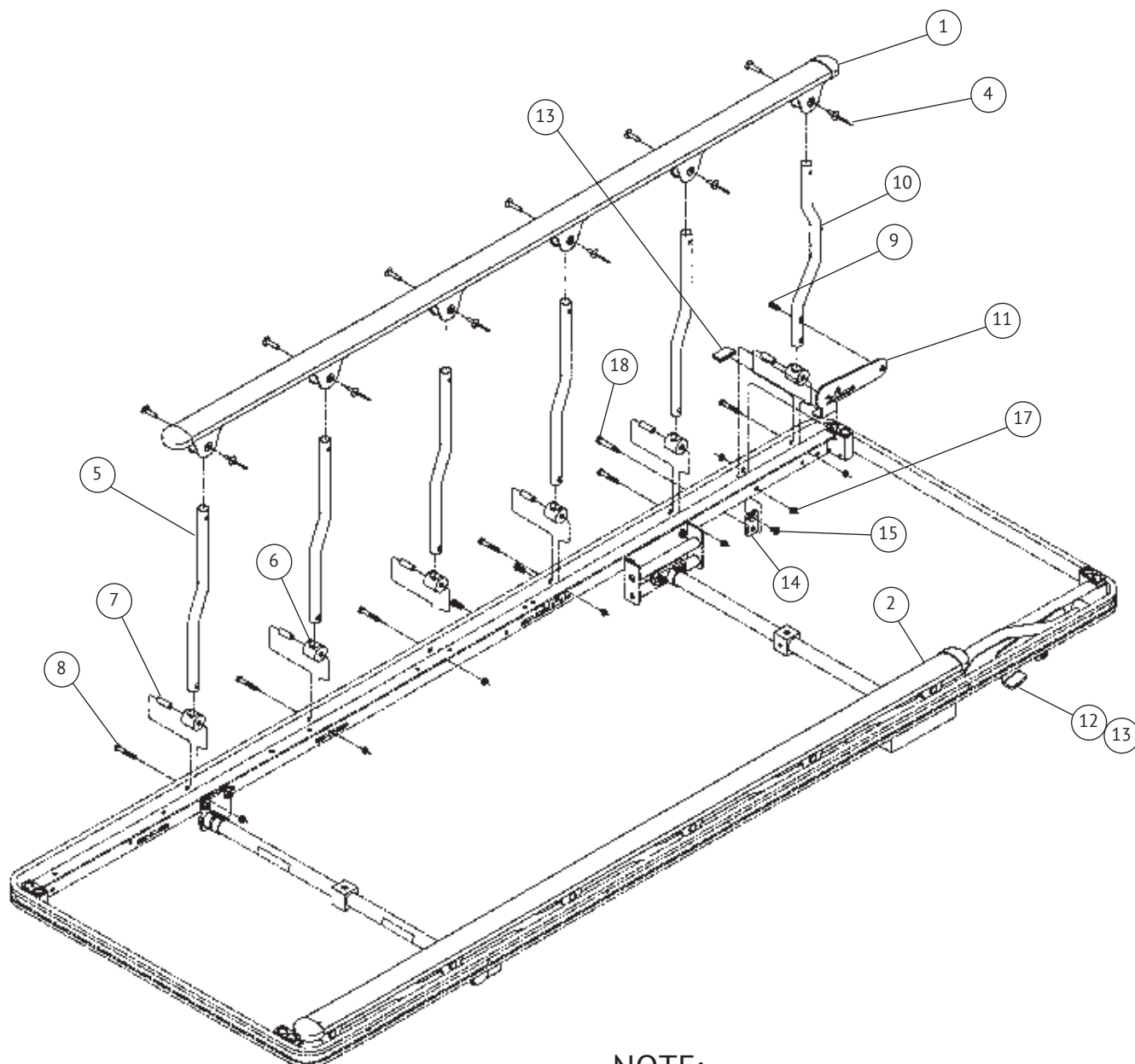
FIGURE 7-19. HMC LEG SECTION ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	P65626		WELDMENT, Knee Frame, Extra Wide	1					
2	P65629		ASSEMBLY, Foot Frame, Extra Wide	1					
3	062254		SUPPORT, Kneeflex Foot, Extra Wide	1					
4	P62261		SHEET, Foot Section Cover , Extra Wide	1					
5	P33050		SHEET, Knee Section Cover, Extra Wide	1					
6	062128		SCREW, Button Head Socket, 1/4-20 x 1-1/4" long	2					
7	031212		HOOK, Velcro	1					
8	000794		RIVET, Cherry, 3/16" x .45"	12					
9	031312		PIN, Spring, 1/4" x 3/4"	2					
10	062209		SHAFT, Cross Bar	2					
11	068986		ACTUATOR, Leg Rest	1					
12	075627		PIN, Gas Spring Hinge	2					
13	065258		CLIP, Rue 3/8	2					
14	065060		PLATE, Ratchet, Right.	1					
15	065061		PLATE, Ratchet, Left.	1					
16	031327		SCREW, Button Head Socket, 1/4-20 x 1.0" Long	4					
17	031055		NUT, Lock, 1/4-20	2					
18	075502		SCREW, Phillips Pan Head, #10-24 x 1-1/8" Long	2					
19	031421		NUT, Lock, #10-24	2					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-20. RETRACTO RAIL ASSEMBLY



NOTE:

Only one side of rail is shown for clarity. The bill of material reflects parts required for a complete unit.

FIGURE 7-20. RETRACTO RAIL ASSEMBLY

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-20. RETRACTO RAIL ASSEMBLY

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	075057		ASSEMBLY, Top Cap, Left	1					
2	075056		ASSEMBLY, Top Cap, Right	1					
3	068886		RIVET, Cherry, Female End	12					
4	068886		RIVET, Cherry, Male End	12					
5	068882		LEG, Offset	10					
6	035137		ROCKER	12					
7	035138		SPACER	12					
8	035122		SCREW, Hex Head Cap, 1/4-20 x 1- 5/8" Long	12					
9	062038		SCREW, Button Head Socket, 1/4-20 x 3/4" Long	2					
10	068833		LEG, Lock	2					
11	065432		PLATE, Lock, Left	1					
12	065433		PLATE, Lock, Right	1					
13	075269		CAP, Red Vinyl	2					
14	068198		SUPPORT, Retracto Rail Plate	2					
15	031325		SCREW, Flat Head Socket, 1/4-20 x 1/2" Long	2					
16	066617		BOLT, Shoulder, 5/16" x 1-1/4" long	2					
17	031055		NUT, Lock, 1/4-20	16					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-21. 4E2/4D2 – HMC CONTROLLER ASSEMBLY
(AFTER 5/1/00)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-23 & 7-24.

For detailed label locations, see Figure 7-25.

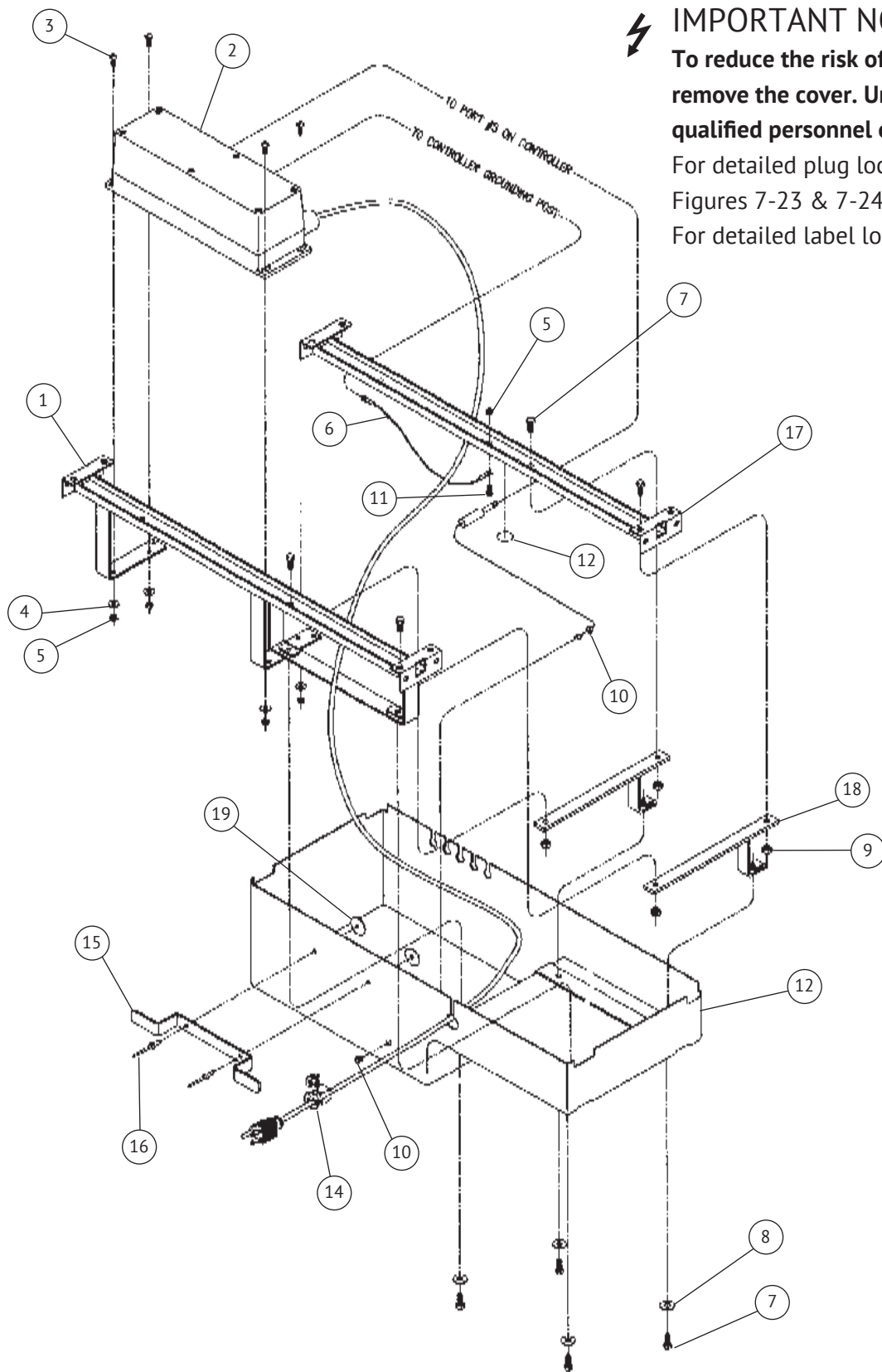


FIGURE 7-21. 4E2/4D2 – HMC CONTROLLER ASSEMBLY (AFTER 5/1/00)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-21. 4E2/4D2 – HMC CONTROLLER ASSEMBLY (AFTER 5/1/00)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	065135		HANGER, Controller, Rear E.W.	1					
2	075044		CONTROLLER, CB -14, 120 VAC, 4E2	1					
	075718		CONTROLLER, CB -14, 230 VAC, 4D2	1					
3	061159		SCREW, Truss Head Machine, #10 24 x 5/8" Long	4					
4	031074		WASHER, Flat, 3/16"	6					
5	031421		NUT, Lock, #10-24	5					
6	076125		WIRE, Controller Ground	1					
7	068786		SCREW, Hex Head Cap, 1/4-20 x 5/8" Long	8					
8	031364		WASHER, Flat, 1/4"	4					
9	031055		NUT, Lock, 1/4-20	4					
10	075749		ASSEMBLY, LED Wire	1					
11	031000		SCREW, Hex Head Cap, #10-24 x 1/2" Long	1					
12	076132		LABEL, Ground Symbol	1					
13	075077		COVER, Controller	1					
14	068982		RELIEF, Strain	1					
15	076123		BRACKET, Cord Wrap	1					
16	000794		RIVET, 3/16"	2					
17	000703		HANGER, Controller, Front E.W.	1					
18	075705		BRACKET, Cord Reel	2					
19	000787		WASHER, 3/16" Large O.D.	2					

FIGURE 7-22. 4E2/4D2 – HMC CONTROLLER ASSEMBLY
(BEFORE 5/1/00)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-23 & 7-24.

For detailed label locations, see Figure 7-25.

