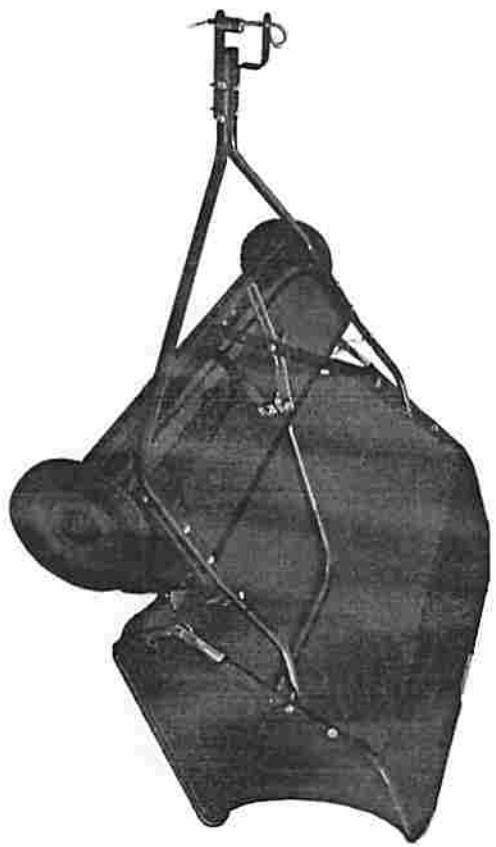


#107083

TOW-BEHIND LAWN SWEEPER



Instruction & Assembly

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

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GENERAL WARNINGS

READ and UNDERSTAND this manual completely before using the Lawn Sweeper. Operator must read and understand all safety and warning information, operating instructions, maintenance and storage instructions before operating this equipment. Failure to properly operate and maintain the lawn sweeper could result in serious injury to the operator or bystanders.

Operation Warnings

- Do not at any time carry passengers, sit or stand on the lawn sweeper.
- Do not allow children to play on, stand upon or climb on the lawn sweeper.
- Always inspect the sweeper before using to assure it is in good working condition.
- Replace or repair damaged or worn parts immediately.
- Always check and tighten hardware and assembled parts before operation.
- Never attach the hopper rope to any part of your body or clothing.
- Only attach the rope to the tow vehicle to keep it away from the wheels and moving parts.
- Avoid large holes and ditches when operating the equipment.
- Be careful when operating the sweeper on steep grades (hill).
- Always operate up and down the slope never across the face of the slope.
- Always operate at reduce speed in rough terrain, along creeks, ditches and on hillsides.
- Do not operate close to creeks, ditches and public highways.
- To avoid personal injury and/or equipment damage **DO NOT EXCEED 5MPH**.
- Always use caution when loading and unloading the hopper.
- Only tow with recommended vehicles (Lawn/Garden Tractors and ATVs).
- Always refer to the vehicle owner's manual for proper towing.
- Sweeper is not designed to be used with zero-turn mowers.
- Always secure and lock sweeper to the vehicle hitch before operating.

Rush and Cut Hazards

- Always keep hands and feet clear from moving parts while operating the equipment.
- Always clear and keep work area clean when operating.
- Always wear safety gear, eye protection, gloves and work boots when operating the sweeper.

WARNING

The warnings, cautions, and instructions outlined in this instruction manual cannot cover all possible conditions or situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product; and must be supplied by the operator.

PROPS 65 WARNING

This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.



DANGER

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

CAUTION

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

ABOUT YOUR TOW-BEHIND LAWN SWEeper

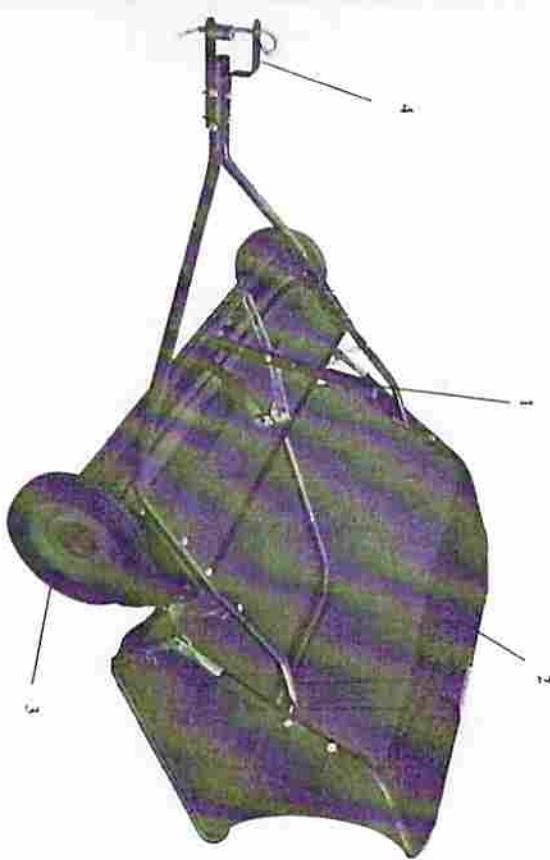
This heavy duty tow-behind lawn sweeper makes yard work a breeze. The steel and nylon construction are durable and lightweight making it easy to tow, rust resistant and easy to clean. The extra large sweeping span makes the job easy and saves time when cleaning different types of debris from grass clipping, twigs, paper, leaves and much more. The tow behind sweeper features a one-handed lever to adjust the brush height. It can be stored in a shed or garage with minimal space. The large hopper makes loading and unloading fast and convenient.

