

# INSTALLATION INSTRUCTIONS

## ADV-X MODEL 881 INTERIOR HIGH SPEED FABRIC DOOR

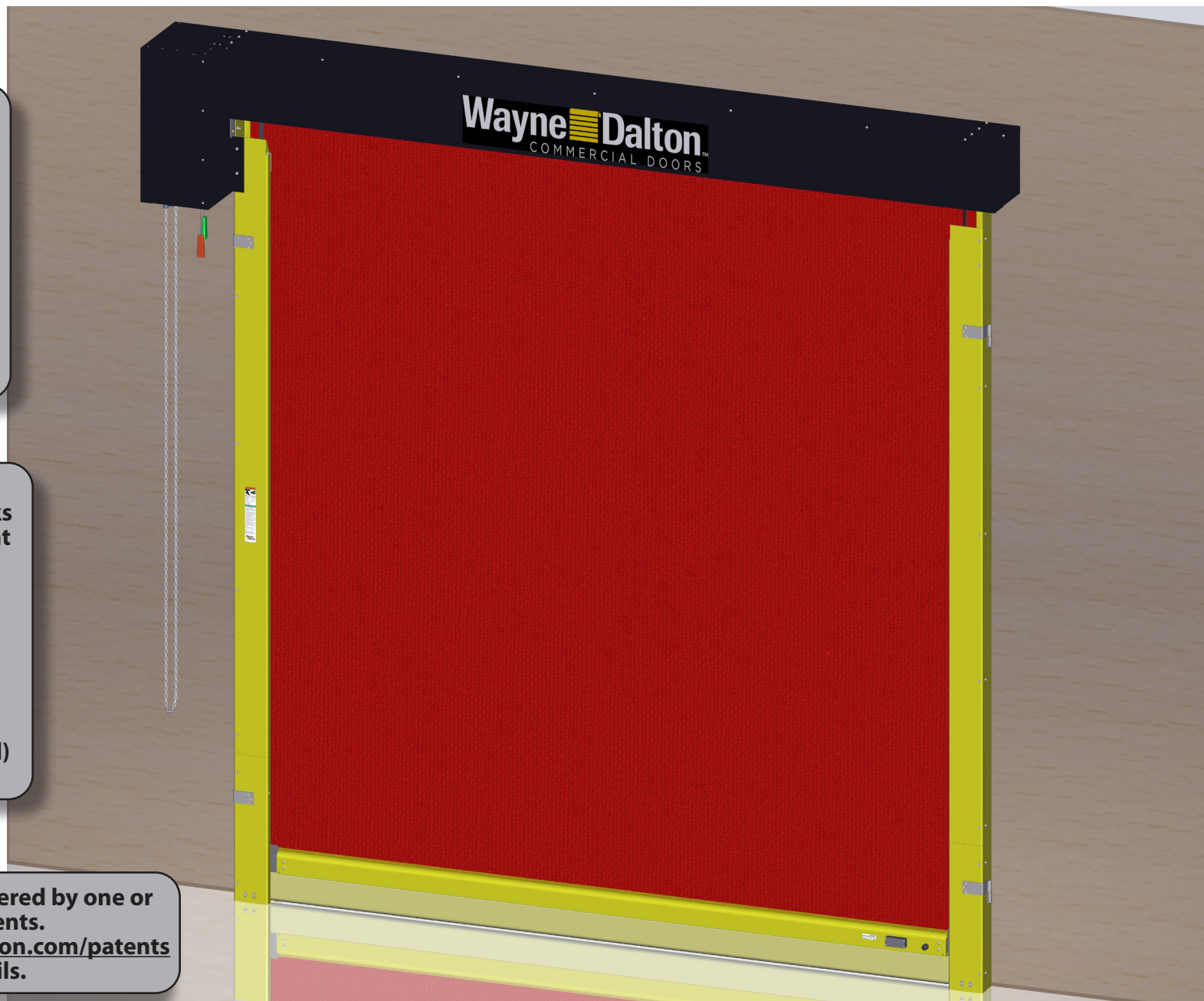
**READ THESE  
INSTRUCTIONS  
THOROUGHLY  
BEFORE  
ATTEMPTING TO  
INSTALL THIS  
DOOR!**

**Some installation tasks  
listed in this document  
are found in other  
documents.**

**Please refer to  
the appropriate  
document(s) as  
directed;**

**500612 Installation  
Instructions (Included)**

**Product may be covered by one or  
more patents.  
See [www.wayne-dalton.com/patents](http://www.wayne-dalton.com/patents)  
for details.**



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# SECTION 1 - SAFETY INFORMATION

## IMPORTANT SAFETY INSTRUCTIONS

### ⚠ WARNING

THESE DOORS ARE LARGE, HEAVY OBJECTS THAT MOVE WITH THE HELP OF ELECTRIC MOTORS. SINCE MOVING OBJECTS AND ELECTRIC MOTORS CAN CAUSE INJURIES, YOUR SAFETY AND THE SAFETY OF OTHERS DEPENDS ON YOU READING THE INFORMATION IN THIS MANUAL. IF YOU HAVE ANY QUESTIONS OR DO NOT UNDERSTAND THE INFORMATION PRESENTED, YOU SHOULD CONSULT A LICENSED PROFESSIONAL.

DEFINITION OF KEY WORDS USED IN THIS MANUAL:

### ⚠ DANGER

INDICATES A HAZARDOUS SITUATION THAT, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.

### ⚠ WARNING

INDICATES A HAZARDOUS SITUATION THAT, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.

### ⚠ CAUTION

INDICATES A HAZARDOUS SITUATION THAT, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.



### NOTICE

INDICATES INFORMATION CONSIDERED IMPORTANT, THAT IT IS NOT RELATED TO INJURY, BUT MAY RESULT IN PROPERTY DAMAGE.

**IMPORTANT:** Required key step for proper door operation.

**NOTE:** Information only.

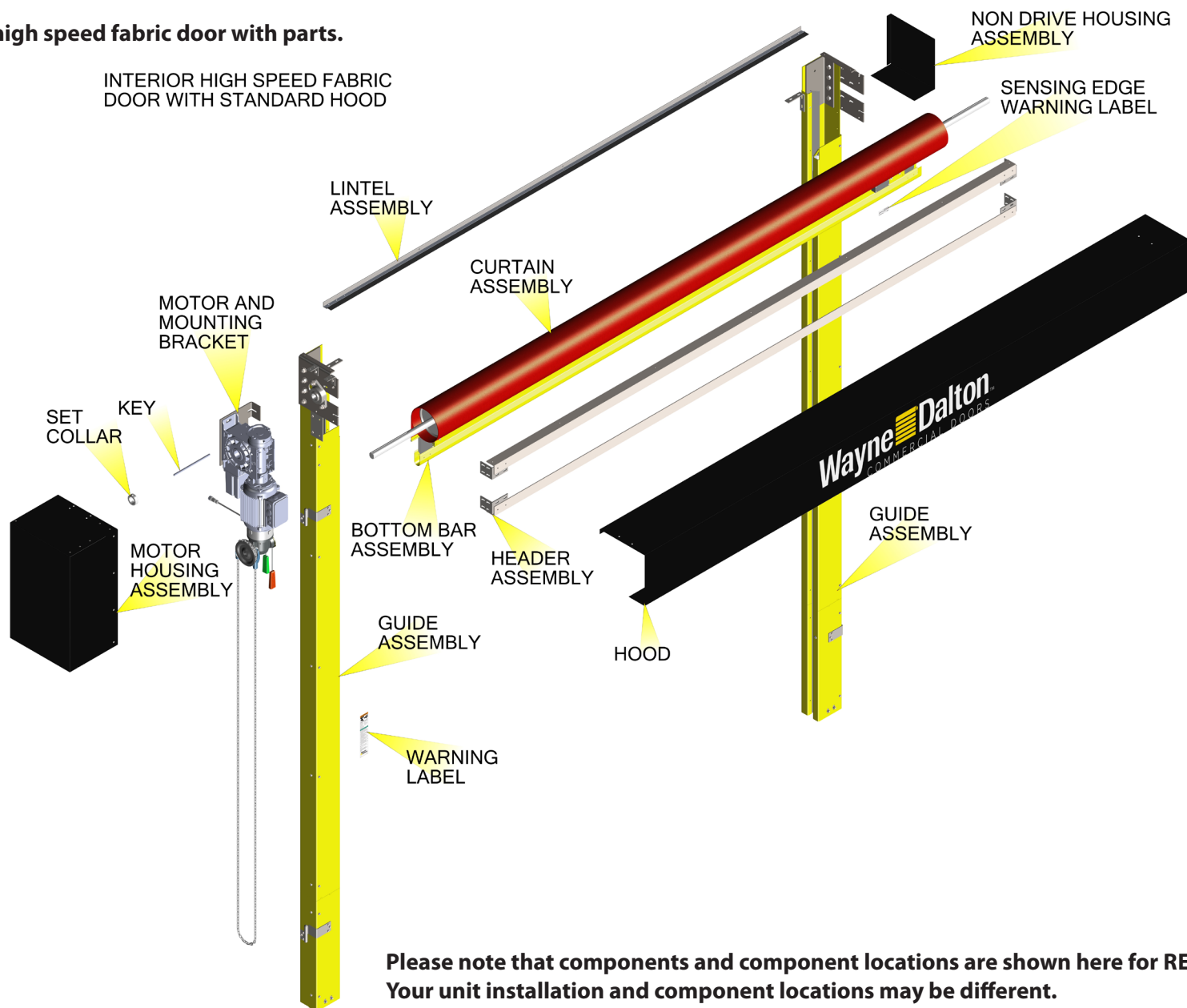
1. Read manual and warnings carefully.
2. Keep the door in good working condition.
3. This door is equipped with a sensing edge, check sensing edge operations daily. Make any necessary repairs to keep it functional.
4. All models are equipped with an overcurrent device. This must be manually reset following an overcurrent condition.
5. Keep instructions in a prominent location near the Control Panel.

POTENTIAL HAZARD	EFFECT	PREVENTION
 MOVING DOOR	<b>⚠ WARNING</b> CAN CAUSE SERIOUS INJURY OR DEATH	<b>Do NOT</b> operate unless the doorway is in sight and free of obstructions. Keep people clear of opening while door is moving. <b>Do NOT</b> change control to momentary contact unless an external reversing means is installed. <b>Do NOT</b> operate a door that jams.
 ELECTRICAL SHOCK	<b>⚠ WARNING</b> CAN CAUSE SERIOUS INJURY OR DEATH	Turn <b>OFF</b> electrical power before removing Control Panel or motor cover. When replacing Control Panel cover make sure wires are <b>NOT</b> pinched or near moving parts. Operator must be electrically grounded.

## SECTION 2 - GENERAL INFORMATION

### COMPONENT IDENTIFICATION DRAWING WITH STANDARD HOOD

Interior high speed fabric door with parts.



