OWNER'S MANUAL

32" REAR MOUNTED, SIDE DISCHARGE **GRASS CATCHER KIT**

MODEL 5708-19

ONE YEAR LIMITED WARRANTY

For one (1) year from date of purchase by the first customer for residential use (thirty (30) days commercial use), NOMA Outdoor Products Incorporated warrants that it will replace free of charge, including labor, any original part of any NOMA Outdoor Products Incorporated product found to be defective by any authorized Service Dealer of the factory.

This warranty does not cover battery (if so equipped) or engine (these items are covered by their manufacturer's own warranty). This warranty does not cover parts that have failed due to normal wear or parts that have failed subject to misuse or abuse. Transportation of the unit or part to and from an authorized Service Dealer or the factory is the responsibility of the owner.

A step by step explanation as to what procedure should be followed for this Warranty is:

- 1. If a part becomes defective, contact the store where the unit was purchased for the name and address of the authorized Service Dealer nearest to you.
- 2. If you cannot locate an authorized Service Dealer, write Service Department of NOMA Outdoor Products Incorporated for the name and address of the authorized Service Dealer in your area or call the Service Department at 1-901-422-1690.
- 3. Return the defective product, along with proof of purchase to such authorized Service Dealer for replacement of any defective part where covered by this warranty.

There is no other express warranty. Implied warranties, including those of merchantibility and fitness for a particular purpose are limited to one (1) year from the date of purchase. Liability for incidental or consequential damages are excluded.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

NOMA Outdoor Products Incorporated

Caller 8000

Jackson, TN 38308-8000

UNIT PARTS AND SERVICE

This manual contains instructions for safety, assembly and maintenance. Read this manual carefully and completely so that you will know proper assembly, use and care of your unit. Also fill in and mail the registra-tion card packed with the unit. For service other than covered in this manual, contact an authorized service dealer. A nationwide parts and service organization has been established to provide locally available parts and service. A list of authorized parts distributors has been included in this manual. When ordering repair parts, always give the following information: 1. The Part Name; 2. The Part Number; 3. The Quantity desired; 4. The Full (eight digit) Model Number of the unit. The model number will be found on a plate attached to the unit.

It means - ATTENTION! BECOME ALERT! A HAZARD Look for this symbol. TO OPERATOR, BYSTANDER, PROPERTY OR EQUIPMENT MAY EXIST.

> **NOMA Outdoor Products Incorporated** Caller 8000 Jackson, Tennessee 38308-8000

Part No. 306929

OPERATIONAL PRECAUTIONS THESE INSTRUCTIONS ARE FOR YOUR PROTECTION. PLEASE READ THEM CAREFULLY.





- 1. Know the controls and how to stop quickly. Read this Owner's Manual and review Riding Mower Manual. Wear safety glasses or eye shields while assembling or operating the riding mower with grass catcher
- 2. When using the riding mower with grass catcher attachment
 - A. DO NOT operate the riding mower without the entire grass catcher assembly or discharge chute deflector inplace.
 - B. Never make any adjustments or repairs while the engine is running.
 - Shut off engine when removing grass from grass catcher or unplugging mower chute or catcher tube.
 - D. DO NOT operate riding mower with grass catcher assembly while barefooted. ALWAYS wear substantial footwear, preferably steel-toed substantial footwear, preferably steel-toed shoes. DO NOT wear loose fitting clothing that could get caught in any moving parts.
 - E. ALWAYS keep clear of discharge chute/tube or any moving parts while engine is running.
 - F. Mow only in daylight or good artifical light.
- 3. ALWAYS place the mower clutch lever in disengage position when not cutting grass, such as when crossing a rock or gravel driveway or roadway and

- when transporting the riding mower with grass catcher attachment.
- 4. Disengage mower blades, stop engine, remove ignition key and set parking brake before leaving operator's position.
- 5. Disengage power to mover blades, stop engine, remove ignition key, set parking brake and disconnect spark plug wire before making any repairs, adjustments or cleaning the riding mower or grass catcher attachment.
- 6. Check grass bags frequently for wear and/or deterioation. Replace worn or damaged bags.
- 7. DO NOT run engine indoors. Exhaust fumes contain CARBON MONOXIDE which is an ODORLESS and **DEADLY GAS.**
- 8. Take all possible precautions when leaving the riding mower unattended, such as disengaging the mower clutch lever, shifting into neutral, setting parking brake, stopping engine and removing ignition key.
- 9. NEVER store grass catcher with grass clippings in the catcher bags. Even a small pile of grass clippings can create enough heat to start a fire.
- 10. If grass catcher attachment will be used on other than level ground, the use of a front weight box is recommended.

