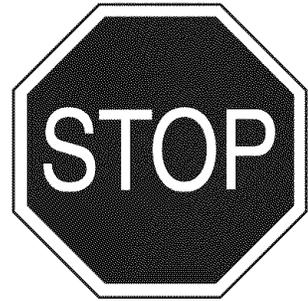


Owner's Manual



**2.1 cu. ft. (TOW)
BROADCAST SPREADER
Model No. 486.243234**

DO NOT RETURN TO STORE
For Missing Parts or Assembly
Questions Call 1-866-576-8388



CAUTION:
Before using this product, read
this manual and follow all Safety
Rules and Operating Instructions.

- Safety
- Assembly
- Operation
- Maintenance
- Parts

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.
www.sears.com/craftsman

TABLE OF CONTENTS

ACCESSORIES.....	2	MAINTENANCE/STORAGE	11
SAFETY RULES.....	3	SERVICE AND ADJUSTMENTS.....	12
FULL SIZE HARDWARE CHART.....	4	TROUBLESHOOTING.....	12
CARTON CONTENTS.....	5	REPAIR PARTS ILLUSTRATION.....	14
ASSEMBLY.....	5	REPAIR PARTS LIST.....	15
OPERATION.....	9	PARTS ORDERING/SERVICE	Back Page

WARRANTY

ONE YEAR FULL WARRANTY

When operated and maintained according to the instructions supplied with it, if this Spreader fails due to a defect in material or workmanship within one year from the date of purchase, call 1-800-4-MY-HOME® to arrange for free repair (or replacement if repair proves impossible).

If this product is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

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

Sears, Roebuck and Co., D817WA, Hoffman Estates, IL 60179

<p>The model number and serial numbers will be found on a decal attached to the frame.</p> <p>You should record both the serial number and the date of purchase and keep in a safe place for future reference.</p>	<table><tr><td>MODEL NUMBER:</td><td>486.243234</td></tr><tr><td>SERIAL NUMBER:</td><td>_____</td></tr><tr><td>DATE OF PURCHASE:</td><td>_____</td></tr></table>	MODEL NUMBER:	486.243234	SERIAL NUMBER:	_____	DATE OF PURCHASE:	_____
MODEL NUMBER:	486.243234						
SERIAL NUMBER:	_____						
DATE OF PURCHASE:	_____						



SAFETY



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.

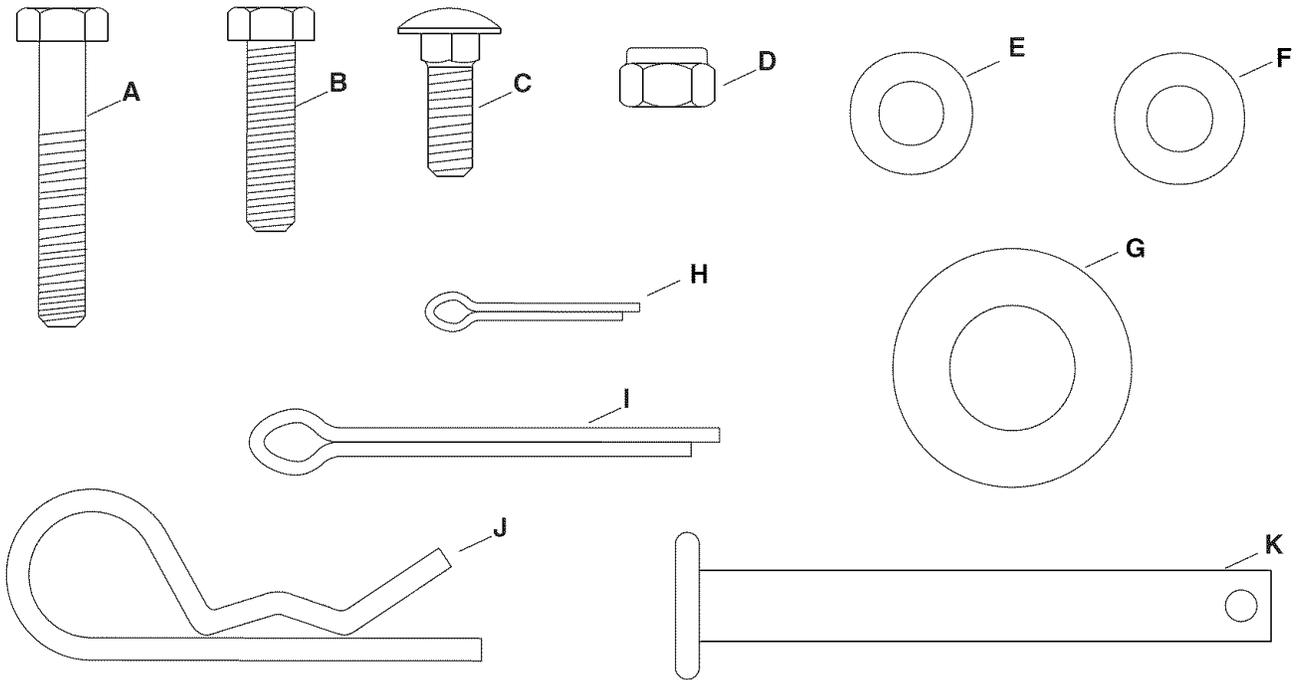
- Read the towing vehicle owners manual and towing vehicle safety rules. Know how to operate your tractor before using the broadcast spreader attachment.
- Read the chemical label instructions and cautions for handling and applying the chemicals purchased for spreading.
- Wear eye and hand protection 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 is 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.



