



INSTALLATION INSTRUCTIONS

Stationary Tower Tarping System

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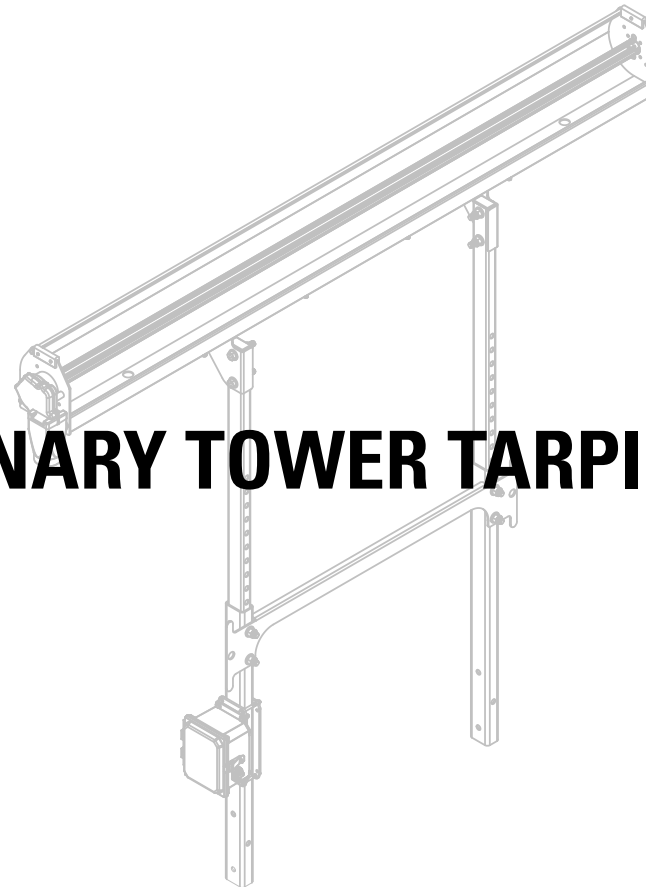


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STATIONARY TOWER TARPING SYSTEM



ATTENTION

DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.

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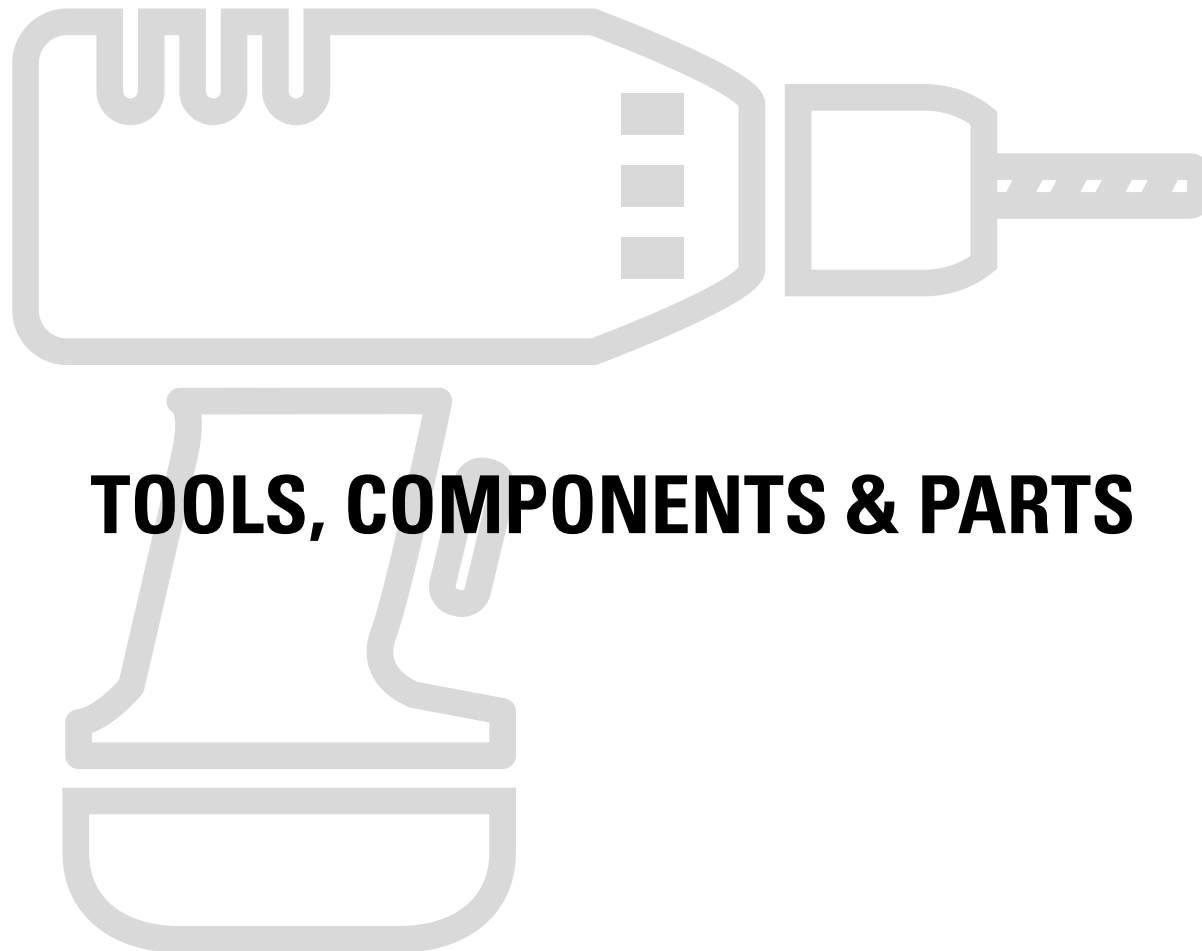


INSTALLATION INSTRUCTIONS

Stationary Tower Tarping System

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INSTALLATION INSTRUCTIONS

Section 1.A: Recommended Tools & Included Components

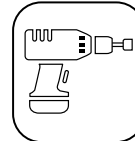
Recommended Tools & Included Components



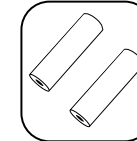
Safety Glasses and Gloves



Cordless Drill



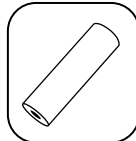
Cordless Impact Wrench



9/16" & 15/16" Sockets



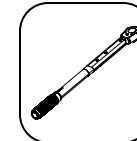
3/4", 9/16" & 15/16" Wrench



3/4" Socket



21/32" Drill Bits



Torque Wrench



Measuring Tape



Bubble Level

Components Included:

- Custom Frame Mounting Head-Sets
- Bolt Together Stationary Tower Assembly
- Spring Loaded Tarp Head-Set
- Tarp
- Pull Bar
- Rope

Note: All necessary mounting hardware will also be included.

Table 1: Torque Values for SAE Bolts

Size (in.)	SAE Torque Values (ft-lbs)					
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
	Coarse	Fine	Coarse	Fine	Coarse	Fine
1/4	4	4.7	6.3	7.3	9	10
5/16	8	9	13	14	18	20
3/8	15	17	23	26	33	37
7/16	24	27	37	41	52	58
1/2	37	41	57	64	80	90
9/16	53	59	82	91	115	129
5/8	73	83	112	128	159	180
3/4	115	138	200	223	282	315
7/8	129	144	322	355	454	501
1	188	210	483	541	682	764

*Torque all bolts to above values unless otherwise specified.



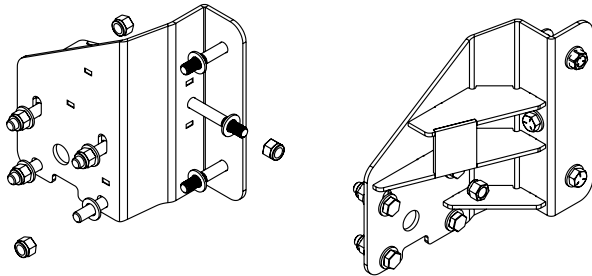
Assembly Configuration Specification

- There are 3 chassis mounting options based on specific make of vehicle. Proceed to the applicable vehicle section to begin install process.
 - » Ford, RAM or Isuzu
- Arms are an optional add-on for the manual system but are required with the electric system.
 - » Manual or Electric
- Arm mounts are required in most instances in which arms are utilized, based on the configuration of the vehicle. There are 2 options to chose from:
 - » SNG Brackets: Design to be compatible with Switch-N-Go's V2 chassis.
 - » Stand-off Brackets: To be used in most other applications. Mounts directly to vehicle.
 - » It is up to the customer to determine which options best fits their application.

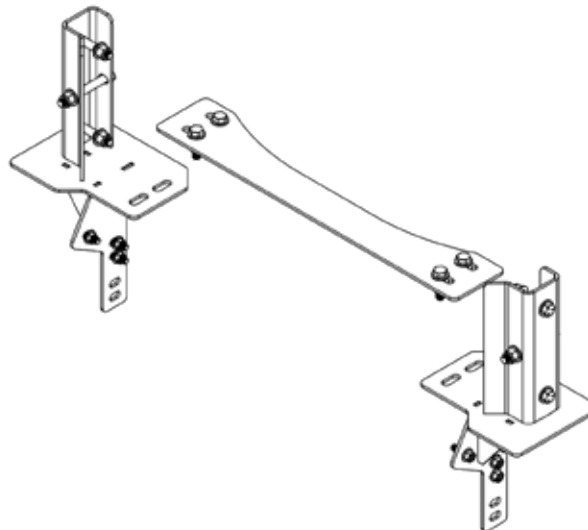


CHASSIS MOUNTS

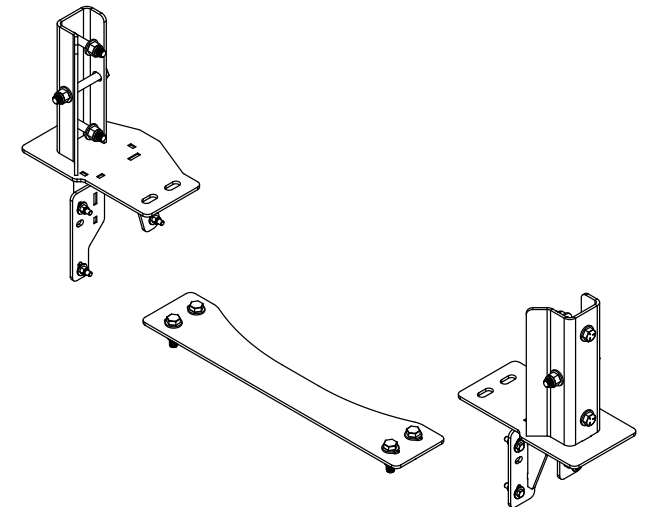
FORD CHASSIS P/#: 108719



RAM CHASSIS P/#: 109126



ISUZU CHASSIS P/#: 109061



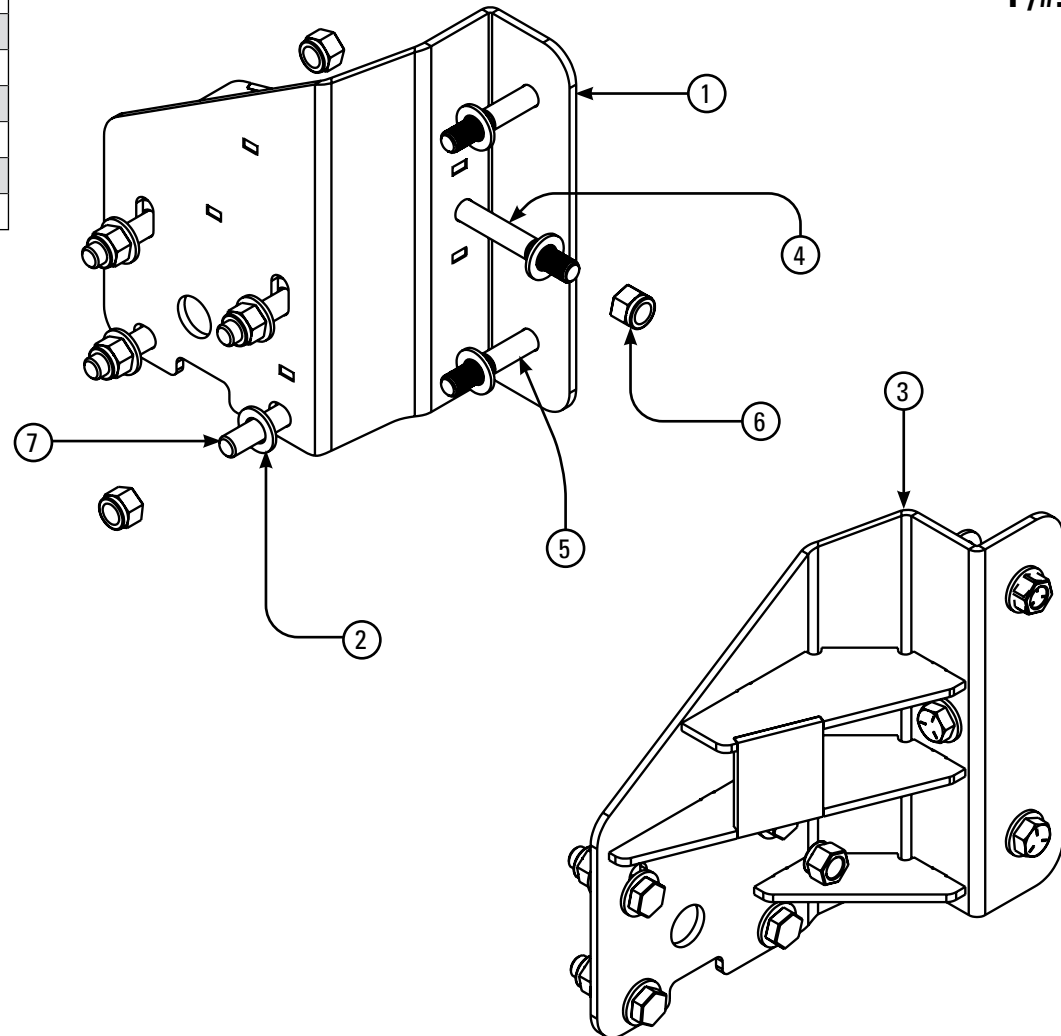
INSTALLATION INSTRUCTIONS

Section 2.A.i: Ford - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	108695	Frame Tower Mtg Brkt Wldmnt SS	1
2	18417	Washer, 5/8" Flat SAE, Zinc	28
3	108697	Tower Frame Mtg Bkt Wldmnt CS	1
4	108574	Hex Head Screw, 5/8"-11, 4.5", Grade 5	2
5	503-6201	5/8-11X 3 1/2 UNC Bolt, Grade 5, Unplated	4
6	18587	Nut, 5/8"-11 Nylock - Grade 8	14
7	18713	5/8" x 2 1/2" Bolt	8

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Ford Chassis Mounting Bracket P/#: 108719

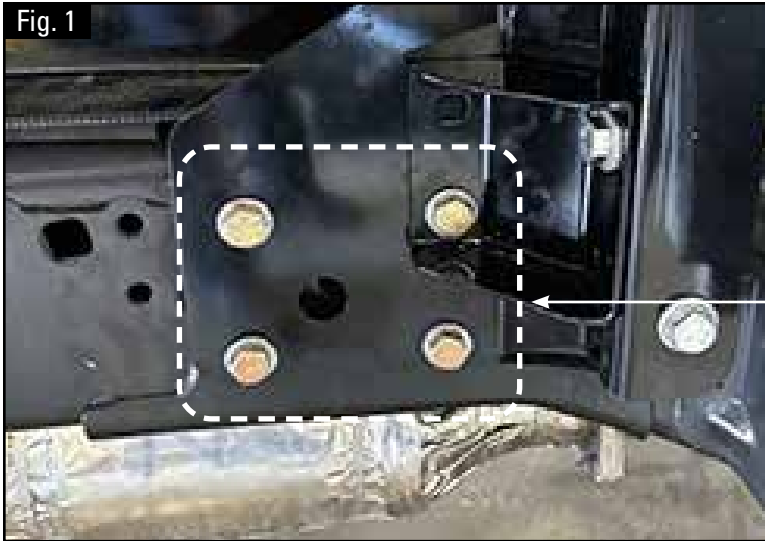


INSTALLATION INSTRUCTIONS

Section 2.A.ii: Ford - Installation

Installing Custom Mounting Brackets

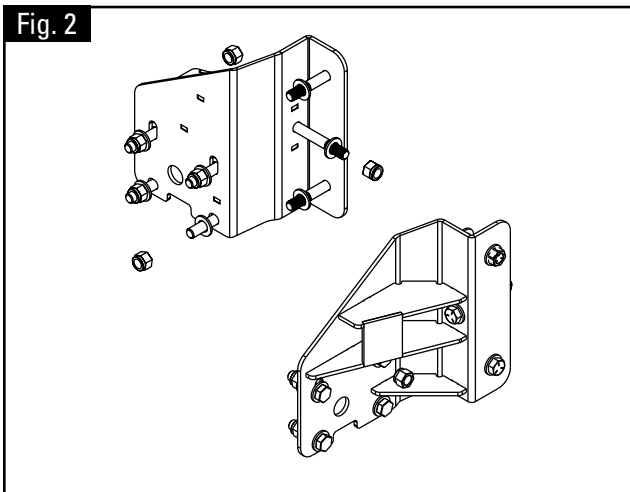
Fig. 1



Step 1: The tower assemblies will require you to install the custom mounting brackets securely to the frame rail of the specific vehicle (Fig. 1).

Four Mounting Bolts securing mounting brackets to frame rail.

Fig. 2



Step 2: Using the provided brackets, some configurations may need to have holes drilled into the frame in order to attach them to the frame (Fig. 2).

Ford chassis requires (4) 21/32" holes to be drilled using the bracket as a template for alignment and placement of necessary holes.

WARNING: When drilling through the frame rail pay special attention to the back (inside leg) of frame rail for fuel lines, brake lines or any wiring that may be affixed to the opposite side to ensure that no damage to anything while drilling through.

Step 3: Once both sides of the frame rail are drilled to attach the custom brackets, secure using the provide 5/8-11x2.5" bolts (4 each side).

Proceed to Section 3.



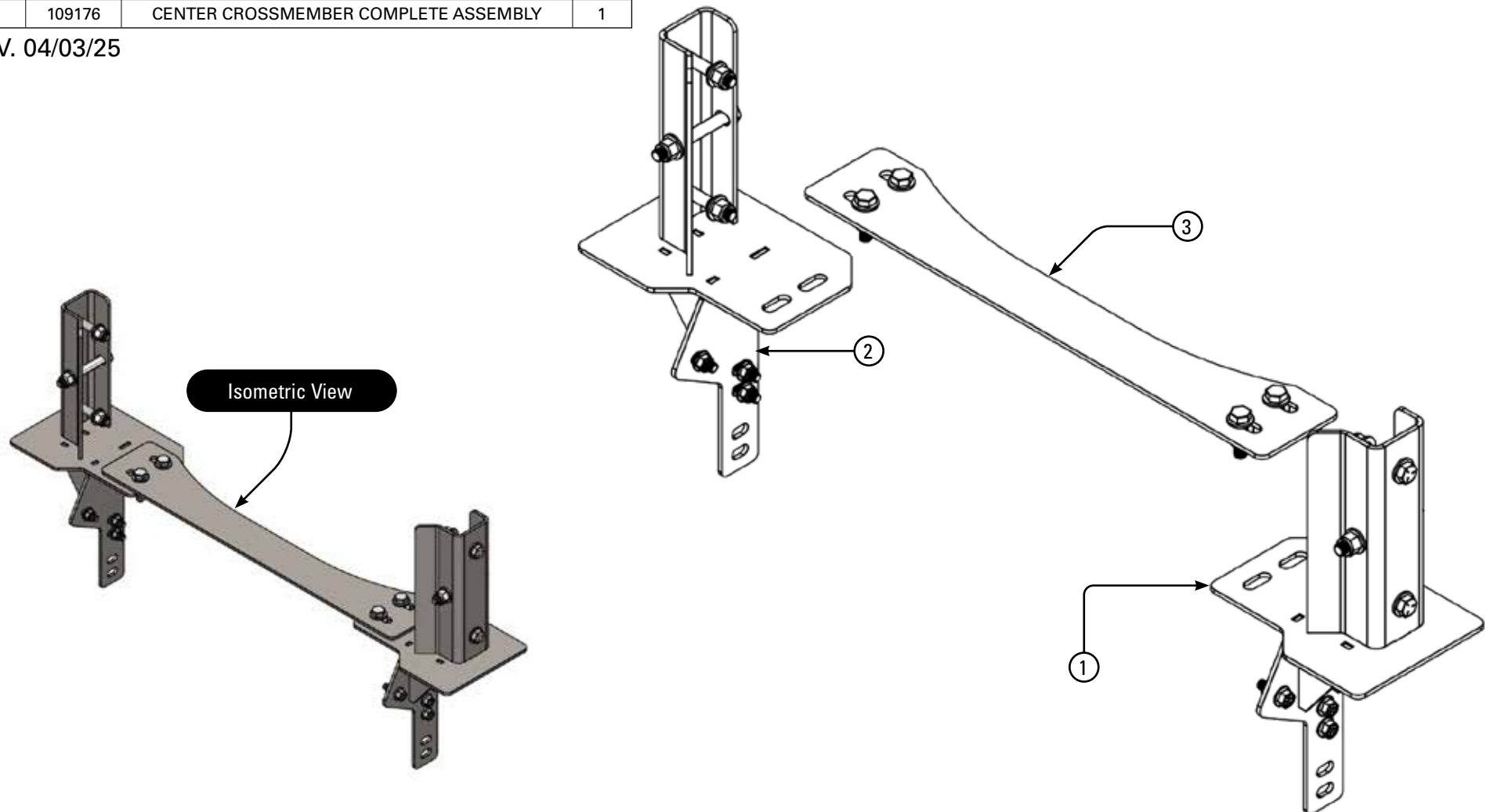
INSTALLATION INSTRUCTIONS

Section 2.B.i: Ram - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109174	FRAME BRACKET - PD COMPLETE ASSEMBLY	1
2	109175	FRAME BRACKET - DS COMPLETE ASSEMBLY	1
3	109176	CENTER CROSSMEMBER COMPLETE ASSEMBLY	1

Ram Chassis Mounting Bracket P/#: 109126

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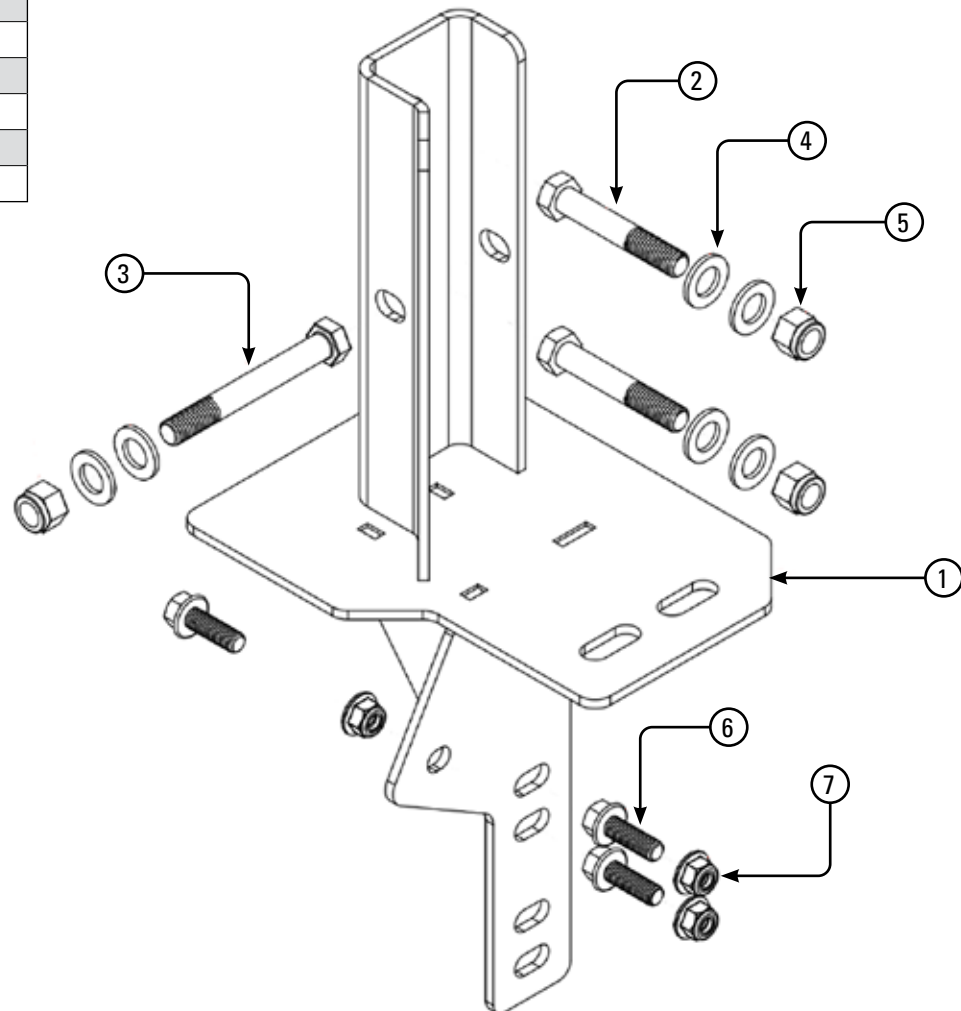
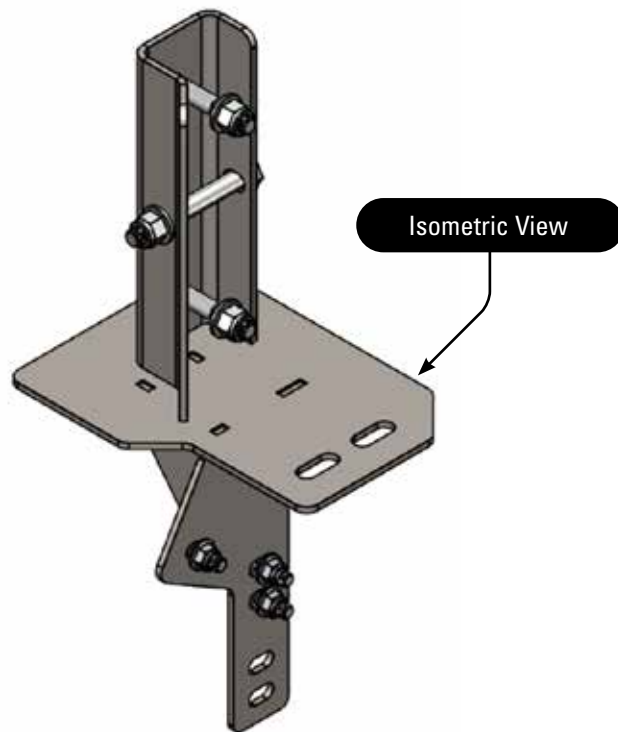
INSTALLATION INSTRUCTIONS

