



INSTALLATION INSTRUCTIONS

Bunker 9000M

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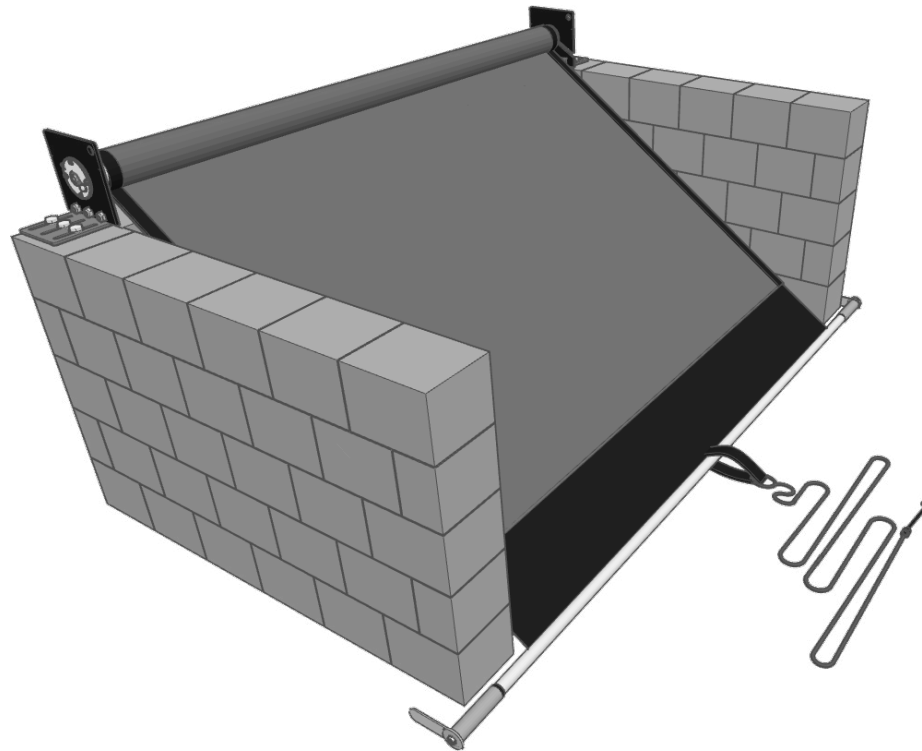


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[VIDEO: Pulltarps® Bunker System Demo](#)

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



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

DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.

