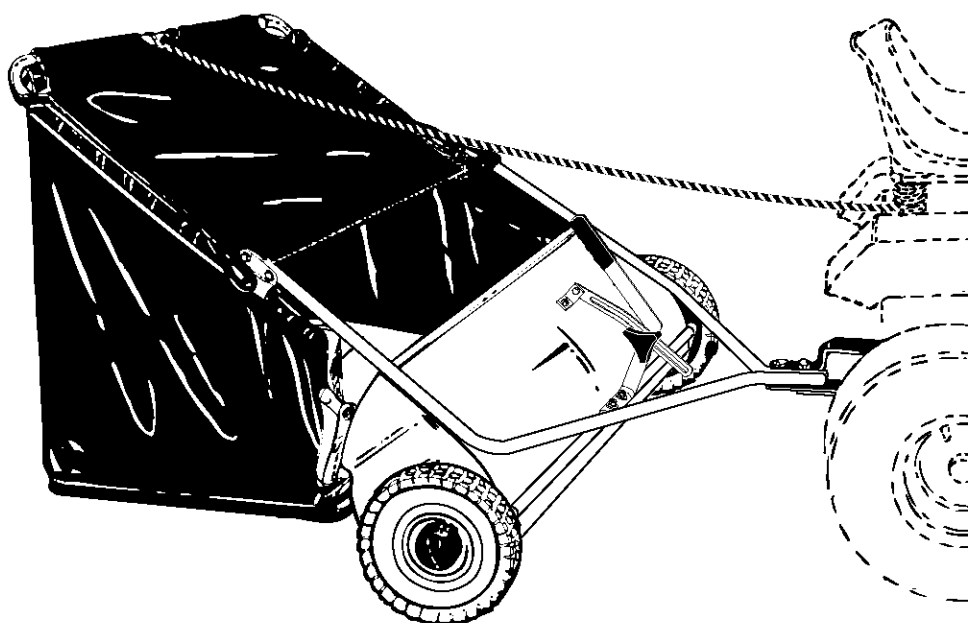


Owner's Manual

CRAFTSMAN®

46" LAWSWEEPER FOR SWEEPER/DETHATCHER COMBO Model No. 486.24212



CAUTION:

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

- Safety
- Assembly
- Operation
- Maintenance
- Parts

IMPORTANT - READ THIS FIRST!!!

For Missing Parts or Assembly Questions
Please Call 217-728-8388
Mon.-Fri. 7 am - 5 pm CST.

FAX 217-728-2032 or e-mail info@agri-fab.com

Missing parts will be sent UPS in 24 hours directly to your home.

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

PRINTED IN U.S.A.

FORM NO. 48825 (1/03)

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WARRANTY

LIMITED ONE YEAR WARRANTY ON CRAFTSMAN LAWSWEEPER

For one year from the date of purchase, when this Lawnsweeper is maintained and lubricated according to the operating and maintenance instructions in the owner's manual, Sears will repair free of charge any defect in material or workmanship.

This warranty does not cover repairs necessary because of operator abuse or negligence, including the failure to maintain the equipment according to instructions contained in the owner's manual; and Lawnsweeper used for commercial or rental purposes.

WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

This warranty applies only while this product is in the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Sears, Roebuck and Co. D/817WA, Hoffman Estates, Chicago, IL 60179



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 vehicle and sweeper owners manuals and know how to operate your vehicle and sweeper before using this sweeper attachment. Always instruct other users before they operate the sweeper.
- Do not permit children to operate sweeper.
- Do not permit anyone to ride on sweeper.
- Never attach the hopper rope to any part of your body or clothing! Never hold onto the rope while towing the sweeper! Attach the rope to the towing vehicle to keep it away from wheels and rotating parts.
- Operate the sweeper at reduced speed on rough terrain, near ditches and on hillsides to prevent loss of control.
- Vehicle braking and stability may be affected with the attachment of this sweeper. Do not fill sweeper to maximum capacity without checking the capability of the towing vehicle to safely pull and stop with the sweeper attached. **Stay off of steep slopes.**
- Stop and inspect vehicle and sweeper for damage after striking an object. Repair any damage before continuing operation.
- Keep sweeper away from fire. Excessive heat can damage the brushes and hopper bag and could cause the bag and its contents to burn.
- Before storing the sweeper, always empty the hopper bag to avoid spontaneous combustion.
- Follow maintenance and lubrication instructions as outlined in the maintenance section of this manual.



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

The model and serial numbers will be found on a decal attached to the lawnsweeper.

You should record both the serial number and the date of purchase and keep in a safe place for future reference.

