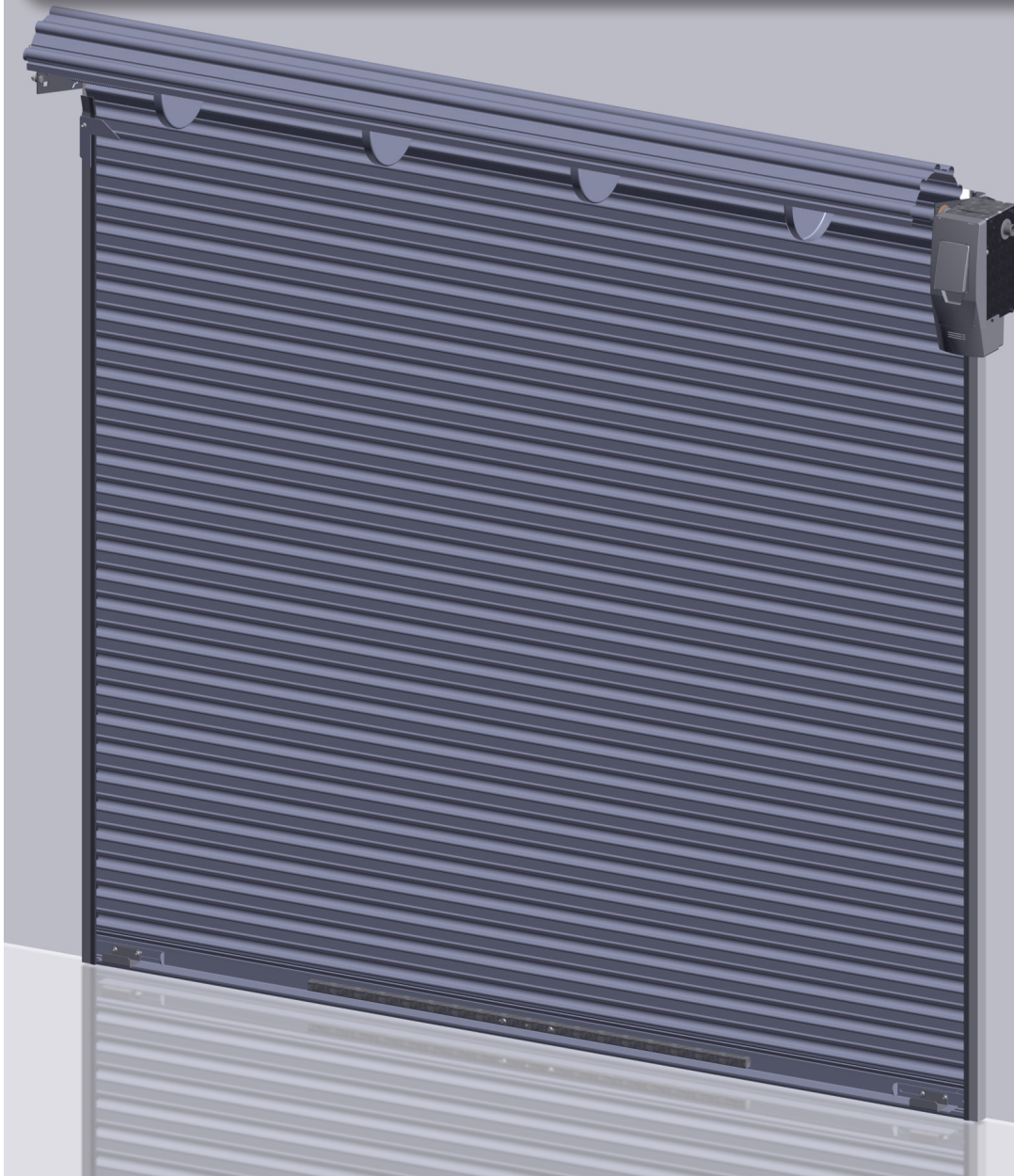


INSTALLATION INSTRUCTIONS

MODEL 770-SS MINI ROLL-UP DOORS, WITH SIDE MOUNT OPERATOR



The Genuine. The Original.



This installation manual provides the trained door technician information required to install this door.

**READ COMPLETE INSTRUCTIONS BEFORE
INSTALLING DOOR.**

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

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

Expansion Anchor Requirement 500436-0001
found on Ribbon Connect

41510.00119 Installation Instructions for Motor
Enclosure (Included)

This manual is intended **ONLY** for professional use by a trained door systems technician. All others please refer to the end user manual provided to you.

After installation is complete, leave this manual with the Homeowner. Maintenance instructions on page 24.

Product may be covered by one or more patents. See www.overheaddoor.com/about-us/patents for details.

The Genuine. The Original.



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SECTION 1 - SAFETY INFORMATION

OVERVIEW OF POTENTIAL HAZARDS READ THIS SAFETY INFORMATION




⚠ WARNING

Rolling Doors 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 questions or do NOT understand the information presented, call your nearest trained door system technician.

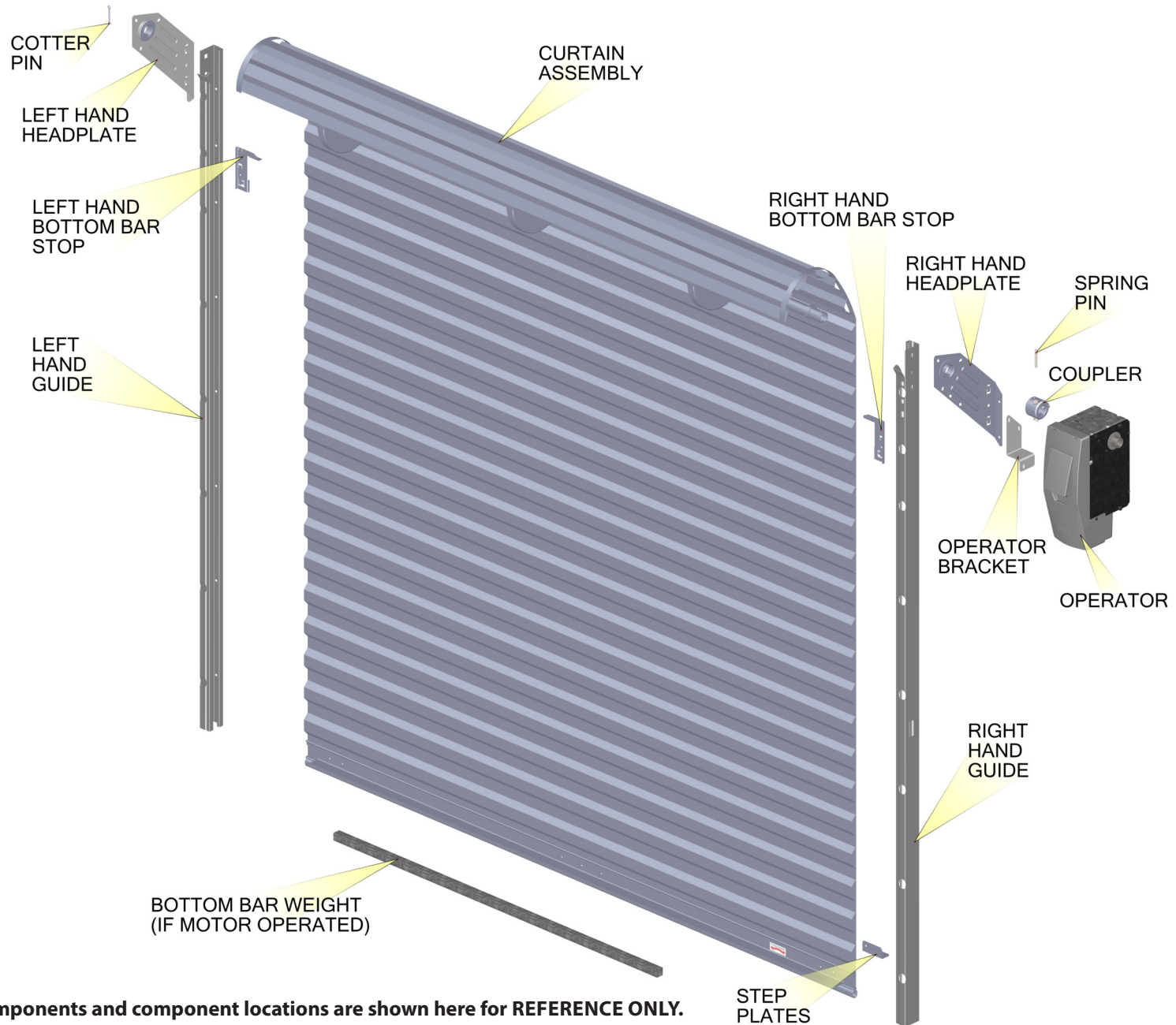
In this section and those that follow, the words "**DANGER**", "**WARNING**", and "**CAUTION**" are used to stress important safety information. The word:

- ⚠ **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- ⚠ **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ⚠ **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in injury or property damage.

The word **NOTE** is used to indicate important steps to be followed or important considerations.

Potential Hazard	Effect	Prevention
 <p>MOVING DOOR</p>	<p>⚠ WARNING Could result in Death or Serious Injury</p>	<p>Keep people clear of opening while Door is moving.</p> <p>Do NOT allow children to play with the Door Operator.</p> <p>Do NOT operate a Door that jams or one that has a broken spring.</p>
 <p>ELECTRICAL SHOCK</p>	<p>⚠ WARNING Could result in Death or Serious Injury</p>	<p>Turn OFF electrical power before wiring switch and motor to supply.</p>
 <p>HIGH SPRING TENSION</p>	<p>⚠ WARNING Could result in Death or Serious Injury</p>	<p>Do NOT try to remove, install, repair or adjust springs or anything to which door spring parts are fastened, such as, wood blocks, steel brackets, cables or other like items.</p> <p>Installations, repairs and adjustments must be done by a trained door system technician using proper tools and instructions.</p>

SECTION 2 - KEY DRAWING



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

SECTION 3 - 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. See FIG 2.

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.

Jobless Installer Report

SO#	SO Line#:	SO Line Item:
Org Code:	Qty:	Desc:
Cust. PO:	Customer:	Customer Job:
Job Name:		
Schl'd Ship Dt:		
Product Desc:		

**CURTAIN:
OPERATION:
BOTTOM BAR:
GUIDE:**

HOOD/CRATE:

*****	DOOR	INSTALLATION	DATA#	*****	*****	*****	*****
MODEL:				S-REFERENCE:			
OPENING WIDTH:		OPENING HEIGHT:		HAND OF OPERATION:		GUIDE TYPE:	
INITIAL TURNS:		RELEASE TURN:		OPERATION TYPE:		CURTAIN/BOTTO MBAR WT:	
TOTAL TURNS:		OPER MODEL: VOLTAGE:		DRIVE NO:		PIPE ASSEMBLY WT:	
GUIDE GAP:		OPER TYPE:		GUIDE FINISH:		BRACKET FINISH:	
***** WORK ORDER MESSAGES *****							
**							
**							
**							

FIG 2

SECTION 4 - PRE-INSTALLATION CHECK LIST

Verify that the door installation can be accomplished before proceeding:

- Locate the work order "DOOR INSTALLATION DATA" sheet, see FIG 2, inside the door hardware box.
- Does the wall opening shown in FIG 3 match the Opening Width and Height shown on the "Door Installation Data" sheet?
- Are the guides you received suitable for the jambs? Compare the guides type shown on the "Door Installation Data" sheet with FIG 4.
- 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.
- Consult the factory if the actual opening width is greater than shown on the packing slip more than 1-1/2 inches.
- Bracing may be required to prevent light weight building jambs from twisting.
- Bottom bar and weatherseal will remain exposed in opening (approx 4") below header when door is fully raised.

