



nVent HOFFMAN WAMTF Operator Adapter Instruction Manual

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nVent HOFFMAN WAMTF Operator Adapter



Operator Adapter WAMTF

The Operator Adapter WAMTF is a component used for the installation of Westinghouse Type AMT Flex Shaft Handle Mechanisms for Circuit Breakers. It is designed to provide proper fits and clearances for the equipment being installed.

Parts List

- Adapter Plate, Catalog Number WAMTF (Part No. 27206002) – 1 piece
- Plate Gasket (Part No. 89109613) – 1 piece
- Screw, 1/4-20X1/2 Pan Head (Part No. 99401031) – 4 pieces
- Slide Arm (Part No. 26250001) – 1 piece
- Shoulder Collar (Part No. 26149001) – 1 piece
- Screw, 1/4-20X7/8 Hex Head (Part No. 99401030) – 1 piece
- Lockwasher, 1/4 Spring (Part No. 99401318) – 1 piece
- Washer, Flat (Part No. 22101003) – 2 pieces
- Lockwasher, 1/4 Internal Teeth (Part No. 99401300) – 2 pieces
- Nut, 1/4-20 Hex (Part No. 99401406) – 2 pieces
- Interlock Blade (Part No. 26199002) – 1 piece
- Screw, 10-32X3/8 Pan Head (Part No. 99401007) – 2 pieces
- Lockwasher, #10 Internal Teeth (Part No. 99401307) – 2 pieces
- Nylon Washer (Part No. 26132003) – 4 pieces
- Installation Instructions (Part No. 89114654) – 1 piece

Product Usage Instructions

Introduction

This installation instruction is for Westinghouse and Flex Shaft AMT cable mechanisms for circuit breakers, excluding F-Frame circuit breakers. These mechanisms are designed for use with disconnect switches and circuit breakers mounted in Hoffman two-door, floor-mounted enclosures with the disconnect on the right flange.

Product Installation Steps

Step 1

Install the adapter plate (item 1) and plate gasket (item 2) on the inside of the enclosure, behind the rectangular opening provided. Attach the gasket side with PSA to the adapter plate. Secure the plate and gasket in place using four screws (item 3) and four nylon washers (item 14).

Step 2

Assemble the Westinghouse AMTOP operating handle to the mounting plate installed in step 1. Omit the cap screw and lockwasher that fit into the bottom hole of the AMTOP operating handle.

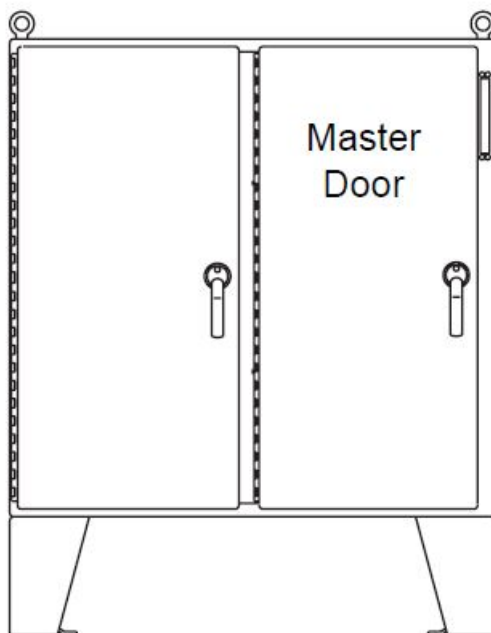
Step 4

Attach the bottom of the slide arm (item 4) to the offset arm of the lock release mechanism. Use two flat washers (item 8), two lockwashers (item 9), and two hex nuts (item 10). Do not tighten these parts until adjustments are made (see step 5B).

