



PolarCool Water Cart Assembly Instructions



Table of Contents

Section 1: Introduction..... 3

Section 1.1: Safety..... 3

 Section 1.1.1: Definitions of Signal Words and Symbols..... 3

 Section 1.1.2: Statements..... 3

 Section 1.1.3: Product Labels..... 4

Section 1.2: Product Overview..... 4

Section 1.3: Scope of Manual..... 4

Section 1.4: Limited Warranty..... 5

Section 1.5: Technical Specifications..... 6

Section 1.6: Components..... 7

 Section 1.6.1: Item Key..... 7

Section 1.7: Recommended Tools..... 9

Section 2: Assembly..... 10

Section 2.1: Step 1..... 10

 Section 2.1.1: Required Fasteners..... 10

Section 2.2: Step 2..... 11

 Section 2.2.1: Required Fasteners..... 11

Section 2.3: Step 3..... 12

 Section 2.3.1: Required Fasteners..... 12

Section 2.4: Step 4..... 13

 Section 2.4.1: Required Fasteners..... 13

Section 2.5: Step 5..... 14

 Section 2.5.1: Required Fasteners..... 14

Section 2.6: Step 6..... 15

 Section 2.6.1: Required Fasteners..... 15

Section 2.7: Step 7..... 16

 Section 2.7.1: Required Fasteners..... 16

Section 2.8: Step 8..... 17

 Section 2.8.1: Required Fasteners..... 17

Section 2.9: Step 9..... 18

 Section 2.9.1: Required Fasteners..... 18

Section 2.10: Step 10..... 19

Section 2.11: Step 11..... 20

Section 2.12: Step 12..... 21

Section 1: Introduction

Section 1.1: Safety

Section – 1.1.1: Definitions of Signal Words and Symbols



This indicates a hazard that, if not avoided, **will** result in death or serious injury.



This indicates a hazard that, if not avoided, could result in death or serious injury.



This indicates a hazard that, if not avoided, could result in minor or moderate injury.



This indicates important information that is not related to hazards.

Section 1.1.2



Do not place body parts, clothing, or other objects in the path of the blades or operate the fan without the guards in place. Death, serious injury, or equipment damage may result.



All wiring must be in accordance with national electrical codes as well as any applicable local codes.



Electric shock may occur when water and electricity are combined in an enclosed environment. Use this equipment only on a GCFI-protected, three-prong receptacle, ideally without an extension cord.



Do not operate this equipment with a damaged power cord or outlet. If the cord and/or outlet is damaged, submit the equipment to an authorized service facility for repair.



California Proposition 65 Warning: This product can expose you to chemicals, including lead, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov/furniture.



To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g. Parts Made at Home Using A 3D Printer).



Do not place the unit near a slope or ledge, even when the casters are locked. If applicable, ensure the 18" unit is well supported when installing the casters.



If applicable, ensure the 18" unit is well supported when installing the casters.



Do not route the power cord under furniture, appliances, carpet, or other coverings. Route the cord away from traffic to minimize the risk of tripping.

Section 1.1.3: Product Labels



Label 4501-0217 displays the PolarCool logo.

Section 1.2: Product Overview

The PolarCool 90-Gallon Water Cart, used with your PolarCool fan, provides enough extra water for a full day of operation. The design uses gravity to supply your PolarCool fan as water evaporates throughout the day. The addition of quick connects on the fill hose and your PolarCool fan makes for quick and easy detachment if refilling the cart requires moving it to a fill station.

Section 1.3: Scope of Manual

NOTICE

This document is subject to change without notice. The latest version is maintained at polarcool.net/customer-service/.

This manual details the following aspects of the PolarCool Water Cart:

1. Product specifications.
2. Unit assembly.
3. Initial setup.

Section 1.4 Limited Warranty

For three years from the date of invoice, PolarCool, a division of HH Technologies, Inc., warrants the motor and any electrical components of the PolarCool Evaporative Cooling System ("the Product") that are found, upon examination by factory-authorized personnel, to be defective in material and/or workmanship.

PolarCool also warrants the metal housing of the Product for the full lifetime of the Product to the extent it is found, upon examination by factory-authorized personnel, to be defective in material and/or workmanship. The Lifetime Warranty on the Product housing does not cover ordinary wear and tear.

If any of the original component parts, including the Product housing, exhibit any defect(s) covered by this Limited Warranty within the applicable time periods defined above, the same may be repaired or replaced at PolarCool's discretion.

This Limited Warranty excludes any labor, equipment, transportation, and/or service expenses that may be required to remedy the warranted defect(s); all such charges must be funded by the purchaser. Neither the Product nor any of its component parts are to be returned for repair or replacement until they have been inspected and/or a Return Goods Authorization (RGA) number has been issued.

Complaints are to be directed first to the authorized distributor who sold the Product. If satisfaction is not obtained and/or the distributor cannot be contacted, complete the warranty form at polarcool.net/polarcool-return-policy/.

This Limited Warranty is void if (a) the Product and/or any of its component parts are found to have been misused, abused, or otherwise tampered with by unqualified personnel; (b) any of the Product's component parts have been replaced by anything other than authorized PolarCool replacement parts; (c) the Product has been modified in any way other than officially sanctioned upgrades made by qualified personnel using authorized PolarCool accessories; (d) the Product has not been appropriately registered by its original purchaser; and/or (e) the customer cannot provide proof of purchase indicating them to be the Product's original owner.

This Limited Warranty is made solely to the original purchaser of the Product. It cannot be transferred.

This Limited Warranty is in lieu of any and all other representations and/or warranties, expressed or implied, including any implied warranty of merchantability and/or fitness for a particular purpose. The remedy set forth by this Limited Warranty shall be the exclusive remedy available to any entity. No entity has the authority to bind PolarCool to any representation or warranty other than this Limited Warranty. PolarCool shall not be liable for any damages or losses resulting from any application of the Product or caused by any defect, failure, or malfunction of the Product.

This Limited Warranty gives you specific legal rights. You may have additional rights, as some areas do not allow the exclusion or limitation of incidental or consequential damages. The above limitation or exclusion may therefore not apply to you.

Warrantor: HH Technologies, Inc. (*d.b.a.* PolarCool)