	OWNER'S INFORMATION
Record the following in	formation about your unit so that you will be able to provide it in case of loss or theft.
MODEL NUMBER:	(Enter complete 8 digit model number from model plate on unit)
PURCHASE DATE:,	// CODE NO SERIAL NO
DEALER'S NAME AND	ADDRESS
CITY	STATE TELEPHONE

CONTENTS OF SHIPPING CARTON

- Owner's Manual
- Lift Blade Assemblies
- Mower Deck Baffle
- Support Arm
- Mounting Bracket
- Upper Brace
- Grass Catcher Support
- Grass Catcher Cover Assembly
- Deflector
- Transition Chute

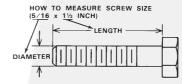
- Upper TubeGrass Bag AssembliesBag of Assembly Parts Containing:
 - 1 Anchor Bracket
 - Rubber Latch Strap
 - Latch Pins
 - 1 Latch Rod
 - Rubber Grommets
 - Cover Hinges
 - Spring Washer
 - Formed (curved) Washer
 Wave Washer

 - Shoulder Bolt
 - ¼ x 1 inch Hex Head Screw
 - 1/4 x 5/8 inch Slot Head Screws

HE COM

- 2 $\frac{1}{4}$ x $\frac{3}{4}$ inch Hex Head Screws 1 $\frac{1}{4}$ x $\frac{1}{2}$ inch Hex Washer Head Self-Tap Screw
- 1/4 inch Locknuts
- 1 5/16 x % inch Carriage Bolt 1 5/16 x ½ inch Hex Head Screw
- 5/16 inch Locknuts
- 2 5/16 inch Wide Flange Locknuts
- 1 3/8 x 11/4 inch Hex Head Lock Screw
- 3/8 x 1 inch Hex Head Screws
- 2 3/8 inch Locknuts
- 11/32 inch Flatwasher
- 5/16 inch Internal Tooth Lockwashers
- 2 5/16 inch Flatwashers
- 9/32 inch Flatwashers (large)
- 2 9/32 inch Flatwashers (small)

The parts bag may contain more fasteners than are required for your kit.



ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

- 1 3/8 inch Wrench (or adjustable wrench)
- 2 7/16 inch Wrenches (or adjustable wrenches)
- 2 1/2 inch Wrenches (or adjustable wrenches)
 2 9/16 inch Wrenches (or adjustable wrenches)
- 1 Pair Pliers (or vice grips)
- 1 Screwdriver

A DANGER A

This riding mower and grass catcher attachment can be dangerous if carlessly used.

Read Operator's Manual thoroughly before operating machine.

Always wear safety glasses or eye shields when assembling or operating machine.

DO NOT carry passengers at any time.

Keep hands, feet, hair and loose clothing away from discharge area, underside of mower deck or any moving parts while engine is running.

DO NOT allow children or young teenagers to operate or be near machine while it is operating.

Your riding mower and grass catcher attachment have a right and left side as you face forward while seated in

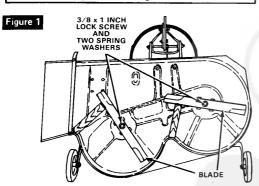
If you have operated your riding mower prior to installing grass catcher kit, remove any accumulation of grass clippings from mower deck before installing kit.

MOWER DECK ASSEMBLY

- 1. Remove mower deck as outlined in Riding Mower Operator's Manual.
- 2. Place a board between blade and inside of mower deck (as shown in figure 1) and with a 9/16 inch wrench, remove blade mounting screws and spring washers by turning screws counter-clockwise.

