

OWNERS MANUAL

**Model No.
45-02151**

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully

- Assembly
- Operation
- Maintenance
- Repair Parts



BROADCAST SPREADER 100 (TOW)

RULES FOR SAFE OPERATION

Remember, any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment.



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS -- ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.



VEHICLE BRAKING AND STABILITY MAY BE AFFECTED WITH THE ADDITION OF AN ACCESSORY OR AN ATTACHMENT. BE AWARE OF CHANGING CONDITIONS ON SLOPES.

Exercise caution at all times when using power equipment.

1. Read the towing vehicle owners manual and towing vehicle safety rules. Know how to operate your tractor before using the broadcast spreader attachment.
2. Read the chemical label instructions and cautions for handling and applying the chemicals purchased for spreading.
3. Wear eye and hand protection when handling and when applying lawn or garden chemicals.
4. Never operate tractor and spreader attachment without wearing substantial footwear, and do not allow anyone to ride or sit on spreader attachment frame.
5. Never allow children to operate the tractor or spreader attachment, and do not allow adults to operate without proper instructions.
6. 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 - 10 M.P.H.
7. 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.
8. 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!**
9. Follow maintenance and lubrication instructions as outlined in this manual.

Your broadcast spreader carton contains parts as shown in figure 1. The hardware package contains parts shown in figure 2 on page 3. Identify all parts and layout as shown in figures 1 and 2.

CARTON CONTENTS

LOOSE PARTS IN CARTON

- | | |
|-------------------------------|----------------------------------|
| 1. Hitch Tube | 6. Flow Control Rod |
| 2. Braces (2) | 7. Hitch Bracket |
| 3. Flow Control Mount Bracket | 8. Wheels (2) |
| 4. Flow Control Gauge | 9. Hopper Assembly |
| 5. Flow Control Arm | 10. Hardware Package (not shown) |

