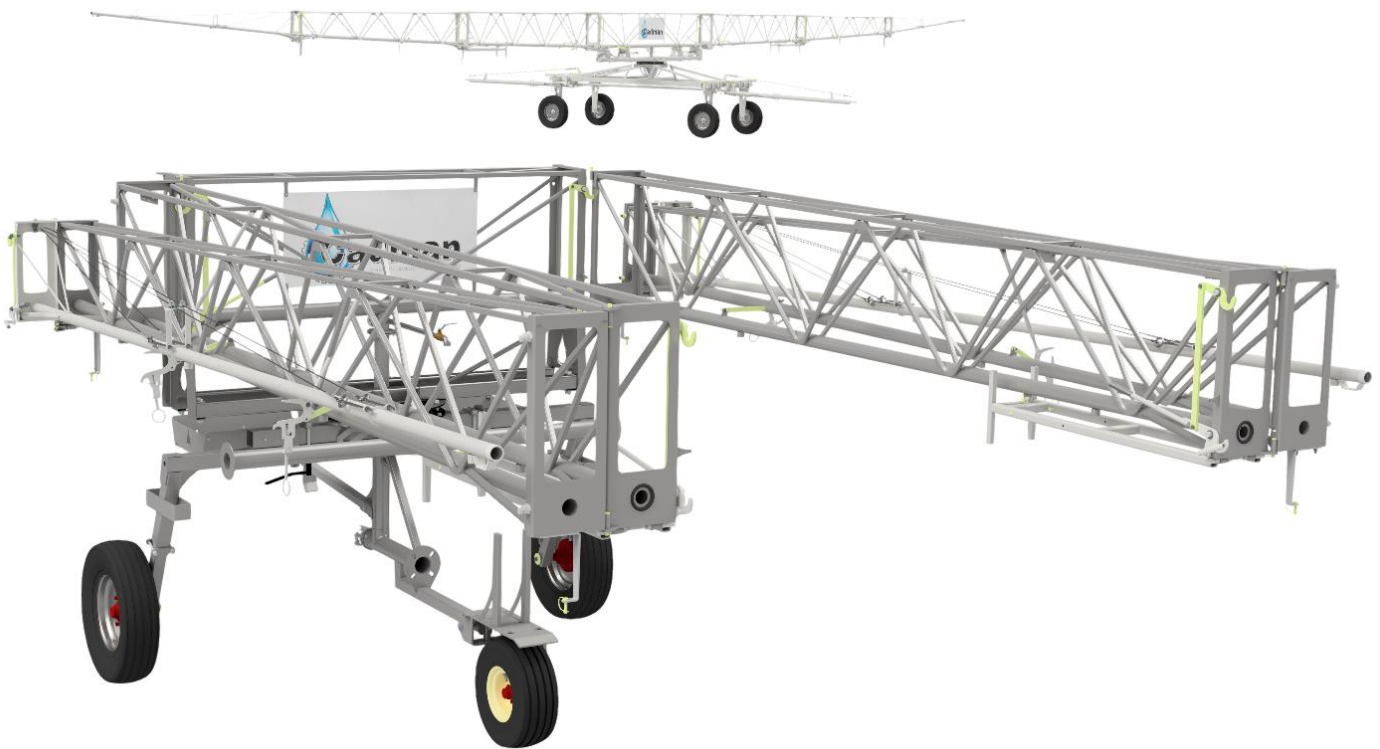




30, 32, 40, 42 Meter Irrigation Boom



OPERATING AND PARTS MANUAL 2023 Edition

CB-MAN-40



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Cadman Irrigation Boom

We would like to thank you for purchasing your new **Cadman Irrigation Boom**. You have purchased a product of superior quality that will serve your needs for a long time as long as you follow this manual and safety procedures.



Figure 1 - 30 and 32 Meter Irrigation Boom

img-01475

BEFORE operating your new **Cadman Irrigation Boom**, inspect the machine for any damage or parts that may have come loose during shipping. **REPORT ANY DAMAGE TO CADMAN POWER EQUIPMENT LIMITED OR YOUR LOCAL DEALER IMMEDIATELY.**

Warranty Policy

CADMAN POWER EQUIPMENT LIMITED warrants that each machine it manufactures shall be free from defects in materials and workmanship. The terms of this warranty are as follows:

- All components manufactured by **CADMAN POWER EQUIPMENT LIMITED** shall be warranted for a period of one (1) year from the date of delivery, except the frame and hose drum structures which shall be warranted for a period of three (3) years.
- **CADMAN POWER EQUIPMENT LIMITED** makes no warranty whatsoever in regard to tires, engines, and other trade accessories used on its equipment. The customer shall rely solely on the warranties offered (if any) by the respective manufacturer of these trade accessories.

The sole obligation to **CADMAN POWER EQUIPMENT LIMITED** under this warranty is limited to the repair or replacement of any part it manufactured, which, in the judgment of **CADMAN POWER EQUIPMENT LIMITED**, failed under normal and proper use and maintenance due to defective materials or workmanship. All freight charges incurred shall be the sole responsibility of the customer.

CADMAN POWER EQUIPMENT LIMITED and its dealers (who are neither authorized nor qualified to undertake any obligations on behalf of **CADMAN POWER EQUIPMENT LIMITED**) **DO NOT**, under any circumstances, accept any responsibility for any losses or costs incurred due to parts failure and/or delays during the parts replacement process.

This warranty will be considered void if any alterations or modifications have been made to the machine without the express written consent of **CADMAN POWER EQUIPMENT LIMITED** outlining the nature and the extent of such modifications. **CADMAN POWER EQUIPMENT LIMITED** will not provide any warranty express or implied to any overdue accounts.

CADMAN POWER EQUIPMENT LIMITED, whose policy is one of continuous improvement, reserves the right to change specifications and designs without notice or incurring obligation.

The warranties expressed herein are non-transferable and replace any other warranties, either written or verbal, which may have been given or implied.

When Applying Liquid Manure

Current and pending laws in agricultural regions of North America change the ways in which the agricultural community needs to manage their liquid animal waste products. As a manufacturer of agricultural equipment, we feel it necessary to make you aware that the municipal, regional and state governing bodies in your area may have created new laws or updated current laws for nutrient handling practices and procedures. The changes in these laws typically target run-off prevention and soil nutrient loading.

Run off may result from several factors. Some (but not all) of the factors are:

- Incorrect application
- Difficult application areas containing steep hills or other features that may make run off more likely to happen
- Changes in weather that would allow run off to happen (sudden storms just before or just after applying, ground frost, etc....)

Constant watch must be kept and immediate action taken when needed to prevent run off from happening.

Soil nutrient loading depends on several variables. Some (but not all) of these variables are:

- The type of crop(s) being grown
- The type of soil the crop(s) are growing in
- Nutritional value of what you are applying
- Nutritional needs of the crop(s) and soil they are growing in

Application timing, nutritional value of what you are applying, and the type of soil will determine the intake rate at which liquid may be applied. Soil analysis taken at appropriate times will help you create a correct application plan for your crop(s). In addition; local colleges, universities, and agricultural extension services are a good source of information. They may be able to help you create an application program that will help prevent problems with your application.

CADMAN POWER EQUIPMENT LIMITED is unable to provide up-to-date recommendations for the laws you must follow in your area. It is your responsibility to make yourself aware of and follow the law in your area. Please contact your local agricultural representative to obtain the latest information for legal handling and application of nutrient.

Safety Precautions

Please take the time to read and understand this manual to avoid errors and unnecessary risks. If you have any questions or concerns, please contact **CADMAN POWER EQUIPMENT LIMITED** or your local dealer/distributor.

FAILURE TO FOLLOW ALL SAFETY INSTRUCTIONS CAN RESULT IN DEATH OR SERIOUS INJURY FOR YOU AND/OR ANY SPECTATORS.

- **DO NOT** move or operate this machine until you have read and understand these instructions in this manual.
- **NEVER** allow untrained persons to operate this machine.
- **DO NOT** perform service this machine while it is in operation.
- **MAKE SURE** all mechanical and hydraulic tension has been released before attempting any service on the machine.
- **CHECK** all fasteners (nuts and bolts) regularly for tightness.
- **PERFORM REQUIRED MAINTENANCE** as prescribed or as necessary to keep this machine in safe operating condition.
- **KEEP ALL SPECTATORS** at a safe distance.
- **STAY CLEAR** of high pressure supply lines, especially when first pressurizing the system.
- **DO NOT** remove or alter any shielding on this machine.
- **KEEP CLEAR** of all moving parts.
- **NEVER** tow this machine at speeds greater than **6 mph [10 km/h]** and be certain the tow vehicle has adequate braking capacity to maintain safe control at all times.
- **NEVER** tow this machine with the boom loaded with fluid.
- **BE AWARE** of any obstacles (i.e. mail boxes, fence posts, and other equipment) that you may encounter when transporting the machine.
- **REGULAR INSPECTION** of your boom couplings, tubing and gaskets should be a part of your regular set-up routine. Any defective parts **MUST** be replaced or repaired before the machine is put into service.



This symbol, the safety-alert symbol, indicates a hazard. When you come across the safety-alert symbol in this manual, make sure you fully understand and abide by the given instructions or warnings.

Safety Decals

Cadman Power Equipment Limited has determined the potential hazards on your Irrigation Boom and has labeled the machine accordingly. The safety decals on this machine are there to warn operators of potential hazards. Each safety decal on this machine contains a Signal Word Panel which shows the degree of hazard. Definitions of the Signal Words are as noted below.



Figure 2 - Danger Decal

img-00340-A

- **DANGER** - an immediate, hazardous situation that if not avoided, **WILL RESULT IN DEATH OR SERIOUS INJURY**.



Figure 3 - Warning Decal

img-00340-B

- **WARNING** - a potentially hazardous situation that if not avoided could result in death or serious injury. This includes hazards that are exposed when guards are removed.



Figure 4 - Caution Decal

img-00340-C

- **CAUTION** - a potentially hazardous situation that if not avoided may result in minor or moderate injury.

Safety Decals Continued

- All safety decals must be clean, clear, and easy to read.
- Replace any decal that is not in good condition.
- Replace any missing decals; it is important to double check that all labels are on your machine, especially if you have modified your machine or have had your machine serviced.

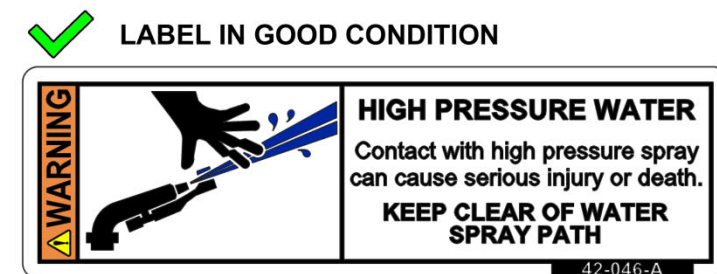
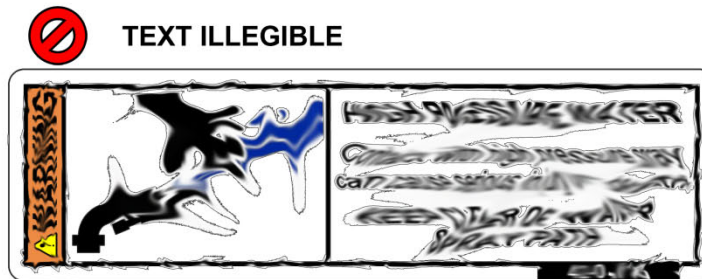


Figure 5 - Replace Decals

img-00131-B

Transport 3 Wheel Cart

Before transporting your Cadman Irrigation Boom verify the following:

Verify that all locking pins and latches are secure. When transporting the irrigation boom to the adjacent pull no further action is required. If you are moving the boom to an area further away you must secure the boom with ropes and/or straps.

When transporting your irrigation boom on public roads then you need to be aware of and comply with any laws regarding transportation that apply to the area the irrigation boom is being transported.

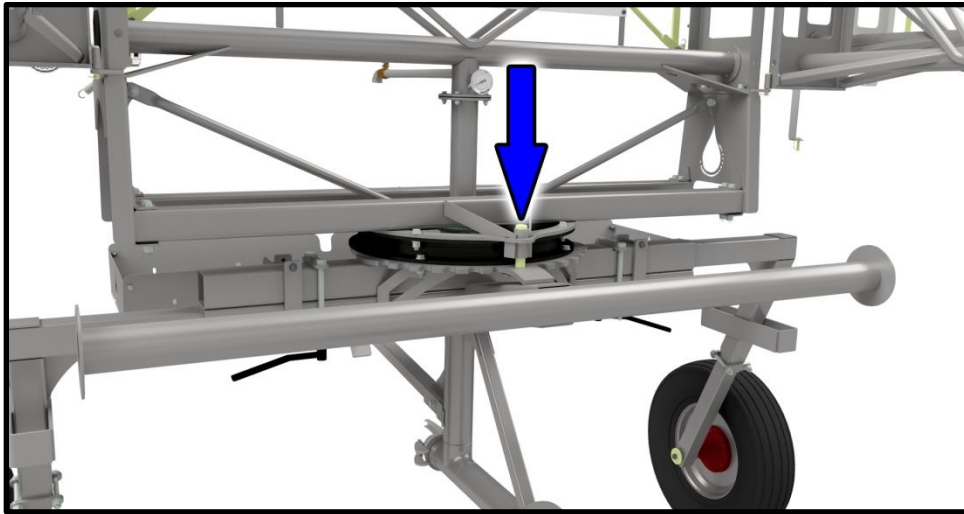


Figure 6 - Lock and Pins Engaged

img-01477

When transporting your irrigation boom to an adjacent pull the center section must be parallel to the boom cart frame. All sections must be folded and latched to the boom and placed on lift.



Failing to follow these transport guidelines may result in equipment damage and/or personal injury.

Transport 4 Wheel Cart

Before transporting your Cadman Irrigation Boom verify the following:

Verify that all locking pins and latches are secure. When transporting the irrigation boom to the adjacent pull no further action is required. If you are moving the boom to an area further away you must secure the boom with ropes and/or straps.

When transporting your irrigation boom on public roads then you need to be aware of and comply with any laws regarding transportation that apply to the area the irrigation boom is being transported.

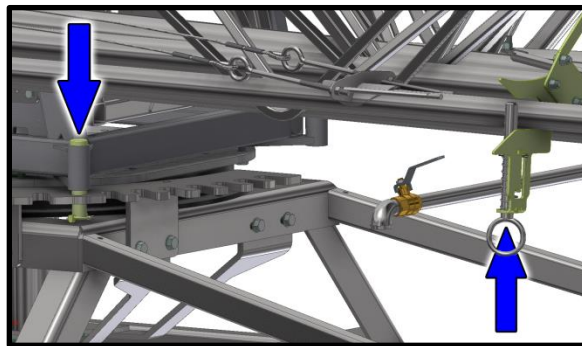


Figure 7 - Lock and Pins Engaged

img-01458

When transporting your irrigation boom to an adjacent pull the frame must be either parallel or perpendicular to the boom cart frame.

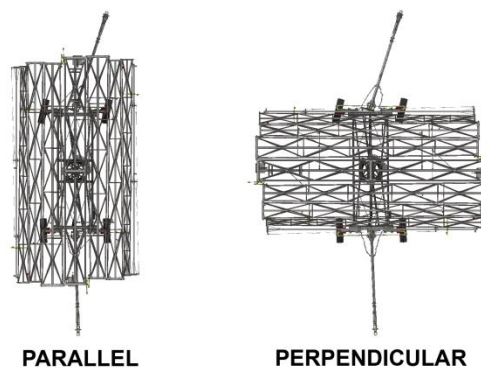


Figure 8 - Boom Towing Orientation - 4 Wheel Cart

img-01459



Failing to follow these transport guidelines may result in equipment damage and/or personal injury.

Lane Spacing - 3 Wheel Cart

Set your desired track width by adjusting the wheel spacing on the boom cart frame. Lift the cart so that both rear wheels are off the ground. Loosen the clamp lock handle (**A**) then the wing nut. Adjust the legs to your required lane spacing. Once you set the proper spacing tighten the wing nut and clamp locking handle (**A**) and repeat the process for the other side. If required you can adjust the wheel height by loosening the nuts (**B**). Extend or retract the wheel as required. Ensure the wheels are at the same height to keep the boom balanced. Tighten the nuts to lock the position. When adjusting the wheel height make sure that the turntable is level in all directions. This will allow the cart to tract true.

Wheel spacing is adjustable from **42"** to **80"** with other spacing kits available. Verify bolts are tight after adjusting your track width.

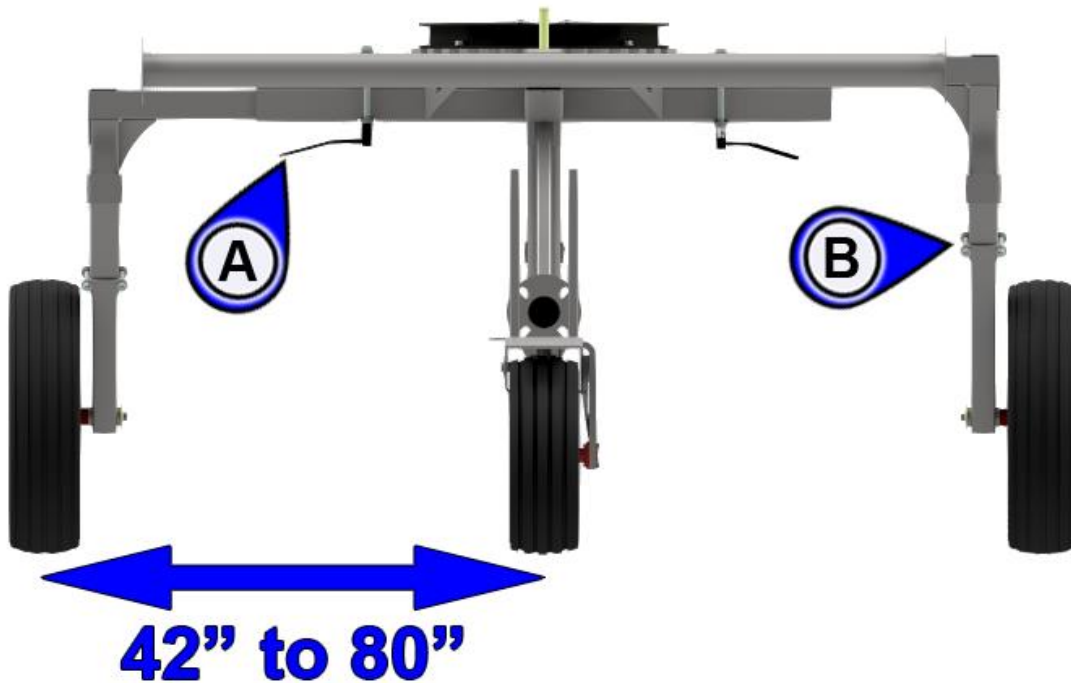


Figure 9 - Lane Spacing Adjustment - 3 Wheel Cart

img-01476



Failing to secure wheels after adjusting spacing will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause serious injury and/or death.

Lane Spacing - 4 Wheel Cart

Set your desired track width by adjusting the wheel spacing on the boom cart frame. Disassemble the steering joint at (A) and loosen both bolt sets at (B) and (C) before sliding the arm to your desired spacing. Loosen the jam nut on the tie-rod and begin to twist to change the tie-rod to an appropriate length to be able to reassemble joint (A). Lastly tighten bolt sets at (B) and (C).

Wheel spacing is adjustable from 60" to 80" with other spacing kits available. Verify bolts are tight after adjusting your track width. Equally adjust the steering tie-rods.

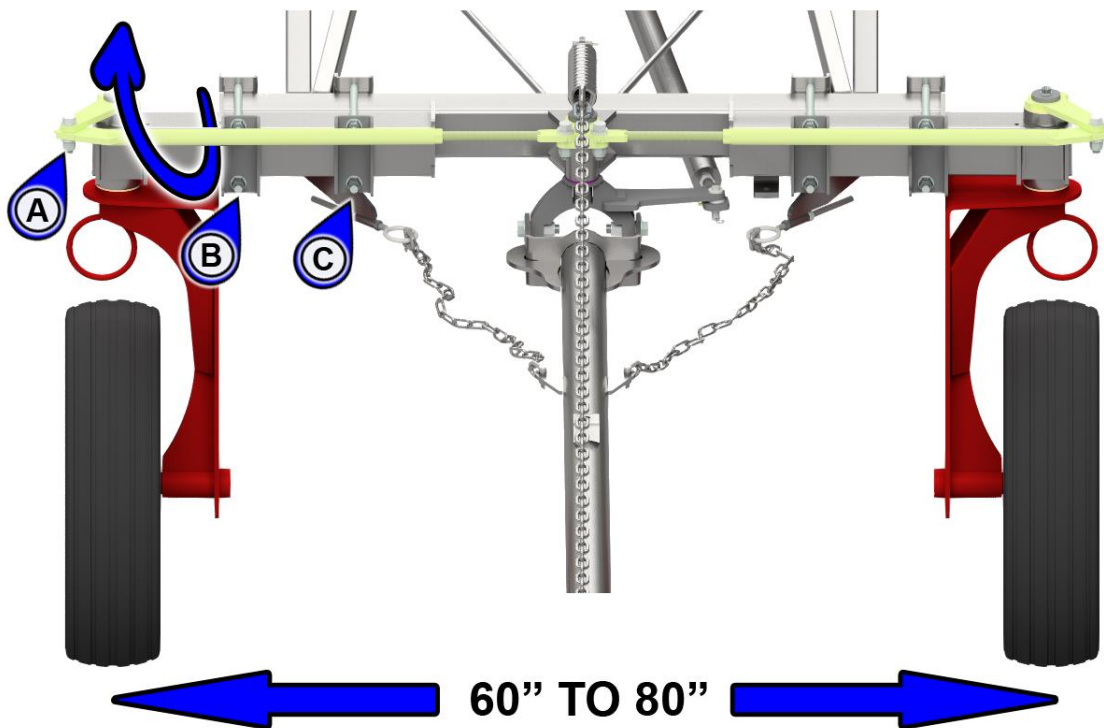


Figure 10 - Lane Spacing Adjustment - 4 Wheel Cart

img-01478

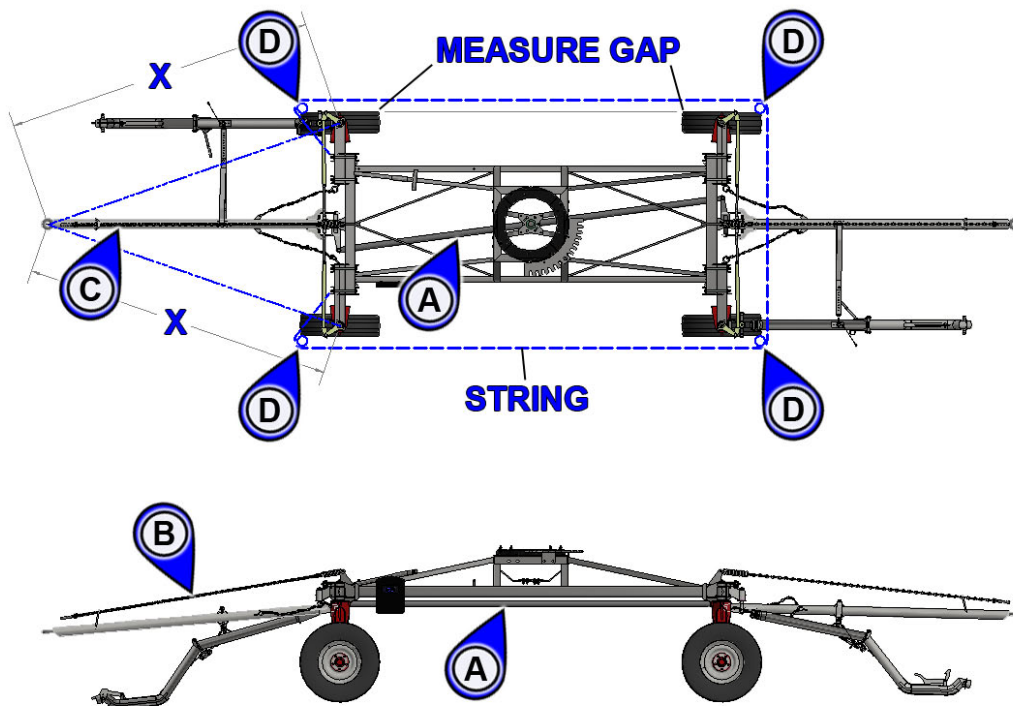


Failing to secure wheels after adjusting spacing will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause serious injury and/or death.

Wheel Alignment - 4 Wheel Cart

It is important to ensure the alignment is true so that the irrigation boom tracks properly. When replacing steering components or changing lane spacing complete this process:

- Ensure the boom is located on a flat surface before checking the wheel alignment.
- Disconnect the center steering bar (A).
- Disconnect/Slacken the tongue chain (B) and place on a stand about 20 inches (500mm) from the ground.
- Ensure the tongues (C) are dimensions (X) are equal for each end.
- Using a string and 1 inch (25mm) spacers (D). Attach the string to the frame. Install a spacer at the widest points of all wheels as shown in image below.
- Measure the gap of the trailing wheel. The dimension should be between 7/8 - 29/32 inch (22-23mm) given 3/32 - 1/8 inch (2-3mm) tow-in. Adjust the tie-rods as required.
- Re-connect the center steering arm, adjusting as required.
- Ensure the water feed and tow bar are parallel.
- Ensure that all fasteners are tightened.

