$5.00

M-C®
MATHEWS COMPANY

# Model
# L60B, LG60B, L72B & LG72B
# LAWN GENIE®

**Flail Mowers & Flail Pickup Mowers**

**(Starting w/Serial No. 45289)**


# OPERATOR'S & PARTS MANUAL

FORM NO. LG 268 REV. 2, MARCH 1993

(REPACES LG268-1 & SUPPLEMENT DATED AUG. 1992)

**Mathews Company**/ 500 Industrial Ave., Crystal Lake, IL 60012, U.S.A.
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# Metric (SI) Measurements

## (English Units & Metric (SI) Equivalents)

### Area
1 square inch = 6.4516 square centimeters
1 square foot = 0.0929 square meters
1 square yard = 0.8361 square meters
1 acre = 4047 square meters
1 acre = 0.4047 hectare

### Force
1 pound (force) = 4.45 newtons

### Length
1 inch = 25.4 millimeters
1 inch = 2.54 centimeters
1 foot = 304.8 millimeters
1 foot = 30.5 centimeters
1 foot = 0.305 meters
1 yard = 0.9144 meters
1 mile = 1.6093 kilometers

### Mass
1 ounce = 28.35 grams
1 pound = 0.454 kilograms
1 ton = 907.1848 kilograms

### Power
1 horsepower = 0.7457 kilowatts

### Pressure
1 psi = 6.89 kilopascals
1 psi = 0.00689 megapascals
1 inch of mercury = 3.377 kilopascals

### Temperature
1 degree Fahrenheit (°F – 32) ÷ 1.8 = °Celsius

### Torque
1 inch pound = 0.113 newton meters
1 foot pound = 1.356 newton meters

### Velocity
1 mile per hour = 1.61 kilometers per hour

### Volume
1 bushel = 35.24 liters
1 bushel = 0.0352 cubic meters
1 pint = 0.4731 liters
1 quart = 0.9464 liters
1 gallon = 3.7854 liters
1 cubic inch = 16.387 cubic centimeters
1 cubic foot = 0.0283 cubic meters
1 cubic yard = 0.7646 cubic meters

# INTRODUCTION

## To The Owner

The Model LG60B and LG72B are flail pick-up mowers. These models have the unique feature of picking up the material as it is cut. The Model L60B and L72B are flail mowers only. They can be converted to pick-up mowers at any time by adding a chute, hopper and winch kit. See "Chute, Hopper and Winch Kits" in the parts section of this manual. Order from your local M-C dealer.

Before operating your Lawn Genie, read the Operating, Adjustment and Maintenance Instructions in this manual. Check each item referred to and become familiar with the adjustments and/or settings required to obtain efficient operation and maximum trouble-free service.

## Work Safely

This symbol is used to call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.

## Warranty Registration

It is important to send in your warranty registration card as soon as your new Lawn Genie is delivered. Not only does the card validate your warranty, but it is also our way of knowing who has purchase M-C equipment so that we can keep in touch with you.

## Model and Serial Number Location

The model and serial number of your Lawn Genie are stamped on a plate located on the left side of the body in front of the output shaft guard, see Figure 1. For future reference, record the model and serial number in the blank spaces in Figure 2.

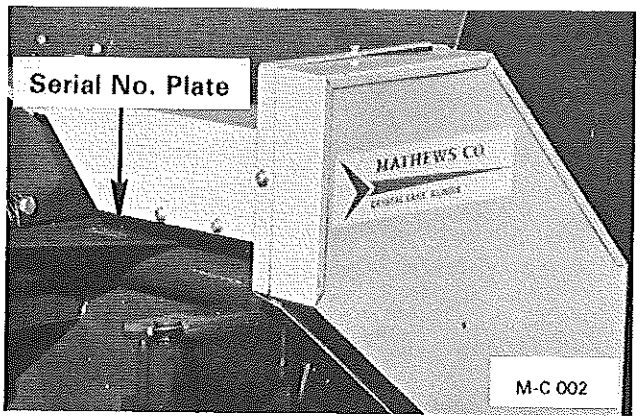
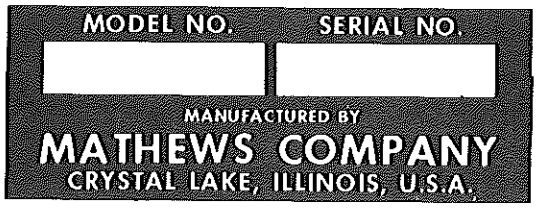



Figure 1




M-C 003

Figure 2

## Parts Ordering Instructions

1. Order parts from your local M-C dealer or distributor.
2. Always furnish the Lawn Genie model and serial numbers. This information is stamped on the serial number plate.
3. Service parts for your Lawn Genie are listed in the "Parts" section of this manual. When ordering parts be sure to furnish the part number, description and quantity required.
4. Inspect all shipments upon receipt. If any packages and/or boxes are missing, or parts are damaged, file claim with the carrier immediately. Failure to do so may void a claim. Check the shipment against the packing list carefully. Report any shortages to the shipper immediately.
5. Do not return any parts to the Mathews Company without a "Return Goods Authorization" from the factory. All return parts shipments must be shipped prepaid (COD shipments will not be accepted). Shipments must also include the following:
   A. A letter of explanation including the "Return Goods Authorization Number," your name and address.
   B. A list of all parts being returned. List must include part number, description, quantity and original invoice number.

## Capscrew Grade Identification

There are four grades of hex-head capscrews. Grade 1 and 2 are common capscrews, grade 5 and grade 8 are used when greater strength is required. Each grade can be identified by the marking of the head of the capscrew, see chart below.

When servicing the machine and/or replacing capscrews, be sure to use the correct size and grade. If in doubt, refer to the parts list. If a specific grade is not shown as part of the description, the capscrew is a grade 1 or 2.

### CAPSCREW GRADE IDENTIFICATION CHART

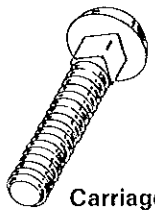
| S.A.E. Grade | Description | Capscrew Head Marking* |
|---|---|---|
| 1<br>2 | WILL HAVE A PLAIN HEAD - NO RADIAL LINES<br>Low or Medium Carbon Steel Not Heat Treated |  |
| 5 | WILL HAVE 3 RADIAL LINES<br>Quenched and Tempered Medium Carbon Steel |  |
| 8 | WILL HAVE 6 RADIAL LINES<br>Quenched and Tempered Special Carbon or Alloy Steel |  |

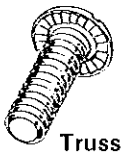
*The center marking identifies the capscrew manufacturer.

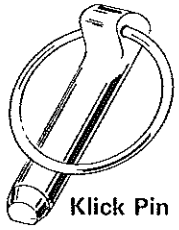
## Hardware Identification


Knurled Point Set Screw


Cone Point Set Screw


Carriage Bolt


Truss Head Whiz Screw


Klick Pin


Jam Nut


Jam Nut w/3 Distorts


Top Lock Flange Nut

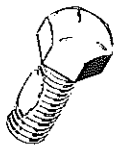

Hex Nut w/NY Lock

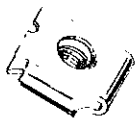

Two Way Locknut


Truss Head Screw


Whiz Nut


Hex Washer Head Screw


Hex Head Capscrew w/NY Patch


Clip Nut


Cup Point Set Screw w/NYLK

M-C 197

**NOTE:** The Mathews Company reserves the right to incorporate any changes in design without obligation to make these changes on units previously sold.

# SET-UP INSTRUCTIONS

## General

Before beginning to set-up your Lawn Genie, read the set-up instructions carefully to become familiar with the machine.

Check to make sure that you have received all parts listed on your packing list. Make claims for any shortages immediately.

RIGHT or LEFT and FRONT or REAR of the Lawn Genie is determined by standing behind the Lawn Genie and looking toward the tractor PTO.

Assemble the Lawn Genie on a solid flat level surface to insure safety and to aid in aligning parts during assembly.

## Chute and Hopper

1. The assembled hopper is on top of the chute for shipping purposes. Lift it off and place it on the ground.
2. Bolt the hopper stops, Figure 3, in the fourth hole up from the bottom on each side of the chute front panel. Use ¼-20 x ¾" hex-head capscrews, lockwashers and hex-nuts.
3. Bolt each hopper pivot bushing, Figure 3, to the chute sides with ½-13 x 2½" hex-head capscrews, flatwasher (next to bolt head), lockwasher and hex-nut.
4. Install the hopper stop angles, Figure 3, to the chute sides and body side plates with 5/16-18 x ¾" truss head screws, lockwashers and hex-nuts. Leave these screws loose until the hopper is lifted onto the chute assembly.
5. Remove the two center capscrews in the hopper top support and install the pull straps, see Figure 4.
6. Place the center brace between the pull straps and bolt it to the lower hole with a 5/16-18 x 1¼" capscrew, flatwashers and locknut as shown in Figure 4. The top hole will be used to attach the pull cable.
7. Bolt the back of the center brace to the hopper rear panel with 5/16-18 x ¾" truss head screws, flatwashers, lockwashers and hex-nuts. The flatwashers go inside the hopper.
8. Before the hopper is installed, check the clearance between the knives and the cut-off bar at the bottom of the chute rear panel as follows, see Figure 4A and 4B.

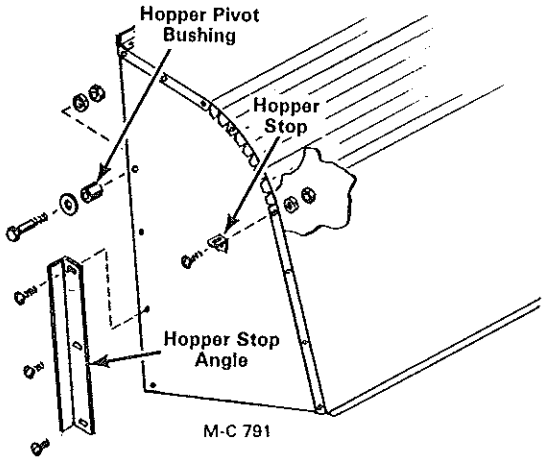



Figure 3

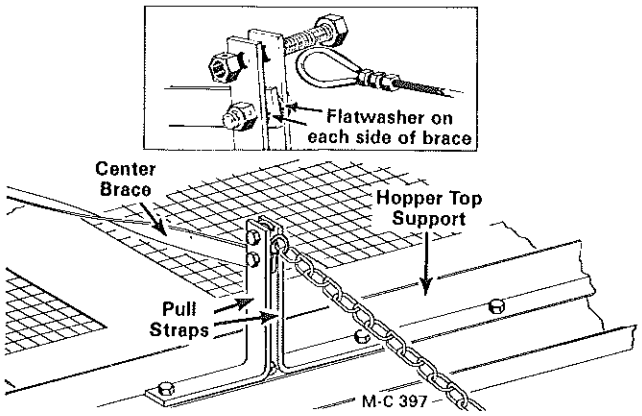



Figure 4

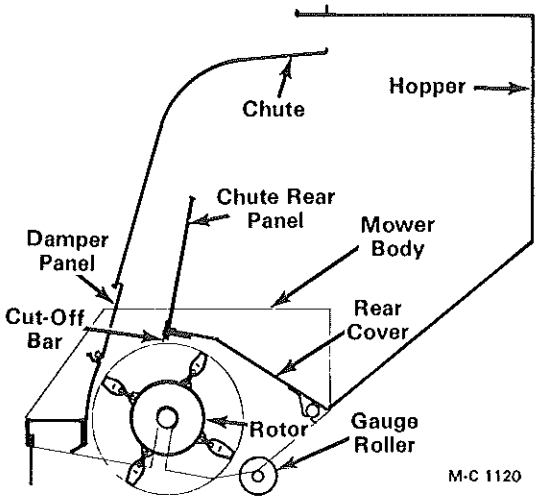



Figure 4A

A. The knives must be as close to the cut-off bar as possible without hitting it.

B. To adjust the cut-off bar, loosen the cap-screws securing it to the chute rear panel and move it up or down in the slots as necessary, then tighten the capscrews.

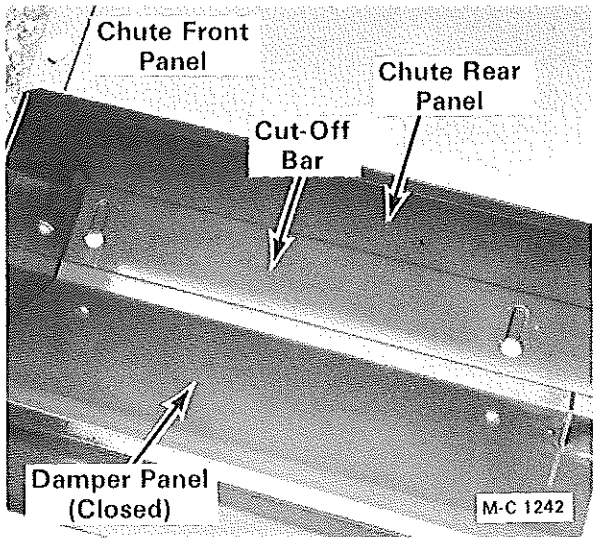



Figure 4B

**IMPORTANT:** When thatching blades are installed, the cut-off bar will have to be readjusted so they do not hit it. Thatching blades are ⅜" longer than the knives.

9. Lift the hopper assembly onto the pivot bushings on the chute and lock in place with a 5/16" klick pin through each hopper pivot.
10. Push the hopper stop angles on the chute up against the hopper side post angles and tighten the 5/16" truss head screws.

## Caster Wheels

1. Place three 1-7/16" ID x 3" OD caster spacers on each caster yoke spindle. Lift the front of the Lawn Genie just high enough to install the caster yoke and wheel assemblies into the caster brackets. Lower the Lawn Genie.
2. Place one 1-7/16" ID x 2" OD caster spacer on each caster yoke spindle and secure the caster yokes with 5/16" klick pins, see Figure 5.

**IMPORTANT:** With the caster wheels turned to the position they are in when traveling forward, install the klick pins from front to rear as shown in Figure 6. If they are installed from rear to front, a branch from a tree or shrub could catch the ring of the klick pin and pull it out of the spindle allowing the caster wheel to drop out of the caster bracket.

3. Inflate the tires to 40 lbs.

## Power Take-Off Shaft

1. Remove the input shaft guard.
2. Remove all paint and foreign material from the gearbox input shaft and from both PTO shaft yokes. Be sure the quick disconnect device on the tractor end of the PTO shaft is working smoothly.
3. Apply a small amount of grease to the gear box input shaft and both PTO shaft yokes.
4. Install the power take-off shaft (keyway end) onto the Lawn Genie gear box input shaft. Tighten set screw and locknut in the PTO shaft yoke. Install the input shaft guard.

## Hitch

1. Remove the hitch floating links from their shipping position and install them as shown in Figure 5. The cut off corner is to be up and to the rear. The head of the capscrew goes to the outside.
2. Install the hitch brackets on the Lawn Genie body, see Figure 5. Secure with ⅝-11 x 1½" hex-head capscrews (grade 5), lockwashers and hex-nuts (three each side).
3. Install the winch tower between the hitch brackets with ½-13 x 1½" capscrews (grade 5), lockwashers and hex nuts, see Figure 5.

**NOTE:** If the optional hopper hydraulic dump kit is to be installed, install the ram mount in place of the winch tower. See instructions supplied with the kit.

## Winch and Damper Control

1. Attach the winch to the winch mount tube with ⅜-16 x 2¼" hex-head capscrews, lockwashers and hex-nuts.
2. Slip the winch mount tube through the winch tower. Clamp down with the clamping bolt, see Figure 8.
3. Put a 5/16-18 x 1¼" hex-head capscrew, and two way locknut in the top hole in the Pull Straps, see Figure 4. Place the "S" hook end of the cable over the 5/16" capscrew.
4. Anchor the end of the cable to the winch drum as shown in Figure 7. Crank the winch to take up the slack. Keep a minimum of four wraps of cable on the winch drum.
5. Install the damper control rod through the guide hole in the winch tower, see Figure 8. Attach the damper control rod to the damper panel and secure with a ⅛ x ¾" cotter pin.

## Hopper Hydraulic Dump Kit (Optional)

If this kit is to be installed in place of the winch, follow the Installation Instructions (Form LG172) that are furnished with the kit. (See page 47-48)

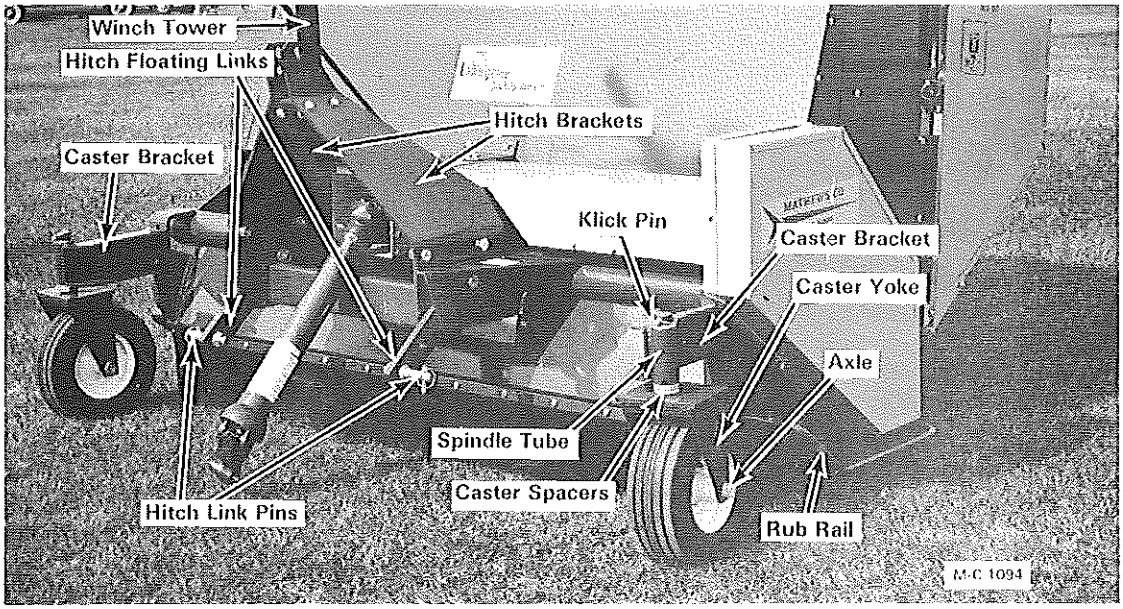



Figure 5

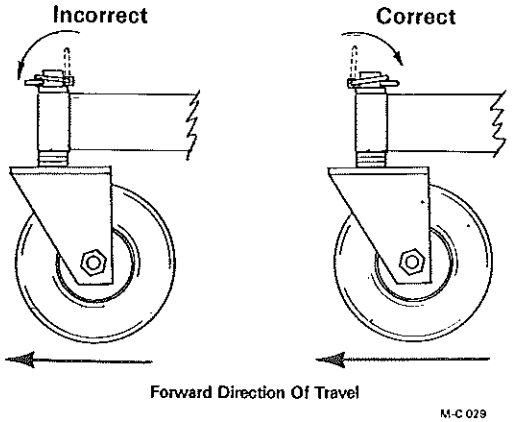



Figure 6

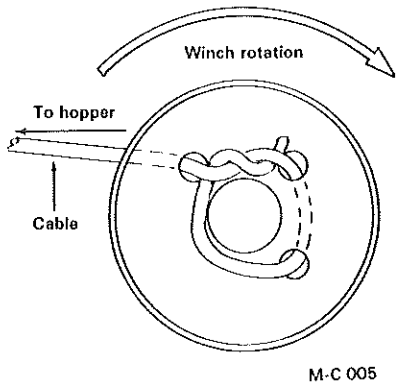



Figure 7

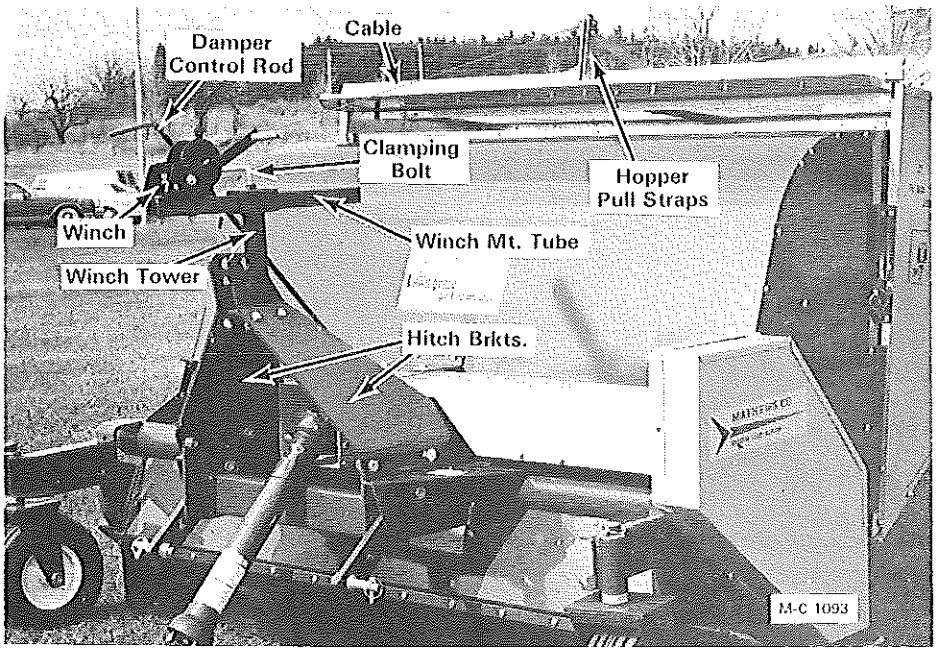



Figure 8

## Rub Rails

**NOTE:** The rub rails are factory installed on the Model LG60B.

1. Install the right and left rub rails to the sides of the Model LG72B Lawn Genie body with ⅜-16 x ¾" truss head screws, lockwashers and hex-nuts. Right rub rail is shown in Figure 9.

## Leaf Mulching Screen (Optional)

**IMPORTANT:** Do not use the leaf mulching screen when thatching blades are to be used. The thatching blades will contact the screen during operation.

1. The Lawn Genie rear cover must be removed. The rear cover is located at the rear of the Lawn Genie above the gauge roller. The hopper must be opened to gain access to the rear cover.

**CAUTION:** Block the hopper so that it cannot accidentally fall on you.

2. Remove the five capscrews across the top of the Lawn Genie rear cover. Loosen the three capscrews at the bottom of the rear cover. Remove the rear cover by tipping the top edge up and sliding the bottom edge off of the cross tube.

3. Place the leaf mulching screen in place as shown in Figure 10. Bolt both bottom ends in place with ⅜-16 x ¾" hex-head capscrews, lockwashers and hex-nuts, see 1 in Figure 10.

4. Install the rear cover over the leaf mulching screen by reversing the procedure in step 2. The five capscrews, lockwashers and flat-washers removed from the top of the rear cover go through the rear cover and the holes at the top of the leaf mulching screen, see 2 in Figure 10.

## Lubrication

1. Remove the oil level plug on the right side of the gear box and check the oil level, see Figure 11. The oil should be up to the bottom of the level plug hole.

   If the level is too low, remove the bushing, with vent, on top of the gear box and add Mobilfluid 423 multipurpose transmission lubricant or equivalent until it runs out of the level plug.

   Mobilfluid 423 is available from M-C in one pint containers. Order M-C part number 000 8991.

