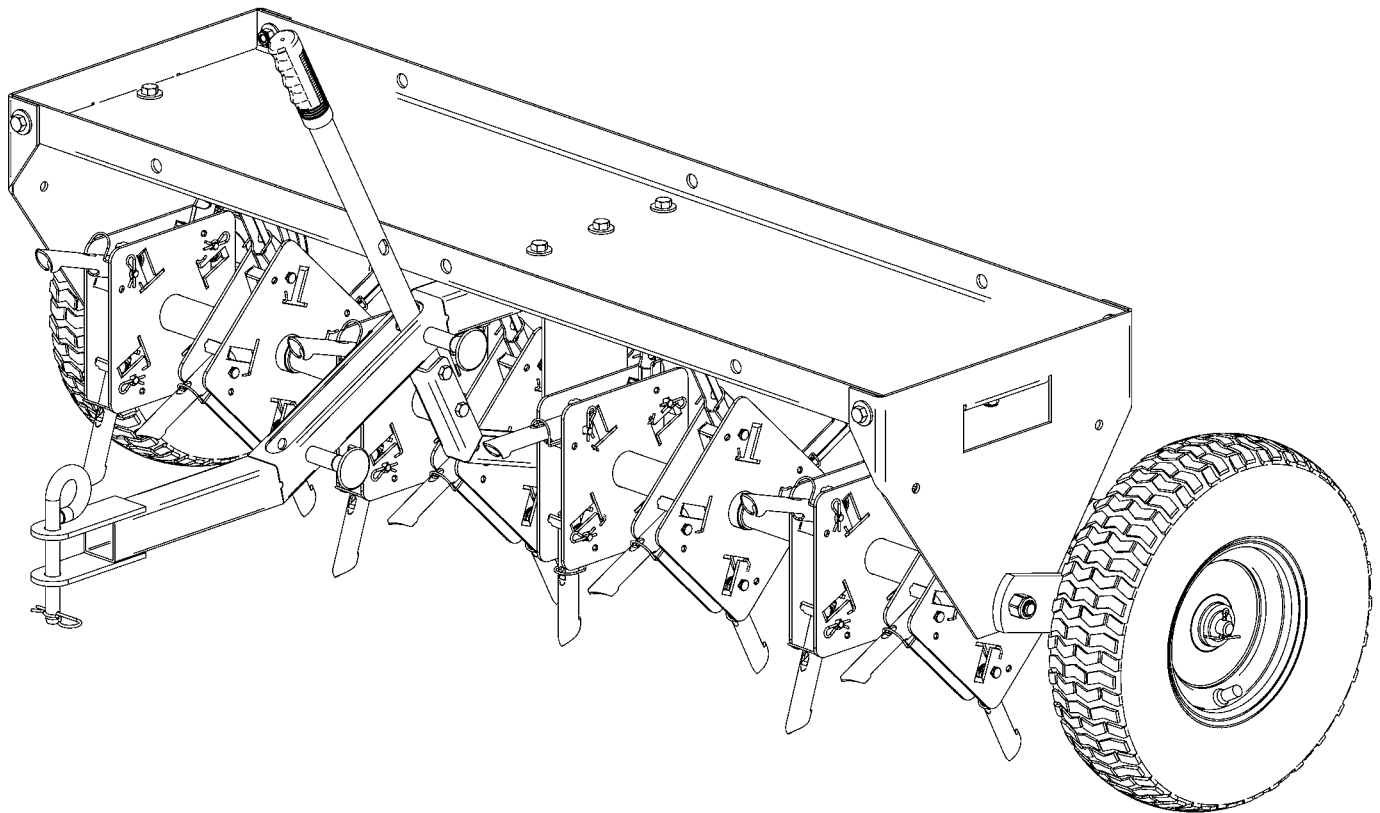


OHIOSTEEL[®]



42CP

42" CORE PLUG AERATOR



**READ AND FOLLOW ALL SAFETY RULES AND OPERATING
INSTRUCTIONS BEFORE USING THIS EQUIPMENT**

Safety Rules



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

Read and understand all safety rules and operating instructions before using this tractor attachment.

Follow all safety rules and operating instructions provided by your tractor's manufacturer when using attachment. Do not exceed towing and braking capacity of vehicle. Keep tractor in gear at all times to maintain control.

Never allow children, pets, or untrained persons to operate tractor or attachment.

Never allow children, pets, or untrained persons to remain in operational proximity to tractor or attachment. Maintain and operate only in a clear path free of obstacles.

Reduce tractor speed to slowest setting when towing or operating on slopes.

Operate up and down slopes, never across the face of slopes.

Do not operate attachment on or near steep slopes

Do not carry passengers on tractor or attachment.

Do not make sudden turns or maneuvers. Do not allow tractor wheels to come in contact with attachment.

Do not tow attachment on public roadways.

Do not remove warning decals from product.

Check product for worn, loose, or damaged parts and fasteners before each use. If any damage is present, repair the product before using. Tighten or replace fasteners as needed before using.

Do not exceed tractor speed of 6 miles per hour when towing Lawn Aerator.

Do not exceed tractor speed of 3 miles per hour when operating Lawn Aerator. Reduce speed on rough terrain to prevent tipping and loss of control.

Always begin towing at slowest speed and gradually increase speed if conditions allow.

Lawn Aerator has sharp points; wear protective gloves; always handle with care and wear proper footwear when operating.

Allow additional stopping distance as weight is added to attachment.

Use tractor and attachment for intended purposes only.

Do not modify attachment. Unauthorized modification may impair its function and safety. Modification may void warranty.

Warranty

IF YOU ARE MISSING PARTS DO NOT RETURN TO STORE

Email cs@ohiosteel.com or call 1-800-652-2321, ext. 212

Attach Receipt Here:

Before you call, please email our customer service team at cs@ohiosteel.com with the following:

1. A description of the issue you are experiencing
2. Photos of the issue that include an overall view and detailed view from multiple angles
3. If applicable, a short video showing the issue

Replacement Parts:

You can place your parts order online at ohiosteel.com/partsstore

- You can also reach our Customer Service Department at 1-800-652-2321, ext. 212
- If you are ordering replacement part(s) for your product, please note that some parts are only available as a repair kit.