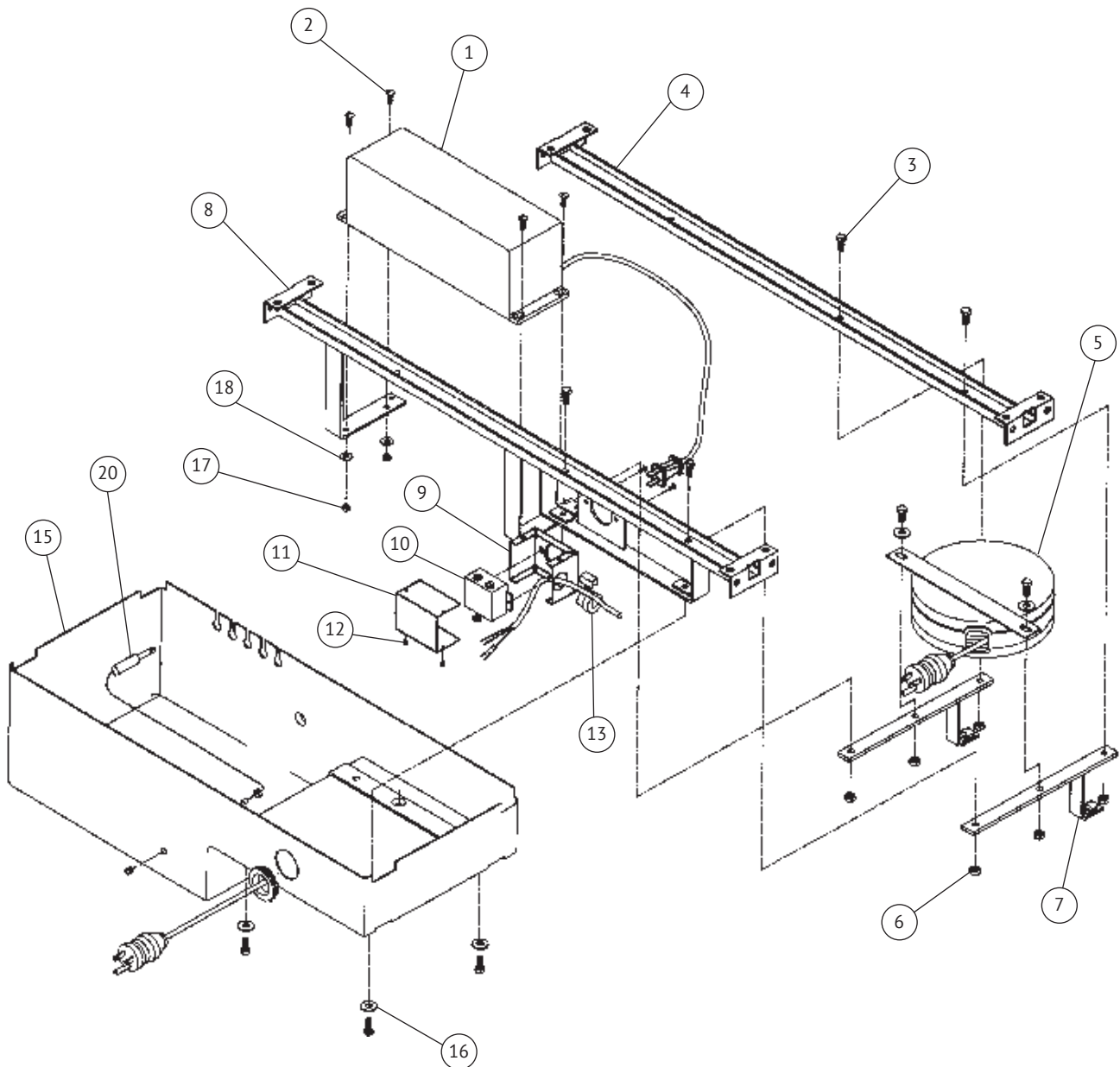


FIGURE 7-22.4E2/4D2 – HMC CONTROLLER ASSEMBLY (BEFORE 5/1/00)

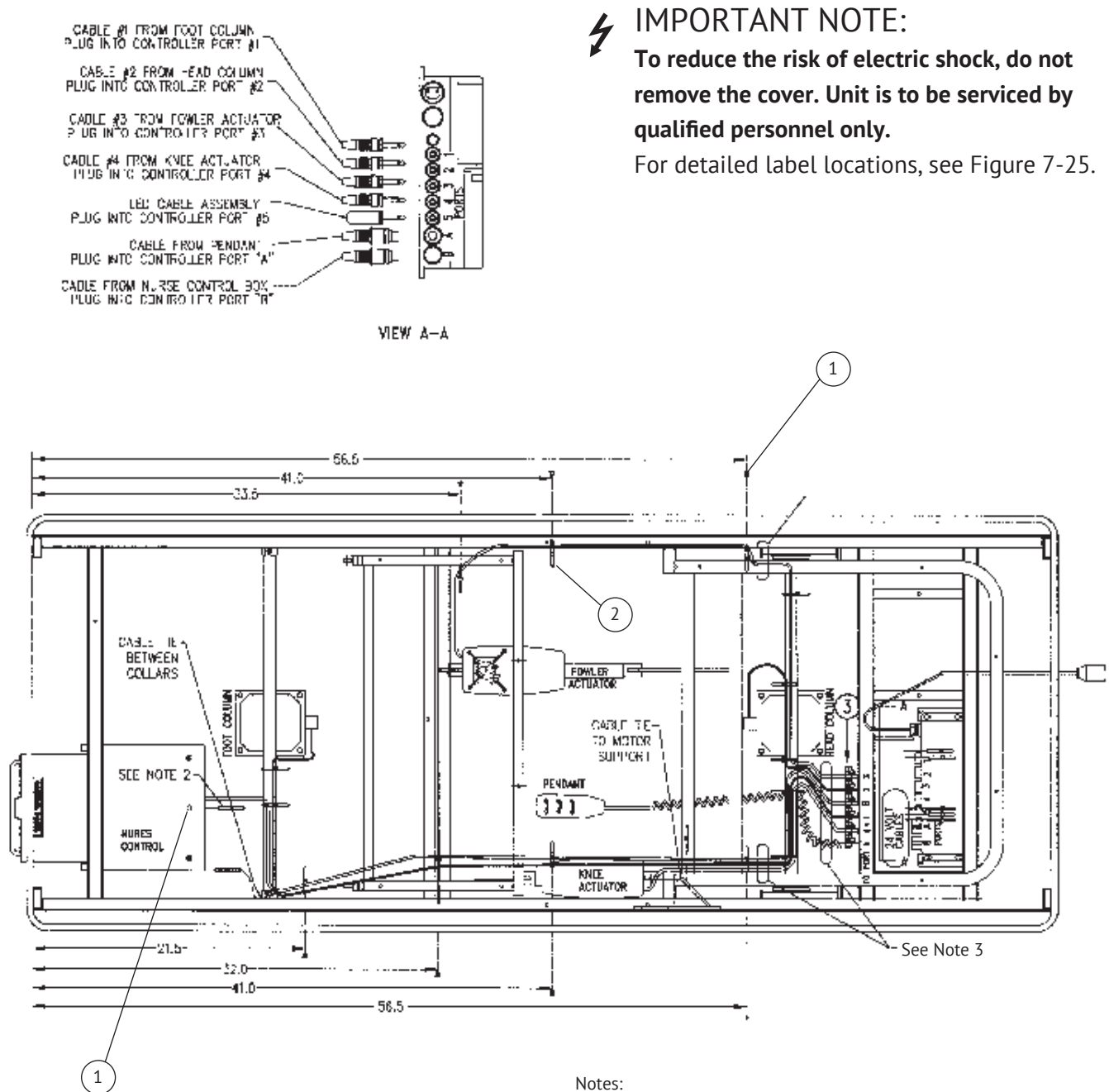
RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-22.4E2/4D2 – HMC CONTROLLER ASSEMBLY (BEFORE 5/1/00)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	068962		CONTROLLER, CB-10, 120 VAC, 4E2	1					
	075044		CONTROLLER, CB-14, 120 VAC, 4E2 (After 5/1/00)	1					
	075467		CONTROLLER, CB-10, 230 VAC, 4D2	1					
	075718		CONTROLLER, CB-14, 230 VAC, 4D2 (After 5/1/00)	1					
2	061159		SCREW, Truss Head Machine, #10 24 x 5/8" Long	4					
3	068786		SCREW, Hex Head Cap, 1/4-20 x 5/8" Long	10					
4	075703		HANGER, Controller, Front XW	1					
5	068966		REEL, Cord Reel	1					
6	031055		NUT, Lock, 1/4-20	6					
7	075705		WELDMENT, Cord Reel Bracket	2					
8	075702		HANGER, Controller, Rear-XW	1					
9	068979		BASE, Junction Box Base	1					
10	068976		RECEPTACLE, Hospital Grade	1					
11	068980		COVER, Junction Box Cover	1					
12	031097		SCREW, Sheet Metal, #6	2					
13	068982		RELIEF, Strain	1					
14			SCREW, #8 32 (Furnished with Receptacle)	2					
15	075077		COVER, Controller Cover	1					
16	031364		WASHER, Flat, 1/4"	6					
17	031421		NUT, Lock, #10-24	4					
18	031074		WASHER, Flat, 3/16"	4					
19	068981		GROMMET	1					
20	075749		ASSEMBLY, Cable LED	1					

FIGURE 7-23. HMC PLUG AND WIRING DIAGRAM (AFTER 5/1/00)



IMPORTANT NOTE:

To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

For detailed label locations, see Figure 7-25.

Notes:

1. Wrap excess cable and tie with cable tie (2) 5 each. Place bundles on top of controller before attaching top cover.
2. Cable tie nurse control cable with enough slack to permit full movement of slide.
3. Allow 1" of slack in cables for Trendelenburg movement on both sides.

FIGURE 7-23. HMC PLUG AND WIRING DIAGRAM (AFTER 5/1/00)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-23. HMC PLUG AND WIRING DIAGRAM (AFTER 5/1/00)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	068864		RELIEF, Strain	6					
2	065403		TIE, Cable, (Large)	20					
3	063031		BUTTON	7					

RECOMMENDED REPLACEMENT PARTS

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FIGURE 7-24. HMC PLUG AND WIRING DIAGRAM (BEFORE 5/1/00)

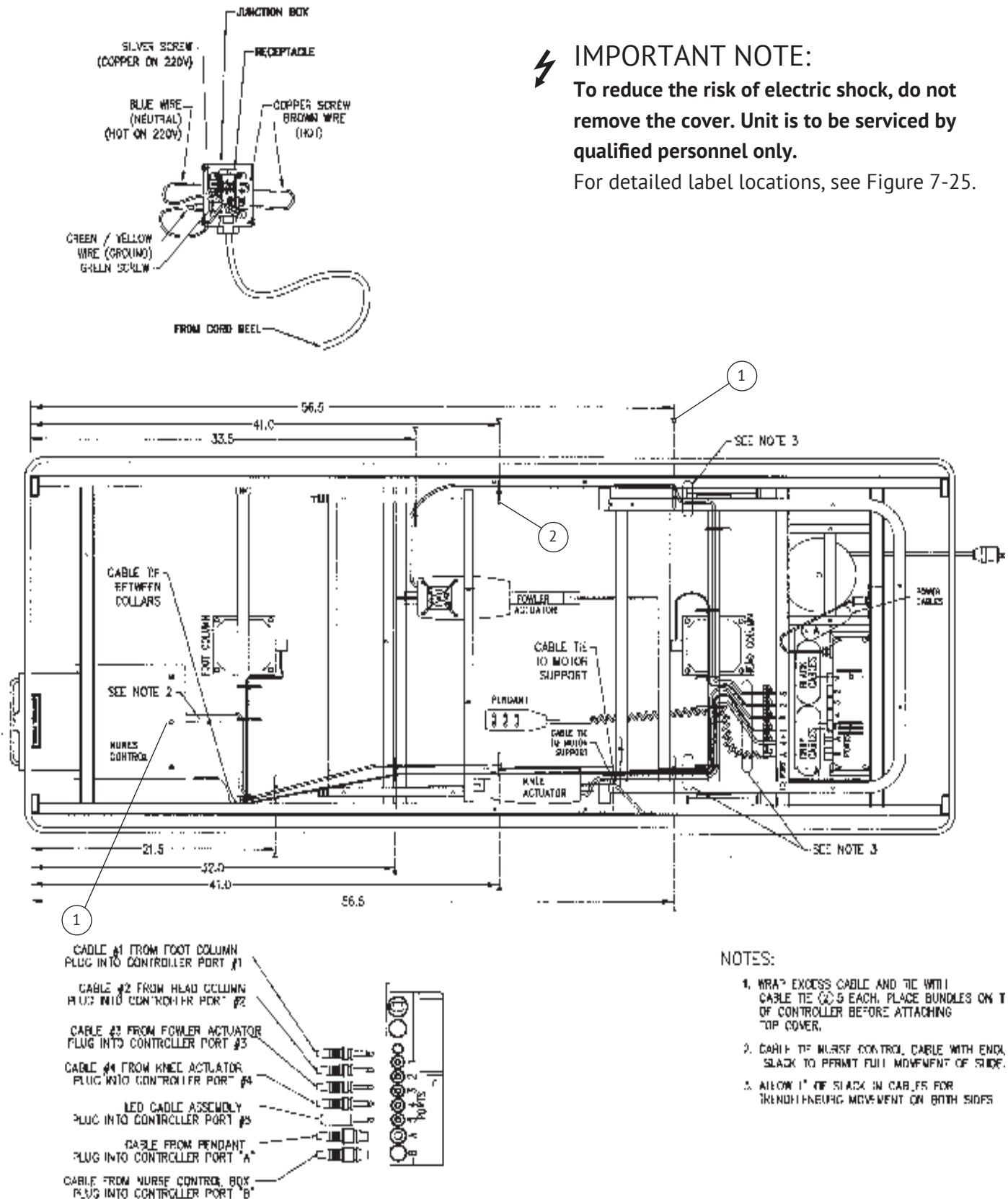


FIGURE 7-24. HMC PLUG AND WIRING DIAGRAM (BEFORE 5/1/00)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-24. HMC PLUG AND WIRING DIAGRAM (BEFORE 5/1/00)

