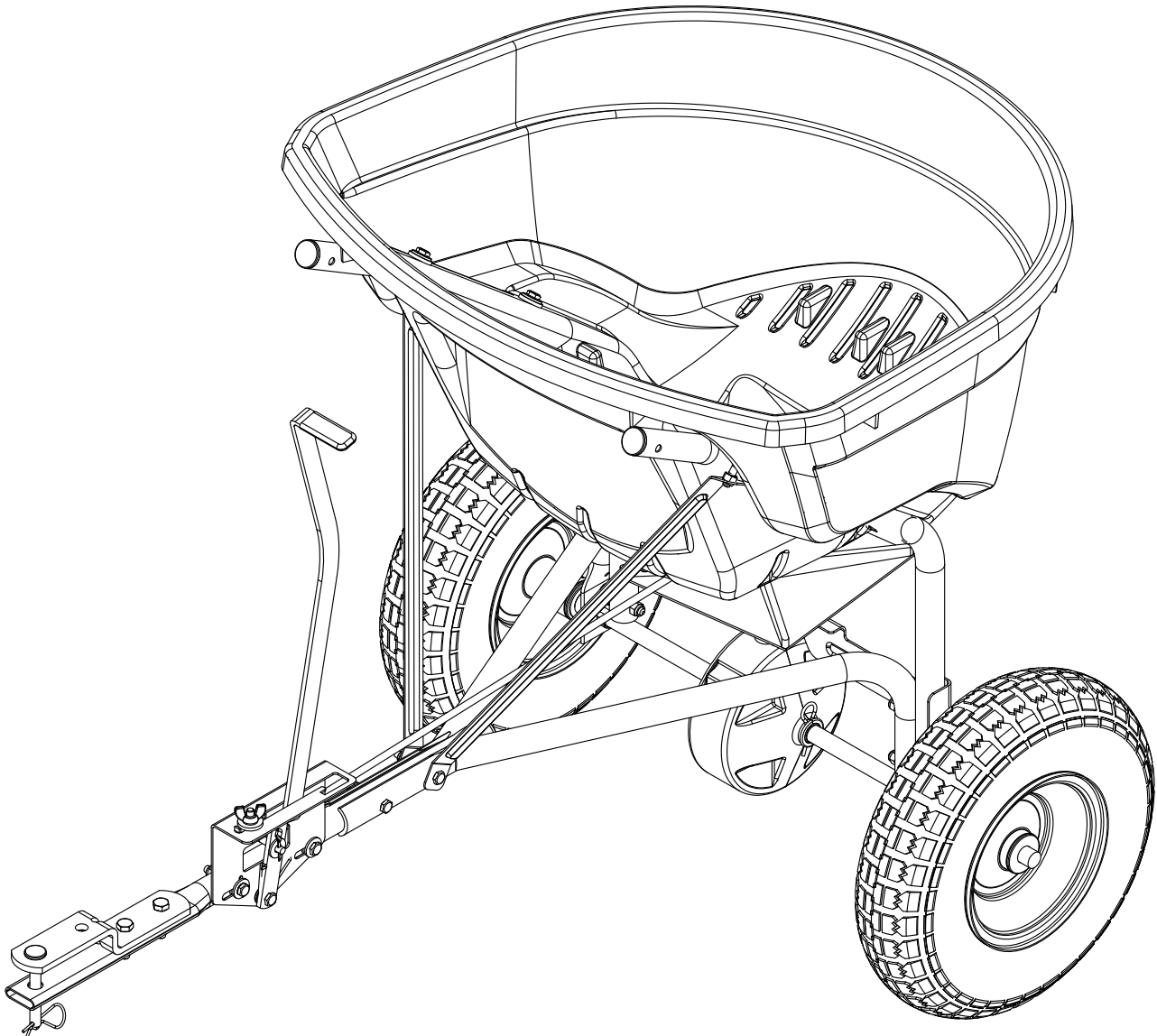




SKU # 1600536

MODEL # 45-04632-131




130 LB. Tow Spreader

Distributed by:
TRACTOR SUPPLY COMPANY
5401 VIRGINIA WAY, BRENTWOOD, TN 37027
For customer support, call: 1-888-376-9601
www.tractorsupply.com


FORM NO. 3-37 (11/18/2020)

SAFETY RULES

Remember, any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times when using power equipment.



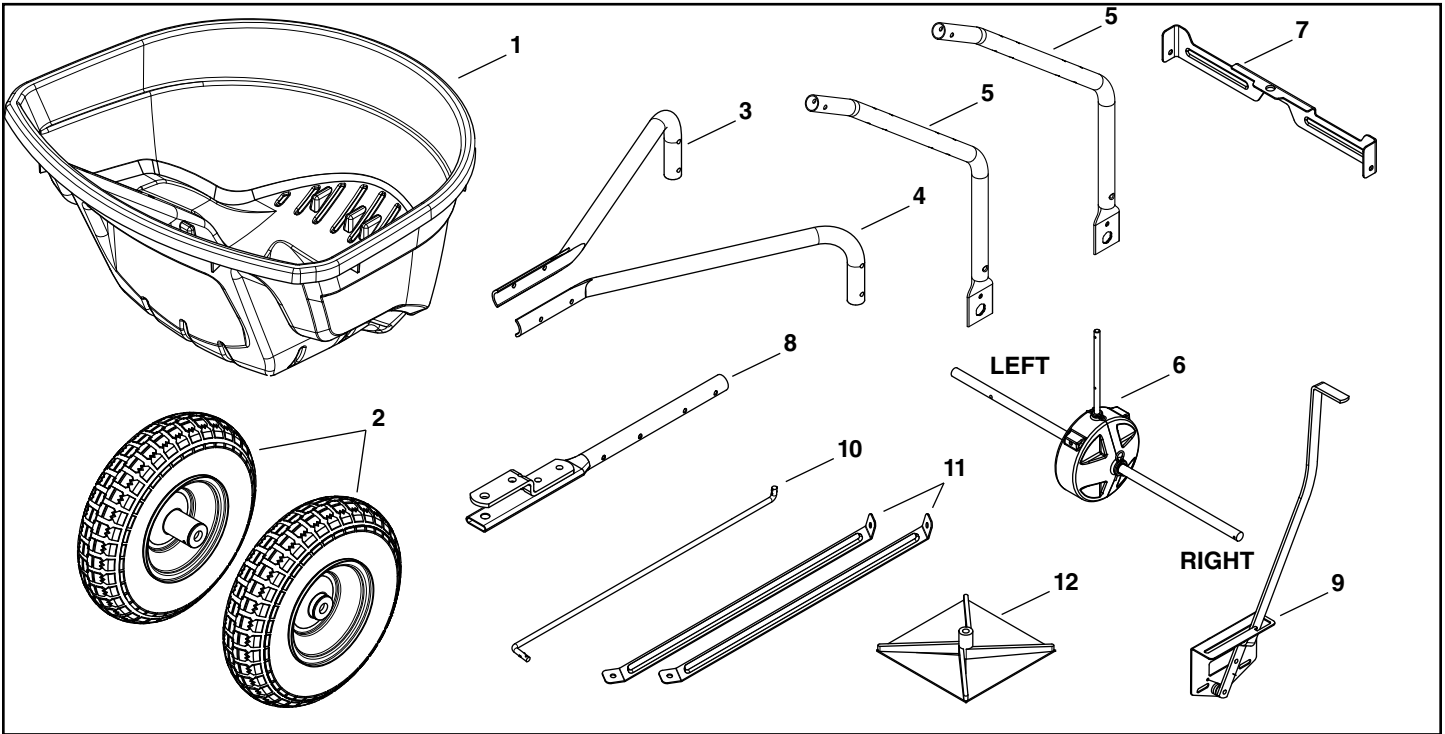
Look for this symbol to point out important safety precautions. It means — **ATTENTION!** Become alert! Your safety is involved.