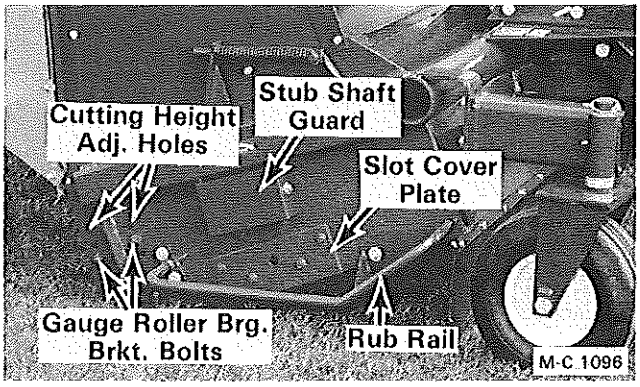



Figure 9

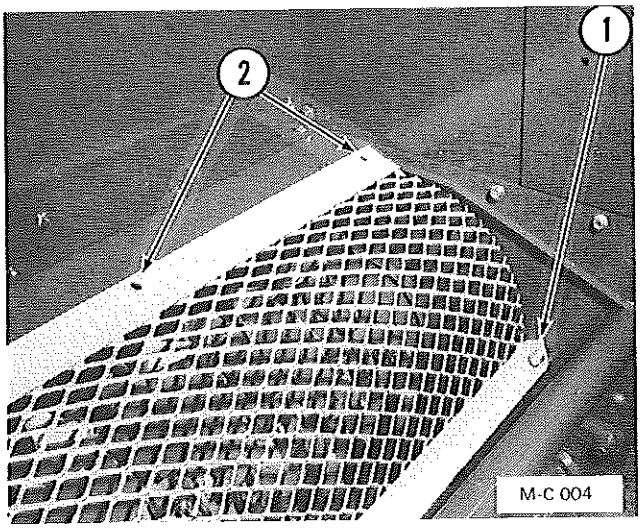



Figure 10

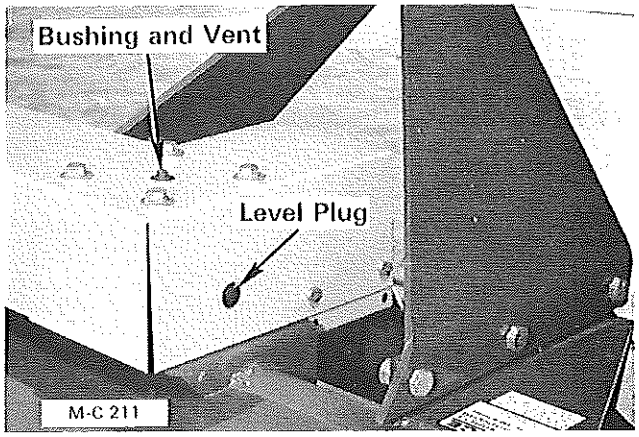



Figure 11

Install the level plug. Check to be sure the vent is not plugged with paint or dirt. Install the bushing with vent.

2. There are thirteen (13) lubrication fittings on the Lawn Genie. For fitting locations refer to "Lubrication" page 13. Lubricate with a hand grease gun. Do not over lubricate. Too much grease may damage the bearing seals.

# OPERATION

## Safety Precautions

A safe operator is the best insurance against accidents. The precautions listed below must be observed at all times.

- Do not allow children or bystanders near the Lawn Genie while it is operating.
- Do not operate the Lawn Genie above 540 RPM power take-off speed. To do so will overspeed the rotor and possibly cause personal injury.
- Do not operate the Lawn Genie without all safety shields in place and secure.
- Do not operate the Lawn Genie without the rubber stone guard. Operating without the stone guard could cause personal injury.
- Do not make any inspections or adjustments while the Lawn Genie is operating or while the tractor is running.

**NOTE:** After the first two hours of operation, make sure all capscrews and nuts are tight.

## Connecting the Lawn Genie to the Tractor

1. Push the Lawn Genie up to the tractor and attach the hitch floating links to the two lower links of the tractor hitch. Insert the klick pins through the hitch link pins from the top. Be sure the klick pin ring is snapped down into the locking position.

**IMPORTANT:** The hitch link pins that come with the Lawn Genie are for a category 1 tractor hitch. If the tractor is equipped with a category 2 hitch, adapter bushings or category 2 hitch link pins must be used.

2. Lift the Lawn Genie with the tractor hydraulic system and connect the tractor hitch top (3rd) link to the Lawn Genie hitch bracket. The top hole in hitch bracket is for tractors with a category 2 hitch and the bottom hole is for tractors with a category 1 hitch, see Figure 12.

**NOTE:** If a balance problem occurs when the Lawn Genie is lifted, the hitch link pins can be moved to the second hold in the hitch floating links. This will bring the Lawn Genie closer to the tractor. If the second hole is used, be sure the caster wheels do not hit the tractor and/or the power take-off shaft does not bottom out.

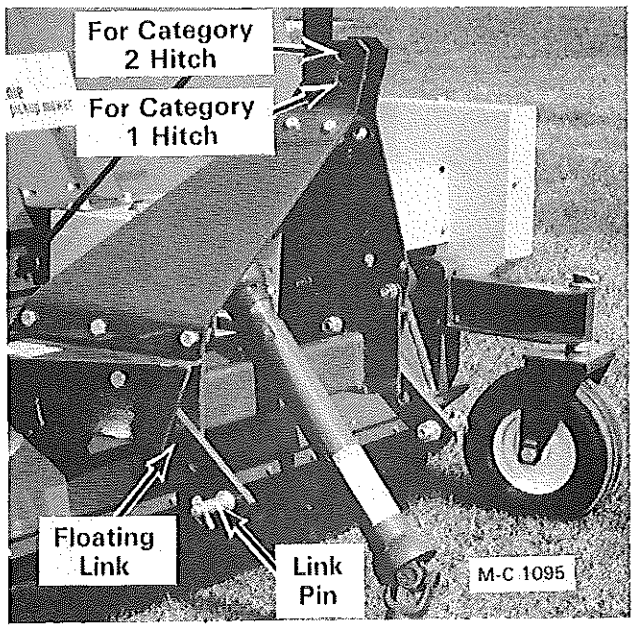



Figure 12

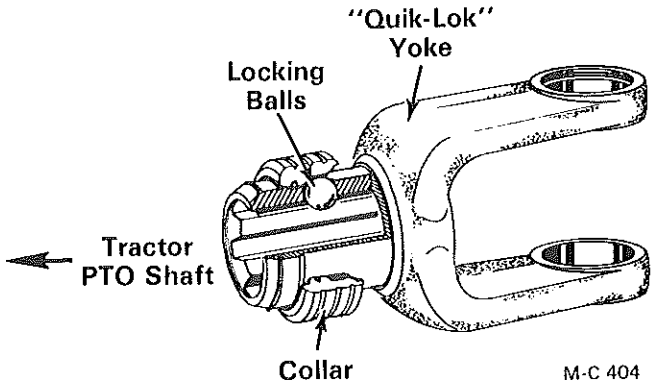



Figure 13

## Connecting the PTO Shaft to the Tractor

1. Push the collar on the "Quik-Lok" yoke forward (toward the tractor PTO shaft) to release the spring tension on the locking balls, see Figure 13.
2. With the collar in the forward position, push the yoke onto the tractor PTO shaft until it bottoms.
3. While pulling the yoke back slightly, pull the

collar back until the locking balls snap into the groove in the tractor PTO shaft.

4. To disconnect the PTO shaft, push the collar forward and pull the yoke off of the tractor PTO shaft.

**IMPORTANT**

**RUN YOUR LAWN GENIE AT A LOW RPM CHECKING TO MAKE SURE THAT ALL DRIVE LINE PARTS ARE MOVING FREELY.**

## Cutting Height and Leveling

1. The cutting height is established by the caster wheels and the gauge roller. There are three bolt adjustments for the caster wheel brackets that correspond with three adjustments on the gauge roller, see Figure 14.
2. To obtain an even cut, the caster wheel brackets and the gauge roller must be in the same adjustment position. If the gauge roller is in it's lowest position, the caster wheel brackets must also be in the lowest position.
3. The gauge roller is installed in the top position at the factory. This is the lowest cutting height position. To raise the cutting height, move the gauge roller to the middle or bottom position. Install the caster wheel brackets in the same position as the gauge roller—bottom, middle or top.
4. Additional caster wheel adjustment can be obtained by repositioning the caster spacers on the caster yoke spindles.

**NOTE:** One caster spacer must remain between the caster bracket and the caster yoke spindle so that the caster bracket does not contact the caster yoke spindle.

5. Level the Lawn Genie with the tractor hitch upper (3rd) link adjusting screw. Set the tractor hydraulic lever stop so that when the Lawn Genie is lifted to the transport position the power take-off shaft universal joints do not lock.

## Adjust Weight on Caster Wheels

The caster wheels are not designed to carry the full weight of the Lawn Genie continuously. When in operation, the gauge roller contacts the ground and the front of the Lawn Genie is supported off the ground by the tractor hitch top (3rd) link of the three point hitch. To adjust the weight on the caster wheels proceed as follows:

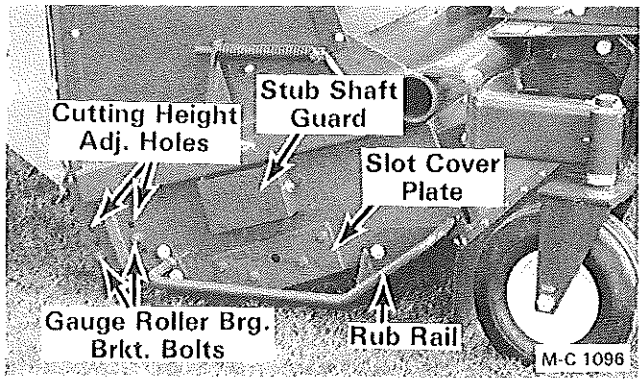



Figure 14

1. Lower the Lawn Genie so that the gauge roller contacts the ground.
2. Extend the tractor hitch top (3rd) link until most of the Lawn Genie weight is off of the caster wheels (wheels are almost free to turn by hand).
3. Start mowing. If the caster wheels shimmy or turn in circles stop and shorten the tractor hitch top (3rd) link a small amount to place more weight on the caster wheels.
4. When the tractor hitch top (3rd) link is adjusted properly, measure the center to center distance of the two pins. Record this measurement so that the next time the Lawn Genie is attached to the tractor, the tractor hitch top (3rd) link can be preset to this length.

## Damper Panel

1. To mow and load clippings, (LG60B & LG72B only), pull the damper panel control rod forward, see Figure 8. This opens the damper panel which allows clippings and/or leaves to travel up the chute and into the hopper.
2. To mow only (all models) the damper panel must be closed. The clippings and/or leaves will return directly to the ground.

## Mowing

1. Never operate the Lawn Genie with missing or broken knives. If any knives are missing or broken, the rotor will be out of balance and the Lawn Genie will vibrate. Replace missing or broken knives in sets. See page 14 for procedure.

**CAUTION:** Before attempting to make any inspection, be sure to disengage the PTO and stop the tractor engine.

2. To obtain an even cut, the caster wheel tire pressure must be equal. Recommended pressure is 40 lbs.
3. When mowing heavy grass from 4 to 6 inches tall, your ground speed should be lower than if the grass were only 2 to 3 inches tall. Determine the type of mowing job you have and adjust your ground speed accordingly.

**IMPORTANT:** To insure maximum pick-up (LG models only), it is necessary to maintain specified power take-off shaft speed to provide a constant rotor speed of 1900 RPM. If power take-off shaft speed is correct and rotor speed cannot be maintained, check the drive belt adjustment. Refer to Drive Belt Adjustment on page 15.

4. An important feature of the Model LG60B & LG72B is the ability to pick up leaves in the fall of the year. Mowing will cut up the leaves and decrease their volume for pick-up.
5. A leaf mulching screen attachment is available for all models. See "Leaf Mulching Screen" in the parts section of this manual. Order from your local M-C dealer. This mulching screen can easily be installed under the rear cover of all models, see page 8.
6. Leaves are mulched fine enough to be left on the ground to decompose and add nutrients into the soil. If you choose to pick up the mulched leaves (LG60B & LG72B only), pull out the damper control rod and go back over the lawn and load the mulched leaves into the hopper. It is not necessary to remove the leaf mulching screen for this part of the operation.

**IMPORTANT:** Do not use thatching blades with the leaf mulching screen because the tips of the blades will contact the screen.

7. After about the first ten (10) hours of use, the drive belt will break-in. Re-adjust drive belt tension at this time. Refer to "Drive Belt Adjustment" on page 15.

## Cleaning

1. When mowing in wet conditions, grass and mud may build up on the underside of the Lawn Genie. It is recommended that you hose down the housing, chute and rotor after use. A clean chute provides a smooth flow of material to the hopper.

## Thatching

**NOTE:** Thatching Blade Kits and Thatching Blade and Wide Vacuum Paddle Kits are available. See "Thatching Blade and Wide Vacuum Paddle Kits" in the parts section of this manual. Order from your local M-C dealer.

1. Much has been written about thatch; its causes, controls and effects. Perhaps it may be best, first of all, to define what thatch is. It is the accumulation of non-decomposed plant residue in turf between the soil level and greening area of the grass plant. It is principally composed of decomposing stems and rhyzomes which are higher in cellulose, than more quickly decomposing leaves.
2. A heavy layer of thatch effectively impedes the movement of water through to the roots, traps fertilizer and keeps it from feeding the growing plant. Many of the modern fungicides and insecticides rely on heavy watering to be efficient.
3. An even more serious problem is the increased probability of disease. Modern turf management is like walking a tightrope. We need vigorous grass to resist the invasion of weeds and other undesirable plants, and yet vigorous grasses produce thatch.
4. The Mathews Company has given the professional turf manager or homeowner his balancing pole in the form of the versatile Lawn Genie. When the Model LG60B or LG72B is used as a thatching unit it not only thatches but picks up the thatch in the same operation.

   This same machine can then be used as a pick-up mower and thus eliminate the clippings from becoming thatch.
5. For the greatest amount of thatching, install a thatching blade on every knife hanger on each row. For less thatching, install the thatching blades on every other or every third knife hanger on each row.

**IMPORTANT:** Thatching blades **MUST** be installed in equal amounts 180° apart to keep the rotor balanced.

Do not use the leaf mulching screen when thatching blades are used. The thatching blades are ⅜" longer than the knives and will contact the screen during operation.

Also, the cut-off bar on LG Models will have to be readjusted so they do not hit it. See step 8 under "Chute and Hopper" on page 5.

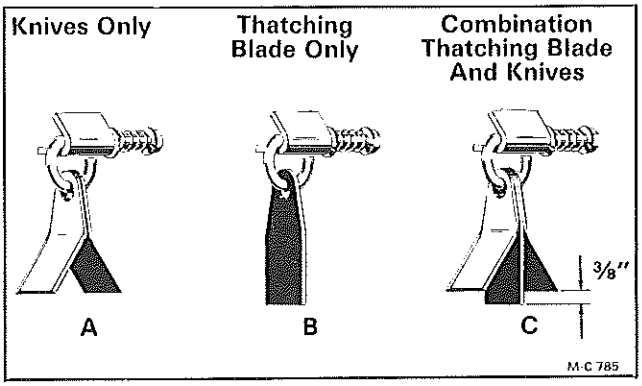



Figure 15

## Preparation For Overseeding

1. The Lawn Genie is an excellent machine for overseeding. With both the mowing knives and thatching blades installed on the rotor, it will do an excellent job of preparing an existing lawn for overseeding. The thatching blades hang down ⅜" lower than the mowing knives (See "C" in Figure 15) and will remove the mat of dead grass and give you a seed bed in the existing turf. You will be mowing your grass very short while you are preparing a seed bed.

**NOTE:** Some grasses will not withstand cutting at this short height, so knowledge of your particular strain of grass is necessary. If you do not want to cut your grass this short, then follow the steps listed under "Verti-Cutting", and you will have excellent results.

2. The depth and ground conditions will play a major role in determining ground speed for this operation. If the rotor starts to slow down, reduce your ground speed.

## Verti-Cutting

1. To go along with the thatching operation—the same blade is used for verti-cutting. The operation is basically the same. The term verti-cut is used when you are working with different strains of grass such as Creeping Bent, Bermuda, St. Augustine, etc. These types of grass spread very rapidly in ideal conditions.

   They grow horizontally and have a tendency to grow on the surface of the ground. By verti-cutting you cut the plants horizontal growth and force the roots to grow downwards which makes for a healthier plant that is taking nutrients and moisture from the soil.

2. Only the thatching blades alone are used for this operation (See "B" in Figure 15).

3. The Model LG60B & LG72B Lawn Genie is very useful for this operation because you can pick up the debris as you verti-cut.

# MAINTENANCE

## General

**CAUTION:** Do not allow children or bystanders near the Lawn Genie while it is being adjusted and/or serviced.

**CAUTION:** Never do any maintenance on the Lawn Genie with the tractor running.

### Periodically During the Season

1. Tighten all capscrews and locknuts.
2. Inspect all knives and knife hangers to be sure they are not damaged and are secure.
3. Check to be sure that all the guards and shields are in place and secure.
4. Inspect the rotor, gear box, output drive shaft, belt drive assembly and PTO shaft for signs of unusual wear or lubrication leaks that could lead to part failure.

## Lubrication

**IMPORTANT:** Use a hand grease gun. Grease sparingly to avoid damage to the bearing seals by forcing grease out.

### Every 8 Hours

1. Power take-off shaft universal joints (2). One fitting in each yoke and one fitting in the telescoping PTO shaft, see Figure 16.

**NOTE:** To locate the fitting in the telescoping PTO shaft, disconnect the PTO from the tractor PTO. Lengthen or shorten the PTO shaft until the distance from the center of one yoke to the center of the other yoke is 23¼ inches. Rotate the male and female guards until the slots in the guards are aligned. Then rotate both guards together until the fitting appears in the slot.

2. Caster wheel spindles (2). One fitting in each caster wheel bracket.
3. Caster wheel bearings (2). One fitting on each wheel.

### Every 40 Hours

1. Rotor bearings (2). One fitting on each end of the rotor.

**NOTE:** The left rotor bearing fitting is between the belt guard and Lawn Genie body. It is not necessary to remove the belt guard to reach this fitting.

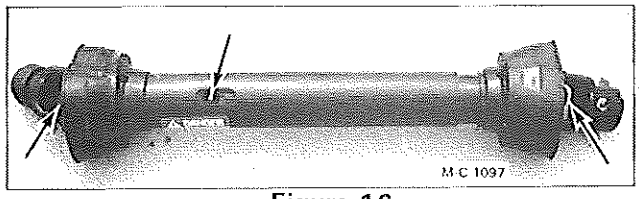



Figure 16

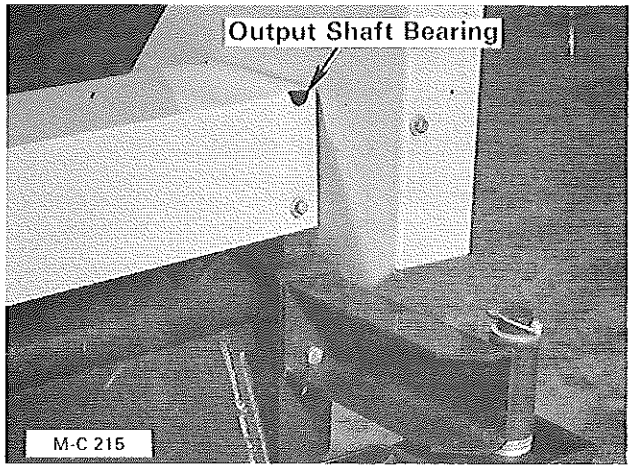



Figure 17

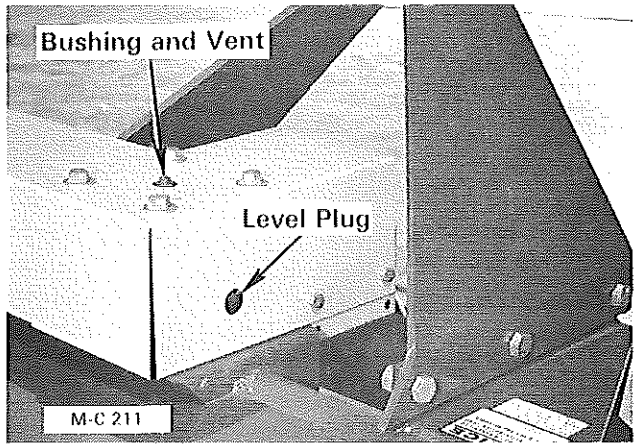



Figure 18

2. Gauge roller bearings (2). One fitting on each end of the gauge roller.
3. Output shaft bearing (1). Reach through hole in output shaft guard, see Figure 17.
4. Output shaft universal joint (1). Located under the output shaft guard.

### Periodically During the Season

1. Remove the oil level plug on the right side of the gear box, see Figure 18. The oil level should be even with the bottom of the level plug hole. If not, remove the bushing and vent on the top of the gear box and add Mobilfluid 423 multipurpose transmission lubricant or

equivalent until it just runs out of the level plug.

Mobilfluid 423 is available from M-C in one pint containers. Order M-C part number 000 8991.

2. Install the level plug and the bushing with vent. Check to be sure the vent is open.
3. LG60B & LG72B - Apply a few drops of oil to the following:

   A. Moving parts of the winch.

   B. Damper panel pivot points.

   C. Damper panel lever.

   D. Hopper pivots.

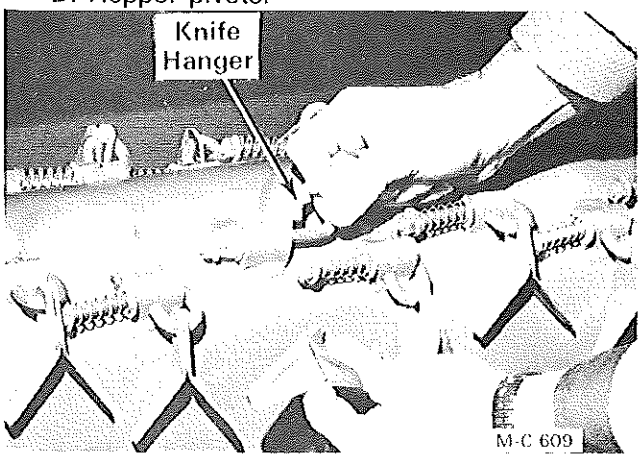


Figure 19 - Tapered Knives - Below S/N 47349

## Cleaning

1. When mowing in wet conditions, grass and mud may build up on the underside of the Lawn Genie. It is recommended that you hose down the housing, chute and rotor after use. A clean chute provides a smooth flow of material to the hopper.

## Knives, Thatching Blades and Vacuum Paddles

### Knives

1. Remove the rear cover and leaf mulching screen (if equipped).

**CAUTION:** Never run the Lawn Genie with the rear cover removed.

2. The knives can be reversed to expose a new cutting edge or replaced by pulling the knife hanger back until it clears the knife hanger support, see Figure 19.

**NOTE:** The tapered knives, shown in Figure 19 and 20, are no longer available. They have been

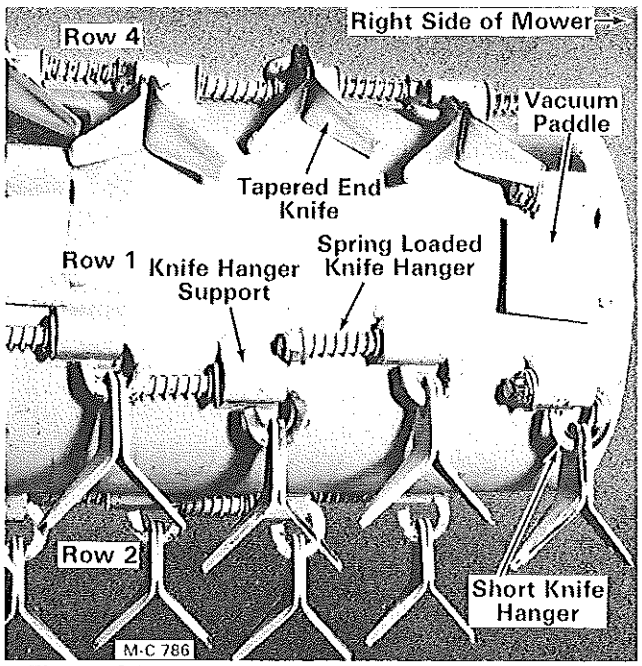


Figure 20 - Tapered Knives - Below S/N 47349

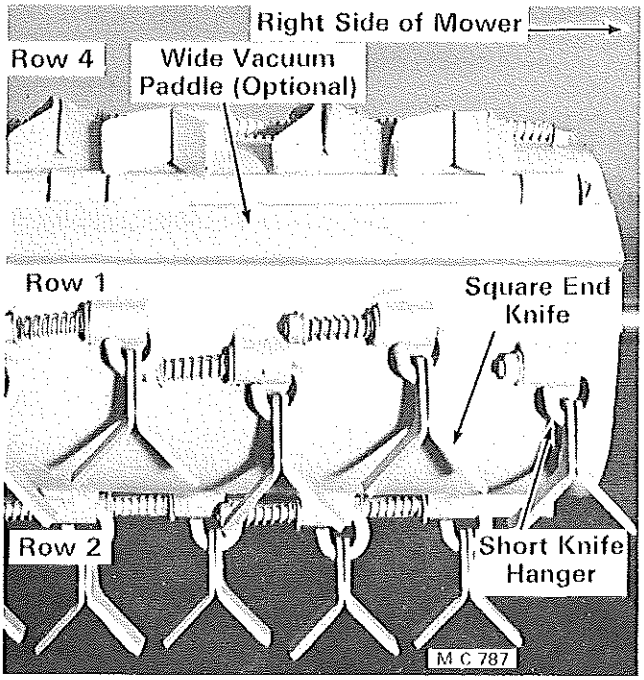


Figure 21 - Square End Knives - Above S/N 47348

replaced with the new square end knives shown in Figure 21.

