



## INSTALLATION INSTRUCTIONS

Bunker 9000M

105-1830 (183" Wide) & 105-2880 (288" Wide)

Related Instructions,  
How-To Videos & More



[PDF: Electric Drive Conversion Kit](#)



[PDF: Bolt-On Mounting System](#)



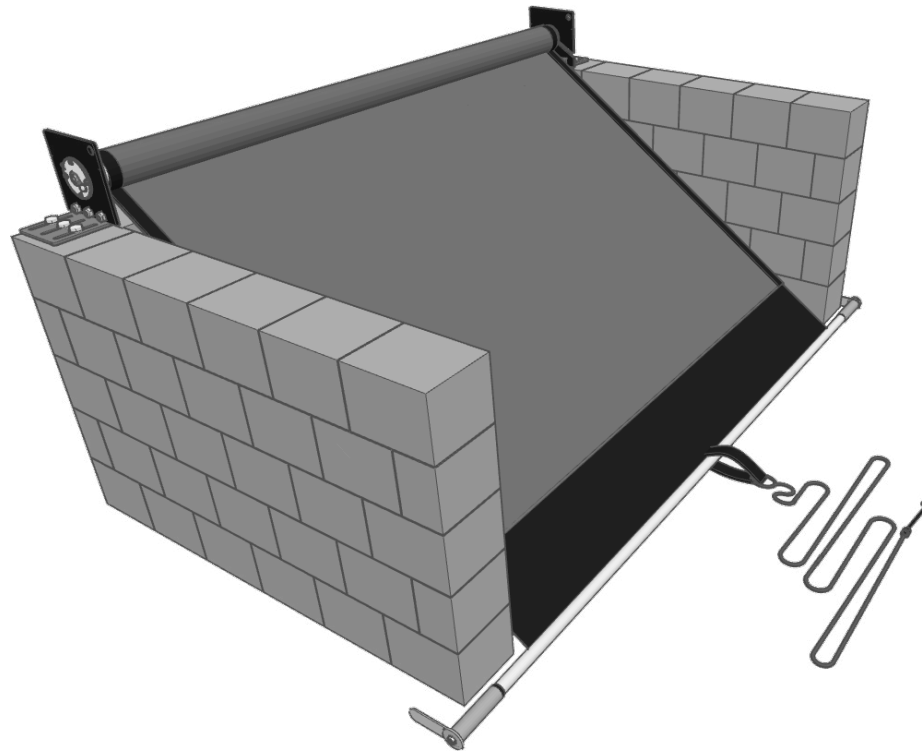
[PDF: Smart Switch Basic Kit](#)



[PDF: High Amp Switch Kit](#)



[Video: Electric Drive Unit Operation](#)



Installation steps may vary, depending on location requirements and where the system is installed!

DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.