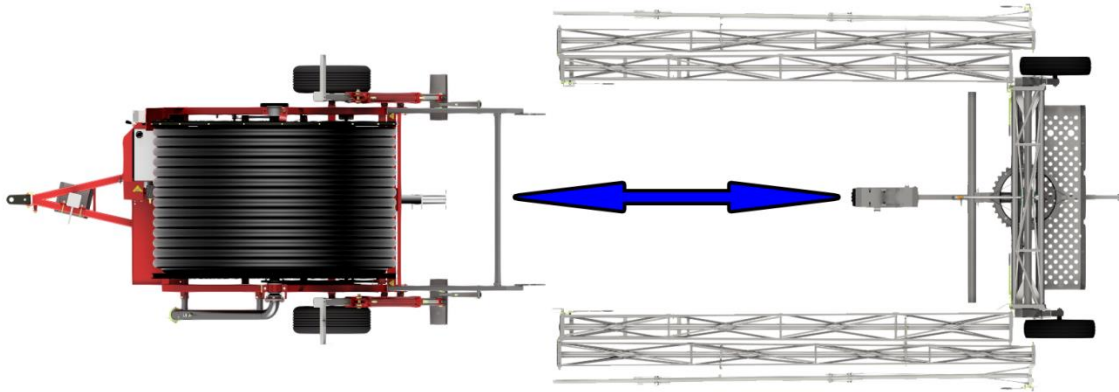


Alignment Detail

img-01474

Connecting to Traveller - 3 Wheel Cart

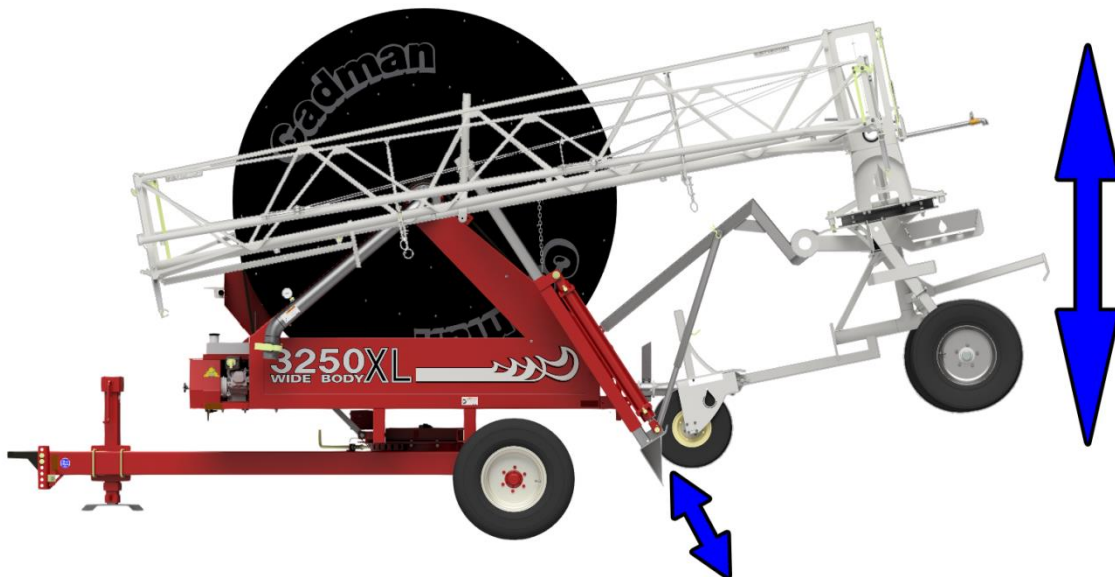
Position the traveller so that center of the reel is lined up with the center wheel of the boom. Connect the hose flange to the boom. If required, cut the hose so that the end of the pull is at the middle of the reel.



Align Boom and Reel

img-01479

Lower the stabilizer legs securing the hose reel. Reel in the hose pulling the irrigation boom. Pull the boom until it is close enough to be lifted by the lift arms. Slowly raise the stabilizer legs. Ensure that the boom cart is hooked into place. Make sure the cart is fully engaged with the lift.



Cart Lift

img-01480

Connecting to Traveller - 4 Wheel Cart

After choosing which side of the irrigation boom to connect, remove the blanking plate or cap. Once removed attach the blanking plate or cap to the opposite sides inlet pipe.

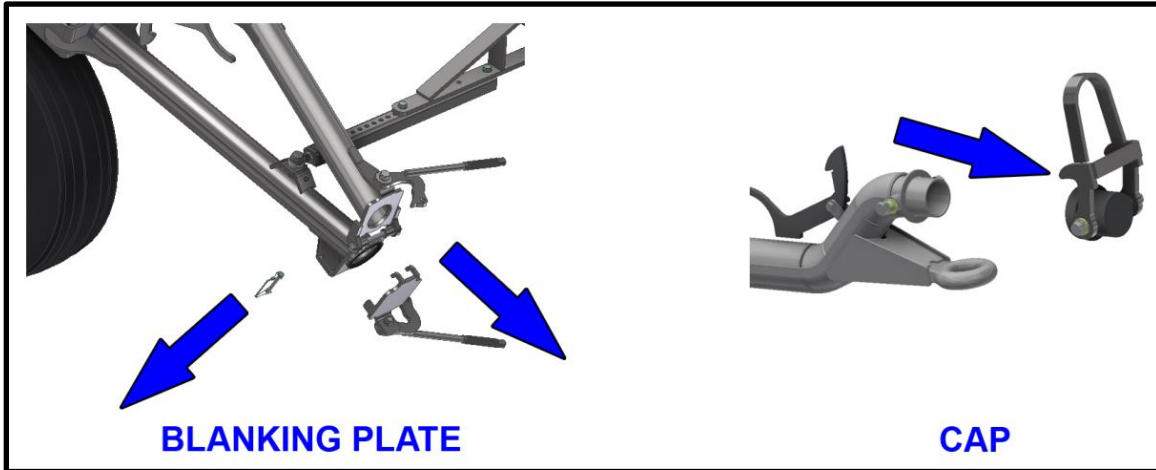


Figure 11 - Blanking Plate or Cap

img-01461

For the offset feed option proceed to flip the connector tube (1). Turn the handle (2) locking the connector tube. Replace the quick pin (3) to ensure the tube is secure.

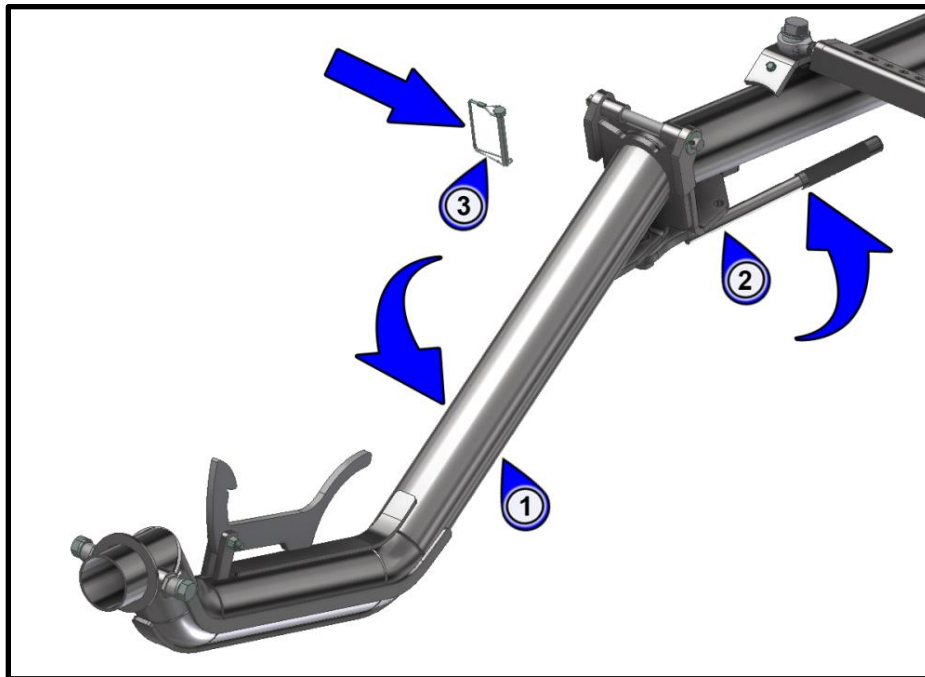


Figure 12 - Offset Connector Tube

img-01462

To assist the position of the hose during operation a lay-flat hose connector is used and can be attached as shown. Lower the (A) hook over top the latch (B) which is also lowered to tighten the connection. Part (C) is secured to the cart and must be placed over the lay-flat hose where it is locked during operation to prevent hose kinking.

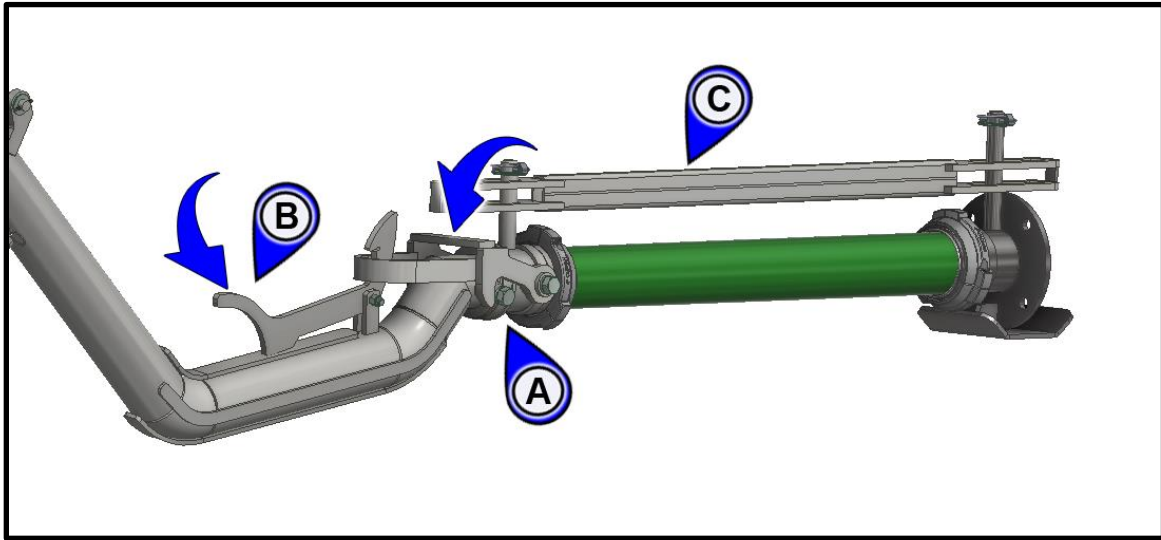


Figure 13 - Lay-Flat Hose Connector

img-01463

Unfolding Boom

Step 1



Not securing the front of the 3 wheel cart down while unfolding it will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause serious injury and/or death.

Begin unfolding your irrigation boom by locking your boom frame to the turntable at 90 degrees to the cart frame. The center sprinklers must face away from the traveller so that the irrigation is behind the irrigation boom.

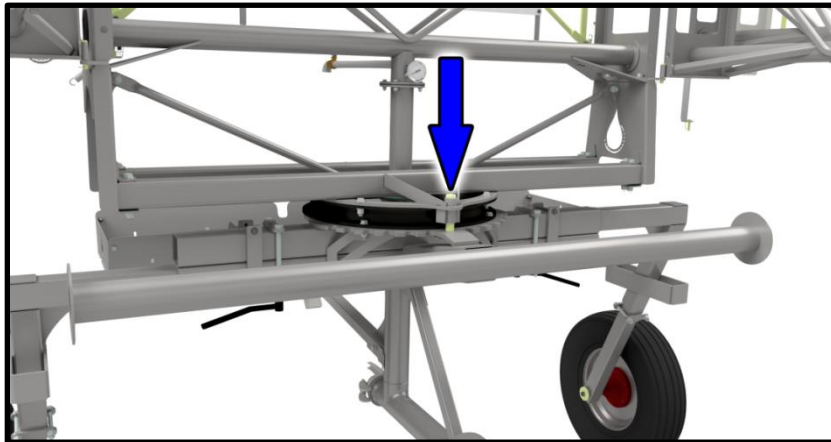


Figure 14 - Lock Pin - 3 Wheel Cart

img-01477

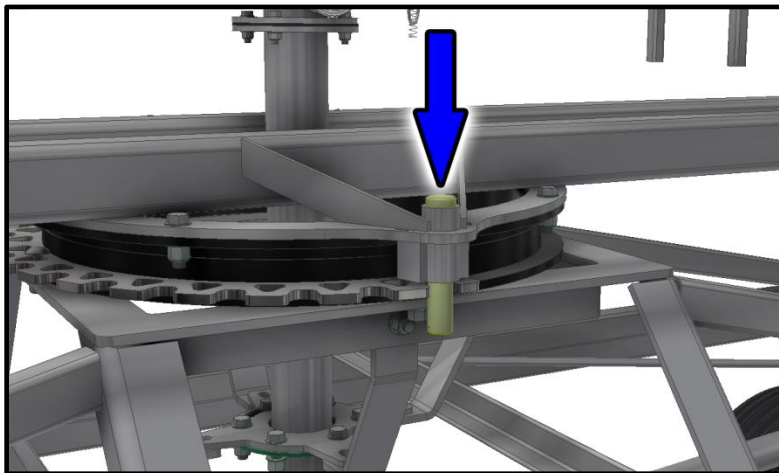


Figure 15 - Locking Pin - 4 Wheel Cart

img-01486

Pull the locking pin to lower the stabilizers until they are on the ground, then relock into position. Repeat this process for the opposite side. Verify that they are locked into place.



Figure 16 - Lower Stabilizers - 3 Wheel Cart

img-01481

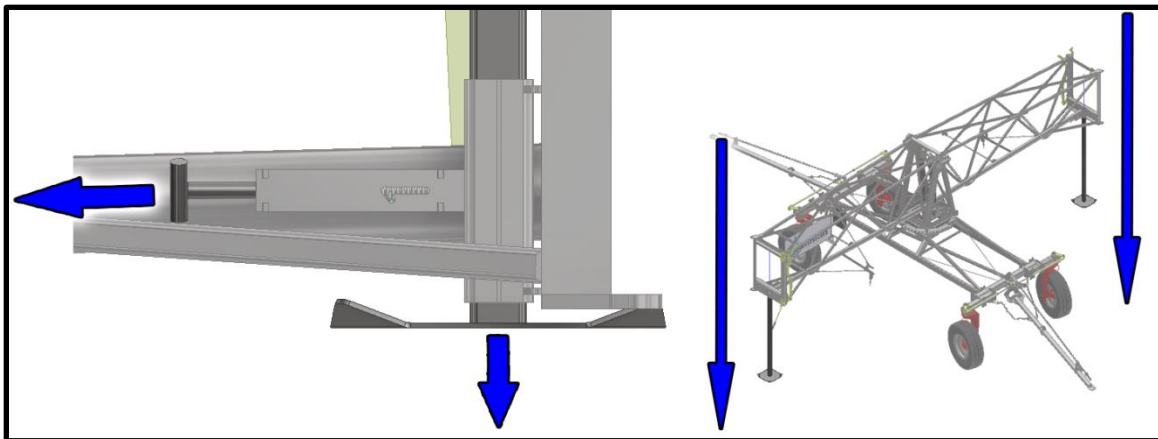


Figure 17 - Lower Stabilizers - 4 Wheel Cart

img-01465



Not locking the boom frame to the cart frame at a 90 degree angle while unfolding it will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause serious injury and/or death.



Failure to lower and lock your irrigation boom stabilizers before unfolding your irrigation boom will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause serious injury and/or death.

Step 2

Unfold your irrigation boom one section at a time, while alternating sides as you unfold sections one at a time. Guide each section as they rotate to the open position. Verify that each boom section is completely latched before unfolding the next section.

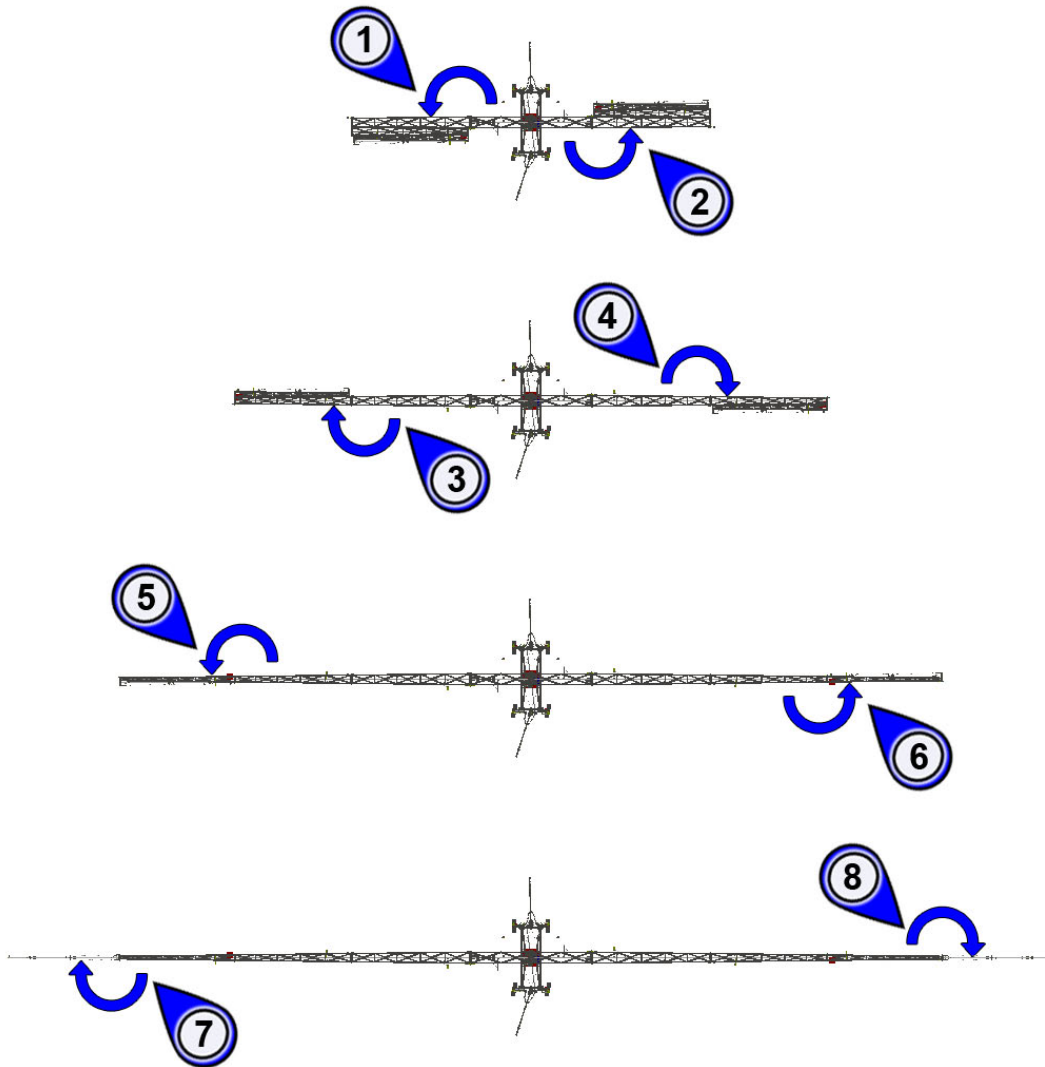


Figure 18 - Unfolding Boom Order - Typical Unfold

img-01466



Failing to open your irrigation boom by alternating sections will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause injury and/or death.

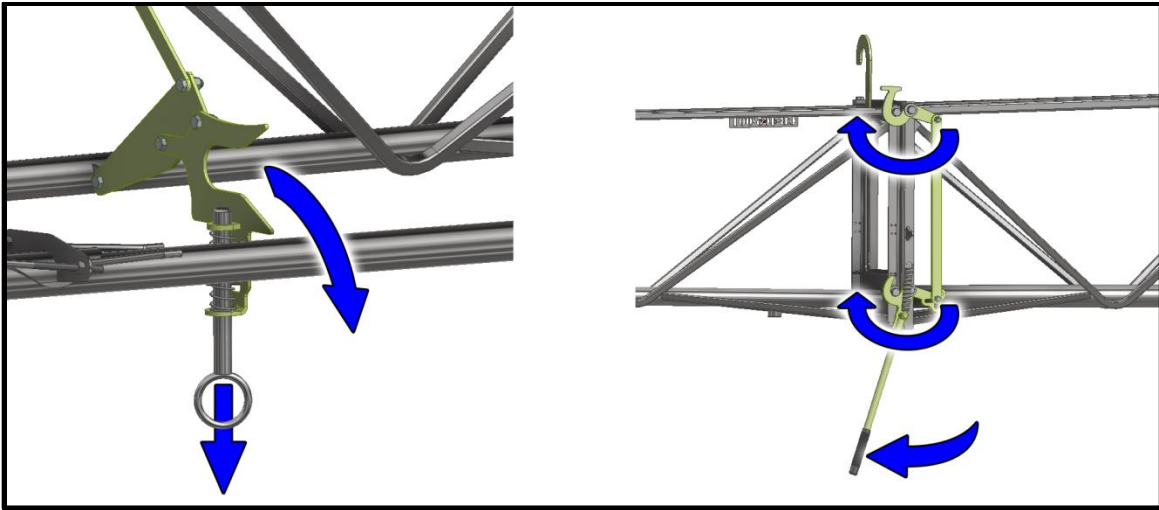


Figure 19 - Unhook Section then Latch

img-01467



Failure to unhook, guide and then securely latch each section as you unfold it will result in the irrigation boom being unable to correctly support itself. This will result in damage to your irrigation boom, damage to crops and/or property during operation. It may also lead to serious injury and/or death.

Attach leader weights to the boom frame to keep the irrigation boom stable during operation. Ensure that the center boom is balanced by adjusting weights on the outer parts of section 4.

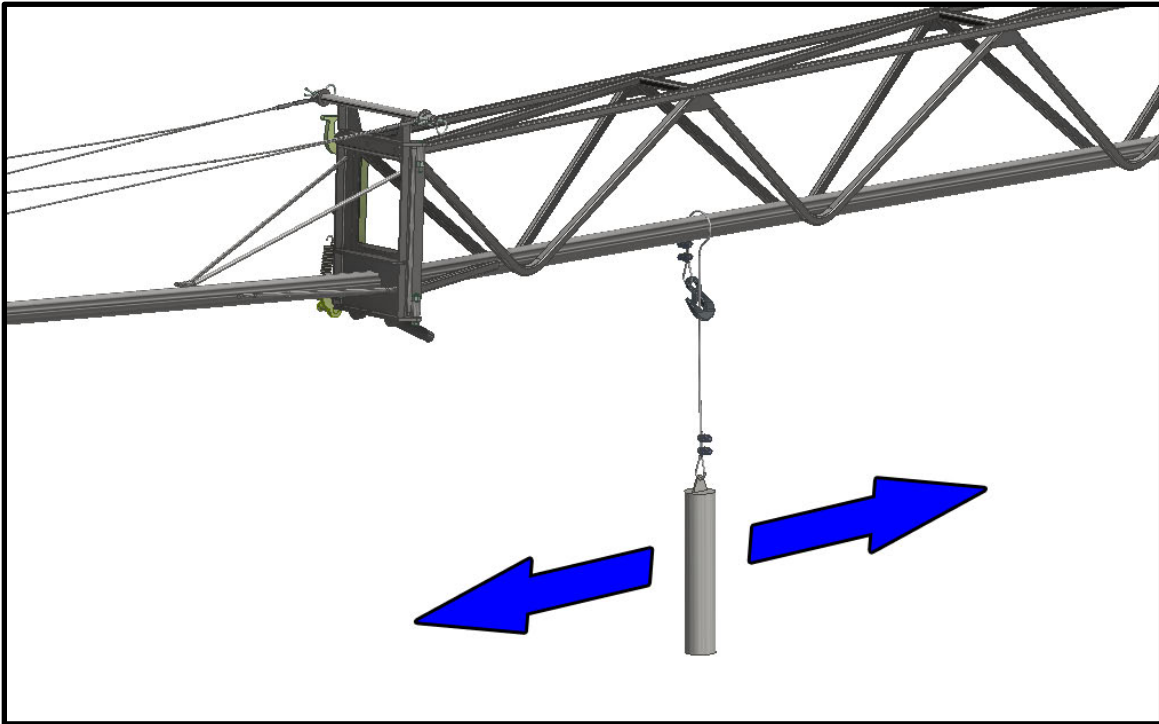


Figure 20 - Leader Weight

img-01469

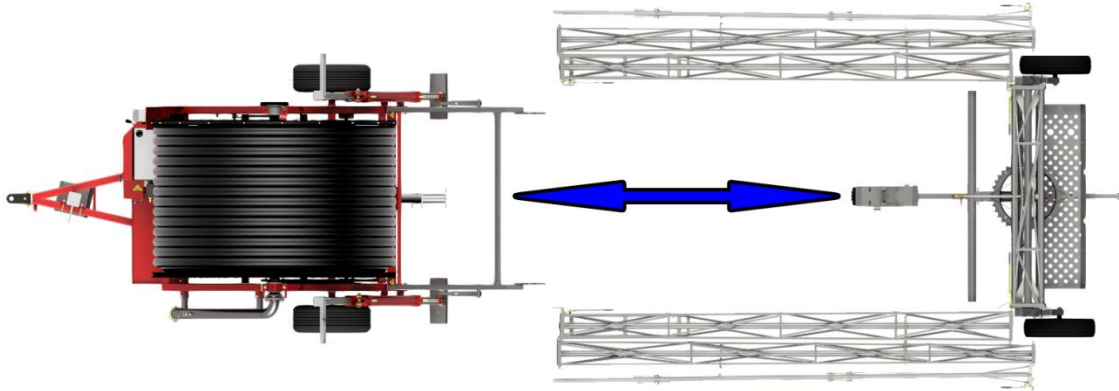


Failing to balance your irrigation boom with leader weights will result in an unstable irrigation boom that will tip over during a pull. This will cause damage to the irrigation boom, as well as damage to crops and/or property

You may now connect to your water supply line, and then raise the irrigation boom stabilizer legs.

Irrigation Pull

Pull your irrigation boom out to its start position. Do not exceed **3 mph [5 km/h]** while you are pulling your irrigation boom to its start position. The boom inlet feed should always be set in line with the middle of the irrigation traveller (see figure below). Adjust the angle of your irrigation boom if required.



Align Boom and Reel - 3 Wheel Cart

img-01479

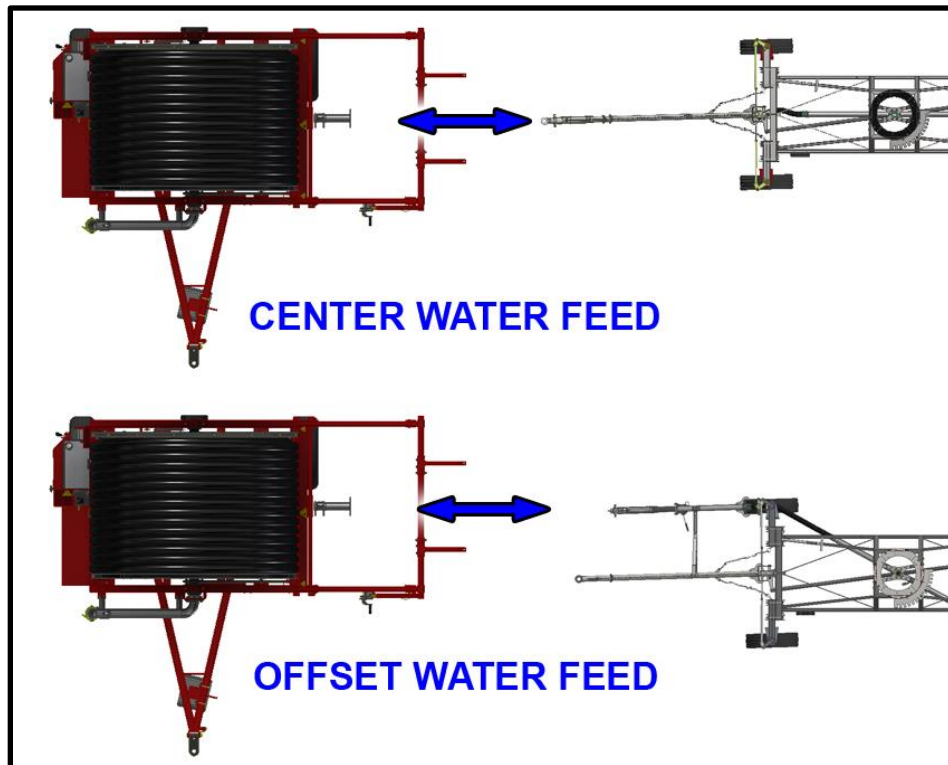


Figure 21 - Connect Irrigation Boom - 4 Wheel Cart

img-01470



Failure to lock your irrigation boom after rotating it will result in unstable operation. The irrigation boom will tip and damage itself and connected equipment.