HEADROOM (A)			SIDE ROOM (B)
770-SS	780-CD	790-CW	770-SS / 780-CD / 790-CW
OPENING HEIGHT + 13"			OPENING WIDTH + 3-1/2"
REQUIRED CLEARANCES - MINIMUM INDICATED			

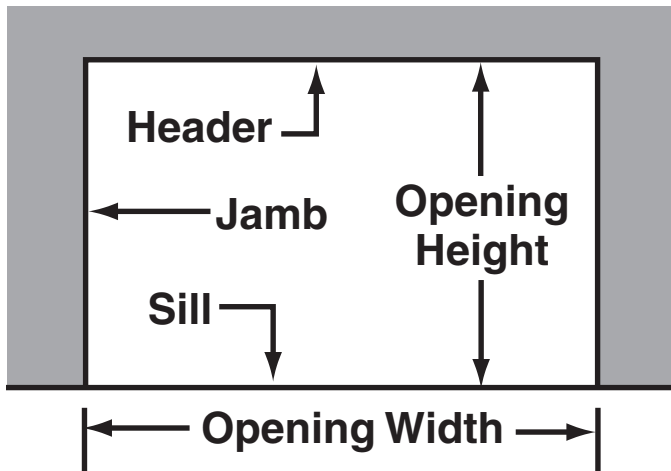


FIG 3



FIG 4

SECTION 4 - PRE-INSTALLATION CHECK LIST

Read the installation instructions thoroughly to become familiar with the names of the various components and their relation to each other. It is necessary for the installer to determine the following:

- Type of jamb material (wood, masonry, or steel) on which the door guides will be mounted.
- The dimensions for the opening width, opening height, headroom, and side room.

TOOLS

Commonly used tools for proper installation are:

- Electric drill with 3/8" or 1/2" chuck with nut driver and drill bits.
- Masonry drill or impact hammer and bits.
- Ladders and/or scaffolding.
- Hammer and pliers.
- Large Pipe Wrench.
- Center punch and Screwdrivers.
- Wrenches, vise grips, and C-clamps.
- Tape measure and a water level.

UNPACKING DOORS

Before removing the door from any packaging, inspect the packaging for visible signs of damage. If damage is noted, file a freight claim with the freight company immediately. Remove the door from the packaging.

WARNING

Do not cut tape that holds door in a roll until instructed to do so.

NOTE: Right and Left Hand is determined by facing the door opening, on the coil side.

FASTENER TABLE			
Jamb Condition	Bracket Fasteners	Drill Size	Jamb Fastener Specifications
Steel	1/4" Self-Drilling Screw	N/A	
Concrete	1/4" Masonry Screw Anchor	*3/16" Dia.	Use ANSI 1395.12 carbide tipped drill bit. Drill hole two 1/4" deep.
Filled Block			
Wood	1/4" Lag Screw	1/8" Dia.	Drill Hole 3" Deep.
Masonry	1/4" Thru Bolt	5/16" Dia.	Install 3" O.D. Steel Washer on Opposite Side of Wall.
*Drill size for supplied fasteners. For others, refer to manufacturer's specified installation method.			

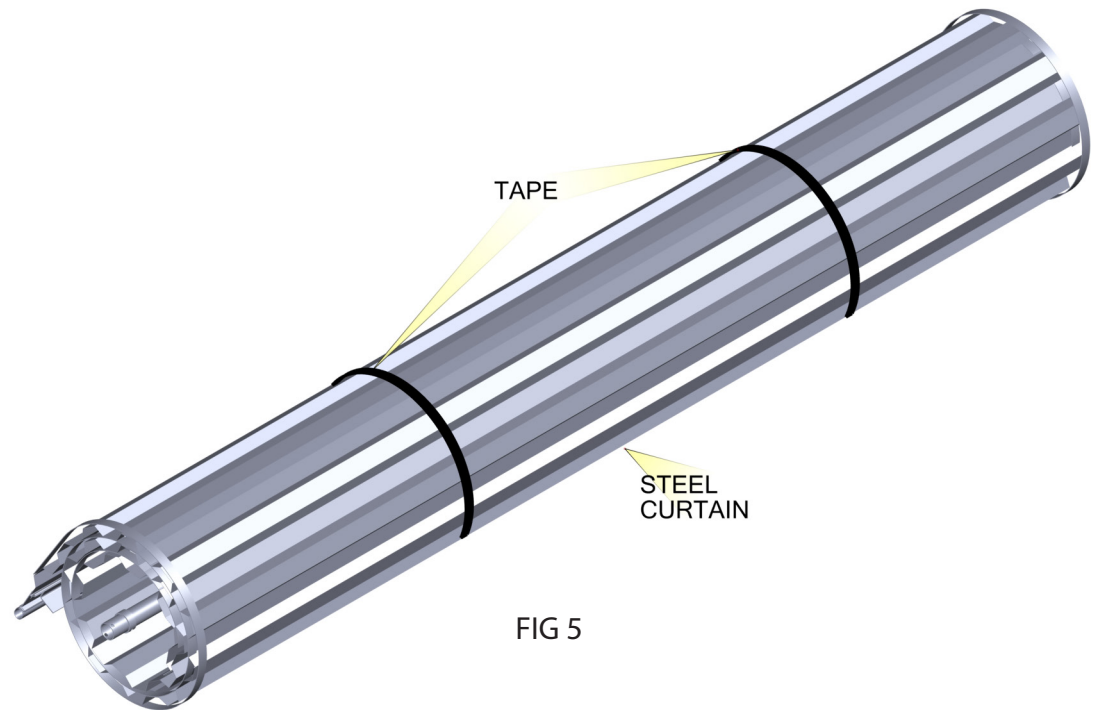
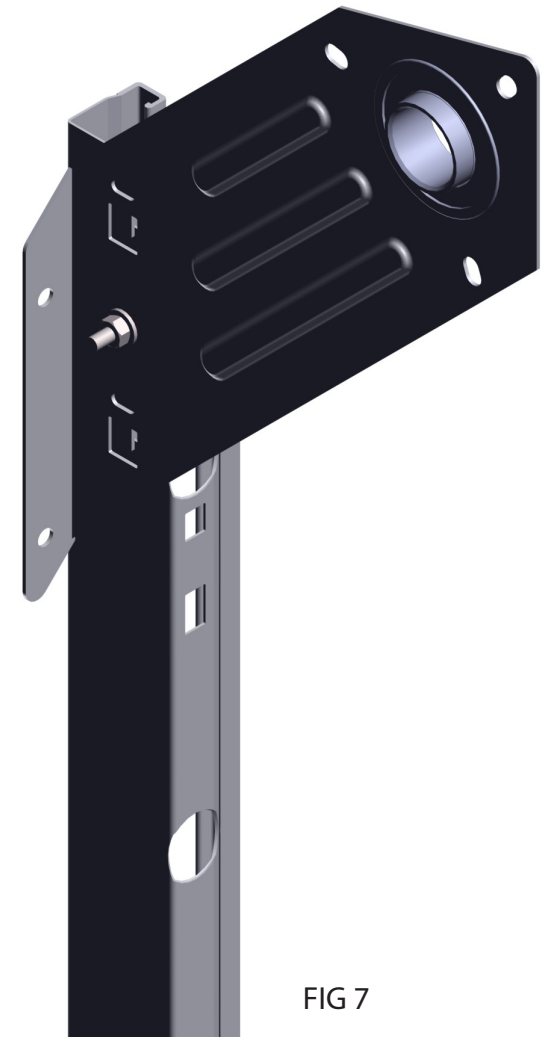
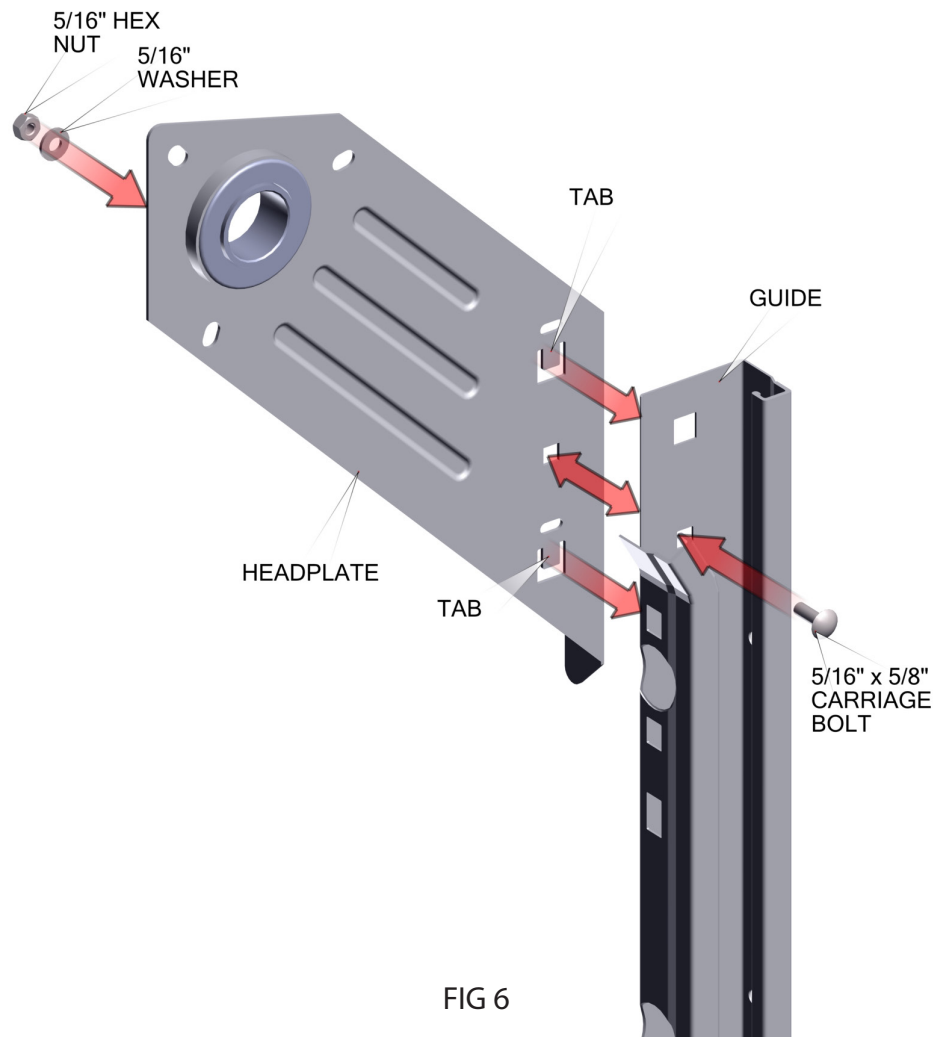


FIG 5

SECTION 5 - DOOR INSTALLATION

STEP 1 GUIDE AND HEADPLATE ASSEMBLY

- Starting on the left hand side, insert the tabs in the headplate into corresponding holes in the guides. See Figure 6.
- Lightly seat the tabs with a hammer into the guides.
- Secure the headplate to the guide with one 5/16" - 18 x 5/8" carriage bolt, 5/16" washer and one 5/16" - 18 hex nut. See Figure 6 and Figure 7.
- Repeat same process for the right hand side.