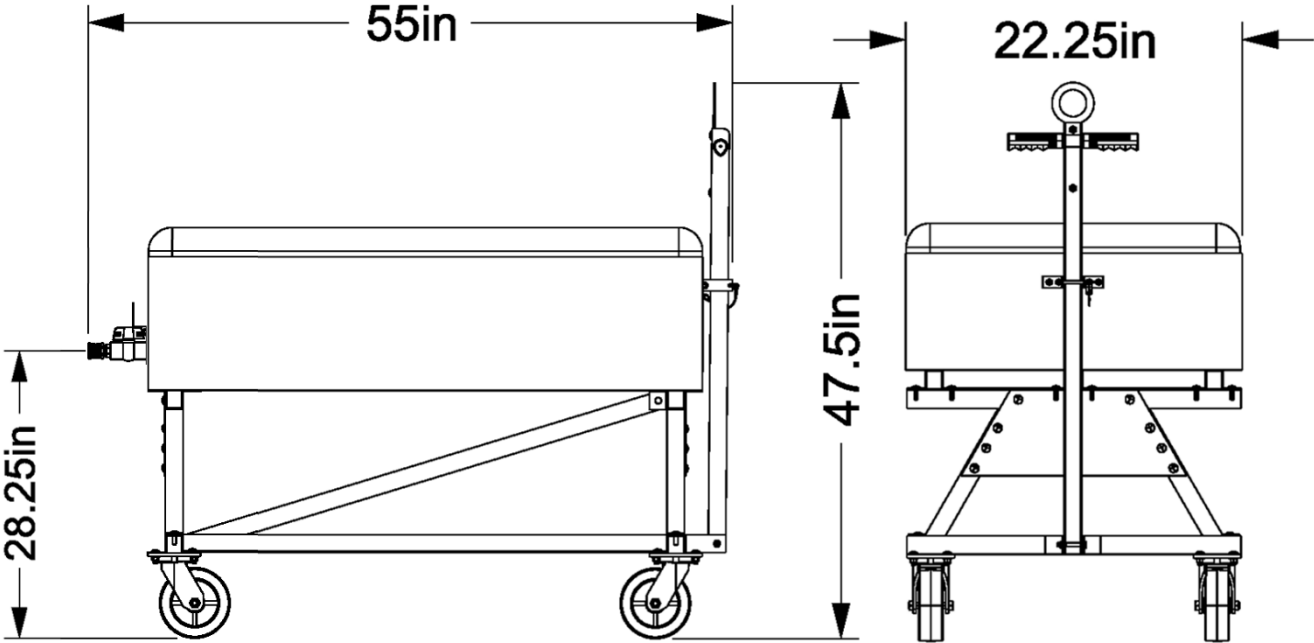
Address: 1733 County Road 68; Bremen, AL 35033

Phone: 256-287-7000

Email: customerservice@hhtech.net

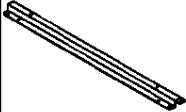
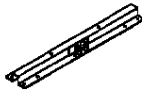


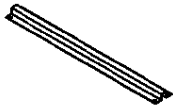
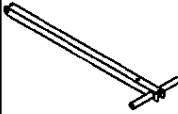
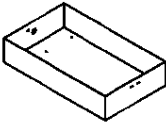
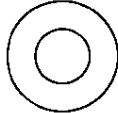
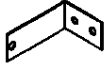
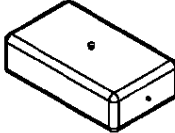


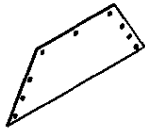


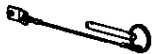
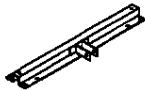

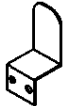



Section 1.5: Technical Specifications

Unit Dimensions LxWxH	55" x 22.25" x 47.5"
Dry Weight	170 LBS
Full Weight	920 LBS
Shipping LxWxH (Stand Alone)	56" x 35" x 20"
Shipping Weight (Stand Alone)	280 LBS
Shipping LxWxH (With Pro)	57" x 35" x 95"
Shipping Weight (With Pro)	600 LBS






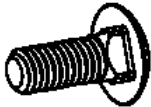



Section 1.6: Components

Section 1.6.1: Item Key

NAME	PART	QTY	NAME	PART	QTY
A		3	N		1
B		1	P		1
C		2	R		1
D		1	S		1
E		2	0006-7003 WATER BLADDER		1
F		4	1065-0100 SWIVEL LOCKING CASTER		2
G		2	1065-0101 STATIONARY CASTER		2
H		1	1048-2984 QUICK RELEASE PIN		1
K		1	0006-7004 GRIP		2
L		1	1010-1006 4 FT GARDEN HOSE		1
M		1	1021-1109 FITTING 3/4 GHT 3/4NPT		1

Section 1.6: Components

Section 1.6.1: Item Key

NAME	PART	QTY	NAME	PART	QTY
1003-3073 DELTRIN WASHER		2	1001-1735 5/16 LOCK NUT, NYLON INSERT		67
1003-6000 3/8 FLAT WASHER		16	1001-1445 NUT 1/4-20		5
6540-1593 HOSE QUICK DISCONNECT		1	1001-8007 NUT #10-24		1
1001-1457 3/8 X 1.00 CARRIAGE BOLT		17	1002-3060 #10 X 1" SELF CLINCH BOLT		1
1002-2377 5/16 X 3/4 CARRIAGE BOLT		65	1002-5009 1/4 X 5/8 SELF CLINCH BOLT		5
1001-1457 3/8 LOCK NUT, NYLON INSERT		17	1002-2376 3/8 X 2 3/4 CAP SCREW		1
1002-2377 5/16 X 2 1/4 CAP SCREW		2	4501-0217 LBL PC BlkWhite PC Small		2

Section 1.7: Recommended Tools

Socket Wrench or Drill
9/16" Nut Driver Bit
1/2" Nut Driver Bit
3/8" Nut Driver Bit
T-25 Bit (included)
Mallet

Section 2: Assembly

Section 2.1: Step 1

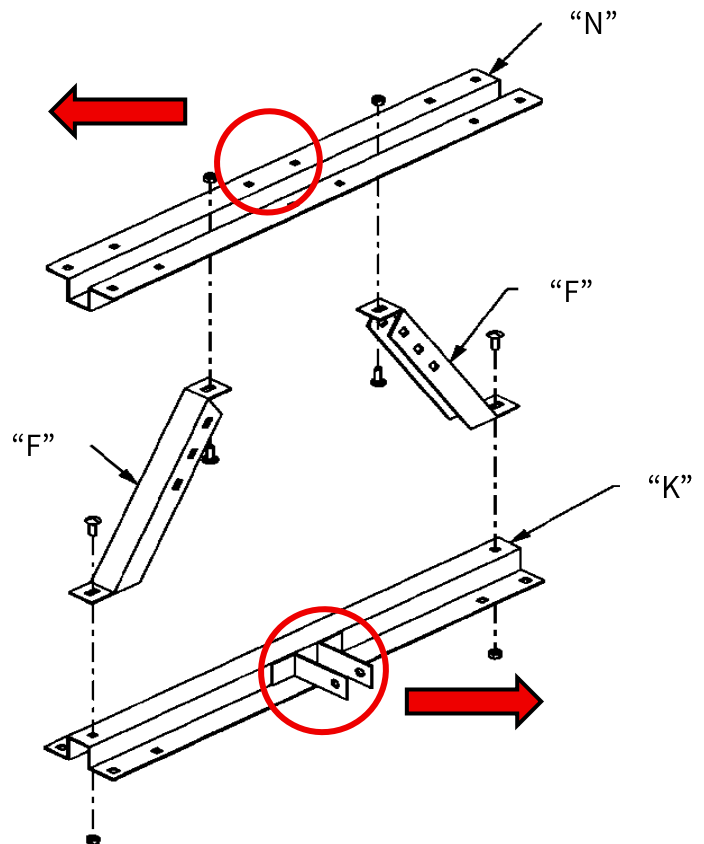
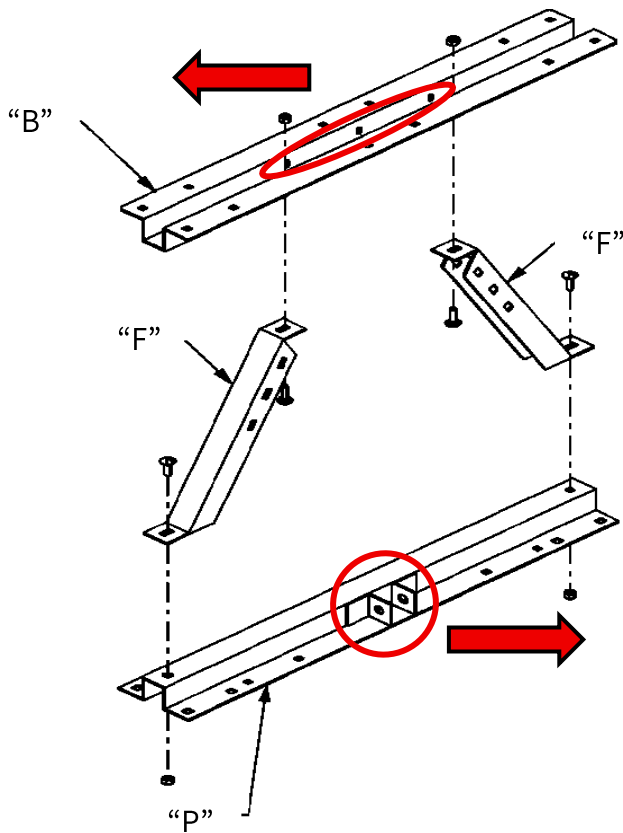
Insert pictured 5/16 x 18 x 3/4" carriage bolts and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until the completion of step 2.**