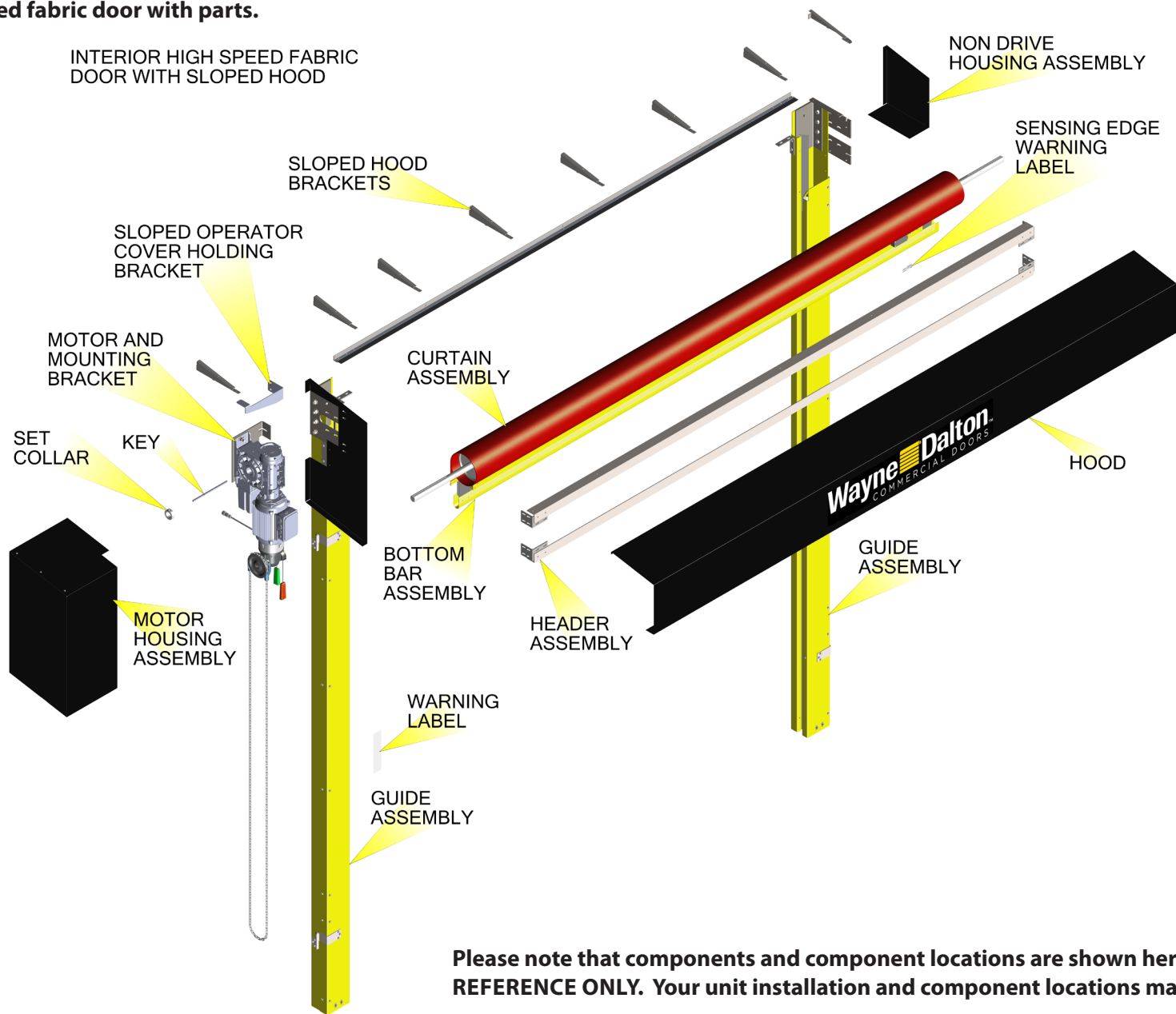
Please note that components and component locations are shown here for REFERENCE ONLY. Your unit installation and component locations may be different.



## SECTION 2 - GENERAL INFORMATION (continued....)

### COMPONENT IDENTIFICATION DRAWING WITH SLOPED HOOD

Interior high speed fabric door with parts.



Please note that components and component locations are shown here for REFERENCE ONLY. Your unit installation and component locations may be different.


# SECTION 2 - GENERAL INFORMATION (continued....)

## DOOR INSTALLATION DATA SHEET

A sample of the "DOOR INSTALLATION DATA" sheet is shown here. Locate the work order "Door Installation Data" sheet inside the door hardware box.

You will need to refer to the "Door Installation Data" sheet.

Factory order number on door components must match with factory order number on the "Door Installation Data" sheet. Each door has it's own individual sheet.

W.O./Parent.  WO \*\*\*\*\*

Item Number. **Related SO .** SF 1.007 Plant. . . 17

Customer . . 17 OHD CORP - PENNSYLVANIA (R/S) FACILITY Qty. . 1.00 Lot #. . .

Status . . .12 Job. . . Req D.

Drawing #. CONFIGURED

P.O. # . . .

WALL OPENING : 15 '- 0 0/8 WIDE X 10 '- 0 0/8 HIGH "G" REFERENCE (IN) : 180

DOOR SERIES : D991

HEADROOM : 36 DRIVE SIDE : RIGHT CURTAIN SQ. FT. : 257 OPERATOR VOLTAGE : 460 3 PHASE

JAMB MATERIAL : STEEL WALL MOUNT TYPE : INTERIOR MOUNT

\*\*\*\*\* HARDWARE DETAILS \*\*\*\*\*

----- ACTUATION OPTIONS -----

PUSH BUTTON :  
KEY SWITCH :  
SIGNALING EQUIPMENT :  
RADIO CONTROL :  
MOTION DETECTOR :  
MOTION DET REMOTE? :  
LOOP EQUIPMENT :  
LOOP WIRE LGTH FT. :  
HORN :

DOOR INSTALLATION DATA:			
SERIES : D991			
WALL OPENING WIDTH: 15 '- 0 0/8	WALL OPENING HGHT: 10 '- 0 0/8	VOLTAGE: 460 3 PHASE	HEADROOM REQD : 36
MOUNTING TYPE: INTERIOR MOUNT	COLOR: BLUE	THK 2 MM	HAND DRIVE: RIGHT
PASSCODE : 104	G DIMENSION: 180		

Figure 1

## SECTION 2 - GENERAL INFORMATION (continued....)

### PRE-INSTALLATION CHECK LIST

Verify that the door installation can be accomplished before proceeding:

- Locate the work order "DOOR INSTALLATION DATA" sheet, inside the door hardware box.
- Does the wall opening shown in **Figure 2** match the Opening Width and Opening Height shown on the "Door Installation Data" sheet?
- Can the guides be installed plumb?
- Check the sill for level. If sill is not level, mark the high sill location on the low side jamb.
- Guides are designed to rest on sill.
- Does the "G" dimension on your "DOOR INSTALLATION DATA" sheet match your Opening Width? See **Figure 3**.

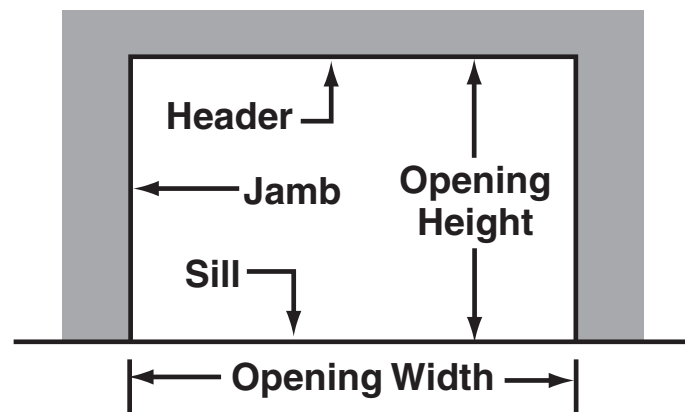


Figure 2



Figure 3

## SECTION 3 - DOOR INSTALLATION

### **⚠ DANGER**

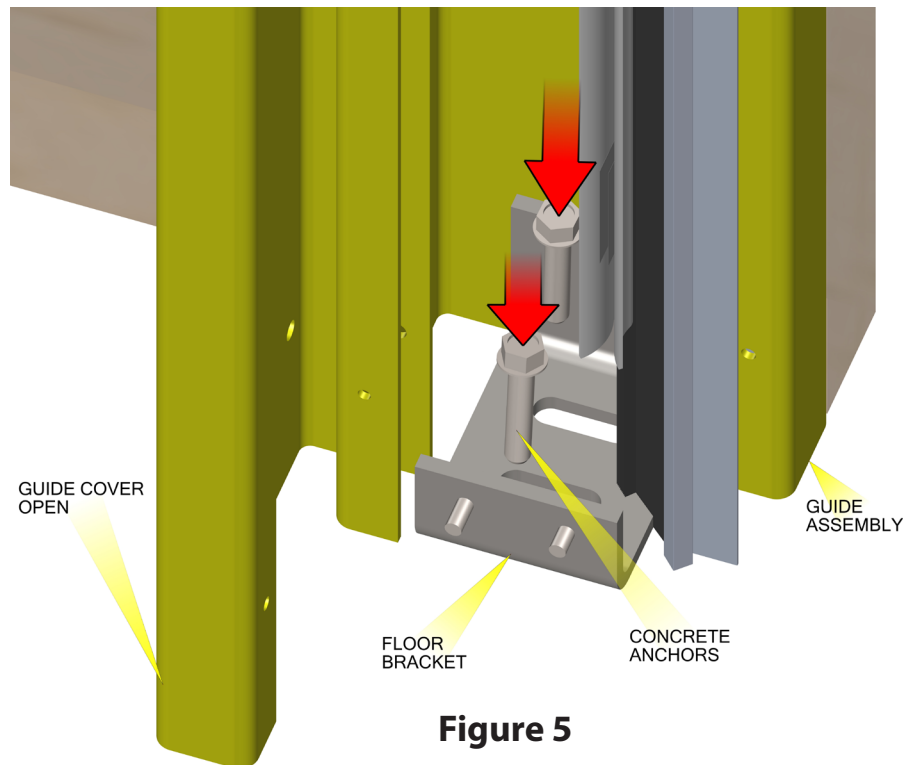
**FOLLOW INSTRUCTIONS AND USE PROPER LIFTING EQUIPMENT AND CORRECT LIFTING PROCEDURE TO AVOID SERIOUS INJURY OR DEATH.**

#### **STEP 1** INSTALL GUIDES

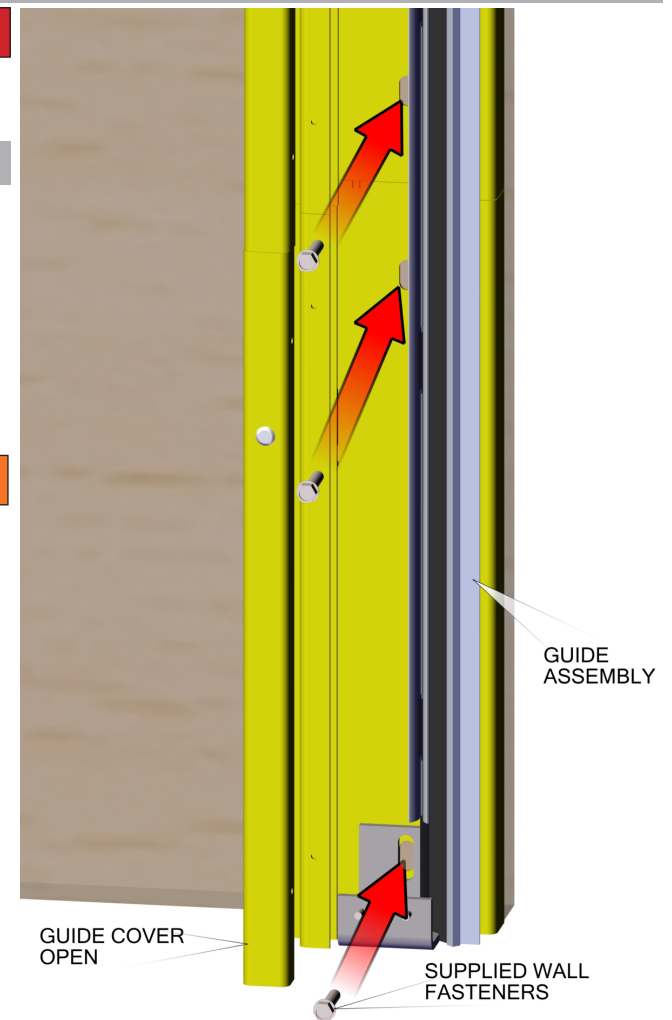
- Check "G" Dimension as illustrated in **Figure 3**. The "G" Dimension must match your "DOOR INSTALLATION DATA" sheet.
- Ideally your "G" dimension will exactly match your opening width. If it does not, you must mount your guides so the "G" dimension is held over the entire height.
- Open hinged guides and mount to the wall surface using supplied fasteners. See **Figure 4**.
- Both guides **MUST** be on a level line and both guides **MUST** be plumb.
- The "G" Dimension must be held within 1/8" over the entire height of the guides.
- Install the concrete anchors through the floor bracket, securing the guides to the floor. See **Figure 5**.

