



INSTALLATION INSTRUCTIONS ADV-X MODEL 883 STRUTTED EXTERIOR 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
for details.**

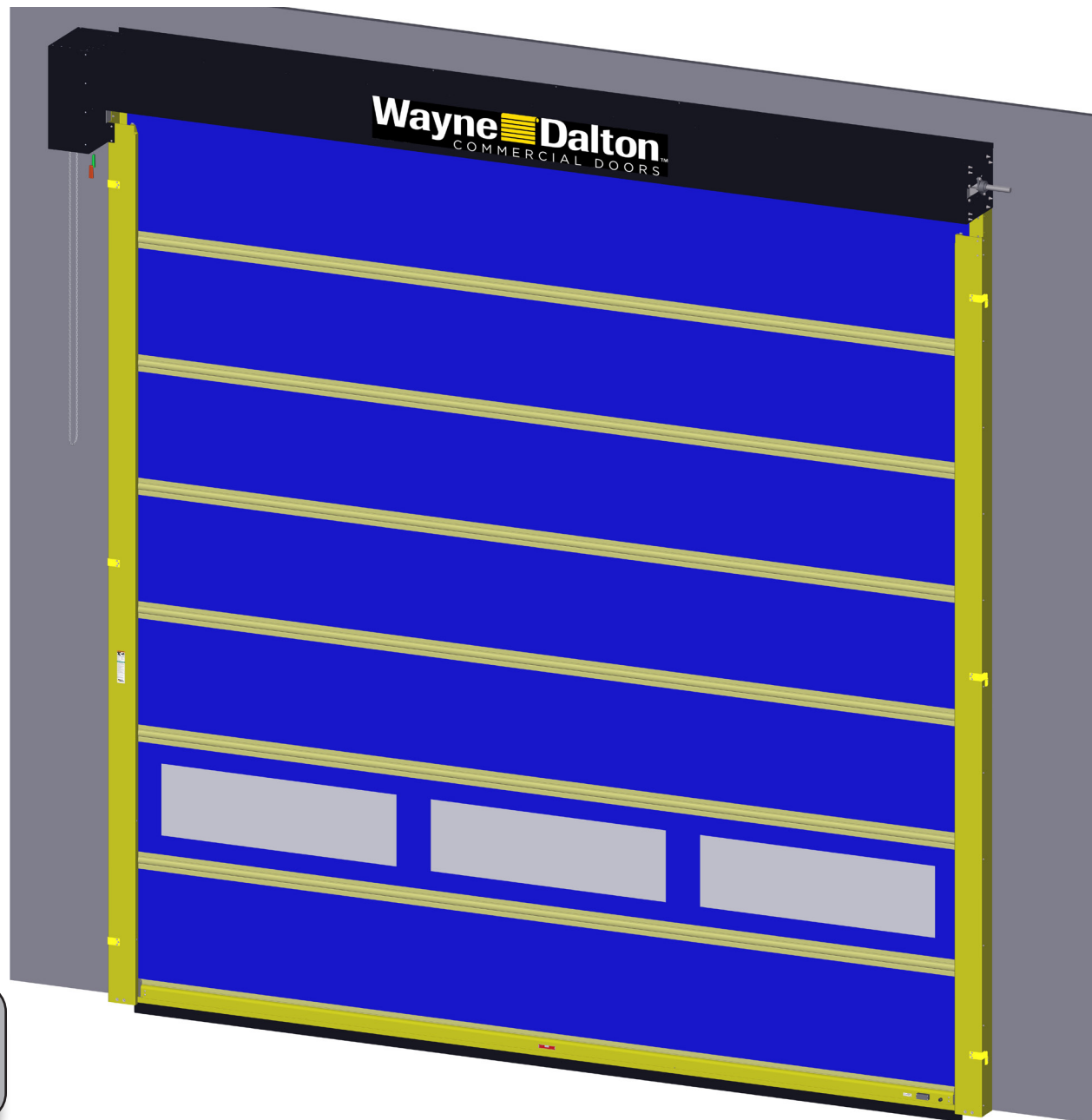


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SECTION 1 - SAFETY INFORMATION

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.

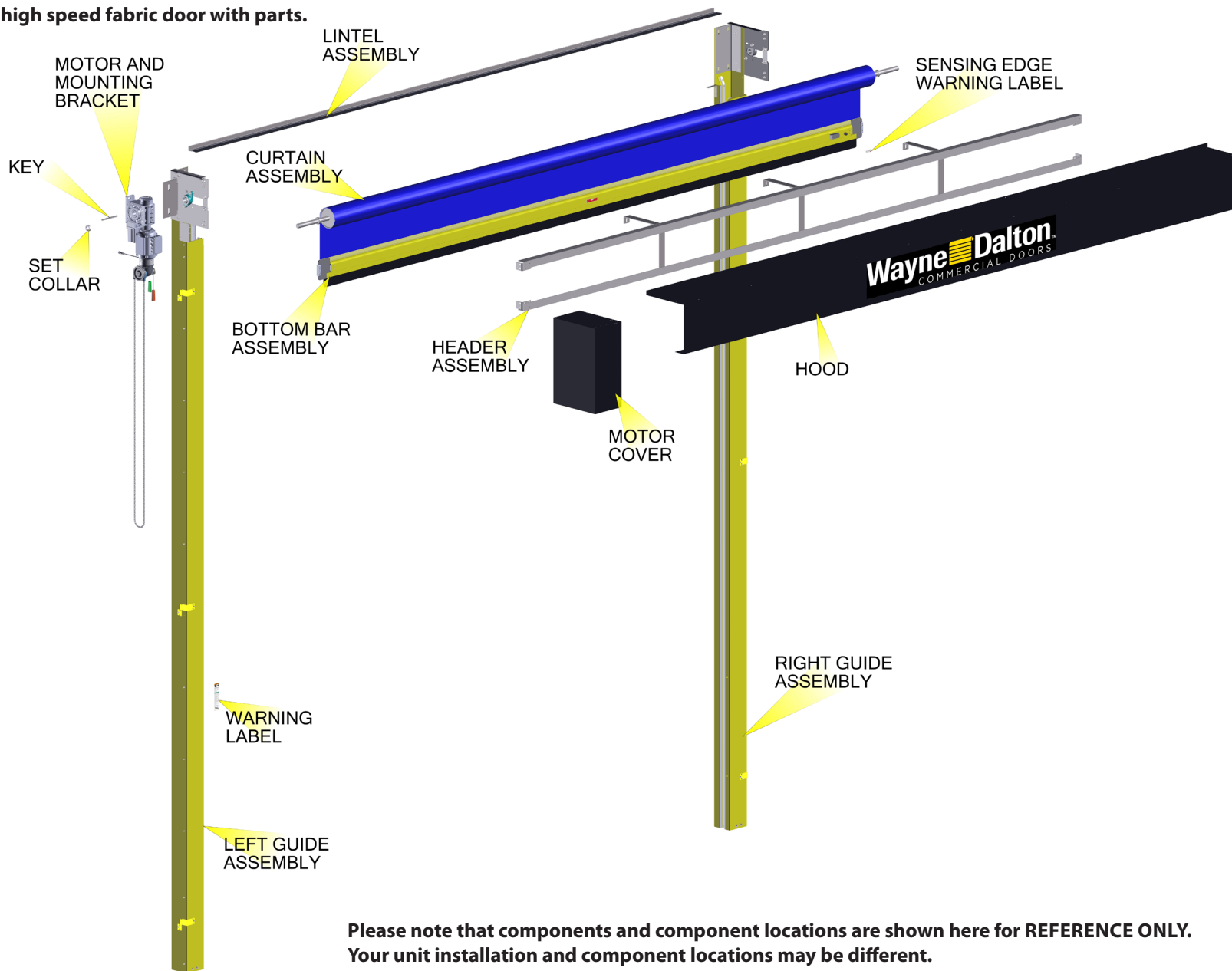
1. Read manual and warnings carefully.
2. Keep the door in good working condition.
3. This door is equipped with a sensing edge, check sensing edge operations daily. Make any necessary repairs to keep it functional.
4. All models are equipped with an overcurrent device. This must be manually reset following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

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

SECTION 2 - GENERAL INFORMATION

COMPONENT IDENTIFICATION DRAWING WITH STANDARD HOOD

Strutted exterior high speed fabric door with parts.