Item No.	Part No.	S V C	Description	Units Per Assembly					
1	063031		BUTTON	7					
2	065403		TIE, Cable, (Large)	20					
3	068864		RELIEF, Strain	6					

RECOMMENDED REPLACEMENT PARTS

FIGURE 7-25.4E2/4D2 – HMC LABEL LOCATIONS

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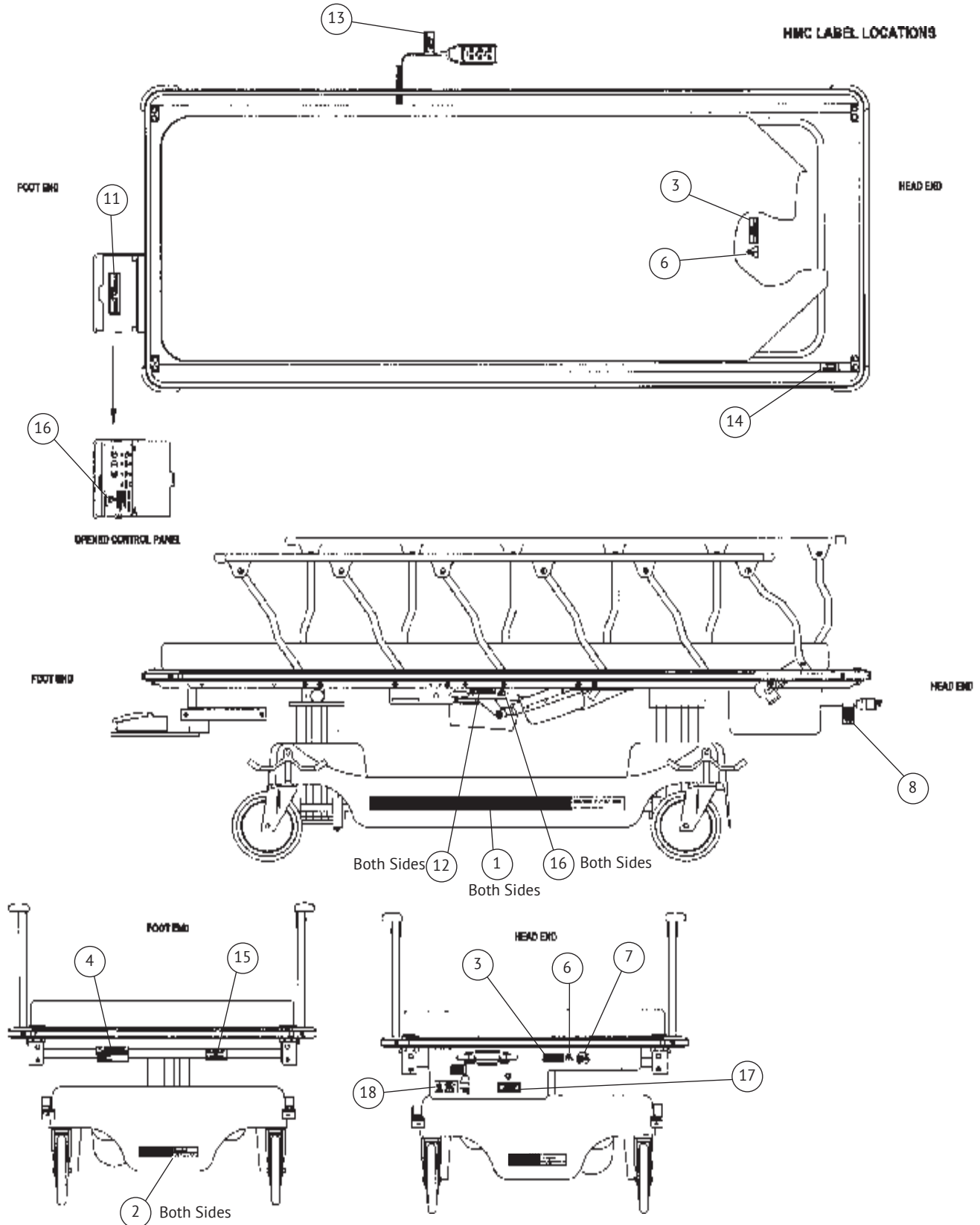


FIGURE 7-25.4E2/4D2 – HMC LABEL LOCATIONS

RECOMMENDED REPLACEMENT PARTS

7

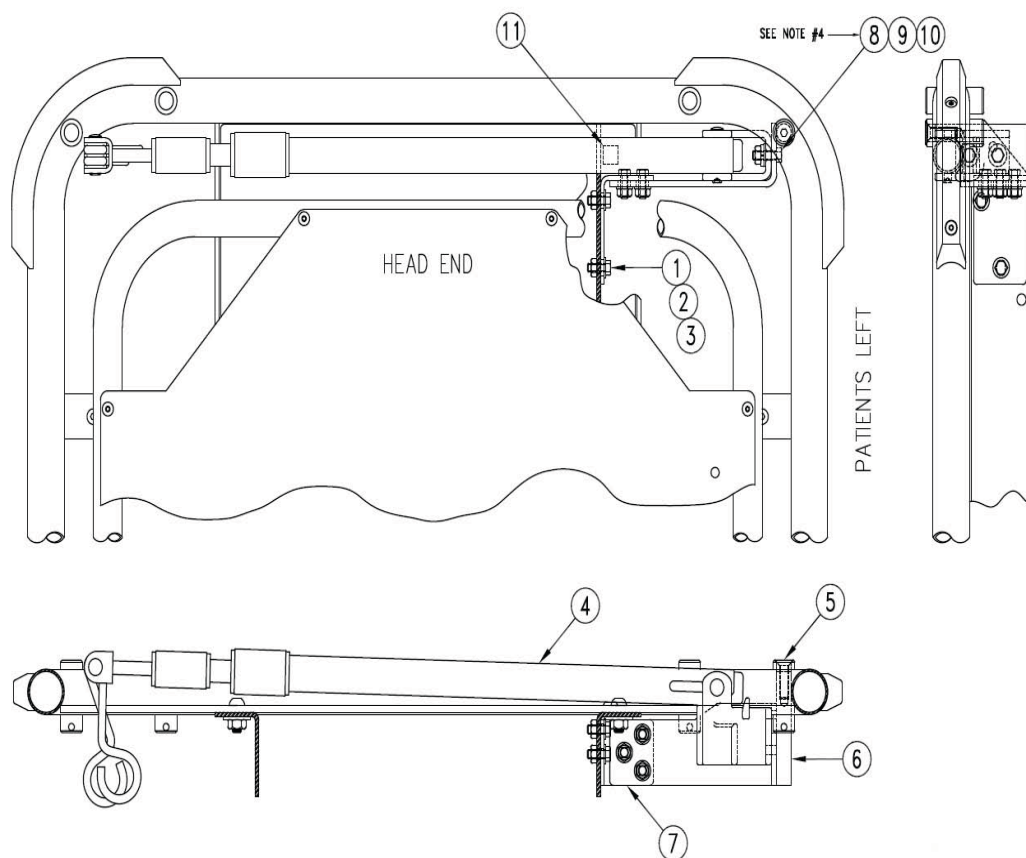
FIGURE 7-25. 4E2/4D2 – HMC LABEL LOCATIONS

Item No.	Part No.	S V C	Description	Units Per Assembly					
			4E2 – HMC label Locations	X					
			4D2 – HMC label Locations		X				
1	075836		LABEL, Side-Electric Stretcher	2	2				
2	075831		LABEL, Base End	2	2				
3	068855		LABEL, Electric Service	2	2				
4	076127		LABEL, Serial Number, 110V Electric	1	–				
	075475		LABEL, Serial Number, 230V Electric	–	1				
5	031458		OVERLAY, Clear Mylar	1	1				
6	075478		LABEL, Dangerous Voltage	2	2				
7	075484		LABEL, Unplug Before Servicing	1	1				
8	055025		LABEL, Hospital Grade Receptacle	1	–				
9	066716		LABEL, Rail Release	4	4				
10	066717		LABEL, Rail Operation	2	2				
11	075035		LABEL, Control Pane	1	1				
12	075040		LABEL, Emergency Release	2	2				
13	075489		LABEL, Pendant	1	1				
14	075589		LABEL, Maximum Weight, 720 Lbs.	1	1				
15	063022		LABEL, Service	1	1				
16	075479		LABEL, Hazardous Area	5	5				
17	075748		LABEL, Low Battery	1	1				
18	061815		LABEL, ETL Listing	1	–				

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-26. I.V. ROD ASSEMBLY (AFTER 1/15/03)



ACCESSORY NUMBER:
141210-486

NOTE: I.V.Rod is shown mounted on patient's left, which is standard. The I.V. rod can be mounted on the patient's right by bolting to the other side angle using Item 13 in place of Item 8 and Item 14 in place of Item 9.

FIGURE 7-26. I.V. ROD ASSEMBLY (AFTER 1/15/03)

RECOMMENDED REPLACEMENT PARTS

FIGURE 7-26. I.V. ROD ASSEMBLY (AFTER 1/15/03)

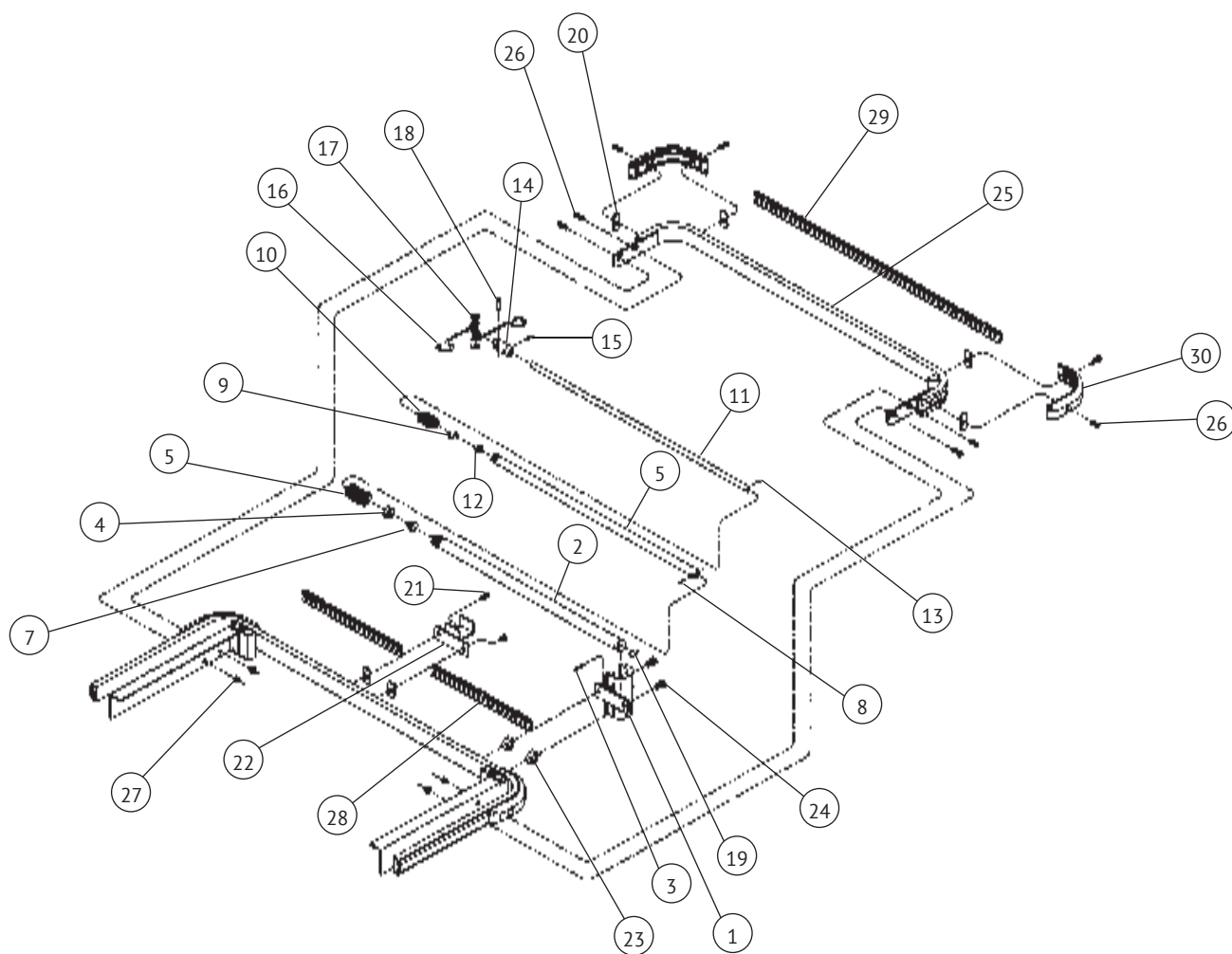
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Item No.	Part No.	S V C	Description	Units Per Assembly				
	141210486		I.V. Rod ASSEMBLY, Airglide Rail Top, (After 10/1/98)	X				
1	031055		NUT, Lock, 1/4 -20	7				
2	134469475		ASSEMBLY, Twist Style I.V. Rod	1				
3	031137		SCREW, Hex Head Cap, 1/4 -20 x 3/4" Long	2				
4	031364		WASHER, Flat, 1/4"	2				
5	030923		WASHER, Lock, 3/8"	2				
6	075570		WELDMENT, I.V. Rod Mounting Bracket, Right	1				
7	075573		BRACKET, I.V. Rod Attachment-Right	1				
8	031076		WASHER, Flat, 5/16"	5				
9	031033		SCREW, Flat Socket Head Cap, 5/16 -18 x 1.0" Long	1				
10	061592		GROMMET, Self Adhesive	1				
11	068786		SCREW, Hex Head Cap, 1/4"-20 x 5/8" Long	5				
12	075575		WELDMENT, , I.V. Rod Mounting Bracket, Left	-				
13	075576		BRACKET, I.V. Rod Attachment, Left	-				

