

# **WALLSTAND**

**MODEL S108**

**INSTALLATION INSTRUCTIONS**

**A811-01 REV. K**

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

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**INSTALLATION, SERVICE, AND OPERATING MANUALTEXT REVISION HISTORY**


Revision	Description	Release Date
D	Create manual text ECR #2064	December, 2000
E	ECR 3319	September, 2003
F	This manual applied to S107 & S108, now S108 only	October, 2011
G	Pg 5 – Added “with cover”; Pg 6 – Added “11. Install the wall bracket cover (see figure 2, pg 7)”; Added Pg 7 and figure 2.	March, 2014
H	Pg. 6- Added brake adjustment instructions and warning	May, 2014
J	Removed Section 1.2; Replaced Section 1.1 with Symbol Table	November, 2016
K	Updated address to Niles, IL; Added Section 1.3 Notices	June, 2017

## 1.0 DEFINITIONS AND SPECIFICATIONS

### 1.1 Definition of symbols used on the equipment

Symbol Legends	
Symbol	Definition
	Date of manufacture
	Manufacturer
	Serial Number
	Reference Number (Model/Part Number)
	Keep Dry
	NOTE This symbol represents Information that assists the user of the manual in the performance of a task. It may provide the user with better methods of conducting the task, or it may point out conditions that could cause the system to fail to operate properly.
 CAUTION	Points out special procedures, or precautions, that personnel must follow to avoid equipment damage.
 WARNING	Identifies situations or actions that may affect patient or user safety. Disregarding a warning could result in patient or user injury.
	TYPE B APPLIED PART This symbol indicates equipment providing a particular degree of protection against electric shock, particularly regarding allowable leakage currents and reliability of the protective earth connection (if present).
	This symbol indicates an Electro Sensitive Device is present which must be carefully handled to prevent damage to the device.
	ELECTRIC SHOCK HAZARD WARNING This symbol indicates an electric shock hazard.
	DANGER VOLTAGE This symbol indicates hazards arising from dangerous voltages.
	DIRECT CURRENT This symbol indicates a direct current source.
	PROTECTIVE EARTH TERMINATIONS This symbol indicates protective earth terminations in device.

## 1.2 Specification Summary Table

SPECIFICATION SUMMARY TABLE	
Electrical Ratings	None
Maximum Safe Working Load	50 lbs (22.5 kg)
Environmental Conditions	Temperature range for: Transport and Storage      Use -40° F to +158° F            +50° F to +104° F -40° C to +70° C            +10° C to +40° C  Relative Humidity Limits for: Transport and Storage      Use 10% to 100%                    30% to 75%  Atmospheric pressure range for: Transport and Storage      Use 14.67 inHg to 31.30 inHg    20.67 inHg to 31.30 inHg 500 hPa to 1060 hPa        700 hPa to 1060 hPa
Information regarding potential EMC interference and advice for avoidance	<ul style="list-style-type: none"> <li>• Mains power quality should be that of a typical commercial or hospital environment</li> <li>• Power frequency magnetic fields should be at levels characteristic of a typical location in a commercial or hospital environment</li> </ul>
Degree of protection against harmful ingress of water	IPXO/Ordinary
Degree of protection against electric shock	Class I, Type B Applied Parts 
Equipment not suitable for use with flammable anesthetic mixture with air or with oxygen or nitrous oxide.	

## 1.3 Notices

### Intended Use

This is an x-ray wallstand, a mechanical device intended to hold and position an X-ray image receptor during a radiographic procedures.

### Attenuation

All included components between the patient and image receptor have been certified to comply with 21 CFR Chapter 1 Subchapter J (§1020.30). For any such components added to the system it is the responsibility of the installer to ensure compliance.

### Cleaning

The manufacturer recommends disinfection of the equipment between uses for any surfaces that may come in contact with the patient during a radiographic procedure.