Section 2.B.i: Ram - Diagrams

Ram Driver Side Bracket P/#: 108719

ITEM	PART #	DESCRIPTION	QTY
1	109173	FRAME BRACKET ASSEMBLY WELDMENT - DS	1
2	108894	MEDIUM-STRENGTH GRADE 5 STEEL HEX HEAD SCREW	2
3	100749	BOLT, 5/8" X 5" HEX HEAD, ZINC	1
4	18417	WASHER, 5/8" FLAT SAE, ZINC	6
5	18635	NUT, 5/8" NYLOCK NUT	3
6	104885	BOLT, 1/2"-13 X 1 1/2" FLANGE, HEX HEAD, GRADE 8	3
7	109205	NUT, 1/2"-13 NYLON-INSERT FLANGED LOCKNUT	3

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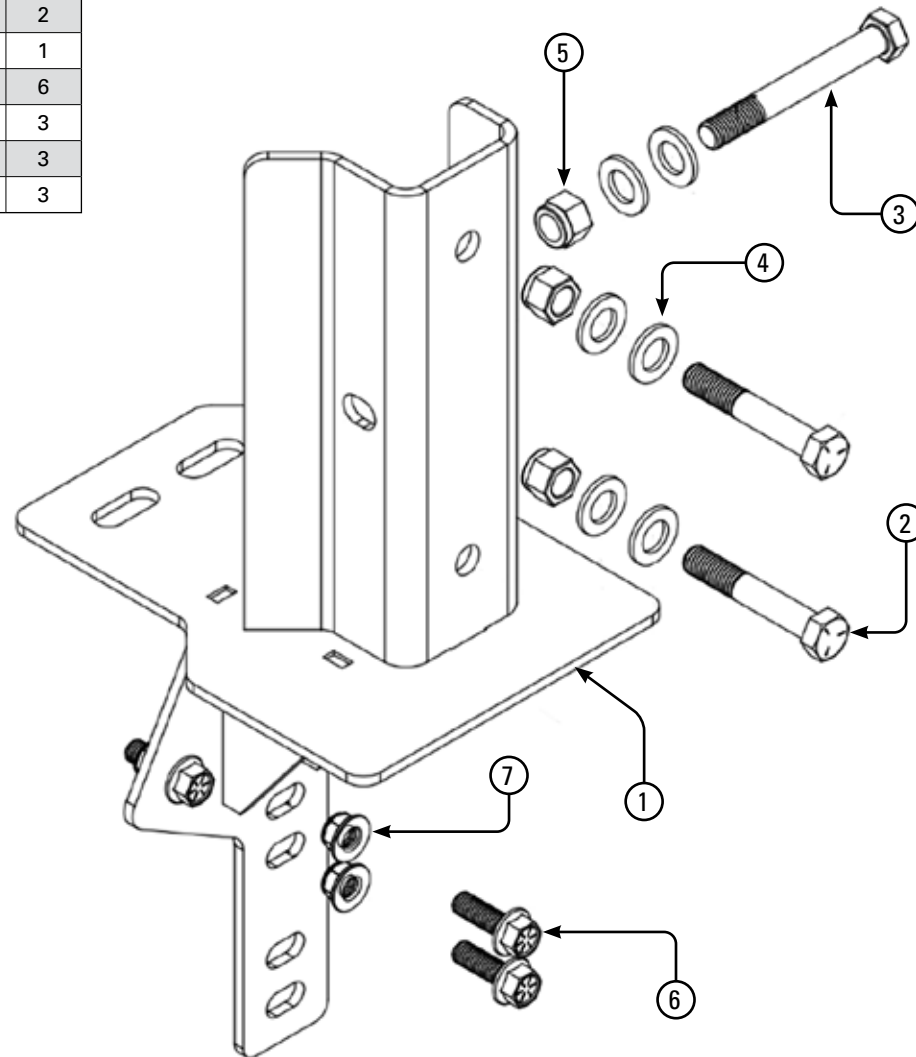
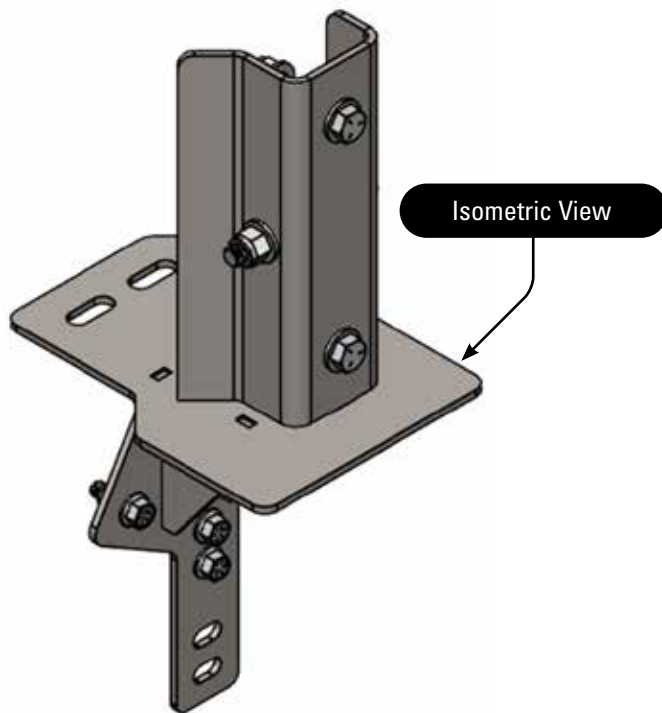
INSTALLATION INSTRUCTIONS

Section 2.B.i: Ram - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109171	FRAME BRACKET ASSEMBLY - PS	1
2	108894	MEDIUM - STRENGTH GRADE 5 STEEL HEX HEAD SCREW	2
3	100749	BOLT, 5/8" X 5" HEX HEAD, ZINC	1
4	18417	WASHER, 5/8" FLAT SAE, ZINC	6
5	18635	NUT 5/8" NYLOCK NUT	3
6	104885	BOLT, 1/2"-13 X 1 1/2" FLANGE, HEX HEAD, GRADE 8	3
7	109205	NUT, 1/2"-13 NYLOCK, FLANGED, GRADE 8	3

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Ram Passenger Side Bracket P/#: 109174



INSTALLATION INSTRUCTIONS

Section 2.B.ii: Ram - Installation

Drivers Side Mounting Bracket

Fig. 3



Step 1: Place Drivers Side Bracket (P/# 109173) on frame rail to set mounting of the three (3) location using existing holes (Fig. 3).

Step 2: Drill out the two (2) bottom-most available holes for the 1/2" mounting bolts on the driver side bracket using the specified 9/16" drill. If additional holes are necessary or none are available, drill out bottom two (2) holes.

Step 3: Mark the 3rd top hole location using bracket for template and drill 9/16" hole through frame rail for 1/2" mounting bolt. Ensure there are no lines, hoses, or clips on the back side of the rail at the drill location that could be damaged.

Step 4: Repeat on Passenger Side with P/#: 109171

Note: Three (3) bolts secure the driver side tower bracket to vehicle chassis.

Top Hole will need to be marked then drilled through for bolt.

Bottom two (2) Holes are existing and need to be increased to accept through bolts.

Crossmember Installation

Fig. 4



Step 5: Place and attach crossmember (P/# 109125) onto tower leg brackets with four (4) 5/8" bolt (Fig. 4).

Note: Three (3) 5/8" bolts secure the Tower Lower legs to chassis mounting brackets.

Proceed to Section 3.

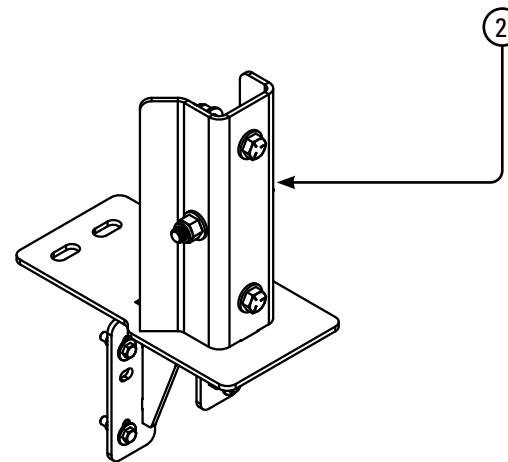
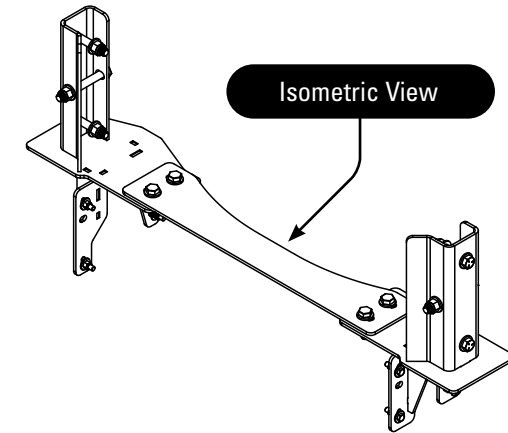
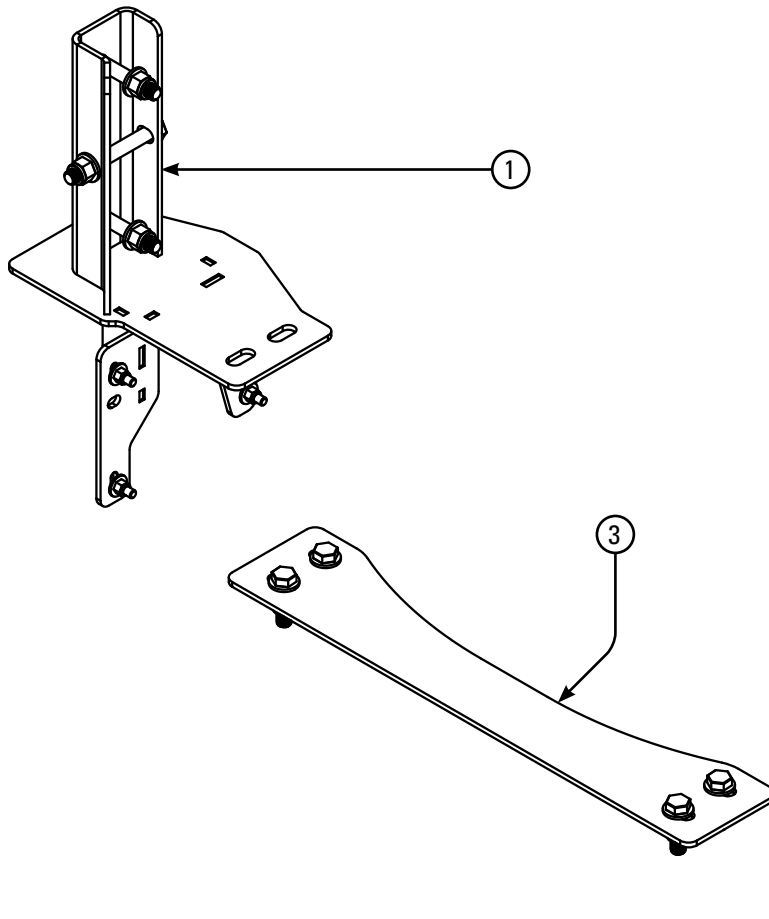
Four (4) bolts secure the crossmember to tower leg bracket.

INSTALLATION INSTRUCTIONS

Section 2.C.i: Isuzu - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109025	FRAME BRACKET - DS COMPLETE ASSY	1
2	109026	FRAME BRACKET - PS COMPLETE ASSY	1
3	109176	CENTER CROSSMEMEBER COMPLETE ASSY	1
4	108824	INSTRUCTIONS, SWITCH-N-GO TOWER ASSY	1

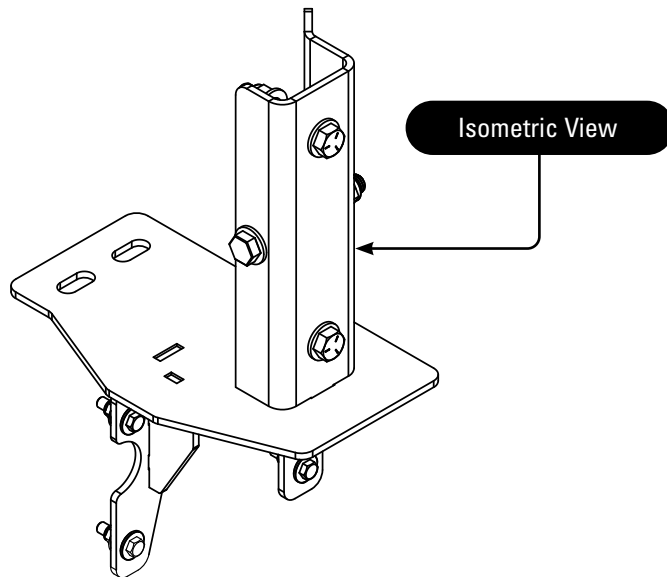
Isuzu Chassis Mounting Bracket P/#: 109061



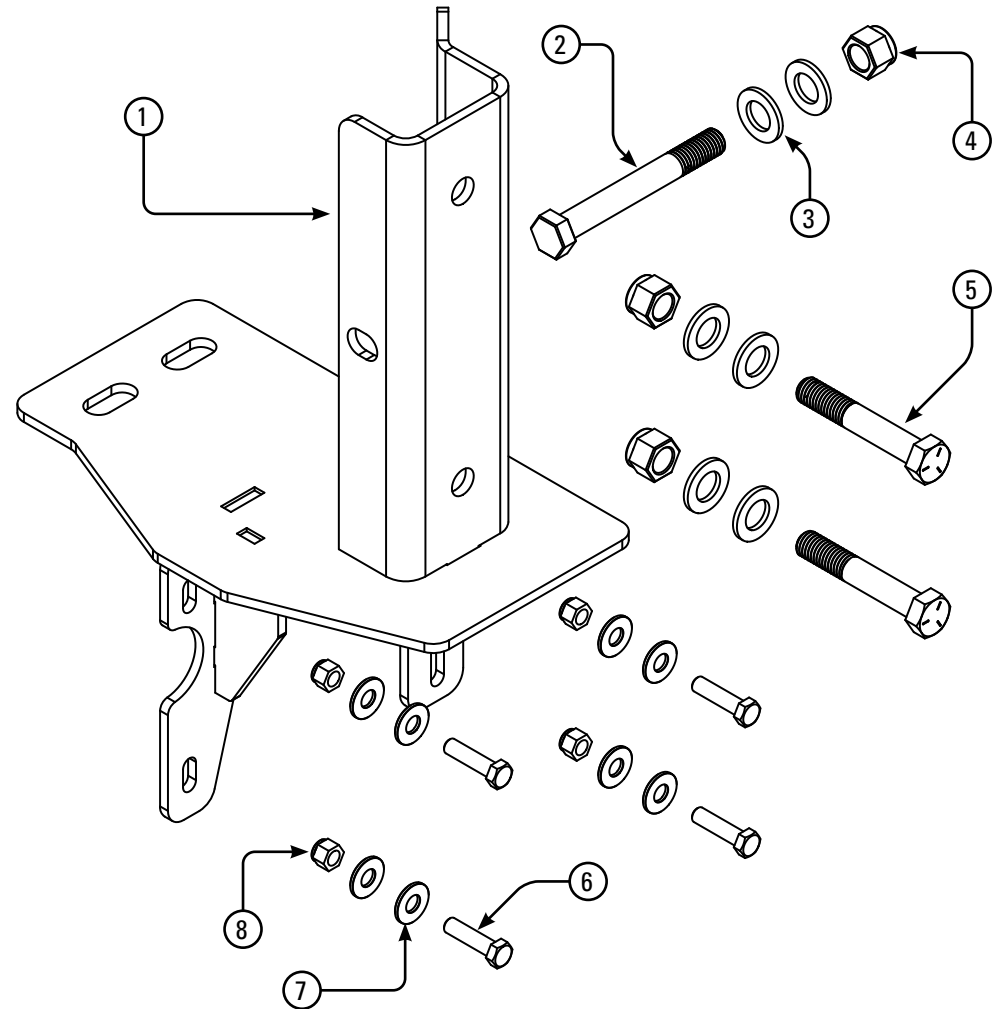
INSTALLATION INSTRUCTIONS

Section 2.C.i: Isuzu - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109280	FRAME BRACKET WELDMENT - DS	1
2	100749	BOLT, 5/8" X 5" HEX HEAD ZINC	1
3	18417	WASHER, 5/8" FLAT SAE, ZINC	6
4	18635	NUT, 5/8" NYLOCK NUT	3
5	108894	MEDIUM-STRENGTH GRADE 5 STEEL HEX HEAD SCREW	2
6	18286	BOLT, 3/8" X 1-1/2" HEX HEAD	4
7	18410	WASHER, W 3/8 USS FLAT ZINC PLATED	8
8	18625	NUT, 3/8" NYLOCK	4



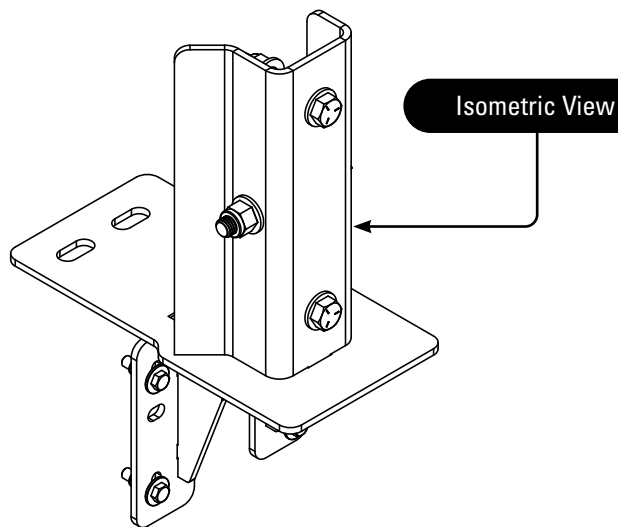
Isuzu Driver Side Mounting Bracket P/#: 109025



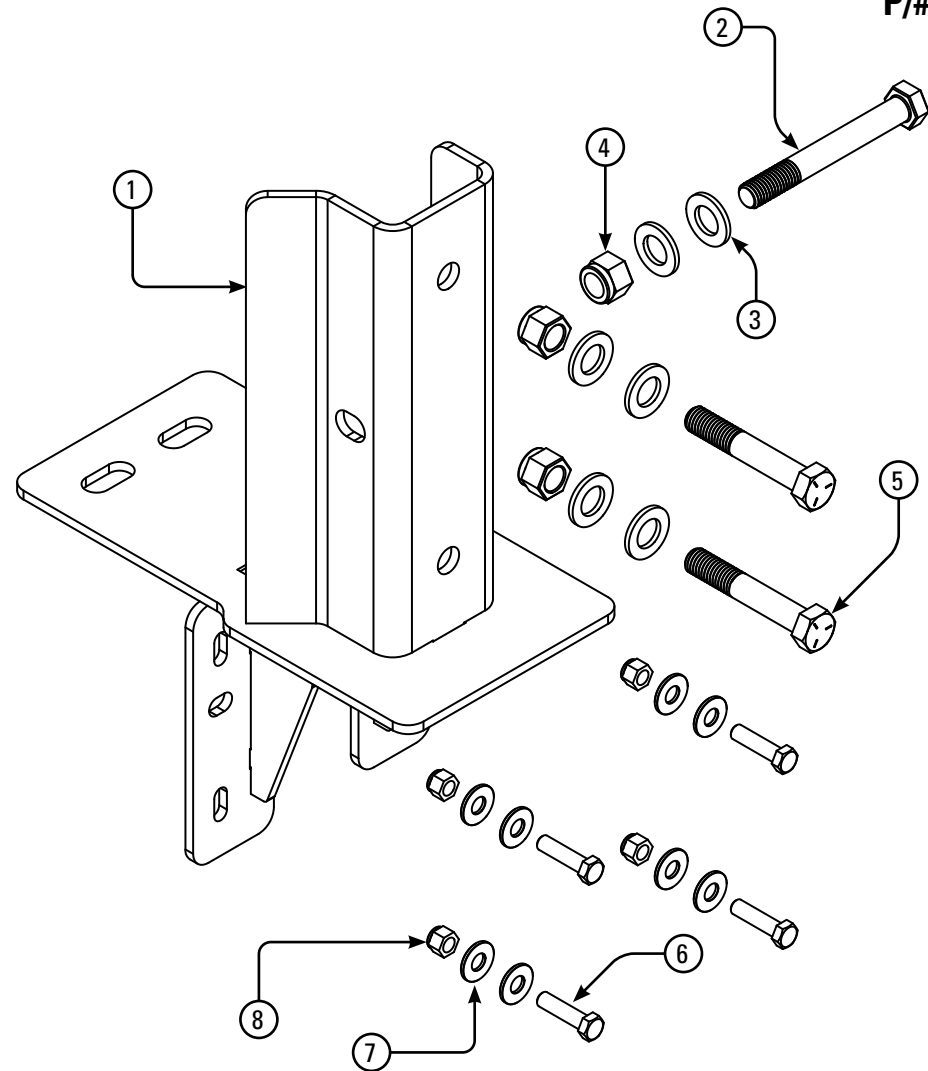
INSTALLATION INSTRUCTIONS

Section 2.C.i: Isuzu - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	1092790	FRAME BRACKET WELDMENT - PS	1
2	100749	BOLT, 5/8" X 5" HEX HEAD ZINC	1
3	18417	WASHER, 5/8" FLAT SAE, ZINC	6
4	18635	NUT, 5/8" NYLOCK NUT	3
5	108894	MEDIUM-STRENGTH GRADE 5 STEEL HEX HEAD SCREW	2
6	18286	BOLT, 3/8" X 1-1/2" HEX HEAD	4
7	18410	WASHER, W 3/8 USS FLAT ZINC PLATED	8
8	18625	NUT, 3/8" NYLOCK	4



Isuzu Passenger Side Mounting Bracket P/#: 109026





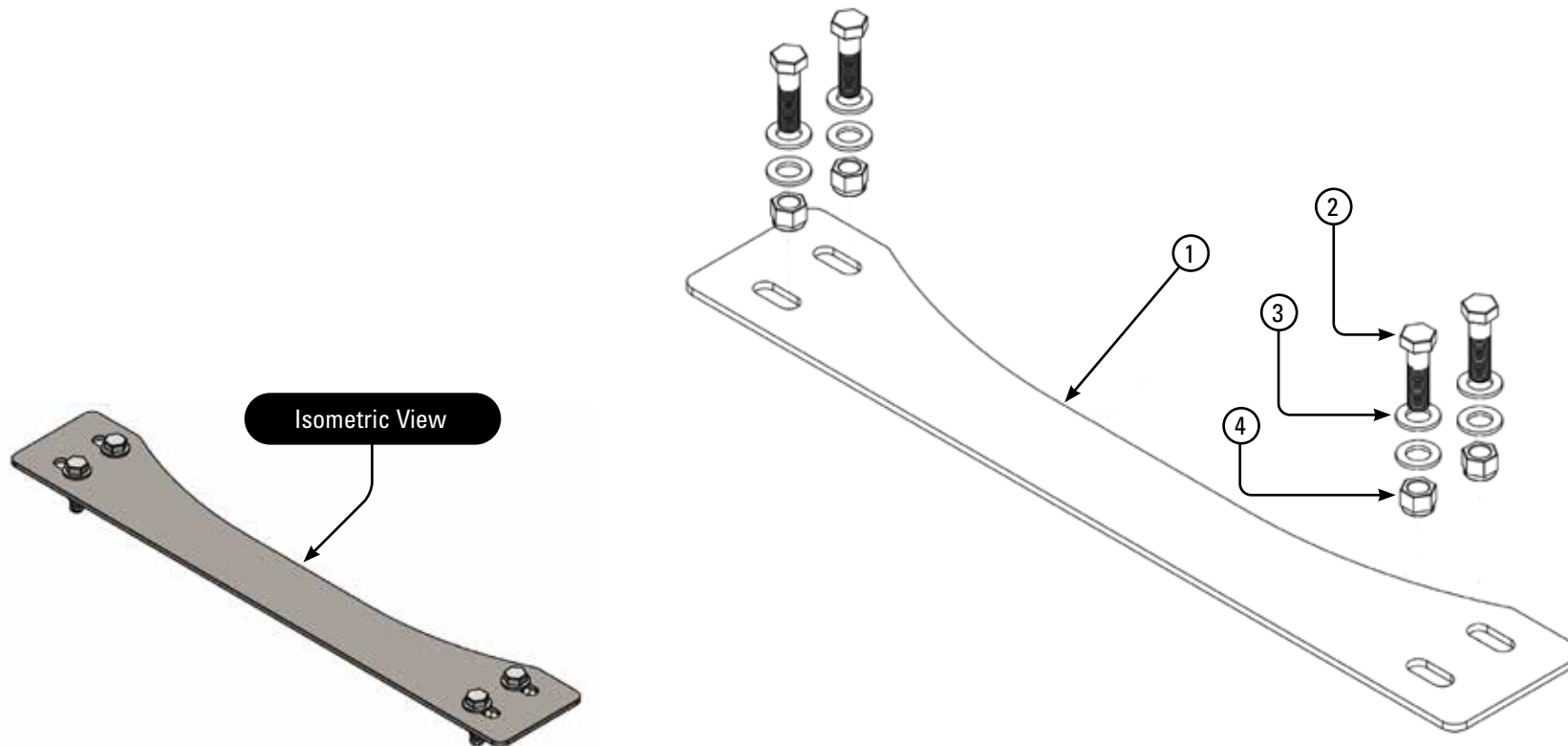
INSTALLATION INSTRUCTIONS

Section 2.C.i: Isuzu - Diagrams

Isuzu Center Crossmember P/#: 109176

ITEM	PART #	DESCRIPTION	QTY
1	109125	BRACKET CROSSMEMBER SECTION	1
2	18712	BOLT, 5/8" X 2 1/4" HEAD HEAD	4
3	18417	WASHER, 5/8" FLAT SAE, ZINC	8
4	18635	NUT, 5/8" NYLOCK NUT	4