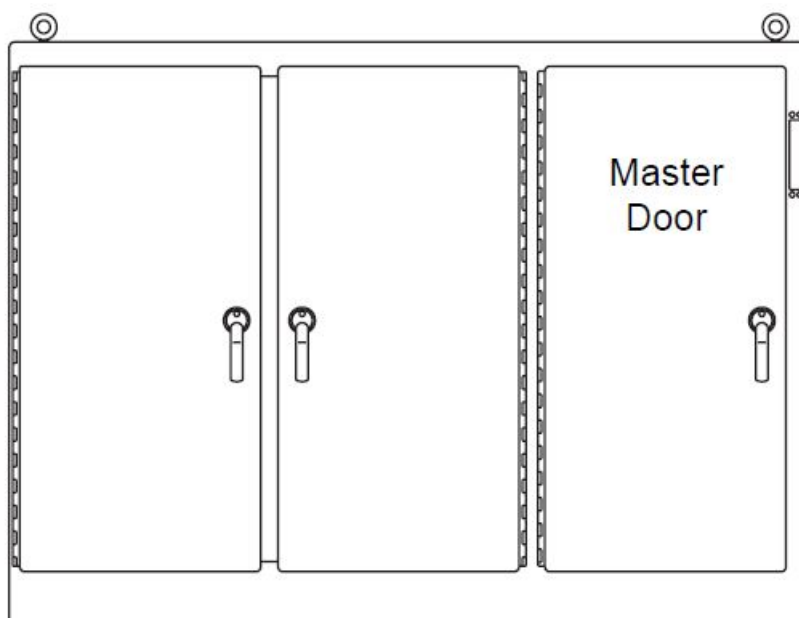
OPERATOR ADAPTER WAMTF

Installation Instructions for Westinghouse Type AMT Flex Shaft Handle Mechanisms for Circuit Breakers

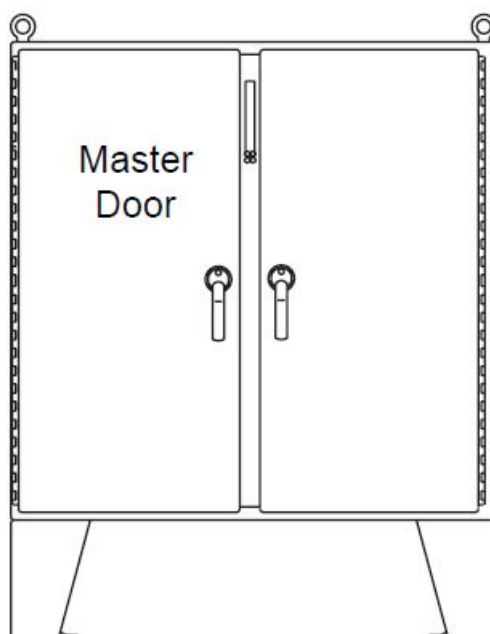
- For floor-mounted enclosures with the disconnect on the right flange.



- For one- through six-door free-standing enclosures with the disconnect the the right flange.



- For floor-mounted enclosures with the disconnect on the centerpost.



WARNING

- The functions, fits and clearances of the installation described hereon are calculated from information supplied by the manufacturers of the equipment to be installed. Be certain to check the function, fits and clearances of all equipment both before and after installation to assure that it operates properly and safely and meets all applicable codes, standards and regulations.
- In the event the completed installation does not function properly or fails to meet any such codes, standards or regulations, do not attempt to make alterations or operate the equipment. Report such facts immediately to:

Parts List

Operator Adapter, Catalog Number WAMTF, Westinghouse Type AMT Below-Handle Mechanisms and Flex Shaft Mechanisms.

Item No.	Description	Part No.	Qty.
1	ADAPTER PLATE, WEST AMT.	27206002	1
2	PLATE GASKET	89109613	1
3	SCREW, 1/4-20X1/2 PAN HEAD	99401031	4
4	SLIDE ARM	26250001	1
5	SHOULDER COLLAR	26149001	1
6	SCREW, 1/4-20X7/8 HEX HEAD	99401030	1
7	LOCKWASHER, 1/4 SPRING	99401318	1
8	WASHER, FLAT	22101003	2

9	LOCKWASHER, 1/4 INTERNAL TEETH	99401300	2
10	NUT, 1/4-20 HEX	99401406	2
11	INTERLOCK BLADE	26199002	1
12	SCREW, 10-32X3/8 PAN HEAD	99401007	2
13	LOCKWASHER, #10 INTERNAL TEETH	99401307	2
15	NYLON WASHER	26132003	4
16	INSTALLATION INSTRUCTIONS	89114654	1

Notes

1. Adapter plate to be used for all Flex Shaft cable mechanisms.

2. Use slide arm (item 4) for all AMT Flex Shaft cable mechanisms and AMT Flex Shaft cable mechanisms. Use slide arm (item 14) only for AMT Flex Shaft mechanisms for circuit breakers except for F Frame circuit breakers.

INTRODUCTION

This installation instruction is for Westinghouse and Flex Shaft AMT cable mechanisms for circuit breakers except for F-Frame circuit breakers. These mechanisms are for disconnect switches and circuit breakers mounted in Hoffman two door, floor– mounted, enclosures with the disconnect on the right flange.