Exceeding the maximum pull out speed will result in damage to the irrigation boom and any attached equipment.

Once your irrigation boom is at the start and adjusted correctly, turn on your water supply. Bring your system up to pressure slowly, and once you have reached operating pressure begin your pull. If you are angled for the headland at the start of your pull you must re adjust your irrigation boom to match the angle of the finishing headland. If there are obstacles in the field the operator must rotate the boom around any obstacles in the irrigation boom's path.



Quickly pressurizing your irrigation boom may lead to unexpected seal failures, damage to your irrigation boom and/or the attached equipment.

Failure to re adjust your irrigation boom before the end of your pull may result in a collision with people or objects. This will cause damage to the irrigation boom, any equipment or items in the area, and serious injury and/or death.

Folding

Step 1

Begin folding your irrigation boom by ensuring your boom frame is locked to the turntable at a 90 degree angle (perpendicular) with the boom cart frame then lower the stabilizers until they are on the ground and locked into position. Verify that they are locked in place.



Figure 22 - Lower Stabilizers - 3 Wheel Cart

img-014181

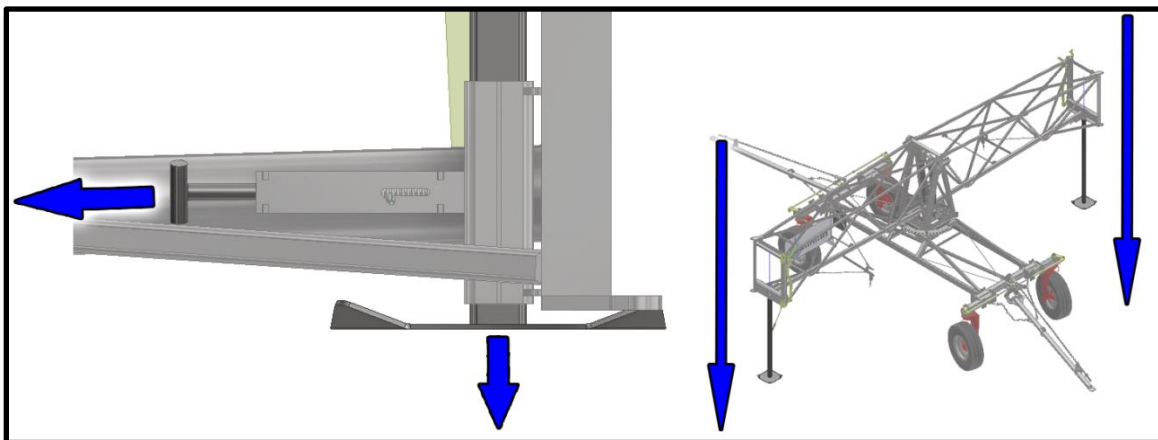


Figure 23 - Lower Stabilizers - 4 Wheel Cart

img-01465



Failure to lower and lock your irrigation boom stabilizers before folding your irrigation boom will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause injury and/or death.

Step 2

Disconnect your 4 wheel irrigation boom from your water supply. Then fold up your irrigation boom one section at a time. Be sure to alternate sides as you fold up sections. The reverse of the unfold process from earlier. Retract stabilizers.



Failing to close your irrigation boom by alternating sections will result in an unbalanced irrigation boom that will tip over. This will result in damage to your irrigation boom, and may cause serious injury and/or death.



Figure 24 - Folded Irrigation Boom - 3 Wheel Cart

img-01482



Figure 25 - Folded Irrigation Boom - 4 Wheel Cart

img-01471



Parts Section

3 Wheel Cart Assembly 28

3 Wheel Offset Cart Assembly (1 of 2) ◆ 30

3 Wheel Offset Cart Assembly (2 of 2) ◆ 32

4 Wheel Cart Body Assembly 34

4 Wheel Cart Wheel Assembly 36

4 Wheel Cart Center Feed Tongue Assembly ● 38

4 Wheel Cart Offset Feed Tongue Assembly ◆ 40

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Section 2 - Boom Right Hand 50

Section 3 - Boom Left Hand 52

Section 3 - Boom Right Hand 54

Section 4 - Boom Left Hand 56

Section 4 - Boom Right Hand 58

Section 5 - Boom 42M 60

Section 5 - Boom Left Hand 62

Section 5 - Boom Right Hand 64

Section 6 - Boom Left Hand 66

Section 6 - Boom Right Hand 68

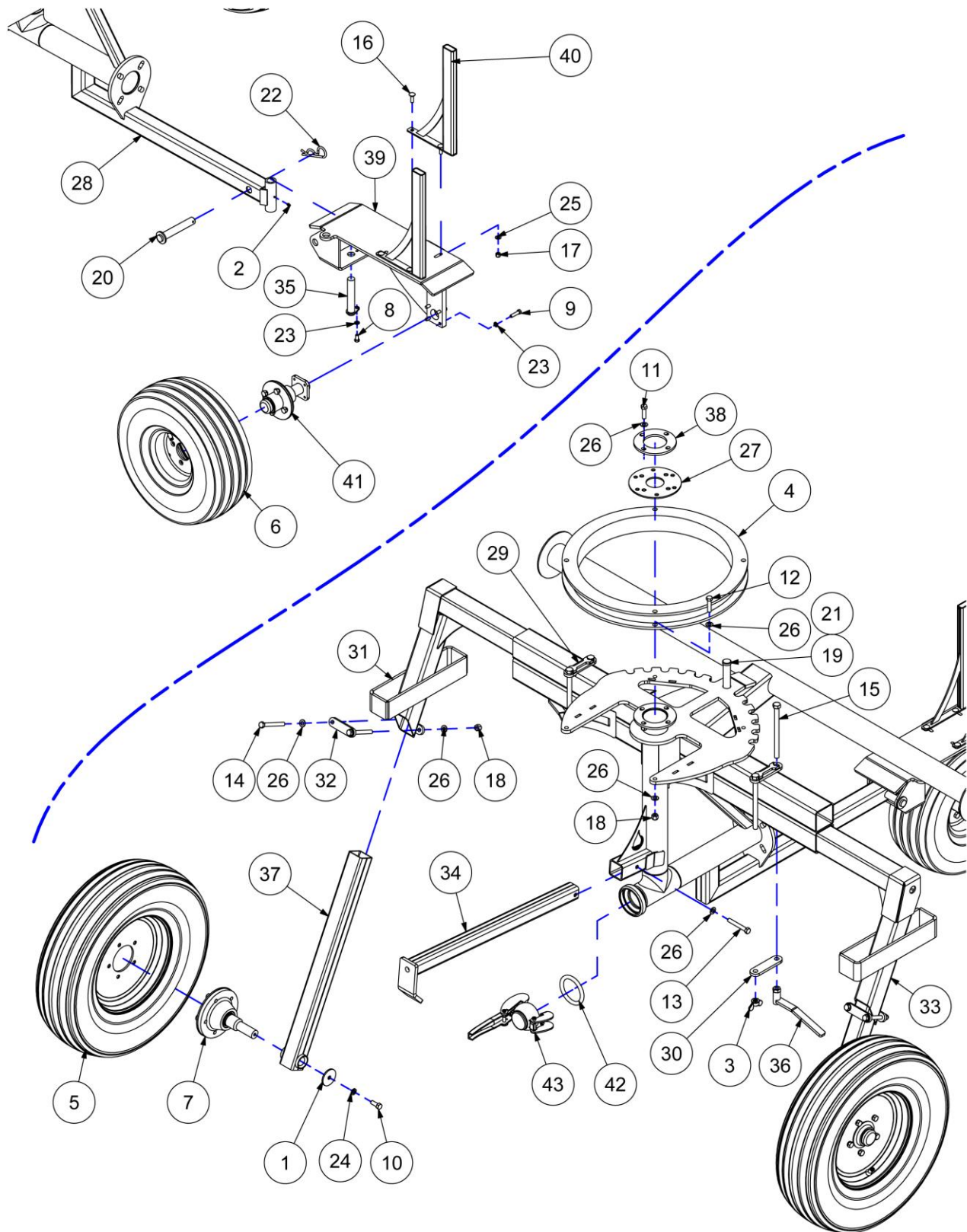
End Sprinkler Kit - R55 ◆ 70

Center Sprinkler Kit - 3-Wheel ◆ 72

Inlet Accessories ◆ 74

LEGEND			
●	Standard Equipment	↪	Model Variance
◆	Full Assembly	AR	As Required
◇	Optional Equipment	NS	Not Shown

3 Wheel Cart Assembly

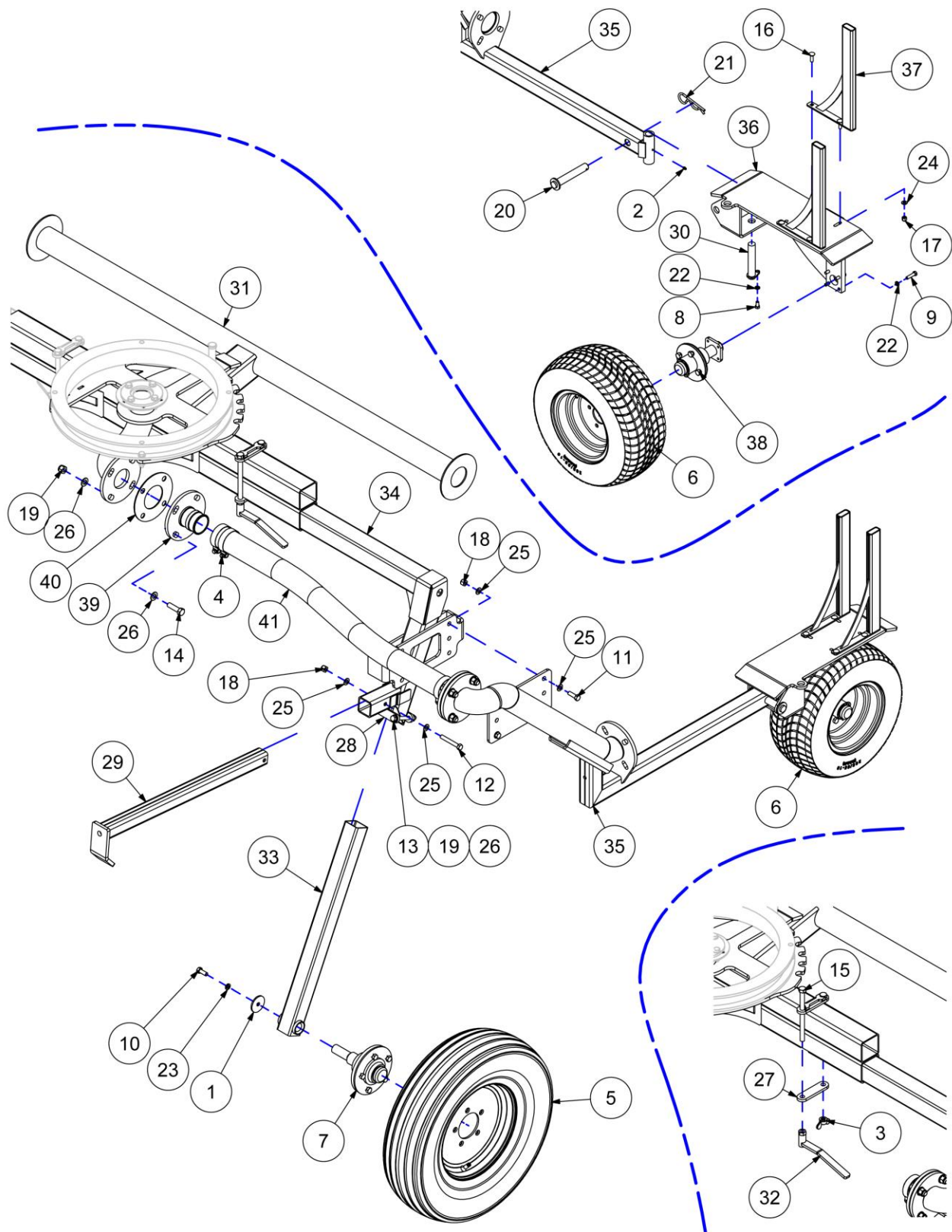




3 Wheel Cart Assembly

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	BOOM CART - 3 WHEEL	CB-CRT-30		◆
1	SPROCKET RETAINING PLATE	01-314-B	2	
2	GREASE FITTING - 1/4-28	40-001-02528	1	
3	WING NUT 5/8-11 THREAD	42-758	2	
4	TURNTABLE RING OD 25.5X2.5THICK	42-761	1	
5	WHEEL ASS'Y - 670-15 GALVANIZED	55-041-G	2	
6	WHEEL - ST205/75D15'B' 4 PLY	55-072	1	
7	HUB ASS'Y - 5 BOLT CART	55-238	2	
8	BOLT - 3/8-16 X 3/4	90-BLT-03816X075	1	
9	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
10	BOLT - 1/2-13 X 1 1/4	90-BLT-05013X125	2	
11	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	4	
12	BOLT - 1/2-13 X 2.00	90-BLT-05013X200	4	
13	BOLT - 1/2-13 X 3 1/2	90-BLT-05013X350	1	
14	BOLT - 1/2-13 X 4 1/2	90-BLT-05013X450	4	
15	BOLT - 5/8-11 X 8 1/2	90-BLT-06311X850	4	
16	BOLT CRG - 3/8-16 X 1 1/4	90-BLT-CG03816X125	4	
17	NUT LOCK - 3/8-16	90-NUT-LOC038-16	4	
18	NUT LOCK - 1/2-13	90-NUT-LOC050-13	13	
19	PIN CLEVIS - 1.00 DIA X 5.00	90-PIN-CL100X500	1	
20	CLEVIS PIN - 1.00 DIA X 5.50	90-PIN-CL100X550	1	
21	HAIR PIN - 9/64 X 2 3/4 LG	90-PIN-HP014X275	1	
22	HAIR PIN - 1/4 X 5.00 LG.	90-PIN-HP025X500	1	
23	WASHER LOCK - 3/8	90-WSR-LOC038	5	
24	WASHER LOCK - 1/2	90-WSR-LOC050	2	
25	WASHER SAE - 3/8	90-WSR-SAE038	4	
26	WASHER SAE - 1/2	90-WSR-SAE050	26	
27	GASKET CADMAN BOOM URETHANE	CB-019-A	1	
28	3 WHEEL CART MAIN FRAME WELD	CB-041-001-A	1	
29	CLAMP WITH HEX LOCK	CB-041-010	1	
30	CLAMP FITS 0.625 BOLT	CB-041-011	1	
31	WHEEL SLIDING WELDMENT RH	CB-041-025-A	1	
32	WHEEL POST CLAMP PLATE	CB-041-028	2	
33	WHEEL SLIDING WELDMENT LH	CB-041-030-A	1	
34	TOW BAR WELDMENT	CB-041-036	1	
35	WELDED PIN 1.00 DIA R-WHEEL	CB-041-045	1	
36	CLAMP LOCKING HANDLE WELDMENT	CB-041-062-A	2	
37	REAR WHEEL POST	CB-041-100-A	2	
38	TOP FLANGE FOR MAIN PIPE	CB-041-142	1	
39	FRONT WHEEL SPINDLE WELD	CB-041-300	1	
40	ADJUSTABLE HOSE GUIDE	CB-041-350	2	
41	HUB ASS'Y - 4-BOLT BOOM CART	CB-041-354	1	
42	GASKET - 3.00 WIL-LOC	IR-GKT-WL3	1	
43	END CAP - 3.00 WIL-LOC	IR-PLG-WL3	1	

3 Wheel Offset Cart Assembly (1 of 2) ◆

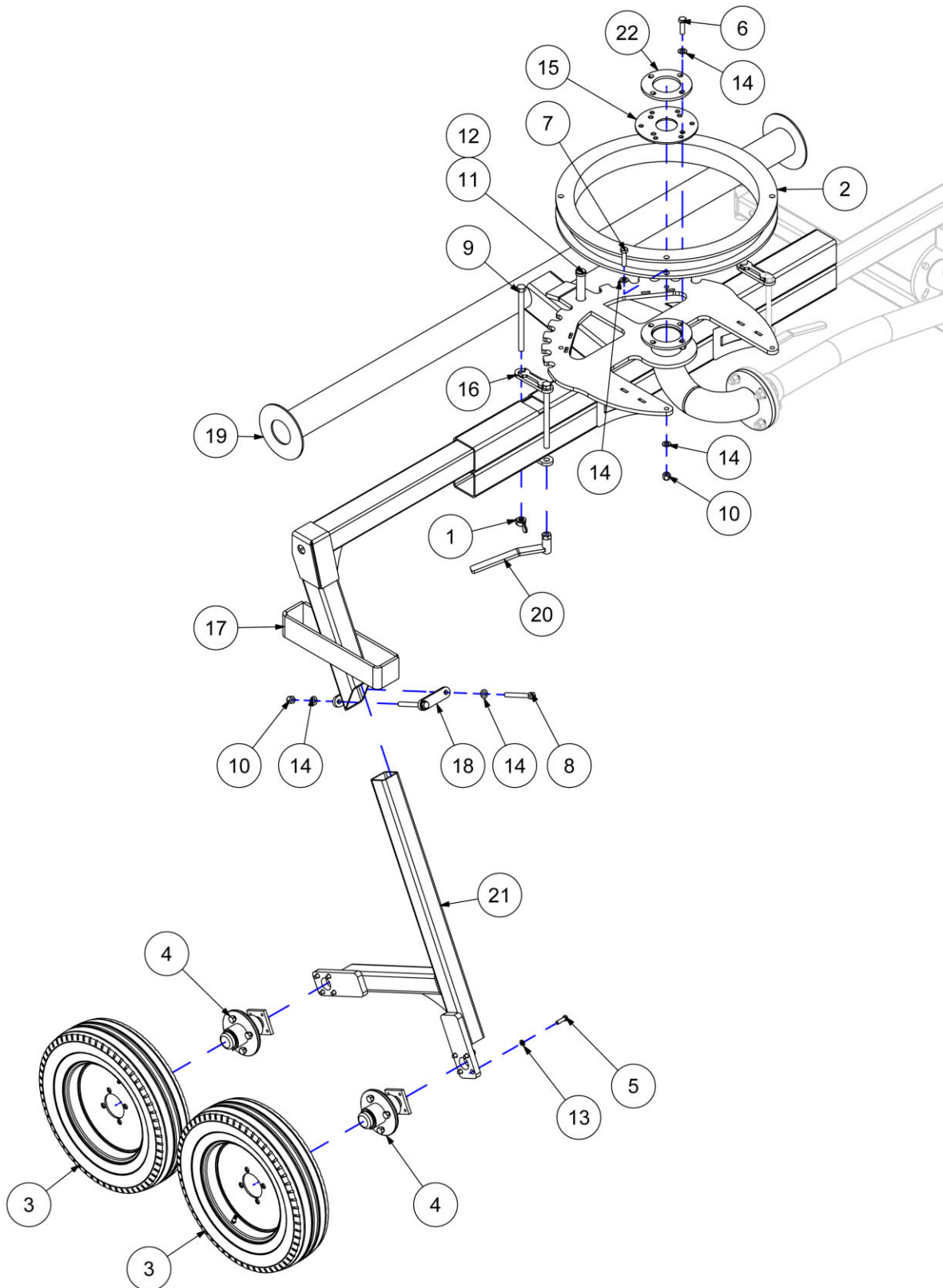




3 Wheel Offset Cart Assembly (1 of 2) ◆

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	OFFSET BOOM CART - 3 WHEEL	CB-CRT-30-OFFSET		◆
1	SPROCKET RETAINING PLATE	01-314-B	1	
2	GREASE FITTING - 1/4-28	40-001-02528	1	
3	WING NUT 5/8-11 THREAD	42-758	1	
4	CLAMP - M8 80-85 (3.15-3.38 IN)	50-065	4	
5	WHEEL ASS'Y - 670-15 GALVANIZED	55-041-G	1	
6	WHEEL ASS'Y - 20.5/8.0 X 10	55-072-G	1	
7	HUB ASS'Y - 5 BOLT CART	55-238	1	
8	BOLT - 3/8-16 X 3/4	90-BLT-03816X075	1	
9	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
10	BOLT - 1/2-13 X 1 1/4	90-BLT-05013X125	1	
11	BOLT - 1/2-13 X 1 1/2	90-BLT-05013X150	4	
12	BOLT - 1/2-13 X 3 1/2	90-BLT-05013X350	1	
13	BOLT - 1/2-13 X 4 1/2	90-BLT-05013X450	2	
14	BOLT - 5/8-11 X 2 1/4	90-BLT-06311X225	8	
15	BOLT - 5/8-11 X 8 1/2	90-BLT-06311X850	2	
16	BOLT CRG - 3/8-16 X 1 1/4	90-BLT-CG03816X125	4	
17	NUT LOCK - 3/8-16	90-NUT-LOC038-16	4	
18	NUT LOCK - 1/2-13	90-NUT-LOC050-13	7	
19	NUT LOCK - 5/8-11	90-NUT-LOC063-11	8	
20	CLEVIS PIN - 1.00 DIA X 5.50	90-PIN-CL100X550	1	
21	HAIR PIN - 1/4 X 5.00 LG.	90-PIN-HP025X500	1	
22	WASHER LOCK - 3/8	90-WSR-LOC038	5	
23	WASHER LOCK - 1/2	90-WSR-LOC050	1	
24	WASHER SAE - 3/8	90-WSR-SAE038	4	
25	WASHER SAE - 1/2	90-WSR-SAE050	14	
26	WASHER SAE - 5/8	90-WSR-SAE063	16	
27	CLAMP FITS 0.625 BOLT	CB-041-011	1	
28	WHEEL POST CLAMP PLATE	CB-041-028	1	
29	TOW BAR WELDMENT	CB-041-036	1	
30	WELDED PIN 1.00 DIA R-WHEEL	CB-041-045	1	
31	3 WHEEL CART MAIN FRAME WELD	CB-041-049	1	
32	CLAMP LOCKING HANDLE WELDMENT	CB-041-062-A	1	
33	REAR WHEEL POST	CB-041-100-A	1	
34	WHEEL SLIDING WELDMENT LH	CB-041-128	1	
35	PLUMBING WELDMENT - LH OFFSET	CB-041-136	1	
36	FRONT WHEEL SPINDLE WELD	CB-041-300	1	
37	ADJUSTABLE HOSE GUIDE	CB-041-350	2	
38	HUB ASS'Y - 4-BOLT BOOM CART	CB-041-354	1	
39	ADAPTER - 3.00 FLANGE X 3.00 BRB	IR-FL3-3BRB	2	
40	GASKET FLANGE - 3.00 X 4 BOLT	IR-GKT-FL3	2	
41	HOSE - 3.00 CADMAN SUPPLY	IR-HOZ-300CSSL.FT	5	

3 Wheel Offset Cart Assembly (2 of 2) ◆

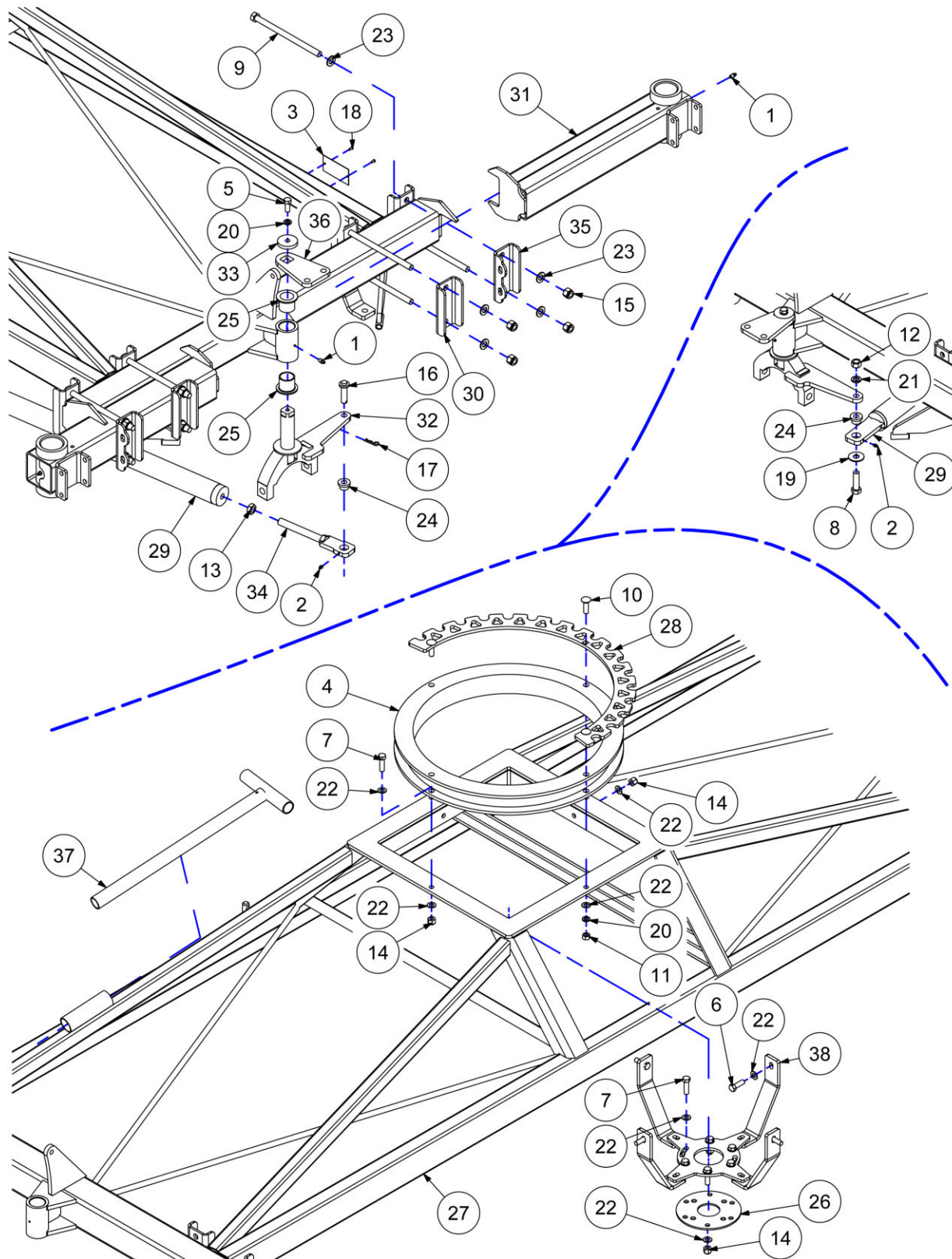




3 Wheel Offset Cart Assembly (2 of 2) ◆

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	OFFSET BOOM CART - 3 WHEEL	CB-CRT-30-OFFSET		◆
1	WING NUT 5/8-11 THREAD	42-758	1	
2	TURNTABLE RING OD 25.5X2.5THICK	42-761	1	
3	WHEEL ASS'Y - 480-12	55-056-G	2	
4	HUB ASS'Y - 4 BOLT CART	55-237	2	
5	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	8	
6	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	4	
7	BOLT - 1/2-13 X 2.00	90-BLT-05013X200	4	
8	BOLT - 1/2-13 X 4 1/2	90-BLT-05013X450	2	
9	BOLT - 5/8-11 X 8 1/2	90-BLT-06311X850	2	
10	NUT LOCK - 1/2-13	90-NUT-LOC050-13	10	
11	PIN CLEVIS - 1.00 DIA X 5.00	90-PIN-CL100X500	1	
12	HAIR PIN - 9/64 X 2 3/4 LG	90-PIN-HP014X275	1	
13	WASHER LOCK - 3/8	90-WSR-LOC038	8	
14	WASHER SAE - 1/2	90-WSR-SAE050	20	
15	GASKET CADMAN BOOM URETHANE	CB-019-A	1	
16	CLAMP WITH HEX LOCK	CB-041-010	1	
17	WHEEL SLIDING WELDMENT RH	CB-041-025-A	1	
18	WHEEL POST CLAMP PLATE	CB-041-028	1	
19	3 WHEEL CART MAIN FRAME WELD	CB-041-049	1	
20	CLAMP LOCKING HANDLE WELDMENT	CB-041-062-A	1	
21	CART LEG WELDMENT	CB-041-069	1	
22	TOP FLANGE FOR MAIN PIPE	CB-041-142	1	