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INSTALLATION INSTRUCTIONS

Section 2.C.ii: Isuzu - Installation

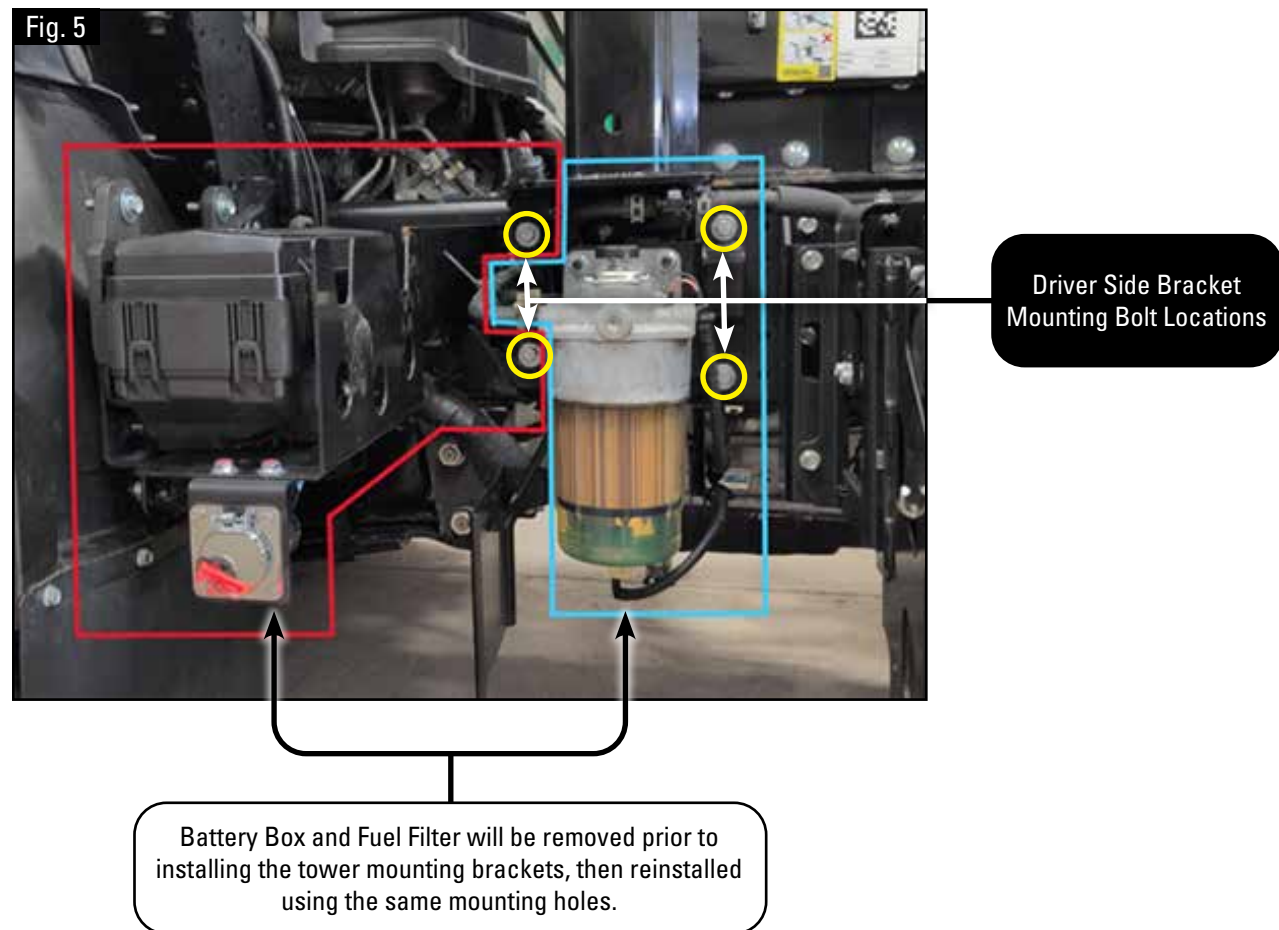
Isuzu Mounting Brackets Drivers Side - Fig. 5

Step 1: Temporarily remove Battery Box and Fuel Filter (Diesel Version)

Step 2: Place Driver Side Mounting Bracket (P/#: 109025), aligning the holes with the chassis.

Step 3: Install 3/8" fasteners through corresponding holes.

Step 4: Reinstall OEM brackets over top of mounting bracket.

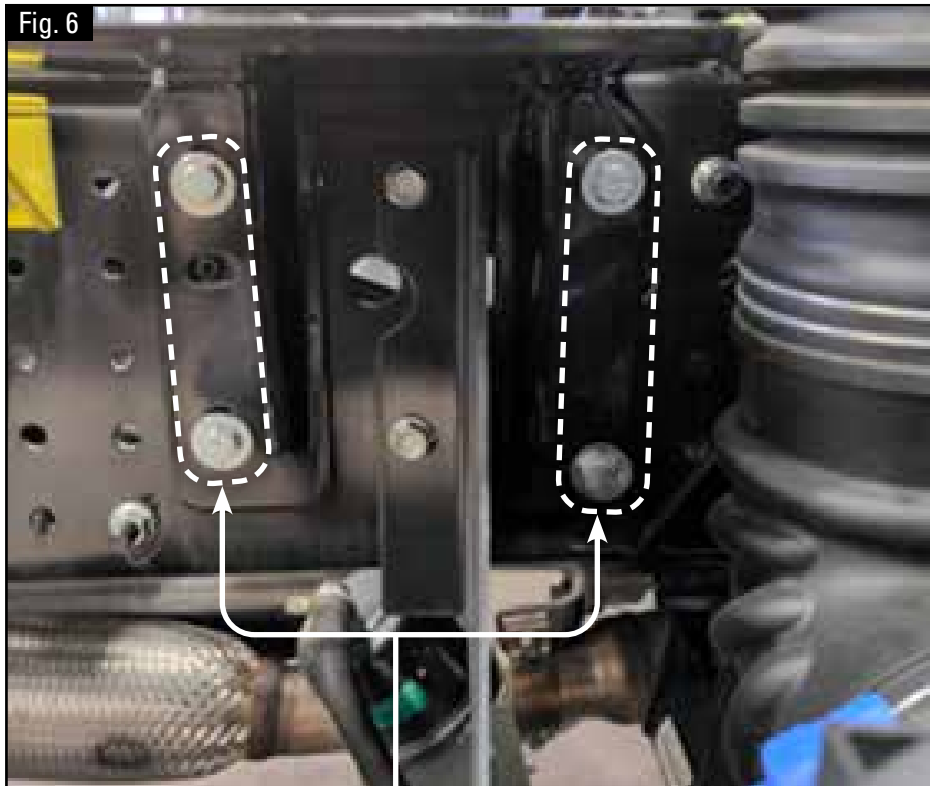


INSTALLATION INSTRUCTIONS

Section 2.C.ii: Isuzu - Installation

Passenger Side Mounting Bracket

Fig. 6



Passenger Side Bracket
Mounting Bolt Locations

Step 5: Place the Passenger Side Bracket on the frame rail using the four (4) existing bolt hole locations for mounting on the chassis (Fig. 6).

Step 6: Ensure there is no lines, hoses, or clips on the back side of the rail at the drill location that could be damaged.

Crossmember Installation

Fig. 7



Step 7: Place and attach crossmember onto tower leg brackets with four (4) 5/8" bolt (Fig. 7).

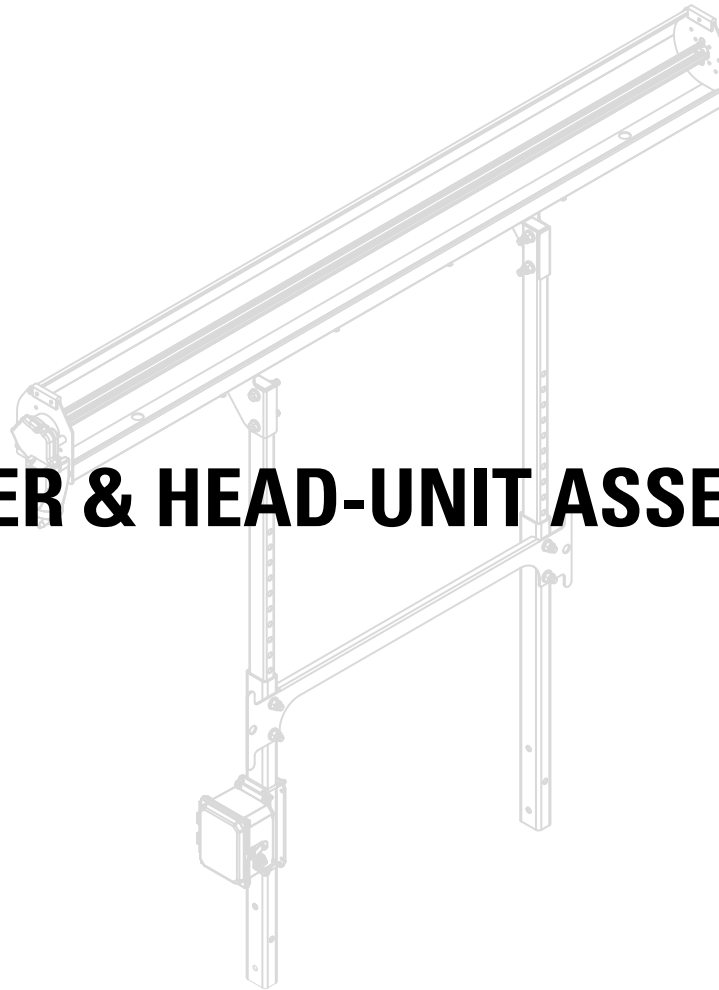
Note: Three (3) 5/8" bolts secure the Tower Lower legs to chassis mounting brackets.

Proceed to Section 3.

Four (4) bolts secure the crossmember to tower leg bracket.



TOWER & HEAD-UNIT ASSEMBLY





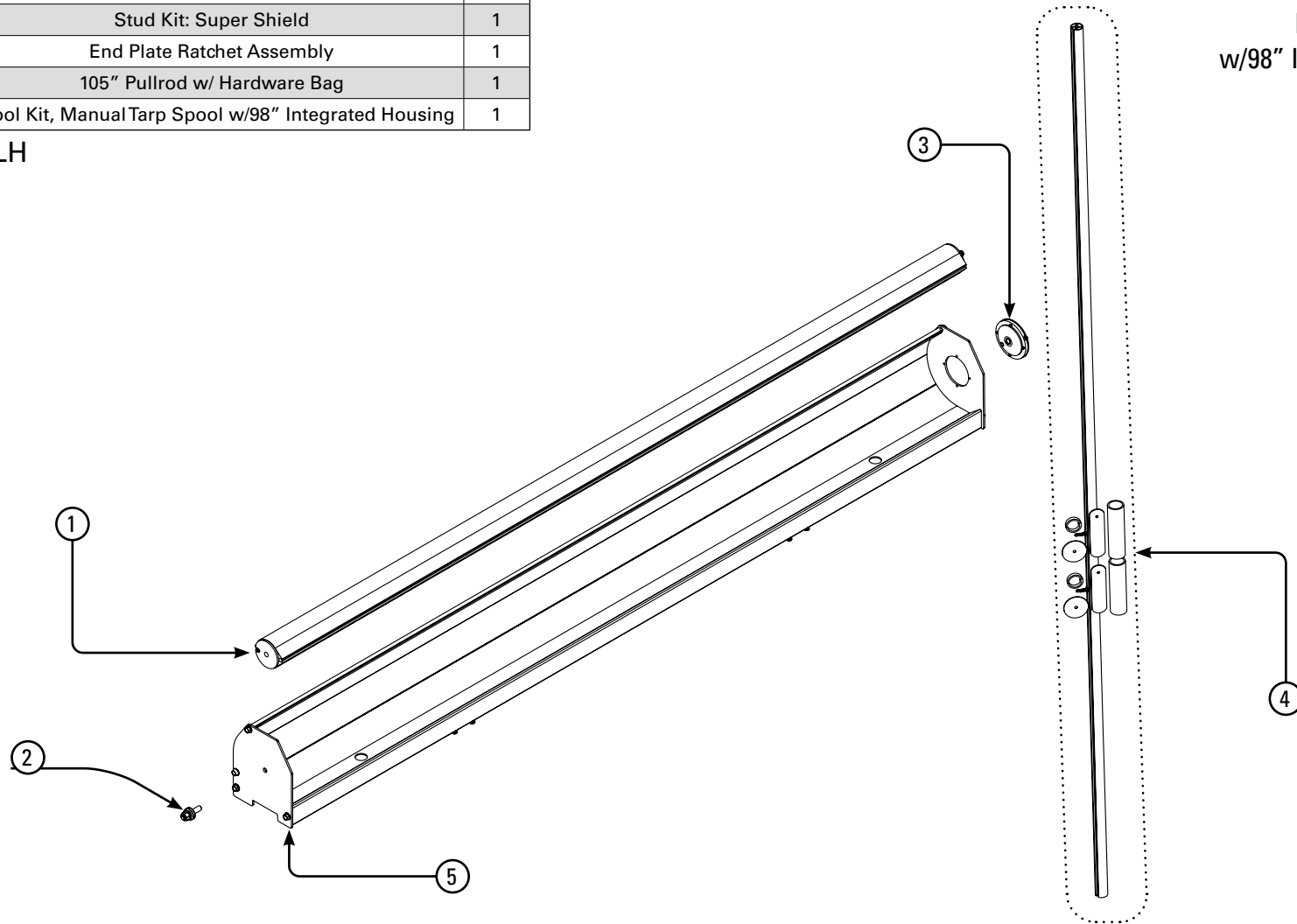
INSTALLATION INSTRUCTIONS

Section 3.i: Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	108539	Aluminum Spring Roller	1
2	501-0632	Stud Kit: Super Shield	1
3	501-0630	End Plate Ratchet Assembly	1
4	501-0420	105" Pullrod w/ Hardware Bag	1
5	108068	Spool Kit, Manual Tarp Spool w/98" Integrated Housing	1

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Spool Kit
P/#: 108063
Manual Tarp Spool
w/98" Integrated Housing

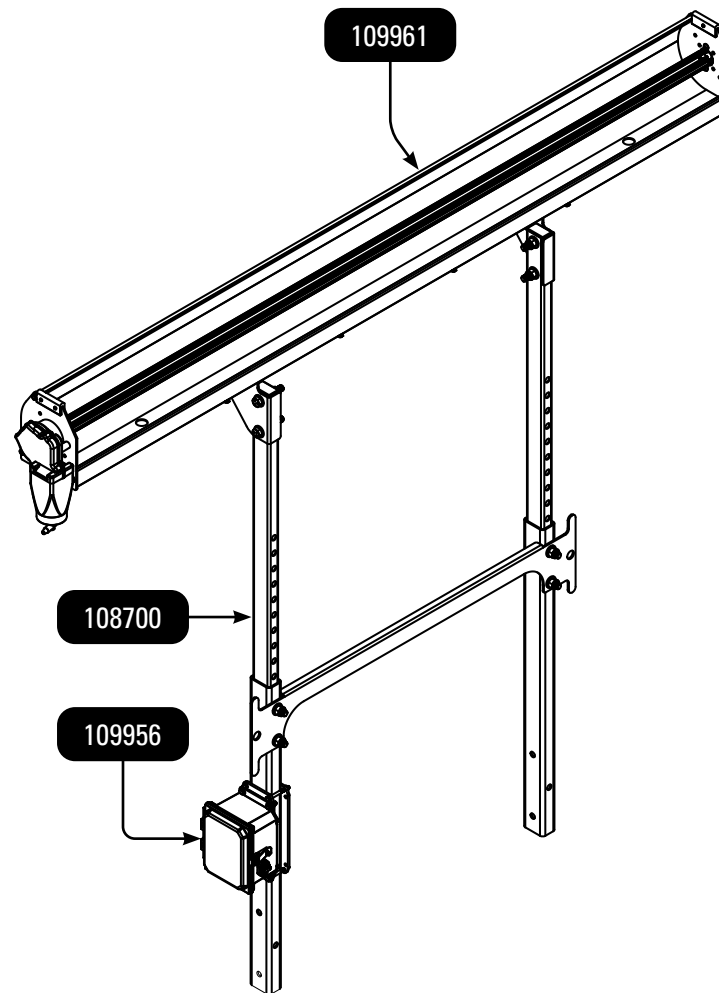


INSTALLATION INSTRUCTIONS

Section 3.i: Diagrams

- Overview of contactor kit attached to tower leg with compatible electrically driven head-unit.
 - » #109956 is a sub-assembly of #109959

New Contactor Kit attached to Tower w/ Electric Head-Unit



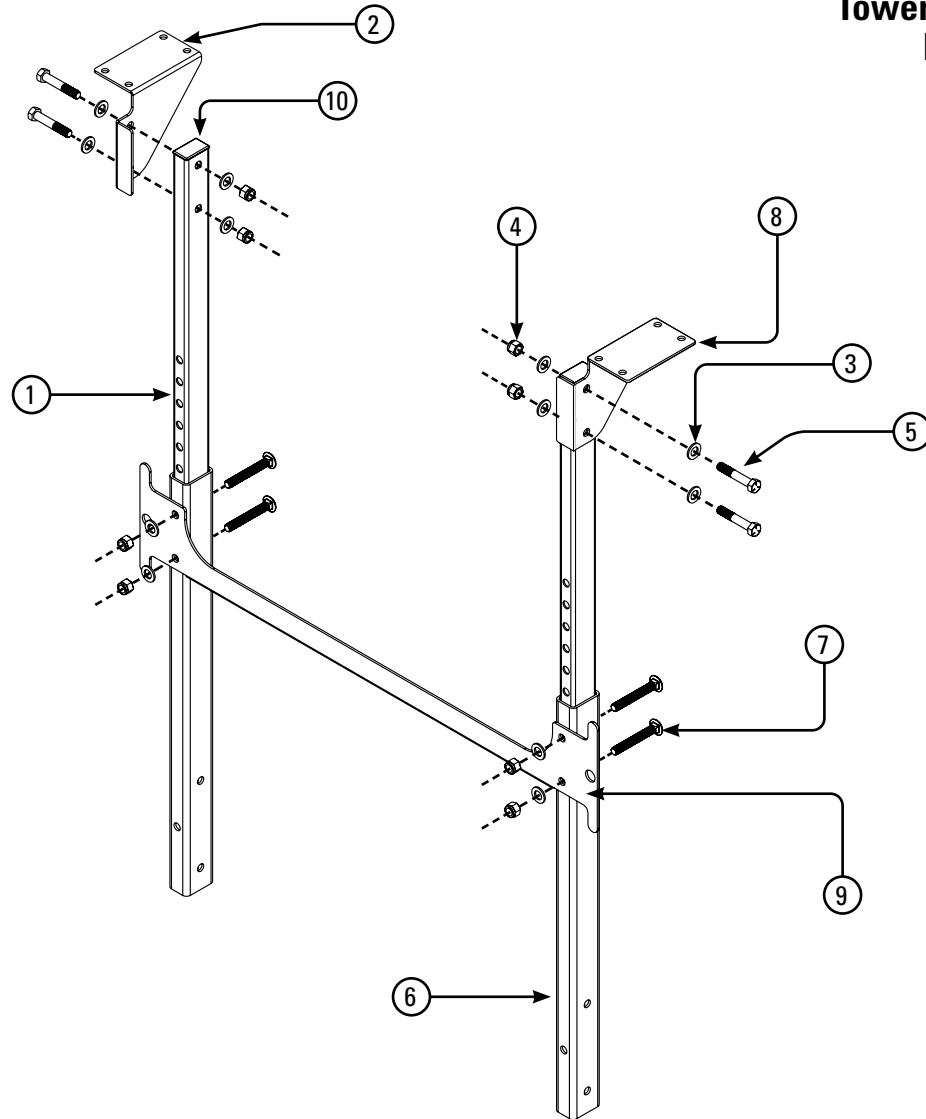


INSTALLATION INSTRUCTIONS

Section 3.i: Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	108698	Upper Tower Steel Tube	2
2	108701	Tower Upper Offset Bracket	1
3	18417	Washer, 5/8" Flat SAE, Zinc	12
4	18587	Nut, 5/8"-11 Nylock - Grade 8	8
5	503-6201	5/8-11X 3 1/2 UNC Bolt, Grade 5, Updated	4
6	108699	Lower Tower Steel Tube	2
7	108727	Grade 5 Steel Square-Neck Carriage Bolt Zinc	4
8	108702	Tower Upper Offset Bracket	1
9	108704	Tower Cross Support	1
10	108733	Rectangular Plugs 1.5 x 2.5	2

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**Tower Assembly
P/#: 108700**

Installing the Tower to the Custom Head-Set

Fig. 8



Step 1: The stationary tower is held to the custom head-set by (3) 5/8-11x4.5" bolts (Fig. 8).

Step 2: The legs of the stationary tower can be installed individually or if there is the availability of an overhead crane the tower can be fully assembled and lifted to the mounts and installed.

Note A: If an overhead crane is available the tower assembly and headset can be fully assembled on the ground and hoisted to position the tower legs to the custom bracket.

Note B: Repeat steps for opposite side of head-set.

Three Mounting Bolts securing tower leg to custom Head-Set

INSTALLATION INSTRUCTIONS

Section 3.ii: Installation

Installing Head-Set Brackets to Tower Legs

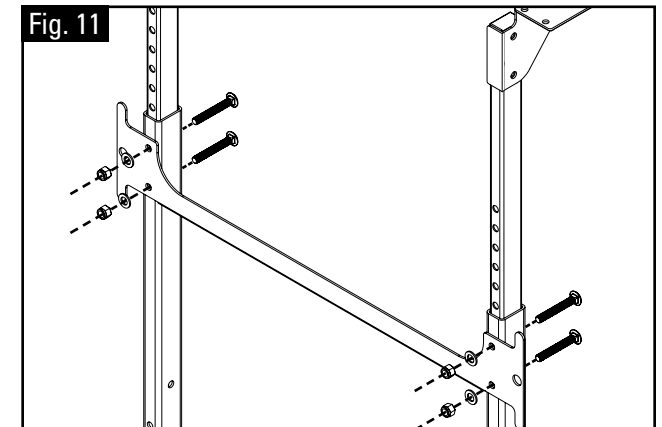
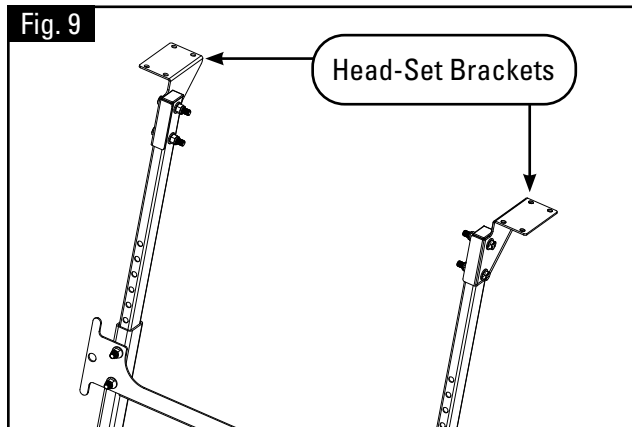
Step 1: Head-Set brackets are affixed to the tower legs by (2) 5/8-11x3.5" bolts. Attach Head-Set Brackets to tower legs (Fig. 9).

Note 1: Loosely hand-tighten remaining fasteners until Step 5.

Note 2: Steps 2-4 can be completed in any order depending on manning and equipment available.

Step 2: The Stationary Tower has predrilled holes in the legs that allow you to set the height of the tower assembly and then lock in place with (4) carriage bolts. Position the upper tower legs so that the top of the head-set brackets are about parallel with where the top of the container is/will be. The proper height of the tower will allow the headset with tarp to be positioned just above the top of the container (Fig. 10).

Step 3: Once the height is correct, install the (4) 5/8" carriage bolts through the base tube and tower leg. Then mount the Cross Member to the lower legs. This sets the height of the tower (Fig. 11).



Step 4: The headset will install to the Head-Set Brackets with (8) 1/2" T-Bolts that are in the bottom side of the housing (Fig. 10). These T-Bolts will slide side to side to align with the (4) holes in the Head-Set Brackets. Attach headset to both sides and loosely hand-thread nuts.

Step 5: Center Head-unit and torque all hand-tightened bolts to the specifications shown on Page 2.

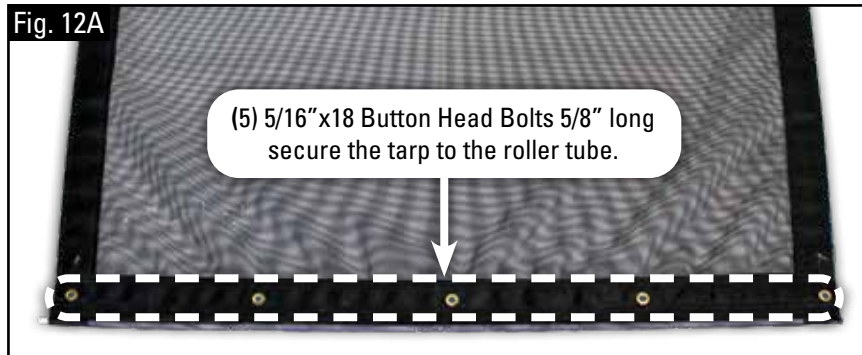
Note 3: If installing an electrically operated system, it may be beneficial to install the High-Amp Contactor Kit (**Section 6B**) before proceeding.

INSTALLATION INSTRUCTIONS

Section 3.ii: Installation

Installing the Tarp

(Option 1) Step 1: Attach the five (5) 5/16"x18 Button Head Bolts through the grommets and into the Threaded Groove slot of the roller tube (Fig. 12A & B).



Step 2: Center the tarp on the roller tube and tighten bolts to secure tarp (Fig. 13).



Note: If installing arms, proceed to Section 4.

(Option 2) Step 1: Install the tarp by aligning the Roller Tube groove with the Slot in the Housing (Opposite of the Ratchet Plate). Take the end of the tarp with the Hemtube and insert in to the system housing (Fig. 14).



Step 2: Carefully slide the tarp through the Keder Groove until centered (Fig. 15).



Note: If installing arms, proceed to Section 4.

INSTALLATION INSTRUCTIONS

Section 3.ii: Installation

Installing the Pull Bar (If Applicable)

Step 1: With the tarp centered in the roller tube, extend the tarp past the end of the truck body (Fig. 16).

Step 2: With one side of the Pullrod Hardware kit preinstalled, slide the open end of the pullrod on to the tarp. Make sure hemtube fits in slot (Fig. 17A & B).