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-27. HMC I.V. ROD ASSEMBLY (BEFORE 10/1/98)



3 section mounted I.V. rod assemblies

FIGURE 7-27. HMC I.V. ROD ASSEMBLY (BEFORE 10/1/98)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-27. HMC I.V. ROD ASSEMBLY (BEFORE 10/1/98)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	066021		HMC I.V. Rod ASSEMBLY (Before 10/1/98)	X					
1	066002		ASSEMBLY, Hinge	1					
2	066012		TUBE, Outside	1					
3	031438		PIN, Spring, 3/16" x 1-1/4"	1					
4	066014		BUSHING, Large Screw Collar Squeeze	1					
5	066013		COLLAR, Large Screw	1					
6	066016		TUBE, Large Slide	1					
7	066015		GLIDE, Outside Cap	1					
8	031314		PIN, Spring, 3/16" x 3/4"	1					
9	030209		BUSHING, Screw Collar Squeeze	1					
10	030207		Screw Collar	1					
11	066017		TUBE, Small Slide	1					
12	030176		GLIDE, Inside Cap	1					
13	065605		PIN, Spring, 1/8" x 1/2"	1					
14	062328		CAP, Top Ear	1					
15	031110		PIN, Spring, 3/16" x 7/8"	1					
16	062326		HOOK, Bag	2					
17	031100		5/16 ID x 3/4 OD WASHER, Nylon	3					
18	062329		RIVET, Tubular Rivet	1					
19	066734		SPACER, Pin Spacer	1					
20	031455		NUT, Weldment, 1/4-20	6					
21	031325		SCREW, Button Head Cap, 1/4-20 x 1/2" Long	2					
22	066006		ASSEMBLY, I.V. Rod Stop	1					
23	066018		NUT, Channel, 5/16-28	2					
24	066022		SCREW, Hex Head Cap, 5/16-28 x 1/2" Long	2					
25	066023	*	WELDMENT, Bumper Guard	1					
26	061195		SCREW, Button Head Socket, 1/4-20 x 5/8" Long	8					
27	031055		NUT, Lock, 1/4-20	4					
28	068152		EXTRUSION, Short Bumper, Gray	2					
29	13193D		EXTRUSION, Short Bumper, Red	2					
	13193H		EXTRUSION, Short Bumper, Blue	2					
	13193X		EXTRUSION, Short Bumper, Green	2					
	068153		EXTRUSION, Long Bumper, Gray	1					
30	13193R		EXTRUSION, Long Bumper, Red	1					
	13193S		EXTRUSION, Long Bumper, Blue	1					
	13193T		EXTRUSION, Long Bumper, Green	1					
	067958		BUMPER, Corner	2					

NOTE: The "O" suffix on the part numbers marked with an "*" designate part numbers for the chrome/stainless units (Model 4E2 DPA-SS). For powder coated units (Model 4E2 DPA-PC), the "O" suffix should be replaced with a "P" suffix. (Example: Item 25 for a powder coated unit 4E2 DPA-PC, would become P66023).

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-28. DPA I.V. ROD ASSEMBLY (BEFORE 10/1/98)

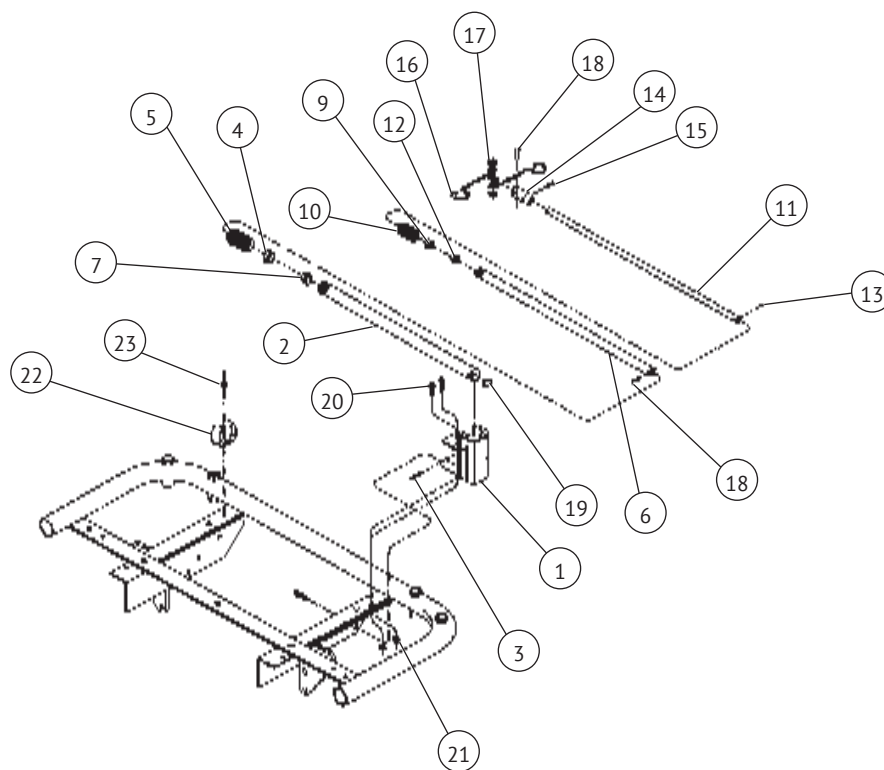


FIGURE 7-28. DPA I.V. ROD ASSEMBLY (BEFORE 10/1/98)

RECOMMENDED REPLACEMENT PARTS

7

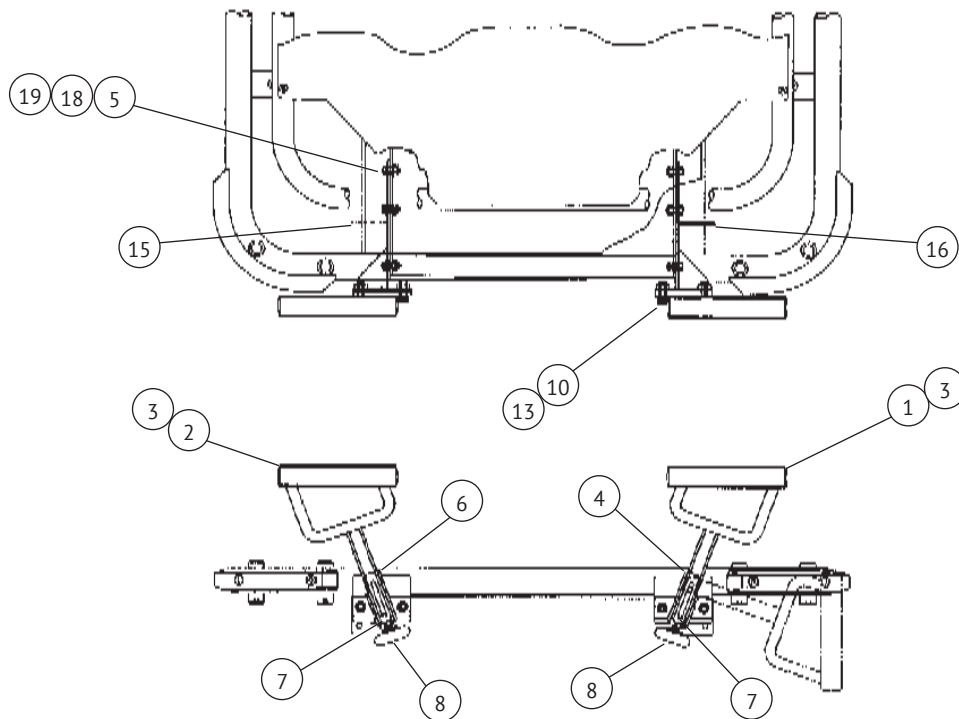
FIGURE 7-28. DPA I.V. ROD ASSEMBLY (BEFORE 10/1/98)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	066725		DPA I.V. Rod ASSEMBLY (Before 10/1/98)	X					
1	066727		ASSEMBLY, I.V. Rod Support and Mount	1					
2	066731		TUBE, Short Outside	1					
3	031438		PIN, Spring, 3/16" x 1-1/4"	1					
4	066014		BUSHING, Large Screw Collar Squeeze	1					
5	066013		COLLAR, Large Screw	1					
6	066732		TUBE, Short Slide	1					
7	066015		GLIDE, Outside Cap	1					
8	031314		PIN, Spring, 3/16" x 3/4"	1					
9	030209		BUSHING, Screw Collar Squeeze	1					
10	030207		COLLAR, Screw	1					
11	066733		TUBE, Short Inside	1					
12	030176		GLIDE, Inside Cap	1					
13	065605		PIN, Spring, 1/8" x 1/2"	1					
14	062328		CAP, Top Ear	1					
15	031110		PIN, Spring, 3/16" x 7/8"	1					
16	062327		HOOK, Bag	2					
17	031100		WASHER, Nylon, 5/16" I.D. x 3/4" O.D.	3					
18	062329		RIVET, Tubular	1					
19	066734		SPACER, I.V. Rod Pin	1					
20	062038		SCREW, Button Head Socket, 1/4-20 x 3/4" long	3					
21	031055		NUT, Lock, 1/4-20	2					
22	062008		CLIP, Broom	1					
23	000794		RIVET, Pop, 3/16" x 1/2"	1					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-29. PUSH BAR ASSEMBLY (AFTER 6/1/99)



Accessory Number: 075665-00 Push Handles – Airslide Tops

Accessory Number: 075656-00 Push Handles – Retracto Rail Tops

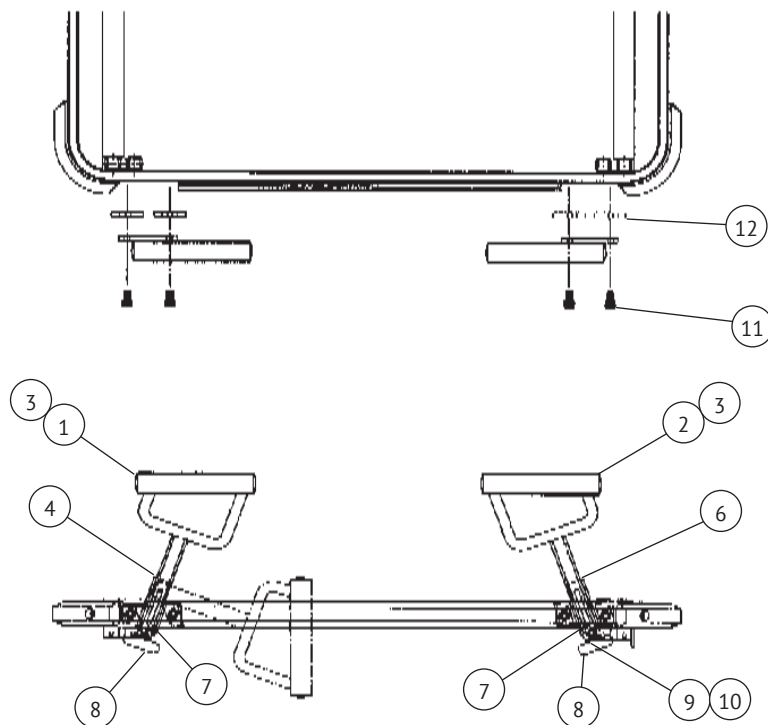


FIGURE 7-29. PUSH BAR ASSEMBLY (AFTER 6/1/99)