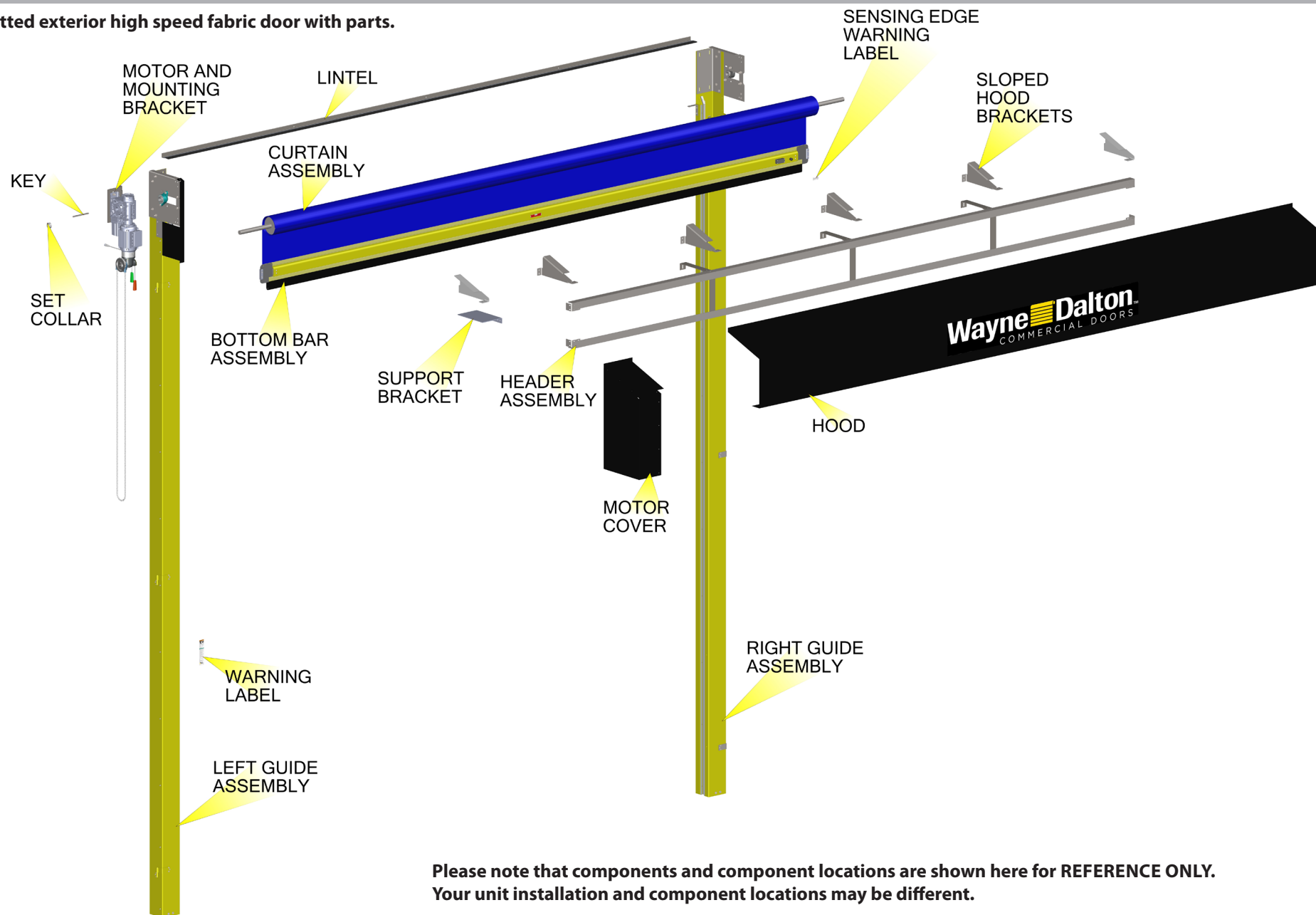


Please note that components and component locations are shown here for REFERENCE ONLY.
Your unit installation and component locations may be different.

SECTION 2 - GENERAL INFORMATION

COMPONENT IDENTIFICATION DRAWING WITH SLOPED HOOD

Strutted exterior 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 ***** Plant. . . 17
Item Number. Related SO . SF 1.007 Lot #. . .
Customer . . 17 OHD CORP - PENNSYLVANIA (R/S) FACILITY Qty. . 1.00 Start Dt . Req D.
Status . . .12 Job. . Drawing #. CONFIGURED
Pty. . Type . 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**.

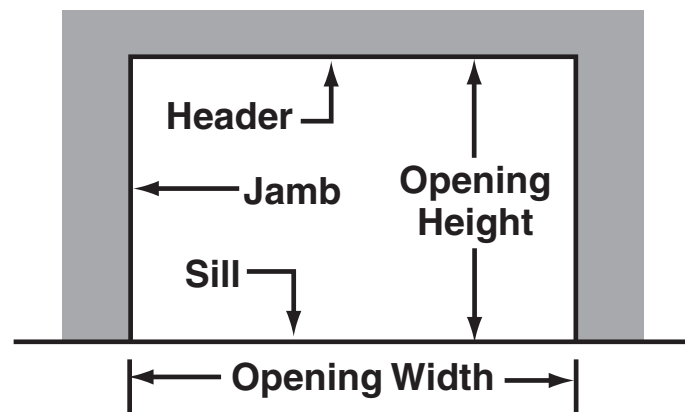


Figure 2



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**.

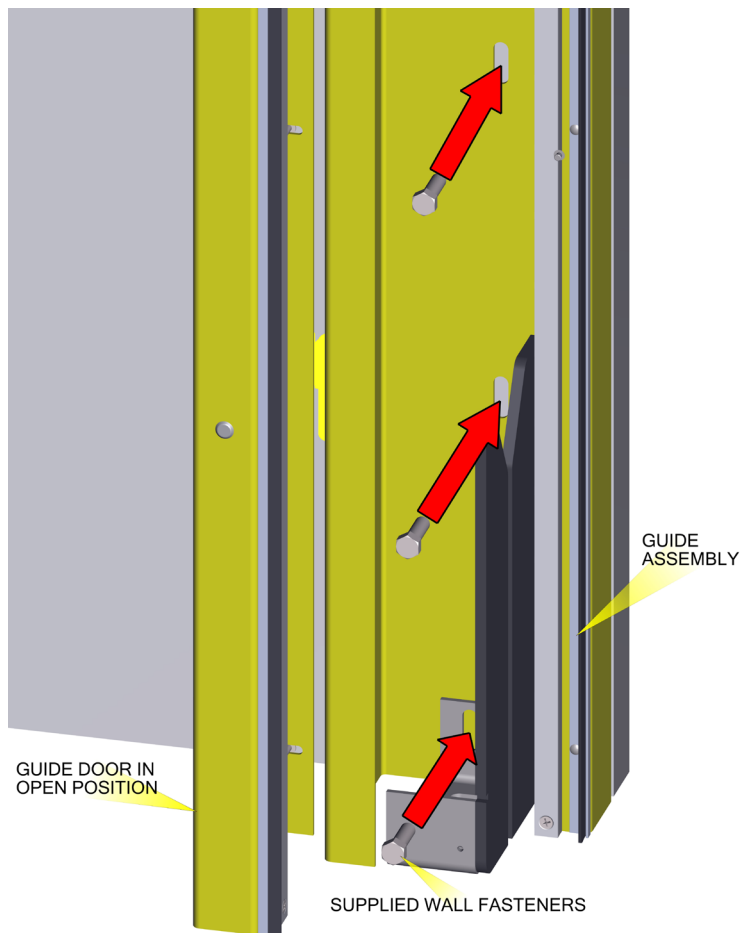


Figure 4

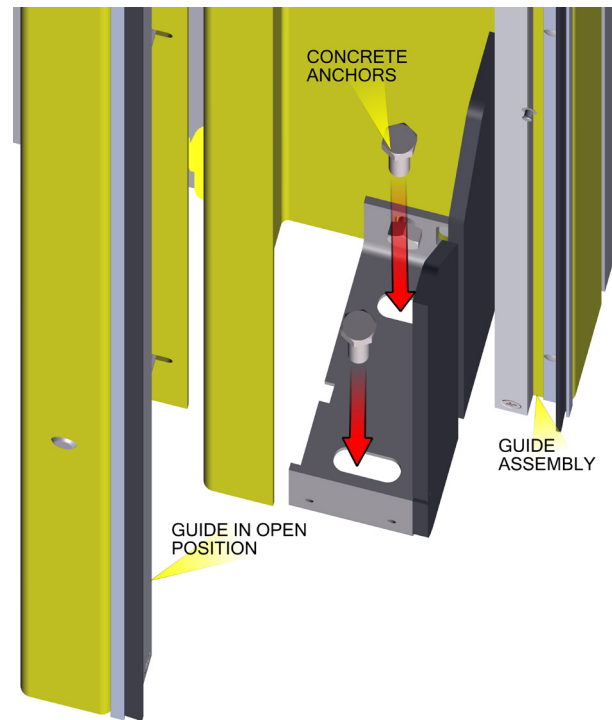


Figure 5

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

STEP 2 INSTALL LINTEL ASSEMBLY

- Attach the lintel assembly to the bracket on each headplate, as shown in **Figure 6** and **Figure 7**.

