



200 LB. COMMERCIAL TOW SPREADER

SKU # 2118150

MODEL # BS0303-200

USER MANUAL



READ USER MANUAL CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE AND OPERATE THE SPREADER.

**DISTRIBUTED BY :
TRACTOR SUPPLY CO., LP
200 POWELL PLACE
BRENTWOOD, TN 37027**

MADE IN TAIWAN

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SAFETY INFORMATION

Equipment can cause injury if operated improperly.



Look for this symbol to point out important safety precautions. It means -ATTENTION! Be alert! Your safety is involved.

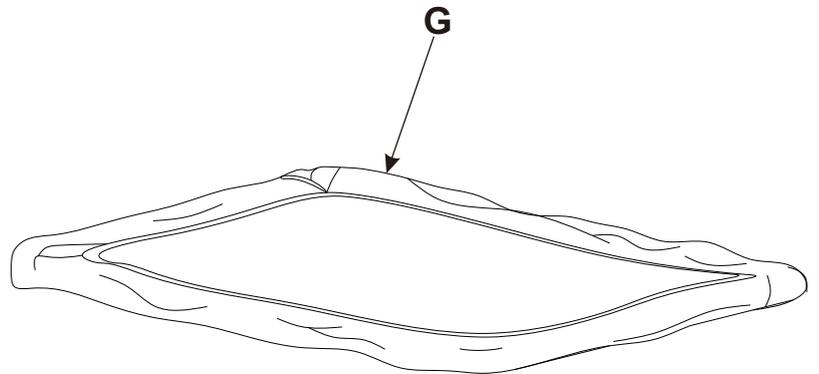
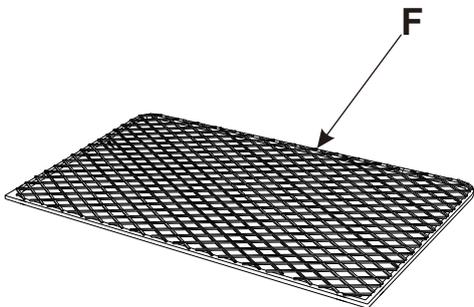
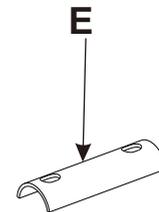
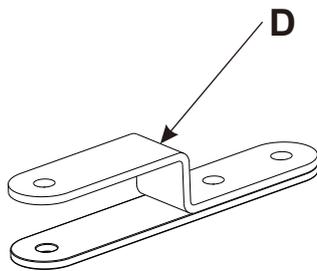
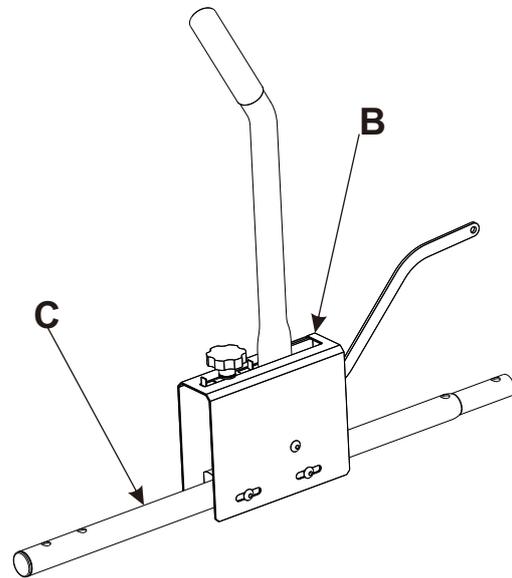
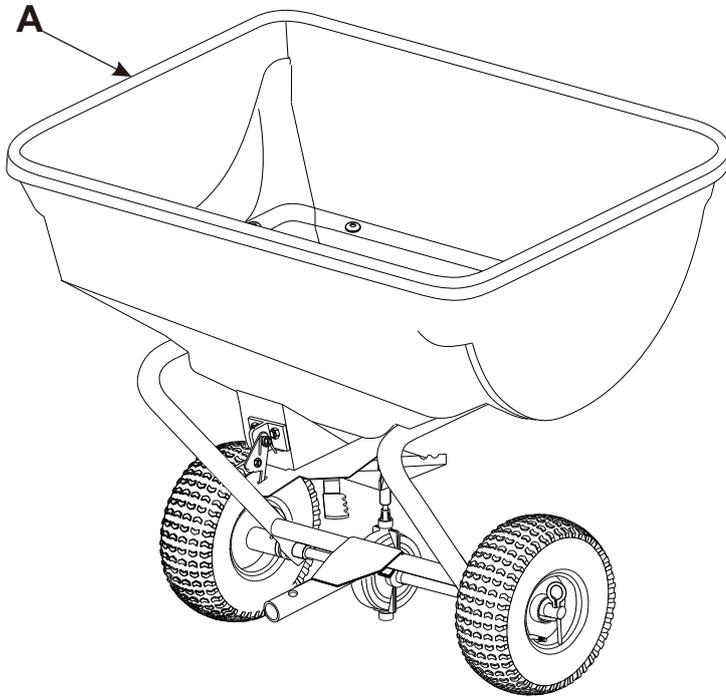