4 Wheel Cart Body Assembly

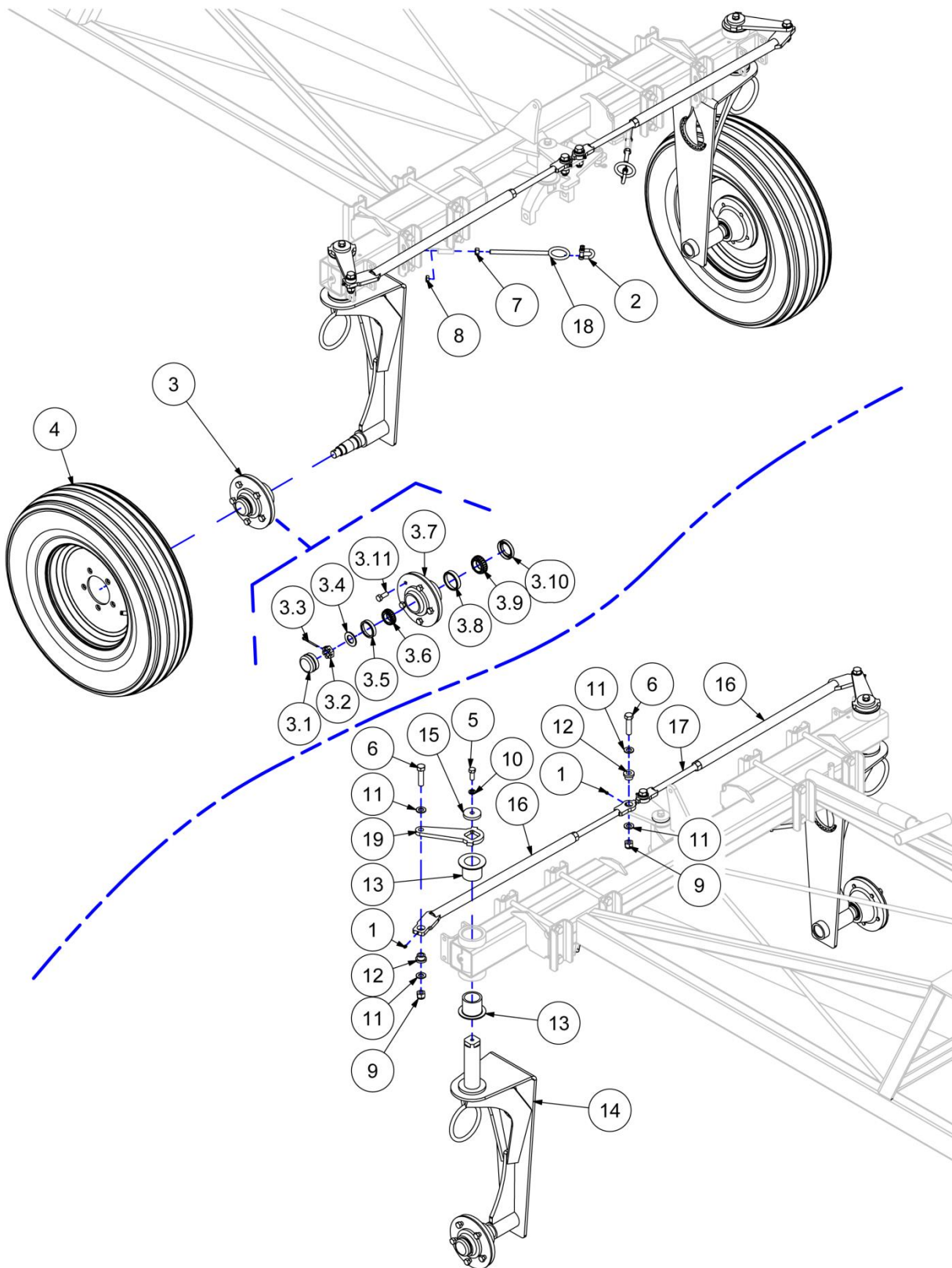




4 Wheel Cart Body Assembly

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	BOOM CART - 4 WHEEL	CB-CRT-32-4		◆
1	GREASE FITTING - 1/8 NPT	40-001	6	
2	GREASE FITTING - 1/4-28	40-001-02528	2	
3	CADMAN SERIAL NUMBER TAG	40-238-B	1	
4	TURNTABLE RING OD 25.5X2.5THICK	42-761	1	
5	BOLT - 1/2-13 X 1 1/4	90-BLT-05013X125	2	
6	BOLT - 1/2-13 X 1 1/2	90-BLT-05013X150	4	
7	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	7	
8	BOLT - 5/8-11 X 2 1/4	90-BLT-06311X225	1	
9	BOLT - 5/8-18 X 10.00	90-BLT-06318X1000	16	
10	BOLT CRG - 1/2-13 X 6.00	90-BLT-CG05013X175	3	
11	NUT HEX - 1/2-13	90-NUT-HEX050-13	3	
12	NUT HEX - 5/8-11	90-NUT-HEX063-11	1	
13	NUT JAM - 3/4-10	90-NUT-JAM075-10	1	
14	NUT LOCK - 1/2-13	90-NUT-LOC050-13	11	
15	NUT LOCK - 5/8-18	90-NUT-LOC063-18	16	
16	0.625" X 2.10" CLEVIS PIN	90-PIN-CL063X210	1	
17	HAIR PIN - 1/8 X 1 3/4	90-PIN-HP013X175	1	
18	RIVET - 3/16 X 3/8	90-RIV-019X038	2	
19	WASHER FLAT - 5/8	90-WSR-FLT063	2	
20	WASHER LOCK - 1/2	90-WSR-LOC050	5	
21	WASHER LOCK - 5/8	90-WSR-LOC063	1	
22	WASHER SAE - 1/2	90-WSR-SAE050	25	
23	WASHER SAE - 5/8	90-WSR-SAE063	31	
24	MACH - FLANGED INSERT 1.00X0.50	CB-013	2	
25	UHMW FLANGED BUSH SHAFT 1.50	CB-017-A	4	
26	GASKET CADMAN BOOM URETHANE	CB-019-A	1	
27	UNDERCARRIAGE MAIN FRAME	CB-032-001-C	1	
28	TURNTABLE LOCK 180	CB-032-062-B	1	
29	CENTER STEERING BAR WELD	CB-032-091	1	
30	WHEEL SPACING BRACKET - GALV	CB-665-019	4	
31	WHEEL MOUNT SLIDER	CB-665-022-A	4	
32	LOWER DRAG SWIVEL WELDMENT	CB-665-032	2	
33	STEERING LASER CUT WASHER	CB-665-039	2	
34	CENTER STEERING WELDED BOLT	CB-665-096	1	
35	WHEEL SPACING HOLDER	CB-665-133-A	4	
36	CENTER STEERING LINK	CB-665-157	2	
37	LATCH HANDLE EXTENSION WELD	CB-765-110-B	1	
38	CENTER PLUMBING SEAL MOUNT	CB-960-124	1	

4 Wheel Cart Wheel Assembly

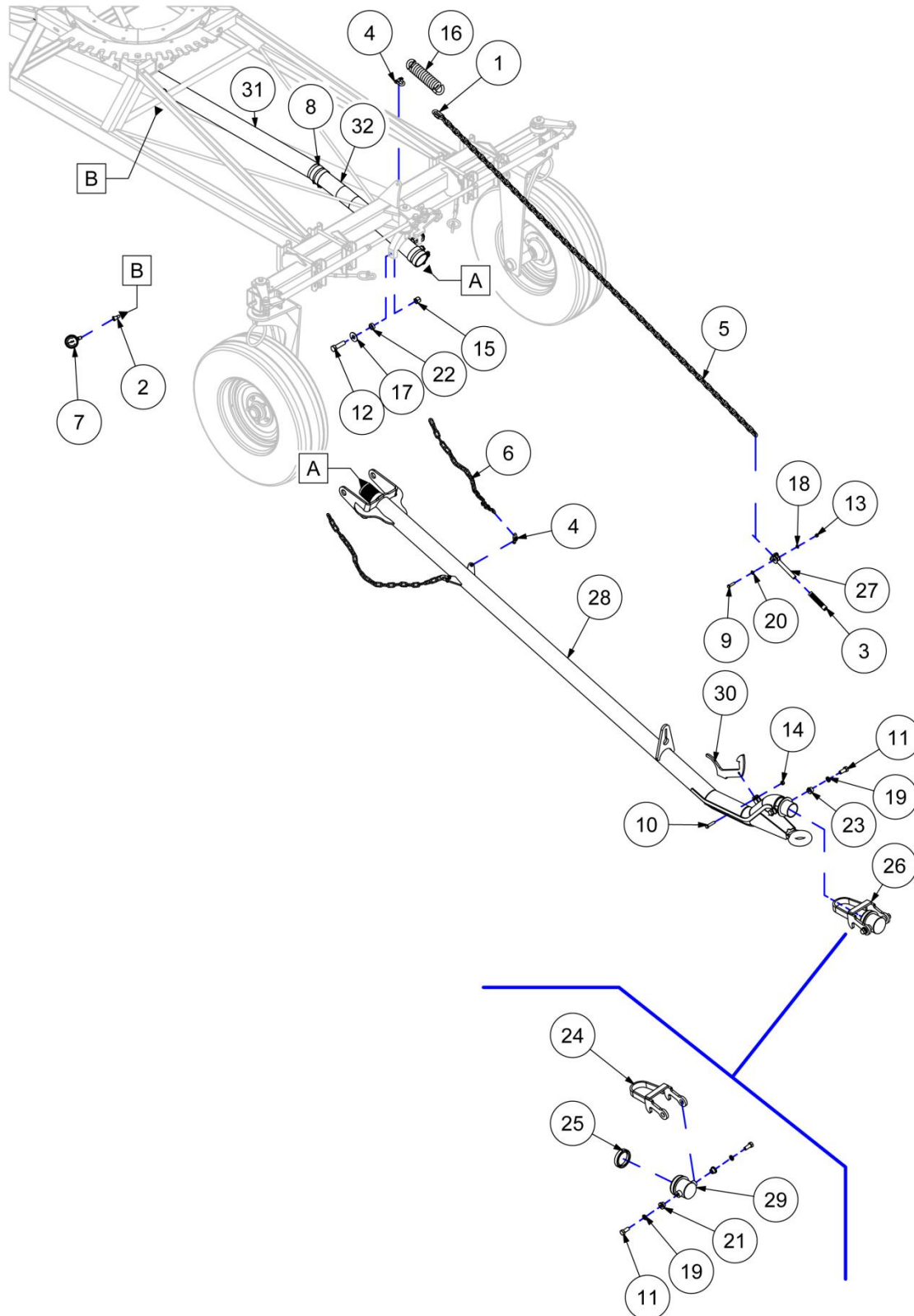




4 Wheel Cart Wheel Assembly

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	BOOM CART - 4 WHEEL	CB-CRT-32-4		◆
1	GREASE FITTING - 1/4-28	40-001-02528	8	
2	SHACKLE - 3/8 X 1 1/4 X 2000LBS	42-771	4	
3	HUB ASS'Y - 5 BOLT	55-018	1	
3.1	CAP - DUST	55-023	1	
3.2	NUT	55-260	1	
3.3	COTTER PIN - 3/16 X 2.00	90-PIN-CT019X200	1	
3.4	WASHER SAE - 1.00	90-WSR-SAE100	1	
3.5	OUTER BEARING - CUP	55-021	1	
3.6	OUTER BEARING - CONE	55-022	1	
3.7	HUB - 5 BOLT	55-018-A	1	
3.8	INNER BEARING - CUP	55-019	1	
3.9	INNER BEARING - CONE	55-020	1	
3.10	SEAL - GREASE	55-015	1	
3.11	WHEEL BOLT - 1/2-20 X 45°	55-007-45	5	
4	WHEEL ASS'Y - 670-15 GALVANIZED	55-041-G	4	
5	BOLT - 1/2-13 X 1 1/4	90-BLT-05013X125	4	
6	BOLT - 5/8-11 X 2 1/2	90-BLT-06311X250	8	
7	NUT HEX - 1/2-13	90-NUT-HEX050-13	4	
8	NUT JAM - 1/2-13	90-NUT-JAM050-13	4	
9	NUT LOCK - 5/8-11	90-NUT-LOC063-11	8	
10	WASHER LOCK - 1/2	90-WSR-LOC050	4	
11	WASHER SAE - 5/8	90-WSR-SAE063	16	
12	MACH - FLANGED INSERT 1.00X0.50	CB-013	8	
13	UHMW FLANGED BUSH SHAFT 2.00	CB-018-A	8	
14	WHEEL WELDMENT	CB-032-100	4	
15	STEERING LASER CUT WASHER	CB-665-039	4	
16	TIE ROD WELD - 80IN SPACING	CB-665-040-B	4	
17	TIE ROD ADJUSTABLE TIP	CB-665-043-B	4	
18	WELDED EYLET	CB-665-123	4	
19	STEER OUTSIDE LINK 55DEG	CB-665-158	4	

4 Wheel Cart Center Feed Tongue Assembly ●

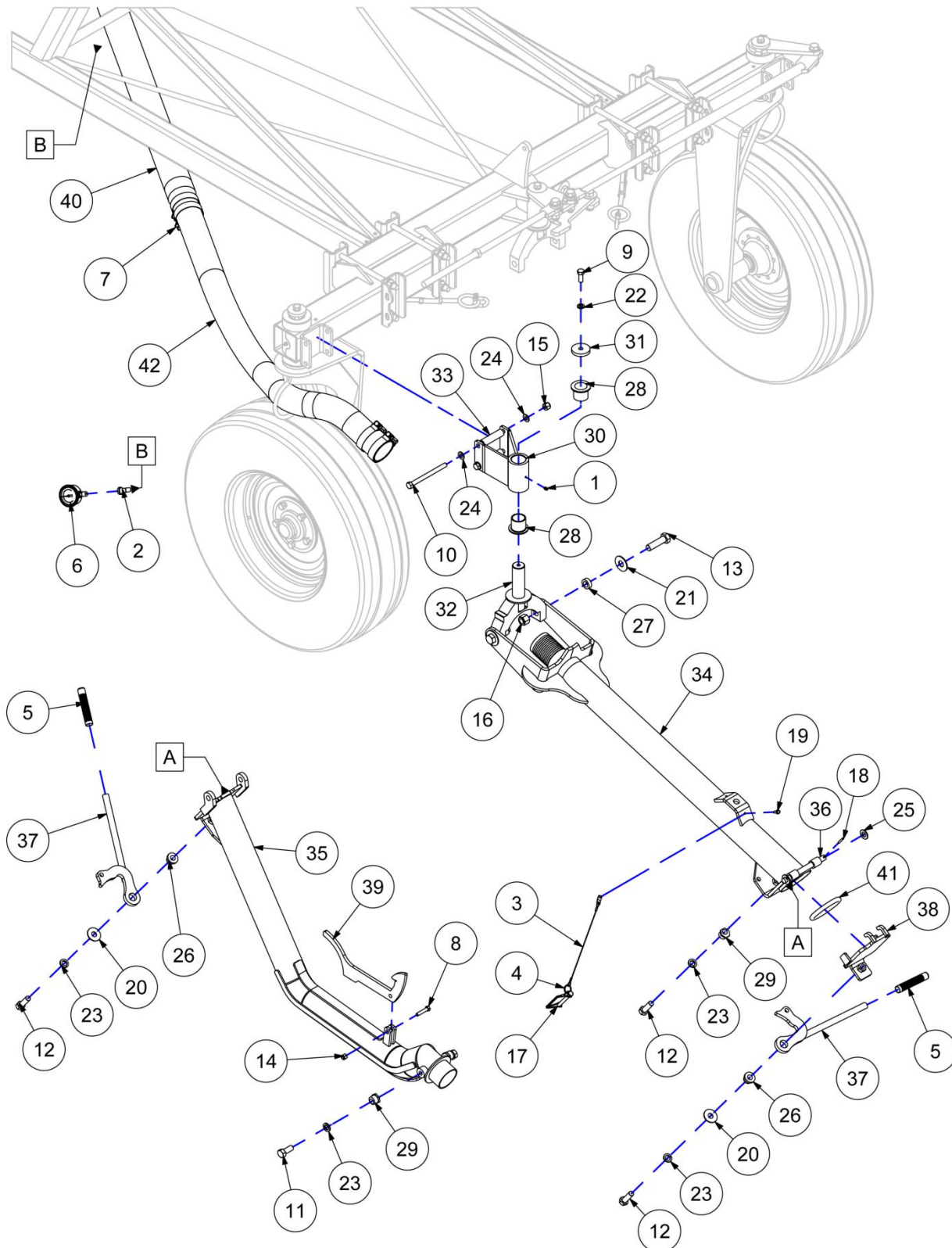




4 Wheel Cart Center Feed Tongue Assembly ●

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	CENTER WATER FEED	CB-KIT-CWF		◆
1	RAPID LINK - 3/8"	40-063	2	
2	ELBOW STREET - 1/2-NPP 45°	40-NPT-ELS025X45G	1	
3	GRIP FITS - 3/4 OD 4.8 OVERALL L	42-678	2	
4	SHACKLE - 3/8 X 1 1/4 X 2000LBS	42-771	6	
5	37 LINK GR 30 PLATED ASSY	42-776-A	2	
6	CHAIN - 5/16 GRADE 30 28 LINKS	42-777-A	4	
7	GAUGE - 0-200PSI LIQUID FILLED	45-018	1	
8	CLAMP - M8 80-85 (3.15-3.38 IN)	50-065	8	
9	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	2	
10	BOLT - 7/16-20 X 2.00	90-BLT-04420X200	2	
11	BOLT - 5/8-11 X 1 1/2	90-BLT-06311X150	6	
12	BOLT - 3/4-10 X 2 3/4	90-BLT-07510X275	4	
13	NUT HEX - 3/8-16	90-NUT-HEX038-16	2	
14	NUT HEX - 7/16-20	90-NUT-HEX044-20	2	
15	NUT LOCK - 3/4-10	90-NUT-LOC075-10	4	
16	EXT SPRING 2.313 DIA X 1/2 X 10	90-SPG-231X050X1000	2	
17	WASHER FLAT - 3/4	90-WSR-FLT075	4	
18	WASHER LOCK - 3/8	90-WSR-LOC038	2	
19	WASHER LOCK - 5/8	90-WSR-LOC063	6	
20	WASHER SAE - 3/8	90-WSR-SAE038	2	
21	MACH - FLANGED INSERT 1.00X0.50	CB-013	2	
22	MACHINED INSERT OD1.25ID0.76	CB-014	4	
23	MACH- OFFSET PIN OD1.00 H063	CB-025	4	
24	LOCKING HOOK WELD - LC	CB-034	1	
25	PULL COUPLING LIP SEAL	CB-037	1	
26	DRAG PLUMBING - CAP ASSEMBLY	CB-038	1	
27	CHAIN END - HANDLE	CB-665-108-A	2	
28	TONGUE WELDMENT	CB-665-138-A	2	
29	LARGE WASHER	CB-665-151	1	
30	LATCH	CB-665-153	2	
31	LOWER CENTER PLUMBING CWF	CB-960-121	1	
32	HOSE - 3.00 CADMAN SUPPLY	IR-HOZ-300CSSL.FT	2	

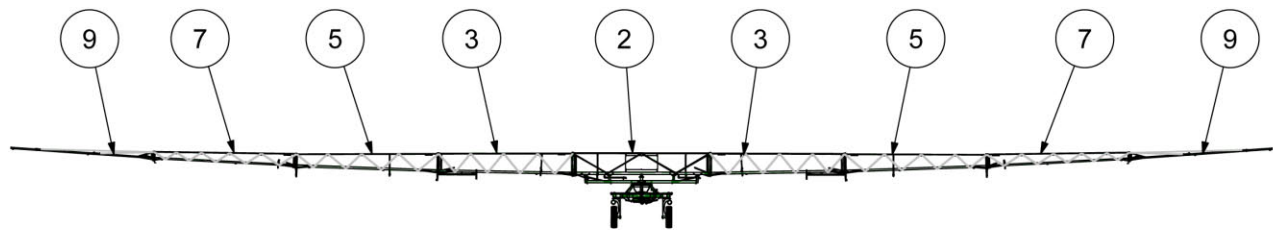
4 Wheel Cart Offset Feed Tongue Assembly ♦



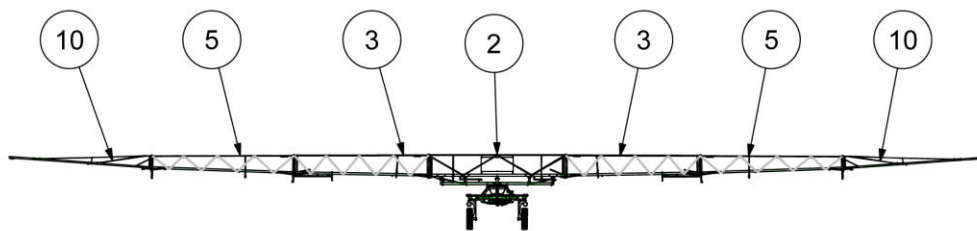
4 Wheel Cart Offset Feed Tongue Assembly ◆

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	OFFSET WATER FEED	CB-KIT-OWF		◆
1	GREASE FITTING - 1/4-28	40-001-02528	2	
2	ELBOW STREET - 1/2-NPP 45°	40-NPT-ELS025X45G	1	
3	LANYARD - 12.00 STAINLESS	42-439	2	
4	RING - LANYARD	42-440	2	
5	GRIP FITS - 3/4 OD 4.8 OVERALL L	42-678	3	
6	GAUGE - 0-200PSI LIQUID FILLED	45-018	1	
7	CLAMP - M8 80-85 (3.15-3.38 IN)	50-065	8	
8	BOLT - 3/8-16 X 1 3/4	90-BLT-03816X175	2	
9	BOLT - 1/2-13 X 1 1/4	90-BLT-05013X125	2	
10	BOLT - 1/2-13 X 6.00	90-BLT-05013X600	4	
11	BOLT - 5/8-11 X 1 1/2	90-BLT-06311X150	4	
12	BOLT - 5/8-11 X 2.00	90-BLT-06311X200	5	
13	BOLT - 3/4-10 X 2 3/4	90-BLT-07510X275	4	
14	NUT LOCK - 3/8-16	90-NUT-LOC038-16	2	
15	NUT LOCK - 1/2-13	90-NUT-LOC050-13	4	
16	NUT LOCK - 3/4-10	90-NUT-LOC075-10	4	
17	QUICK PIN - 3/8 X 3" LG.	90-PIN-QD038X300	2	
18	ROLL PIN - 3/16 X 1.25 LG PLATED	90-PIN-RL018X125	4	
19	SCREW TEK - 1/4 X 3/4	90-SCR-TEK025X075	2	
20	WASHER FLAT - 5/8	90-WSR-FLT063	3	
21	WASHER FLAT - 3/4	90-WSR-FLT075	4	
22	WASHER LOCK - 1/2	90-WSR-LOC050	2	
23	WASHER LOCK - 5/8	90-WSR-LOC063	9	
24	WASHER SAE - 1/2	90-WSR-SAE050	8	
25	WASHER SAE - 5/8	90-WSR-SAE063	4	
26	MACH - FLANGED INSERT 1.00X0.50	CB-013	3	
27	MACHINED INSERT OD1.25ID0.76	CB-014	4	
28	UHMW FLANGED BUSH SHAFT 1.50	CB-017-A	4	
29	MACH- OFFSET PIN OD1.00 H063	CB-025	6	
30	DRAG HOSE SWIVEL MOUNT	CB-665-028-E	2	
31	STEERING LASER CUT WASHER	CB-665-039	2	
32	LOWER DRAG SWIVEL WELDMENT	CB-665-045	2	
33	SPACER TUBE ID0.65	CB-665-047-A	4	
34	DRAG PLUMBING WELDMENT 1	CB-665-056-A	2	
35	DRAG PLUMBING	CB-665-064-B	2	
36	ROD 0.625	CB-665-075	2	
37	HOOK-LATCH DRAG PLUMBING	CB-665-076-B	3	
38	BLANK CAP WELDMENT	CB-665-079	1	
39	LATCH PLATE HOOK OWF	CB-665-130	2	
40	PLUMBING WELD OWF Y PIPE	CB-960-013	1	
41	GASKET - 3.00 WIL-LOC	IR-GKT-WL3	2	
42	HOSE - 3.00 CADMAN SUPPLY	IR-HOZ-300CSSL.FT	6	

