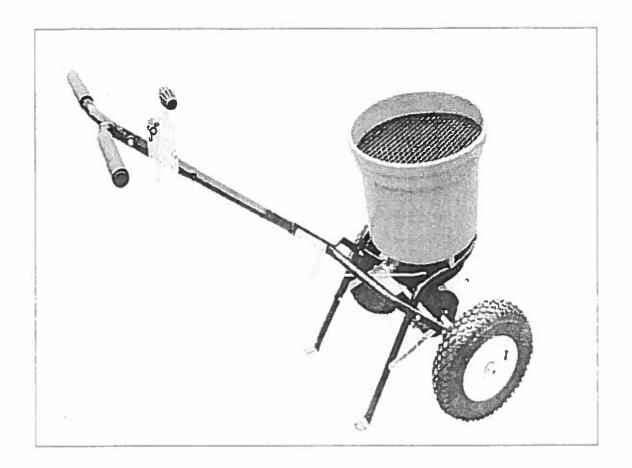
# **50LB SPREADER**



**ASSEMBLY INSTRUCTION** 

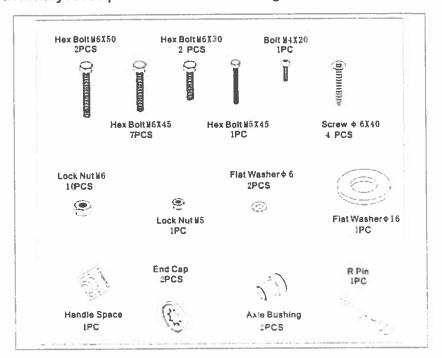
#### ASSEMBLY INSTRUCTION

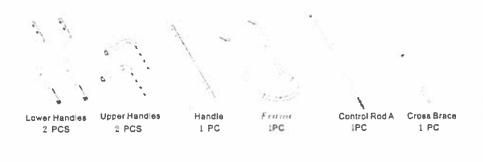
#### 1. HELPFUL HINTS:

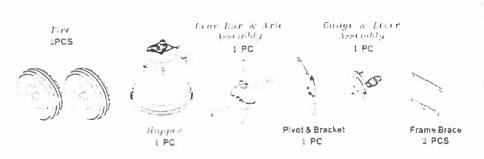
# READ THE DIRECTIONS BEFORE ASSEMBLY WHEN ALL ELSE FAILS, READ THE DIRECTIONS AGAIN

- 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.

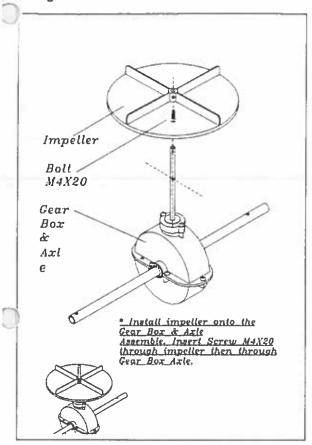
#### 2. Remove and identify loose parts from carton and bag.



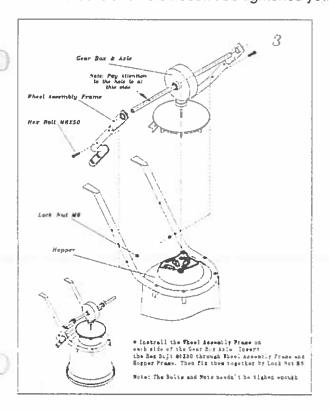




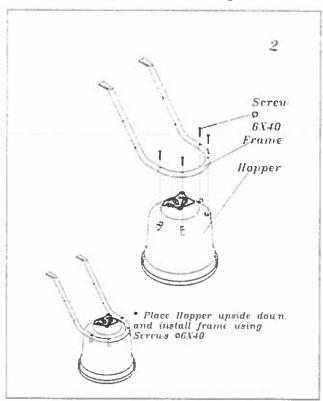
3. Place hopper upside down and install frame using Screw M6x40



**5.** Install the wheel Assembly Frame on each side of the Gear Box Axle. Insert the hex bolt M6X50 through wheel assembly frame and Hopper Frame. Then fix them together by lock nut M6. Note: The bolts and nuts needn't be tightened yet.