Do not use air compressor to inflate the tires. Use of a hand pump is strongly recommended.

- . **ONLY** use hand air pump to inflate the tires. Do not exceed maximum air pressure of 30psi.
- . **NEVER** allow children to operate the towing vehicle. Do not allow adults to operate the vehicle without having read the owner manual of the tractor.
- . Keep all people and animals at a safe distance.
- . **ALWAYS** operate up and down a slope, never across the face of a slope.
- . **ALWAYS** begin with the transmission in first (low) gear and engine at low speed, and gradually increase the speed as conditions permit.
- . **DO NOT** use the spreader on windy days when spreading pesticide, weed killer.
- . **DO NOT** tow the spreader at more than 3-4 miles per hour.
- . **ALWAYS** wear eye and hand protection when handling lawn and garden chemicals.
- . Keep all nuts, bolts tightened to ensure the equipment is in good working condition.
- . **DO NOT** attempt to break the lump of fertilizers in the spreader, it may cause damage to the lattice mesh and the spreader.
- . Care must be taken with any weed killer, pesticide, or combination product. They can be harmful to some of your plants in the yard.
- . The maximum recommended operating weight is 130 lbs.

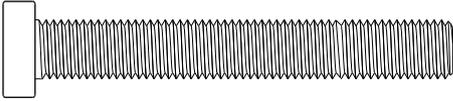
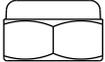
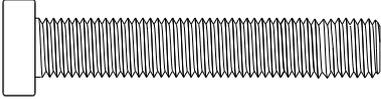
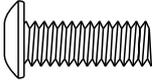
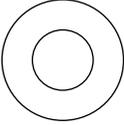
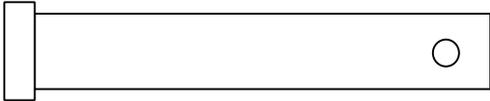
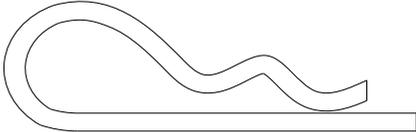
PACKAGE CONTENTS

Part	Description	Quantity	Part	Description	Quantity
A	Hopper Assembly	1	E	Connect Clamp	1
B	Flow Control Kit	1	F	Lattice Mesh	1
C	Tongue	1	G	Vinyl Cover	1
D	Hitch Bracket	1			

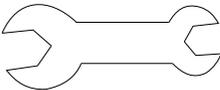


HARDWARE CONTENTS

(Shown Actual Size)

- | | | | |
|---------------------------------------|---|--|--|
| AA 8 mm x 55 mm
Hex Bolt
Qty. 2 |  | DD 8 mm
Hex Lock Nut
Qty. 4 |  |
| BB 8 mm x 45 mm
Hex Bolt
Qty. 2 |  | EE 6 mm
Hex Lock Nut
Qty. 1 |  |
| CC 6 mm x 16 mm
Hex Bolt
Qty. 1 |  | FF 16 mm x 8 mm
Flat Washer
Qty. 1 |  |
| GG Clevis Pin
Qty. 1 |  | HH R Clip Pin
Qty. 1 |  |