Document #: 607-0158
Revised: 01/03/23 WLH



A Safe Fleet Brand



INSTALLATION INSTRUCTIONS

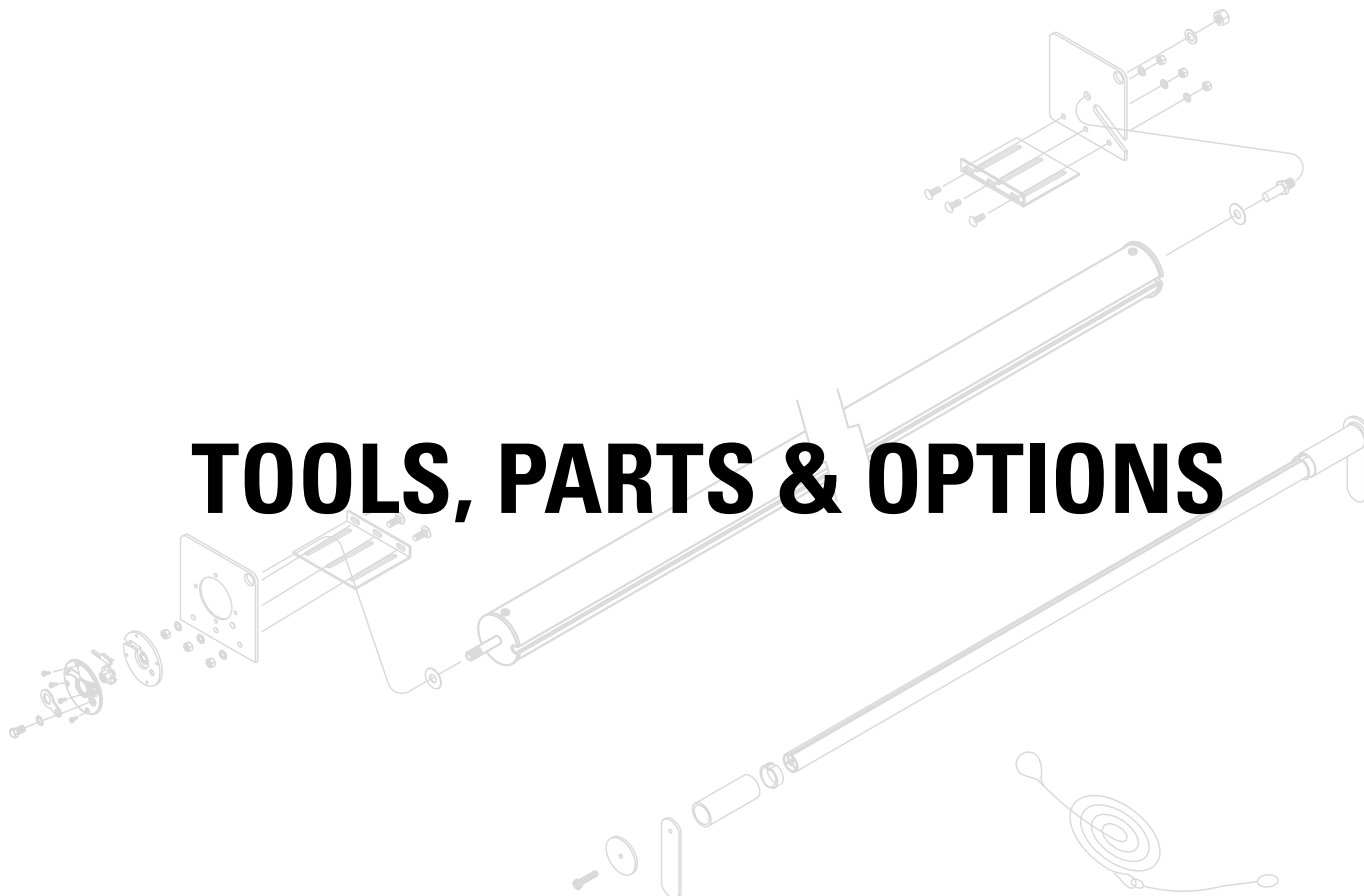
Bunker 9000M

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TOOLS, PARTS & OPTIONS

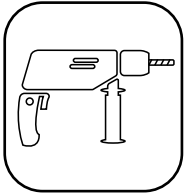




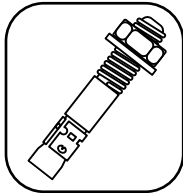
INSTALLATION INSTRUCTIONS

Bunker 9000M

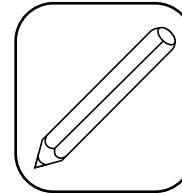
Recommended Tools



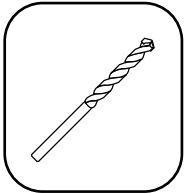
Hammer Drill



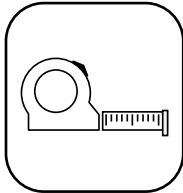
Wedge Bolts



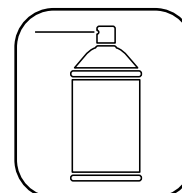
Pencil or Marker



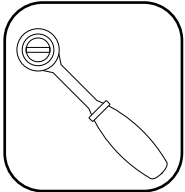
Masonry Drill Bit



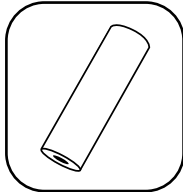
Tape Measure



Lubricant



Large Socket Wrench