INSTALLATION STEPS

Step 1

Install adapter plate (item 1) and plate gasket (item 2) on the inside of the enclosure, behind the rectangular opening provided. Gasket side with PSA should be attached to adapter plate. Secure in place with four screws (item 3) and four nylon washers (item 14).

Step 2

Assemble the Westinghouse “AMTOP” operating handle to the mounting plate which was installed in the enclosure in step 1. Omit cap screw and lockwasher which fits into bottom hole of “AMTOP” operating handle.

Step 3

Install the slide arm (item 4) over the projecting part of the “AMTOP” operating handle as shown. Note that bottom holes in slide arm are not on center of slide arm. Place the smaller diameter end of the shoulder collar (item 5) through the oval slot in the slide arm. Install long cap screw (item 6) with lockwasher (item 7) through shoulder collar into the bottom mounting hole of the “AMTOP” operating handle and tighten. The slide arm should move up and down smoothly. Install interlock lever extension per Westinghouse instructions.

Step 4

Attach the bottom of the slide arm (item 4) to the offset arm of the lock release mechanism. Use two flat washers (item 8), two lockwashers (item 9), and two hex nuts (item 10). Do not tighten until parts are adjusted (see step 5B)

Step 5

The handle safety lock release mechanism is adjustable in two places.

- **A:** Check the adjustment of the factory installed roller bracket. The door latch should hit against the latch stop portion of the roller bracket when the door is closed and latched. Adjust up or down if necessary. The attached mechanism will then provide the necessary up–down motion required to operate the release mechanism in the “AMTOP” operating handle.
- **B:** Adjust the length of the slide arm assembly. With proper adjustment of the slide arm, the safety lock (in “AMTOP” operating handle) should release just before the master door is fully latched. Lengthen slide arm if safety lock releases too soon. Shorten slide arm if safety lock releases too late.

Step 6

Attach the cover interlock blade (item 11), provided by Hoffman, to the tapped spacer on the door using the bottom set of mounting holes. Used the two screws (item 12) and lockwashers (item 13). The cover interlock blade prevents the door from being opened when the “AMTOP” operating handle is in the “ON” position. This blade may be adjusted up or down to hook properly on the interlock lever extension. The blade (item 11) must be positioned so the bottom edge of blade clears the interlock lever extension by 1/4 inch when “AMTOP” operating handle is in extreme “OFF” position.

Step 7

Drill and tap holes in panel for disconnect required per Westinghouse instructions. See Westinghouse instructions for location and size of mounting holes.

