

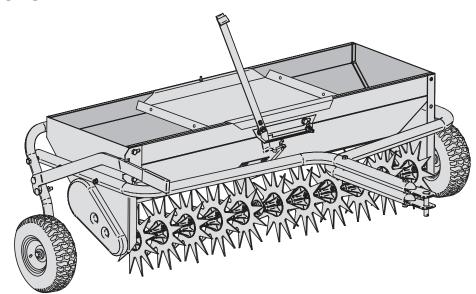
OWNER'S MANUAL

AERATOR SPREADER

MODEL:

AS2-40BH1-P

- Assembly
- Installation
- Operation
- Repair Parts





For use with Lawn/Garden Tractors

Call Customer Service, Toll-Free: 877-728-8224

Visit us on the web! www.brinly.com

Important: This manual contains information for the safety of persons and property. Read it carefully before assembly and operation of the equipment!

English Manual 1018948-C

INTRODUCTION AND SAFETY

CONGRATULATIONS on your new Brinly-Hardy Lawn Aerator! This accessory has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please do not hesitate to contact our knowledgeable customer service department toll-free at 1-877-728-8224. We have competent, well trained technicians to help you with the assembly and use of your Aerator.



CUSTOMER RESPONSIBILITIES

- Please read & retain this manual. The instructions will enable to assemble and maintain your product properly.
- Please carefully read and observe the SAFETY SECTION of this manual.
- Follow a regular schedule in maintaining and caring for your Brinly-Hardy product.

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SPECIFICATIONS

| Recommended Towing Speed 3 mph (or less) |
|---|
| Maximum Towing Speed 5 mph |
| Aeration Depth Up to 2" |
| Total Hopper + Weight Tray Capacity 150 lbs |
| Hopper Capacity |
| Maximum Weight Tray Capacity |
| Tire: Size 10" v //" |

TOOLS REQUIRED FOR ASSEMBLY:



- 1/2" Wrench (x2)
- 3/4" Wrench (x2) or 10" Adjustable Wrench (x2)
- Hammer
- Gloves

SAFE OPERATION



This symbol will help to point out important safety precautions throughout this manual. It means: ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.

- Know controls and how to stop quickly, READ THE OWNER'S MANUAL.
- Do not allow children to operate the vehicle, do not allow adults to operate without proper instruction or without having read the owner's manual.
- Do not carry passengers. Keep children & pets a safe distance away.
- Always wear substantial footwear. Do not wear loose fitting clothing that can get caught in moving parts.
- Keep your eyes and mind on your tractor/attachment and area being covered. Do not let other interests distract you.

SAFETY AND REFERENCE

- Stay alert for holes in the terrain and other hidden hazards.
- · Do not drive close to creeks, ditches and public highways.
- · Watch out for traffic when crossing or near roadways.
- When using any attachment, don't allow anyone near the vehicle while in operation.
- Keep the vehicle and attachment in good operating condition and keep safety devices in place.
- Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
- The vehicle and attachment should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
- See tractor equipment owner's manual for safe operation of the equipment.

CAUTION

- To avoid damage to Tines, always engage transport wheels to raise the Tines when crossing concrete or asphalt walks, drives, or roads.
- Use the Aerator-Spreader only on an established lawn, never on newly laid sod.
- To avoid personal injury and/or equipment damage never exceed the recommended operating speed range of 3 to 5 MPH.
- Tines have sharp points. Wear gloves and handle with care.
- Only tow your Aerator-Spreader behind vehicles for which it was designed, riders and lawn/garden tractors.
- Do not stand/ride on Aerator-Spreader, bodily injury could result.
- Never exceed the Hopper weight capacity of 100 pounds.
- Do not attempt to disconnect Aerator from tractor with weight in Hopper.
- When backing-carefully back straight to avoid jack-knifing which could result in damage to equipment.

REFERENCE

A note about nuts used in the assembly of your Aerator Spreader:

JAM NUTS AND HEX NUTS



JAM NUT



HEX NUT

Jam Nuts and Hex Nuts spin freely on the bolt threads.

NOTE: Usually a lock washer is used to securely lock the nut in place.

LOCK NUTS AND NYLON LOCK NUTS



LOCK NUT



NYLON

LOCK NUT

Lock Nuts & Nylon Lock Nuts provide resistence after several turns on the bolt threads.

NOTE: A wrench is normally required during installation.

NOTES

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Installation Questions?
Missing Parts? Replacement Parts?