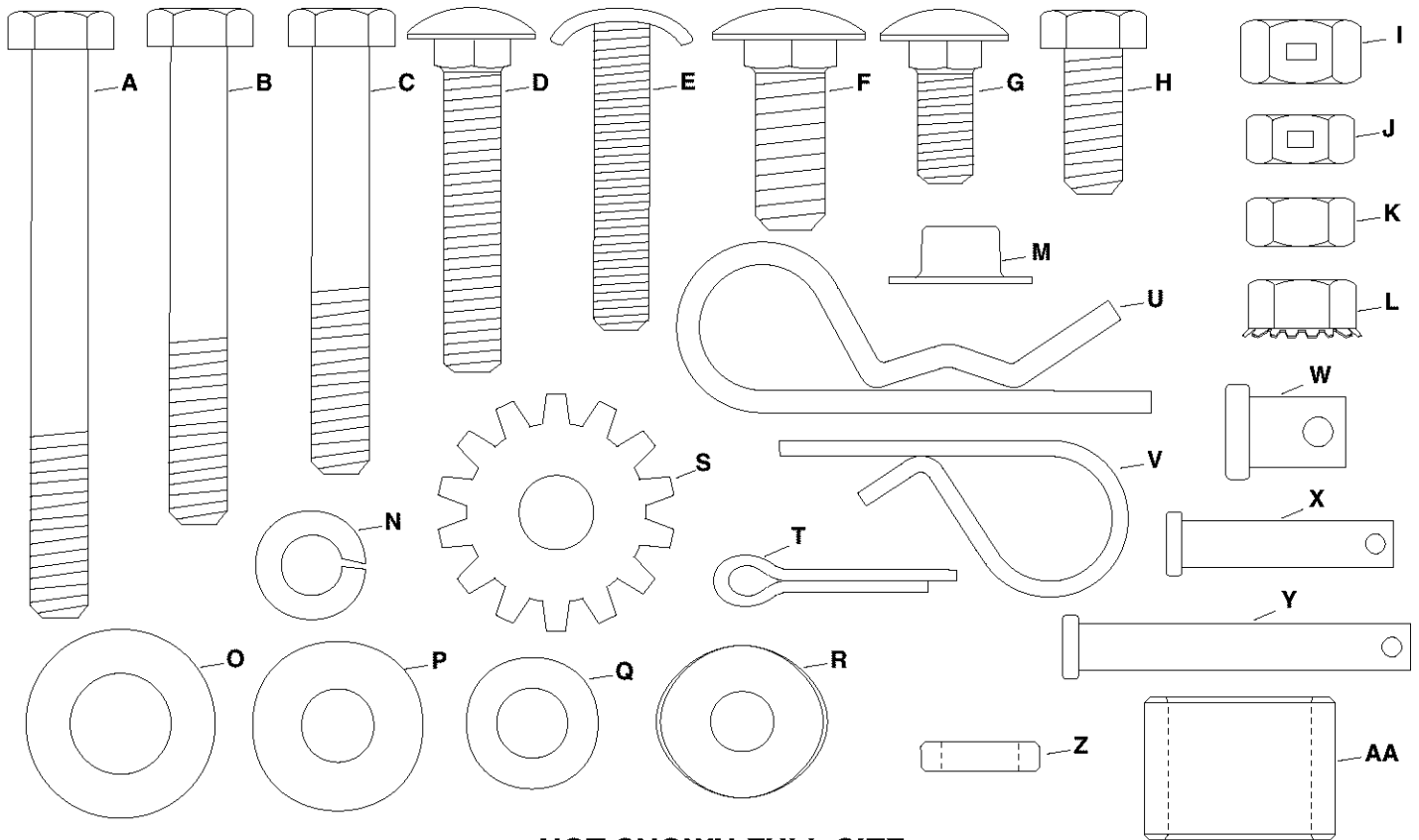
MODEL NUMBER: 486.24212

SERIAL NUMBER: _____

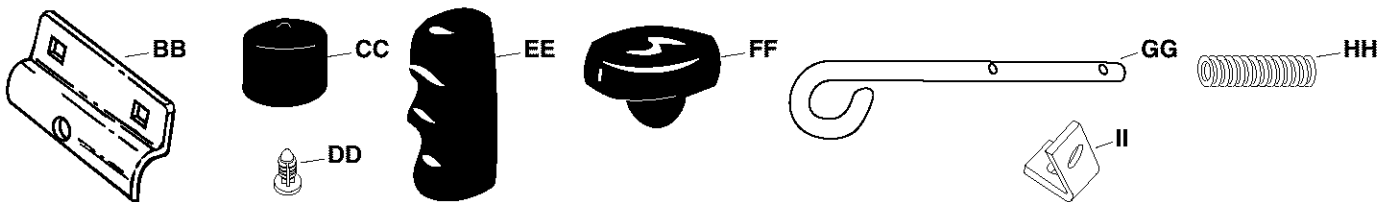
DATE OF PURCHASE: _____

HARDWARE PACKAGE CONTENTS

SHOWN FULL SIZE



NOT SHOWN FULL SIZE

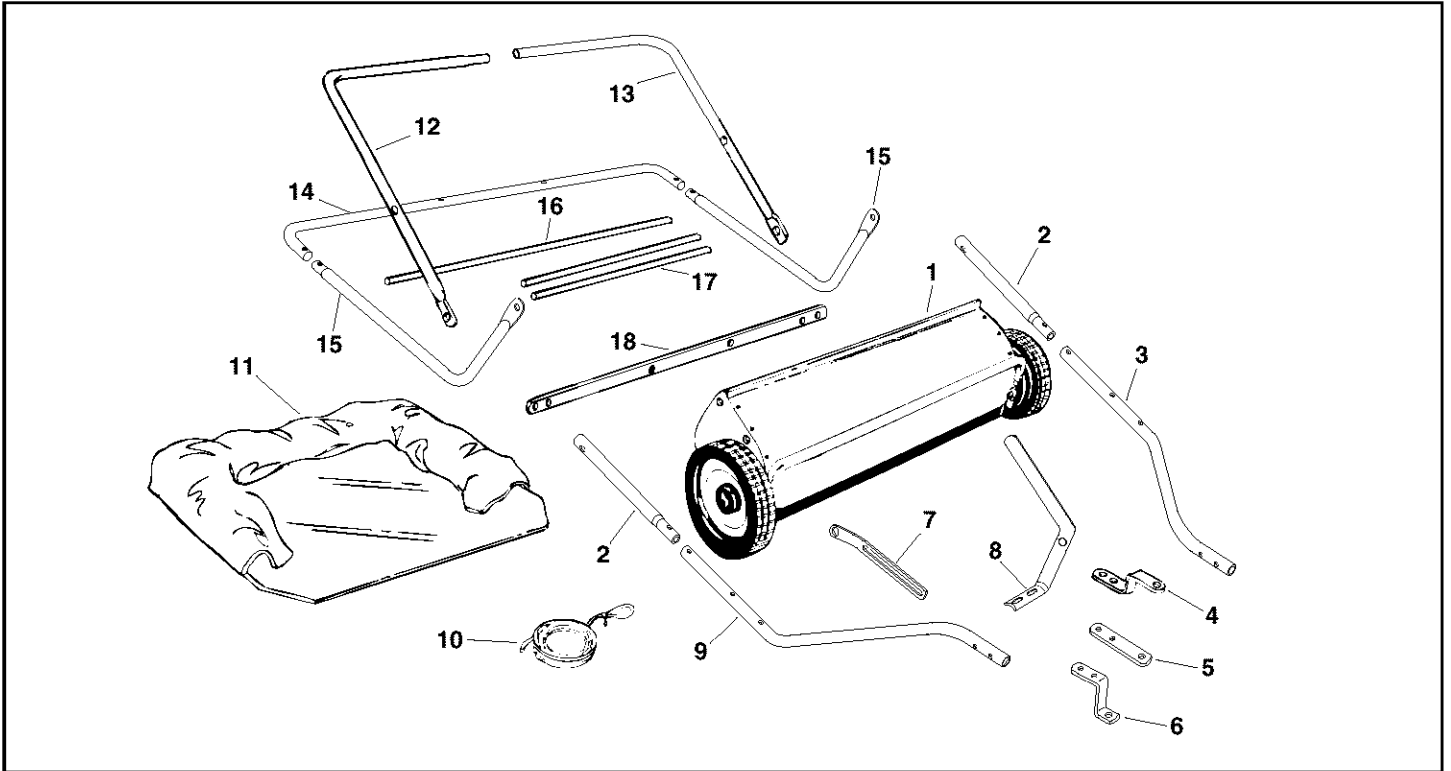


REF.	QTY.	DESCRIPTION	REF.	QTY.	DESCRIPTION
A	2	Hex Bolt, 5/16-18 x 3" Lg.	R	2	Bowed Washer
B	1	Hex Bolt, 5/16-18 x 2-1/2" Lg.	S	1	Washer, Tooth Lock 5/16"
C	1	Hex Bolt, 5/16-18 x 2-1/4" Lg.	T	1	Cotter Pin, 1/8" x 3/4"
D	4	Carriage Bolt, 5/16-18 x 1-3/4" Lg.	U	1	Hairpin Cotter, 1/8"
E	2	Curved Hd. Bolt, 5/16" x 1-5/8"	V	6	Hairpin Cotter, 3/32"
F	1	Carriage Bolt, 3/8-16 x 1" Lg.	W	2	Clevis Pin, 3/8" x 1/2"
G	5	Carriage Bolt, 5/16-18 x 3/4" Lg.	X	2	Clevis Pin, 1/4" x 1-1/8"
H	2	Hex Bolt, 5/16-18 x 3/4"	Y	2	Clevis Pin, 1/4" x 1-3/4"
I	1	Hex Lock Nut, 3/8"	Z	1	Spacer Bushing,
J	6	Hex Lock Nut, 5/16"	AA	2	Hitch Spacer, 3/4"
K	4	Hex Nut (Plain), 5/16"	BB	4	Hopper Mount Clamp
L	4	Hex Nut (SEMS), 5/16"	CC	2	Vinyl Cap
M	2	Palnut, 3/8"	DD	3	Plastic Plug
N	6	Lock Washer, 5/16"	EE	1	Grip
O	1	Flat Washer, 1/2"	FF	1	Knob, Plastic
P	2	Flat Washer, 5/16" Standard	GG	1	Hitch Pin
Q	2	Flat Washer, 5/16" (Small)	HH	1	Spring
			II	1	Angle Bracket

ASSEMBLY

CARTON CONTENTS (Loose Parts in Carton)

1. Sweeper Housing Assembly
2. Bag Arm Tube (2)
3. Hitch Tube, L.H. (Left Hand)
4. Hitch Bracket
5. Hitch Bracket (Straight)
6. Hitch Pin Bracket
7. Height Adjustment Strap
8. Height Adjustment Handle
9. Hitch Tube, R.H. (Right Hand)
10. Rope
11. Hopper Bag
12. Upper Hopper Tube, R.H.
13. Upper Hopper Tube, L.H.
14. Rear Hopper Tube
15. Lower Hopper Side Tube (2)
16. Hopper Bag Pivot Rod
17. Hopper Support Rod (2)
18. Bag Frame Strap



CARTON CONTENTS

REMOVAL OF PARTS FROM CARTON

- Remove the sweeper, the loose parts and the hardware package from the carton. Lay out the parts and hardware as shown on pages 3 and 4.

TOOLS REQUIRED FOR ASSEMBLY

- (1) Pliers
- (1) Screwdriver
- (1) Hammer
- (1) Adjustable Wrench
- (1) 9/16" Open End or Box End Wrench
- (1) 1/2" Open End or Box End Wrench
- (1) 3/8" Open End or Box End Wrench

ASSEMBLY OF SWEEPER

Note: Right hand (R.H.) and left hand (L.H.) are determined from the operators position while seated on the tractor.

- Assemble the angle bracket to the sweeper housing using a 5/16" x 3/4" hex bolt and a 5/16" hex lock nut. Make sure the bracket is turned as shown and aligned straight with the housing and then **tighten**. See figure 1.
- Assemble the R.H. hitch tube to the sweeper housing using two 5/16" x 1-3/4" carriage bolts, 5/16" lock washers and 5/16" hex nuts. **Do not tighten yet**. Repeat for the L.H. hitch tube. See figure 1.

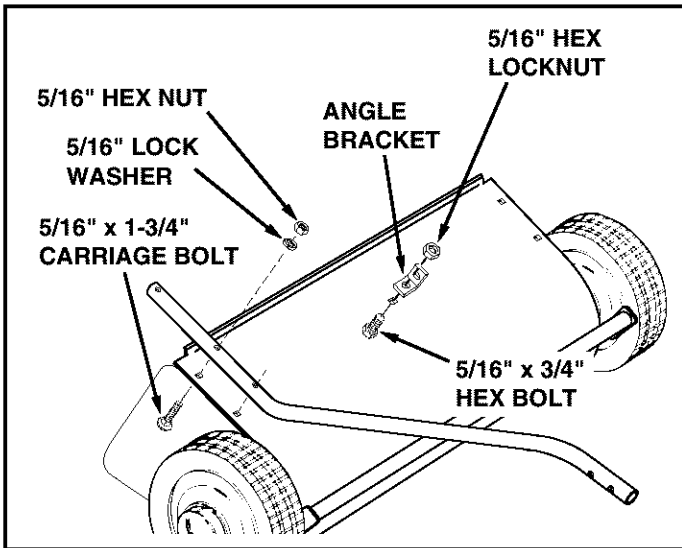


FIGURE 1

- Assemble the transport hook (located in the dethatcher carton) onto the L.H. hitch tube. See figure 2.
- Fasten the hitch tubes together using two 5/16" x 3" hex bolts, 5/16" small flat washers, 5/16" lock washers and 5/16" hex lock nuts. **Do not tighten yet**. See figure 2.