CARTON CONTENTS

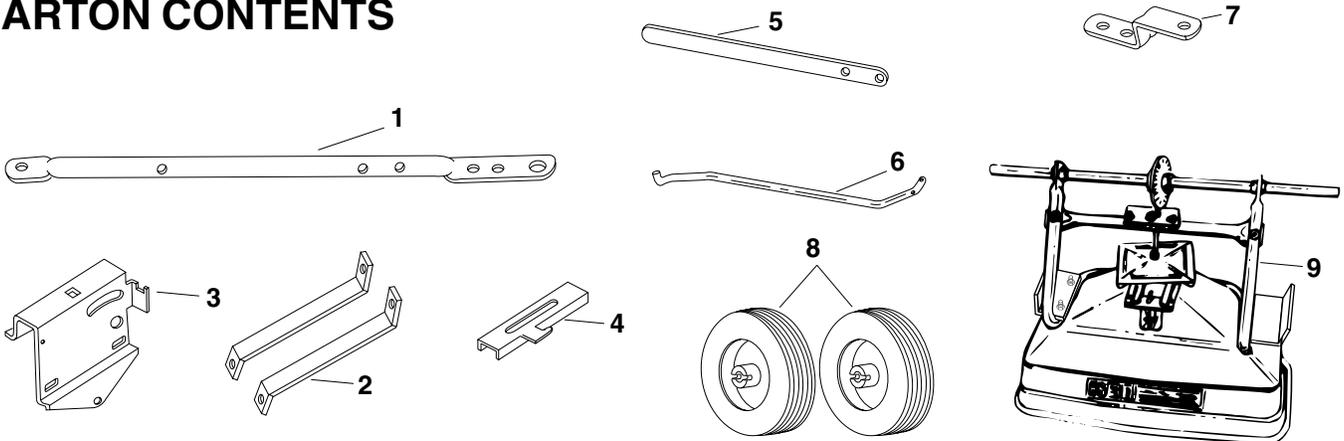


FIGURE 1

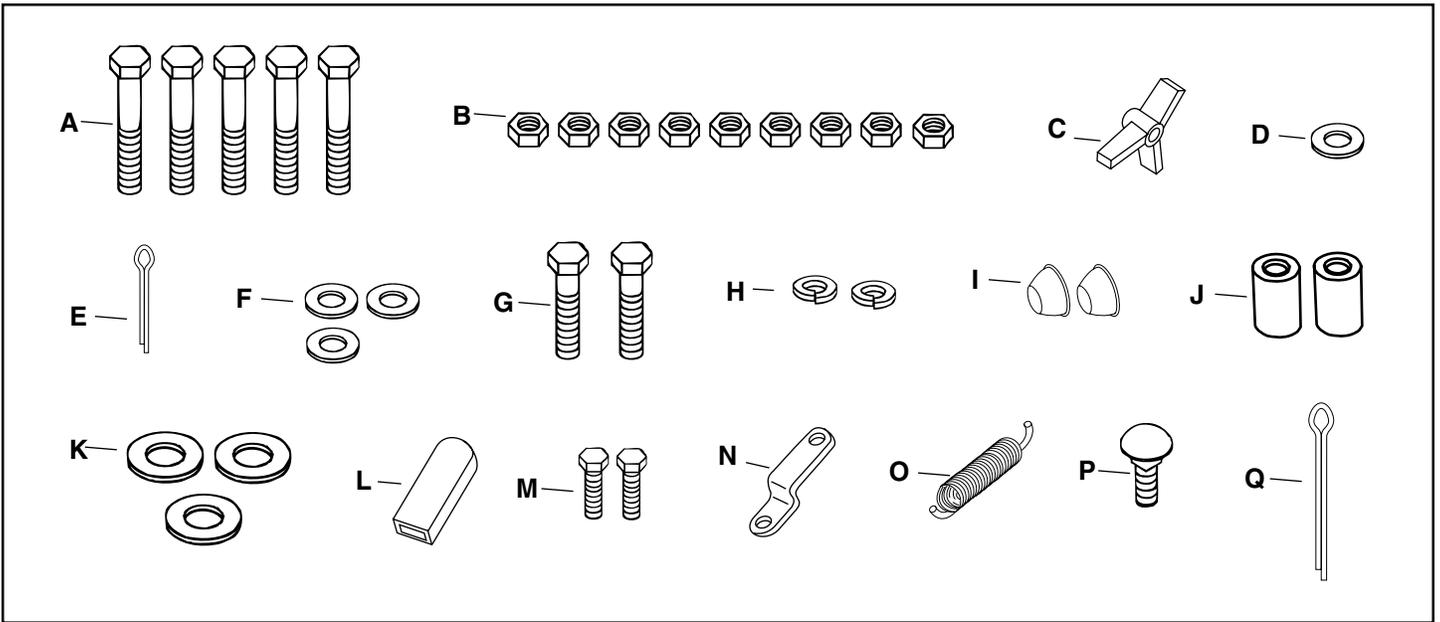
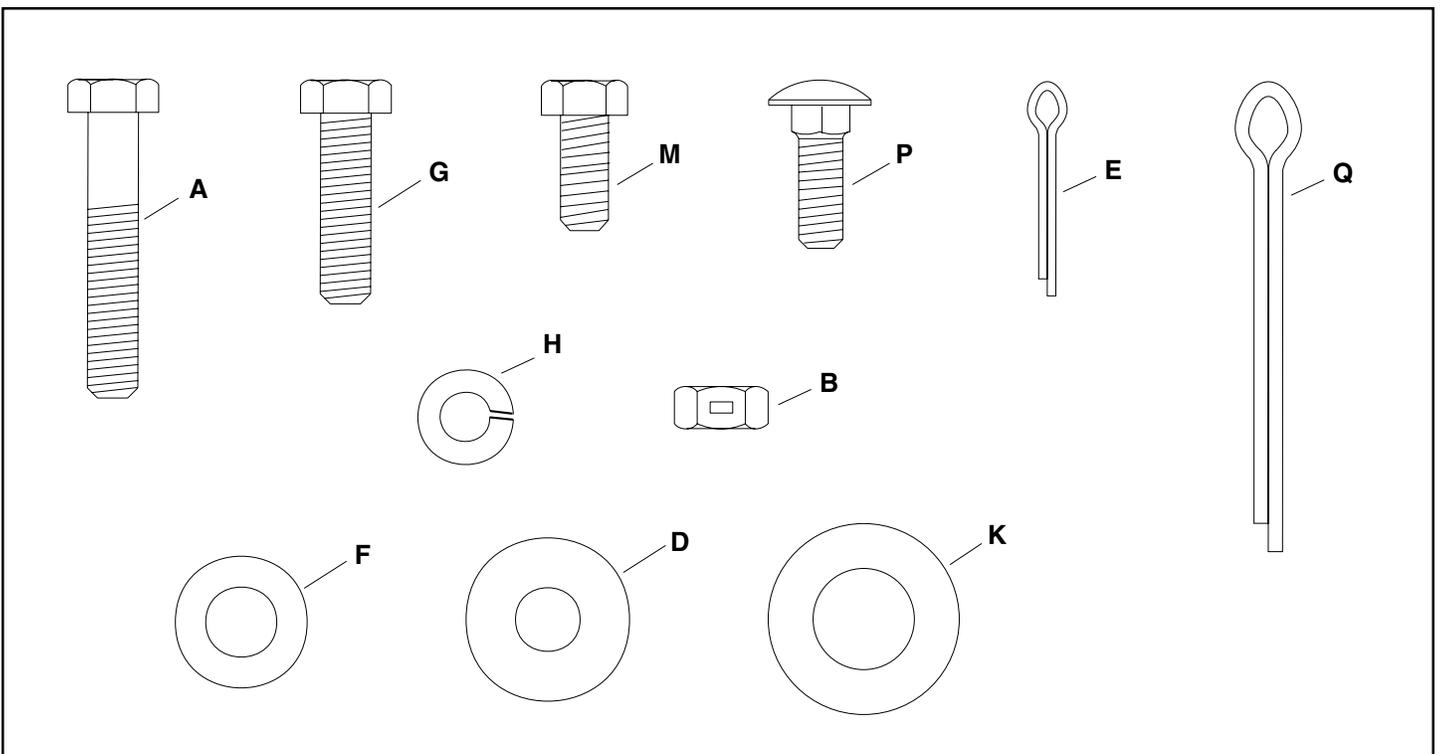