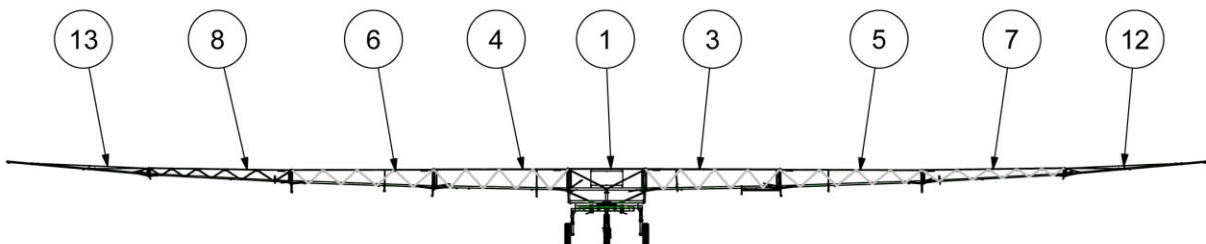
Section Layout



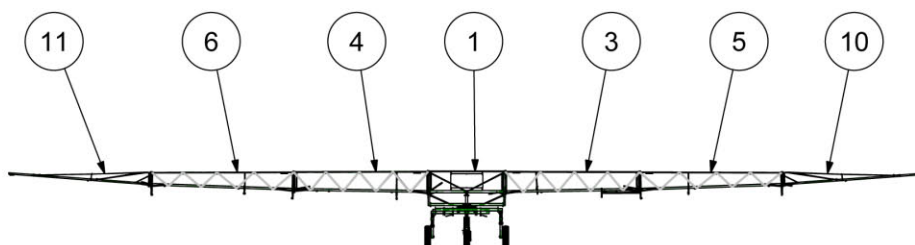
42M



32M



40M



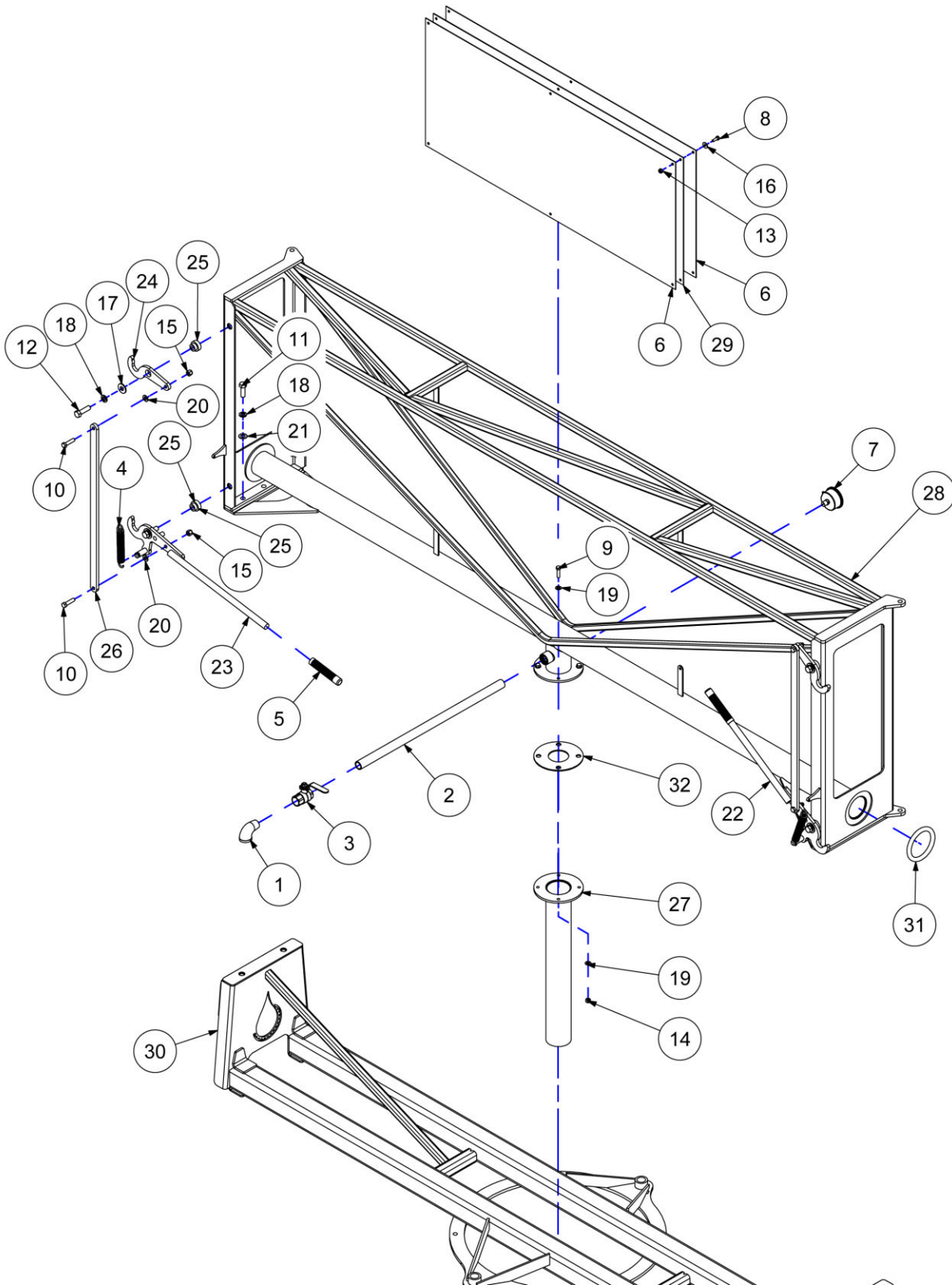
30M



Section Layout

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
1	CENTER SECT 3-WHEEL 2.5M SPACING	CB-143-001		Page 44
↳	CENTER SECT 3-WHEEL 2.2M SPACING	CB-143-051		Page 44
↳	CENTER SECT 3-WHEEL 1.9M SPACING	CB-143-101		Page 44
2	CENTER SECT 4-WHEEL - 32/42M BOOM	CB-144-001		Page 46
3	SECTION 2 - 30M/32M/40M/42M BOOM L.H.	CB-243-001		Page 48
4	SECTION 2 - 30M/40M BOOM R.H.	CB-244-001		Page 50
5	SECTION 3 - 30M/32M/40M/42M BOOM L.H.	CB-343-001		Page 52
6	SECTION 3 - 30M/40M BOOM R.H.	CB-344-001		Page 54
7	SECTION 4 - 40M/42M BOOM L.H.	CB-443-001		Page 56
8	SECTION 4 - 40M BOOM R.H.	CB-444-001		Page 58
9	SECTION 5 - 42M BOOM	CB-540-000		Page 60
10	SECTION 5 - 30M/32M BOOM L.H.	CB-543-001		Page 62
11	SECTION 5 - 30M/32M BOOM R.H.	CB-544-001		Page 64
12	SECTION 6 - 40M BOOM L.H.	CB-643-001		Page 66
13	SECTION 6 - 40M BOOM R.H.	CB-644-001		Page 68

Center Section - 3 Wheel Cart

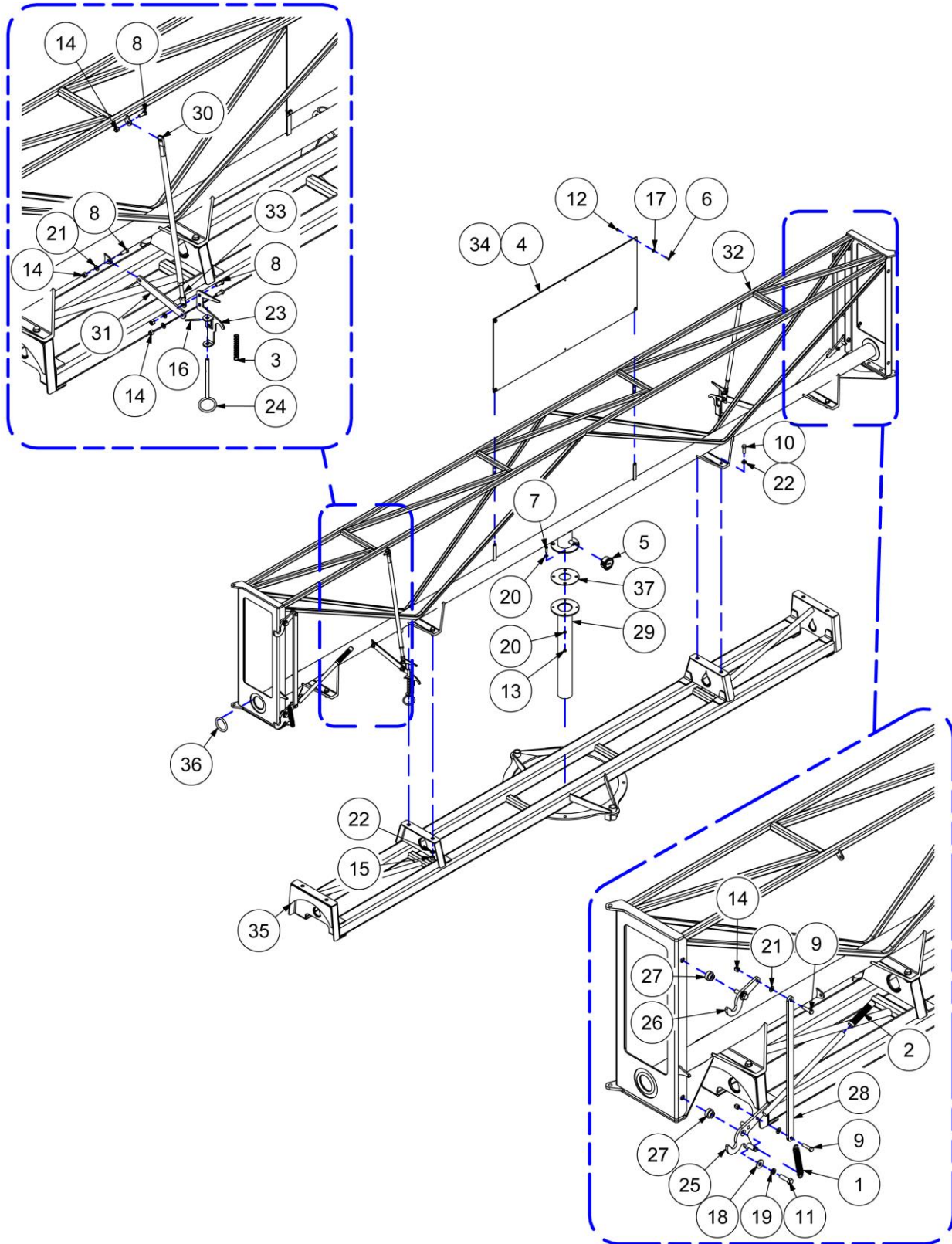




Center Section - 3 Wheel Cart

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	CENTER SECTION - 3-WHEEL 2.5M	CB-143-001		◆
◆	CENTER SECTION - 3-WHEEL 2.2M	CB-143-051		◆
◆	CENTER SECTION - 3-WHEEL 1.9M	CB-143-101		◆
1	ELBOW STREET 90° - 3/4" NPT GALV	40-NPT-ELS075X90G	1	
2	NIPPLE - 3/4 NPT X 24 INCHES LONG	40-NPT-NPL075X2400G	1	
3	BALL VALVE - 3/4 NPTF X NPTF	40-NPT-VLV075BLLFF	1	
4	Spring Tens L6-9 O.D1.00 38.5Lb	42-677	2	
5	GRIP - 3/4 OD 4.8 LONG	42-678	2	
6	REFLECTIVE CADMAN BOOM DECAL	42-DCL-018	2	
7	GAUGE - 0-160 PSI WET	45-059	1	
8	BOLT - 1/4-20 X 3/4	90-BLT-02520X075	4	
9	BOLT - 5/16-18 X 1 1/4	90-BLT-03118X125	4	
10	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
11	BOLT - 1/2-13 X 1 1/2	90-BLT-05013X150	4	
12	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	4	
13	NUT LOCK - 1/4-20	90-NUT-LOC025-20	4	
14	NUT LOCK - 5/16-18	90-NUT-LOC031-18	4	
15	NUT LOCK - 3/8-16	90-NUT-LOC038-16	4	
16	WASHER FLAT - 1/4	90-WSR-FLT025	4	
17	WASHER FLAT - 1/2	90-WSR-FLT050	4	
18	WASHER LOCK - 1/2	90-WSR-LOC050	8	
19	WASHER SAE - 5/16	90-WSR-SAE031	8	
20	WASHER SAE - 3/8	90-WSR-SAE038	4	
21	WASHER SAE - 1/2	90-WSR-SAE050	4	
22	LARGE END LATCH WELDMENT - LH	CB-130-030-A	1	
23	LARGE END LATCH WELDMENT - RH	CB-132-030-A	1	
24	LARGE UPPER END LATCH	CB-132-033	2	
25	MACH -FLANGED INSERT 0.88 X H050	CB-132-034	4	
26	END LATCH LINK SECTION 1	CB-140-032-A	2	
27	MAIN FEED TUBE VERT EXTENSION	CB-140-110	1	
28	MIDDLE SECT WELDMENT 3-WHL 2.5	CB-143-000	1	
↳	MIDDLE SECT WELDMENT 3-WHL 2.2	CB-143-050	1	
↳	MIDDLE SECT WELDMENT 3-WHL 1.9	CB-146-100	1	
29	ALUPANEL LOGO PLATE	CB-765-101	1	
30	CENTER 3-WHEEL BOOM 2.5M SPACING	CB-841-000-A	1	
↳	CENTER 3-WHEEL BOOM 2.2M SPACING	CB-841-001-A	1	
↳	CENTER 3-WHEEL BOOM 1.9M SPACING	CB-841-002-A	1	
31	GASKET - 3" (BAUER)	IR-GKT-BAUER076	2	
32	GASKET - 2.00 X 4 BOLT	IR-GKT-FL2	1	

Center Section - 4 Wheel Cart

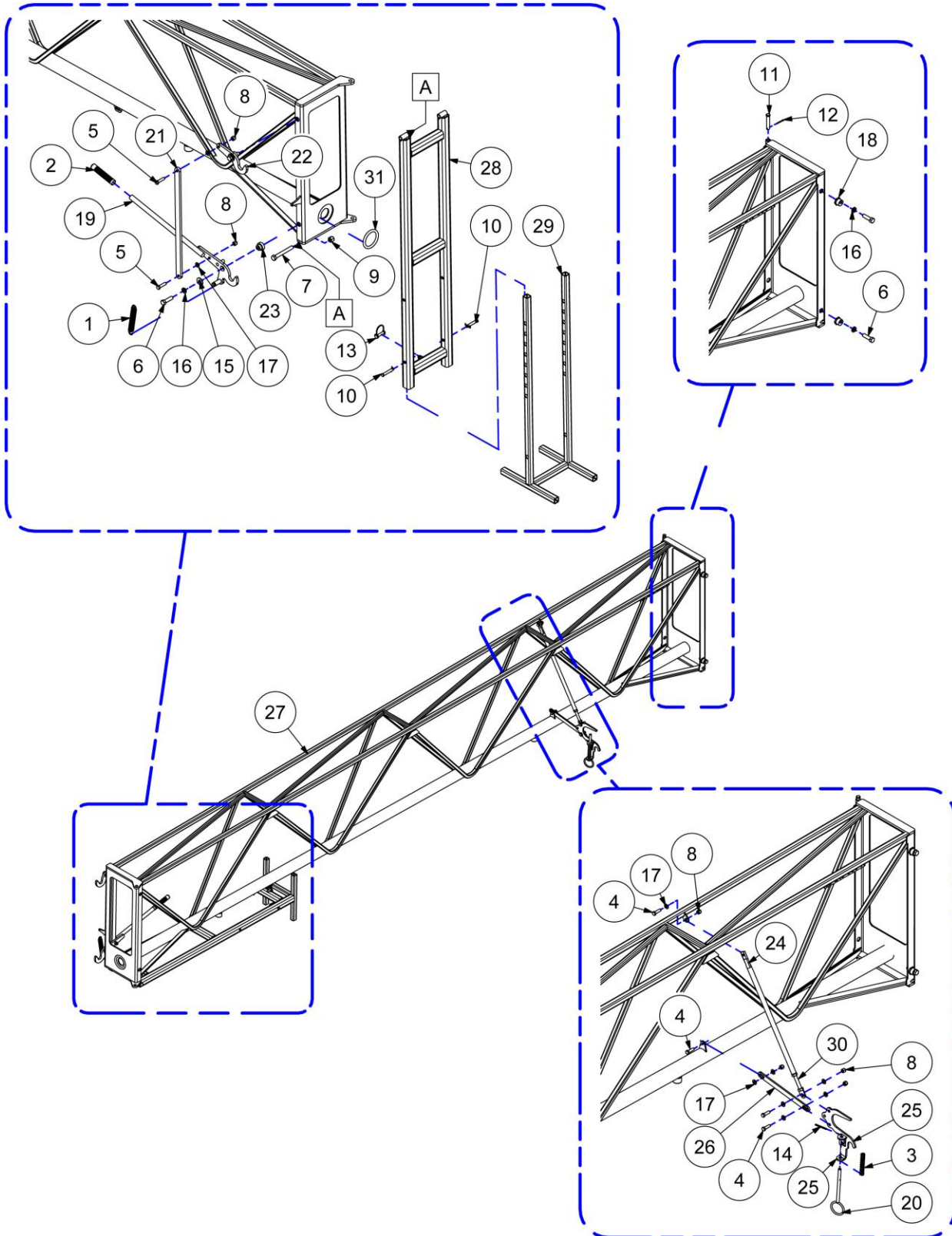




Center Section - 4 Wheel Cart

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	CENTER SECTION - 32/42M BOOM	CB-144-001		◆
1	Spring Tens L6-9 O.D1.00 38.5Lb	42-677	2	
2	GRIP - 3/4 OD 4.8 LONG	42-678	2	
3	C-SPRING - OD0.656 L4.90 F4.6	42-763	2	
4	REFLECTIVE CADMAN BOOM DECAL	42-DCL-018	2	
5	GAUGE - 0-160 PSI WET	45-059	1	
6	BOLT - 1/4-20 X 3/4	90-BLT-02520X075	4	
7	BOLT - 5/16-18 X 1 1/4	90-BLT-03118X125	4	
8	BOLT - 3/8-16 X 1.00	90-BLT-03816X100	8	
9	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
10	BOLT - 1/2-13 X 1 1/2	90-BLT-05013X150	8	
11	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	4	
12	NUT LOCK - 1/4-20	90-NUT-LOC025-20	4	
13	NUT LOCK - 5/16-18	90-NUT-LOC031-18	4	
14	NUT LOCK - 3/8-16	90-NUT-LOC038-16	12	
15	NUT LOCK - 1/2-13	90-NUT-LOC050-13	4	
16	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	2	
17	WASHER FLAT - 1/4	90-WSR-FLT025	4	
18	WASHER FLAT - 1/2	90-WSR-FLT050	4	
19	WASHER LOCK - 1/2	90-WSR-LOC050	4	
20	WASHER SAE - 5/16	90-WSR-SAE031	8	
21	WASHER SAE - 3/8	90-WSR-SAE038	12	
22	WASHER SAE - 1/2	90-WSR-SAE050	12	
23	SEC 1 FOLD LATCH WELDMENT	CB-132-020	2	
24	FOLD LATCH PIN WELDMENT	CB-132-025	2	
25	LARGE END LATCH WELDMENT - RH	CB-132-030-A	2	
26	LARGE UPPER END LATCH	CB-132-033	2	
27	MACH -FLANGED INSERT 0.88 X H050	CB-132-034	4	
28	END LATCH LINK SECTION 1	CB-140-032-A	2	
29	MAIN FEED TUBE VERT EXTENSION	CB-140-110	1	
30	SEC 1 LATCH PIPE WELDMENT	CB-142-010	2	
31	SEC 1 FOLD LATCH LINK	CB-142-023	2	
32	SEC 1 MAIN PIPE WELDMENT	CB-144-000	1	
33	LINK ADJUSTABLE END	CB-765-036	2	
34	ALUPANEL LOGO PLATE	CB-765-101	1	
35	CENTER SECTION - TURNTABLE MOUNT	CB-842-000-B	1	
36	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	2	
37	GASKET - 2.00 X 4 BOLT	IR-GKT-FL2	1	

Section 2 - Boom Left Hand

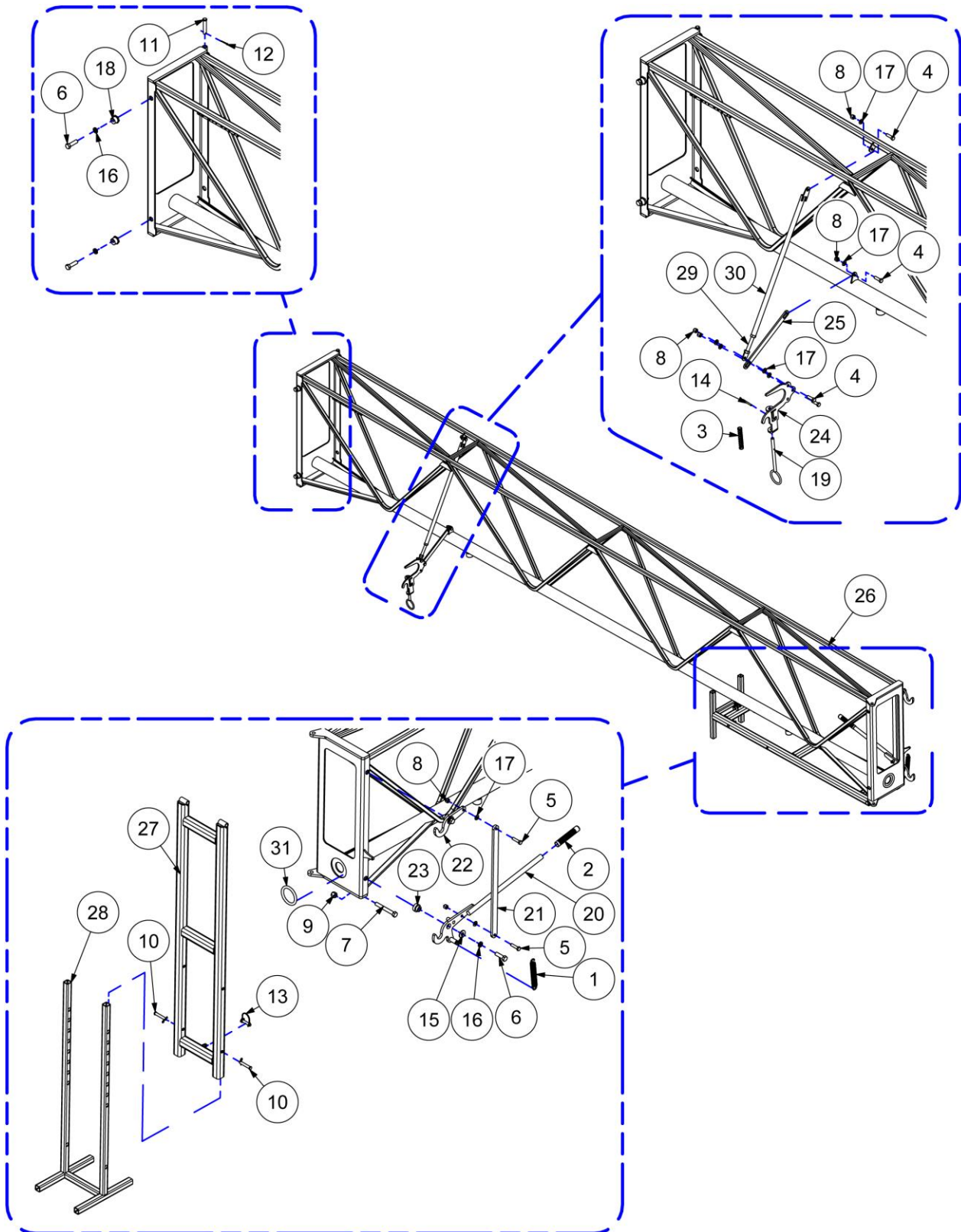




Section 2 - Boom Left Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 2 - BOOM L.H.	CB-243-001		◆
1	Spring Tens L6-9 O.D1.00 38.5Lb	42-677	1	
2	GRIP - 3/4 OD 4.8 LONG	42-678	1	
3	C-SPRING - OD0.656 L4.90 F4.6	42-763	1	
4	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	4	
5	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	2	
6	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	4	
7	BOLT - 1/2-13 X 4.00	90-BLT-05013X400	2	
8	NUT LOCK - 3/8-16	90-NUT-LOC038-16	6	
9	NUT LOCK - 1/2-13	90-NUT-LOC050-13	2	
10	CLEVIS PIN - 3/8 X 2"	90-PIN-CL038X200	2	
11	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
12	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
13	3/8 PIN WITH LOCK WIRE	90-PIN-Q038X138	1	
14	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	1	
15	WASHER FLAT - 1/2	90-WSR-FLT050	2	
16	WASHER LOCK - 1/2	90-WSR-LOC050	4	
17	WASHER SAE - 3/8	90-WSR-SAE038	9	
18	MACH- OFFSET PIN OD1.00 H050	CB-011	2	
19	LARGE END LATCH WELDMENT - LH	CB-130-030-A	1	
20	FOLD LATCH PIN WELDMENT	CB-132-025	1	
21	LARGE END LATCH LINK	CB-132-032	1	
22	LARGE UPPER END LATCH	CB-132-033	1	
23	MACH -FLANGED INSERT 0.88 X H050	CB-132-034	2	
24	SEC 2 LATCH PIPE WELDMENT	CB-232-040	1	
25	SEC 2 FOLD LATCH WELDMENT	CB-240-020	1	
26	FOLD LATCH LINK SECTION 2	CB-240-042-A	1	
27	SECTION 2 WELDED 30/40M BOOM	CB-243-000-A	1	
28	SEC 2 TOP SUPPORT LEG	CB-740-001-A	1	
29	SEC 2 SUPPORT BOTTOM LEG WELD	CB-740-002-A	1	
30	LINK ADJUSTABLE END	CB-765-036	1	
31	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	1	