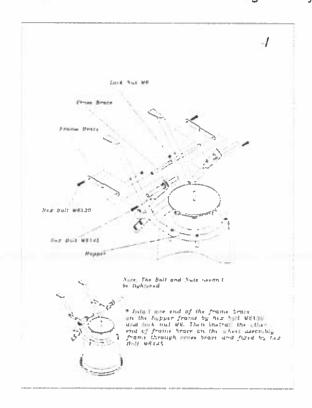


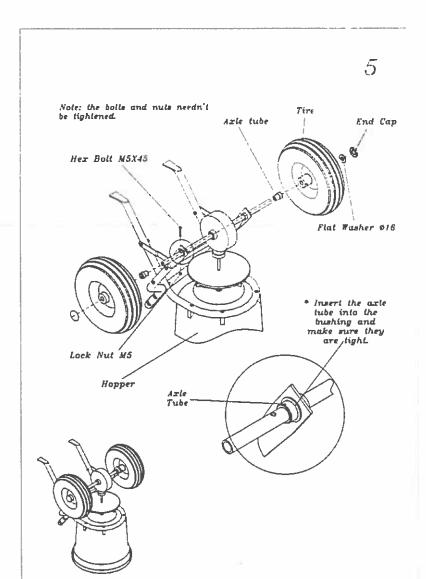
4.Install impeller onto Gear Box & Axle Assembly.
Insert screw M4X20 through impeller then through Gear Box Axle. Use Hole nearest gear box, Spread screw M4X20 to prevent from falling out.



6. Install on end of the frame brace onto the hopper frame by hex bolt M6X30 and lock nut M6. Then install the other end of frame brace and fixed by hex bolt M6X45.

Note: The bolts and nuts needn't be tightened yet.





**7.**Slide Axle bushing over axle and into axle bearing to both sides as shown.

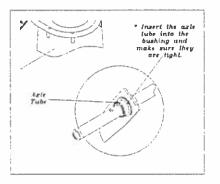
Install wheel to axle and fixed by the hex bolt M5X45

Install the Flat Washer Ø17 and end cap for each wheel.

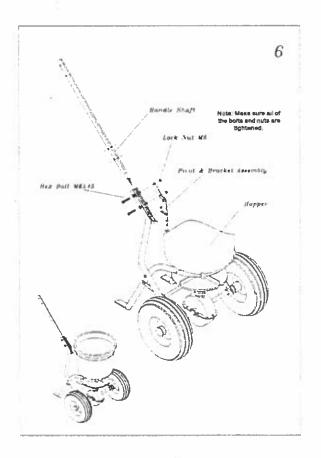
Note: Insert the axle tube into the bushing and make sure they are tight.

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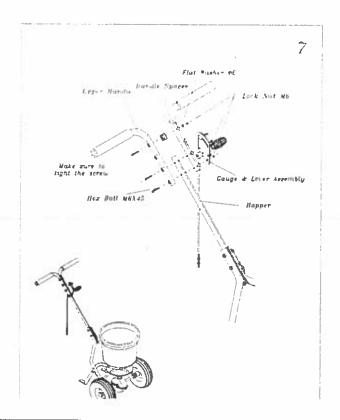
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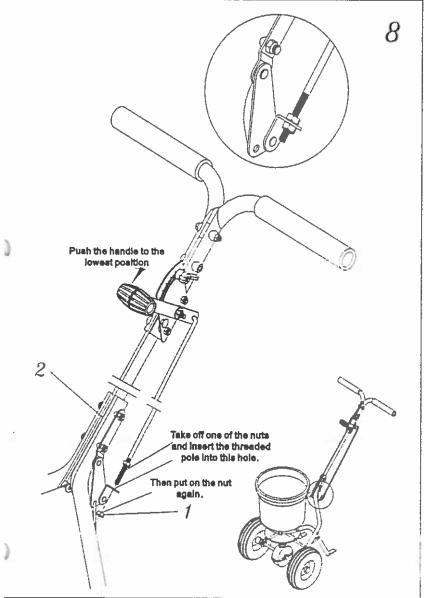


8. Install the pivot & bracket assembly onto the lower handle by hext bolt M6X45 and lock nut M6. Insert the Upper handle into the lower handle. NOW GO BACK AND TIGHTEN ALL NUTS AND BOLTS STARTING WITH FIRST STEP. DO NOT OVER TIGHTEN.



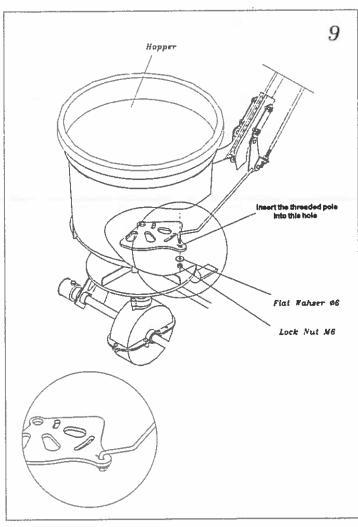
9.Before installing the gauge and upper handles and handle shaft, upper handles feature three ositions for operator's comfort. If operator chooses middle or upper positions, use Handle spacer in hole nearest to handle grips. Insert hext bolt M6X45 through upper handle, then through handle spacer Through other upper handle. DO NOT TIGHTEN LOCK NUT YET. TIGHTEN THIS NUT LAST. Install gauge & lever using bolt. Be sure gauge is on left hand side. Tighten lock nuts to gauge first. TIGHTEN NOW.





**10.** Push the handle to the lowest position. Take off one of the nuts and insert the head of threaded pole into the hole of this part.