FIGURE 2 - HARDWARE PACKAGE

KEY	QTY.	DESCRIPTION	KEY	QTY.	DESCRIPTION
A	5	Hex Bolt 1/4-20 x 1-1/2" Long	J	2	Spacers
B	9	Hex Lock Nuts 1/4-20 Thread	K	3	Flat Washers 1/2"
C	1	Hand Knob	L	1	Grip
D	1	Nylon Washer	M	2	Hex Bolt 1/4-20 x 5/8" Long
E	1	Cotter Pin 3/32" x 3/4" Long	N	1	Flow Control Link
F	3	Flat Washer 5/16"	O	1	Extension Spring
G	2	Hex Bolts 1/4-20 x 1" Long	P	1	Carriage Bolt, 1/4-20 x 3/4" Long
H	2	Lock Washers 1/4" I.D.	Q	1	Cotter Pin, 5/32" x 2" Long
I	2	Hub Caps			



FULL SIZE HARDWARE REFERENCE CHART

ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED FOR ASSEMBLY

- (1) Pliers
 - (2) 7/16" Open or Box End Wrenches
 - (2) 1/2" Open or Box End Wrenches
 - (1) Small Hammer
1. Remove the spreader, loose parts and hardware package from the carton. See figure 1 and 2.
 2. Turn the spreader upside down as shown in figure 3, so that it rests on the hopper.
 3. Remove the 1/4" hex bolt, flat washer and hex lock nut from the center of the crossover tube and shaft support plate. See figure 3.

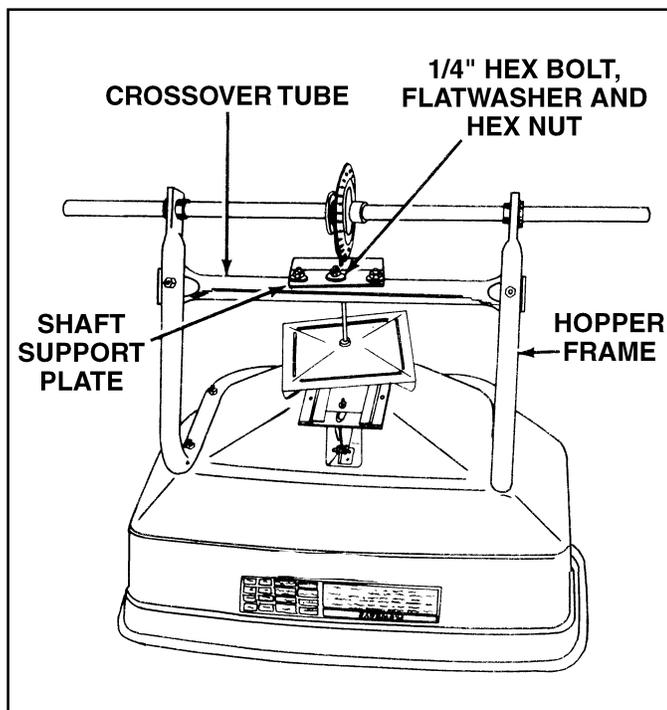


FIGURE 3

4. Assemble the two hitch braces to the inside of the hopper frame, one on each side, using two 1/4" x 1-1/2" hex bolts and two 1/4" hex lock nuts. See figure 4. **DO NOT TIGHTEN AT THIS TIME.**
5. Assemble short end of hitch tube to the crossover tube (on opposite side from shaft support plate). Fasten to the center hole in the crossover tube using the 1/4" x 1-1/2" hex bolt, the 1/4" flat washer and the 1/4" hex lock nut removed in step 3. See figures 3 and 4. **DO NOT TIGHTEN AT THIS TIME.**

6. Align the holes in the ends of the two hitch braces with the nearest hole in the hitch tube. Fasten with a 1/4" x 1-1/2" hex bolt and a 1/4" hex lock nut. See figure 4. **DO NOT TIGHTEN AT THIS TIME.**

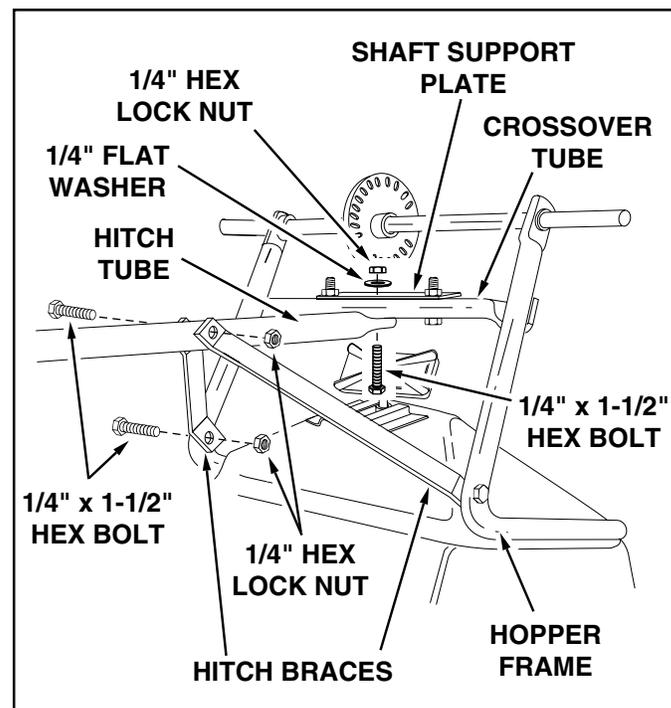


FIGURE 4

7. Tighten all hex nuts and bolts, following the same sequence as assembled in steps 4, 5 and 6. **DO NOT COLLAPSE TUBE WHEN TIGHTENING.**
8. Assemble a spacer and then a 1/2" flat washer onto each end of the axle. See figure 5.