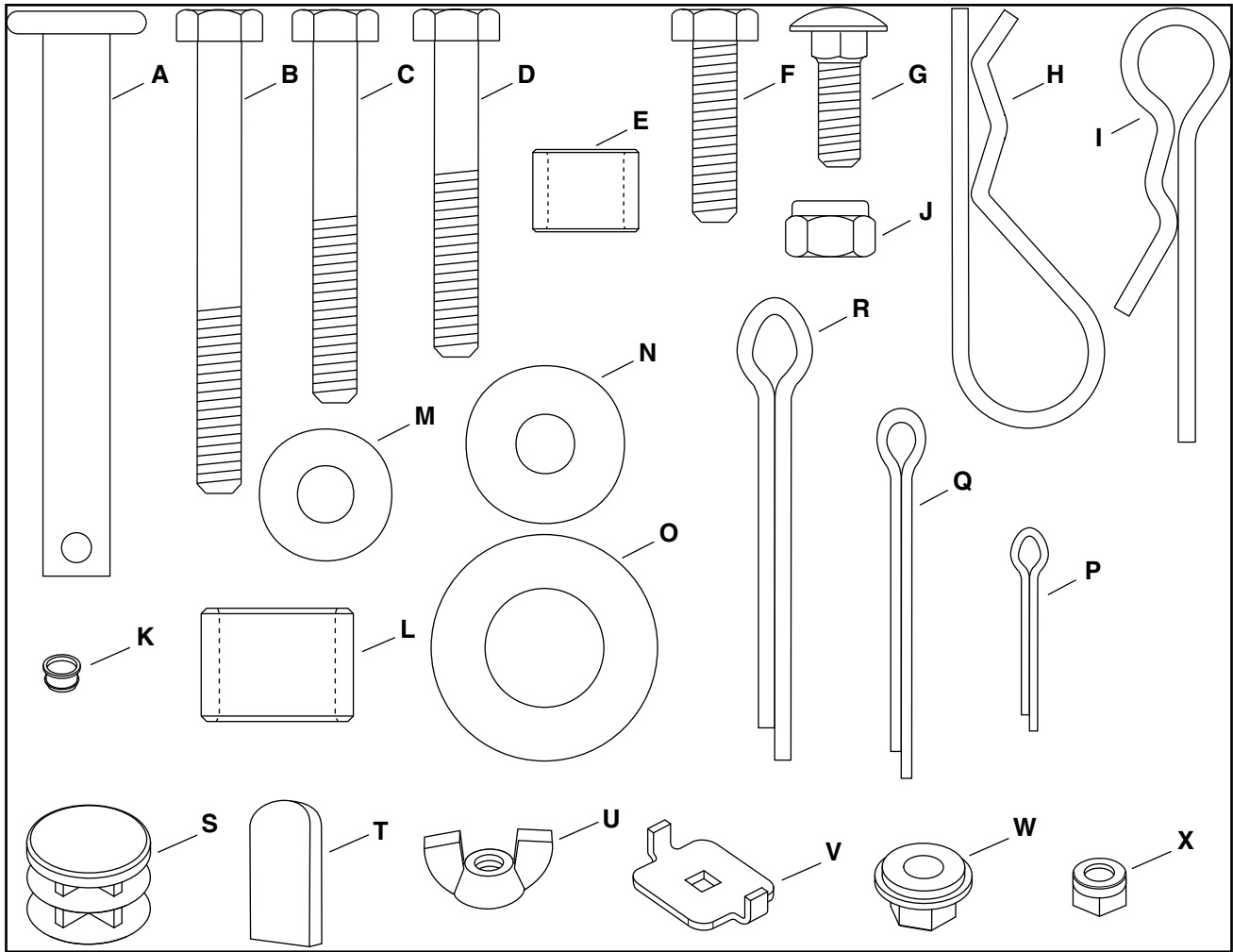
CAUTION: vehicle braking and stability may be affected with the addition of an accessory or an attachment. Be aware of changing conditions on slopes.

- Read the towing vehicle owners manual and towing vehicle safety rules. Know how to operate your tractor before using the broadcast spreader attachment.
- Read the chemical label instructions and cautions for handling and applying the chemicals purchased for spreading.
- Wear eye and hand protection when handling and when applying lawn or garden chemicals.
- Never operate tractor and spreader attachment without wearing substantial footwear, and do not allow anyone to ride or sit on spreader attachment frame.
- Never allow children to operate the tractor or spreader attachment, and do not allow adults to operate without proper instructions.
- Always begin with the transmission in first (low) gear and with the engine at low speed, and gradually increase speed as conditions permit. Maximum towing speed - 6 M.P.H.
- When towing broadcast spreader do not drive too close to a creek or ditch and be alert for holes and other hazards which could cause you to loose control of the broadcast spreader and tractor.
- Before operating vehicle on any grade (hill) refer to the safety rules in the vehicle owner's manual concerning safe operation on slopes. Stay off steep slopes!
- Follow maintenance and lubrication instructions as outlined in this manual.