If most of the tapered knives are being replaced, it is recommended that the entire set be replaced to maintain rotor balance. However, if only a few tapered knives are being replaced, the square end knives **MUST BE** installed in pairs 180 degrees apart to maintain rotor balance.

3. The knives can be sharpened on an electric bench grinder if desired.

**CAUTION:** Always wear safety glasses when sharpening knives with a grinder.

**IMPORTANT:** To get the correct overlap of knives, the hangers must be installed as follows: (See Figure 21).

Row 1 - All hanger nuts to the left.
Row 2 - All hanger nuts to the left.
Row 3 - (Hidden) All hanger nuts to the right.
Row 4 - All hanger nuts to the right.

One short knife hanger is installed at the extreme right of row 1 as shown in Figure 21 and one at the extreme left of row 3 (hidden).

4. Install the leaf mulching screen (if equipped) and the rear cover.

   **NOTE:** If thatching blades have been installed, do not install the leaf mulching screen because the tips of the thatching blades will contact the screen during operation.

### Thatching Blades

**NOTE:** The tapered thatching blades are no longer available. They have been replaced with the new square end thatching blades shown in Figure 22.

If most of the tapered thatching blades are being replaced, it is recommended that the entire set be replaced to maintain rotor balance. However, if only a few tapered thatching blades are being replaced, the square end thatching blades **MUST BE** installed in pairs 180 degrees apart to maintain rotor balance.

1. Thatching blades can be installed between the two knives on the knife hangers (see "C" in Figure 22) or the knives can be removed and thatching blades alone installed on the hangers (see "B" in Figure 22).
2. When thatching blades are installed, the cut-off bar must be adjusted so they do not hit it. See step 8 under "Chute and Hopper" on page 5.

**NOTE:** Do not install the optional leaf mulching screen because the tips of the thatching blades will contact the screen during operation.

### Vacuum Paddles

1. The standard vacuum paddles, Figure 20, can be removed by removing the locknut and sliding the vacuum paddle out of the support.

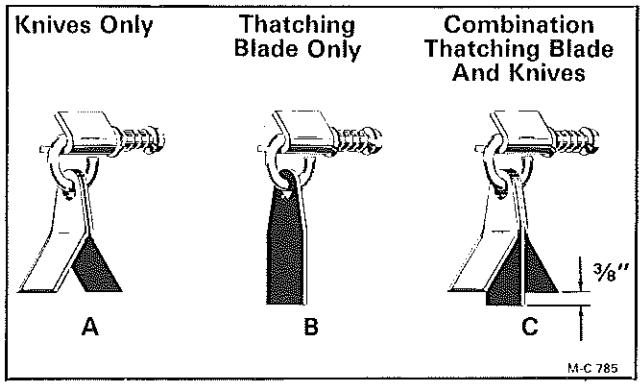



Figure 22

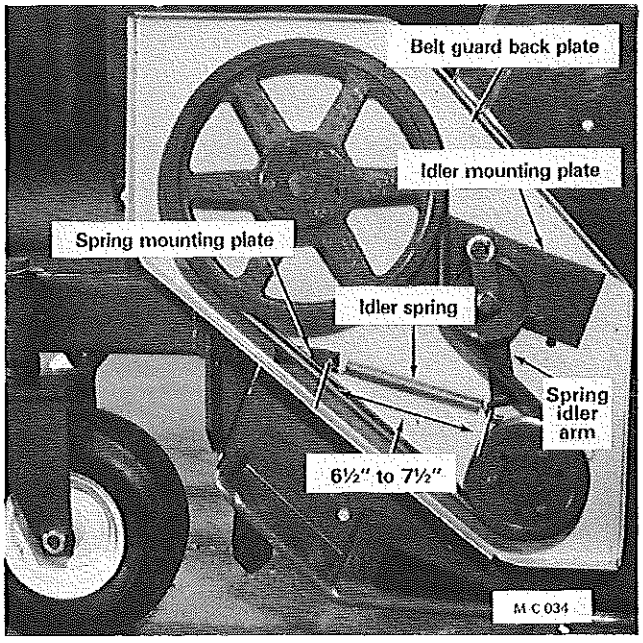



Figure 23

2. When the optional wide vacuum paddles, Figure 21, are to be installed, remove all of the standard vacuum paddles. The wide vacuum paddles mount between the standard vacuum paddle supports and are held in place with pivot rods, flatwashers and cotter pins.

**NOTE:** Install the wide vacuum paddle pivot rods through the hole in the body slot cover plate on the right side of the Lawn Genie. This plate is located just below the rotor stub shaft guard, See Figure 14.

## Drive Belt Adjustment

1. Remove the belt guard.
2. Drive belt tension is correct when the idler spring total length is 6½ to 7½ inches (from hook to hook), see Figure 23.

3. The spring mounting plate has two mounting holes. Unbolting it and moving it ahead to the second hole provides a 1 inch adjustment. After this adjustment has been used and more spring tension is required proceed as follows:
   A. Loosen the two capscrews holding the idler mounting plate to the belt guard back plate and Lawn Genie body (one capscrew is behind the belt idler). The belt guard back plate and Lawn Genie body have slotted holes to provide for idler mounting plate adjustment.
   B. Push the idler mounting plate forward until the spring length is 6½ to 7½ inches, then tighten the two idler mounting plate capscrews.
4. Clean dirt and debris from inside the guard and in the pulley grooves. Dirt build-up in the pulley grooves can ruin the belt. Install the belt guard.

**DRIVE BELT ADJUSTMENT**
**(Starting with S/N 53094)**

1. Remove the belt guard.
2. Loosen the idler pulley carriage bolt. (See Figure 23a)
3. Using a driftpin, insert it into the lowest hole above the idler pulley mounting plate and push the idler pulley downward to increase the tension.
4. Tighten the carriage bolt holding the idler pulley in place.

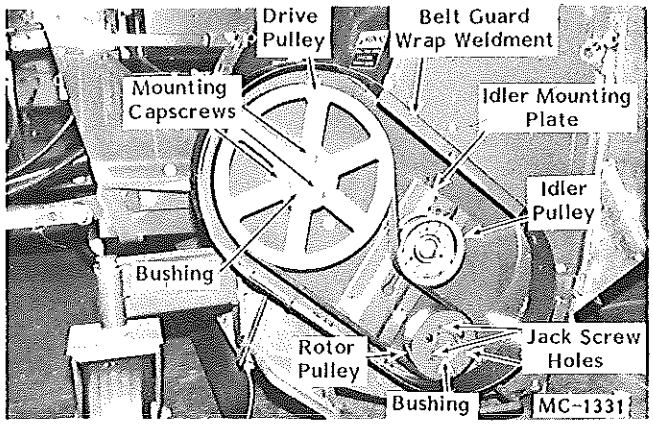



Figure 23a

## Drive Belt Replacement

1. Remove the belt guard.
2. Before replacing the drive belt determine what caused the belt failure. Three common causes of belt failure are:
   A. If the belt is broken, this indicates a severe shock load or engagement of the tractor PTO at high engine RPM. Always engage and disengage the tractor PTO at low engine RPM.
   B. If the belt is burned in places, this indicates that the belt is slipping. Adjust belt tension. See "Drive Belt Adjustment."
   C. If the belt has one segment turned over, is frayed or there is a great amount of powdered rubber in the belt guard, the drive and/or idler pulleys are misaligned. Refer to "Drive and Rotor Pulley Alignment" on page 17 and "Idler Pulley Alignment" page 17.

   To prevent another belt failure, correct the problem before installing a new belt.
2. Loosen the two capscrews holding the idler mounting plate to the belt guard back plate (one capscrew is behind the belt idler pulley), see Figure 23.
3. Move the idler mounting plate to the rear to decrease the idler spring tension. Unhook the spring from the spring idler arm. Move the idler arm up and remove the belt.

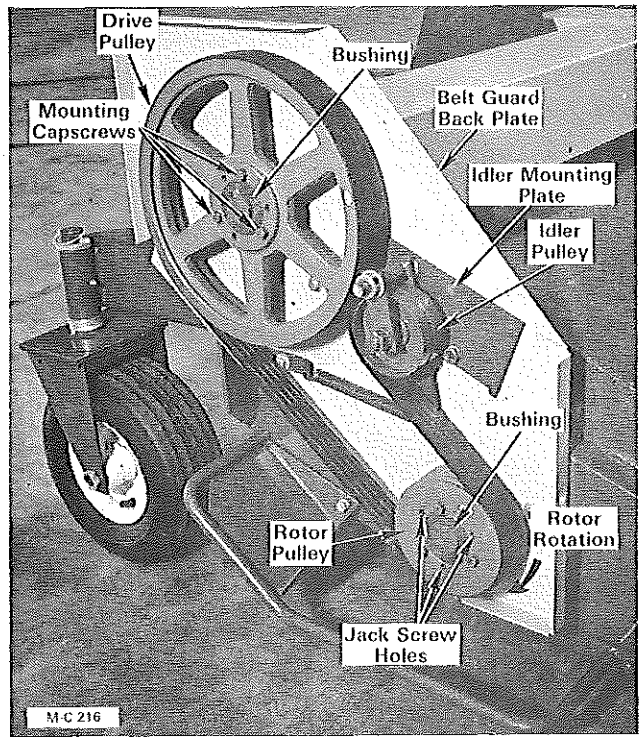



Figure 24

4. Clean dirt and debris from inside the guard and in the pulley grooves. Dirt build-up in the pulley grooves can ruin the belt.
5. Install the new belt. Connect the spring to the spring idler arm. Adjust the drive belt tension. See "Drive Belt Adjustment" on page 15. Install the belt guard.

## Drive and Rotor Pulley Alignment

1. To check drive and rotor pulley alignment, remove the belt guard cover and place a straight edge across the face of the drive and rotor pulley, see Figure 24.
2. If the pulleys are not in alignment, remove the input and output shaft guards, relieve idler spring tension and adjust the output shaft bearing as follows:
   A. **Pulleys are out of alignment vertically** Raise or lower the output shaft and bearing as required by adding or removing shims under the bearing, see Figure 25.
   B. **Pulleys are out of alignment horizontally** Loosen the bearing mounting capscrews and move the output shaft and bearing forward or back as required. The bearing mounting holes are slotted for this purpose, see Figure 25.
3. Check idler pulley alignment, see "Idler Pulley Alignment" following.

## Idler Pulley Alignment

1. The belt idler pulley must run in line with the drive and rotor pulleys so that the belt tracks flat on the idler pulley.

**IMPORTANT:** The drive and rotor pulleys must be in alignment before checking idler pulley alignment.

2. To check idler pulley alignment, place a straight edge across the face of the idler pulley up to the drive pulley. Measure the distance from the face of the drive pulley to the straight edge at two places. If the measurements are equal the idler pulley is aligned.
3. If the idler pulley is out of alignment, loosen the two capscrews holding the idler mounting plate to the belt guard back plate (one capscrew is behind the belt idler pulley), see Figure 23.
4. Move the idler mounting plate to the rear to decrease the idler spring tension. Unhook the spring from the spring idler arm. Move the idler arm up and remove the belt.
5. Add or remove ⅝ inch SAE flatwashers between the idler mounting plate and the spring idler arm as required to align the idler pulley.

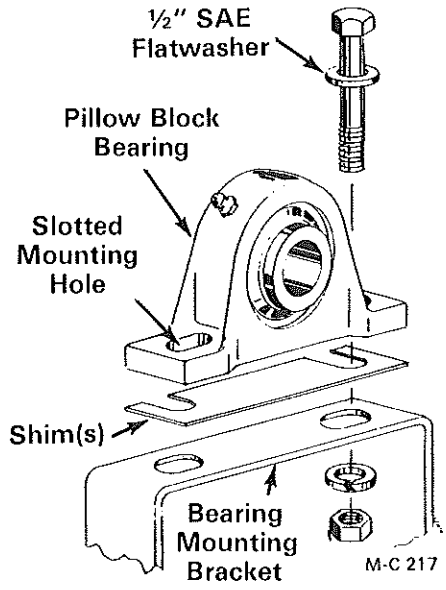



Figure 25

6. Install the belt. Connect the spring to the spring idler arm. Adjust the drive belt tension. See "Drive Belt Adjustment" page 15. Install the belt guard.

## Drive and Rotor Pulley Replacement

**NOTE:** The drive and rotor pulleys are held on the shafts with tapered bushings. Use the jackscrew holes in the pulleys to separate the pulleys from the bushings. Do not attempt to remove the pulleys with a gear puller as this could result in damage to the pulleys.

1. Remove the belt guard. Remove the drive belt. Refer to "Drive Belt Replacement" page 16 for procedure.
2. Remove the three mounting capscrews in the pulley, see Figure 24. Thread the capscrews into the three jack screw holes in the pulley. Tighten the three capscrews progressively and evenly until the pulley is loose on the bushing.
3. Remove the pulley and bushing from the shaft. If the bushing does not slip off of the shaft, wedge a screwdriver blade in the saw cut in the flange of the bushing (not the tapered surface) to spread the bushing.
4. Before installing the pulley and bushing thoroughly inspect the tapered bore of the pulley and the tapered surface of the bushing. Any paint, dirt, oil or grease **must** be removed.

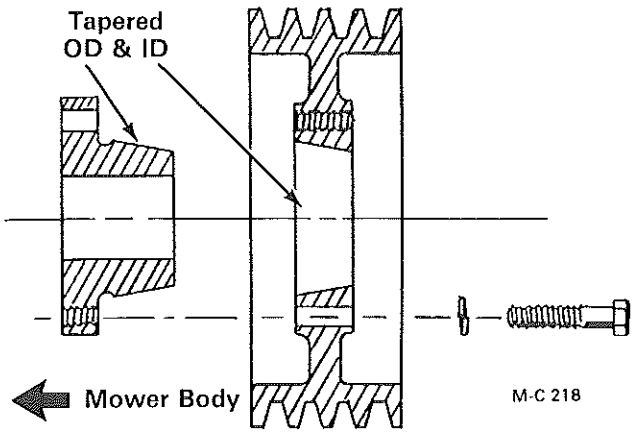



Figure 26

5. Place the bushing into the pulley from the rear so that the bushing flange is to the inside. see Figure 26. The bushing and the bore of the pulley are tapered. Be sure to install the bushing into the large ID of the pulley tapered bore. If the bushing is installed into the small ID of the pulley, the pulley hub will crack when the mounting capscrews are tightened.
6. Place the three capscrews through the open holes in the pulley and thread them into the bushing by hand. Do not tighten the capscrews.

   **IMPORTANT:** The capscrew and pulley threads must be clean and dry. Do not lubricate.
7. Install the key in the output drive and/or rotor shaft. Slide the pulley and bushing assembly onto the shaft. If the bushing is too tight on the shaft, wedge a screwdriver blade into the saw cut in the flange (not tapered surface) to spread the bushing.
8. Install the belt and move the pulley and bushing in or out until the belt is in alignment on the pulleys. Tighten the three capscrews evenly and progressively. Torque the pulley capscrews to 15 ft. lbs.

**IMPORTANT:** The tightening force on the three capscrews is multiplied many times by the wedging action of the bushing tapered surface. Do not exceed the specified torque, or use a lubricant on the capscrew threads. To do so may create bursting pressures in the hub of the pulley.

**NOTE:** There should be a ⅛ to ¼ inch gap between the pulley hub and the flange of the bushing. If the gap is closed, the shaft is undersize.

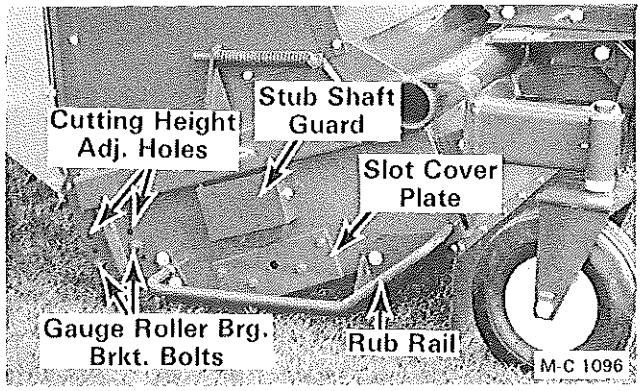



Figure 27

9. Check "Drive and Rotor Pulley Alignment" page 17 and "Idler Pulley Alignment" page 17 and adjust if necessary. Adjust the drive belt tension. Refer to "Drive Belt Adjustment" page 15. Install the belt guard cover.

## Rotor Bearing Replacement

### Right Bearing

1. Lift the right side of the Lawn Genie and block up the rotor so it cannot fall when the bearing is removed. **Do not** lift the Lawn Genie by the rotor.

**CAUTION:** Always use safety stands or blocking in conjunction with hydraulic jacks or hoists. Do not rely on the jack or hoist to carry the load, they could fail.

2. Remove the stub shaft guard and the rotor slot cover plate, see Figure 27.
3. Clean the end of the rotor shaft with emery cloth. Remove the two set screws in the bearing collar.
4. Remove the four capscrews and lockwashers from the flangette and remove both flangettes and bearing from the rotor shaft.
5. Lightly polish the rotor shaft with emery cloth. Lubricate the rotor shaft with motor oil. Install both flangettes with new rotor bearing on the rotor shaft. Flangette with grease fitting goes to the outside. Install the four capscrews and lockwashers loosely.
6. Remove the blocking from under the rotor and turn the rotor by hand to align the bearing on the rotor shaft. Tighten the flangette capscrews and the two set screws in the bearing collar securely.
7. Install the rotor slot cover plate and stub shaft guard.

8. Lubricate the rotor bearing with a hand grease gun. Do not over lubricate. Too much grease may damage the bearing seal. Remove all blocking and lower the Lawn Genie.

**Left Bearing**

1. Lift the left side of the Lawn Genie and block up the rotor so it cannot fall when the bearing is removed. **Do not** lift the Lawn Genie by the rotor.

**CAUTION:** Always use safety stands or blocking in conjunction with hydraulic jacks or hoists. Do not rely on the jack or hoist to carry the load, they could fail.

2. Remove the belt guard. Remove the drive belt. Refer to "Drive Belt Replacement" page 16 for procedure.
3. Remove the two idler mounting plate capscrews (one capscrew is behind the belt idler) and remove the drive belt spring idler assembly, see Figure 23.
4. Remove the drive and rotor pulleys. Refer to "Drive and Rotor Pulley Replacement" page 17 for procedure. Remove the belt guard back plate and rotor pulley key.
5. Clean the end of the rotor shaft with emery cloth. Remove the two set screws in the bearing collar.
6. Remove the four capscrews and lockwashers from the flangette and remove both flangettes and bearing from the rotor shaft.
7. Lightly polish the rotor shaft with emery cloth. Lubricate the rotor shaft with motor oil. Install both flangettes with new rotor bearing on the rotor shaft. Flangette with grease fitting goes to the outside. Install the four capscrews and lockwashers loosely.
8. Remove the blocking from under the rotor and turn the rotor by hand to align the bearing on the rotor shaft. Tighten the flangette capscrews and the two set screws in the bearing collar securely.
9. Install the belt guard back plate. Be sure to install the idler spring mounting plate as shown in Figure 23. Install the drive belt spring idler assembly and the idler spring. Leave the two idler mounting plate capscrews loose until the drive belt has been adjusted.
10. Install the drive and rotor pulleys. Refer to "Drive and Rotor Pulley Replacement" page 17. Check "Drive and Rotor Pulley Alignment" on page 17 and "Idler Pulley Alignment" on page 17 and adjust if necessary. Adjust the drive belt tension. Refer to "Drive Belt Adjustment" page 15. Install the belt guard.
11. Lubricate the rotor bearing with a hand grease gun. Do not over lubricate. Too much grease may damage the bearing seal. Remove all blocking and lower the Lawn Genie.

## Gauge Roller Bearing Replacement

1. Lift the back of the Lawn Genie just high enough to allow for removal of the gauge roller. **Do not** lift the Lawn Genie by the rotor.

**CAUTION:** Always use safety stands or blocking in conjunction with hydraulic jacks or hoists. Do not rely on the jack or hoist to carry the load, they could fail.

2. Support both ends of the gauge roller. Remove the two ½ inch capscrews, hex-nuts and lockwashers securing the bearing brackets to the Lawn Genie body, see Figure 27. Lower the gauge roller.
3. Clean the ends of the gauge roller shaft with emery cloth. Remove the set screw in the bearing collar. Place a drift pin in the hole in the bearing collar and strike the **right** bearing collar in a **counterclockwise** direction and/or the **left** bearing collar in a **clockwise** direction to unlock the collar. Slide the gauge roller bearing assembly off of the shaft.

**NOTE:** See "Self-Locking Bearing Collar" installation procedures on page 21. Removal is the reverse of this procedure. The rotation of the gauge roller is clockwise when viewed from the right side.

4. Remove the three ⅜ inch carriage bolts and locknuts securing the bearing flangettes to the bearing bracket.
5. Lightly polish the gauge roller shaft with emery cloth and lubricate the shaft with motor oil.
6. Place the locking side of the bearing into the flangette with the lubrication fitting. Mount the bearing with flangettes to the flat side of the bearing bracket with three ⅜ inch carriage bolts and new locknuts, see Figure 28. Do not fully tighten the locknuts.

7. Slide the gauge roller bearing assembly onto the gauge roller shaft with the bearing locking collar to the inside.
8. Lift the gauge roller into position. Place a bearing spacer between each bearing bracket and the Lawn Genie body, see Figure 28. Bolt the bearing brackets to the body with ½ inch capscrews, lockwashers and hex-nuts.

NOTE: Be sure to install the gauge roller in the same adjustment position as the caster wheel brackets. Refer to "Cutting Height and Leveling" page 10. This will establish an even cutting height.

9. Turn the gauge roller by hand to align the bearings on the shaft. Tighten the flangette locknuts securely. Lock the bearing collars, see page 21 for detailed procedure. Remove the safety stands or blocking and lower the Lawn Genie to the ground.
10. Lubricate the gauge roller bearings with a hand grease gun. Do not over lubricate. Too much grease may damage the bearing seal.

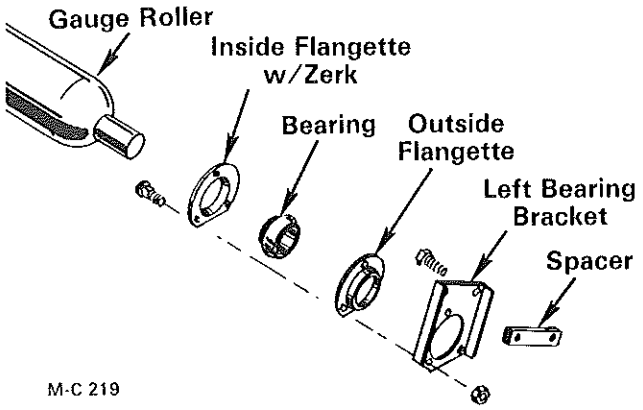



Figure 28

## Output Shaft Bearing Replacement

1. Remove the input and output shaft guards.
2. Remove the belt guard. Remove the drive belt. Refer to "Drive Belt Replacement" page 16 for procedure.
3. Remove the two idler mounting plate capscrews (one capscrew is behind the belt idler pulley) and remove the drive belt spring idler assembly, see Figure 23.
4. Remove the drive and rotor pulleys. Refer to "Drive and Rotor Pulley Replacement" on page 17 for procedure. Remove the belt guard back plate.
5. Scribe a line on the output shaft bearing mounting bracket as shown in Figure 29 to establish the location of the new bearing when reassembling.
6. Remove the set screw in the bearing collar, two capscrews, lockwashers and hex-nuts securing the output shaft bearing. Lift up on the output shaft and remove the shim(s) from under the output shaft bearing, see Figure 30.
7. Clean the output shaft with emery cloth and pull the output shaft bearing off of the output shaft.