RECOMMENDED REPLACEMENT PARTS

FIGURE 7-29. PUSH BAR ASSEMBLY (AFTER 6/1/99)

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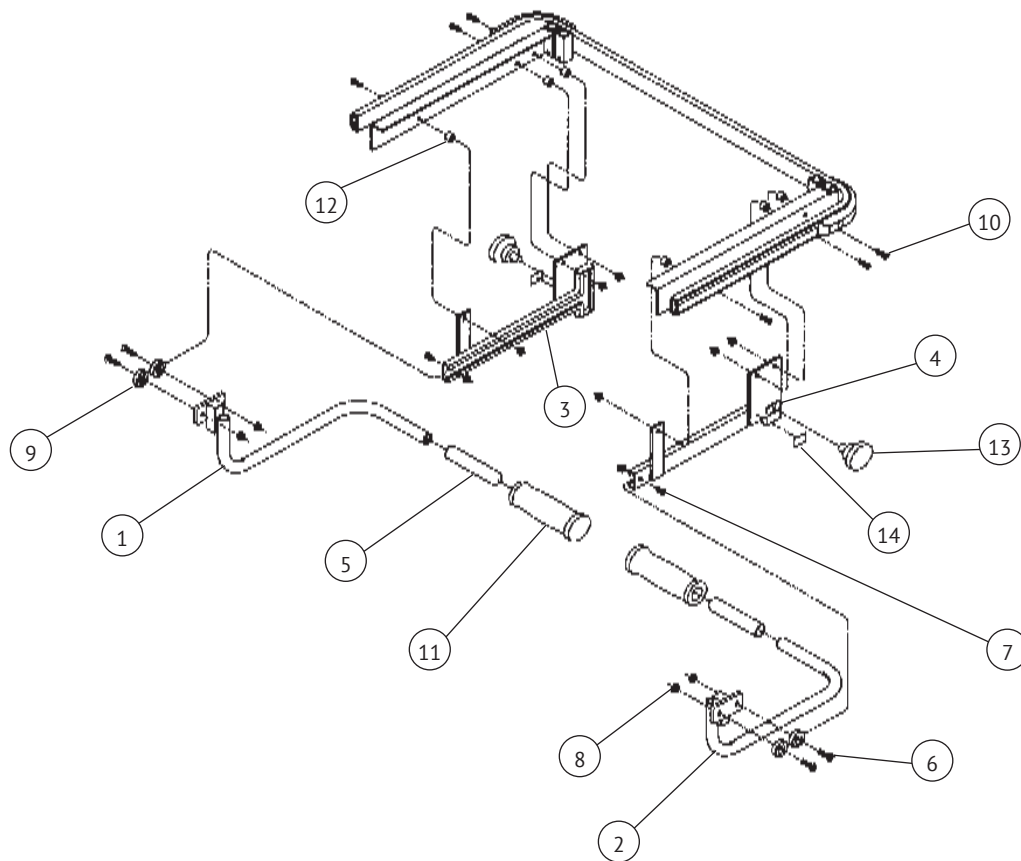
Item No.	Part No.	S V C	Description	Units Per Assembly					
	075665	00	Push Bar ASSEMBLY, Airglide Rail top (After 6/1/99)	X					
	075656	00	Push Bar ASSEMBLY, Retracto Rail top (After 6/1/99)		X				
1	065631		ASSEMBLY, Push Handle A	1	1				
2	075642		ASSEMBLY, Push Handle B	1	1				
3	075637		• WELDMENT, Push Handle	1	1				
4	075633		• BRACKET, Hinge, A	1	1				
5	031076		• WASHER, Flat, USS, 1/4"	8	–				
6	075734		• BRACKET, Hinge, B	1	1				
7	031118		• PIN, Spring, 3/16" x 1"	1	1				
8	075643		• BUMPER, 1-3/4 Diameter	1	1				
9	031364		• WASHER, Flat, 1/4"	2	1				
10	031055		• NUT, Lock, 1/4-20	1	1				
11	075657		SCREW, Socket Head Cap, 5/16-18 x 1/2" Long	4	1				
12	066018		NUT, Channel, 5/16-18	4	1				
13	035192		SCREW, Socket Head Cap, 5/16-18 X 3/4" Long	4	1				
14	031956		NUT, Lock, 15/16"	4	1				
15	P75646		WELDMENT, Bracket A	1	1				
16	P75651		WELDMENT, Bracket B	1	1				
17	P75652		BARS, Connecting Bar Push, E.W.	1	1				
18	068786		SCREW, Hex Head Cap, 1/4-20 x 5/8" Long	8	1				

NOTE: Items 3-10 are included in Items 1 and 2.

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-30. HMC PUSH BAR ASSEMBLY (BEFORE 6/1/99)



NOTE:

1. Apply petroleum lubricant to the inside of the channels.
2. Apply lacquer to the inside of Items 5 & 11.

FIGURE 7-30. HMC PUSH BAR ASSEMBLY (BEFORE 6/1/99)

RECOMMENDED REPLACEMENT PARTS

7

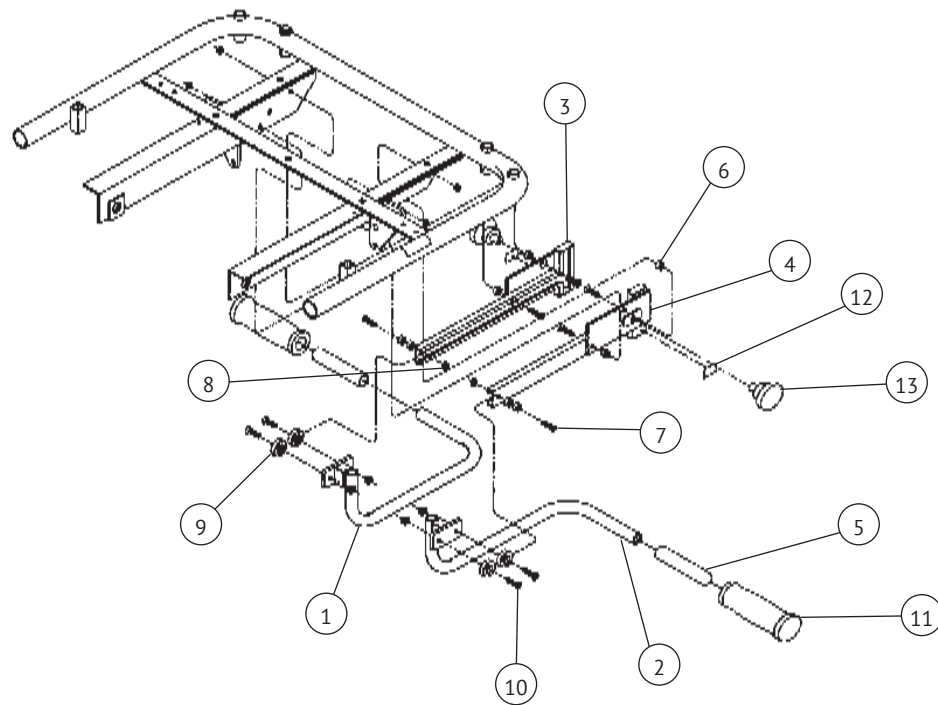
FIGURE 7-30. HMC PUSH BAR ASSEMBLY (BEFORE 6/1/99)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	068826		HMC Push Bar ASSEMBLY (Before 6/1/99)	X					
1	068828		WELDMENT, Push Handle, Left	1					
2	068827		WELDMENT, Push Handle, Right	1					
3	068831		CHANNEL, Push Handle, Left	1					
4	068839		CHANNEL, Push Handle, Right	1					
5	067144		GRIP, Push Bar Hand	2					
6	066825		SCREW, Flat Head Cap, 1/4-20 x 1.0" Long	4					
7	031327		SCREW, Button Head Socket, 1/4-20 x 1/2" Long	2					
8	031055		NUT, Lock, 1/4 "	12					
9	068663		GLIDE, Push Bar	4					
10	062038		SCREW, Button Head Socket, 1/4-20 x 3/4" long	6					
11	068936		GRIP, Push Handle Comfort	2					
12	066237		SPACER	6					
13	068879		LABEL, Lock	2					
14	068878		KNOB, Thread, 1/4-20 x 1.0" Long	2					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-31. DPA PUSH BAR ASSEMBLY (BEFORE 6/1/99)



NOTE:

1. Apply petroleum lubricant to the inside of the channels.
2. Apply lacquer to the inside of Items 5 & 11.

FIGURE 7-31. DPA PUSH BAR ASSEMBLY (BEFORE 6/1/99)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-31. DPA PUSH BAR ASSEMBLY (BEFORE 6/1/99)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	068699		DPA Push Bar ASSEMBLY (Before 6/1/99)	X					
1	068657		WELDMENT, Push Bar Handle, Left	1					
2	068661		WELDMENT, Push Bar Handle, Right	1					
3	068648		WELDMENT, Push Bar Channel, Left	1					
4	068647		WELDMENT, Push Bar Channel, Right	1					
5	067144		GRIP, Push Bar Hand	2					
6	066649		BUSHING, Link	8					
7	031327		SCREW, Button Head Socket, 1/4-20 x 1.0" Long	2					
8	031055		NUT, Lock, 1/4-20	12					
9	068663		GLIDE, Push Bar	4					
10	066925		SCREW, Flat Head Cap, 1/4-20 x 1.0" Long	8					
11	068936		GRIP, Push Handle Comfort	2					
12	068879		LABEL, Lock	2					
13	068878		KNOB, Thread, 1/4-20 x 1.0"	2					
14	068878		KNOB, Thread, 1/4-20 x 1.0" Long	2					

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (PART 1 OF 3) (AFTER 1/1/14)

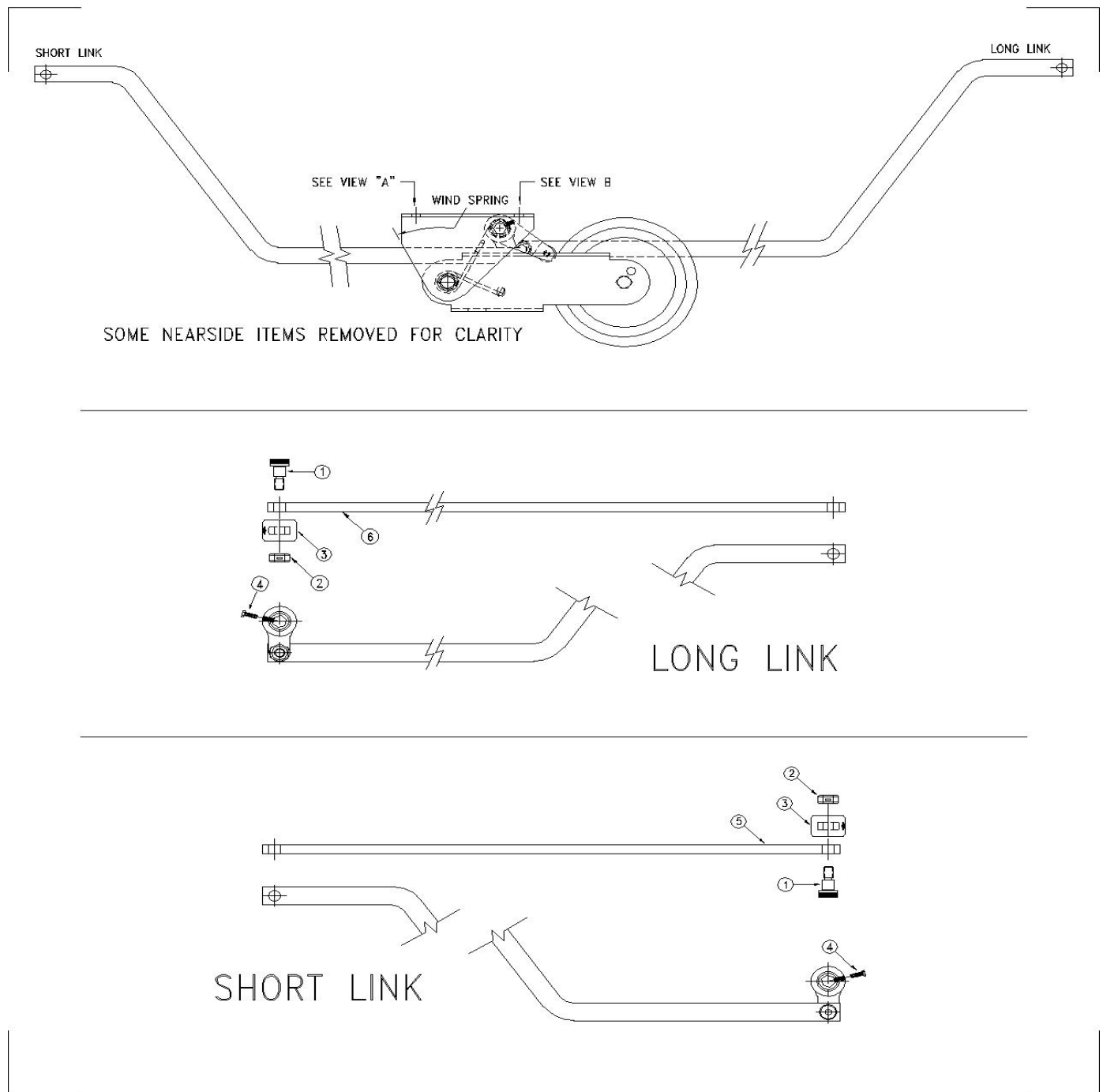


FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (PART 1 OF 3) (AFTER 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (PART 2 OF 3) (AFTER 1/1/14)