CARTON CONTENTS



REF	QTY	PART NO	DESCRIPTION	REF	QTY	PART NO	DESCRIPTION
1	1	41084	Hopper	7	1	27313GY1	Cross Brace
2	2	40880G	Wheels	8	1	-----	Hitch Assembly
3	1	42009GY1	Tube, Hitch Support	9	1	-----	Flow Control Assembly
4	1	42008GY1	Tube, Hitch Support	10	1	41930	Flow Control Rod
5	2	28383GY1	Tube, Hopper Support	11	2	28329GY1	Hopper Brace
6	1	-----	Axle/Gearbox Assembly	12	1	04367	Spreader Impeller



HARDWARE PACKAGE

REF	QTY	PART NO	DESCRIPTION	REF	QTY	PART NO	DESCRIPTION
A	1	47623	Hitch Pin	N	5	1543-69	Washer, Nylon
B	2	49870	Hex Bolt, 1/4" x 2-1/2"	O	5	R19212016	Washer, 5/8"
C	4	46699	Hex Bolt, 1/4" x 2"	P	1	44101	Cotter Pin, 3/32" x 3/4"
D	6	1509-69	Hex Bolt, 1/4" x 1-3/4"	Q	2	43093	Cotter Pin, 1/8" x 1-1/2"
E	2	46847	Spacer	R	1	46855	Cotter Pin, 3/16" x 2"
F	1	43661	Hex Bolt, 1/4" x 1"	S	3	49449	Plug
G	1	44950	Carriage Bolt, 1/4" x 3/4"	T	1	43848	Grip
H	1	43343	Hairpin Cotter	U	1	47141	Wing Nut
I	1	48934	Hairpin, Agitator	V	1	24858	Adjustable Stop
J	13	47189	Hex Nut, 1/4" Nylock	W	2	45279	Hex bushing
K	1	42839	Bushing, 3/8" Plastic	X	1	44285	Hopper Bushing
L	2	45280	Spacer				
M	9	43088	Washer, 1/4"				

ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED FOR ASSEMBLY

- (1) Hammer
- (1) Pliers
- (2) 7/16" Wrenches
- (2) 1/2" Wrenches

Lay out and identify parts and hardware using the illustrations on pages 2 and 3.

STEP 1: (SEE FIGURE 1)

- Insert a plug (S) into the end of the hitch tube (8).
- Install the hitch pin (A) in the hitch bracket and hitch tube and secure it with the hairpin cotter (H).

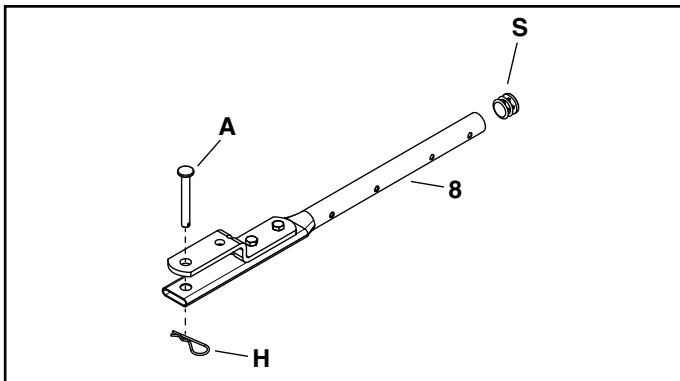


FIGURE 1

STEP 2: (SEE FIGURE 2)

- Attach the hitch support tubes (3), and (4) to the hitch tube using one 1/4" x 2" hex bolt (C) and 1/4" nylock nut (J). **Do not tighten completely.**

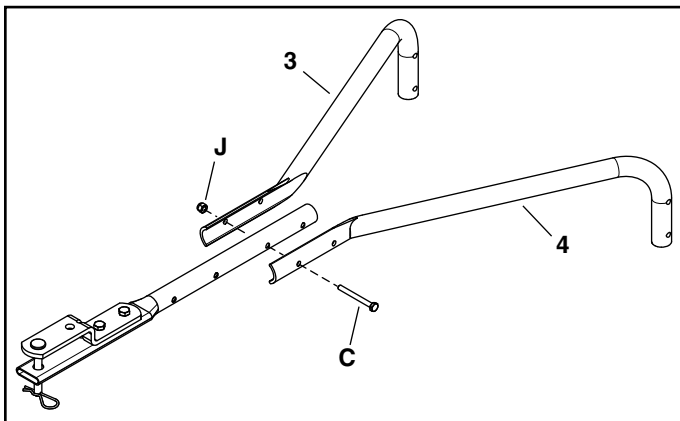


FIGURE 2

STEP 3: (SEE FIGURE 3)

- Insert the hex bushings (W) into the ends of the hopper support tubes (5).
- Assemble the axle/gearbox assembly and hopper support tubes (5) to the hitch support tubes as shown, using two 1/4" x 2" hex bolts (C), spacers (E), and 1/4" nylock nuts (J). **Do not tighten completely.**
- **Make sure to have the holes in the axle on the correct sides as shown in figure 3.**

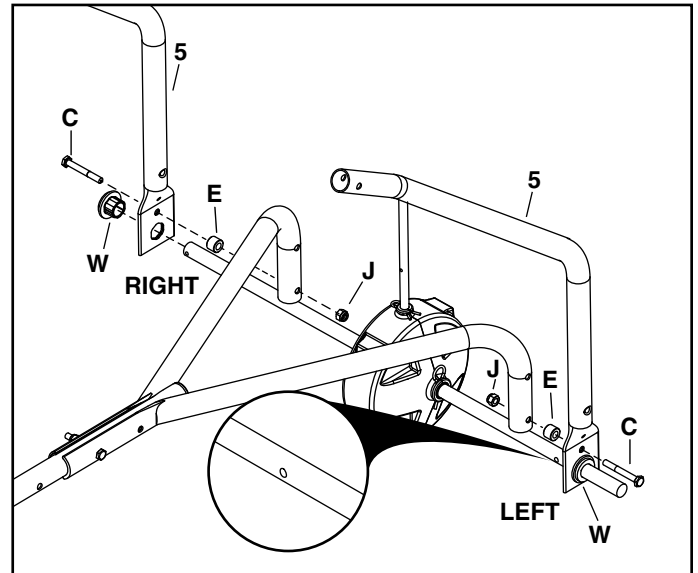


FIGURE 3

STEP 4: (SEE FIGURE 4)

- Insert the bushing (Y) into the cross brace (7).
- Attach the cross brace to the hopper support tubes using two 1/4" x 2-1/2" hex bolts (B) and 1/4" nylock nuts (J). **Do not tighten completely.**

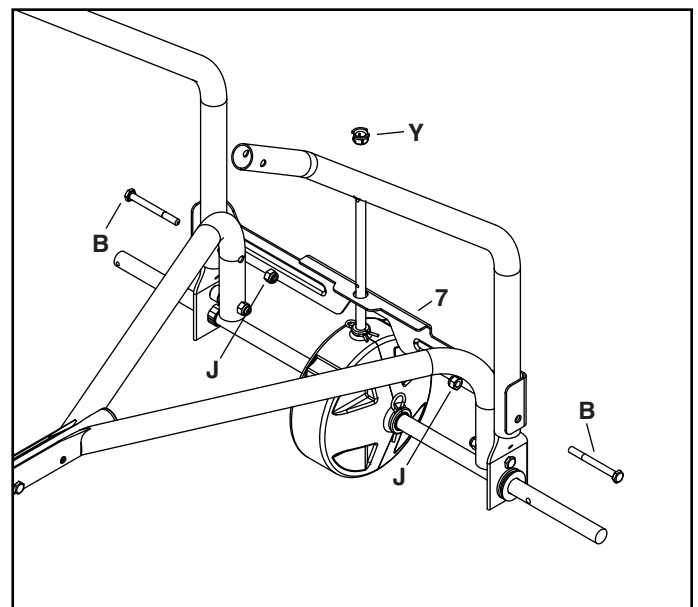


FIGURE 4

STEP 5: (SEE FIGURE 5)

- Insert plugs (S) into the ends of the hopper support tubes (5).