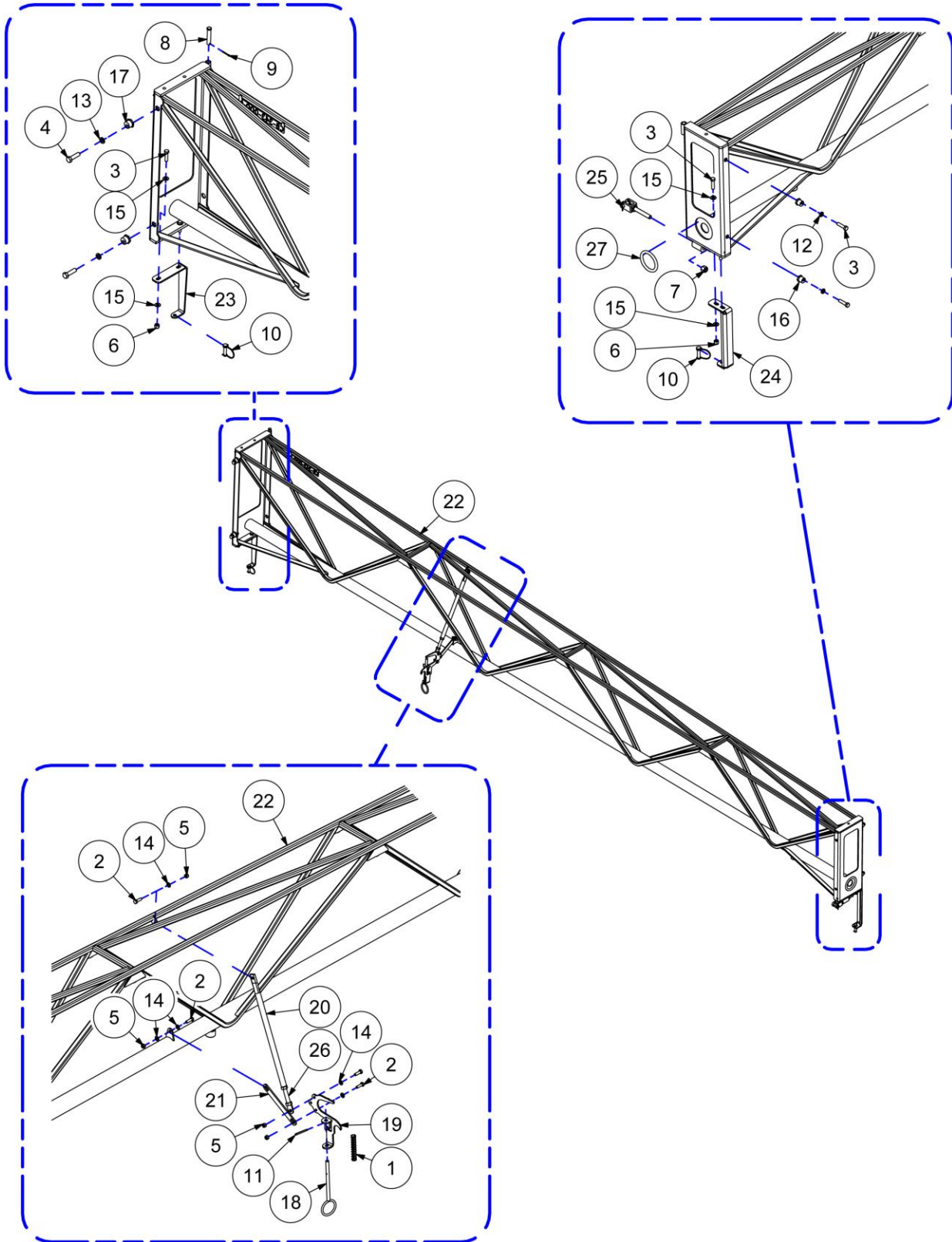
Section 2 - Boom Right Hand



Section 2 - Boom Right Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 2 - BOOM R.H.	CB-244-001		◆
1	Spring Tens L6-9 O.D1.00 38.5Lb	42-677	1	
2	GRIP - 3/4 OD 4.8 LONG	42-678	1	
3	C-SPRING - OD0.656 L4.90 F4.6	42-763	1	
4	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	4	
5	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	2	
6	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	4	
7	BOLT - 1/2-13 X 4.00	90-BLT-05013X400	2	
8	NUT LOCK - 3/8-16	90-NUT-LOC038-16	6	
9	NUT LOCK - 1/2-13	90-NUT-LOC050-13	2	
10	CLEVIS PIN - 3/8 X 2"	90-PIN-CL038X200	2	
11	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
12	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
13	3/8 PIN WITH LOCK WIRE	90-PIN-Q038X138	1	
14	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	1	
15	WASHER FLAT - 1/2	90-WSR-FLT050	2	
16	WASHER LOCK - 1/2	90-WSR-LOC050	4	
17	WASHER SAE - 3/8	90-WSR-SAE038	9	
18	MACH- OFFSET PIN OD1.00 H050	CB-011	2	
19	FOLD LATCH PIN WELDMENT	CB-132-025	1	
20	LARGE END LATCH WELDMENT - RH	CB-132-030-A	1	
21	LARGE END LATCH LINK	CB-132-032	1	
22	LARGE UPPER END LATCH	CB-132-033	1	
23	MACH -FLANGED INSERT 0.88 X H050	CB-132-034	2	
24	SEC 2 FOLD LATCH WELDMENT	CB-240-020	1	
25	FOLD LATCH LINK SECTION 2	CB-240-042-A	1	
26	SECTION 2 WELDED 40M BOOM	CB-244-000-A	1	
27	SEC 2 TOP SUPPORT LEG	CB-740-001-A	1	
28	SEC 2 SUPPORT BOTTOM LEG WELD	CB-740-002-A	1	
29	LINK ADJUSTABLE END	CB-765-036	1	
30	VERTICAL LINK	CB-765-075	1	
31	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	1	

Section 3 - Boom Left Hand

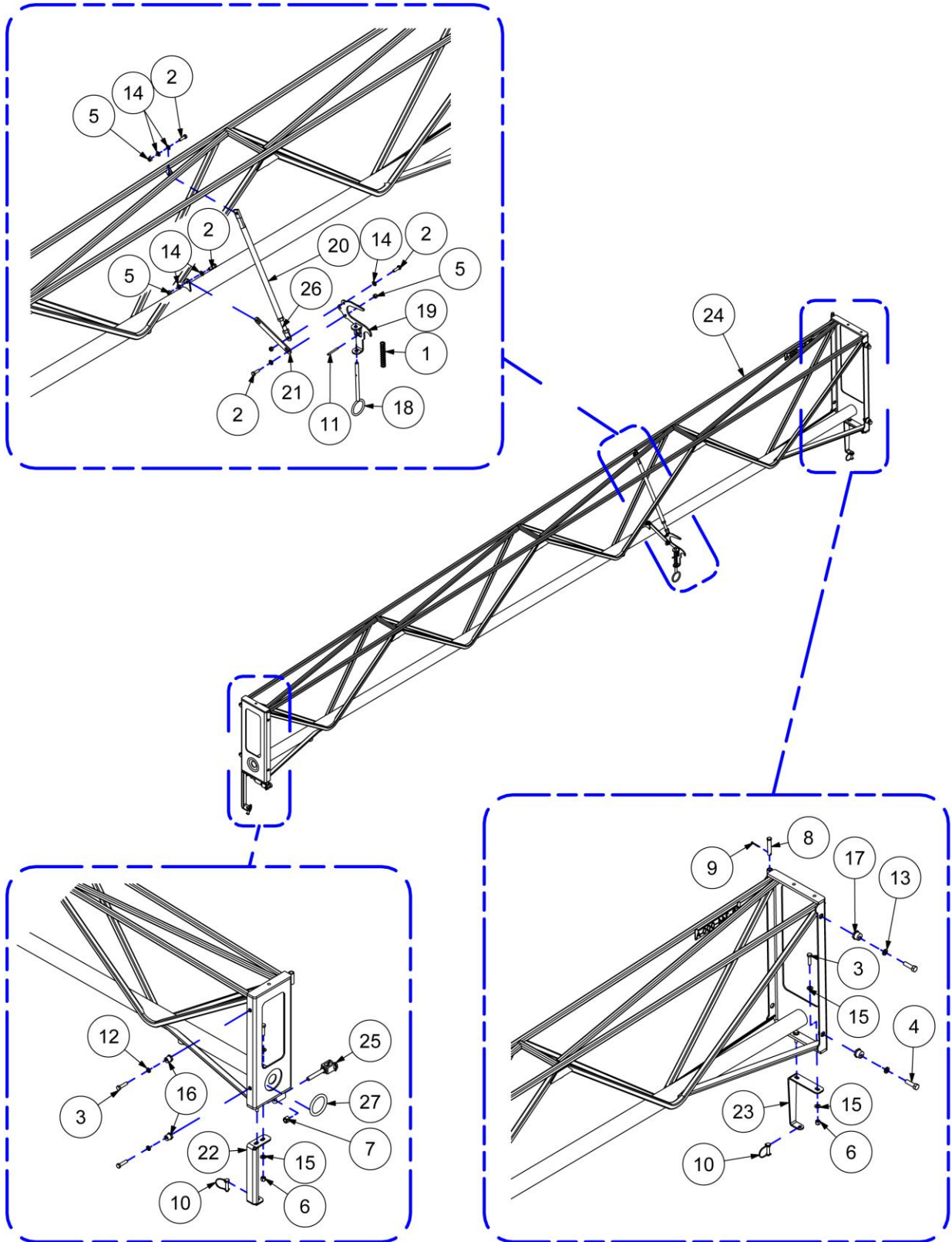




Section 3 - Boom Left Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 3 - BOOM L.H.	CB-343-001		◆
1	C-SPRING - OD0.656 L4.90 F4.6	42-763	1	
2	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	4	
3	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	6	
4	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	2	
5	NUT LOCK - 5/16-18	90-NUT-LOC031-18	4	
6	NUT LOCK - 3/8-16	90-NUT-LOC038-16	4	
7	NUT LOCK - 1/2-13	90-NUT-LOC050-13	1	
8	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
9	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
10	3/8 PIN WITH LOCK WIRE	90-PIN-Q038X138	2	
11	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	1	
12	WASHER LOCK - 3/8	90-WSR-LOC038	2	
13	WASHER LOCK - 1/2	90-WSR-LOC050	2	
14	WASHER SAE - 5/16	90-WSR-SAE031	6	
15	WASHER SAE - 3/8	90-WSR-SAE038	8	
16	MACH- OFFSET PIN OD0.75 H038	CB-005	2	
17	MACH- OFFSET PIN OD1.00 H050	CB-011	2	
18	FOLD LATCH PIN WELDMENT	CB-132-025	1	
19	MEDIUM FOLD LATCH WELDMENT	CB-232-020-A	1	
20	SEC 3 LATCH PIPE WELDMENT	CB-340-040	1	
21	SEC 3 FOLD LATCH LINK	CB-340-042	1	
22	SECTION 3 WELD 40M BOOM	CB-343-000-A	1	
23	PLATE 3 SEC REVERSAL CATCH MOUNT	CB-343-043	1	
24	PLATE 3 SEC REVERSAL CATCH MOUNT	CB-343-049-A	1	
25	FOLD DOWN PROTO CLEVIS	CB-443-054	1	
26	LINK ADJUSTABLE END	CB-765-036	1	
27	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	1	

Section 3 - Boom Right Hand

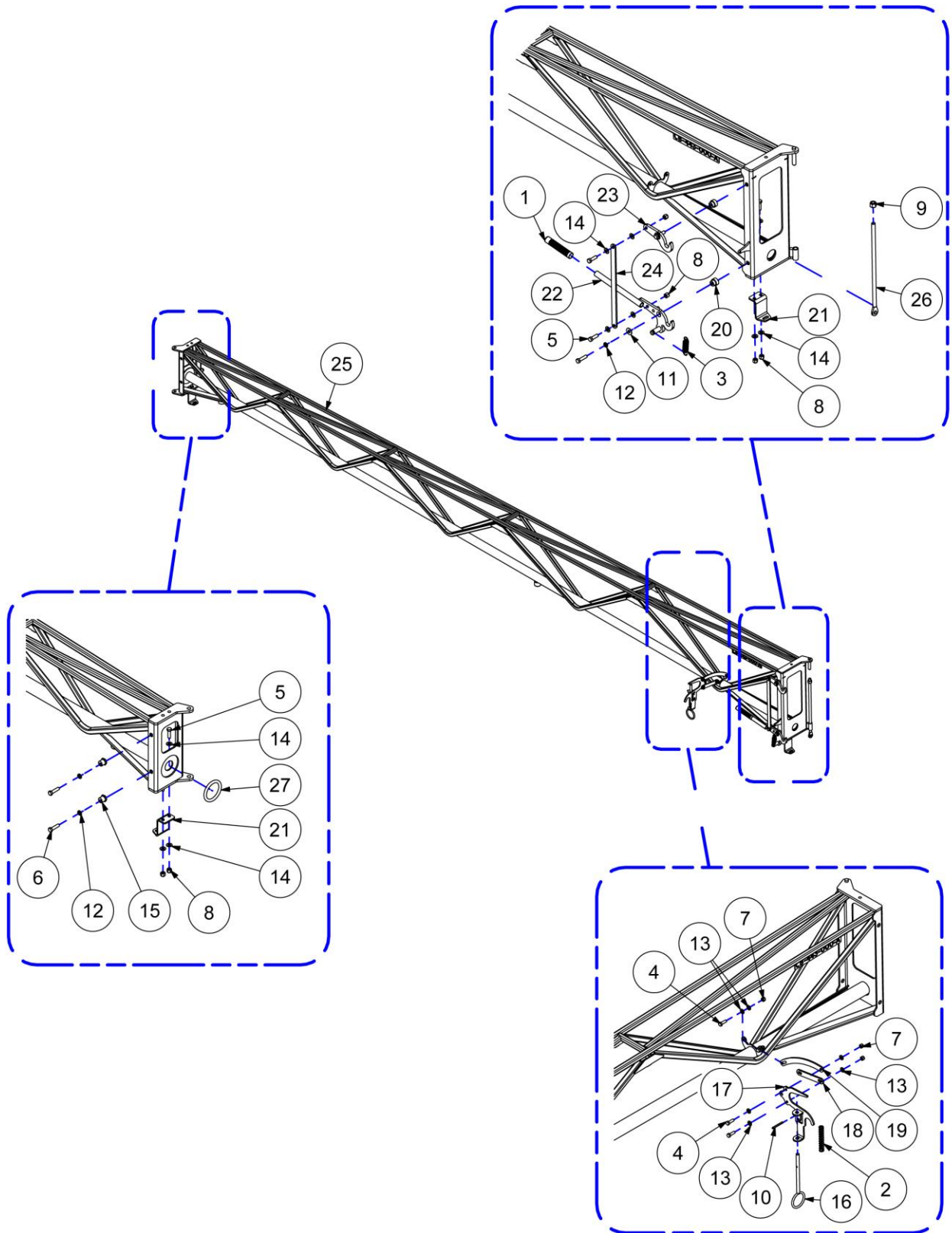




Section 3 - Boom Right Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 3 - BOOM R.H.	CB-344-001		◆
1	C-SPRING - OD0.656 L4.90 F4.6	42-763	1	
2	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	4	
3	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	6	
4	BOLT - 1/2-13 X 1 3/4	90-BLT-05013X175	2	
5	NUT LOCK - 5/16-18	90-NUT-LOC031-18	4	
6	NUT LOCK - 3/8-16	90-NUT-LOC038-16	4	
7	NUT LOCK - 1/2-13	90-NUT-LOC050-13	1	
8	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
9	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
10	3/8 PIN WITH LOCK WIRE	90-PIN-Q038X138	2	
11	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	1	
12	WASHER LOCK - 3/8	90-WSR-LOC038	2	
13	WASHER LOCK - 1/2	90-WSR-LOC050	2	
14	WASHER SAE - 5/16	90-WSR-SAE031	6	
15	WASHER SAE - 3/8	90-WSR-SAE038	8	
16	MACH- OFFSET PIN OD0.75 H038	CB-005	2	
17	MACH- OFFSET PIN OD1.00 H050	CB-011	2	
18	FOLD LATCH PIN WELDMENT	CB-132-025	1	
19	MEDIUM FOLD LATCH WELDMENT	CB-232-020-A	1	
20	SEC 3 LATCH PIPE WELDMENT	CB-340-040	1	
21	SEC 3 FOLD LATCH LINK	CB-340-042	1	
22	PLATE 3 SEC REVERSAL CATCH MOUNT	CB-343-041-A	1	
23	PLATE 3 SEC REVERSAL CATCH MOUNT	CB-343-043	1	
24	SECTION 3 WELD-TOGETHER 40M B	CB-344-000-A	1	
25	FOLD DOWN PROTO CLEVIS	CB-443-054	1	
26	LINK ADJUSTABLE END	CB-765-036	1	
27	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	1	

Section 4 - Boom Left Hand

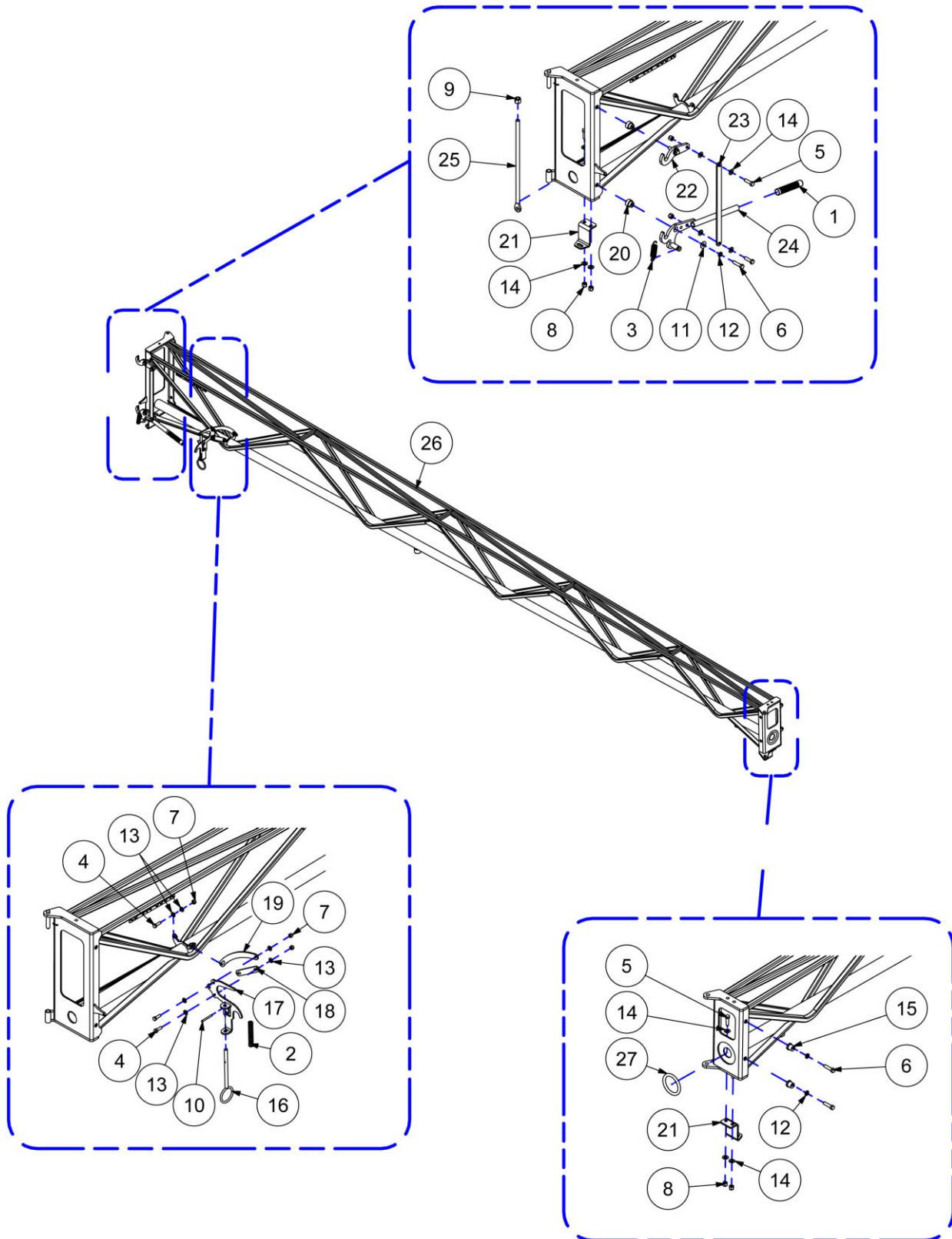




Section 4 - Boom Left Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 4 - BOOM L.H.	CB-443-001		◆
1	GRIP - 3/4 OD 4.8 LONG	42-678	1	
2	C-SPRING - OD0.656 L4.90 F4.6	42-763	1	
3	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
4	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	4	
5	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	6	
6	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
7	NUT LOCK - 5/16-18	90-NUT-LOC031-18	4	
8	NUT LOCK - 3/8-16	90-NUT-LOC038-16	6	
9	NUT LOCK - 1/2-13	90-NUT-LOC050-13	1	
10	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	1	
11	WASHER FLAT - 3/8	90-WSR-FLT038	2	
12	WASHER LOCK - 3/8	90-WSR-LOC038	4	
13	WASHER SAE - 5/16	90-WSR-SAE031	8	
14	WASHER SAE - 3/8	90-WSR-SAE038	12	
15	MACH- OFFSET PIN OD0.75 H038	CB-005	2	
16	FOLD LATCH PIN WELDMENT	CB-132-025	1	
17	SMALL FOLD LATCH WELDMENT	CB-332-020	1	
18	SMALL FOLD LATCH LINK	CB-332-024	1	
19	SMALL FOLD LATCH CURVED LINK	CB-332-025	1	
20	MACH -FLANGED INSERT 0.75 X H038	CB-332-034	2	
21	LOCKING TAB FOR FOLDING SECTION	CB-343-044	2	
22	END LATCH WELD SECTION 3/4 - LH	CB-440-030-A	1	
23	UPPER END LATCH SECTION 4	CB-440-032	1	
24	END LATCH LINK SECTION 4	CB-440-033	1	
25	SECTION 4 40M WELD	CB-443-000-A	1	
26	BOOM FOLD WELD BOLT TAB	CB-443-045	1	
27	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	1	

Section 4 - Boom Right Hand

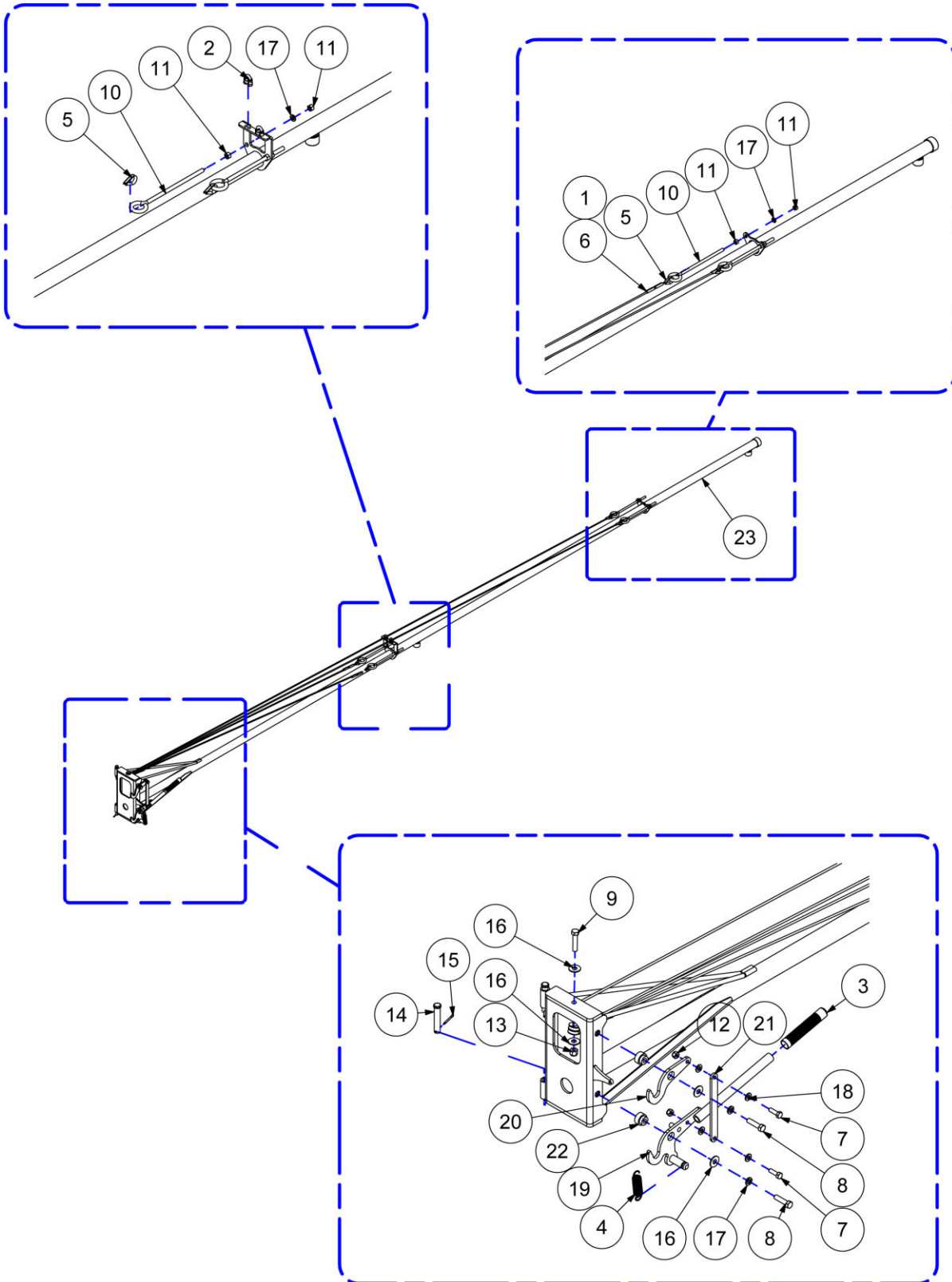




Section 4 - Boom Right Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 4 - BOOM R.H.	CB-444-001		◆
1	GRIP - 3/4 OD 4.8 LONG	42-678	1	
2	C-SPRING - OD0.656 L4.90 F4.6	42-763	1	
3	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
4	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	4	
5	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	6	
6	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
7	NUT LOCK - 5/16-18	90-NUT-LOC031-18	4	
8	NUT LOCK - 3/8-16	90-NUT-LOC038-16	6	
9	NUT LOCK - 1/2-13	90-NUT-LOC050-13	1	
10	ROLL PIN - 3/16 X 2.00 LG PLATED	90-PIN-RL018X200	1	
11	WASHER FLAT - 3/8	90-WSR-FLT038	2	
12	WASHER LOCK - 3/8	90-WSR-LOC038	4	
13	WASHER SAE - 5/16	90-WSR-SAE031	8	
14	WASHER SAE - 3/8	90-WSR-SAE038	12	
15	MACH- OFFSET PIN OD0.75 H038	CB-005	2	
16	FOLD LATCH PIN WELDMENT	CB-132-025	1	
17	SMALL FOLD LATCH WELDMENT	CB-332-020	1	
18	SMALL FOLD LATCH LINK	CB-332-024	1	
19	SMALL FOLD LATCH CURVED LINK	CB-332-025	1	
20	MACH -FLANGED INSERT 0.75 X H038	CB-332-034	2	
21	LOCKING TAB FOR FOLDING SECTION	CB-343-044	2	
22	UPPER END LATCH SECTION 4	CB-440-032	1	
23	END LATCH LINK SECTION 4	CB-440-033	1	
24	SEC 3 / 4 END LATCH WELD - RH	CB-441-030-A	1	
25	BOOM FOLD WELD BOLT TAB	CB-443-045	1	
26	SECTION 4 WELD 40M RH	CB-444-000-A	1	
27	GASKET - 50MM (BAUER)	IR-GKT-BAUER050	1	