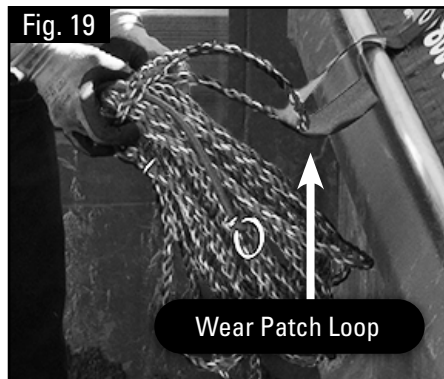
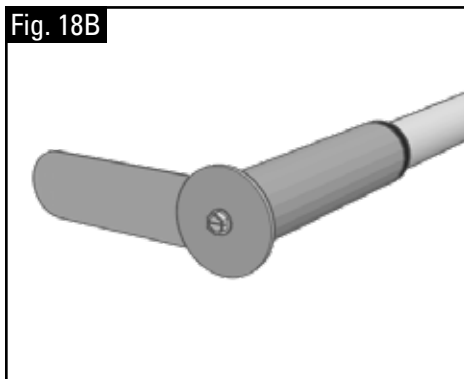
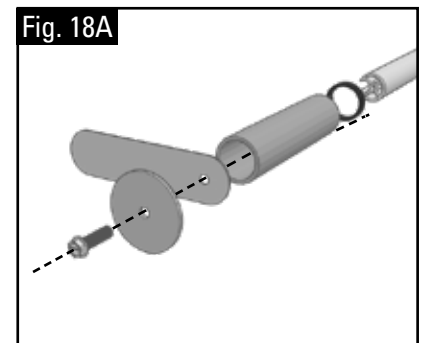
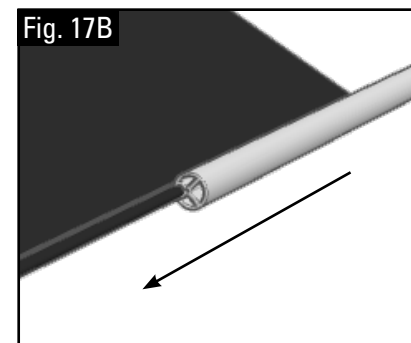
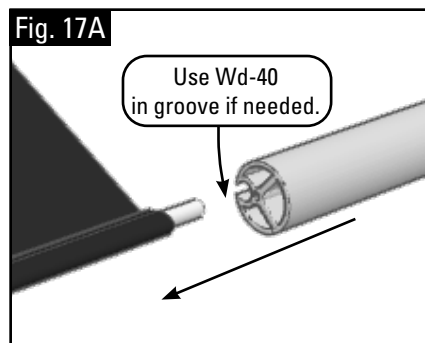
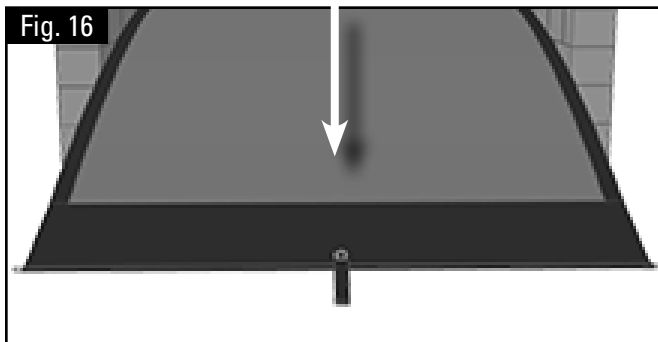
Note: Use WD-40 to lubricate pullrod groove.

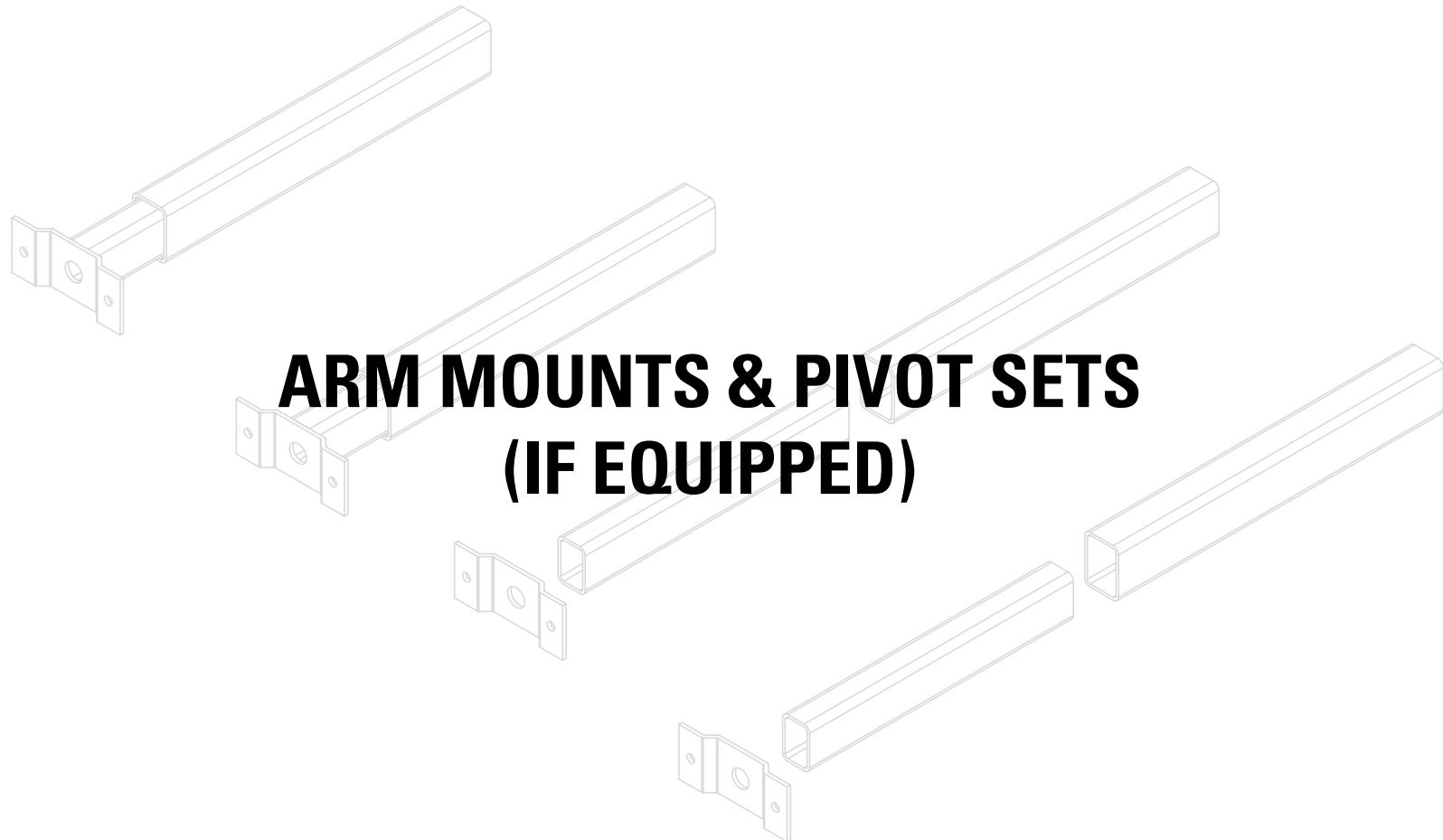
Step 3: With the pullrod installed, now attach the Pullrod Hardware kit and then secure to the pullrod with the provided hardware (Fig. 18A & B).

Step 4: Install the Pull Rope through the Wear Patch Loop (Fig. 19).

Step 5: Make sure the tarp is extended all the way and tied off on the rope hooks or other predetermined location at the end of the truck body (Fig. 20). This will allow you to safely set the spring tension in the roller tube.

Note: Proceed to Section 6A: Semi-Automatic Ratchet Operation.





INSTALLATION INSTRUCTIONS

Section 4.A: Arm Mounting Bracket Installation

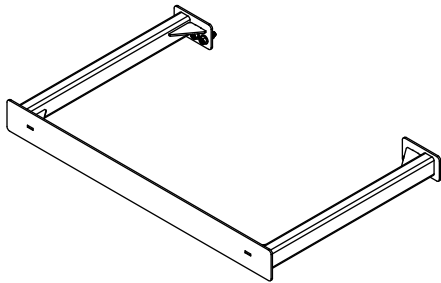
Arm Brackets & Pivot Mounts (Optional)

Note: Before proceeding, load container and set tower to desired height if you have not already done so. It is strongly recommended to load the largest container you intend to use if you will be using multiple containers.

There are 3 ways to fasten arms to vehicle: Direct, SNG brackets or Stand-Off brackets (Fig. 21A, B, C & D).

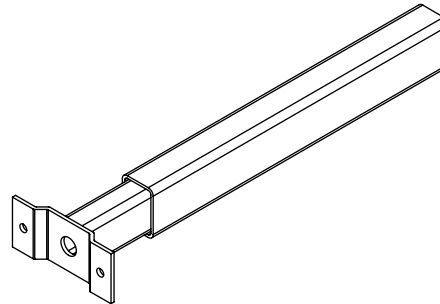
1. None: Fasten pivots directly to vehicle or container when using a permanent container via the same process as the pivot brackets.
2. Switch-N-Go (SNG) Mounting Brackets: Designed to be compatible the SNG's V2 chassis.
3. Stand-Off Mounting Brackets: Can be used for most other situations.

Fig. 21A



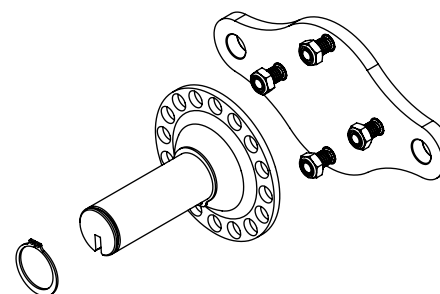
Switch-N-Go Mounting Bracket

Fig. 21B



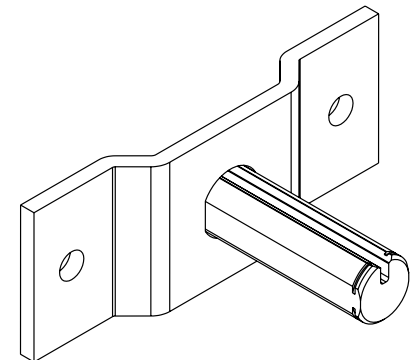
Stand-Off Mounting Bracket

Fig. 21C



Manual System Arm Pivot Mount

Fig. 21D



Electric System Arm Pivot Mount



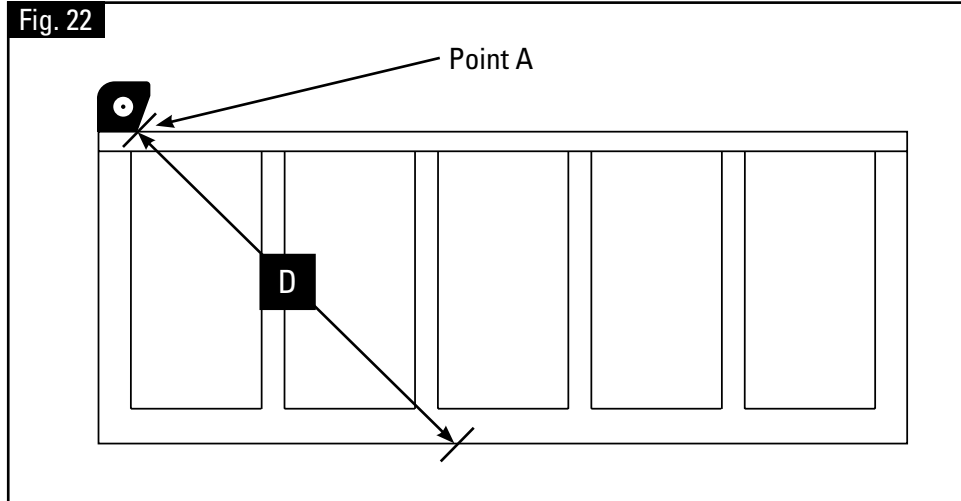
INSTALLATION INSTRUCTIONS

Section 4.A.i: Direct Mounting Installation

Determining the Pivot Point when Direct Mounting

Step 1: Measure from Point “A” to a point close to where you estimate the center to be. Record the measurement “D” and mark the box (Fig. 22).

Fig. 22



Step 2: Measure from Point “B” using the same measurement from Step 1 and mark it (Fig. 23).

Fig. 23

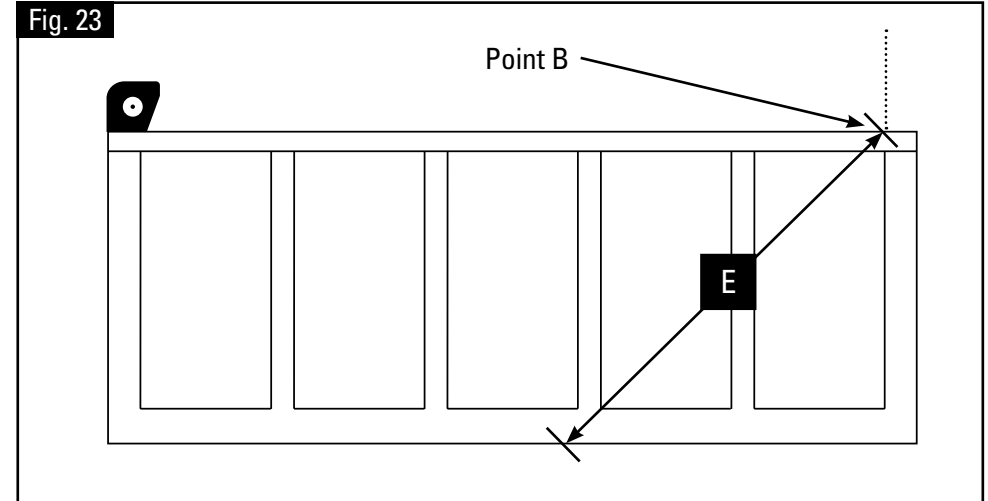
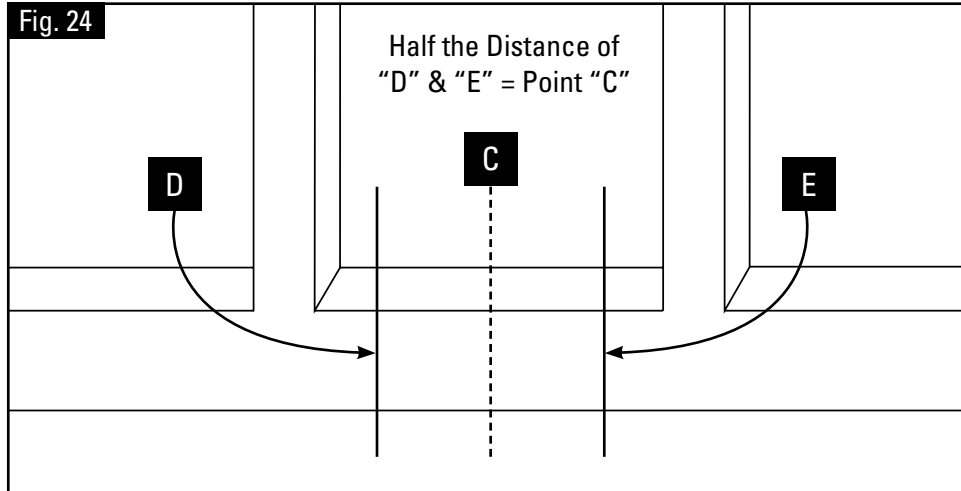


Fig. 24



Step 3: Measure from the first mark “D” to second “E” at the same height, take 1/2 of that measurement and that will determine the pivot (Point C) (Fig. 24).

Measure from the back of the box to the pivot point. Transfer this measurement to the other side of the truck to establish the pivot point.

CAUTION: SOME APPLICATIONS MAY REQUIRE THE PIVOT TO BE LOCATED ABOVE THE LOWER EDGE OF THE BODY.



PRODUCT OPTION: Offset Brackets easily offset your pivots to provide clearance for your arms to your truck or trailer.

INSTALLATION INSTRUCTIONS

Section 4.A.i: Direct Mounting Installation

Determining the Pivot Point when Direct Mounting

Step 4: Measure from Point "A" to Point "C" (Fig. 25). This measurement = "F".

CAUTION: If the pivot is mounted too low, the arms will become too short to cover the body.

Fig. 25

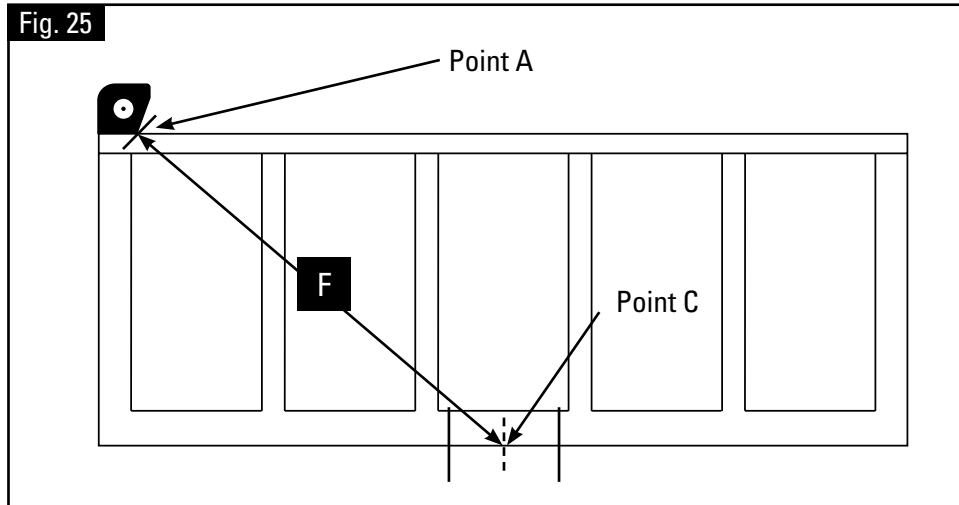
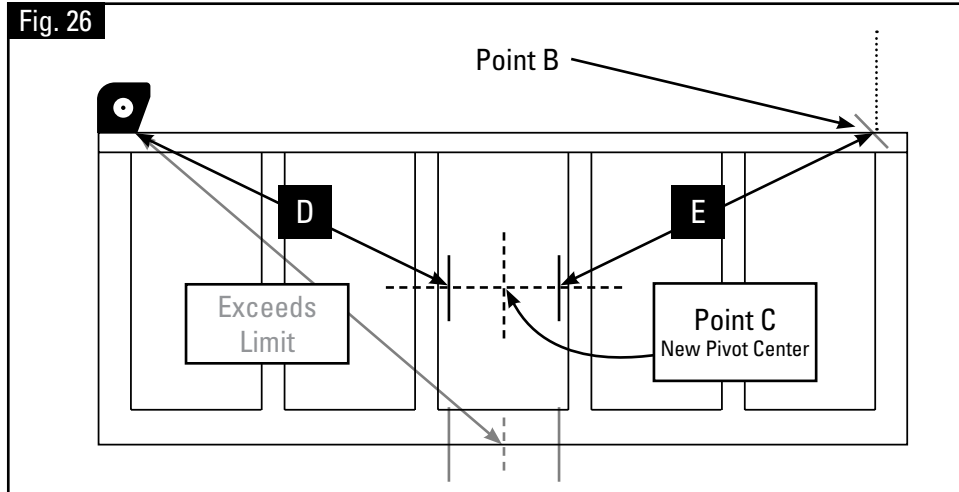
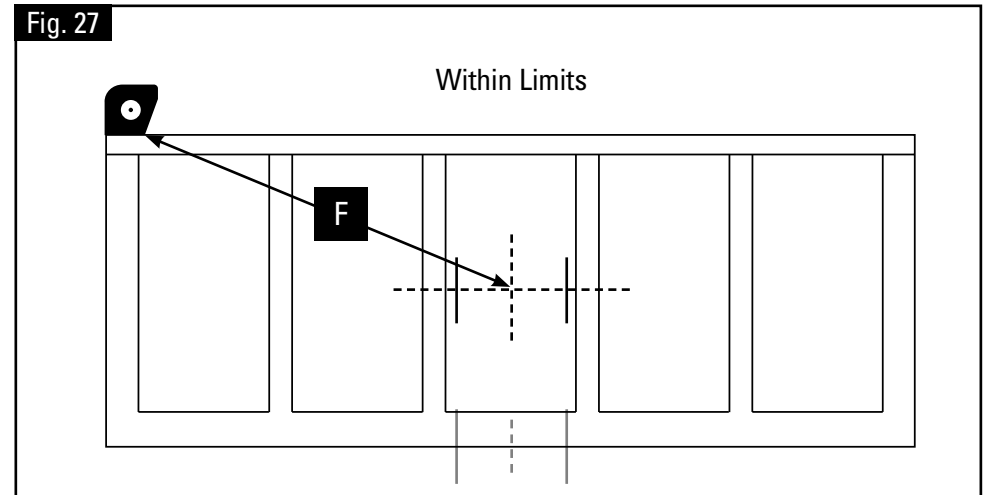


Fig. 26



Step 5: Relocate pivot higher up on the body as necessary and find the new pivot center point (Fig. 26 & 27). Repeat Steps 1 & 2 on previous page. When finished, proceed to Section 4B.

Fig. 27

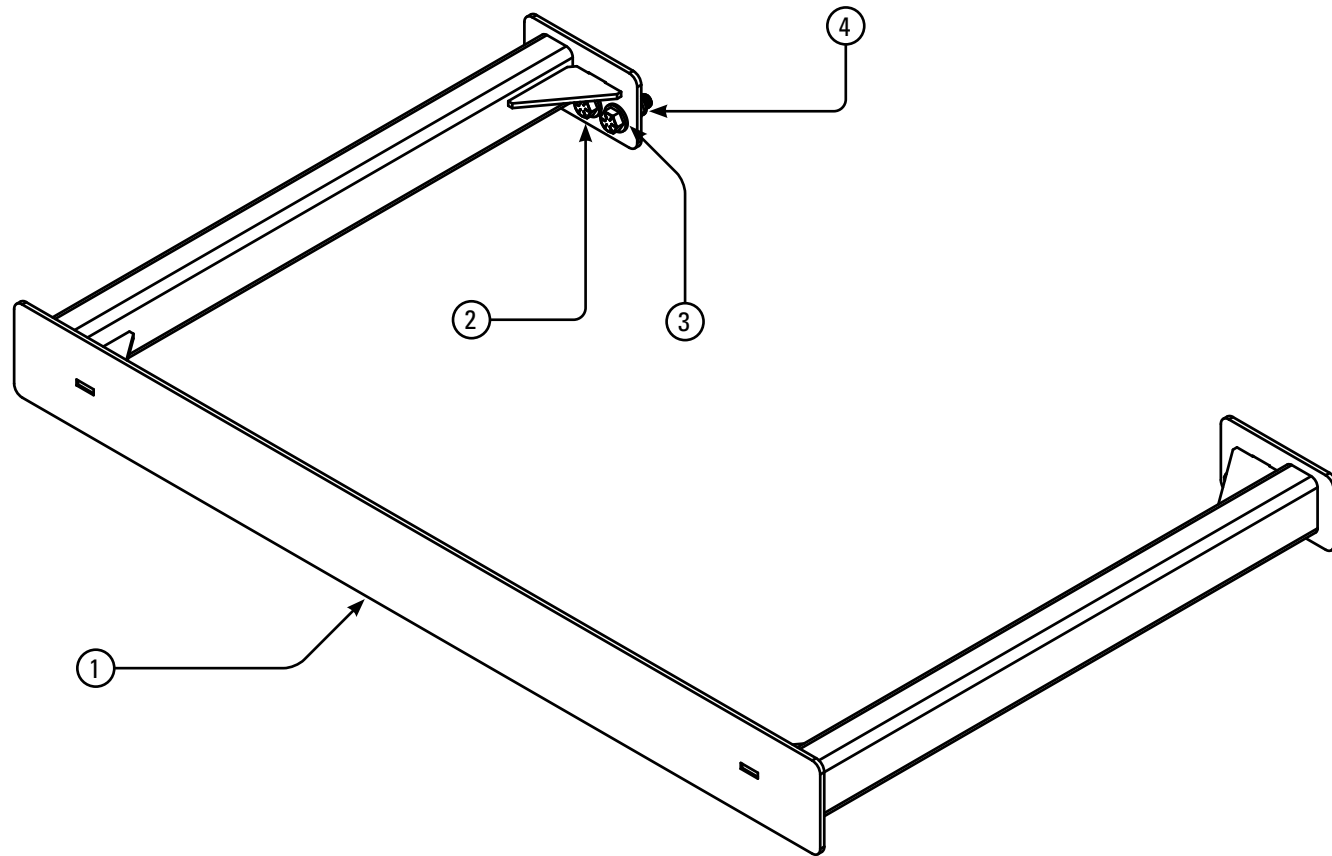


INSTALLATION INSTRUCTIONS

Section 4.A.ii: Switch-N-Go Mounting Bracket Installation

Springless Arm Mount P/#: 109211

ITEM	PART #	DESCRIPTION	QTY
1	109210	Springless Arm Mount (Weldment)	1
2	18738	Bolt, 5/8" x 2" Hex Head Grade 8	4
3	18417	Washer, 5/8" Flat SAE, Zinc	8
4	18587	Nut, 5/8" - 11 Nylock - Grade 8	4



INSTALLATION INSTRUCTIONS

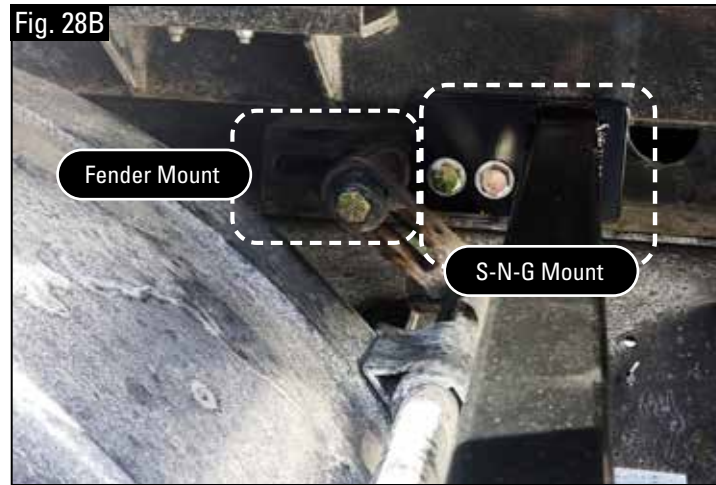
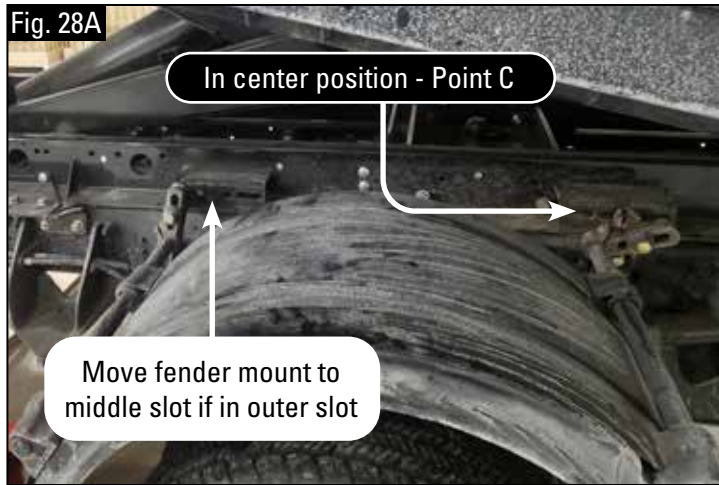
Section 4.A.ii: Switch-N-Go Mounting Bracket Installation

Arm Mounting Brackets for Switch-N-Go

- Compatible with Switch-N-Go's V2 Chassis
 - » Can be used for any system with arms since it mounts directly to SNG's chassis.
- Install in the outermost slots.
 - » May need to make adjustments to fender mount or relocate it to the middle slot if it is not there already to make the arm mounting bracket fit.
- When finished, proceed to Section 4D.