Technical specifications on the lawn sweeper are provided in the "Specifications" section of this manual.

Assembly is Required his product requires assembly before use. See "Assembly" section for instructions. Because of the weight and/or size of the lawn sweeper, it is recommended that another adult be present to assist with assembly. **INSPECT ALL COMPONENTS** closely upon receipt to make sure no components are missing or damaged.

Controls and Features Identification

Read this owner's manual before operating the equipment. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.



A CAUTION

Read and follow all instructions for assembly and operation. Failure to properly assemble this equipment could result in serious injury to the user or bystanders, or cause equipment damage.

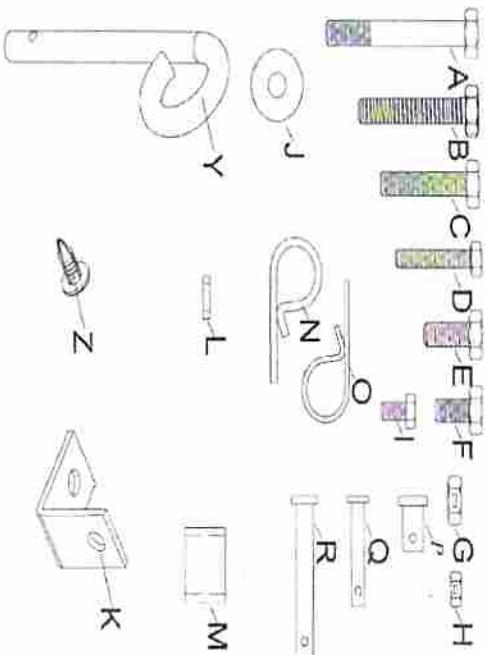
LAWN SWEeper COMPONENT PARTS AND ASSEMBLY

Take all parts out of the shipping crate and inspect components to ensure there are no missing pieces before starting to assemble the sweeper follow steps 1 through 8.