A Safe Fleet Brand



INSTALLATION INSTRUCTIONS

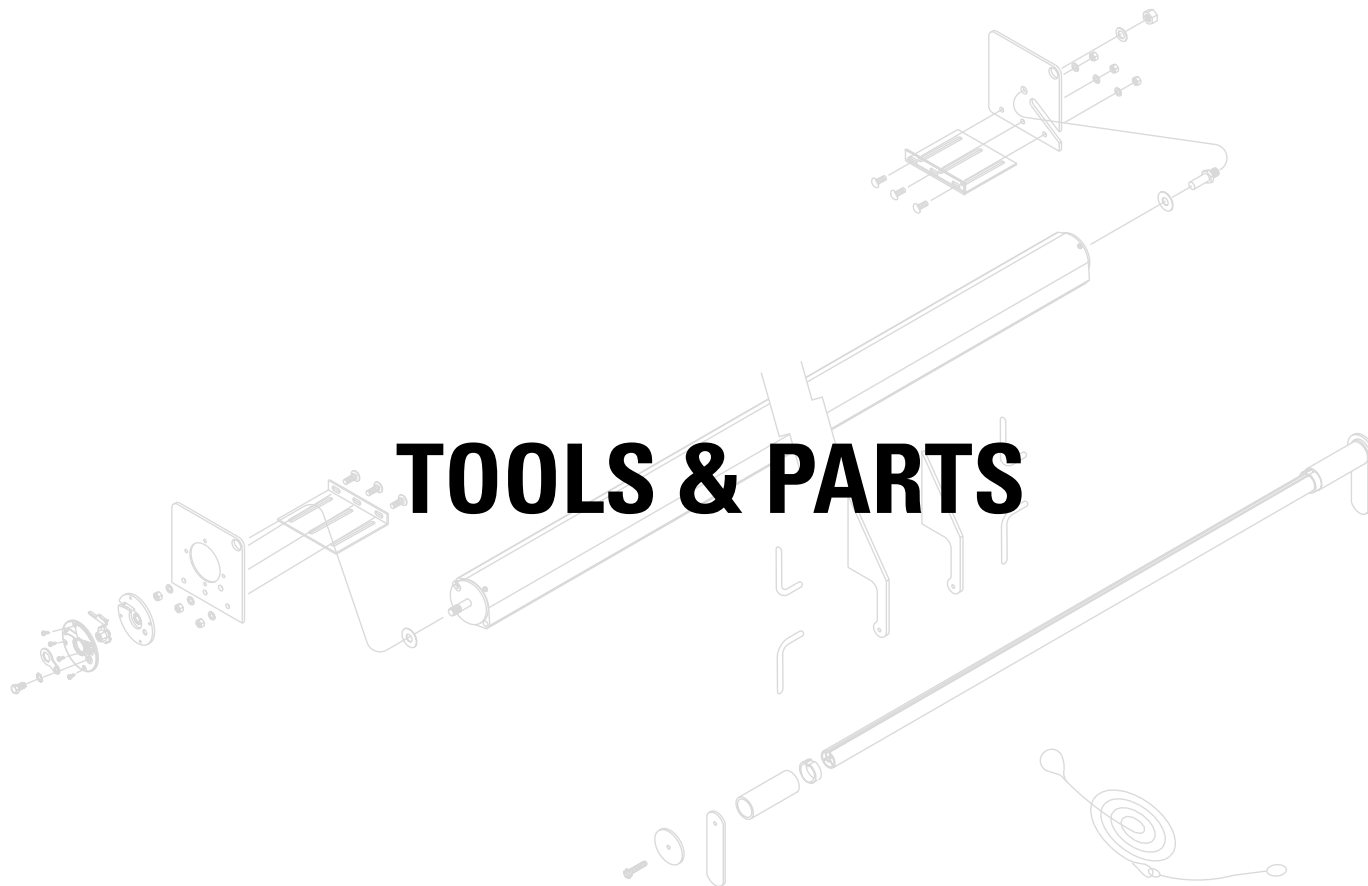
Bunker 9000M

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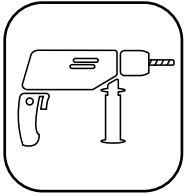


## **TOOLS & PARTS**

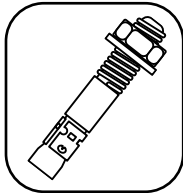




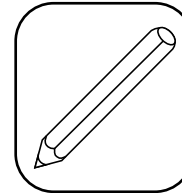
### Recommended Tools



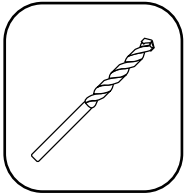
Hammer Drill



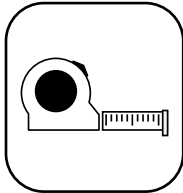
Wedge Bolts



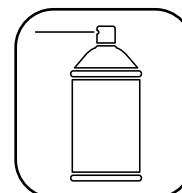
Pencil or Marker



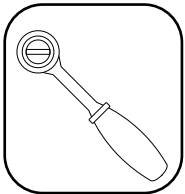
Masonry Drill Bit



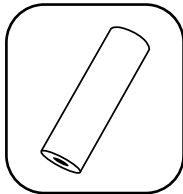
Tape Measure



Lubricant



Large Socket Wrench



Socket



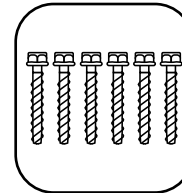
Adjustable Wrench (Optional)



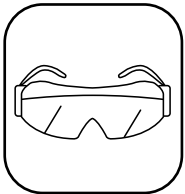
Standard Hammer



Air Compressor



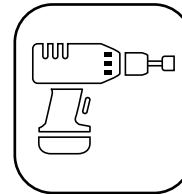
Masonry Bolts (Optional)



Safety Glasses



Ear Protection



Impact Drill (Optional)