Socket



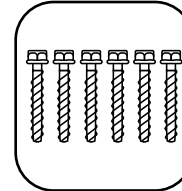
Adjustable Wrench (Optional)



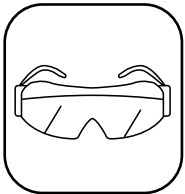
Standard Hammer



Air Compressor



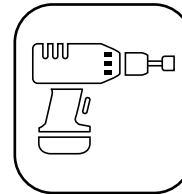
Masonry Bolts (Optional)



Safety Glasses



Ear Protection



Impact Drill (Optional)



INSTALLATION INSTRUCTIONS

Bunker 9000M

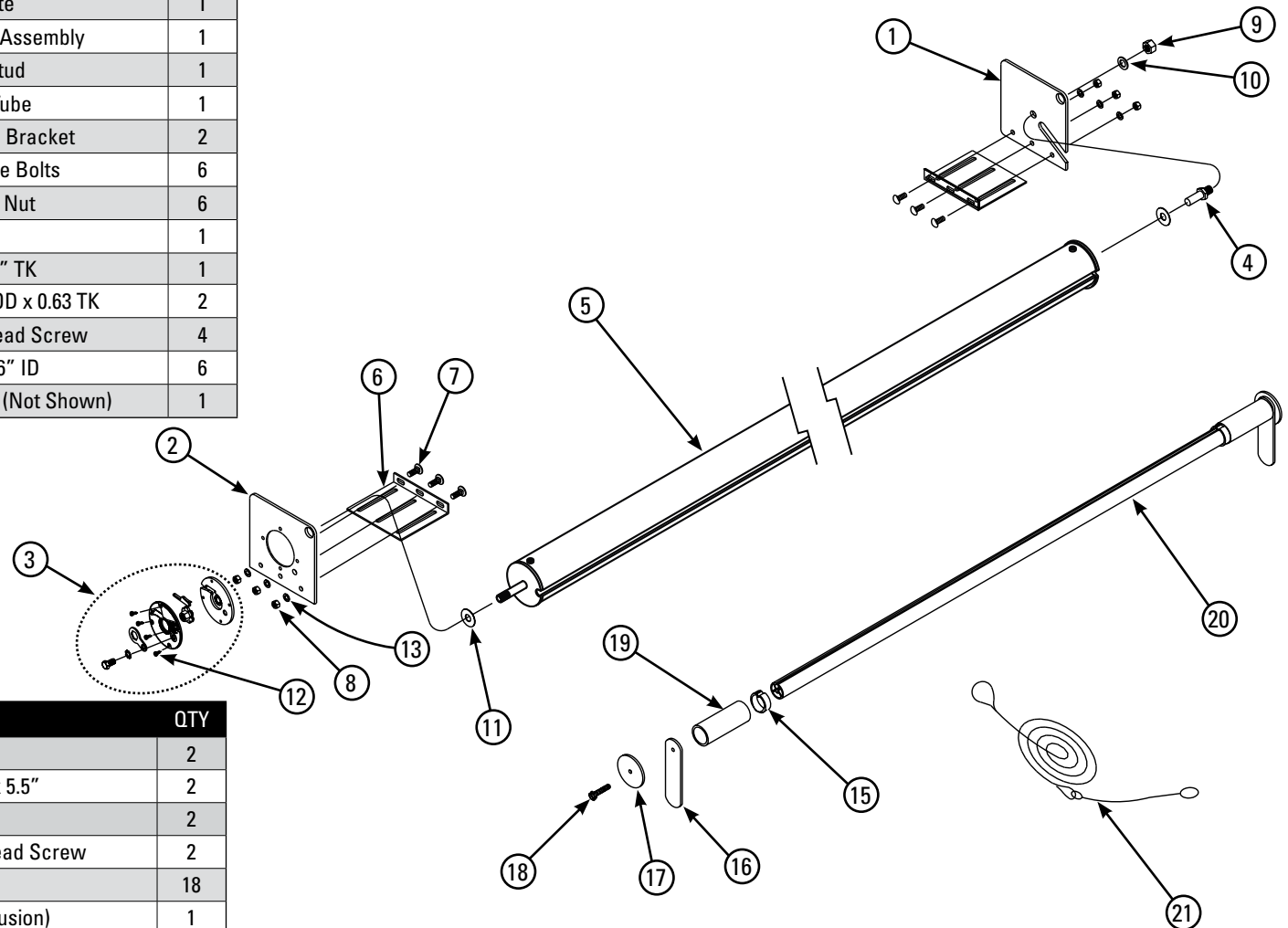
ITEM	PART #	DESCRIPTION	QTY
1	501-0220	9" End Plate without Stud	1
2	501-0289	9" Bunker End Plate	1
3	501-0647	System End Plate Ratchet Assembly	1
4	501-0801	System End Plate Stud	1
5	501-1371	183" Bunker Roller Tube	1
6	501-1555	Bunker System Mounting Bracket	2
7	503-3104	5/16" - 18 x 3/4" Carriage 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