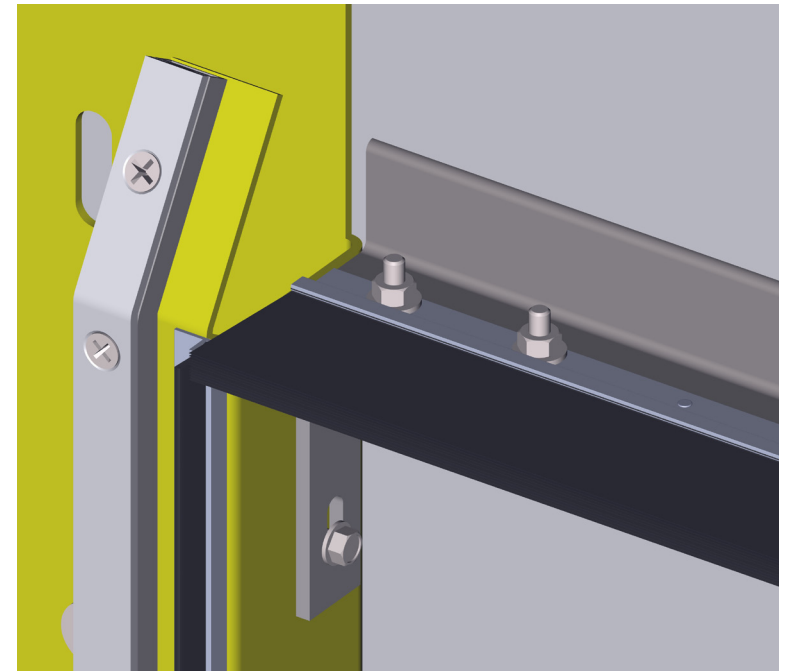
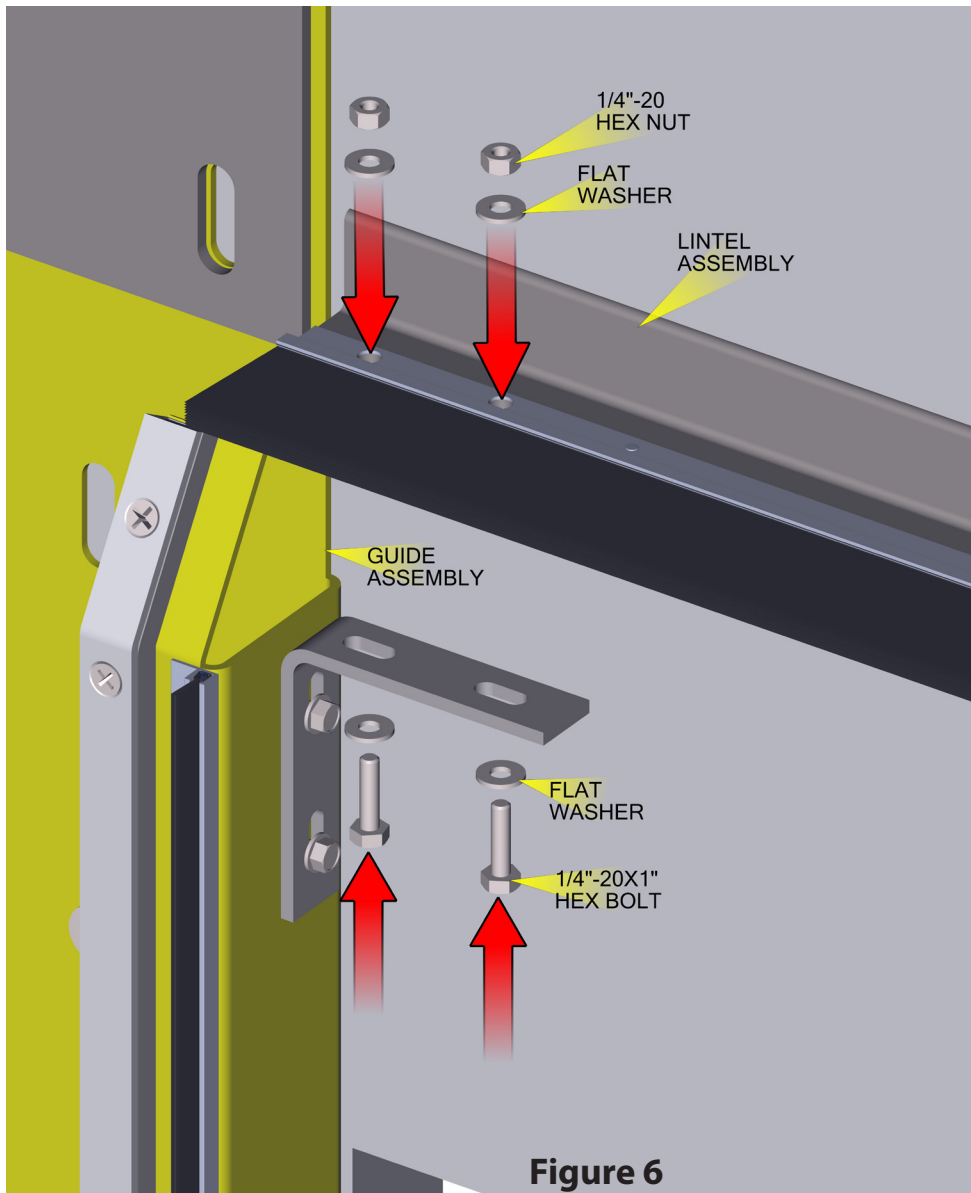


Figure 7

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 pre-installed bearings and shaft gates from both headplates, as shown in **Figure 8**.
- 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 9**.
- Before removing the forklift or supporting equipment, reinstall the bearings by sliding them onto the shaft and attaching them to the headplates. Also reinstall the shaft gates to the headplates. See **Figure 10**.
- Only hand tighten the nuts onto the bolts of the bearings as you will need to make adjustments before final tightening.