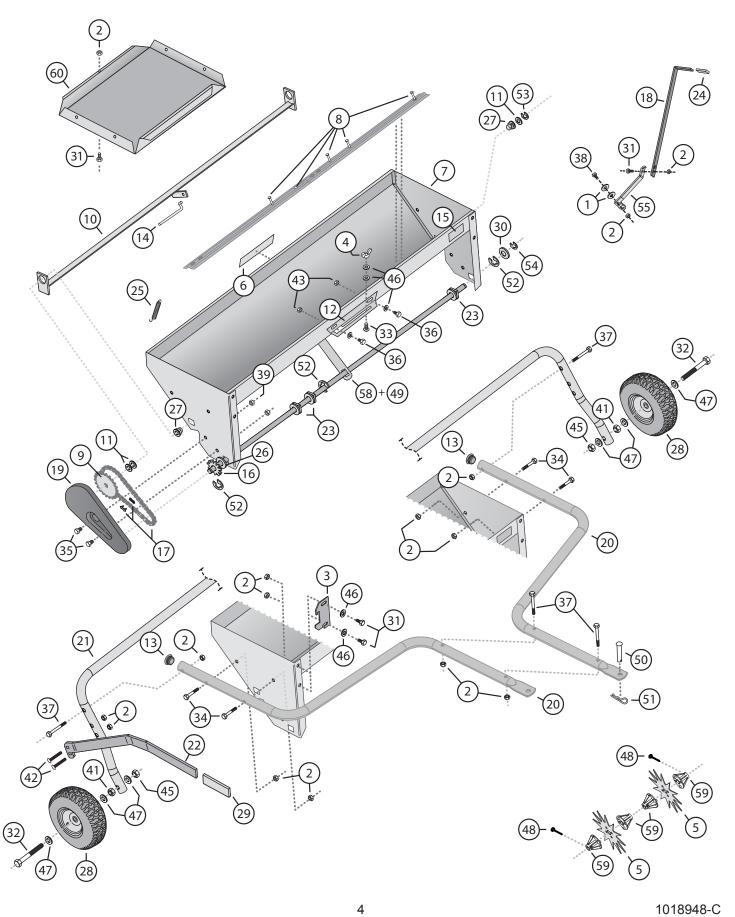
DON'T GO BACK TO THE STORE!

Please call our Customer Service Department, Toll Free: 877-728-8224 or customerservice@brinly.com



English Manual 3 1018948-C

PARTS



1018948-C

PARTS

AS2-40BH1-P

| Ref# | Part # | Description | Qty |
|------|------------|------------------------------|-----|
| 1 | R-774 | Washer; Flat, Large | 2 |
| 2 | B-1674P | Nut; Hex Lock, 5/16" | 1 |
| 4 | B-4030 | Nut; Wing, 1/4" | 1 |
| 5 | 1018833 | Aerator Tine | 11 |
| 6 | 1018854 | Brinly Logo Decal | 1 |
| 7 | 1019159-16 | Hopper Assembly | 1 |
| 8 | 1019249 | Agitator Kit (Hwd. Incl.) | 2 |
| 9 | 1019153-16 | Agitator Shaft Assembly | 1 |
| 10 | B-5726-16 | Shutter Assembly | 1 |
| 11 | B-4713 | Washer, 1/2" | 3 |
| 12 | B-4715Y | Calibration Plate | 1 |
| 14 | 1019154-01 | Shutter Link | 1 |
| 15 | R-1946 | Decal, Instruction w/ CE. | 1 |
| 16 | 1019147 | Tine Shaft Assembly | 1 |
| 17 | 1019144 | Drive Chain and Offset Link | 1 |
| 18 | 1019150-16 | Upper Lever | 1 |
| 19 | B-4726 | Chain Shield | 1 |
| 20 | B-6410-16 | Tow Bar | 2 |
| 21 | 1018838-16 | Wheel Support Assembly | 1 |
| 22 | B-6413-16 | Lift Handle | 1 |
| 23 | 1019145 | Bearing; Square (Large) | 3 |
| 25 | B-4747 | Tension Spring | 1 |
| 26 | B-4768 | Washer; (Thin) 5/8" | 3 |
| 27 | 1019148 | Bearing; Square (Small) 1/2" | 2 |
| 28 | 1018851 | Wheel | 2 |
| 30 | B-5456 | Washer; Thick 5/8" | 3 |
| 33 | 10M0808P | Bolt; Carriage, 1/4" x 1/2" | 1 |
| 35 | 2M0808P | Bolt; Hex, 1/4" x 1/2" | 2 |
| 36 | 2M1008P | Bolt; Hex, 5/16" x 1/2" | 2 |
| 38 | 2M1016P | Bolt; Hex, 5/16" x 1" | 1 |
| 39 | B-4785 | Nut; Lock, 1/4" | 2 |
| 43 | B-4786 | Nut; Lock, 5/16" | 2 |
| 46 | 45M1111P | Washer; Flat, 5/16" | 4 |
| 48 | 50M0524P | Cotter Pin, 5/32 x 1-1/2" | 2 |
| 49 | V-302P | Pop Rivet, 3/16" x 0.277 | 4 |

| Ref# | Part # | Description | Qty |
|------|------------|----------------|-----|
| 52 | B-4307 | "E" Ring; 1" | 3 |
| 53 | F-621 | "E" Ring; 1/2" | 1 |
| 54 | F-577 | "E" Ring; 5/8" | 1 |
| 55 | 1019149-16 | Lever; Lower | 1 |
| 58 | 1019307-16 | Center Strap | 1 |
| 59 | 1019589 | Bearing | 22 |
| 60 | 1018839-16 | Weight Tray | 1 |

HARDWARE BAG - Used during assembly:

| | 1019372 | SMALL BAG | 1 |
|----|---------|-------------------------|---|
| 2 | B-1674P | Nut; Hex Lock, 5/16" | 1 |
| 31 | 2M1012P | Bolt; Hex, 5/16" x 3/4" | 1 |

HARDWARE PACK - Used during assembly:

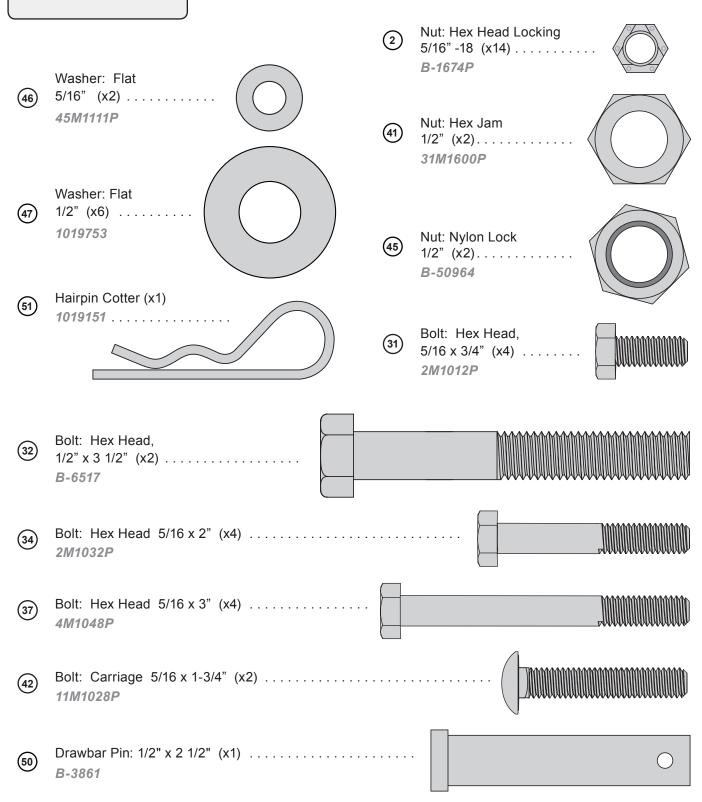
| | 1018842 | SKIN PACK | 1 |
|----|----------|-------------------------------|----|
| | | | |
| 2 | B-1674P | 5/16" Hex Lock Nut | 13 |
| 3 | B-6520 | Transport Lock | 1 |
| 13 | B-6484 | Cap, Tub | 2 |
| 24 | 1018845 | Vinyl Grip (1/8" x 3/4") | 1 |
| 29 | 1018844 | Handle Grip (5/16" x 1-1/4") | 1 |
| 31 | 2M1012P | Hex Bolt, 5/16" x 3/4" | 3 |
| 32 | B-6517 | Hex Bolt, 1/2" x 3-1/2" | 2 |
| 34 | 2M1032P | Hex Bolt, 5/16" x 2" | 4 |
| 37 | 4M1048P | Hex Bolt, 5/16" x 3" | 4 |
| 41 | 31M1600P | Hex Jam Nut, 1/2" | 2 |
| 42 | 11M1028P | Carriage Bolt, 5/16" x 1-3/4" | 2 |
| 45 | B-5096Y | Nut, Nylon Lock, 1/2" | 2 |
| 46 | 45M1111P | Flat Washer, 5/16" | 2 |
| 47 | 1019753 | Flat Washer, 1/2" | 6 |
| 50 | B-3861 | Drawbar Pin | 1 |
| 51 | 1019151 | Hairpin Cotter | 1 |

HARDWARE IDENTIFIER

Illustrations on this page are to scale for faster identification of hardware during assembly.

DO NOT RETURN PRODUCT IF YOU ARE MISSING PARTS.

Please Call: 1 (877) 728-8224



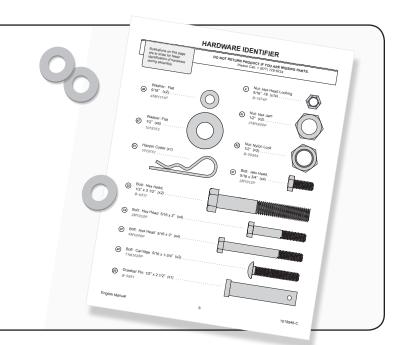
Assembly Tip Illustrations on page 6 are to-scale.

For faster identification of hardware during assembly, simply lay the hardware on top of the illustration.



Additional info and videos are available on our website: **brinly.com**

This QR code links directly to the Aerator Spreader product page.