If this product fails due to a defect in material or workmanship within THREE YEARS from the date of purchase, we will at our option, only with receipt of purchase, repair or replace it free of charge. This warranty excludes tires, wheels, springs, and tines, which are expendable and become worn during normal use.

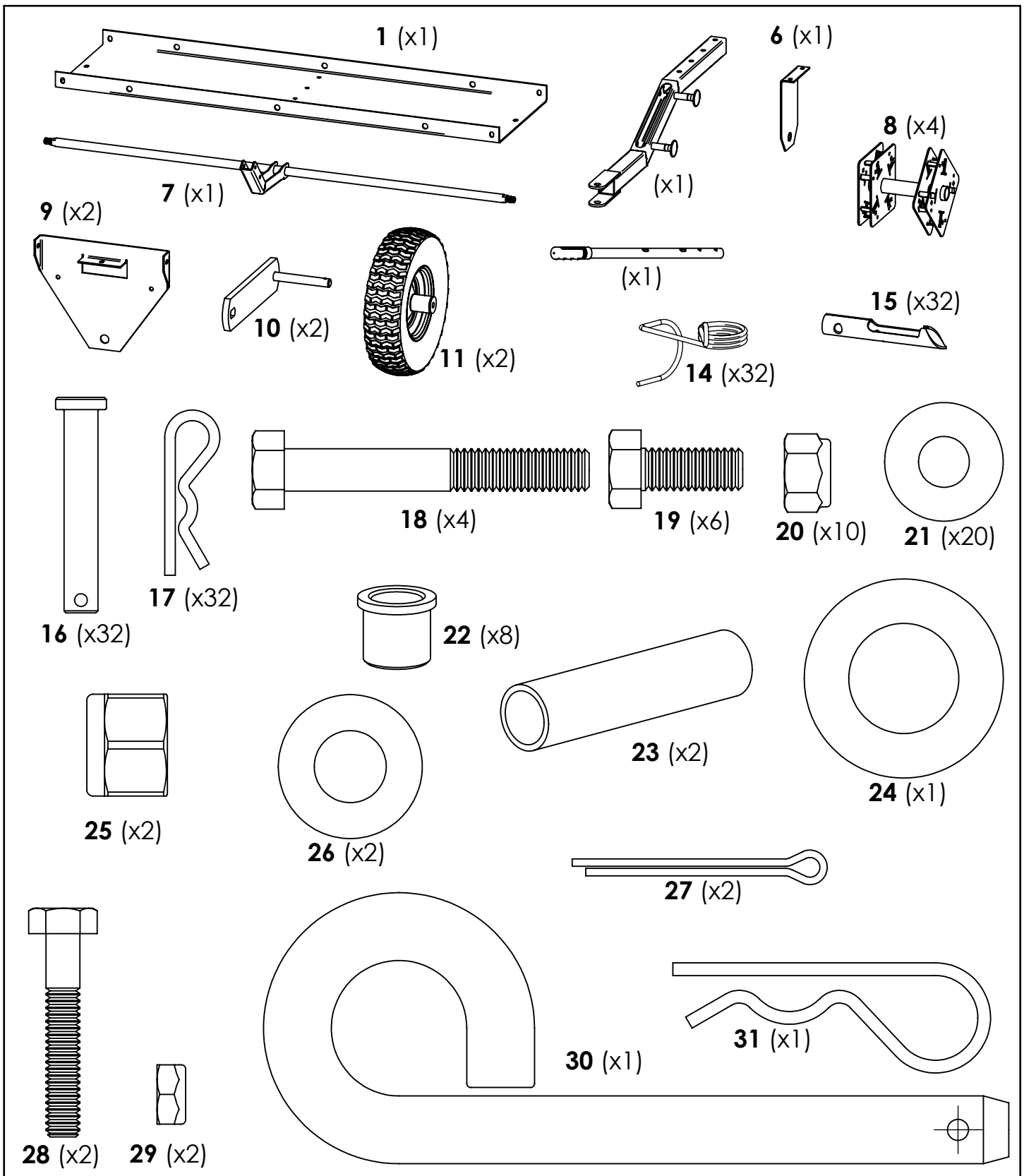
This warranty does not cover:

- Repairs necessary because of operator abuse or negligence.
- Equipment used for commercial or rental purposes.
- Paint that is worn or faded due to normal use or exposure.

To arrange for product repair visit ohiosteel.com/customer-support and fill out the warranty repair form. You can also call 1-800-652-2321, ext. 212 to speak to our Customer Service Team

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. This warranty applies only while this product is in use in the United States.

Carton Contents



TOOLS REQUIRED FOR ASSEMBLY:

- 1/2" Wrench and Socket
- 7/16" Wrench and Socket
- 3/4" Wrench or Socket
- Needle-Nose Pliers

BONUS PARTS INCLUDED

- (X8) 3000811-ZC Item 16
- (X8) 3000812-ZC Item 17
- (X8) 406511-B2 Item 15
- (X8) 6000282 Item 14

Assembly Instructions

1

Lean Top Plate (1) as shown and pre-install Washers (21) and Hex Bolts (18) (Figure A). Next lay Top Plate as shown on flat surface or table with Hex Bolt (21) pointing up (Figure B).