NOTICE

Ensure that when assembling these parts, the three inner holes on part "B" face the opposite direction of the tongue on part "P". Also ensure that the tongue on part "N" faces the opposite direction of the flange on part "K".

Section 2.1.1: Required Fasteners

Needed: **(8)** 5/16 x 18 x 3/4" carriage bolts | **(8)** 5/16" nylon lock nuts



Section 2.2: Step 2

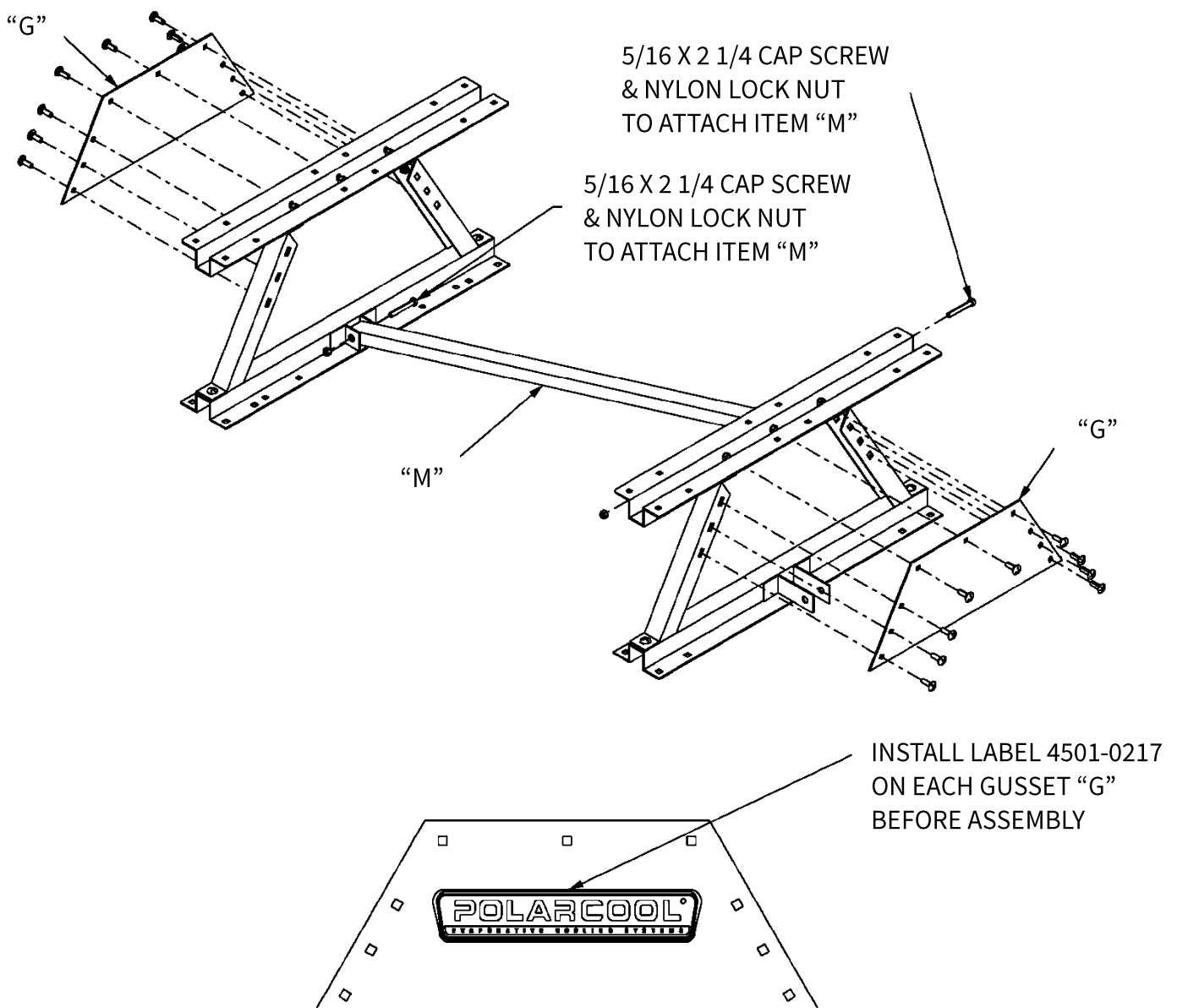
Install label 4501-0217 on each gusset "G" before assembly.

Insert pictured 5/16 x 18 x 3/4" carriage bolts and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until all bolts are in place.**

Insert pictured 5/16" x 2 1/4" cap screws and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until both cap screws are in place.**

Section 2.2.1: Required Fasteners

Needed: **(18)** 5/16 x 18 x 3/4" carriage bolts | **(20)** 5/16" nylon lock nuts | **(2)** 5/16" x 2 1/4" cap screws