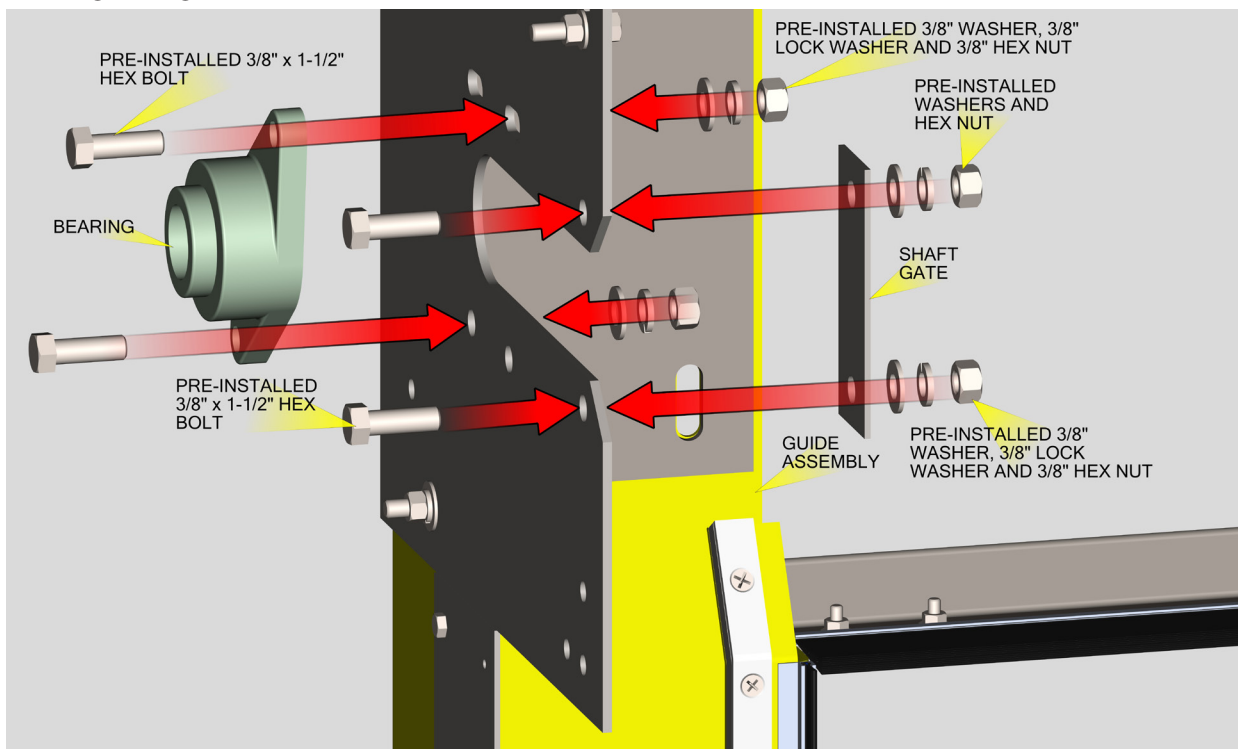


Figure 8

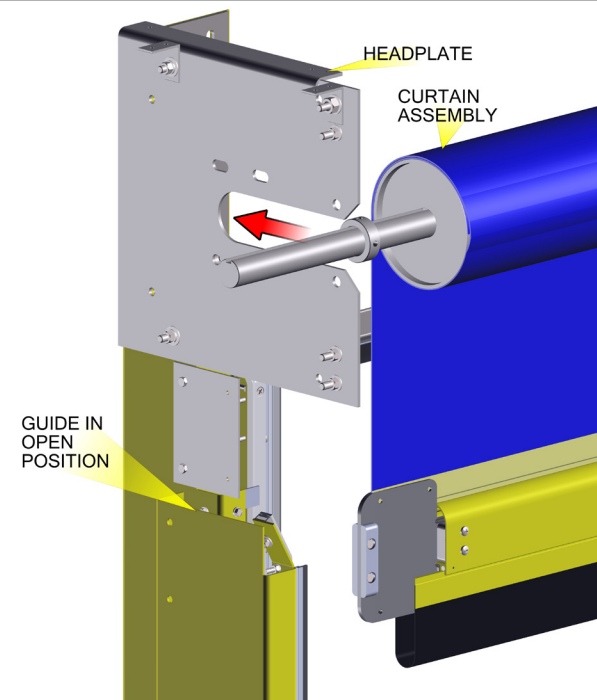


Figure 9

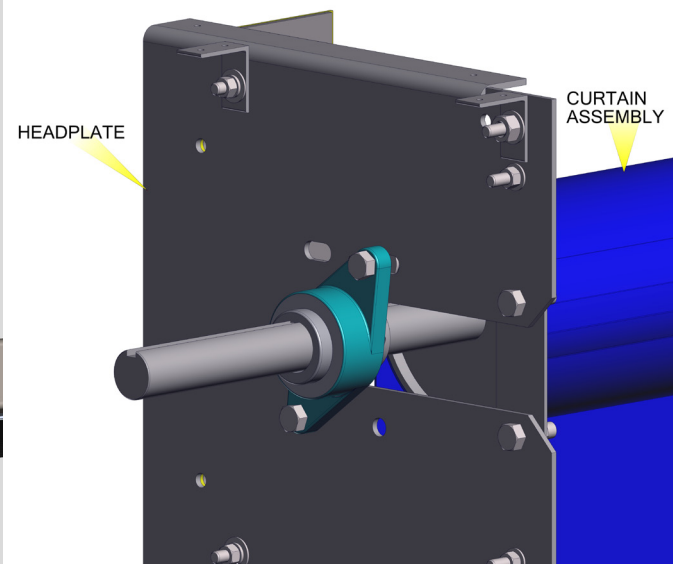


Figure 10

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

STEP 4 INSTALL MOTOR

- Remove pre-installed nuts and washers from headplates, as shown in **Figure 11**. ONLY remove the nuts and washers from the two bolts, as shown in **Figure 11**.
- Slide motor onto shaft, as shown in **Figure 11**.
- 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, as shown in **Figure 12**.
- Slide the set collar onto the shaft up against the motor. Tighten set screw in the set collar, as shown in **Figure 13**.

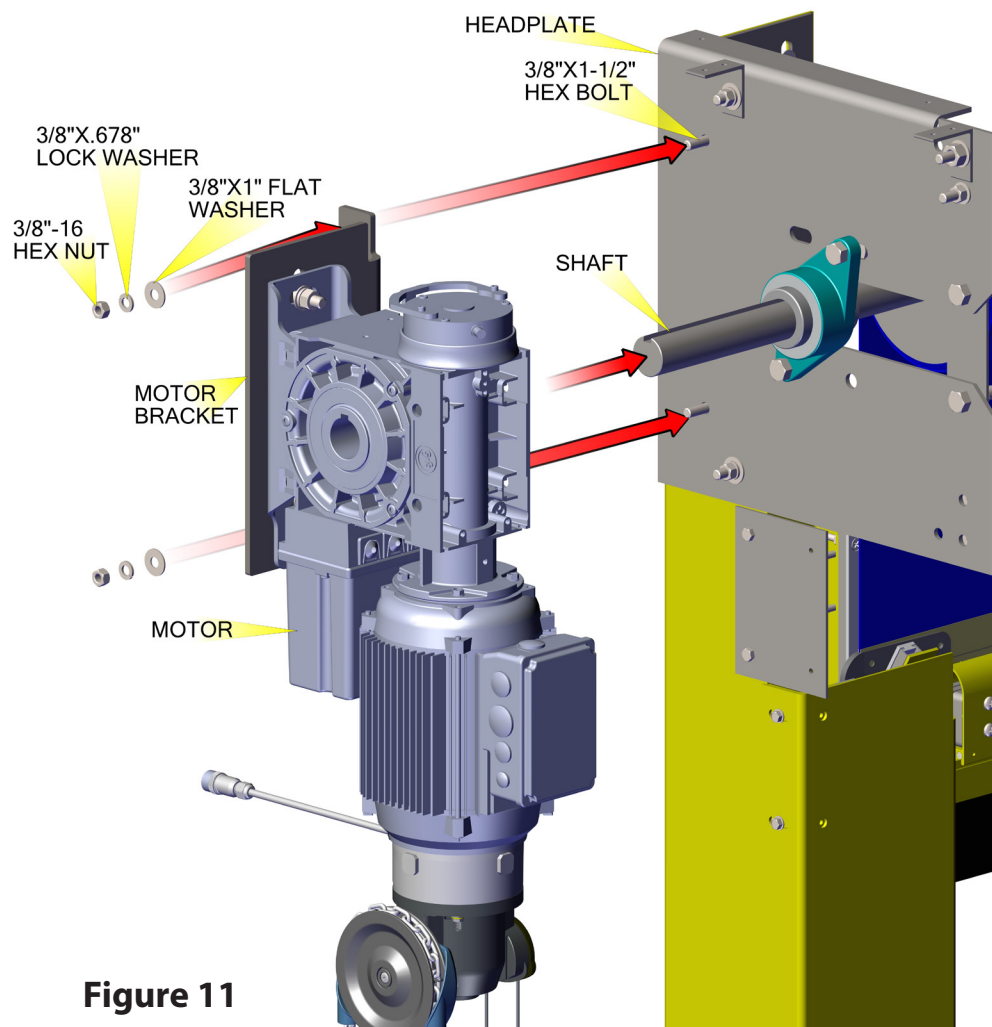


Figure 11

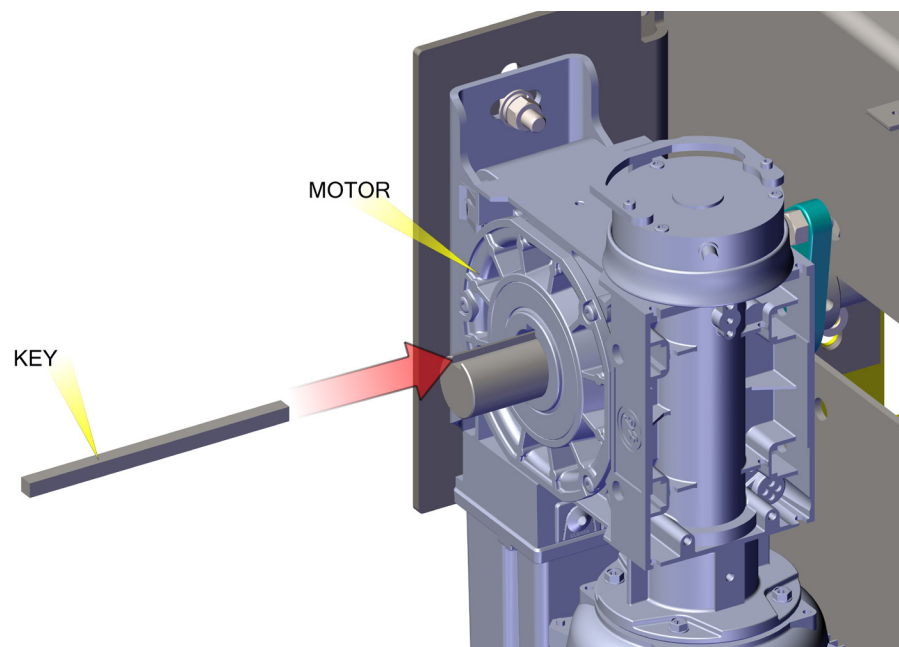


Figure 12

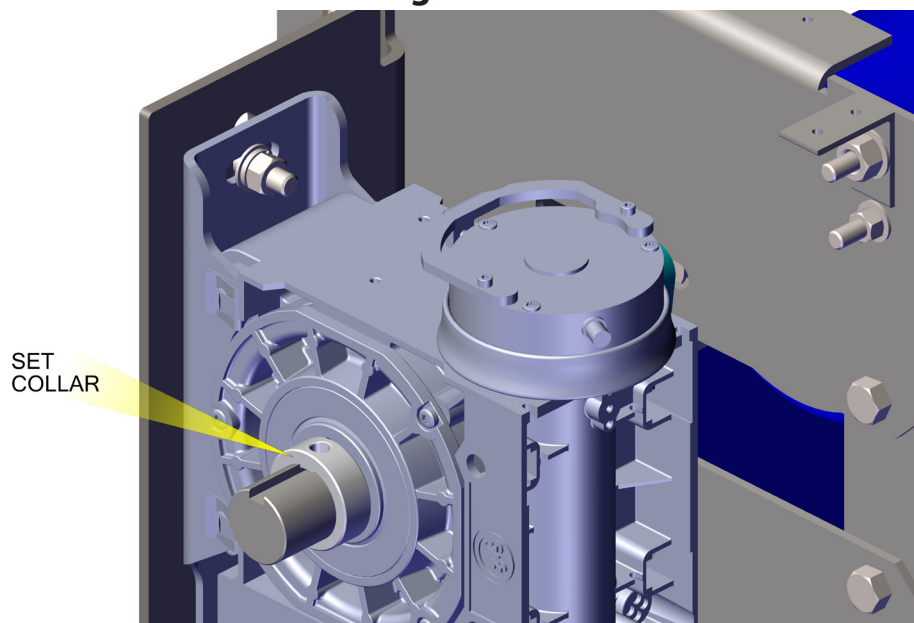


Figure 13

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 and set collars 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 14**.
- Using the bolts and washers provided attach the front guide to the floor bracket at each slotted hole locations, as shown in **Figure 15**.