## INSTALLATION INSTRUCTIONS

## Bunker 9000M

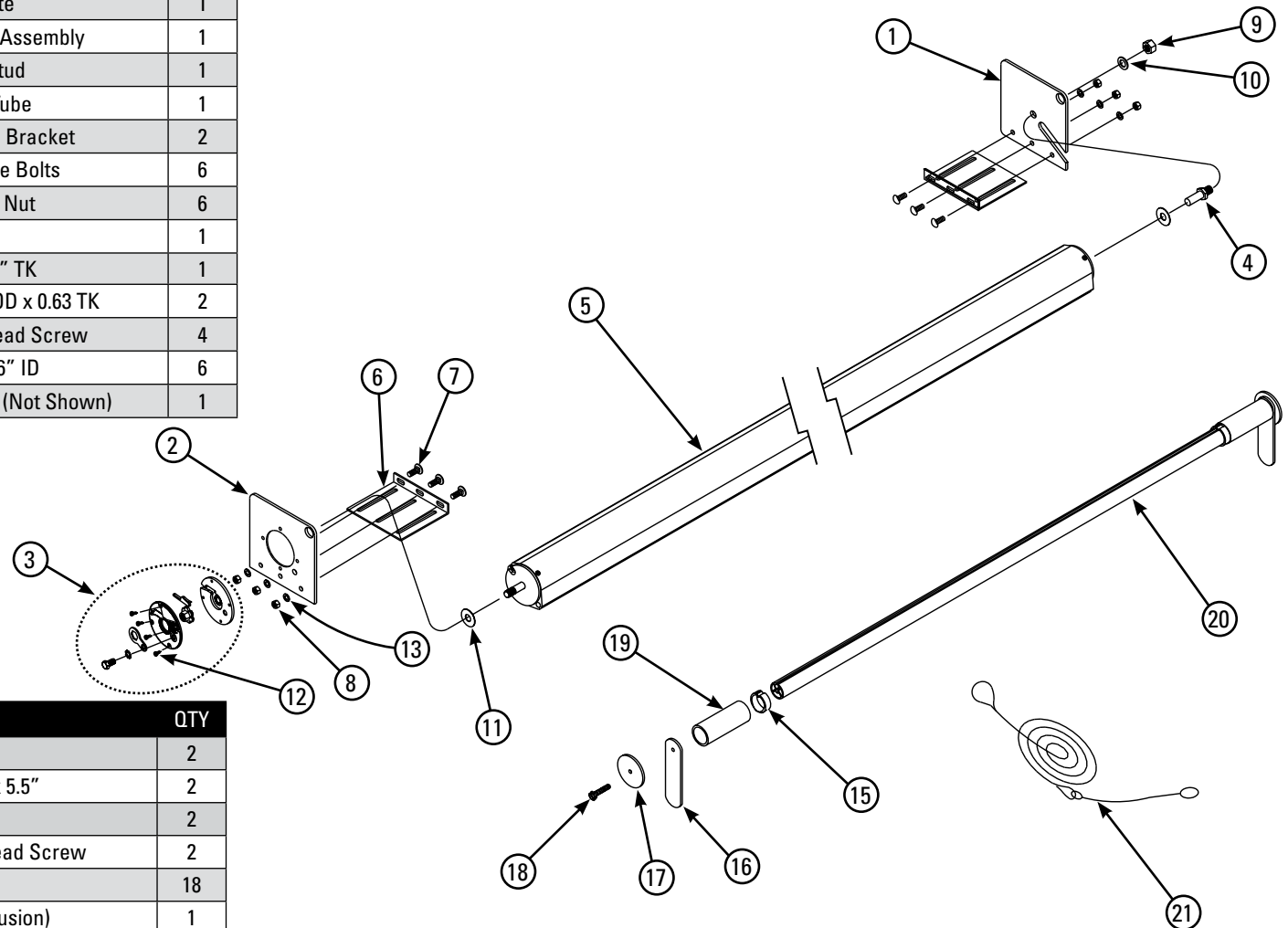
| ITEM | PART #   | DESCRIPTION                             | QTY |
|------|----------|-----------------------------------------|-----|
| 1    | 501-0220 | 9" End Plate without Stud               | 1   |
| 2    | 501-0289 | 9" Bunker End Plate                     | 1   |
| 3    | 501-0647 | System End Plate Ratchet Assembly       | 1   |
| 4    | 501-0801 | System End Plate Stud                   | 1   |
| 5    | 501-1371 | 183" Bunker Roller Tube                 | 1   |
| 6    | 501-1555 | Bunker System Mounting Bracket          | 2   |
| 7    | 503-3104 | 5/16" - 18 x 3/4" Carriage Bolts        | 6   |
| 8    | 504-3102 | 5/16" - 18 Jam Nyloc Nut                | 6   |
| 9    | 504-5001 | 1/2" Crimp Nut                          | 1   |
| 10   | 505-5001 | 1/2" AN Washer 1/16" TK                 | 1   |
| 11   | 505-5002 | Washer Nylon 0.5 ID x 1.25 OD x 0.63 TK | 2   |
| 12   | 506-9937 | 10-32 x 5/8" Phillips Pan Head Screw    | 4   |
| 13   | 505-2502 | 1/4" USS Washer 5/16" ID                | 6   |
| 14   | 501-0649 | Bolt-On Bunker Hardware Kit (Not Shown) | 1   |

## Bunker Open 9000M #105-1830 (Width of 183")

REV. 06/17/22 WLH

### Pullrod Hardware

| ITEM | PART #   | DESCRIPTION                           | QTY |
|------|----------|---------------------------------------|-----|
| 15   | 501-1410 | Reliance Sleeve                       | 2   |
| 16   | 501-0644 | Tarp Guide Steel 1.5" x 5.5"          | 2   |
| 17   | 505-0201 | Pull Rod Washer                       | 2   |
| 18   | 506-2502 | 1/4" - 20 x 1" Slotted Hex Head Screw | 2   |
| 19   | 517-0106 | 1-1/4" Grey PVC                       | 18  |
| 20   | 517-0610 | Pull Rod 204" Only (Extrusion)        | 1   |
| 21   | 517-1006 | 35' Pull Rope with Bungee             | 1   |