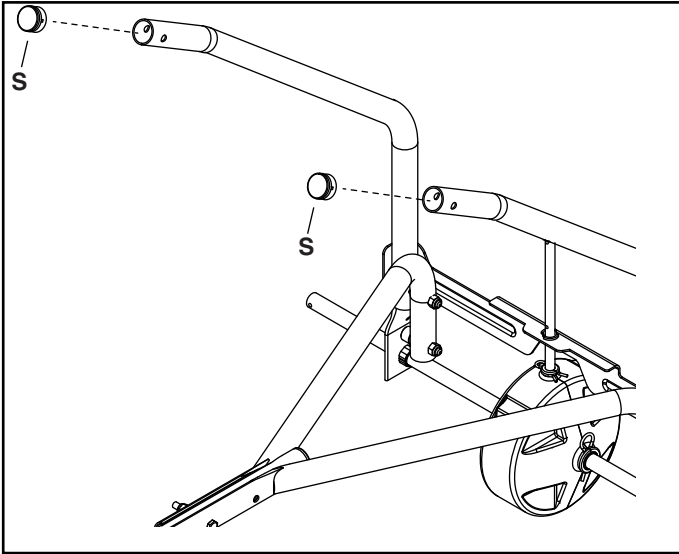


FIGURE 5

STEP 7: (SEE FIGURE 7)

- Place the hopper on the hopper support tubes, inserting the spreader shaft up through the square hole in the bottom of the hopper.
- Slide the hopper bushing (X) onto the spreader shaft and insert it into the bottom of the hopper.
- Install the agitator hairpin (I) in the spreader shaft.

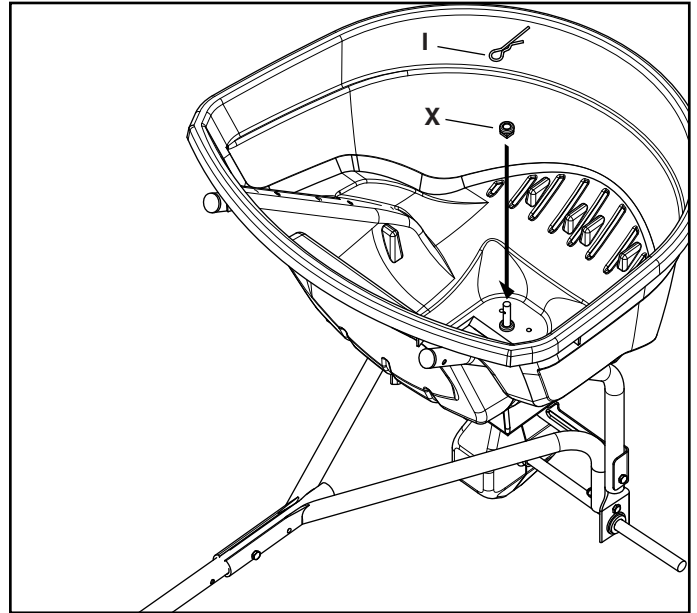


FIGURE 7

STEP 6: (SEE FIGURE 6)

- Slide the spreader impeller (12) onto the spreader shaft and secure it with a 1/8" x 1-1/2" cotter pin (Q) by spreading the ends of the pin.

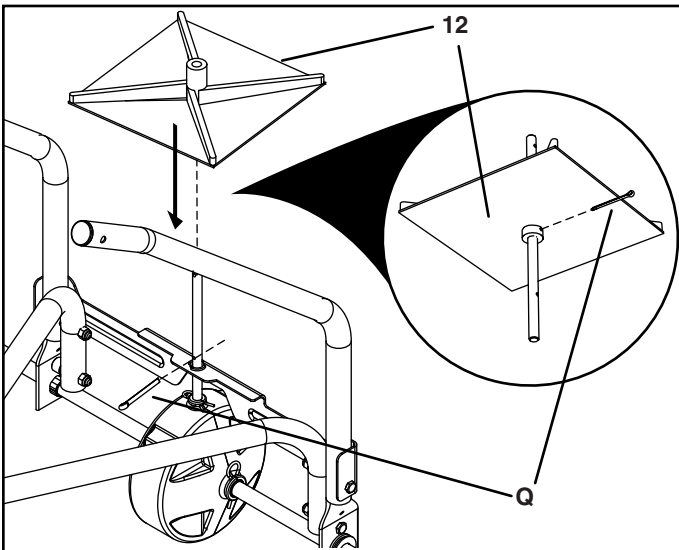


FIGURE 6

STEP 8: (SEE FIGURE 8)

- Attach the hopper to the **UPPER SET** of holes in the hopper support tubes using four 1/4" x 1-3/4" hex bolts (D), 1/4" washers (M), nylon washers (N) and 1/4" nylock nuts (J). **Make only finger tight.**
- Insert the 1/4" x 1" hex bolt (F) into the hole in the bottom of the hopper, pressing the head of the bolt into the hex shaped recess of the hole. Install a 1/4" nylock nut (J) onto the bolt and **tighten.**

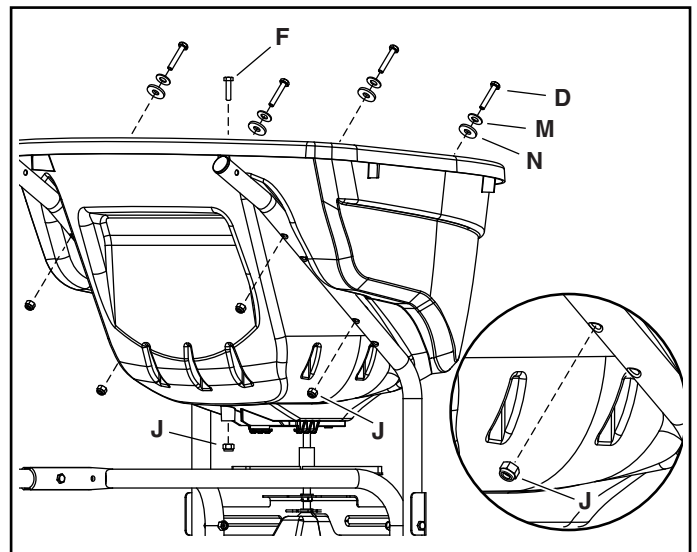


FIGURE 8

STEP 9: (SEE FIGURE 9)

- Install the grip (T) onto the flow control arm.
- Assemble the adjustable stop (V) to the flow control bracket using the 1/4" x 3/4" carriage bolt (G), nylon washer (N) and wing nut (U).