### **⚠ WARNING**

**RAPIDLY CLOSING CURTAIN COULD RESULT IN DEATH OR SERIOUS INJURY. DO NOT REMOVE FACTORY BINDING AROUND CURTAIN ASSEMBLY UNTIL STEP 5.**



**Figure 5**



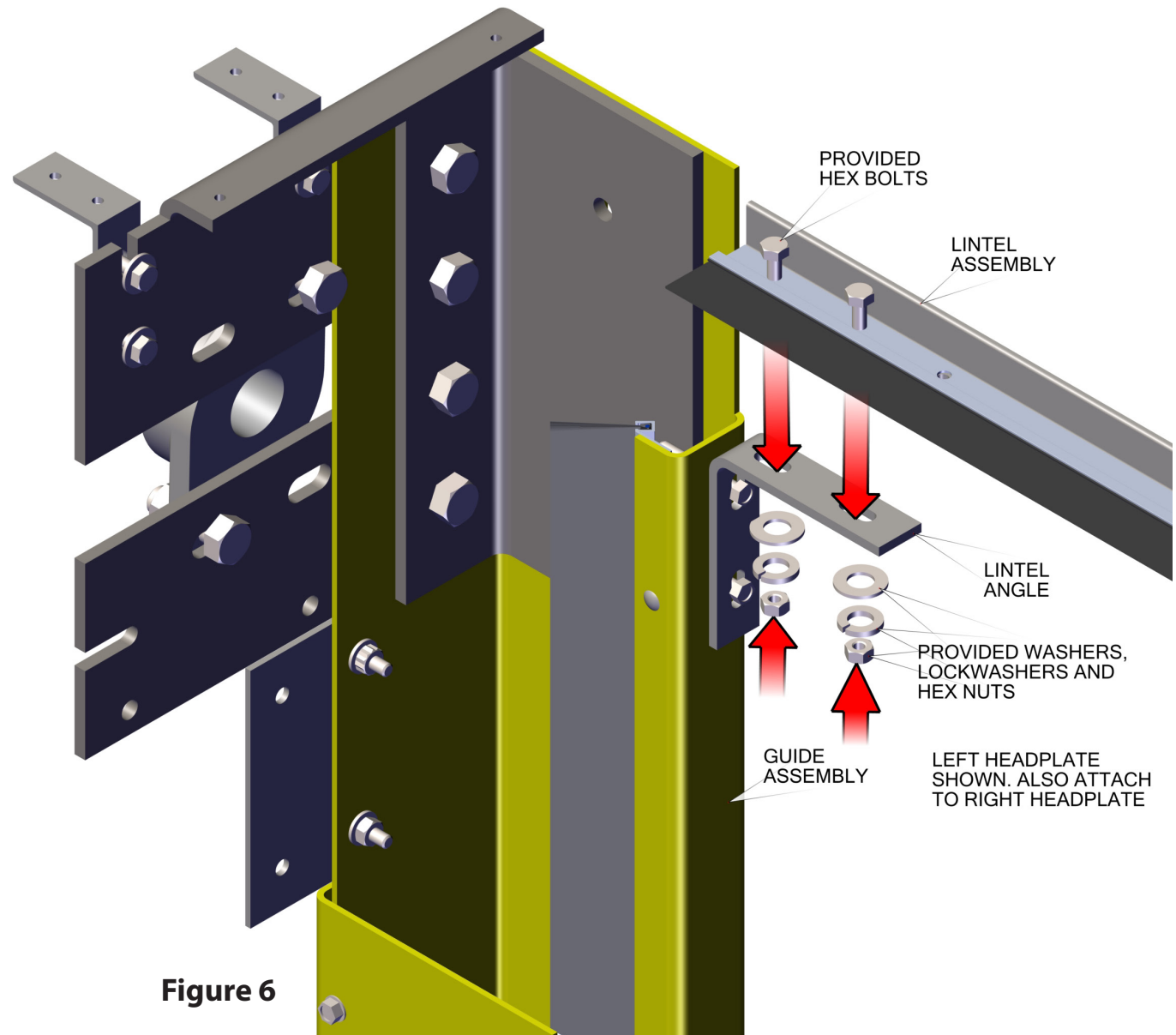
**Figure 4**



## SECTION 3 - DOOR INSTALLATION (continued....)

### STEP 2 INSTALL LINTEL ASSEMBLY

- Attach the lintel assembly to the bracket on each guide, as shown in **Figure 6**.



**Figure 6**

## SECTION 3 - DOOR INSTALLATION (continued....)

### ⚠ WARNING

RAPIDLY CLOSING CURTAIN COULD RESULT IN DEATH OR SERIOUS INJURY. DO NOT REMOVE FACTORY BINDING AROUND CURTAIN ASSEMBLY UNTIL STEP 5.

### ⚠ DANGER

FOLLOW INSTRUCTIONS AND USE PROPER LIFTING EQUIPMENT AND CORRECT LIFTING PROCEDURE TO AVOID SERIOUS INJURY OR DEATH.

#### STEP 3 INSTALL CURTAIN ASSEMBLY

- Remove the pre-installed bearing from both headplates, as shown in **Figure 7**.
- Lift the curtain assembly using a fork lift or other appropriate lifting equipment and slide it into the slots in the headplates, as shown in **Figure 8**.
- Before removing the forklift or supporting equipment, reinstall the bearings by sliding them onto the shaft and attaching them to the headplates. See **Figure 8**.
- Only hand tighten the nuts onto the bolts of the bearings, as you will need to make adjustments before final tightening.

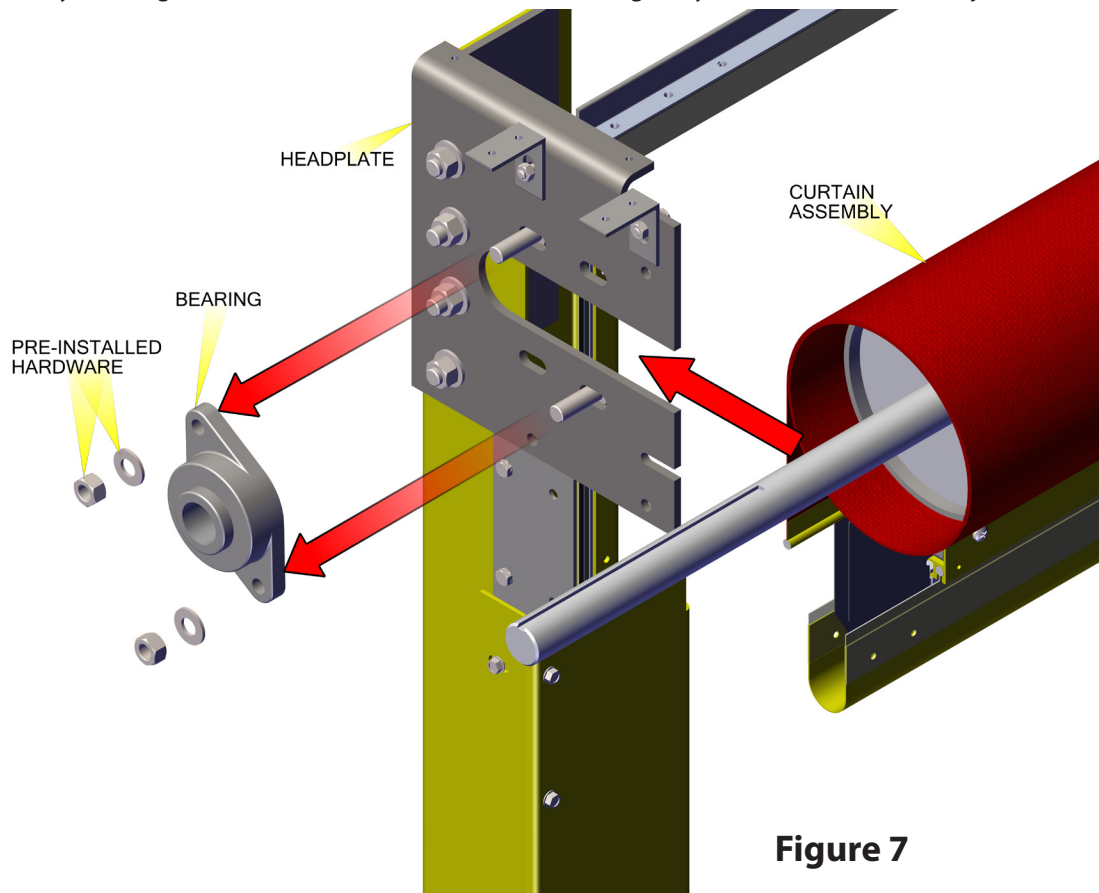


Figure 7

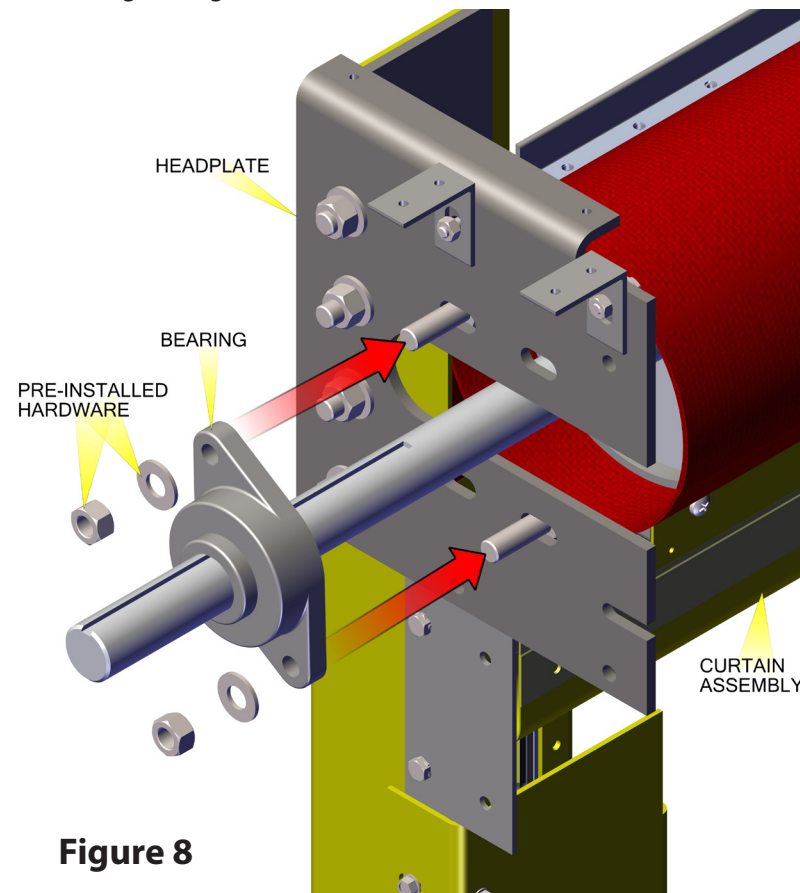
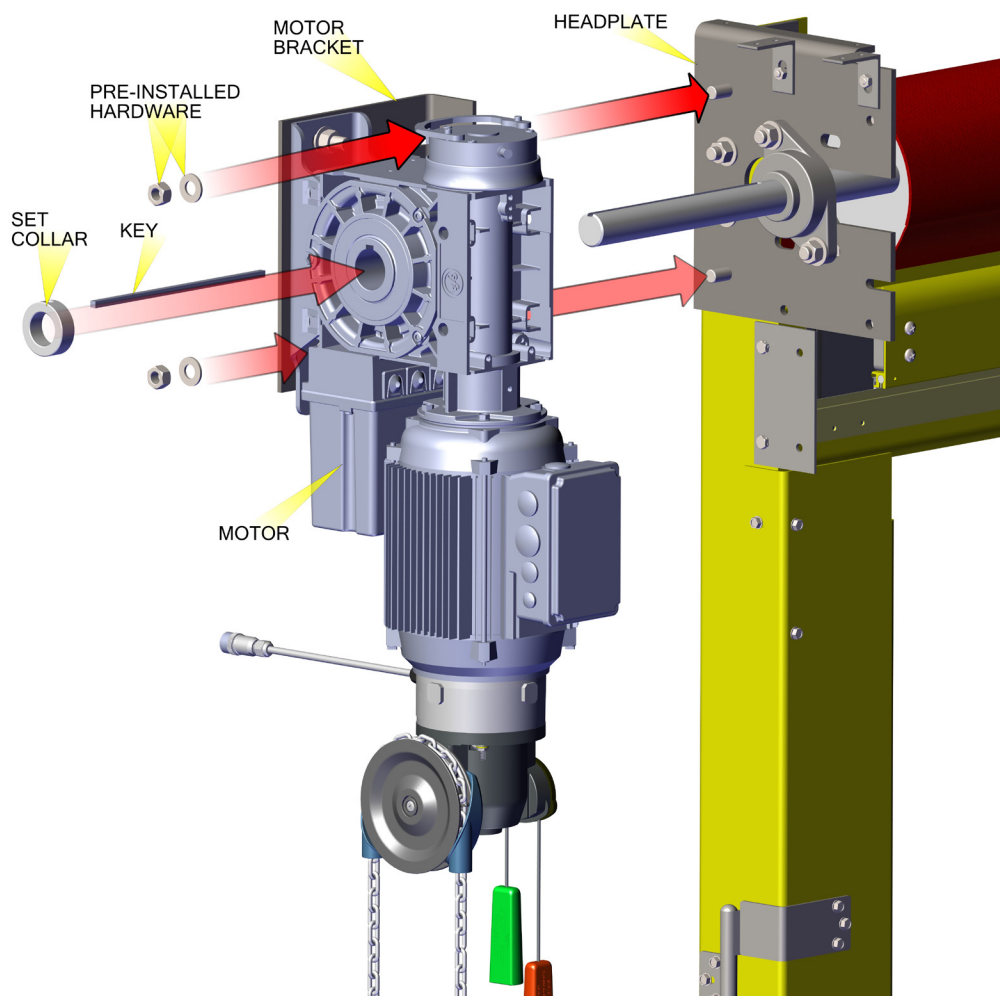