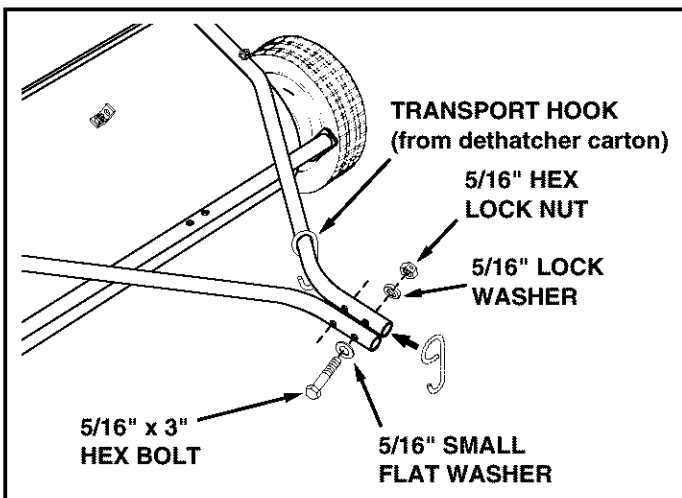


FIGURE 2

- Assemble the hitch pin bracket, the spring and the 1/2" flat washer onto the hitch pin. Secure them onto the hitch pin with a 1/8" x 3/4" cotter pin placed into the middle hole in the hitch pin. Spread ends of cotter pin around hitch pin. See figure 3.
- Assemble the hitch pin bracket to the straight hitch bracket using a 3/8" x 1" carriage bolt and a 3/8" hex lock nut. Align the brackets and **tighten**. See figure 3.

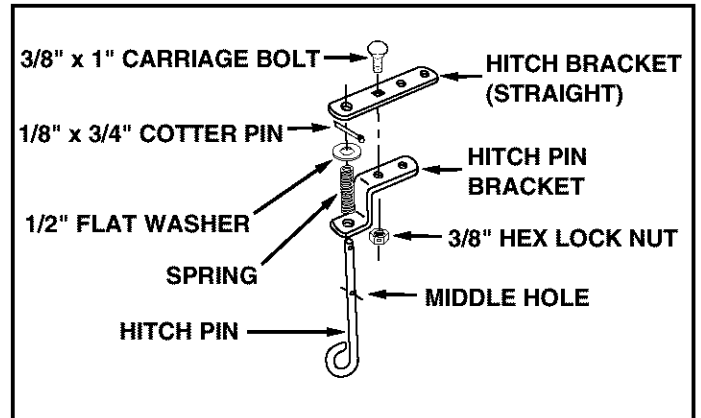


FIGURE 3

If your tractor hitch has 10" to 13" ground clearance refer to the instructions for figure 4. If your tractor hitch has less than 10" ground clearance, refer to the instructions for figure 5.

- Place the bent hitch bracket on top of the hitch tubes and place the straight hitch bracket with hitch pin underneath the hitch tubes. Fasten together using a 5/16" x 2-1/2" hex bolt (front), a 5/16" x 2-1/4" hex bolt (rear) and two 5/16" hex lock nuts as shown in figure 4. The bolts should straddle the front hitch tube bolt. **Do not tighten yet**.
- At this time **tighten** the four bolts fastening the hitch tubes to the sweeper housing. Next, **tighten** the two bolts fastening the hitch tubes together. Finally, **tighten** the two bolts fastening the hitch brackets to the hitch tubes.
- Assemble the two 3/4" spacers onto the hitch pin and secure the pin with the 1/8" hairpin cotter. See figure 4.

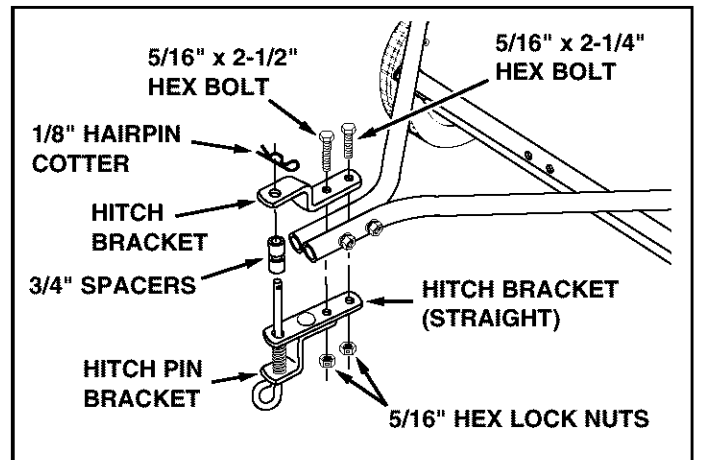


FIGURE 4

If your tractor hitch has 8" to 10" ground clearance refer to the instructions for figure 5. If your tractor hitch has more than 10" ground clearance, refer back to the instructions for figure 4.

- Place the bent hitch bracket underneath the hitch tubes and place the straight hitch bracket with hitch pin on top of the hitch tubes. Fasten together using a 5/16" x 2-1/2" hex bolt (front), a 5/16" x 2-1/4" hex bolt (rear) and two 5/16" hex lock nuts. See figure 5. The bolts should straddle the front hitch tube bolt. **Do not tighten yet.**
- At this time **tighten** the four bolts fastening the hitch tubes to the sweeper housing. Next, **tighten** the two bolts fastening the hitch tubes together. Finally, **tighten** the two bolts fastening the hitch brackets to the hitch tubes.
- Assemble the two 3/4" spacers onto the hitch pin and secure the pin with the 1/8" hairpin cotter. See figure 5.

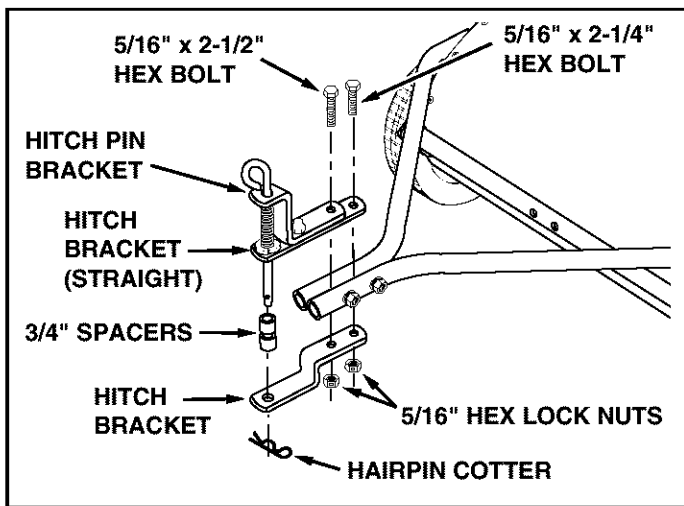


FIGURE 5

- Assemble the height adjustment handle to the height adjustment tube using two curved head bolts, bowed washers, 5/16" lock washers and 5/16" hex nuts. **Do not tighten yet.** See figure 6.
- Assemble the grip onto the height adjustment handle. See figure 6.

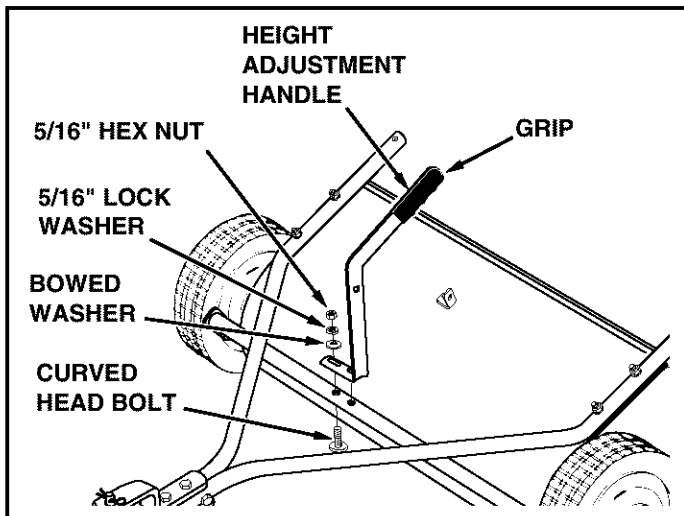


FIGURE 6

- Insert a 5/16" x 3/4" hex bolt through the angle bracket. Assemble onto the bolt (in order) the spacer bushing, the height adjustment strap, a 5/16" standard flat washer and a 5/16" hex lock nut. **Tighten.** See figure 7.

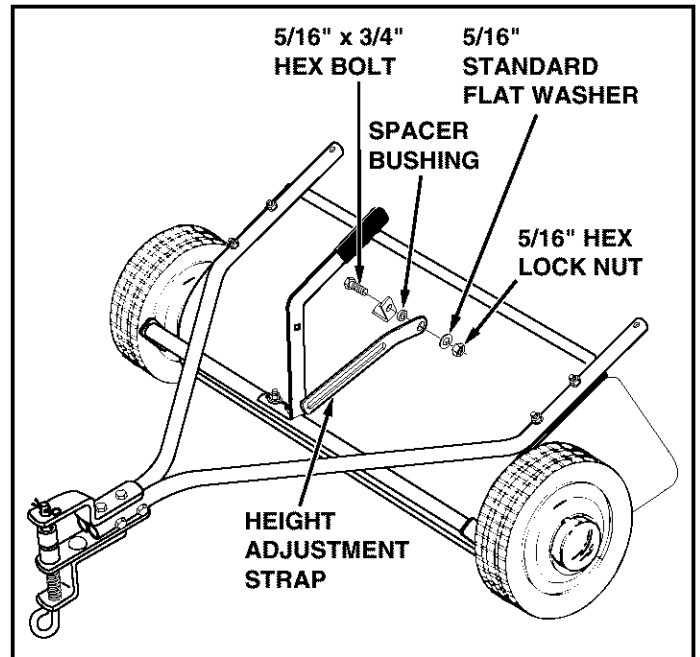


FIGURE 7

- Position the height adjustment handle side to side so that the tooth lock washer can fit between the handle and the height adjustment strap. **Tighten** the nuts securing the height adjustment handle. See figure 8.
- Insert the 5/16" x 3/4" carriage bolt through the height adjustment handle. Assemble onto the bolt (in order) the 5/16" tooth-lock washer, the height adjustment strap, a 5/16" standard flat washer and the plastic knob. See figure 8.