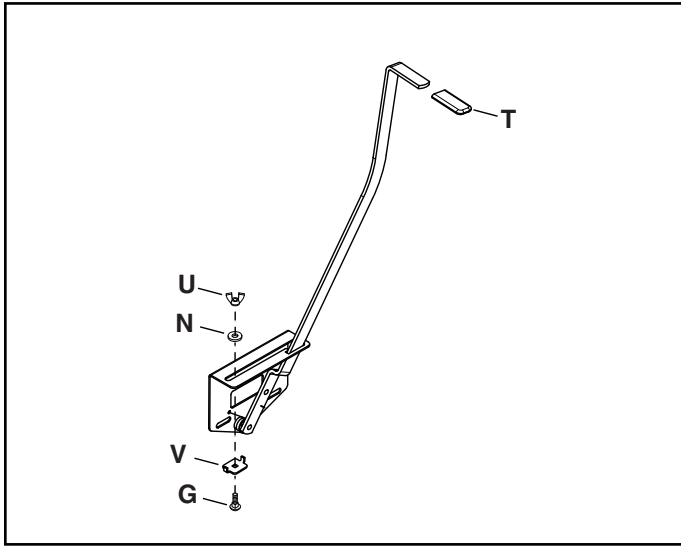


FIGURE 9

STEP 11: (SEE FIGURE 11)

- Install the end of the flow control rod (10) with no hole into the elongated hole in the flow plate on the bottom of the hopper. Lock the rod in the flow plate by rotating the rod.

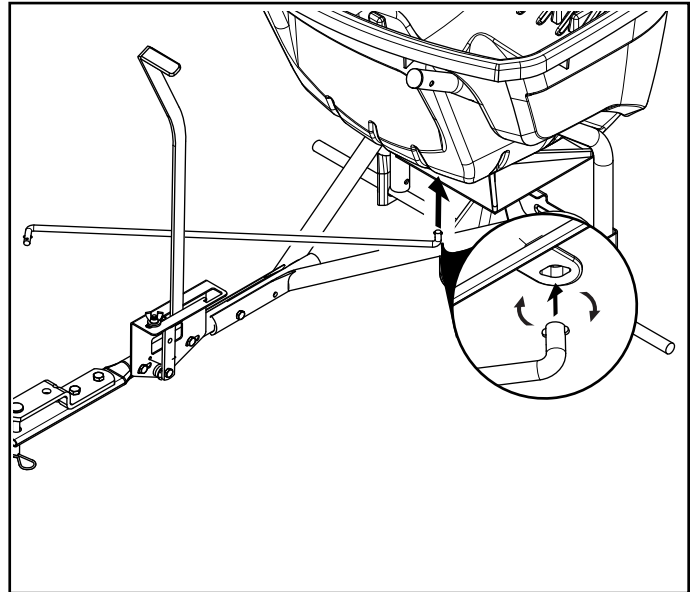


FIGURE 11

STEP 10: (SEE FIGURE 10)

- Attach the flow control bracket to the hitch tube using two 1/4" x 1-3/4" hex bolts (D), four 1/4" washers (M) and two 1/4" nylock nuts (J). **Do not tighten completely.**

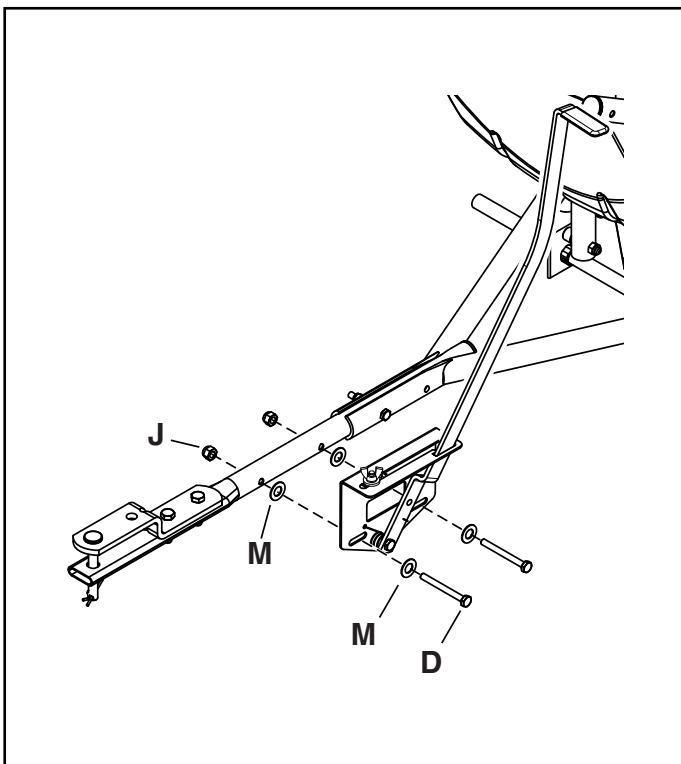


FIGURE 10

STEP 12: (SEE FIGURE 12)

- Swing the flow control rod around and insert the end of the rod into the flow control arm. Secure it with a 1/4" washer (M) and a 3/32" x 3/4" cotter pin (P) by spreading the ends of the pin.

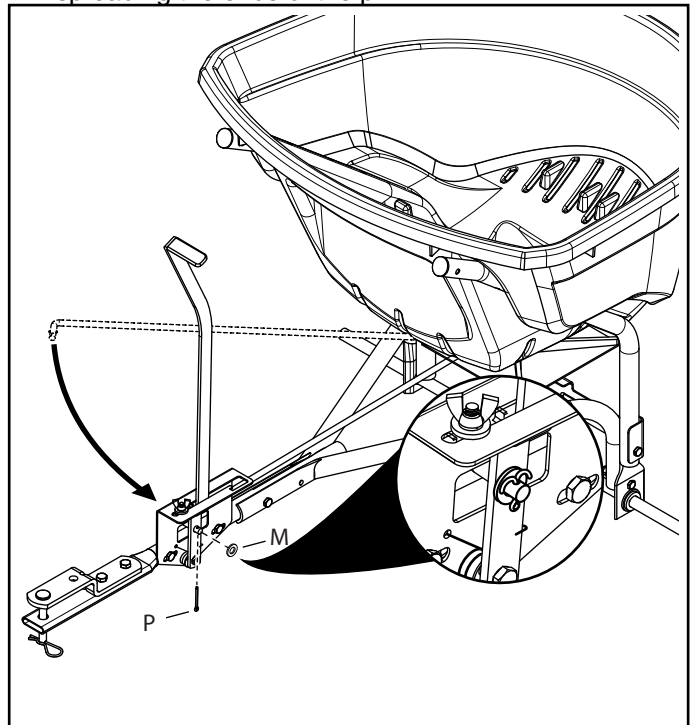


FIGURE 12

STEP 13: (SEE FIGURE 13)