## 2.0 INSTALLATION INSTRUCTIONS – WALLSTAND

- (1) Column Carton: includes column, counter weight, slide, pulleys
- (1) Accessory Carton:
  - (1) Instruction manual
  - (1) Floor Plate
  - (1) Wall Bracket (Flush or Offset application) with cover
  - (2) Upper and lower mounting channels for film cabinet or bucky
  - (1) Mechanical lock assembly
  - (1) Brake handle support bracket
  - (2) Column side covers
  - (1) Column cap
  - Trim Weights
  - (1) Chin rest kit

## 3.0 ASSEMBLY NOTES

- 1) Most required fasteners will be found attached to the part they are used on.
- 2) Unpack and inspect all parts prior to assembly.



### WARNING

- |   |
|---|
| <ul style="list-style-type: none"><li>3) To avoid possible injury, do not insert fingers or hands into counter weight access openings on sides of column.</li></ul> |
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## 4.0 WALLSTAND ASSEMBLY GUIDE

1. Attach the floor plate.
2. Slide is shipped factory-assembled in column.
3. Install the mechanical lock assembly with handle either towards the left or right.

ADJUSTMENT OF VERTICAL LOCK: The lock comes pre-adjusted from the factory to provide a lock force of between 10-25 pounds of lock force. After the manual vertical lock is installed, and if adjustments need to be made, turning the 7/16" hex head bolt counter-clockwise increases the vertical lock force and turning it clockwise decreases the lock force.

WARNING: Do not over-tighten the 7/16" hex head bolt of the vertical lock. Doing so can cause premature failure in the retaining rings and bushings, which are critical to the lock's function. When properly adjusted, the lock should produce between 10-25 pounds of lock force and when unlocked, should not drag or chatter. The lock force should be measured and verified to be with the specified range prior to putting the unit into service.

4. Install the mounting bars.
5. Stand up the column assembly and attach to the wall and floor with appropriate fasteners (not supplied).
6. Install the grid cabinet or bucky.
7. Install brake handle support bracket.
8. Slide the cap in place.
9. Add trim weights as required.
10. Install the side covers.
11. Install the wall bracket cover (see Figure 2, Pg 8)