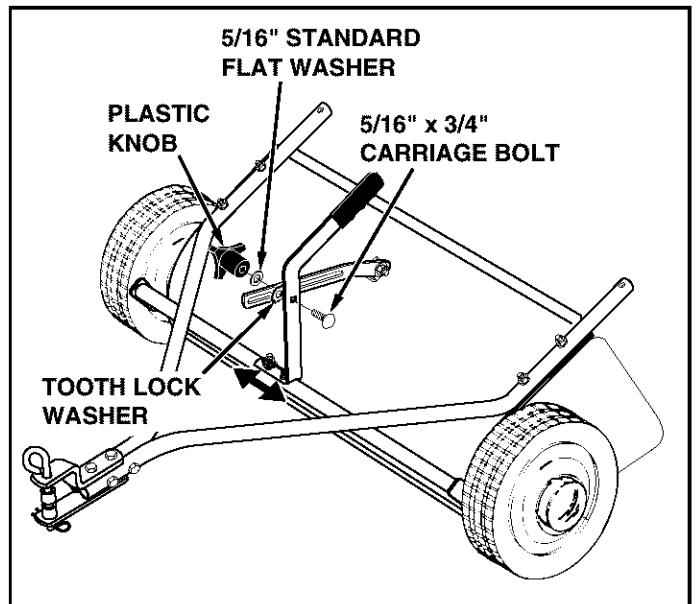


FIGURE 8

ASSEMBLY OF HOPPER BAG

- Hold the (LH) upper hopper tube so that the hole for the brace rod faces down. Insert the (LH) upper hopper tube down through the stitched flap on the left side of the hopper bag. Repeat for the right hand upper hopper tube. See figure 9.

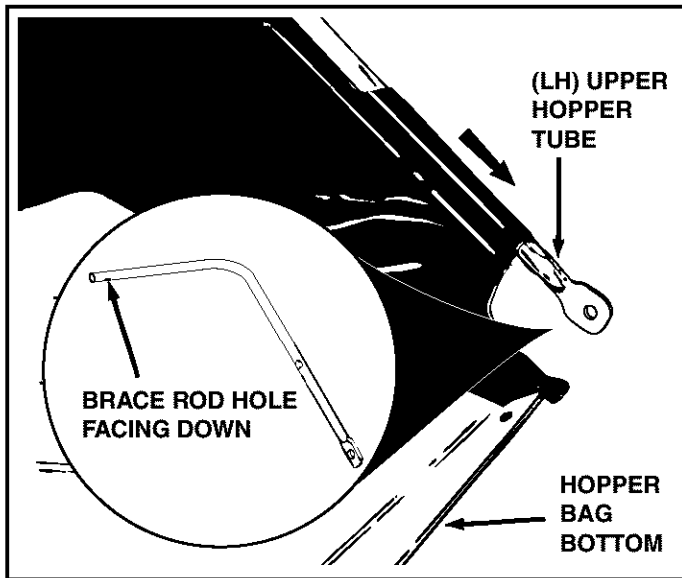


FIGURE 9

- Slide the two upper hopper tubes together and line up the center holes as shown in figure 10.
- Fasten the upper hopper tubes together by inserting a plastic plug into the center holes. See figure 10.

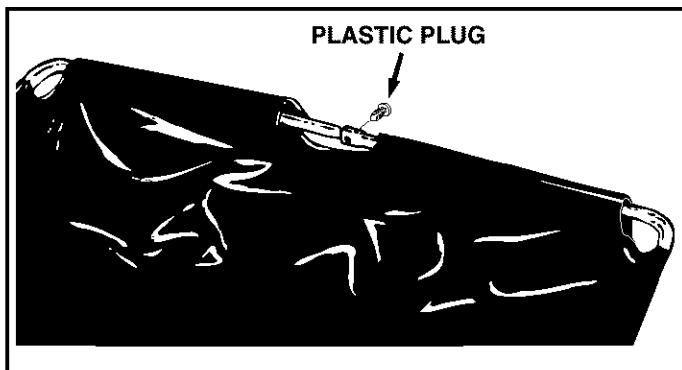


FIGURE 10

- Turn the rear hopper tube so that the brace holes in the middle of the tube **face up**. Assemble the ends of the rear hopper tube onto the ends of the lower hopper side tubes. Fasten together using plastic plugs. See figure 11.

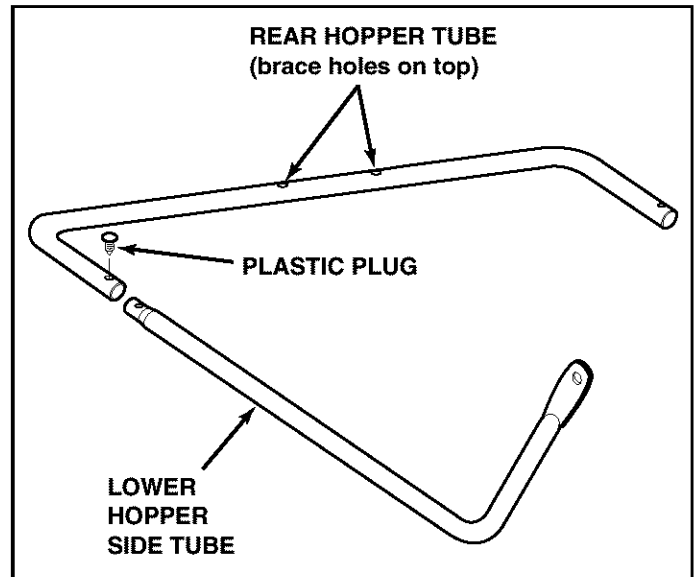


FIGURE 11

- Place the assembled lower hopper tubes into the bottom of the hopper bag as shown in figure 12.
- Attach the ends of the lower hopper side tubes to the **inside** of the upper hopper tubes using two $3/8" \times 1/2"$ clevis pins inserted from the inside, and two $3/32"$ hair cotter pins. See figure 12.

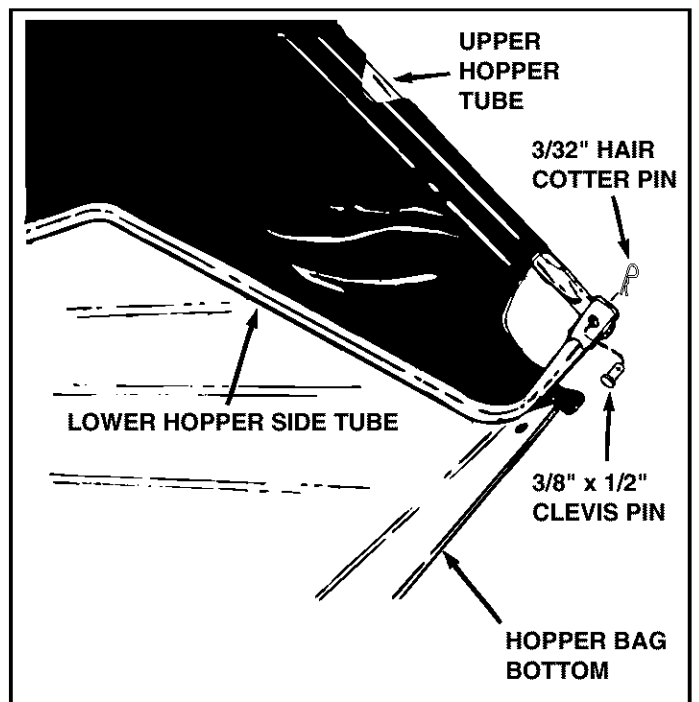


FIGURE 12

- Insert the bag frame strap into the stitched sleeve along the front edge of the bag bottom. See figure 13.
- Assemble the bag frame strap to the holes in the lower hopper tubes using two 1/4" x 1-1/8" clevis pins and 3/32" hair cotter pins. See figure 13.

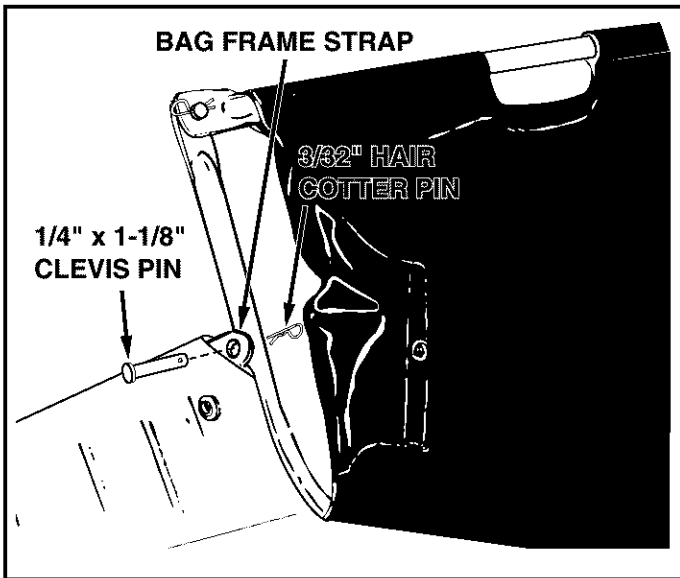


FIGURE 13

IMPORTANT: Do not over bend the support rods during the following step. Over bending will cause the spring steel rods to loose supporting tension.

