
50LB Walk Behind Spreader



ASSEMBLY AND OPERATING INSTRUCTION

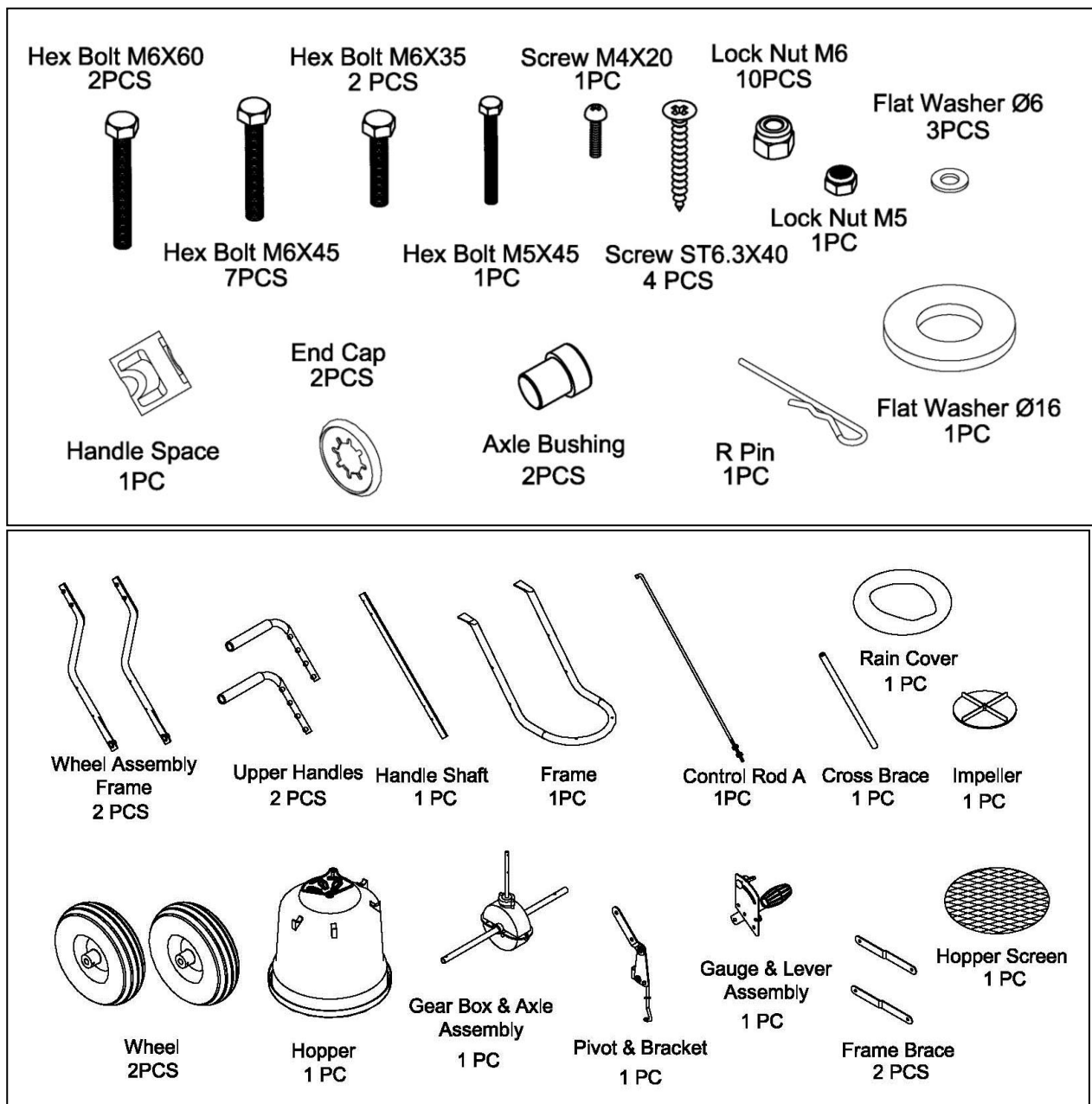
1. HELPFUL HINTS:

READ THE DIRECTIONS BEFORE ASSEMBLY

WHEN ALL ELSE FAILS, READ THE DIRECTIONS AGAIN

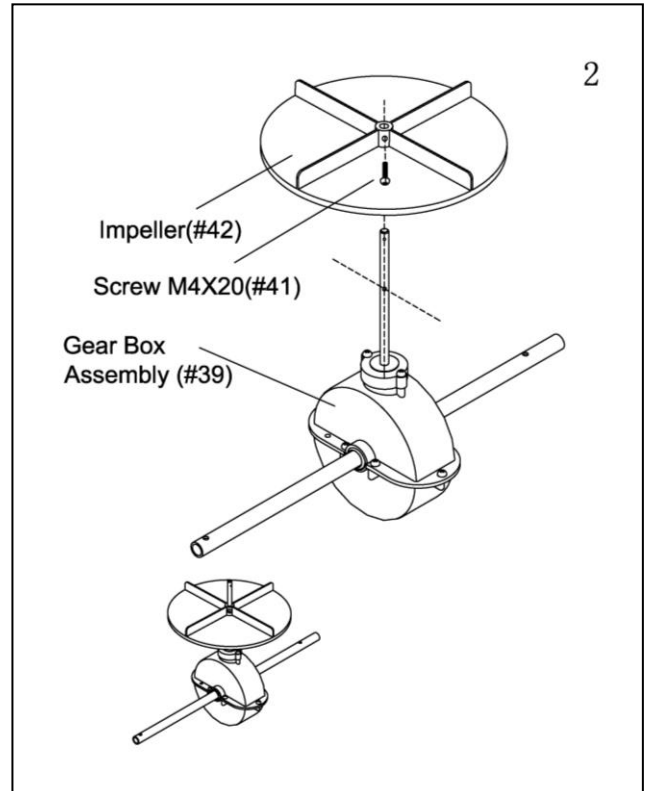
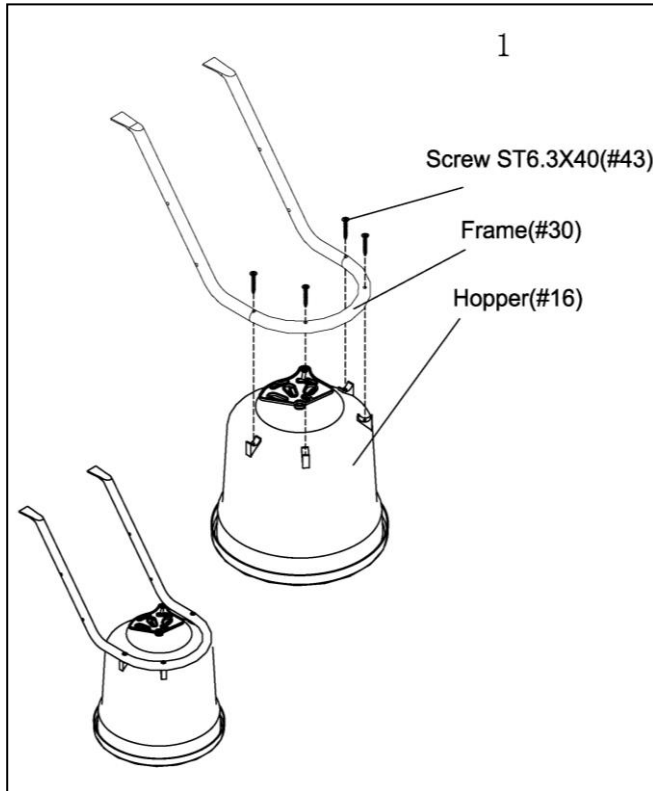
- If your spreader does not spread evenly, be sure the FRONT on the gear box points to the front of the spreader. The impeller must turn clockwise. Reversing the gear box will cause the impeller to turn counter clockwise. Clean the impeller plate after each use. Fertilizer stuck on the impeller blades will cause uneven spreading.
- Your spreader is designed to be pushed at three miles per hour, which is a brisk walking speed. Slower or faster speeds will change the spread patterns. Wet fertilizer will also change the spread pattern and flow rate. Clean your spreader thoroughly after each use. Wash between the shut off plate and bottom of the hopper.
- Gears are permanently lubricated at the factory. Do not open the gear box or dirt may enter.