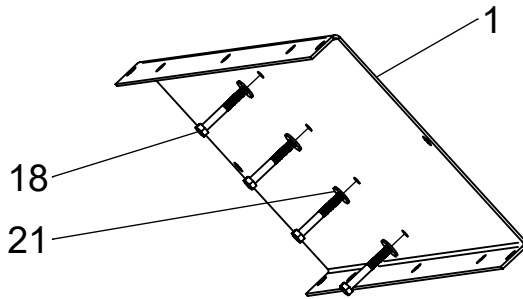


Figure A

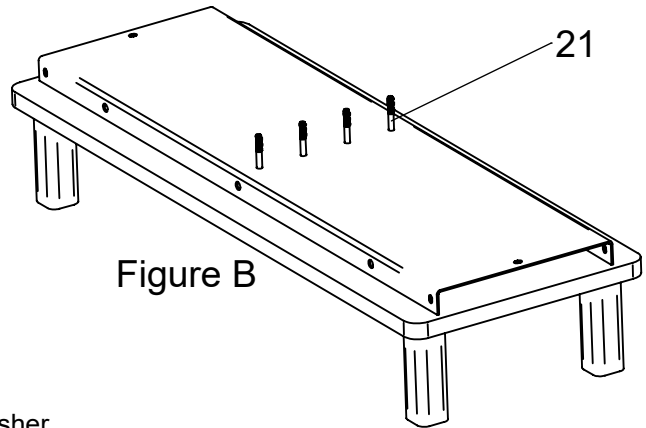
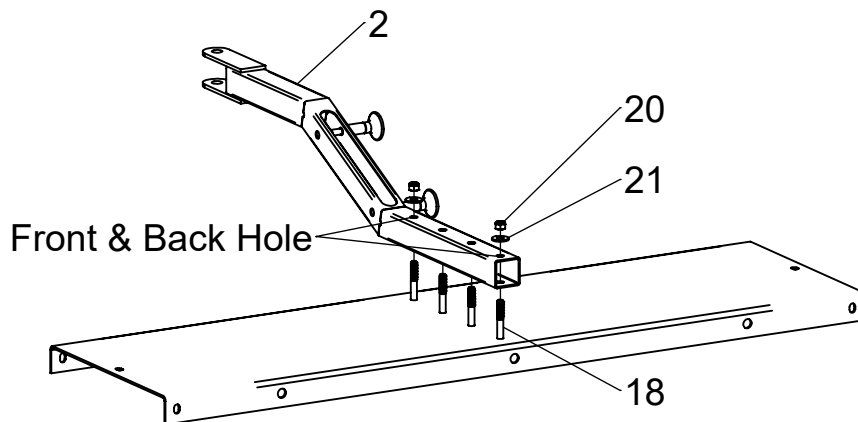


Figure B

Hardware: (4x) 5/16"-18 x 2-1/4" Hex Bolt, (4x) 5/16" USS Washer

2

Place Hitch Assembly (2) over bolts (18) and install Washers (21) and Hex Nuts (20) as shown in the Front and Back holes.

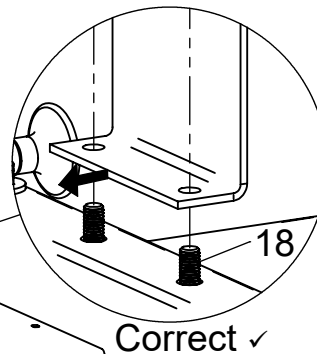
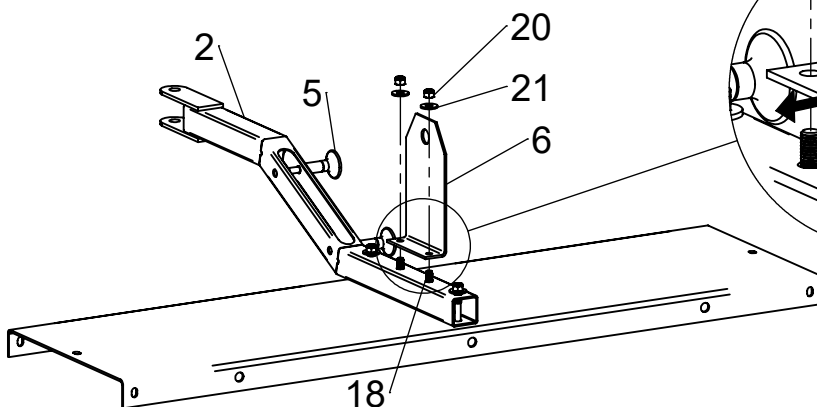


Hardware: (2x) 5/16"-18 Nyloc Hex Nut, (2x) 5/16" USS Washer

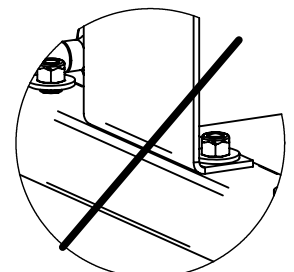
Suggested Tools: 1/2" Wrench and 1/2" Socket

3

Attach Center Plate (6) over middle Hex Bolts (18) with Washers (21) and Hex nuts (20). Orient flange of Center Plate (6) away from knobs (5) on Drawbar. Tighten all hardware at this time.



Correct ✓



Wrong X

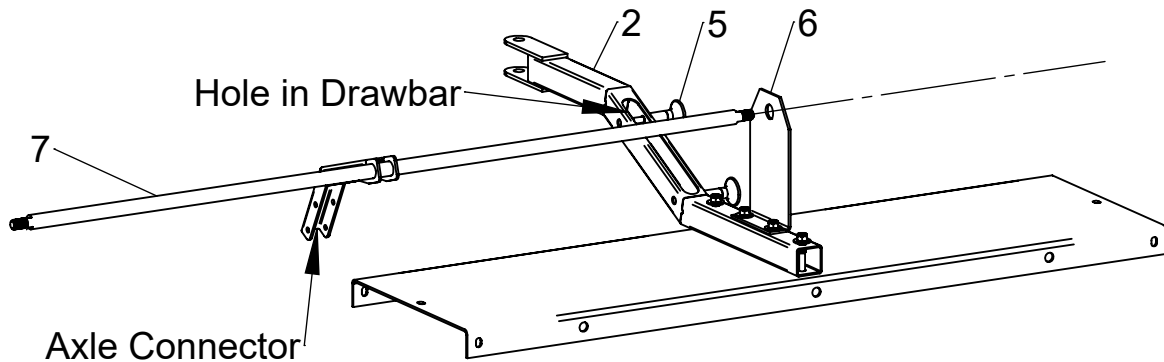
Hardware: (2x) 5/16"-18 Nyloc Hex Nut, (2x) 5/16" USS Washer