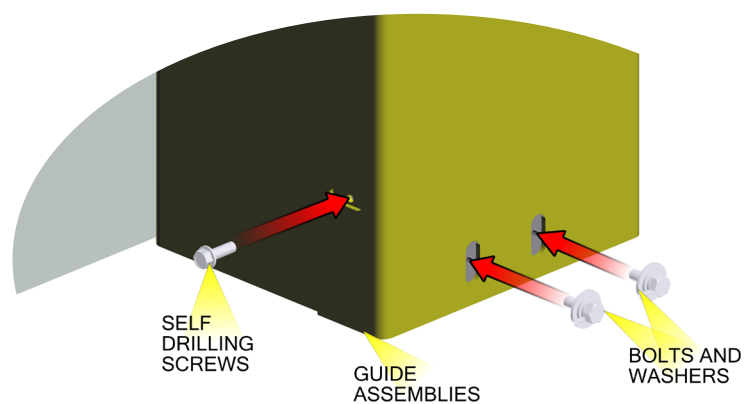


Figure 14

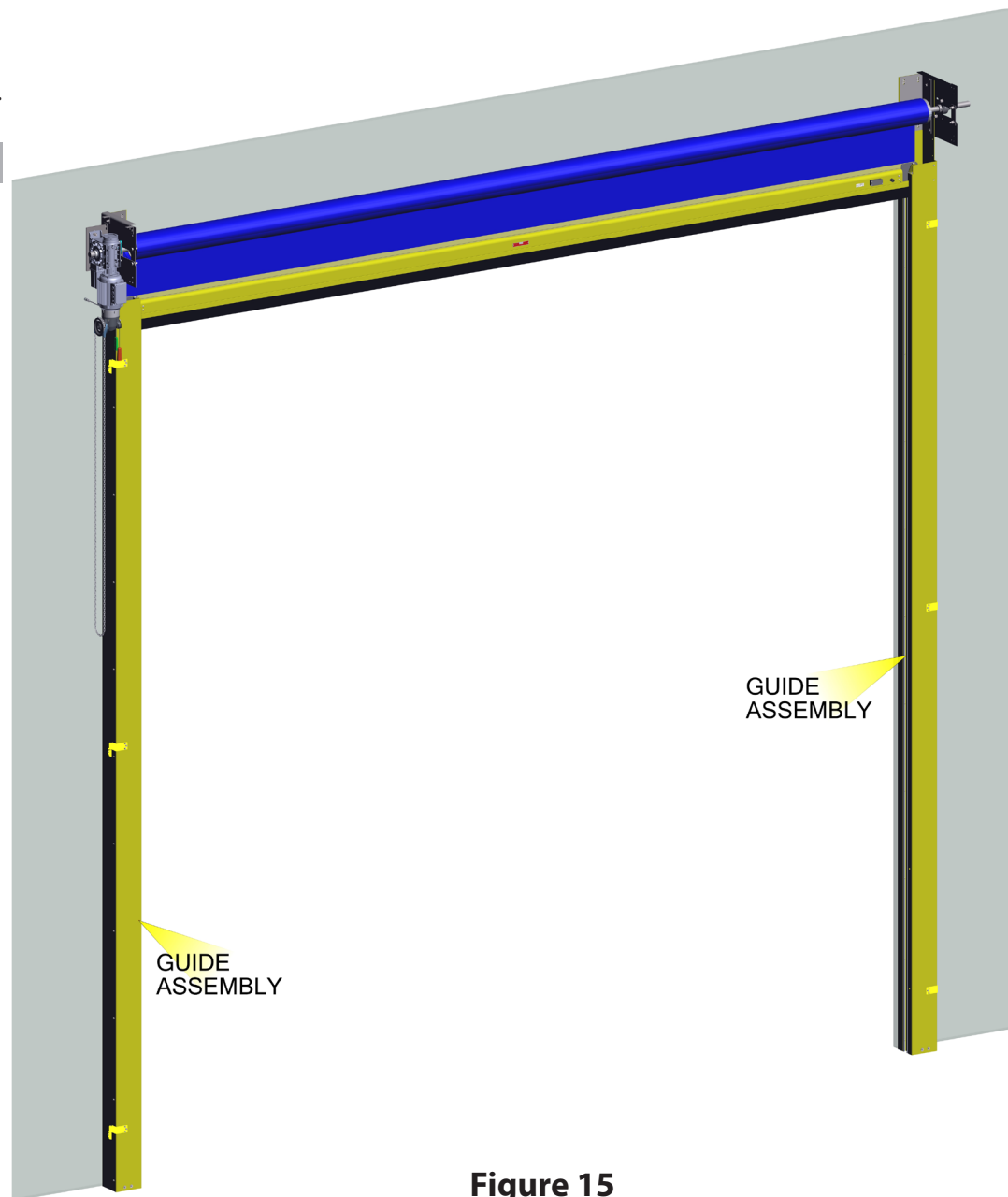


Figure 15

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

STEP 7 INSTALL HEADER ASSEMBLY WITH STANDARD HOOD

NOTE: If you have a sloped hood, skip this step and proceed with Step 7A.

- Locate nuts and washers in the hardware bag to be used for header assembly and attachment.
- Assemble the braces to the header angles, as shown in **Figure 16** and **Figure 17**.
- Align the header assemblies, as shown in **Figure 18** and install using the attachment hardware from the hardware bag.
- 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.