2. Remove and identify loose parts from carton and bag.

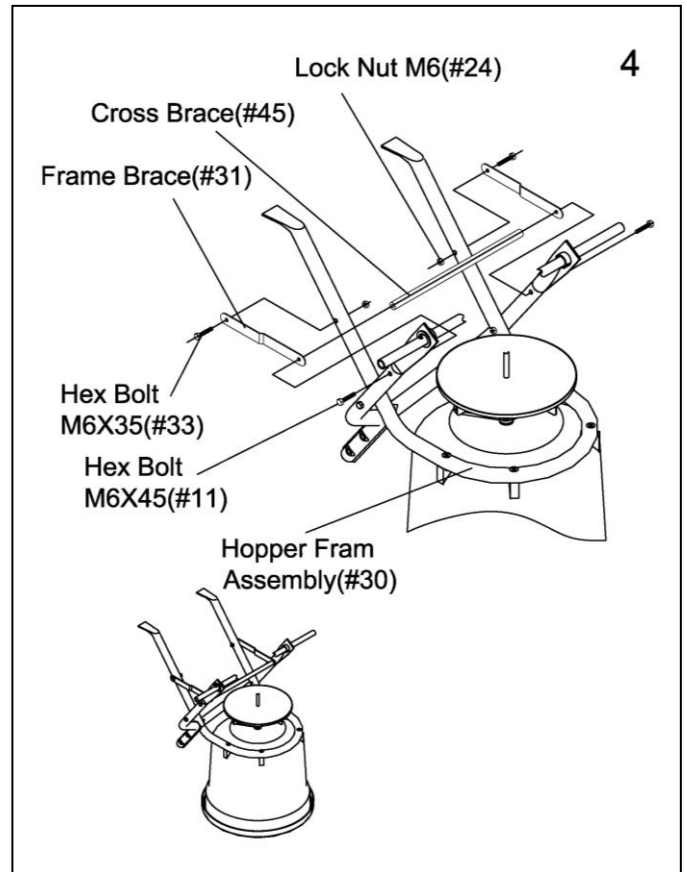
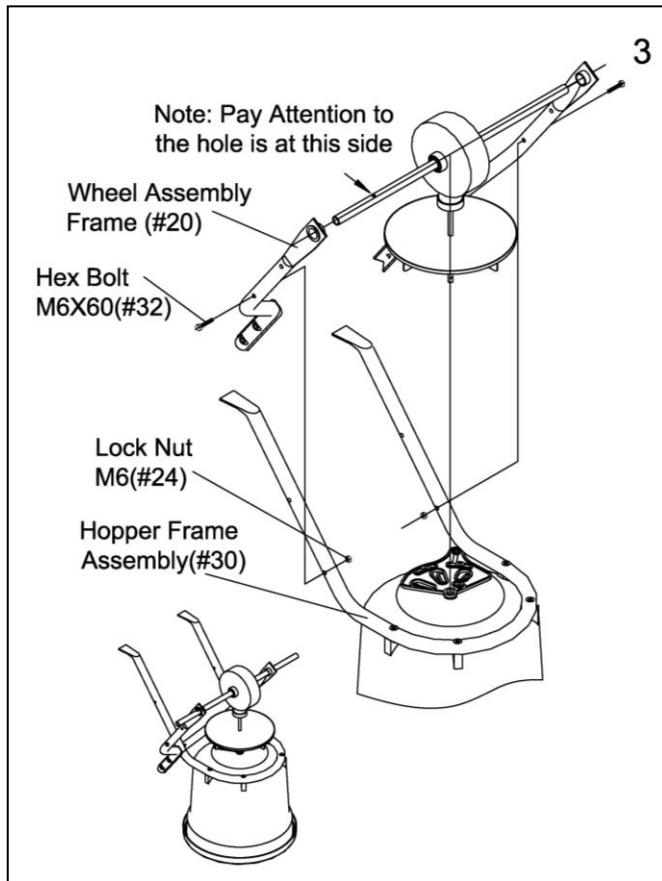


ASSEMBLY INSTRUCTION

1. Turn Hopper (#16) upside down and attach Frame (#30) using four screws ST6.3 x 40 (#43).
2. a) Slide the Impeller (#42) onto the spindle of the Gear Box Assembly (#39).
b) Insert Screw M4 x20 (#41) through the Impeller and the top of the gear box spindle.

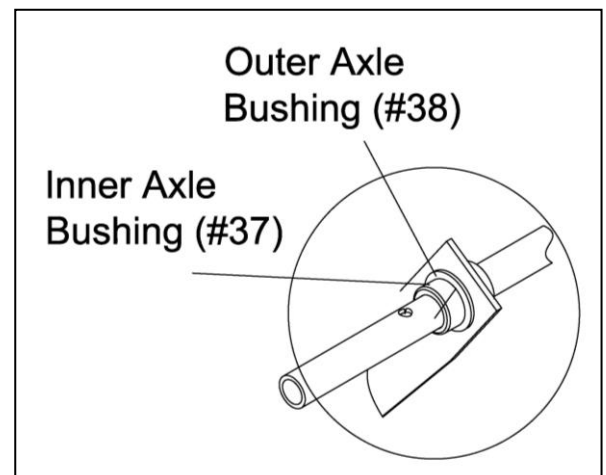
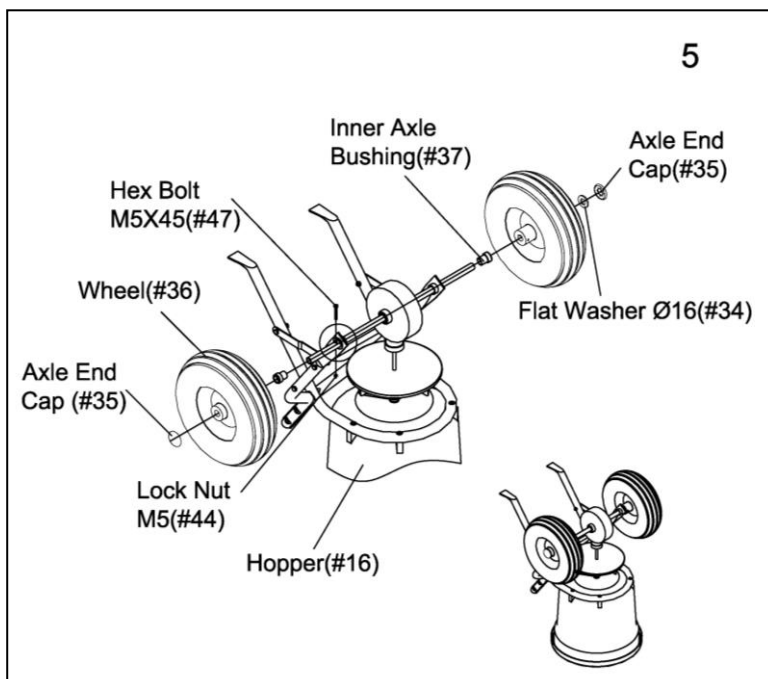