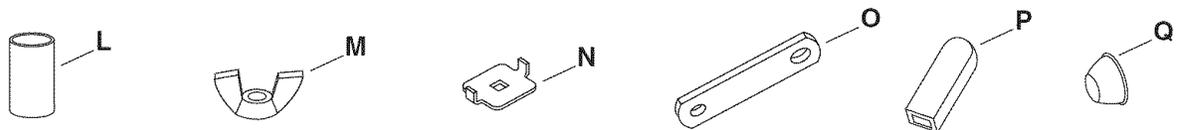
Look for this symbol to point out important safety precautions. It means--**Attention!! Become alert!! Your safety is involved.**

HARDWARE PACKAGE CONTENTS

SHOWN FULL SIZE



NOT SHOWN FULL SIZE

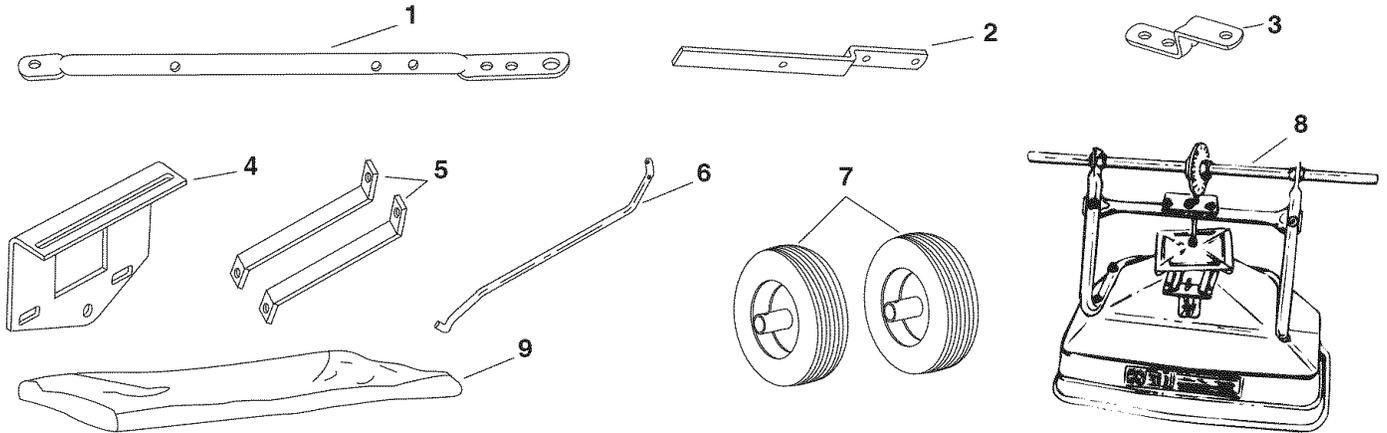


KEY	QTY.	DESCRIPTION	KEY	QTY.	DESCRIPTION
A	5	Hex Bolt, 1/4-20 x 1-1/2"	I	1	Cotter Pin, 5/32 x 2"
B	4	Hex Bolt, 1/4-20 x 1"	J	1	Hair Cotter Pin
C	1	Carriage Bolt, 1/4-20 x 3/4"	K	1	Hitch Pin
D	9	Nylock Nuts, 1/4-20 Thread	L	2	Spacers
E	4	Nylon Washer	M	1	Nylon Wing Nut
F	6	Flat Washer, 5/16"	N	1	Adjustable Stop
G	4	Flat Washers, 5/8"	O	1	Flow Control Link
H	1	Cotter Pin, 3/32" x 3/4"	P	1	Grip
			Q	2	Hub Cap

ASSEMBLY

CARTON CONTENTS

1. Hitch Tube
 2. Flow Control Arm
 3. Hitch Bracket
 4. Flow Control Mount Bracket
 5. Braces (2)
 6. Flow Control Rod
 7. Wheels (Drive and Idler)
 8. Hopper Assembly
 9. Vinyl Cover
- Hardware Package (see page 4)



TOOLS REQUIRED FOR ASSEMBLY

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

REMOVAL OF PARTS FROM CARTON

- Remove all parts and hardware packages from the carton. Lay out all parts and hardware and identify using the illustrations on pages 4 and 5.

- Turn the spreader upside down as shown in figure 1.

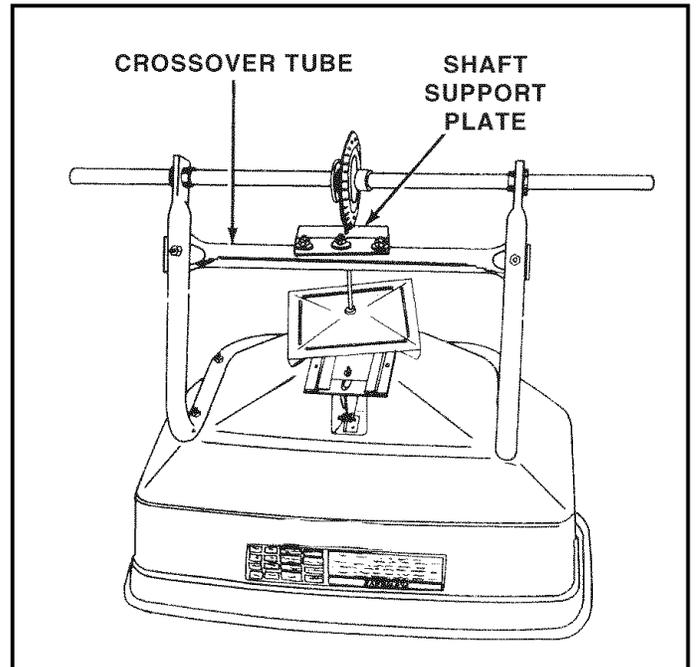


FIGURE 1

- 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" nylock nuts. **DO NOT TIGHTEN YET.** See figure 2.
- Remove the nut from the middle bolt in the crossover tube and shaft support plate. Leave the bolt in place. See figure 2.
- Assemble the hitch tube onto the middle bolt and secure it with the same nut you removed. **DO NOT TIGHTEN YET.** See figure 2.