TOOLS REQUIRED

- 10, 13 & 14mm Wrenches
- Pliers

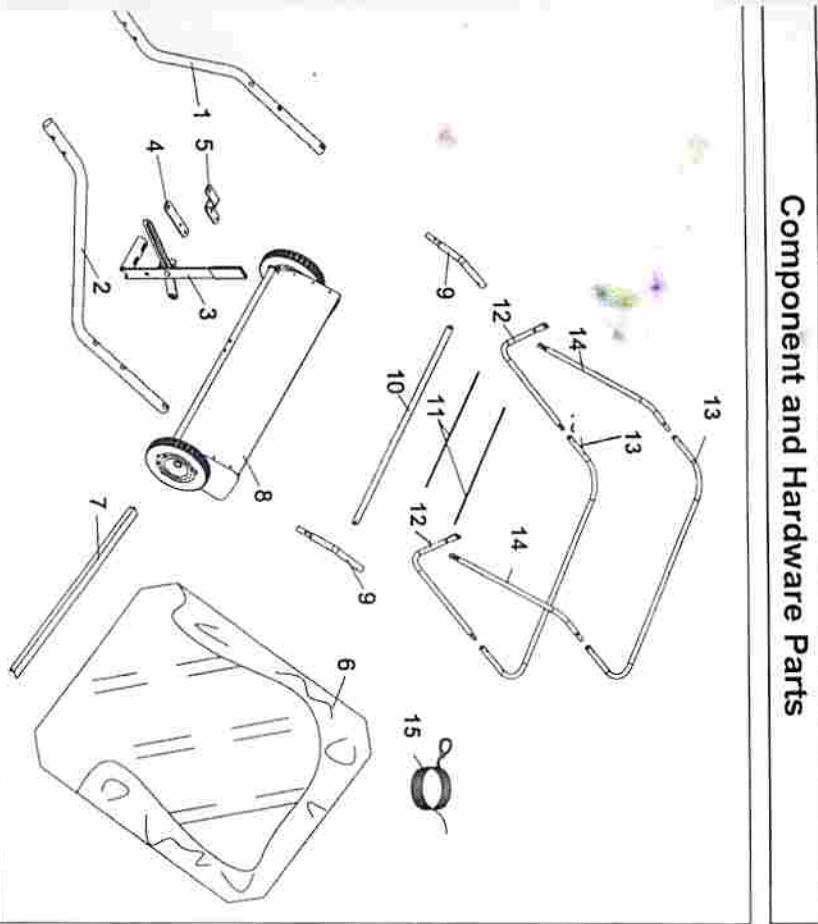
Component and Hardware Parts



REF.	QTY.	DESCRIPTION	REF.	QTY.	DESCRIPTION
A	2	Hex Bolt M8x65	K	1	Angle Bracket
B	2	Hex Bolt M8x50	L	1	Adjustable Pole Spacer
C	2	Hex Bolt M8x40	M	2	Hitch Spacer
D	4	Hex Bolt M6x40	N	5	R Pin Ø3
E	1	Hex Bolt M8x20	O	4	R Pin Ø2
F	1	Hex Bolt M8x16	P	2	Clevis Pin Ø9.5x25
G	8	Nylon Lock Nut M8	Q	4	Clevis Pin Ø8x37
H	6	Nylon Lock Nut M6	R	2	Clevis Pin Ø8x59.5
I	2	Hex Bolt M6x12	S	1	Hitch Pin
J	1	Big Flat Washer Ø8	T	4	Plastic Plug

Component and Hardware Parts

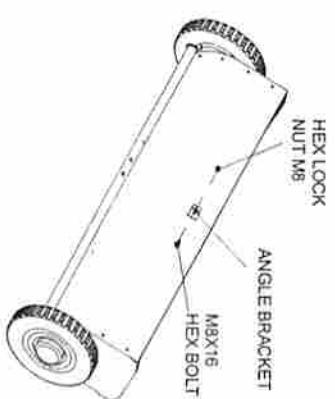
REF. #	QTY.	DESCRIPTION	REF. #	QTY.	DESCRIPTION
1	1	Hitch Tube (RH)	10	1	Bag Frame Strap
1	1	Hitch Tube (LH)	11	2	Hopper Support Rod
1	1	Handle Assembly	12	2	Lower Hopper Side Tube
1	1	Hitch Bracket (Straight)	13	2	Rear Hopper Tube
1	1	Hitch Bracket	14	2	Upper Hopper Side Tube
1	1	Hopper Bag	15	1	Rope
1	1	Connecting Rod			
1	1	Sweeper Housing Assembly			
2	2	Bag Arm Tube			



STEP 1: Attach the Angle Bracket to Sweeper Housing

1. Assemble the angle bracket to the sweeper housing using M8x16 hex bolt and M8 hex lock nut.

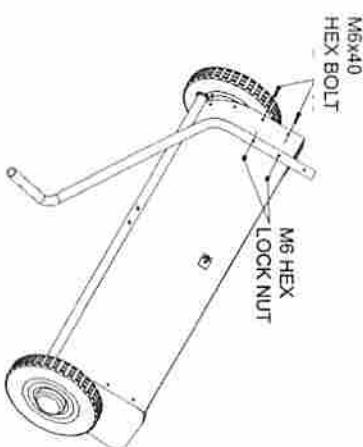
NOTE: Make sure the bracket is turned as shown and aligned straight with the housing and tighten.



NOTE: Right Hand (RH) and Left Hand (LH) are determined from the operators' position while seated on the vehicle.

STEP 2: Attach Hitch Tubes to the Sweeper Housing

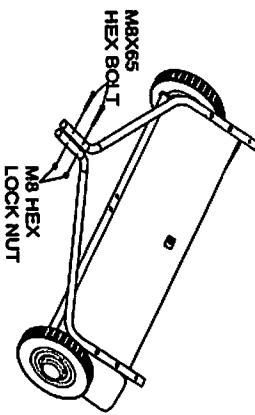
1. Assemble the RH hitch tube to the sweeper housing using M6x40 hex bolt and M6 lock nut. Only loosely tighten.
2. Repeat for the LH hitch tube, loosely tighten.