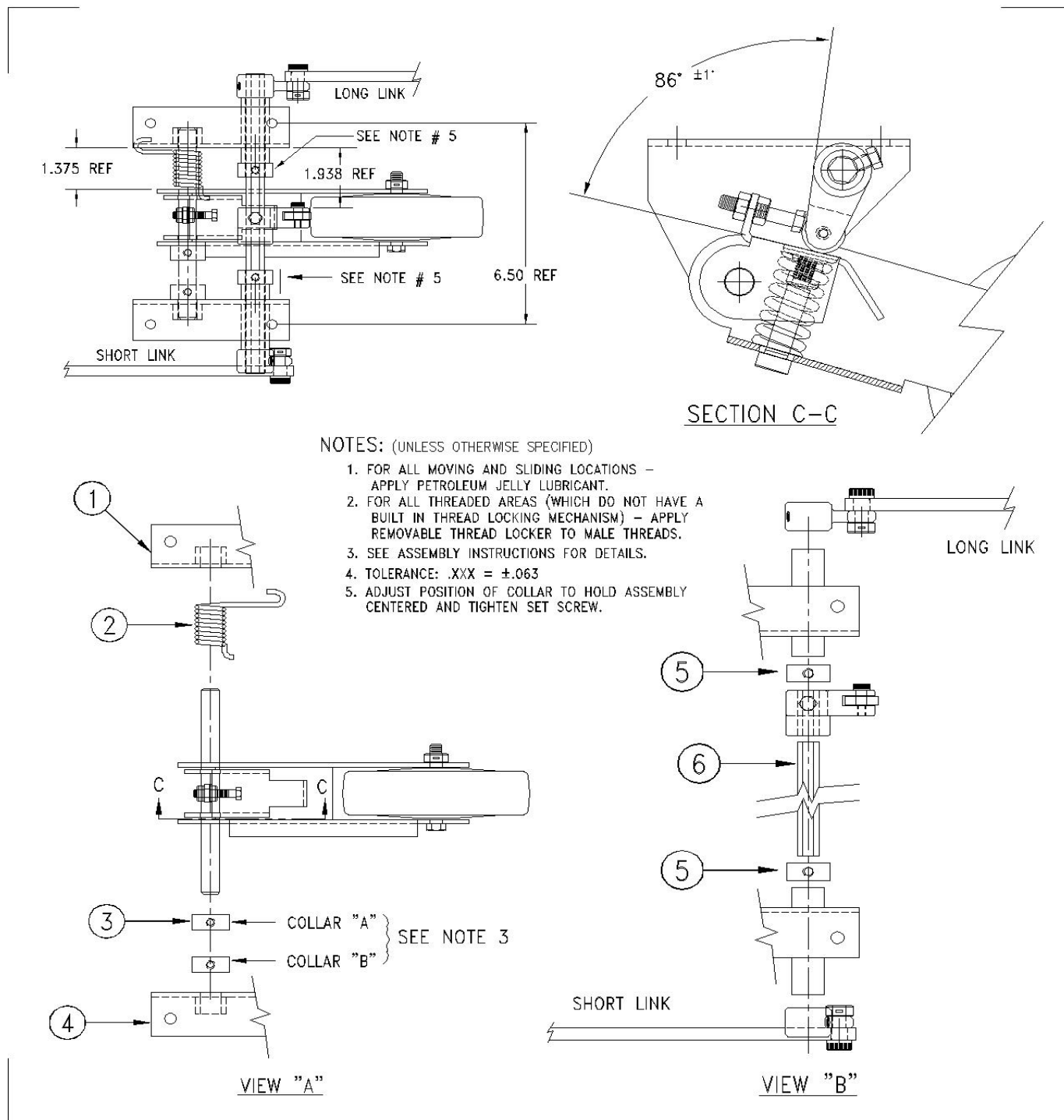


FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (PART 2 OF 3) (AFTER 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (PART 3 OF 3) (AFTER 1/1/14)

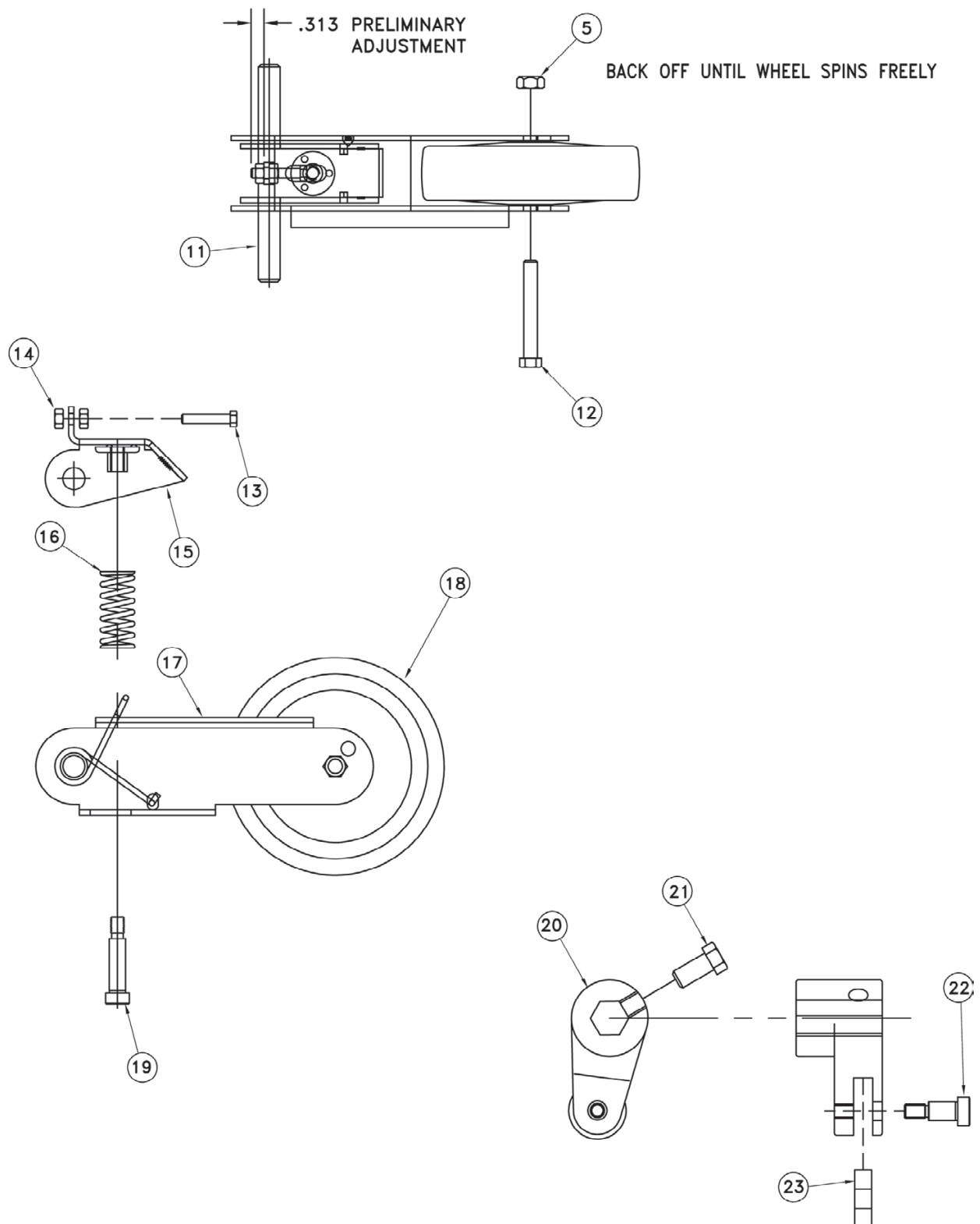


FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (PART 3 OF 3) (AFTER 1/1/14)

ILLUSTRATED PARTS BREAKDOWN

7

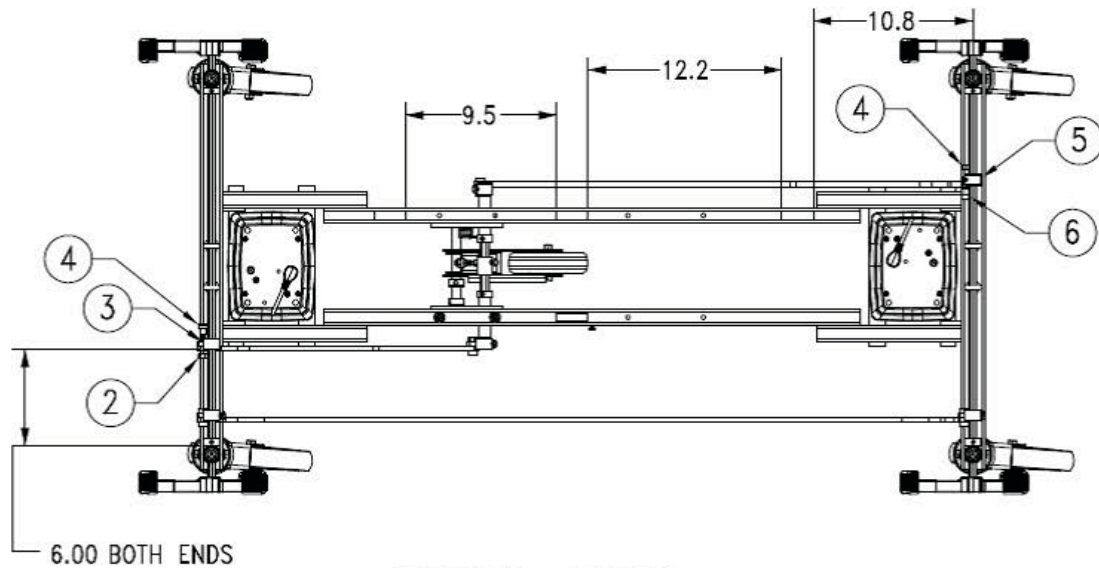
FIGURE 7-32. FIFTH WHEEL SUB-ASSEMBLY, ELECTRIC BASE
(AFTER 1/1/14)

Item No.	Part No.	SVC	Description	Units Per Ass'y		
	080468		Fifth Wheel Sub-Assembly, Electric Base	X		
	FIG. 7-22 Part 1 of 3					
1	062684		Cam	2		
2	150830-756		5/16 - 18 Lock Nut	2		
3	065807		Bolt, Shoulder 3/8 X 3/8	2		
4	080086		M6-1 X 10 Hex Cap Screw GR8.8 Zinc	2		
5	080460		Link, Short Electric	1		
6	080459		Link, Long Electric	1		
	FIG. 7-22 Part 2 of 3					
1	080464		Weldment, Mounting Bracket - LH	1		
2	075771		Spring, Torsion	1		
3	011422		Collar	2		
4	080463		Weldment, Mounting Bracket - RH	1		
5	068338		Collar	2		
6	080434		Rod, 10 1/2" Hex	1		
	FIG. 7-22 Part 3 of 3					
5	150830-756		Nut, Lock 5/16" - 18	1		
11	076108		Rod, Pivot	1		
12	031334		5/16" - 18 X 2 Hex Head Cap Screw	1		
13	076191		1/4 - 20 X 1.25 HHCS	1		
14	031054		1/4 - 20 Nut	2		
15	056397-854		Weldment, Upper Bracket	1		
16	056397-849		Spring	1		
17	075772		Bracket, Wheel	1		
18	075785		5" Wheel	1		
19	150830-343		Shoulder Bolt	1		
20	075782		Cam, Auto Track	1		
21	031004		1/4 - 20 X 1/2 LG. HHCS	1		
22	075794		Bolt, Shoulder 1/4 X 3/8	1		
23	150830-423		Roller	1		

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-33. FIFTH WHEEL SUB-ASSEMBLY, ELECTRIC BASE
(AFTER 1/1/14)