## INSTALLATION INSTRUCTIONS

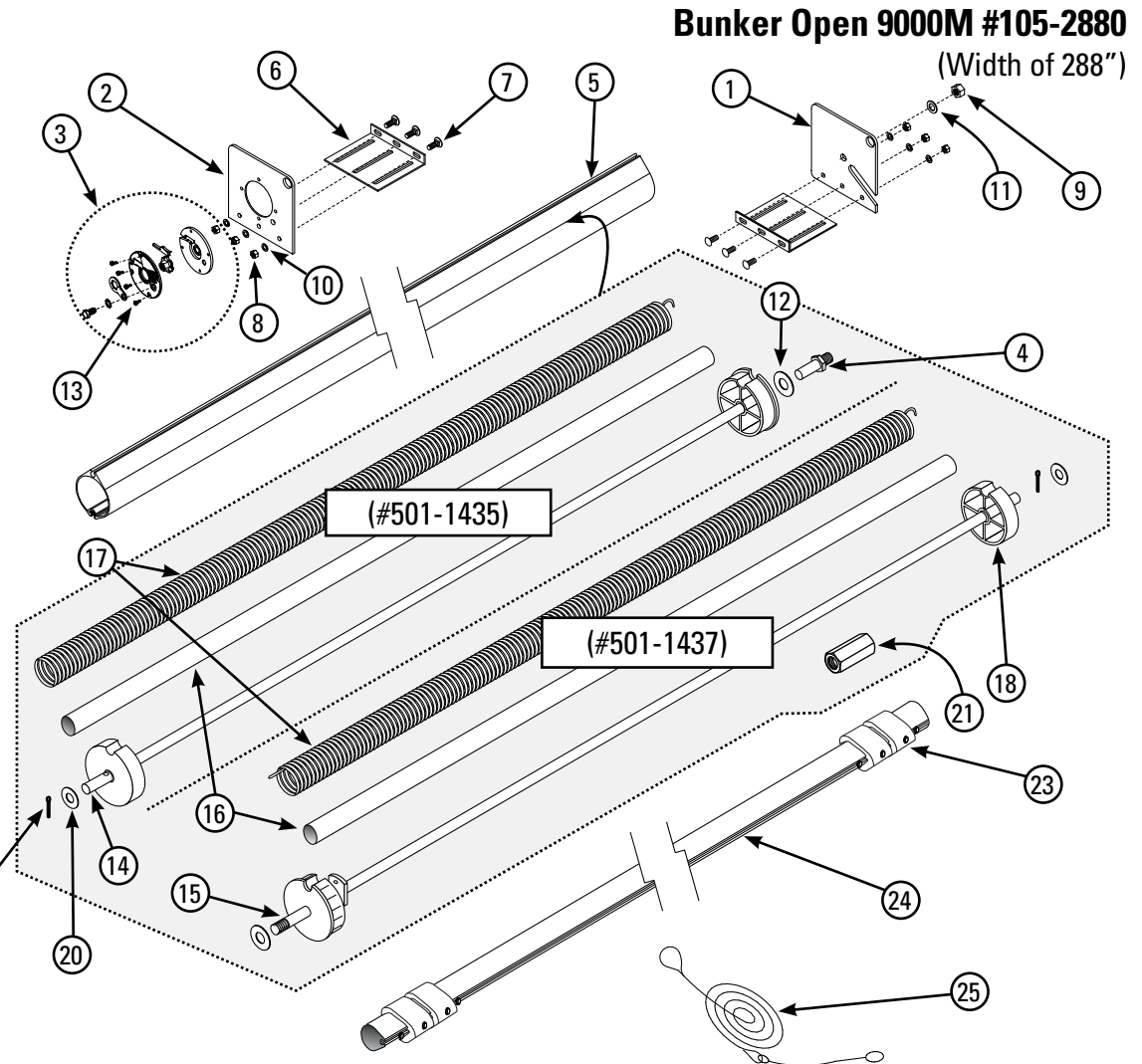
## Bunker 9000M

| ITEM | PART #   | DESCRIPTION                             | QTY |
|------|----------|-----------------------------------------|-----|
| 1    | 501-0220 | 9" End Plate without Stud               | 1   |
| 2    | 501-0289 | 9" Bunker End Plate                     | 1   |
| 3    | 501-0647 | System End Plate Ratchet Assembly       | 1   |
| 4    | 501-0801 | System End Plate Stud                   | 1   |
| 5    | 501-1370 | 288" Bunker Roller Tube                 | 1   |
| 6    | 501-1555 | Bunker System Mounting Bracket          | 2   |
| 7    | 503-3104 | 5/16" - 18 x 3/4" Carriage Bolts        | 6   |
| 8    | 504-3102 | 5/16" - 18 Jam Nyloc Nut                | 6   |
| 9    | 504-5001 | 1/2" Crimp Nut                          | 1   |
| 10   | 505-2502 | 1/4" USS Washer 5/16" ID                | 6   |
| 11   | 505-5001 | 1/2" AN Washer 1/16" TK                 | 1   |
| 12   | 505-5002 | Washer Nylon 0.5 ID x 1.25 OD x 0.63 TK | 4   |
| 13   | 506-9937 | 10-32 x 5/8" Phillips Pan Head Screw    | 4   |
| 14   | 501-1420 | 1/2" x 66" Spring Shaft with CAD        | 1   |
| 15   | 501-1403 | 1/2" x 66" Spring Shaft with CAD        | 1   |
| 16   | 501-1411 | 1/2" x 59.5" PVC SCH 40 Spacer          | 2   |
| 17   | 517-9916 | Main Spring                             | 2   |
| 18   | 517-0104 | Torque Block                            | 2   |
| 19   | 506-1201 | 1/8" x 1" Cotter Pin                    | 2   |
| 20   | 505-5001 | 1/2" AN Washer 1/16" TK                 | 2   |
| 21   | 504-5007 | 1/2" - 13 x 1-3/4" Coupling Nut         | 1   |
| 22   | 501-0649 | Bolt-On Bunker Hardware Kit (Not Shown) | 1   |

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### Universal Teardrop Pullrod Hardware

| ITEM | PART #   | DESCRIPTION              | QTY |
|------|----------|--------------------------|-----|
| 23   | 501-1293 | Teardrop Bumper Kit      | 1   |
| 24   | 517-0636 | 288" Teardrop Pull Bar   | 1   |
| 25   | 517-1009 | 50' Pull Rod with Bungee | 1   |