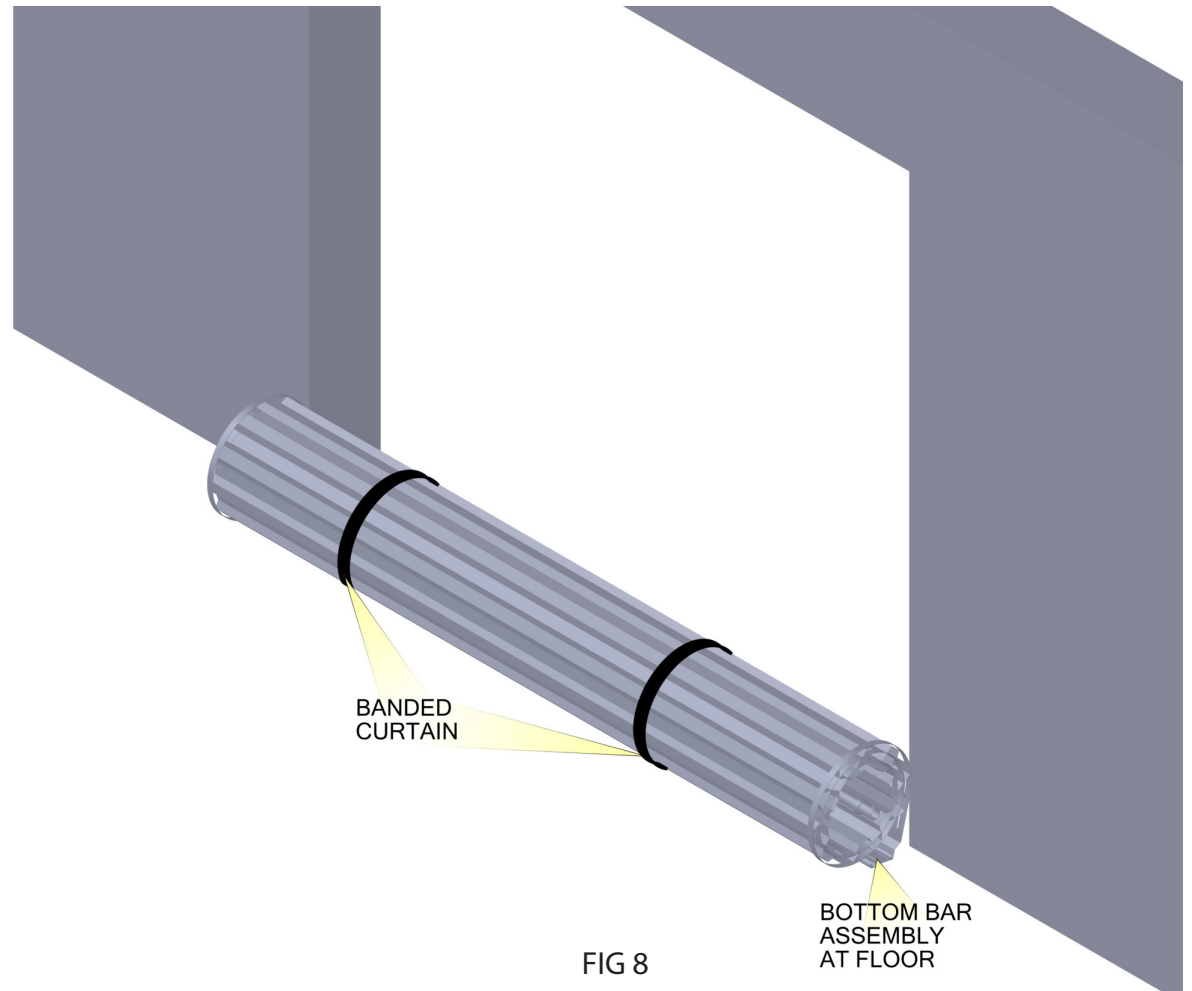
SECTION 5 - DOOR INSTALLATION

STEP 2 GUIDE AND CURTAIN ASSEMBLY

- Clean the floor at inside of opening and lay the coiled curtain in position, as shown. See Figure 8.

WARNING

Follow instructions and use proper lifting equipment and correct lifting procedure to avoid serious injury or death.



SECTION 5 - DOOR INSTALLATION

STEP 2 GUIDE AND CURTAIN ASSEMBLY CONTINUED...

- Position the guide assemblies at each end of the banded curtain with the headplate near the opening. See Figure 9.
- Slip the guide and headplate assemblies onto each end of the shaft and secure with cotter pin. See Figure 9.

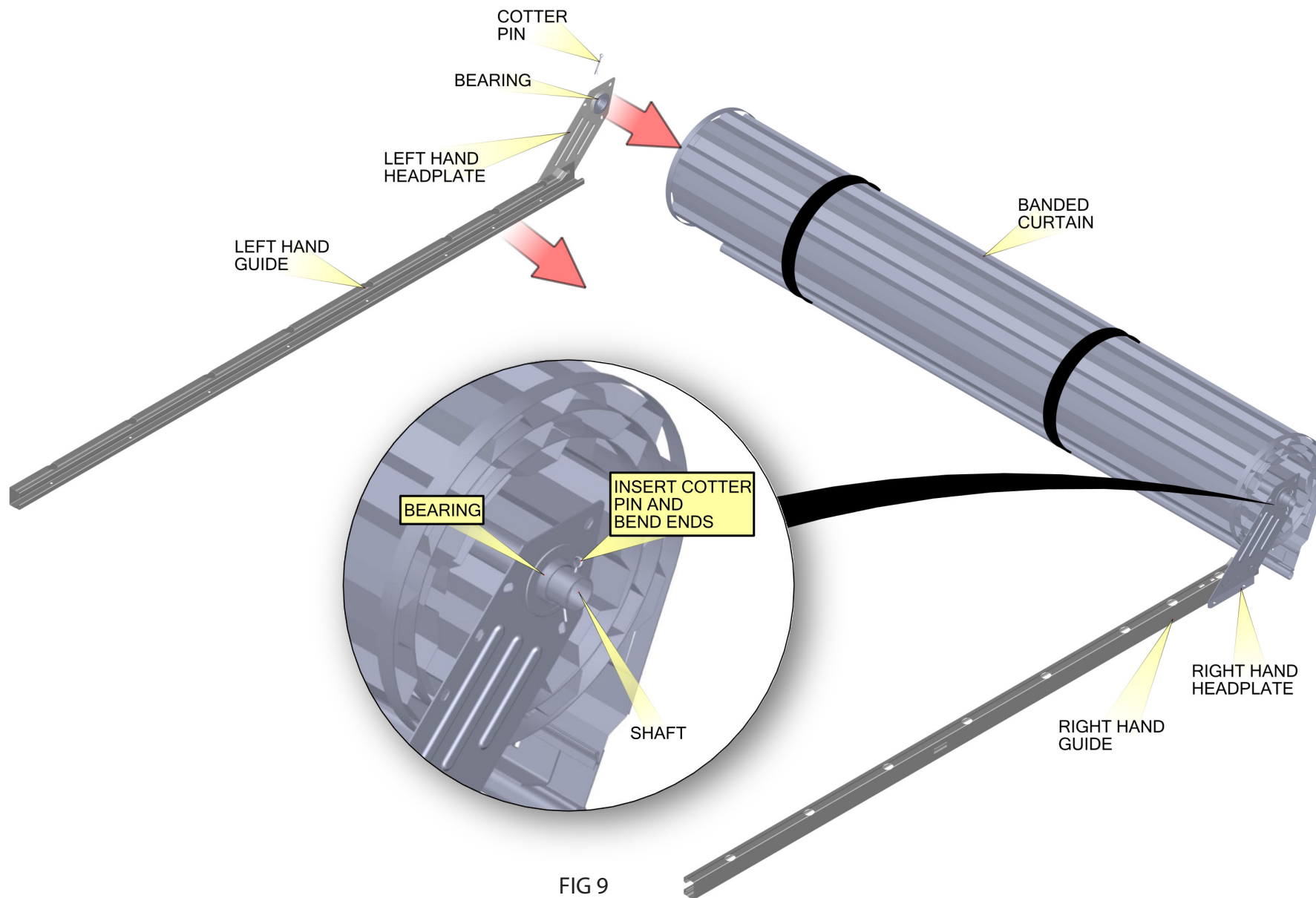


FIG 9

SECTION 5 - DOOR INSTALLATION

STEP 2 GUIDE AND CURTAIN ASSEMBLY CONTINUED...

- Ensure that the spring bolt ears are aligned with each other to assure spring is in neutral position. See Figure 10.
- Rotate the curtain so that the bottom bar is located above the guide entry line. See Figure 11.

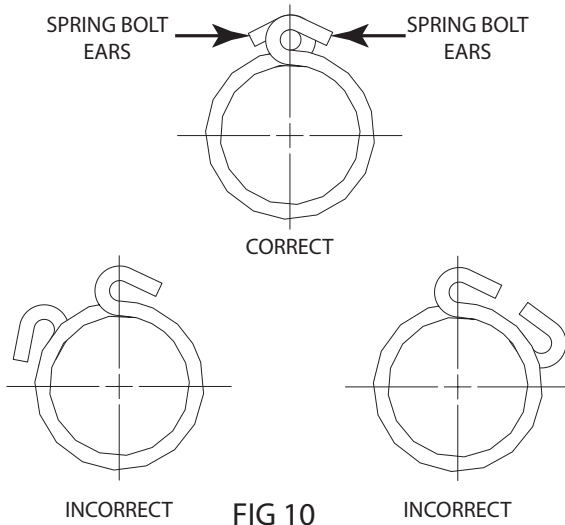


FIG 10

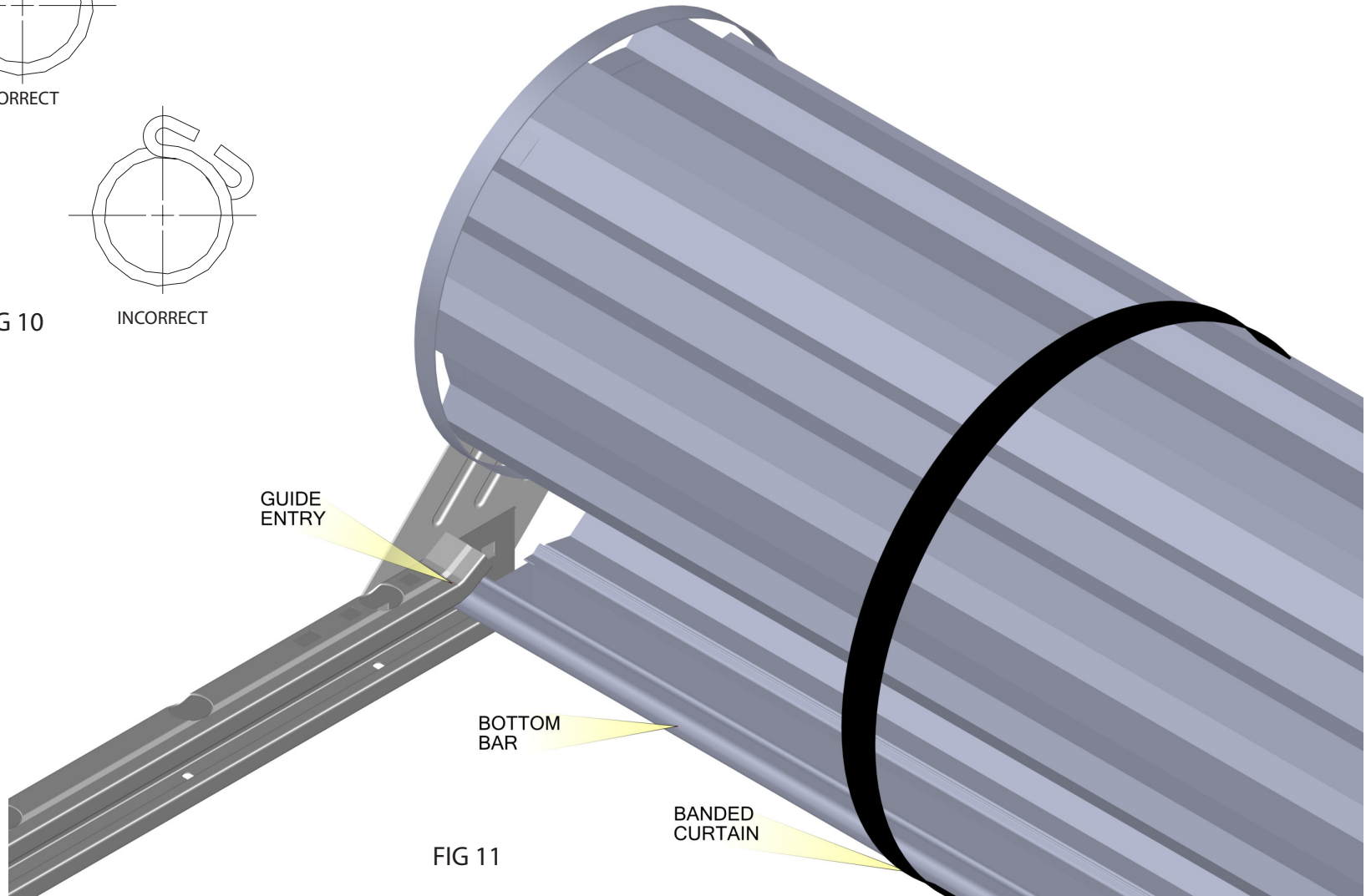


FIG 11

SECTION 5 - DOOR INSTALLATION

STEP 2 GUIDE AND CURTAIN ASSEMBLY CONTINUED...