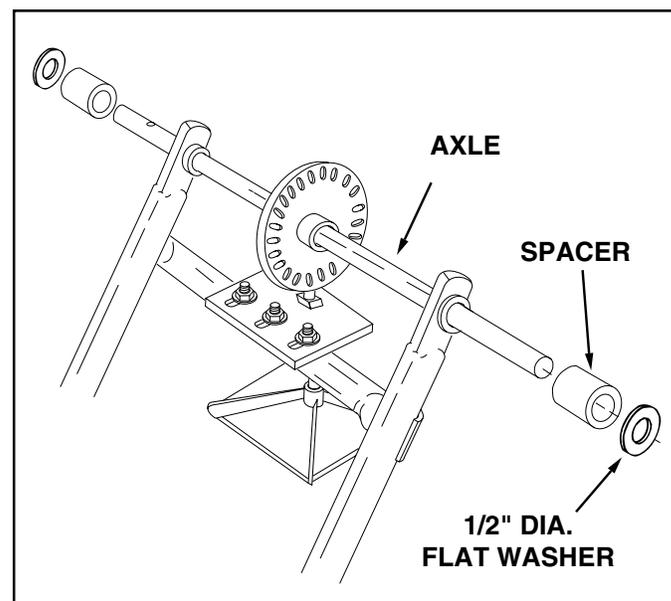


FIGURE 5

9. Place a wheel (long end of hub first) onto the end of the axle that has no cross hole. See figure 6.
10. Place a 1/2" flat washer onto the axle and then lightly tap a hub cap onto the axle until it is snug against the washer and wheel hub. See figure 6.

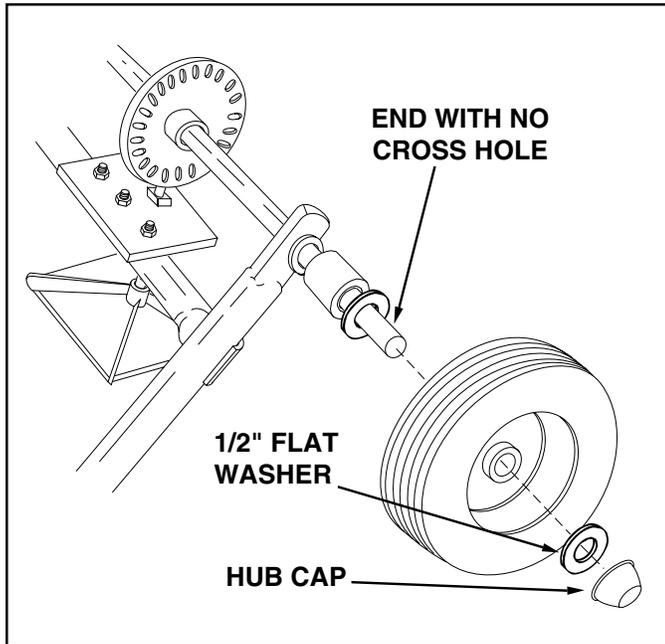


FIGURE 6

11. Place a wheel onto the end of the axle that has a cross hole. The long end of the hub goes to the inside. See figure 7.
12. Assemble a 5/32" x 2" cotter pin through the notched wheel hub and the axle. See figure 7.
13. Place a hub cap onto the end of the axle. Using a small hammer, lightly tap the hub cap until it is snug against the wheel. See figure 7.

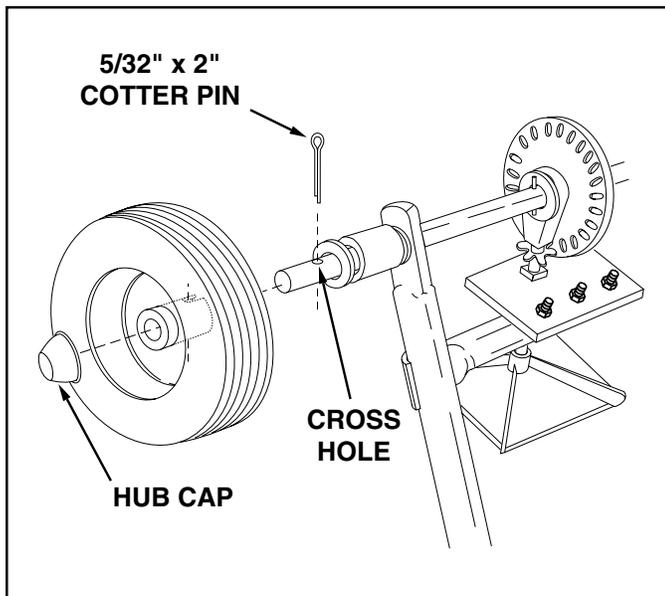


FIGURE 7

14. In order to assemble the hitch bracket to the hitch tube, turn the spreader upright on its wheels. Assemble the bracket to the top of the hitch using two 1/4" x 1" hex bolts, 1/4" lock washers and 1/4" hex lock nuts. See figure 8.