DETAIL VIEW
LOCATION VIEW FOR
ASSEMBLY OF 5TH WHEEL

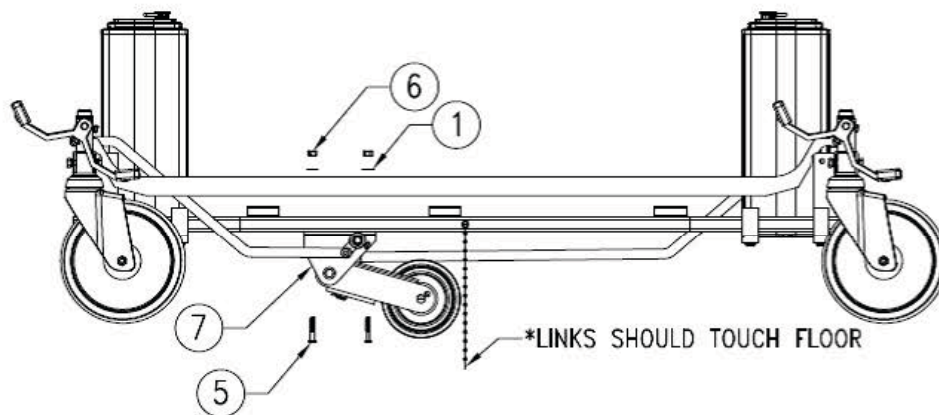


FIGURE 7-33. FIFTH WHEEL SUB-ASSEMBLY,
ELECTRIC BASE (AFTER 1/1/14)

ILLUSTRATED PARTS BREAKDOWN

7

FIGURE 7-33. FIFTH WHEEL SUB-ASSEMBLY, ELECTRIC
BASE (AFTER 1/1/14)

Item No.	Part No.	SVC	Description	Units Per Ass'y		
1	031076		1/4 Flat Washer	4		
2	150830-756		5/16 Lock Out	2		
3	062684		Cam	2		
4	065807		3/8 X 3/8 Shoulder Bolt	2		
5	031006		1/4 - 20 X 1 1/2 Hex HD Cap Screw	4		
6	031055		1/4 - 20 Lock Nut	4		
7	080468		5th Wheel Sub- Assembly, Electric	1		

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-34. FIFTH WHEEL ASSY (AFTER 9/1/99, BEFORE 1/1/14))

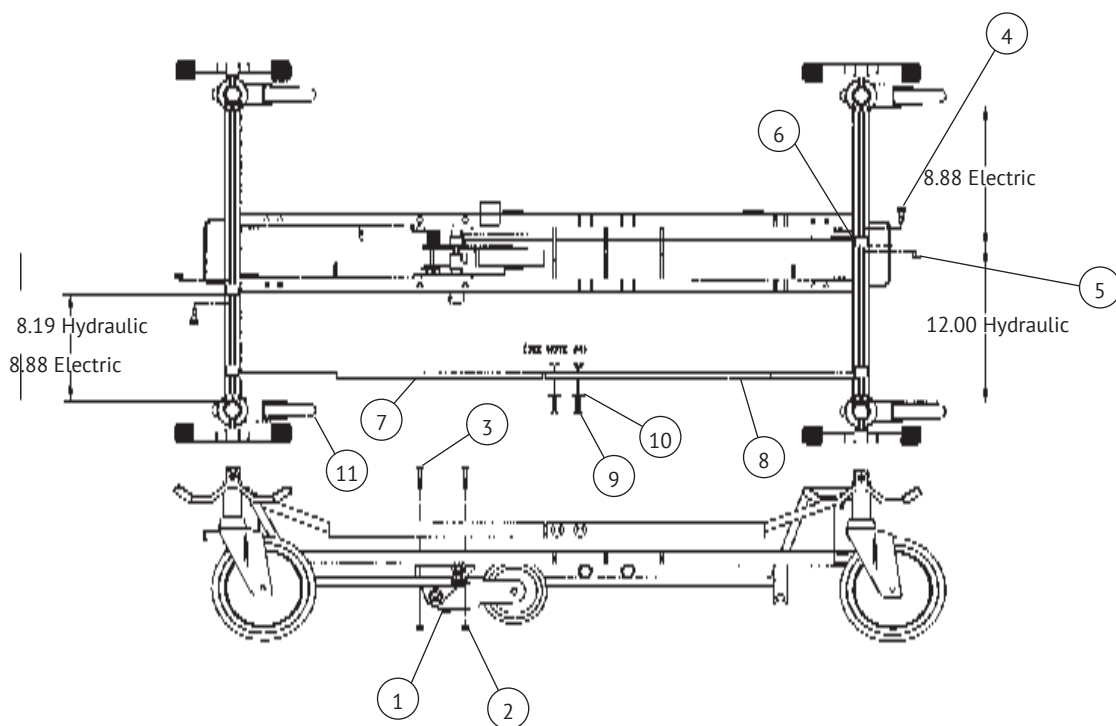


FIGURE 7-34. FIFTH WHEEL ASSY (AFTER 9/1/99, BEFORE 1/1/14))

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-34. FIFTH WHEEL ASSY (AFTER 9/1/99, BEFORE 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	075798	00	Fifth Wheel ASSEMBLY – Horizon Electric (After 9/1/99)	X					
	075797	00	Fifth Wheel ASSEMBLY – Horizon Hydraulic (Shown) (After 9/1/99)		X				
1	075796		ASSEMBLY, Sub	–	2				
2	031055		NUT, Lock, 1/4-20	4	4				
3	031006		SCREW, Hex Head Cap, 1/4-20 x 1 1/4" Long	4	4				
4	065807		BOLT, Shoulder, 3/8" x 3/8"	2	2				
5	031057		NUT, Lock, 5/16"	4	4				
6	062684		CAM	2	2				
7	075788		ROD, Brake, Foot End	1	1				
8	075786		ROD, Brake, Head End	1	1				
9	031012		SCREW, Hex Head Cap, 5/16-18 x 1.00" Long	2	2				
10	031080		WASHER, Flat, 5/16"	2	2				
11	062672		CASTER, Tente, Brake	1	1				
12	065799		ASSEMBLY, Sub-, Electric	1	–				

NOTE: The hydraulic version of the fifth wheel shown, use Item 12 in place of Item 1 and locate cams as shown in drawing.

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-35. FIFTH WHEEL ASSY (AFTER 9/1/99, BEFORE 1/1/14)

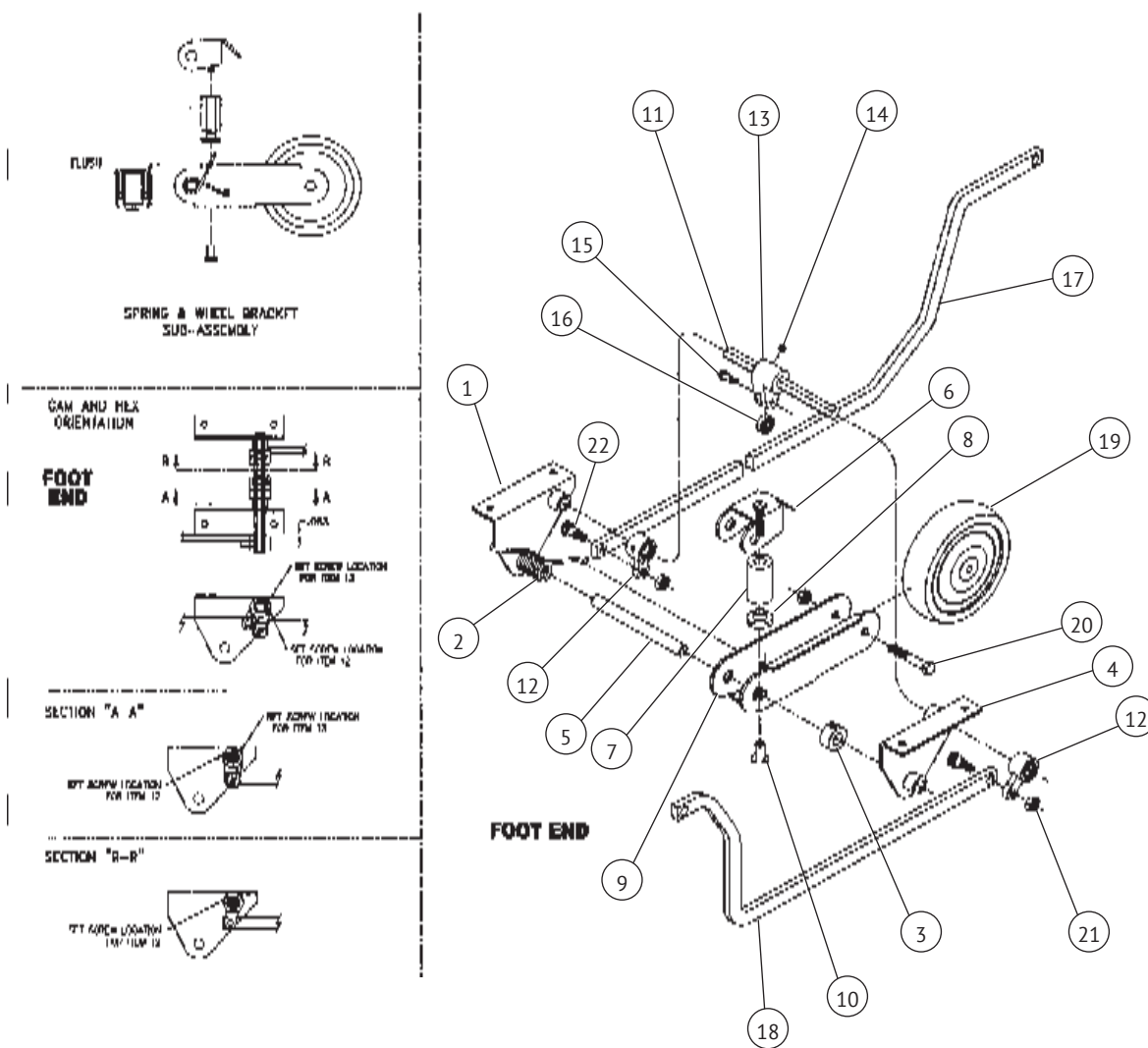


FIGURE 7-35. FIFTH WHEEL ASSY (AFTER 9/1/99, BEFORE 1/1/14)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-35. FIFTH WHEEL ASSY (AFTER 9/1/99, BEFORE 1/1/14)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	075799	00	Fifth Wheel Sub-ASSEMBLY – Horizon Electric (After 9/1/99)	X					
	075796	00	Fifth Wheel Sub-ASSEMBLY – Horizon Hydraulic (Shown) (Before 9/1/99)		X				
1	075775		WELDMENT, Mounting Bracket, Left Hand	1	1				
2	075771		SPRING, Torsion	1	1				
3	011422		COLLAR	1	1				
4	075776		WELDMENT, Mounting Bracket-Right Hand	1	1				
5	075780		ROD, Pivot	–	1				
6	075778		WELDMENT, Upper Bracket	1	1				
7	075793		SPRING, Urethane	1	1				
8	075779		SPRING, Retainer	1	1				
9	075772		BRACKET, Wheel	1	1				
10	068154		NUT, Spoke	1	1				
11	075781		ROD, Hex	1	1				
12	062684		CAM	2	2				
13	075782		CAM, Auto Track	1	1				
14	067861		SCREW, Socket Set, 1/4-20 x 1/4" Long	1	1				
15	075794		BOLT, Shoulder 1/4 x 3/8	1	1				
16	075792		BEARING	1	1				
17	075783		LINK, Long	1	1				
18	075784		LINK, Short	–	1				
19	075785		WHEEL, 5th	1	1				
20	031334		SCREW, Hex Head Cap, 5/16-18 x 2" Long	1	1				
21	031057		NUT, Lock, 5/16-18	3	3				
22	065807		BOLT, Shoulder 3/8" x 3/8"	2	2				
23	076108		ROD, Pivot 6.5	1	–				
24	076107		LINK, Short, Electric	1	–				

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-36. FIFTH WHEEL ASSEMBLY (BEFORE 9/1/99)