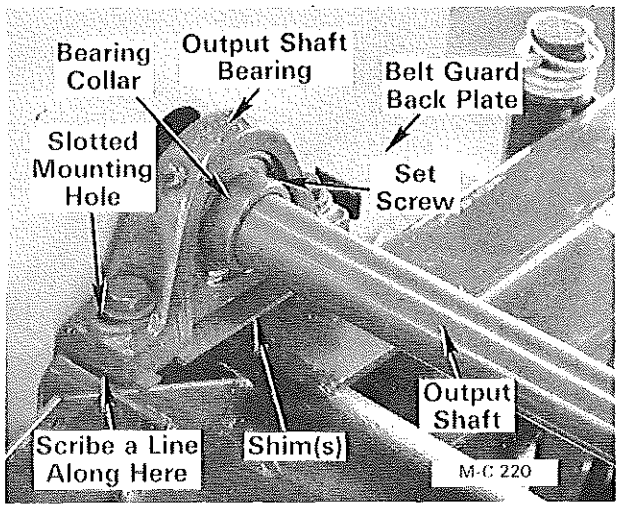



Figure 29

8. Lightly polish the output shaft with emery cloth. Lubricate the output shaft with motor oil and slide the new bearing onto the shaft.

   Be sure that the lubrication fitting faces the front of the mower.
9. Lift up on the output shaft and place the shim(s) on the output shaft bearing mounting bracket, see Figure 30. Install the capscrew, SAE flatwasher, lockwasher and hex-nut. Align the edge of the output shaft bearing with the mark scribed on the mounting bracket made in step 5, see Figure 29. Tighten the output shaft bearing capscrews and set screw in the bearing collar.
10. Install the belt guard back plate. Be sure to install the idler spring mounting plate as shown in Figure 23. Install the drive belt spring idler assembly and the idler spring. Leave the two idler mounting plate capscrews loose until the drive belt has been adjusted.

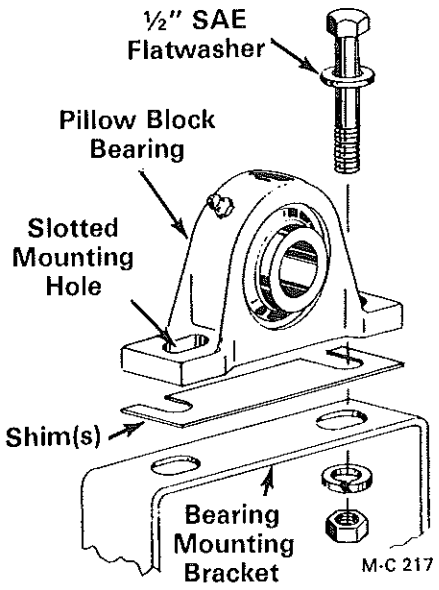



Figure 30

11. Install the drive and rotor pulleys. Refer to "Drive and Rotor Pulley Replacement" on page 17. Check "Drive and Rotor Pulley Alignment" page 17 and "Idler Pulley Alignment" page 17 and adjust if necessary. Adjust the drive belt tension. Refer to "Drive Belt Adjustment" page 15. Install the belt guard.
12. Lubricate the output shaft bearing with a hand grease gun. Do not over lubricate. Too much grease may damage the bearing seal. Install the output and input shaft guards.

## Self-Locking Bearing Collar Installation

1. Be sure the shaft is free of rust, paint and nicks before installing the bearing.
2. Observe cam design of wide inner ring and self-locking collar, see Figure 31.
3. Mate the cam of the collar with the cam of the bearing inner ring, See Figure 32.
4. Flangettes must be tightened securely before tightening the locking collar.
5. Pressing the collar lightly against the inner ring, turn the collar in the direction of shaft rotation until engaged.
6. With the drift pin in the collar hole, strike in the direction of shaft rotation to lock, see Figure 33.
7. Tighten the set screw in the collar, see Figure 34.

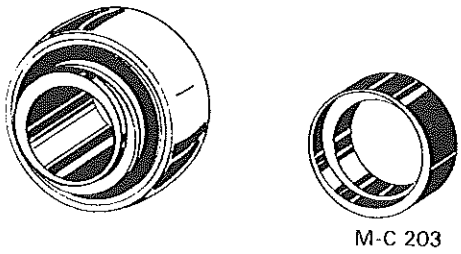



Figure 31

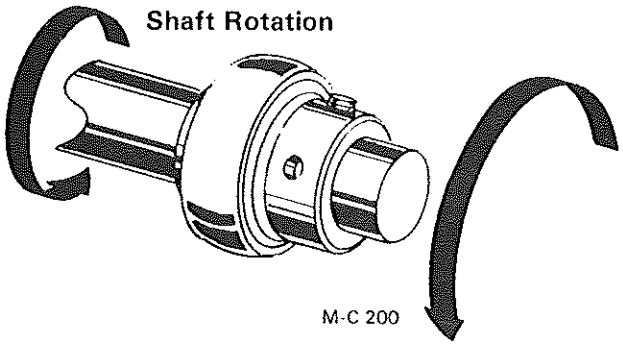



Figure 32

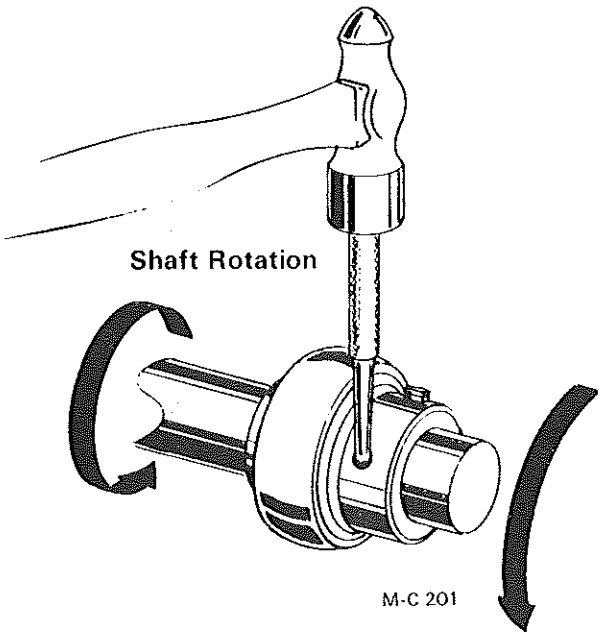



Figure 33

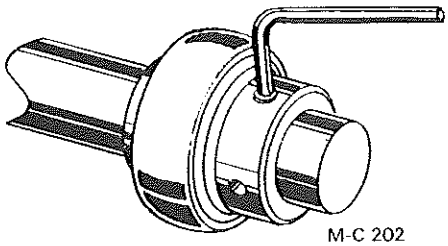



Figure 34

## Winter Storage

1. When the Lawn Genie is to be stored for an extended period of time or at the end of the season, lubricate all bearings with enough grease to eliminate any cavities where water condensation may occur and cause damage. Refer to "Lubrication" page 13 for location of all grease fittings. Be sure the vent on top of the gear box is open.

**IMPORTANT:** Use a hand grease gun. Do not over lubricate. Too much grease may damage the bearing seals.

2. Remove the belt guard and loosen the two capscrews holding the idler mounting plate to the belt guard back plate (one capscrew is behind the idler), see Figure 23. Push the idler mounting plate to the rear to relieve tension on the drive belt.
3. Clean dirt and debris from inside the guard and in the pulley grooves. Install the belt guard.

**NOTE:** Before next seasons use, be sure to adjust the drive belt tension. Refer to "Drive Belt Adjustment" page 15 for procedure.

4. Clean the entire Lawn Genie. Paint all exposed surfaces inside the Lawn Genie with oil to prevent rusting and pitting during storage.

## Pre-Season Check

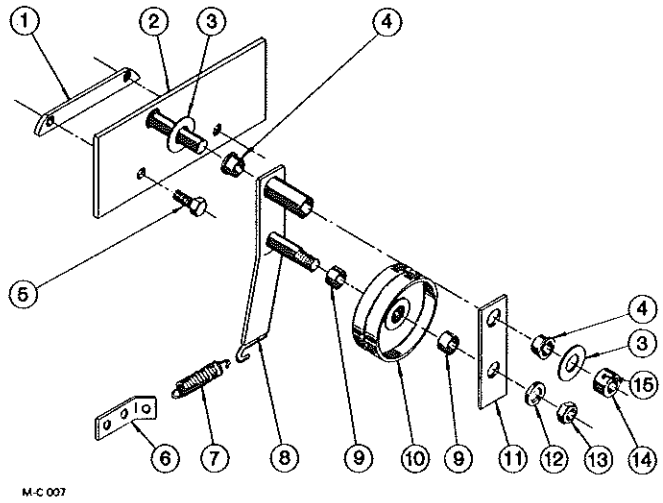
1. Inflate tires to 40 lbs.
2. Check the oil level in the gear box and lubricate all bearings. See "Lubrication" page 13.
3. Adjust the drive belt tension, see "Drive Belt Adjustment" page 15.
4. Inspect for missing and/or broken knives. Replace as necessary. See "Knives, Thatching Blades and Vacuum Paddles" page 14.
5. Be sure all safety shields are in place and secure.
6. Run the Lawn Genie at a low RPM checking to make sure that all drive line parts are moving freely.

# PARTS

## Drive Belt Spring Idler

Before S/N 53094

**131 1061** - Idler Ass'y. (includes all refs. marked with an *)

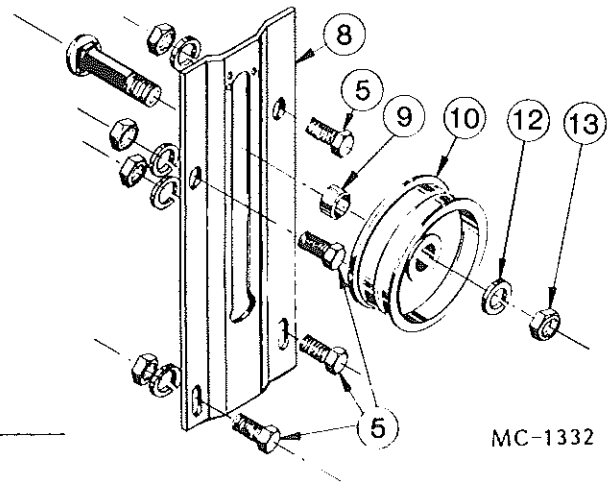



| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 001 5175 | 1 | Stud Anchor |
| 2 | 131 0046 | 1 | Idler Mounting Plate |
| 3 | 000 8299 | AR | 5/8" SAE Flatwasher |
| * 4 | 131 8976 | 2 | Flanged Nylon Liner |
| 5 | 131 8163 | 2 | 1/2-13 x 1 1/4" Capscrew - Grd. 5 w/NY Patch |
| 6 | 131 3308 | 1 | Spring Mounting Plate |
| 7 | 131 8256 | 1 | Idler Spring |
| * 8 | 131 0047 | 1 | Spring Idler Bracket |
| * 9 | 131 5592 | 2 | Spacer Sleeve |
| *10 | 001 6208 | 1 | Pressed Steel Idler |
| *11 | 131 3417 | 1 | Spring Idler Side Bar |
| *12 | 000 8181 | 1 | 5/8" Lockwasher |
| *13 | 000 8164 | 1 | 5/8-11 Hex Nut |
| 14 | 133 5600 | 1 | 5/8" I.D. Set Collar (Includes Ref. 15) |
| 15 | 000 8201 | 1 | 5/16-18 x 5/16" Set Screw |

## Drive Line Idler Assembly

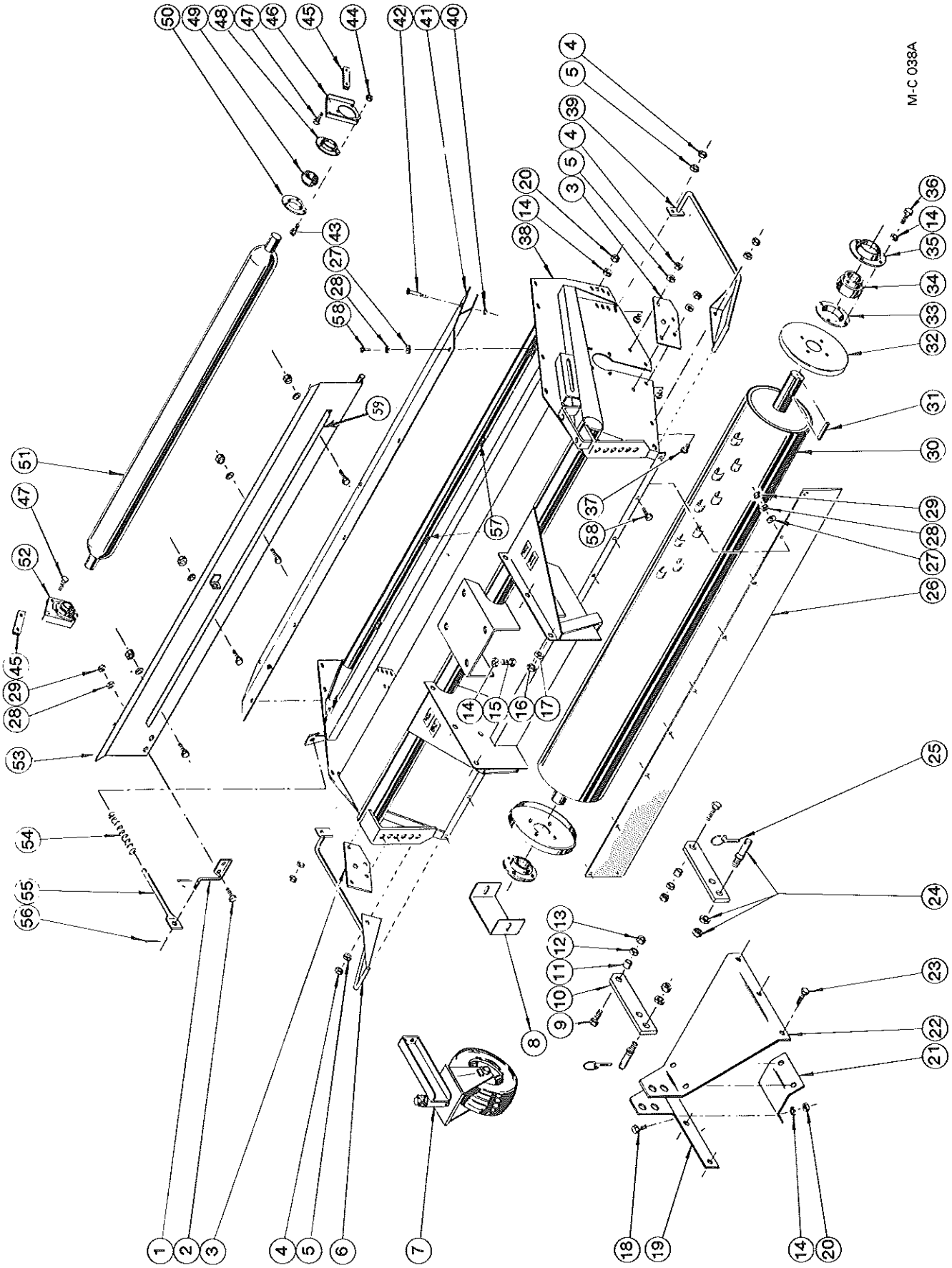
## Model LG60B, LG72B

**(Starting with Serial No. 53094)**




| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 8 | 131 3431 | 1 | Idler Bracket 60" & 72" |
| 5 | 000 8135 | 4 | 1/2-13 x 1 Hex Head Capscrew Grade 5 |
| | 000 8180 | 4 | 1/2" Lockwasher |
| | 000 8163 | 4 | 1/2-13 Hex Nut |
| 10 | 131 6216 | 1 | Idler Pulley 60" & 72" LG |
| | 001 8960 | 1 | 5/8-11 x 3 1/2 Carriage Bolt |
| 9 | 131 5644 | 1 | Idler Pulley Spacer |
| 12 | 000 8181 | 1 | 5/8" Lockwasher |
| 13 | 000 8164 | 1 | 5/8-11 Hex Nut |

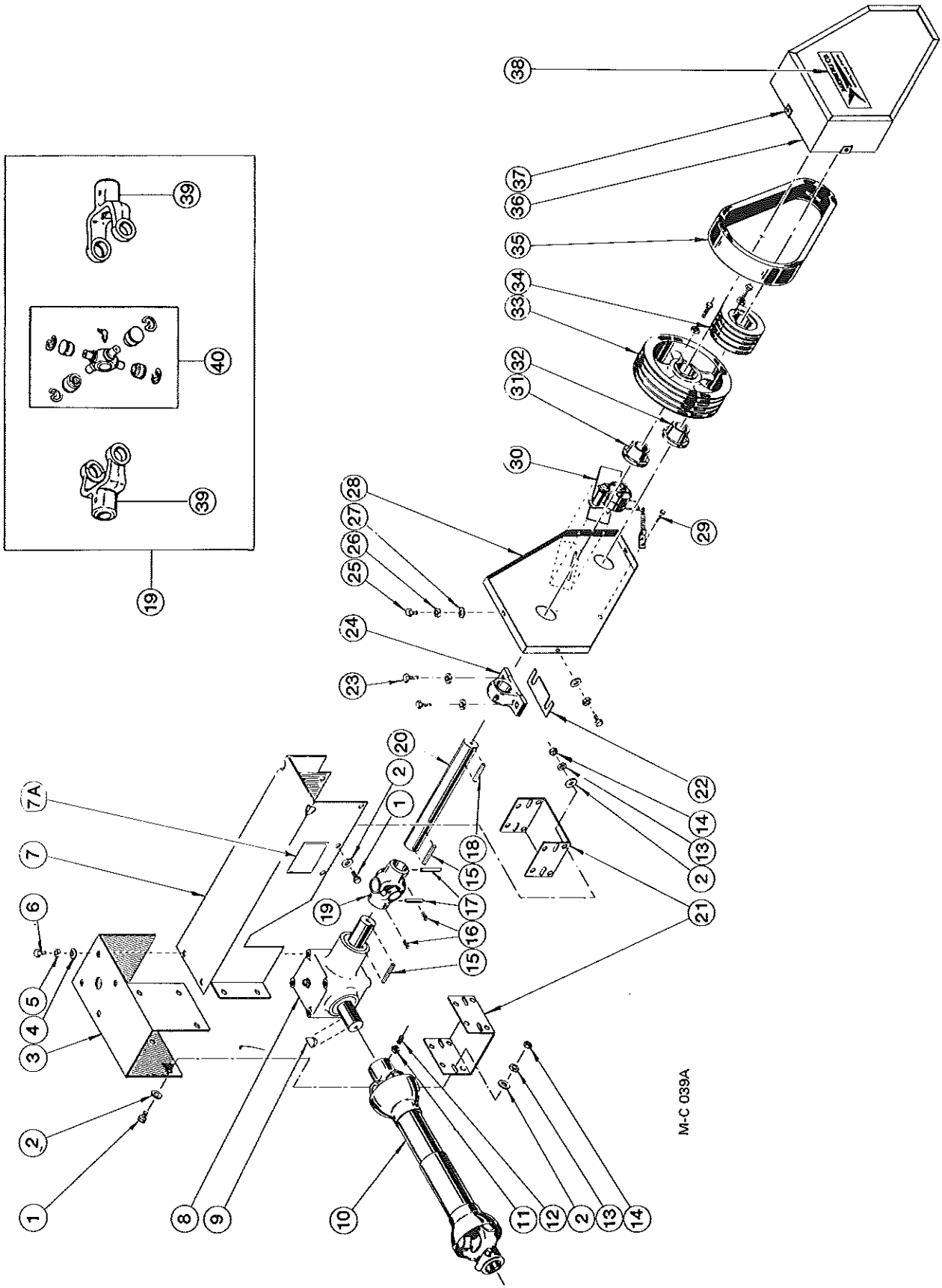
# Body and Gauge Roller



| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 131 0031 | 1 | Damper Panel Lever |
| 2 | 000 8108 | 10 | 5/16-18 x 1" Capscrew - Grd. 5 |
| 3 | 131 4215 | 2 | Slot Cover Plate |
| 4 | 000 8162 | 10 | ⅜-16 Hex Nut |
| 5 | 000 8179 | 10 | ⅜" Lockwasher |
| 6 | 133 0061 | 1 | Rub Rail-Right |
| 7 | - - - - - - - | 2 | Caster Wheel Ass'y. (See pg. 38 & 39) |
| 8 | 131 4676 | 1 | Stub Shaft Guard |
| 9 | 128 8196 | 2 | ¾-10 x 2½" Capscrew - Grd. 5 |
| 10 | 131 3670 | 2 | Hitch Floating Link |
| 11 | 131 5600 | 2 | Floating Link Bushing |
| 12 | 000 8182 | 4 | ¾" Lockwasher |
| 13 | 000 8165 | 4 | ¾-10 Hex Nut |
| 14 | 000 8180 | 20 | ½" Lockwasher |
| 15 | 131 8164 | 4 | ½-13 x 1" Capscrew - Grd. 5 w/NY Patch |
| 16 | 000 8164 | 6 | ⅝-11 Hex Nut |
| 17 | 000 8181 | 6 | ⅝" Lockwasher |
| 18 | 133 8161 | 4 | ½-13 x 1½" Capscrew - Grd. 5 |
| 19 | 131 3532 | 1 | Hitch Bracket-Right |
| 20 | 000 8163 | 8 | ½-13 Hex Nut |
| 21 | 131 3525 | 1 | **L60B & L72B** Hitch Center Support |
| 22 | 131 3533 | 1 | Hitch Bracket-Left |
| 23 | 000 8146 | 6 | ⅝-11 x 1½" Capscrew - Grd. 5 |
| 24 | 131 8210 | 2 | Cat. No. 1 Link Pin w/Nut & Lockwasher |
| 25 | 000 8993 | 2 | 7/16" Dia. Klick Pin |
| 26 | 130 8701 | 1 | **L & LG60B** Rubber Flap |
| | 131 8984 | 1 | **L & LG72B** Rubber Flap |
| 27 | 000 8173 | 18 | 5/16" Flatwasher |
| 28 | 000 8222 | 20 | 5/16" Lockwasher |
| 29 | 000 8159 | 15 | 5/16-18 Hex Nut |
| 30 | 131 1090 | 1 | **L & LG60B** Rotor Ass'y. (See pg. 34) |
| | 131 1091 | 1 | **L & LG72B** Rotor Ass'y. (See pg. 34) |
| 31 | 001 5154 | 1 | ½" x ½" x 2" Key |
| 32 | 131 0137 | 2 | Anti-Wrap Flange |
| 33 | 001 6022 | 2 | 1-15/16" Four Bolt Flangette |
| 34 | 131 6008 | 2 | 1-15/16" Bearing w/Collar |
| 35 | 001 6023 | 2 | 1-15/16" Four Bolt Flangette w/Zerk 001 8970 |
| 36 | 131 8163 | 8 | ½-13 x 1¼" Capscrew - Grd. 5 w/NY Patch |
| 37 | 000 8134 | 10 | ⅜-16 x ¾" Truss Head Screw |
| 38 | - - - - - - - | | Not Available |
| 39 | 133 0062 | 1 | Rub Rail-Left |
| 40 | 000 8288 | 3 | 5/16-18 Two Way Locknut |
| 41 | 131 0086 | 1 | **L & LG60B** Rear Cover |
| | 131 0036 | 1 | **L & LG72B** Rear Cover |
| 42 | 000 8114 | 3 | 5/16-18 x 2½" Capscrew |
| 43 | 000 8122 | 6 | ⅜-16 x 1" Carriage Bolt - Grd. 5 |
| 44 | 000 8204 | 6 | ⅜-16 Hex Nut w/NY Lock |
| 45 | 131 3640 | 2 | Spacer |
| 46 | 131 4237 | 1 | Bearing Bracket-Left (Shown) |
| | 131 4238 | 1 | Bearing Bracket-Right (Not Shown) |
| 47 | 000 8278 | 4 | ½-13 x 1¾" Capscrew - Grd. 5 |
| 48 | 131 5798 | 2 | 1¼" Three Bolt Flange |
| 49 | 131 6009 | 2 | 1¼" Relube. Bearing w/Collar |
| 50 | 131 5797 | 1 | 1¼" Three Bolt Flange w/Zerk-Left |
| | 131 5799 | 1 | 1¼" Three Bolt Flange w/Zerk-Right |
| 51 | 131 0143 | 1 | **L & LG60B** Gauge Roller |
| | 131 0142 | 1 | **L & LG72B** Gauge Roller |
| 52 | 131 1102 | 1 | Gauge Roller Bearing Ass'y-Right (Shown) Includes one ea. of Ref. 46 (131 4238), Ref. 48, 49 and 50 (131 5799). |
| | 131 1101 | 1 | Gauge Roller Bearing Ass'y.-Left (Not Shown). Includes one ea. of Ref. 46 (131 4237), Ref. 48, 49 and 50 (131 5797). |
| 53 | 131 0087 | 1 | **L & LG60B** Damper Panel |
| | 131 0030 | 1 | **L & LG72B** Damper Panel |
| 54 | 131 8981 | 1 | Damper Spring |
| 55 | 131 5191 | 1 | Spring Holder Rod |
| 56 | 000 8199 | 2 | ⅛" x 1" Cotter Pin |
| 57 | 001 8111 | 5 | 5/16-18 Clip Nut |
| 58 | 000 8106 | 18 | 5/16-18 x ¾" Capscrew |
| 59 | 131 4482 | 1 | Damper Angle 60" |
| | 131 4483 | 1 | Damper Angle 72" |
| | 000 8106 | 4 | 5/16-18 x 3/4 Hex Head Capscrew |
| | 000 8222 | 4 | 5/16 Lockwasher |
| | 000 8159 | 4 | 5/16-18 Hex Nut |
| **Not Shown** | | | |
| — | 131 8304 | 1 | Patent Decal |
| — | 001 8310 | 1 | Warranty Decal - "NOTICE" |
| — | 001 8312 | 1 | Broken Knife Decal |
| — | 121 8301 | 1 | Counterclockwise Arrow Decal |
| — | 121 8310 | 1 | Made in USA Decal |