Assembly Instructions

STEP 3: Fasten Hitch Tubes Together

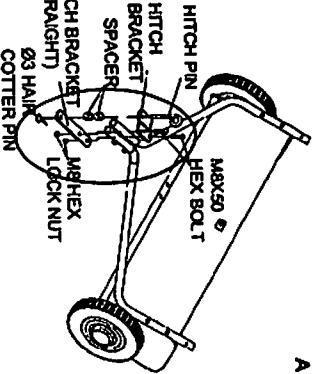
1. Fasten both hitch tubes together using two M8x65 hex bolts and M8 lock nuts. Loosely tighten.
2. Insert a M8x20 hex bolt through the angle bracket. In the following order put the spacer bushing, height adjustment strap, Ø8 big flat washer and M8 lock nut and tighten.



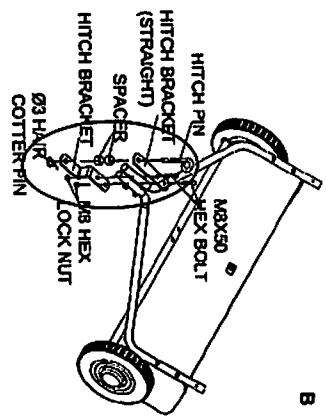
STEP 4: Attach Hitch Bracket to the Hitch Tubes

1. Attach the hitch bracket to the hitch tubes using two M8x50 hex bolts and M8 hex lock nuts. The bolts should straddle the front hitch tube bolt. Loosely tighten.
2. Tighten the four bolts fastening the hitch tubes to the sweeper housing.
3. Next tighten the two bolts fastening the ends of the hitch tubes together.
4. Then tighten the two bolts holding the hitch brackets to the hitch tubes.
5. Put the hitch pin, spacers and the hair cotter pin through the hitch brackets.
6. Before moving to the next step make sure all hardware is tighten.

NOTE: If your vehicles hitch has 11 in. to 13 in. ground clearances use the straight hitch bracket (figure A). If your vehicles hitch has 8 in. to 11 in. ground clearance use the other hitch bracket (figure B).



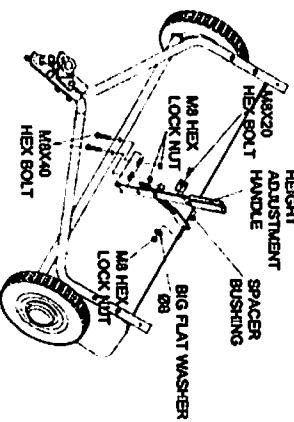
A



B

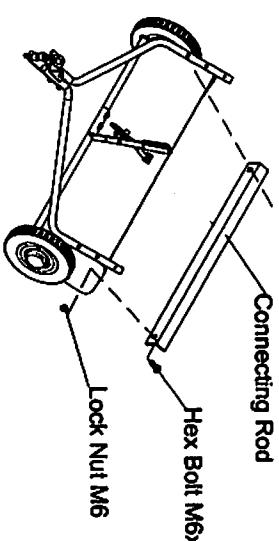
STEP 5: Assemble the Handle Assembly

1. Attach the height adjustment handle to the height adjustment tube using two M8x40 hex bolts and M8 lock nut. Loosely tighten.
2. Insert a M8x20 hex bolt through the angle bracket. In the following order put the spacer bushing, height adjustment strap, Ø8 big flat washer and M8 lock nut and tighten.



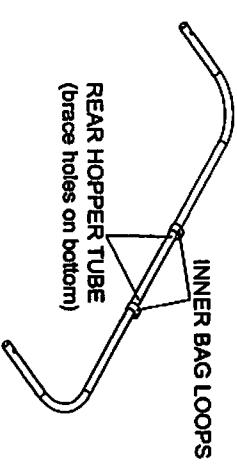
STEP 6: Attach Connecting Rod

1. Attach the connecting rod to the sweeper housing using two sets of M6x12 hex bolts and M6 lock nut.

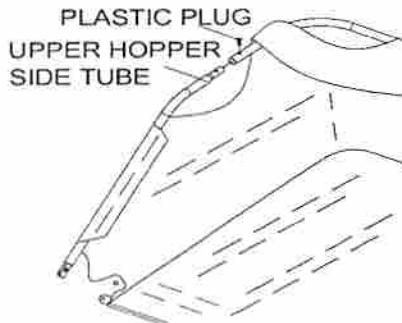


STEP 7: Assemble Hopper Bag

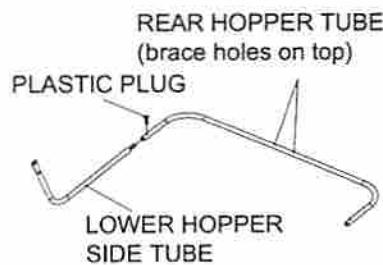
1. Position the rear hopper tube so the brace holes are in the middle and the tube is facing down.
2. Slide the tube through the two sewn in loops at the top of the rear seam inside the bag.