FOR STANDARD HOOD INSTALLATION

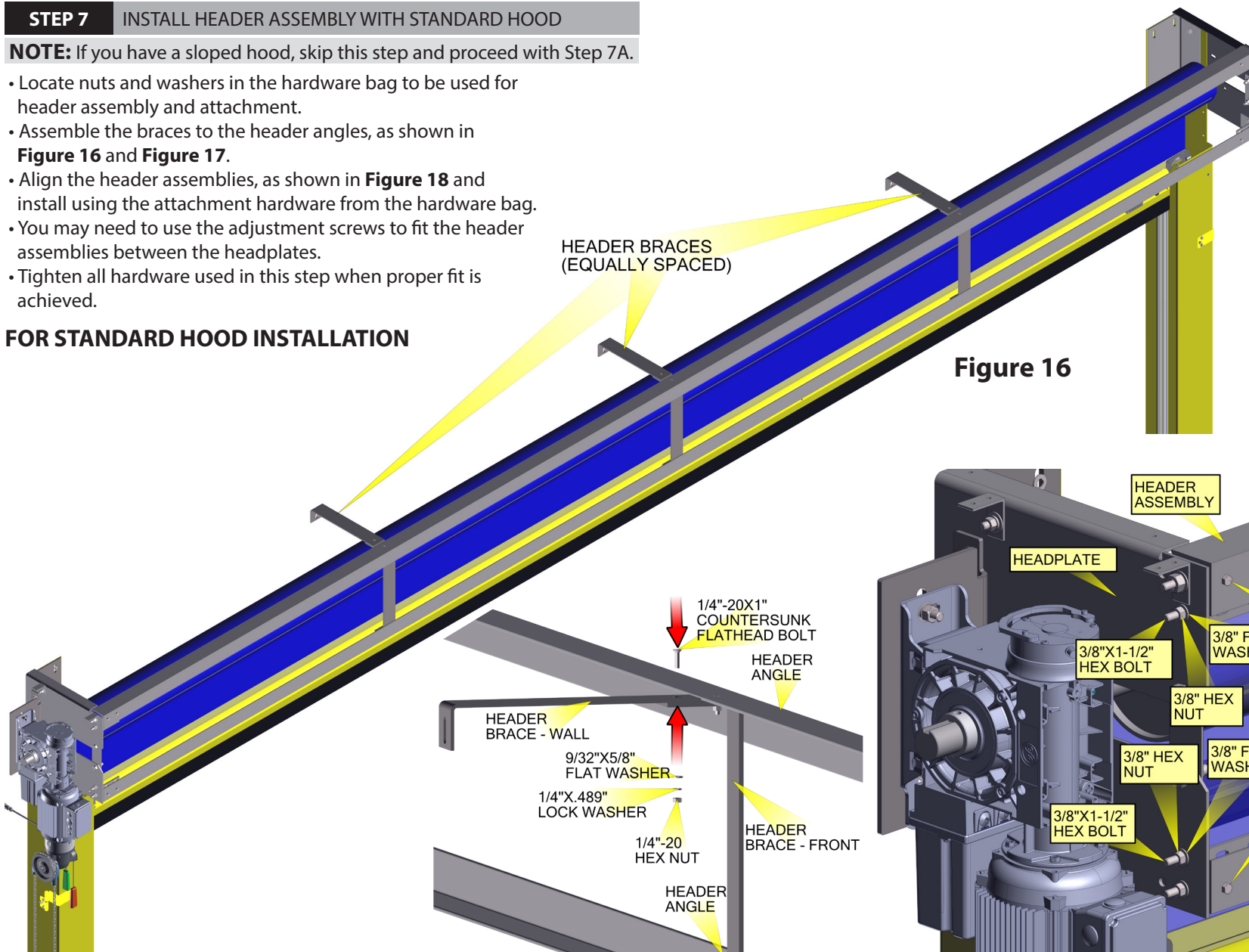


Figure 16

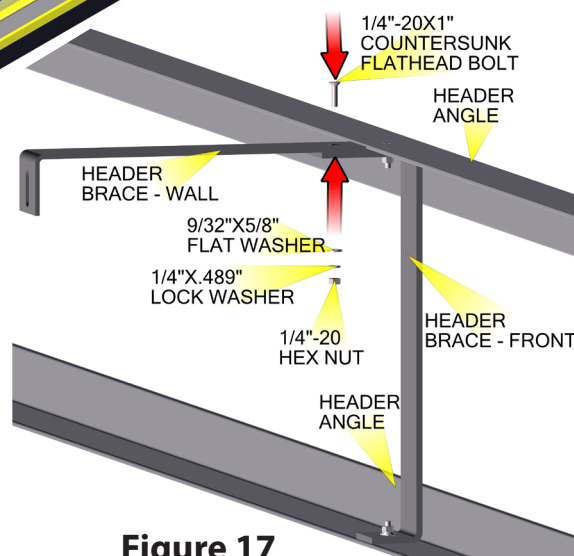


Figure 17

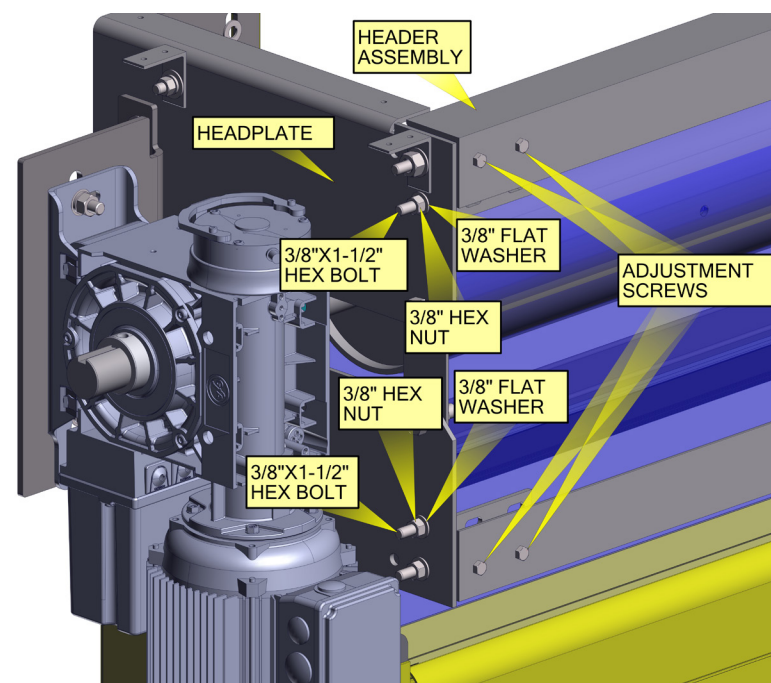


Figure 18

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

STEP 7A INSTALL HEADER ASSEMBLY WITH SLOPED HOOD

NOTE: If you have a sloped hood, proceed with this Step 7A.

- Locate nuts and washers in the hardware bag to be used for header assembly and attachment.
- Assemble the components of the header assembly, as shown in **Figure 19** through **Figure 20**.
- Align the header assemblies, as shown in **Figure 21** through **Figure 22** and install using the attachment hardware from the hardware bag.
- 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.

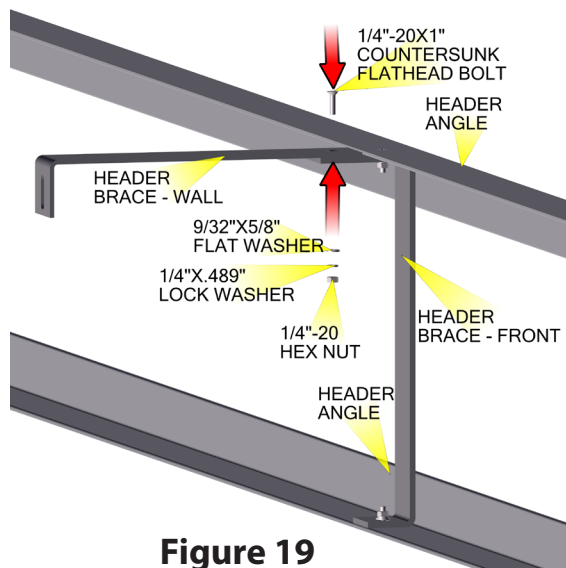


Figure 19

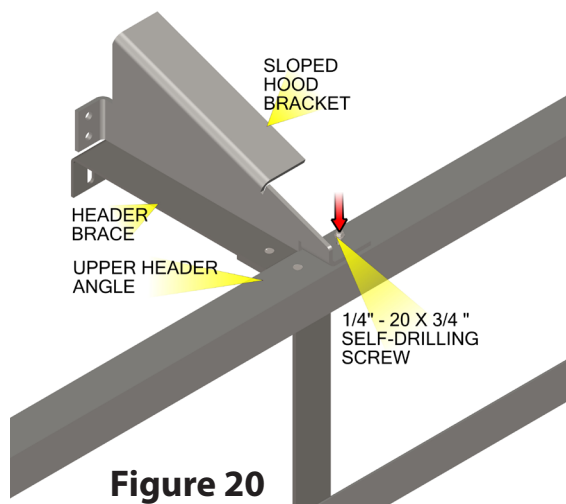


Figure 20

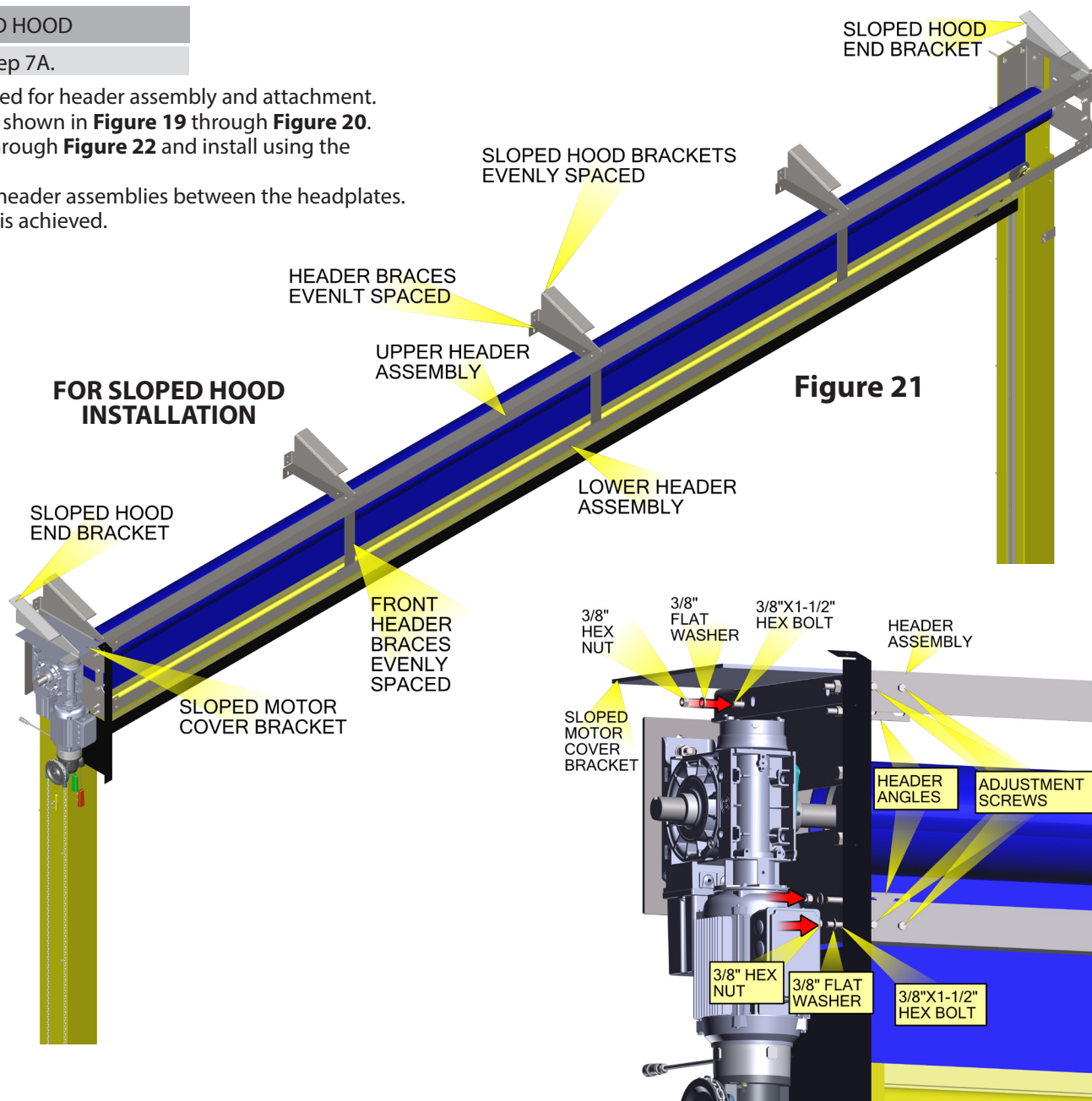


Figure 21

Figure 22

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

STEP 8 MOTOR AND CONTROLLER WIRING

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

STEP 9 INSTALL STANDARD HOOD AND STANDARD MOTOR HOUSING

NOTE: If you have a sloped hood, skip this step and proceed with Step 9A.

- Install the hood and motor housing using the self drilling screws provided.