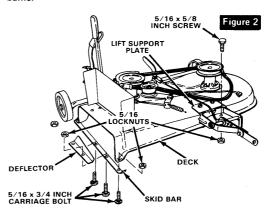
▲ DANGER ▲

DO NOT handle blade with bare hands. Wear gloves or wrap blade with newspaper or other material while removing or reinstalling blade.

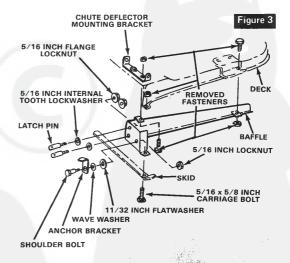


3. Remove both mower blades. NOTE: When installing mower blades for grass catcher kit, you will reuse one mower blade, four spring washers and one blade mounting screw removed in steps 2 and 3.

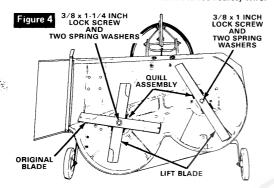
- 4. With a ½ inch wrench, remove two 5/16 inch locknuts and two 5/16 x 3/4 inch carriage bolts (figure 2) used to attach deflector to skid bar and remove deflector.
- 5. Remove the 5/16 inch locknut and 5/16 x 3/4 inch carriage bolt (figure 2) used to attach skid bar to the front of mower deck
- 6. Remove the 5/16 inch locknut and 5/16 x % inch screw (figure 2) that attaches the front left side of lift support plate to mower deck. NOTE: Locknut and screw will be reused (at same location) in step 11 to attach mower deck



- 7. Attach round head latch pins to rear two holes in outside end of baffle as shown in figure 3 with two 5/16 inch internal tooth lockwashers and two 5/16 inch flange locknuts. NOTE: It may be necessary to hold latch pins with a pair of pliers or vice grips to tighten locknuts.
- 8. Attach anchor bracket to front hole in outside end of baffle with a shoulder bolt, wave washer, 11/32 inch flatwasher and a 5/16 inch locknut as shown in figure 3.
- 9. Remove front screw from chute deflector mounting bracket.



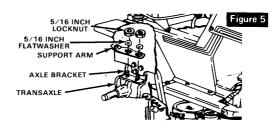
- 10. Attach mower deck baffle to mower deck as shown in figure 3. Replace removed $5/16 \times 34$ inch carriage bolt with a $5/16 \times 34$ inch carriage bolt and secure with a 5/16 inch locknut. Be sure end tab of mower deck baffle is sandwiched between mower deck and skid bar.
- 11. Attach left end of baffle with $5/16 \times \%$ inch screw and 5/16 inch locknut removed in step 6.
- 12. Attach right tab on mower deck baffle to top of mower deck as shown in figure 3 with one screw and locknut removed in step 9.
- 13. Attach one lift blade (supplied with grass catcher kit) and one original blade (removed in step 3) to right side mower deck quill assembly with a ½ x 1½ inch lock screw (from parts bag) and two spring washers (removed in step 3). NOTE: Lift blade must be installed first, parallel to length of quill saddle, with lift wings toward top of mower deck. Original blade must be installed acroww lift blade (figure 4) with bent tip edges toward top of mower deck.
- 14. Attach one lift blade to left side mower deck quill assembly with a $\frac{1}{2}$ x 1 inch lock screw and two spring washers (removed in step 3). NOTE: Lift blade must be installed parallel to length of quill saddle with lift wings toward top of mower deck.
- 15. Tighten blade mounting screws securely. We recommend a 10 inch wrench or a torque wrench. If torque wrench is used, torque blade mounting screws to between 30 and 35 foot pounds.
- 16. Rotate blades by hand checking clearance between blades and mower deck. Blades should clear all parts of deck by ¼ inch or more.
- 17. Reinstall mower deck and reconnect deck safety wire.