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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

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





INSTALLATION INSTRUCTIONS

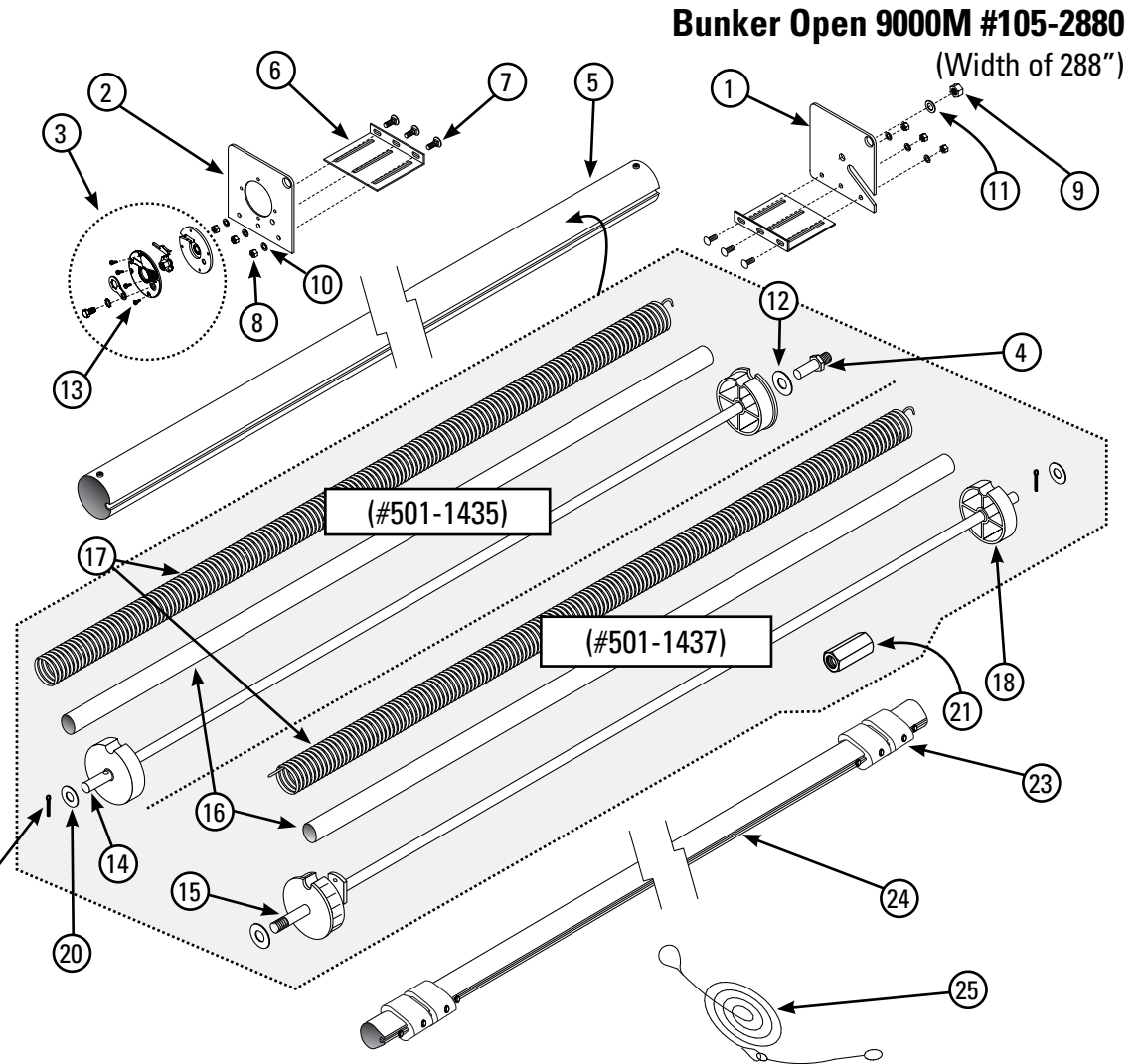
Bunker 9000M

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

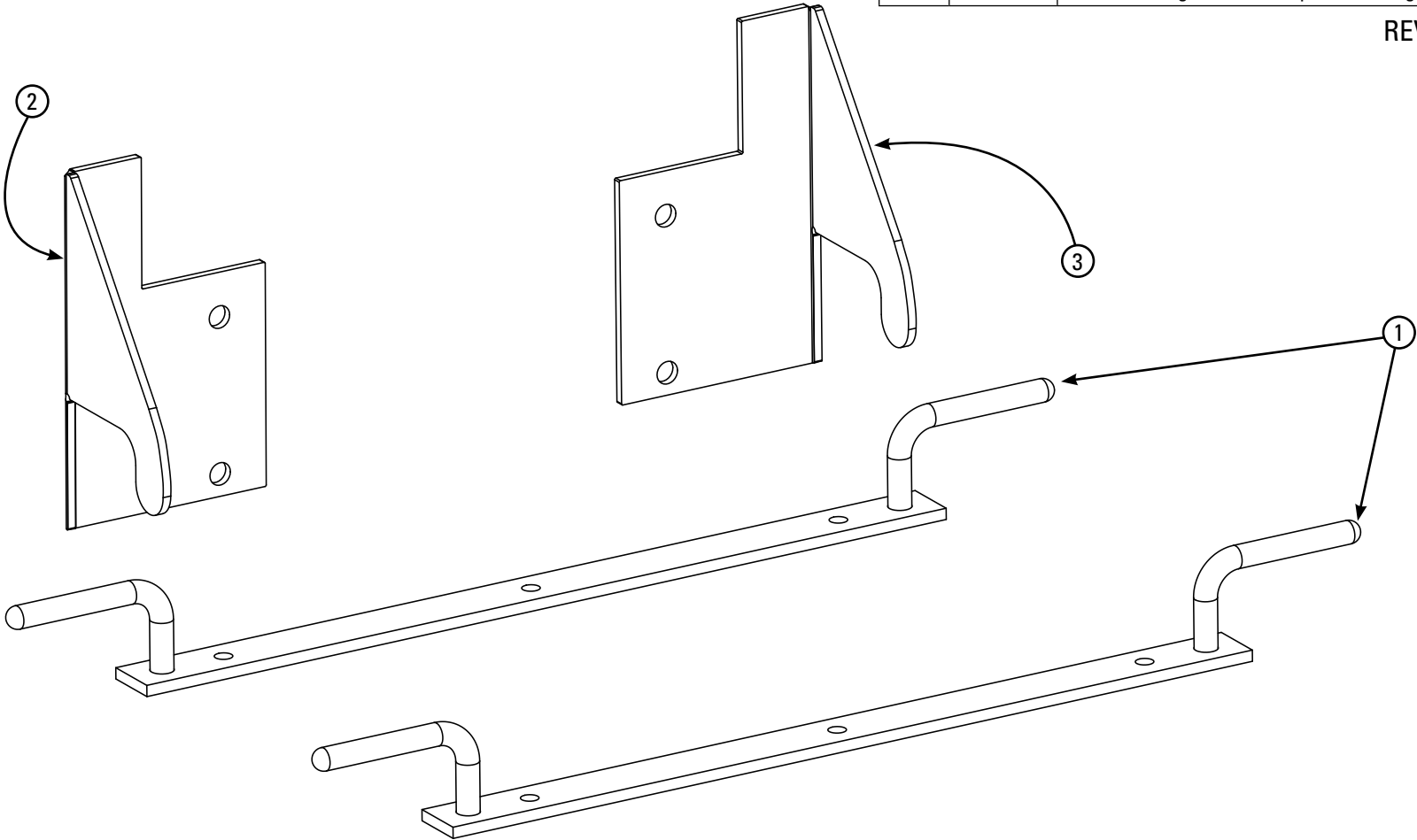




Bolt-On Bunker H/W Kit #501-0649 (Optional)

ITEM	PART #	DESCRIPTION	QTY
1	501-0554	Bolt-On Rope Hook Assembly Welded	2
2	501-0347	Large Bolt-On Tarp Return - Left	1
3	501-0348	Large Bolt-On Tarp Return - Right	1