Figure 8

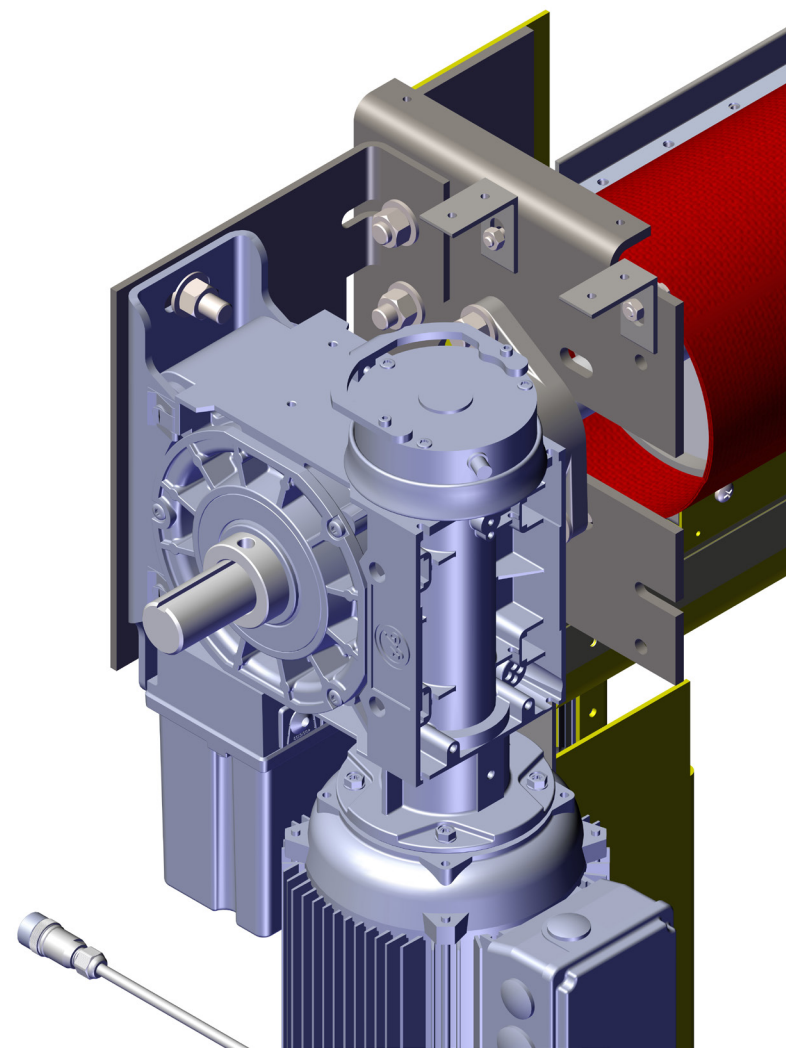
## SECTION 3 - DOOR INSTALLATION (continued.....)

### STEP 4 INSTALL MOTOR

- Remove the pre-installed nuts and washers from headplates, as shown in **Figure 9**. ONLY remove the nuts and washers from the two bolts, as shown in **Figure 9**.
- Slide motor onto shaft, as shown in **Figure 9** and **Figure 10**.
- Re-install the nuts and washers onto the bolts in the headplate, securing the motor.
- Rotate the curtain assembly shaft to align it with the keyway on the motor.
- Insert the key into the keyway and the set collar onto the shaft up against the operator. Tighten set screw in the set collar, as shown in **Figure 9** and **Figure 10**.



**Figure 9**



**Figure 10**

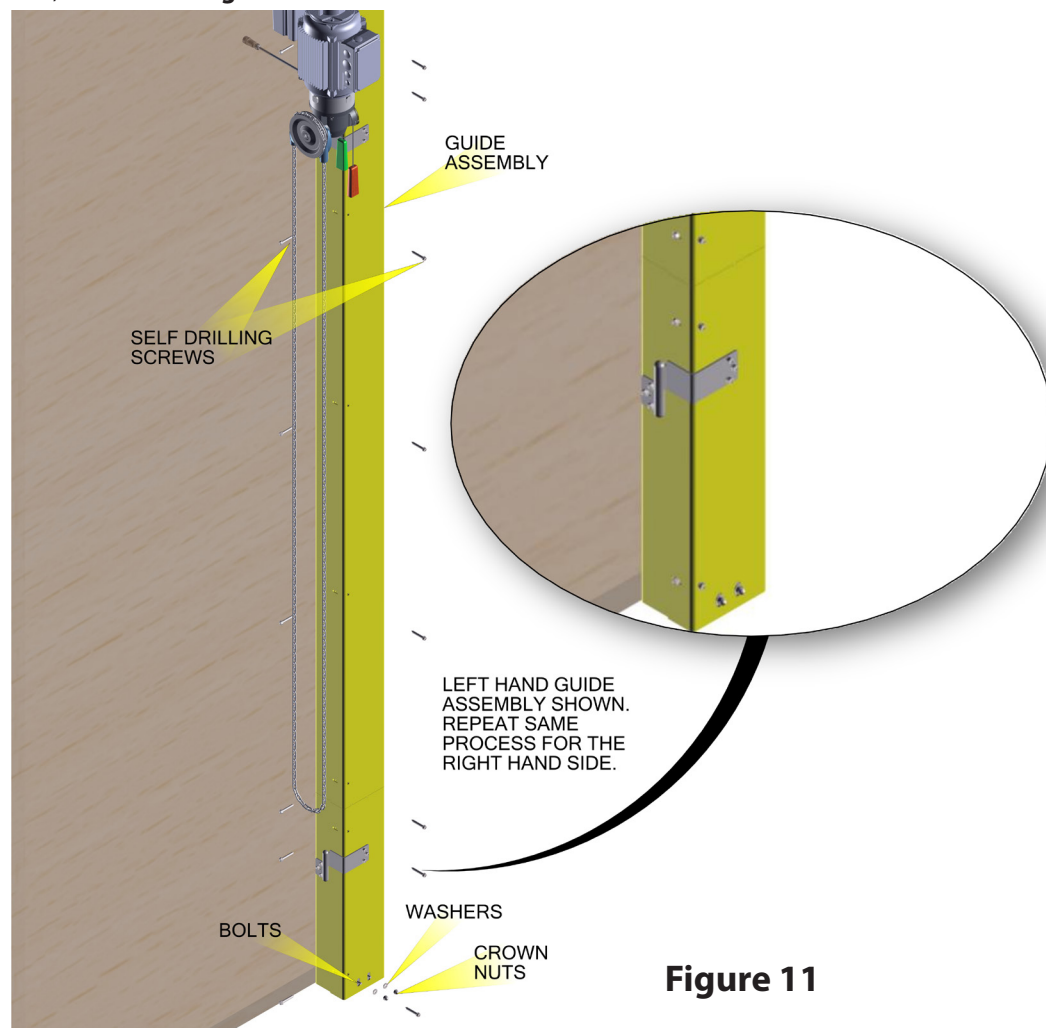
## SECTION 3 - DOOR INSTALLATION (continued.....)

### STEP 5 TIGHTEN CURTAIN ASSEMBLY BOLTS

- Check that the curtain assembly is level and square with the jamb.
- Tighten the nuts, bolts, and set screws of the bearings from STEP 3.
- Tighten the nuts and bolts of the motor bracket from STEP 4.
- Be sure the set screws of the sprocket are tight from STEP 4.
- Remove factory banding around curtain.

### STEP 6 CLOSE GUIDE ASSEMBLIES

- Close the hinged guide assemblies and bolt in place using the self drilling screws provided, as shown in **Figure 11**.
- Using the bolts and washers provided, attach the front guide to the floor bracket, as shown in **Figure 11**.