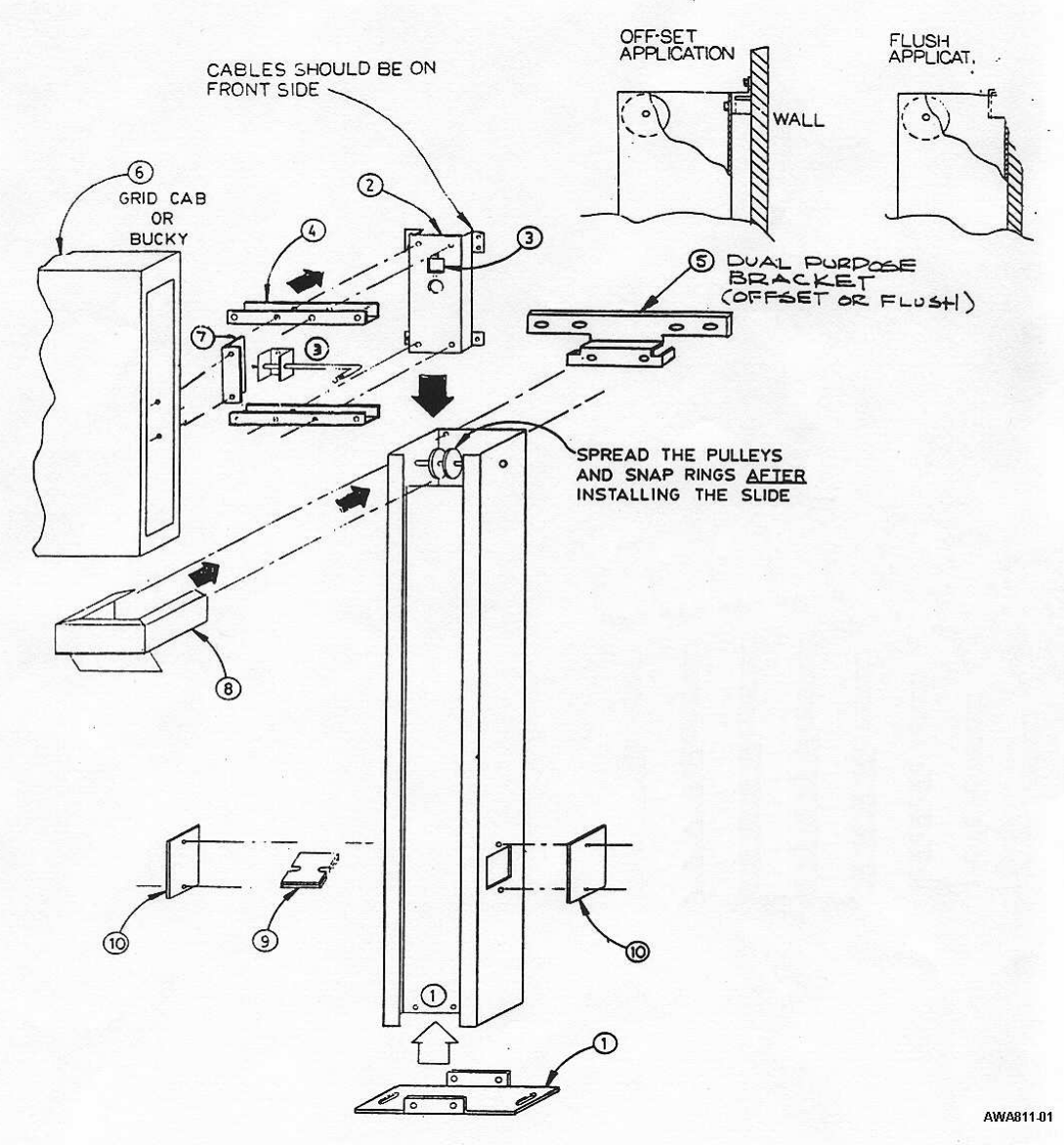


Figure 1

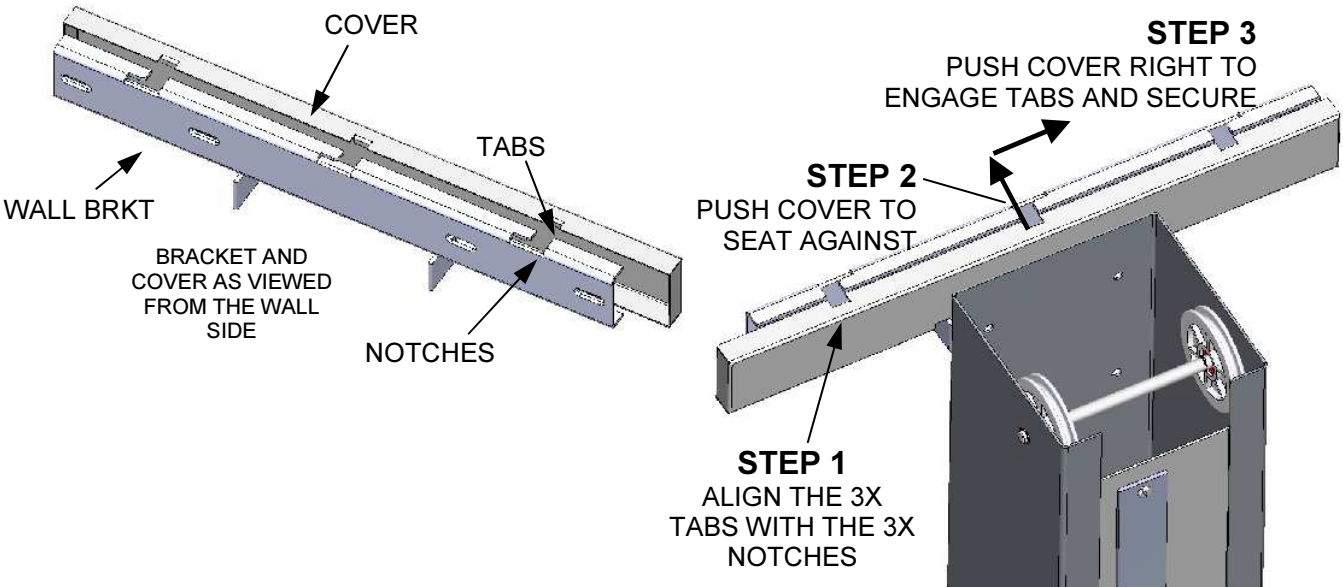


Figure 2: Installing the Wall Bracket Cover