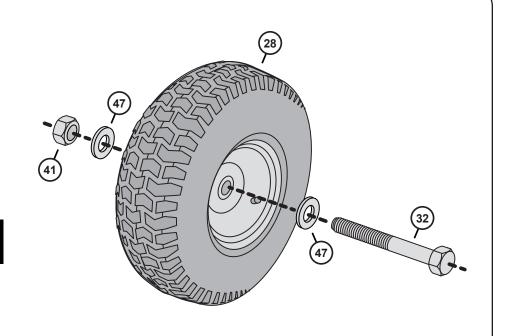
Assembly Step 1-A



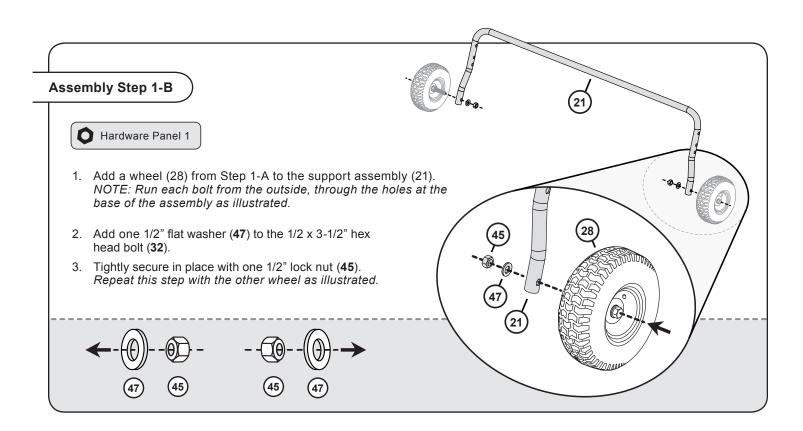
- 1. Add one 1/2" flat washer (47) to each of the 1/2" x 3-1/2" hex head bolts (32).
- 2. Run the bolts (32) through each of wheels (28), then add another 1/2" flat washer (47).

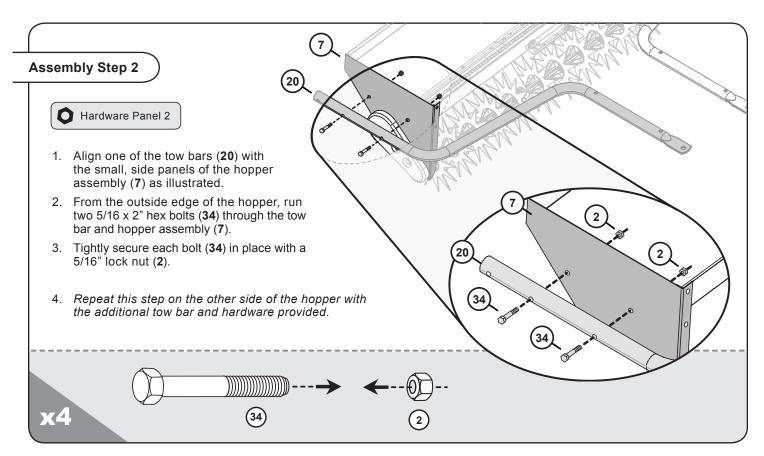
NOTE: THE WHEELS NEED TO TURN FREELY.

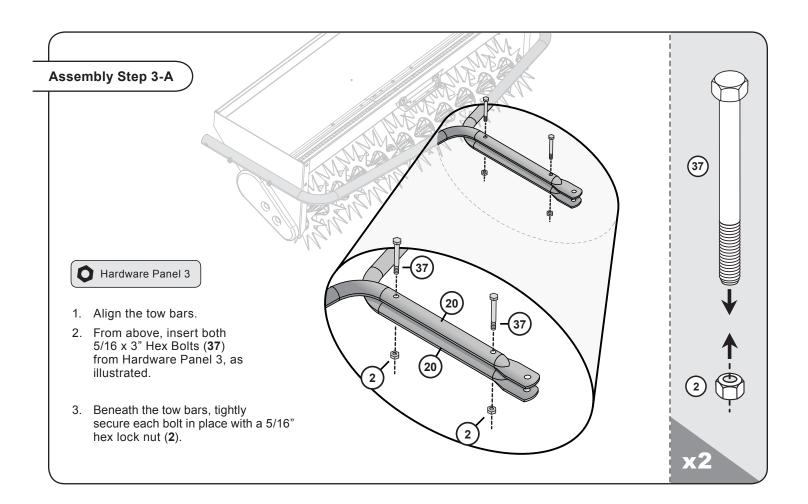
 Allowing movement in the tire, loosely add one 1/2" Hex Head Nut (41) to each bolt.