Step 1: The pivots can either be bolted or welded in place, making sure to mount directly over point "C" and insert arm into pivots (Fig. 28A). Using the holes as a guide, drill and bolt in place (Fig. 28B & C).

Step 2: For mounting manual and electric arm pivots, jump to Section 4B.



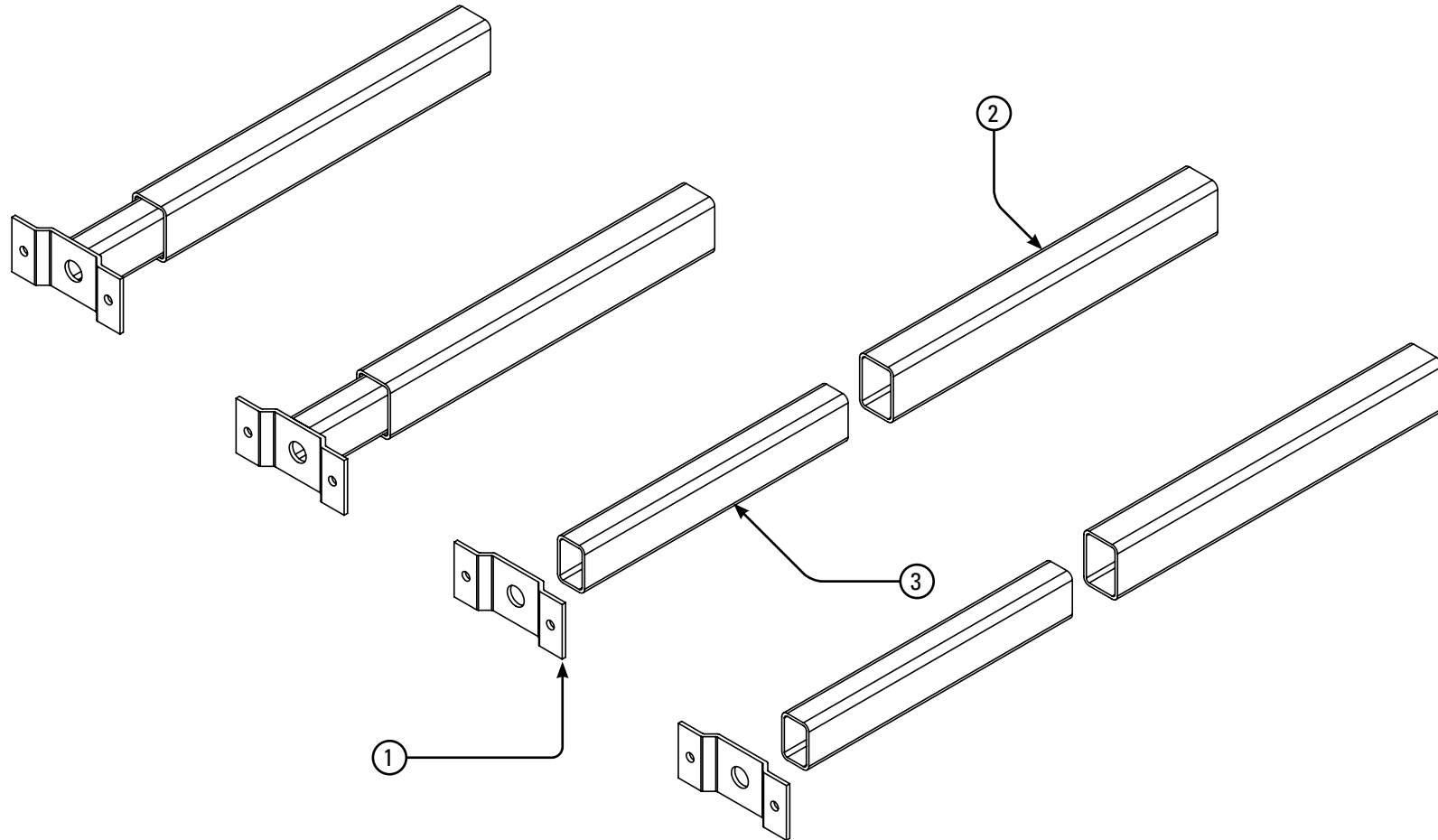
INSTALLATION INSTRUCTIONS

Section 4.A.iii: Stand-Off Bracket Installation

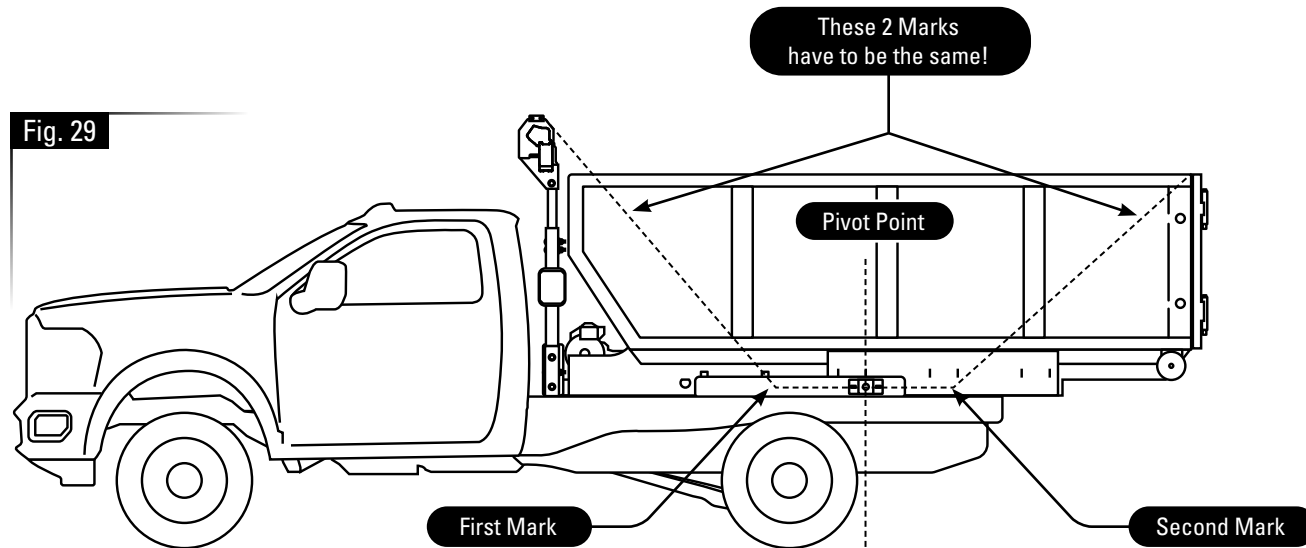
Stand-Off Mounting Bracket P/#: 45170

ITEM	PART #	DESCRIPTION	QTY
1	45300	Plate, Steel Pivot Mounting Plate w/o Pin	2
2	59021	Tubing, 2.5" X 3.5" X 7GA Steel Tube (24")	2
3	59019	Steel Tube 7GA X 2" X 3" X 19.5"	2

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Pivot / Mount Installation



Mounting Bracket Location

In order to correctly complete the next steps, we recommend that you load your largest container to be hauled.

Note: If your tower is adjustable it should be in the lowest position. If you have a stationary tower, be sure it is in the position you want it in and then proceed.

Step 1: Take a measurement from where the tarp will enter the housing to a point that is slightly before the middle of the container and make a mark 3 inches below the top of the tires. **REMEMBER THAT MEASUREMENT.**

Step 2: Measure from the back of the container using the same measurement as the first and make another mark 3 inches below the top of the tires.

Step 3: Measure from the first mark to the second mark, divide that measurement in half and make a mark. This is where the mount needs to be centered (Fig. 29).

Step 4: Double-check the center point by measuring from where the tarp enters the housing to the center point and from the back of the container to the center point. These 2 measurements have to be the same.

INSTALLATION INSTRUCTIONS

Section 4.A.iii: Stand-Off Bracket Installation

Pivot / Mount Installation

Fig. 30

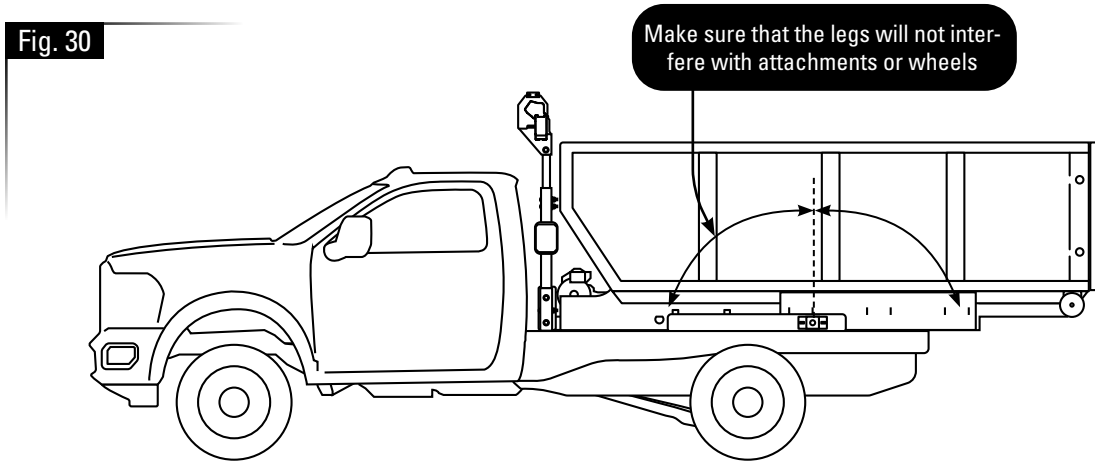
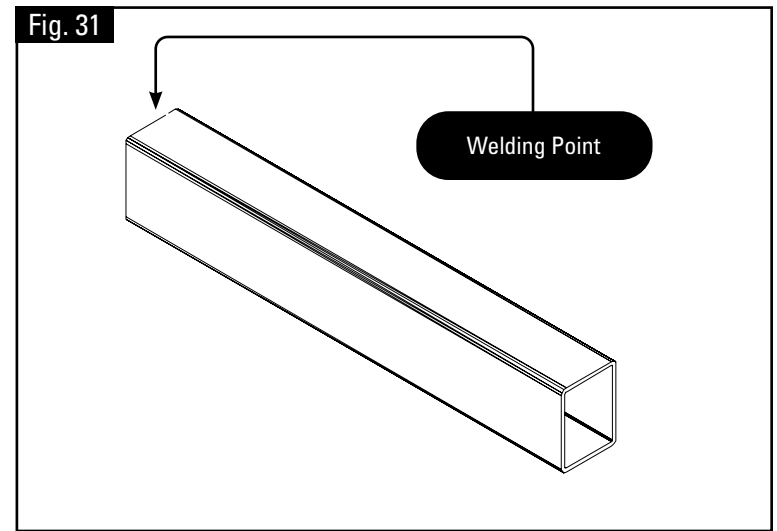


Fig. 31



Step 5: Repeat Steps 1 - 4 on the opposite side of the truck.

Step 6: Double-check that these legs will not interfere with any attachments or wheels, or will in any way affect operation of the vehicle or bed/container assembly. (Fig. 30).

Step 7: If there is not a pad bolted to the frame in this location, center a mounting pad on the mark established for the center point and bolt it to the truck. This is where the pivot point of the system will be.

Step 8: Center the stationary leg on the pad and tack weld it in place.

Step 9: Make sure that it is level and square with the truck and finish welding the leg to the pad (Fig. 31).

Step 10: Repeat the above steps for the opposite side.

INSTALLATION INSTRUCTIONS

Section 4.A.iii: Stand-Off Bracket Installation

Pivot / Adjustable Leg & Pivot Pin Mounting Bracket

Adjustable Leg

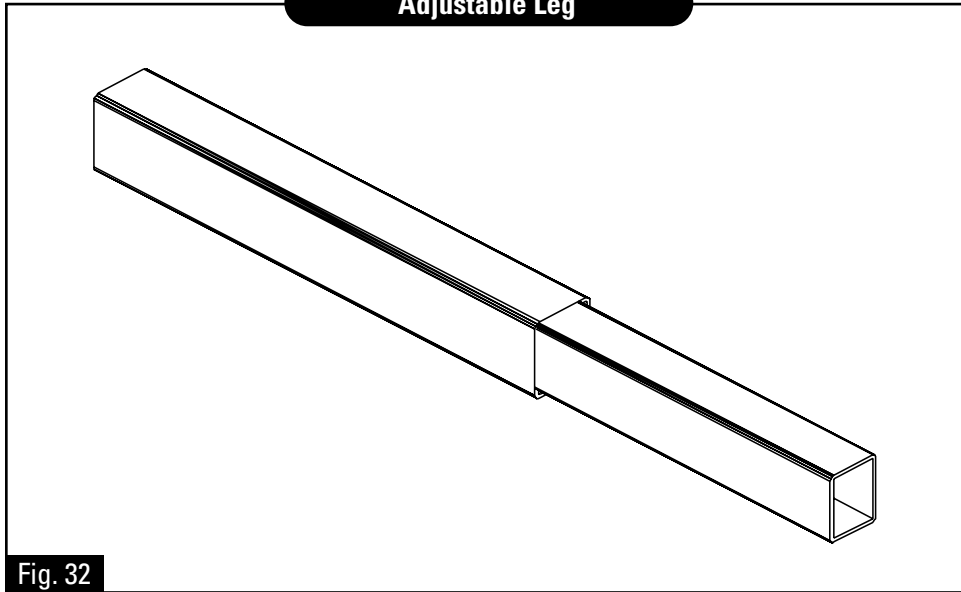


Fig. 32

Step 1: Insert the adjustable leg into the stationary leg.

Step 2: Determine how far the pivot pin is to stick out from the truck by sliding the adjustable leg in or out (Fig. 32).

Step 3: Tack weld the leg in place.

Step 4: Make sure that the leg is adjusted correctly and finish welding the leg.

Step 5: Repeat the above steps for the opposite side.

Pivot Pin Mounting Bracket

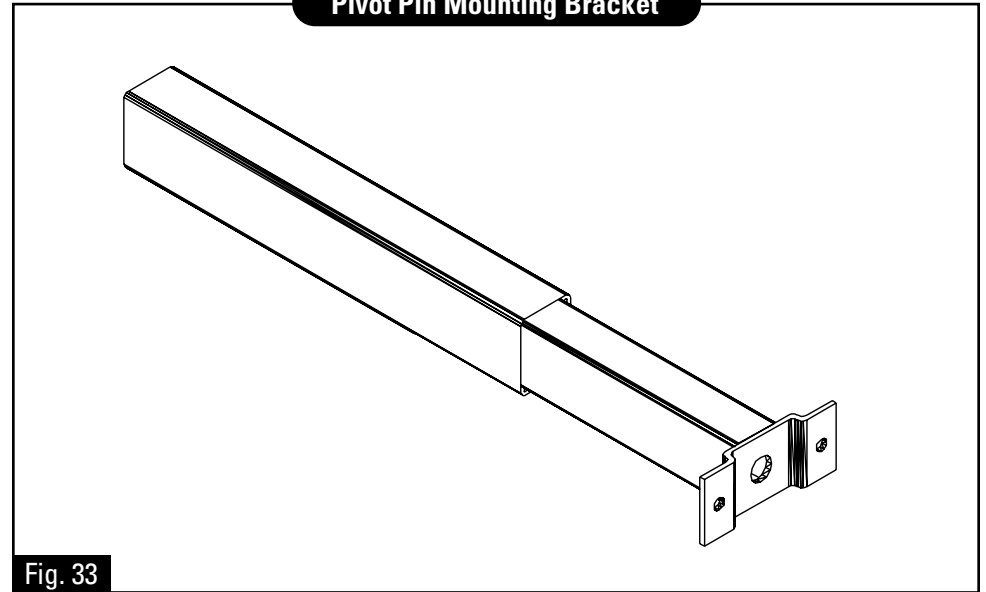


Fig. 33

Step 1: Center the pivot pin mounting bracket on the adjustable leg (Fig. 33).

Step 2: Tack weld the bracket in place.

Step 3: Make sure that the bracket is square with leg and the truck and finish the weld.

Step 4: Repeat the above steps for the opposite side.

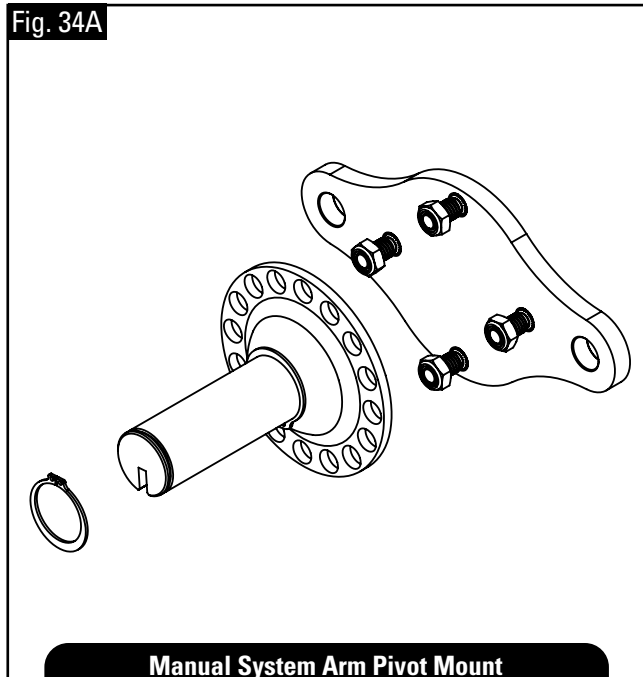
INSTALLATION INSTRUCTIONS

Section 4.B.i: Pivot Sets - Diagrams

Arm Pivot Mounts

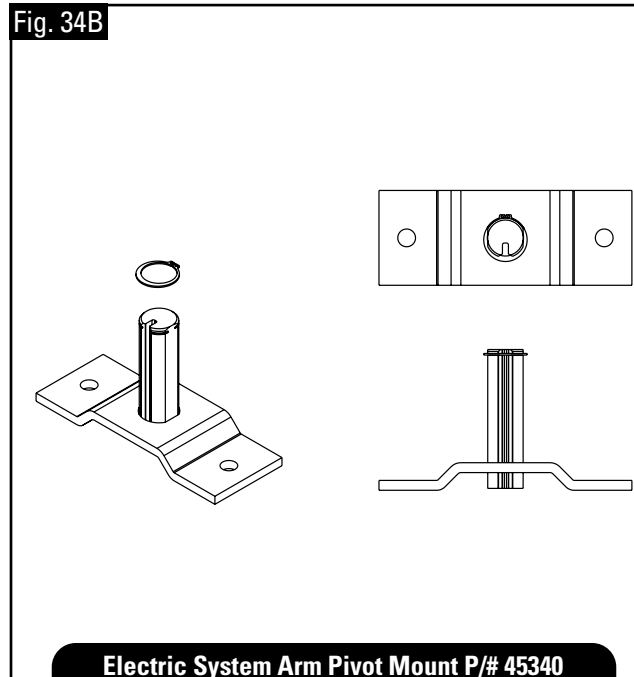
Pivots can either be welded on or bolted (Fig. 34A, B & C).

Fig. 34A



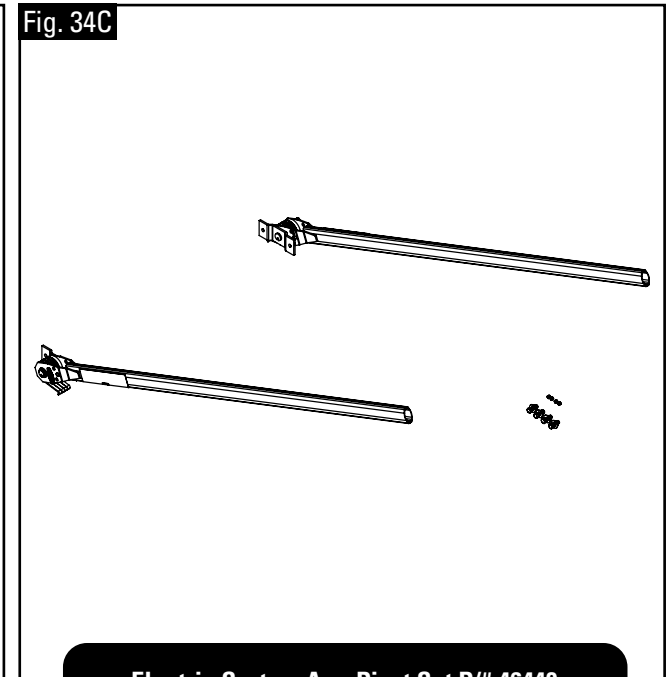
**Manual System Arm Pivot Mount
P/# 45340-HM**

Fig. 34B



**Electric System Arm Pivot Mount P/# 45340
is a subassembly of P/# 46440**

Fig. 34C



Electric System Arm Pivot Set P/# 46440



INSTALLATION INSTRUCTIONS

Section 4.B.ii: Pivot Sets - Installation

Pivot Sets

External Pivots

Step 1: Measure from Point A (Fig. 35 on next page) to a point on the side rail of the box that is close to where the pivot should be mounted. Mark this point and note the distance as Measurement X.

The next step will vary depending on your tarp material and application.

Step 2: Choose from the options below.

- B. If you have a mesh tarp:** Using Measurement X from the previous step, measure from Point B (found in Fig. 36) and make a 2nd mark on the side rail. **Note:** If Measurement X is large enough, the 1st and 2nd mark may be reversed relative to Figure 1. This will not affect the Pivot Point location.
- C. If you have a solid/asphalt tarp:** Using Measurement X from the previous step, measure from Point C, which is 4" inside the tailgate, and make a 2nd mark on the side rail. (Refer to Fig. 46 to determine Point C.)
Note: If Measurement X is large enough, the 1st and 2nd mark may be reversed relative to Fig. 46. This will not affect the Pivot Point location.
- D. If the tarp is to be extended over the tailgate:** Using Measurement X from the previous step, measure from Point D, which is 5" past the tailgate, and make a 2nd mark on the side rail. (Refer to Fig. 46 to determine Point D.)
Note: If Measurement X is large enough, the 1st and 2nd mark may be reversed relative to Fig. 46. This will not affect the Pivot Point location.

Step 3: Divide the distance between the 1st and 2nd mark in half and mark this point as the Pivot Point. Check to see that the distance between the Pivot Point and Point A is the same as the distance between the Pivot Point and Point B, C or D. Erase the 1st and 2nd mark.

Step 4: To mark the Pivot Point on the other side of the box, measure from the head assembly to the Pivot Point you have already found and use that measurement to mark the other Pivot Point.

Wiring the Gear Motor

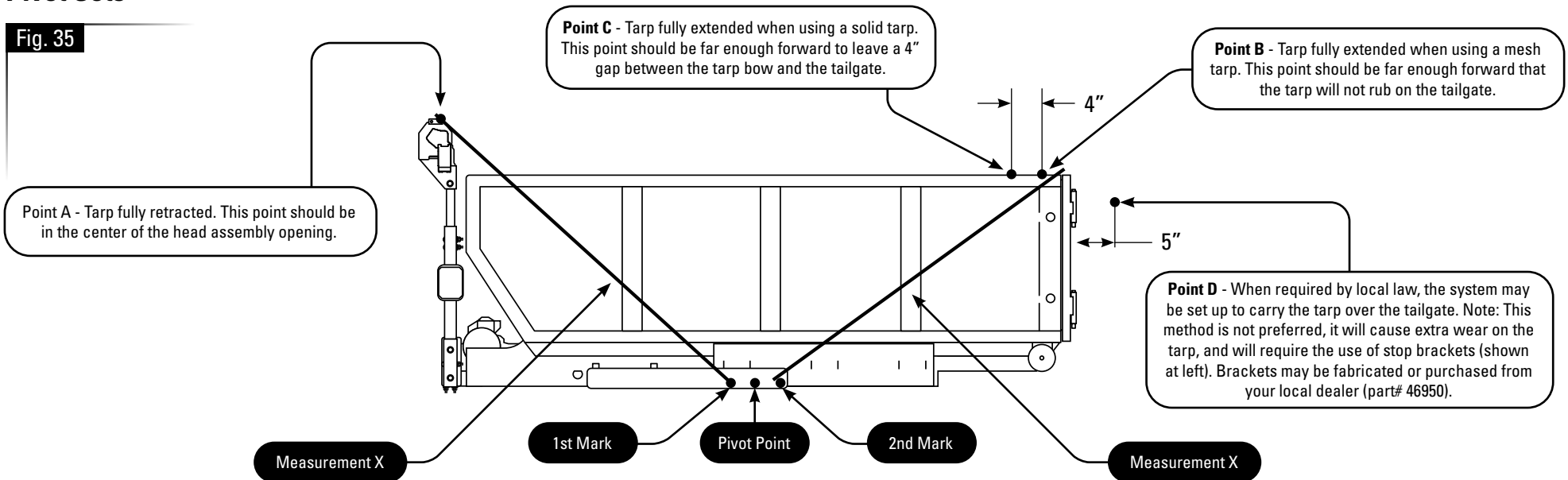
Motor must be wired according to the wiring diagram included with the electric kit. Failure to do so may lead to electrical failure of the motor. **HINT:** Running 3/4" EMT conduit down the front of the body and back along the frame rail provides a safe place to run the wires as well as adding a clean, finished look to the installation. Test the operation of the motor reversing switch. If the direction is incorrect, swapping the two wires on the back of the motor will reverse its rotation.