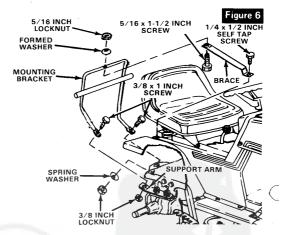
TO INSTALL MOUNTING BRACKET

Assembly will be easier if rear of riding mower is blocked up and right rear wheel is removed.

- 1. With two $\frac{1}{2}$ inch wrenches remove two $\frac{5}{16}$ inch locknuts, two $\frac{5}{16}$ inch flatwashers from two $\frac{5}{16}$ x $\frac{2}{2}$ inch screws that attach transaxle to axle bracket (figure 5).
- Place support arm onto screws as shown in figure 5 and attach with two 5/16 inch flatwashers and two 5/16 inch locknuts. Leave screws loose enough to allow support arm to slide.
- 3. Attach right hand leg of mounting bracket (leg with least amount of bend) to support arm (figure 6) with a % x 1 inch screw and a % inch locknut. Leave screw loose enough to allow mounting bracket to pivot.
- $^{\circ}$ 4. Attach left hand leg of mounting bracket to main frame hitch hole with a % x 1 inch screw, a spring washer (underneath main frame) and a % inch locknut. Leave screw loose enough to allow mounting bracket to pivot.

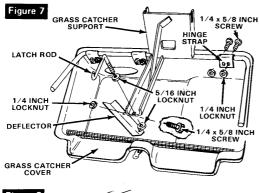


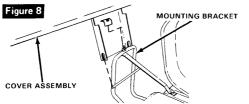
- 5. Attach end of brace with round hole to underside of mounting bracket as shown in figure 6 with a $5/16 \times 11/2$ inch screw (from bottom side), a formed washer and a 5/16 inch locknut. **NOTE**: Brace should bend slightly downward with slotted end forward.
- 6. Pivot seat forward and attach slotted end of brace to hole in right rear corner of console top (figure 6) with a $\frac{1}{4}$ x $\frac{1}{2}$ inch self-tap screw. **NOTE**: Adjust mounting bracket to a straight up and down position and tighten screw securely.
- 7. Pivot mounting bracket bracket until it appears to be straight
- 7. Pivot mounting bracket until it appears to be straight with back of riding mower and tighten all fasteners securely.
 - 8. Reinstall right rear wheel if removed and remove block.



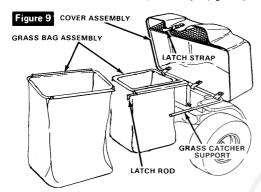
GRASS CATCHER COVER ASSEMBLY

- 1. Attach deflector to inside of cover with two $\frac{1}{4}$ x $\frac{5}{6}$ inch screws and two $\frac{1}{4}$ locknuts (figure 7).
- 2. Thread a 5/16 inch locknut all the way onto latch rod (figure 7).
- 3. Place threaded end of latch rod through hole in center arm of grass catcher support (figure 7) and secure with a 5/16 inch lock nut.
 - 4. Lay grass catcher cover assembly up side down.
- 5. Place grass catcher support into ledge inside grass catcher cover assembly.
- 6. Attach three cover hinge straps to cover and support assembly with six $\frac{1}{4}$ x $\frac{1}{8}$ inch screws and six $\frac{1}{4}$ inch locknuts.
- 7. Turn cover assembly over and mount onto mounting bracket as shown in figure 8.



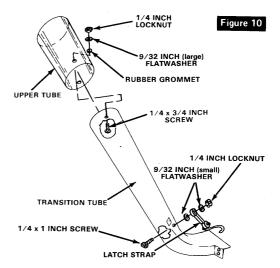


- 8. Pivot cover assembly toward front of grass catcher attachment and install grass bag assemblies as shown in figure 9. **NOTE**: Grass bags must be installed with solid panel in toward front of grass catcher.
- 9. Pivot cover assembly toward rear of grass catcher attachment and hook latch strap to latch pin (figure 9).