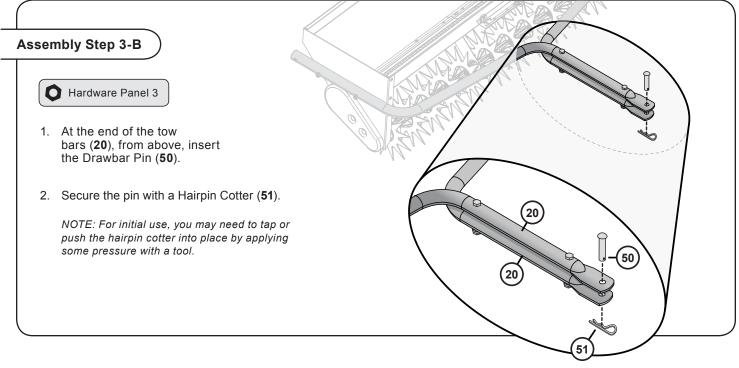


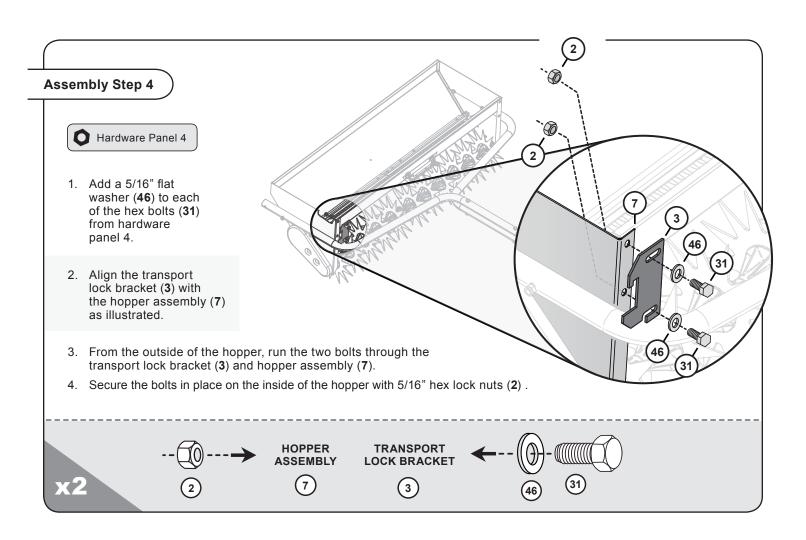


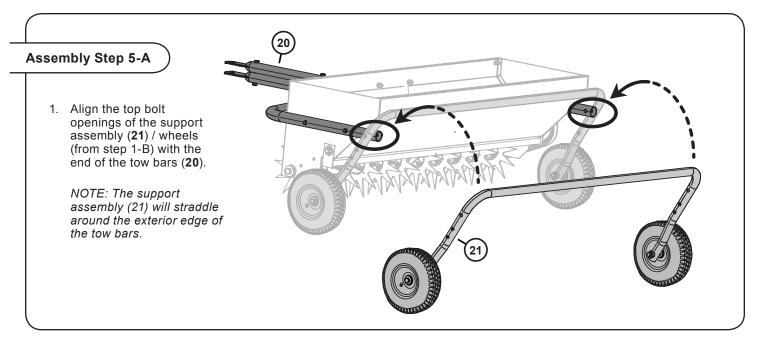


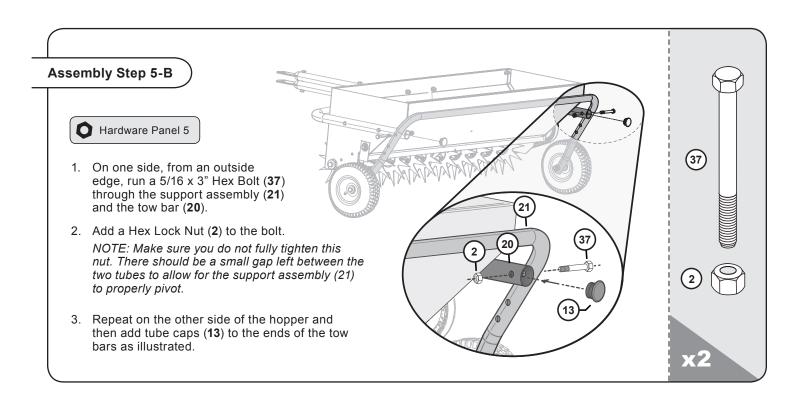




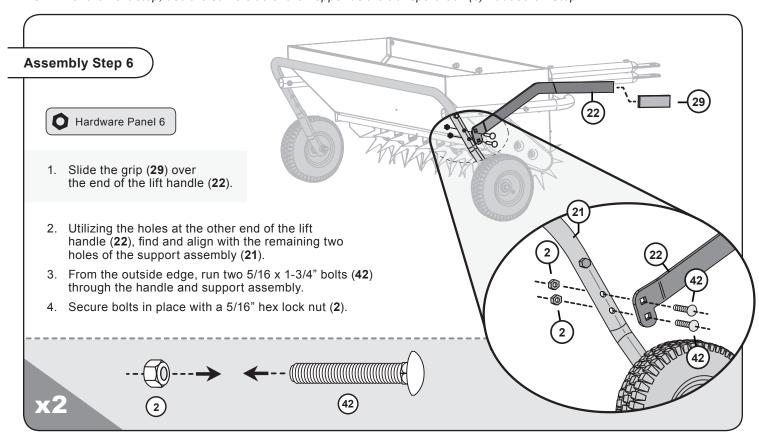


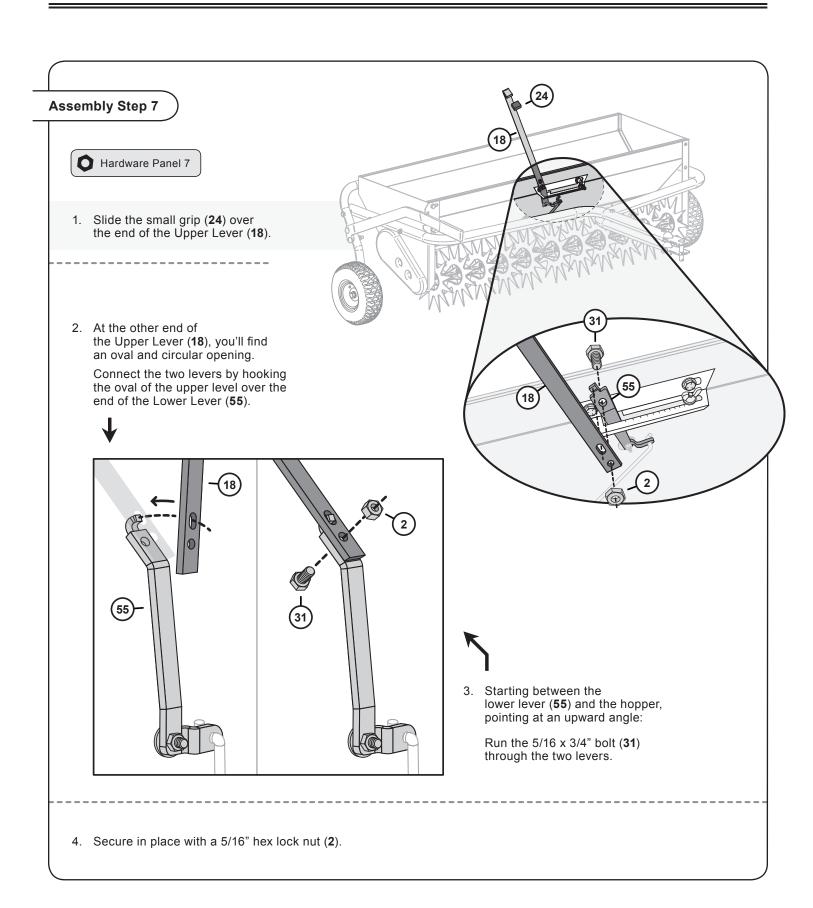


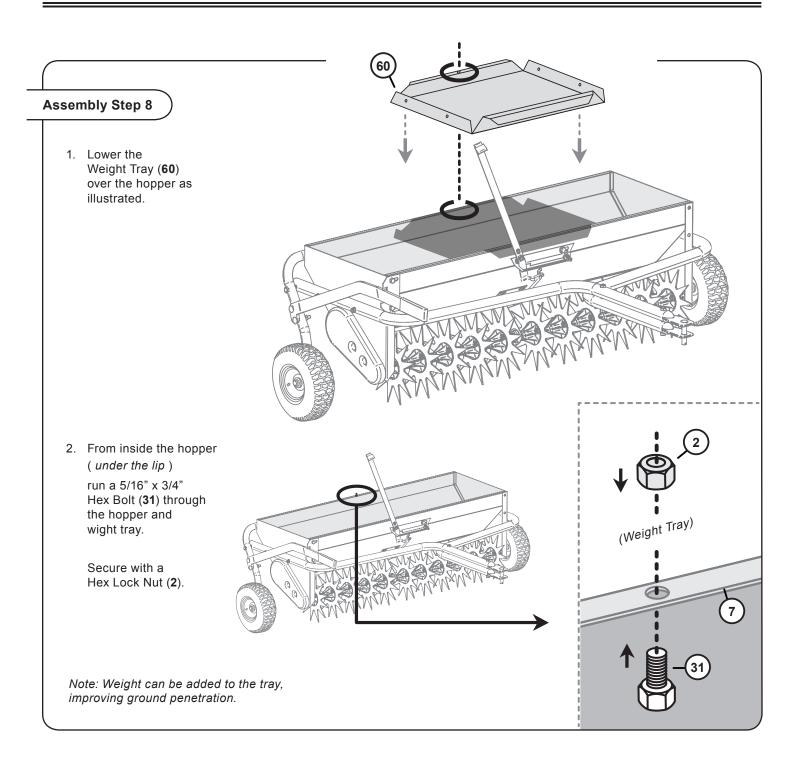




NOTE: For the next step, use the same side of the hopper as the transport lock (3) - added on Step 4.









OPERATION



- **CAUTION!** Avoid stopping unit with flow control in "OPEN" position- material will continue to flow through hopper opening. If fertilizer is deposited too heavily in a small area, soak down thoroughly with a garden hose to prevent burning of lawn.
- **IMPORTANT:** When backing up, carefully back STRAIGHT to avoid "jack-knifing", which can cause damage to your equipment.

WHEN TO USE

Your Aerator-Spreader should not be used when lawn conditions are too wet or too dry. This can be determined by digging a small amount of soil (about three inches deep) and checking it. If soil appears powdery and brittle - its too dry.

Wait until a later date, after a rainfall. If soil appears damp, roll it up in the palm of your hand - if it forms a ball that doesn't break up when it hits the ground, it is too wet. Wait until a later date for soil to dry some. Ideally, the soil should fall apart.

NOTE: If soil is too wet, the aerator tines will penetrate too deep and your tractor could lose traction, causing lawn damage. If soil is too dry, the aerator tines will not penetrate soil properly.

OPERATING TIPS

- Set the Flow Control to proper setting using the Nylon Wing Nut (see Alternative Flow Control Setting Chart on p.16) and move the Control Lever to closed ("0") position.
- Fill Hopper with material to be spread at operating site.
- CLUMPY MATERIAL Ensure the material is free of clumps for optimal use.

The recommended operating speed is slightly faster than a brisk walk- 3 to 5 MPH. Set the throttle/gear selector to obtain this speed. To obtain this speed Calibrate your tractor to 3 M.P.H. by:

OPERATING SPEED

3-5
MPH

- Measure a distance of 20 feet on flat, level surface. Adjust tractor throttle and select a gear to cover this distance in 4.5 seconds. To adjust for 4 m.p.h., cover same distance in 3.4 seconds.
- Drive tractor/mower forward as you open the flow control with the Control Lever.