**Figure 11**

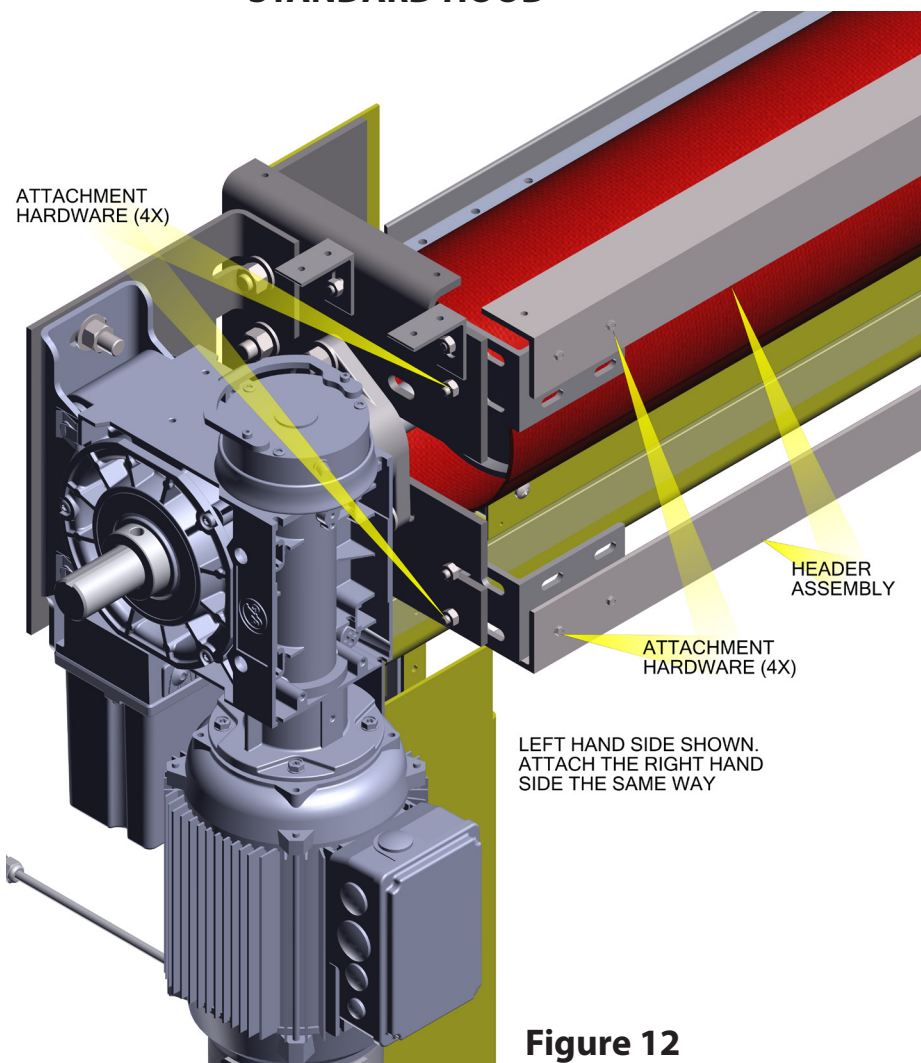


## SECTION 3 - DOOR INSTALLATION (continued.....)

### STEP 7 INSTALL HEADER ASSEMBLY

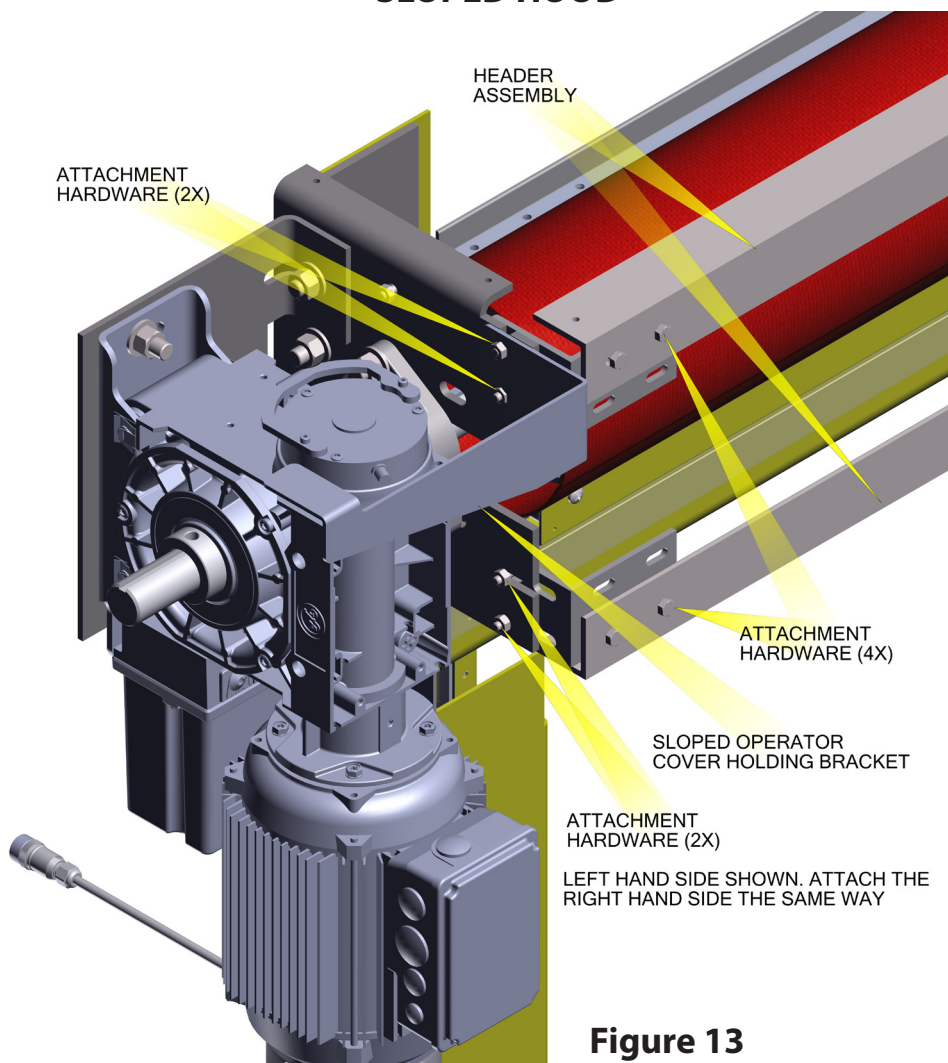
- Locate the nuts and washers in the hardware bag to be used for header attachment.
- Align the header assemblies and install using the attachment hardware from the hardware bag. See **Figure 12** and **Figure 13**.
- You may need to use the adjustment screws to fit the header assemblies between the headplates.
- Tighten all hardware used in this step when proper fit is achieved.
- The Sloped Operator Side Cover goes on first before the Sloped Operator Holding Bracket is tightened down.

#### STANDARD HOOD



**Figure 12**

#### SLOPED HOOD



**Figure 13**

## SECTION 3 - DOOR INSTALLATION (continued.....)

### STEP 8 INSTALL HOOD AND MOTOR HOUSING

- Install the hood and motor housing using the self drilling screws provided. If you have a standard hood, see **Figure 14**. If you have a sloped hood, see **Figure 15** and **Figure 16**.

#### STANDARD HOOD

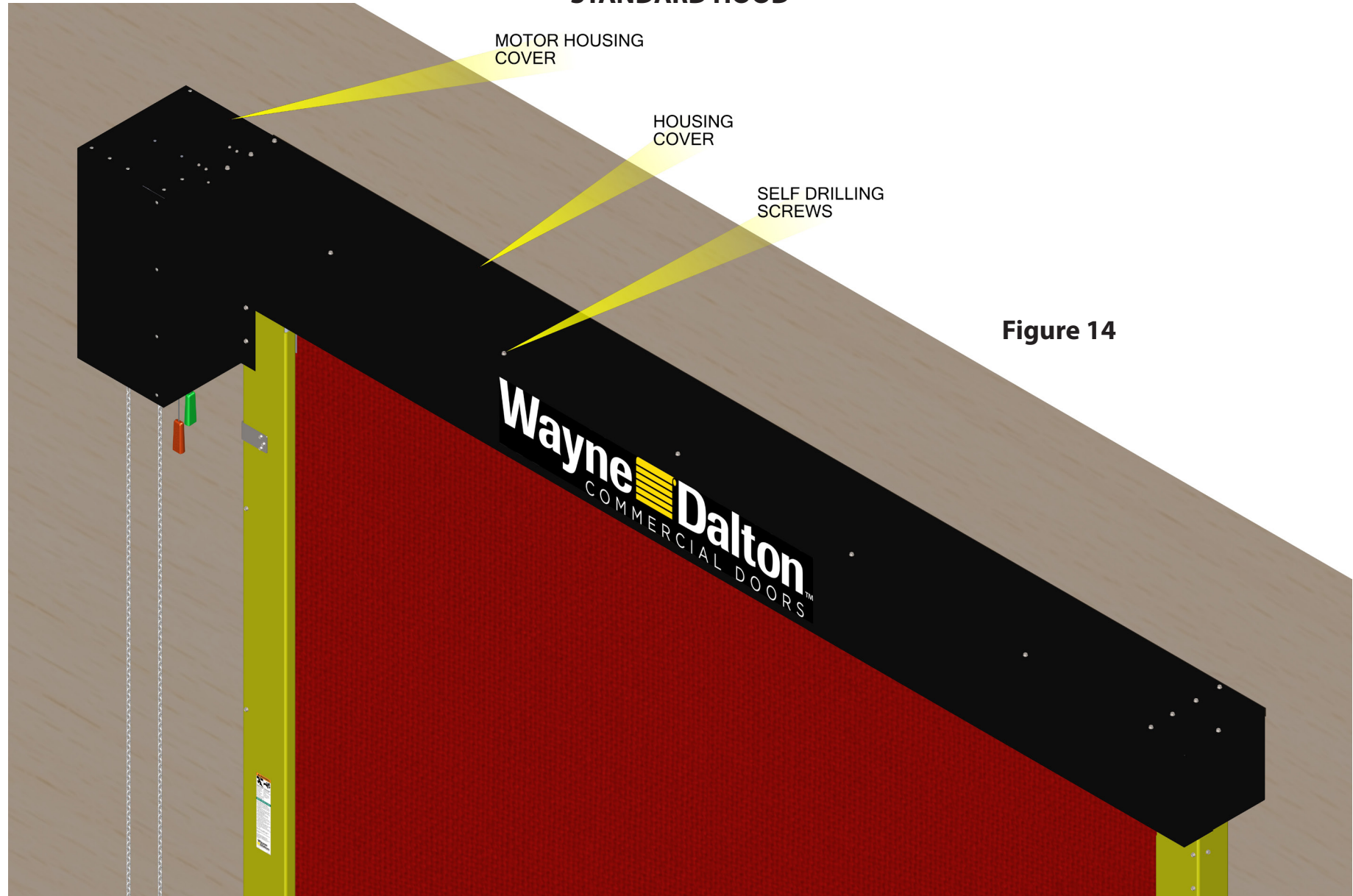
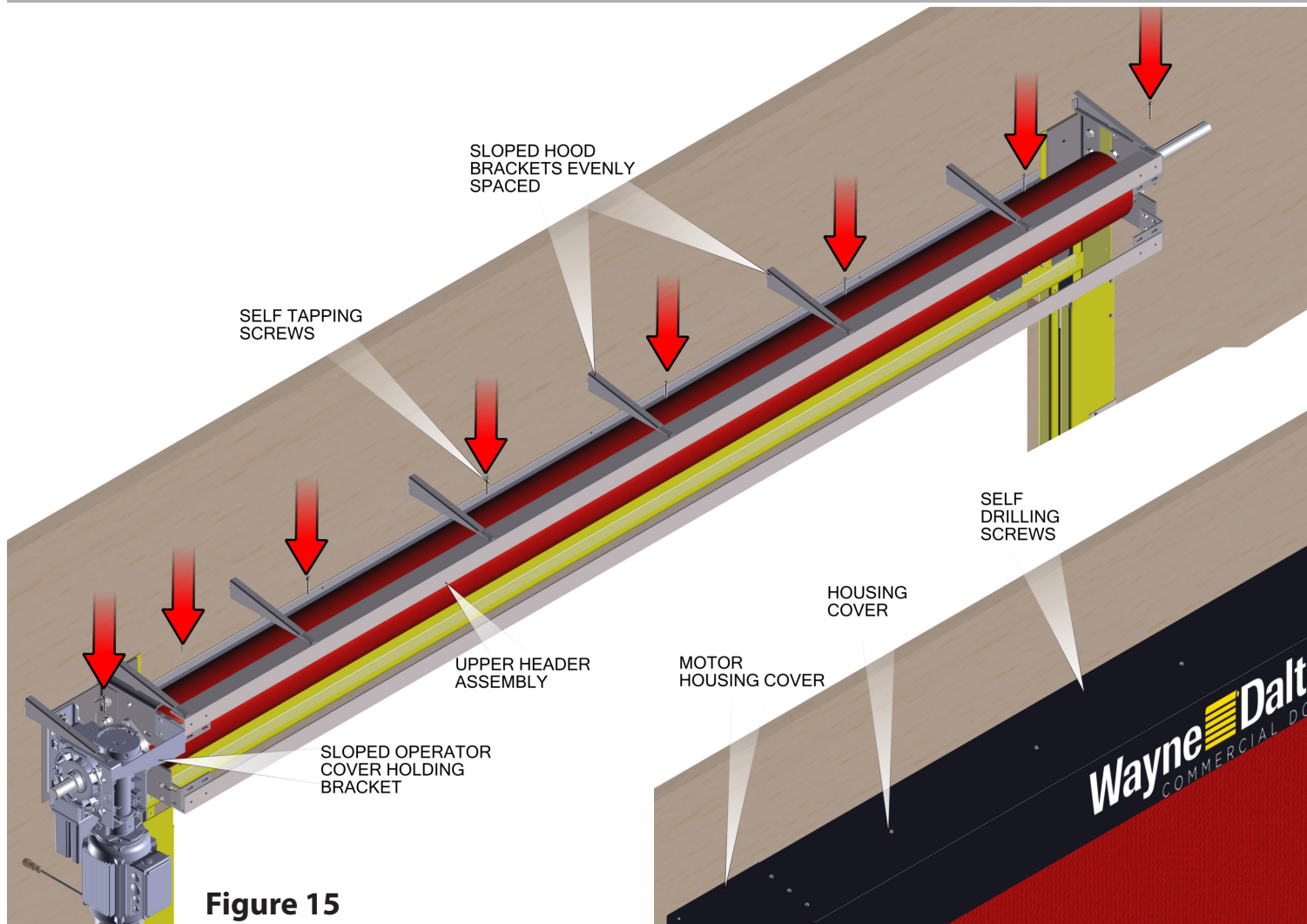


