

OPERATION AND MAINTENANCE MANUAL

Gallery Wall From Hill-Rom



Product No. P6918

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Manufactured by:

HILL-ROM
1069 STATE ROUTE 46 E
BATESVILLE, IN 47006-9167
UNITED STATE OF AMERICA

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First Edition

First Printing 2008

Printed in the USA

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Revision	Pages Affected	Date
Original Issue		February 2008

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Chapter 1

Operation, Specifications, and Cleaning

Purpose

This manual contains the instructions for the operation and maintenance of the Gallery Wall. It also includes a parts lists (in chapter 3) to order replacement components.

Audience

This manual is intended for use by only facility-authorized persons. To ignore this restriction could cause severe injury to people and serious damage to equipment.

Document Symbols

This manual contains different typefaces and symbols to make the content easier to read and understand:

- Standard text—used for regular data.
- **Boldface text**—emphasizes a word or phrase.
- **NOTE:**—sets apart special data or important instruction clarification.
- **WARNING** or **CAUTION**



- A **WARNING** identifies situations or actions that may have an effect on patient or user safety. To ignore a warning could cause patient or user injury.
- A **RELATIVE CONTRAINDICATION** identifies situations or actions that may have an effect on patient safety.
- A **CAUTION** identifies special procedures or precautions that persons must obey to help prevent equipment damage.

- **CAUGHT HAZARD WARNING**



- **CHEMICAL HAZARD WARNING**



- **ELECTRICAL SHOCK HAZARD WARNING**



Introduction

Overview

The Gallery Wall is a medical gas and electrical services assembly that installs in the wall of a patient's room where the aesthetics of the delivery of such services are important. The Gallery Wall integrates into the facility's current medical gas system and is available to serve one patient.

Operating Precautions

Before you operate the Gallery Wall, be sure that you have read and understand in detail the contents of this manual. It is important that you read and strictly adhere to the safety information contained in this manual.

**WARNING:**

After a repair of the Gallery Wall is completed, make sure the unit operates correctly. Failure to do so could cause personal injury or equipment damage.

Instructions For Use—Horizontal Cover Plate/Slide Mechanism

Open the Horizontal Cover Plate/Slide Mechanism

1. Apply a slight pressure and gently slide the horizontal cover plate/slide mechanism to the right or left (based upon the configuration) to expose the interior components.
2. Release the pressure on the horizontal cover plate/slide mechanism when the horizontal cover plate/slide mechanism engages its mechanical stops.

Close the Horizontal Cover Plate/Slide Mechanism

1. Apply a slight pressure and gently slide the horizontal cover plate/slide mechanism to the left or right (based upon the configuration) to hide the interior components.
2. Release the pressure on the horizontal cover plate/slide mechanism when the picture frame assembly engages its mechanical stops.

Instructions For Use—Vertical Cover Plate/Slide Mechanism

Open the Vertical Cover Plate/Slide Mechanism

1. Apply pressure to the handles of the latch mechanism to release the latch from the lower latch bracket.
2. Gently pivot the frame outward and up to expose the interior components.
3. Release the pressure on the vertical cover plate/slide mechanism when the vertical cover plate/slide mechanism engages the left and right upper latch brackets.

Close the Horizontal Cover Plate/Slide Mechanism

1. Apply pressure to the handles of the latch mechanism to release the latch from the left and right upper latch brackets.
2. Gently pivot the vertical cover plate/slide mechanism outward and down to conceal the interior components.
3. Release the pressure on the vertical cover plate/slide mechanism when the latch mechanism engages the lower latch bracket.

Safety Tips

**WARNING:**

After a repair of the Gallery Wall is completed, make sure the unit operates correctly. Failure to do so could cause personal injury or equipment damage.

**WARNING:**

Do not use glass to cover the artwork in patient rooms. If it is necessary to cover the artwork, use 1/8" (3.17 mm) Plexiglas®¹. The use of glass may cause personal injury.

**WARNING:**

Total weight for frame and acrylic can not exceed 10 lb (5 kg). Equipment damage and personal injury could result.

**WARNING:**

Make sure that the secondary equipment is connected to the correct medical gas. Failure to do so may cause patient injury or equipment damage.

**WARNING:**

To prevent injury to personnel and equipment make sure medical gas and electrical contractors are available to assist in the removal and reinstallation of the finished assembly.

**WARNING:**

Obey the product manufacturer's instructions. Failure to do so could cause personal injury or equipment damage.

**CAUTION:**

Always unlock the top fitting of the medical gas swivel mechanism before you attempt to lift and swing the bottom of the mechanism out. Failure to unlock the top of the medical gas swivel mechanism first may cause damage to the top fitting.

1. Plexiglas® is a registered trademark of Arkema.

**CAUTION:**

Do not use harsh cleansers, solvents, or detergents. Equipment damage could occur.

Specifications

The Gallery Wall is available in the configurations as follows:

- 3 gas with electrical receptacles
- 3 gas without electrical receptacles
- 4 gas with electrical receptacles
- 4 gas without electrical receptacles
- 5 gas without electrical receptacles

Table 1-1. Physical Description

Feature	Dimension
Rough-in dimensions	Small—22.25" high x 30.5" wide (56.52 cm x 77.5 cm) Large—22.25" high x 35.5" wide (56.52 cm x 90.2 cm)
Distance above floor	45" (114 cm) (both small and large)
Wall requirements	Standard 3.62" (9.21 cm) studded wall
Units back-to-back requirements	3" (7.62 cm) studs and 0.625" (15.88 mm) thick dry wall minimum
Artwork dimensional requirements	37" wide x 24.75" high (94 cm x 62.87 cm) minimum 38" wide x 26.50" high (96.52 cm x 67.31 cm) maximum
Glazing	0.125" (3.18 mm) thick acrylic material such as Plexiglas® ^a
Pipe joints	Silver brazing alloy with a melting point of at least 1000°F (538°C)
Weight with frame and acrylic glazing (maximum)	10 lb (5 kg)
Weight of complete supplied unit (rough-in assembly, finished assembly, medical gas outlets, and accessories) (maximum)	100 lb (46 kg)

a. Plexiglas® is a registered trademark of Arkema Corp.

General Specifications

The Gallery Wall is listed by ETL Testing Laboratories Inc. (ETL®¹) for the United States. Additionally, this product complies with the seismic requirements for the state of California Office of Statewide Health Planning and Development (OSHPD).

The Gallery Wall complies with the applicable provisions of the National Fire Protection Association®² (NFPA®), National Electrical Code® (NFPA® 70), (NFPA® 99), and with applicable state and local codes.

The installation contractor is responsible for compliance with all local, state, and federal codes applicable to installation.

Medical Gases and Vacuum Outlets

The mechanical contractor is to supply all facility service connections to the unit and certify all pressure tests in accordance with NFPA99.

The Gallery Wall is available with either three to five medical gases or vacuum. The gases available are air, oxygen, and vacuum.

Medical Gas Pipes

All tubes and pipe fittings, shall be cleaned for oxygen use in accordance with the latest edition of NFPA® 99.

Electrical Receptacles

Electrical receptacles are UL-listed. 20 A receptacles are rated 125 V AC, hospital grade, and marked accordingly. They are duplex, National Electrical Manufacturers Association (NEMA®³) -style 5-20R, and the standard color is red for emergency or critical-branch power circuits, or ivory for normal power circuits.

NOTE:

In some states and municipalities, “critical-branch power” may be referred to as “emergency power.”

1. ETL® is a registered trademark of Intertek Testing Services NA, Inc.

2. National Fire Protection Association®, NFPA®, National Electric Code®, and NEC® are registered trademarks of National Fire Protection Association, Inc.

3. NEMA® is a registered trademark of National Manufacturers Association.

Preventive Maintenance



WARNING:

Only facility-authorized personnel should perform preventive maintenance on the Gallery Wall. Preventive maintenance performed by unauthorized personnel could cause personal injury or equipment damage.

The Gallery Wall requires an effective maintenance program. We recommend that you perform **annual** preventive maintenance (PM) and testing for Joint Commission. PM and testing not only meet Joint Commission requirements but will help make sure a long, operative life for the Gallery Wall. PM will minimize downtime due to excessive wear.

The PM schedule that follows, guides you through a normal PM procedure on the Gallery Wall. As you complete this PM process, check each item on the schedule, and make the necessary adjustments.

Follow the PM schedule and the PM checklist. This checklist is designed to keep a sequential maintenance history and subsequent repair costs for one Gallery Wall. However, your facility can modify this checklist or design another to fit your needs. Two effective ways to reduce downtime and make sure the patient remains comfortable are to keep good records and maintain the Gallery Wall as in serviceable condition at all times.

The medical gas supply hoses are recommended to be replaced at 10-year intervals.

Preventative Maintenance Schedule**Table 1. Preventive Maintenance Schedule**

Function	Procedure
Electrical receptacles	Check all receptacles for proper ground conductor extractive force. The extractive force should be four ounces with a 0.184" (4.67 mm) diameter pin.
Electrical connections	Check all electrical connections for tightness and tighten as needed.
Gas supply conduit	Inspect all joints in the Gallery Wall for gas leaks. Inspect hoses for cracks, wear, collapse, or leakage.
General appearance	Check cleanliness (see "Cleaning" on page 1-11).
Vertical Gallery Wall	Adjust release lever and latch brackets as required for proper engagement (see "Instructions For Use—Vertical Cover Plate/Slide Mechanism" on page 1-4).
Horizontal Gallery Wall	Adjust roller bearings as required for level horizontal movement (see "Instructions For Use—Horizontal Cover Plate/Slide Mechanism" on page 1-4).

Table 2. Preventive Maintenance Checklist

Date		Function	
Hill-Rom	Manufacture		Electrical receptacles
			Electrical connections
			Gas supply conduit
			General appearance
			Vertical Gallery Wall
			Horizontal Gallery Wall
	Model Number		
	Serial Number		
Total Cost for this page		Labor Time:	
		Repair Cost:	
		Inspected by:	
		Legend L=Lube C=Clean A=Adjust R=Repair or Replace O=Okay N=Not Applicable Remarks:	

Cleaning

**WARNING:**

Obey the product manufacturer's instructions. Failure to do so could cause personal injury or equipment damage.

**CAUTION:**

Do not use harsh cleansers, solvents, or detergents. Equipment damage could occur.

General Cleaning

We recommend that you clean the unit with detergent and warm water. Do not use excessive liquid or harsh cleansers such as toluene, xylene, or acetone.

Steam Cleaning

Do not use any steam cleaning device on the unit. Excessive moisture can damage mechanisms in this unit.