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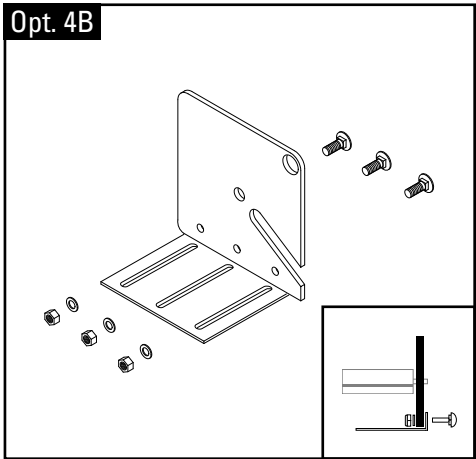
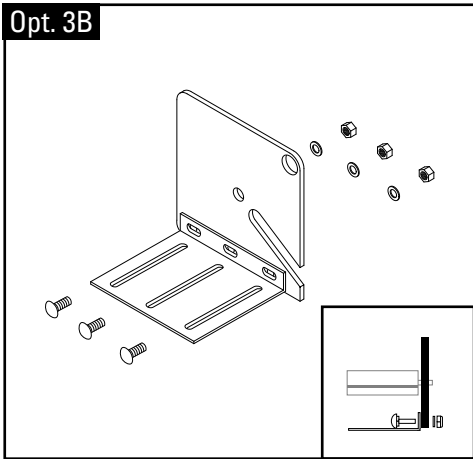
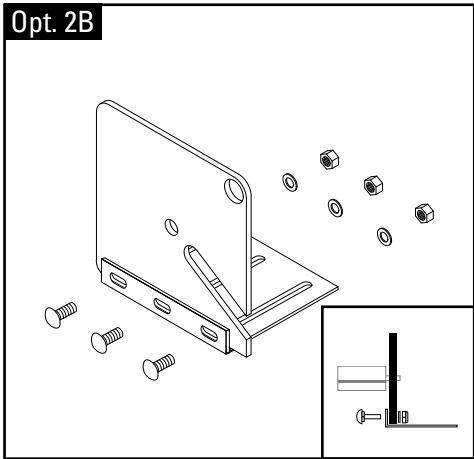
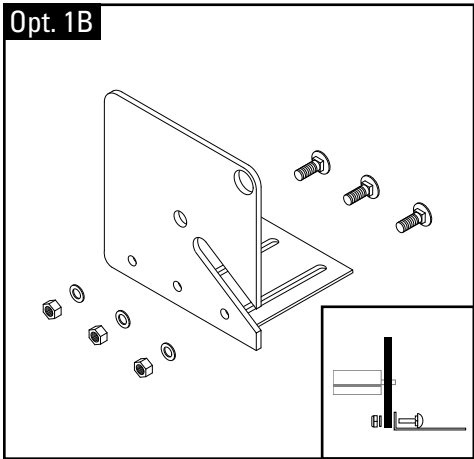
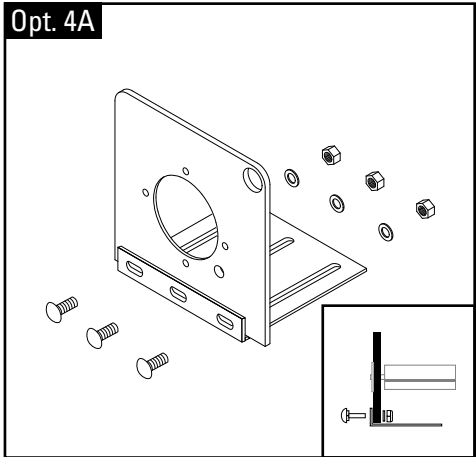
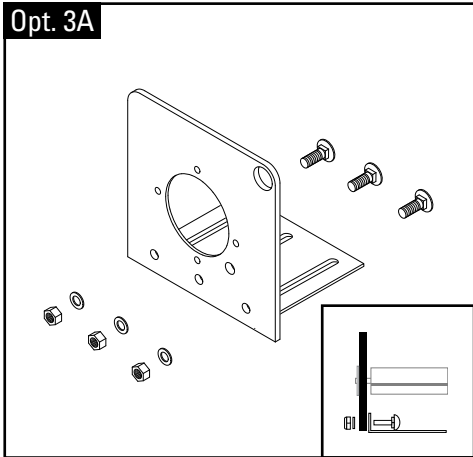
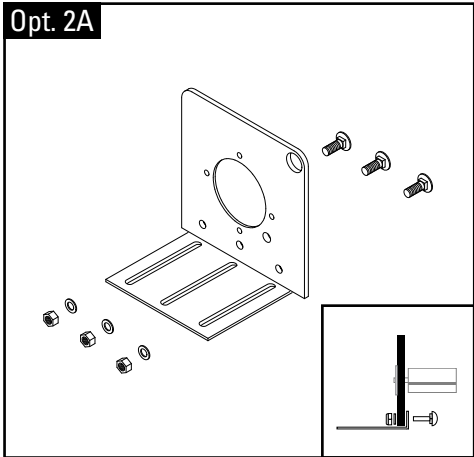
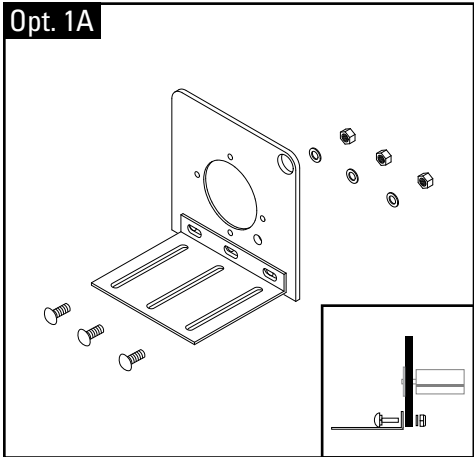


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Bunker 9000M

MOUNTING OPT.	DESCRIPTION
Option 1A & B	Bracket mounted on side of housing, facing outward
Option 2A & B	Bracket mounted on inside, with housing on top of bracket, facing outward
Option 3A & B	Bracket mounted on side of housing, facing inward
Option 4A & B	Bracket mounted on outside, with housing on top of bracket, facing inward