- Rotate the curtain slightly as needed to line up the spring bolt ear with the nearest spring bolt hole in the headplate.

NOTE: Counterclockwise for a right hand spring and clockwise for a left hand spring when looking from the spring end.

- Rotate the curtain 1/3 of a turn clockwise to line up the spring bolt ear with the next available spring bolt hole in the headplate.

- Bolt the spring to the headplate. See Figure 12.

- **IF THE DOOR HAS DOUBLE SPRINGS:** Bolt the springs to the headplate. See Figure 12.

NOTE: Bolt both springs to same headplate location.

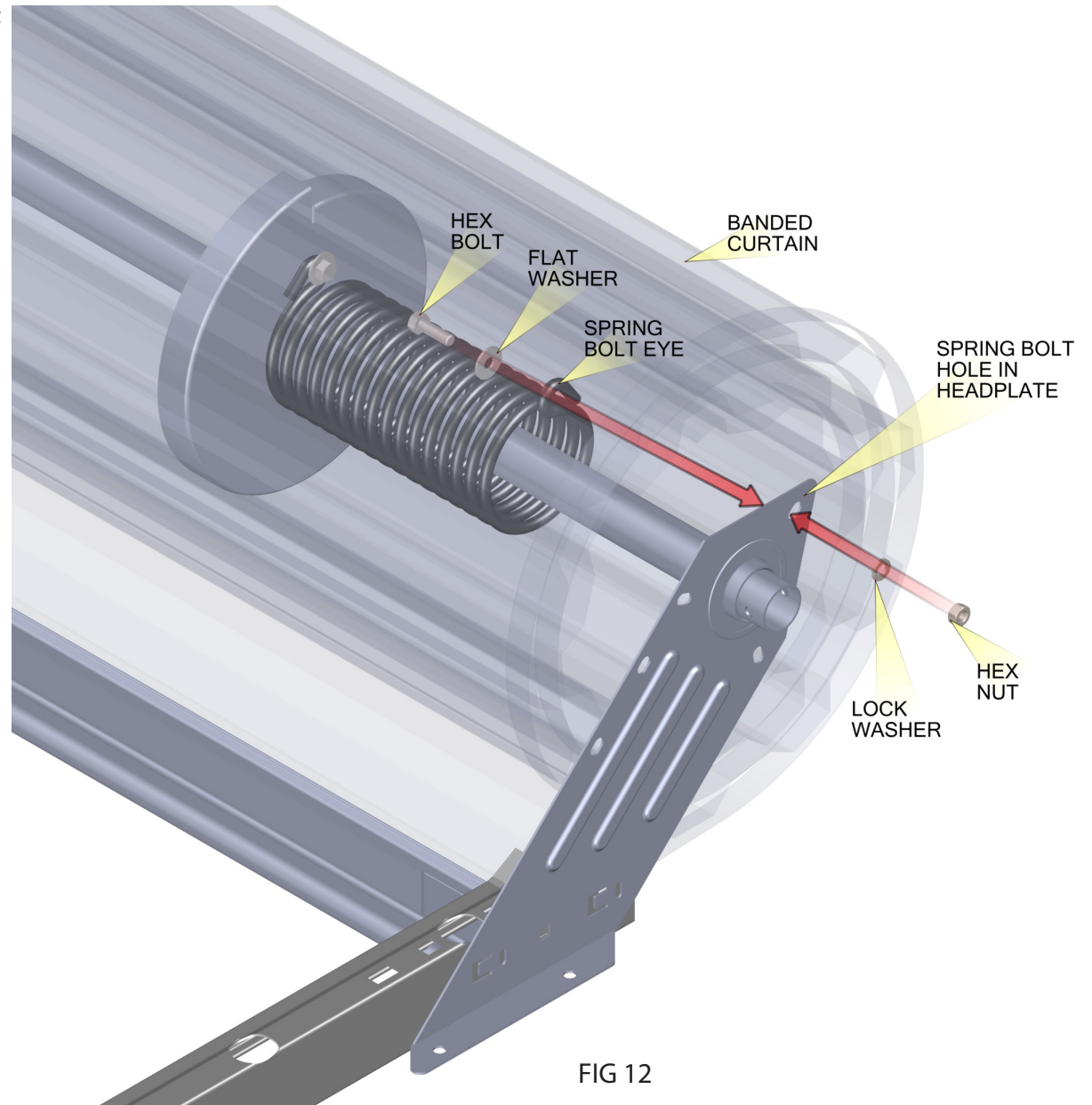


FIG 12

SECTION 5 - DOOR INSTALLATION

STEP 3 GUIDE INSTALLATION

⚠ WARNING

Curtain assembly is heavy. Allowing curtain assembly to fall while lifting, could result in severe or fatal injury.

⚠ WARNING

To avoid severe or fatal injury, never walk, stand, or work below curtain assembly before it is secured.

⚠ WARNING

Attempting a one-man installation can result in serious bodily injury and/or damage to door. See Figure 13 for recommended method.

- Lift the banded curtain and guides up with a lift, hoist, or two people and place the guide assemblies against the jambs while supporting the curtain weight. See Figure 13.
- Check to see that the headplates are level and that the door is centered in the opening. Install one fastener (See FASTENER TABLE on page 13 for proper fastener) in the top hole of each guide.
- Plumb guide assembly on one side and fasten guide to jamb. See Figure 1.
- Plumb remaining guide assembly and fasten guide to jamb. Reference distance between jamb and properly installed guides. See Figure 1.
- **OPTIONAL:** Fasten headplate to jamb if desired.

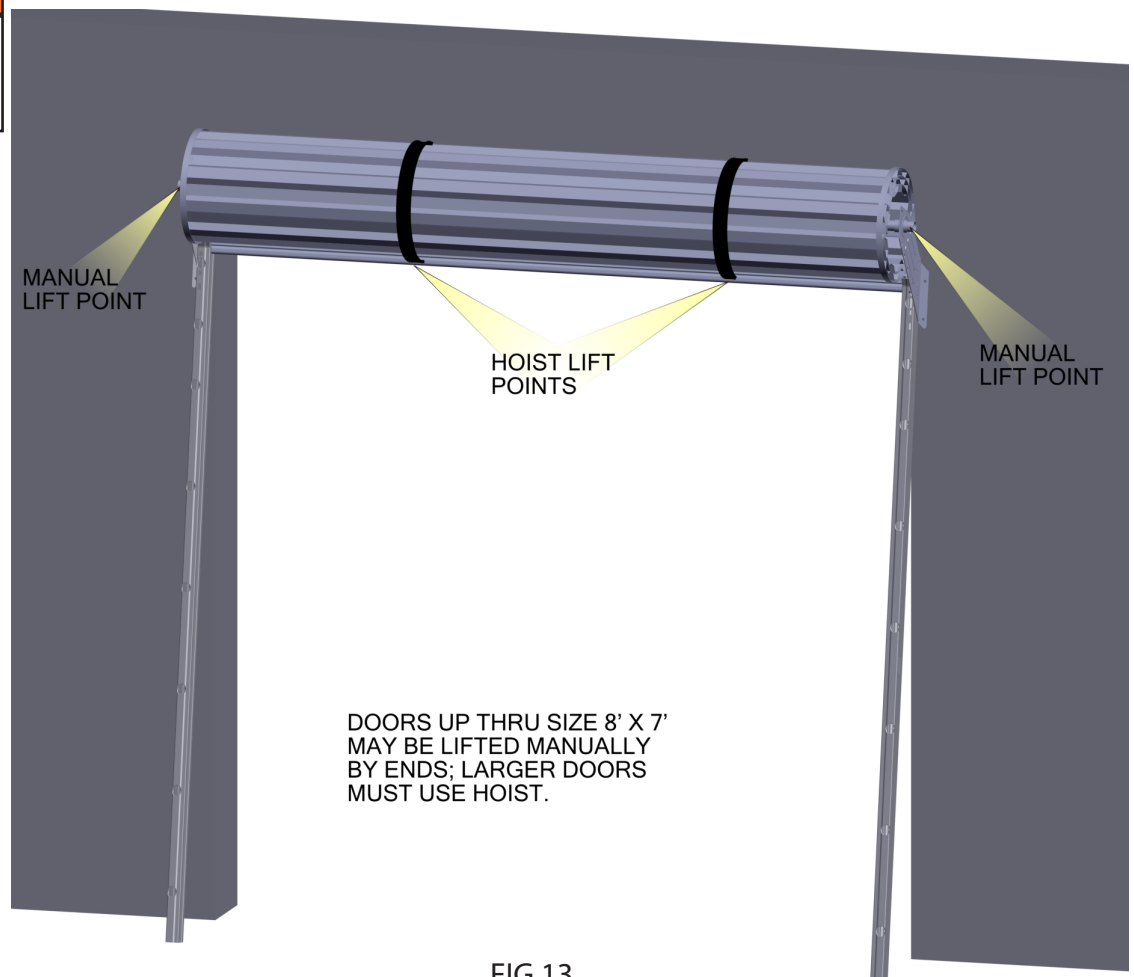


FIG 13

SECTION 5 - DOOR INSTALLATION

STEP 4 TENSION ADJUSTMENT (FOR SPRING TENSION MECHANISM, SEE PAGE 6??)

- Rotate banded curtain, as shown in Figure 14 and wind four initial turns. Use the bottom bar as the reference point in measuring the initial turns.
- Hold the curtain securely and cut the retaining bands. Then feed the bottom bar and curtain into the guides, pulling curtain down to floor.

NOTE: DO NOT lubricate the guides.

⚠ WARNING

Excessive Spring Tension can result in damage to the bottom bar and door stop and if used while in such a damaged state can cause serious injury.

- Raise and lower the door to test the spring balance, being careful not to let the bottom bar out of the guides. If the door will not stay closed or will not stay open the spring balance needs to be adjusted.

• TO ADJUST SPRING BALANCE, FOLLOW STEPS BELOW:

- A. Roll curtain up until curtain and bottom bar are out of the guides.
- B. Tie a rope tightly around the curtain.
- C. Rotate curtain to remove the initial turns put on. Rotate curtain opposite to Figure 14.
- D. Carefully unbolt spring from the headplate. Rotate curtain in order to line spring hook up with next available hole in headplate. See Figure 15 to determine direction of rotation.
- E. Attach spring to headplate. Tighten nut securely.
- F. Rotate curtain and feed bottom bar into guides. See Figure 14. Repeat steps as necessary.