Cleaning Hard to Clean Spots

To remove difficult spots or stains, we recommend that you use standard household cleansers and a soft bristle brush. To loosen heavy, dried-on soil, you may first need to saturate the spot.

Disinfecting

When there is visible soil and also between patient use, we recommend that you disinfect the unit with an EPA registered (US only), tuberculocidal, disinfectant.

Dilute and use the disinfectant as specified on the manufacturer's label.

NOTES:

Chapter 2

Removal, Replacement, and Adjustment Procedures

2

Tool and Supply Requirements

To service the Gallery Wall, these tools and supplies are necessary:

- 3/32" (#23) Hex head wrench
- Caulk gun
- Caulk
- Screwdriver
- #10 x 1" Self-tapping screws
- 2" Flat blade putty knife
- T-square
- Level
- Tape measure

2.1 Finished Assembly

Tools required:	Screwdriver	Caulk gun
	Level	T-square
	2" Flat blade putty knife	
Parts required:	Caulk	#10 x 1" Self-tapping screws

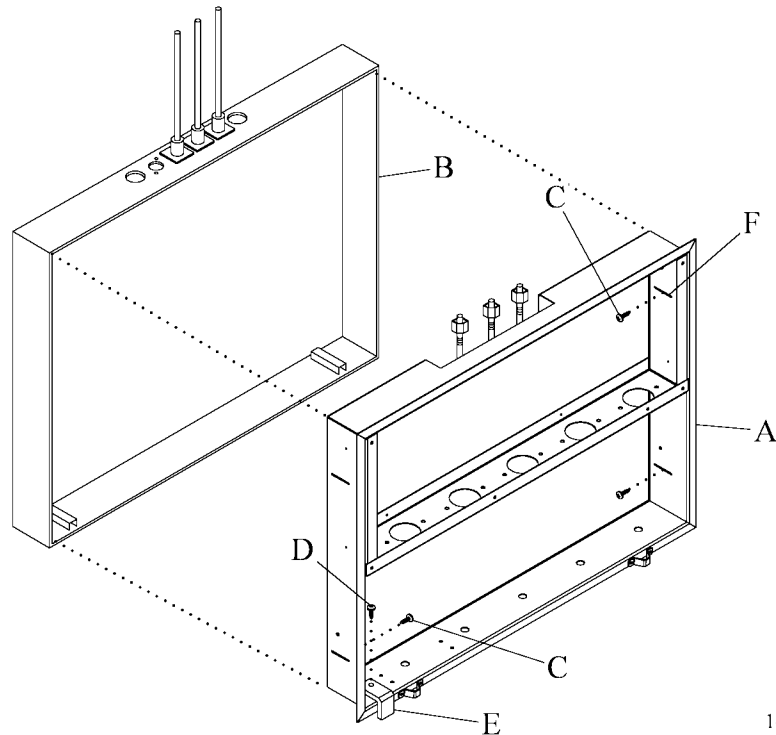


WARNING:

To prevent injury to personnel and equipment, make sure medical gas and electrical contractors are available to assist in the removal of the finished assembly.

Removal

1. **Horizontal**—Remove the horizontal picture frame assembly (refer to procedure 2.4).
Vertical—Remove the vertical picture frame assembly (refer to procedure 2.5).
2. **Horizontal**—Remove the horizontal cover plate/slide assembly. (refer to procedure 2.2).
Vertical—Remove the vertical cover plate/slide assembly (refer to procedure 2.3).
3. Remove the medical gas swivel mechanisms (refer to procedure 2.6).
4. Have the **gas and electric contractors** remove the gas and electric fittings and connectors that would prevent the removal of the finished assembly (A) from the rough-in assembly (B) (see figure 2-1 on page 2-3).
5. Remove the four screws (C) used to secure the finished assembly (A) to the rough-in (B) casing (the top and bottom of the left and right sides) (set the screws aside).
6. Remove the screw (D) used to secure the plastic guide (E) to the finished assembly (A) (set the screw aside).
7. Remove the plastic guide (E) from the finished assembly (A).
8. Use a 2" putty knife or similar tool to break the caulk seal between the finished assembly (A) and the wall.

Figure 2-1. Finished Assembly

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9. Carefully slide the finished assembly (A) out from the wall and the rough-in assembly (B).
10. Clean the old caulk from all of the surfaces.

Replacement



WARNING:

To prevent injury to personnel and equipment make sure the medical gas and the electrical contractors are available to assist in the replacement of the finished assembly.

1. Slide the finished assembly (A) into the rough-in assembly (B) (see figure 2.1 on page 2-2).
2. Make sure that the finished assembly (A) is firmly seated and that the flanges are flush with the wall.
3. Use a level and a T-square to make sure that the finished assembly (A) is level and square.

4. Temporarily slide the finished assembly (A) flange slightly away from the wall.
5. Put a bead of caulk under the edge of the flange.
6. Slide the finished assembly (A) completely into the rough-in assembly (B).
7. Use a level and a T-square to make sure that the finished assembly (A) is level and square.
8. Align the slots (F) of the finished assembly (A) with the screw holes in the rough-in assembly (B).

NOTE:

Inspect the screws used in the next step to make sure they do not show signs of excessive wear. If required replace the screws with the #10 x 1" self-tapping screws.

9. Secure the finished assembly (A) to the rough-in assembly (B) with the four screws (C).
10. Have the **gas and the electric contractors** replace the gas, the electric fittings, and the connectors as required.
11. Secure the plastic guide (E) to the finished assembly (A) with the screw (D).
12. Replace the medical gas swivel mechanisms (refer to procedure 2.6).
13. **Horizontal**—Replace the horizontal cover plate/slide assembly (refer to procedure 2.2).
Vertical—Replace the vertical cover plate/slide assembly (refer to procedure 2.3).
14. **Horizontal**—Replace the horizontal picture frame assembly (refer to procedure 2.4).
Vertical—Replace the vertical picture frame assembly (refer to procedure 2.5).

Adjustment

1. Use a T-square and level to make sure the finished assembly (A) is properly installed into the rough-in assembly (B) (see figure 2.1 on page 2-2).

2. Use a 2" flat blade putty knife (or similar tool) to gently break the seal of caulk between the back of the finished assembly (A) flanges and the wall.
3. Clean the old caulk from all of the surfaces.
4. Put a bead of caulk on the back edge of the finished assembly (A).
5. Position the finished assembly (A) to make sure it is flush with the wall.
6. Adjust the four screws (C) to attach the finished assembly (A) to the rough-in assembly (B) and make sure the finished assembly (A) is level and square.

2.2 Horizontal Cover Plate/Slide Mechanism

Tools required: Screwdriver

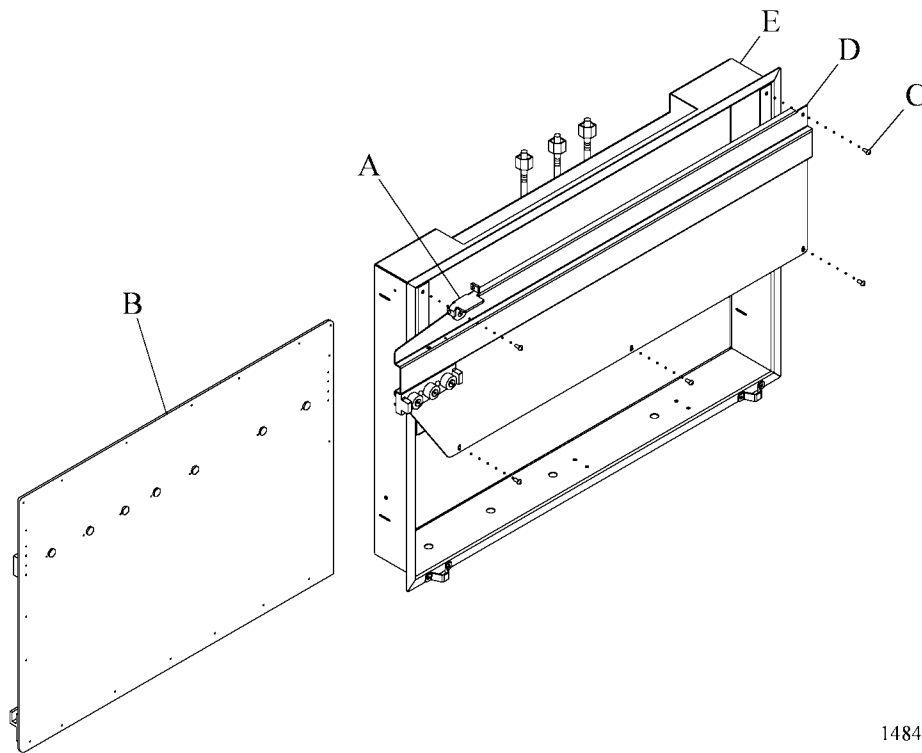
3/32" (#23) Hex head wrench

Parts required: #10 x 1" Self-tapping screws

Removal

1. Make sure the stop bracket (A) is in the **UP** (vertical) position (see figure 2-2 on page 2-6).
2. Remove the horizontal picture frame assembly (B) (refer to procedure 2.4).
3. Remove the five screws (C) that secure the horizontal cover plate/slide mechanism (D) to the finished assembly (E) (set the five screws and the horizontal cover/plate slide assembly (D) aside).

Figure 2-2. Horizontal Cover Plate/Slide Mechanism



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Replacement

1. Align the mounting holes in the horizontal cover plate/slide mechanism (D) with the mounting holes in the finished assembly (E) (see figure 2-2 on page 2-6).

NOTE:

Inspect the screws used in the next step to make sure they do not show signs of excessive wear. If required, replace the screws with the #10 x 1" self-tapping screws.

2. Secure the horizontal cover plate/slide mechanism (D) to the finished assembly (E) (install the **top** screws first) with the five screws (C).
3. Replace the horizontal picture frame assembly (B) (refer to procedure 2.4).
4. Put the stop bracket (A) in the **DOWN** (horizontal) position.

Adjustment

1. Move the horizontal picture frame assembly (B) from the closed position to the full open position and inspect for binding or scraping (see figure 2-2 on page 2-6).
2. If required, adjust the rollers on the horizontal cover plate/slide mechanism (D) to make sure the horizontal picture frame assembly (B) slides easily and freely.