# Drive Line and Guards

Before S/N 53094

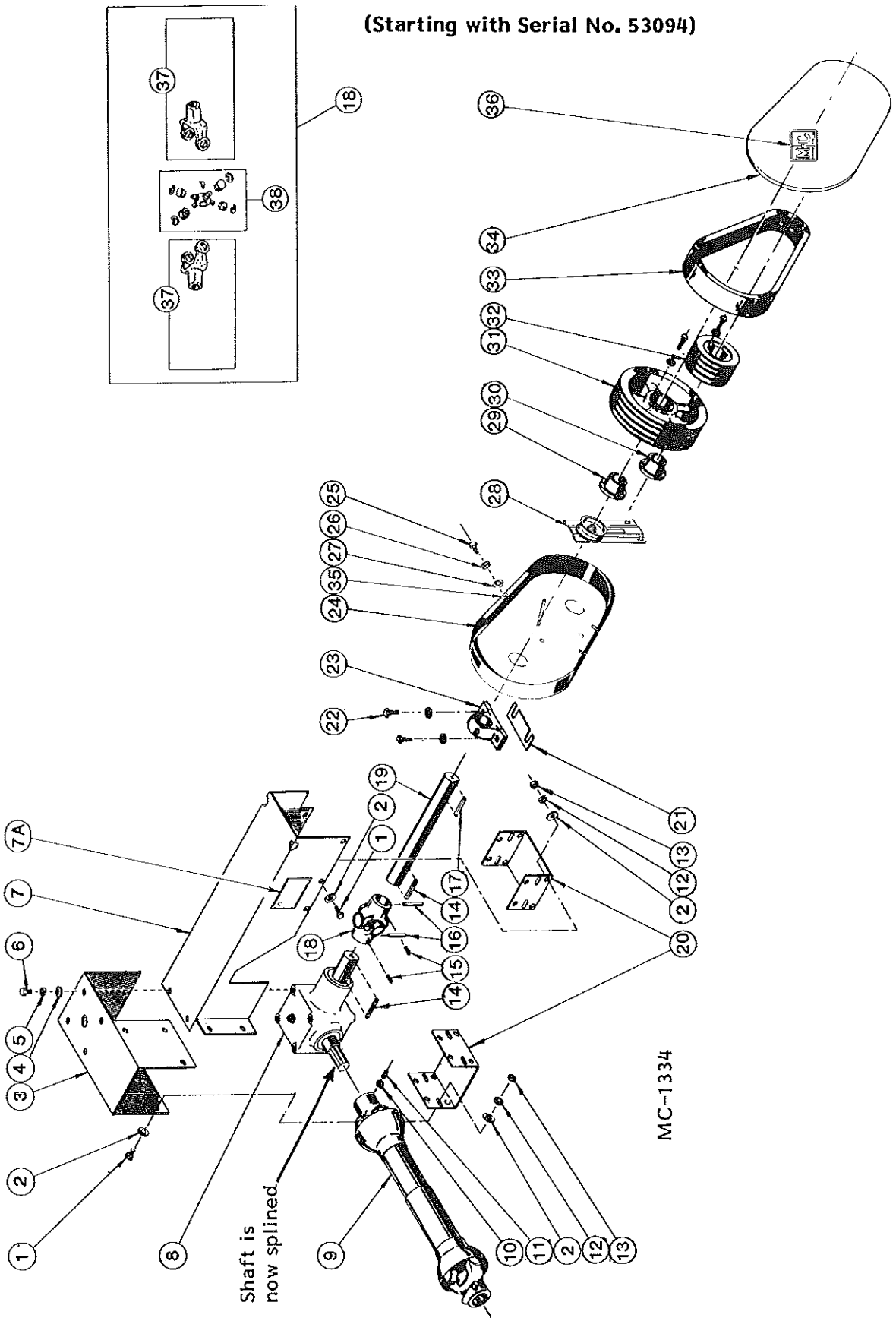


| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 000 8121 | 10 | ⅜-16 x 1" Capscrew |
| 2 | 000 8174 | 20 | ⅜" Flatwasher |
| 3 | 131 4807 | 1 | Input Shaft Guard |
| 4 | 000 8175 | 4 | ½" Flatwasher |
| 5 | 000 8180 | 4 | ½" Lockwasher |
| 6 | 000 8135 | 4 | ½-13 x 1" Capscrew - Grd. 5 |
| 7 | 131 4674 | 1 | **L & LG60B** Output Shaft Guard |
| | 131 4673 | 1 | **L & LG72B** Output Shaft Guard |
| 7A | 000 8301 | 1 | Safety Shield Warning Decal |
| 8 | 131 6608 | 1 | Gear Box (See pg. 36) |
| 9 | 001 8998 | 1 | ⅜" x 1¼" Woodruff Key |
| 10 | - - - - - - - | 1 | PTO Shaft (See pg. 32 & 33) |
| 11 | 128 8133 | 1 | ⅜-16 Jam Nut |
| 12 | 131 8134 | 1 | ⅜-16 x 1" Cup Pt. Set Screw w/NYLK |
| 13 | 001 8139 | 10 | ⅜" Lockwasher |
| 14 | 000 8162 | 10 | ⅜-16 Hex Nut |
| 15 | 001 5132 | 2 | ⅜" x ⅜" x 2" Key |
| 16 | 121 8130 | 2 | ⅜-16 x ⅜" Knurled Cup Pt. Set Screw |
| 17 | 131 8136 | 2 | ⅜ x 2½" Roll Pin |
| 18 | 131 5130 | 1 | ⅜" x ⅜" x 2¼" Key |
| 19 | 131 6615 | 1 | Output Shaft Universal Join |
| 20 | 131 5068 | 1 | **L & LG60B** Output Drive Shaft |
| | 131 5069 | 1 | **L & LG72B** Output Drive Shaft |
| 21 | 131 4806 | 2 | Undercover & Brace |
| 22 | 001 4877 | AR | Bearing Shim |

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 23 | 000 8141 | 2 | ½-13 x 2½" Capscrew - Grd. 5 |
| | 000 8180 | 2 | ½" Lockwasher |
| | 001 8257 | 4 | ½" SAE Flatwasher |
| | 000 8163 | 2 | ½-13 Hex Nut |
| 24 | 001 6011 | 1 | Pillow Block Bearing 1-7/16" w/Zerk Fitting |
| 25 | 000 8108 | 4 | 5/16-18 x 1" Capscrew - Grd. 5 |
| 26 | 000 8222 | 4 | 5/16" Lockwasher |
| 27 | 000 8173 | 4 | 5/16" Flatwasher |
| 28 | 131 4434 | 1 | Belt Guard Back Plate |
| 29 | 000 8108 | 1 | 5/16-18 x 1" Capscrew - Grd. 5 |
| 30 | - - - - - - - | 1 | Drive Belt Idler Ass'y. (See pg. 23) |
| 31 | 001 6202 | 1 | SK Bushing 1-7/16" Bore (Incl. Capscrews & Lockwashers) |
| 32 | 121 6252 | 1 | SK Bushing 1-15/16" Bore (Incl. Capscrews & Lockwashers) |
| 33 | 131 6201 | 1 | 4/3V/14.0 SK Drive Pulley |
| 34 | 001 6203 | 1 | 4/3V/6.0 SK Rotor Pulley |
| 35 | 131 6101 | 1 | 4/3V/710 Belt |
| 36 | 131 0038 | 1 | Belt Guard |
| 37 | 001 8111 | 3 | 5/16-18 Clip Nut |
| 38 | 001 8303 | 1 | M-C Arrow Decal |
| 39 | 132 9010 | 2 | End Yoke |
| 40 | 132 9011 | 1 | Universal Joint Repair Kit |

# Drive Line and Guards
# Model LG60B & LG72B

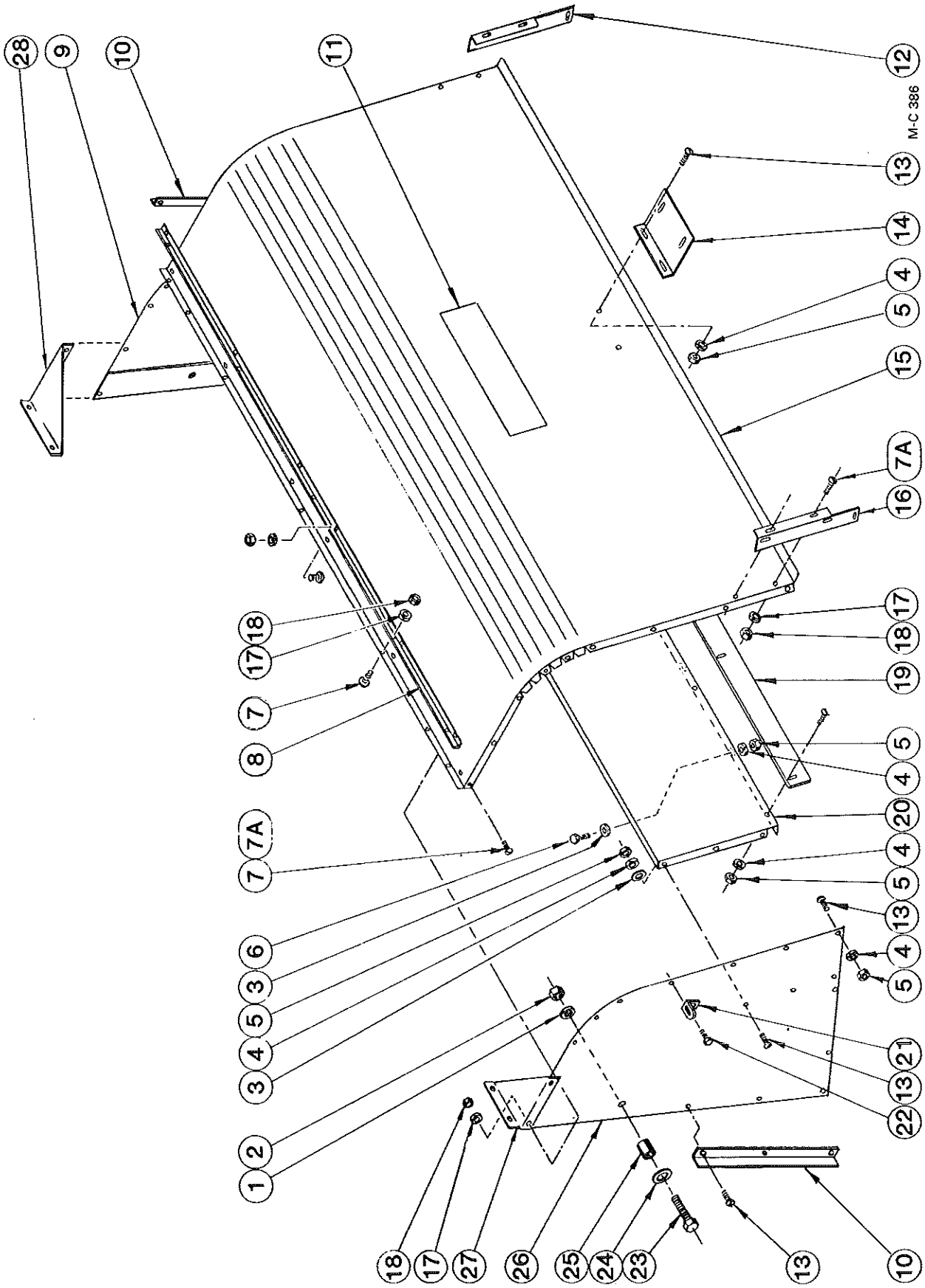
**(Starting with Serial No. 53094)**



# Drive Line and Guards
## Model LG60B & LG72B
(Starting with Serial No. 53094)

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 000 8121 | 10 | 3/8-16 x 1" Capscrew |
| 2 | 000 8174 | 20 | 3/8" Flatwasher |
| 3 | 131 4807 | 1 | Input Shaft Guard |
| 4 | 000 8175 | 4 | ½" Flatwasher |
| 5 | 000 8180 | 4 | ½" Lockwasher |
| 6 | 000 8135 | 4 | ½-13 x 1" Capscrew - Grd. 5 |
| 7 | 131 4674 | 1 | L&LG60B Output Shaft Guard |
| | 131 4673 | 1 | L&LG72B Output Shaft Guard |
| 7A | 000 8301 | 1 | Safety Shield Warning Decal |
| 8 | 131 6619 | 1 | Gearbox (See pg. 36) |
| 9 | --- ---- | 1 | PTO Shaft (See pg. 33a & b) |
| 10 | 128 8133 | 1 | 3/8-16 Jam Nut |
| 11 | 131 8134 | 1 | 3/8-16 x 1" Cup Pt. Set Screw w/NYLK |
| 12 | 001 8139 | 10 | 3/8" Lockwasher |
| 13 | 000 8162 | 10 | 3/8-16 Hex Nut |
| 14 | 001 5132 | 2 | 3/8" x 3/8" x 2" Key |
| 15 | 121 8130 | 2 | 3/8-16 x 3/8" Knurled Cup Pt. Set Screw |
| 16 | 131 8136 | 2 | 3/8 x 2½" Roll Pin |
| 17 | 131 5130 | 1 | 3/8" x 3/8" x 2¼" Key |
| 18 | 131 6615 | 1 | Output Shaft Universal Joint |
| 19 | 131 5068 | 1 | L&LG60B Output Drive Shaft |
| | 131 5069 | 1 | L&LG72B Output Drive Shaft |
| 20 | 131 4806 | 2 | Undercover & Brace |
| 21 | 001 4877 | AR | Bearing Shim |
| 22 | 000 8141 | 2 | ½-13 x 2½" Capscrew - Grd. 5 |
| | 000 8180 | 2 | ½" Lockwasher |
| | 001 8257 | 4 | ½" SAE Flatwasher |
| | 000 8163 | 2 | ½-13 Hex Nut |
| 23 | 001 6011 | 1 | Pillow Block Bearing 1-7/16" w/Zerk Fitting |
| 24 | 131 0156 | 1 | Belt Guard Wrap Weldment |
| 25 | 000 8108 | 1 | 5/16-18 x 1" Capscrew - Grd. 5 |
| 26 | 000 8222 | 1 | 5/16" Lockwasher |
| 27 | 000 8173 | 1 | 5/16" Flatwasher |
| 28 | 131 6216 | 1 | Idler Pulley 60" & 72" (See pg. 23) |
| | 131 3431 | 1 | Idler Bracket 60" & 72" |
| | 000 8135 | 4 | ½-13 x 1" Capscrew - Grd. 5 |
| | 000 8180 | 4 | ½" Lockwasher |
| | 000 8163 | 4 | ½-13 Hex Nut |
| | 001 8960 | 1 | 5/8-11 x 3½ Carriage Bolt |
| | 131 5644 | 1 | Idler Pulley Spacer |
| | 000 8181 | 1 | 5/8" Lockwasher |
| | 000 8164 | 1 | 5/8-11 Hex Nut |
| 29 | 001 6202 | 1 | SK Bushing 1-7/16" Bore (Incl. Capscrews & Lockwashers) |
| 30 | 121 6252 | 1 | SK Bushing 1-15/16" Bore (Incl. Capscrews & Lockwashers) |
| 31 | 131 6201 | 1 | 4/3V/14.0 SK Drive Pulley |
| 32 | 001 6203 | 1 | 4/3V/6.0 SK Rotor Pulley |
| 33 | 131 6101 | 1 | 4/3V/710 Belt |
| 34 | 131 4481 | 1 | Belt Guard Cover |
| 35 | 001 8111 | 3 | 5/16-18 Clip Nut |
| 36 | 128 8300 | 1 | M-C Decal |
| 37 | 132 9010 | 2 | End Yoke |
| 38 | 132 9011 | 1 | Universal Joint Repair Kit |

# Chute



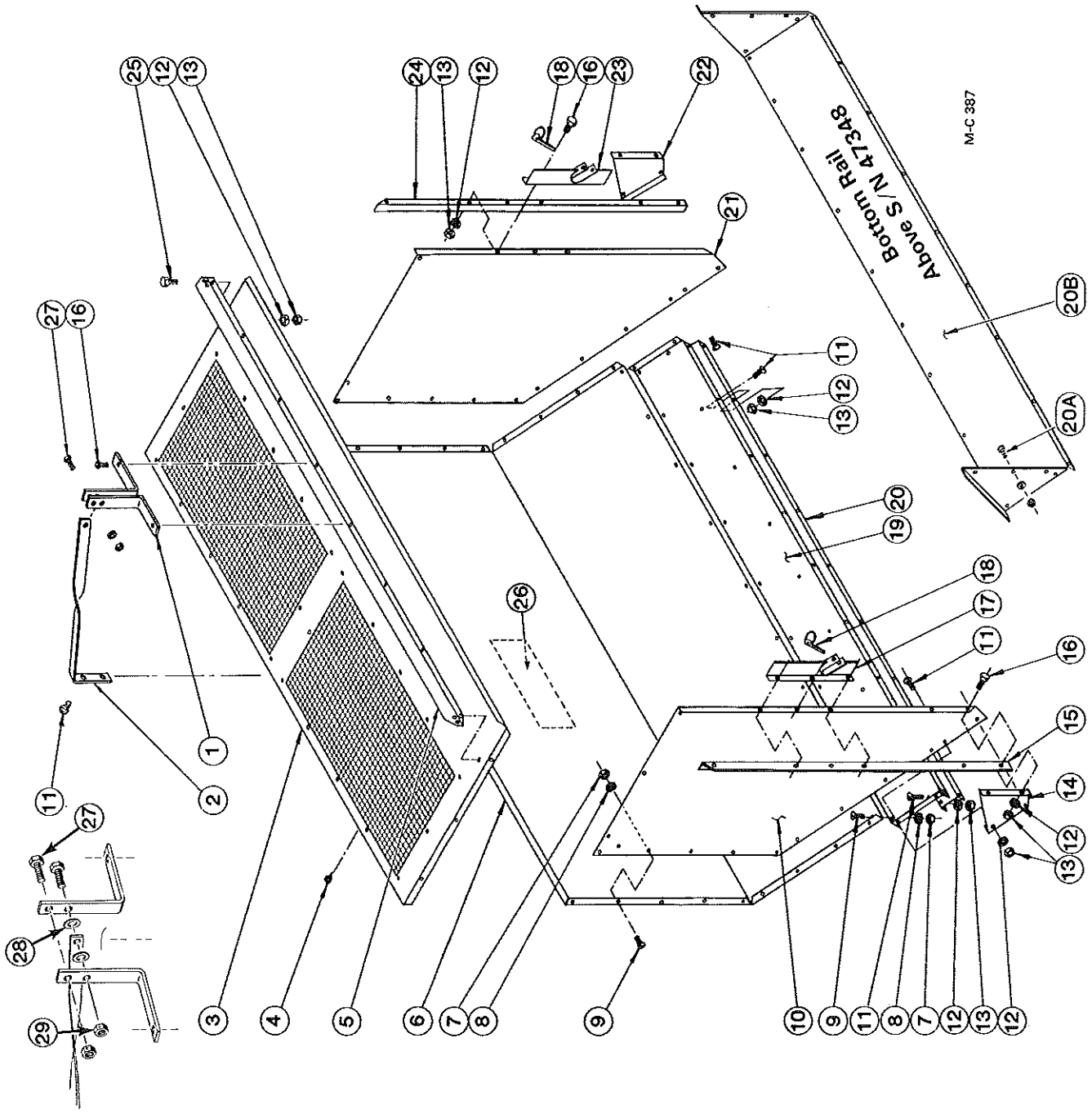
**NOTE:** Starting with S/N 47349, the chute and hopper were preassembled at the factory. Some ¼" monobolt rivets were used. If any rivets are to be replaced, purchase them locally or replace them with ¼-20 x ½" Truss Head Screws, Lockwashers and Hex Nuts.

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 000 8180 | 2 | ½" Lockwasher |
| 2 | 000 8163 | 2 | ½-13 Hex Nut |
| 3 | 000 8173 | 14 | 5/16" Flatwasher |
| 4 | 000 8222 | 33 | 5/16" Lockwasher |
| 5 | 000 8159 | 33 | 5/16-18 Hex Nut |
| 6 | 000 8106 | 8 | 5/16-18 x ¾" Capscrew |
| 7 | 000 8212 | 31 | ¼-20 x ½" Truss Hd. Screw |
| 7A | 000 8211 | 4 | ¼-20 x ¾" Truss Hd. Screw |
| 8 | 133 2609 | 1 | **LG60B** Chute & Hopper Stiffening Angle |
| | 133 2608 | 1 | **LG72B** Chute & Hopper Stiffening Angle |
| 9 | 133 0039 | 1 | Chute Side - Left |
| 10 | 131 4431 | 2 | Hopper Stop |
| 11 | 131 8300 | 1 | Lawn Genie Decal |
| 12 | 133 4654 | 1 | Chute Brace - Left |
| 13 | 000 8104 | 25 | 5/16-18 x ¾" Truss Hd. Screw |
| 14 | 133 4440 | 1 | Chute Front Panel Brace |
| 15 | 133 4887 | 1 | **LG60B** Chute Front Panel |
| | 133 4888 | 1 | **LG72B** Chute Front Panel |
| 16 | 133 4655 | 1 | Chute Brace - Right |
| 17 | 000 8178 | 37 | ¼" Lockwasher |
| 18 | 000 8158 | 37 | ¼-20 Hex Nut |
| 19 | 131 4456 | 1 | **LG60B** Cut-Off Bar |
| | 133 4431 | 1 | **LG72B** Cut-Off Bar |
| 20 | 133 4779 | 1 | **LG60B** Chute Rear Panel |
| | 133 4767 | 1 | **LG72B** Chute Rear Panel |
| 21 | 001 3302 | 2 | Hopper Stop |
| 22 | 000 8100 | 2 | ¼-20 x ¾" Capscrew - Grd. 5 |
| 23 | 128 8166 | 2 | ½-13 x 2½" Capscrew- Grd. 5 |
| 24 | 000 8175 | 2 | ½" Flatwasher |
| †25 | 133 5605 | 2 | Hopper Pivot Bushing |
| 26 | 133 0038 | 1 | Chute Side - Right |
| 27 | 133 2835 | 1 | Chute Corner Brace - Rt. |
| 28 | 133 2836 | 1 | Chute Corner Brace - Lt. |

† See page 46 for Hopper Pivot Kit

**NOTE: Complete Chute Assemblies are Available - Order as Follows:**
**133 1038 for L & LG60B**
**133 1040 for L & LG72B**

# Hopper



**NOTE:** Starting with S/N 47349, the chute and hopper were preassembled at the factory. Some ¼" monobolt rivets were used. If any rivets are to be replaced, purchase them locally or replace them with ¼-20 x ½" Truss Head Screws, Lockwashers and Hex Nuts.