IMPORTANT: The hitch tube must attach to the side of the crossover tube opposite the shaft support plate.

- Assemble the two hitch braces to the hitch tube using a 1/4" x 1-1/2" hex bolt and a 1/4" nylock nut. **DO NOT TIGHTEN YET.** See figure 2.
- **Tighten** the nuts and bolts fastening the hitch braces to the hopper frame and the hitch tube, then tighten the middle lock nut fastening the hitch tube to the crossover tube. **DO NOT COLLAPSE TUBES WHEN TIGHTENING.**

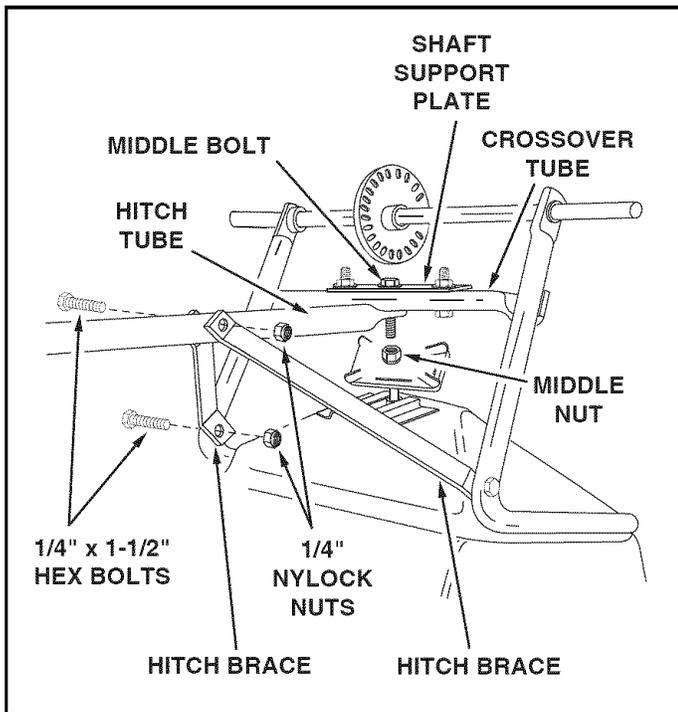


FIGURE 2

- Select the end of the axle with no cross hole. Assemble a spacer, a 5/8" flat washer, a wheel (air valve facing out) and then another 5/8" flat washer onto the axle. See figure 3.
- Install a hub cap by tapping it carefully onto the axle with a hammer. See figure 3.

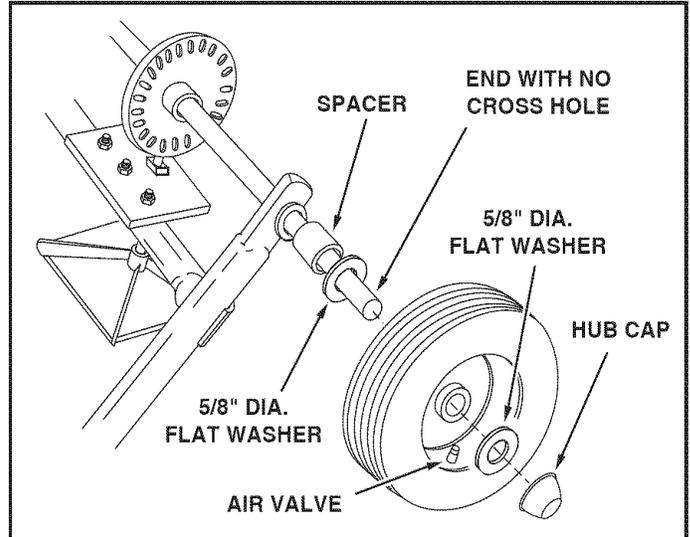


FIGURE 3

- Select the end of the axle containing the cross hole. Assemble a spacer, a 5/8" flat washer, a wheel (air valve facing out) and then another 5/8" flat washer onto the axle. Insert the 5/32" x 2" cotter pin through the wheel hub and the axle and then spread the ends of the pin. See figure 4.
- Install a hub cap by tapping it carefully onto the axle with a hammer. See figure 4.

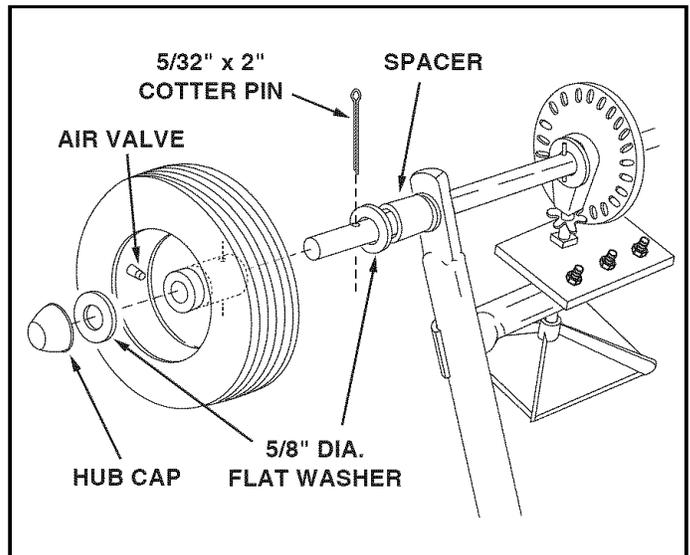


FIGURE 4

- Turn the spreader upright onto its wheels.
- Assemble the hitch bracket to the top of the hitch tube using two 1/4" x 1" hex bolts and 1/4" nylock nuts. See figure 5.
- Assemble the hitch pin through the hitch bracket and the hitch tube and secure with the hair cotter pin. See figure 5.