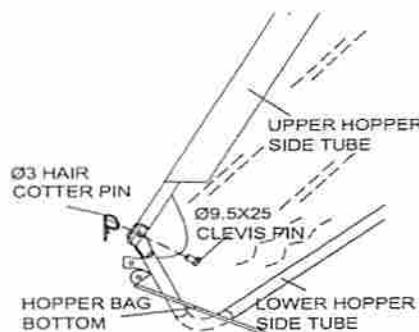
3. Insert the two upper hopper side tubes through the stitched flaps on each side of the bag.
4. Insert the ends of the rear hopper tube onto the ends of the upper hopper side tubes. Fasten together using the plastic plug.



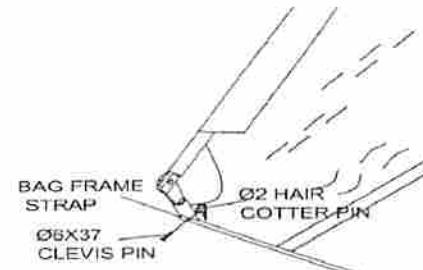
5. Turn the second rear hopper tube so that the brace holes are in the middle and the tube faces up.
6. Attach the ends of the rear hopper tube into the ends of the lower hopper side tubes. Fasten together using plastic plugs.



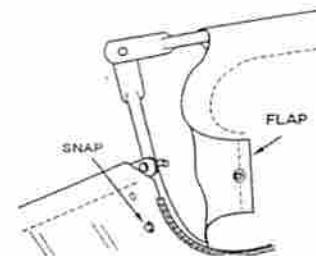
7. Place the lower hopper tube assembly in the bottom of the bag.
8. Attach the ends of the lower side tubes inside the upper side tubes using two Ø9.5X25 clevis pins.
9. From the inside of the bag Insert the two hair cotter pins Ø3.



10. Insert the bag frame strap into the stitched sleeve along the front edge of the bag bottom.
11. Attach the bag frame strap to the lower hopper side tubes using two Ø6X37 clevis pins and two hair cotter pins Ø2.



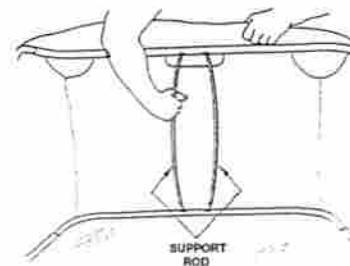
12. Secure the bag carriers around the lower hopper side tubes by snapping the bag flaps to the bag bottom on both sides.



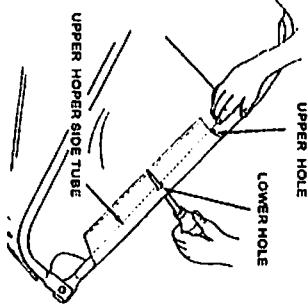
CAUTION

Do not over bend the support rods during the next steps. Over bending will cause the steel rods to lose supporting tension.

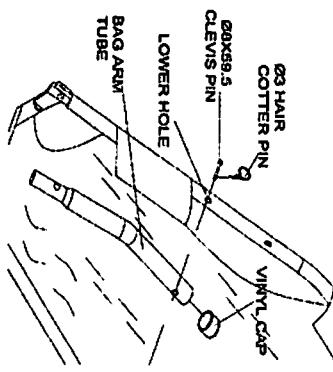
13. Tip the hopper on its back to insert the two hopper support rods.
14. Place the ends of each rod into the upper and lower rear hopper tubes bending the rod just enough to fit into the holes in the tubes.



15. Feel along the stitched flap on the hopper bag to locate the lower hole in each upper hopper side tube. Place a hole through both sides of the stitched flaps in alignment with the lower hole.

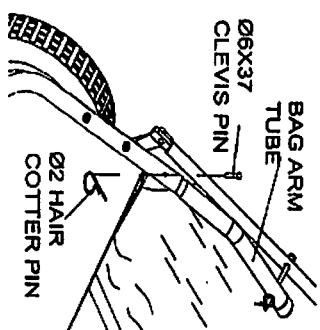


16. Insert a $\varnothing 8 \times 59.5$ clevis pin through the lower hole in each of the upper hopper side tubes.
17. Attach a bag arm tube onto each clevis pin and secure it with a hair cotter pin $\varnothing 3$.