- Assemble the two hopper support rods as shown in figure 15. Place the ends of the rods into the upper and lower hopper tubes, bending the rod just enough to fit into the holes in the tubes.

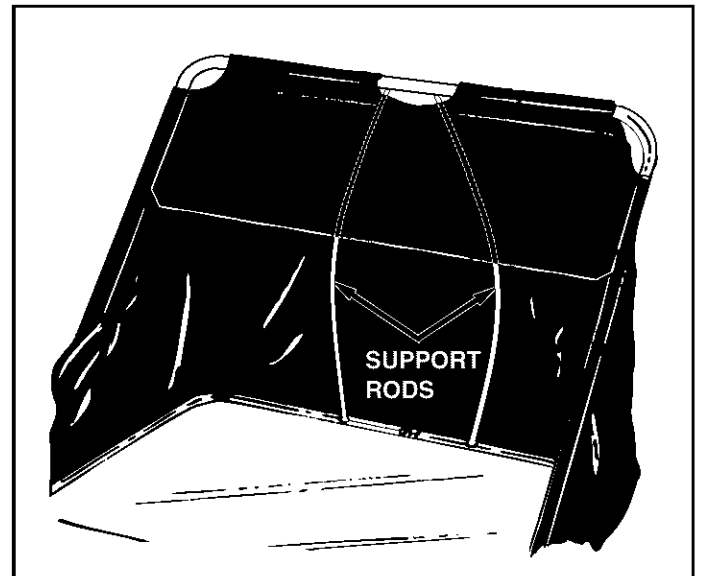


FIGURE 15

- Secure the bag corners around the lower hopper tubes by snapping the bag flaps to the bag bottom. See figure 14.

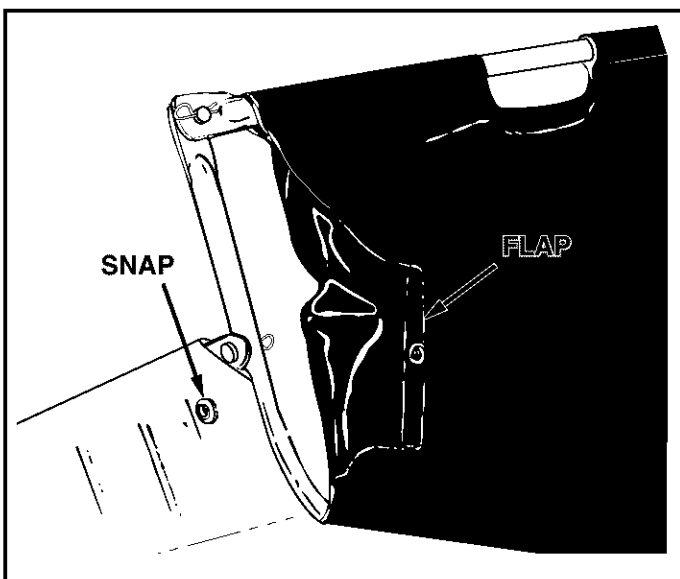


FIGURE 14

- Assemble a vinyl cap onto each bag arm tube as shown in figure 16.

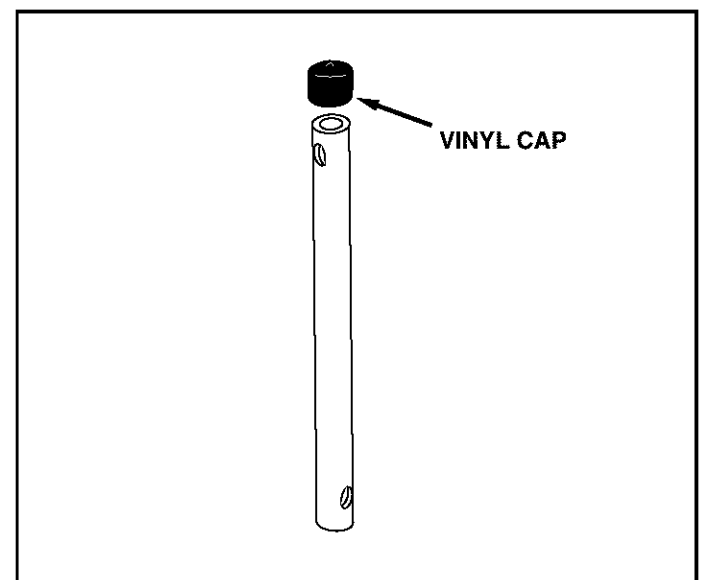


FIGURE 16

- Slide the hopper bag pivot rod through the upper hopper tubes and the stitched sleeve on the front of the wind screen, assembling a hopper mount clamp and a bag arm tube onto the rod on each side as shown in figure 17.

HINT: If you have difficulty assembling the hopper bag pivot rod through the stitched sleeve, try removing the hopper support rods from the rear of the bag.

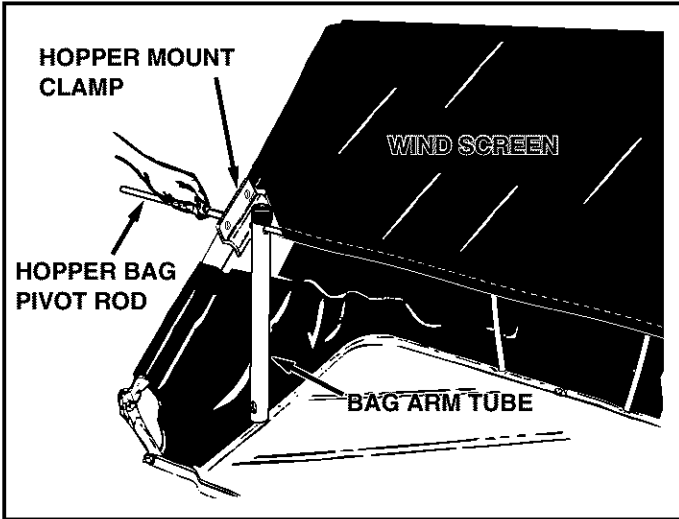


FIGURE 17

- Assemble the two remaining hopper mount clamps onto the pivot rod on the outside of the bag. Fasten them to the inside clamps using four 5/16" x 3/4" carriage bolts and 5/16" (SEMS) hex nuts. Tighten securely. See figure 18.
- Assemble two palnuts by lightly tapping them onto the ends of the pivot rod with a hammer. See figure 18.

HINT: To ease assembly of the palnuts, place the bag on its side on a hard surface. With the bottom end of the pivot rod against the surface, tap a palnut onto the top end of the rod. Repeat for other end of rod.

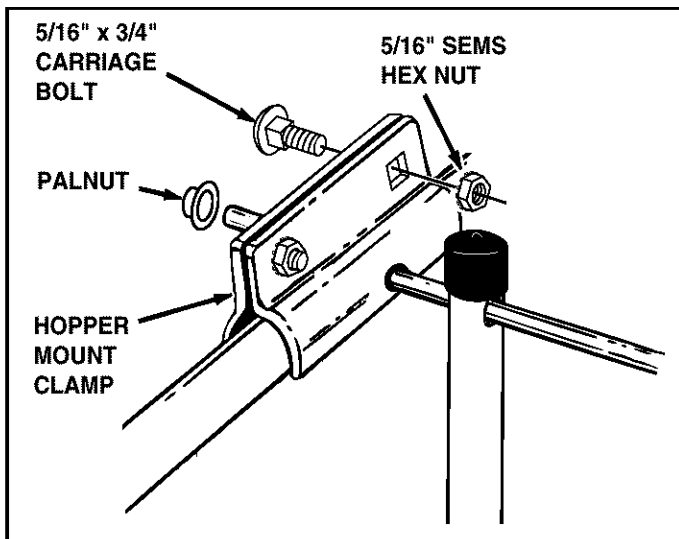


FIGURE 18

- Secure the rope to the top center of the hopper bag frame as shown in figure 19.

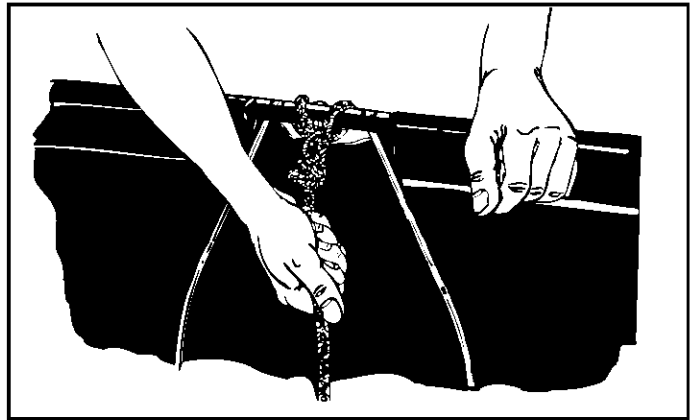


FIGURE 19

- To assemble the hopper bag to the sweeper, slide the ends of the bag arm tubes into the ends of the hitch tubes and secure with two 1/4" x 1-3/4" clevis pins and 3/32" hairpin cotters. See figure 20.