3. a) Find the two Wheel Assembly Frames (#20).
b) Insert M6 x 60 bolt (#32) through the right hand Wheel Assembly Frame (#20) and into the Hopper Frame Assembly (#30). Secure with Lock Nut M6 (#24). Repeat on left side. NOTE: The nuts and bolts do not have to be completely tightened yet.
4. a) Attach one end of each Frame Brace (#31) to the outside of the Hopper Frame Assembly (#30) using bolt M6 x 35 (#33) and M6 lock nut (#24).
b) Push a M6 x45 bolt (#11) through the first hole above the axle in right hand Wheel Assembly Frame (#20). Pass bolt through the Frame Brace (#31) and into the end of the Cross Brace (#45). Repeat with the left side. NOTE: The nuts and bolts do not have to be completely tightened yet.



5. Slip Inner Axle Bushing (#37) onto the right side of the axle, pushing the Inner Axle Bushing into the Outer Axle Bushing until tight. Attach Wheel (#36) to the right side of the axle by inserting a M5 x 45 bolt (#47) and fastening with Lock Nut M5 (#44). Attach Axle End Cap (#35) by tapping with a wooden or rubber mallet.

b) Slip Inner Axle Bushing (#37) onto the left side of the axle, pushing the Inner Axle Bushing into the Outer Axle Bushing until tight. Push the Wheel onto the axle. Insert Flat Washer Ø 16 (#34) and attach Axle End Cap (#35) by tapping with a wooden or rubber mallet. NOTE: The nuts and bolts do not have to be completely tightened yet.



Note: Insert the Inner axle bushing into the outer axle bushing and make

sure they are tight.