Suggested Tools: 1/2" Wrench and 1/2" Socket

Assembly Instructions

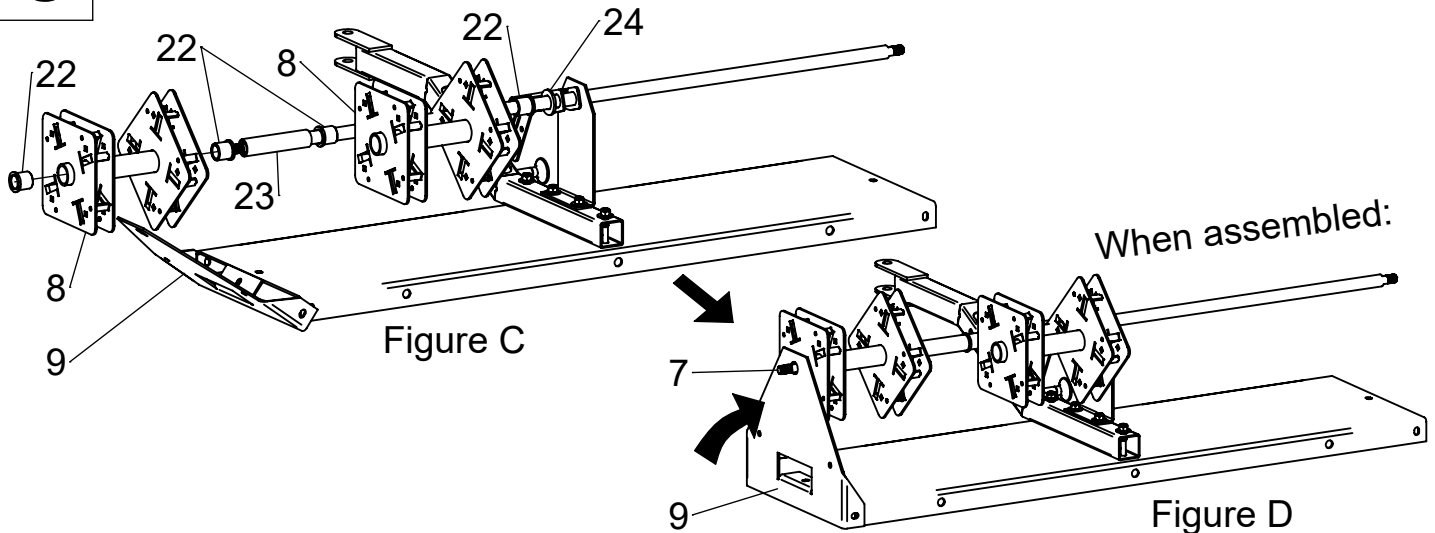
4

Slide Axle (7) through Center Support (6) from side opposite knobs (5) on Drawbar (2). Note that Axle Connector welded to axle (7) must be centered with hole in Drawbar Tube (2) for alignment with Adjustment Handle in later step.



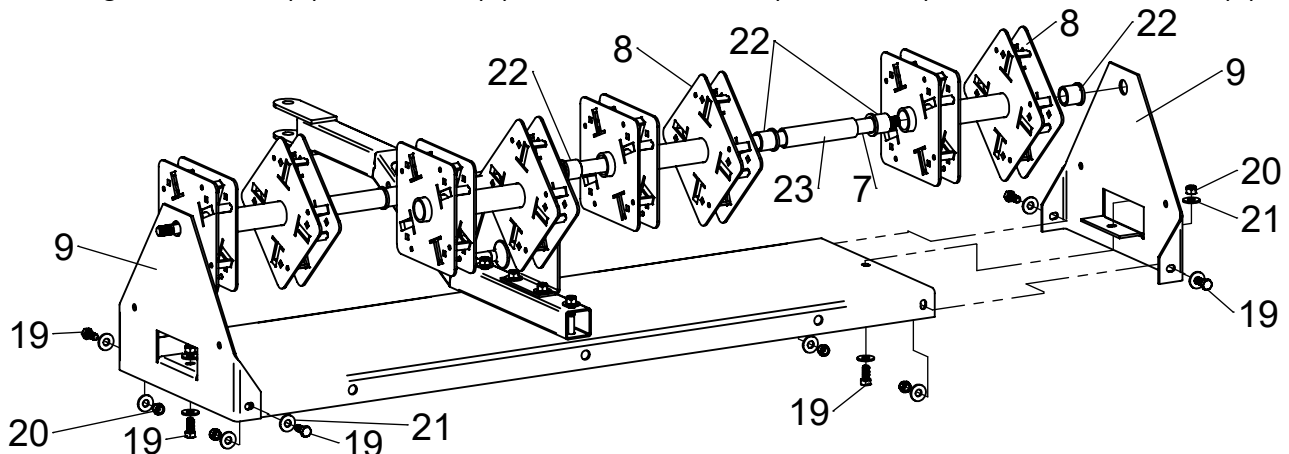
5

Slide Washer (24), Bushings (22), Spools (8), and Spacer (23) onto Axle (7) as shown (Figure C). Then push Side Plate (9) over Axle (7) to hold in place (Figure D).



6

Slide remaining Bushings (22), Spools (8), and Spacer (23) onto empty Axle (7). Then push remaining Side Plate (9) over Axle (7). Install Hardware (19, 20, 21) on both Side Plates (9).



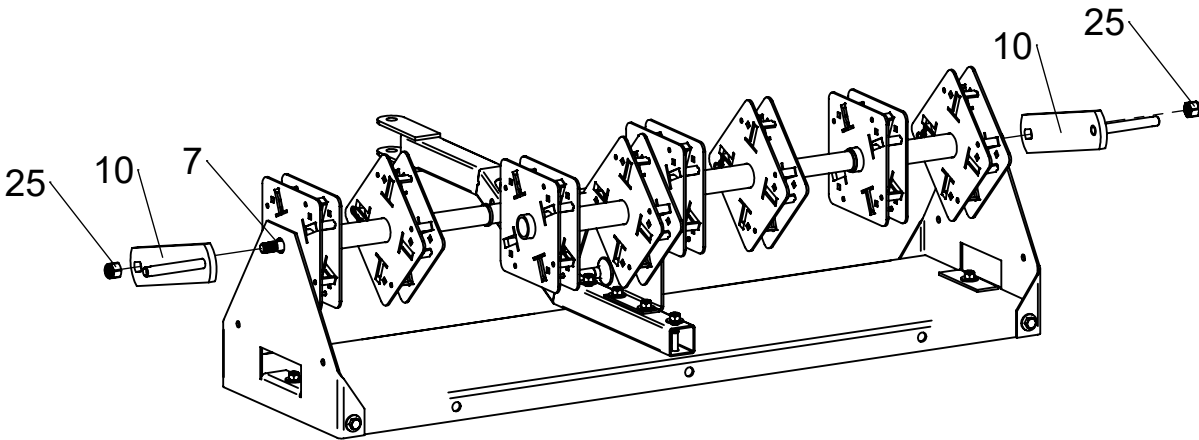
Hardware: (6x) 5/16"-18 x 3/4" Hex Bolt, (12x) 5/16" USS Washer, (6x) 5/16"-18 Nyloc Hex Nut

Suggested Tools: 1/2" Wrench and 1/2" Socket

Assembly Instructions

7

Slide Wheel Brackets (10) onto Axle (7) aligning flat spot on bracket with flat spot on Axle (7). Install and then tighten Hexnuts (25) at this time.