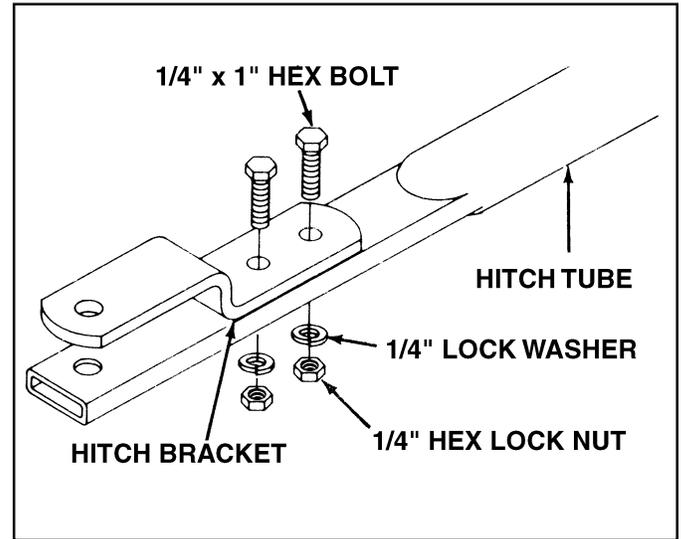


FIGURE 8

15. Assemble the flow control link (end with small hole) to the flow control arm using one 1/4" x 5/8" hex bolt and one 1/4" hex lock nut. See figure 9. **DO NOT OVERTIGHTEN.** The flow control link must pivot freely.
16. Place the vinyl grip on the flow control arm. See figure 9.

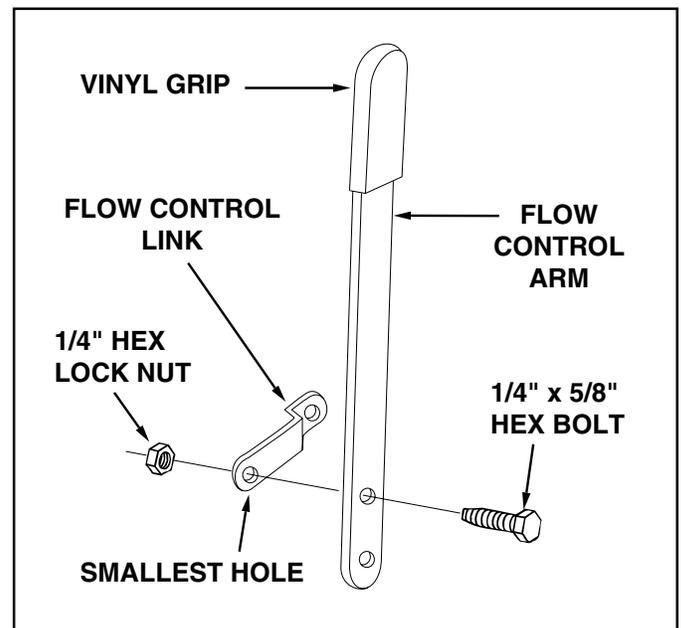


FIGURE 9

17. Assemble the flow control arm to the flow control mounting bracket using one 1/4" x 5/8" hex bolt and one 1/4" hex lock nut. See figure 10. **DO NOT OVER TIGHTEN.** The flow control arm must pivot freely.
18. Hook one end of the extension spring through the small hole near the bend in the flow control rod. Hook the other end through the hole in the flow control mounting bracket. See figure 10.

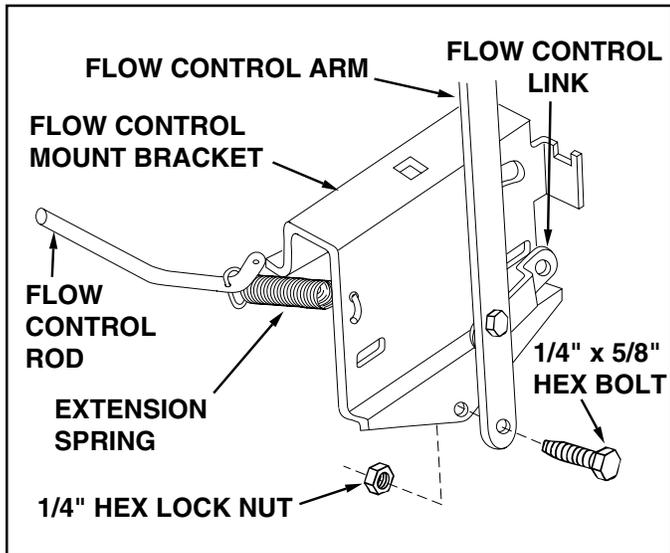


FIGURE 10

19. Place a 5/16" flat washer over the end of the flow control rod. Insert the end of the rod through the slot in the flow control mounting bracket and through the hole in the flow control link. Secure with a 3/32" x 3/4" cotter pin. See figure 11.