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 133 2050 | 2 | Pull Strap |
| 2 | 133 3424 | 1 | Center Brace |
| 3 | 133 1048 | 1 | **LG60B** Hopper Top Ass'y. (incl. ref. 5) |
| | 133 1047 | 1 | **LG72B** Hopper Top Ass'y. (incl. ref. 5) |
| 4 | 001 8264 | 10 | No. 10 x ½" Slotted Hex Washer Head Screw |
| 5 | 133 2719 | 1 | **LG60B** Hopper Top Support |
| | 133 2720 | 1 | **LG72B** Hopper Top Support |
| 6 | 131 3070 | 1 | **LG60B** Rear Hopper Panel |
| | 131 2946 | 1 | **LG72B** Rear Hopper Panel |
| 7 | 000 8158 | 35 | ¼-20 Hex Nut |
| 8 | 000 8178 | 35 | ¼" Lockwasher |
| 9 | 000 8212 | 31 | ¼-20 x ½" Truss Hd. Screw |
| 10 | 133 2946 | 1 | Hopper Side Panel - Rt. |
| 11 | 000 8104 | 24 | 5/16-18 x ¾" Truss Hd. Screw |
| 12 | 000 8222 | 47 | 5/16" Lockwasher |
| 13 | 000 8159 | 47 | 5/16-18 Hex Nut |
| 14 | 133 2831 | 1 | Hopper Gusset - Right (Below S/N 47349) |
| 15 | 133 2722 | 1 | Side Angle - Right |
| 16 | 000 8106 | 10 | 5/16-18 x ¾" Capscrew |
| †17 | 133 0052 | 1 | Hopper Pivot - Right |
| 18 | 000 8995 | 2 | Klick Pin - 5/16" Dia. |

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 19 | 131 4786 | 1 | **LG60B** Bottom Rail (Below S/N 47349) |
| | 131 2832 | 1 | **LG72B** Bottom Rail (Below S/N 47349) |
| 20 | 132 4458 | 1 | **LG60B** Hopper Stiffener Channel |
| | 132 2603 | 1 | **LG72B** Hopper Stiffener Channel |
| 20A | 000 8211 | 21 | ¼-20 x ¾" Truss Hd. Screw |
| 20B | 131 2606 | 1 | **LG60B** Bottom Rail (Above S/N 47348) |
| | 131 2605 | 1 | **LG72B** Bottom Rail (Above S/N 47348) |
| 21 | 133 2947 | 1 | Hopper Side Panel - Left |
| 22 | 133 2830 | 1 | Hopper Gusset - Left (Below S/N 47349) |
| †23 | 133 0053 | 1 | Hopper Pivot - Left |
| 24 | 133 2721 | 1 | Side Angle - Left |
| 25 | 001 8119 | 9 | 5/16-18 x ¾" Capscrew - Grd. 5 |
| 26 | 131 8300 | 1 | Lawn Genie Decal |
| 27 | 001 8124 | 2 | 5/16-18 x 1¼" Capscrew - Grd. 5 |
| 28 | 000 8173 | 12 | 5/16" Flatwasher |
| 29 | 000 8288 | 2 | 5/16-18 Two Way Locknut |

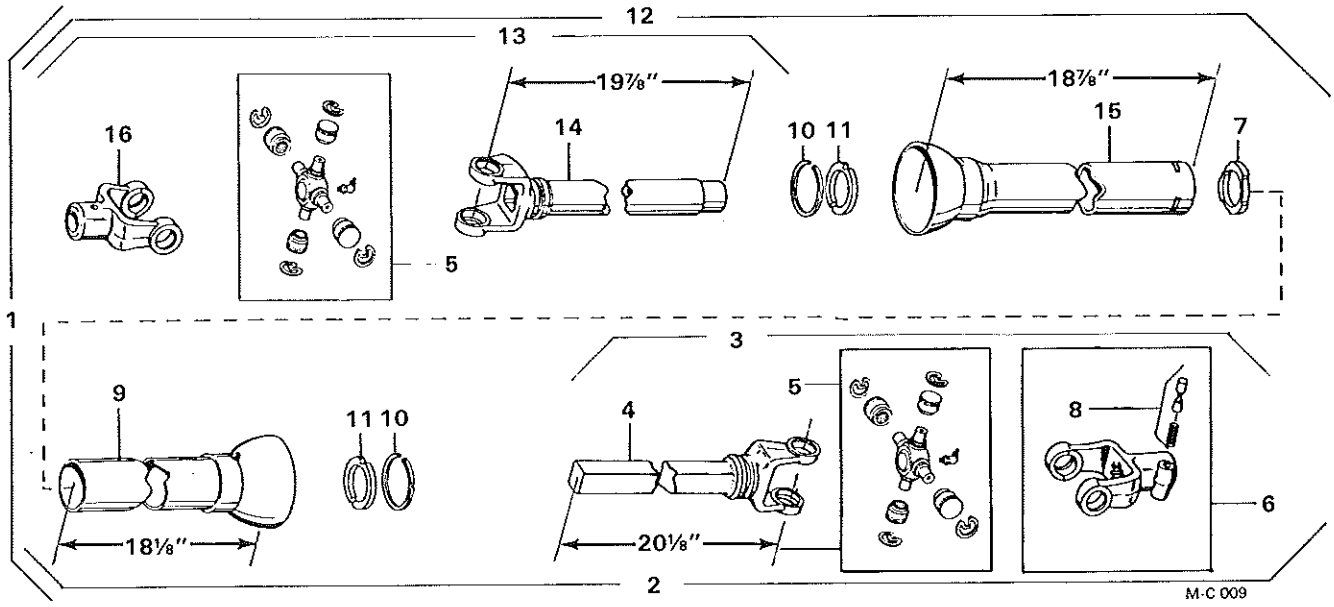
† See page 46 for Hopper Pivot Kit

**NOTE: Complete Hopper Assemblies are Available - Order as Follows:**
**133 1073 for L & LG60B**
**133 1072 for L & LG72B**

# Power Take-Off Shaft (w/Metal Guards)

(Below Serial No. 45289 - See Note)

**NOTE:** Repair parts only are available for this PTO shaft. The complete PTO shaft (131 6602) is replaced with PTO shaft with plastic guards (131 6616) shown on page 35.

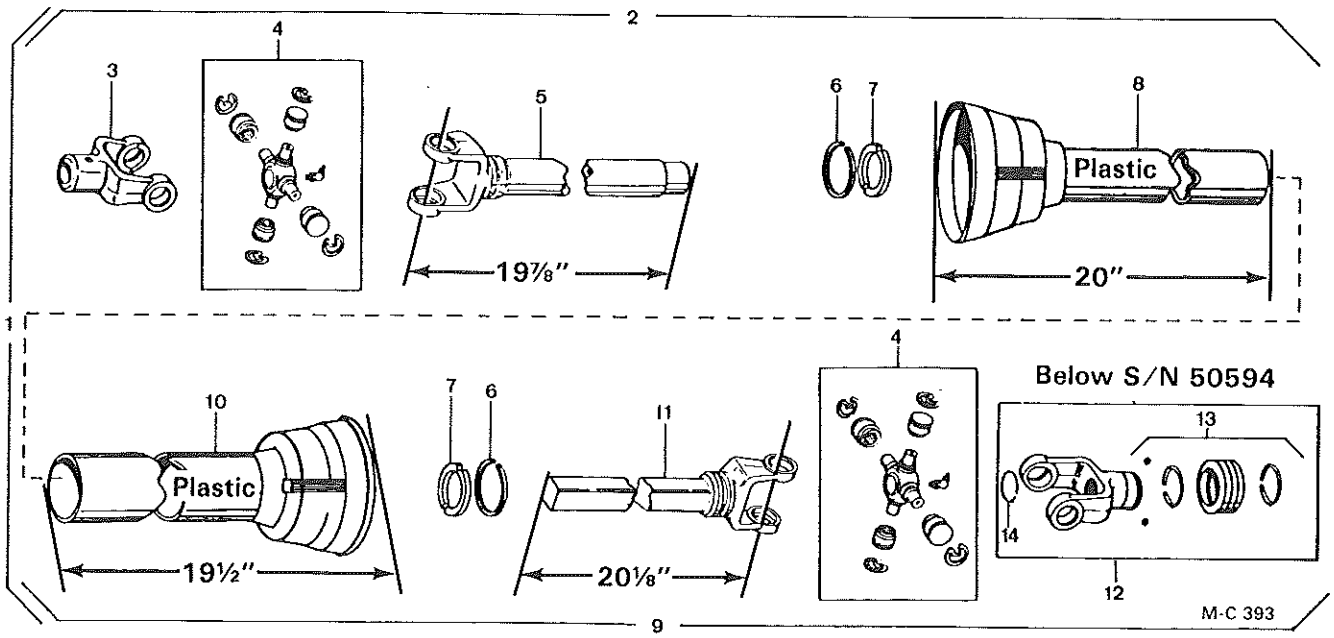



| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 131 6602 | 1 | PTO Shaft Complete (w/Metal Guards) |
| 2 | 132 6600 | 1 | PTO Shaft - Tractor Half (w/Metal Guard) |
| 3 | 132 6601 | 1 | U-Joint & Shaft Ass'y. |
| 4 | 132 6602 | 1 | Yoke & Shaft |
| 5 | 002 6676 | 2 | Universal Joint Repair Kit |
| 6 | 002 7658 | 1 | Q.D. Yoke Ass'y. 1⅜"-6B Spline |
| 7 | 002 6613 | 1 | Nylon Centralizer |
| 8 | 002 6629 | 1 | Saf-T-Pin & Spring Kit |
| 9 | 132 6603 | 1 | Female Guard (Metal) |
| 10 | 002 8250 | 2 | Nylon Bearing Retainer |
| 11 | 002 6004 | 2 | Nylon Bearing |
| 12 | 132 6604 | 1 | PTO Shaft - Machine Half (w/Metal Guard) |
| 13 | 132 6605 | 1 | U-Joint & Tube Ass'y. |
| 14 | 132 6606 | 1 | Yoke & Tube |
| 15 | 132 6607 | 1 | Male Guard (Metal) |
| 16 | 132 6608 | 1 | Yoke (1¼" I.D.) |
| — | 001 8317 | 1 | Danger-Rotating Drive Line Decal |

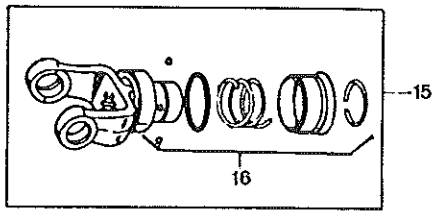
# Power Take-Off Shaft (w/Plastic Guards)

(Starting w/Serial No. 45289 - See Note)

**NOTE:** Model LG72B - S/N 45379 thru 45388 and Model L72B - S/N 45519 thru 45553 are equipped with a Power Take-Off Shaft with metal guards (Part No. 131 6602) shown on page 34.



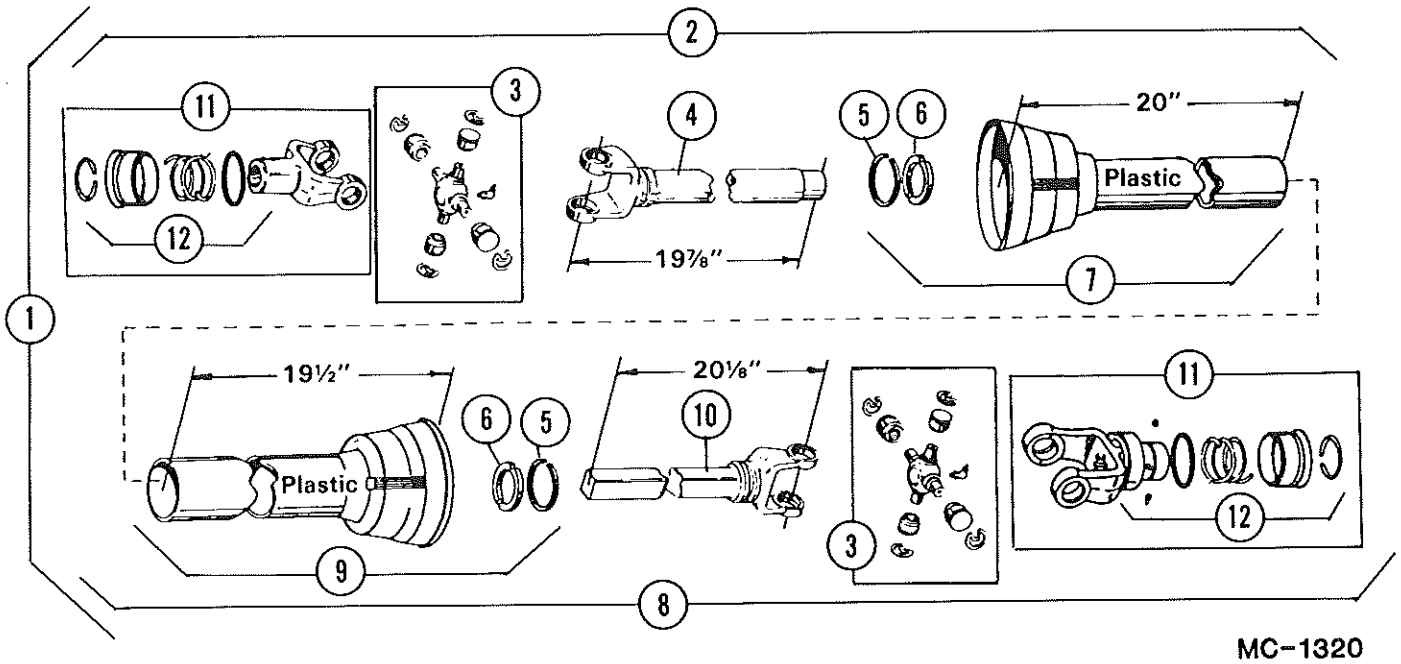

Above S/N 50593




| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 131 6616 | 1 | PTO Shaft Complete (w/Plastic Guards) |
| 2 | 132 6670 | 1 | PTO Shaft - Machine Half (w/Plastic Guard) |
| 3 | 132 6608 | 1 | Yoke (1¼" I.D.) |
| 4 | 002 6676 | 2 | Universal Joint Repair Kit |
| 5 | 132 6606 | 1 | Yoke & Tube |
| 6 | 002 8250 | 2 | Nylon Bearing Retainer |
| 7 | 002 6004 | 2 | Nylon Bearing |
| 8 | 132 6671 | 1 | Male Guard - Plastic |
| 9 | 132 6672 | 1 | PTO Shaft - Tractor Half (w/Plastic Guard) |
| 10 | 132 6673 | 1 | Female Guard - Plastic |
| 11 | 132 6602 | 1 | Yoke and Shaft |
| 12 | 132 6674 | 1 | Quik-Lok Yoke Ass'y. (1⅜"-6B Spline) Below S/N 50594 |
| 13 | 132 6675 | 1 | Quik-Lok Repair Kit |
| 14 | 132 6680 | 1 | Internal Snap Ring |
| 15 | 132 6681 | 1 | Spring-Lok Yoke Ass'y. (1⅜"-6B Spline) Above S/N 50593 |
| 16 | 002 9003 | 1 | 1 Spring-Lok Repair Kit |
| — | 001 8317 | 1 | Danger-Rotating Drive Line Decal |

# Power Take-Off Shaft 101 6611

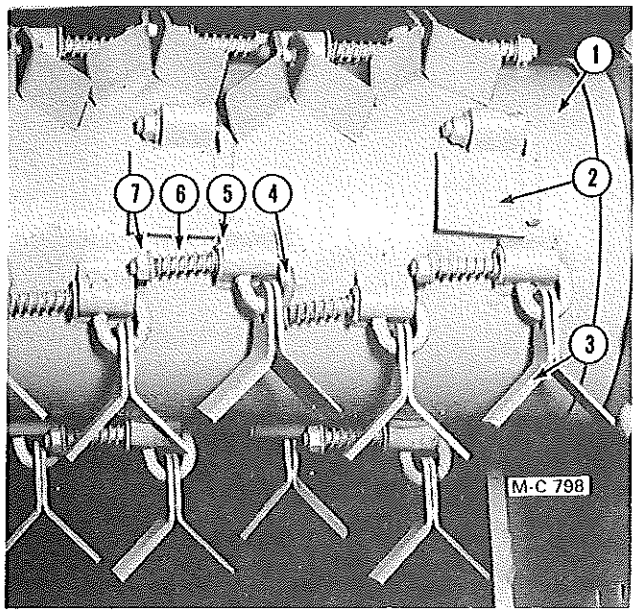
**(Starting with Serial No. 53094)**



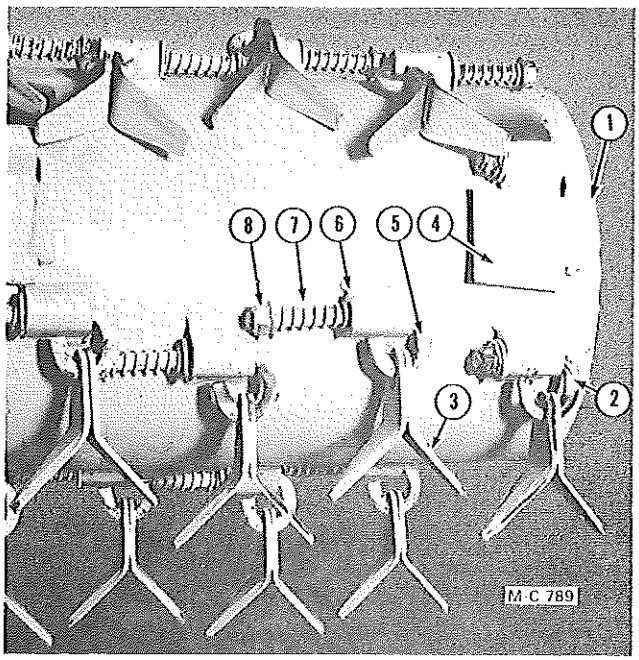

MC-1320

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 101 6611 | 1 | PTO Shaft Complete (w/Plastic Guards) |
| 2 | 102 6641 | 1 | PTO Shaft - Machine Half (w/Plastic Guard) |
| 3 | 002 6676 | 2 | Universal Joint Repair Kit |
| 4 | 132 6606 | 1 | Yoke and Tube |
| 5 | 002 8250 | 2 | Nylon Bearing Retainer |
| 6 | 002 6004 | 2 | Nylon Bearing |
| 7 | 132 6671 | 1 | Male Guard - Plastic (Incl. 1 of ref. 5 & 6) |
| 8 | 132 6672 | 1 | PTO Shaft - Tractor Half (w/Plastic Guard) |
| 9 | 132 6673 | 1 | Female Guard - Plastic (Incl. 1 of ref. 5 & 6) |
| 10 | 132 6602 | 1 | Yoke and Shaft |
| 11 | 132 6681 | 2 | Spring-Lok Yoke Ass'y (1⅜"-6B Spline) |
| 12 | 002 9003 | 2 | Spring-Lok Repair Kit |
| — | 001 8317 | 1 | Danger - Rotating Drive Line Decal |

# Rotor




Above S/N 47348




Below S/N 47349

**Complete Assembly**
**LG60B - 131 1090**
**LG72B - 131 1091**

(Complete assemblies consist of ref. 1 thru 7)

NOTE: Knife Kits are shown on page 38

| Ref. | Part No. | Quantity LG 60B | Quantity LG 72B | Description |
|---|---|---|---|---|
| 1 | 131 0139 | 1 | 0 | Balanced Rotor Weldment |
| 1 | 131 0140 | 0 | 1 | Balanced Rotor Weldment |
| 2 | 131 0017 | 16 | 20 | Vacuum Paddle |
| 3 | 131 4465 | 140 | 172 | Knife-Square End |
| 4 | 131 8709 | 68 | 84 | Knife Hanger - Spring Loaded |
| | 101 8701 | 2 | 2 | Knife Hanger - Short (not shown) |
| 5 | 000 8173 | 68 | 84 | 5/16" Flatwasher |
| 6 | 131 8708 | 68 | 84 | Spring |
| 7 | 000 8205 | 86 | 106 | 3/8-16 Top Lock Flange Nut |

**Complete Assembly**
**L & LG60B - 131 1090**
**L & LG72B - 131 1091**

(Complete assemblies consist of ref. 1 thru 8)

NOTE: Knife Kits are shown on page 38

| Ref. | Part No. | Quantity L&LG 60B | Quantity L&LG 72B | Description |
|---|---|---|---|---|
| 1 | 131 0139 | 1 | 0 | Balanced Rotor Weldment |
| 1 | 131 0140 | 0 | 1 | Balanced Rotor Weldment |
| 2 | 101 8701 | 2 | 2 | Knife Hanger-Short |
| 3 | 131 4465 | 140 | 172 | Knife-Square End (see note) |
| 4 | 131 0017 | 16 | 20 | Vacuum Paddle |
| 5 | 131 8709 | 68 | 84 | Knife Hanger-Spring Loaded |
| 6 | 000 8173 | 68 | 84 | 5/16" Flatwasher |
| 7 | 131 8708 | 68 | 84 | Spring |
| 8 | 000 8205 | 86 | 106 | 3/8-16 Top Lock Flange Nut |

**NOTE:** The tapered end knives (shown in the illustration) are no longer available. They have been replaced with square end knives 131 4465. When installing replacement square end knives on rotors with tapered end knives, they **MUST BE** installed in pairs 180 degrees apart to maintain rotor balance.