- Fasten the hopper braces (11) to the hopper support tubes using the nylock nuts (J) that were assembled earlier. **Do not tighten completely.**
- Fasten the loose ends of the hopper braces to the hitch tube using a 1/4" x 2" hex bolt (C) and a 1/4" nylock nut (J). **Do not tighten completely.**

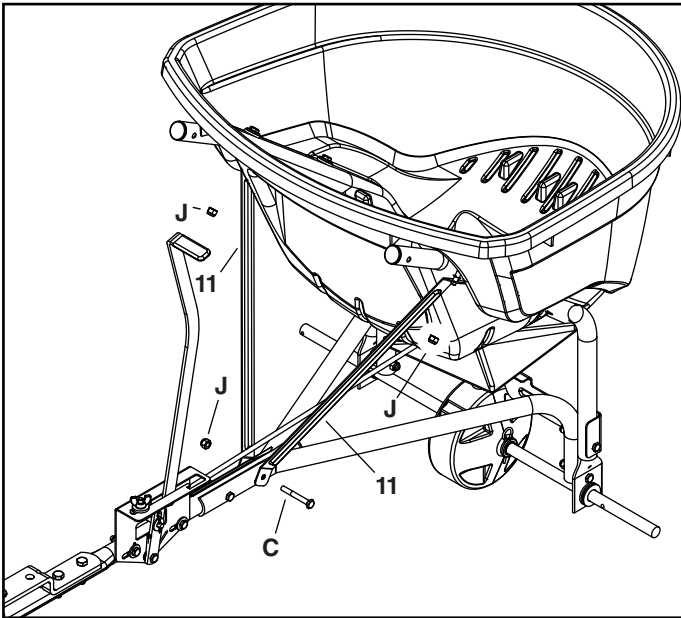


FIGURE 13

STEP 14:

- **Tighten** all bolts and nuts **except** for those shown in step 10 that fasten the control bracket to the hitch tube.

STEP 15: (SEE FIGURE 14)

- Slide a 5/8" washer (O), a spacer (L), a 5/8" washer, and a wheel onto the end of the axle.
- Slide a cotter pin (R) through the hole in the wheel and through the axle. Bend the ends of the cotter pin to secure.

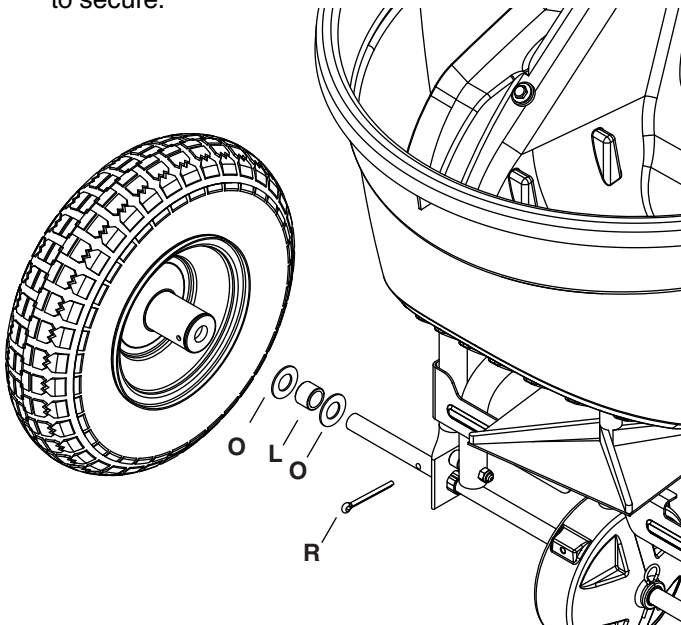


FIGURE 14

STEP 16: (SEE FIGURE 15)

- Slide a 5/8" washer (O), a spacer (L), a 5/8" washer (O) a wheel, and a 5/8" washer onto the end of the axle.
- Secure the wheel to the axle with a cotter pin (Q), spreading both ends of the cotter pin.

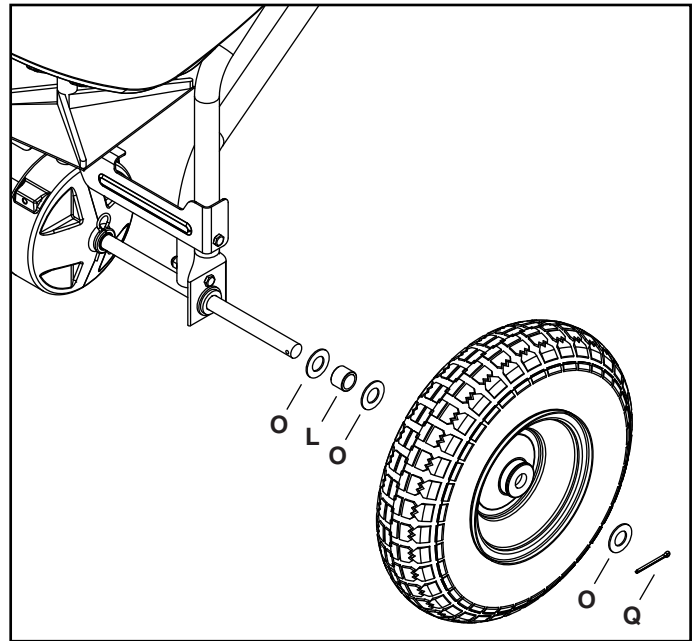


FIGURE 15

STEP 17: (SEE FIGURE 16)

- Set the adjustable stop at "5" and move the control handle back against it.
- Slide the control bracket along the hitch tube until the flow plate in the bottom of the hopper is open half way.
- Tighten the bolts and nuts fastening the control bracket. **Do not deform** the control bracket.
- Make sure the flow plate will open and close all the way. Readjust if necessary.

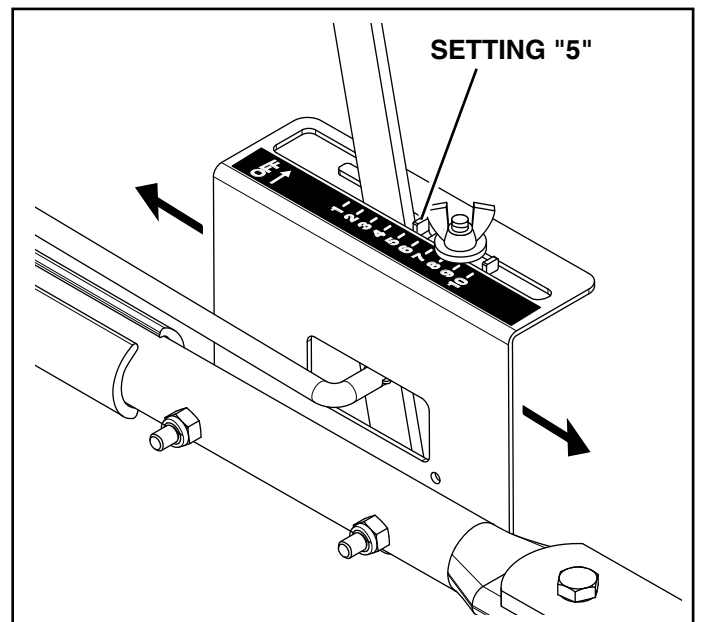


FIGURE 16

OPERATION

HOW TO USE YOUR SPREADER

SETTING THE FLOW CONTROL

(Refer to figure 16 on page 7.)