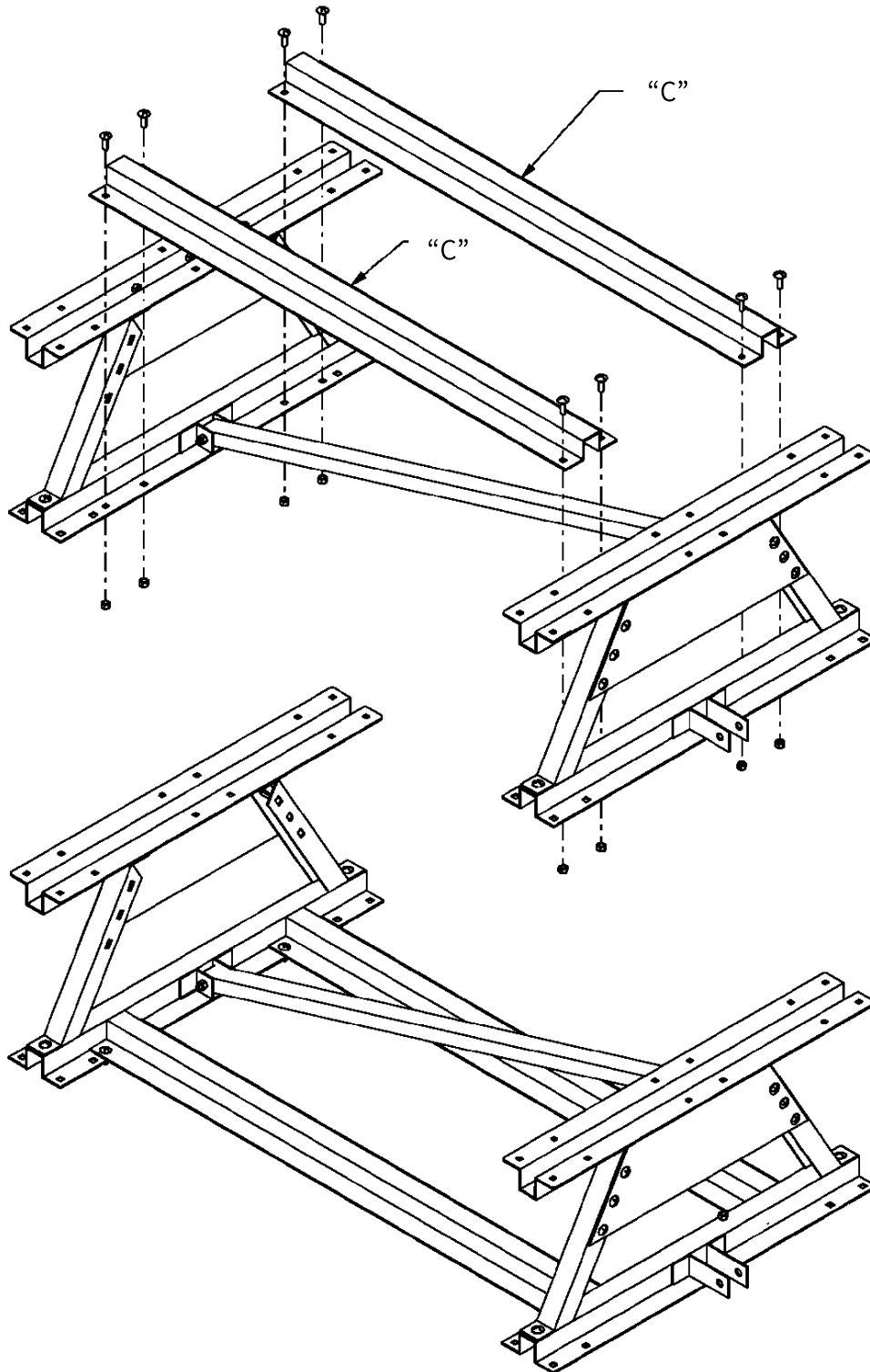


Section 2.3: Step 3

Insert pictured 5/16 x 18 x 3/4" carriage bolts and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until all bolts are in place.**

Section 2.3.1: Required Fasteners

Needed: **(8)** 5/16 x 18 x 3/4" carriage bolts | **(8)** 5/16" nylon lock nuts

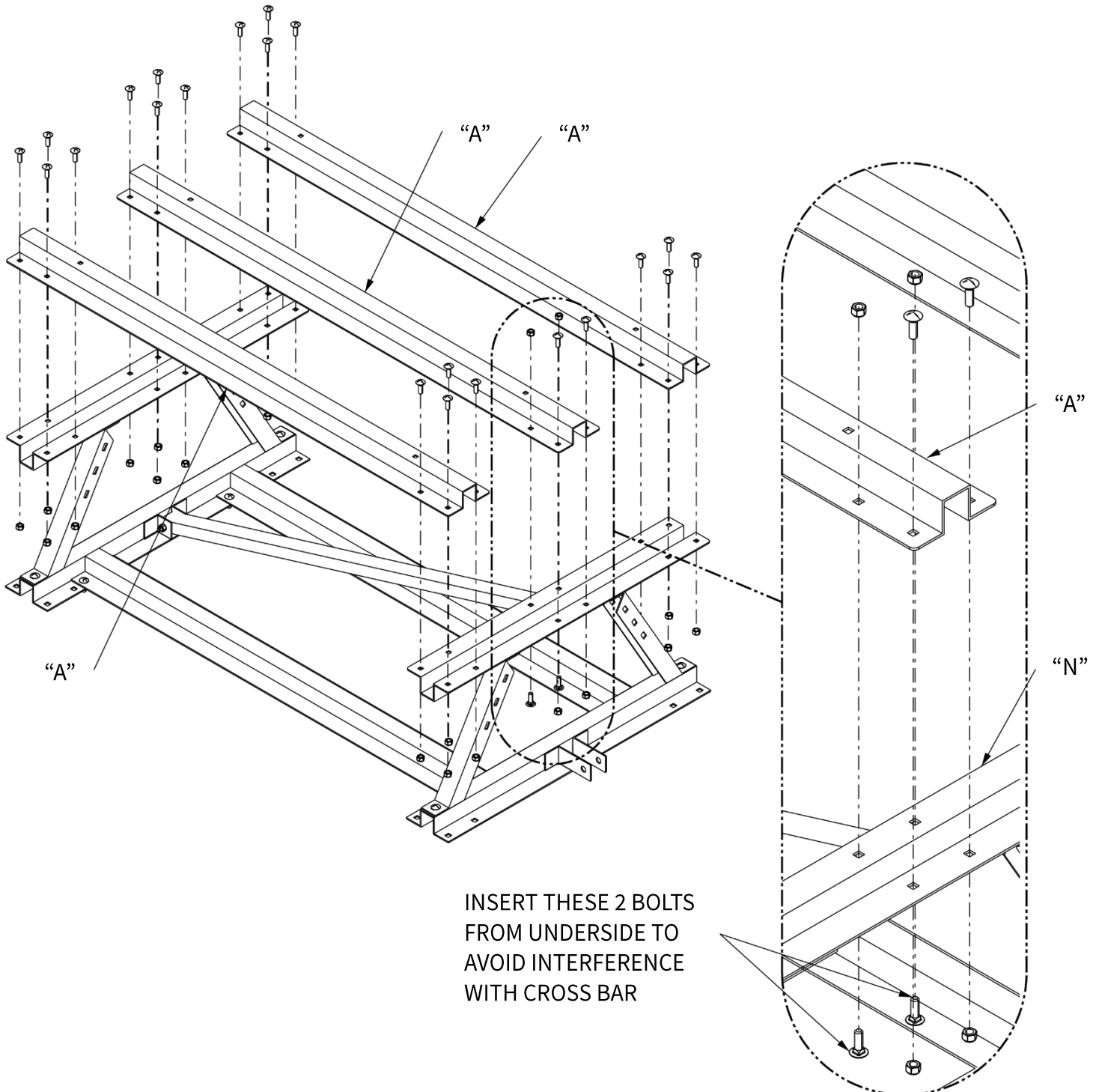


Section 2.4: Step 4

Insert pictured 5/16 x 18 x 3/4" carriage bolts and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until all bolts are in place.**

Section 2.4.1: Required Fasteners

Needed: **(24)** 5/16 x 18 x 3/4" carriage bolts | **(24)** 5/16" nylon lock nuts