(Not Shown Actual Size)

- | | | | |
|---------------------------------|---|---|---|
| II 4 mm
Hex Wrench
Qty. 1 |  | JJ 11 mm & 13 mm
Open-end Wrench
Qty. 1 |  |
|---------------------------------|---|---|---|

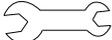
PREPARATION

Before assembling product, ensure all parts are included. Compare parts with package and hardware contents lists (page 3 & 4). If any part is missing or damaged, do not attempt to assemble the product. Contact customer service for replacement.

Estimated assembly time: 10 minutes

Tools Required for Assembly :

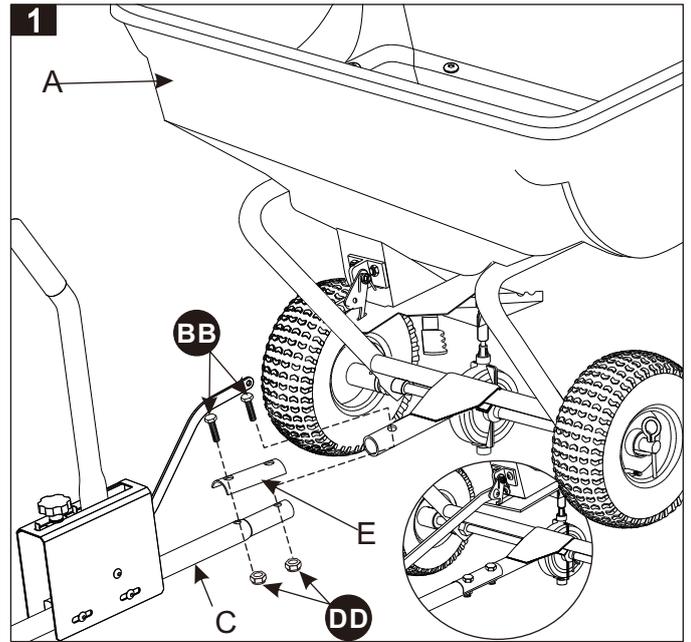
4 mm Hex Wrench (included) 

11 mm & 13 mm Open-end Wrench (included) 

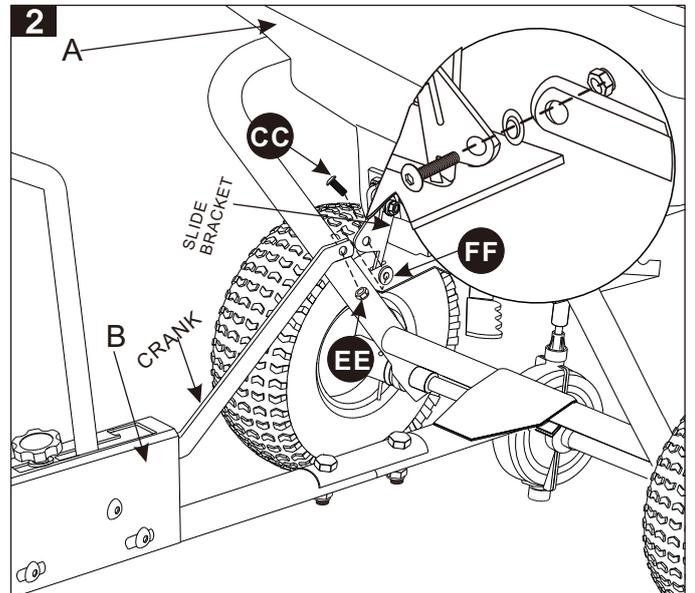
Adjustable Wrench (not included) 