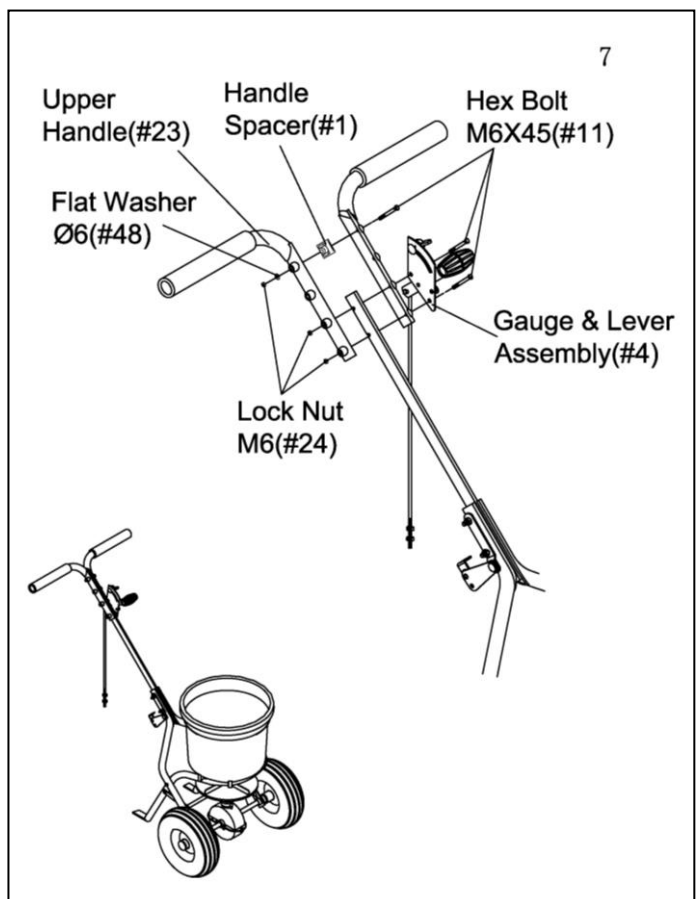
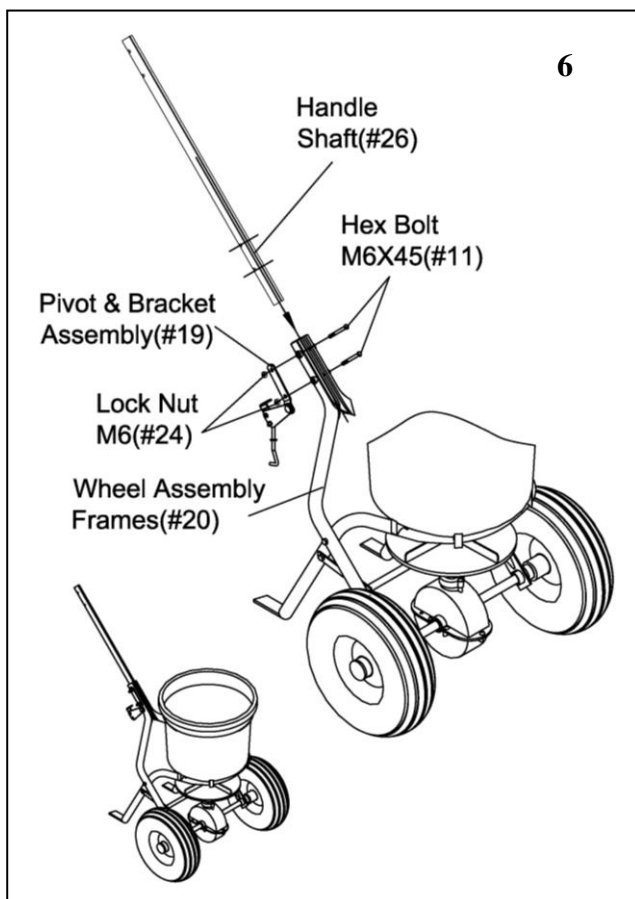
6. Insert Handle Shaft (#26) between the top ends of the Wheel Assembly Frames (#20). Pass two Bolts M6 x 45 (#11) through Wheel Assembly Frames and Handle Shaft. Slip Pivot and Bracket Assembly (#19) onto protruding bolt ends. Fasten with Lock Nuts M6 (#24). Pivot and Bracket Assembly should be on the right side of the handle when standing behind the spreader.

GO BACK AND TIGHTEN ALL NUTS AND BOLTS ASSEMBLED SO FAR. DO NOT OVER TIGHTEN.

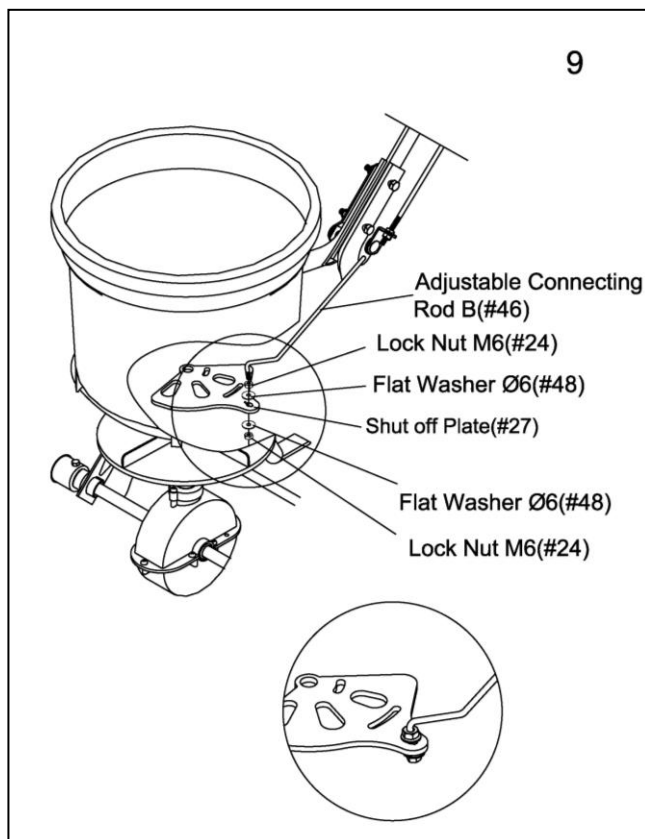
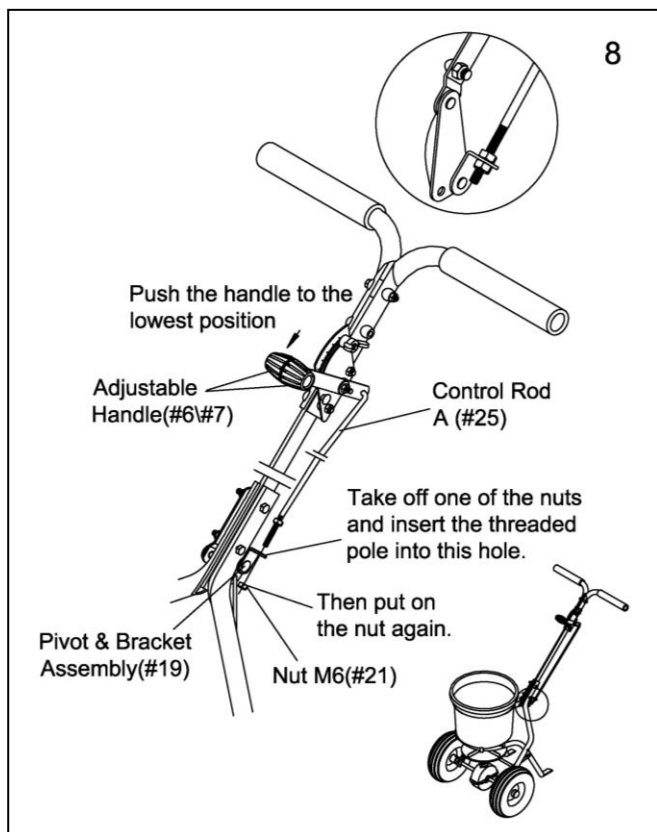
NOTE: The handle can be higher or lower depending on the user's preference. Before installing the gauge, upper handles and handle shaft, decide which of the three positions will be most comfortable for the operator. If the middle or upper positions are chosen, use a handle spacer in the hole nearest to the handle grips.