# **BUNKER 9000M INSTALLATION**



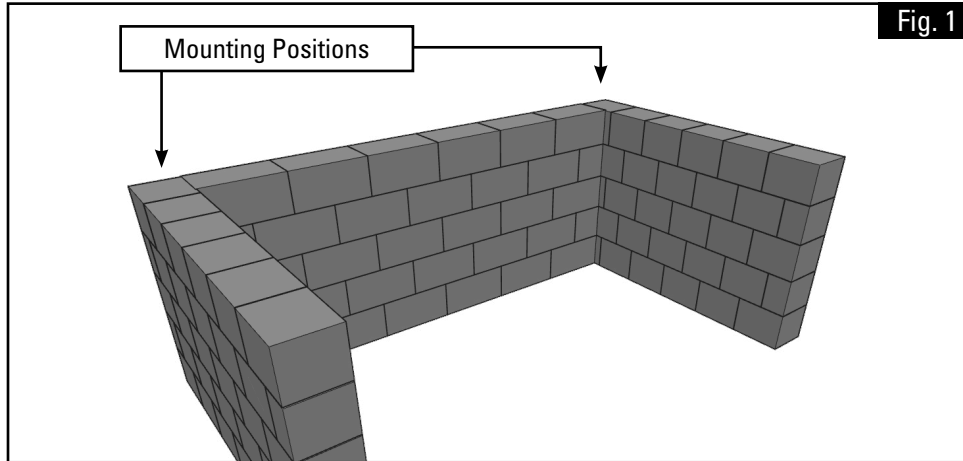
## INSTALLATION INSTRUCTIONS

Bunker 9000M

### Mounting System

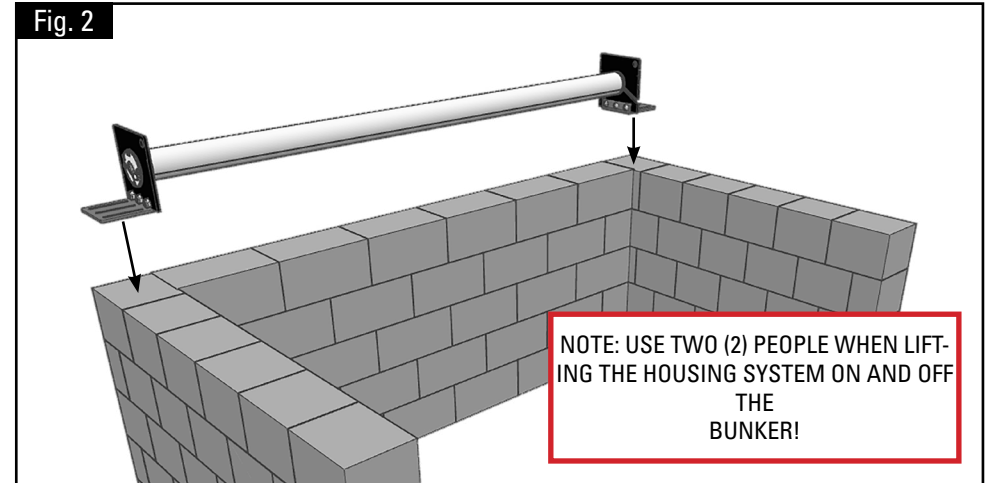
#### Step 1: Locate Mounting Position

Locate positions for mounting the housing (Fig. 1).



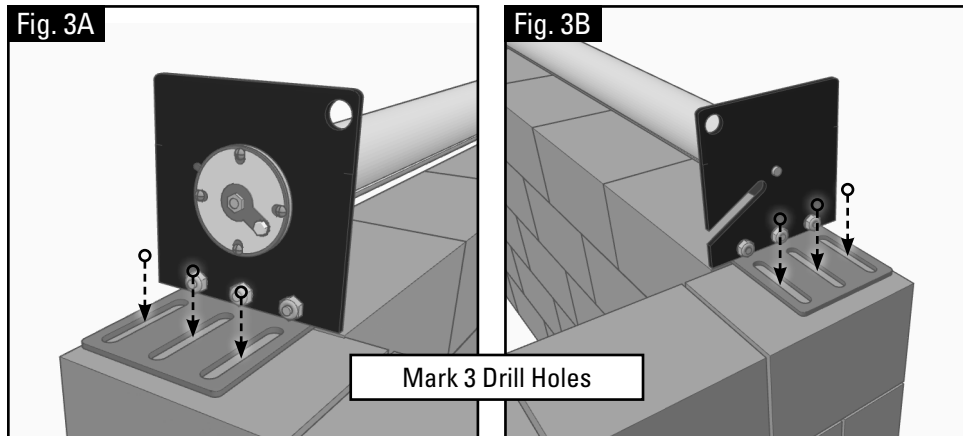
#### Step 2: Position Housing

Place the system and brackets on the bunker (Fig. 2).