1. Loosen the wing nut, set the adjustable stop to the desired flow rate setting and retighten the wing nut. The higher the setting number, the wider the opening in the bottom of the hopper.
2. Refer to the application chart on this page and to the instructions on the fertilizer bag to select the proper flow rate setting.
3. Pull the flow control arm against the adjustable stop for the on position. Push the flow control arm toward the hopper and then over into the locking notch for the off position.

USING YOUR SPREADER

IMPORTANT: Do not exceed 6 mph. Speeds above 6 mph may cause excessive wear of the spreader gears.

We do not recommend the use of any powdered lawn chemicals, due to difficulty in obtaining a satisfactory or consistent broadcast pattern.

1. Determine approximate square footage of area to be covered and estimate amount of material required.
2. Make sure the flow plate is closed.
3. Fill the hopper, breaking up any lumpy fertilizer.
4. Refer to the instructions on the fertilizer bag and to the application chart on this page to set the adjustable stop to the proper flow rate setting. The application chart is calculated for light to heavy application at a vehicle speed of 3 mph, or 100 ft. in 23 seconds. A variation in speed will require an adjustment of the flow rate to maintain the same coverage. The broadcast width may increase as speed increases. **Do not exceed 6 mph.**
5. Always start the tractor in motion before opening the flow plate.
6. Always close the flow plate before turning or stopping the tractor.
7. 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.
8. To insure uniform coverage, make each pass so that the broadcast pattern slightly overlaps the pattern from the previous pass as shown in figure 17. The approximate broadcast widths for different materials are shown in the application chart on this page.
9. When broadcasting weed control fertilizers, make sure the broadcast pattern does not hit evergreen trees, flowers or shrubs.

10. Heavy moisture conditions may require use of a vinyl hopper cover to keep contents dry. The cover acts as a wind and moisture shield, but should not be used as a rain cover.

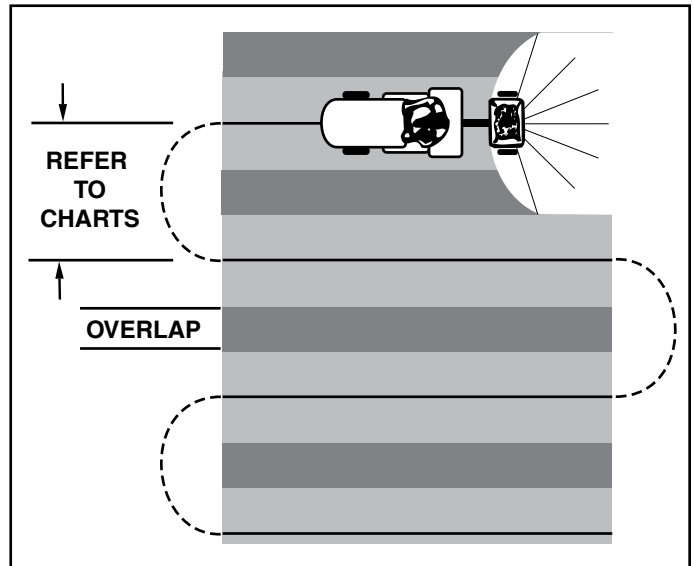


FIGURE 17

IMPORTANT: Application rates shown in the chart are affected by humidity and by the moisture content of the material (granular and pellet). Some minor setting adjustments may be necessary to compensate for this condition.

APPLICATION CHART

MATERIAL TYPE	FLOW SETTING	SPREAD WIDTH
<i>FERTILIZER</i>		
Granular	3 - 5	8' - 10'
Pelleted	3 - 5	10' - 12'
Organic	6 - 8	6' - 8'
<i>GRASS SEED</i>		
Fine	3 - 4	6' - 7'
Coarse	4 - 5	8' - 9'
<i>ICE MELTER</i>	6 - 8	10' - 12'

OPERATING SPEED - 3 MPH. (100 ft. in 23 seconds)

MAINTENANCE

CHECK FOR LOOSE FASTENERS

1. Before each use, make a thorough visual check of the spreader for any bolts and nuts which may have loosened. Retighten any loose bolts and nuts.

CHECK FOR WORN OR DAMAGED PARTS

2. Check for worn or damaged parts before each use. Repair or replace parts if necessary.

CHECK TIRE INFLATION

3. Check if tires are adequately inflated before each use. Do not inflate tires beyond maximum recommended pressure on tire.



CAUTION: DO NOT inflate tires beyond the maximum recommended pressure printed on side of tire.

CLEANING

4. Rinse inside of hopper and exterior of spreader and allow to dry before storing.

LUBRICATE (See figure 18)

5. Remove the three clips from the gear box and separate the gearbox housings.
6. Lightly apply automotive grease as needed to the gears.
7. Lightly oil the top of the gear box and the vertical spreader shaft.
8. Re-assemble the gearbox housings and secure them with the clips.
9. Oil the (idler) wheel and the axle bushings at least once a year or more often as needed.

STORAGE

1. Rinse inside of hopper and exterior of spreader and allow to dry before storing.
2. Store in a clean, dry area.

NOTE: Cross brace and gear housing not shown for clarity.