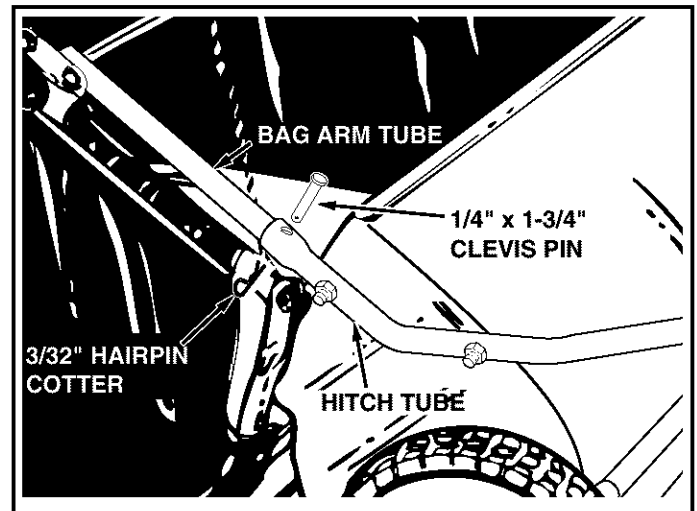


FIGURE 20

- Go to the instructions in the dethatcher owner's manual to assemble and attach the dethatcher.

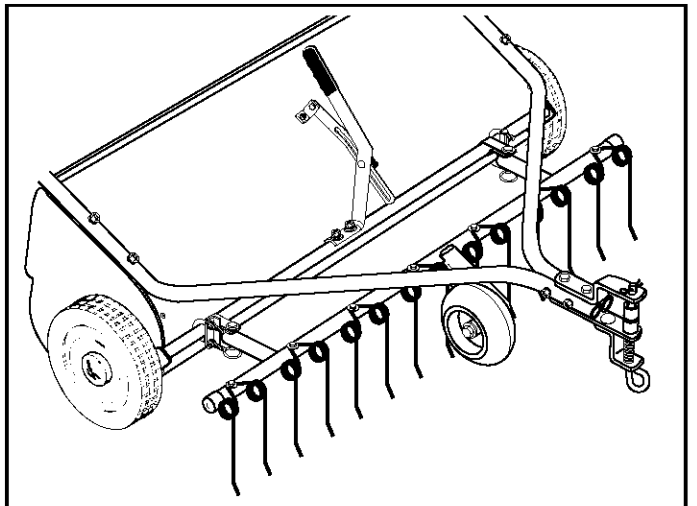


FIGURE 21

ATTACHING SWEEPER HITCH TO TRACTOR

- Place the tractor and sweeper on a flat level surface.
- Set the sweeper height adjustment handle to about the middle of its adjustment range.
- Attach the sweeper hitch to the tractor hitch, arranging the 3/4" spacers in one of six possible combinations as shown in GROUP A and GROUP B diagrams below.

IMPORTANT: To obtain the best performance from your sweeper, arrange the spacers so that the sweeper bag is approximately level with the ground and approximately 5" to 7" off the ground as shown in figure 22.

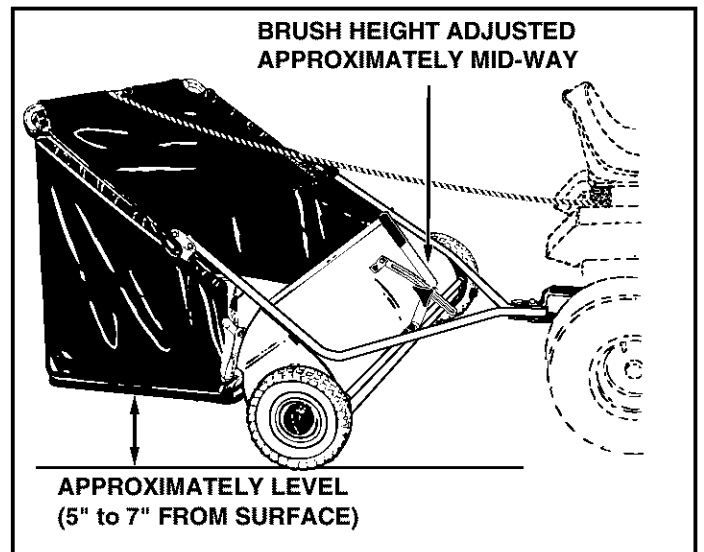
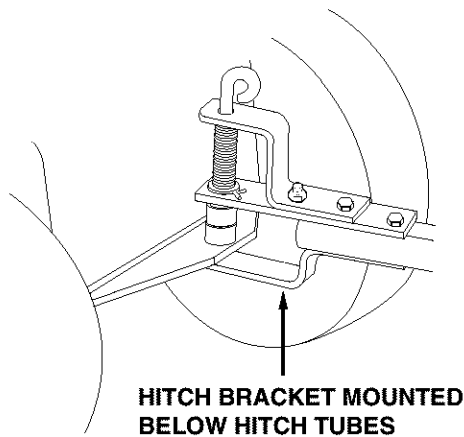
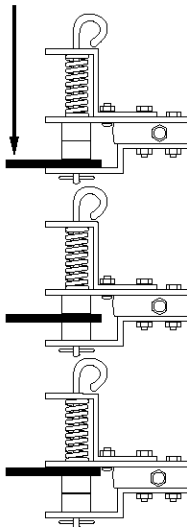


FIGURE 22

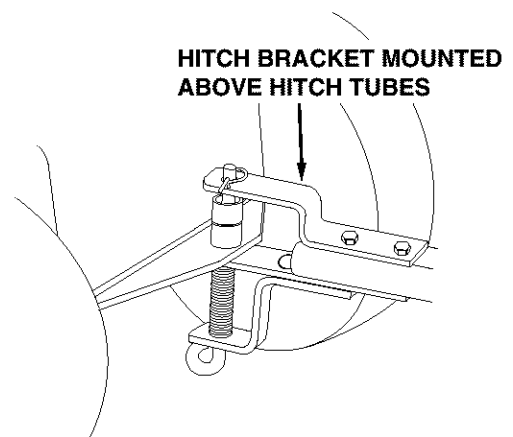
GROUP "A" - For vehicles with hitches having 8" to 10" ground clearance.



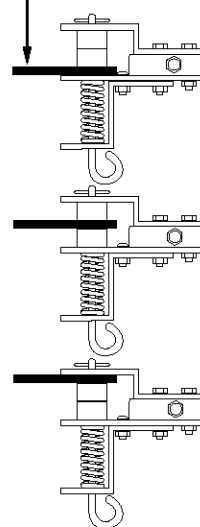
BLACK LINE IS TRACTOR HITCH



GROUP "B" - For vehicles with hitches having 10" to 13" ground clearance.

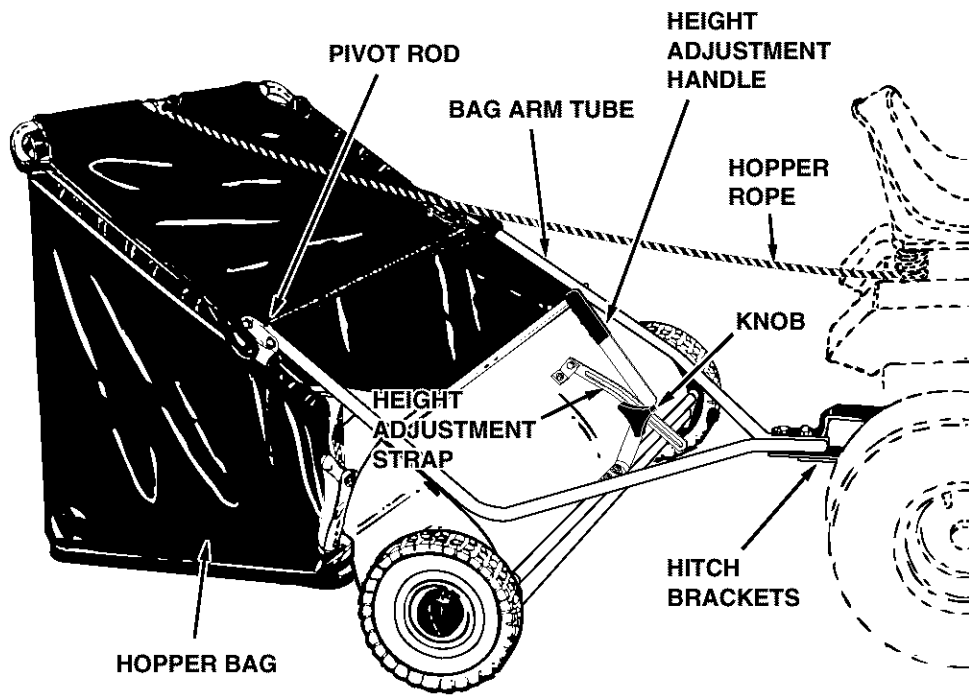


BLACK LINE IS TRACTOR HITCH



OPERATION

KNOW YOUR SWEEPER



Hopper Bag	Collects grass clippings, leaves and debris.
Hopper Rope	Permits dumping of hopper bag from driver's seat.
Windscreen	Helps prevent collected material from being blown out of hopper bag.
Bag Arm Tubes	Connects the hopper bag to the sweeper housing.
Pivot Rod	Allows hopper bag to tilt forward to dump material.
Height Adjustment Handle	Adjusts the operating height of the sweeper.
Height Adjustment Strap	Holds the height adjustment handle in position when locked.
Knob	Locks the height adjustment handle to the height adjustment strap.
Hitch Bracket	Connects the sweeper to the towing vehicle. Adjusts for various height tractor hitches.