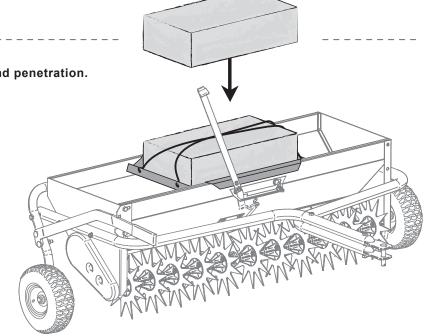
UTILIZING THE WEIGHT TRAY

Weight can be added to the tray, improving ground penetration.

Step 1. Carefully place the desired additional weight centered on the tray.

Note: Do not exceed 75 lbs

Step 2. Secure in place with bungee cords, utilizing the four openings on the edges of the weight tray.

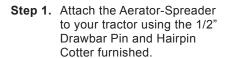


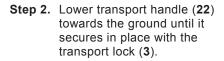
OPERATION

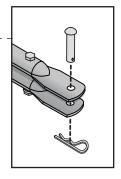


- **CAUTION!** Avoid stopping unit with flow control in "OPEN" position- material will continue to flow through hopper opening. If fertilizer is deposited too heavily in a small area, soak down thoroughly with a garden hose to prevent burning of lawn.
- **IMPORTANT:** When backing up, carefully back STRAIGHT to avoid "jack-knifing", which can cause damage to your equipment.

ATTACHING / TRANSPORT MODE



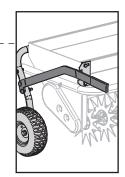


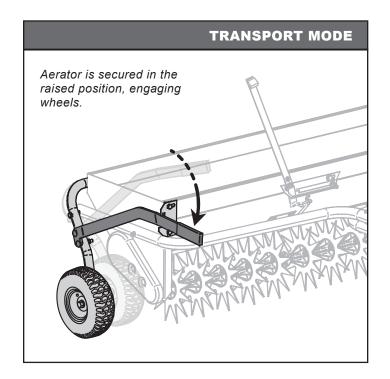


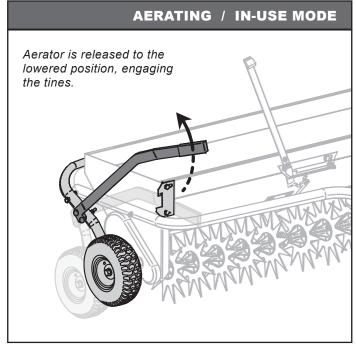
AERATING / IN-USE MODE

Step 1. Drive to the location that needs aeration with attachment UP, utilizing the wheels / in Transport Mode.

Step 2. Release the Transport Handle. Aerator is now in the lowered position, engaging spikes. *Illustrated below*.







OPERATION

FLOW CONTROL ADJUSTMENT

OPEN & CLOSE: The material flow is shut off by moving Control Lever to the left and locking into "V" notch on calibration plate.

FLOW SETTING: To set the flow rate, put the Control Lever in the shut-off position (in "V" notch). Determine your required number setting as described below. Loosen the nylon wing nut and slide to the desired number setting and retighten the wing nut. Release the control strap and it will open to the pre-set position.

DETERMINING FLOW CONTROL SETTING NUMBER:

NOTE: Fertilizer application rates as described are affected by humidity and the moisture content of the material; therefore, minor setting adjustments may be necessary to compensate for these conditions.

APPLICATION RATES

| Material Type | Average Usage Recommended | Flow Control Setting |
|-------------------------|------------------------------|----------------------------|
| Seeds: | | |
| Ky. Bluegrass | 1 lb / 1000 sq. ft. | 4 |
| Rye | 2 lb / 1000 sq. ft. | 7 |
| Tall Lawn & #31 Fescue. | 3 lb / 1000 sq. ft. | 12 |
| Fertilizer: | | |
| Lawn Food (33-3-10) | 3.2 lb / 1000 sq. ft. | 5-1/4 |
| Weed & Feed (33-3-5) | 3.2 lb / 1000 sq. ft. | 5-1/4 |

ALTERNATIVE FLOW CONTROL SETTINGS:

To determine the required setting for materials not listed on the Application Rate Chart, proceed as follows:

Determine the amount of material to be spread over a designated area. (Noted on the material bag).

Example: "The contents of this bag (25 lbs.) will cover 5000 square feet."

Determine the amount of material required to cover 100 square feet as follows:
Add two zeros to bag weight.

Example: 2500

Divide this number by the number of square feet on the bag. Example: 2500 divided by 5000 = 0.5 pounds of material for 100 square feet.

NOTE: To convert this weight to ounces, simply multiply by 16 (16 oz. / lb). Example: $0.5 \text{ lb.} \times 16 = 8 \text{ oz.}$

FLOW CONTROL SETTING

Determine approximate flow control setting by using the chart below showing type of material to spread.

Measure off a distance of 40 feet in your yard. This is the distance your 30" spreader must travel in order to cover 100 square feet. (2.5 ft. (30") x 40 ft. = 100 sq ft.) For 40" spreader measure off a distance of 30 feet in your yard, the distance to cover 100 square feet. (3.33 ft. (40") x 30 ft. = 100 sq ft.)

Set the spreader flow control at the approximate flow control setting.