Section 5 - Boom 42M

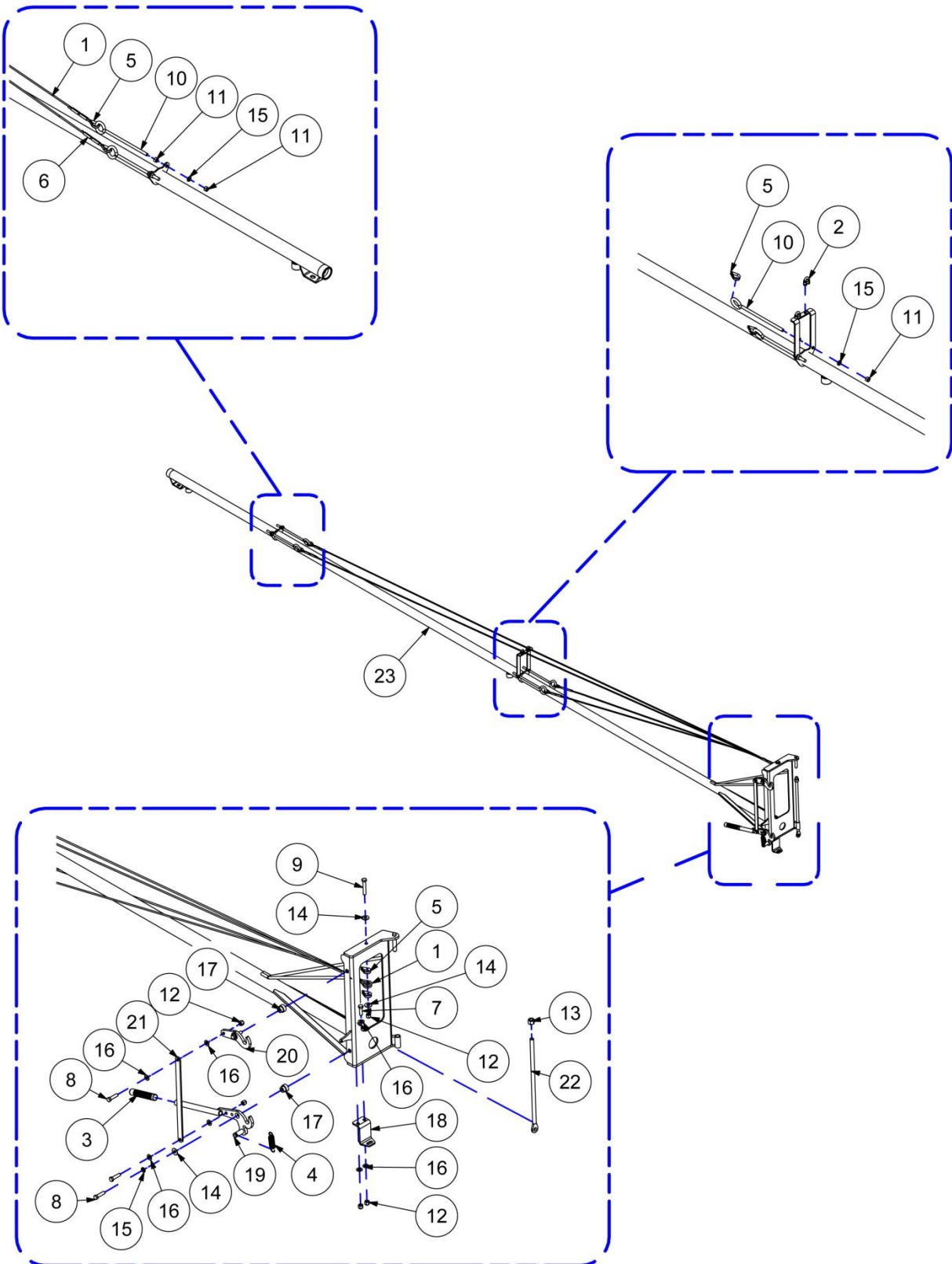




Section 5 - Boom 42M

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 5 - BOOM L.H.	CB-540-000		◆
1	3/16 IN. AIRCRAFT CABLE	40-058	469	
2	CLAMP CABLE - 1/8	40-060	2	
3	GRIP - 3/4 OD 4.8 LONG	42-678	1	
4	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
5	THIMBLE - 5/16 GALV	42-780-A	6	
6	CLMAP - 0.313 ALUM SWAGE OVAL	42-781-A	12	
7	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	2	
8	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	2	
9	BOLT - 3/8-16 X 1 3/4	90-BLT-03816X175	1	
10	EYE BOLT - 3/8-16 L 8.00 x 4.00	90-EBT-03816X800X400	4	
11	NUT HEX - 3/8-16	90-NUT-HEX038-16GALV	8	
12	NUT LOCK - 5/16-18	90-NUT-LOC031-18	2	
13	NUT LOCK - 3/8-16	90-NUT-LOC038-16	1	
14	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
15	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
16	WASHER FLAT - 3/8	90-WSR-FLT038	4	
17	WASHER LOCK - 3/8	90-WSR-LOC038	6	
18	WASHER SAE - 5/16	90-WSR-SAE031	4	
19	SEC 5 END LATCH WELDMENT - RH	CB-540-030-A	1	
20	SEC 5 END LATCH LASER	CB-540-032	1	
21	SEC 5 END LATCH LINK	CB-540-033	1	
22	MACH -FLANGED INSERT 0.75 X H025	CB-540-034	2	
23	40M SEC 5 MAIN PIPE WELDMENT	CB-540-100-D	1	

Section 5 - Boom Left Hand

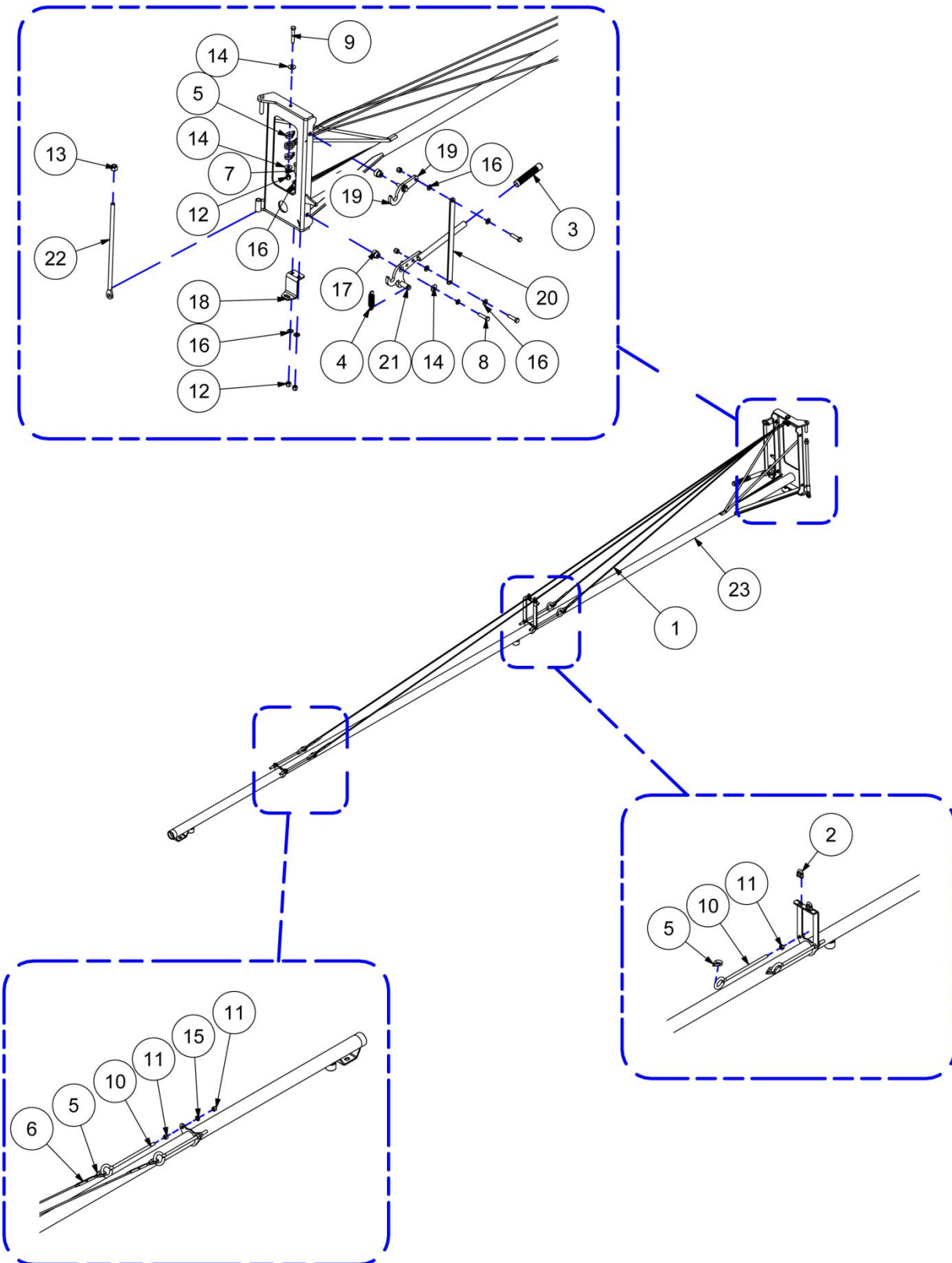




Section 5 - Boom Left Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 5 - BOOM L.H.	CB-543-001		◆
1	AIRCRAFT CABLE - 3/16	40-058	470	
2	CLAMP CABLE - 1/8	40-060	2	
3	GRIP - 3/4 OD 4.8 LONG	42-678	1	
4	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
5	THIMBLE - 5/16 GALV	42-780-A	6	
6	CLAMP - 0.313 ALUM SWAGE OVAL	42-781-A	12	
7	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	2	
8	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
9	BOLT - 3/8-16 X 2 1/4	90-BLT-03816X225	1	
10	EYE BOLT - 3/8-16 L 8.00 x 4.00	90-EBT-03816X800X400	4	
11	NUT HEX - 3/8-16	90-NUT-HEX038-16GALV	8	
12	NUT LOCK - 3/8-16	90-NUT-LOC038-16	5	
13	NUT LOCK - 1/2-13	90-NUT-LOC050-13	1	
14	WASHER FLAT - 3/8	90-WSR-FLT038	4	
15	WASHER LOCK - 3/8	90-WSR-LOC038	6	
16	WASHER SAE - 3/8	90-WSR-SAE038	8	
17	MACH -FLANGED INSERT 0.75 X H038	CB-332-034	2	
18	LOCKING TAB FOR FOLDING SECTION	CB-343-044	1	
19	END LATCH WELD SECTION 3/4 - LH	CB-440-030-A	1	
20	UPPER END LATCH SECTION 4	CB-440-032	1	
21	END LATCH LINK SECTION 4	CB-440-033	1	
22	BOOM FOLD WELD BOLT TAB	CB-443-045	1	
23	END SECTION WELDMENT 30M BOOM	CB-543-000	1	

Section 5 - Boom Right Hand

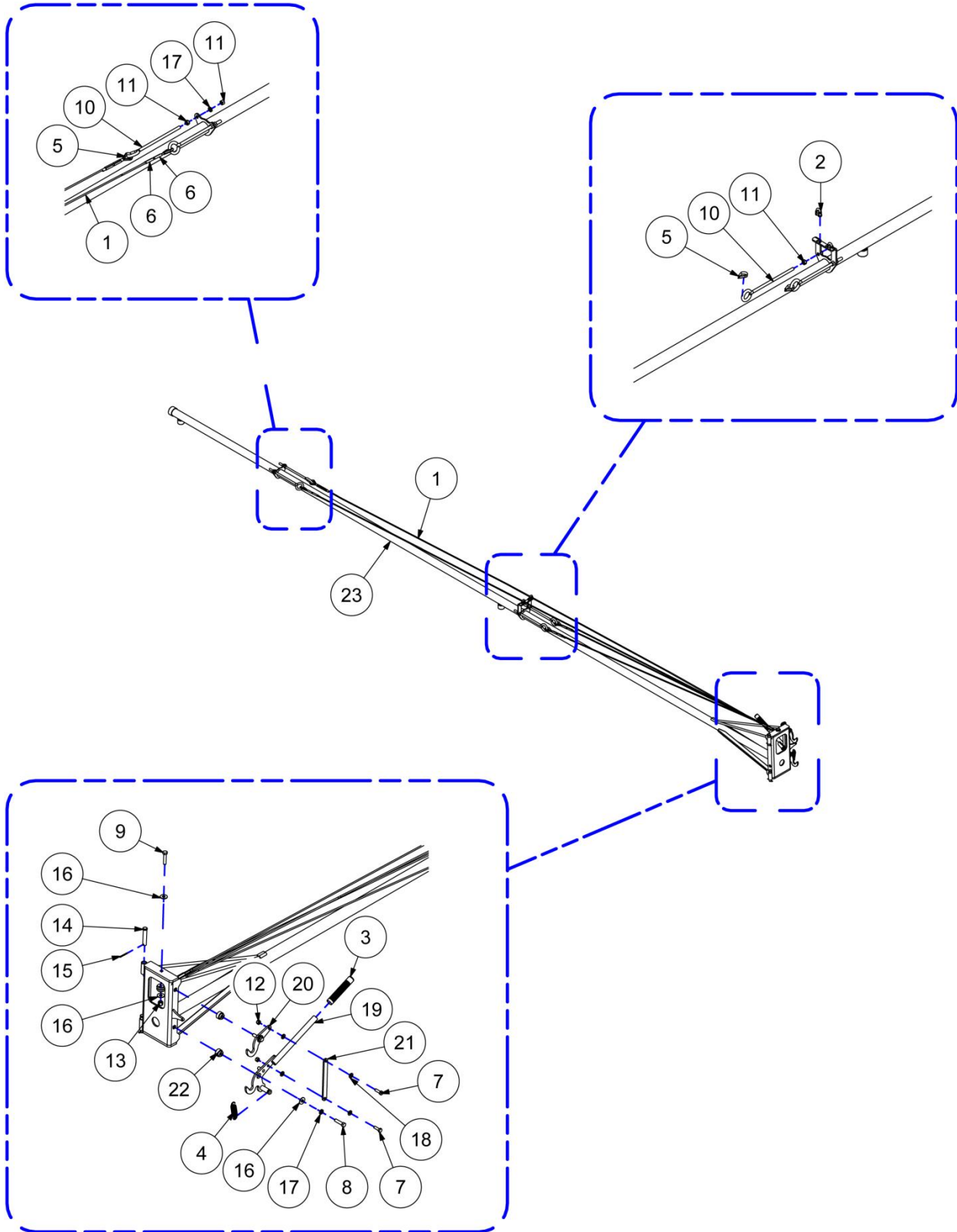




Section 5 - Boom Right Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 5 - BOOM R.H.	CB-544-001		◆
1	AIRCRAFT CABLE - 3/16	40-058	470	
2	CLAMP CABLE - 1/8	40-060	2	
3	GRIP - 3/4 OD 4.8 LONG	42-678	1	
4	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
5	THIMBLE - 5/16 GALV	42-780-A	6	
6	CLMAP - 0.313 ALUM SWAGE OVAL	42-781-A	12	
7	BOLT - 3/8-16 X 1 1/4	90-BLT-03816X125	2	
8	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	4	
9	BOLT - 3/8-16 X 2 1/4	90-BLT-03816X225	1	
10	EYE BOLT - 3/8-16 L 8.00 x 4.00	90-EBT-03816X800X400	4	
11	NUT HEX - 3/8-16	90-NUT-HEX038-16GALV	8	
12	NUT LOCK - 3/8-16	90-NUT-LOC038-16	5	
13	NUT LOCK - 1/2-13	90-NUT-LOC050-13	1	
14	WASHER FLAT - 3/8	90-WSR-FLT038	4	
15	WASHER LOCK - 3/8	90-WSR-LOC038	6	
16	WASHER SAE - 3/8	90-WSR-SAE038	8	
17	MACH -FLANGED INSERT 0.75 X H038	CB-332-034	2	
18	LOCKING TAB FOR FOLDING SECTION	CB-343-044	1	
19	UPPER END LATCH SECTION 4	CB-440-032	1	
20	END LATCH LINK SECTION 4	CB-440-033	1	
21	SEC 3 / 4 END LATCH WELD - RH	CB-441-030-A	1	
22	BOOM FOLD WELD BOLT TAB	CB-443-045	1	
23	END SECTION WELDMENT 30/32M BOOM	CB-544-000	1	

Section 6 - Boom Left Hand

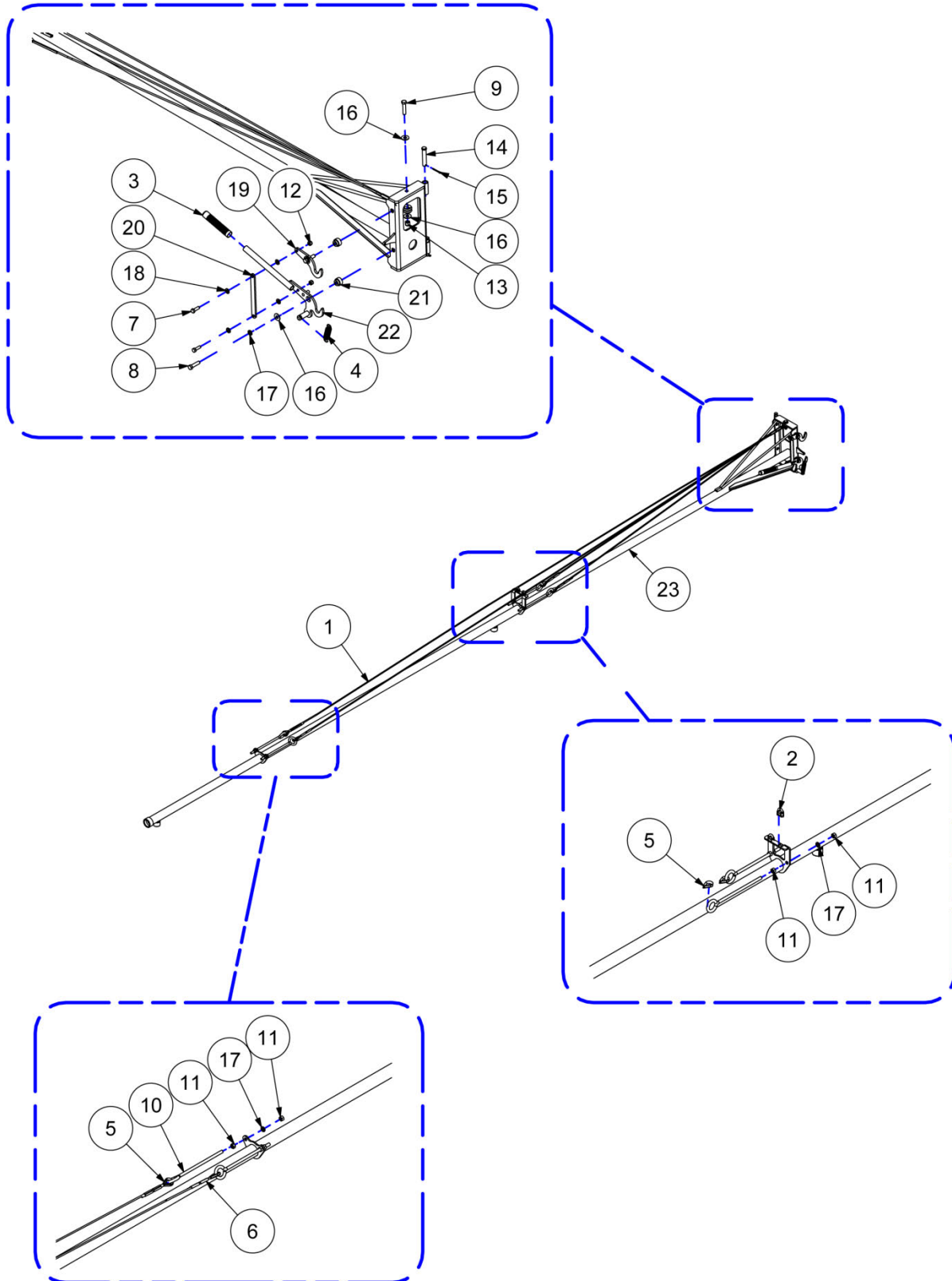




Section 6 - Boom Left Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 6 - BOOM L.H.	CB-643-001		◆
1	AIRCRAFT CABLE - 3/16	40-058	469	
2	CLAMP CABLE - 1/8	40-060	2	
3	GRIP - 3/4 OD 4.8 LONG	42-678	1	
4	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
5	THIMBLE - 5/16 GALV	42-780-A	6	
6	CLAMP - 0.313 ALUM SWAGE OVAL	42-781-A	12	
7	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	2	
8	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	2	
9	BOLT - 3/8-16 X 1 3/4	90-BLT-03816X175	1	
10	EYE BOLT - 3/8-16 L 8.00 x 4.00	90-EBT-03816X800X400	4	
11	NUT HEX - 3/8-16	90-NUT-HEX038-16GALV	8	
12	NUT LOCK - 5/16-18	90-NUT-LOC031-18	2	
13	NUT LOCK - 3/8-16	90-NUT-LOC038-16	1	
14	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
15	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
16	WASHER FLAT - 3/8	90-WSR-FLT038	4	
17	WASHER LOCK - 3/8	90-WSR-LOC038	6	
18	WASHER SAE - 5/16	90-WSR-SAE031	4	
19	SEC 5 END LATCH WELDMENT - RH	CB-540-030-A	1	
20	SEC 5 END LATCH LASER	CB-540-032	1	
21	SEC 5 END LATCH LINK	CB-540-033	1	
22	MACH -FLANGED INSERT 0.75 X H025	CB-540-034	2	
23	40M END SECTION WELDMENT	CB-643-000	1	

Section 6 - Boom Right Hand

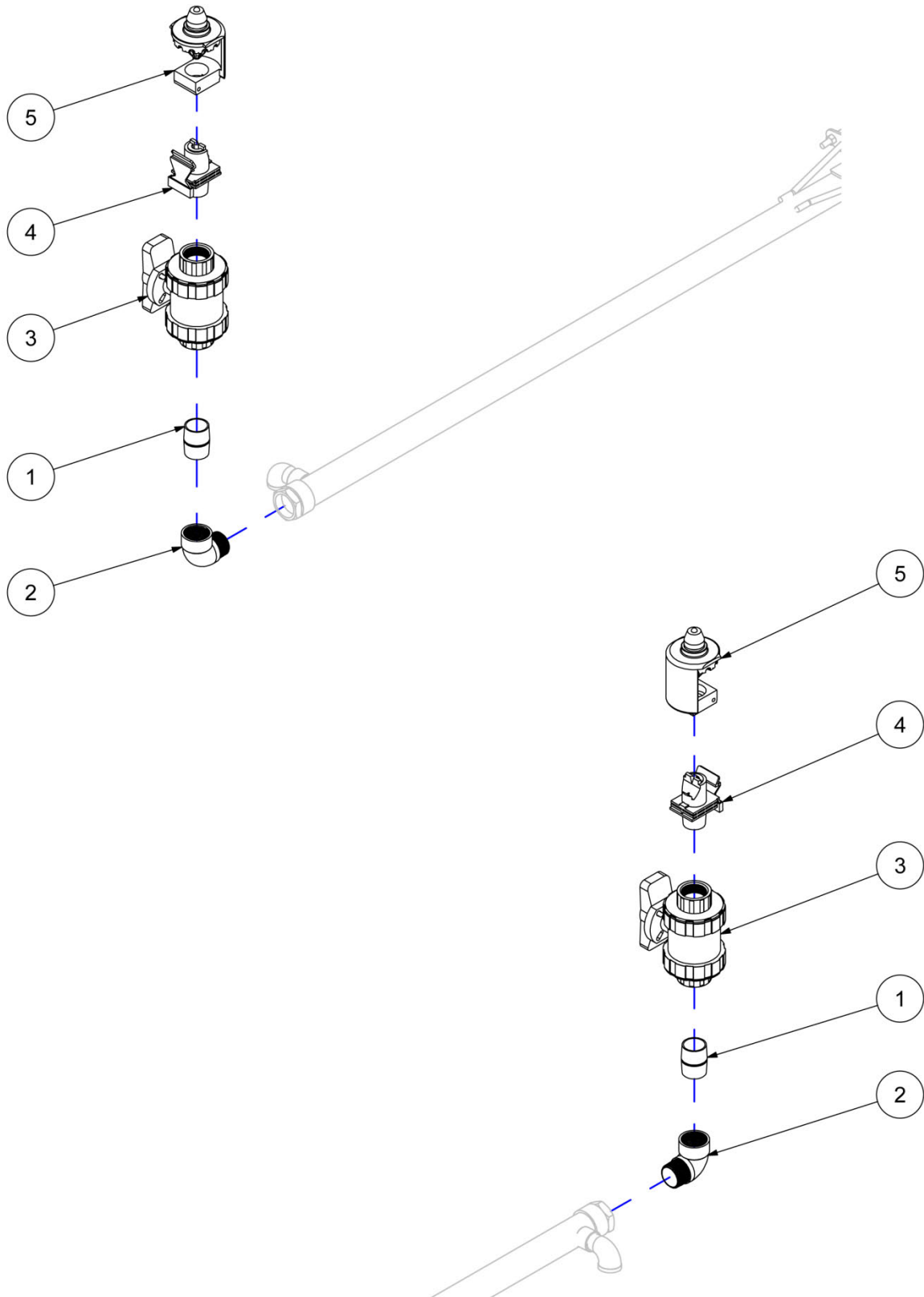




Section 6 - Boom Right Hand

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	SECTION 6 - BOOM R.H.	CB-644-001		◆
1	AIRCRAFT CABLE - 3/16	40-058	470	
2	CLAMP CABLE - 1/8	40-060	2	
3	GRIP - 3/4 OD 4.8 LONG	42-678	1	
4	EXT-SPRING - OD0.75 WD0.075 L3.00	42-764	1	
5	THIMBLE - 5/16 GALV	42-780-A	6	
6	CLMAP - 0.313 ALUM SWAGE OVAL	42-781-A	12	
7	BOLT - 5/16-18 X 1.00	90-BLT-03118X100	2	
8	BOLT - 3/8-16 X 1 1/2	90-BLT-03816X150	2	
9	BOLT - 3/8-16 X 1 3/4	90-BLT-03816X175	1	
10	EYE BOLT - 3/8-16 L 8.00 x 4.00	90-EBT-03816X800X400	4	
11	NUT HEX - 3/8-16	90-NUT-HEX038-16GALV	8	
12	NUT LOCK - 5/16-18	90-NUT-LOC031-18	2	
13	NUT LOCK - 3/8-16	90-NUT-LOC038-16	1	
14	PIN CLEVIS - 1/2X 2 3/8 USEABLE	90-PIN-CL050X238	2	
15	COTTER PIN - 1/8 X 1.00	90-PIN-CT013X100	2	
16	WASHER FLAT - 3/8	90-WSR-FLT038	4	
17	WASHER LOCK - 3/8	90-WSR-LOC038	6	
18	WASHER SAE - 5/16	90-WSR-SAE031	4	
19	SEC 5 END LATCH LASER	CB-540-032	1	
20	SEC 5 END LATCH LINK	CB-540-033	1	
21	MACH -FLANGED INSERT 0.75 X H025	CB-540-034	2	
22	SEC 5 END LATCH WELDMENT - LH	CB-541-030-A	1	
23	40M END SECTION WELDMENT	CB-644-000	1	