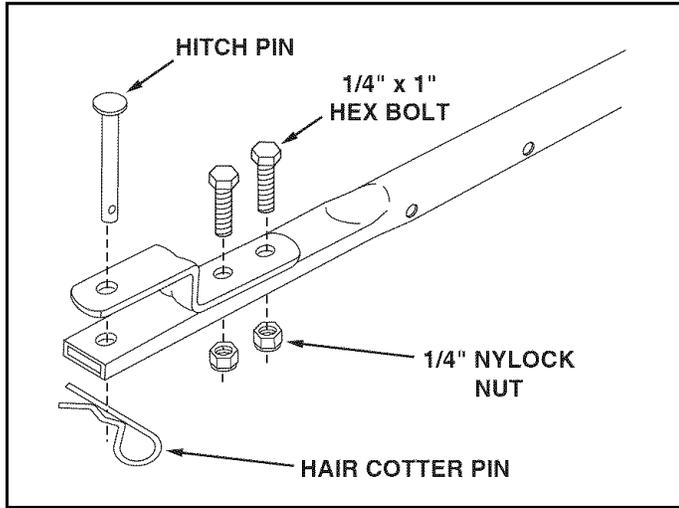


FIGURE 5

- Assemble the flow control link (end with small hole) to the flow control arm using a 1/4" x 1" hex bolt, a nylon washer and a 1/4" nylock hex nut as shown in figure 6. **Tighten carefully.** The flow control link should not be loose but should pivot with no more than slight resistance.

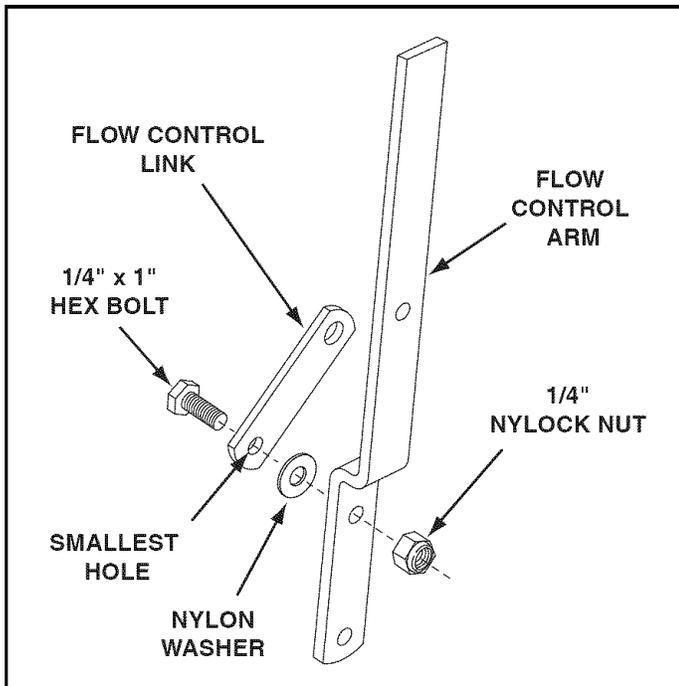


FIGURE 6

- Assemble the flow control arm to the flow control mounting bracket using a 1/4" x 1" hex bolt, two nylon washers and a 1/4" nylock hex nut as shown in figure 7. **Tighten carefully.** The flow control arm should not be loose but should pivot with no more than a slight resistance.
- Place the vinyl grip onto the flow control arm. See figure 7.

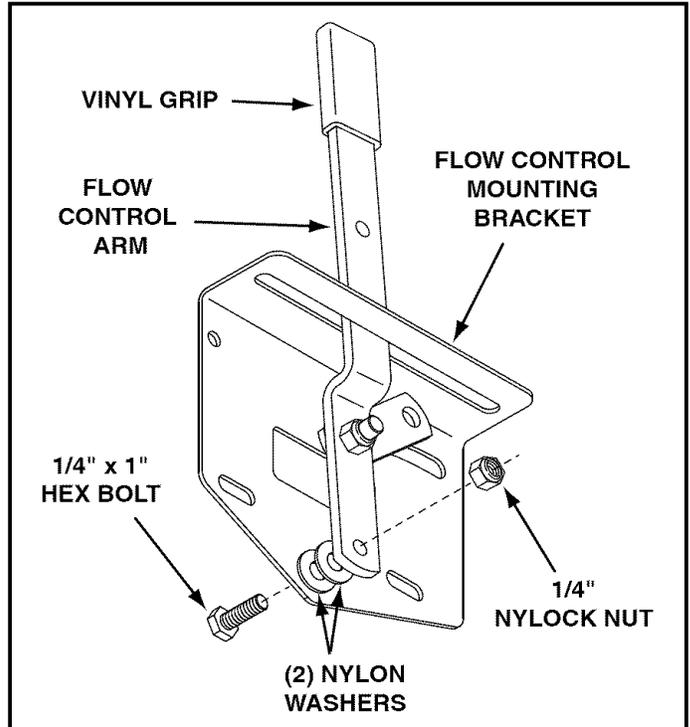


FIGURE 7

- Place a 5/16" flat washer onto 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 8.