2.3 Vertical Cover Plate/Slide Mechanism

Tools required: Screwdriver

Parts required: #10 x 1" Self-tapping screws

Removal

1. Pull the latch release handle (A) and release the vertical cover plate/slide mechanism (B) from the latched position (see figure 2-3 on page 2-9).
2. Remove the three screws (C) that secure the upper angle (D) of the vertical picture frame assembly (E) to the top surface of the vertical cover plate/slide mechanism (B) (set the screws aside).
3. Remove the three screws (F) that secure the lower angle (G) of the vertical picture frame assembly (E) to the bottom surface of the vertical cover plate/slide mechanism (B) (set the screws aside).
4. Remove the vertical picture frame assembly (E) from the vertical cover plate/slide mechanism (B) (refer to procedure 2.5).
5. Remove the seven screws (H) that secure the vertical cover plate/slide mechanism (B) to the finished assembly (I) (set the seven screws and the vertical cover plate/slide mechanism (B) aside).

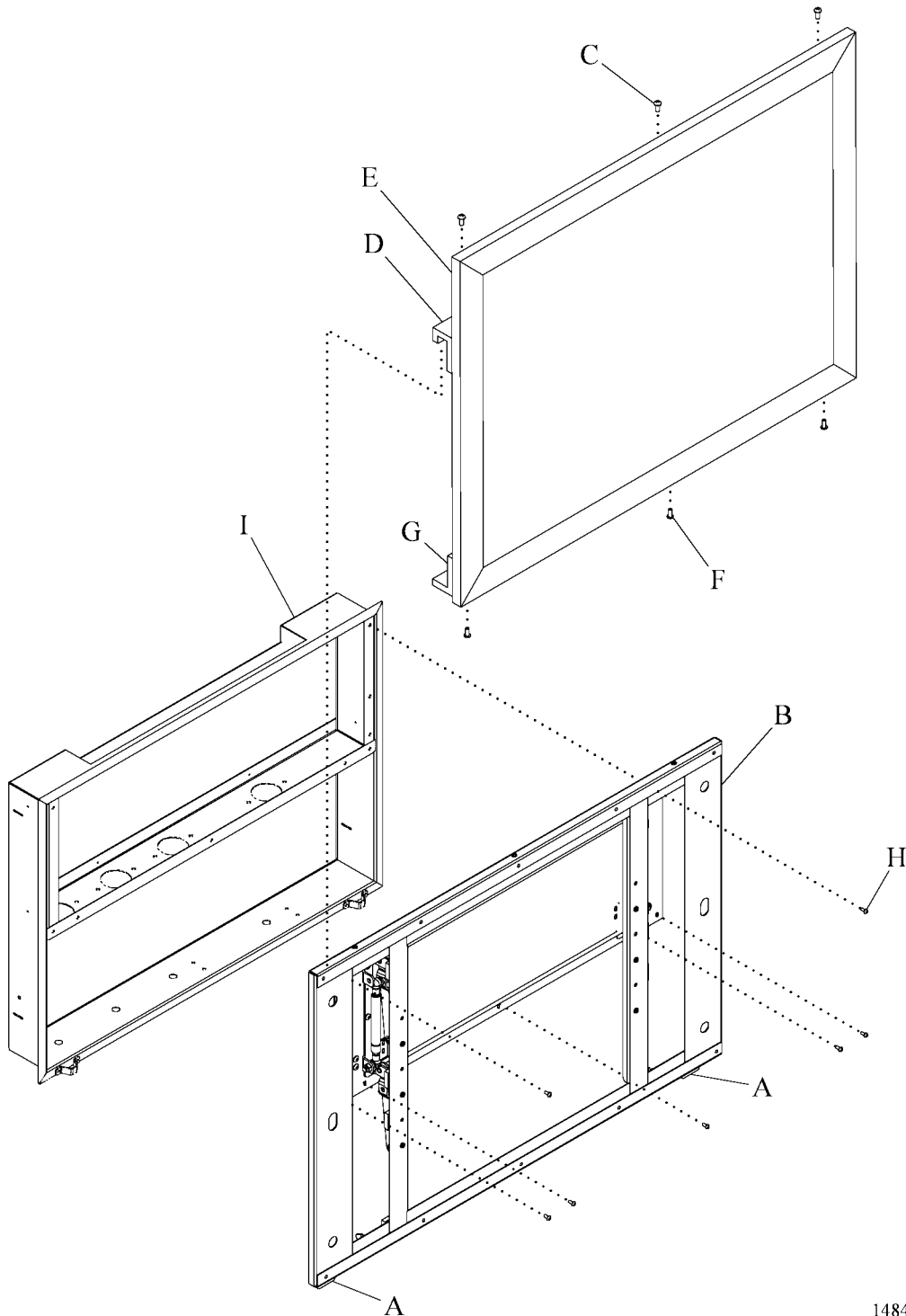
Replacement

1. Align the mounting holes in the vertical cover plate/slide mechanism (B) with the mounting holes on the finished assembly (I) (see figure 2-3 on page 2-9).

NOTE:

Inspect the screws used in the next step to make sure they do not show signs of excessive wear. If required, replace the screws with the #10 x 1" self-tapping screws.

2. Secure the vertical cover plate/slide mechanism (B) to the finished assembly (I) (install the upper **top** screws first) with the seven screws (H).
3. Align the vertical picture frame assembly (E) top angle (D) and lower angle (G) mounting holes with the mounting holes on the vertical cover plate/slide mechanism (B).
4. Install the three screws (C) to secure the upper angle (D) of the vertical picture frame assembly (E) to the vertical cover plate/slide mechanism (B).
5. Install the three screws (F) to secure the lower angle (G) of the vertical picture frame assembly (E) to the vertical cover plate/slide mechanism (B).

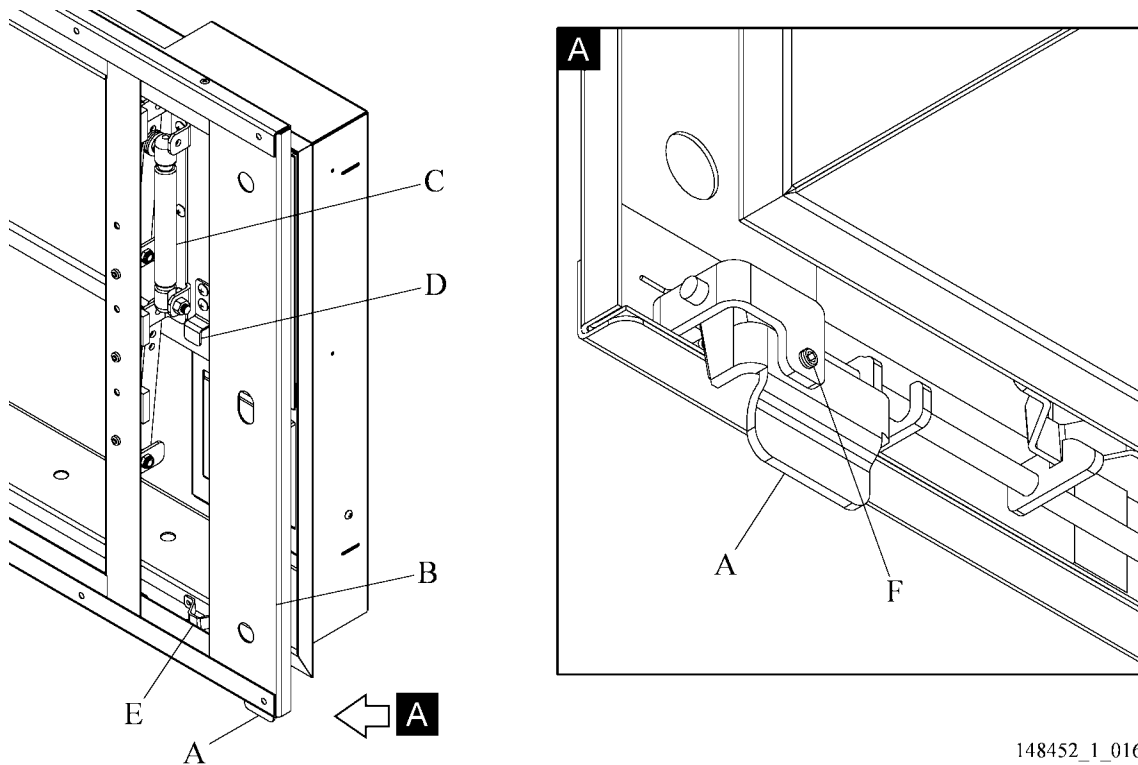
Figure 2-3. Vertical Cover Plate/Slide Mechanism

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Adjustment

1. Pull the latch release handle (A) to raise and lower the vertical cover plate/slide mechanism (B) to test the gas springs (C). Make sure the vertical cover plate/slide mechanism (B) raises and lowers smoothly and does not bind (see figure 2-4 on page 2-10).
2. Raise the vertical cover plate/slide mechanism (B) until it latches into the upper catch brackets (D) in the full up position.
3. If required, adjust the right and the left upper catch brackets (D) mounting screws to make sure the latch engages securely into the upper catch brackets (D).
4. Lower the vertical cover plate/slide mechanism (B) until it latches into the lower catch bracket (F) in the full down position.
5. If required, adjust the set screw (F) (lower left corner on the back side of the cover plate/slide mechanism (B)) as necessary to make sure the latch correctly engages the lower catch bracket (E).

Figure 2-4. Vertical Cover Plate/Slide Mechanism Adjustment



2.4 Horizontal Picture Frame Assembly

Tools required: Screwdriver

3/32" (#23) Hex head wrench

Removal

1. Slide the horizontal picture frame assembly (A) horizontally to allow access to the stop bracket (B) (see figure 2-5 on page 2-12).
2. Remove the lower retention screw (C) (located on the top surface of the stop bracket (B)) from the stop bracket (B).
3. Rotate the stop bracket (B) to the **UP** (vertical) position.
4. Remove the horizontal picture frame assembly (A) by sliding the horizontal picture frame assembly (A) horizontally across the rollers (D) and the plastic guide (E).

NOTE:

The number of screws removed in the next step will depend on the mounting configuration of the horizontal picture frame assembly.

5. Remove the screws (F) (located on the back side horizontal picture frame assembly (A)) that secure the artwork picture frame to the horizontal picture frame assembly (A) (set the screws aside).

Replacement



WARNING:

Do not use glass to cover the artwork in patient rooms. If it is necessary to cover the artwork, use 1/8" (3.17 mm) Plexiglas®¹. The use of glass may cause personal injury.