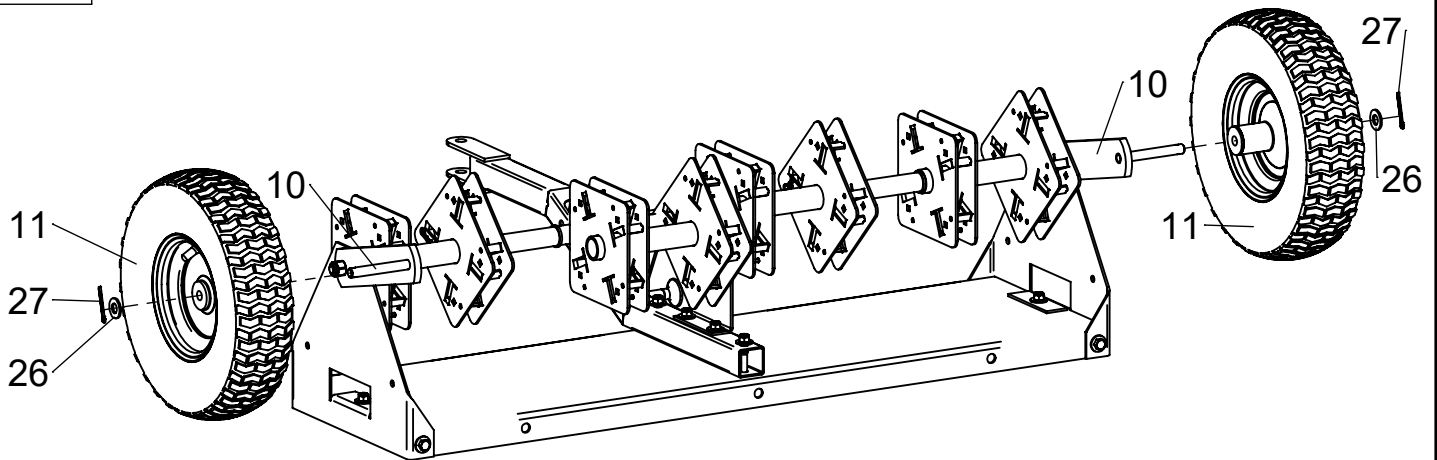


Hardware: (2x) 1/2"-20 Nyloc Hex Nut

Suggested Tools: 3/4" Wrench or 3/4" Socket

8

Slide Wheel (11) and Washer (26) onto each Wheel Bracket (10) and secure with Cotter Pin (27). Bend legs of Cotter Pin (27) to secure.

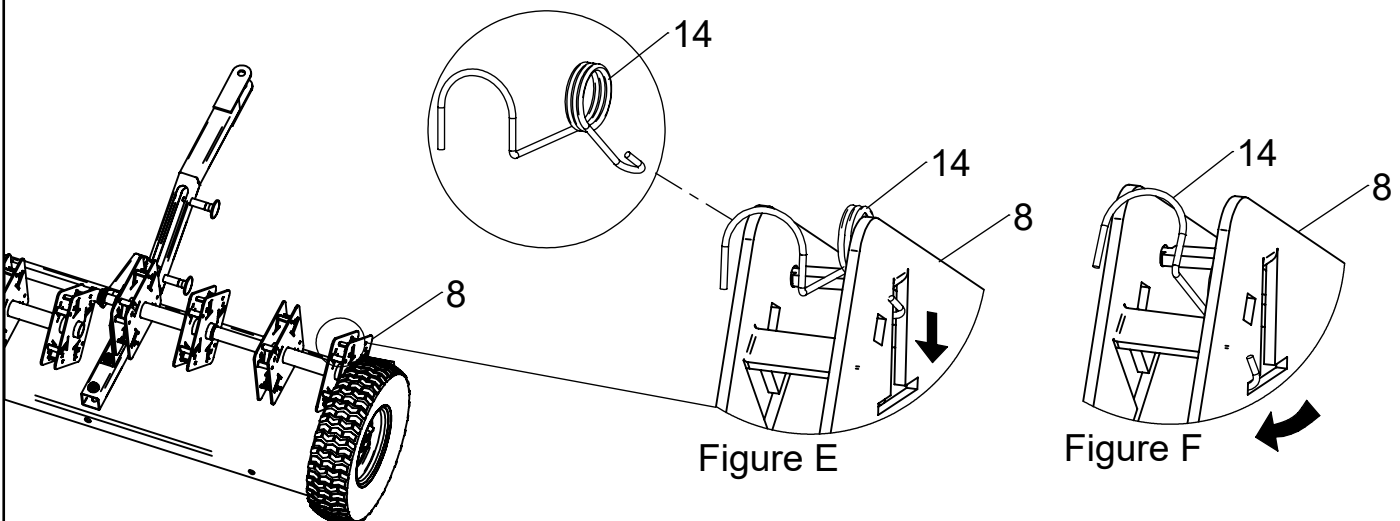


Hardware: (2x) 1/2" SAE Washer, (2x) 1/8" x 1-1/2" Cotter Pin

Suggested tool: Needle nose pliers

9

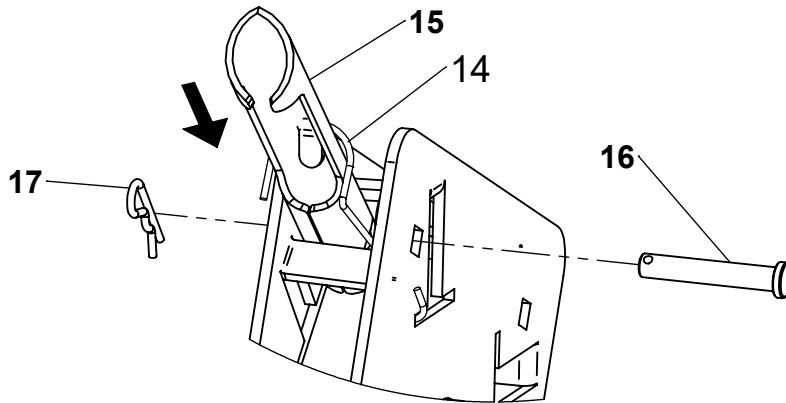
Hook the Tine Spring (14) into the cutout as shown (Figure E). Push the Tine Spring (14) towards the center of the Spool (8) and twist until it locks into the slot (Figure F).