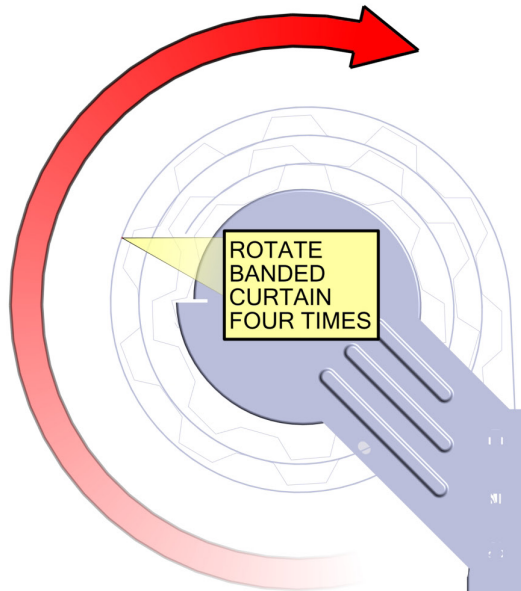


FIG 14

TO INCREASE TENSION

BANDED CURTAIN

TO DECREASE TENSION

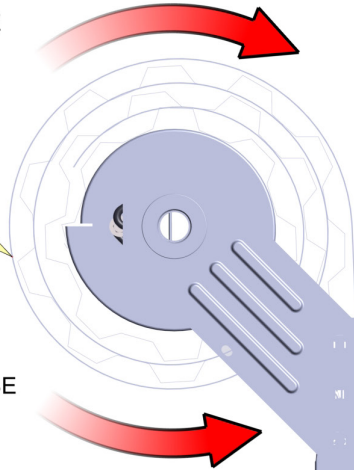
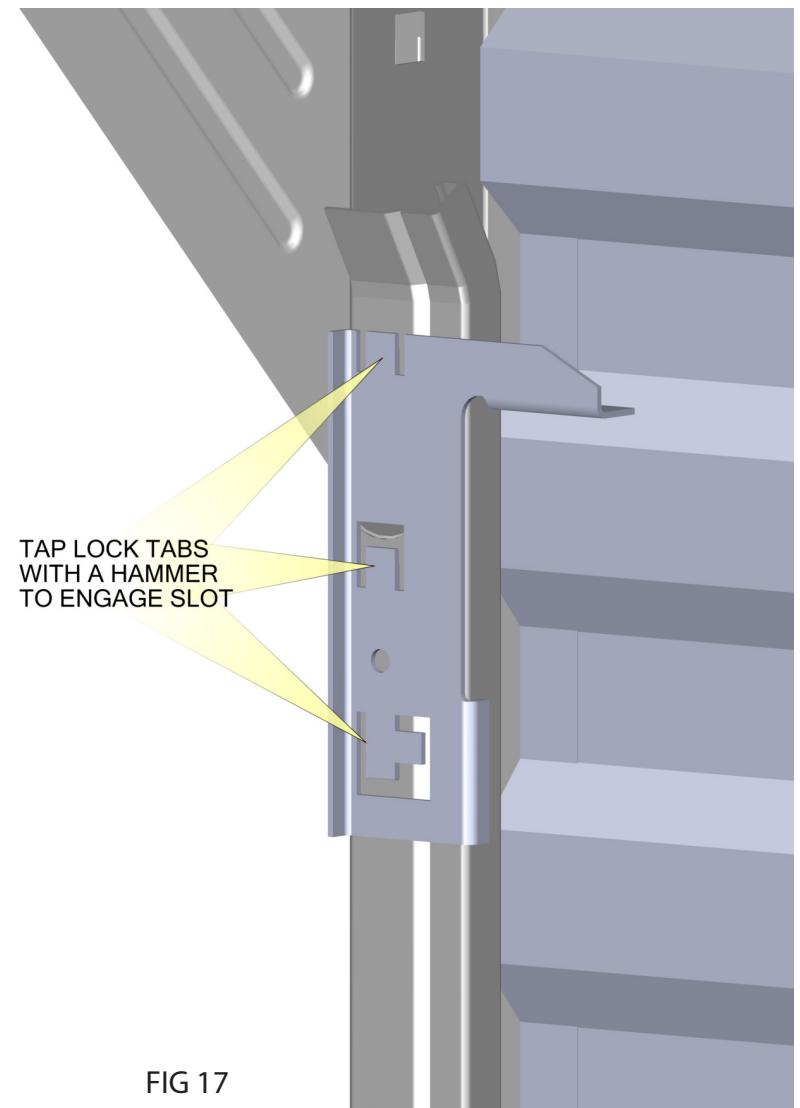
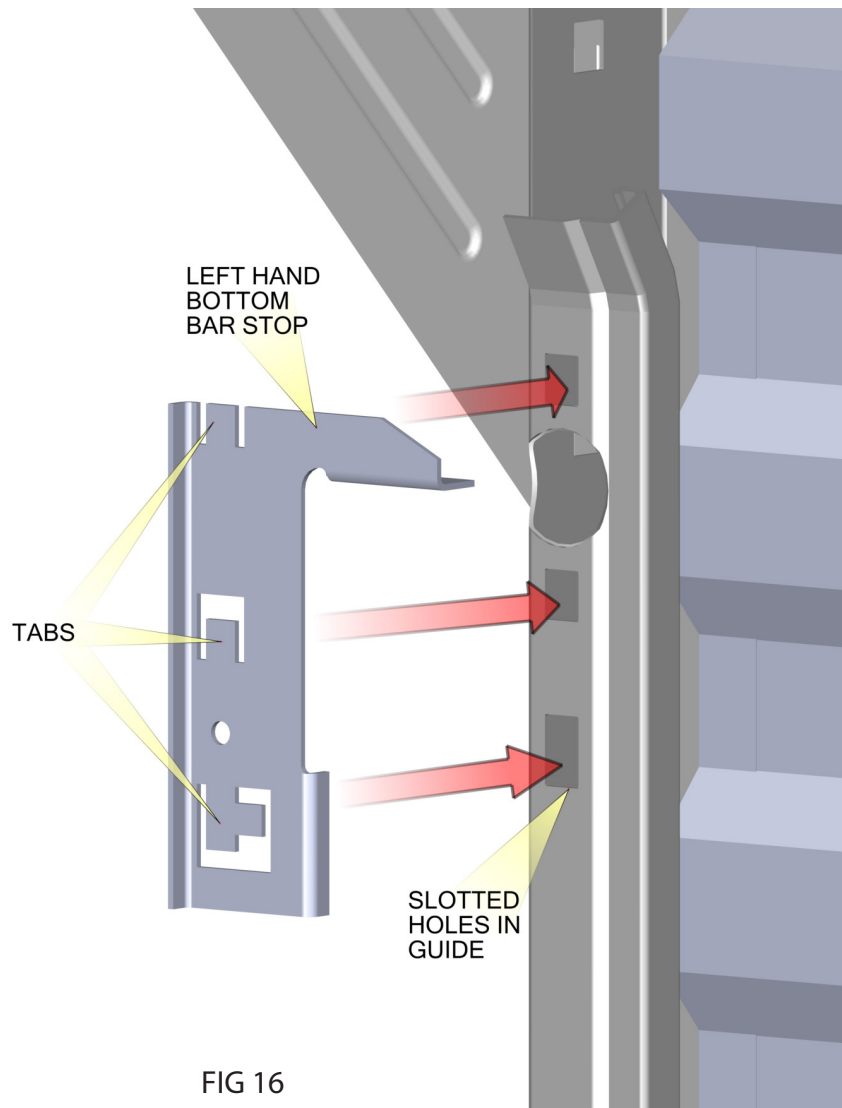


FIG 15

SECTION 5 - DOOR INSTALLATION

STEP 5 BOTTOM BAR STOPS

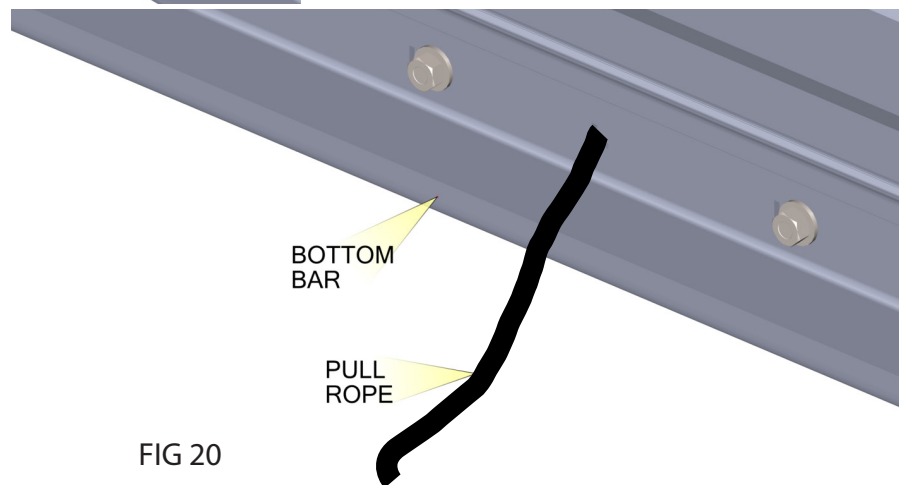
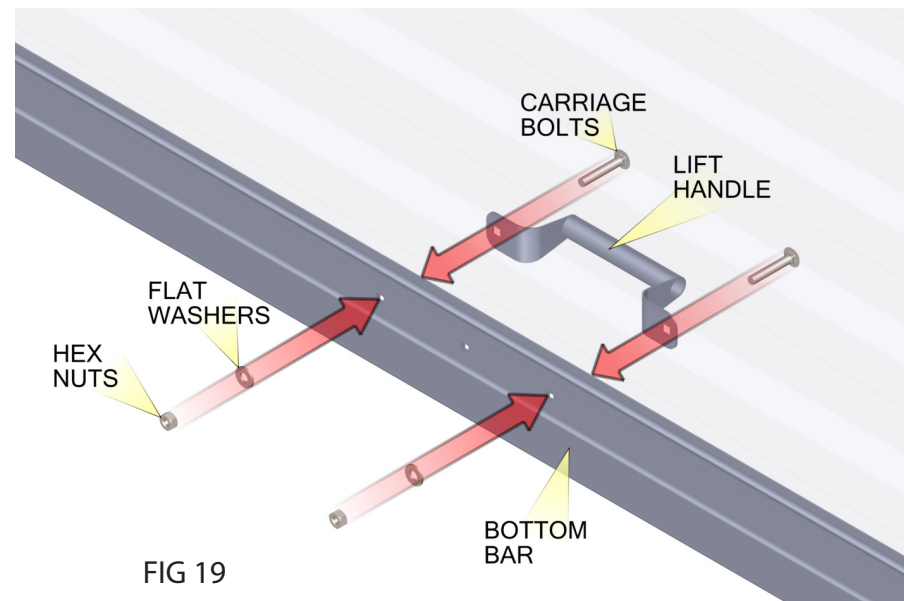
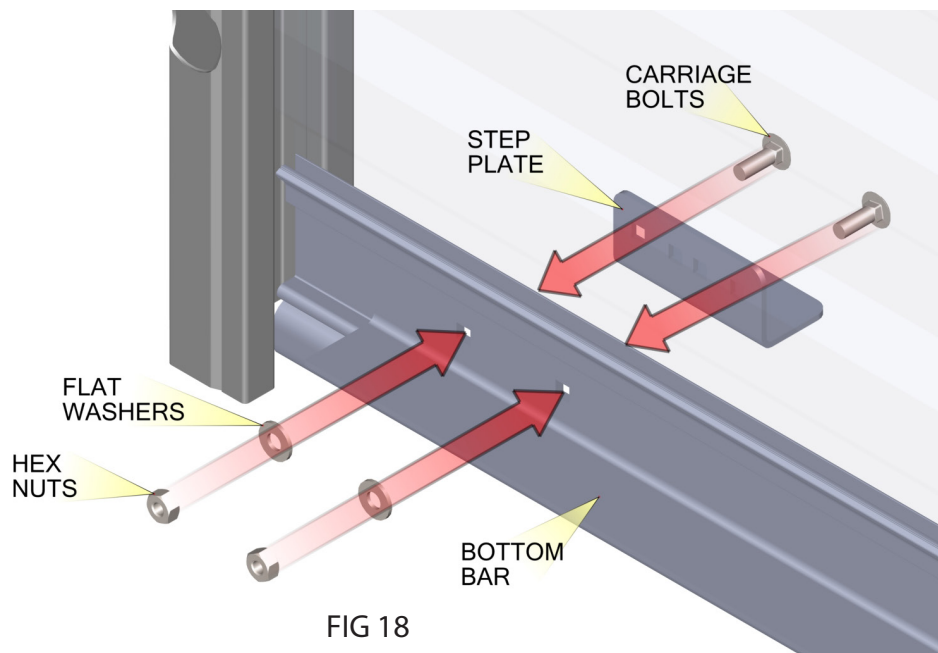
- Insert tabs on bottom bar stops into corresponding holes on the guides. See Figure 16.
- Seat the tabs with a hammer and secure bottom bar stops by tapping the lock tabs into place with a hammer. Lock tabs should be in full contact with the guides to ensure proper operation. See Figure 17.



SECTION 5 - DOOR INSTALLATION

STEP 6 LIFT HANDLE, STEP PLATE AND PULL ROPE

- Install lift handle to the outside center of bottom bar using 1/4" carriage bolts already installed in the bottom bar and in the hardware box. See Figure 18.
- Install step plate to the outside of bottom bar on the side curtain (lock is installed), using 1/4" carriage bolts already installed in the bottom bar and in the hardware box. See Figure 19.
- Attach pull rope to inside of bottom bar. See Figure 20.



SECTION 5 - DOOR INSTALLATION

STEP 7 DECALS AND CURTAIN LOCK

DECALS

• Install Warning label and “Do Not Lubricate” labels on guides. Install at eye level. See Figure 21.