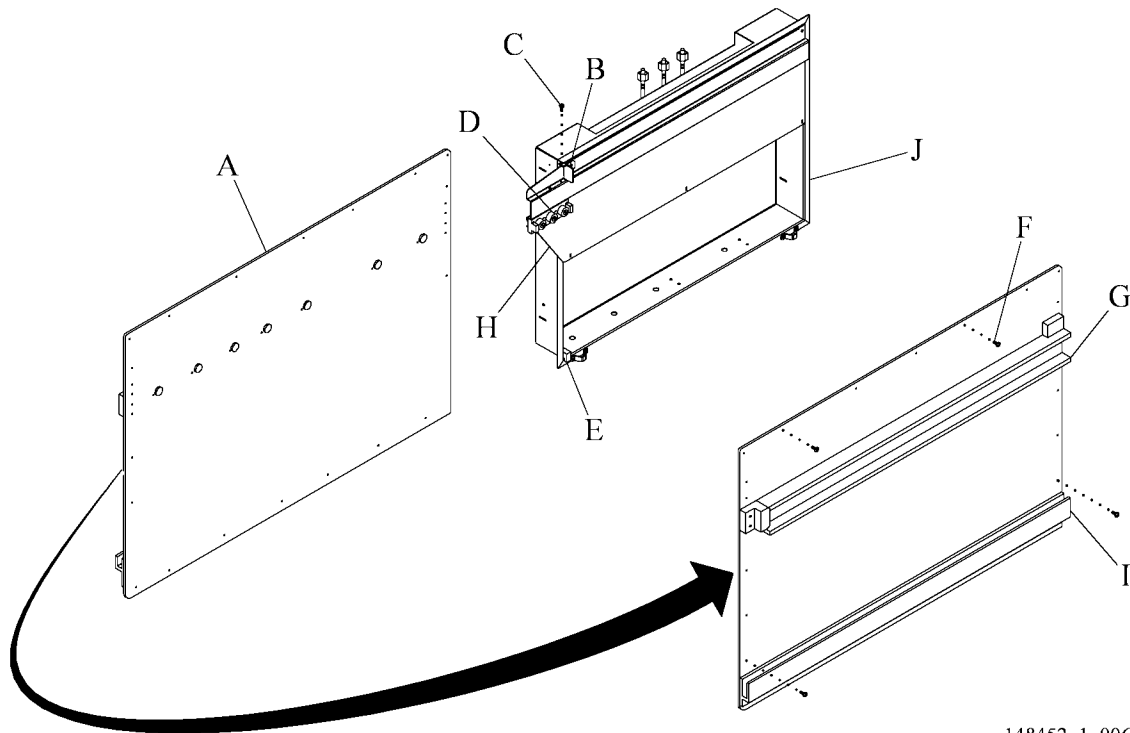
WARNING:

Total weight for frame and acrylic can not exceed 10 lb (5 kg). Equipment damage and personal injury could result.

1. Use the screws (F) to secure the artwork picture frame to the picture frame assembly (A) (see figure 2-5 on page 2-12).
2. Put the stop bracket (B) in the **UP** (vertical) position.

1. Plexiglas® is a registered trademark of Arkema.

Figure 2-5. Horizontal Picture Frame Assembly



3. Align the channel of the upper angle (G) with the rollers (D) on the horizontal cover plate/slide mechanism (H).
4. Align the channel of the lower angle (I) with the tab of the plastic guide (E).
5. Slide the horizontal picture frame assembly (A) horizontally to install the picture frame assembly (A) onto the rollers (D) of the cover plate/slide mechanism (H) and the tab of the plastic guide (E).
6. Move the stop bracket (B) to the **DOWN** (horizontal) position.
7. Use the screw (C) to secure the stop bracket (B) in the **DOWN** (horizontal) position.

Adjustment

1. Inspect the horizontal picture frame assembly (A) for binding or scraping between the horizontal picture frame assembly (A) and the horizontal cover plate/slide mechanism (H), the finished assembly (J), or the wall (see figure 2-5 on page 2-12).
2. If required, use a 3/32" (#23) hex head wrench to adjust the roller bearings (D) on the horizontal cover plate/slide mechanism (H) until the picture frame assembly (A) slides smoothly.

2

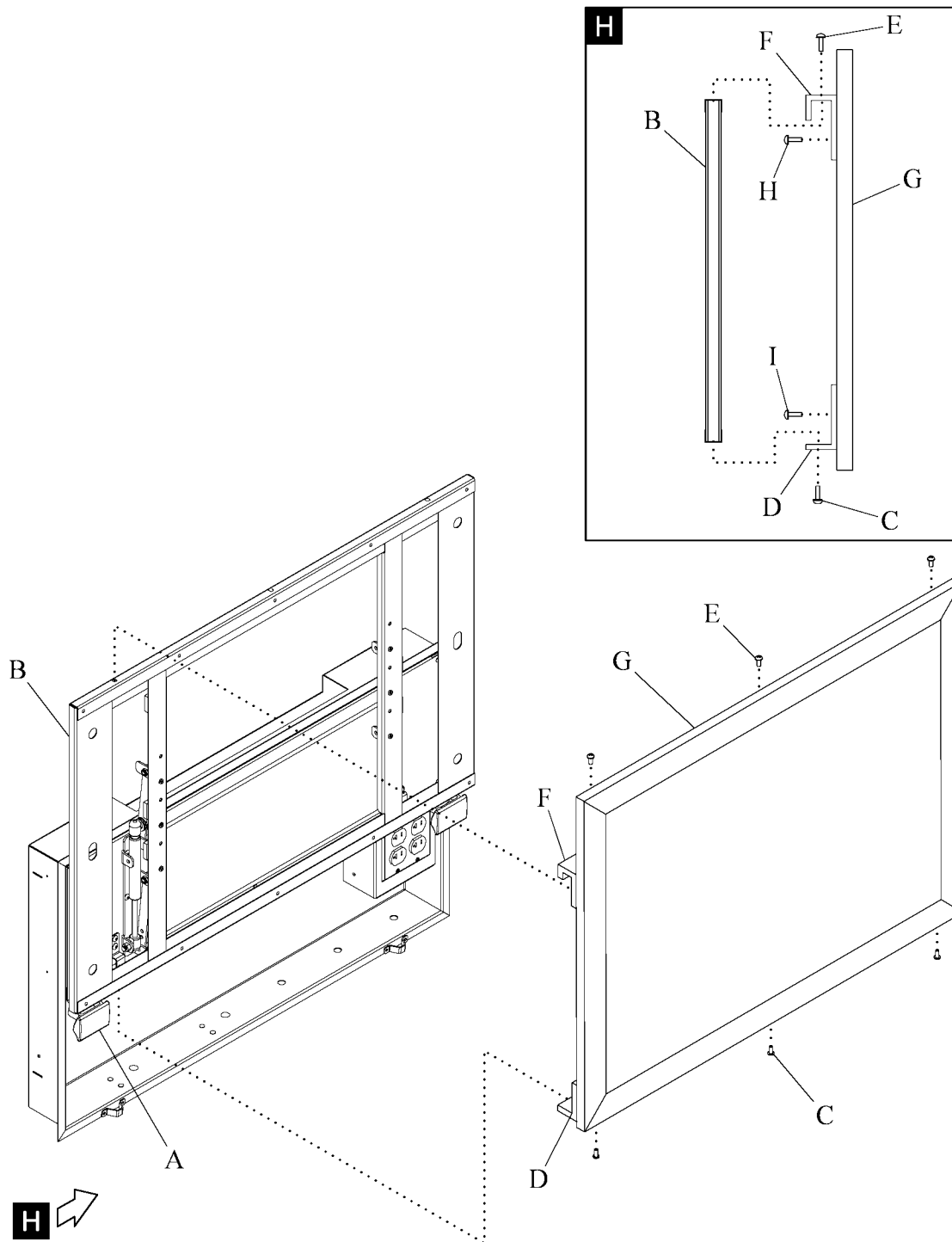
2.5 Vertical Picture Frame Assembly

Tools required:	Screwdriver	Level
	T-square	Tape measure

Parts required: #10 x 1" Self-tapping metal screws

Removal

1. Pull the latch release handle (A) to release the vertical cover plate/slide mechanism (B) from the latched position (see figure 2-6 on page 2-15).
2. Position the vertical cover plate/slide mechanism (B) to allow access to the top and bottom edges of the vertical cover plate/slide mechanism (B).
3. Remove the three screws (C) that secure the lower angle (D) to the vertical cover plate/slide mechanism (B) (set the screws aside).
4. Remove the three screws (E) that secure the upper angle (F) to the vertical cover plate/slide mechanism (B) (set the screws aside).
5. Remove the vertical picture frame assembly (G) from the vertical cover plate/slide mechanism (B).
6. Remove the three screws (H) that secure the upper angle (F) to the vertical picture frame assembly (G) (set the screws aside).
7. Remove the upper angle (F).
8. Remove the three screws (I) that secure the lower angle (D) to the vertical picture frame assembly (G) (set the screws aside).
9. Remove the lower angle (D).

Figure 2-6. Vertical Picture Frame Assembly Removal

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Replacement

Exposed Latch Mounting

The vertical picture frame assembly should have these dimensions for the exposed latch configuration:

- Outside dimension of the picture frame should be 37" (94 cm) x 24.75" (62.87 cm).
- Picture frame must be at least 1" (2.5 cm) wide on all four sides.



WARNING:

Do not use glass to cover the artwork in patient rooms. If it is necessary to cover the artwork, use 1/8" (3.17 mm) Plexiglas®¹. The use of glass may cause personal injury.

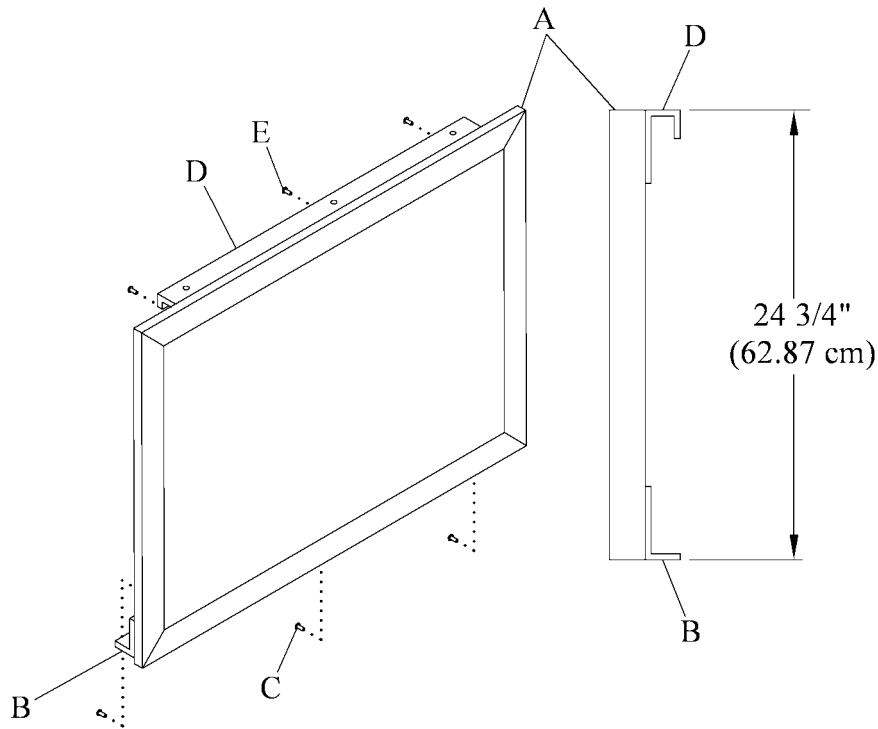


WARNING:

Total weight for frame and acrylic can not exceed 10 lb (5 kg). Equipment damage and personal injury could result.