7. a) Insert Bolts M6 x 45 (#11) through the Upper Left Handle (#23), then through the Handle Spacer (#1) and Upper Handle on the Right side, screw with Flat Washer Ø 6 (#48) and Lock Nut M6 (#24). Slide Gauge and Lever Assembly (#4) onto the bolts and fasten with Lock Nut M6 (#24).

b) Tighten lock nuts securely.



8. a) Push the Adjustable Handle (#6,#7) to the lowest position.
 - b) Insert the upper end of the Control Rod (#25) into the hole at the end of the Adjustable Handle (#6,#7).
 - c) Take lower nut (#21) off the bottom end of the Control Rod (#25) and insert rod into the hole in the Pivot and Bracket Assembly (#19).
 - d) Screw nut back into place.
9. Slip the threaded end of Adjustable Connecting Rod (#46) into the Shut Off Plate (#27) with a Flat Washer Ø6 (#48) , then fasten with Flat Washer Ø6 (#48) and Lock Nut M6 (#24).

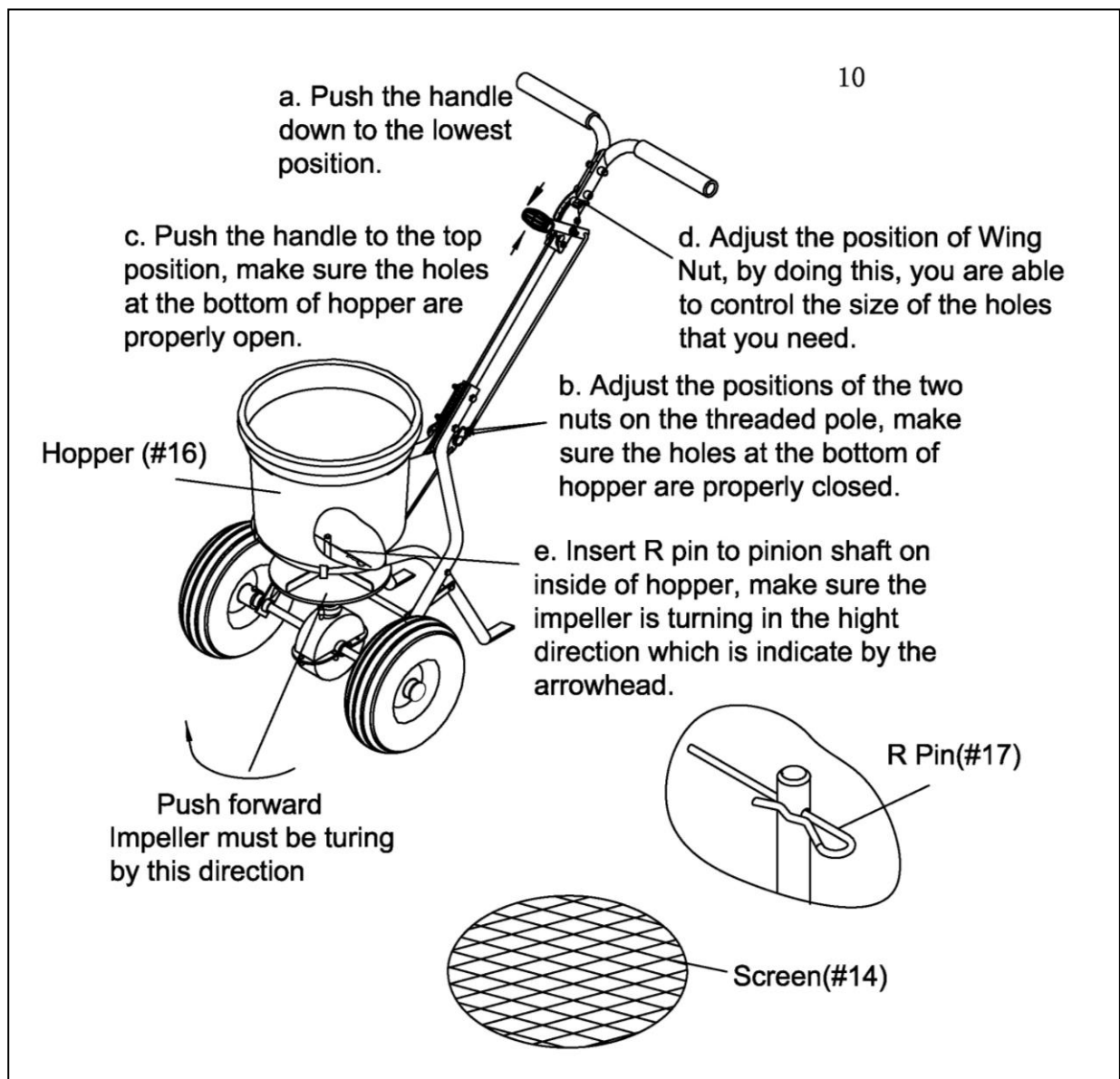


10. a) The three large holes at the bottom of the hopper should match the three holes in the adjustable plate. If they match, do nothing. If they do not match, push the handle down to the lowest position and adjust the positions of the two nuts on the threaded control bar until the three holes match up. If the holes are not properly aligned, the hopper will not close completely.

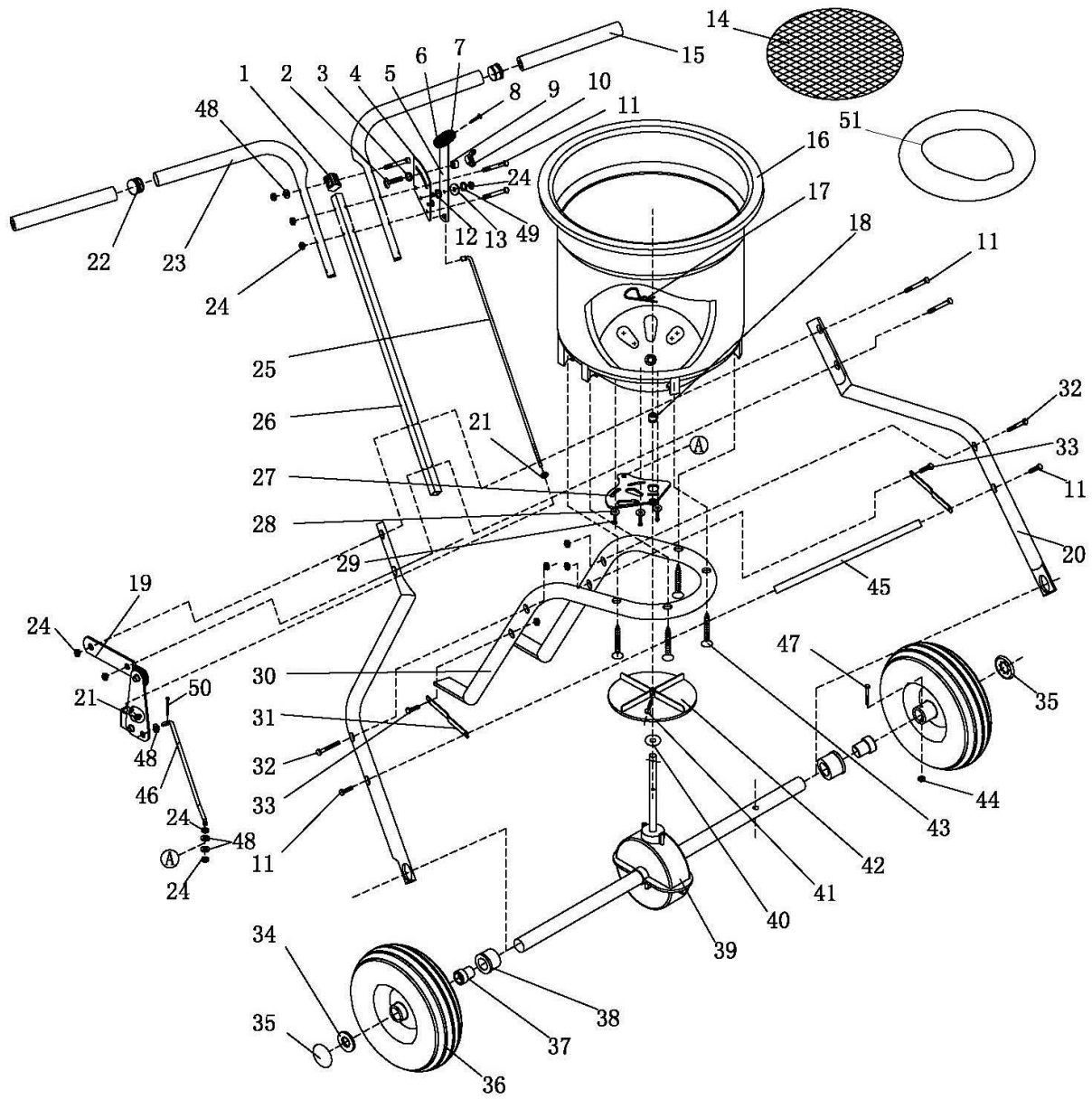
b) To operate the spreader, push the handle up to the top position. Adjust the wing nut as needed to regulate the flow of material passing through the spreader.