Place 5 pounds of material in the Hopper. Weigh the material before and after spreading 100 square feet to determine amount of material used.

Move unit to measure area, lower aerator tines, open Flow Control Lever. Drive the 40 ft. course, stop unit and close Flow Control Lever.

Remove and weigh remaining material. Subtract this weight from 5 pounds to determine material used: If too much material is used: Set Flow Control ONE number LOWER and try again. If too little material is used: Set Flow Control ONE number HIGHER and try again.

After determining proper setting always record the type of material and the setting for future use.

ALTERNATIVE FLOW CONTROL SETTING CHART

| Mater | ial Coarseness | Appr Cover | | Approx. Flow Control Setting |
|------------|---|-------------------------------|-------------------|---------------------------------------|
| ER: | Very Coarse (Large, heavy pellets and grain) | 0.5 lb. 1.0 lb. 1.5 lb. | 100 100 100 | 9 12 15 |
| FERTILIZER | Medium Coarse (Pellets & granules) | 0.5 lb. 1.0 lb. 1.5 lb. | 100 100 100 | 7 10 13 |
| FEF | Light Material (Nitrogen, etc.) | 0.1 lb. 0.2 lb. 0.3 lb. | 100 100 100 | 3.5 4.5 5.5 |
| | Large (Ky. 31 Fescue, etc). | 0.3 lb. 0.5 lb. 0.7 lb. | 100 100 100 | 12 16 19 |
| SEEDS | Medium (Rye, etc.) | 0.2 lb. 0.4 lb. 0.6 lb. | 100 100 100 | 7 11 14 |
| U) | Fine (Blugrass, Lawn Fescue, etc.) | 0.1 lb. 0.2 lb. 0.3 lb. | 100 100 100 | 4 4.5 5 |

MAINTENANCE AND SERVICE

MAINTENANCE:

- Should rust appear on any other part of your Aerator-Spreader, sand lightly to remove rust and coat lightly with enamel.
- Apply a drop of lubricating oil to each nylon bearing (aerator tine shaft, agitator shaft, and wheels) before each use.
- Be sure to remove all unused fertilizers from hopper immediately after use and clean with water.
- To prevent rust in aerator tines, apply a light coat of oil on the working areas of tines after each use.
- After each use, service unit as described and store in a dry area, shielding tines to avoid injury.

ONLINE



Additional info and videos are available on our website. Please visit the URL above OR scan this QR code.



SERVICE

QUALITY CONTINUES WITH QUALITY SERVICE



If you have installation questions, are missing parts or need replacement parts, don't go back to the store!

Please find your product serial number and model number, then contact our Customer Service department:



In North America and Canada call

Toll-Free: 877-728-8224



Chat online: www.brinly.com



Email: customerservice@brinly.com



MANUFACTURER'S LIMITED WARRANTY FOR BRINLY PULL-BEHIND ACCESSORIES

The limited warranty set forth below is given by Brinly-Hardy Company with respect to new merchandise purchased and used in the United States, its possessions and territories.

Brinly-Hardy Company warrants the products listed below against defects in material and workmanship, and will at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship. This limited warranty shall only apply if this product has been assembled, operated, and maintained in accordance with the Operator's manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster.

Normal Wear Parts or components thereof are subject to separate terms as follows: All normal wear parts or component failures will be covered on the product for a period of 90 days.

Parts found to be defective within the warranty period will be replaced at our expense. Our obligation under this warranty is expressly limited to the replacement or repair, at our option, of parts found to be defective in material and workmanship.

HOW TO OBTAIN SERVICE: Warranty parts replacements are available, ONLY WITH PROOF OF PURCHASE, through our Customer Service Department. Call 877-728-8224.

This limited warranty does not provide coverage in the following cases:

- a) Routine maintenance items such as lubricants and filters.
- b) Normal deterioration of the exterior finish due to use or exposure.
- c) Transportation and/or labor charges.
- d) The warranty does not include commercial and/or rental use.

No implied warranty, including any implied warranty of merchantability of fitness for a particular purpose, applies after the applicable period of express written warranty above as to the part as identified below. No other express warranty whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product, shall bind Brinly-Hardy Co. During the period of the warranty, the exclusive remedy is repair or replacement of the product as set forth above.

The provisions as set forth in this warranty provide the sole and exclusive remedy arising from the sale. Brinly-Hardy Co. shall not be liable for incidental or consequential loss or damage including, without limitation, expenses incurred for substitute or replacement lawn care services or for rental expenses to temporarily replace a warranted product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

During the warranty period, the exclusive remedy is replacement of the part. In no event shall recovery of any kind be greater that the amount of the purchase price of the product sold. Alteration of safety features of the product shall void this warranty. You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the misuse or inability to use this product.

This limited warranty shall not extend to anyone other than the original purchaser or to the person for whom it was purchased as a gift.

HOW STATE LAW RELATES TO THIS WARRANTY:

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT:

The Warranty period stated below begins with the PROOF OF PURCHASE. Without the proof of purchase, the Warranty period begins from the date of manufacture determined by the serial number manufacturing date.

WARRANTY PERIOD:

The warranty period for the product shown in this manual is as follows: Steel Frame Parts: consumer - 2 Years, commercial - 90 days. Tires and Wheels are normal wear parts - 90 days.