INSTALLATION INSTRUCTIONS

Section 4.B.ii: Pivot Sets - Installation

Pivot Sets

Fig. 35



Step 5: On each side of the box, drill one $\frac{3}{4}$ " hole $3\text{-}3/16$ " to each side of the Pivot Point. This will give you two holes that are $6\text{-}3/8$ " apart on center (Fig. 35).

Step 6: The pivots can either be bolted or welded in place, making sure to mount directly over the measured pivot point and insert arm into pivots. You can either use the holes as a guide, drill and bolt in place (Fig. 36), or on each side of the box/mount, drill one $\frac{3}{4}$ " hole $3\text{-}3/16$ " to each side of the Pivot Point. This will give you two holes that are $6\text{-}3/8$ " apart on center.

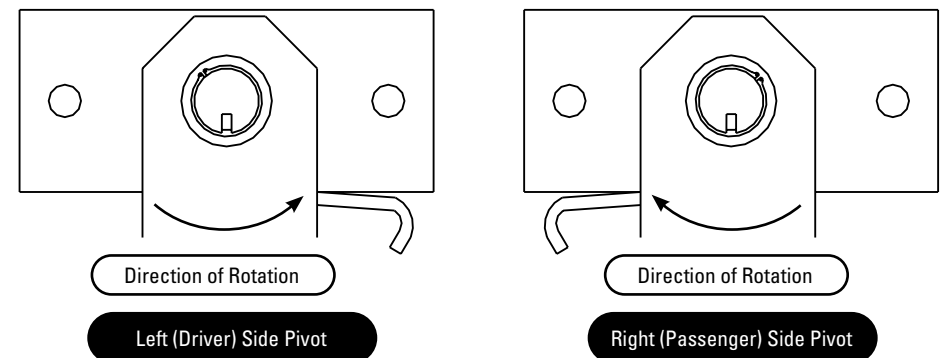
Step 7: Bolt the driver side pivot arm to the driver side pivot mount. Repeat with the passenger side arm.

Step 8: Install the clevis pin in the center hold under the spring hooks.

Note: The electric arm pivots are directional (see Fig. 36 to determine which is driver and passenger side).

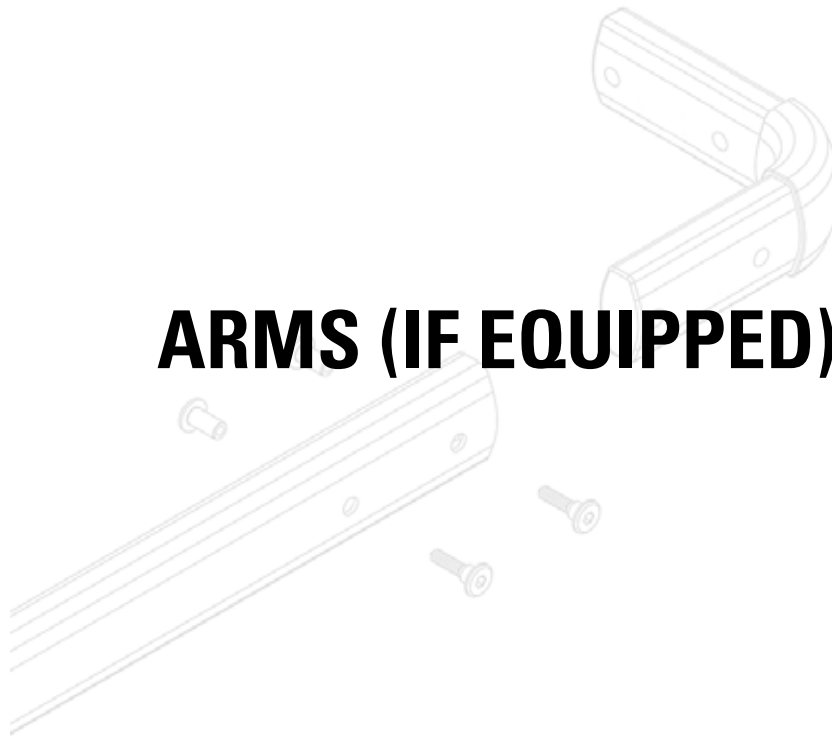
Step 9: When finished, proceed to Section 5B.

Fig. 36





ARMS (IF EQUIPPED)





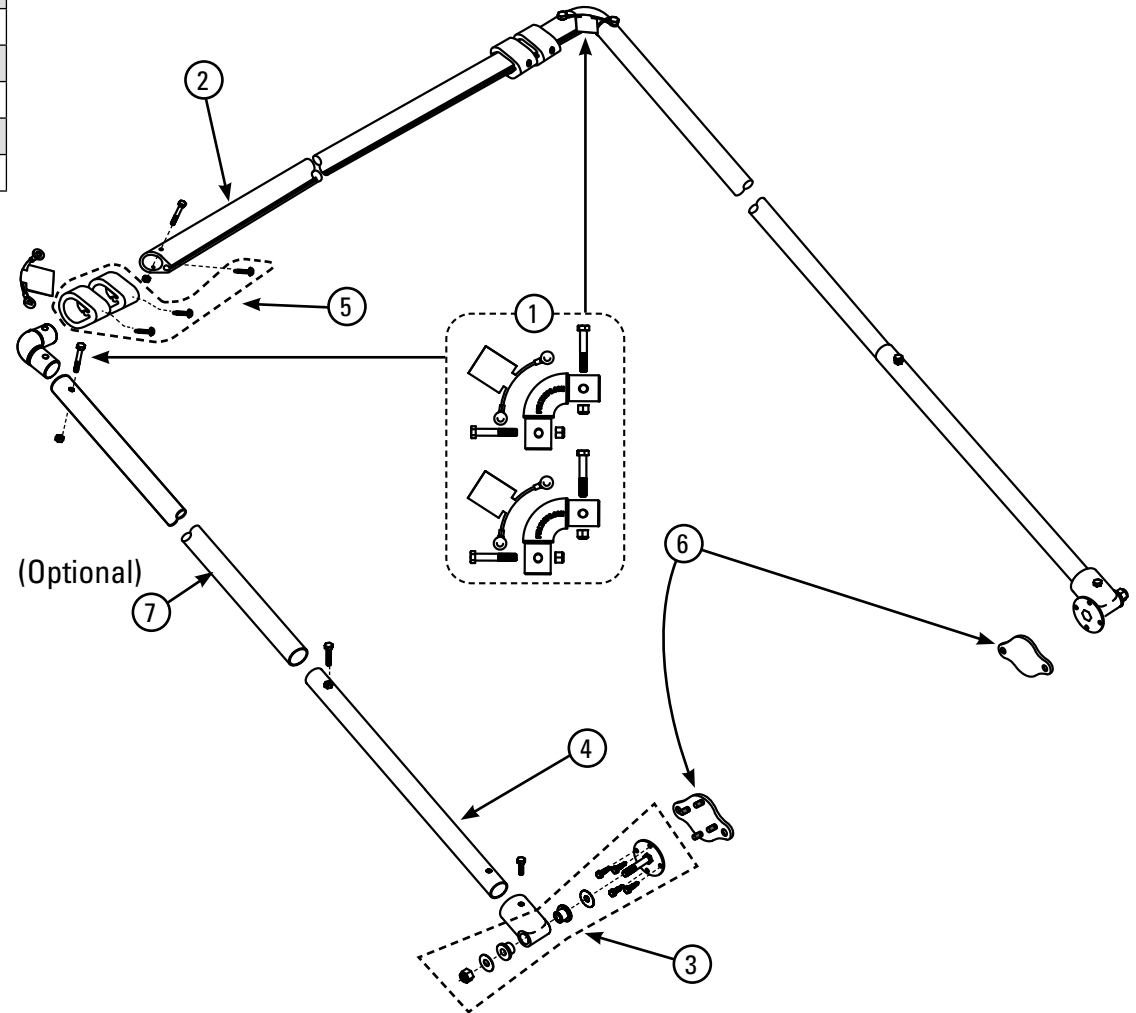
INSTALLATION INSTRUCTIONS

Section 5.i: Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	501-1251	Elbow Kit (Steel Arms)	1
2	501-0430	Universal Tear Drop Pullbar	1
3	501-1195	Pivot Assembly	2
4	501-1229	Lower Connection Arm Tube	2
5	501-1293	Tear Drop Bumper Kit	1
6	501-2235	EZ-Mount Assembly	2
7	501-1202	Straight Upper Arm	2

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Steel Manual Arms (Complete Kits) P/#: 113-2214





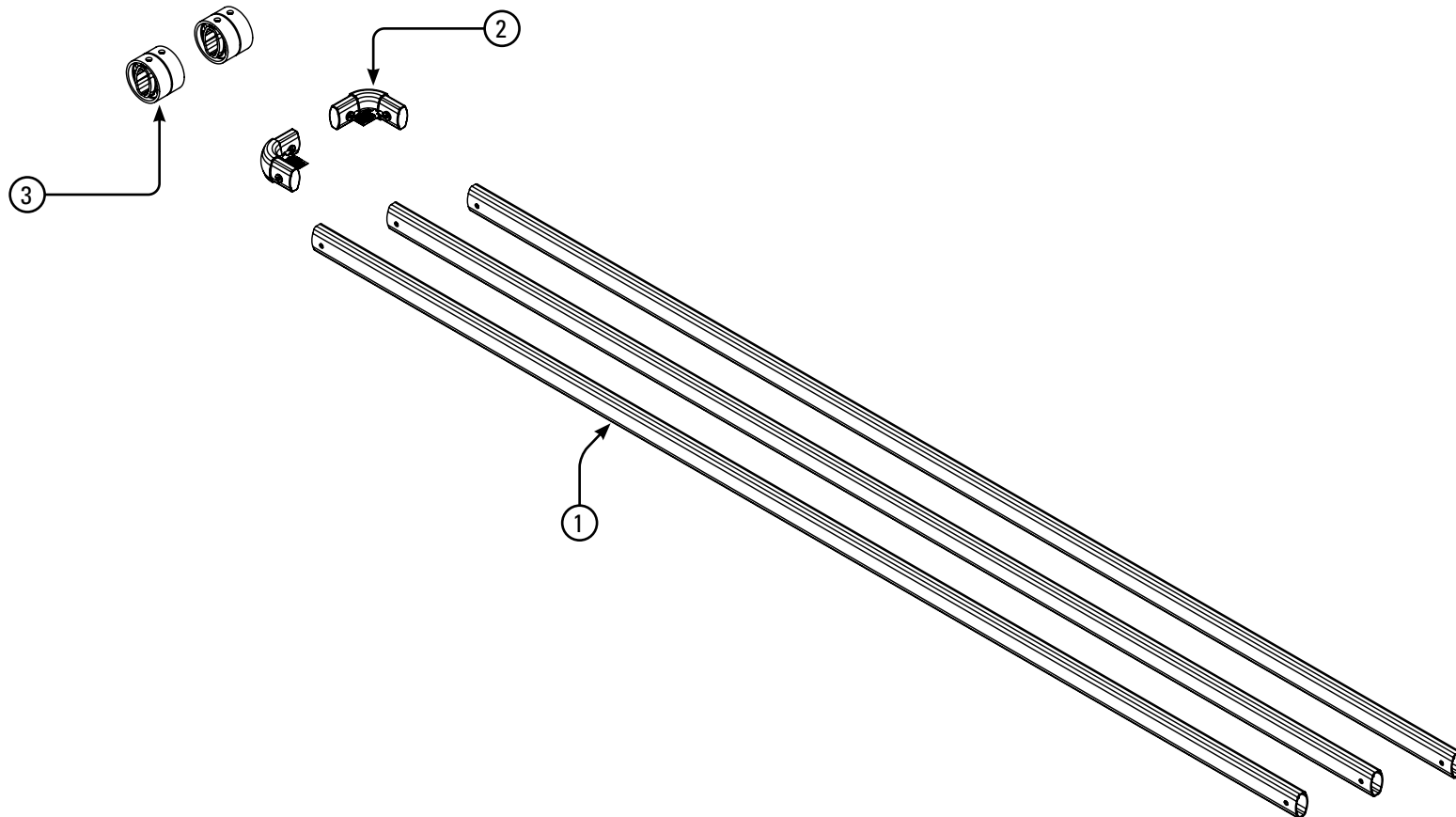
INSTALLATION INSTRUCTIONS

Section 5.i: Diagrams

Electric System Arm Kit P/#: 76720

ITEM	PART #	DESCRIPTION	QTY
1	76870	Bow Tube, AL Wide Tube for Tarp Bow - 103 1/2"	3
2	76800	Hardware Bag, 90° Elbow and Fasteners	2
3	76701	Hardware Bag, 2 pair 76810 for bow set	1

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INSTALLATION INSTRUCTIONS

Section 5.ii: Manual Arm Installation

Installing Manual Arms (If Equipped)

Manual Arms

Step 1: Be sure the Tarp Spool and Pivots are installed first.

Step 2: Hold one of the side arms (tube w/ corner) up to the side of the box with the corner against the center of the head assembly opening and with the end of the tube going past the pivot point.

Step 3: Bolt a 90° corner into one end of 2 of the arms.

Step 4: Slide one of the side arms into one of the pivot tubes. Adjust the arm length until the corner rests on the desired landing point at the back of the box (Point B from the Pivot Installation Instructions).

Step 5: Repeat Steps 2-4 on opposite side.

Installing the Pullbar

Fig. 37A



Step 1: Cut the pull bar to length making sure the arms remain parallel and square to the body (Fig. 37A).

Step 2: Slide the tarp into the pull bar groove and center the tarp (Fig. 37B).

Fig. 37B



INSTALLATION INSTRUCTIONS

Section 5.ii: Manual Arm Installation

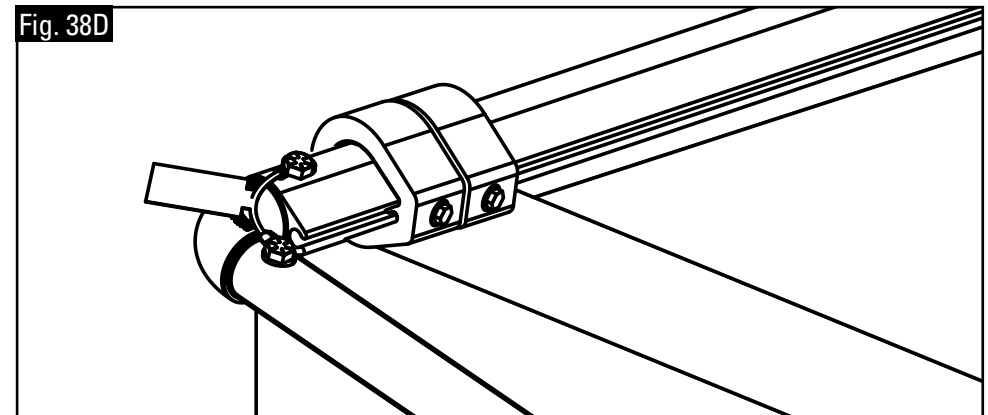
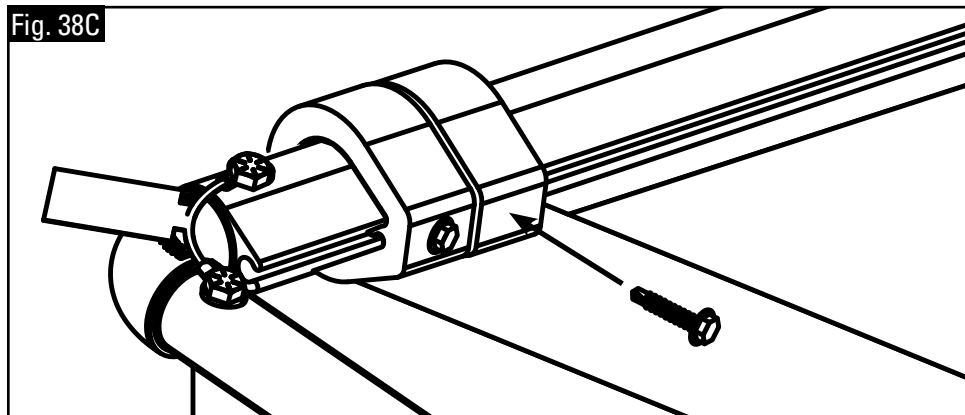
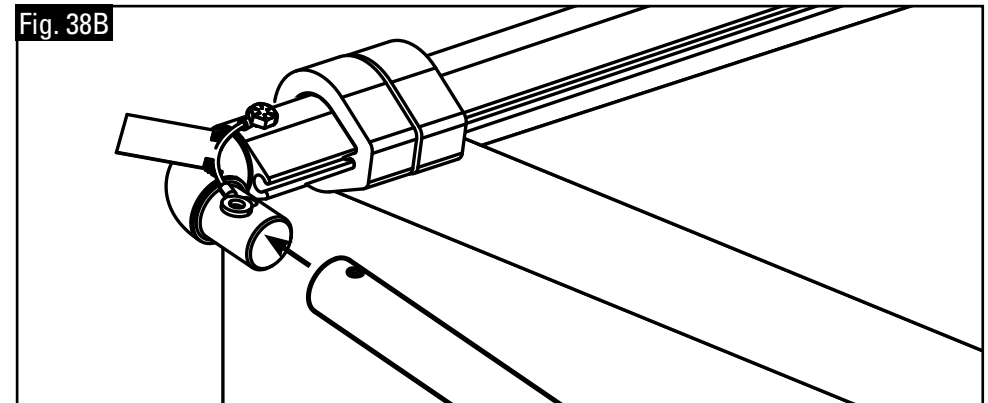
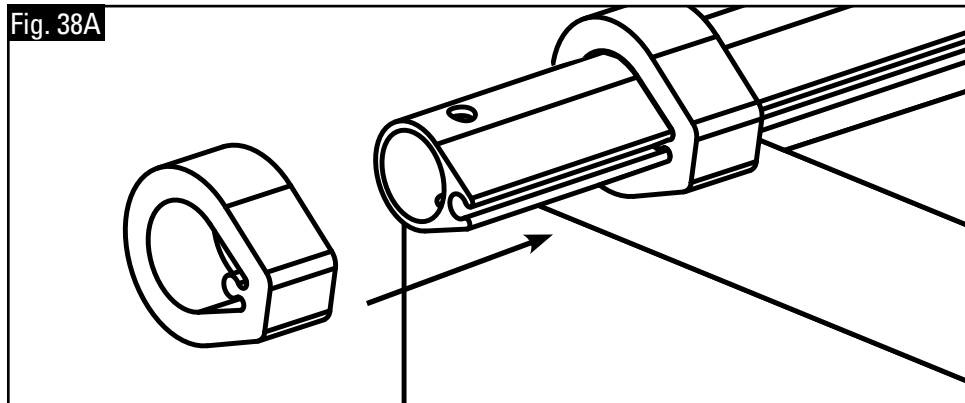
Installing the Pullbar

Step 3: Slide urethane bumpers on to the pull bar far enough to touch the edges of the tarp (Fig. 38A).

Step 4: Install elbows and connect to arms (Fig. 38B).

Step 5: Once the elbows are in installed, lock the bumpers in place by installing a 1-1/2" long (501-9933) self drilling screw through the bumper and into the hem tube groove of the pull bar (Fig. 38C & D).

NOTE: Tarp must be retracted when dumping!

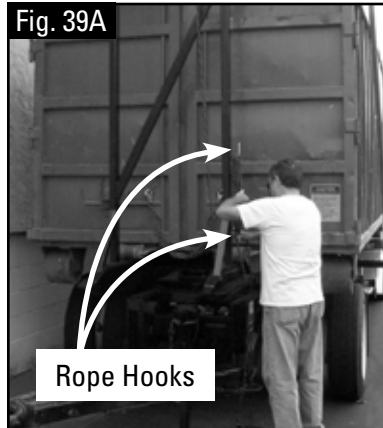


INSTALLATION INSTRUCTIONS

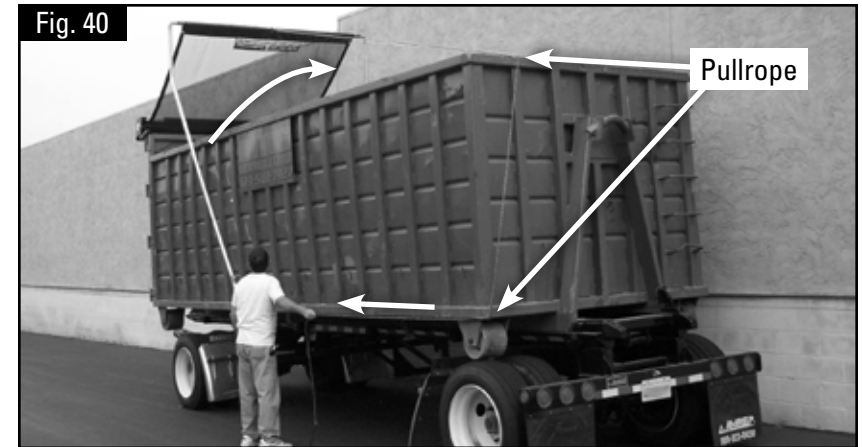
Section 5.ii: Manual Arm Installation

Operating the System

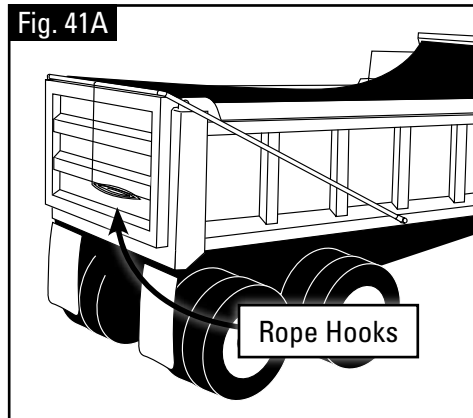
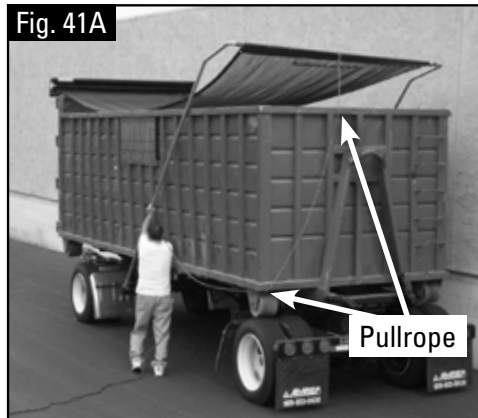
Step 1: Uncoil the pullrope from the storage hooks and pull over the top of the box (Fig. 39A & B). **Note:** Rope hooks are normally mounted on the side and back of the box.



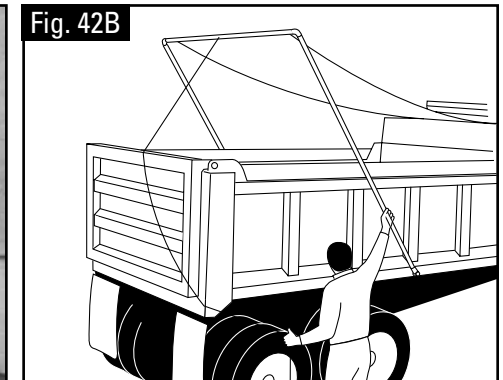
Step 2: Using the back bottom corner of the box as a fulcrum, pull the pullrope towards you while holding the arms and pull the rope (Fig. 40).



Step 3: Pull the tarp to the tailgate and secure the rope on the hooks provided (Fig. 41A & B). If tarp has side-flaps secure as well.



Step 4: To retract, untie and extend the pullrope (Fig. 42A). Start the arms back by hand until the spring tension in the roller takes over to retract the tarp completely. Maintain tension on the rope to prevent the tarp from retracting too quickly (Fig. 42B). Proceed to Section 6A.



INSTALLATION INSTRUCTIONS

Section 5.iii: Electric Arm Installation

Bow Sets

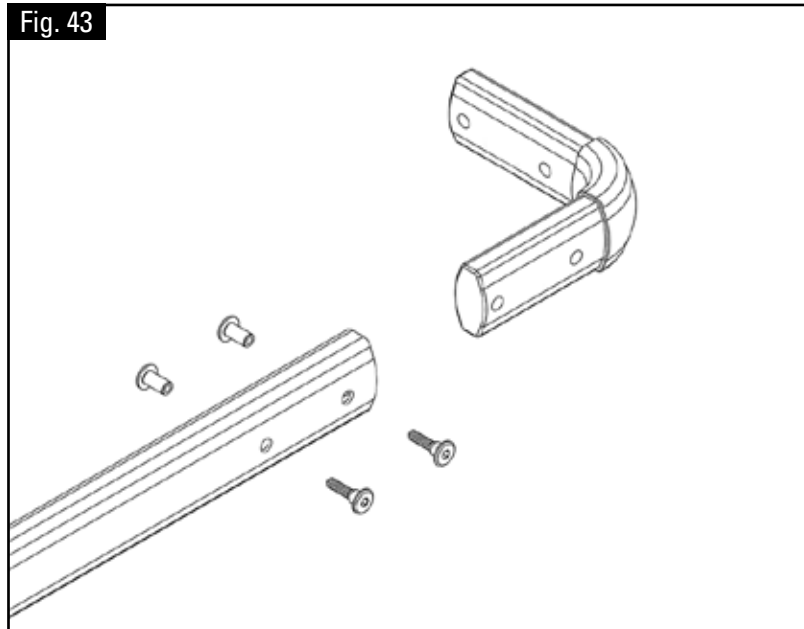
Tarp Bow

Step 1: Be sure that the Tarp Spool and Pivots are installed first.

Step 2: Hold one of the side arms (tube w/ corner) up to the side of the box with the corner against the center of the head assembly opening and with the end of the tube going past the pivot point. If the bow is in the way of the door, or if it will be in the way of the loader, then the bows should be offset. The bows can be offset by calling your dealer and ordering Part # 76900 or # 76910 (30° or 45° Bow Insert). If you have any questions about offsetting the bows, call us at 1-800-297-9905.

Step 3: If the clevis pin that the springs hook on in the pivot is installed remove it. This will allow for ease of arm movement.

Step 4: Bolt a 90° corner into one end of 2 of the arms (Fig. 43).