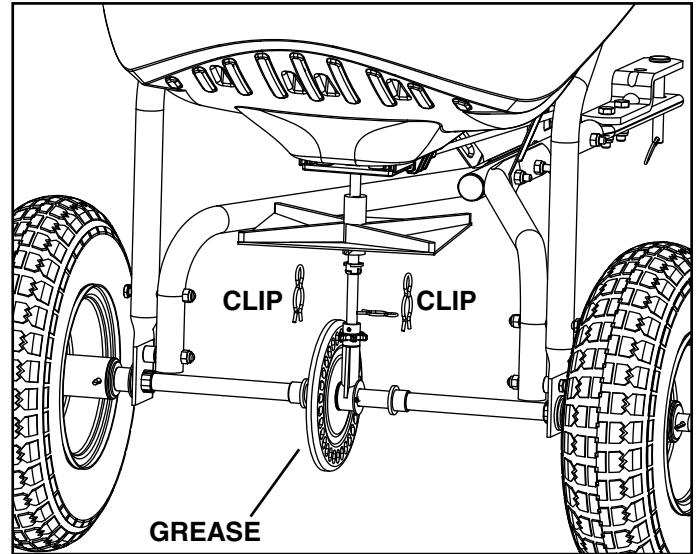
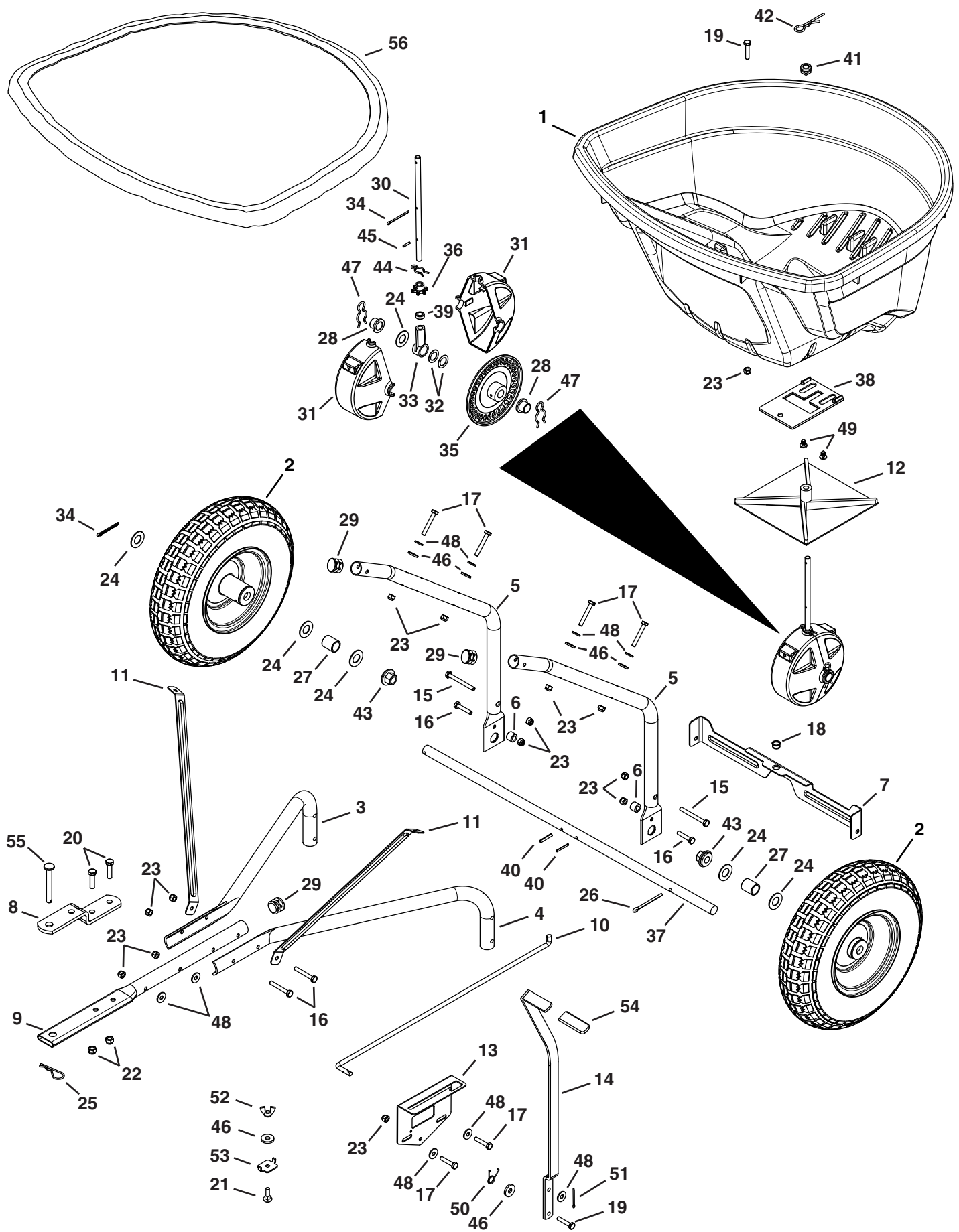


FIGURE 18



REF	QTY	PART NO	DESCRIPTION	REF	QTY	PART NO	DESCRIPTION
1	1	41084	Hopper	31	2	42497	Housing, Transmission
2	2	40880G	Wheel	32	2	44125	Washer, .625 x 1.0 x .03
3	1	42009GY1	Tube, Hitch Support	33	1	45753	Axle Shaft Bushing
4	1	42008GY1	Tube, Hitch Support	34	2	43093	Cotter Pin, 1/8 x 1-1/2
5	2	28383GY1	Tube, Hopper Support	35	1	64735	Assembly, Gear
6	2	46847	Spacer	36	1	44468	Sprocket
7	1	27313GY1	Cross Brace	37	1	28612	Axle
8	1	23687BL1	Bracket, Hitch	38	1	45344	Plate, Flow
9	1	41937GY1	Tube, Hitch	39	1	23625	Spacer
10	1	41930	Rod, Flow Control	40	2	44665	Pin, Spring
11	2	28329GY1	Brace, Hopper	41	1	44285	Bushing, Hopper Bottom Black
12	1	04367	Spreader Impeller	42	1	48934	Hairpin, Agitator
13	1	27322BL1	Bracket, Flow Control Mount	43	2	45279	Hex bushing Flange
14	1	27314BL3	Arm, Flow Control	44	1	49898	Clip, Hairpin 5/8
15	2	49870	Bolt, Hex 1/4-20 x 2-1/2	45	1	48350	Pin, Spring
16	4	46699	Bolt, Hex 1/4-20 x 2	46	6	1543-69	Washer, Nylon .3281 x .75
17	6	1509-69	Bolt, Hex 1/4-20 x 1-3/4	47	2	49897	Clip, Hairpin 7/8
18	1	42839	Bushing, 3/8" Plastic	48	9	43088	Washer, 1/4 Std .312 x .734
19	2	43661	Bolt, Hex 1/4-20 x 1	49	2	48402	Plug, 1/4"
20	2	43840	Bolt, Hex 5/16-18 x 1-1/4	50	1	42347	Spring, Torsion
21	1	44950	Bolt, Carriage 1/4-20 x 3/4	51	1	44101	Pin, Cotter 3/32 X 3/4
22	2	47810	Nut, Hex 5/16-18 Nylock	52	1	47141	Nut, Wing 1/4-20
23	14	47189	Nut, Hex 1/4-20 Nylock	53	1	24858	Stop, Adjustable
24	6	R19212016	Washer, .6562 x 1.25 x .0598	54	1	43848	Grip
25	1	43343	Pin, Hair Cotter 3/32 x 2-5/16	55	1	47623	Pin, Hitch 3/8" x 3" Flat Hd
26	1	46855	Pin, Cotter 3/16 x 2	56	1	41316	Vinyl Cover
27	2	45280	Spacer, .64 ID x .88 OD x .625		1	3-37	Owners Manual
28	2	741-0249	Flanged Bearing				
29	3	49449	Plug, 1" Tube				
30	1	28323	Shaft, Spreader				