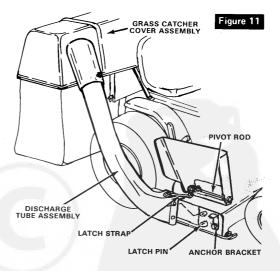


DISCHARGE CHUTE ASSEMBLY

- 1. Attach rubber latch strap to transition chute with a $1\!\!/$ x 1 inch screw, two small 9/32 inch flatwashers and a $1\!\!/$ inch locknut as shown in figure 10.
- 2. Place a rubber grommet into each large hole in upper tube (figure 10).
- 2. Attach upper tube to transition chute, as shown in figure 10, with two 1/4 x 1/4 inch hex head screws (from inside of transition chute), two large 1/4 inch locknuts.
- 3. Attach upper tube to transition chute as shown in figure 10, with two $\frac{1}{4}$ x $\frac{3}{4}$ inch hex head screws (from inside of transition chute), two large 9/32 inch flatwashers and two $\frac{1}{4}$ inch locknuts.



- 4. Place upper end of dicharge tube assembly into hole in front of grass catcher cover assembly (figure 11).
- 5. Place holes in lower end of transition chute over latch pins in baffle and lock into place with anchor bracket. **NOTE**: Be sure that back edge of transition chute is between skid rear mounting screw and discharge chute opening.
- 6. Hook lower end of latch strap over chute deflector pivot rod.



OPERATION



DANGER A

OPERATE MOWER WITH COMPLETE BAGGING ATTACHMENT IN PLACE.

SHUT OFF ENGINE BEFORE OPENING COVER OR EMPTYING GRASS BAGS.

OBJECTS MAY BE THROWN FROM DISCHARGE TUBE.

DO NOT REACH INTO DISCHARGE TUBE WHILE **ENGINE IS RUNNING**

The operation of this riding mower and grass catcher can

result in objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating a riding mower. We recommend standard safety glasses, or Wide Vision safety mask for over spectacles.



Get to know your riding mower and its controls. Be sure you (or any other operator) have read and understood the Operational Precautions listed on page 2 of this manual and in your riding mower operator's manual.

Avoid sharp turns at high speed and uphill or downhill turns. Operate mower carefully. Be especially cautious on hills. When riding down inclines, keep shift control in low speed with brake-clutch pedal out. This allows the engine to control the speed. Use brake for fast stops on hill. When operating on hills the use of a front weight box attachment is recommended. Use weight box kit #5709.

CAUTION

If grass catcher attachment will be used on other than level ground, the use of a front weight box is recommended.

If grass clippings are going to be bagged and hauled away, you may line grass bag assemblies with a 30 x 36 plastic trash bag. Roll top of bag around frame of grass bag to hold in place during collection.

OPERATION (Rider with Catcher)

Take a comfortable position on the riding mower and start the riding mower engine. After engine warmup, depress brake-clutch pedal and move shift control lever to desired forward gear. Release brake-clutch pedal slowly and riding mower will move forward. Until you get the feel of the machine, stay in the low speed position. With mower blades stopped, make your first run in a large, open, level area. Learn to start, stop and change direction in this area.

Stop engine before leaving operator's position.

The engine should be run at fast throttle for proper grass cutting and collecting of clippings, and ground speed controlled by shift lever position. Forward speed of the riding mower must be controlled in accordance with the type and quantity of grass being mowed. The more grass that must be cut, the slower the speed forward should be. When cutting light grass, the forward speed can be increased. By observ ing the collecting action of your mower, you can determine

To mow heavy growth or on rough ground, set mower at maximum height. After growth is cleared, reduce cutting height as desired.

Height-of-cut should not be set too low on thick, lush lawns, or grass may die. If height is too low, the deck wheels may sink into the lawn, causing the mower deck to drop down on the grass and reduce the discharging effect of the cutting blade. New grass should be cut in the afternoon when it is dry. Never cut wet grass. Wet grass will pack under mower deck and in transition chute and will not discharge properly.