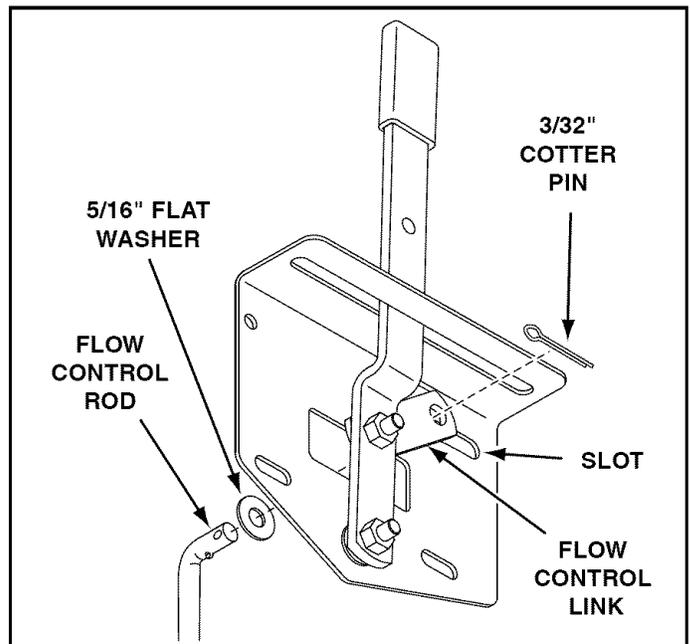


FIGURE 8

- Hook the free end of the flow control rod through the hole in the slide gate bracket located near the bottom of the hopper. See figure 9.

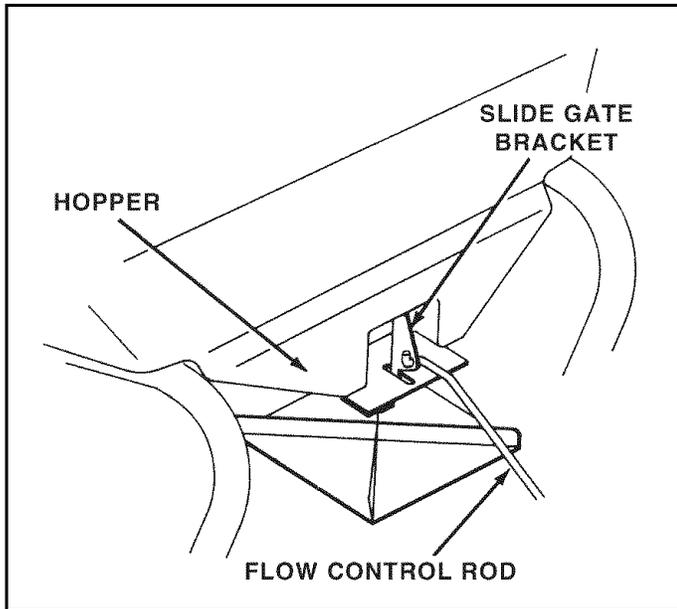


FIGURE 9

- Assemble the flow control mounting bracket to the hitch tube using two 1/4" x 1-1/2" hex bolts, four 5/16" flat washers and two 1/4" nylock hex nuts as shown in figure 10. **Do not tighten at this time.**

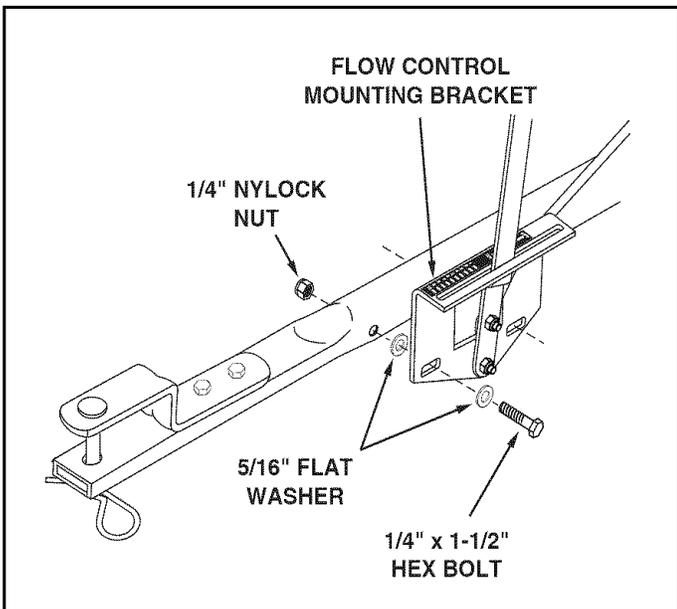


FIGURE 10

- Place the adjustable stop into the "ON" end of the slot in the top of the flow control mounting bracket. Secure with the 1/4" x 3/4" carriage bolt, a nylon washer, a 5/16" flat washer and the nylon wing nut. See figure 11.

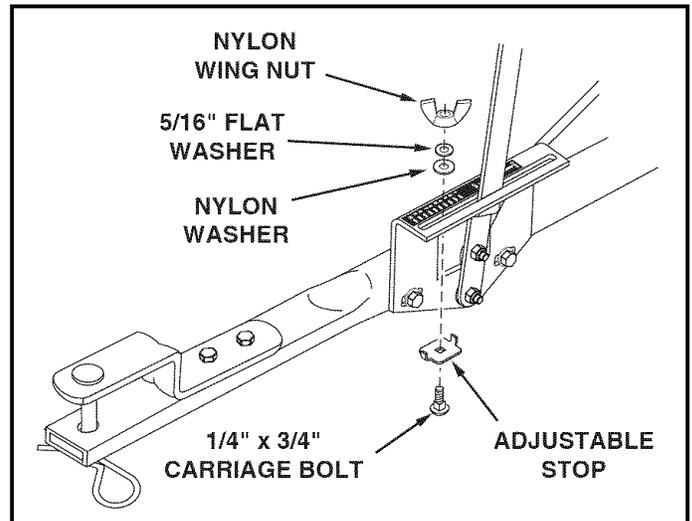


FIGURE 11

- Position the flow control mounting bracket (figure 12)
 - a. Push on flow control arm until it locks in "OFF" position.
 - b. Slide flow control mounting bracket along tube until closure plate in bottom of hopper just closes.
 - c. Snug the mounting bolts and nuts just enough to hold flow control mounting bracket in place.
 - d. Set adjustable stop at "5". Pull flow control arm against stop. Verify that closure plate has opened half way.
 - e. If closure plate is not open half way, adjust position of flow control mounting bracket until closure plate is open half way at "5" and closed when arm is locked in "OFF". **Tighten** the mounting bolts and nuts.