CURTAIN LOCK

• Install curtain lock in pre-punched holes using hardware provided. See Figure 22. Apply felt strips over nuts on back side of curtain.

IMPORTANT: FAILURE TO APPLY FELT CAN CAUSE DAMAGE TO CURTAIN.

⚠ WARNING

Do not install a curtain lock on doors with a operator. The door and or operator may be damaged if the operator is used while the door is locked.

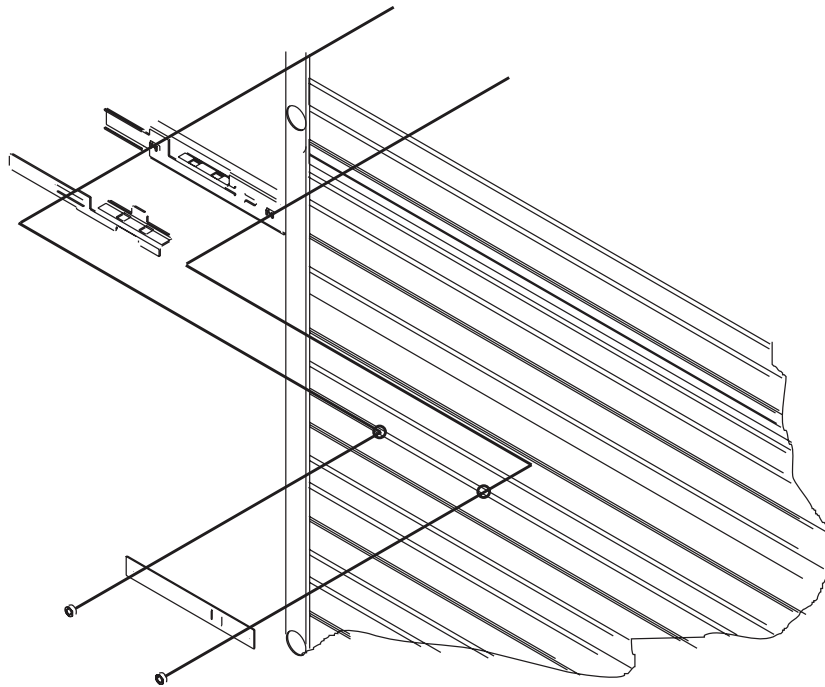


FIG 22

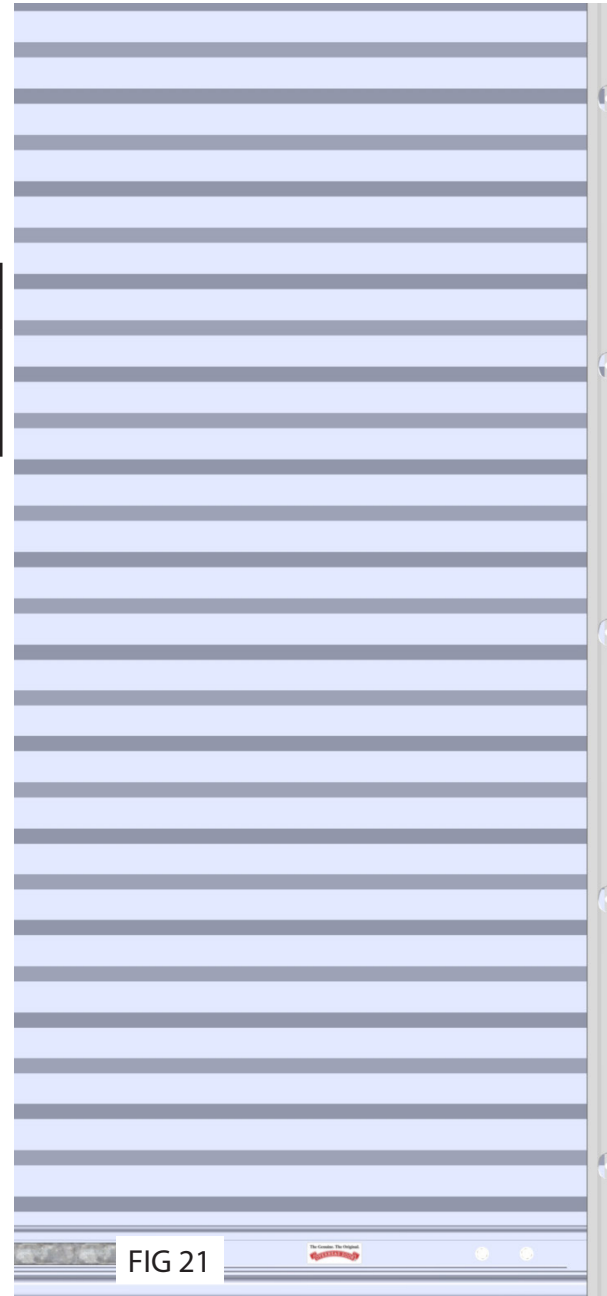


FIG 21

⚠ WARNING

MOVING door could result in death or serious injury.
Do NOT close door until doorway is clear.

SAFETY INSTRUCTIONS

1. Control the speed of the door during manual operation.
2. Do not stand or walk under moving door.
3. Keep doorway clear and in full view while operating door.
4. Do NOT permit children to play on, near, or with door or to operate controls.
5. Unlock door before opening door.
6. Sensing devices on motor operated doors should be tested frequently.
7. Adjustments or repairs must be made by a trained door systems technician using proper tools and instructions.
8. Visually inspect door and hardware monthly for worn and/or broken parts and check to see if door operates freely. DO NOT operate a door with a broken spring.

Place label at a readable height on door drive side guide or jamb.
Do NOT remove, cover, or paint over label.
This label should be inspected periodically for legibility, and a replacement label should be ordered from the door manufacturer as needed.

05/11/2022 308579-0002

WARNING LABEL

**DO NOT
LUBRICATE
GUIDES**

604729-0001 10/22/92

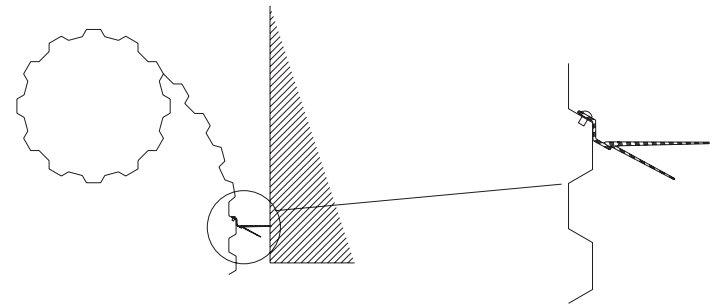
DO NOT LUBRICATE LABEL

SECTION 5 - DOOR INSTALLATION

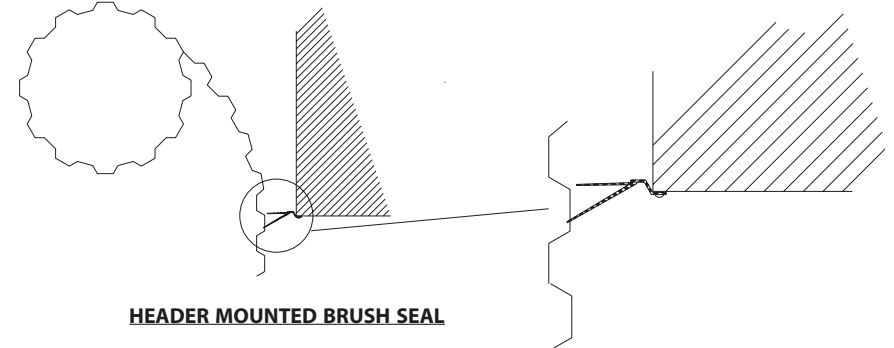
STEP 8 OPTIONAL HEADER SEAL

- With door closed, mark attachment point for header seal on curtain (Figure 23).
- Raise curtain until attachment point is accessible.
- Hold header seal along attachment point and drill holes for rivets on 12" centers using a number 29 drill.
- Secure header seal to curtain using 1/8" diameter, large flange rivets.