Bunker Open 9000M Mounting Bracket Options





BUNKER 9000M INSTALLATION



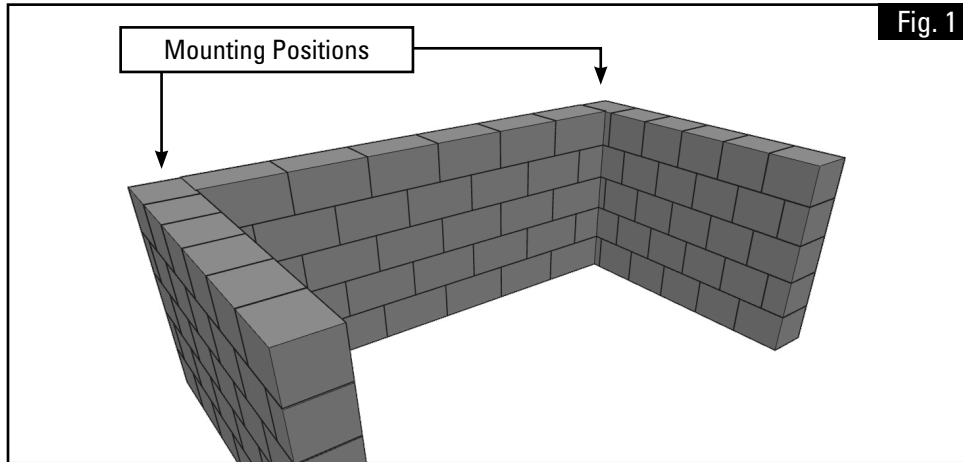
INSTALLATION INSTRUCTIONS

Bunker 9000M

Mounting System

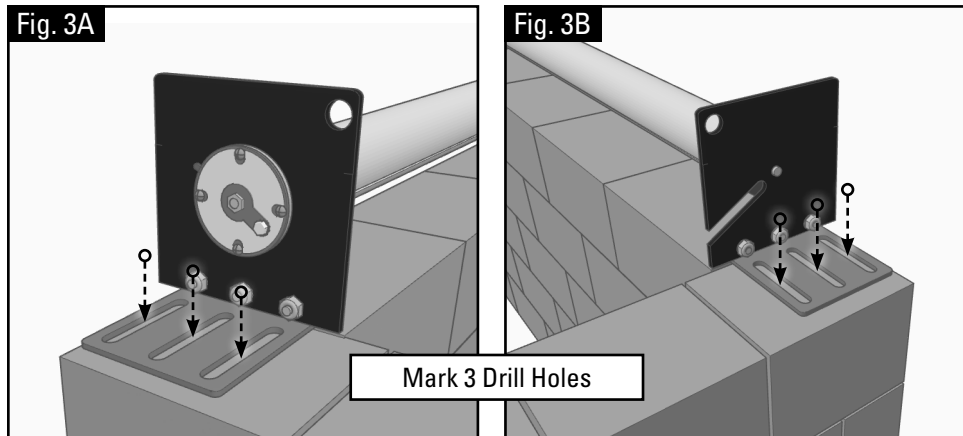
Step 1: Locate Mounting Position

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



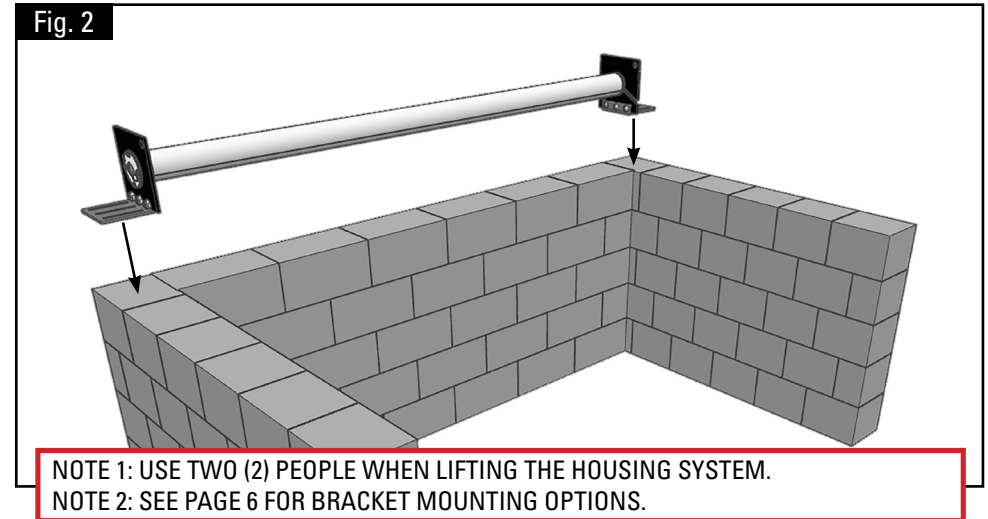
Step 3: Mark Mounting Position

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



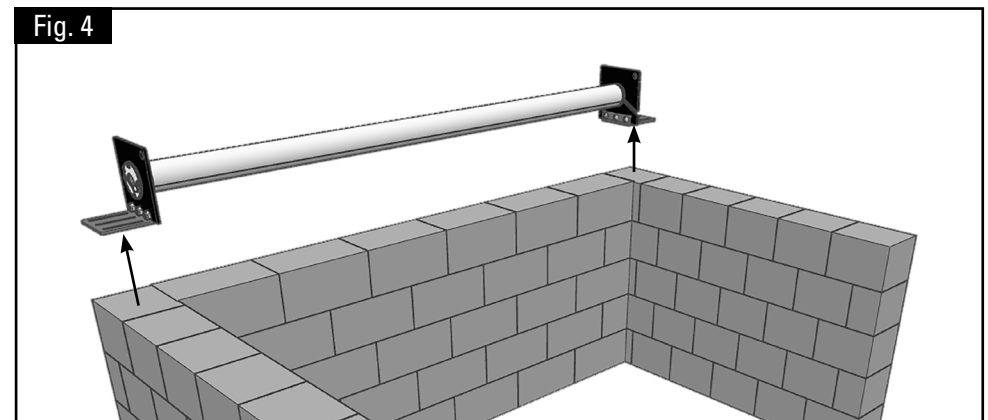
Step 2: Position Housing

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



Step 4: Mark Mounting Position

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





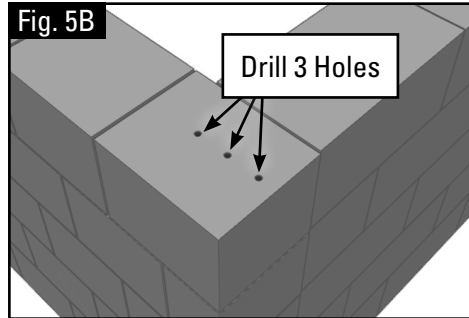
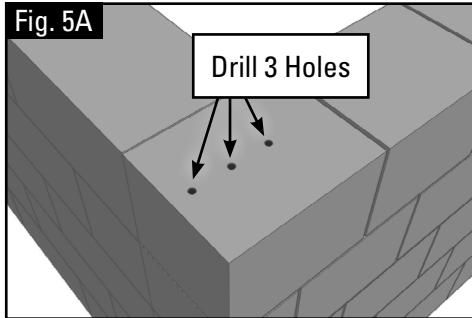
INSTALLATION INSTRUCTIONS