Step 5: Slide one of the side arms into one of the pivot tubes. Adjust the arm length until the corner rests on the desired landing point at the back of the box (Point B from the Pivot Installation Instructions). If the arm is too long, cut both arms to the correct length. Leave about 2 feet of tube sticking into the pivot and make sure that both arms are cut to the same length.

INSTALLATION INSTRUCTIONS

Section 5.iii: Electric Arm Installation

Bow Sets

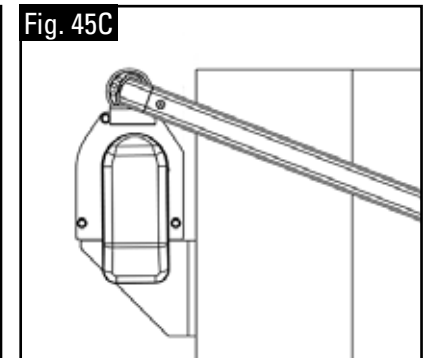
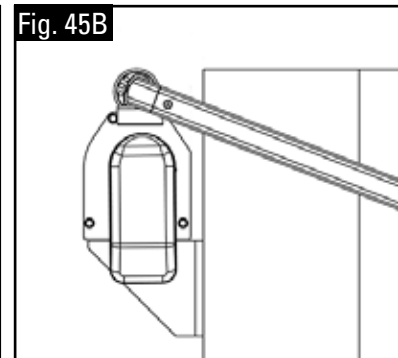
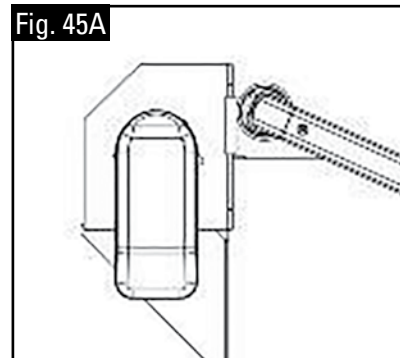
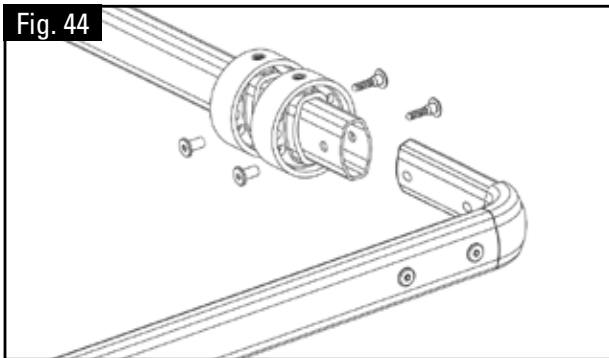
Tarp Bow

Step 6: Slide both side arms into the pivot tubes (make sure that both arms end up the same length) and lightly tighten the two set screws that hold each side arm into the pivots. Final tightening will be done later.

Step 7: Slide the 2 pair of tarp flanges, 2 at each end over the 3rd pipe.

Step 8: Connect the 2 side arms, using the 3rd pipe, by sliding it over the 90° corners installed in the side arms and bolt in place (Fig. 44).

Step 9: Swing the assembled tarp bow forward until it rests on the head assembly. The bow should be resting on the rubber bumpers on the tarp spool (Fig. 45A, B, & C) this will vary based on type of tarp spool. If the bow is not landing properly on the rubber pad as desired, loosen the 4 set screws that hold the side arms into the pivots and adjust both bows. Bow side should be adjusted evenly. Lightly re-tighten the set screws.



Step 10: Swing the bow back to the rear of the truck and check the landing position. If it appears that the bow will interfere with the operation of the tailgate, the pivot point may need to be moved.

Step 11: Check for binding or rubbing of the bows against the sides of the box. Check both sides of the box, and adjust the pivot brackets or bows as necessary for clearance.

Step 12: Mark both tarp bow side arms where they slide into the pivot tubes. This will allow you to reassemble the bows without re-measuring.

Step 13: Remove the tarp tube and side arms so that you may load the pivot springs.

Step 14: With the pivot arm rotated down install the clevis pin under the spring tails and secure with cotter pin.

Step 15: If your system has a tension bow proceed with steps 1 & 2 under Tension bow installation at this time, this will save you having to disassemble later, then come back here to Step 16.

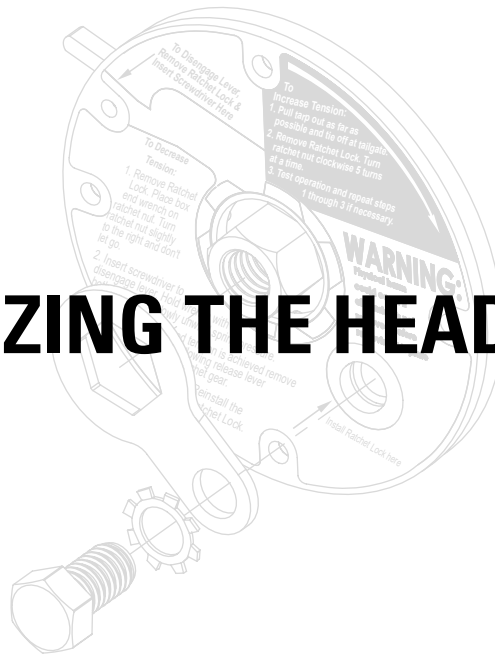
Step 16: Pre-load the pivot springs by rotating the pivots one at a time toward the back of the box and up until you are able to reinstall the tarp bow side arms. Slide the side arms in to the marks made in Step 10 and tighten the bolts that hold them in place. Make sure that the hook ends of the springs have clipped over the pin in the spring guard.

Step 17: Set the tarp rod across the back of the box, but do not re-install until you have installed the tarp (see Tarp installation section).

Note: When finished, proceed to Section 6B.



ENERGIZING THE HEAD-UNIT



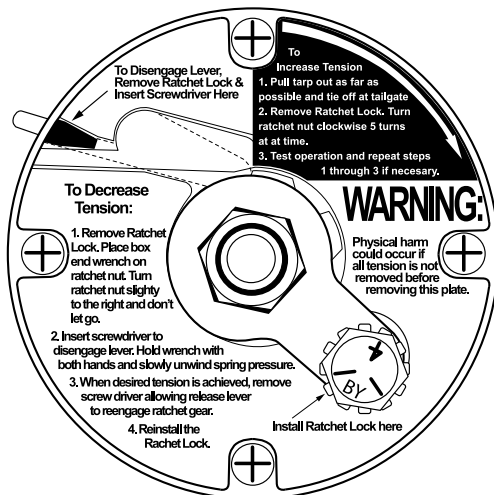


INSTALLATION INSTRUCTIONS

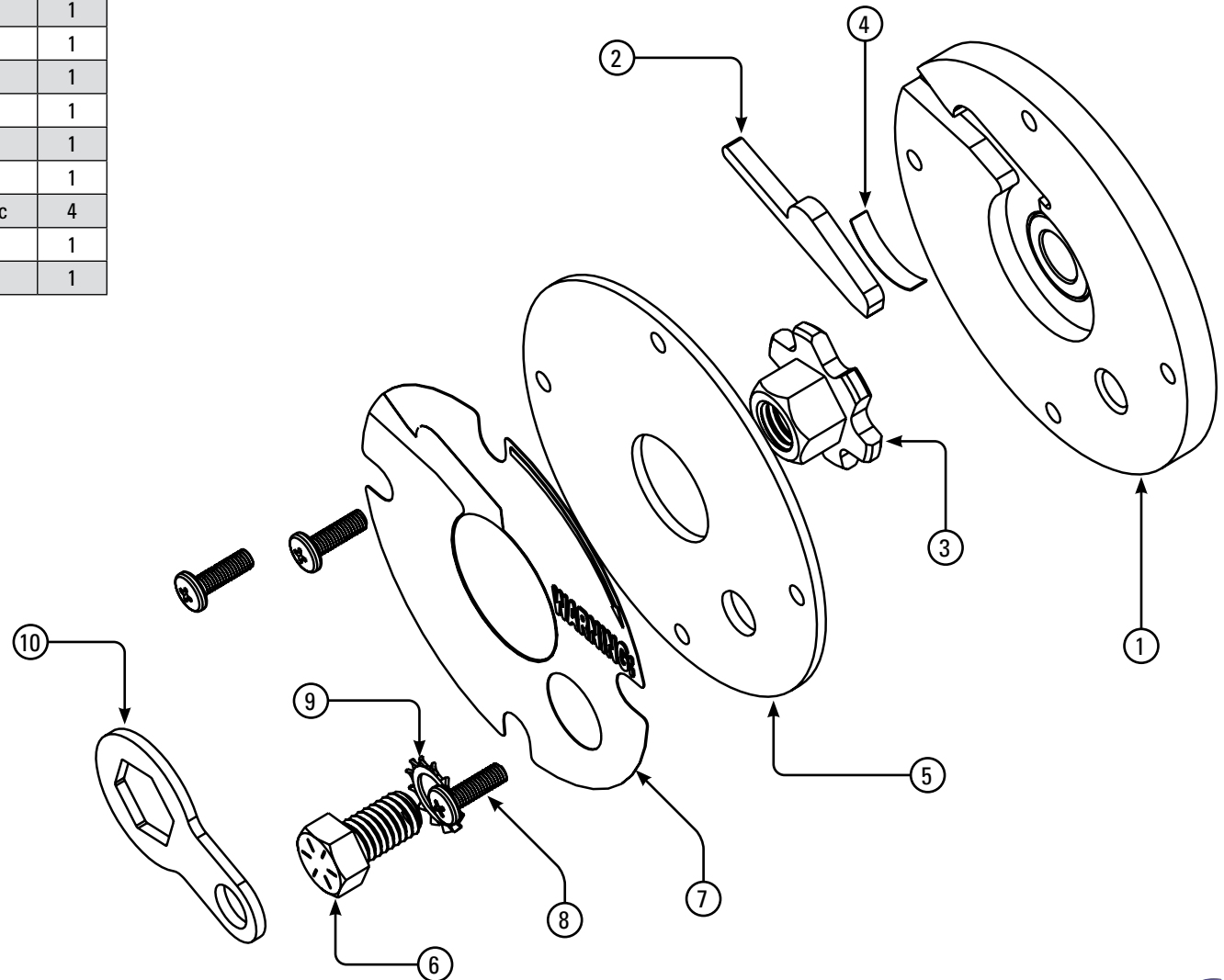
Section 6.A: Semi-Automatic Ratcheting Operation (Manual System Only)

End Plate Ratchet Assembly P/#: 109110

ITEM	PART #	DESCRIPTION	QTY
1	501-0809	Ratchet Housing	1
2	501-0807	Ratchet Tension Lock	1
3	501-0808	Ratchet Gear	1
4	501-0811	Ratchet Lock Spring	1
5	501-0806	Ratcher Cover	1
6	503-4302	7/16" - 14 X 3/4" bolt	1
7	607-0066	Warning Label	1
8	102729	Bolt, 10 - 32 X 5/8" Phillips Pan Head Zinc	4
9	505-4301	7/16 Lock Washer	1
10	501-0824	Ratchet Gear Lock	1



Assembled View



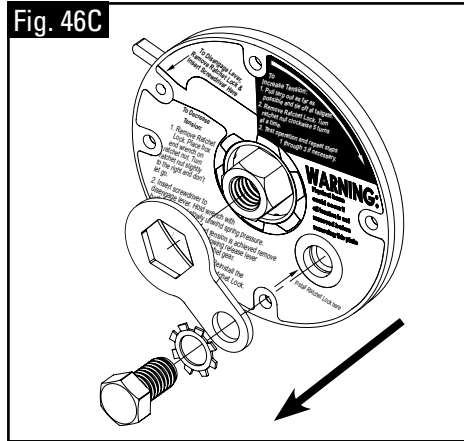


INSTALLATION INSTRUCTIONS

Section 6.A.i: Energizing Ratcheting System

Adding Spring Tension to Roller Tube using Ratchet

Step 1: Using a Ratchet Tool or 3/4" Box End Wrench, remove the Ratchet Lock Nut, Star Lock Washer and Ratchet Lock (Fig. 46A, B & C).



Ratchet Operation Quick Links

PDF:

https://www.pulltarps.com/wp-content/uploads/2019/04/Pulltarps_RatchetRollerTube_Instructions.pdf

YouTube:

<https://youtu.be/bsMGvxl14Vo?si=ZdZrNIK1NdXjwKx>

Step 2: With the included Ratchet Wrench, turn the ratchet nut clockwise to the appropriate number of rotations (Fig. 47A, B & C).

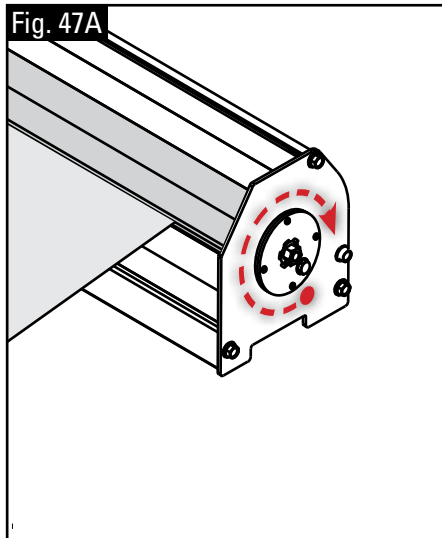


Fig. 47C	Approximate pre-load rotations or winds.			
Tarp Length	13 feet	18 feet	25 feet	30 feet
Winds or Rotation (360° = 1 rotation)	25/30	30/35	35/40	45/50
Flaps	Longer taps with flaps may require 5 to 10 additional turns			

NOTE: DO NOT EXCEED 65 WINDS.

Tarp must be fully extended when adding tension to the spring.



INSTALLATION INSTRUCTIONS

Section 6.A.i: Energizing Ratcheting System

Adding Spring Tension to Roller Tube using Ratchet

Step 3: Test the spring tension by having a team member cycle the tarp in and out, and if tarp returns to the housing, no more winds are needed. If more winds are needed, repeat Steps 3-5 then add 5 winds and test again (Fig. 48).

Fig. 48



Step 4: Reinstall the Ratchet Lock (Fig. 49A & B).

Fig. 49A



Fig. 49B



INSTALLATION INSTRUCTIONS

Section 6.A.ii: De-Energizing Racteting System

Releasing Spring Tension from Ratchet

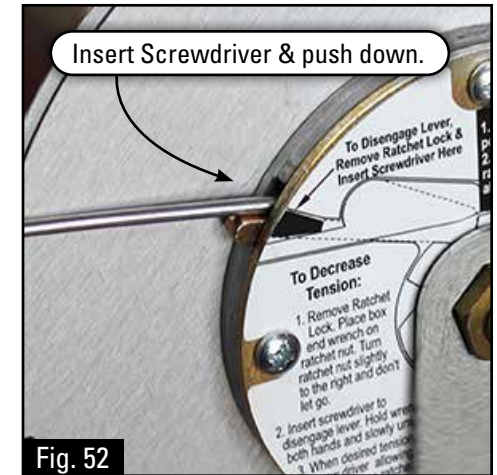
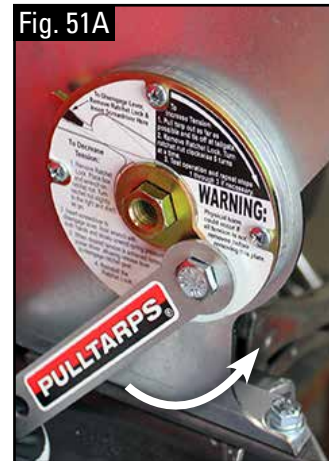
Step 1: Fully extend tarp and tie off on the Tailgate (Fig. 50).



Step 4: Hold wrench and slowly unwind spring pressure (Fig. 53).



Step 2: Remove the Ratchet Lock Nut and Star Lock Washer (Fig. 51A & B).

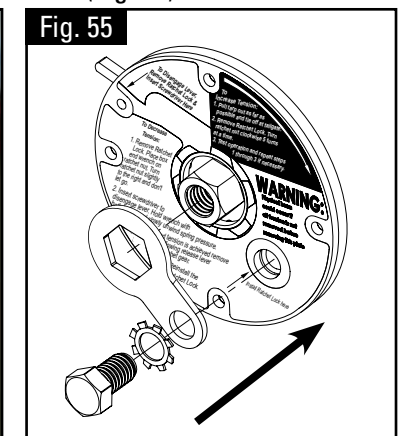


Step 3: Insert screwdriver to disengage lever (Fig. 52).

Step 5: When desired tension is achieved remove screwdriver, allowing release lever to reengage ratchet gear (Fig. 54A & B).



Step 6: Reinstall the Ratchet Lock (Fig. 55).





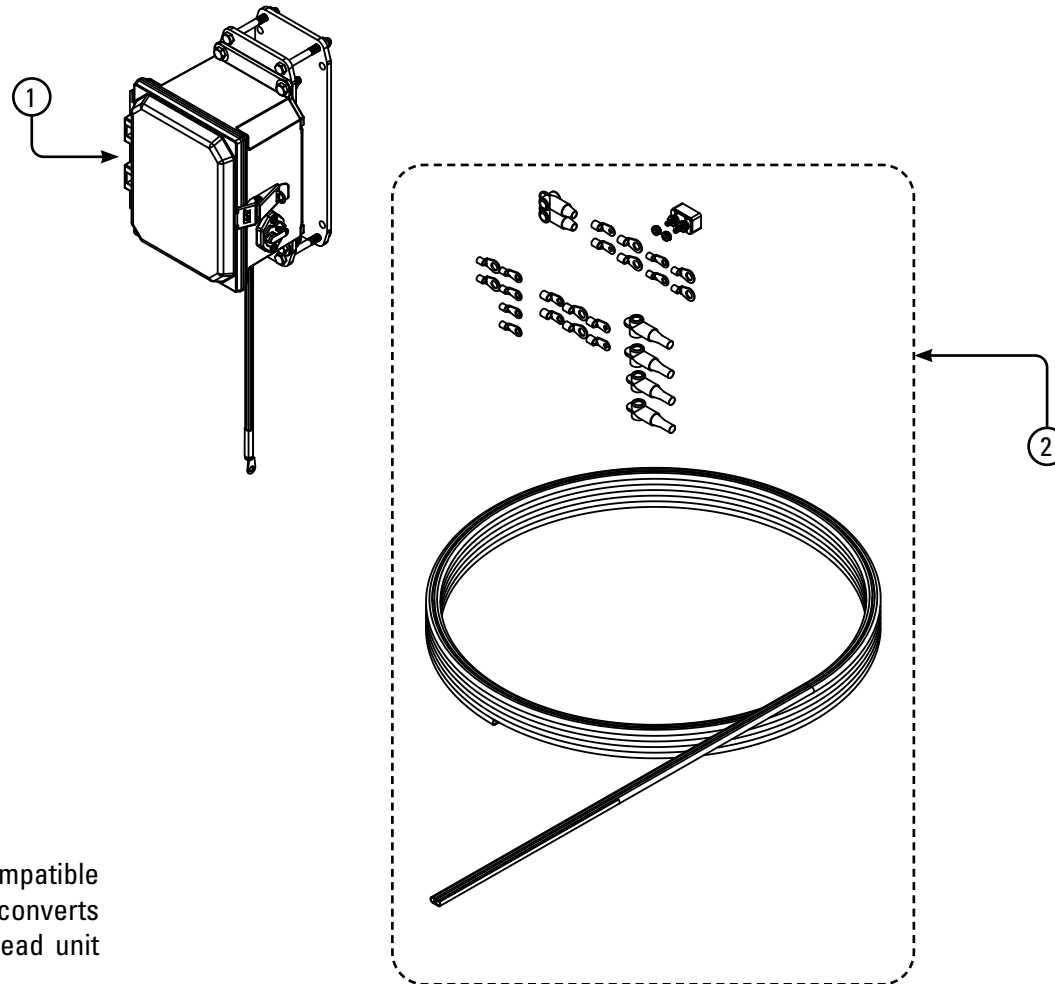
INSTALLATION INSTRUCTIONS

Section 6.B.i: High-Amp Contactor Kit (Electric System Only) - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109956	Electric Tower Contactor 35A Polybox Kit, High Amp	1
2	109958	50A Breaker Kit & 6 Ga. (10 ft.) Wiring Kit w/ Terminals	1

35A High Amp Polybox Kit w/ 50A Breaker & 6 Ga. Wiring Kit

P/#: 109959



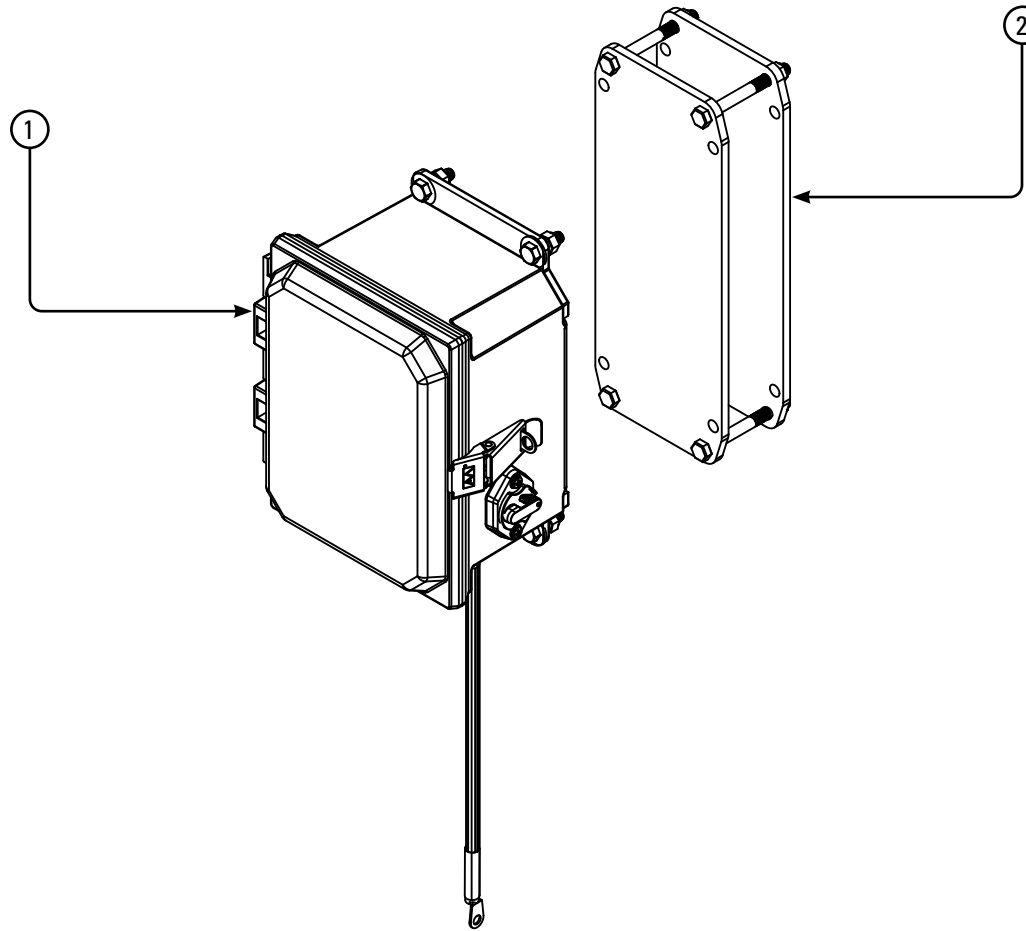
NOTE: This is a new add-on that is compatible with the tower system (#108700) and converts it to work with an electrically driven head unit (#109961).