HOW TO USE YOUR SWEEPER

BRUSH HEIGHT ADJUSTMENT

- To adjust your sweeper brushes to the best operating height, loosen the adjustment knob and push down on the height adjustment lever to raise the brush, or push up on the lever to lower the brush. See figure 22. Best adjustment is when the brush setting is 1/2" down into the grass. Always mow the grass to an even height before sweeping.

SWEEPING SPEED

- Try a starting speed of approximately 3 m.p.h. (third gear on most tractors). Depending on the conditions, it may be necessary to adjust the sweeping speed in order to achieve best results.

DUMPING OF SWEEPER

- Your sweeper can be dumped easily without getting off of the rider or tractor. Simply pull the rope forward to dump the hopper. Always empty hopper after each use.



CAUTION: Never attach the hopper rope to any part of your body or clothing! **Never hold onto** the rope while towing the sweeper! **Attach the rope** to the towing vehicle to keep it away from wheels and rotating parts.



CAUTION: Keep sweeper away from fire. Excessive heat can damage the brushes and hopper bag and could cause the bag and its contents to burn.

MAINTENANCE

CUSTOMER RESPONSIBILITIES

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

MAINTENANCE SCHEDULE Fill in dates as you complete regular service.	Service Dates					
	Before each use	After each use	Twice a year	Every season	Before storage	Every two years
Check for loose fasteners	X					
Check for worn or damaged parts	X		X			
Lubricate brush shaft bearings		X				
Lubricate wheel bearings			X			
Clean Sweeper		X		X		
Clean/Lubricate gears					X	

SCHEDULED MAINTENANCE

- Clean the sweeper after each use. Inspect for worn or damaged parts, such as brushes and wheels.
- Lubricate the brush shaft bearing twice a year with a few drops of light weight oil. See figure 23.

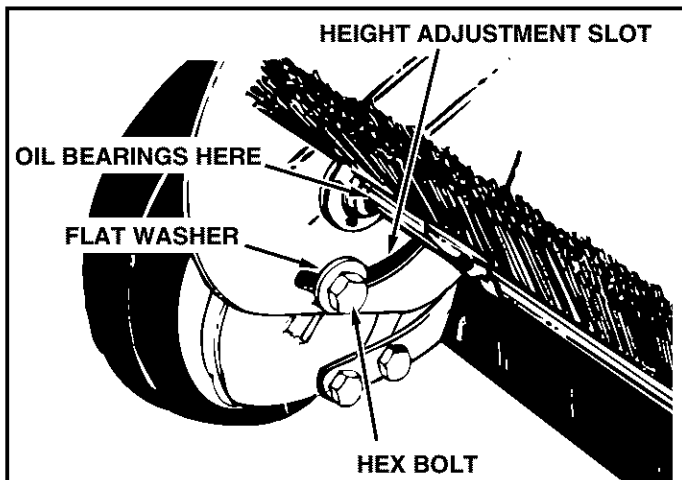


FIGURE 23

- Every two years, remove the wheels and clean the gears found inside the wheel housing. After cleaning, lubricate with an even coat of light grease. To remove the wheel, pop off the hub cap using a screwdriver and remove the lock nut and flat washer. See figure 24.

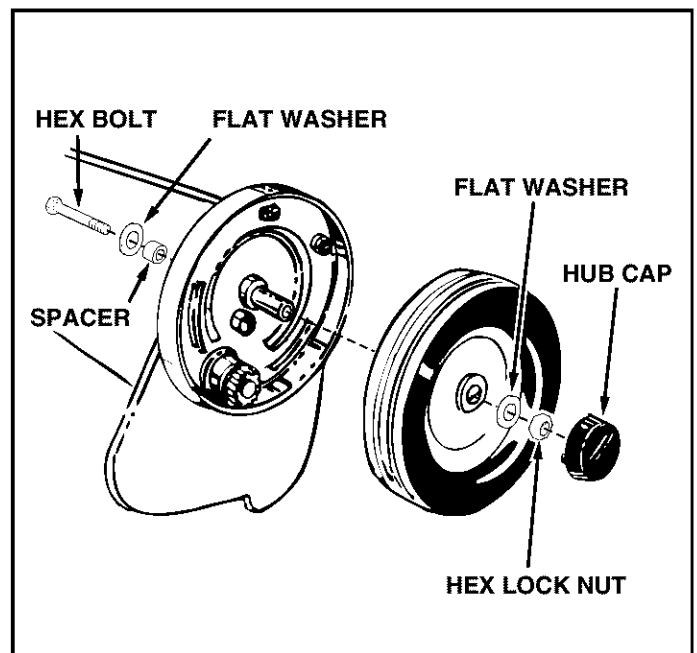


FIGURE 24

CLEANING

- Clean sweeper housing with a soft brush or cloth.
- Clean debris from hopper bag with a brush or broom.
- Remove any material which has wrapped around brushes or ends of brush shaft.

STORAGE



CAUTION: Before storing the sweeper, always empty the hopper bag to avoid spontaneous combustion.

- Clean the sweeper and hopper bag thoroughly to help prevent rust and mildew.
- To collapse the hopper bag for storage, remove the two hopper support rods from the rear of the hopper.
- Store in a dry area.

SERVICE AND ADJUSTMENTS

BRUSH REPLACEMENT

NOTE: Brush replacement should be done one brush at a time.

- Remove the hopper bag from the sweeper.
- Loosen the hex bolts and lock nuts on two single brush retainers which clamp one brush to the double brush retainers. **Do Not loosen** or remove the bolts which fasten the double brush retainers to the brush shaft. See figure 25.
- Slide the brush out of the retainers, noting on which side of the brush the bristles overlap. See figure 25.
- Install new brush, making sure the bristles overlap on the same side of the brush as before. See figure 25.

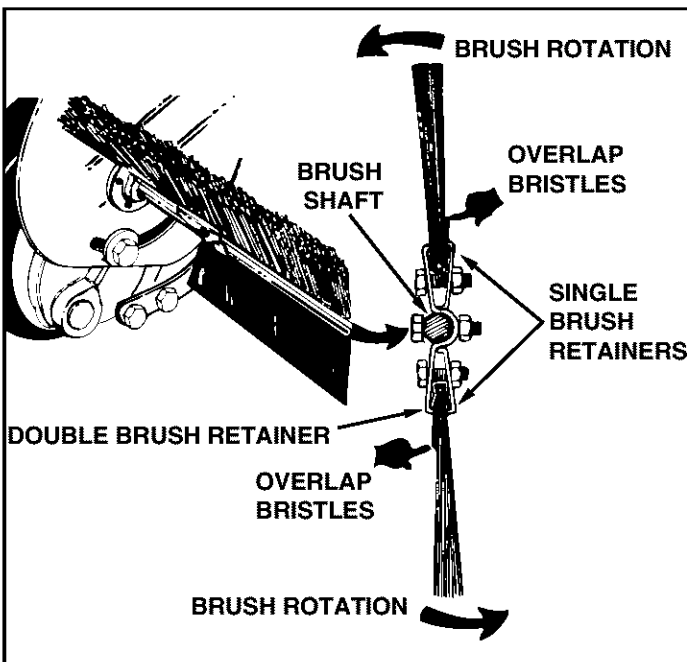


FIGURE 25

WHEEL GEAR AND PAWL SERVICE

IMPORTANT: Do not remove both wheels at the same time to avoid mixing of parts. (The R.H. and L.H. ratchet gears are not interchangeable.) **Make notes** on the position of washers and snap rings during disassembly.

- Remove one wheel from the sweeper.
- Remove the retaining rings and washers which hold the ratchet gear onto the brush shaft.
- Remove the gear by sliding it off the brush shaft. (Look for the drive pin, which may fall out of the brush shaft when the ratchet gear is removed.) See figure 26.
- To reassemble, insert the drive pin through the hole near the end of the brush shaft. Make sure the pin slides back and forth easily in the shaft.
- Lightly grease the shaft and fill the ratchet gear with grease. Assemble the ratchet gear back onto the shaft.
- Lightly grease the axle and the wheel's gear teeth and then reassemble the wheel. The brushes should rotate **only** during forward rotation of the wheel. If the brushes are driven (rotated) by both forward and reverse rotation of the wheel, the drive pin is jamming in the ratchet gear. Disassemble to clean and lubricate the drive pin and the ratchet gear.