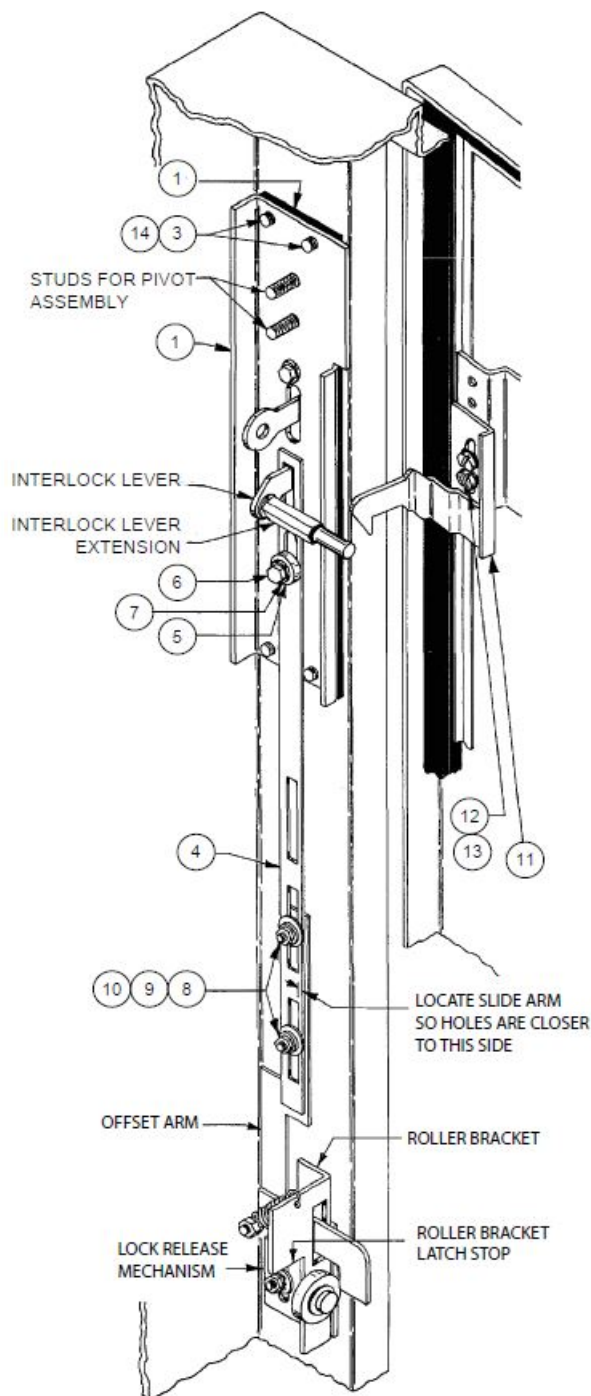
Step 8

Install panel in enclosure.

Step 9

Mount disconnect switch or circuit breaker on panel using Westinghouse instructions and parts.

For Two-Door, Floor-Mounted Enclosures with Disconnect on Right Flange.



INTRODUCTION

This installation instruction is for Westinghouse Flex Shaft AMT cable mechanisms for circuit breakers, except for F-Frame circuit breakers. These mechanisms are for disconnect switches and circuit breakers mounted in Hoffman one through six door, free-standing, enclosures with the disconnect on the right flange.

INSTALLATION STEPS

Step 1

Install adapter plate (item 1) and plate gasket (item 2) on the inside of the enclosure, behind the rectangular opening provided. Gasket side with PSA should be attached to the adapter plate. Secure in place with four screws (item 3) and four nylon washers (item 14).

Step 2

Assemble the Westinghouse “AMTOP” operating handle to the mounting plate which was installed in the enclosure in step 1. Omit cap screw and lockwasher which fits into bottom hole of “AMTOP” operating handle.

Step 3

Install the slide arm (item 4) over the projecting part of the “AMTOP” operating handle as shown. Note that bottom holes in slide arm are not on center of slide arm. Place the smaller diameter end of the shoulder collar (item 5) through the oval slot in the slide arm. Install long cap screw (item 6) with lockwasher (item 7) through shoulder collar into the bottom mounting hole of the “AMTOP” operating handle and tighten. The slide arm should move up and down smoothly. Install interlock lever extension per Westinghouse instructions.

Step 4

Attach the bottom of the slide arm (item 4) to the offset arm of the lock release mechanism. Use two flat washers (item 8), two lockwashers (item 9), and two hex nuts (item 10). Do not tighten until parts are adjusted (see step 5B)

Step 5

The handle safety lock release mechanism is adjustable in two places.

- **A:** Check the adjustment of the factory installed roller bracket. The door latch should hit against the latch stop portion of the roller bracket when the door is closed and latched. Adjust up or down if necessary. The attached mechanism will then provide the necessary up–down motion required to operate the release mechanism in the “AMTOP” operating handle.
- **B:** Adjust the length of the slide arm assembly. With proper adjustment of the slide arm, the safety lock (in “AMTOP” operating handle) should release just before the master door is fully latched. Lengthen slide arm if safety lock releases too soon. Shorten slide arm if safety lock releases too late.

Step 6

Attach the cover interlock blade (item 11), provided by Hoffman, to the tapped spacer on the door using the bottom set of mounting holes. Used the two screws (item 12) and lockwashers (item 13). The cover interlock blade prevents the door from being opened when the “AMTOP” operating handle is in the “ON” position. This blade may be adjusted up or down to hook properly on the interlock lever extension. The blade (item 11) must be positioned so the bottom edge of blade clears the interlock lever extension by 1/4 inch when “AMTOP” operating handle is in extreme “OFF” position.

Step 7

Drill and tap holes in panel for disconnect required per Westinghouse instructions. See Westinghouse instructions for location and size of mounting holes.