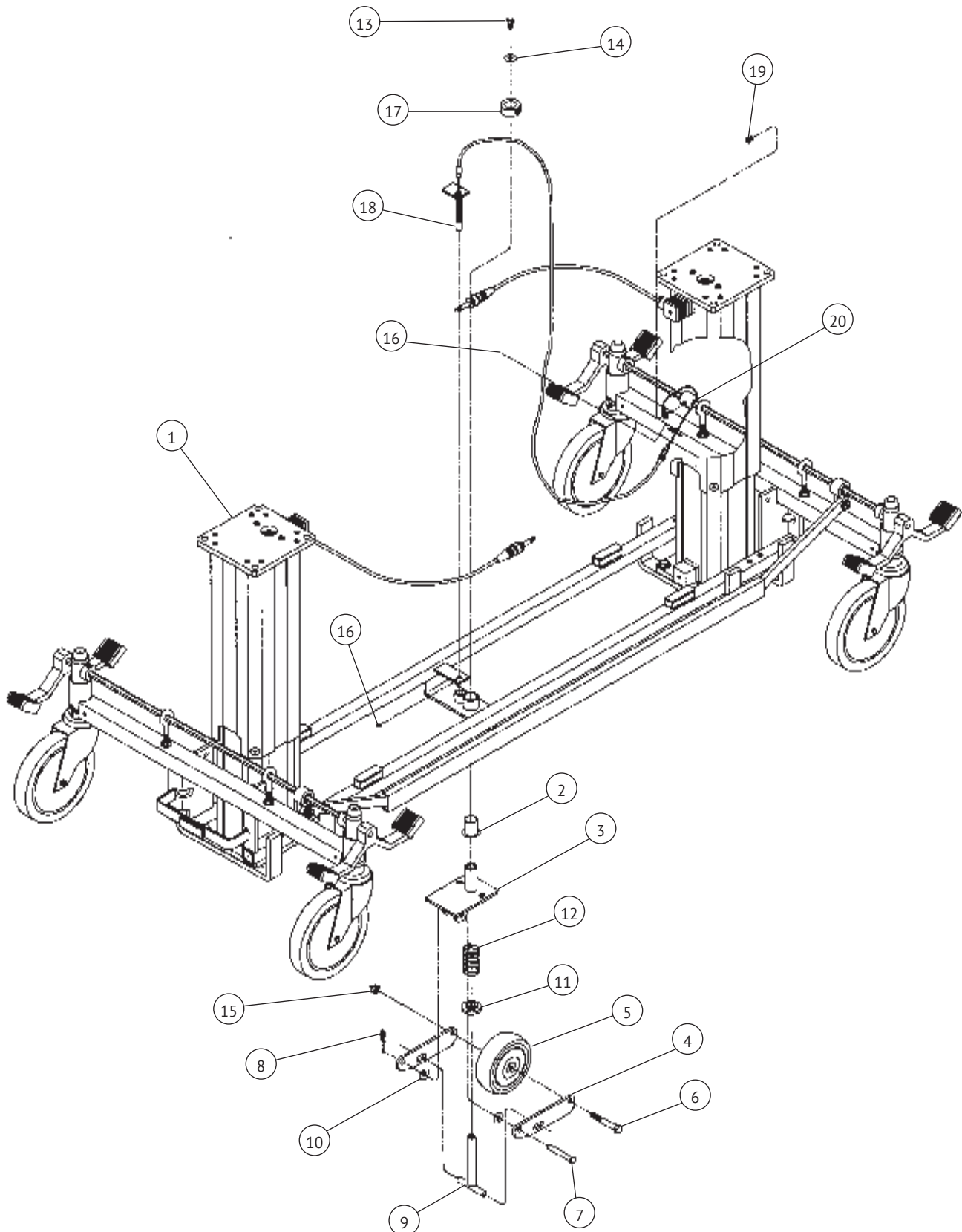


FIGURE 7-36. FIFTH WHEEL ASSEMBLY (BEFORE 9/1/99)

RECOMMENDED REPLACEMENT PARTS

7

FIGURE 7-36. FIFTH WHEEL ASSEMBLY (BEFORE 9/1/99)

Item No.	Part No.	S V C	Description	Units Per Assembly					
	068516		Fifth Wheel Assembly (Before 9/1/99)	X					
1			ASSEMBLY, 4E2 Base	1					
2	051308		NYLINER, Flange, 3/4" x 1-1/8"	1					
3	068360		ASSEMBLY, Swivel Bracket	1					
4	068429		PLATE, 5th Wheel Hinge	2					
5	068415		WHEEL, 4th	1					
6	068543		SCREW, Hex Head Cap, 5/16-18 x 2-1/4" Long	1					
7	068419		PIN, Clevis, 5/16" x 2.0"	1					
8	068417		CLIP, Rue, 5/16"	1					
9	068540		ASSEMBLY, Spring Stop	1					
10	065688		WASHER, Nylon, 5/1"	2					
11	068416		SPACER	1					
12	068173		SPRING, 5th Wheel	1					
13	031004		SCREW, Hex Head Cap, 1/4-20 x 1/2" Long	1					
14	031076		WASHER, 1/4"	1					
15	031057		NUT, Lock, 5/16-18	1					
16	062640		RING, Retaining	2					
17	068464		COLLAR, 3/4"	1					
18	068430		ASSEMBLY, 5th Wheel Cable	1					
19	068544		SCREW, Button Head Socket, 1/4-20 x 3/8" Long	1					
20	068373		TUBE, Cam	1					

8.1 GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC EMISSIONS

The Hausted Horizon Series Multi-Purpose Stretchers are intended for use in the electromagnetic environment specified below. The customer or the user of the Hausted Horizon Series Multi-Purpose Stretchers should assure that it is used in such an environment.

Emissions Test	Compliance	Electromagnetic Environment - Guidance
RF emissions CISPR 11	Group 1	The Hausted Horizon Series Multi-Purpose Stretchers uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class A	
Harmonic emissions IEC 61000-3-2	Class A	The Hausted Horizon Series Multi-Purpose Stretchers are suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

8.2 GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY


The Hausted Horizon Series Multi-Purpose Stretchers are intended for use in the electromagnetic environment specified below. The customer or the user of the Hausted Horizon Series Multi-Purpose Stretchers should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	±1 kV line(s) to line(s) ±2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % U_T (>95 % dip in U_T) for 0,5 cycle 40 % U_T (60 % dip in U_T) for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 sec	<5 % U_T (>95 % dip in U_T) for 0,5 cycle 40 % U_T (60 % dip in U_T) for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Hausted Horizon Series Multi-Purpose Stretcher requires continued operation during power mains interruptions, it is recommended that the Hausted Horizon Series Multi-Purpose Stretcher be powered from an uninterruptable power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A / m	3 A / m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE: U_T is the a.c. mains voltage prior to application of the test level.

8.3 GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY

The Hausted Horizon Series Multi-Purpose Stretchers are intended for use in the electromagnetic environment specified below. The customer or the user of the Hausted Horizon Series Multi-Purpose Stretchers should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
<p>Conducted RF IEC 61000-4-6</p> <p>Radiated RF IEC 61000-4-3</p>	<p>3 Vrms 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2,5 GHz</p>	<p>3 vrms</p> <p>3 V/m</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Hausted Horizon Series Multi-Purpose Stretchers, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance</p> $d = 1.2\sqrt{P}$ $d = 1.2\sqrt{P} \text{ 80 MHz to 800 MHz}$ $d = 2.3\sqrt{P} \text{ 800 MHz to 2,5 GHz}$ <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^ashould be less than the compliance level in each frequency range. ^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Hausted Horizon Series Multi-Purpose Stretchers are used exceeds the applicable RF compliance level above, the Hausted Horizon Series Multi-Purpose Stretchers should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocation the Hausted Horizon Series Multi-Purpose Stretchers

^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

8.4 RECOMMENDED SEPARATION DISTANCES BETWEEN PORTABLE AND MOBILE RF COMMUNICATIONS EQUIPMENT AND HAUSTED HORIZON SERIES MULTI-PURPOSE STRETCHERS

The Hausted Horizon Series Multi-Purpose Stretchers are intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Hausted Horizon Series Multi-Purpose Stretchers can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Hausted Horizon Series Multi-Purpose Stretchers as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1.2\sqrt{P}$	80 MHz to 800 MHz $d = 1.2\sqrt{P}$	800 MHz to 2,5 GHz $d = 2.3\sqrt{P}$
0,01	0.12	0.12	0.23
0,1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

GF HEALTH PRODUCTS, INC. LIMITED WARRANTY FOR HAUSTED® BRAND PRODUCT LINE OUTSIDE THE U.S.

9

SCOPE OF WARRANTY

GF Health Products, Inc. ("GF") warrants to the original purchaser only ("Purchaser") that it will replace components, at GF's sole discretion, that are defective in material or workmanship under normal use and service. All warranties are conditioned upon the proper use of the products strictly in accordance with good commercial practice and applicable GF instructions and manuals, including proper use and maintenance. To the extent that a component is warranted by a third party, GF conveys all of its rights under that warranty to the Purchaser, to the extent permitted.

This limited warranty shall only apply to defects that are reported to the authorized Distributor from whom the Purchaser purchased the product, commensurate with the rules set forth by that Distributor within the applicable warranty period and which, upon examination by GF or its authorized representative, prove to be a warranty item. This limited warranty is not transferable.

The warranted components and time periods are set forth below:

COMPONENT.....PARTS WARRANTY

Frame	5 years
Hydraulics	1 year
Casters	1 year
Pneumatic gas springs	1 year
Pads and mattresses	1 year
Patient weighing system	1 year
Electrical components	1 year
Optional accessories	1 year
Replacement parts *	90 days

** The warranty period is as designated above. If a part is replaced under warranty, the original warranty period will not be affected. All other replacement parts will be subject to the warranty period specified.*

All warranties for labor are provided strictly by the Distributor from whom the Customer purchased the product.

The warranty period is presumed to commence on the date of shipment from GF's premises, unless there is an expiration date on the component in which case the warranty shall expire on the earlier of warranty period or the expiration date.

OBTAINING WARRANTY SERVICE

The Purchaser must contact the Distributor from whom the product was purchased, commensurate with the guidelines set forth by that Distributor. The Distributor shall contact a GF Customer Service Representative who must authorize warranty service. Specific directions will be provided by the Customer Service Representative to the Distributor. Failure to abide by the specific directions will result in denial of the warranty claim.

EXCLUSIONS

The warranty does not cover and GF shall not be liable for the following:

- 1) Defects, damage, or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- 2) Products which are not properly installed, used, or cleaned and maintained as required in the official manual for the applicable product;
- 3) Products considered to be of a consumable nature including, but not limited to: filters, fuses, gaskets, lubricants, and charts;
- 4) Accessories or parts not provided by GF;
- 5) Charges by anyone for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing, in advance, by GF;
- 6) Any labor or shipping charges incurred in the replacement part installation or repair;
- 7) Costs and expenses of regular maintenance and cleaning; and
- 8) Representations and warranties made by any person or entity other than GF.

ENTIRE WARRANTY, EXCLUSIVE REMEDY AND CONSEQUENTIAL DAMAGES DISCLAIMER

THIS WARRANTY IS GF'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. GF MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IF ANY MODEL OR SAMPLE WAS SHOWN TO THE CUSTOMER, SUCH MODEL OR SAMPLE WAS USED MERELY TO ILLUSTRATE THE GENERAL TYPE AND QUALITY OF THE PRODUCT AND NOT TO REPRESENT THAT THE PRODUCT WOULD NECESSARILY CONFORM TO THE MODEL OR SAMPLE IN ALL RESPECTS.

THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PARTS. GF SHALL NOT BE LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO: DAMAGES FOR LOSS OF PROFITS OR INCOME, LOSS OF USE, DOWNTIME, COVER, OR EMPLOYEE OR INDEPENDENT CONTRACTOR WAGES, PAYMENTS AND BENEFITS.

The warranties contained herein contain all the representations and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understandings with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.

For additional information on this Hausted product or this warranty, please contact a Graham-Field authorized Distributor.

NOTES:

- 1) Additional terms and conditions may apply.
- 2) Freight claims must be notated and filed according to the specific carrier's bill of lading terms and conditions. Failure to comply with these requirements will impair the Purchaser's ability to collect for freight damage.
- 3) Claims for any short shipment must be made within forty-eight (48) hours of receipt or pursuant to the terms and conditions set forth by the carrier, whichever is earlier.

www.grahamfield.com

www.hausted.com

DISPOSAL

Hausted equipment and accessories can be disposed of.

We recommend disassembling and dividing the equipment and components into different waste groups such as: metal, cable, electronic, recoverable resource and plastic for recycling or combustion.











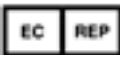

Most plastic components are provided with a plastic types code and fiber content to aid sorting of plastic parts.

Product	Metal Scrap	Cable Scrap	Electornic Scrap	Plastic recycling or combustion
ESCEYE	X	X	X	X
ESDEYE	X	X	X	X
EPC250	X	X	X	X
EPD250	X	X	X	X

Note: Recoverable resources are Lead-acid batteries containe int he controller and should be recycled.

KEY TO SYMBOLS

The following symbols are used on the label(s) of the Hausted products.

	Protective Earth		Manufacturer
	Earth Ground		Keep Dry
	General Warning Sign		Fragile, handle with care
	CE Mark		Electrical and electronic equipment
	ETL		Consult Instructions for Use
	European Authorized Representative		Caution

Hausted®

www.hausted.com
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Manufactured by:
GF Health Products, Inc.
Fond du Lac, WI 54937
Proudly made in the U.S.A.