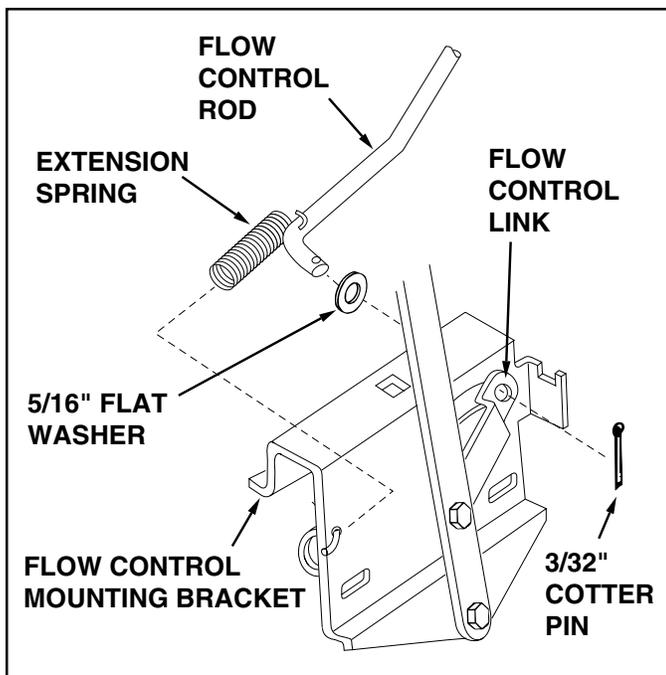


FIGURE 11

20. Hook free end of flow control rod through hole in slide gate bracket located near bottom of hopper. See figure 12.

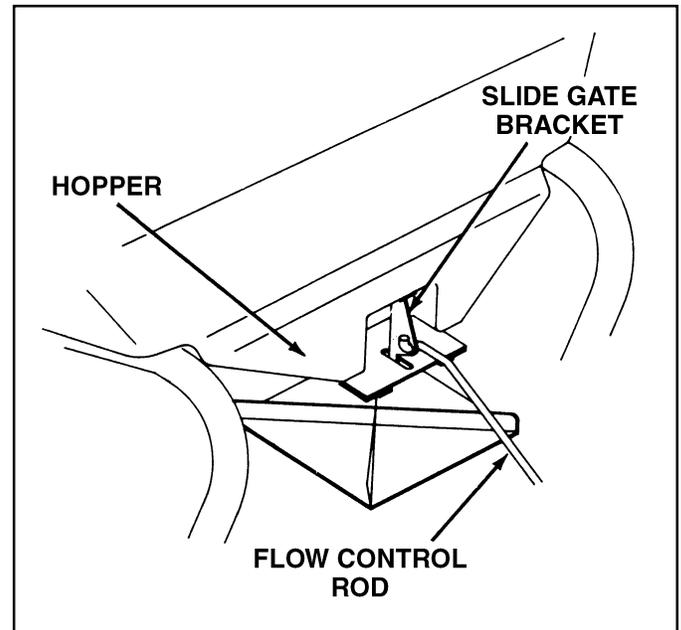


FIGURE 12

21. Assemble the flow control mounting bracket to the hitch tube using two 1/4" x 1-3/4" hex bolts, two 5/16" flat washers and two 1/4" hex lock nuts. **DO NOT TIGHTEN AT THIS TIME.** See figure 13.

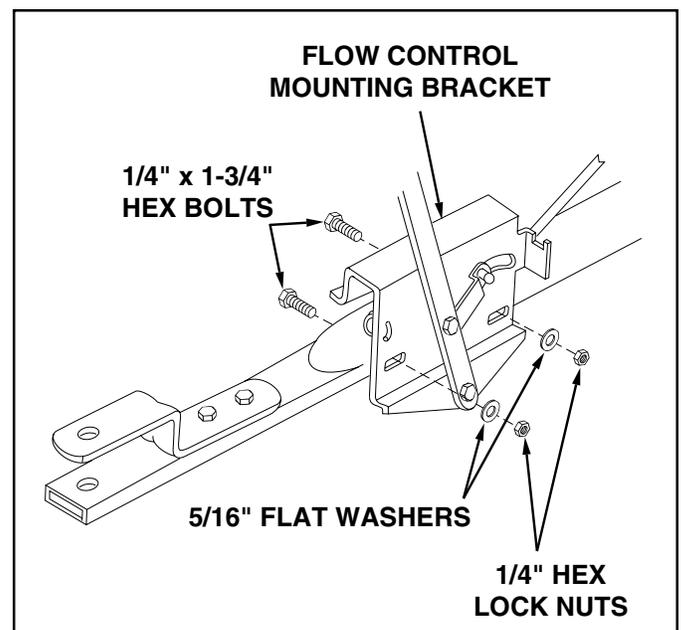


FIGURE 13

22. Assemble the flow control gauge onto the flow control mounting bracket using a 1/4" x 3/4" carriage bolt, a nylon washer and the plastic hand knob. See figure 14.

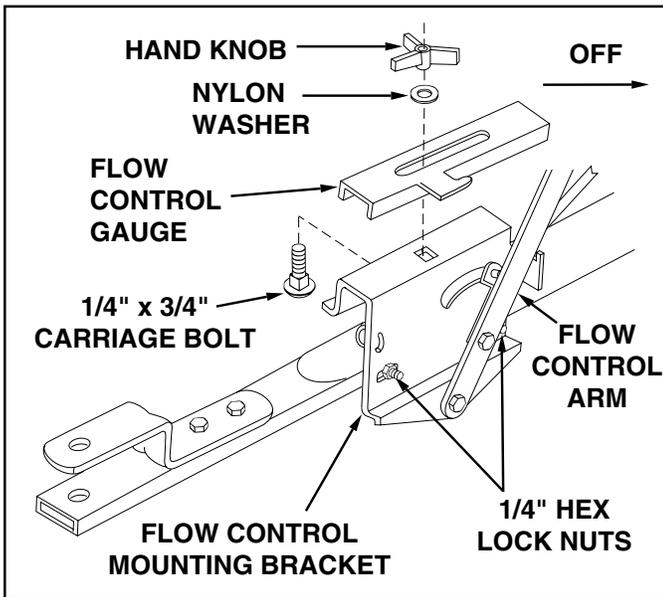


FIGURE 14

23. Move the flow control arm to the off position and slide the flow control mounting bracket toward the hopper until the closure plate (located in bottom of hopper) is completely closed. Lightly tighten the 1/4" lock nuts assembled in step 21. Set the flow control gauge at "5" and pull back on the flow control arm. Verify that the closure plate in bottom of hopper has opened half way. Readjust as necessary. **Tighten** the 1/4" lock nuts.
24. Before operating the spreader, pre-lubricate per the lubrication instructions on page 9.