Assembly Instructions

10

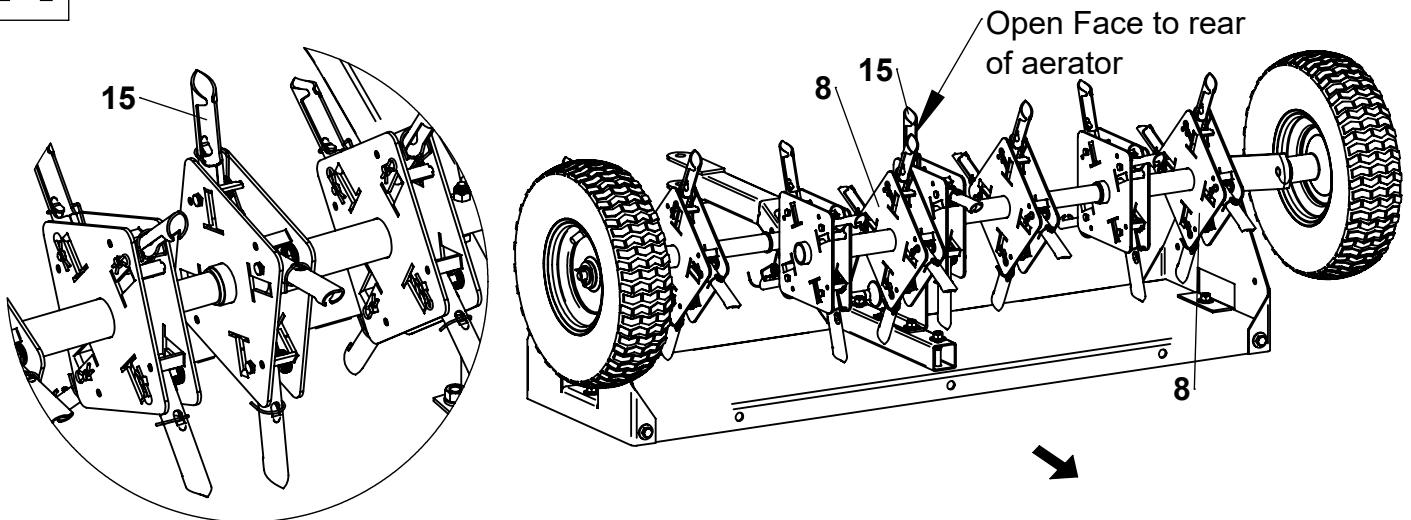
Slide the Tine (15) into the Tine Spring (14). Secure with pin (16) and Hairpin Cotter (17) as shown.



Hardware: (1x) 1/4" x 1-1/2" Clevis Pin, (1x) 5/64" x 1-3/16" Hairpin Cotter

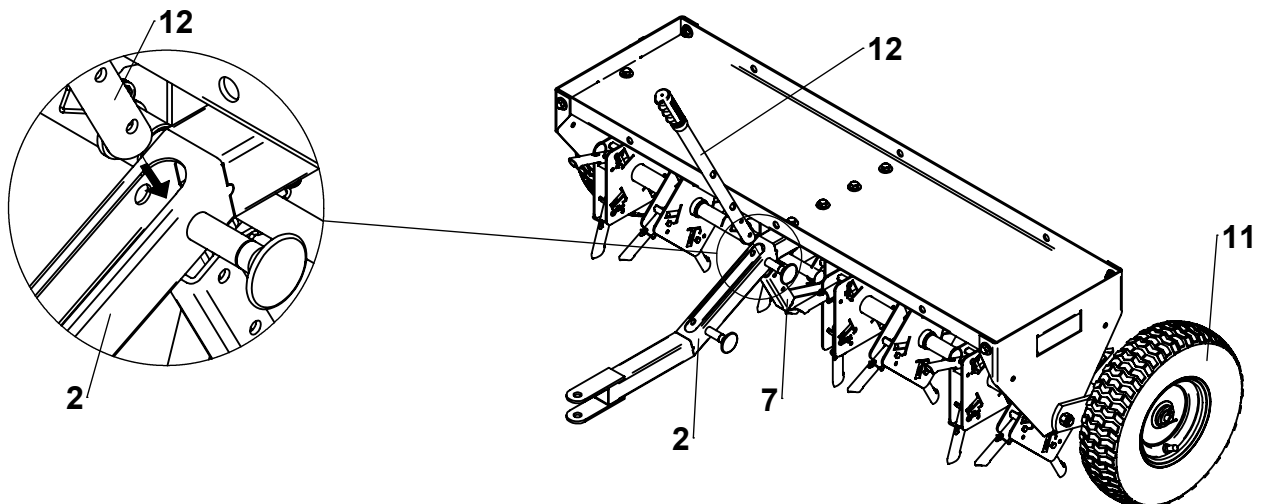
11

Rotate each Spool (8) and repeat install process from step 10 for remaining tines. Verify that all 32 Tines (15) open faces are pointed in the same direction as shown.