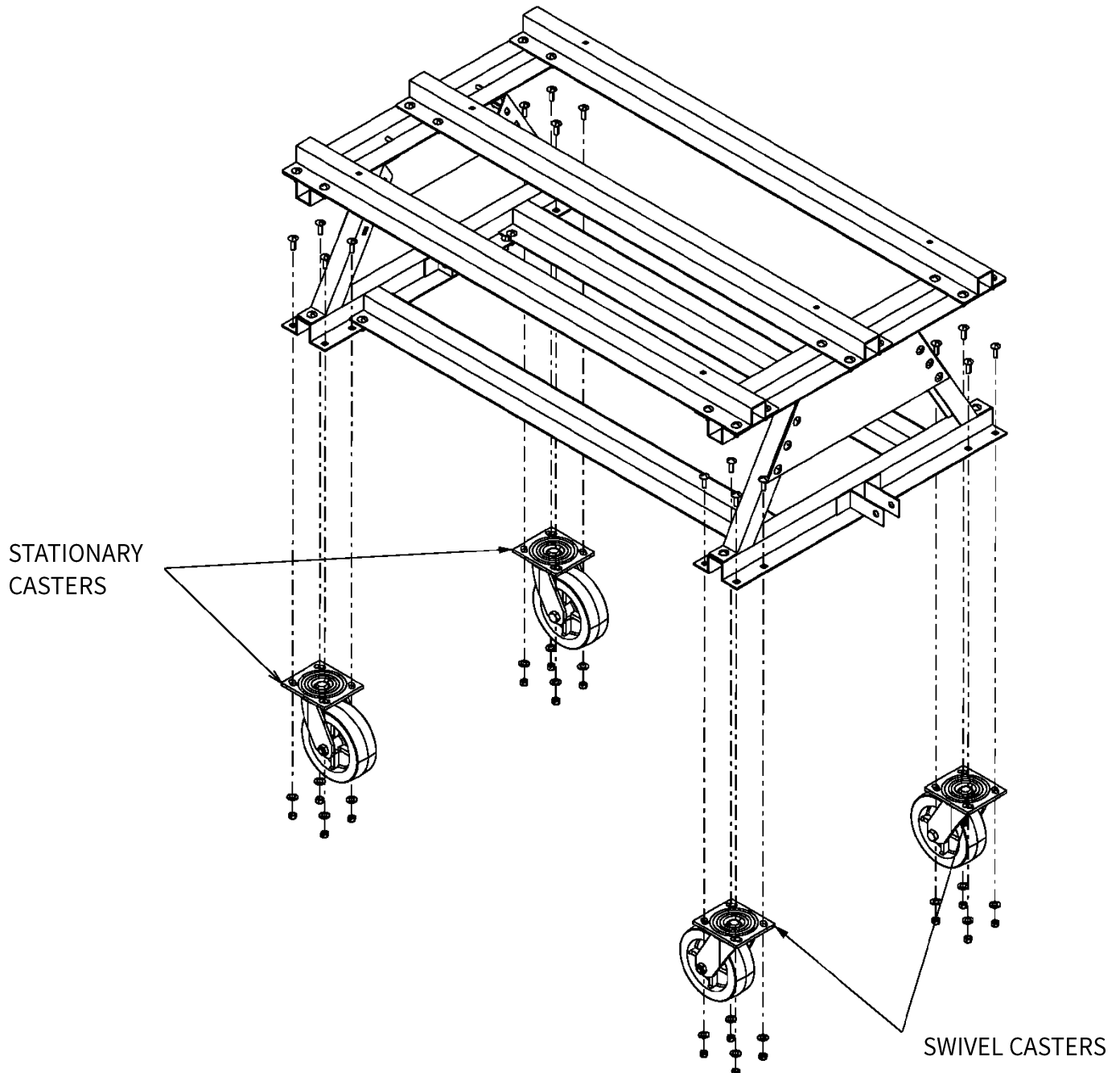


Section 2.5: Step 5

Insert pictured 3/8 x 1" carriage bolts and secure in place with 3/8" nylon lock nuts and 3/8" flat washers. **Do not completely tighten the nylon lock nuts until all bolts and washers are in place.**

Section 2.5.1: Required Fasteners

Needed: **(16)** 3/8 x 1" carriage bolts | **(16)** 3/8" nylon lock nuts | **(16)** 3/8" flat washers



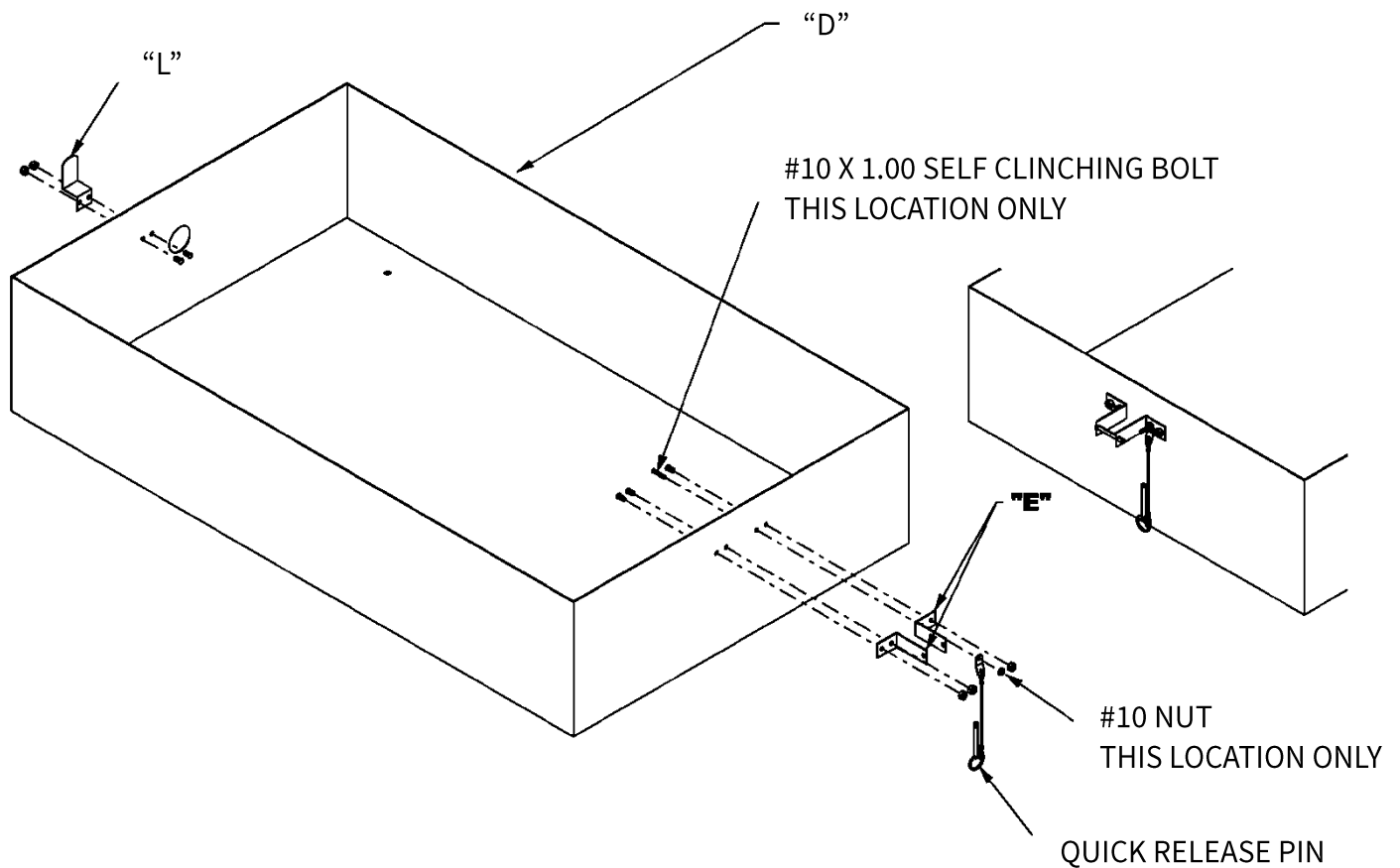
Section 2.6: Step 6

Insert pictured 1/4 x 5/8" self-clinching bolts and secure in place with 1/4-20 lock nuts. **Do not completely tighten the lock nuts until all bolts are in place.**

Insert and tighten pictured #10 x 1" self-clinching bolt and #10-24 lock nut.