FIGURE 18

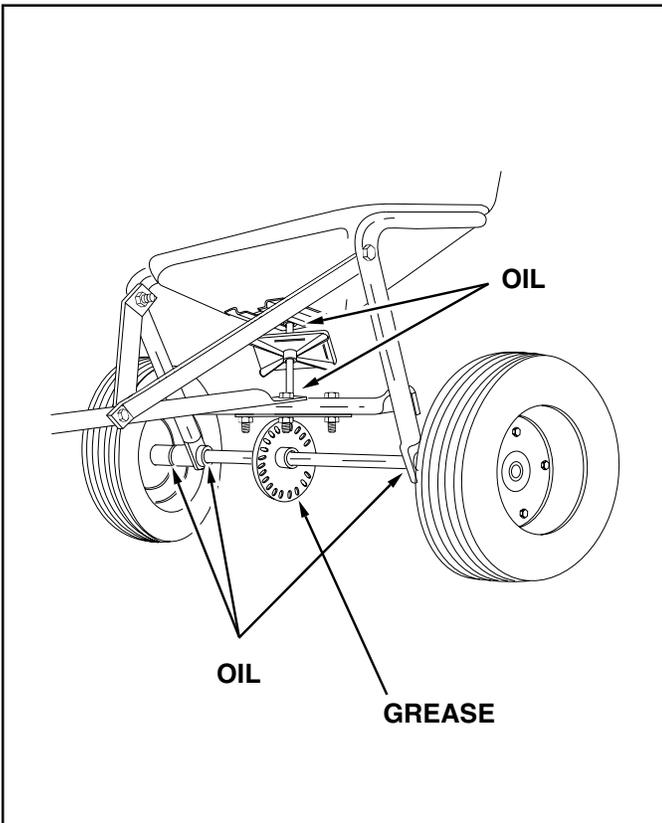
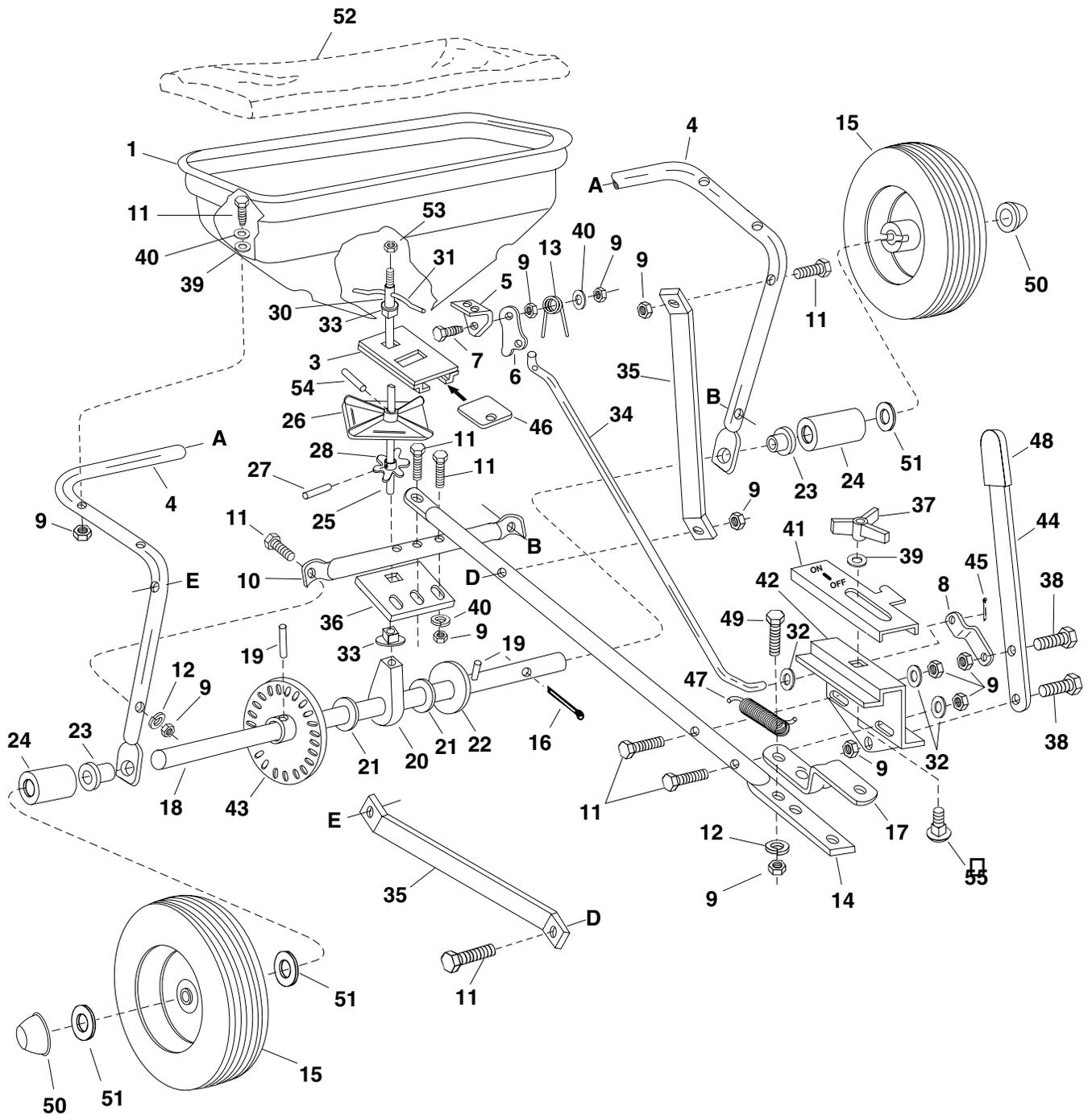