Bunker 9000M

Mounting the System

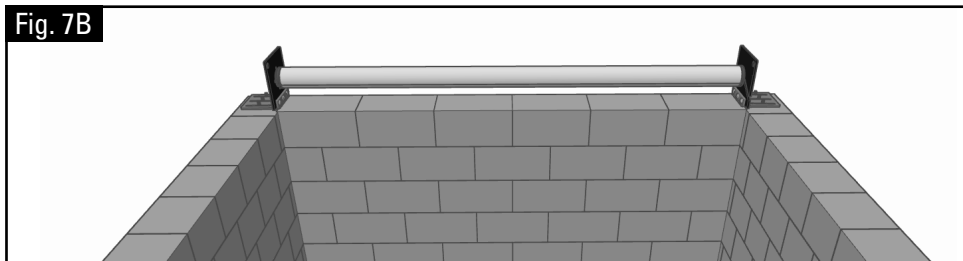
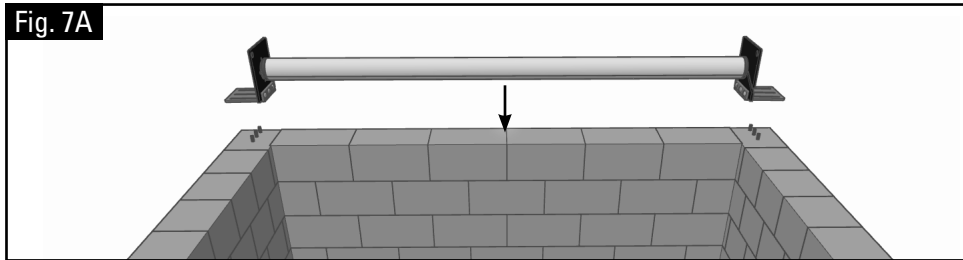
Step 5: Drill Holes

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



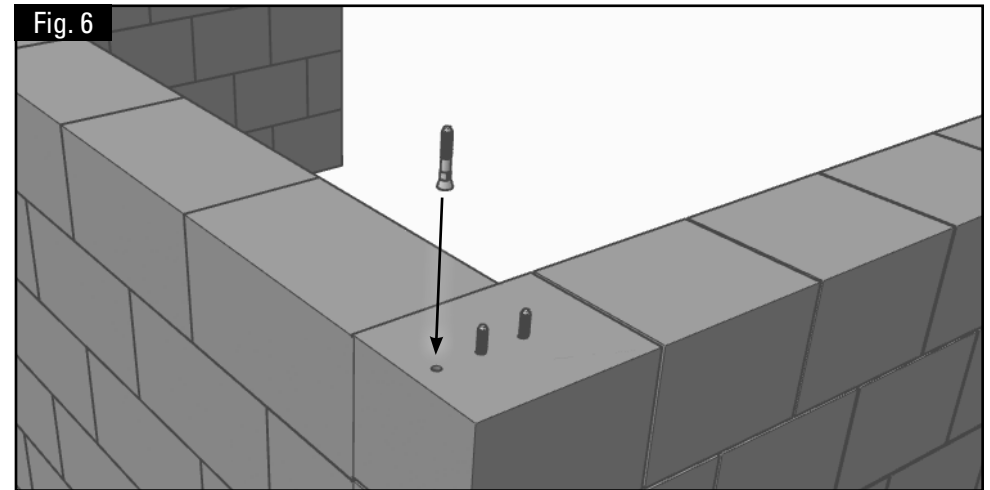
Step 7: Position Housing

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



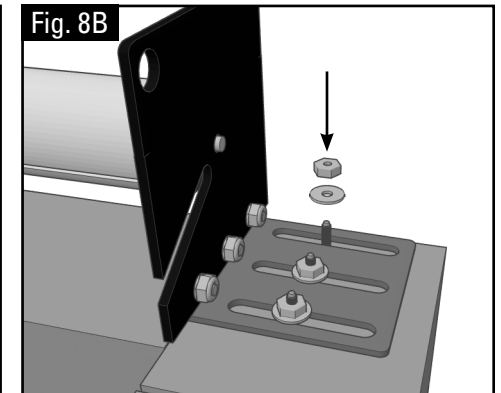
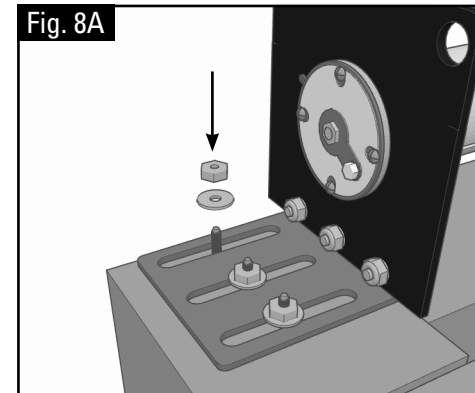
Step 6: Position Housing

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).





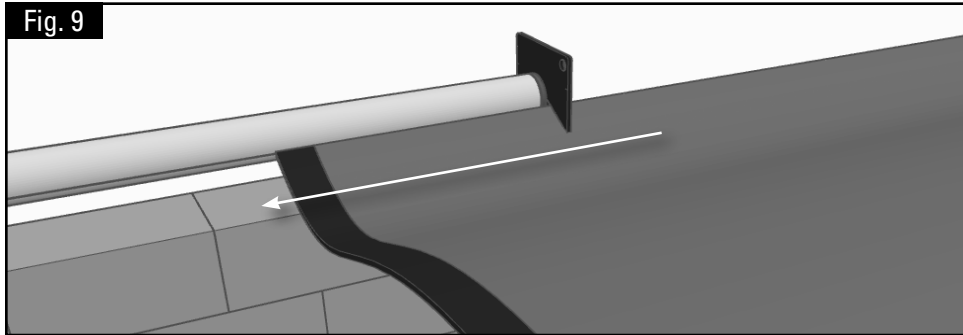
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Installing Tarp and Pullbar