Section 2.6.1: Required Fasteners

Needed: **(5)** 1/4 x 5/8" self-clinching bolts | **(5)** 1/4-20 lock nuts | **(1)** #10 x 1" self-clinching bolt | **(1)** #10-24 lock nut

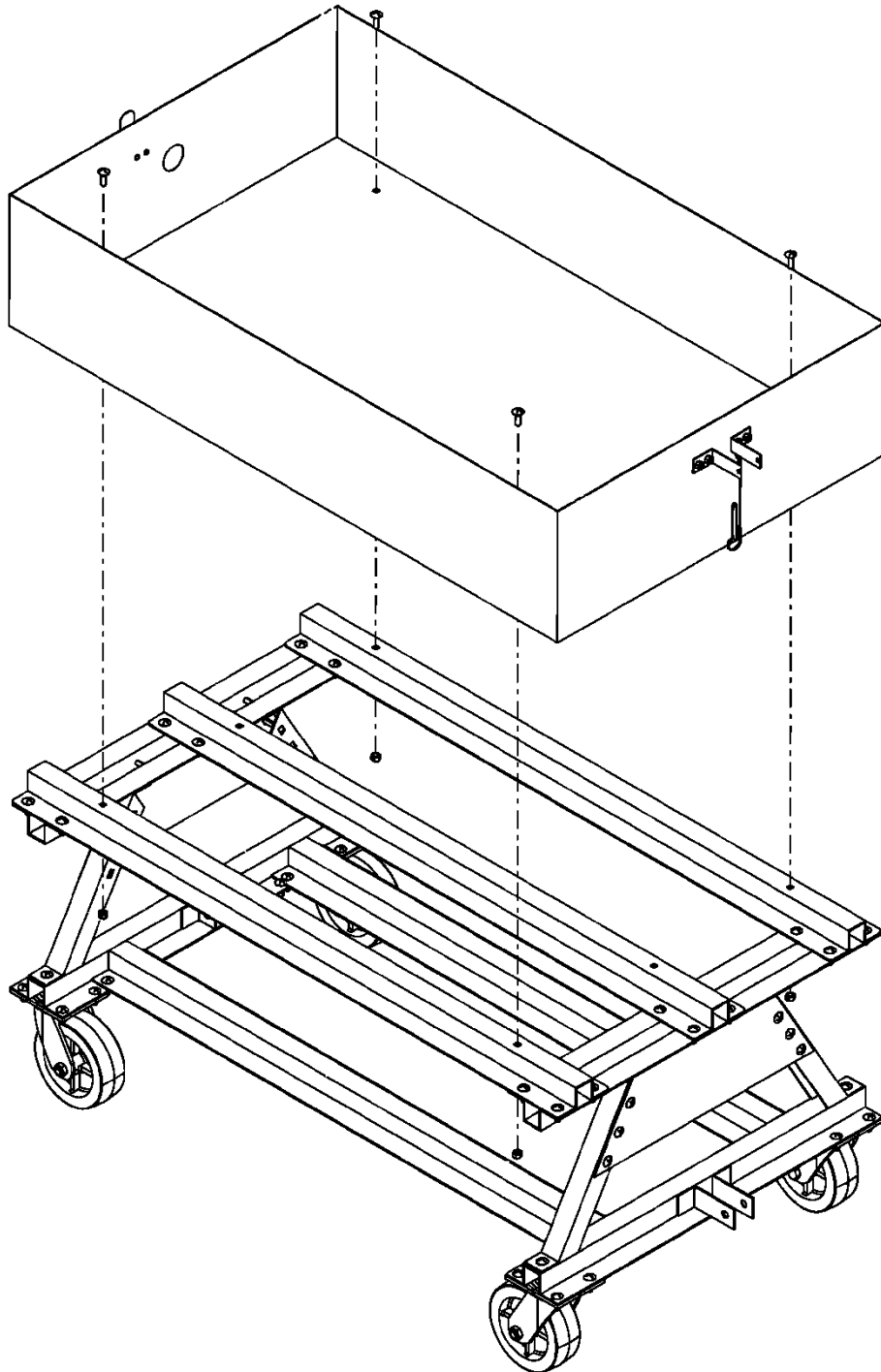


Section 2.7: Step 7

Insert pictured 5/16 x 18 x 3/4" carriage bolts and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until all bolts are in place.**