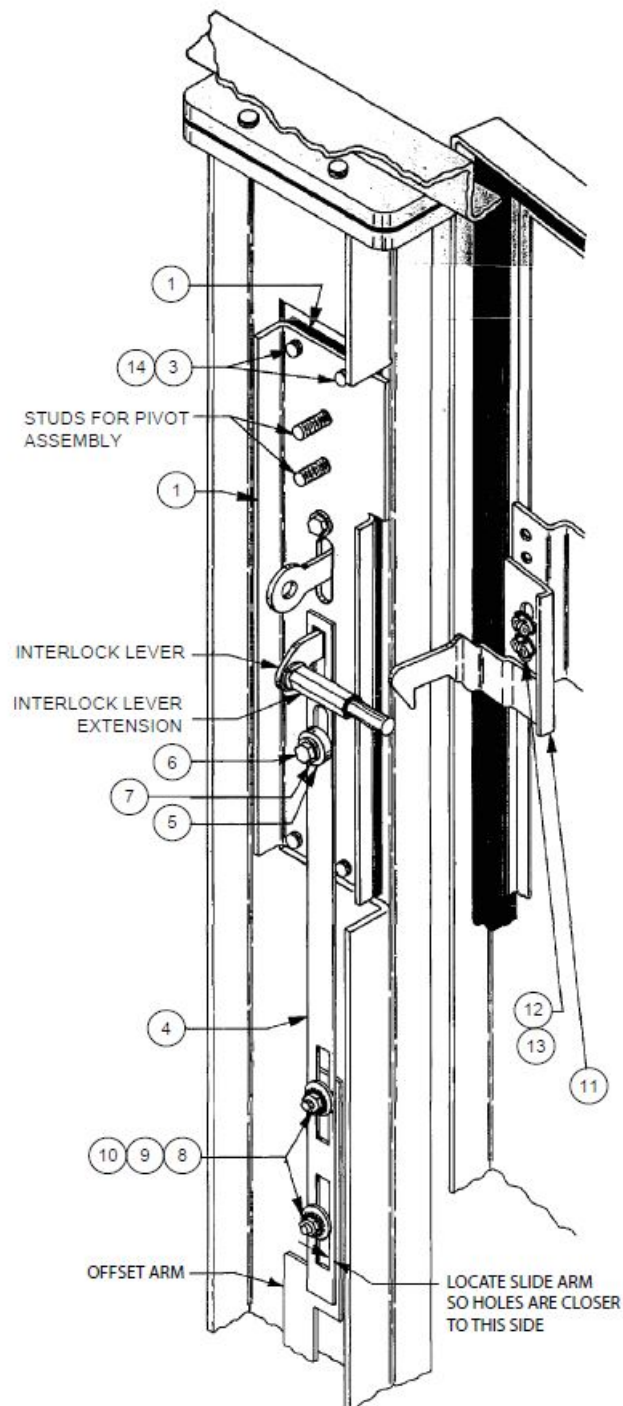
Step 8

Install panel in enclosure.

Step 9

Mount disconnect switch or circuit breaker on panel using Westinghouse instructions and parts.

For One- Through Six-Door Free-Standing Enclosures with Disconnect on Right Flange



INTRODUCTION

This installation instruction is for Westinghouse Flex Shaft AMT cable mechanisms for circuit breakers, except for F Frame circuit breakers. These mechanisms are for disconnect switches and circuit breakers mounted in Hoffman two door, floor-mounted, enclosures with the disconnect on the centerpost.

INSTALLATION STEPS

Step 1

Install adapter plate (item 1) and plate gasket (item 2) on the inside of the enclosure, behind the rectangular opening provided. Gasket side with PSA should be attached to the adapter plate. Secure in place with four screws (item 3) and four nylon washers (item 14).

Step 2

Assemble the Westinghouse "AMTOP" operating handle to the mounting plate which was installed in the enclosure in step 1. Omit cap screw and lockwasher which fits into bottom hole of "AMTOP" operating handle.

Step 3

Cut 2 1/2 inches off bottom end of slide arm (item 4). Bottom end of slide arm has rectangular holes only.

Step 4

Install the slide arm (item 4) over the projecting part of the “AMTOP” operating handle as shown. Note that bottom holes in slide arm are not on center of slide arm. Place the smaller diameter end of the shoulder collar (item 5) through the oval slot in the slide arm. Install long cap screw (item 6) with lockwasher (item 7) through shoulder collar into the bottom mounting hole of the “AMTOP” operating handle and tighten. The slide arm should move up and down smoothly. Install interlock lever extension per Westinghouse instructions.

Step 5

Attach the bottom of the slide arm (item 4) to the offset arm of the lock release mechanism. Use two flat washers (item 8), two lockwashers (item 9), and two hex nuts (item 10). Do not tighten until parts are adjusted.

Step 6

Adjust the length of the slide arm assembly. With proper adjustment of the slide arm, the safety lock (in “AMTOP” operating handle) should release just before the master door is fully latched. Lengthen slide arm if safety lock releases too soon. shorten slide arm if safety lock releases too late.