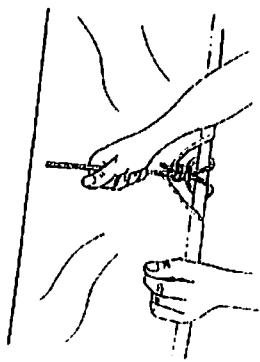


STEP 8: Attach Hopper Bag to Sweeper

1. Slide the ends of the bag arms tubes into the ends of the sweeper's hitch tubes and secure using two $\varnothing 6 \times 37$ clevis pins and hair cotter pins $\varnothing 2$.



2. Tighten all hardware before using the sweeper.



3. Secure the rope to the top center of the hopper bag frame.

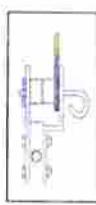
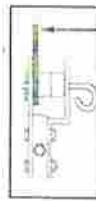
Operation Instructions

WARNING

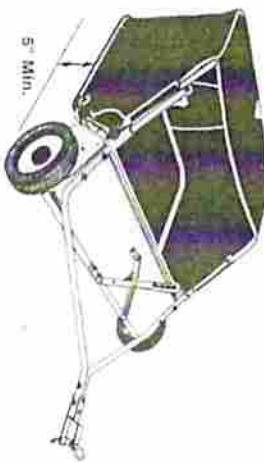
Before operating or using the sweeper, review the instructions below and safety information. Failure to follow these instructions may result in property damage or injury to the operator or bystanders.

TACH SWEeper TO TOW VEHICLE

1. Make sure the tow vehicle and sweeper are on a level surface.
2. Set the sweeper height adjustment handle to the middle position.
3. Attach the sweeper to the vehicle hitch using the spacers to make the bottom of the sweeper bag level as possible with ground.



NOTE: For the best performance the bottom of the sweeper bag needs to be level with the ground with at least a 5" clearance.



ING YOUR SWEeper

1. Adjust the brush height of the sweeper. The best brush setting is $\frac{1}{2}$ " down in the grass.
2. Always mow the grass to an even height before sweeping.
3. For best results when sweeping do not exceed 5 mph. In some cases it may be better to operate and less than 5 mph.
4. Always secure and lock the sweeper to the vehicle hitch before operating.
5. When dumping the sweeper pull the rope forward to dump the hopper. Always empty the 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.

Only attach the rope to the tow vehicle to keep it away from the wheels and rotating parts.

Keep sweeper away from fire or excessive heat will cause damage to the brushes and bag.

Maintenance and Storage

WARNING

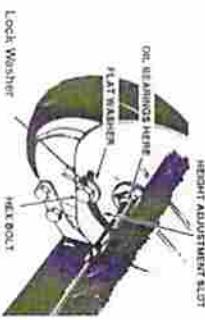
Improper maintenance and storage of the sweeper may void your warranty.

MAINTENANCE

- After each use clean material out of hopper.
- Rinse/dry inside and outside of the sweeper after each use.
- Remove any material which has wrapped around the brushes.
- Periodically check all fasteners for tightness.
- Twice a year apply a few drops of light multipurpose oil to the brush shaft bearings.
- Annually clean and lightly lubricate all moving parts.
- Every two years remove and clean gears and apply an even coat of light synthetic grease.
- Use a glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Never exceed the hopper load capacity rating; it will damage the bag.
- Rinse/dry inside and outside of the sweeper after each use.
- Regularly grease axle and wheel bearing area or when needed.
- Periodically check all fasteners for tightness.

LUBRICATION

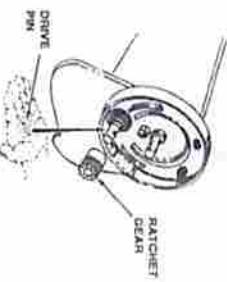
The bearings in the sweeper have been pre-lubricated at the factory; however it is recommended that a few drops of light multipurpose oil should be added to the brush shaft bearing twice a year. Also, the wheels should be removed to clean gears every two years. After cleaning apply an even coat of light synthetic grease.



NOTE: To remove wheel, use a screwdriver to pop off hub cap, remove the lock nut and washer.

WHEEL GEARS/PAWL SERVICE

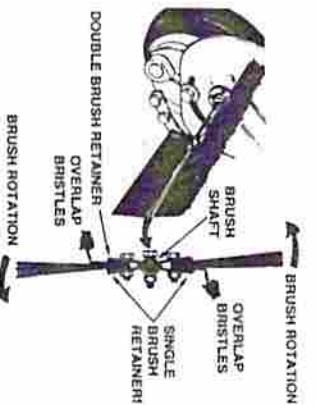
DO NOT remove both wheels at the same time. Remove one wheel at a time to prevent use the wrong parts for the opposite side (left and right sides are different). When removing gears make notes on position of all washers and other parts.