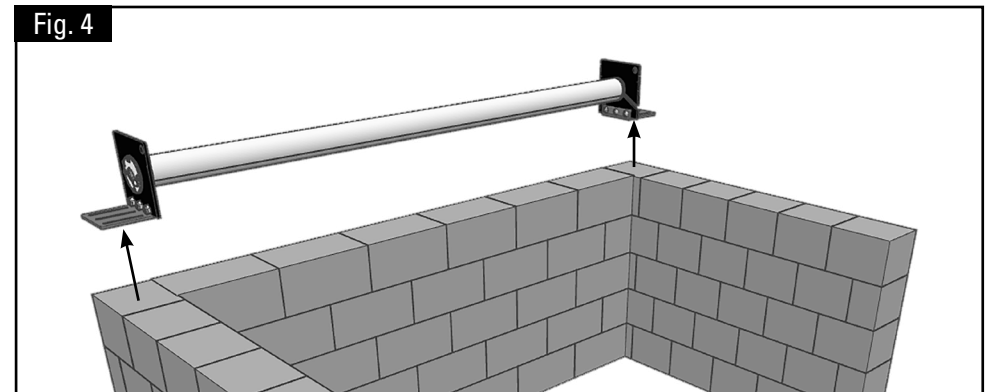
#### Step 3: Mark Mounting Position

Mark the three (3) drill positions where mounting brackets will be secured to the bunker (Fig. 3A & B).



#### Step 4: Mark Mounting Position

Remove the housing to allow for drilling the mounting holes (Fig. 4).







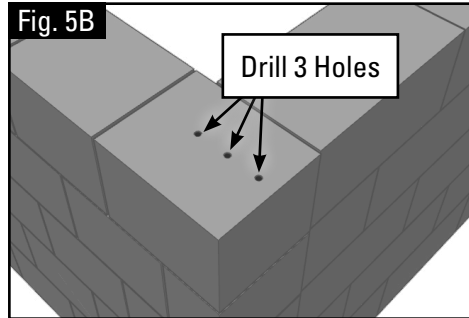
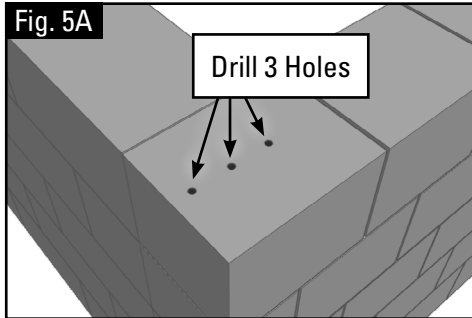
## INSTALLATION INSTRUCTIONS

Bunker 9000M

### Mounting the System

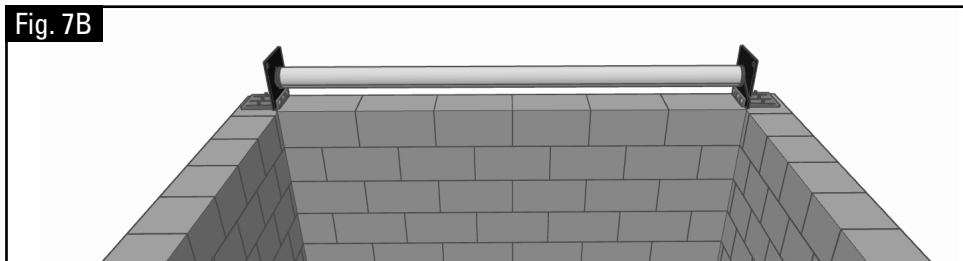
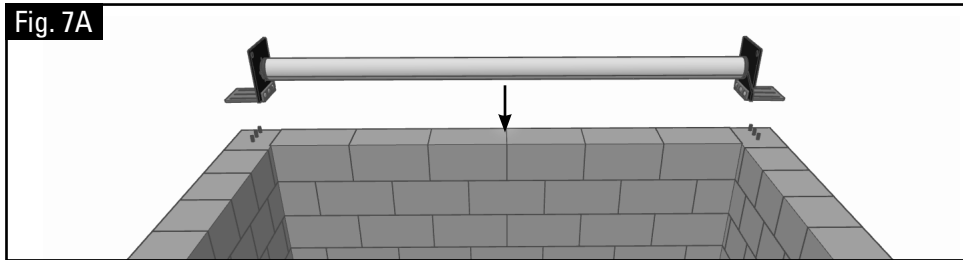
#### Step 5: Drill Holes

Use a Hammer Drill to drill holes for the mounting bolts at marked locations (Fig. 5A & B).



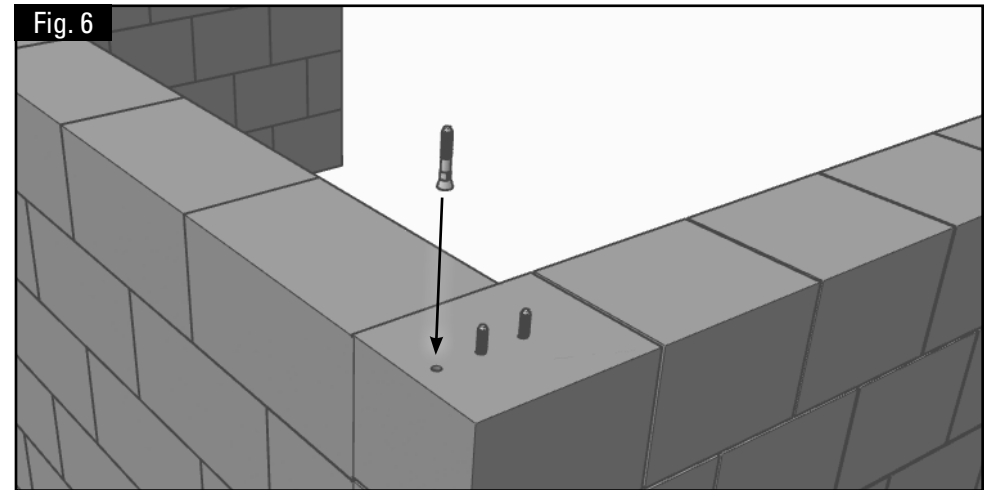
#### Step 7: Position Housing

Place the system and brackets on the bunker, with the Wedge Bolts sticking out in the bracket grooves (Fig. 7A & B).