Section 2.7.1: Required Fasteners

Needed: **(4)** 5/16 x 18 x 3/4" carriage bolts | **(4)** 5/16" nylon lock nuts



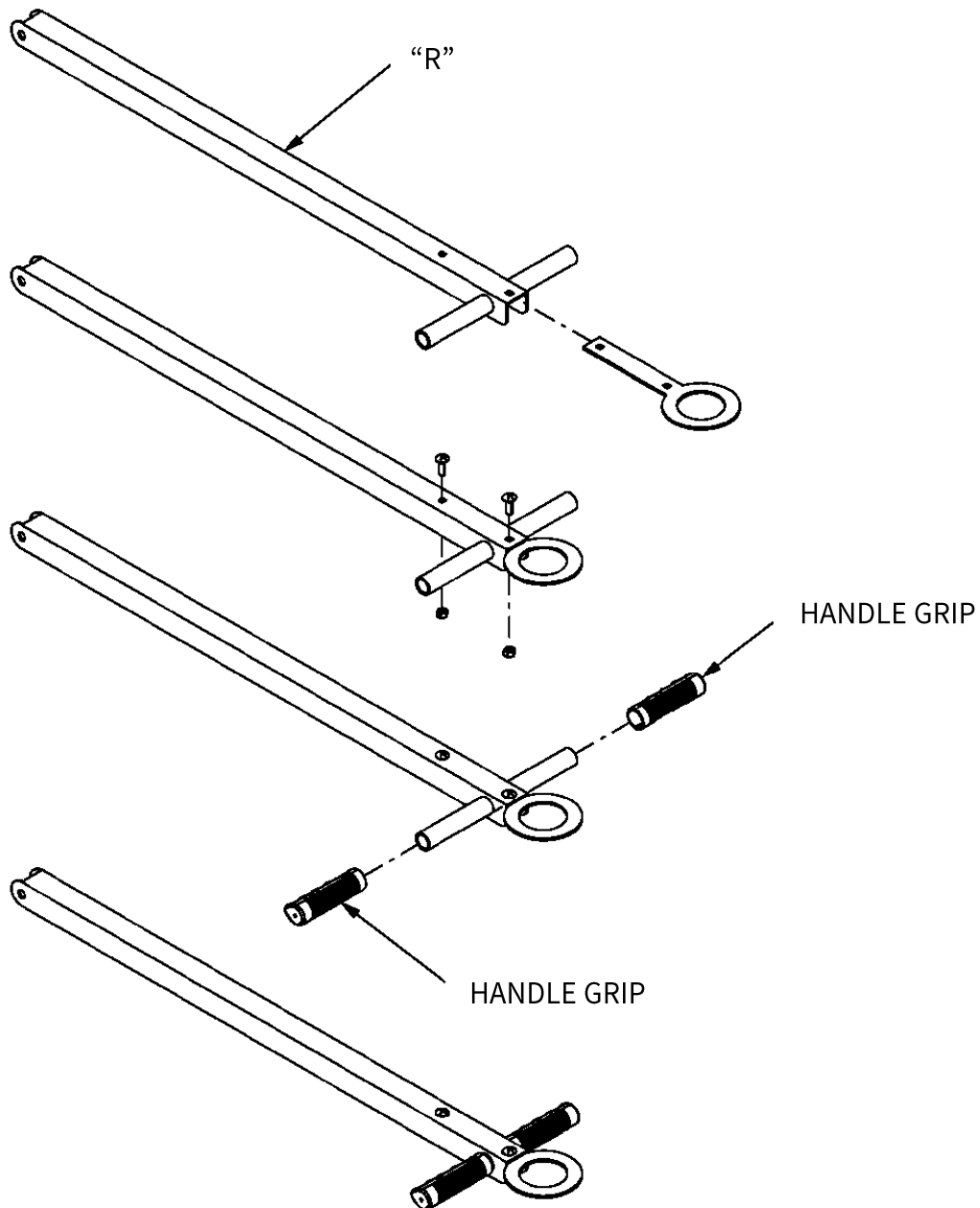
Section 2.8: Step 8

Insert pictured 5/16 x 18 x 3/4" carriage bolts and secure in place with 5/16" nylon lock nuts. **Do not completely tighten the nylon lock nuts until all bolts are in place.**

Attach the handle grips.

Section 2.8.1: Required Fasteners

Needed: **(2)** 5/16 x 18 x 3/4" carriage bolts | **(2)** 5/16" nylon lock nuts

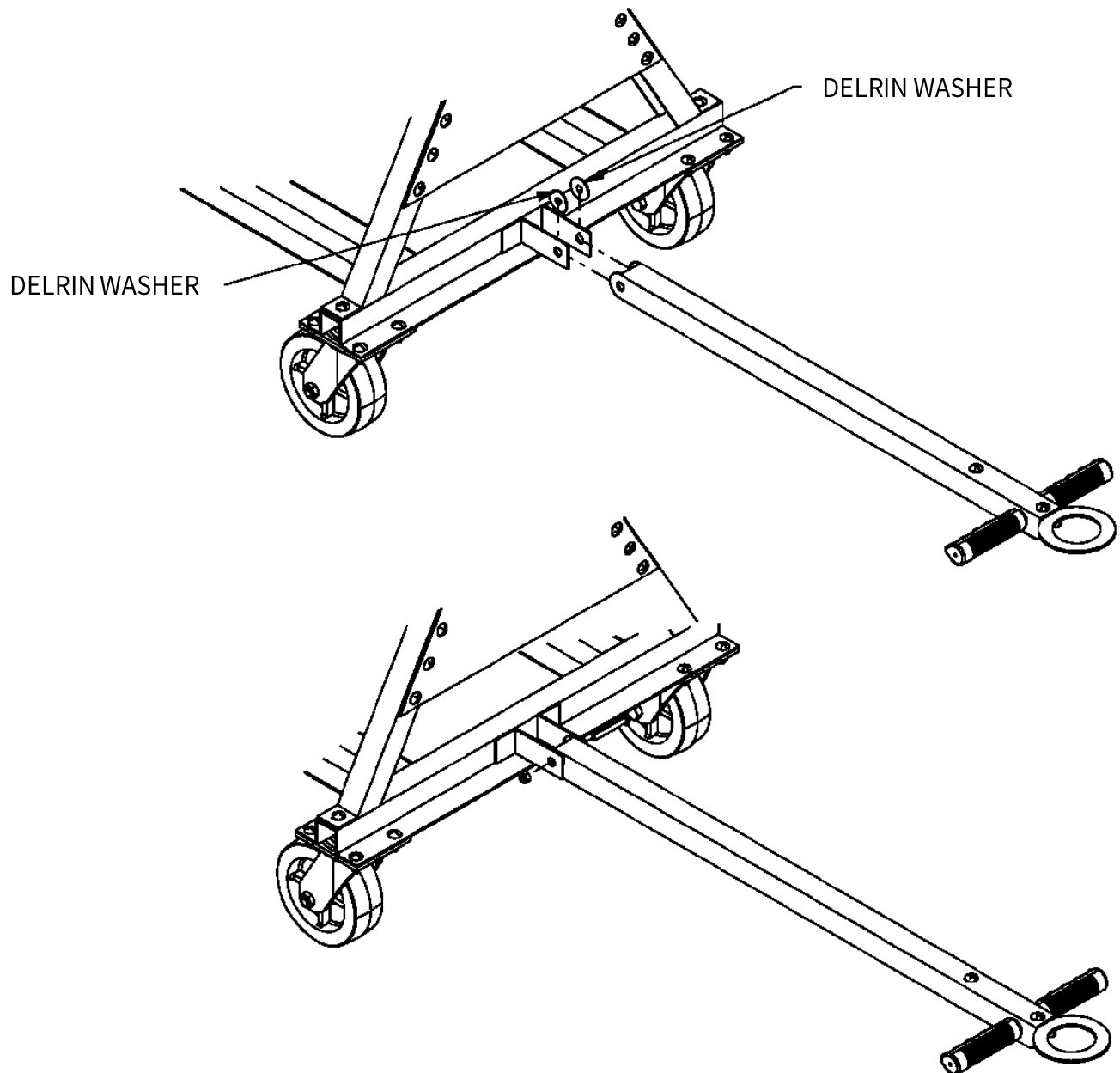


Section 2.9: Step 9

Insert pictured 3/8" x 2 3/4" cap screw and secure in place with 3/8" nylon lock nut and delrin washers. **Do not completely tighten the nylon lock nut until the cap screw and washers are in place.**

Section 2.9.1: Required Fasteners

Needed: **(1)** 3/8" x 2 3/4" cap screw | **(1)** 3/8" nylon lock nut | **(2)** delrin washers