ASSEMBLY INSTRUCTIONS

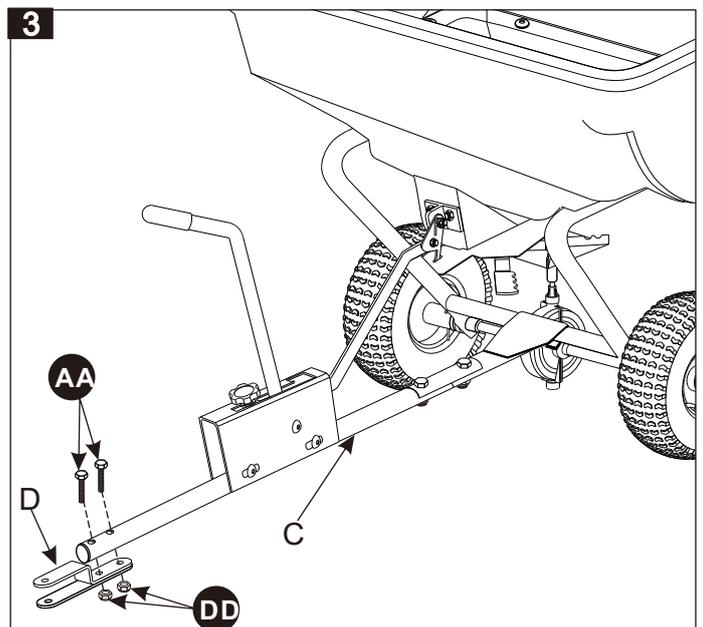
1. Slide the tongue (C) into the tube on frame of hopper assembly (A). Attach the connect clip (E) to the tongue with two hex bolts (BB) and two hex lock nuts (DD).



2. Attach the crank on the flow control kit (B) to the slide bracket on hopper assembly (A) with one hex bolt (CC), one flat washer (FF) and one hex lock nut (EE).