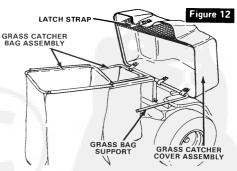
KEEP EQUIPMENT CLEAN. Grass clippings may pack under the mower chassis and in discharge chute assembly due to the internal moisture content of the grass. This accumulation of cut grass should be removed after each

- 1. Disconnect spark plug wire, remove ignition key, set parking brake on riding mower.
- 2. Scrape accumulation off underside of mower deck with a putty knife or similar tool. Cleaning of the underside of mower housing is easier if mower deck is removed. See Mower Deck Removal paragraph in Maintenance section of riding mower operator's manual.
- 3. Remove discharge chute assembly from mower deck and grass catcher cover assembly and flush grass clippings with water.
- 4. Remove grass catching bags and flush grass clippings from cover assembly with water.

TO EMPTY GRASS CATCHER BAG

Check grass catcher bags at frequent intervals while mowing. Bag should be emptied as soon as clippngs reach top of bag and after each use. To empty bag, proceed as follows:

- 1. Move mower clutch lever to DISENGAGE position and shift lever to NEUTRAL position.
 - 2. Stop engine and set parking brake on riding mower.
 - 3. Unhook latch strap from latch rod. (figure 12).



- 4. Pivot cover assembly toward front of grass catcher and lift bag assemblies from support.
- 5. Remove all clippings from bags.



A DANGER A



NEVER store grass catcher with grass clippings in the catcher bags. Even a small pile of grass clippings can create enough heat to start a fire.

- 6. Reinstall bag assemblies.
- 7. Pivot cover assembly toward rear of grass catcher and hook latch strap to latch rod.

A DANGER A

DO NOT OPERATE MOWER UNLESS ENTIRE GRASS CATCHER ATTACHMENT IS IN PLACE.

TO CLEAR PLUGGED DISCHARGE CHUTE

Your discharge chute may become plugged with grass clippings due to over-filling grass catcher or cutting grass that is too long or wet. To unplug chute, proceed as follows:

- 1. Move mower clutch lever to DISENGAGE position and shift lever to neutral.
 - 2. Stop engine and set parking brake.

A DANGER A

Blades will not stop immediately. Keep hands and feet from under mower and away from the discharge chute.

- 3. Disconnect spark plug wire.
- 4. Unhook latch strap from pivot rod on mower deck, turn latch bracket to unlock position and lift transition chute from mower deck.
- 5. Remove chute assembly from grass catcher cover assembly.
- 6. Shake grass clippings from chute assembly.
- 7. Remove clippings from mower deck discharge chute.
- 8. Re-attach chute assembly to grass catcher and mower deck in reverse order of removal.
- 9. Reconnect spark plug wire.

STORAGE

The grass catcher attachment should be immediately prepared for storage at the end of the season. To prepare grass catcher attachment for storage, proceed as follows:

- 1. Remove and clean chute assembly.
- 2. Remove and empty grass bag assemblies.

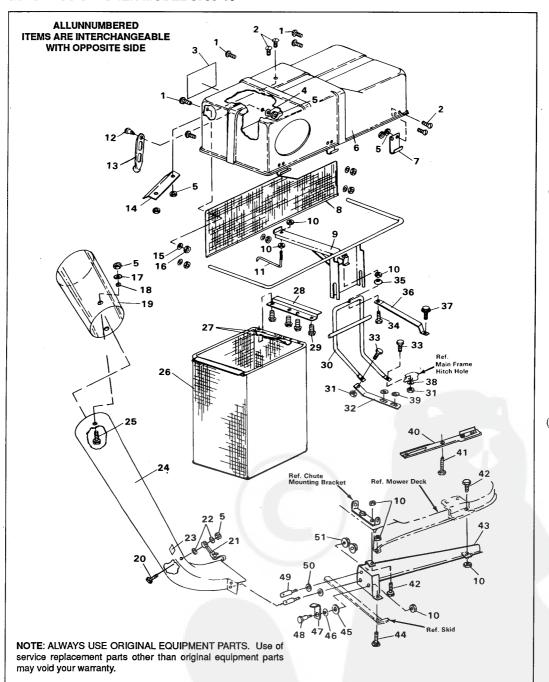
A DANGER A

NEVER store grass catcher attachment with grass clippings in the bags. Even a small pile of grass clippings can create enough heat to start a fire.