1. Put the artwork in the vertical picture frame assembly (A) (see figure 2-7 on page 2-17).
2. Put the lower angle (B) flush with the bottom of the vertical picture frame assembly (A). Make sure the lower angle (B) is centered horizontally on the vertical picture frame assembly (A).
3. Use the three screws (C) to secure the lower angle (B) to the vertical picture frame assembly (A).
4. Position the upper angle (D) 24.75" (62.87 cm) from the bottom edge of the lower angle (B). Make sure the upper angle (D) is centered horizontally on the vertical picture frame assembly (A).
5. Use the three screws (E) to secure the upper angle (D) to the vertical picture frame assembly (A).

1. Plexiglas® is a registered trademark of Arkema.

Figure 2-7. Exposed Latch Mounting

148452_1_024

Concealed Latch Mounting

The vertical picture frame assembly should have these dimensions for the concealed latch configuration:

- Outside dimension of the picture frame should be 38" (96.5 cm) x 26.50" (67.3 cm).
- Picture frame must be at least 2.50" (6.4 cm) wide on all four sides.



WARNING:

Do not use glass to cover the artwork in patient rooms. If it is necessary to cover the artwork, use 1/8" (3.17 mm) Plexiglas®¹. The use of glass may cause personal injury.

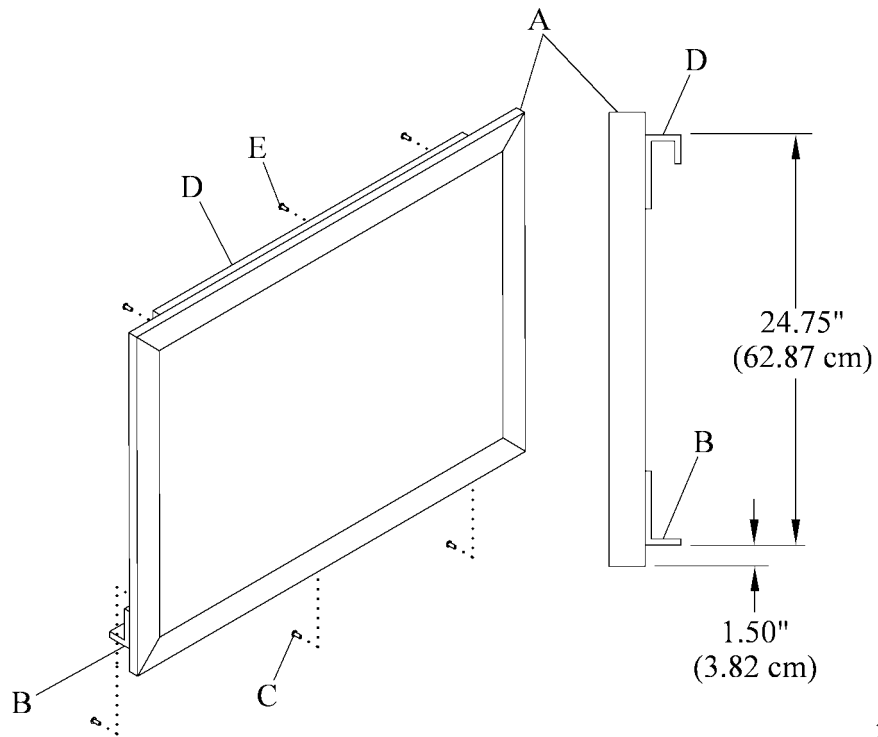


WARNING:

Total weight for frame and acrylic can not exceed 10 lb (5 kg). Equipment damage and personal injury could result.

1. Put the artwork in the vertical picture frame assembly (A) (see figure 2-8 on page 2-19).
2. Put the lower angle (B) 1.50" (3.82 mm) from the bottom of the vertical picture frame assembly (A). Make sure the lower angle (B) is centered horizontally on the vertical picture frame assembly (A).
3. Use the three screws (C) to secure the lower angle (B) to the vertical picture frame assembly (A).
4. Position the upper angle (D) 24.75" (62.87 cm) from the bottom edge of the lower angle (B). Make sure the lower angle (B) is centered horizontally on the vertical picture frame assembly (A).
5. Use the three screws (E) to secure the upper angle (D) to the vertical picture frame assembly (A).

1. Plexiglas® is a registered trademark of Arkema.

Figure 2-8. Concealed Latch Mounting

Replacement of the Vertical Picture Frame Assembly onto the Vertical Cover Plate/Slide Mechanism



WARNING:

Do not use glass to cover the artwork in patient rooms. If it is necessary to cover the artwork, use 1/8" (3.17 mm) Plexiglas®¹. The use of glass may cause personal injury.

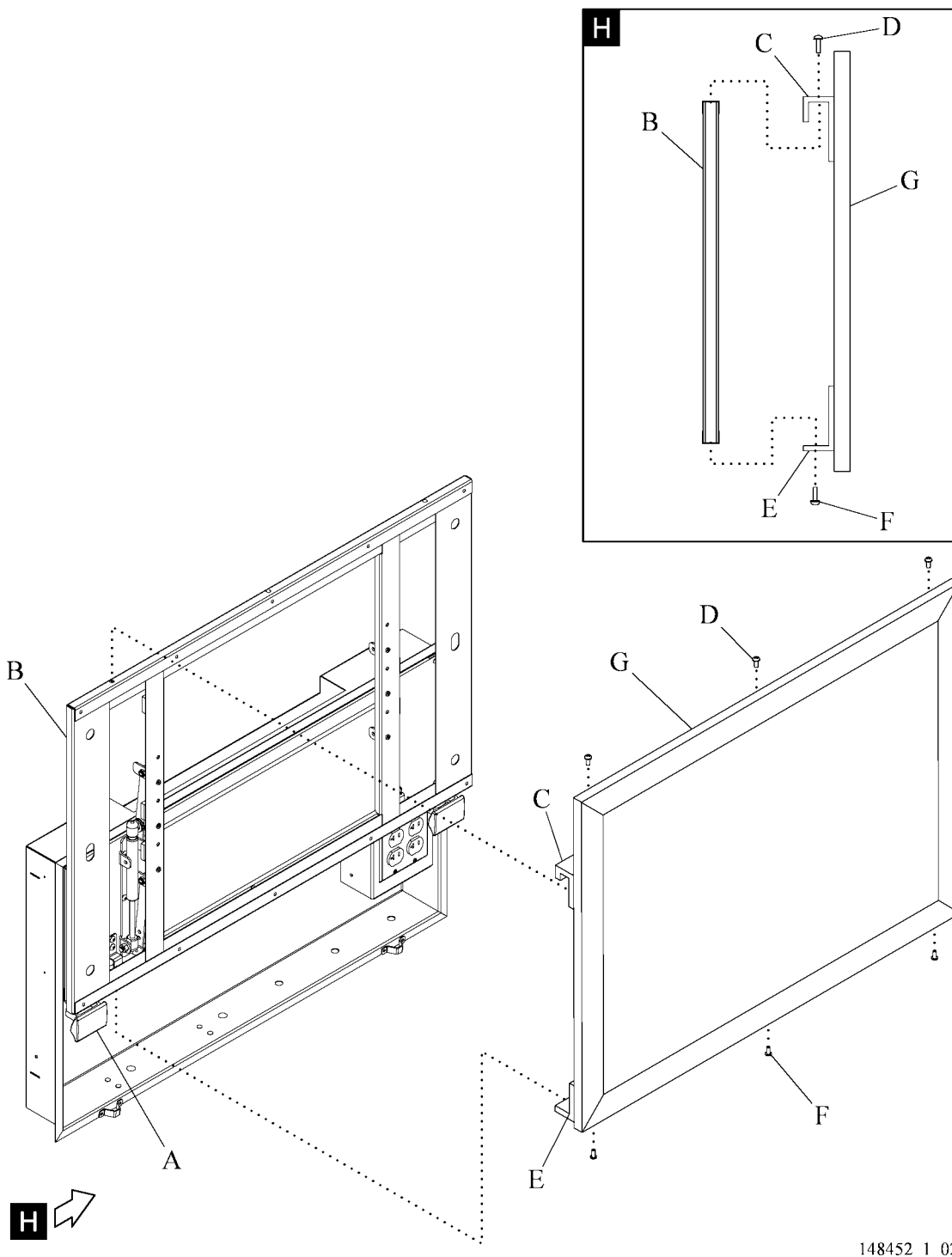


WARNING:

Total weight for frame and acrylic can not exceed 10 lb (5 kg). Equipment damage and personal injury could result.

1. If not already accomplished, install the upper and lower angles onto the vertical picture frame assembly as described in the vertical picture frame assembly replacement section (see “Replacement” on page 2-16).
2. Pull the latch release handle (A) to release the vertical cover plate/slide mechanism (B) from the latched position (see figure 2-9 on page 2-21).
3. Put the vertical cover plate/slide mechanism (B) in a position to allow access to the top and bottom of the vertical cover plate/slide mechanism (B).
4. Put the upper angle (C) over the top of the vertical cover plate/slide mechanism (B).
5. Align the mounting holes in the upper angle (C) with the mounting holes in the vertical cover plate/slide mechanism (B).
6. Use the three screws (D) to secure the upper angle (C) to the vertical cover plate/slide mechanism (B).
7. Slide the top surface of the lower angle (E) under the bottom edge of the vertical cover plate/slide mechanism (B).
8. Align the mounting holes in the lower angle (E) with the mounting holes in the vertical cover plate/slide mechanism (B).
9. Use the three screws (F) to secure the lower angle (E) to the vertical cover plate/slide mechanism (B).

1. Plexiglas® is a registered trademark of Arkema.

Figure 2-9. Vertical Picture Frame Assembly Replacement and Adjustment

148452_1_020

Adjustment

1. Put the vertical cover plate/slide mechanism (B) in the closed and latched position (see figure 2-9 on page 2-21).
2. Use a level and T-square to inspect the vertical picture frame assembly to make sure the vertical picture frame (G) assembly is level and square.
3. If required, adjust the vertical picture frame mounting screws to make sure the artwork is level and square.