Figure 14



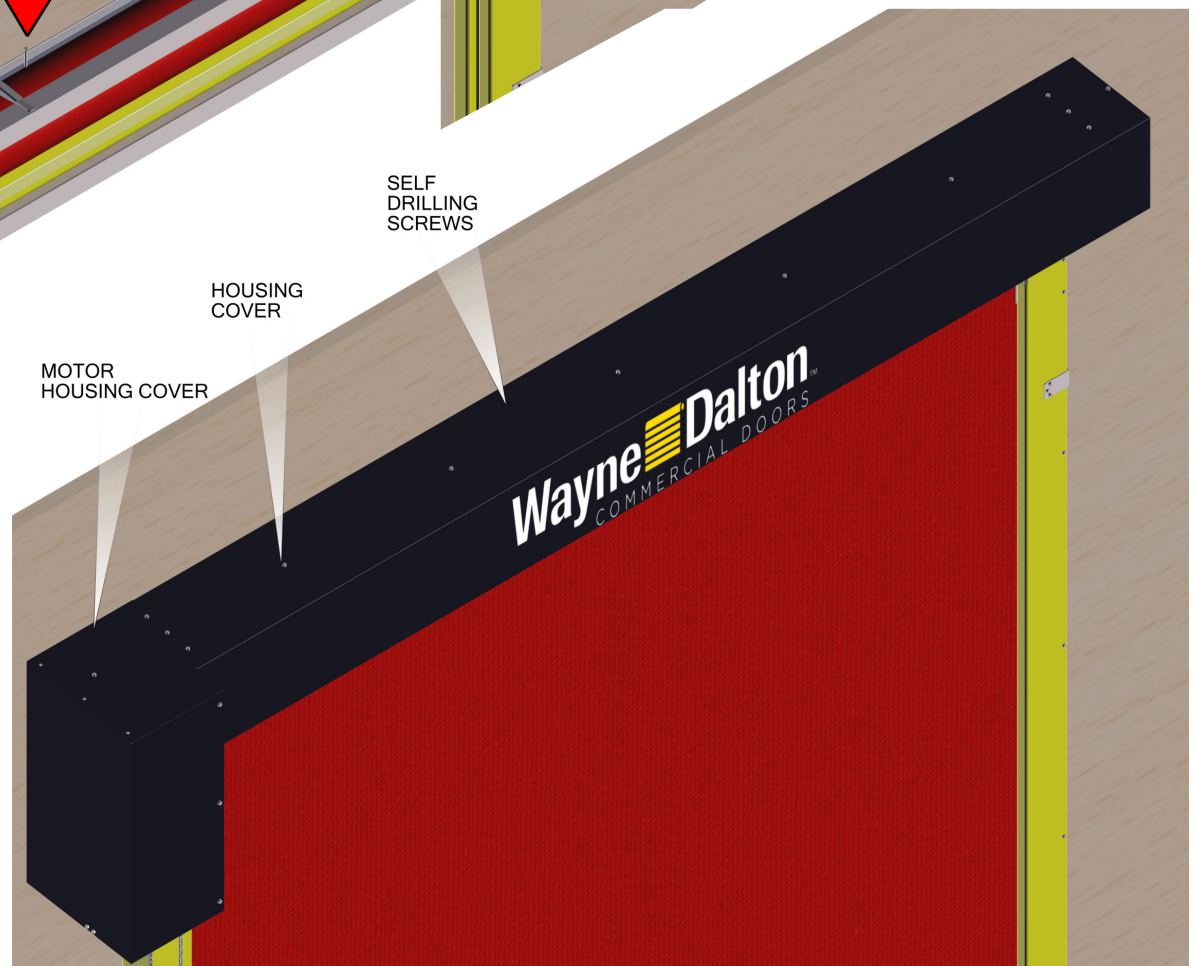
## SECTION 3 - DOOR INSTALLATION (continued.....)



**Figure 15**

**SLOPED HOOD**

**Figure 16**



## SECTION 3 - DOOR INSTALLATION (continued.....)

### STEP 9 APPLY WARNING LABELS

Product safety label must be installed.

- Place safety label on drive side guide at a readable height.
- Place safety label on drive side guide at a readable height.

**NOTE:** Product safety labels should be periodically inspected and cleaned by the product user as necessary to maintain good legibility. Order replacement safety labels from the door manufacturer as required to maintain legibility.

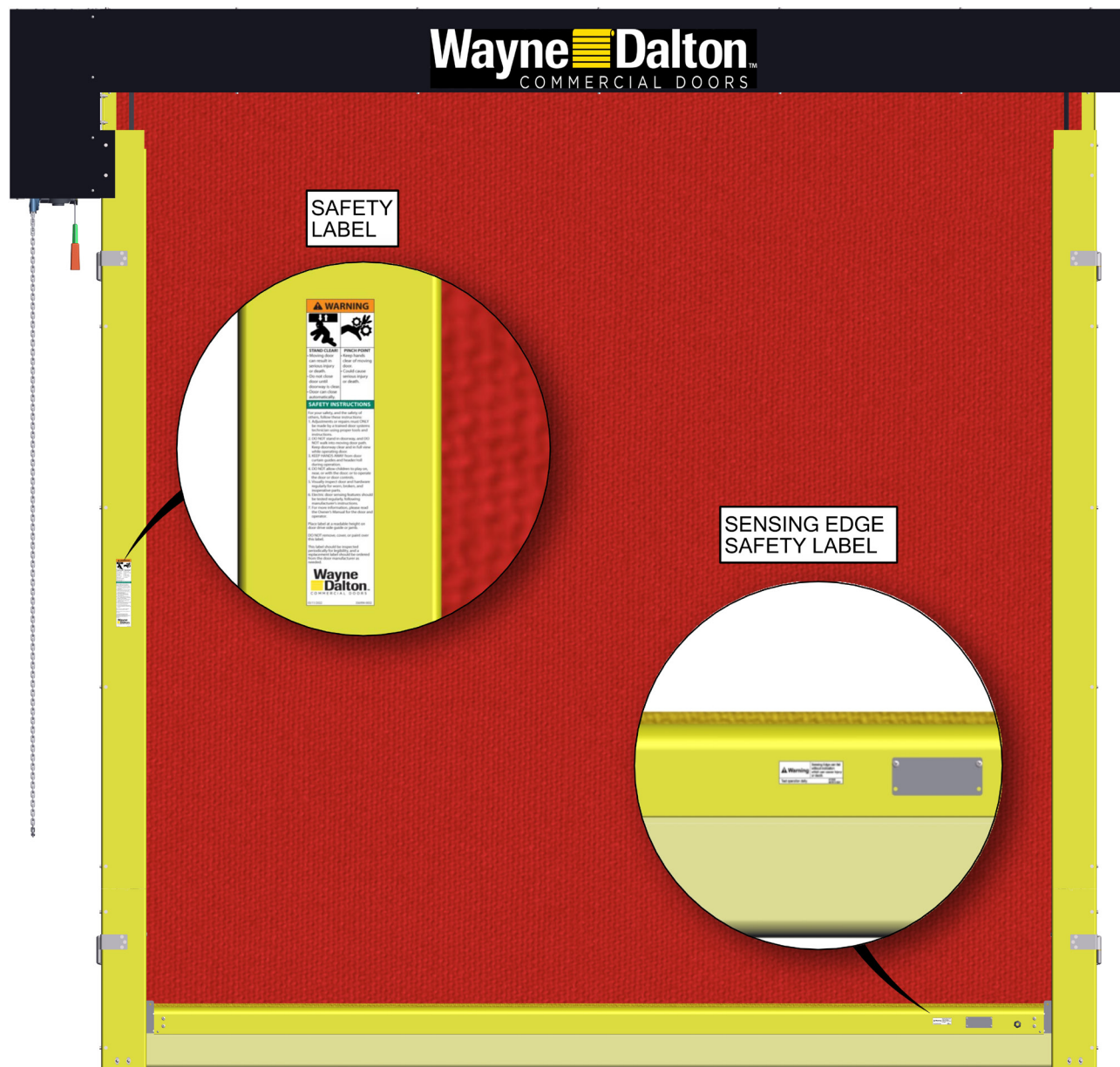


Figure 17



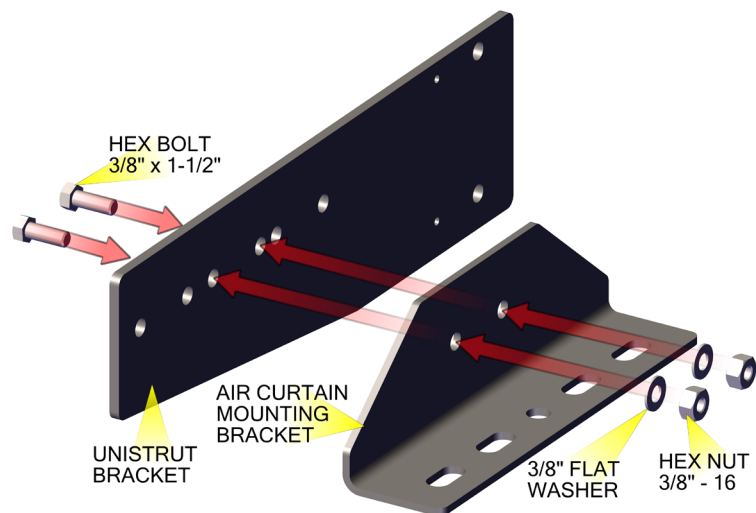
## SECTION 4 - AIR CURTAIN INSTALLATION (IF APPLICABLE)

### **⚠ DANGER**

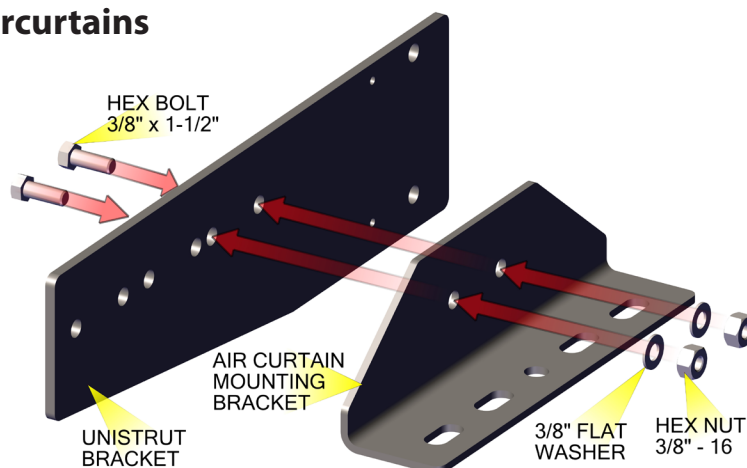
**FOLLOW INSTRUCTIONS AND USE PROPER LIFTING EQUIPMENT AND CORRECT LIFTING PROCEDURE TO AVOID SERIOUS INJURY OR DEATH.**

#### **STEP 1** ASSEMBLING AIR CURTAIN COMPONENTS

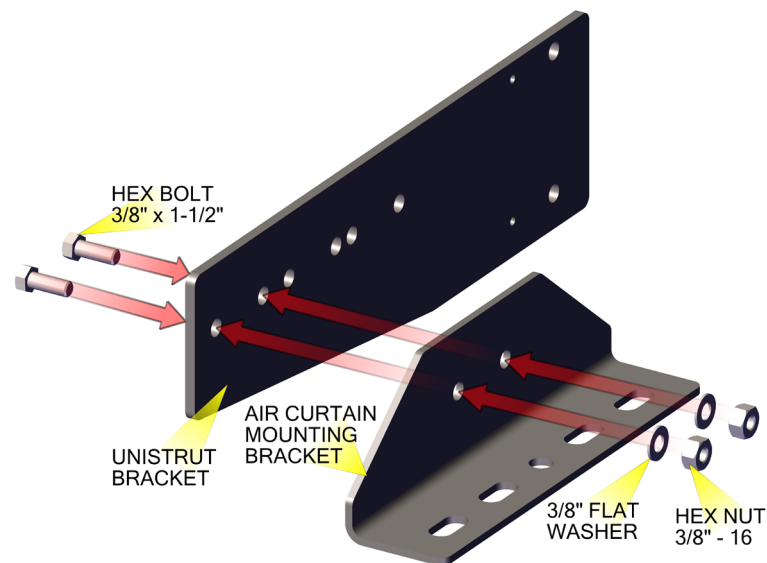
- Depending on the type of air curtain you have, assemble the air curtain mounting brackets to the unistrut, see **Figure 18** through **Figure 20**.
- Insert two strut channel nuts into each ends of the strut channel, see **Figure 21**.