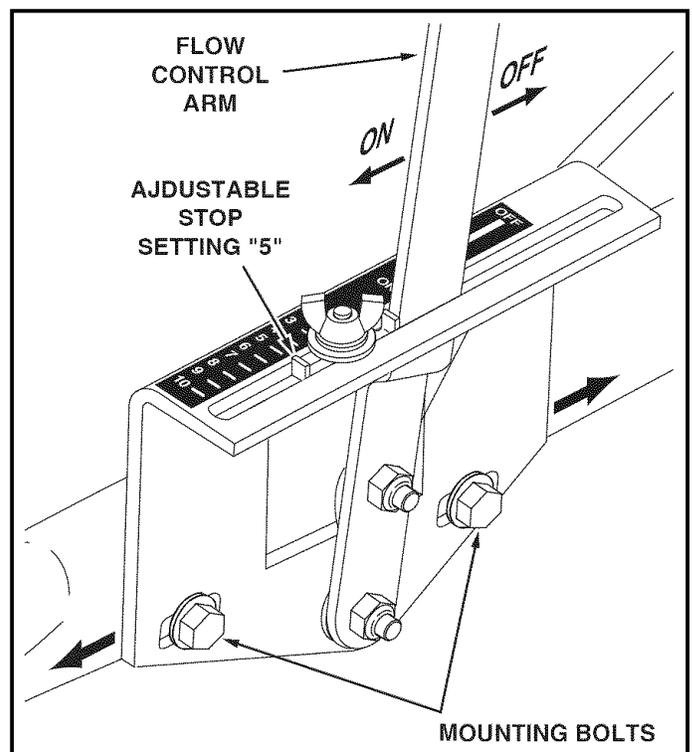


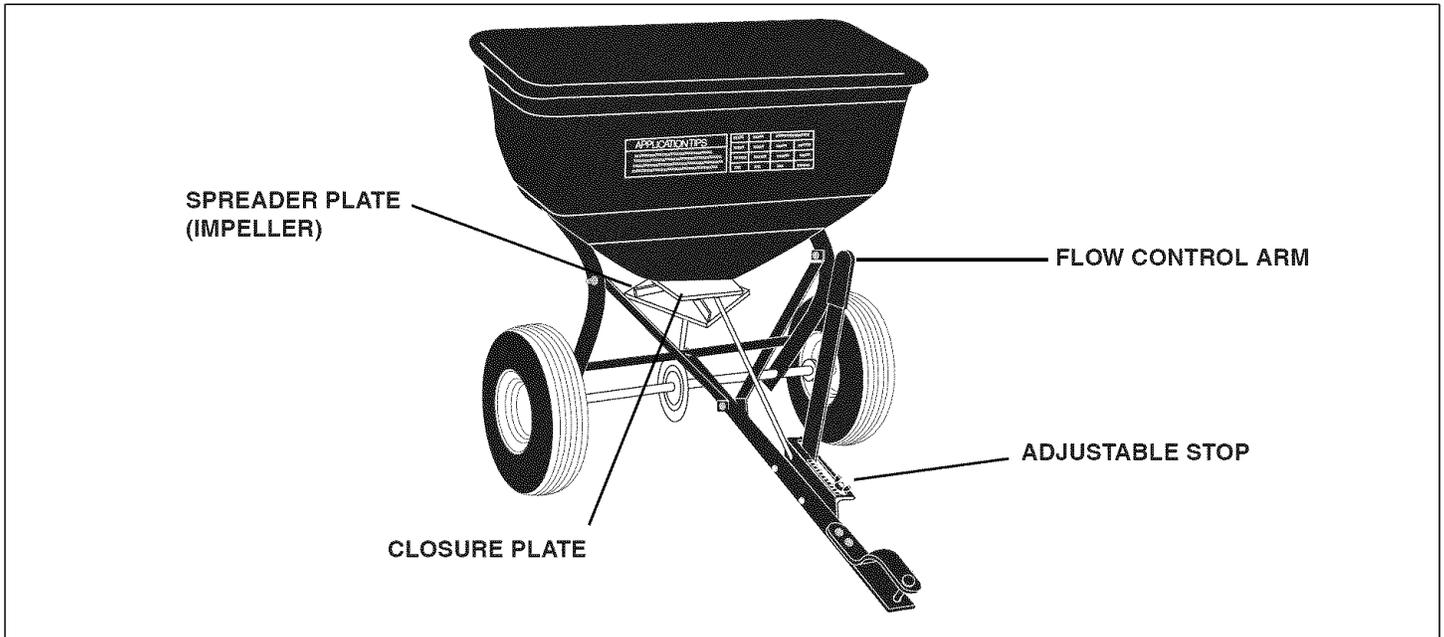
FIGURE 12

OPERATION

KNOW YOUR SPREADER

Read this owner's manual and safety rules before operating your spreader.

Compare the illustration below with your spreader to familiarize yourself with the various controls and their locations.



FLOW CONTROL ARM - Opens and closes the closure plate in the bottom of the hopper.

ADJUSTABLE STOP - Limits how far the closure plate opens.

CLOSURE PLATE - Slides to open or close the opening in the bottom of the hopper.