## Knife Kits

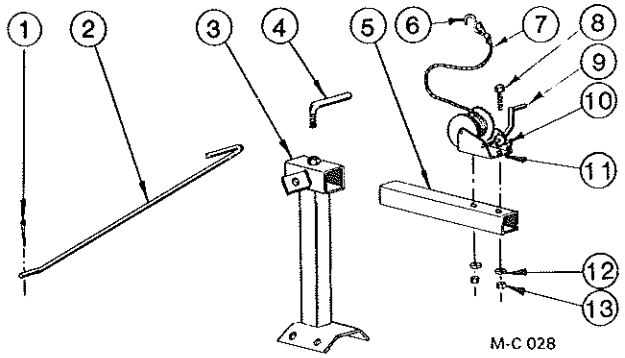
(Kits contain square end knife 131 4465 in quantities shown)

| Model | Kit No. | Knives Per Kit |
|---|---|---|
| L&LG60B | 132 9005 | 140 |
| L&LG72B | 132 9006 | 172 |

## Winch

**133 1050** Complete Winch Assembly. Includes ref. 3 thru 13.

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 000 8249 | 1 | ⅛ x ¾" Cotter Pin |
| 2 | 133 5734 | 1 | Damper Control Rod |
| 3 | 133 0029 | 1 | Winch Tower |
| 4 | 001 8162 | 1 | ½" x 6" Clamping Bolt |
| 5 | 133 5612 | 1 | Winch Mount Tube |
| 6 | 131 8259 | 1 | "S" Hook Only (Before S/N 53014) |
| 7 | 133 1015 | 1 | Cable & "S" Hook Ass'y. |
| | 131 8703 | 1 | Cable Assembly (Will replace #7) |
| 8 | 000 8129 | 2 | ⅜-16 x 2¼" Capscrew - Grd. 5 |
| 9 | 132 8700 | 1 | Winch Handle |
| 10 | 132 8250 | 1 | Spring |
| 11 | 131 8700 | 1 | Winch |
| 12 | 001 8139 | 2 | ⅜" Lockwasher |
| 13 | 000 8162 | 2 | ⅜-16 Hex Nut |

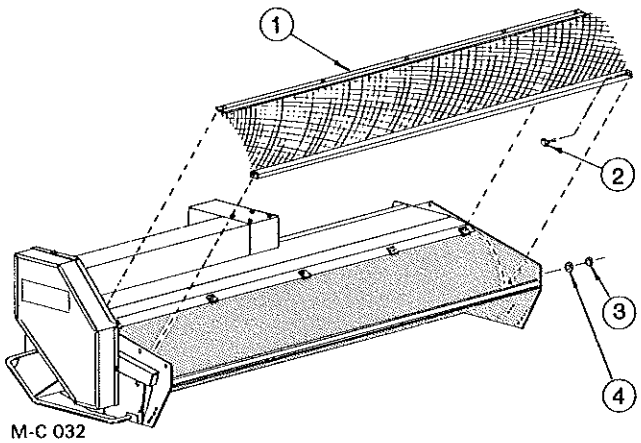



## Leaf Mulching Screen (Optional)

**Leaf Mulching Screen Kits** (Include Ref. 1 thru 4)

**133 9020 for L & LG60B**
**133 9002 for L & LG72B**

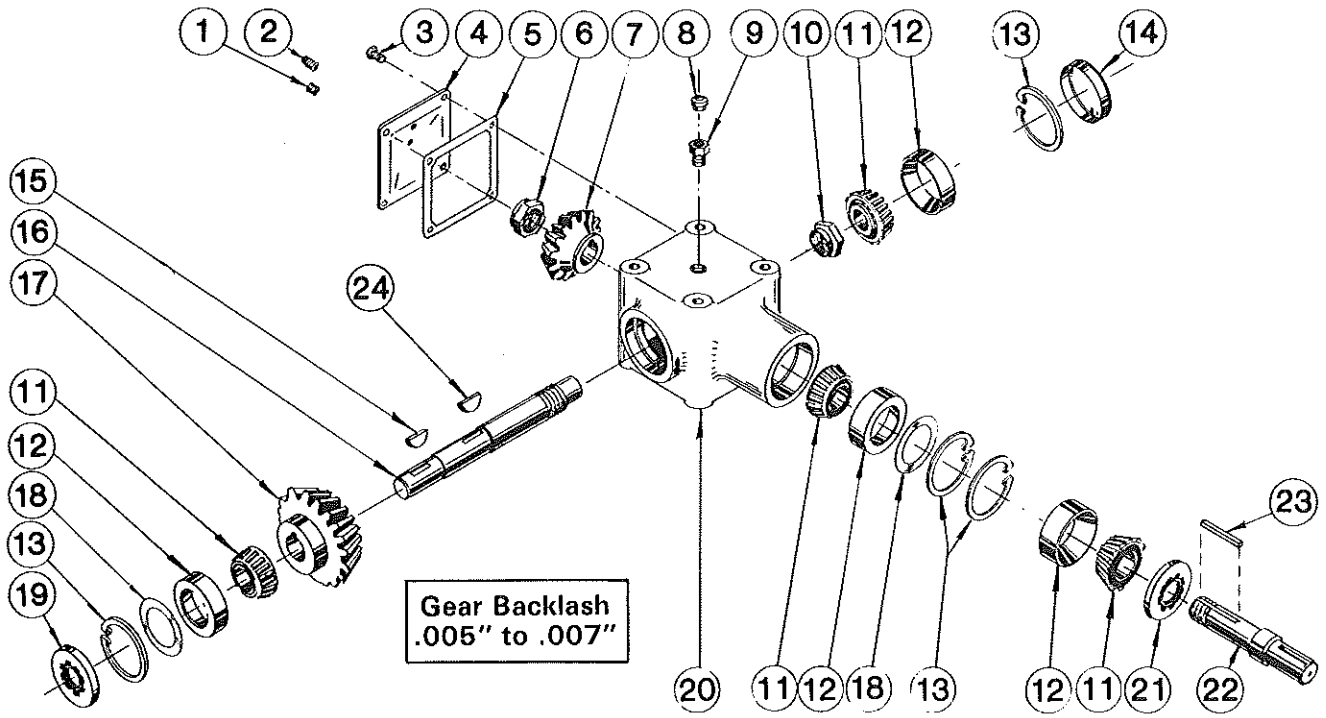
| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 133 0037 | 1 | **L & LG60B** Leaf Mulching Screen |
| | 133 0006 | 1 | **L & LG72B** Leaf Mulching Screen |
| 2 | 000 8119 | 2 | ⅜-16 x ¾" Capscrew |
| 3 | 000 8162 | 2 | ⅜-16 Hex Nut |
| 4 | 000 8179 | 2 | ⅜ Lockwasher |



# Gear Box

(Complete Assembly - 131 6608)

Before S/N 53094



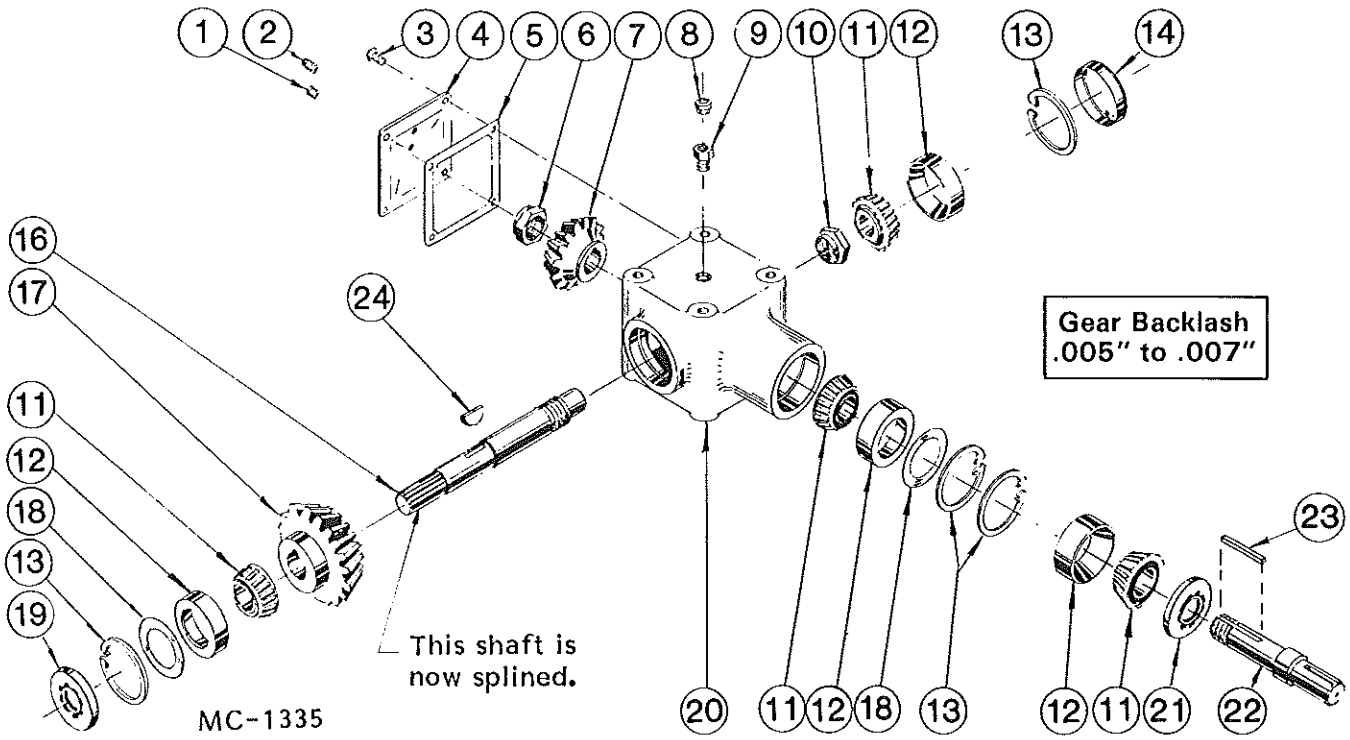

M-C 010

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | - - - - - - - | 1 | ⅛" NPT Plug |
| 2 | 002 7500 | 1 | Level Plug |
| 3 | 102 6640 | 4 | 5/16-18 x ⅝" Capscrew |
| 4 | 002 6673 | 1 | Gear Box Cover |
| 5 | 002 6600 | 1 | Gear Box Cover Gasket |
| 6 | 002 8260 | 1 | Output Stake Nut |
| 7 | 002 6501 | 1 | 16T Output Bevel Gear |
| 8 | 002 6677 | 1 | Gear Box Vent |
| 9 | 002 6678 | 1 | ⅜" to ⅛" Reducing Bushing |
| 10 | 002 8259 | 1 | Input Stake Nut |
| 11 | 002 6012 | 4 | Bearing Cone |
| 12 | 002 6013 | 4 | Bearing Cup |
| 13 | 002 8258 | 4 | Snap Ring |

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 14 | 002 8601 | 1 | Gear Box Cap Seal |
| 15 | - - - 7626 | 1 | ⅜" x 1¼" Woodruff Key |
| 16 | 002 6671 | 1 | Input Shaft |
| 17 | 002 6502 | 1 | 24T Input Bevel Gear |
| 18 | 002 6679 | AR | Shim .005" |
| | 002 6692 | AR | Shim .007" |
| | 002 6681 | AR | Shim .020" |
| 19 | 002 8602 | 1 | Grease Seal Input Shaft |
| 20 | 002 7659 | 1 | Gear Box Housing |
| 21 | 002 6667 | 1 | Grease Seal - Output Shaft |
| 22 | 002 6685 | 1 | Output Shaft |
| 23 | 001 5130 | 1 | ⅜" x ⅜" x 1" Key |
| 24 | 001 8998 | 1 | ⅜"x1¼" Hard Woodruff Key |
| — | 000 8991 | — | Pint of Mobilfluid 423 Lubricant |

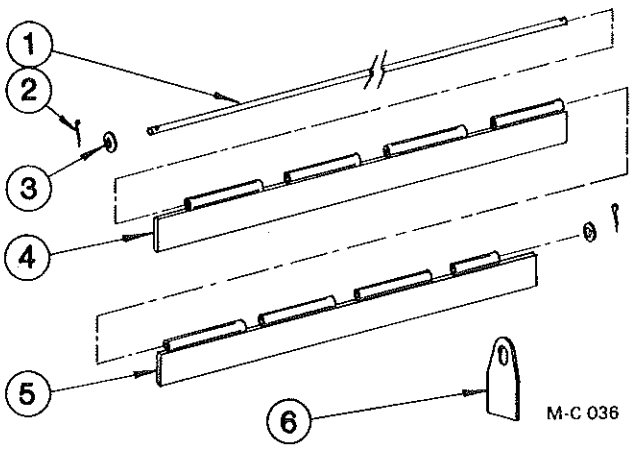
# Gearbox

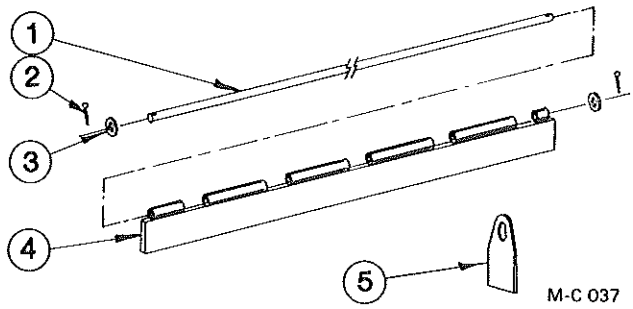
**(Complete Assembly – 131 6619)**
**(Starting with Serial No. 53094)**




| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | --- ----- | 1 | 1/8" NPT Plug |
| 2 | 002 7500 | 1 | Level Plug |
| 3 | 102 6640 | 4 | 5/16-18 x 5/8" Capscrew |
| 4 | 002 6673 | 1 | Gearbox Cover |
| 5 | 002 6600 | 1 | Gearbox Cover Gasket |
| 6 | 002 8260 | 1 | Output Stake Nut |
| 7 | 002 6501 | 1 | 16T Output Bevel Gear |
| 8 | 002 6677 | 1 | Gearbox Vent |
| 9 | 002 6678 | 1 | 3/8" to 1/8" Reducing Bushing |
| 10 | 002 8259 | 1 | Input Stake Nut |
| 11 | 002 6012 | 4 | Bearing Cone |
| 12 | 002 6013 | 4 | Bearing Cup |
| 13 | 002 8258 | 4 | Snap Ring |
| 14 | 002 8601 | 1 | Gearbox Cap Seal |
| 16 | 002 6708 | 1 | Input Shaft |
| 17 | 002 6502 | 1 | 24T Input Bevel Gear |
| 18 | 002 6679 | AR | Shim .005" |
| | 002 6692 | AR | Shim .007" |
| | 002 6681 | AR | Shim .020" |
| 19 | 002 8602 | 1 | Grease Seal Input Shaft |
| 20 | 002 7659 | 1 | Gearbox Housing |
| 21 | 002 6667 | 1 | Grease Seal – Output Shaft |
| 22 | 002 6685 | 1 | Output Shaft |
| 23 | 001 5130 | 1 | 3/8" x 3/8" x 1" Key |
| 24 | 001 8998 | 1 | 3/8" x 1¼" Hard Woodruff Key |
| -- | 000 8991 | - | Pint of Mobilfluid 423 Lubricant |

# Thatching Blade and Wide Vacuum Paddle Kits (Optional)




## Model L & LG60B

### 133 9018 - Thatching Blade & Wide Vacuum Paddle Kit

Consists of one of each of the following:
133 9031 Wide Vacuum Paddle Kit
133 9035 Thatching Blade Kit

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 133 5738 | 2 | Pivot Rod (57½") |
| 2 | 000 8199 | 4 | ⅛" x 1" Cotter Pin |
| 3 | 001 8134 | 4 | ⅜" SAE Flatwasher |
| 4 | 133 0056 | 2 | Vacuum Paddle (30¾") |
| 5 | 133 0057 | 2 | Vacuum Paddle (27½") |
| 6 | 133 4468 | 70 | Thatching Blade (Square end) |

### 133 9035 - Thatching Blade Kit

Consists of 70 of 133 4468
Thatching Blade (Square end)

### 133 9031 - Wide Vacuum Paddle Kit

Consists of the following:
2 of 133 0056 Vacuum Paddle (30¾")
2 of 133 0057 Vacuum Paddle (27½")
2 of 133 5738 Pivot Rod (57½")
4 of 001 8134 ⅜" SAE Flatwasher
4 of 000 8199 ⅛" x 1" Cotter Pin

## Model L & LG72B

### 133 9019 - Thatching Blade & Wide Vacuum Paddle Kit

Consists of one each of the following:
133 9032 Wide Vacuum Paddle Kit
133 9037 Thatching Blade Kit

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 133 5737 | 4 | Pivot Rod (34-7/16") |
| 2 | 000 8199 | 8 | ⅛" x 1" Cotter Pin |
| 3 | 001 8134 | 8 | ⅜" SAE Flatwasher |
| 4 | 133 0058 | 4 | Vacuum Paddle (34¾") |
| 5 | 133 4468 | 86 | Thatching Blade (Square end) |

### 133 9037 - Thatching Blade Kit

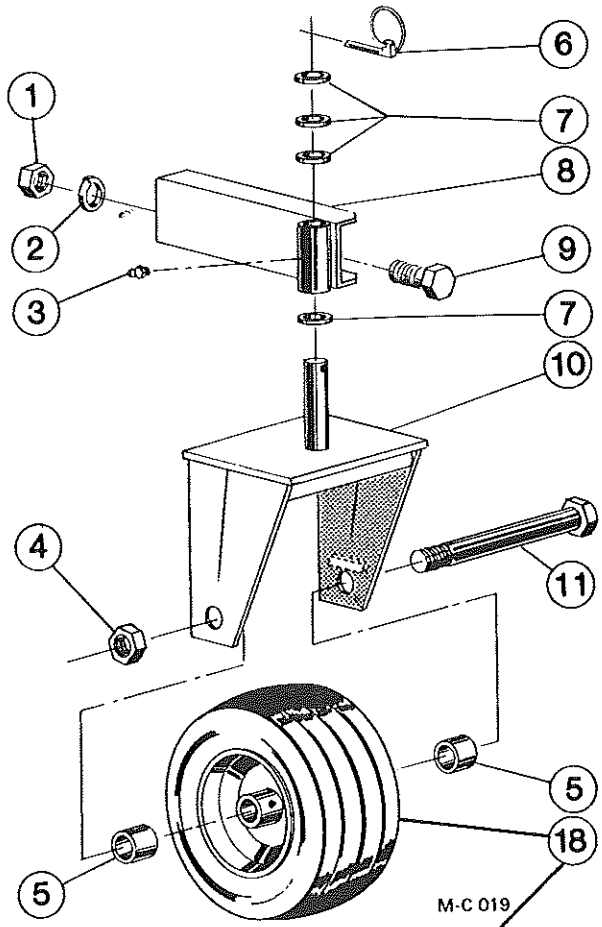
Consists of 86 of 133 4468
Thatching Blade (Square end)

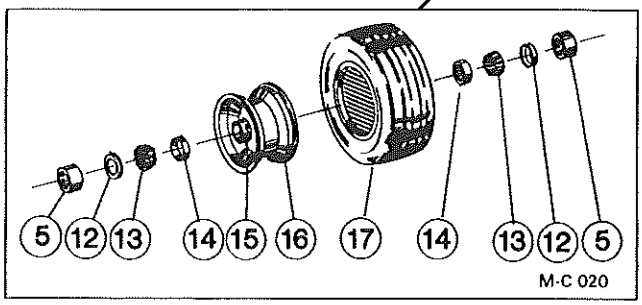
### 133 9032 - Wide Vacuum Paddle Kit

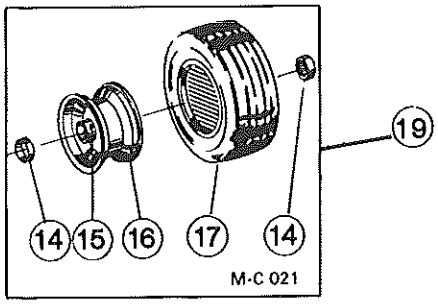
Consists of the following:
4 of 133 0058 Vacuum Paddle (34¾")
4 of 133 5737 Pivot Rod (34-7/16")
8 of 001 8134 ⅜" SAE Flatwasher
8 of 000 8199 ⅛" x 1" Cotter Pin

# Pneumatic Caster Wheels

**(Optional on Model L60B and L72B)**



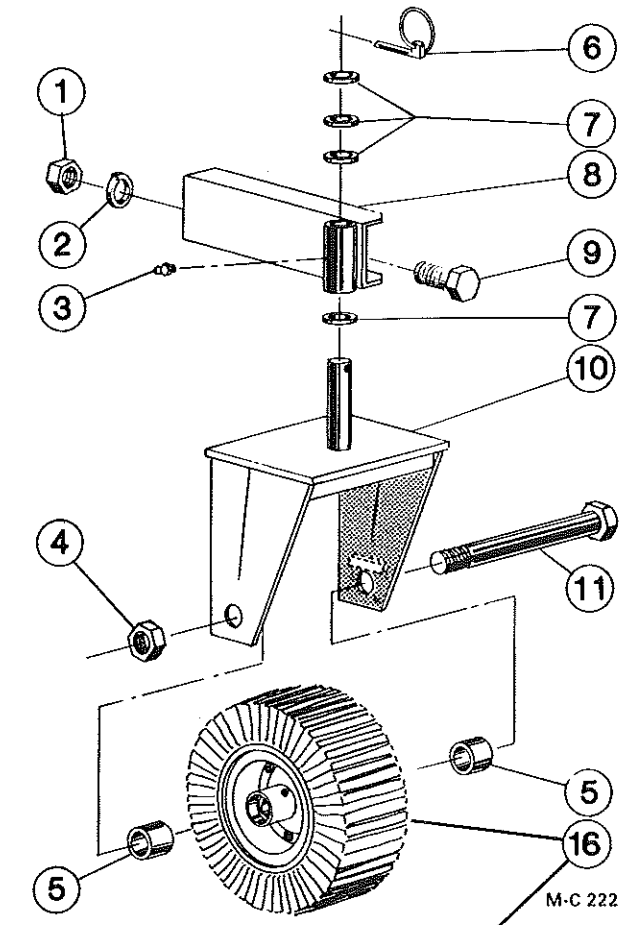



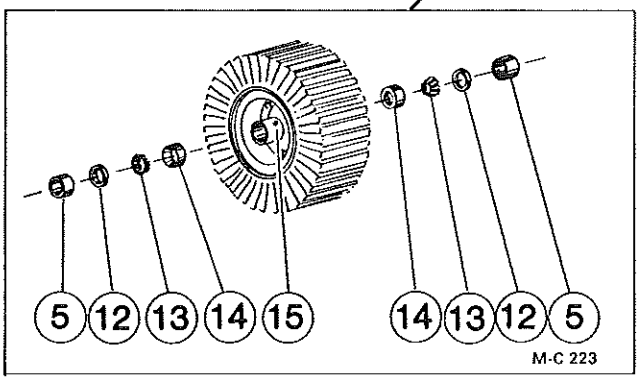




**133 9001 - Pneumatic Caster Wheel Kit**
This kit consists of two of ref. 1, 2, 3, 6 thru 10 and 18 to make up a set of two caster wheels.

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 000 8163 | 2 | ½-13 Hex Nut |
| 2 | 000 8180 | 2 | ½" Lockwasher |
| 3 | 132 8990 | 1 | Straight Drive-In Zerk |
| 4 | 132 8994 | 1 | ¾-16 Locknut |
| 5 | 133 8986 | 2 | Wheel Spacer 17/32" Long - Used with 6½" Axle |
| | 133 8984 | 2 | Wheel Spacer ⅝" Long - Used with 7" Axle |
| 6 | 000 8995 | 1 | Klick Pin 5/16" Dia. x 2-11/32" Long |
| 7 | 133 7852 | 4 | Caster Spacer 1-7/16" ID x 2" OD, ¼" Thick |
| 8 | 133 1058 | 1 | Caster Bracket (L.H. & R.H.) w/ref. 3 |
| 9 | 133 8161 | 2 | ½-13 x 1½" Capscrew - Grd. 5 |
| 10 | 133 0032 | 1 | Caster Yoke |
| 11 | 001 8203 | 1 | Axle ¾-16 x 7" Capscrew - Grd. 5 |
| 12 | 132 6004 | 2 | Seal |
| 13 | 001 6000 | 2 | Bearing Cone ¾" ID |
| 14 | 002 6000 | 2 | Bearing Cup |
| 15 | 000 8996 | 1 | Straight Zerk ¼-28NF |
| 16 | 132 8966 | 1 | Wheel w/Zerk (ref. 15) & Two Bearing Cups (ref. 14) |
| 17 | 132 8998 | 1 | Tire 13 x 5.00 - 6, 4 Ply |
| 18 | 132 1001 | 1 | Wheel w/Zerk (ref. 15) & Two Bearing Cups (ref. 14), Two Bearing Cones (ref. 13), Two Seals (ref. 12) Two ⅝" Spacers (ref. 5), Axle (ref. 11), Locknut (ref. 4) & Tire (ref. 17) |
| 19 | 132 8965 | 1 | Wheel w/Zerk (ref. 15), Two Bearing Cups (ref. 14), & Tire (ref. 17) |
| — | 133 9077 | 1 | Caster Wheel/Yoke Ass'y. Incl. one each of ref. 6, 10 & 18 and four of ref. 7. |

# Segmented Caster Wheels (Optional)



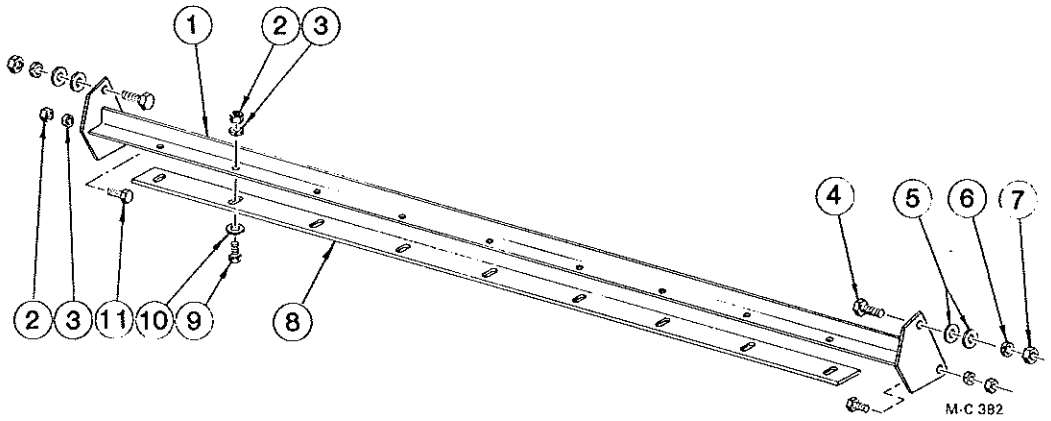




**133 9075 - Segmented Caster Wheel Kit**
This kit consists of two of ref. 1, 2, 3, 6 thru 10 and 16 to make up a set of two caster wheels.