BUSH REPLACEMENT

- Only replace one brush at a time.
- Tip the sweeper forward on housing. Do not remove the hex bolts from double brush retainers.
- Loosen hex bolts and hex lock nuts from single brush retainers. Slide brush out of retainers, making note of over-lap bristles position.

Install new brush, make sure the over-lap bristles are in the positioned as before



Specifications

Frame Construction.....
Hopper Construction.....
Hitch Type.....
Wheel Type.....
YTL -002-186 / YTL-013-758 Working Width.....
YTL -002-186 / YTL-013-758 Wheel Size.....
YTL -002-124 / YTL-013-765 Working Width.....
YTL - 002-124 / YTL-013-765 Wheel Size.....

17

18

IMPORTANT:

a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operations.

WARNING

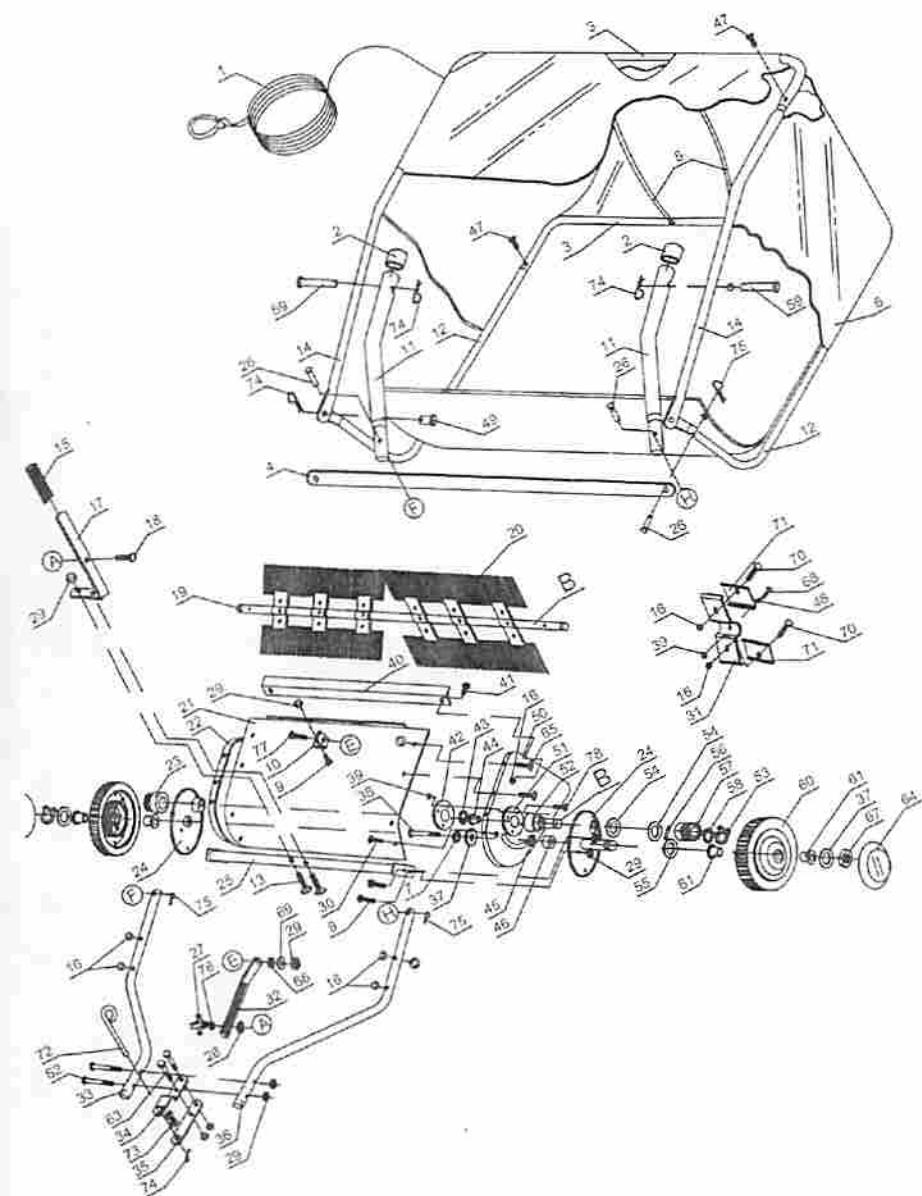
Before storing the sweeper always empty the hopper bag to avoid spontaneous combustion.