SPREADER PLATE - Spins when spreader is in motion to disperse the material in an even pattern.

HOW TO USE YOUR SPREADER

SETTING THE FLOW CONTROL

(Refer to figure 12 on page 8.)

- Loosen the nylon 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.
- Refer to the application chart on page 10 and to the instructions on the fertilizer bag to select the proper flow rate setting.
- Pull the flow control arm against the adjustable stop for the on position and toward the hopper for the off position.

USING YOUR SPREADER

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

- Determine approximate square footage of area to be covered and estimate amount of material required.
- Before filling the hopper make sure the flow control arm is in the off position and the closure plate is shut.
- Break up any lumpy fertilizer as you fill the hopper.
- Set the adjustable stop with the flow control arm still in the off position. Refer to the application chart on page 10 and to the instructions on the fertilizer bag to select 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 faster you drive, the wider the broadcast width.
- Always start the tractor in motion before opening closure plate.
- Always shut the closure plate before turning or stopping the tractor.

- 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.
- To insure uniform coverage, make each pass so that the broadcast pattern slightly overlaps the pattern from the previous pass as shown in figure 13. The approximate broadcast widths for different materials are shown in the application chart on this page.

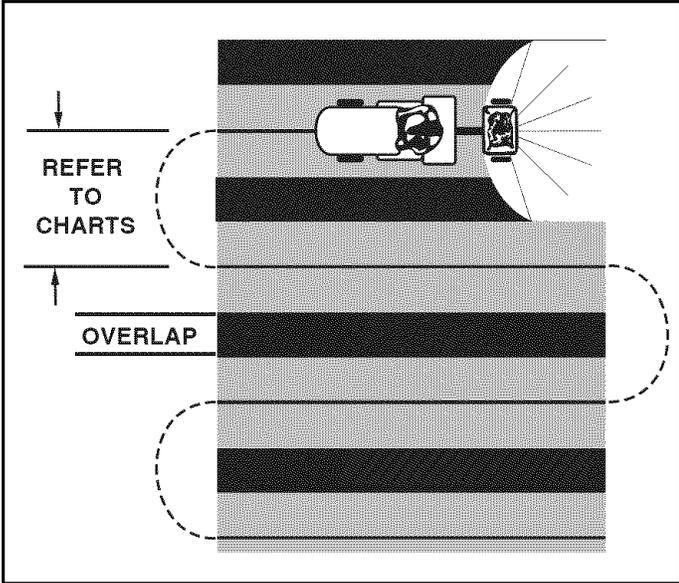


FIGURE 13

- When broadcasting weed control fertilizers, make sure the broadcast pattern does not hit evergreen trees, flowers or shrubs.
- Heavy moisture conditions may require a cover over the hopper to keep contents dry. The vinyl cover (shown in figure 14) acts as a wind and moisture shield, but not as a rain cover.



FIGURE 14

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 (SHIELD UP)		
TYPE MATERIAL	FLOW SETTING	SPREAD WIDTH
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'
ICE MELTER	6 - 8	10' - 12'

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

MAINTENANCE/STORAGE

CUSTOMER RESPONSIBILITIES

- Read and follow the maintenance schedule and the maintenance procedures listed in this section.

MAINTENANCE SCHEDULE Fill in dates as you complete regular service.						Service Dates														
	Before each use	After each use	Every season	Before storage	As instructed															
Check for loose fasteners	X																			
Check for worn or damaged parts	X			X																
Check tire inflation	X																			
Cleaning		X		X																
Lubricate			X		X															

CHECK FOR LOOSE FASTENERS

- 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 OF DAMAGED PARTS

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

CHECK TIRE INFLATION

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

CLEANING



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

- Rinse inside of hopper and exterior of spreader and dry off before storing.

LUBRICATE (See figure 15.)

- Lightly apply automotive grease as needed to the sprocket and gear.
- Oil the nylon bushings on the vertical sprocket shaft and on the axle at least once a year, or more often as needed.
- Oil right hand (idler) wheel bearing at least once a year or more often as needed.

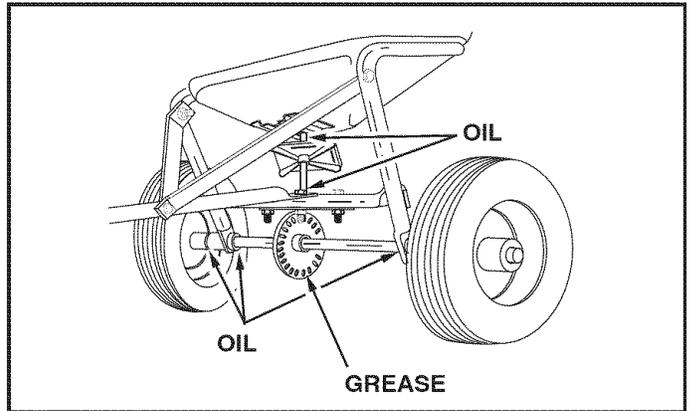


FIGURE 15

STORAGE

- Rinse inside of hopper and exterior of spreader and dry off before storing.
- Store in a clean, dry area.

SERVICE AND ADJUSTMENTS

- If the axle, slotted gear and sprocket assembly is disassembled, mark down the positions of the parts as they are removed. The drive wheel and sprocket positions in relation to the slotted gear determine which direction the spreader plate will spin. Be sure to reassemble them in their original positions. (Refer to figure 4 on page 6.) Use shim washers (Ref. no. 21 on pages 14 and 15) as needed for minimum backlash. Add grease to gear and sprocket.
- If the agitator hairpin becomes damaged or worn it can be replaced. See figure 16.