DOOR MOUNTED RUBBER SEAL



HEADER MOUNTED RUBBER SEAL



HEADER MOUNTED BRUSH SEAL

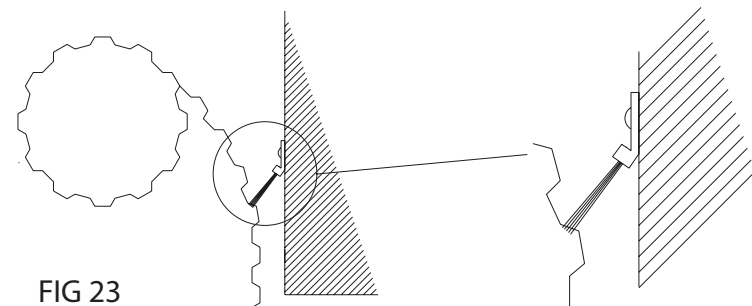


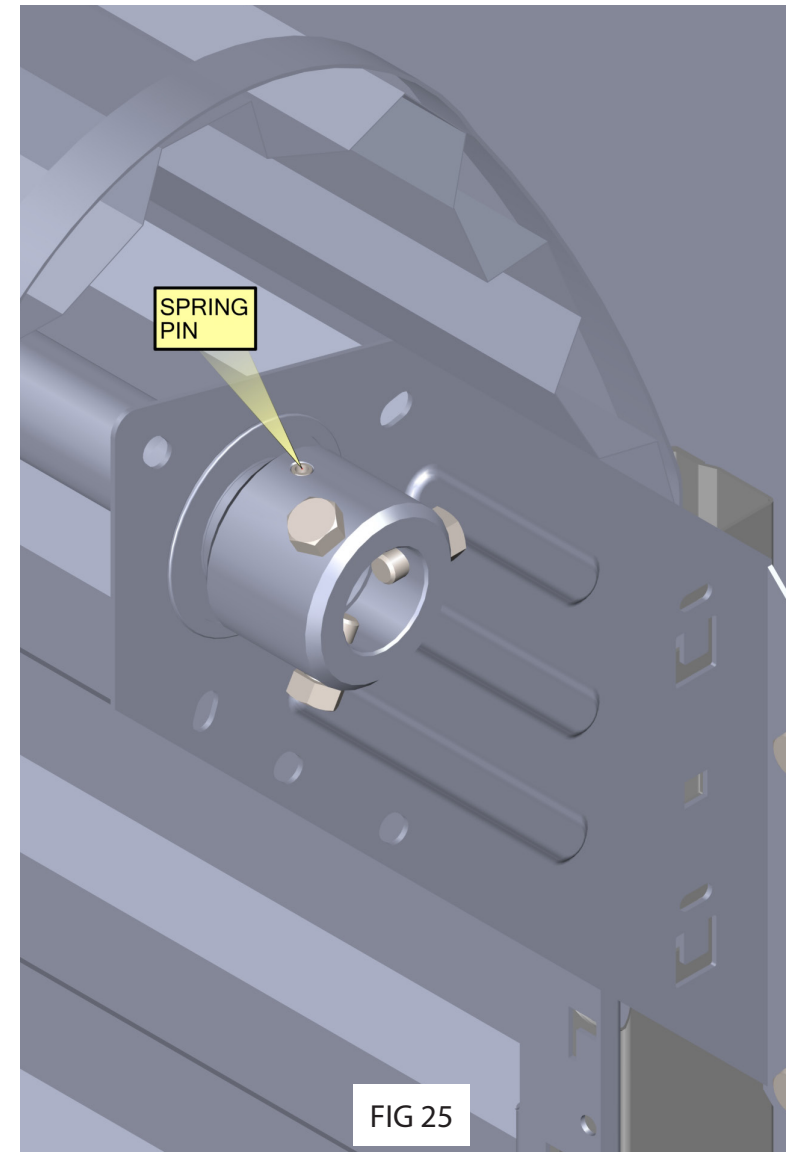
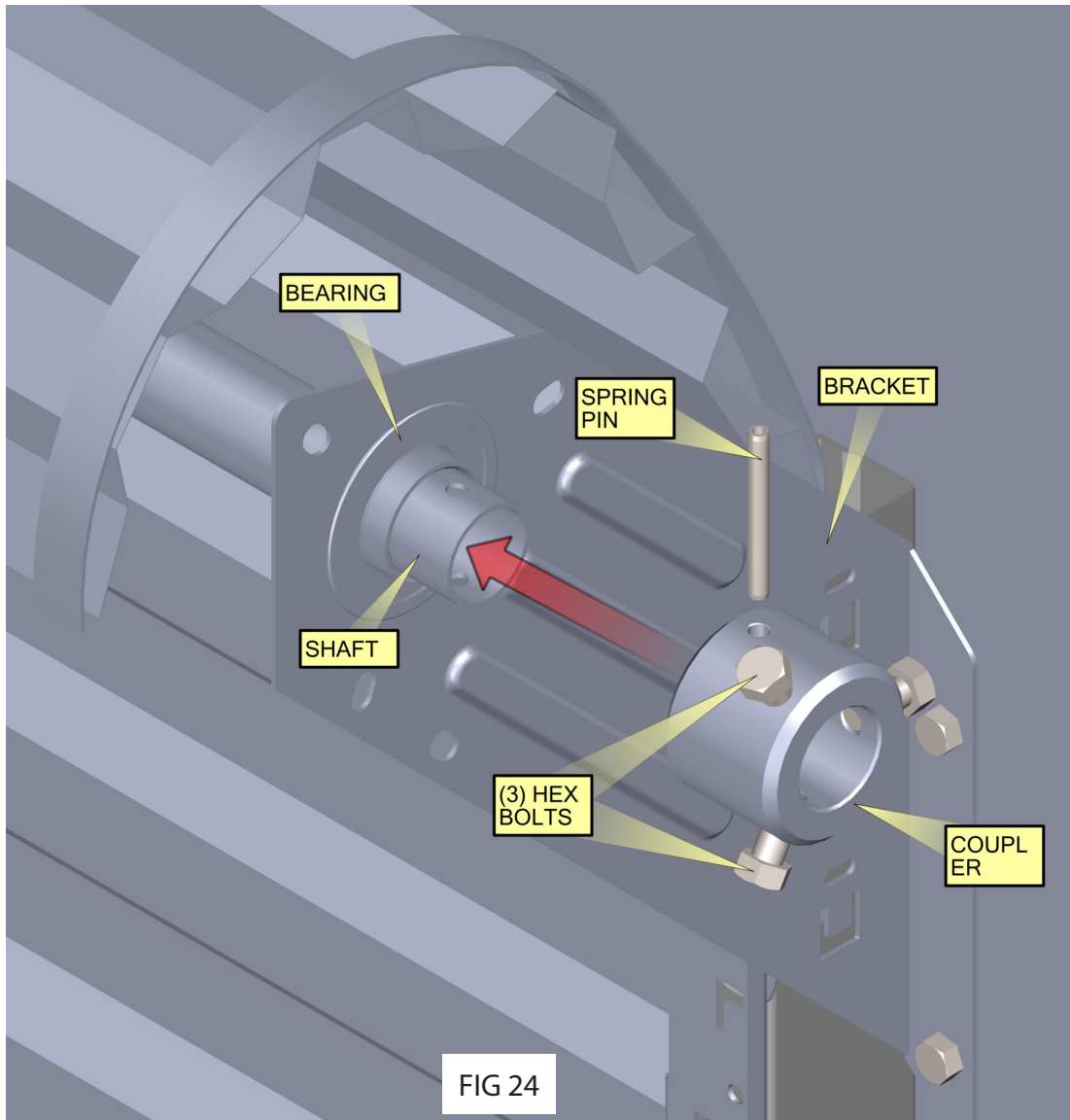
FIG 23

SECTION 6 - OPERATOR INSTALLATION

STEP 9 INSTALL COUPLER

• On the right hand side of the door, insert the coupler onto the shaft. Slide the coupler all the way up against the bracket. Secure the coupler to the shaft by inserting the spring pin all the way through the coupler. See FIG 24 and FIG 25.

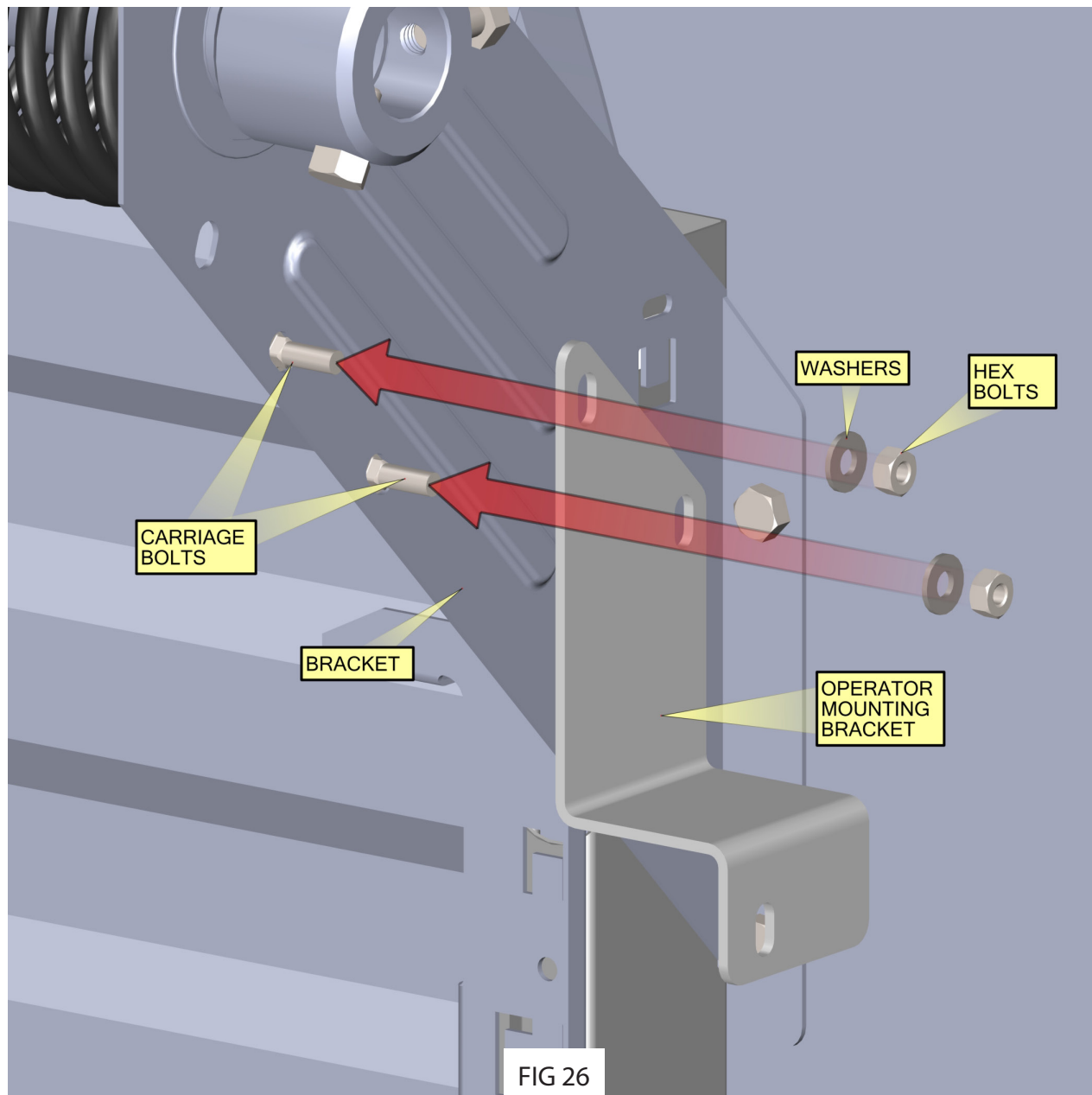
NOTE: To help keep the spring pin and coupler holes aligned, hold a 5.5mm allen wrench through the coupler and shaft pin holes on one side while lightly hammering the spring pin through the opposite side of the coupler till the spring pin reaches through all the way through the coupler.



SECTION 6 - OPERATOR INSTALLATION

STEP 10 INSTALL OPERATOR BRACKET

- Install operator bracket to the bracket using 1/4"-20 x 5/8" carriage bolts and 1/4"-20 flange hex nuts. See FIG 26.



SECTION 6 - OPERATOR INSTALLATION

STEP 11 INSTALL OPERATOR

- Remove mounting bolts from operator and set aside.
- Lift the Operator using appropriate lifting equipment and align the operator shaft with the coupler. Insert the operator shaft into the coupler ensuring that the operator side plate bearing race is flush up against the coupler. See FIG 27 and FIG 28.
- Once the Operator is in position and aligned, attach the operator to the bracket with the previously removed bolts. See FIG 27.
- Tighten all hex bolts in the coupler. Once the hex bolts make contact with the shaft, tighten an additional one full turn. See FIG 28.