INSTALLATION INSTRUCTIONS

Section 6.B.i: High-Amp Contactor Kit (Electric System Only) - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109955	Polybox Enclosure, 35A High Amp w/ Wiring & Hardware	1
2	108838	Enclosure, Poly Box w/ Tower Mount Hardware	1

Electric Tower Contactor 35A Polybox Kit, High Amp P/ #: 109956



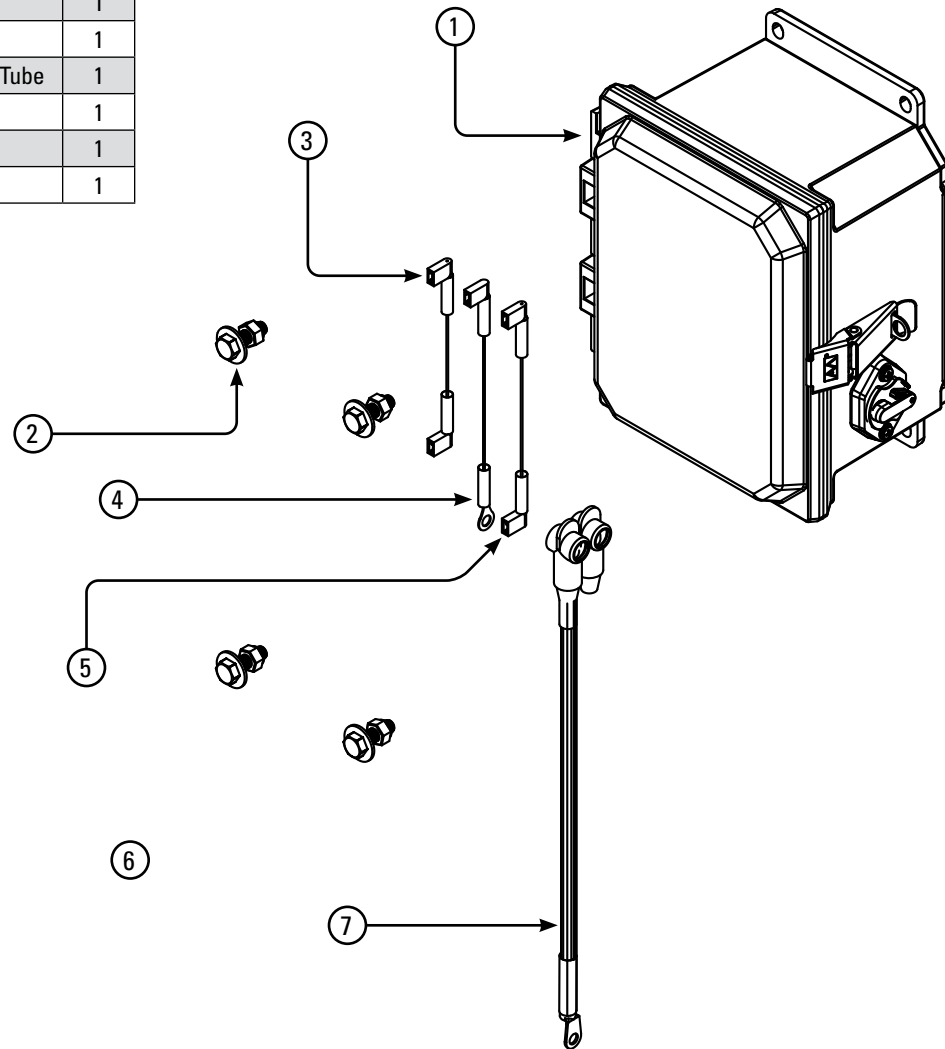
INSTALLATION INSTRUCTIONS

Section 6.B.i: High-Amp Contactor Kit (Electric System Only) - Diagrams

ITEM	PART #	DESCRIPTION	QTY
1	109954	Polybox Enclosure w/ 35A Breaker, High Amp Solenoid & Rocker Switch	1
2	109154	Fasteners, 5/16" - 10 x 7/8" BH for Polybox	1
3	109063	Jumper Wire, 18 AWG, Yellow, 5" Long w/ Flag Terminals	1
4	109112	Jumper Wire, 18 AWG, Red, 5" Long w/ Flag Term, 1/4" Term & Shrink Tube	1
5	109135	Jumper Wire, 10 AWG Blue 6" Long with Flag Terminals	1
6	109042	4" Black 10 GA. Jumper w/ Spade, 1/4" Eyelet & Shrink Tube	1
7	109136	Jumper Wire, 6 GA. w/ Boots	1

Polybox Enclosure, 35A High Amp w/ Wiring & Hardware

P/#: 109955



INSTALLATION INSTRUCTIONS

Section 6.B.ii: High-Amp Contactor Kit (Electric System Only) - Installation

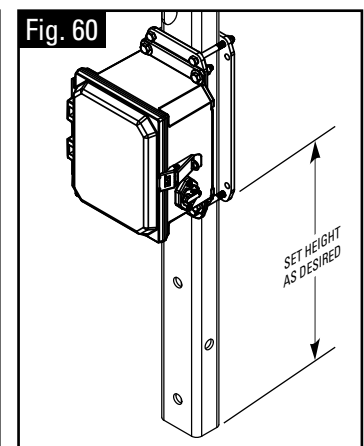
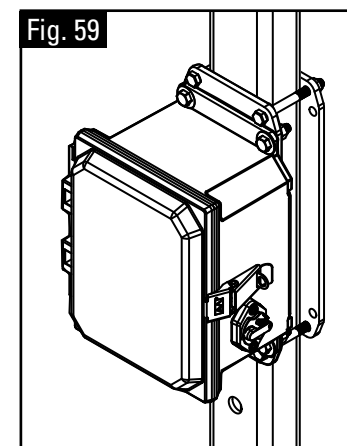
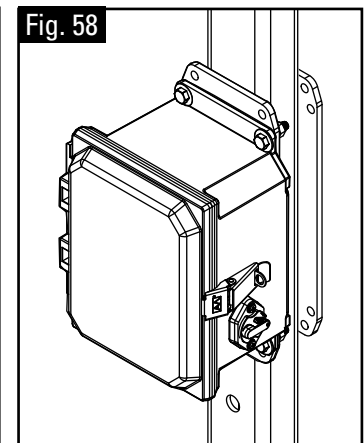
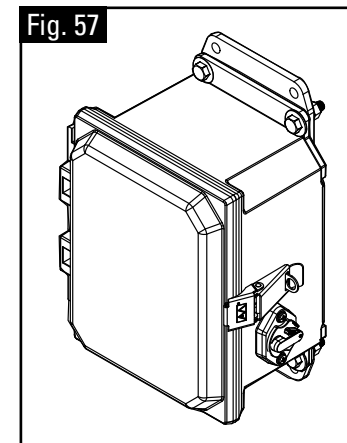
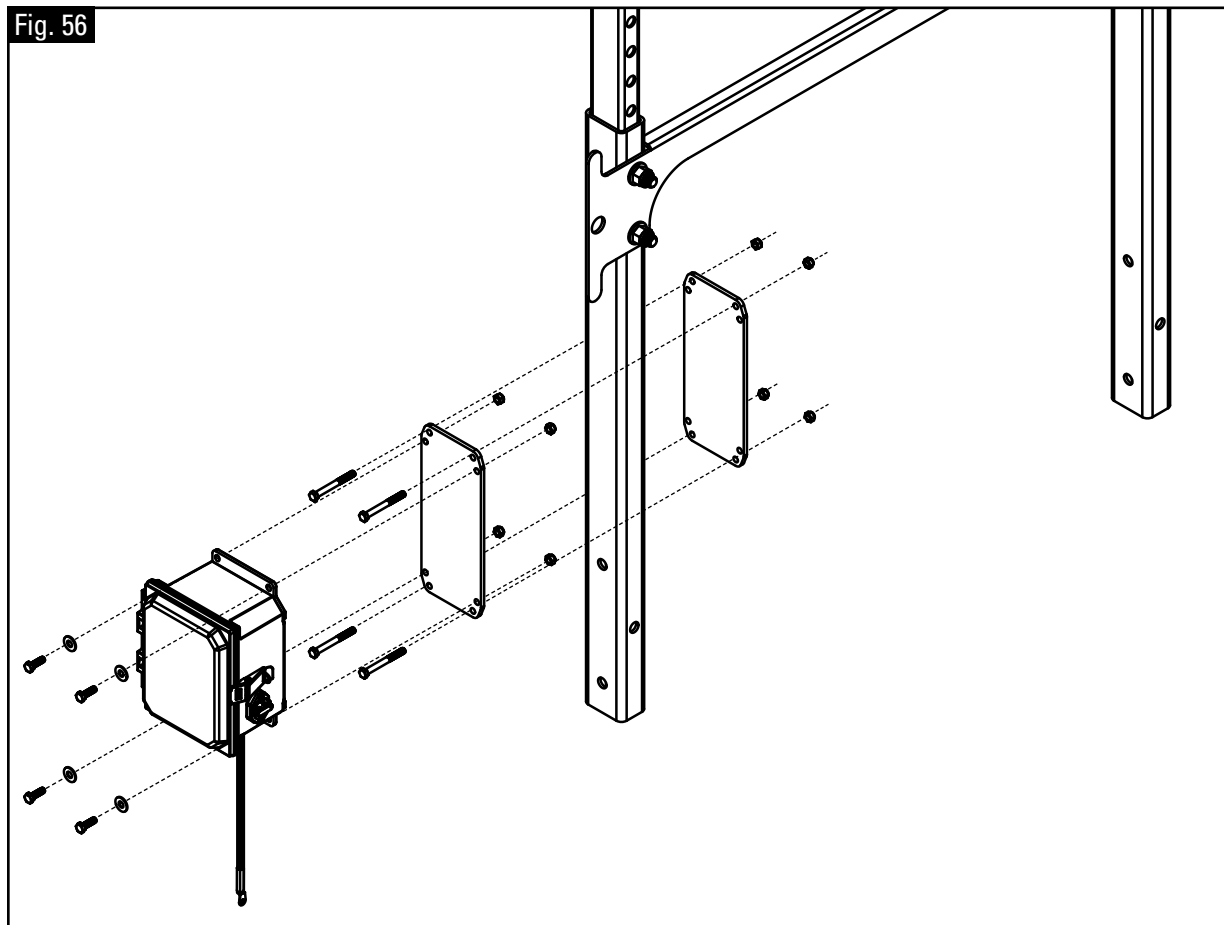
Attaching the Contactor Kit to the Tower Leg (Fig. 56)

Step 1: Attach box to first plate with 5/16-18 x 1" bolts (#503-3105), placing the washers between the bolt head and the box (Fig. 57). Be careful to not over-tighten & crack the polybox.

Step 2: Place above assembly & 2nd plate on outside & inside of lower tower leg, respectively (Fig. 58).

Step 3: Attach with 5/16-18 x 3" bolts (#18222), hand-tightened (Fig. 59).

Step 4: Set height as desired, and fasten 3" bolts (Fig. 60).



INSTALLATION INSTRUCTIONS

Section 6.B.ii: High-Amp Contactor Kit (Electric System Only) - Installation

Wiring Install for Electrical Box P/#: 109955 - (Fig. 61)

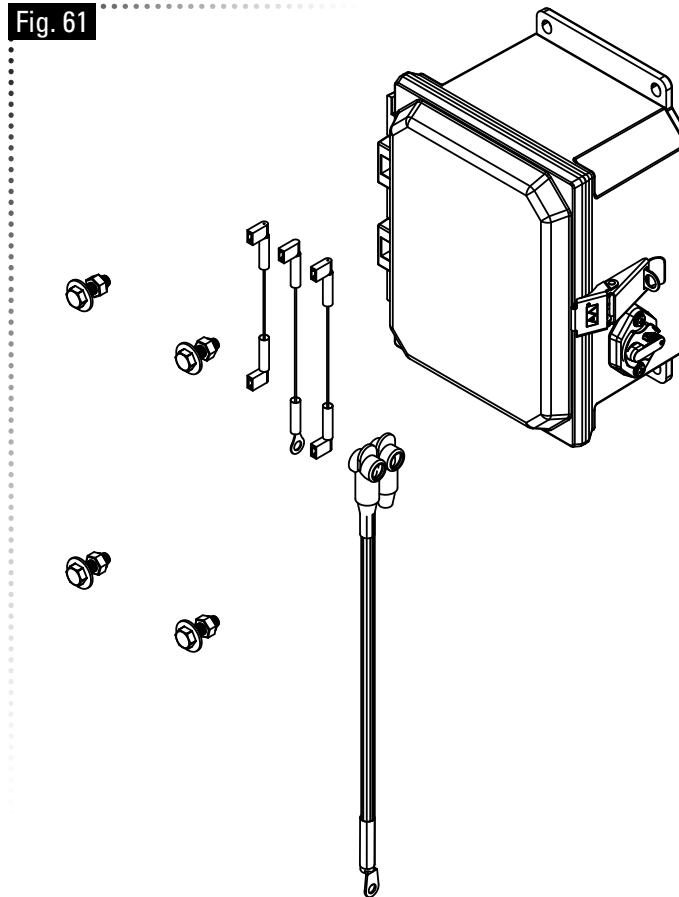
Step 1: If box does not come pre-wired, wire in accordance with wiring diagram on page 61.

Step 2: Part #109063, #109112 & #109135 run from solenoid to rocker switch. #109063 may be yellow or green.

Step 3: Part #109042 is the black jumper wire that runs from the middle front of the solenoid to the negative terminal.

Place one end of #109136 over the positive connection of the solenoid, and attach the end other to the 35A breaker, remembering to include the boots.

Fig. 61



INSTALLATION INSTRUCTIONS

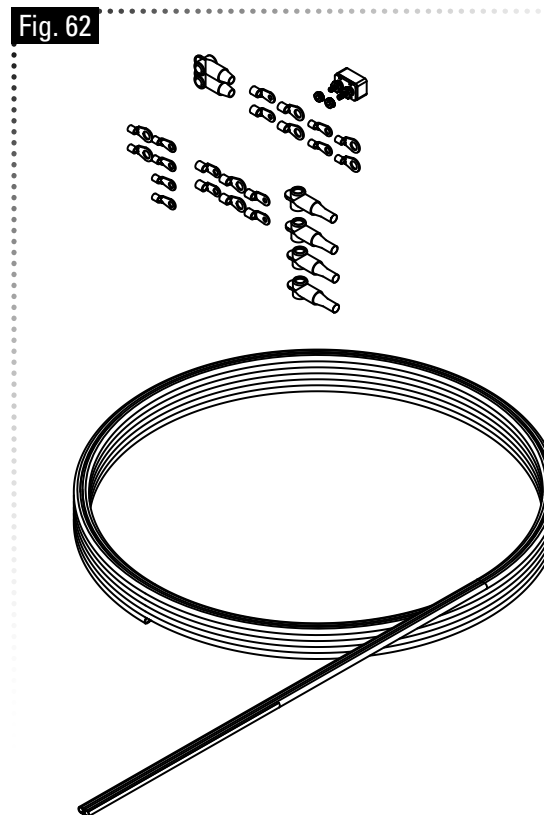
Section 6.B.ii: High-Amp Contactor Kit (Electric System Only) - Installation

Wiring Install from Electrical Box to Motor P/#: 109958 - (Fig. 62)

Step 1: Measure potential wiring run through bottom of electrical box, up the tower to the motor terminals on the head unit.

Step 2: Cut length of wire to suit. It is good practice to include approximately 6" of extra wire to measured length and make sure wire is not tight.

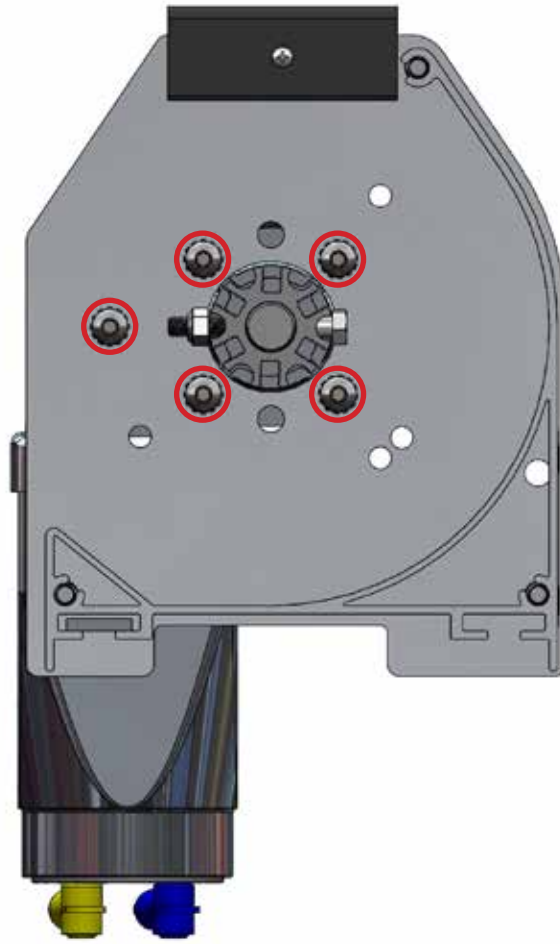
Step 3: After verifying sufficient wire length, strip wire ends, slip on appropriate boots and attach applicable eyelets. Yellow & Blue boots go over the eyelets that attach to the motor (see wiring diagram on page 62).



Attaching the Motor to Head Unit

Step 1: Attach to Left / Driver's side using provided buttonhead bolts (Fig. 63) - Torque to 70in/lbs per Label #01218.

Fig. 63



INSTALLATION INSTRUCTIONS

Section 6.B.ii: High-Amp Contactor Kit (Electric System Only) - Installation

Wiring Install from Electrical Box to Battery P/#: 109958

Step 1: Run remaining length of wire through bottom of electrical box, along vehicle chassis to the battery (Fig. 64).

Step 2: Cut length of wire to suit. It is good practice to include approximately 6" of extra wire to measured length and wire is not tight.

Step 3: After verifying sufficient wire length, strip wire ends, slip on appropriate boots and attach applicable eyelets (Fig. 65). Red & Black boots go over the eyelets that attach to the motor, see wiring diagram on page 61.

Step 4: Splice the 50A breaker into the hot (red) wire within 12" of the terminal that attaches to the battery, using the applicable boots & eyelets. The breaker should be placed in a location that is not prone to wetness and in an orientation that is not prone to the breaker terminals touching anything (Fig. 66).

Fig. 64



Fig. 65

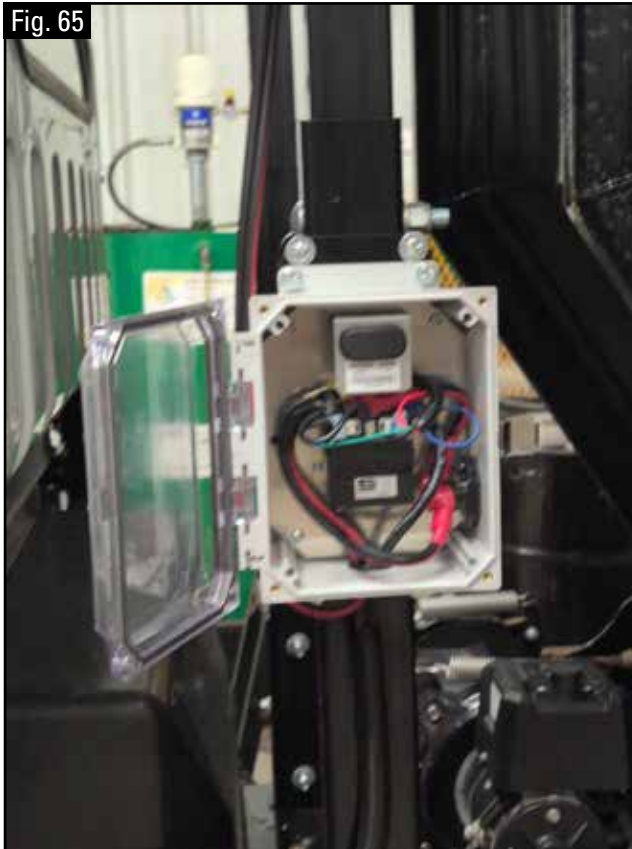


Fig. 66



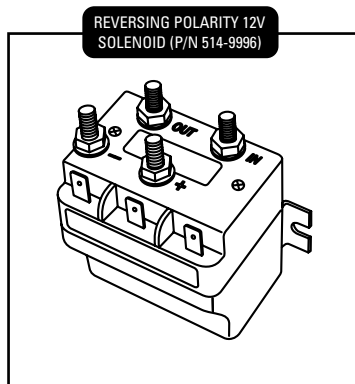
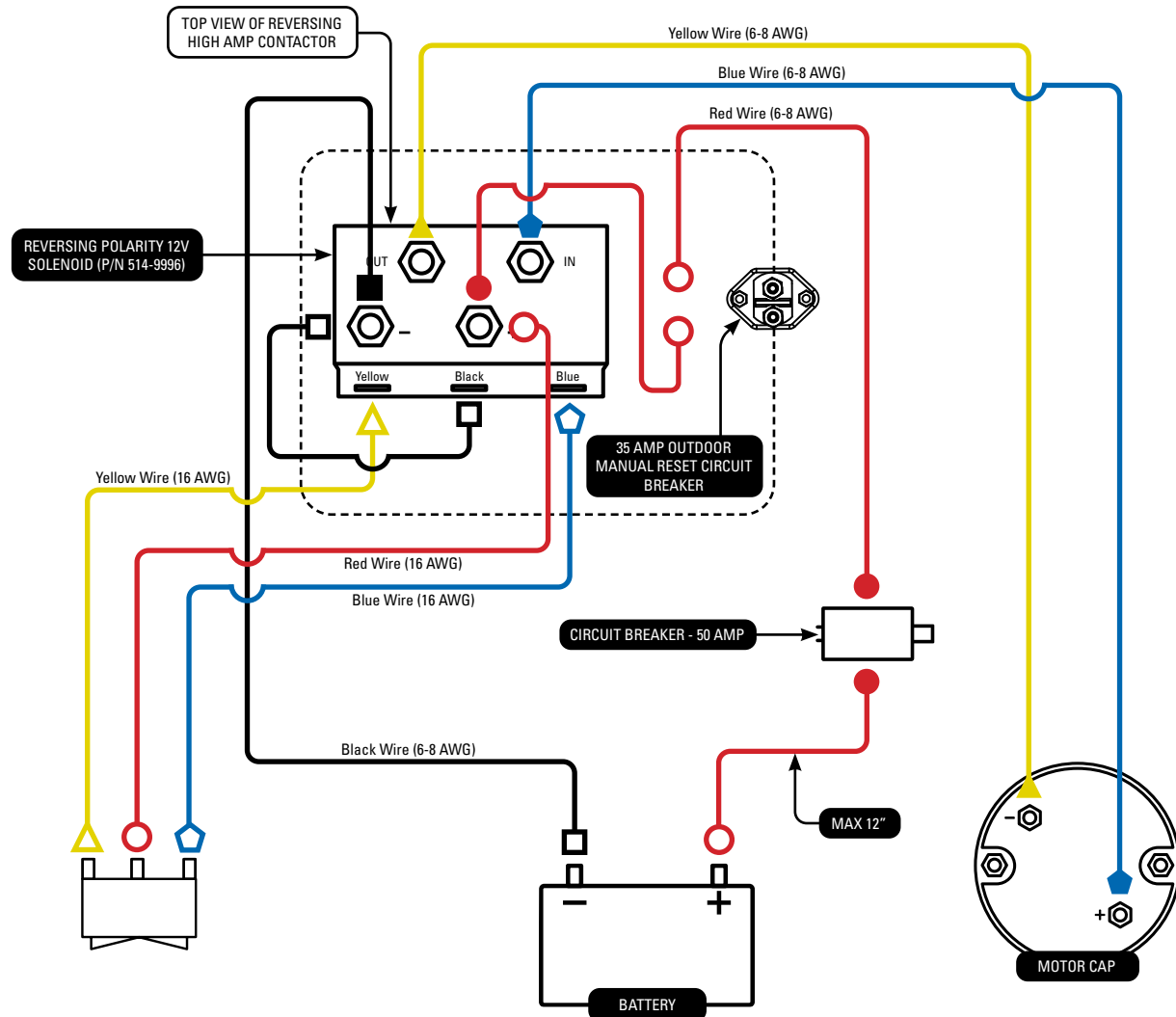
INSTALLATION INSTRUCTIONS

Section 6.B.ii: High-Amp Contactor Kit (Electric System Only) - Installation

BOOT COLORS

	Red	Black	Yellow	Blue
With Boot				
No Boot				

Wiring Diagram for Contactor Kit





REFERENCES



INSTALLATION INSTRUCTIONS

Section 7.A: References

Operating Manual

This manual should be kept with the system for the operator to refer to. Improper installation, use, or operator error causing damage to the system is not covered under warranty.

For correct installation refer to the installation instructions provided with component parts.

Note: Improper installation or use of parts other than those supplied with the Roll-Rite System can cause product damage or unnecessary wear that will void warranty.

Winding and Unwinding Tarp

- Winding and unwinding takes only a matter of seconds and should be done at the pit or job site. Winding and unwinding should be done at speeds less than 20 mph. Winding and unwinding at higher speeds can cause damage if the wind catches the tarp or if the tarp bows hit trees, overpasses, bridges, power lines, etc.
- Tarp should always be wound up **over** the top of the axle shaft. Winding tarp under axle may roll gravel, debris, etc. up into the tarp and damage the tarp or cause the tarp to jam in the head assembly.
- In the winter, check for ice in the head assembly before operating the system. If the tarp is frozen to the bottom of the housing, operating the system may damage the tarp or trip the circuit breaker.



Caution for High Wind Areas

If the operator sees the wind lifting the tarp bow, then the bows must be tied down to prevent damage to the system and the tarp.

Tarping an empty truck or trailer may also cause wind problems. Due to the void under the tarp, the tarp will hang low in the center. Wind passing over the low hanging tarp then creates a vacuum that repeatedly picks the tarp up and slams it back down. Wind picking the tarp bow up and slamming it down can and will:

- Bend or break the tarp bows and pivots.
- Cause shock damage to the gear motor.
- Tear the tarp.
- Bend the tarp axle.

Wind damage is not covered under warranty. It is the operator's responsibility to secure the side arms if wind is a problem.



Operating Manual

Pivots and Bows

- A daily visual check of the system is recommended. Check to make sure the side arms are not rubbing the box or binding up. If this occurs, excess load on the motor may cause circuit breaker to trip.
- Check to make sure side arms are held securely in side pivot tubes.
- Replace bent arms or worn or broken springs as they cause uneven wear and stress on the rest of the system.

Gear Motor

- The gear motor is a sealed unit from the factory and is not serviceable by owner or dealer. The gearbox is lubricated from factory with a special lubricant. Addition or use of other lubricants in the gearbox is unnecessary and voids warranty. **Gearbox should never be separated from motor;** this voids the warranty and may cause damage to the worm gear.
- If there is a problem with the gear motor (e.g. no power, power only one way, slow operation, etc.), steps must be taken to determine the exact source of the problem. Perform the following checks before removing the gear motor.
 - » Disconnect both motor wires from the motor terminals.
 - » Using a fully charged 12 volt battery, hook a pair of jumper cables with 6 ga. wire or larger, between the battery and the motor terminals **momentarily**. (Do not use a battery charger.)
- If motor runs when connected to the supplemental power source, then the motor is OK and the problem is in the relay, switch, circuit breaker, or wiring. Swap the test wires on the motor leads and the motor should run in the opposite direction. If the motor also runs in the opposite direction, check for the following:
 - » Poor connections or broken wires.
 - » Small gauge wire not capable of carrying enough amps or excessive wire length. Wire length should never exceed 85' with 6 gage wire. (see Tarp Spool Mounting Instructions).
 - » Tarp spiraling or slipping on axle (see Bow Mounting Instructions).
 - » Circuit breaker tripping.
 - » Defective or damaged relay.
 - » Defective or damaged switch.
- If motor does not run when connected to the supplemental power source, then remove it and return for inspection as specified in the Warranty.



INSTALLATION INSTRUCTIONS

Section 7.B: References

Maintenance Manual

Roll Rite, LLC designs its tarping systems and power kits to be as maintenance free as possible, contributing to the overall value of the product.

Maintenance intervals vary based on environmental conditions.

Roll Rite, LLC recommends that:

- All electrical connections should be cleaned and greased regularly to prevent corrosion (fill all electrical boots, limit switch boots, etc. with dielectric grease). Electrical connections can be found at all motors, switches, contactors, limit switches, control boxes and batteries.
- All bearings with grease fittings and tower legs must be greased regularly.
- Check and tension all set screws. Set screws should be tightened until they touch and then torque them $\frac{3}{4}$ of a revolution beyond that.
- Check motor mounting bolts and torque to 70 in-lbs (5.8 ft-lbs).
- All mounting hardware should be checked to insure all system components are securely fastened.
- Visually inspect all moving parts for abnormal or excessive wear.

Thank you

Roll Rite, LLC designs its tarping systems and power kits to be as maintenance free as possible, contributing to the overall value of the product. Once again Roll Rite, LLC would like to Thank You for your business and offer you not only the finest product in our industry, but the best customer service as well. We would like to invite you to visit our web site at www.rollrite.com, where you can find a complete set of parts diagrams.

Additionally we would love to hear from you if you have any questions or issues:

Roll-Rite LLC.

- **Phone:** 800-297-9905
- **Fax:** 888 TARP FAX (888-827-7329)
- **E-mail:** info@rollrite.com

Pulltarps Manufacturing

- **Phone:** 800-368-3075
- **E-mail:** pt.info@safefleet.net