FIGURE 19

REPAIR PARTS FOR BROADCAST SPREADER MODEL 45-02151



REPAIR PARTS LIST FOR BROADCAST SPREADER MODEL 45-02151

REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	44624	1	Hopper	30	23766	1	Sleeve, Agitator
2	43882	4	Rivet, Stainless	31	43878	1	Wire, Agitator
3	62482	1	Ass'y, Guide Closure	32	R19111116	3	Washer, 5/16 SAE
4	44588	1	Tube, Frame	33	44285	2	Bushing, Delrin
5	23753	1	Slide Gate Angle Bracket	34	44469	1	Rod, Flow Control
6	23758	1	Slide Gate Bracket	35	23525	2	Brace, Hitch
7	43012	1	Bolt, Hex 1/4-20 x 3/4" Lg.*	36	23780	1	Support, Shaft
8	23756	1	Flow Control Link	37	43849	1	Knob, Plastic 1/4-20 Thd.
9	43013	22	Nut, Hex Lock 1/4-20 Thd. *	38	43866	2	Bolt, Hex 1/4-20 x 5/8" Lg. Gr. 5
10	44591	1	Tube, Crossover	39	1543-069	7	Washer, Nylon
11	43648	16	Bolt, Hex 1/4-20 x 1-1/2" Lg.	40	43088	12	Washer, Flat 1/4" Std.
12	43177	4	Washer, Lock 1/4" I.D.*	41	23755	1	Gage, Flow Control
13	44566	1	Spring, Torsion	42	23754	1	Bracket, Flow Control Mount
14	44586	1	Tube, Hitch	43	46885	1	Gear, Plastic
15	47052	2	Wheel	44	23757	1	Flow Control Arm
16	47063	1	Cotter Pin. 5/32" x 2"	45	44101	1	Cotter Pin 3/32" x 3/4" Lg.*
17	23818	1	Bracket, Hitch	46	23533	1	Plate, Closure
18	24407	1	Shaft, Axle	47	43000	1	Spring, Extension
19	44665	2	Pin, Spring 5/32" Dia. x 1-1/4" Lg.	48	43848	1	Grip, Flow Control Arm
20	44672	1	Bushing, Axle Shaft	49	43661	2	Bolt, Hex 1/4-20 x 1" Lg. *
21	44137	4	Washer, Shim 1/2"	50	44663	2	Hub Cap
22	R19171616	1	Washer, Flat 1/2"	51	R19171616	3	Washer, Flat 1/2"
23	741-0248	2	Bearing, Flange	52	44619	1	Optional Vinyl Hopper Cover
24	46501	2	Tube, Spacer	53	43082	1	Nut, Hex Lock 3/8-16 Thd.*
25	23524	1	Shaft, Sprocket	54	46055	1	Pin, Spring 1/8" Dia. x 1" Lg.
26	04367	1	Spreader Plate	55	44950	1	Bolt, Carriage 1/4-20 x 3/4" Lg.
27	43850	1	Pin, Spring 1/8" Dia. x 5/8" Lg.		46505	1	Owner's Manual
28	44468	1	Sprocket, 6 Tooth				
29	C-9M5732	2	Pop Rivet				

*Purchase common hardware locally.

AGRI-FAB® LIMITED WARRANTY

WHO IS COVERED: This Warranty covers only the original retail purchaser of an AGRI-FAB® product or part. It is not transferable.

HOW LONG DOES COVERAGE LAST: This Warranty remains in force for 1 year from the date of purchase.

WHAT IS COVERED: Any defect in material or workmanship of your AGRI-FAB® product or part.

WHAT IS NOT COVERED:

1. This warranty does not apply to the engine or components parts thereof. Please refer to the applicable manufacturer's warranty on these items
2. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by AGRI-FAB®.
3. This Warranty applies only to products, which have been properly assembled, adjusted, operated, and maintained in accordance with the instructions furnished. This Warranty does not apply to any product, which has been subjected to alteration, misuse, abuse, improper assembly or installation, delivery damage, or to normal wear of the product.
4. Exclusions: Excluded from this Warranty are belts, blades, blade adapters, normal wear, normal adjustments, standard hardware and normal maintenance.
5. AGRI-FAB® does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through AGRI-FAB's authorized channels of export distribution.

WHAT AGRI-FAB® WILL DO: Repair or replace your AGRI-FAB® product or part.

HOW TO GET SERVICE: Deliver the AGRI-FAB® product or part to AGRI-FAB's local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of AGRI-FAB, Inc. at P.O. BOX 903, SULLIVAN, ILLINOIS 61951. The return of a product or part to AGRI-FAB® will not be accepted unless prior written permission has been extended by AGRI-FAB®.

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

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REPAIR PARTS

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