12

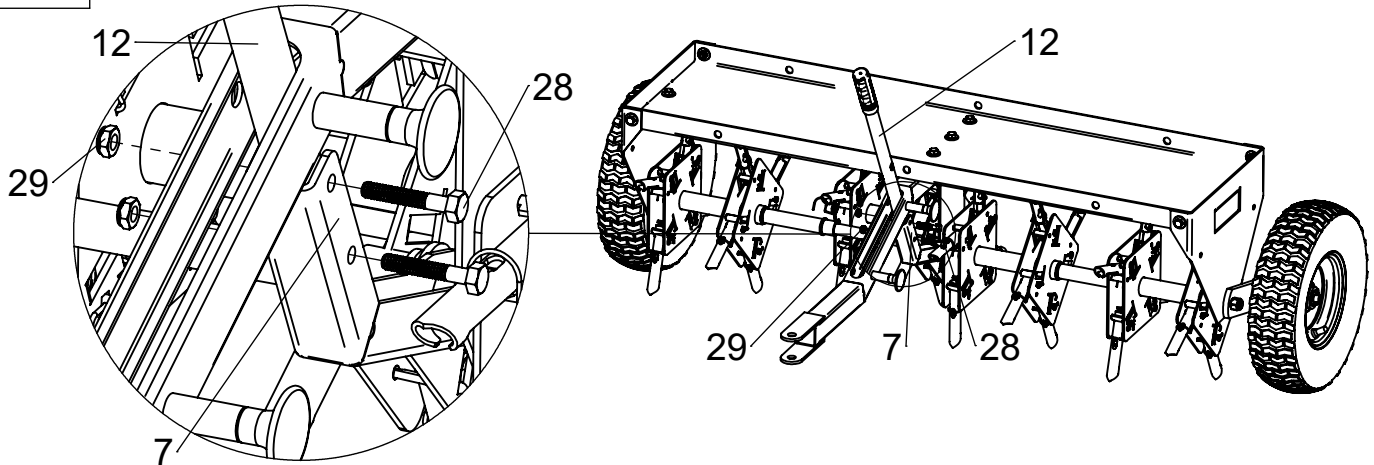
Flip Aerator onto wheels (11), Slide Handle (12) through slot in Drawbar (2) and align holes in Handle (12) with holes in bracket on Axle (7).



Assembly Instructions

13

Insert Hex Bolts (28) through bracket on Axle (7) and Handle (12). Secure with Hex Nuts (29). Lock Adjustment Handle in place with Spring Loaded Pin (3).

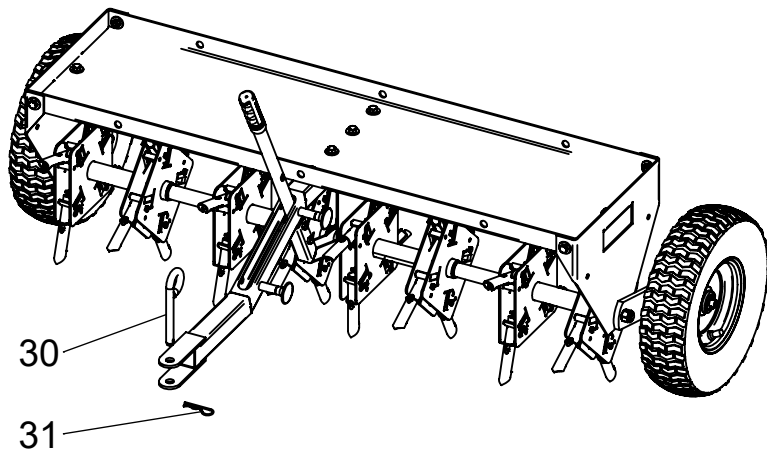


Hardware: (2x) 1/4"-20 x 1-1/2" Hex Bolt, (2x) 1/4"20 x 1-3/16" Hexnut

Suggested Tools: 7/16" Wrench and Socket

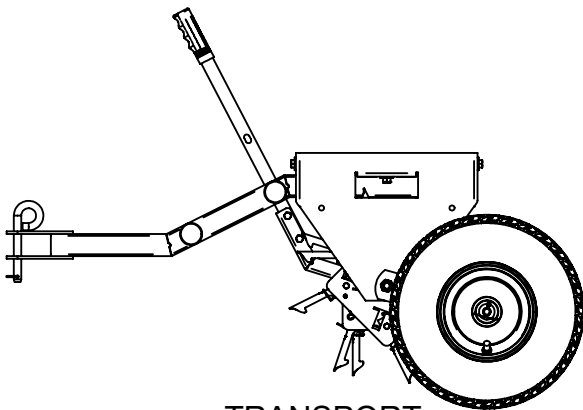
14

Install Hitch Pin (30) and secure with Cotter Pin (31).

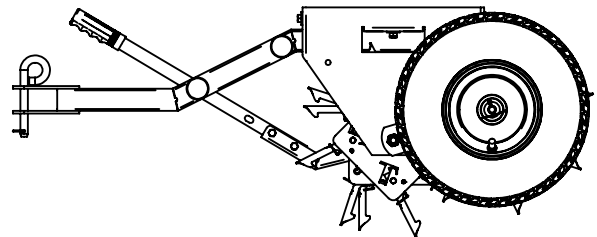


Hardware: (1x) Hitchpin 1/2" x 3", (1x) 3/32" x2-5/16" Hairpin Cotter

MODES:



TRANSPORT



ENGAGED

Operating Instructions

Before Using Lawn Aerator:

1. Apply grease to all Axles and inside wheels at least annually.
2. Check tire pressure. If needed, inflate to displayed PSI on sidewall.
3. Read all Safety Rules found on page 1.