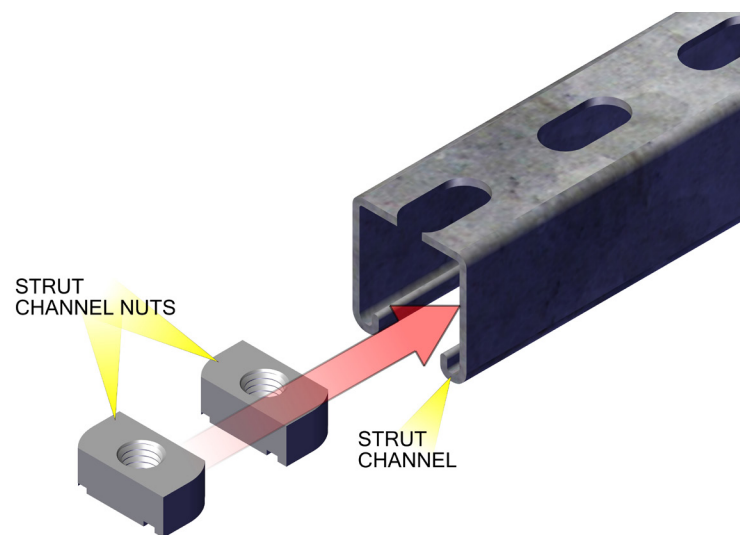
**Figure 18: CHD10 Aircurtains**



**Figure 19: CLC08 Aircurtains**



**Figure 20: Figure 20: IDC12,14 and WD12,14 Aircurtains**

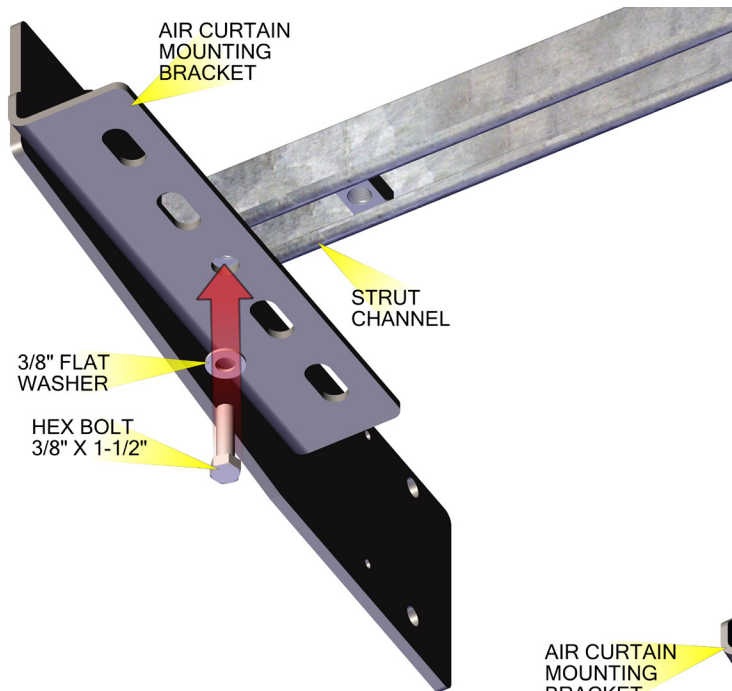


**Figure 21**

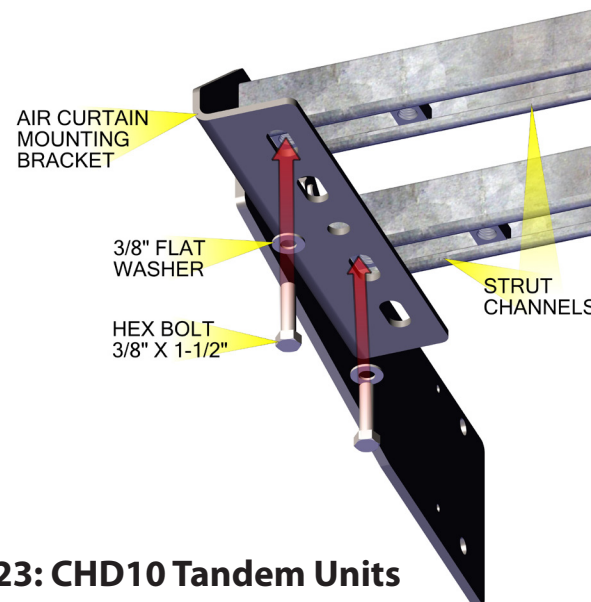
## SECTION 4 - AIR CURTAIN INSTALLATION (IF APPLICABLE) (continued.....)

### STEP 2 ASSEMBLING AIR CURTAIN MOUNTING BRACKET

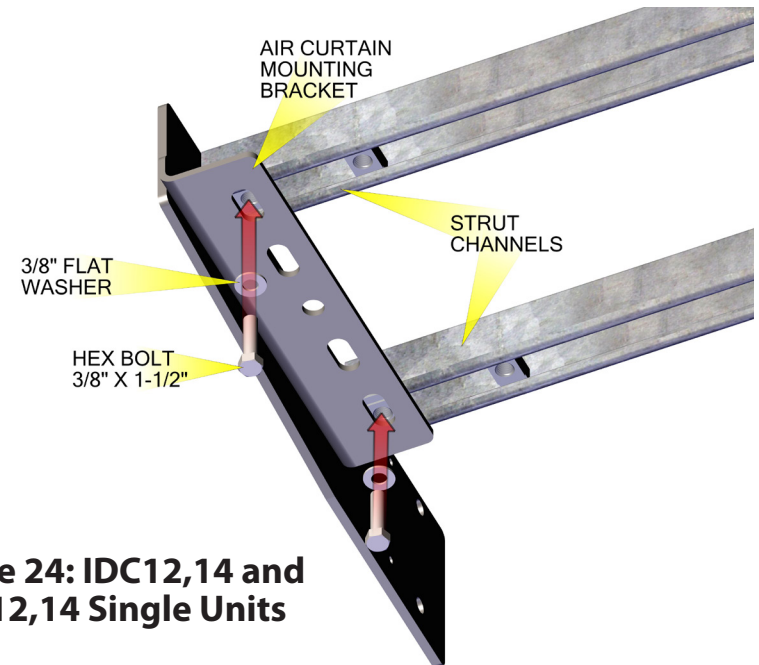
- Depending on the type of air curtain you have, assemble the air curtain mounting brackets to the outer strut channel nut, previously installed, see **Figure 22** through **Figure 25**.



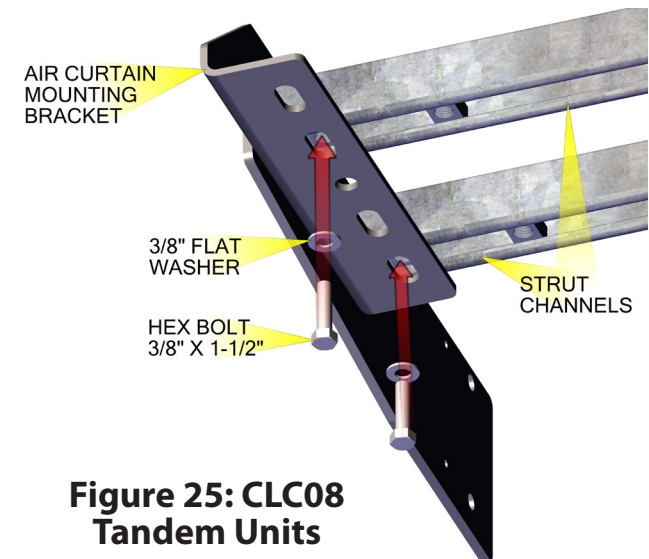
**Figure 22: CLC08 and CHD10 Single Units**



**Figure 23: CHD10 Tandem Units**



**Figure 24: IDC12,14 and WD12,14 Single Units**

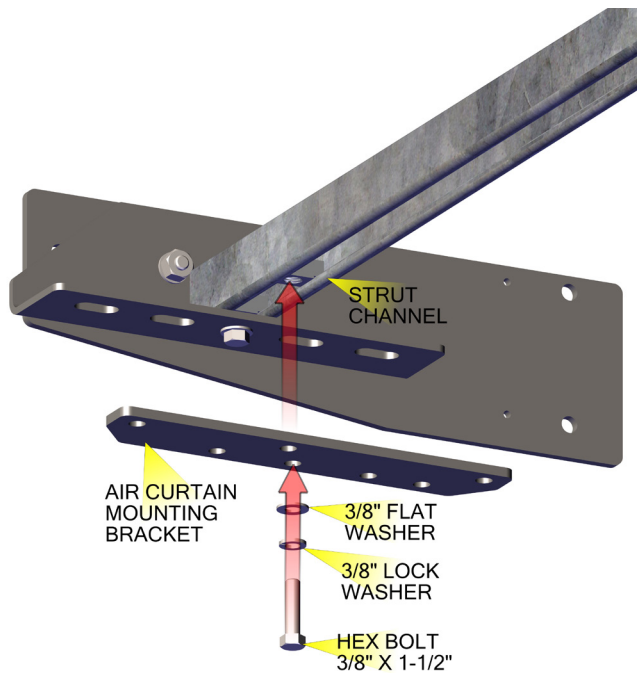


**Figure 25: CLC08 Tandem Units**

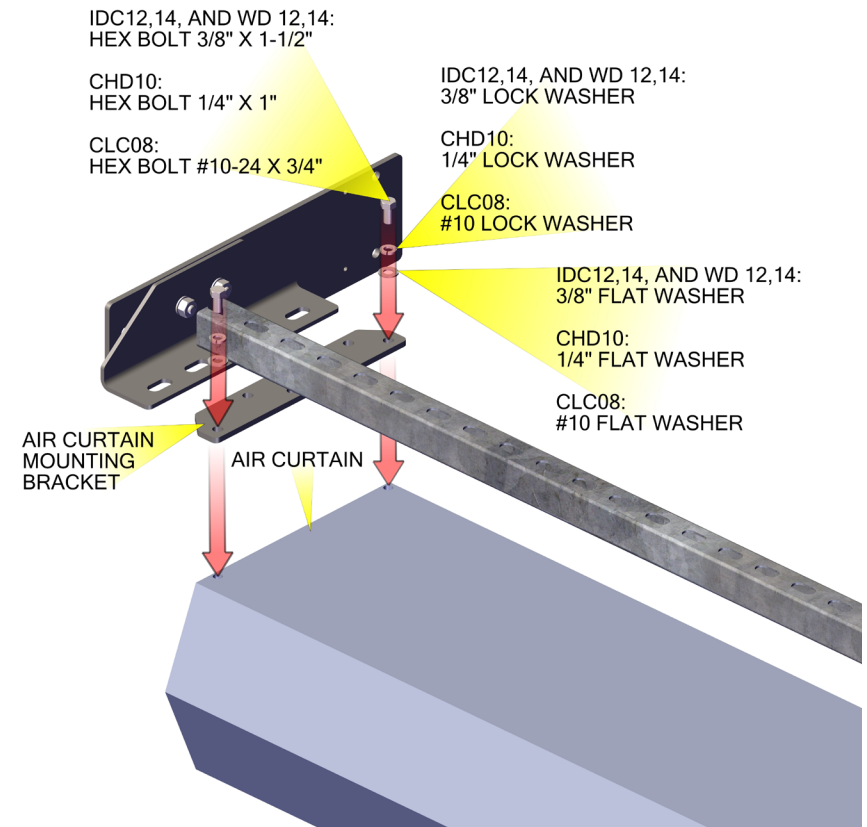
## SECTION 4 - AIR CURTAIN INSTALLATION (IF APPLICABLE) (continued.....)