FOR STANDARD HOOD INSTALLATION

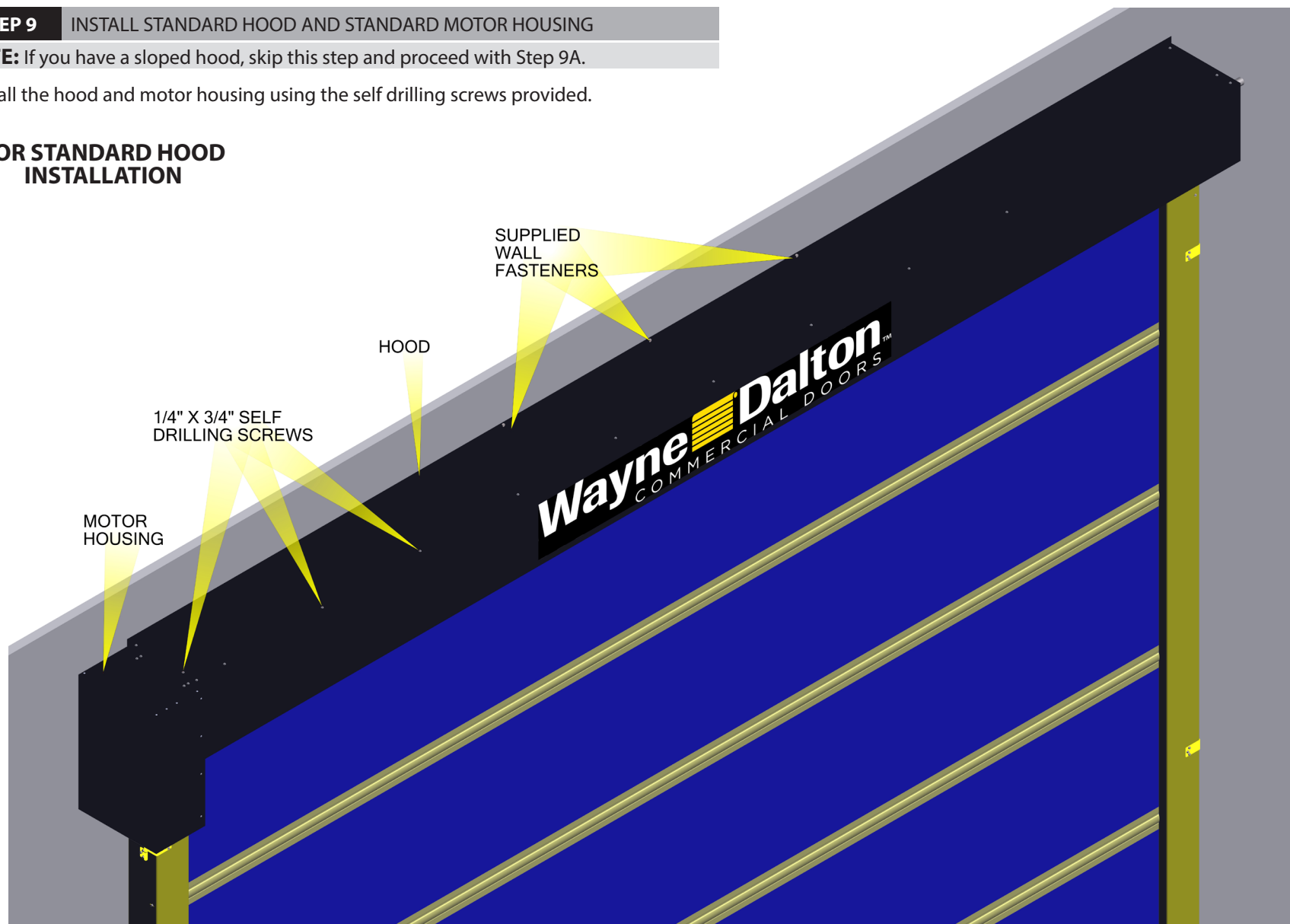


Figure 23

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

STEP 9A INSTALL SLOPED HOOD AND SLOPED MOTOR HOUSING

NOTE: If you have a sloped hood, skip this step and proceed with Step 9A.

- Install the hood and motor housing using the self drilling screws provided.

FOR SLOPED HOOD INSTALLATION

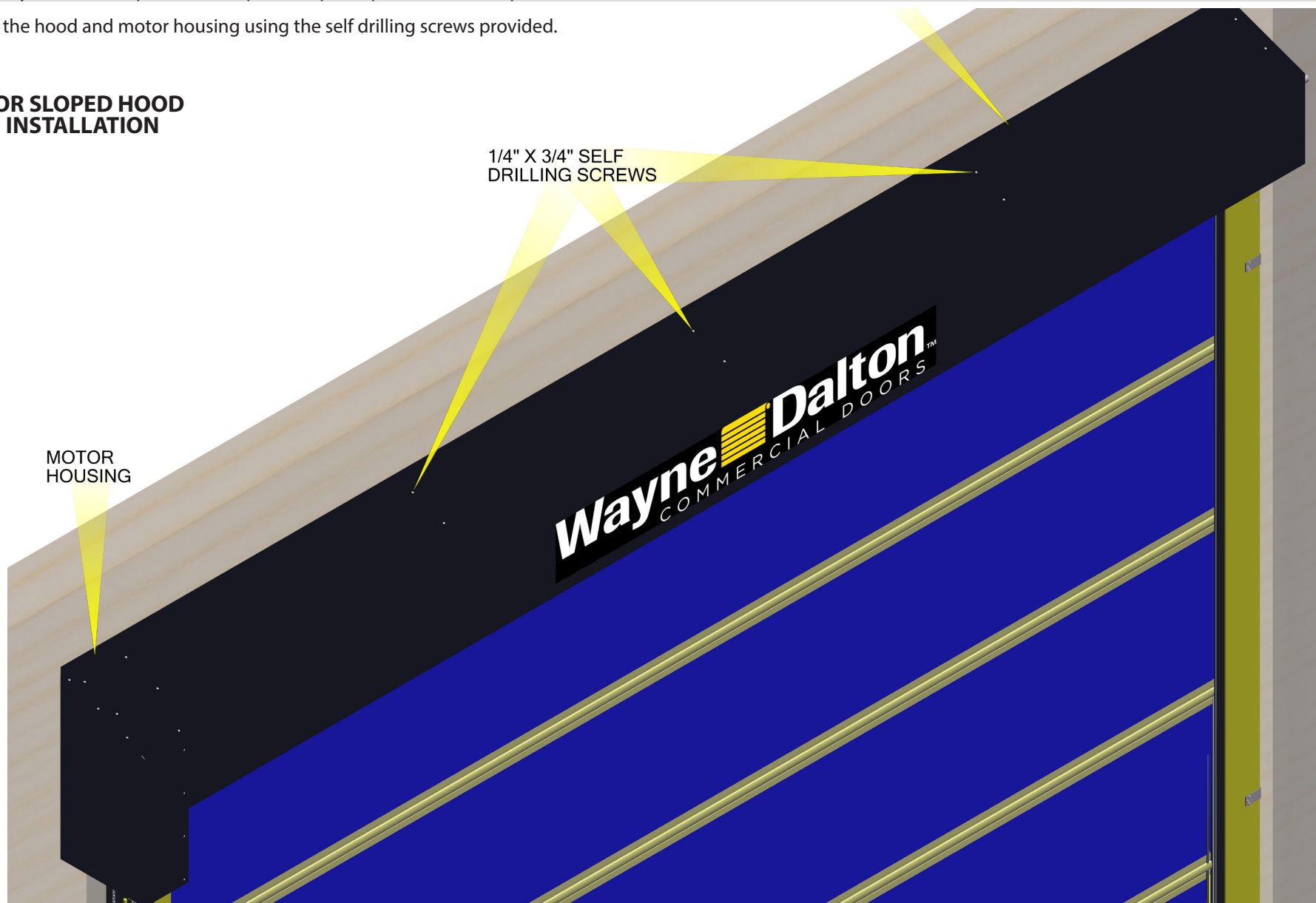


Figure 24

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

STEP 110 APPLY WARNING LABEL

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.

- Product safety label must be installed.
- Place safety label on drive side guide at a readable height.
- Place sensing edge safety label on the bottom bar.