TORAGE

- Empty hopper bag before storing the sweeper.
- Clean the sweeper and hopper thoroughly to help prevent rust and mildew.
- Before storing make sure the sweeper is clean and dry for years of trouble free service.
- Collapse the hopper bag for storage, remove the two support rods from the rear of the hopper.
- Lightly lubricate all sweeper surfaces and moving parts to prevent rust.
- Store indoors or protected area during severe weather and winter months.

Specifications

Parts Drawing & Parts List



Parts Drawing & Parts List

Part No	Description	Qty.	Part No	Description	Qty.
1	Hopper Rope	1	41	Hex Bolt M6x12	2
2	Vinyl Cap	2	42	Dust Cover Retainer	2
3	Hopper Frame Tube (Rear)	2	43	Inside Star Washer	2
4	Bag Frame Strap	1	44	Brush Shaft Bushing	2
5	Hopper Support Rod	2	45	Spacer Bushing	2
6	Hopper Bag	1	46	Spacer for Axle	2
7	Lock Washer Ø10	2	47	Plastic Bolt	4
9	Hex Bolt M8x16	5	48	Star Washer Ø5	6
10	Angle Bracket	1	49	Clevis Pin C	2
11	Bag Arm Tube	2	50	End Plate (L.H.)	1
12	Lower Hopper Frame Tube	2	51	Special Washer	2
13	Hex Bolt M8x40	2	52	Bushing	2
14	Upper Hopper Frame Tube	2	53	Retaining Ring Ø15	2
15	Height Adjust Gripe	1	54	Adj. Washer A	4
16	Lock Nut M6	18	55	Adj. Washer C	2
17	Height Adjustment Handle	1	56	Dowel Pin (Drive)	2
18	Carriage Bolt M8x30	1	57	Pinion Gear (L.H.)	1
19	Brush Shaft	1	58	Adj. Washer B	2
20	Brush	4	59	Clevis Pin D	2
21	Wrapper	1	60	Wheel & Tire Assembly	2
22	End Plate (R.H.)	1	61	Wheel Bushing	4
23	Pinion Gear (R.H.)	1	62	Hex Bolt M8x65	2
24	Dust Cover Assembly	2	63	Hex Bolt M8x50	2
25	Height Adjustment Tube Assy	1	64	Hub Cap	2
26	Clevis Pin Ø6x37	4	65	Hex Bolt M6x40	4
27	Wing Knob	1	66	Spacer Bushing (Adjust Height)	1
28	External teeth Washer	1	67	Nylon Lock Nut M10	2
29	Hex Lock Nut M8	12	68	Hex Bolt M5x25	6
30	Slotted Pan Head Screw M5x12	6	69	Big Flat Washer Ø8	1
31	Retainer Brush	6	70	Hex Bolt M6x20	12
32	Height Adjustment Strap	1	71	Retainer Brush	12
33	Hitch Tube (R.H.)	1	72	Hitch Pin	1
34	Hitch Bracket	1	73	Cotter Bearing	2
35	Hitch Bracket (Straight)	1	74	R Pin Ø3	5
36	Hitch Tube (L.H.)	1	75	R Pin Ø2	4
37	Big Flat Washer Ø10	4	76	Big Flat Washer	1
38	Hex Bolt M10x85	2	77	Hex Bolt M8x20	1
39	Nylon Lock Nut M5	20	78	Slotted Pan Head Screw M5x16	8
40	Connecting Rod	1			

Limited Warranty

Warranty

For one year from the date of purchase YTL International will replace for the original purchaser, or repair the lawn sweeper. The warranty will not apply to any unit which was not assembled correctly, misused, overloaded or which has been used or operated contrary to our instructions, or which has been repaired or altered by anyone other than an authorized representative.

Warranty Exclusions

This warranty does not cover cosmetic defects such as paint, decals or wear items such as tires. This warranty will not cover failures or problems due to acts of God, or events or forces beyond the control of the manufacturer.

Normal Wear Exclusion

The sweeper needs periodic service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance Exclusion

This warranty will not apply to parts and/or labor if the sweeper has been misused, neglected, involved in an accident, abused, loaded beyond its limits, modified or assembled incorrectly. Normal maintenance is not covered under this warranty.

imits of Implied Warranty and Consequential Damage Exclusion

YTL International disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this lawn sweeper. THIS WARRANTY IS IN EXU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR.

Any exchange unit will be subject to the original warranty. The length of the warranty governing the exchanged unit will have the date as the purchase date of the original unit. This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

YTL International
517 Fabrica Way, Suite J
Borritos, CA 90703
Phone: (888) 723-6534
Phone: (562) 404-8016
Fax: (562) 404-8013
Email: parts@ytlinternational.com