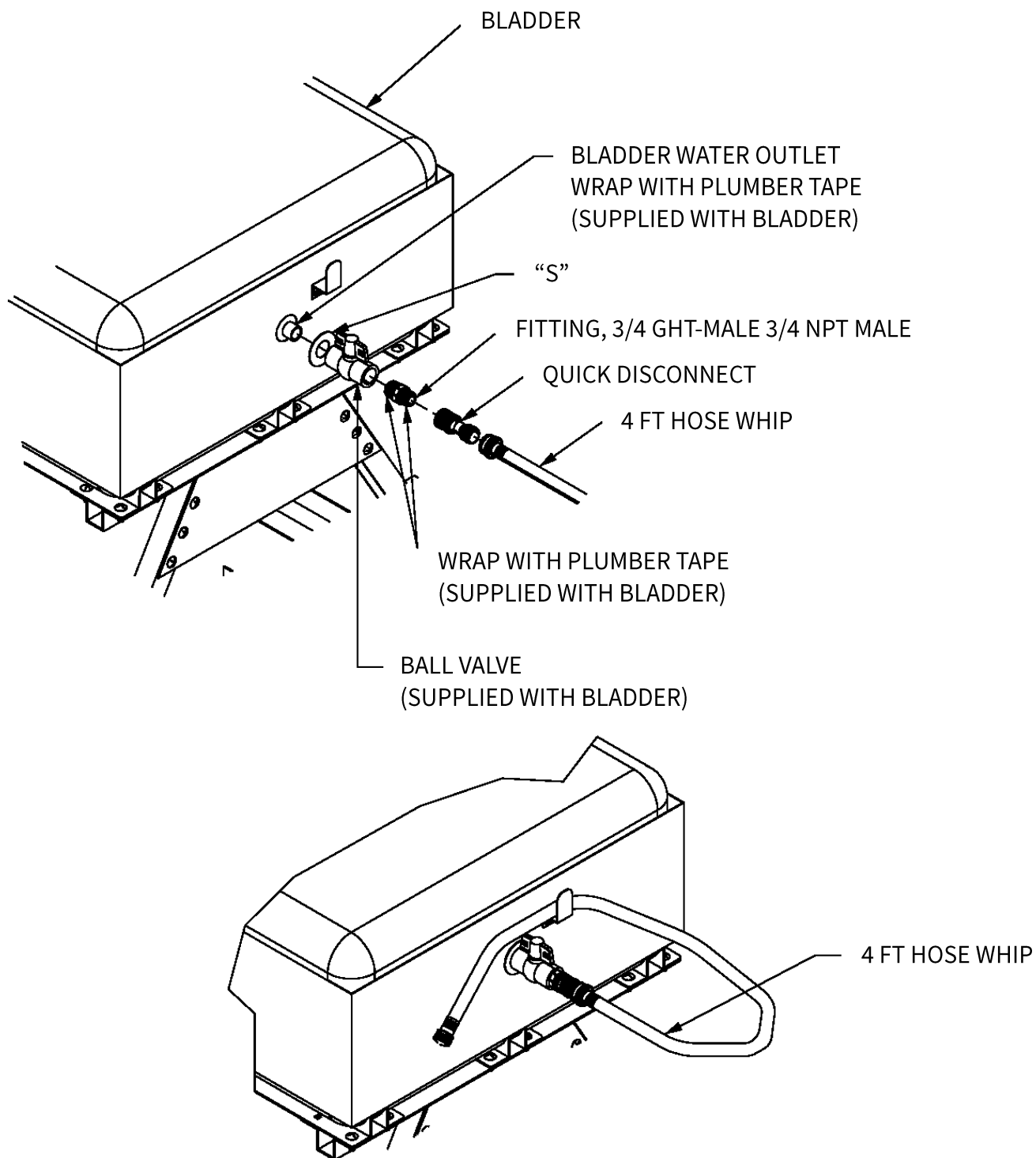


Section 2.10: Step 10

Install the water bladder.

NOTICE

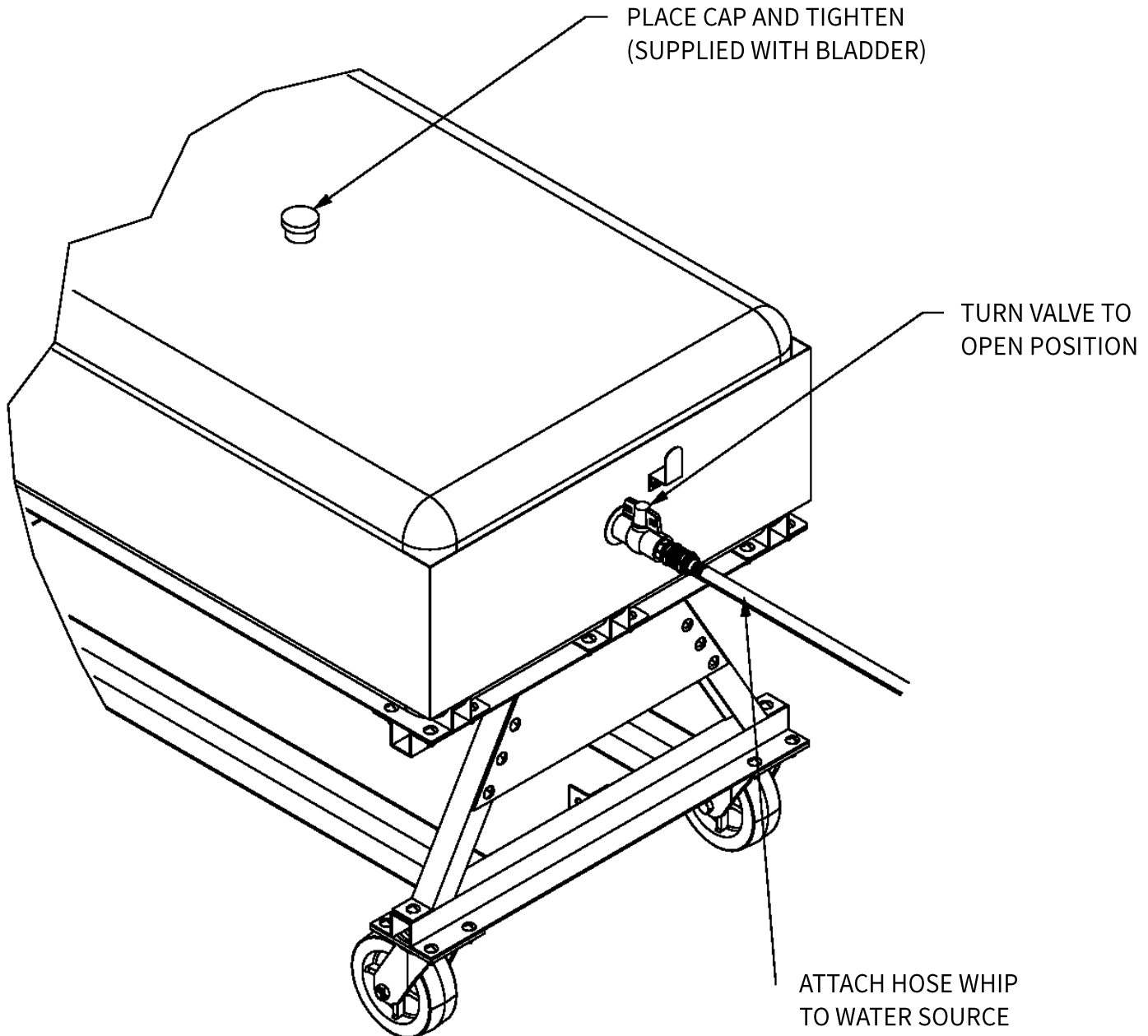
Ensure the bladder is lying flat in the bottom of the pan and there is no pressure on the valve coming out the side before filling the unit with water.



Section 2.11: Step 11

Fill the water bladder:

1. Ensure the cap is installed.
2. Connect the water hose to the quick connect fitting on the bladder valve.
3. Turn the valve to open.
4. Turn the water supply on to fill the bladder.
5. Ensure not to overfill the bladder. It may be required to slightly loosen the cap on top to allow air to escape when filling.



Section 2.12: Step 12

Attaching to Unit:

Connect the unused end of the hose to the female swivel on the PolarCool Pro.