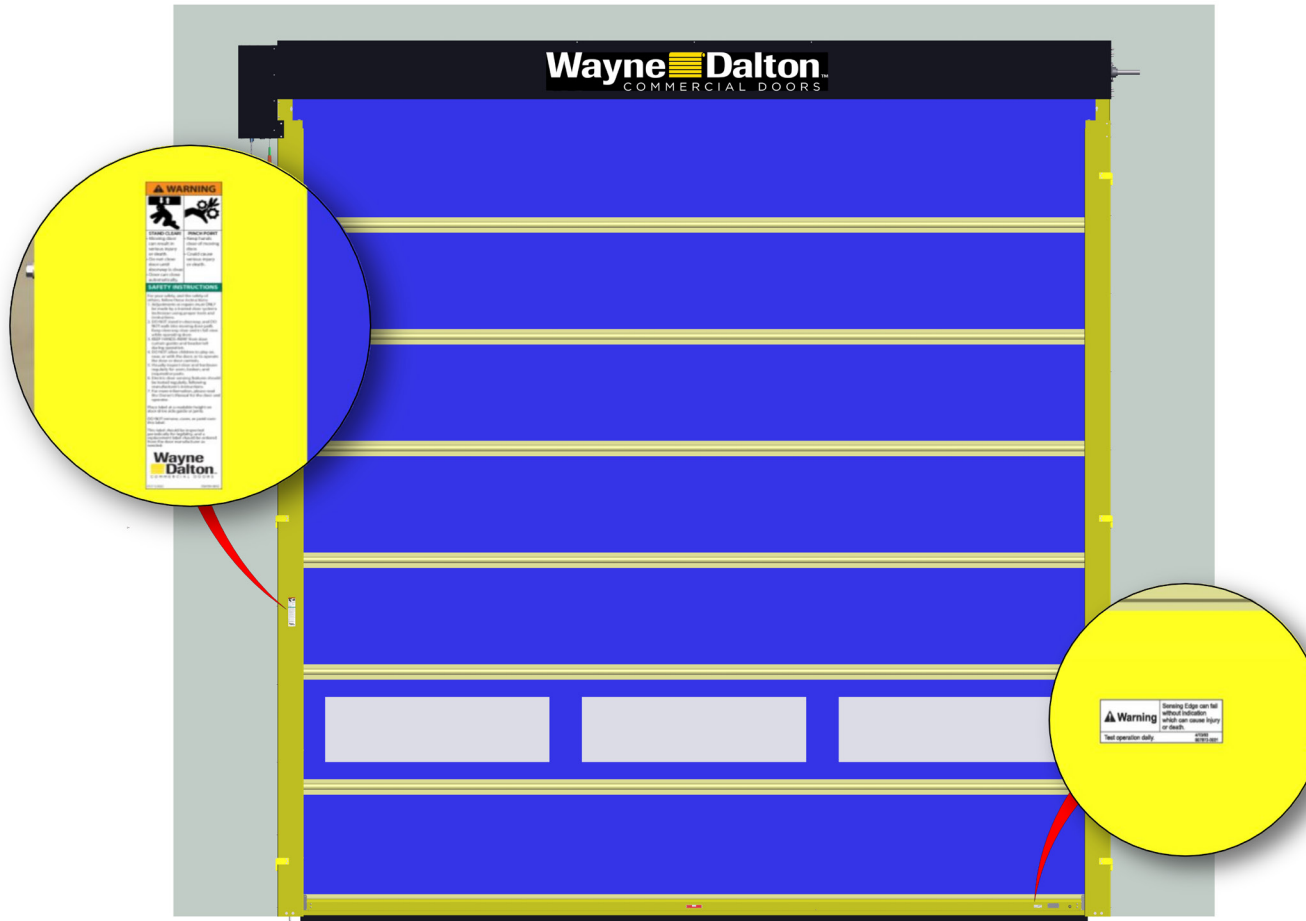


Figure 25

SECTION 4 - 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.

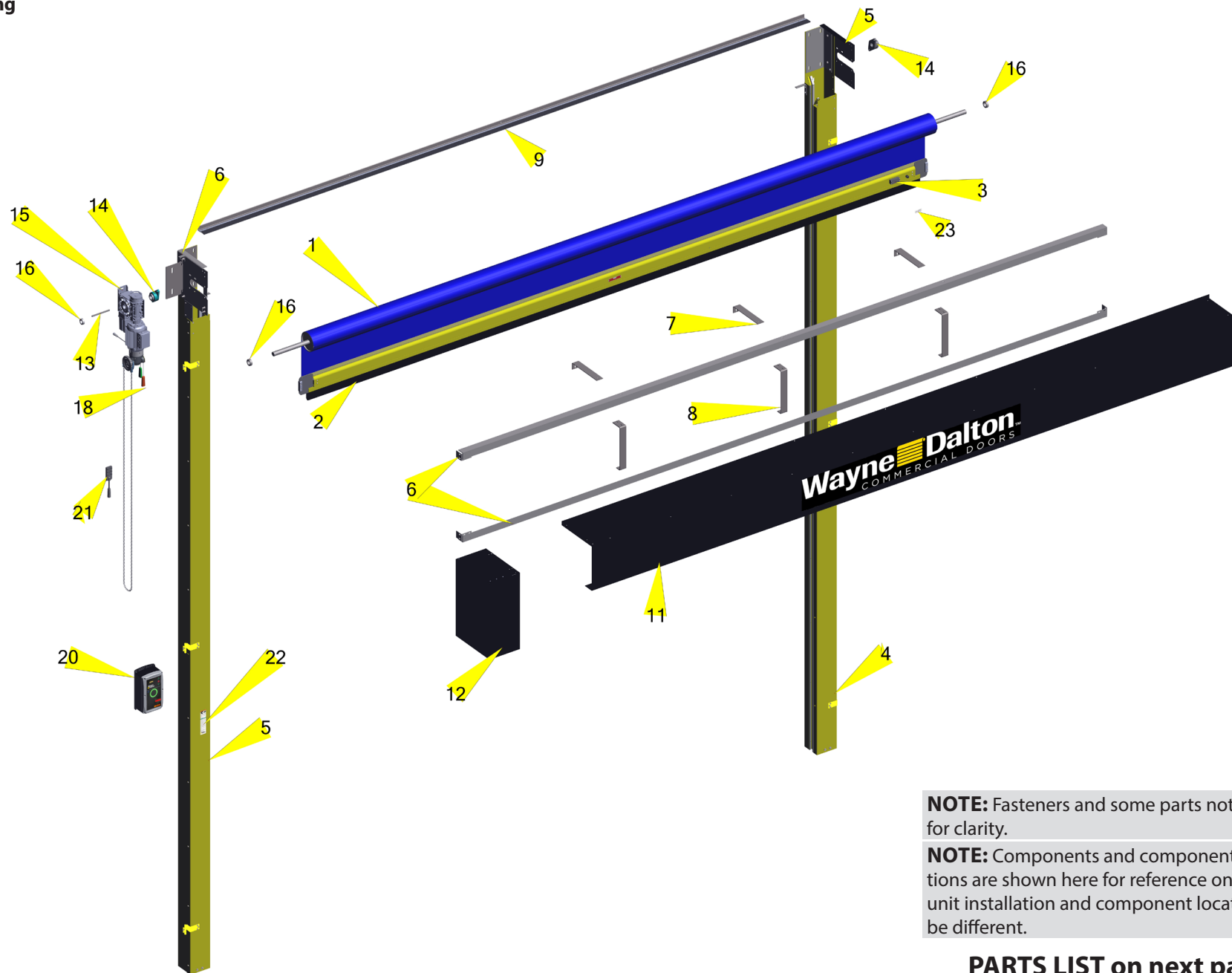
INSTALLATION DATE: _____		INSTALLER INITIAL: _____	
SERVICE ITEM	SERVICE INTERVAL (frequency)		
	EVERY DAY	EVERY 6 MOS. or 50,000 * CYCLES	EVERY 12 MOS. or 100,000 CYCLES
General Inspection		●	
Limit Switch Chain Tension and Alignment		●	
Manual Operation of Door		●	
Sensing Edge & Photo Eye systems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

Figure 26

The Table in **Figure 26**, provides a schedule of Service and Maintenance items. To the right is a list of service and maintenance highlights.

SECTION 4 - Illustrated Parts Breakdown

Parts Drawing



NOTE: Fasteners and some parts not shown for clarity.

NOTE: Components and component locations are shown here for reference only. Your unit installation and component locations may be different.

PARTS LIST on next page

SECTION 5 - Illustrated Parts Breakdown (continued.....)

Table of Part Numbers

BEFORE ORDERING PARTS LOCATE YOUR ORIGINAL DOOR NUMBER FOUND ON THE NAMEPLATE ATTACHED TO YOUR BOTTOM BAR							
ITEM	DESCRIPTION	PART NUMBER	BUILT TO ORDER	ITEM	DESCRIPTION	PART NUMBER	BUILT TO ORDER
1	COMPLETE CURTAIN ASSY.	INQUIRE	YES	13	KEY .375 X .375 X 9"	082090	NO
2	COMPLETE BOTTOM BAR ASSY.	INQUIRE	YES	14	FLANGE BEARING	600261	NO
3	SENSING EDGE CONDUIT BOX	500365	NO	15	MOTOR UNIT	INQUIRE	NO
4	RH GUIDE ASSEMBLY	INQUIRE	YES	16	SET COLLAR	604297-1150	NO
5	LH GUIDE ASSEMBLY	INQUIRE	YES	17	NOT USED	N/A	N/A
6	HEADER ASSEMBLY	822501	NO	18	NOT USED	N/A	N/A
7	HEADER BRACE WALL SIDE	822506	NO	19	NOT USED	N/A	N/A
8	HEADER BRACE FRONT SIDE	822505	NO	20	CONTROL PANEL	INQUIRE	NO
9	LINTEL ASSEMBLY	822503	YES	21	JUNCTION BOX	820603	NO
10	NOT USED	N/A	N/A	22	SAFETY LABEL	356994	NO
11	HOOD	822321	YES	23	SENSING EDGE WARNING LABEL	607873	NO
12	MOTOR COVER ASSY	822324	NO				



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: _____

FACOTRY ORDER #: _____

DATE OF INSTALLATION: _____

SIGNATURE OF SELLER: _____