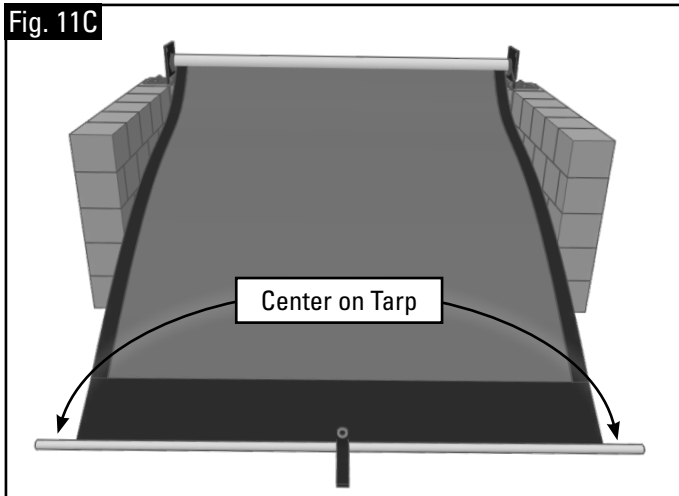
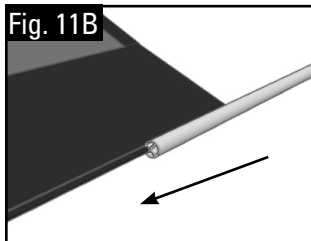
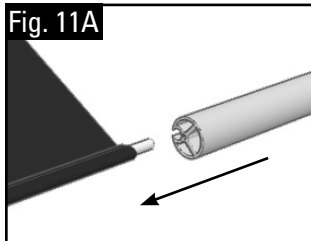
Step 9: Installing the tarp

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



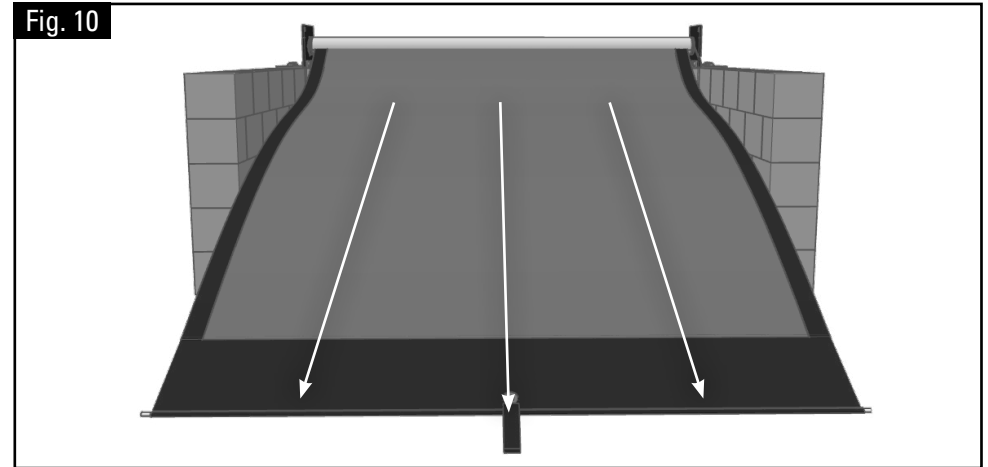
Step 11: Installing Pullrod

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.



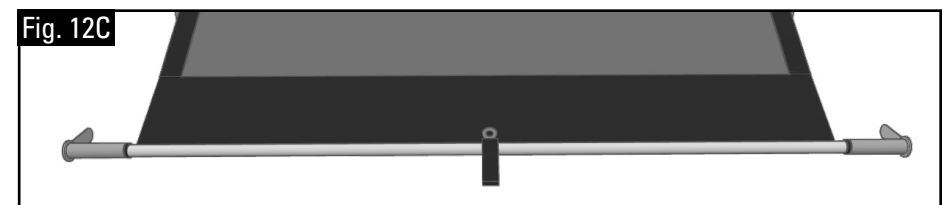
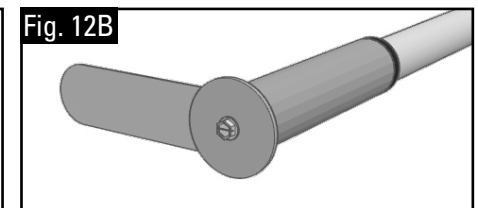
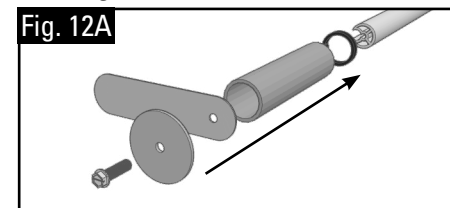
Step 10: Extending Tarp

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





INSTALLATION INSTRUCTIONS

Bunker 9000M

Installing Pullrope and Adding Spring Tension

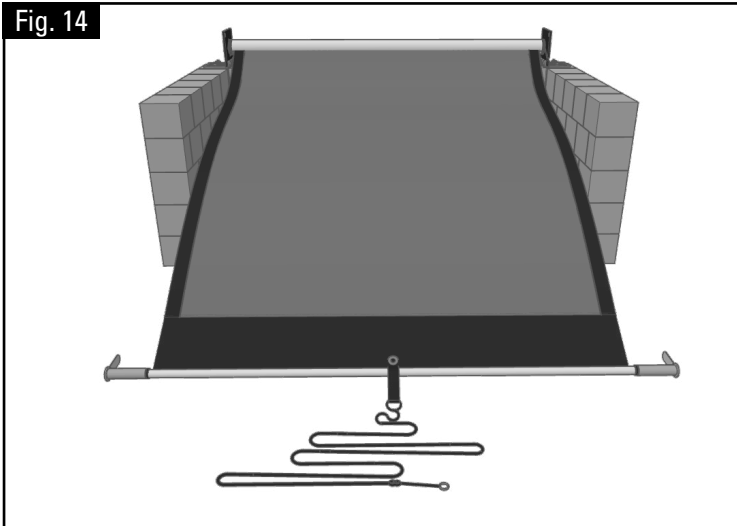
Step 13: Installing the Pull Rope

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).



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.