2.6 Medical Gas Swivel Mechanism

Tools required: None



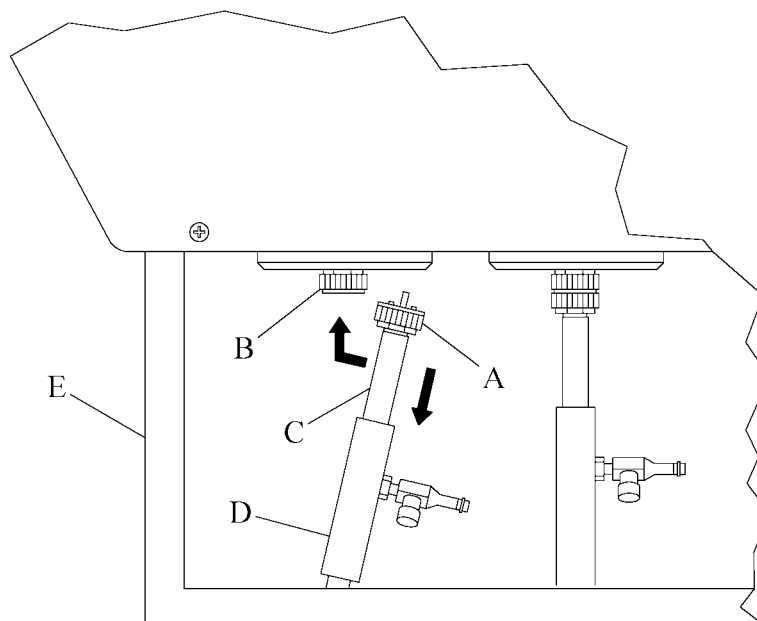
CAUTION:

Always unlock the top fitting of the medical gas swivel mechanism before you attempt to lift and swing the bottom of the mechanism out. Failure to unlock the top of the medical gas swivel mechanism first may cause damage to the top fitting.

Removal

1. Twist the lower ring (A) of the top fitting (B) to unlock it (see figure 2-10 on page 2-23).
2. Pull down on the upper part of the piston (C) to separate it from the top fitting (B).
3. Tilt the top of the medical gas swivel mechanism (D) away from the top fitting (B), then out of the bottom hole of the finished assembly (E) to complete the removal.
4. Repeat steps 1 through 3 for the removal of the rest of the medical gas swivel mechanisms.

Figure 2-10. Medical Gas Swivel Mechanism



148452_1_007

Replacement

1. Install the secondary equipment onto the medical gas swivel mechanism (D) before the medical gas swivel mechanism (D) is installed into the finished assembly (E).



CAUTION:

Make sure the bottom of the medical gas swivel mechanism is inserted first. Failure to do so may cause damage to the top fitting.



WARNING:

Make sure that the secondary equipment is connected to the correct medical gas. Failure to do so may cause patient injury or equipment damage.

2. Install the bottom of the medical gas swivel mechanism (D) at an angle into the hole at the bottom of the gas/electric compartment of the finished assembly (E).
3. Hold the upper half of the piston (C) and press down to compress the spring.
4. Keep the spring compressed and slowly bring the medical gas swivel mechanism (D) upright.
5. At vertical, guide the tip of the medical gas swivel mechanism (D) into the top fitting (B).
6. Rotate the medical gas swivel mechanism (D) until the tip and tabs engage and lock into place.
7. Move the medical gas swivel mechanism (D) to make sure that there is a proper fit.
8. Twist the lower ring (A) to secure the medical gas swivel mechanism (D) to the top fitting (B).
9. Repeat steps 1 through 7 for the other medical gas swivel mechanisms (D).

Adjustment

1. Make sure all the medical gas swivel mechanism units (D) swivel freely and do not bind or leak.
2. Check the alignment and fit of the top fitting (B) to lower ring (A) interface.
3. Twist the lower ring (A) to loosen and tighten the lower ring (A) to the upper fitting (B) interface to make sure the interface is secure.
4. Swivel the medical gas swivel mechanism units (D) to make sure they do not bind.
5. Repeat the removal and replacement procedure if binding or complete range of movement is not correct.

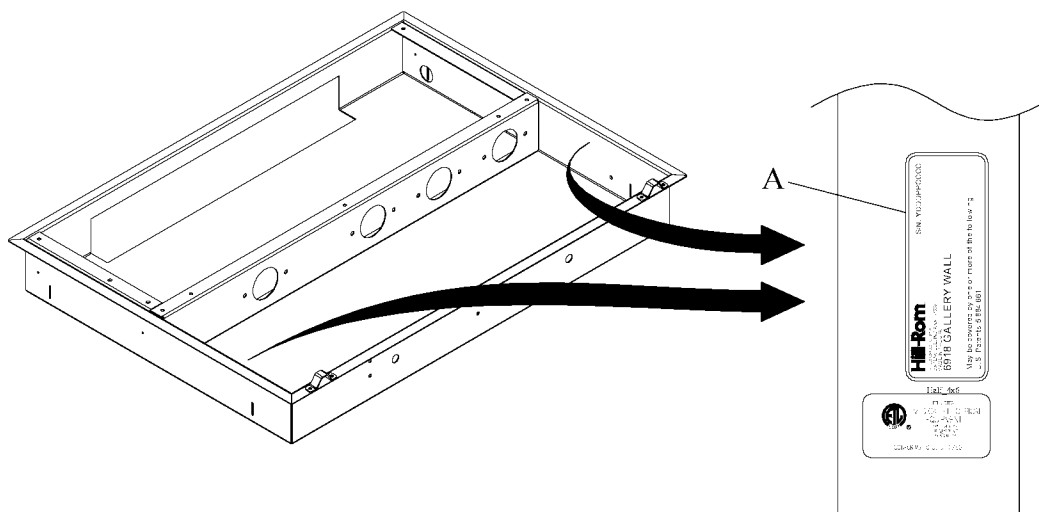
NOTES:

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Service Parts Ordering

Use the parts lists in this manual to identify the necessary part number(s). Find the product number and serial number on the product identification label (see figure 3-1 on page 3-1).

Figure 3-1. Product Identification Label Location



148452_1_022

Call Hill-Rom Technical Support at 800-445-3720 with the data that follows:

- Customer account number
- Purchase order number
- Product number
- Serial number
- Part number(s)

To promptly order the parts, request the part prices and availability, or follow up on a service order, use this Hill-Rom fax number:

812-934-8472

Terms:

- Net 30 days
- F.O.B. Batesville, IN
- Prepaid shipping charges added to invoice
- All orders shipped by ground transportation unless specified

Address all inquiries to:

ATTN TECHNICAL SUPPORT—PARTS
HILL-ROM COMPANY, INC.
1069 STATE ROUTE 46 E
BATESVILLE IN 47006-9167

Address all return goods to:

ATTN SERVICE STORES
DISTRIBUTION CENTER DOOR D23
HILL-ROM COMPANY, INC.
COUNTY ROAD 300E
BATESVILLE IN 47006-9167

NOTE:

To eliminate possible delays or incorrect billings, **do not** return any items without a Return Material Authorization (RMA) number. When a return is requested, an RMA packet is included with each order. This packet includes an RMA number, instructions, and a shipping label. If an RMA number is not available, get one by phoning Hill-Rom Technical Support at 800-445-3720.

Exchange Policy

The policies that follow are for in-warranty and out-of-warranty exchanges from Hill-Rom.

In-Warranty Exchanges

In some cases, Hill-Rom will request that parts/products be returned for inspection. When this occurs, you are expected to return parts/products within 30 days of receipt of the exchange part. If you fail to return the inoperative parts/products within the 30 day period, Hill-Rom will invoice your facility for the full selling price of the parts/products.

NOTE:

The preceding billing procedure is **only** for parts/products that Hill-Rom requests to be returned.

In some cases, the invoice accompanying the parts will show the full selling price (only for internal use at Hill-Rom). Do not confuse this price with your price.

Do not return any parts without an RMA number. When parts/products have been requested to be returned, Hill-Rom will include an RMA packet with the parts/products shipment. If an RMA number is not available, get one by phoning Hill-Rom Technical Support at 800-445-3720.

Out-of-Warranty Exchanges

You are expected to return the inoperative parts/products within 30 days of receipt of the exchange part. Hill-Rom will include an RMA packet with the parts/products shipment. If an RMA number is not available, get one by phoning Hill-Rom Technical Support at 800-445-3720. Hill-Rom will invoice your facility for the full selling price of the parts/products. Upon return of the inoperative parts/products, Hill-Rom will issue a credit to your facility for **the difference between the exchange price and the full selling price of the parts/products**.

Warranty

HILL-ROM COMPANY, INC. LIMITED WARRANTY

Hill-Rom Company, Inc. (Hill-Rom) has a long tradition of providing superior products and service to our customers. Our goal is "Total Customer Satisfaction". In that spirit, Hill-Rom is proud to offer the following warranty.

GENERAL WARRANTY (APPLICABLE UNLESS A SPECIFIC WARRANTY IS LISTED)

Hill-Rom warrants to the original purchaser that its products and replacement parts shall be free from defects in material and workmanship for a period of one (1) year from date of delivery. Hill-Rom's obligation under this warranty is expressly limited to supplying replacement parts and/or service for, or replacing, at its option, any product which is, in the sole discretion of Hill-Rom, found to be defective. In addition to the foregoing one year warranty, Hill-Rom warrants to the original purchaser that the frame and welds on its products will be free from structural defects for the life of the product. Any product upgrade or modification initiated by Hill-Rom does not affect the original product warranty.

SPECIFIC WARRANTIES

MATTRESS WARRANTIES

Hill-Rom warrants to the original purchaser that its mattress product shall be free from defects in material and workmanship for a period of two (2) years from date of delivery. However, electro mechanical mattress components (compressors, valves, printed circuit boards, hoses, and couplers) are covered by the general one (1) year warranty.

EXPENDABLES WARRANTIES

A sixty (60) day limited warranty from date of delivery applies to expendable parts such as cushions, coverlets, software diskettes, locator badge batteries, dome light incandescent bulbs, overhead fluorescent tubes, heating elements, temperature probes, filter sheets, and microspheres. This warranty is limited to replacement of the parts covered.