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 000 8163 | 2 | ½-13 Hex Nut |
| 2 | 000 8180 | 2 | ½" Lockwasher |
| 3 | 132 8990 | 1 | Straight Drive-In Zerk |
| 4 | 132 8994 | 1 | ¾-16 Locknut |
| 5 | 133 8986 | 2 | Wheel Spacer 17/32" Long - Used with 6½" Axle |
| | 133 8984 | 2 | Wheel Spacer 5/8" Long - Used with 7" Axle |
| 6 | 000 8995 | 1 | Klick Pin 5/16" Dia. x 2-11/32" Long |
| 7 | 133 7852 | 4 | Caster Spacer 1-7/16" ID x 2" OD, ¼" Thick |
| 8 | 133 1058 | 1 | Caster Bracket (L.H. & R.H.) w/Ref. 3 |
| 9 | 133 8161 | 2 | ½-13 x 1½" Capscrew - Grd. 5 |
| 10 | 133 0032 | 1 | Caster Yoke |
| 11 | 001 8203 | 2 | Axle ¾-16 x 7" Capscrew - Grd. 5 |
| 12 | 132 6004 | 2 | Seal |
| 13 | 001 6000 | 2 | Bearing Cone ¾" ID |
| 14 | 002 6000 | 2 | Bearing Cup |
| 15 | 000 8996 | 1 | Straight Zerk ¼-28NF |
| 16 | 133 1063 | 1 | Wheel and Segmented Tire w/Zerk (ref. 15), Two Bearing Cups (ref. 14), Two Bearing Cones (ref. 13), Two Seals (ref. 12), Axle (ref. 11), Locknut (ref. 4), & Two ⅝" Spacers (ref. 5) |

## Gauge Roller Scraper Kit (Optional)

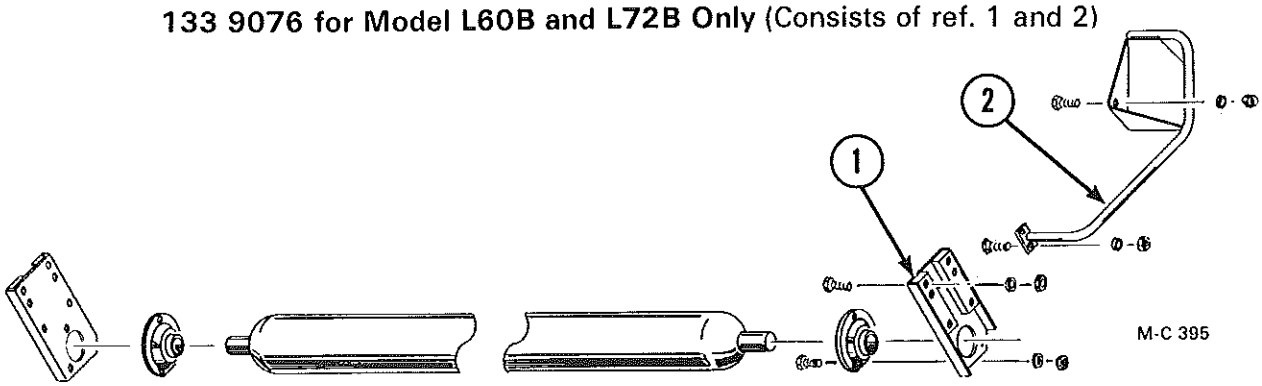
**133 9090 - Model L & LG60B**
**133 9091 - Model L & LG72B**
Kits consist of ref. 1 thru 11




| Ref. | Part No. | Quantity L&LG 60B | Quantity L&LG 72B | Description |
|---|---|---|---|---|
| 1 | 133 0067 | 1 | — | Scraper Angle |
| | 133 0068 | — | 1 | Scraper Angle |
| 2 | 000 8162 | 11 | 13 | ⅜-16 Hex Nut |
| 3 | 001 8139 | 11 | 13 | ⅜" Lockwasher |
| 4 | 041 8166 | 2 | 2 | ½-13 x 2¼" Full Thread Capscrew - Grd. 5 |
| 5 | 000 8175 | 4 | 4 | ½" Flatwasher |
| 6 | 000 8180 | 2 | 2 | ½" Lockwasher |
| 7 | 000 8163 | 2 | 2 | ½-13 Hex-Nut |
| 8 | 133 3428 | 1 | — | Scraper Bar |
| | 133 3429 | — | 1 | Scraper Bar |
| 9 | 000 8121 | 9 | 11 | ⅜-16 x 1" Capscrew |
| 10 | 000 8174 | 9 | 11 | ⅜" Flatwasher |
| 11 | 001 8144 | 2 | 2 | ⅜-16 x 1¼" Capscrew - Grd. 5 |

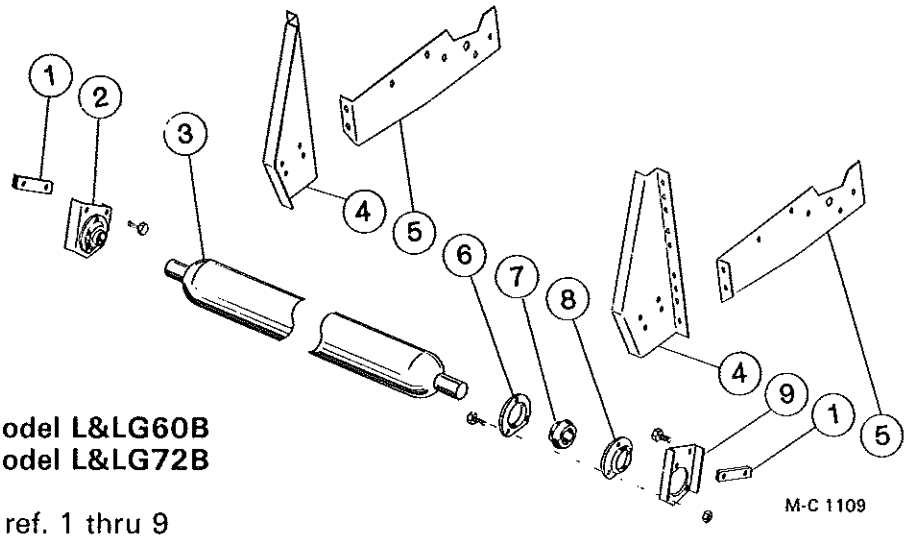
## High Cut Gauge Roller Kit (Optional)

**133 9076 for Model L60B and L72B Only** (Consists of ref. 1 and 2)




| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 133 0059 | 1 | Left High Roller Bracket |
| | 133 0060 | 1 | Right High Roller Bracket |
| | 000 8278 | 4 | ½-13 x 1¾" Capscrew - Grd. 5 |
| | 000 8180 | 4 | ½" Lockwasher |
| | 000 8163 | 4 | ½-13 Hex Nut |
| 2 | 133 0061 | 1 | Right High Cut Rub Rail |
| | 133 0062 | 1 | Left High Cut Rub Rail |
| | 001 8144 | 4 | ⅜-16 x 1¼" Capscrew - Grd. 5 |
| | 001 8134 | 4 | ⅜" SAE Flatwasher |
| | 000 8179 | 4 | ⅜" Lockwasher |
| | 000 8162 | 4 | ⅜-16 Hex Nut |

## Front Gauge Roller Kit (Optional)




**133 9095 - Model L&LG60B**
**133 9096 - Model L&LG72B**

Kits Consist of ref. 1 thru 9

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 131 3640 | 2 | Spacer |
| 2 | 131 1102 | 1 | Gauge Roller Brg. Assy. - Right (Incl. one ea. of ref. 6 thru 9) |
| | 131 1101 | 1 | Gauge Roller Brg. Assy. - Left (Incl. one ea. of ref. 6 thru 9) |
| | 000 8278 | 4 | ½-13x1¾" Capscrew-Grd. 5 |
| | 000 8180 | 4 | ½" Lockwasher |
| | 000 8163 | 4 | ½-13 Hex-Nut |
| 3 | 131 0143 | 1 | **L&LG60B** Gauge Roller |
| | 131 0142 | 1 | **L&LG72B** Gauge Roller |
| 4 | 133 3430 | 1 | Carrier Brkt.-Right |
| | 133 3431 | 1 | Carrier Brkt.-Left |
| | 133 8161 | 4 | ½-13x1½" Capscrew-Grd. 5 |
| | 000 8180 | 4 | ½" Lockwasher |
| | 000 8163 | 4 | ½-13 Hex-Nut |
| | 000 8121 | 2 | ⅜-16x1" Capscrew |
| | 001 8139 | 2 | ⅜" Lockwasher |
| | 000 8162 | 2 | ⅜-16 Hex-Nut |

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 5 | 133 3432 | 1 | Side Brace - Right |
| | 133 3433 | 1 | Side Brace - Left |
| | 000 8120 | 14 | ⅜-16x1" Truss Hd. Screw |
| | 001 8139 | 14 | ⅜"Lockwasher |
| | 000 8162 | 14 | ⅜-16 Hex-Nut |
| 6 | 131 5799 | 2 | Three Bolt Flange w/Zerk-Right |
| | 131 5797 | 2 | Three Bolt Flange w/Zerk-Left |
| | 000 8122 | 6 | ⅜-16x1" Carriage Bolt-Grd. 5 |
| | 000 8204 | 6 | ⅜-16 Hex-Nut w/NYLOK |
| 7 | 131 6009 | 2 | 1¼" Relube. Brg. w/Collar |
| 8 | 131 5798 | 2 | Three Bolt Flange-w/o Zerk |
| 9 | 131 4238 | 1 | Brg. Brkt.-Right |
| | 131 4237 | 1 | Brg. Brkt.-Left |

## Chute, Hopper and Winch Kits

### 133 9084 for L & LG60B

Consists of one of each of the following:

133 1038 Chute Assembly

133 1073 Hopper Assembly

133 1050 Winch Assembly

### 133 9083 for L & LG72B

Consists of one of each of the following:

133 1040 Chute Assembly

133 1072 Hopper Assembly

133 1050 Winch Assembly

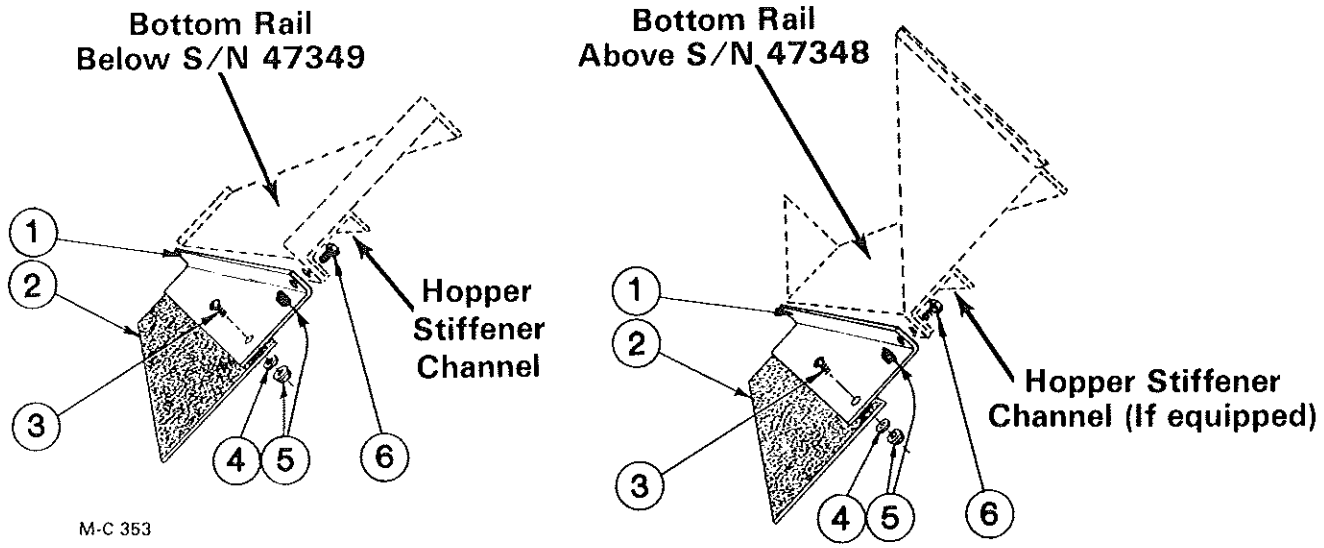
**NOTE: Complete kits or individual chute, hopper or winch assemblies are available. Order as required.**

## Hopper Extension Kit

(Optional below S/N 51399 - Standard above S/N 51398)

**Kit 133 1017 - Model LG60B** (Consists of ref. 1 thru 6)

**Kit 133 9080 - Model LG72B** (Consists of ref. 1 thru 6)




| Ref. | Part No. | LG60B Qty. | LG72B Qty. | Description |
|---|---|---|---|---|
| 1 | 133 2604 | 1 | — | Hopper Extension |
| | 133 4469 | — | 1 | Hopper Extension |
| 2 | 130 8701 | 1 | — | Rubber Flap |
| | 131 8984 | — | 1 | Rubber Flap |
| 3 | 000 8104 | 10 | 13 | 5/16-18 x ¾" Truss Hd. Screw |
| 4 | 000 8173 | 15 | 19 | 5/16" Flatwasher |
| 5 | 000 8169 | 15 | 19 | 5/16-18 Flanged Locknut |
| 6 | 000 8108 | 5 | 6 | 5/16-18 x 1" Capscrew - Grd. 5 |

## Hopper Pivot Kit

**Kit 132 1002** (Consists of all parts listed below)

| Part No. | Qty. | Description |
|---|---|---|
| 133 0052 | 1 | Hopper Pivot - Right |
| 133 0053 | 1 | Hopper Pivot - Left |
| 000 8106 | 6 | 5/16-18 x ¾" Capscrew |
| 000 8222 | 6 | 5/16" Lockwasher |
| 000 8159 | 6 | 5/16-18 Hex Nut |
| 000 8995 | 2 | Klick Pin - 5/16" Dia. |

| Part No. | Qty. | Description |
|---|---|---|
| 133 5605 | 2 | Hopper Pivot Bushing |
| 128 8166 | 2 | ½-13 x 2½" Capscrew - Grd. 5 |
| 000 8175 | 2 | ½" Flatwasher |
| 000 8180 | 2 | ½" Lockwasher |
| 000 8163 | 2 | ½-13 Hex Nut |

## Hopper Hydraulic Dump Kit (Optional)

**133 9081** Hopper Hydraulic Dump Kit (with hyd. cyl. & hoses) Consists of Ref. 1 thru 13

**133 9092** Hopper Hydraulic Dump Kit (less hyd. cyl. & hoses) Consists of Ref. 1 thru 10

# Installation Instructions

**(This kit may be installed on Model LG72 Lawn Genies that are equipped with the hitch bracket shown in Figure 1).**

**NOTE:** If this kit is being installed on a Lawn Genie that is equipped with a winch, remove the winch mount tube, winch and cable. Remove and save the four ½-13 x 1½" capscrews, lockwashers and hex nuts securing the winch tower to the hitch brackets, see Figure 1. Lift the winch tower and slide the damper rod bracket off of the damper rod.

1. Put the damper rod through the damper rod bracket on the ram mount. Bolt the ram mount to the hitch brackets with four ½-13 x 1½" capscrews, lockwashers and hex nuts, see Figure 2 and 3.
2. Install the hydraulic cylinder to the ram mount with a pivot pin and two clip pins as shown in Figure 2 and 3.
3. Attach the ram lever to the hydraulic cylinder and the ram mount with two pivot pins and four clip pins, see Figure 2 and 3.

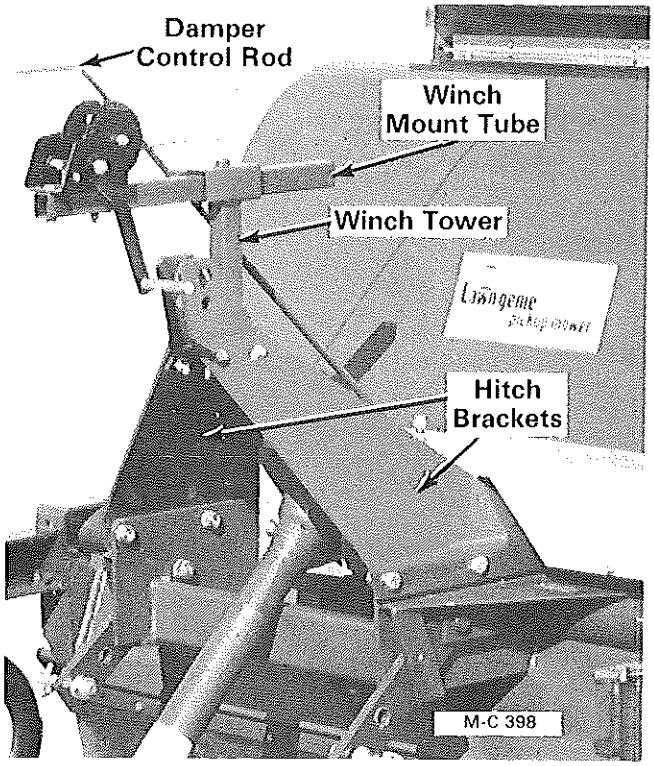



Figure 1

4. Install the 44" hydraulic hose in the rear port of the hydraulic cylinder, see Figure 3, and the 34" hydraulic hose in the front port of the hydraulic cylinder.

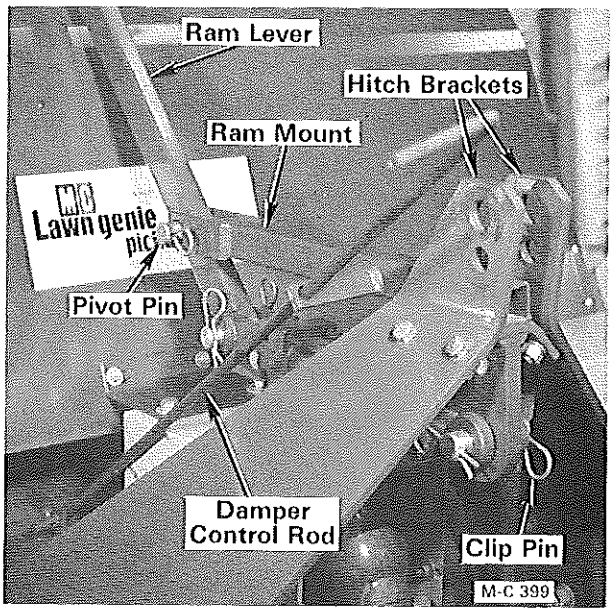



Figure 2

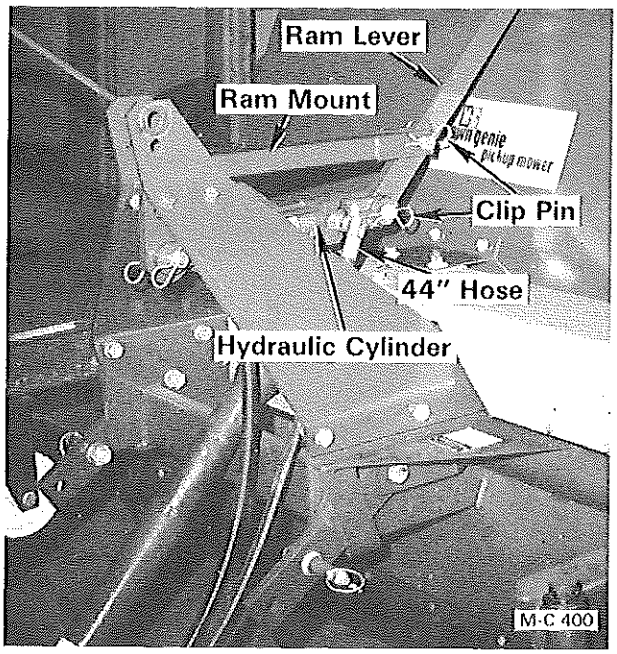



Figure 3

5. The customer must supply the quick couplers to match the connectors used on the tractor. The hydraulic hose end fittings are ⅜" NPT.
6. Attach the "S" hook to the chain and bend it closed. Hook it to the hopper pull straps (Figure 4) or to the hopper pull rail.
7. Attach the pull chain to the ram lever with a 5/16-18 x 1¼" capscrew, two flatwashers, lockwasher and hex nut as shown in Figure 5.

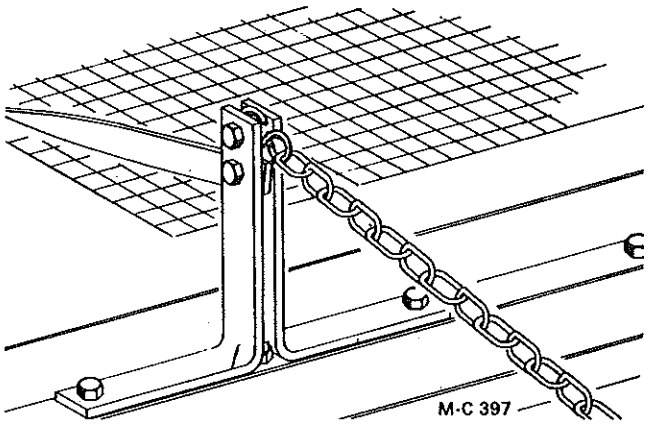
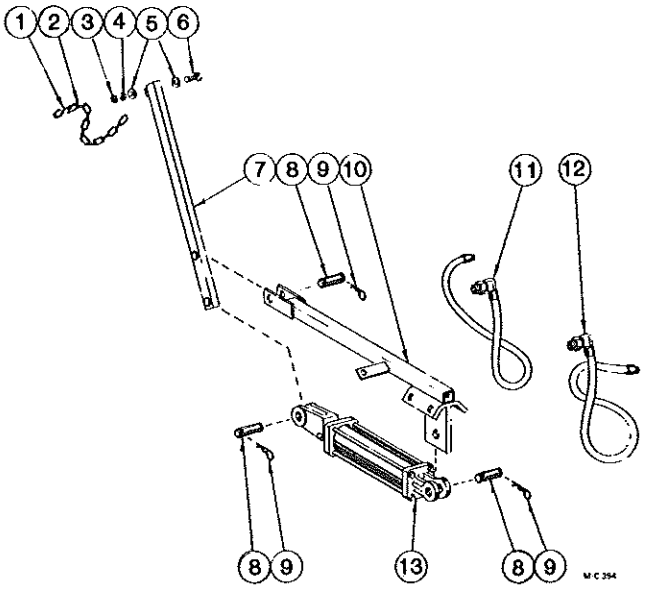



Figure 4



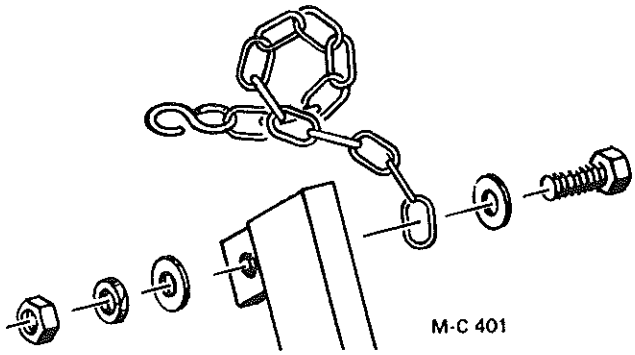




Figure 5

## Hopper Dump Kits

**133 9081 Hopper Dump Kit (with hyd. cyl. & hoses) Consists of Ref. 1 thru 13**
**133 9092 Hopper Dump Kit (less hyd. cyl. & hoses) Consists of Ref. 1 thru 10**

| Ref. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 131 8259 | 1 | "S" Hook 5/16" (7.9mm) (See page 38) |
| 2 | 133 6300 | 1 | Pull Chain |
| 3 | 000 8159 | 1 | 5/16-18 (7.9mm) Hex Nut |
| 4 | 000 8222 | 1 | 5/16" (7.9mm) Lockwasher |
| 5 | 000 8173 | 2 | 5/16" (7.9mm) Flatwasher |
| 6 | 001 8124 | 1 | 5/16-18 x 1¼" (7.9mm x 3.17cm) Hex-Head Capscrew - Grade 5 |
| 7 | 133 0063 | 1 | Ram Lever |
| 8 | 133 8230 | 1 | Pivot Pin - 1" OD x 3⅝" Long (2.54cm x 9.2cm) |
| 9 | 133 8231 | 2 | Clip Pin |
| 10 | 133 0064 | 1 | Ram Mount |
| 11 | 133 8402 | 1 | Hydraulic Hose w/90° EL - ⅜" x 44" (9.5mm x 111.7cm) |
| 12 | 133 8401 | 1 | Hydraulic Hose w/90° EL - ⅜" x 34" (9.5mm x 86.3cm) |
| 13 | 133 7000 | 1 | Hydraulic Cylinder 2" ID x 6" Stroke, 1" Dia. Pins (5.0cm x 15.2cm x 2.54cm) - (incl. 2 of ref. 8 and 4 of ref. 9). **NOTE:** The compressed length of the hydraulic cylinder is 16¼" (41.27cm) center to center of the pins. |