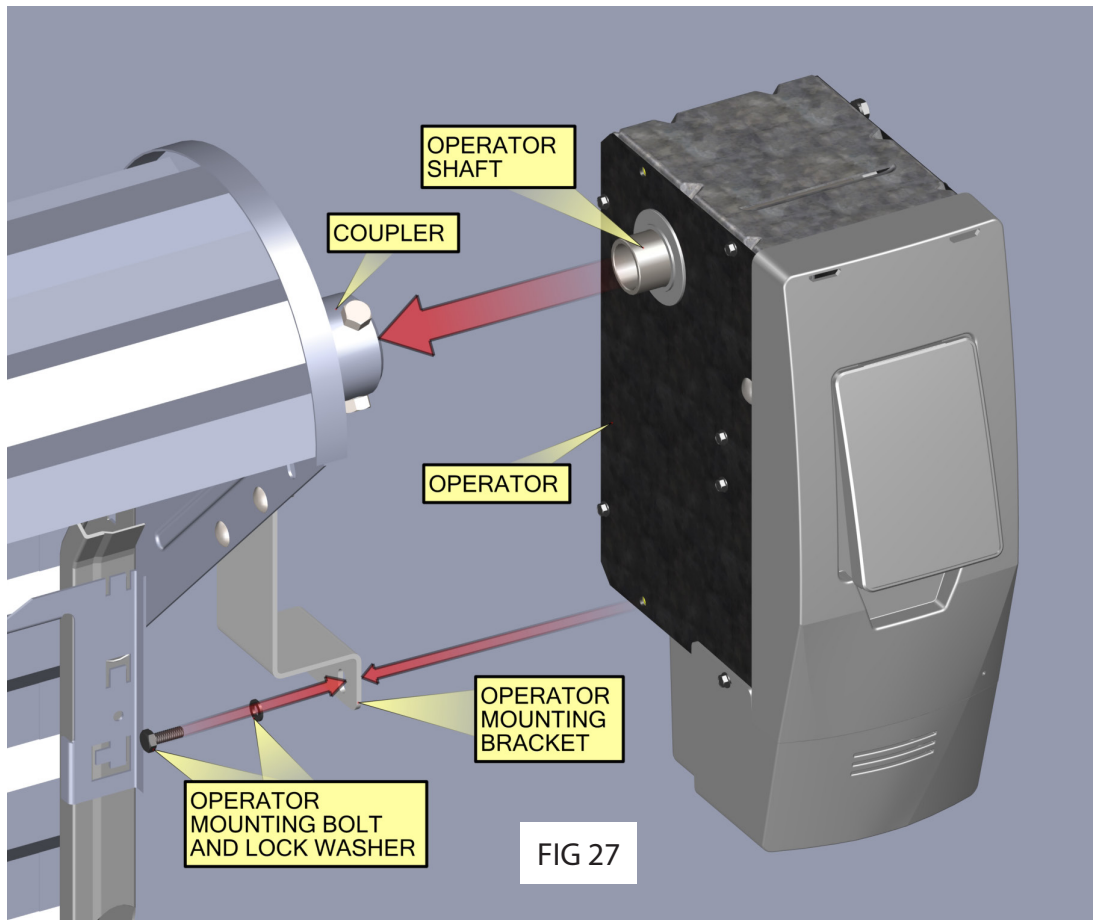


FIG 27

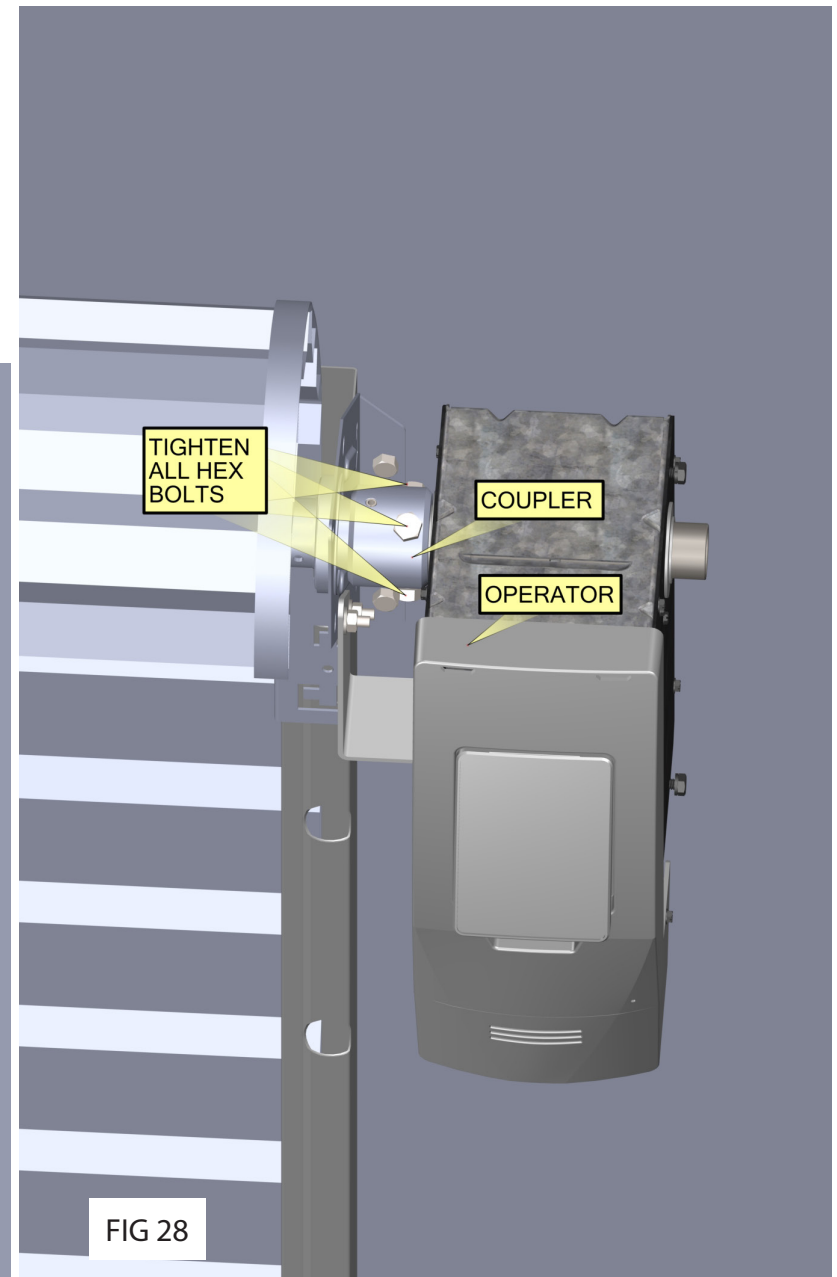


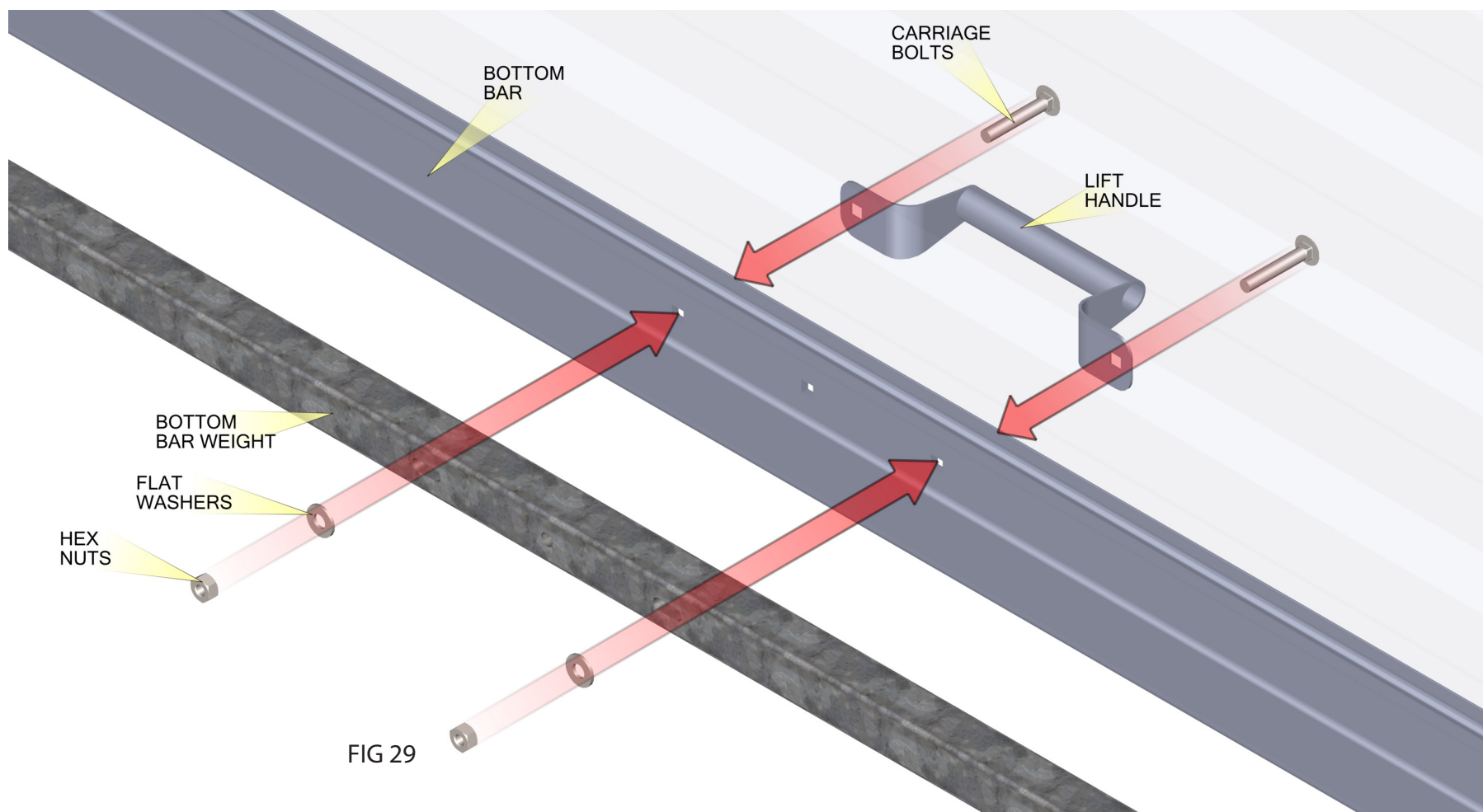
FIG 28

SECTION 6 - MOTOR INSTALLATION

STEP 12 INSTALL BOTTOM BAR WEIGHT

- Remove existing bolts for the center door handle.
- From inside the door, center the bottom bar onto the bottom angle. Secure the bottom bar weight and the door handle on the opposite side of the curtain using (2) 1/4" - 20 X 1-1/2" carriage bolts. See FIG 29.

IMPORTANT: REFER TO YOUR OPERATOR INSTALLATION INSTRUCTIONS FOR WIRING AND PROGRAMMING THE OPENER.



SECTION 7 - TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSE
1. Door is easy to close, but hard to open...	- Insufficient spring tension. See Figure 15, on Page 14.
2. Door is easy to open, but hard to close...	- Excessive spring tension. See Figure 15, on Page 14.
3. Door is hard to operate...	<ul style="list-style-type: none"> - Mounting brackets are not level. - Curtain assembly is not parallel to opening. - Guides are not plumb. - Guide leads are improperly adjusted. (Adjustment must be made with door fully closed). - Guides may be damaged. - Insufficient clearance between curtain and inside of guide. 1/4"-5/16" clearance on each side from inside of guides.
4. Bottom weatherseal does not contact floor evenly...	<ul style="list-style-type: none"> - Floor is not level. - Mounting brackets are not level. - Guides are not plumb.
5. Door telescopes or rolls up unevenly...	<ul style="list-style-type: none"> - Mounting brackets are not level. - Spring mounted to headplate in different locations.

MAINTENANCE INSTRUCTIONS

OWNER'S RECOMMENDED PREVENTATIVE MAINTENANCE

To keep shutter in good working condition, these are some things we recommend doing:

- Keep guides of shutter system free from any debris at all times.

Every month

- Wipe down the inside of shutter system guides with a damp towel to remove any dirt or debris.
- If you so choose, you can wash the security shutter curtain. Be sure to completely close the shutter and wipe down curtain with towel and a mild cleanser. Be sure to wipe off any cleanser with a clean towel.

Every six months

The above frequency of maintenance is for normal low cycle operation. Frequency of operation or unusual operating conditions may require modification of the times between maintenance.

- The guides should be lubricated with a paste wax or silicone spray.
- The bearing with a grease fitting, located on bracket attaching motor to shaft should be lubricated.

BENEFITS OF PROFESSIONAL PREVENTATIVE MAINTENANCE PROGRAM

There are many benefits to opting into a Professional Preventative Maintenance Program, where the local dealer's technician services your shutter system on a scheduled basis. Contact your local Wayne Dalton dealer for more details on their program offering.

- Increase operational efficiency, safety and reliability
- Extend useful life of your equipment
- Reduce probability of equipment malfunctioning
- Decrease costly downtime
- Priority scheduling for service
- Establish relationship with experienced, service-oriented professionals

RECOMMENDED SCOPE OF WORK FOR PROFESSIONAL SECURITY SHUTTER PREVENTIVE MAINTENANCE PROGRAM

It is recommended that you arrange for a Wayne Dalton dealer's professional installer/technician to perform the following as precautionary measures to keep your shutter system running smoothly and to maximize the life of the product.

SECURITY SHUTTER:

⚠ WARNING

Never remove, adjust, or loosen the bolts, screws and/or lag screws on the spring system of the door. These components are connected to the spring(s) and are under extreme tension. To avoid possible severe or fatal injury, have any such work performed by a trained door systems technician using proper tools and instructions.

- 1) Inspect shutter alignment and level.
- 2) Inspect slats and endlocks for damage.
- 3) Inspect all guides, bottom bar and hood for damage.
- 4) Inspect all bottom astragal for wear or damage.
- 5) Inspect and lubricate bearings.
- 6) Inspect fasteners.
- 7) Inspect locks for proper operation.
- 8) Inspect safety labels, placement and condition.

MOTOR OPERATORS:

- 1) Inspect and adjust limit switches.
- 2) Inspect operator mounting.
- 3) Inspect and test disconnect for manual override.

770-SS, 780-CD 790-CW Roll-Up Sheet Door Limited Warranty

Overhead Door Corporation ("Seller") warrants to the original purchaser of the Series 790-CW, 780-CD or 770-SS Rolling Sheet door identified below (the "Product"), subject to all of the terms and conditions hereof, that the Product and all components thereof will be free from defects in materials and workmanship under normal use for the following period(s), measured from the date of installation:

- **ONE (1) YEAR ON ALL PARTS AND COMPONENTS**

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 part or component is included for a period of one (1) year from the date of installation. After that, any labor charges are 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, 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 apply to any damage or deterioration 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 specifically excludes any damage resulting from scratching, abrasion or impact by any hard object, and any fading or color change which may not be uniform due to unequal exposure of the curtains to sunlight or other elements. Wearing away of the painted surfaces of the Product is a common occurrence resulting from the curtain repeatedly coiling upon itself and uncoiling during normal usage (See DASMA #274), and is specifically excluded from this warranty.

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.

ORIGINAL PURCHASER: _____

INSTALLATION ADDRESS: _____

SELLER: _____

SELLER'S ADDRESS: _____

FACTORY ORDER #: _____

DATE OF INSTALLATION: _____

SIGNATURE OF SELLER: _____