End Sprinkler Kit - R55 ◆

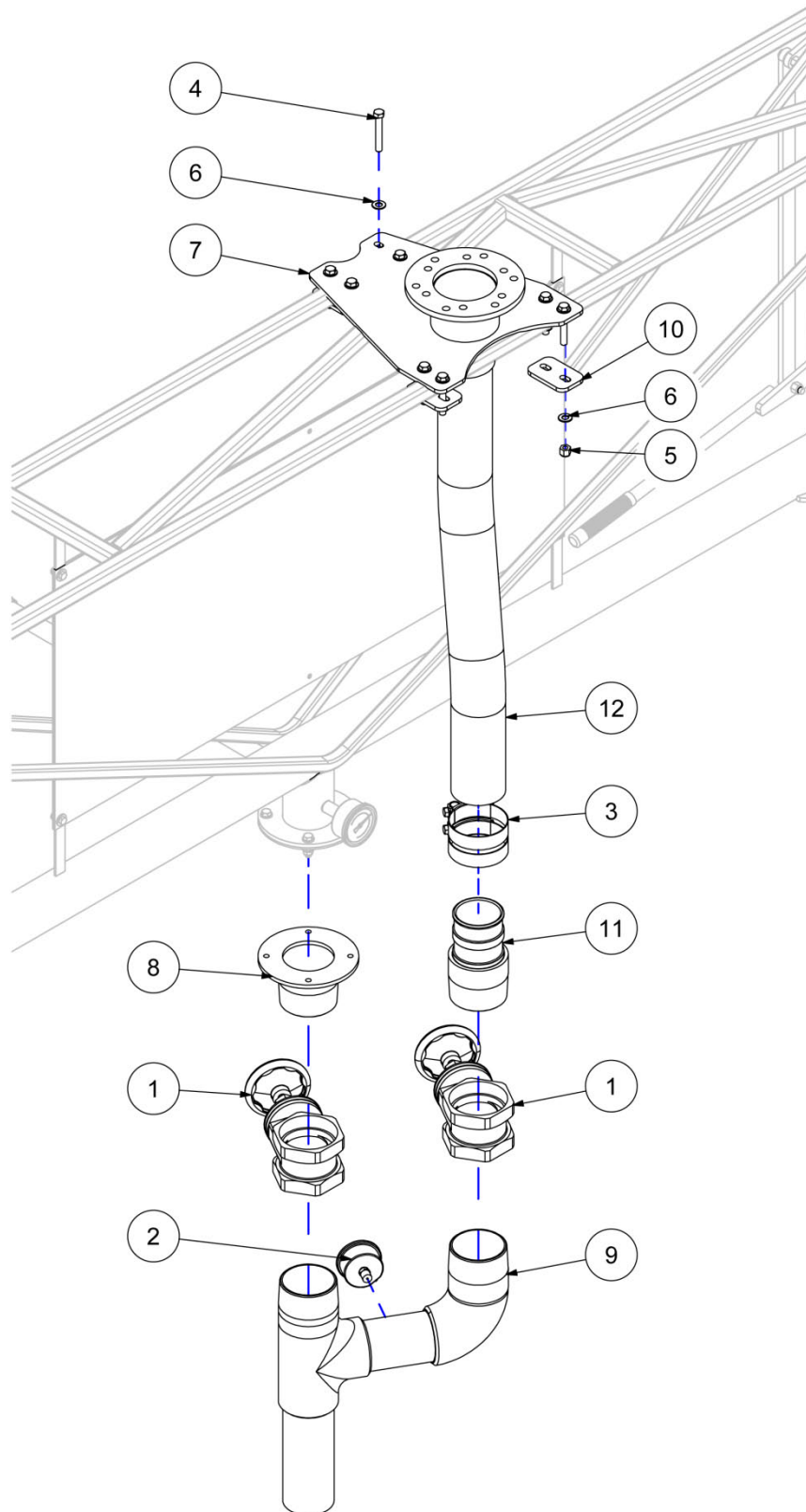




End Sprinkler Kit - R55 ◆

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	END SPRINKLER KIT - R55	CB-KIT-EGPR55		◆
1	NIPPLE CLOSE - 1.25" GALV.	40-NPT-NPLC125G	2	
2	1 1/4 PVC SCH 40 90 DEG ELBOW MP	BR-PRT-412-012	2	
3	BALL VALVE - 1 1/4 TU 2000 PVC	BR-PRT-3629-012	2	
4	NOZZLE ASSY - SNAP FIT NPT - 52	SP-NEL-12679-052	2	
5	BODY ASSY - BLUE PLATE - R55 VT	SP-NEL-12885	2	

Center Sprinkler Kit - 3-Wheel ◆

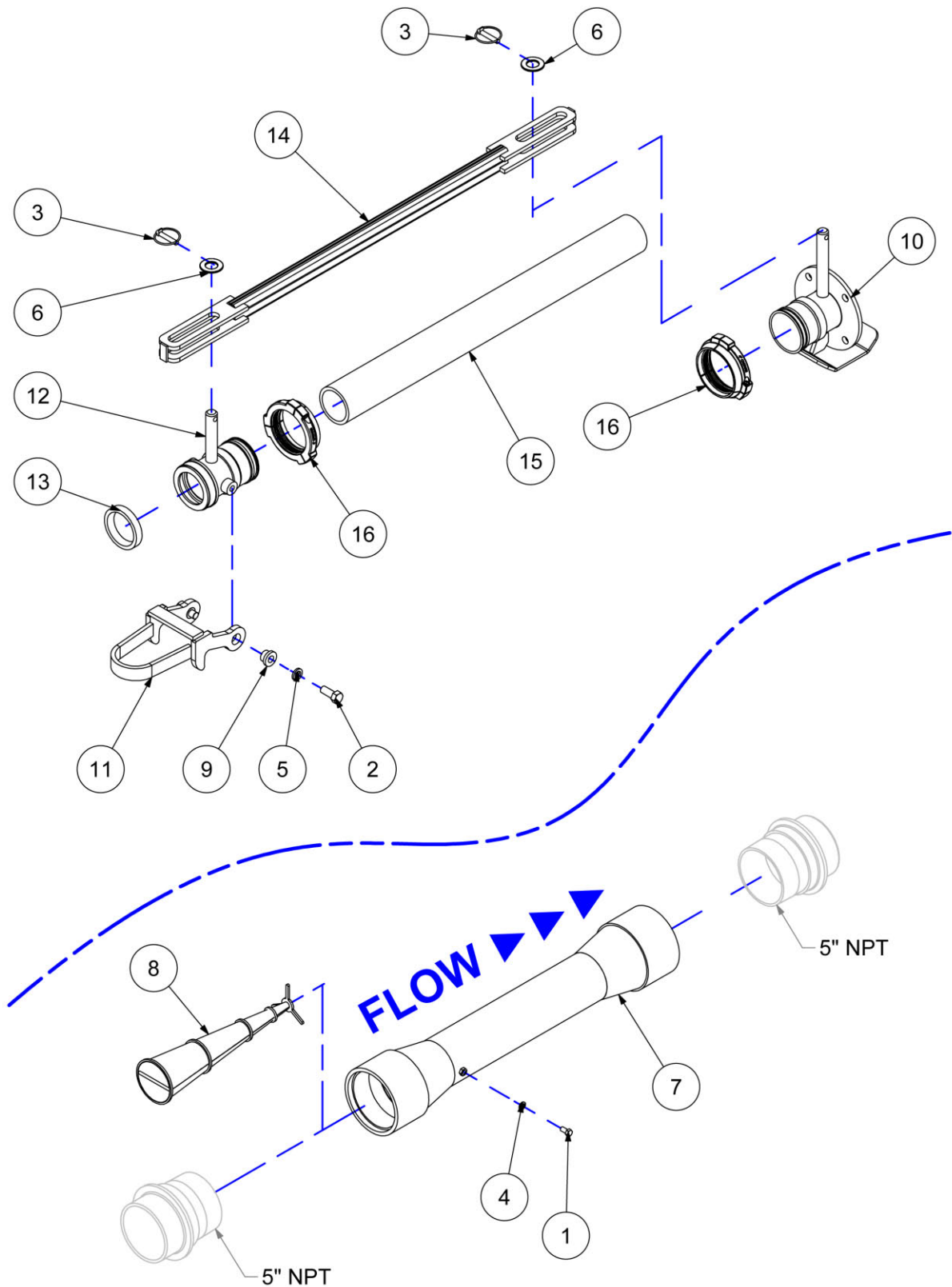




Center Sprinkler Kit - 3-Wheel ◆

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	KIT CENTRE SPRINKLER 3-WHEEL	CB-KIT-CS3WHL		◆
1	GATE VALVE - 3.00	40-NPT-VLV300GATFF	2	
2	GAUGE - 0-160 PSI WET	45-059	1	
3	CLAMP - M8 80-85 (3.15-3.38 IN)	50-065	4	
4	BOLT - 3/8-16 X 2 1/2	90-BLT-03816X250	8	
5	NUT LOCK - 3/8-16	90-NUT-LOC038-16	8	
6	WASHER SAE - 3/8	90-WSR-SAE038	16	
7	GUN MOUNT WELDMENT 3 WHEEL	CB-140-109	1	
8	FLANGE TO 3 IN BARB	CB-140-111	1	
9	3 WHL GUN OPT DIVERTER WELd't	CB-140-114	1	
10	PLATE 3 WHEEL GUN MOUNT	CB-140-119	4	
11	ADAPTER - 3.00 BARB/NIPPLE	CB-165-052	1	
12	HOSE - 3.00 CADMAN SUPPLY	IR-HOZ-300CSSL/FT	3	

Inlet Accessories ◆





Inlet Accessories ◆

ITEM	DESCRIPTION	PART NUMBER	QTY	NOTES
◆	IN-LINE FILTER FOR CADMAN BOOM	CB-PRT-FLT		◆
◆	LAYFLAT CONNECTOR FOR BOOM	CB-KIT-LC		◆
1	BOLT - 3/8-16 X 3/4	90-BLT-03816X075	1	
2	BOLT - 5/8-11 X 1 1/2	90-BLT-06311X150	2	
3	LYNCH PIN - STANDARD	90-PIN-LYNCH	2	
4	WASHER SEALING - 3/8	90-WSR-BS038	1	
5	WASHER LOCK - 5/8	90-WSR-LOC063	2	
6	WASHER SAE - 1.00	90-WSR-SAE100	2	
7	INLINE FILTER TUBE WELDMENT	BR-PRT-066	1	
8	INLINE FILTER SCREEN	BR-PRT-069-C	1	
9	MACH - FLANGED INSERT 1.00X0.50	CB-013	2	
10	WELD LAYFLAT BARB FLG	CB-020-B	1	
11	LOCKING HOOK WELD - LC	CB-034	1	
12	FEMALE LAYFLAT END WELDMENT	CB-036	1	
13	PULL COUPLING LIP SEAL	CB-037	1	
14	CART SLOTTED LINK WELDMENT	CB-665-126	1	
15	PREMIUM SUPPLY HOSE - 4 IN	IR-HOZ-400CPSL/FT	1	
16	HOSE CLAMP - 4.00 SINGLE BARB	IR-MIS-20063	2	

Required Maintenance

To make sure your Irrigation Boom performs as intended it is important to follow the maintenance schedule in this manual.



Maintenance must be done only when the irrigation boom is shut down and is in a non-loaded condition. This means that all mechanical and hydraulic tension has been released from the irrigation boom. Performing maintenance on the irrigation boom during operation may result in serious injury and/or death to operators

Each Use



MAINTENANCE ITEM	PROCEDURE
Visually inspect equipment	Walk around the unit and inspect for any items which appear loose, missing, or damaged. This can include O-rings, seals, joints, cams and springs among other items. Replace missing or damaged items and tighten loosened items
Inspect all pins	Check pins for wear and/or damage. Replace worn and/or damaged pins.
Inspect all lubrication points	Check all grease points. Use grease gun to lubricate grease points as needed. Do not exceed times set in Grease Points Upkeep (<i>see below</i>).
Inspect tire pressure	<p>Check sidewall tire for operating pressure and use tire pressure gauge to see if inflation is correct. Do not lower the tire pressure below the tire's recommended level. Do not overinflate tires.</p> <p> Failure to use recommended tire pressure may result in the tire exploding, or separating from the wheel rim. This may result in serious injury and/or death. This will also damage the irrigation boom.</p>
Inspect all wheel nuts	<p>Check and see if wheel nuts are tight. If they need to be tightened then tighten them with a torque wrench to:</p> <p style="text-align: center;">110 ft•lbs [149 N•m]</p> <p>Do not operate the boom if the wheel nuts are loose.</p> <p> Using the boom if the wheel nuts are not correctly torqued may result in wheel separation. This may result in serious injury and/or death, and will damage the boom.</p>

Table 1 - Each Use

Greases and Lubricants

Grease: Any good grade, multi-purpose, waterproof grease is compatible with the lubrication needs of your irrigation boom.

After Long Term Storage

Complete the following procedure prior to start-up of your irrigation boom after long term storage.


MAINTENANCE ITEM	PROCEDURE
Review operator's manual	Review this manual to verify how to operate the irrigation boom safely. This will reduce the chance of user injury and equipment damage.
Inspect tires	Verify that tires are in good condition with no cracks, uneven wear, and/or other problems. Check sidewall of tire for operating pressure and use tire pressure gauge to see if inflation is correct. Do not lower the tire pressure below the tire's recommended level. Do not overinflate tires.  Failure to use recommended tire pressure may result in the tire exploding, or separating from the wheel rim. This may result in serious injury and/or death. This will also damage the irrigation boom.

Table 2 - After Long Term Storage



Failing to review the operator's manual and/or inspecting the unit after long term storage may result in incorrect irrigation boom operation and/or not performing maintenance on items that may require repair. This may result in serious injury and/or death to operators and/or spectators. This may also damage the irrigation boom.

Grease Point Locations

GREASE POINT LOCATION	
Turntable	70 hours or one week (whichever comes first)
Wheel Bearings	Repack and Grease annually
Front Steering Kingpin	70 hours or one week (whichever comes first)
Other Steering Components	70 hours or one week (whichever comes first)
Offset Feed Components	70 hours or one week (whichever comes first)

Table 3 - Grease Point

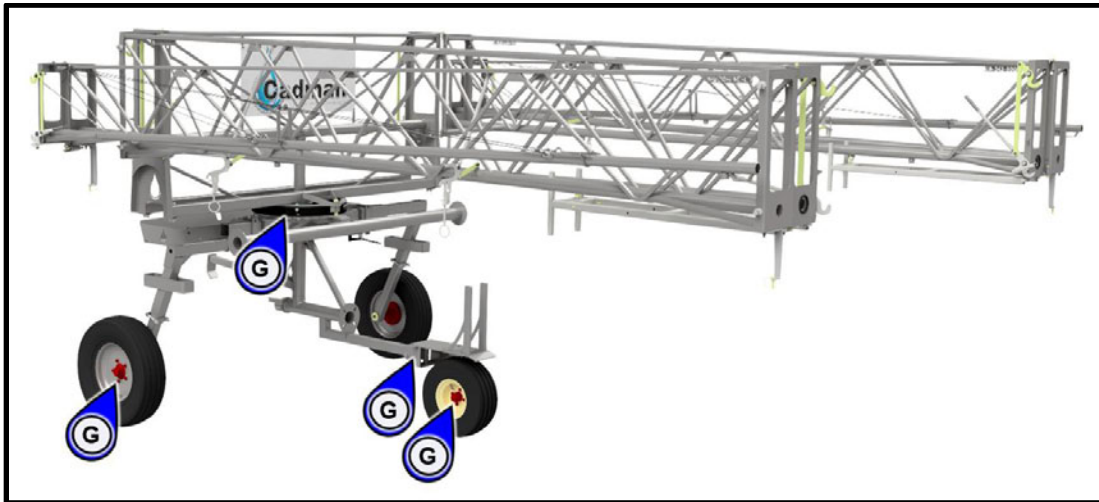


Figure 26 - Grease Points - 3 Wheel Cart

img-01483

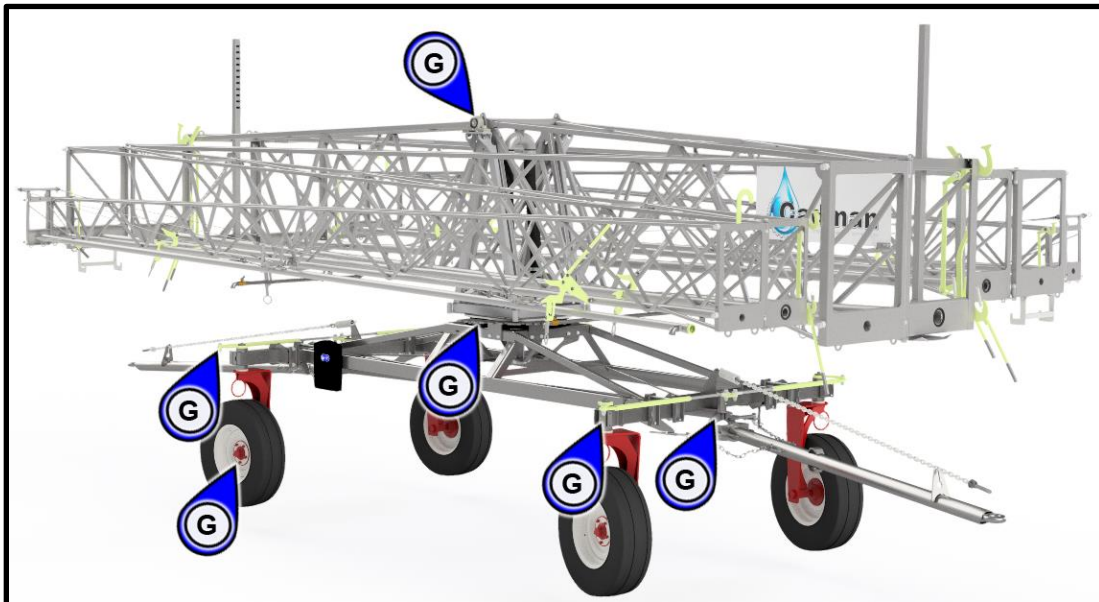


Figure 27 - Grease Points - 4 Wheel Cart

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3 Wheel Irrigation Boom Dimensions and Weight

The dimensions and weights shown on the following page are only approximate.

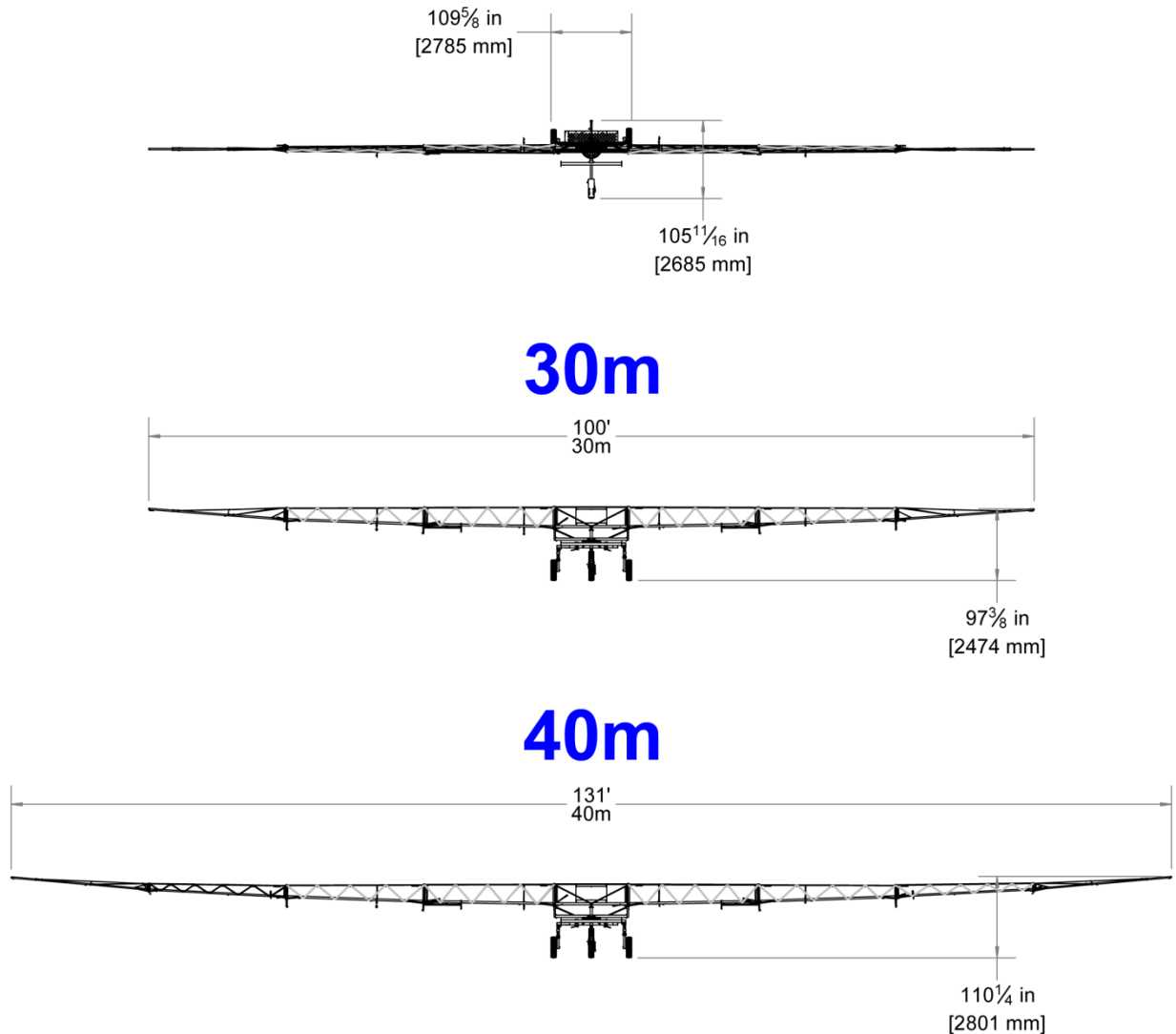


Figure 28 - Overall Dimensions 3 Wheel Irrigation Booms

img-01484

The weight for an empty Cadman 30m Irrigation Boom is 1880 lbs (853 kg)

The weight for an empty Cadman 40m Irrigation Boom is 2081 lbs (944 kg)

4 Wheel Irrigation Boom Dimensions and Weight

The dimensions and weights shown on the following page are only approximate.

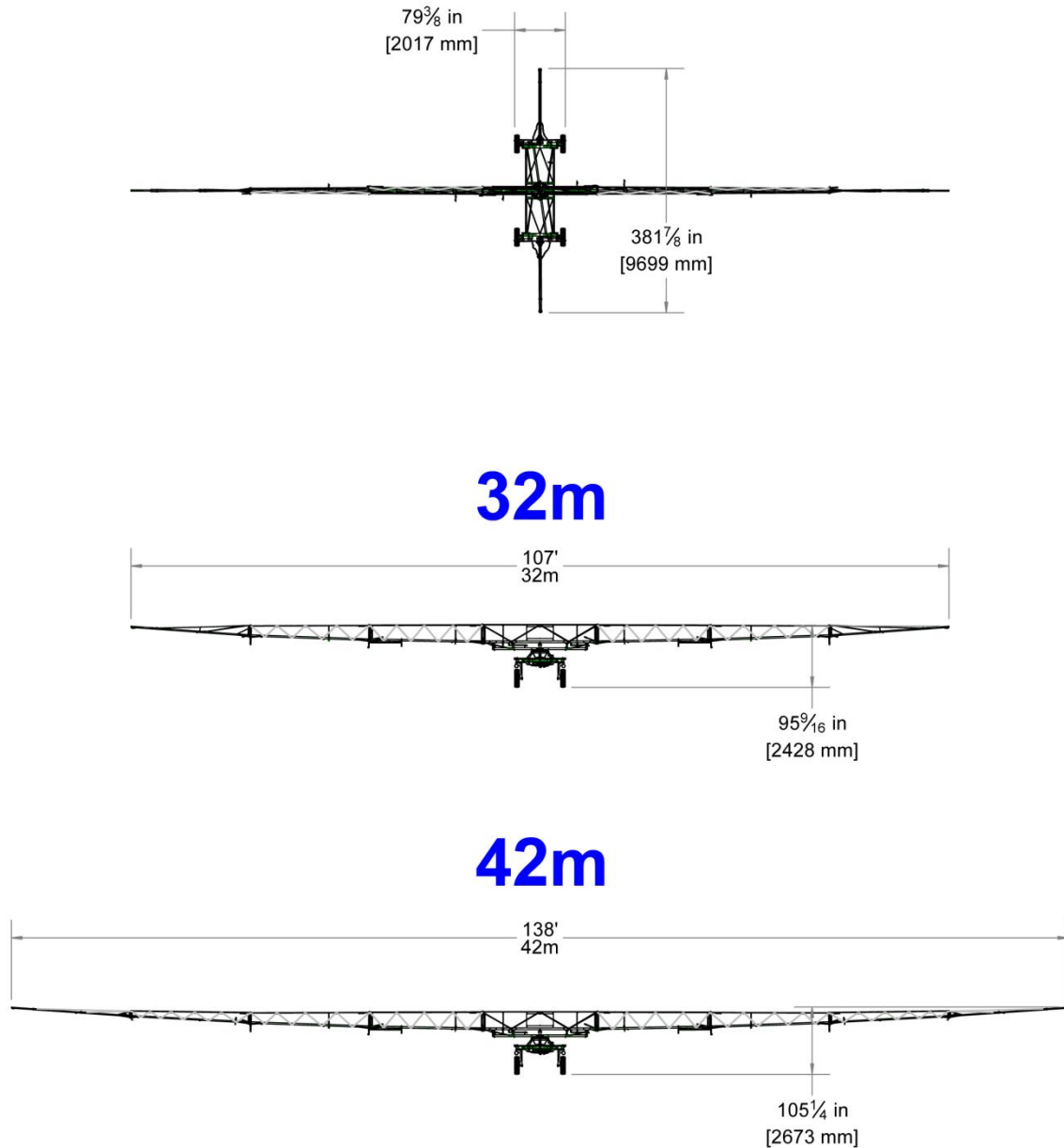


Figure 29 - Overall Dimensions 4 Wheel Irrigation Booms

img-01485

The weight for an empty Cadman 32m Irrigation Boom is 2402 lbs (1090 kg)

The weight for an empty Cadman 42m Irrigation Boom is 2820 lbs (1280 kg)

Useful Information

LENGTH

1 FOOT	= 12	Inches	1 METER	= 39.37	Inches
	= 0.3048	Meter		= 3.2808	Feet
1 ROD	= 198	Inches	1 MILE	= 5280	Feet
	= 16.5	Feet		= 1760	Yards
	= 5.5	Yards		= 320	Rods
	= 5.029	Meters		= 1609	Meters

AREA

1 SQUARE FOOT	= 144	Square Inches
	= 0.0929	Square Meters
1 SQUARE YARD	= 1296	Square Inches
	= 0.8361	Square Meters
1 SQUARE METER	= 1550	Square Inches
	= 10.764	Square Feet
1 ACRE	= 43560	Square Feet
	= 4047	Square Meters
	= 0.4047	Hectare
1 HECTARE	= 107639	Square Feet
	= 10000	Square Meters
	= 2.47105	Acres
1 SQUARE MILE	= 640	Acres
	= 259	Hectares

VOLUME

1 GALLON (US)	= 0.8327	Imperial Gallons
	= 231	Cubic Inches
	= 0.1337	Cubic Feet
	= 8.345	Pounds
1 CUBIC FOOT	= 1728	Cubic Inches
	= 7.48	Gallons (US)
	= 62.4	Pounds
	= 28.32	Liters
1 ACRE INCH	= 27154	Gallons (US)
	= 254	Cubic Meters / Hectare
AREA OF A CIRCLE	= Diameter x Diameter x 0.7854	
CYLINDER VOLUME (US GAL.)	= Diameter (ft) x Diameter (ft) x Length (ft) x 5.8752	