Step 7

Attach the cover interlock blade (item 11), provided by Hoffman, to the tapped spacer on the door using the bottom set of mounting holes. Used the two screws (item 12) and lockwashers (item 13). The cover interlock blade prevents the door from being opened when the “AMTOP” operating handle is in the “ON” position. This blade may be adjusted up or down to hook properly on the interlock lever extension. The blade (item 11) must be positioned so the bottom edge of blade clears the interlock lever extension by 1/4 inch when “AMTOP” operating handle is in extreme “OFF” position.

Step 8

Drill and tap holes in panel for disconnect required per Westinghouse instructions. See Westinghouse instructions for location and size of mounting holes.

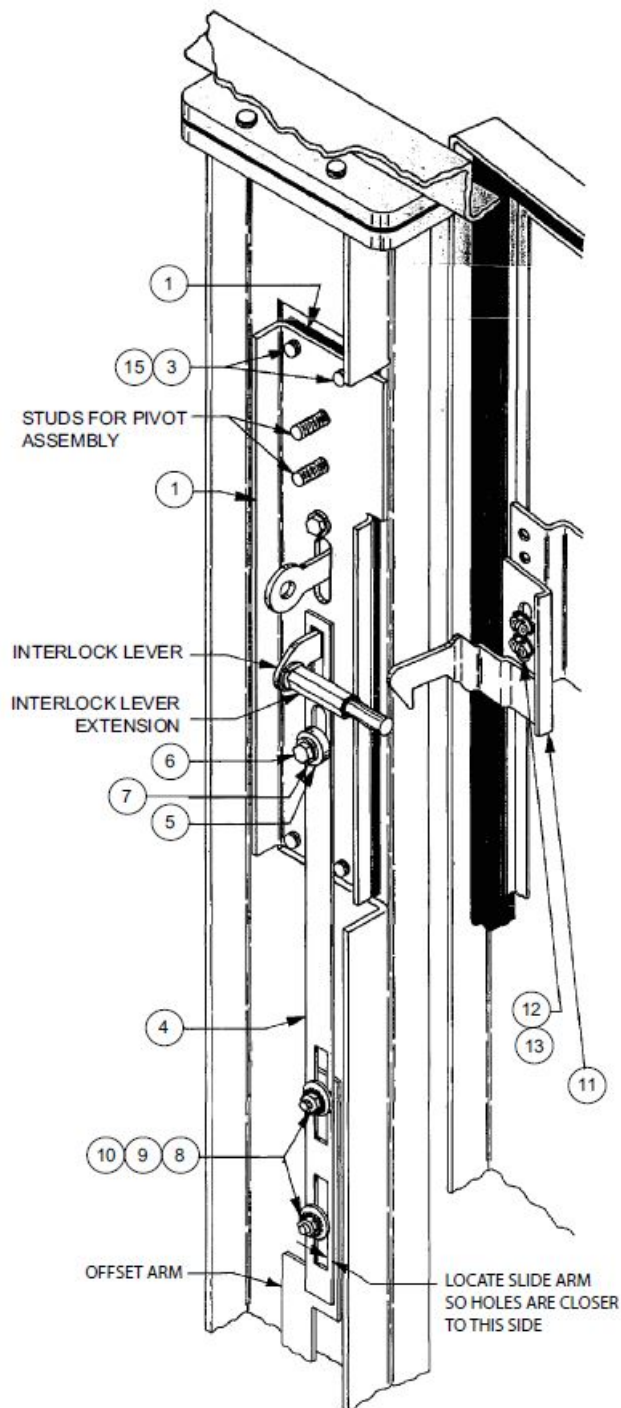
Step 9

Install panel in enclosure.

Step 10

Mount disconnect switch or circuit breaker on panel using Westinghouse instructions and parts.

For Two-Door, Floor-Mounted Enclosures with Disconnect on Centerpost

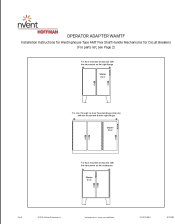


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Hoffman Customer Service

- 2100 Hoffman Way
- Anoka, MN 55303
- 763.422.2211
- <http://hoffman.nvent.com/contact-us>

Documents / Resources

	<p>nVent HOFFMAN WAMTF Operator Adapter [pdf] Instruction Manual 89114654, 89115495, WAMTF Operator Adapter, WAMTF, Operator Adapter, Adapter</p>
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References

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