Then put on the nut again.



1. Push the handle to the top position

1. Push the handle to the top position the holes at the bottom of hopper are proper as the holes of adjustable, plate.

2. Adjustable plate are the bottom of hopper and edjustable plate are proper.

2. Adjustable plate are proper and edjustable plate are proper.

R Pin

Hopper

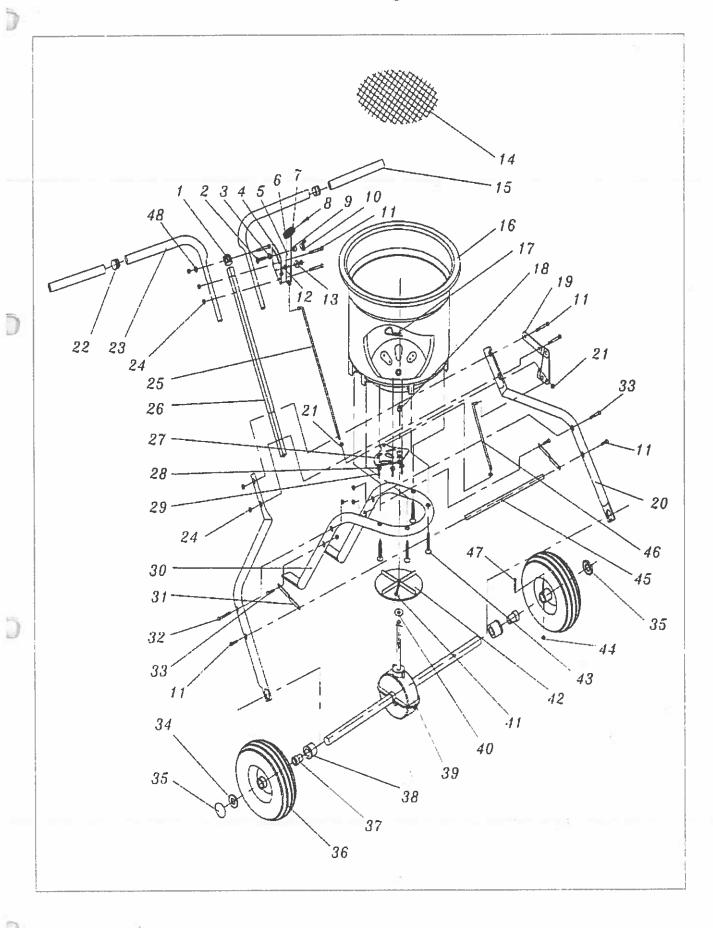
Fush forward

impelier must be turing by this direction

11. Insert pivot rod in to shut off plate as shown. And locked by flat washer Ø6 and lock nut M6.

- **12. A-** Push up the handle to the lowest position
- B- Adjust the position of 2 nuts on the threaded pole, make sure the holes at the bottom of hoper match close the holes of adjustable plate properly.
- C- Push on the handle to the upper position, make sure the holes are 100% open.
- D- Adjust the position of wing nut. By doing this, you can control how big of the holes what you need.
- E- Insert R-pin to pinion shaft on inside of hopper. Make sure the impeller is turing by the right direction. which is indicated by the arrowhead.

# Drawing



### Parts List

Ref#	Description	Qty	Ref#	Description	Qty
1	Handle Spacer	1	25	Control Rod A	1
2	Bolt M6x25	1	26	Handle Shaft	1
3	Washer	1	27	Shut off plate SP 3 15 03-237	1
4	Gauge & Lever Assembly	1	28	Flat Washer Ø4	3
5	Adjust Handle Pole	1	29	Screw Ø4x12	3
6	Adjust Handle A	1	30	Frame	1
7	Adjust Handle B	1	31	Frame Brace	2
8	Screw M4x18	1	32	Bolt M6X50	2
9	Handle Spacer	1	33	Bolt M6X30	2
10	Wing Nut	1	34	Flat Washer Ø16	1
11	Bolt M6x45	7	35	End Cap	2
12	Nylon Washer	1	36	Pneumatic Wheel	2
13	Flat Washer Ø6	1	37	Axle Bushing	2
14	Screen	1	38	Axle Bearing 3/503-38	2
15	Handle Cover	2	39	Gear Box & Axle Assemble	1
16	Hopper	1	40	Washer	1
17	R Pin Ø2	1	41	Screw Ø4x20	1
18	Hopper Bushing	1	42	Impeller	1
19	Pivot & Bracket Assembly	1	43	Screw Ø6X40	4
20	Wheel Assembly Frame	2	44	Hex Lock Nut M5	1
21	Nut M6	2	45	Cross Brace	1
22	End Cover	2	46	Adjust Connect Rod	1
23	Upper Handle	2	47	Hex Bolt M5X45	1
24	Lock Nut M6	11	48	Flat Washer Ø6	1