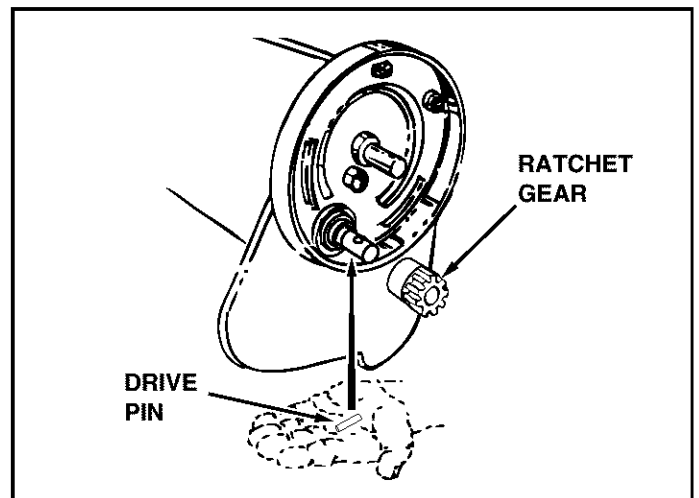


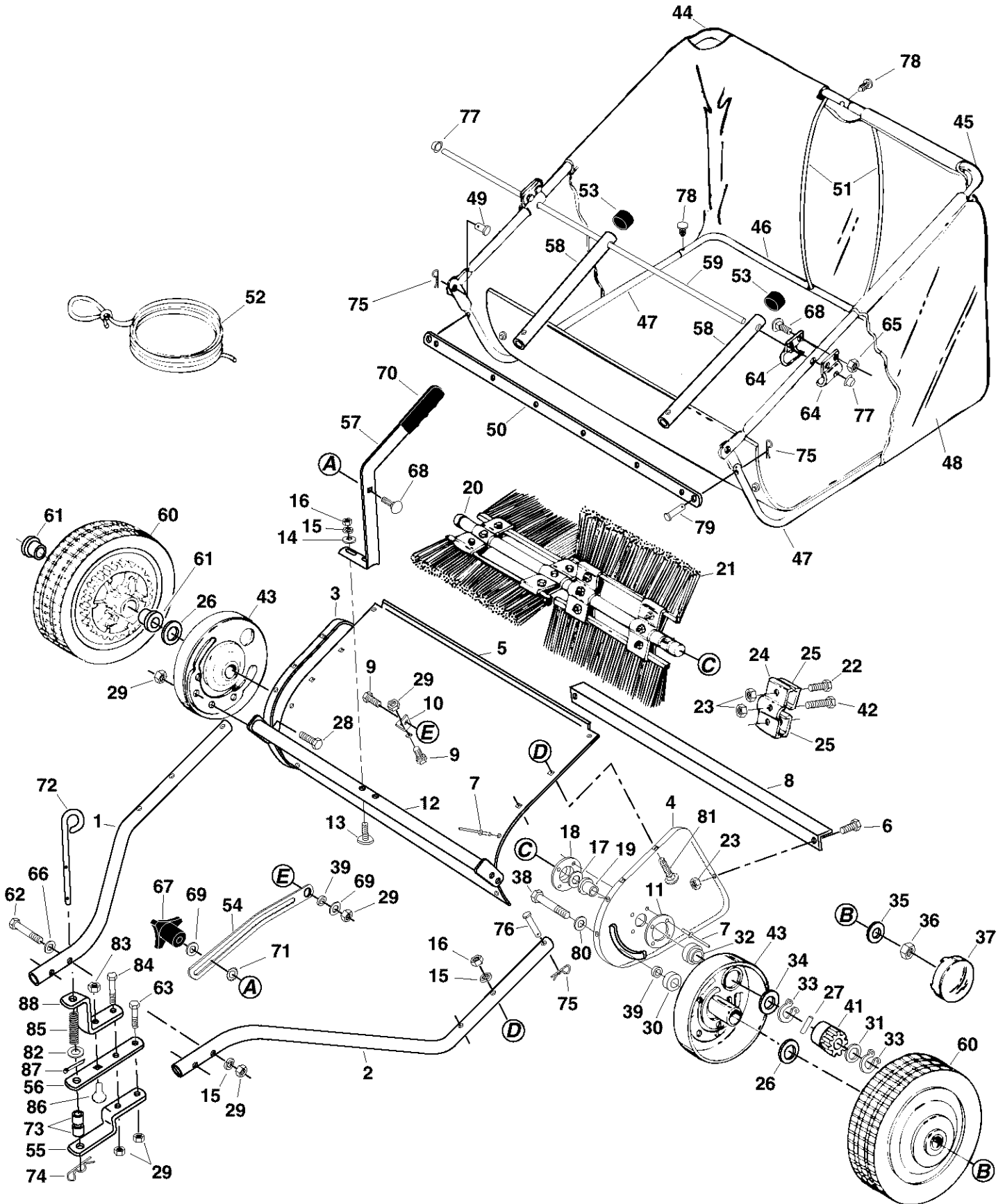
FIGURE 26

TROUBLESHOOTING

Wheels skid when sweeping.	<ul style="list-style-type: none">• Brushes set too low.• Brushes are jammed• Wheels are jammed.	<ul style="list-style-type: none">• Adjust height till brushes are 1/2" down into grass.• Stop sweeper. Remove obstruction.• Remove one wheel at a time to check for obstruction or damage. Refer to Service and Adjustments section.
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PARTS

REPAIR PARTS FOR MODEL 486.24212 - 46" LAWSWEEPER



REPAIR PARTS LIST FOR MODEL 486.24212 - 46" LAWSWEEPER

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	48602	1	Hitch Tube, R.H.	45	46735	1	Tube, Upper Hopper L.H.
2	48601	1	Hitch Tube, L.H.	46	47477	1	Tube, Rear Hopper
3	24950	1	End Plate, R.H.	47	48726	2	Tube, Lower Hopper Side
4	24951	1	End Plate, L.H.	48	48401	1	Hopper Bag
5	24953	1	Wrapper	49	48366	2	Clevis Pin, 3/8" x 1/2"
6	43175	2	Bolt, Hex 1/4-20 x 1/2" Lg.	50	24189	1	Strap, Bag Frame
7	C-9M5732	14	Rivet, Pop	51	43938	2	Rod, Hopper Support
8	24871	1	Brace, Rear Support	52	43737	1	Hopper Rope
9	43182	2	Bolt, Hex 5/16-18 x 3/4"	53	44481	2	Cap, Vinyl
10	23826	1	Bracket, Angle	54	24979	1	Strap, Height Adjustment
11	23336	2	Washer, Special	55	23687	1	Bracket, Hitch
12	64521	1	Height Adjustment Tube Ass'y.	56	24192	1	Bracket, Hitch (Straight)
13	44947	2	Bolt, Cvd. Hd. 5/16-18 x 1-5/8" Lg.	57	24981	1	Handle, Height Adjustment
14	44695	2	Washer, Bowed 1" x .32" x .06"	58	46781	2	Tube, Bag Arm
15	43086	8	Lock Washer, 5/16"	59	46823	1	Rod, Hopper Bag Pivot
16	43083	6	Nut, Hex 5/16-18 Thread	60	44985	2	Wheel & Tire Ass'y. (with bearings)
17	R19212113	2	Washer, 5/8" SAE	61	45088	4	Wheel Bearing
18	1629-56	2	Retainer, Dust Cover	62	46782	2	Bolt, Hex 5/16-18 x 3" Lg.
19	44910	2	Bushing, Brush Shaft	63	43224	1	Bolt, Hex 5/16-18 x 2-1/4" Lg.
20	24929	1	Brush Shaft	64	23331	4	Clamp, Hopper Mount
21	48600	4	Brush, 46"	65	46980	4	Nut, Hex 5/16-18 (SEMS)
22	43012	8	Bolt, Hex 1/4-20 x 3/4" Lg.	66	R19111116	2	Washer, Flat (5/16) 11/32" x 11/16"
23	43013	14	Nut, Hex Lock 1/4-20 Thread	67	43720	1	Knob, Wing 5/16-18 Thread
24	23580	4	Retainer, Brush (Double)	68	43080	5	Bolt, Carriage 5/16-18 x 3/4" Lg.
25	23581	8	Retainer, Brush (Single)	69	43081	2	Washer, Flat 5/16" Std. Wrt.
26	44008	2	Washer, Flat 1-1/8" x .78" x .025"	70	43943	1	Grip, Height Adjust
27	47046	2	Dowel Pin (Drive)	71	44732	1	Washer, Tooth Lock 5/16"
28	44692	4	Bolt, Hex 5/16-18 x 1/2" Lg.	72	46816	1	Pin, Hitch
29	43064	10	Nut, Hex Lock 5/16-18 Thread	73	23368	2	Tube, Hitch Spacer
30	44911	2	Spacer, .39 I.D". x 1-1/4" O.D. x .5"	74	43343	1	Hairpin Cotter, 1/8" #4
31	44006	2	Washer, Flat .849" x .598" x .025"	75	43055	6	Hairpin Cotter, 3/32" #3
32	46219	2	Spacer, .78 I.D". x 1-1/4" O.D. x .5"	76	46867	2	Pin, Clevis 1/4" x 1-3/4" Lg.
33	1650-21	4	Ring, Retaining .594"	77	44917	2	Palnut, 3/8"
34	44007	2	Washer, Shim 1-1/8" x .594" x .025"	78	48402	3	Plastic Plug
35	141	2	Washer, Flat 1-1/2" x .375" x .062"	79	48365	2	Clevis Pin, 1/4" x 1-1/8"
36	1038	2	Nut, Nylock 3/8-24 Thread	80	43070	2	Washer, 3/8" Std. Wrt.
37	2674-32	2	Hub Cap	81	44215	4	Bolt, Carriage 5/16-18 x 1-3/4"
38	44961	2	Bolt, Hex 3/8-24 x 3-1/4" Lg.	82	R19171616	1	Washer, 1/2"
39	23400	3	Bushing, Spacer	83	43082	1	Nut, Hex Lock 3/8-16
40	48652	1	Gear, Pinion R.H. (not shown)	84	44292	1	Bolt, Hex 5/16-18 x 2-1/2"
41	48651	1	Gear, Pinion L.H.	85	44230	1	Spring
42	43661	4	Bolt, Hex 1/4-20 x 1" Lg.	86	43350	1	Bolt, Carriage 3/8-16 x 1"
43	64559	2	Ass'y, Dust Cover	87	142	1	Pin, Cotter 1/8" x 3/4"
44	46734	1	Tube, Upper Hopper R.H.	88	23684	1	Bracket, Hitch Pin
					48825	1	Owners Manual

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