TO OBTAIN PARTS AND SERVICE

In the United States, call Hill-Rom Technical Support Department at (800) 445-3720, Monday through Friday. In Canada, call Hill-Rom Technical Support Department at (800) 267-2337, Monday through Friday. Outside the United States and Canada, call your authorized Hill-Rom Distributor. In order to expedite service, we request you furnish the following information: customer identification number, product model number, serial number, and description of problem. A qualified specialist will provide, via telephone (United States and Canada), or FAX (Outside the United States and Canada), troubleshooting assistance for facility personnel and provide necessary parts to make repairs. If troubleshooting determines the need for on-site technical service, a qualified service representative will be dispatched. Replacement of non-technical items will be the responsibility of the customer. If requested by Hill-Rom, products or parts for which a warranty claim is made shall be returned prepaid to Hill-Rom's factory.

OUT OF WARRANTY EXCHANGE POLICY

After the expiration of the original warranty, upon request, Hill-Rom will ship as a replacement, components such as selected: motors and printed circuit boards, for like units returned to Hill-Rom by the original purchaser at a substantial savings. Please call Hill-Rom Technical Support Department for current pricing.

PARTS AVAILABILITY POLICY

Hill-Rom will offer parts for new and remanufactured products for ten (10) years from date of sale; for communications products for five (5) years from date of sale.

Note: Some original component parts and assemblies may not be available; functional equivalents may be substituted.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OF PURPOSE. HILL-ROM'S OBLIGATION UNDER THESE WARRANTIES SHALL NOT INCLUDE ANY LIABILITY FOR LOSS OF PROFITS, DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES OR DELAYS. Some states, provinces, or countries do not allow the exclusion or

limitation of incidental or consequential damages, so the above exclusion or limitation may not apply. Any improper or negligent use, any alterations or repairs not in accordance with Hill-Rom's manuals or performed by others in such manner as in Hill-Rom's sole judgment affects the product materially and adversely, shall void these warranties. These warranties do not cover failures due to misuse, abuse, neglect, or lack of routine maintenance. No employee or representative of Hill-Rom is authorized to change these warranties in any way or grant any other warranty unless in writing and signed by a Hill-Rom officer. These warranties provide specific legal rights; but, there may be other available rights, which vary from state to state, province to province, or country to country.

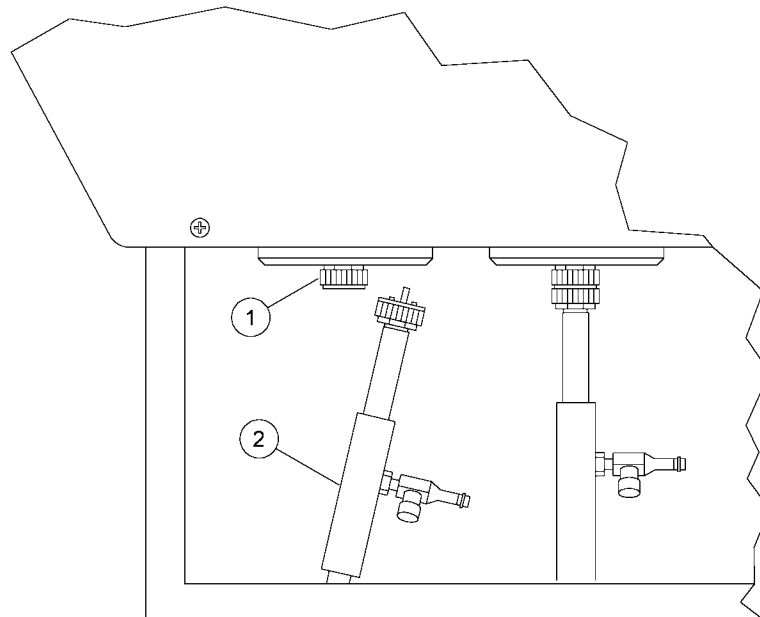
Revised July 6, 2001

Hill-Rom Company, Inc., 1069 State Route 46 E, Batesville, IN 47006-9167

NOTES:

Medical Gas Swivel Mechanism

Figure 3-2. Medical Gas Swivel Mechanism



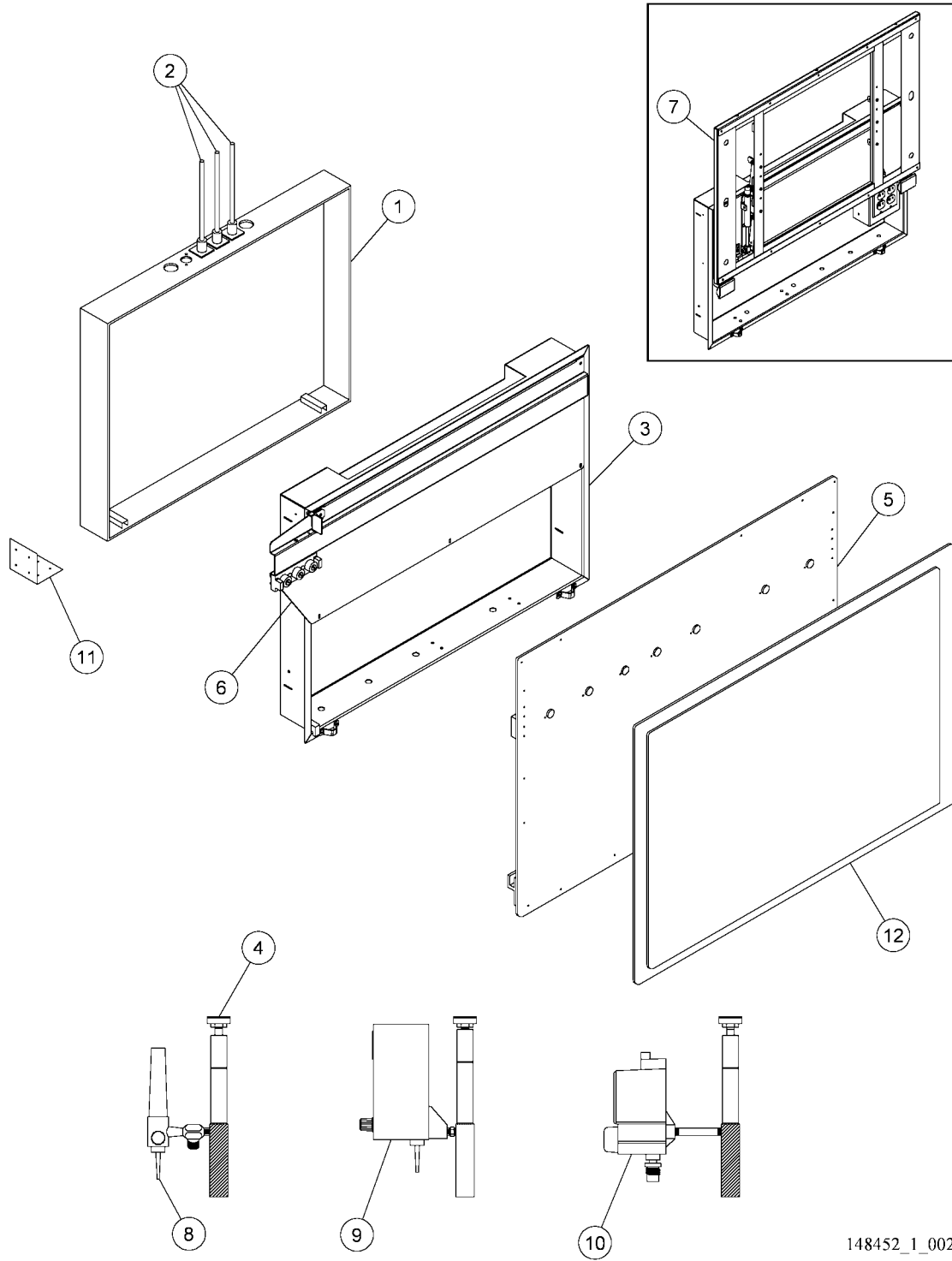
148452_1_003

Table 3-1. Medical Gas Swivel Mechanism

Item Number	Part Number	Quantity	Description
1	205077		Outlet assembly, oxygen
	205079		Outlet assembly, vacuum
	205078		Outlet assembly, air
2	P69188180000		Swivel assembly, oxygen
	P69188180001		Swivel assembly, vacuum
	P69188180002		Swivel assembly, air

Gallery Wall

Figure 3-3. Gallery Wall



3

148452_1_002

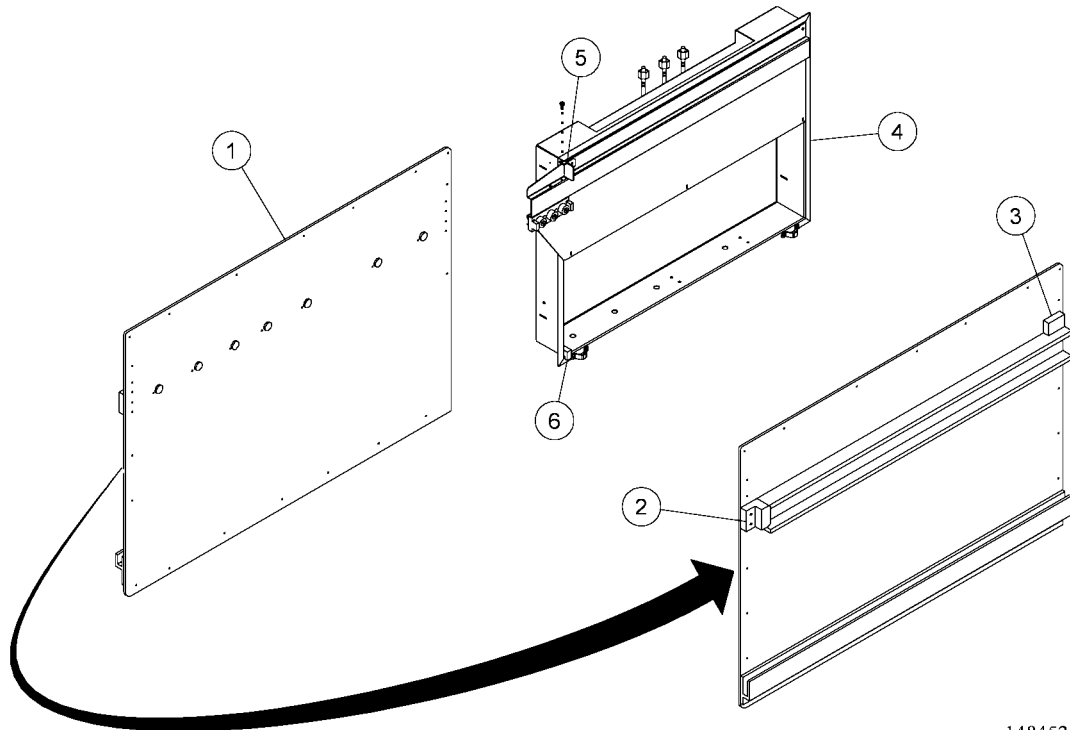
Table 3-2. Gallery Wall

Item Number	Part Number	Quantity	Description
1	P691891801	1	Rough-in assembly—small
	or P691891802		Rough-in assembly—large
2	P2025401	1	Gas riser, medical air
	P2025402	1	Gas riser, oxygen
	P2025403	1	Gas riser, vacuum
3	69187180018	1	Enclosure assembly, 3 gas lh—horizontal
	or 69187180019		Enclosure assembly, 3 gas rh—horizontal
	or 69187180022		Enclosure assembly, 4 gas lh—horizontal
	or 69187180023		Enclosure assembly, 4 gas rh—horizontal
	146374	1	Weldment Enclosure assembly large, rh—vertical
	or 147714		Weldment Enclosure assembly large, lh—vertical
	or 147717		Weldment Enclosure assembly small, rh—vertical
	or 147720		Weldment Enclosure assembly small, lh—vertical
4	See table 3-1 on page 3-6	1	Medical gas swivel mechanism
5	141234	1	Picture frame assembly, rh
	141233	1	Picture frame assembly, lh