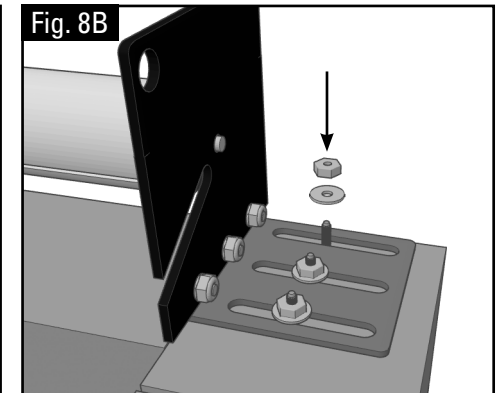
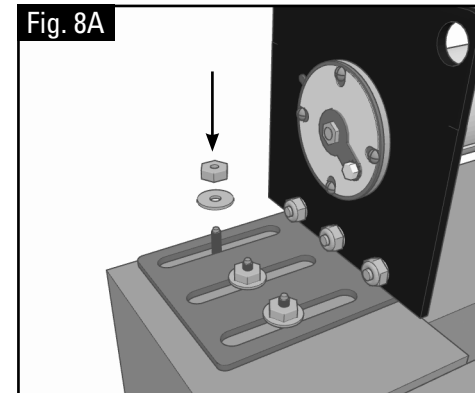
#### Step 6: Position Housing

Clean out debris from drilled holes. Hammer in the Wedge bolts on both sides into each hole until secure (Fig. 6).



#### Step 8: Mark Mounting Position

Secure each bolt with a washer and nut. (Fig. 8A & B).





## INSTALLATION INSTRUCTIONS

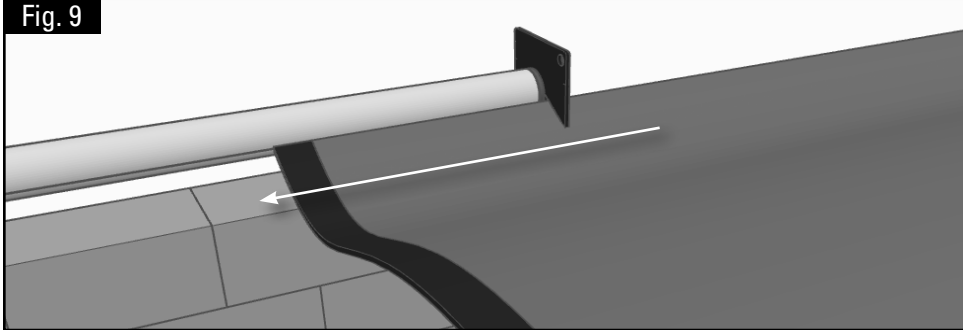
Bunker 9000M

### Installing Tarp and Pullbar

#### Step 9: Installing the tarp

Install the tarp and center in the Roller Tube (Fig. 9). Center the tarp on the roller tube.

Fig. 9



#### Step 11: Installing Pullrod

Install the Pullrod onto the hem tube in the wear patch. Slide through the loop, and center on tarp (Fig. 11A -11C). Note: Use WD40 to lubricate to help the insertion of the tarp into the Pull Bar.

Fig. 11A

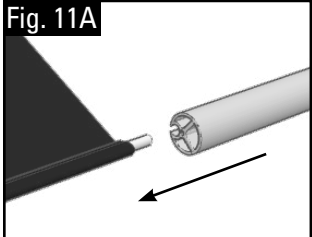


Fig. 11B

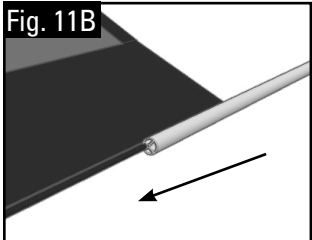
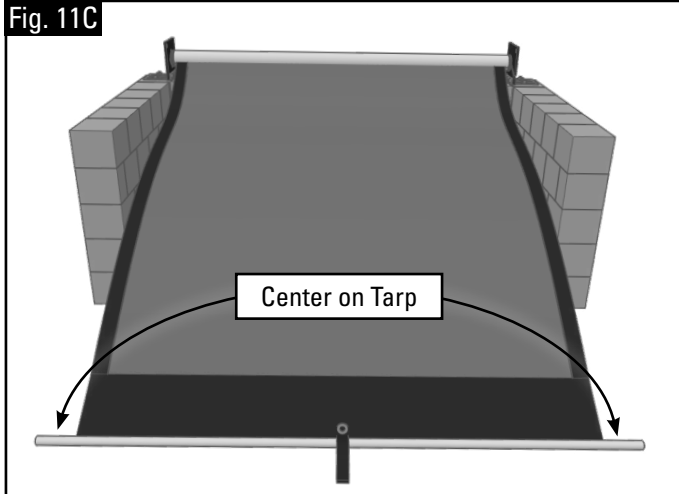