- 3. Clean the grass catcher cover assembly thoroughly.
- 4. Inspect the grass catcher and mower deck assemblies for worn or damaged parts. Tighten all loose hardware.
- 5. Check grass bags for wear and/or deterioration. Replace worn or damaged bags.
- 6. Store the riding mower and grass catcher attachment in a clean, dry area and cover for additional protection. **NOTE:** The grass catcher assembly can be easily lifted off the riding mower to reduce storage space.

REPAIR PARTS

32" GRASS CATCHER MODEL 5708-19



32" GRASS CATCHER MODEL 5708-19

ALWAYS GIVE THE FOLLOWING INFORMATION WHEN ORDERING REPAIR PARTS:

1. THE PART NUMBER; 2. The PART NAME; 3. QUANTITY DESIRED; 4. The MODEL NUMBER (As shown on Model Plate).

SEND PART ORDERS AS PER INSTRUCTIONS ON THE FRONT PAGE.

YOUR UNIT IS RIGHT HAND (RH) OR LEFT (LH) AS YOU STAND BEHIND IT.

DO NOT USE KEY NUMBERS WHEN ORDERING REPAIR PARTS, ALWAYS USE PART NUMBERS.

All replacement parts will be supplied in current production colors or in a neutral color.

A handling fee is applicable to small parts orders.

Key No.	Part No.	Description
1	57034	Screw, SI FI Hd, No. 10-24 x 5/8 In.
2	55686	Screw, SI Rd Hd, 1/4-20 x 5/8 ln.
3	306490	Decal, Cover
4	120385	*Flatwasher, 1/4 In.
2 3 4 5 6 7	1502	Locknut, 1/4-20 Thd.
6	306944	Cover
7	300278	Hinge, Cover
8	300115	Screen
9	1253	Support Assembly
10	1498	Locknut, 5/16-18 Thd.
11	56418	Latch, Rod Cover
12	46563	Shoulder Bolt, Cover Latch
13	300624	Latch, Strap, Rubber
14	56646	Deflector, Cover
15	1 501	Flatwasher, 13/64 In.
16	271166	Nut, Keps, No. 10-24
17	57626	Flatwasher, 9/32 In.
18	57506	Rubber Grommet
19	57667	Upper Tube Assembly
20	121900	*Screw, Hex Hd, 1/4-20 x 1 In.
21	57505	Latch, Strap Rubber
22	120392	*Flatwasher, 9/32 In.
23	306489	Decal, Transition Chute
24	57516	Chute, Transition
25	180020	*Screw, Hex Hd, 1/4-20 x 3/4 in.
26	58283	Bag

Key No.	Part No.	Description
27	57667	Tube
28	56419	Support, Bag
29	9426217	*Screw, Taptite, No. 10-16 x 1/2 In.
30	56438	Mounting Bracket Assembly
31	9413534	Locknut, 3/8-16 Thd.
32	57668	Support, Arm
33	180122	*Screw, Hex Hd, 3/8-16 x 1 In.
34	122040	*Screw, Hex Hd, 5/16-18 x 1-1/2 ln.
35	8728	Formed Washer
36	57271	Brace
37	995346	*Screw, Taptite, 1/4-20 x 1/2 In.
38	2438	Spring Washer
39	120386	*Flatwasher, 5/16 In. 5705
40	302329	Blade, High Lift
41	47665	Screw, Nylock, 3/8-24 x !-1/4 In.
42	120834	*Screw, Hex Hd, 5/16-18 x 1/2 ln.
43	305054	Baffle Assembly
44	126211	Carriage Bolt, 5/16-18 x 5/8 ln.
45	120393	Flatwasher, 11/32 In.
46	32327	Wave Washer
47	52398	Anchor Bracket
48	20507	Shoulder Bolt
49	53446	Pin, Latch
50	138538	Lockwasher, Int Tooth, 5/16 In.
51	45174	Locknut, Wide FI, 5/16-18 Thd.
52	306929	Owner's Manual (Not Illustrated)

^(*) Standard Hardware Items - May be Purchased Locally.