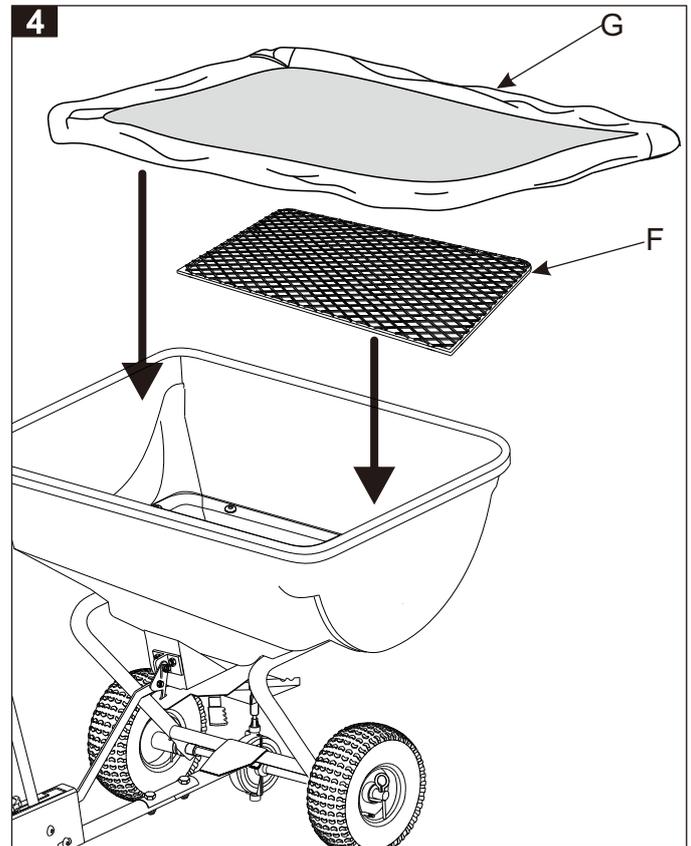


3. Attach the hitch bracket (D) to the tongue (C) with two hex bolts (AA) and two hex lock nuts (DD).

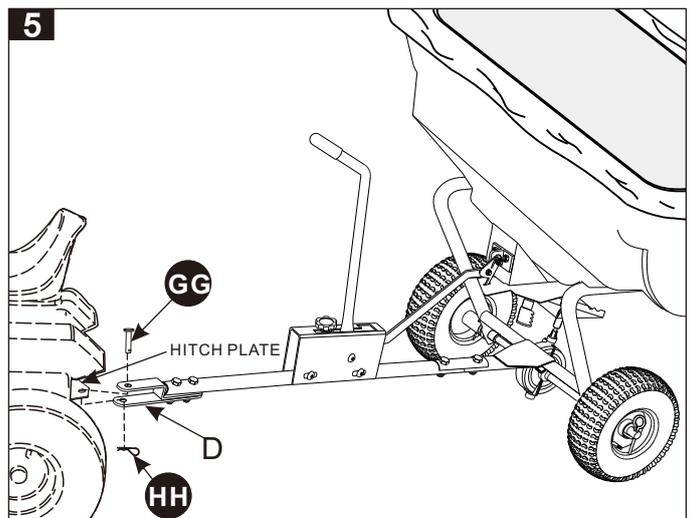


- Place the lattice mesh (F) evenly onto the platform inside the hopper. Then cap the vinyl cover (G) onto the hopper top by stretching sleeve of the vinyl cover around the rims of hopper.

Important: The vinyl cover acts as a wind and moisture shield, it keeps the contents dry. But it does not mean the spreader with cover can be used or left in rain. Do not operate the spreader while raining.



- Attach the hitch bracket (D) to the hitch plate on tail of tractor with one clevis pin (GG) and secure with one R clip pin (HH).



OPERATION

How to use your spreader

- Always use with supplied lattice mesh, the mesh is designed to screen of lumps which may block the outlet of spreader and damage the agitating pin.
- Always use with the supplied vinyl cover, the cover is designed to screen moisture and wind.
- Do not stock fertilizers in the hopper, the fertilizer will crystalize after long exposure to air.
- After use, always rinse the hopper and closure plate, any crystalized debris on closure plate may block the hopper outlet.
- Always close the outlet of hopper by push the flow control lever to lock position.
- If fertilizer is accidentally spread too heavy in some area, soak the area thoroughly with a garden hose to prevent burning of the lawn roots.

Fill the Spreader

- Fill the spreader over a patch of bare ground or sidewalk/driveway.
- Do not fill the spreader on the lawn. Sweep up any spilled product.
- Always fill the spreader with flow control lever on "OFF" position.
- Always break up any lumps before filling the spreader. Do not attempt to break the lumps in the hopper, as it may cause damage to the lattice mesh and the spreader.