Item Number	Part Number	Quantity	Description
6	141227	1	Cover plate, without cutout lh
	or 141228		Cover plate, without cutout rh
	or 141229		Cover plate, with cutout lh
	or 141230		Cover plate, with cutout rh
	or 141231		Cover plate, 4 gas lh
	or 141232		Cover plate, 4 gas rh
7	147704	1	Cover/frame assembly, small
	147703	1	Cover/frame assembly, large
8	P69188180003	1	Flowmeter—oxygen
	P69188180004	1	Flowmeter—air
9	P69188180006	1	Intermittent suction unit
10	P69188180005	1	Continuous suction unit
11	68122000738	4	Right angle brackets (optional)
12	None	1	Artwork, supplied by others
Not shown	68122000739	as necessary	Screw

Picture Frame Assembly—Horizontal

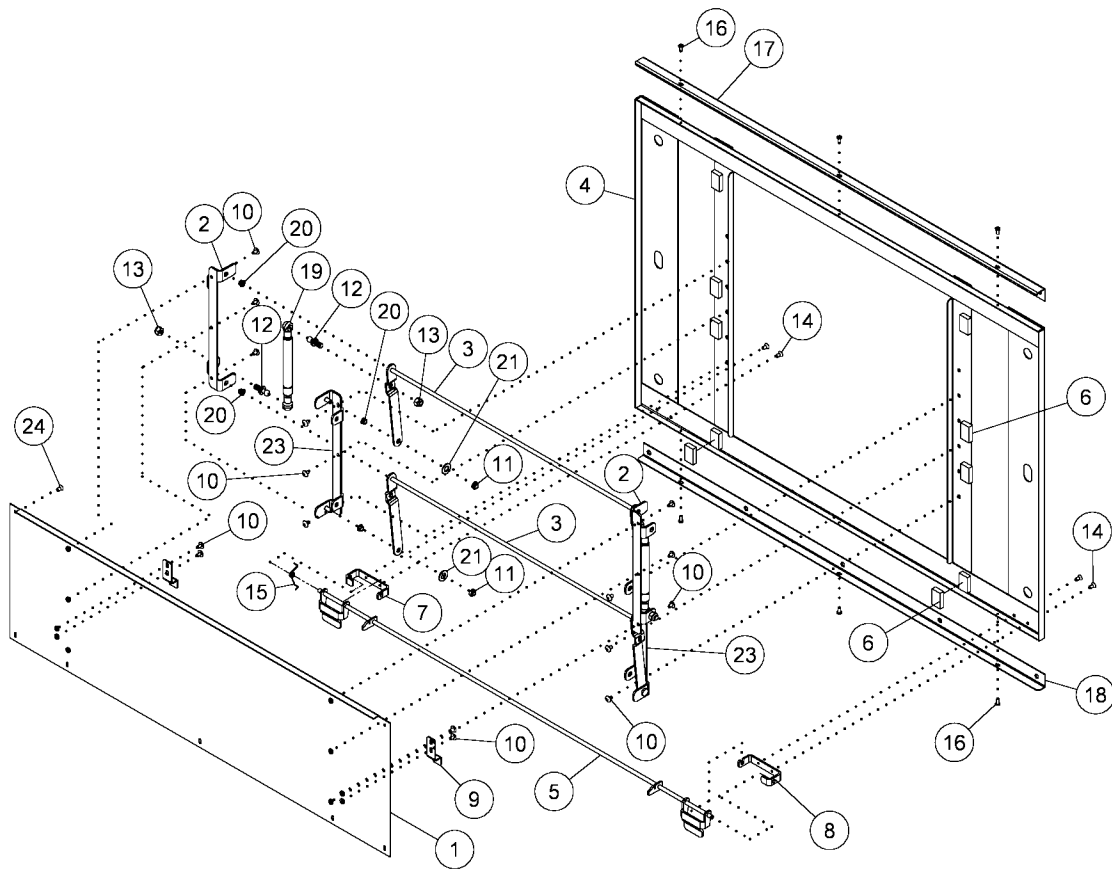
Figure 3-4. Picture Frame Assembly—Horizontal



148452_1_004

Table 3-3. Picture Frame Assembly—Horizontal

Item Number	Part Number	Quantity	Description
1	141234	1	Picture frame assembly, 3 gas rh
	141233	1	Picture frame assembly, 3 gas lh
2	68122000875	1	Rounded stop
3	68122000876	1	Stop
4	See table 3-2 on page 3-8	1	Enclosure assembly
5	147804	1	Stop bracket
6	68122000874	1	Lower guide

Picture Frame Assembly—Vertical**Figure 3-5. Picture Frame Assembly—Vertical****3**

148452_1_011

Table 3-4. Picture Frame Assembly—Vertical

Item Number	Part Number	Quantity	Description
1	147098 147705	1	Cover, gallery wall—large Cover, gallery wall—small
2	147099	2	Pivot bracket, gallery wall
3	147106	2	Pivot arm assembly
4	147107	1	Frame assembly, gallery wall
5	147357	1	Latch assembly, gallery wall
6	55743	10	Foam tape, bumper
7	147350	1	Hanger, latch—lh
8	147351	1	Hanger, latch—rh
9	147353	2	Catch, Frame—upper
10	54610-01	16	Screw, truss head—#10-32 x 5/16"
11	58276	4	Nut, nylock—1/4-20, 0.218"
12	147661	4	Ball, stud—5/16-18, 1/2" hex
13	60619	4	Nylock nut—5/16-18
14	58000 23000	4	Screw, flat head—#10-32 x 3/8"
15	143394	1	Torsion spring, lock out
16	5701804	6	Screw, roll pan—8-32, 3/8 c.d.
17	147021	1	Picture mount—upper angle
18	147020	1	Picture mount—lower angle
19	147660	2	Gas spring—150 N
20	68808	8	Nyliner bearing—1/4" i.d.
21	60621	4	Washer, nylon flat—0.390", 0.750", 0.062"
22	59028	2	Conduit tie down
23	148417	2	Weldment, pivot bracket
24	52243201	7	Screw, pan head, SEM, rnd, zn—8-32, 3/8"

**Global Headquarters US**

Hill-Rom Company, Inc.
1069 State Route 46 E
Batesville, IN 47006-9167
Tel: 800-445-3720
www.hill-rom.com

US Rental Therapy

Hill-Rom Company, Inc.
Tel: 800-638-2546

St. Paul, MN

Hill-Rom Company, Inc.
Tel: 651-490-1468 or 800-426-4224
www.thevest.com

International

Hill-Rom Company, Inc.
Tel: +1 (0)812 934 8173
Fax: +1 (0)812 934 7191
www.hill-rom.com
international@hill-rom.com

Australia

Hill-Rom Australia Pty. Ltd.
Tel: +61 (0)2 8814 3000
Fax: +61 (0)2 8814 3030

Belgique/België

Hill-Rom Medical Services BV
Tel: +31 (0)347 / 32 35 32
Fax: +31 (0)347 / 32 35 00

Canada

Hill-Rom Canada
Tel: 800-267-2337

中国

Hill-Rom Shanghai
Tel: +86 (0)21 5396 6933
Fax: +86 (0)21 5383 3136

Deutschland

Hill-Rom GmbH
Tel: +49 (0)211 16450 0
Fax: +49 (0)211 16450 182

España

Hill-Rom Iberia S.L.
Tel: +34 (0)93 685 6009
Fax: +34 (0)93 666 5570

France

Hill-Rom SAS
Tel: +33 (0)2 97 50 92 12
Service: +33 (0)820 01 23 45
Fax: +33 (0)2 97 50 92 00

香港 Hong Kong

Hill-Rom Asia Ltd.
Tel: +852 (0)2297-2395
Fax: +852 (0)2297-0090

Ireland

Hill-Rom Ltd.
Tel: +353 (0)1 413 6005
Fax: +353 (0)1 413 6030
dublin.sales@hill-rom.com

Italia

Hill-Rom S.p.A.
Tel: +39 (0)02 / 950541
Fax: +39 (0)02 / 95328578

日本

Hill-Rom Japan
Tel: +81 (0)3 5715 3420
Fax: +81 (0)3 5715 3425

대한민국

c/o Hill-Rom Japan
Tel: +81 (0)3 5715 3420
Fax: +81 (0)3 5715 3425

Nederland

Hill-Rom Medical Services BV
Tel: +31 (0)347 / 32 35 32
Fax: +31 (0)347 / 32 35 00

New Zealand

Hill-Rom Australia Pty. Ltd.
Tel: +61 (0)2 8814 3000
Fax: +61 (0)2 8814 3030

Nordic Region:**Sverige, Denmark, Norge**

Hill-Rom AB
Tel: +46 (0)8 564 353 60
Fax: +46 (0)8 564 353 61
se.marketing@hill-rom.com

Österreich

Hill-Rom Austria GmbH
Tel: +43 (0)2243 / 28550
Fax: +43 (0)2243 / 28550-19
austria@hill-rom.com

Portugal

Hill-Rom Iberia S.L.
Tel: +34 (0)93 685 6009
Fax: +34 (0)93 666 5570

South East Asia

Hill-Rom Singapore
Tel: +65 (0)6391 1322
Fax: +65 (0)6391 1324

Suisse/Schweiz

Hill-Rom SA
Tel: +41 (0)21 / 706 21 30
Fax: +41 (0)21 / 706 21 33
hrch.info@hill-rom

United Kingdom

Hill-Rom Ltd.
Tel: +44 (0)1530 411000
Fax: +44 (0)1530 411555