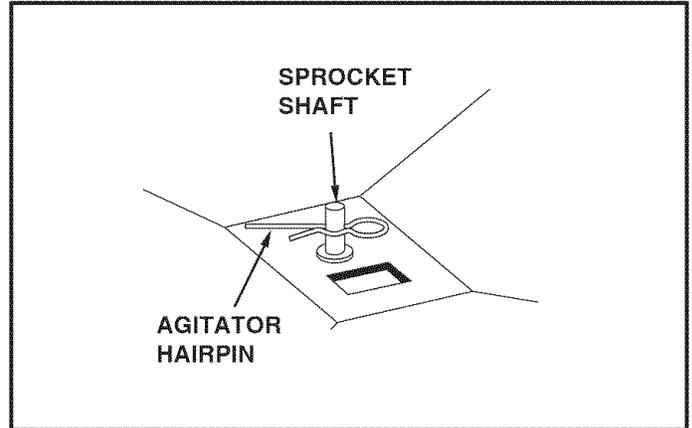


FIGURE 16

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Flow rate is not accurate.	1. Flow controls out of adjustment.	1. Adjust the flow control bracket as described at the end of page 8.
Material will not flow out of bottom of hopper properly.	1. Closure plate in bottom of hopper is not open enough. 2. Material is clumping at bottom of hopper.	1. Change the flow control setting to match the application chart. 2. a. Stir or sift to break up clumps. b. Wait for drier weather.

NOTES

REPAIR PARTS FOR MODEL 486.243234

REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	44466	1	Hopper	26	04367	1	Spreader Plate
2	C-9M5732	2	Rivet, Pop	27	43850	1	Pin, Spring 1/8" Dia. x 5/8".
3	62482	1	Assembly, Guide Closure	28	44468	1	Sprocket, 6 Tooth
4	48842	1	Tube, Frame	29	44285	2	Bushing, Delrin
5	23753	1	Slide Gate Angle Bracket	30	48499	2	Hub Cap
6	23758	1	Slide Gate Bracket	31	48934	1	Hairpin, Agitator
7	44566	1	Spring, Torsion	32	47623	1	Hitch Pin
8	24857	1	Flow Control Link	33	43343	1	Hair Cotter Pin, 1/8"
9	47189	22	Nut, Nylock 1/4-20	34	44469	1	Rod, Flow Control
10	48841	1	Tube, Crossover	35	23525	2	Brace, Hitch
11	R19111116	6	Washer, 5/16 SAE	36	23780	1	Shaft Support Plate
12	47141	1	Wing Nut, Nylon	37	43648	9	Bolt, Hex 1/4-20 x 1-1/2"
13	47063	1	Pin, Cotter 5/32" x 2"	38	1509-69	7	Bolt, Hex 1/4-20 x 1-3/4"
14	44586	1	Tube, Hitch	39	1543-69	10	Washer, Nylon
15	46055	1	Pin, Spring 1/8" Dia. x 1" Lg.	40	43088	10	Washer, Flat 1/4" Std.*
16	40804	2	Wheel	41	24858	1	Stop, Adjustable
17	23687	1	Bracket, Hitch	42	24855	1	Bracket, Flow Control Mount
18	25067	1	Shaft, Axle	43	64735	1	Gear, Slotted
19	44665	2	Pin, Spring 5/32" x 1-1/4"	44	24859	1	Flow Control Arm
20	48916	1	Bushing, Axle Shaft	45	44101	1	Cotter Pin 3/32" x 3/4" Lg.*
21	44125	4	Washer, Flat 5/8" x 1"	46	23533	1	Plate, Closure
22	R19212016	5	Washer, Flat 5/8" x 1-1/4"	47	43848	1	Grip, Flow Control Arm
23	741-0249	2	Bearing, Flange	48	43661	5	Bolt, Hex 1/4-20 x 1" Lg. *
24	48857	2	Tube, Spacer	49	44950	1	Bolt, Carriage 1/4-20 x 3/4"
25	25305	1	Shaft, Sprocket	50	40825	1	Vinyl Cover
					40823	1	Owner's Manual

*Purchase common hardware locally.

Get it fixed, at your home or ours!

Your Home

For repair – **in your home** – of **all** major brand appliances, lawn and garden equipment, or heating and cooling systems, **no matter who made it, no matter who sold it!**

For the replacement parts, accessories and owner's manuals that you need to do-it-yourself.

For Sears professional installation of home appliances and items like garage door openers and water heaters.

1-800-4-MY-HOME® (1-800-469-4663)

Call anytime, day or night (U.S.A. and Canada)

www.sears.com www.sears.ca

For expert home solutions advice: www.managemyhome.com

Our Home

For repair of carry-in items like vacuums, lawn equipment, and electronics, call or go on-line for the location of your nearest

Sears Parts & Repair Service Center

1-800-488-1222 (U.S.A.) 1-800-469-4663 (Canada)

Call anytime, day or night

www.sears.com www.sears.ca

To purchase a protection agreement on a product serviced by Sears:

1-800-827-6655 (U.S.A.)

1-800-361-6665 (Canada)

Para pedir servicio de reparación a domicilio, y para ordenar piezas:

1-888-SU-HOGAR®

(1-888-784-6427)

Au Canada pour service en français:

1-800-LE-FOYER^{MC}

(1-800-533-6937)

www.sears.ca

The Sears logo is displayed in a large, bold, black serif font. A curved line underneath the letters 'e' and 'a' suggests a smile or a swoosh.

® Registered Trademark / ™ Trademark / ™ Service Mark of Sears Brands, LLC

® Marca Registrada / ™ Marca de Fábrica / ™ Marca de Servicio de Sears Brands, LLC

^{MC} Marque de commerce / ^{MD} Marque déposée de Sears Brands, LLC

© Sears Brands, LLC