Directional spreadings

1. Determine your setting rate with the setting chart as below.

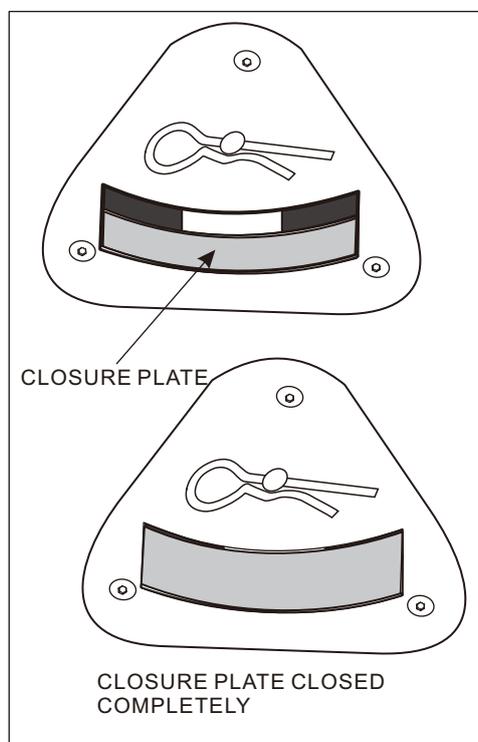
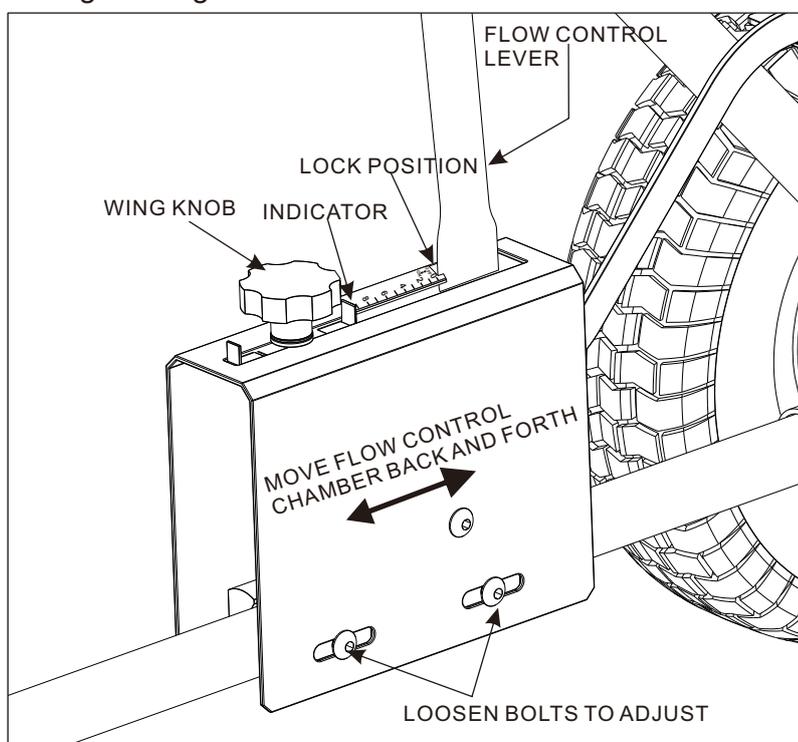
Material type	Setting at 3 MPH	Spread width coverage (feet)
Fertilizer		
Powder	3-5	3-4
Granular	3-5	8-10
Pelleted	3-5	10-12
Organic	6-8	6-8
Grass seed		
Fine	3-4	6-7
Coarse	4-5	8-9

Important: these are general setting information, it is only for reference. The rates are affected by humidity and moisture, some minor setting adjustments may be necessary to compensate for these conditions.

2. Move the flow control lever to lock ("OFF") position.
3. Loosen the wing knob to release the indicator.
4. Move the indicator to desired settings.
5. Tighten the wing knob to fix the position.
6. When spreading, release the control lever from "OFF" position to let it rest on the indicator.

How to Adjust the Closure Plate

1. Move the flow control lever to lock ("OFF") position.
2. Look inside the hopper to check if the closure plate are completely closed, if there is any gap between the closure plate and the directional outlet which is under the closure plate, please follow below steps to adjust:
 - a. Loosen the bolts on the flow control chamber.
 - b. Move the flow control chamber back and forth till the gap is bridged, fix the position by re-tightening the bolts.

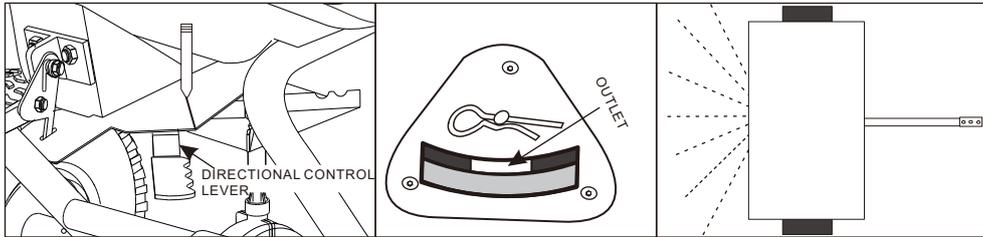


Directional Spreadings

This spreader has a cute mechanism allows three spread patterns with a moveable outlet. the outlet can be moved to various positions for different directional spreading. Left/right spreadings is usually used when near the sidewalks, plant beds.