### STEP 3 ASSEMBLING AIR CURTAIN MOUNTING BRACKET TO AIR CURTAIN

- Assemble the air curtain mounting brackets to the inner strut channel nut, previously installed, see **Figure 26**.
- Center and assemble the air curtain mounting bracket to the air curtain, see **Figure 27**.



**Figure 26**



**Figure 27**

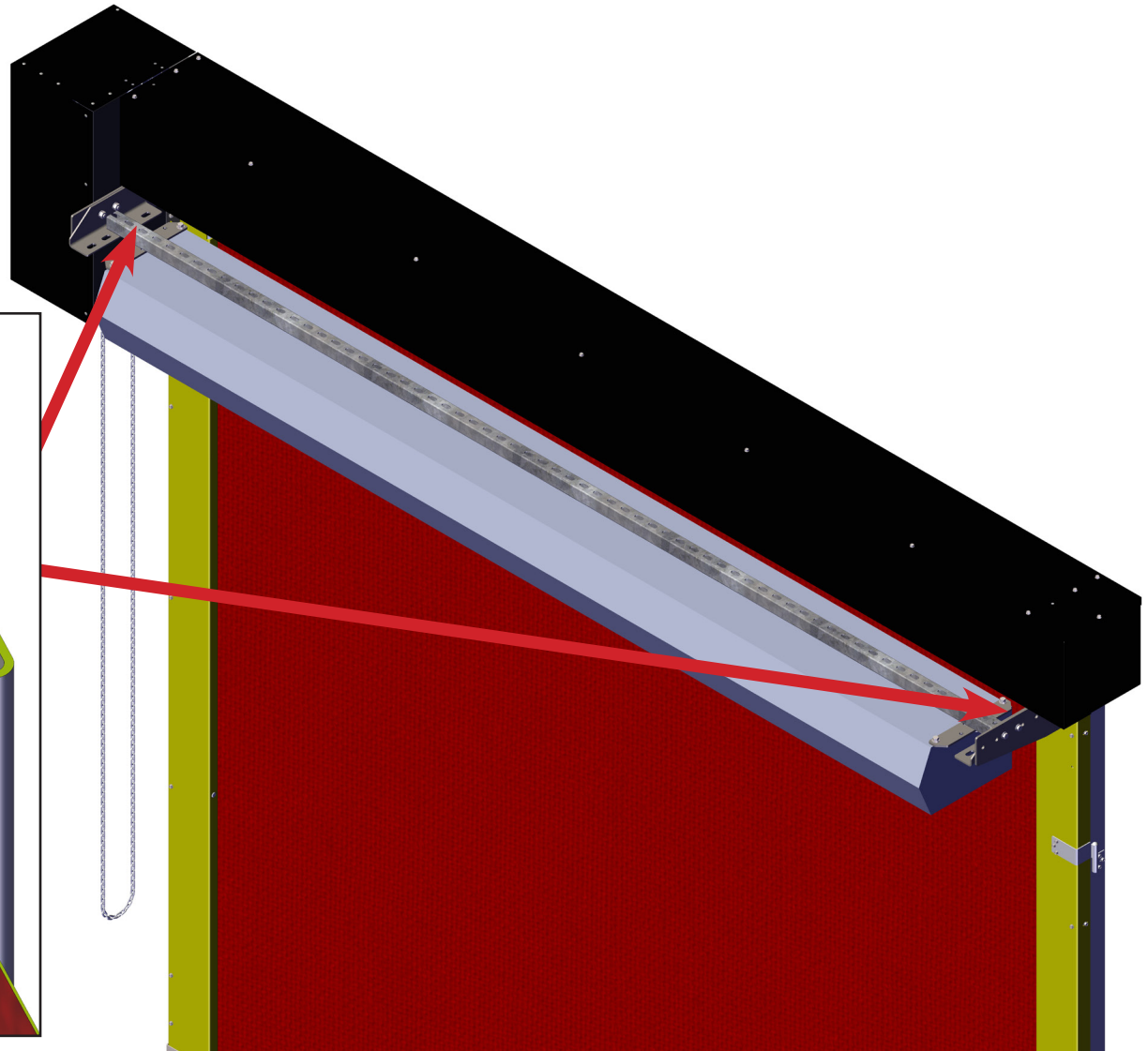
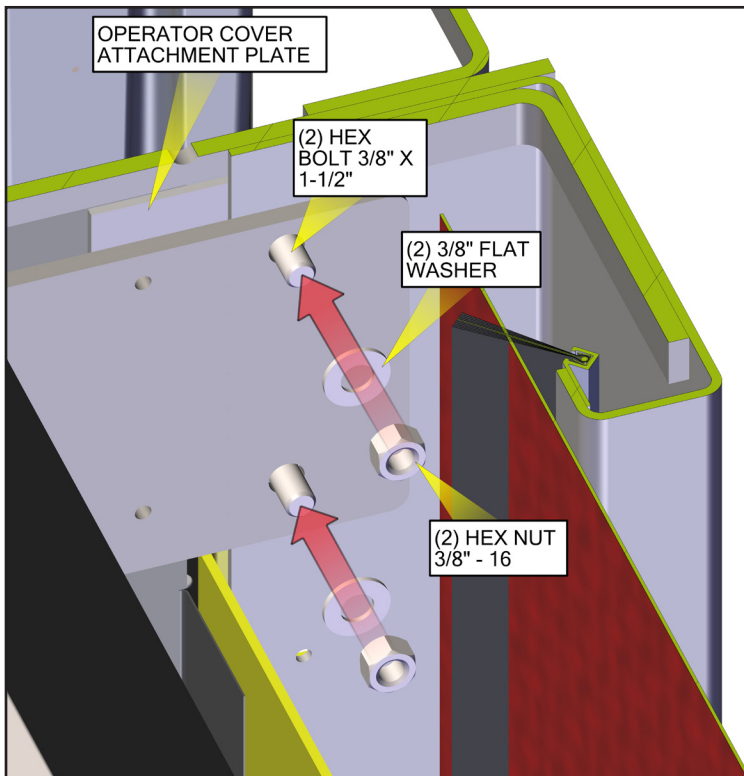
## SECTION 4 - AIR CURTAIN INSTALLATION (IF APPLICABLE) (continued.....)

### STEP 4 ASSEMBLING AIR CURTAIN TO DOOR

- Install the air curtain assembly to the door guides, see **Figure 28**.

### STEP 5 MOTOR AND CONTROLLER WIRING

- For instructions on wiring, please refer to the 500612 Installation Instructions



**Figure 28**



## SECTION 5 - SERVICE AND MAINTENANCE

### ! WARNING

**FAILURE TO PERFORM SPECIFIED SERVICE AND MAINTENANCE MAY RESULT IN AN UNSAFE CONDITION, WILL VOID LIMITED WARRANTY, AND MAY RESULT IN PREMATURE FAILURE OF THE UNIT. SERVICE AND MAINTENANCE ARE NECESSARY TO ENSURE SAFE OPERATION OF THE DOOR.**

#### General Maintenance Interval Message

- Upon reaching 150,000 door cycles (300,000 & 450,000, etc.), the panel will display general maintenance needed.
- Contact your distributor to have required maintenance performed.
- Once service is completed, clear the service message by going into System Configuration ->System -> Clear Service.

#### Sensing Edge & Photoeye systems

- Test sensing edge activation daily.
  - Place a solid object, higher than 12", on floor and close door. Sensing edge should reverse door direction on contact with object.
- Test Photoeye activation daily.
  - Obstruct the Photoeye beam with a solid object. Photoeye should reverse door direction.

#### General Inspection

- Visually inspect wiring conduit and cables.
- Inspect fixtures such as: Bearings, conduit boxes, hood, gear box (for oil leakage), motor.
- Inspect safety labels, placement and condition.
- Lubricate guides with paste wax or silicone spray.

#### Manual Operation of Door

- Inspect door alignment and level.
- Inspect curtain and endlocks for damage.
- Inspect guides, sensing edge and hood for damage.

#### Mounting Bolt Tightness

- Check fasteners anchoring headplates and door guides to wall.

#### Check Limit Position

- Verify the door stops at correct open position.
- Verify that door closes fully without excessive "stacking" of curtain in guides.
- Verify approach speeds provide for smooth starts and stops.

**Keep records of all service and maintenance.**

INSTALLATION DATE: _____		INSTALLER INITIAL: _____	
SERVICE ITEM	SERVICE INTERVAL (frequency)		
	EVERY DAY	EVERY 6 MOS. or 50,000 CYCLES	EVERY 12 MOS. or 100,000 CYCLES
General Inspection		●	
Limit Switch Chain Tension and Alignment		●	
Manual Operation of Door		●	
Sensing Edge & Photo Eye systems	●		
Mounting Bolt Tightness			●
Motor Brake Gap and Motor			●
Check Limit Position		●	
Check Emergency Brake Activation List		●	

**Figure 29**

The Table in **Figure 29**, provides a schedule of Service and Maintenance items. To the right is a list of service and maintenance highlights.



## ADV-X High Speed Fabric and Rubber Doors

### Limited Warranty

Wayne Dalton, a division of Overhead Door Corporation, ("Seller") warrants to the original purchaser of the high speed fabric and rubber door models 881 ADV-X, 882 ADV-X, 883 ADV-X, 884 ADV-X, and 885 ADV-X ("Product"), subject to all of the terms and conditions hereof, that the Product thereof will be free from defects in materials and workmanship under normal use for the following periods, measured from the date of installation::

- **Seller warrants all mechanical door system components and the control panel hardware for a period of 60 MONTHS**

Seller's obligation under this warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Repair or replacement labor for any defective Product component is excluded and will be the responsibility of the purchaser.

This warranty is made to the original purchaser of the Product only, and is not transferable or assignable. This warranty does not apply to any unauthorized alteration or repair of the Product, or to any Product or component which has been damaged or deteriorated due to misuse (including used of interior rated products in exterior applications), neglect, accident, failure to provide necessary maintenance, normal wear and tear, or acts of God or any other cause beyond the reasonable control of Seller. This warranty does not cover replacement batteries or apply to any damage or deterioration caused by door fabric and/or rubber curtain rubbing together as the door rolls up upon itself, puncture, or caused by exposure to salt water, chemical fumes or other corrosive or aggressive environments, whether naturally occurring or man-made, including, but not limited to, environments with a high degree of humidity, sand, dirt or grease.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SELLER BE RESPONSIBLE FOR, OR LIABLE TO ANYONE FOR, SPECIAL, INDIRECT, COLLATERAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES, even if Seller has been advised of the possibility of such damages. Such excluded damages include, but are not limited to, loss of goodwill, loss of profits, loss of use, cost of any substitute product, interruption of business, or other similar indirect financial loss.

Claims under this warranty must be made promptly after discovery, within the applicable warranty period, and in writing to the Seller or to the authorized distributor or installer whose name and address appear below. The purchaser must allow Seller a reasonable opportunity to inspect any Product claimed to be defective prior to removal or any alteration of its condition. Proof of the purchase and/or installation date, and identification as the original purchaser, may be required.

DOOR MODEL: \_\_\_\_\_

ORIGINAL PURCHASER: \_\_\_\_\_

INSTALLATION ADDRESS: \_\_\_\_\_

SELLER: \_\_\_\_\_

SELLER'S ADDRESS: \_\_\_\_\_

FACORY ORDER #: \_\_\_\_\_

DATE OF INSTALLATION: \_\_\_\_\_

SIGNATURE OF SELLER: \_\_\_\_\_