c) Insert R Pin (#17) into the hole at the top of the axle spindle at the bottom of the Hopper (#16) as shown. Make sure impeller is turning in the right direction as indicated by the arrow.

d) Place Screen (#14) into the Hopper (#16).



DRAWING



PARTS LIST

Ref#	Description	Qty	Ref#	Description	Qty
1	Handle Spacer	1	27	Shut off plate	1
2	Carriage Bolt M6x25	1	28	Big Flat Washer Ø4	3
3	Teeth Washer Ø8	1	29	Screw ST4.2x12	3
4	Gauge & Lever Assembly	1	30	Frame	1
5	Adjust Handle Pole	1	31	Frame Brace	2
6	Adjust Handle A	1	32	Hex Bolt M6X60	2
7	Adjust Handle B	1	33	Hex Bolt M6X35	2
8	Screw ST4.2x18	1	34	Flat Washer Ø16	1
9	Spacer	1	35	End Cap	2
10	Wing Nut M6	1	36	Pneumatic Wheel	2
11	Hex Bolt M6x45	7	37	Inner Axle Bushing	2
12	Nylon Washer	1	38	Outer Axle Bushing	2
13	Big Flat Washer Ø6	1	39	Gear Box & Axle Assemble	1
14	Screen	1	40	Thin Washer	1
15	Handle Cover	2	41	Screw M4x20	1
16	Hopper	1	42	Impeller	1
17	R Pin Ø2.5X80	1	43	Screw ST6.3X40	4
18	Hopper Bushing	1	44	Hex Lock Nut M5	1
19	Pivot & Bracket Assembly	1	45	Cross Brace	1
20	Wheel Assembly Frame	2	46	Adjust Connect Rod B	1
21	Nut M6	2	47	Hex Bolt M5X45	1
22	End Cover	2	48	Flat Washer Ø6	4
23	Upper Handle	2	49	Lock Washer Ø6	1
24	Lock Nut M6	12	50	Cotter Pin Ø2x10	1
25	Control Rod A	1	51	Rain Cover	1
26	Handle Shaft	1			

USING YOUR SPREADER

1. Determine approximate square footage of area to be covered and estimate amount of material required.
2. Before filling the hopper, make sure the flow control arm is in the off position and the closure plate is shut.
3. Break up any lumpy fertilizer as you fill the hopper.
4. Set the adjustable stop with the flow control arm still in the off position. Refer to the application chart on this page and to the instructions on the fertilizer bag to select the proper flow rate setting.
5. The application chart is calculated for light to heavy application at a vehicle speed of 3 mph, or 100ft. in 23seconds. A variation in speed will require an adjustment of the flow rate to maintain the same coverage. The faster you drive, the wider the broadcast width.
6. Make sure the drive pin is installed in the axle before starting the spreader.
7. Always start the spreader in motion before opening closure plate.
8. Always shut the closure plate before turning or stopping the spreader.
9. If fertilizer is accidentally deposited too heavily in a small area, soak the area thoroughly with a garden hose or sprinkler to prevent burning of the lawn.
10. To insure uniform coverage, make each pass so that the broadcast pattern slightly overlaps the pattern from the previous pass as shown in figure below. The approximate broadcast widths for different materials are shown in the application chart on this page.
11. When broadcasting weed control fertilizers, make sure the broadcast pattern does not hit evergreen trees, flowers or shrubs.
12. Heavy moisture conditions may require a cover over the hopper to keep contents dry. The vinyl cover acts as a wind and moisture shield, but should not be used as a rain cover.