A. Normal spreading (uniform spreading).

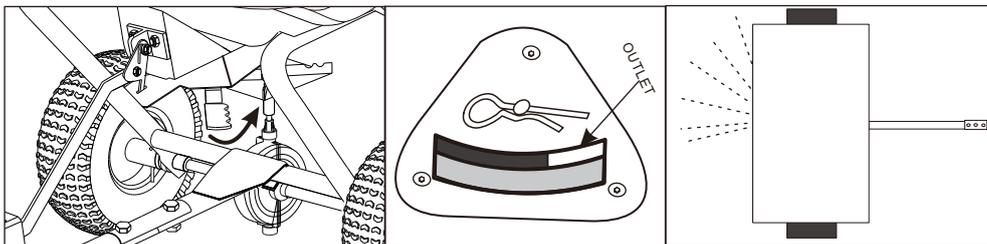
Normal pattern



Normal pattern (uniform) spreading requires the outlet is centered the arch opening on bottom of the hopper. To get familiar with which position the directional control lever stays when the outlet is centered, you need practice before filling the hopper. Look inside empty hopper while adjusting the directional control lever, when the outlet is at the center of the arch opening on the hopper, use a marker to draw a line where the lever stays, so you know where the control lever should stay for every use of the normal spreading pattern.

B. Left-side spreading

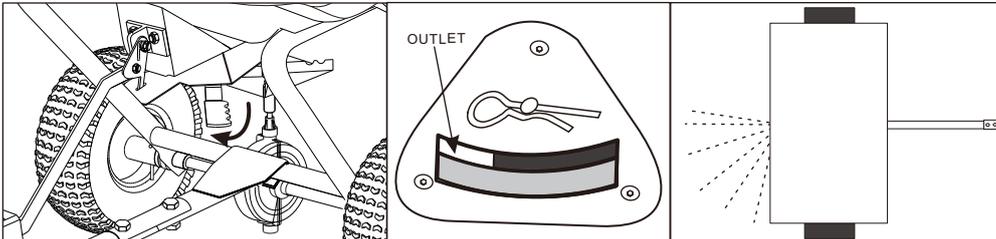
Left-side pattern



Left side spreading requires the outlet is at the right side of the hopper opening. Move the outlet to the right by pushing the directional control lever clockwise till it comes to the end.

C. Right-side spreading

Right-side pattern



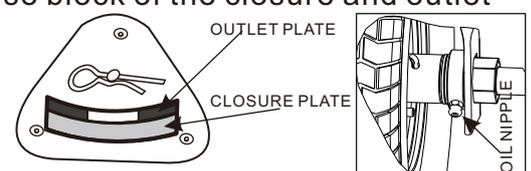
Right- side spreading requires the outlet is at the left side of the hopper opening. Move the outlet to the right by pushing the directional control lever counter-clockwise till it comes to the end.

Important notice:

1. The spreading patterns and scopes may vary with the change of towing speed and flow rate settings. Always make some slight adjustment on the outlet positions to get the best spreading effect while the condition changes.
2. During spreading, you may find the spreading scope, direction is changing. The changes may come from the movement of outlet plate which is getting loose from agitating pressure inside the hopper. Stop the vehicle and close the closure plate by pushing the flow control lever to lock. Tighten the nuts securing the out let plate.