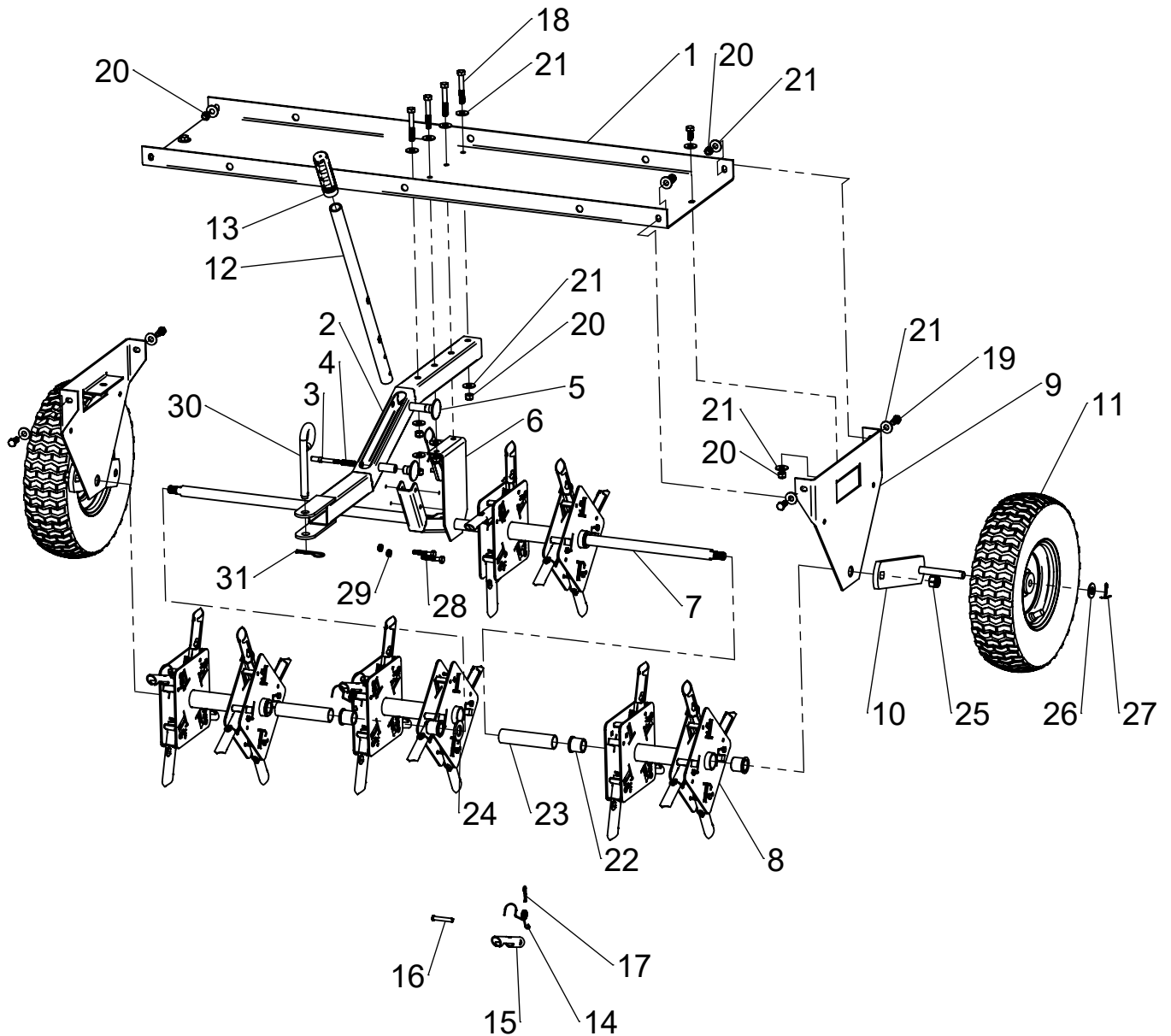
How to Aerate Lawn:

1. Mow lawn and remove loose clippings.
2. If ground is extremely hard or dry, it should be watered for one to two hours before aerating.
3. Do not aerate if ground is too wet or muddy.
4. Attach lawn aerator to tractor using supplied Hitch Pin.
5. Pull back on Adjustment Handle and engage Spring Loaded Pin into Transport mode. Tines should not be contacting the ground.
6. Start tractor engine and tow lawn aerator to lawn.
7. Pull back on Adjustment Handle slightly and pull Spring Loaded Pin back to allow handle to slide towards Engaged mode. Slowly push handle towards tractor until tines have contacted the lawn. Then lock handle into front Spring Loaded Pin.
8. Engage tractor drive at its slowest speed and begin aerating. Increase tractor speed as desired.
9. Aerate in straight lines whenever possible and avoid sharp turns.
10. Optimal aeration will yield soil plugs roughly 2-3 inches in length. Add weight and/or reduce tractor speed as necessary to improve aeration.
11. Three standard concrete blocks (120 lbs), or other weights up to 120 lbs, can be added to the top plate to increase aeration depth. Always secure weights to top plate using straps (not provided).

Periodic Maintenance:

- Inspect and tighten fasteners as needed before each use
- Check tire pressure before each use
- Grease wheels and axles annually

Exploded View



ITEM	PART NO	DESCRIPTION	QTY	ITEM	PART NO	DESCRIPTION	QTY
1	6005855-G2	PLATE, TOP (GRAY)	1	17	KIT 6004181	COTTER HAIRPIN, 5/64" X 1-3/16	32
2	KIT 6005860-B2	DRAWBAR, WELDED, 42CP	1	18	KIT 6005815	HEX BOLT, 5/16-18 X 2-1/4" (ZINC)	4
3		PIN, PLUNGER	2	19		HEX BOLT, 5/16-18 X 3/4" (ZINC)	6
4		SPRING, PLUNGER	2	20		HEX NUT, 5/16-18 NYLOC (ZINC)	10
5		KNOB, PLUNGER	2	21	KIT 6005816	WASHER, 5/16" USS (ZINC)	20
6	6005829-B2	PLATE, CENTER (BLACK)	1	22		BUSHING, SPOOL	8
7	6005839-B2	WELDMENT, AXLE, 42CP (BLACK)	1	23		SPACER, 3/4" X 4.25"	2
8	506081-B2	SPOOL, CORE PLUG (BLACK)	4	24		WASHER, 3/4" SAE (ZINC)	1
9	6000632-G2	PLATE, SIDE (GRAY)	2	25		HEX NUT, 1/2"-20 NYLOCK (ZINC)	2
10	6005849-B2	WELDMENT, BRACKET, WHEEL (BLACK)	2	26		WASHER, 1/2" SAE (ZINC)	2
11	6002416	WHEEL, 4.00-6 X 1/2" (SILVER)	2	27		COTTER PIN, 1/8" X 1-1/2"	2
12	KIT 6005861-G2	HANDLE, BOLT ON (GRAY)	1	28		HEX BOLT, 1/4-20 X 1-1/2" (ZINC)	2
13		GRIP, ROUND, 7/8" X 3-3/4"	1	29		HEX NUT, 1/4-20 NYLOC (ZINC)	2
14	KIT 6004181	SPRING, TINE	32	30	KIT 6000770	PIN, HITCH, 1/2" X 3" (ZINC)	1
15		TINE, PLUGGER (BLACK)	32	31		COTTER HAIRPIN, 3/32" X 2-5/16" (ZINC)	1
16		PIN, CLEVIS, 1/4" X 1-1/2" (ZINC)	32				

OHIOSTEEL®



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MODEL # 42CP



Proudly designed and
tested in Columbus, Ohio

Manufactured in the U.S.A from
domestic and imported components