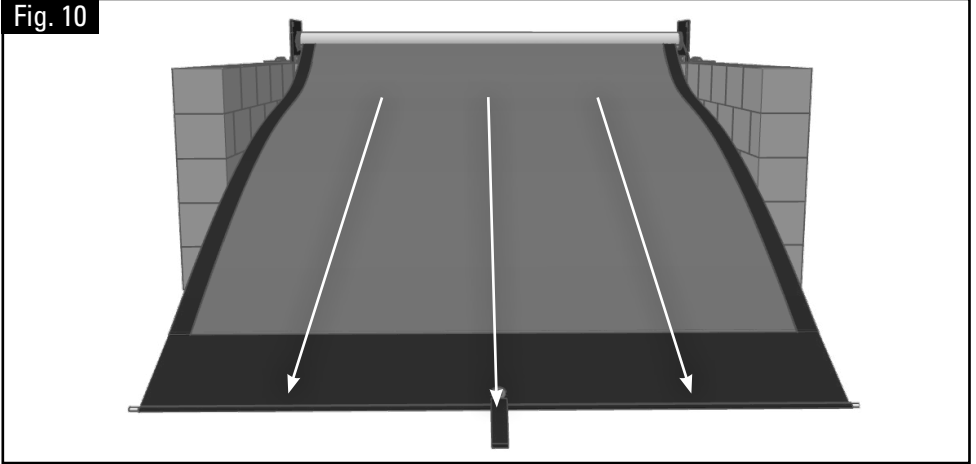
Fig. 11C



#### Step 10: Extending Tarp

With the tarp centered on the roller tube, extend the tarp past the opening of the bunker (Fig. 10).

Fig. 10



#### Step 12: Pullrod Hardware Kit

Attached the Pullrod Hardware Kit to each side of the Pullrod and secure with bolt (Fig. 12A-12C).

Fig. 12A

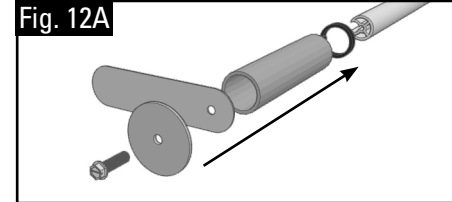


Fig. 12B

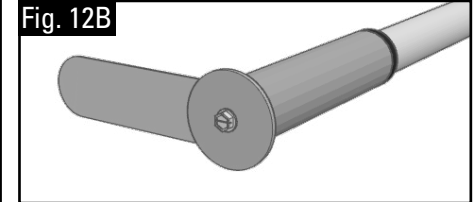
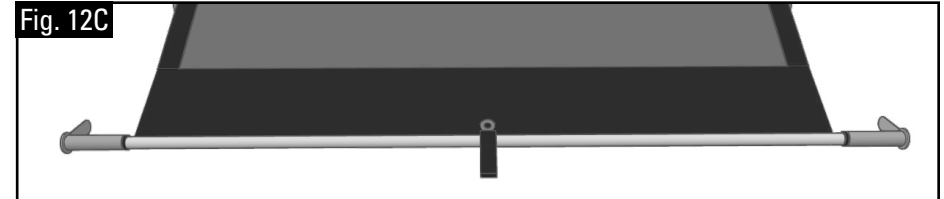


Fig. 12C





## INSTALLATION INSTRUCTIONS

Bunker 900M

### Installing Pullrope and Adding Spring Tension

#### Step 13: Installing the Pull Rope

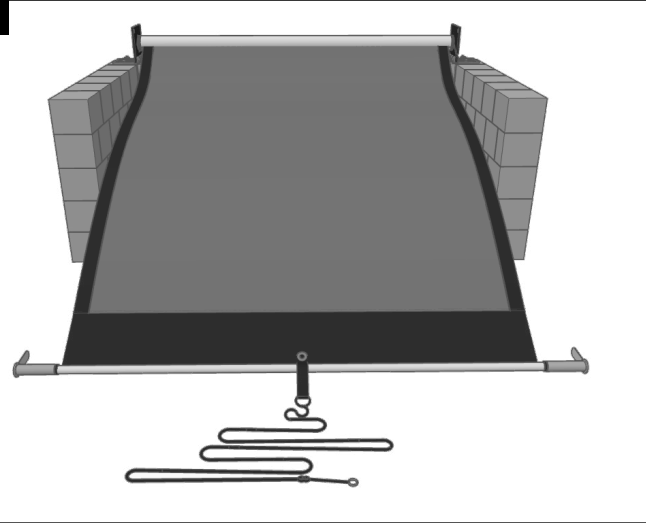
Install the Pull Rope through the Wear Patch Loop (Fig. 13).



#### Step 14: Preparing to add Spring Tension

With the Pull Rope attached, unravel the Pull Rope to make sure there aren't any knots. Once secure, make sure the Pull Rod is at the bottom front of the bunker (Fig. 14).

Fig. 14



#### Step 15: Ratchet Operation

Before adding spring tension and rolling excess tarp onto the roller tube, check out the instructions for...

[PDF: Ratchet Operation](#)

Note: Before operating the Ratchet, make sure Pull Rod is flat on the ground at the front of the Bunker.