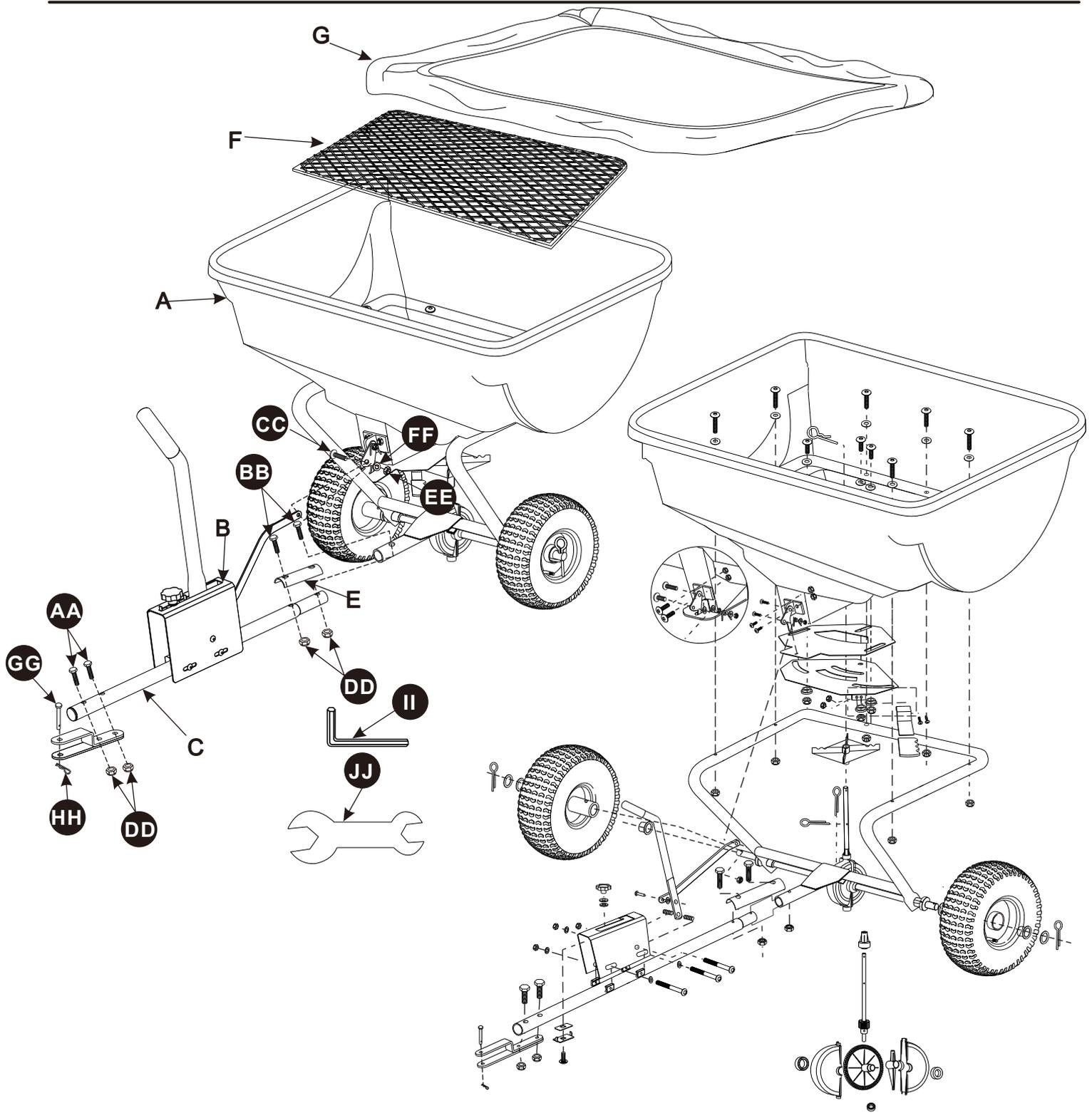
CARE AND MAINTENANCE

1. Empty the hopper after each use. Do not store spreader with materials left in hopper.
2. Rinse the hopper and lattice mesh, especially the closure plate and directional outlet plate and wipe dry, as debris of fertilizers may get crystalized and cause block of the closure and outlet plate to function.
3. Store in a clean, dry area.



4. Lubricate the alloy bushings with grease gun through the oil nipples.
5. Always have the flow control lever in "lock" position when filling the hopper or transporting.

PARTS LIST AND EXPLODED VIEW



Part	Description	Quantity	Part	Description	Quantity
A	Hopper Assembly	1	BB	8 mm x45 mm Hex Bolt	2
B	Flow Control Kit	1	CC	6 mm x 16 mm Hex Bolt	1
C	Tongue	1	DD	8 mm Hex Lock Nut	4
D	Hitch Bracket	1	EE	6 mm Hex Lock Nut	1
E	Connect Clamp	1	FF	16 mm x 8 mm Flat Washer	1
F	Lattice Mesh	1	GG	Clevis Pin	1
G	Vinyl Cover	1	HH	R Clip Pin	1
H	Front Drum Wheel	1	II	4 mm Hex Wrench	1
AA	8 mm x 55 mm Hex Bolt	2	JJ	11 mm & 13 mm Open-end Wrench	1