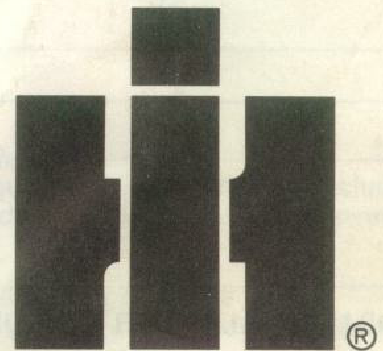


**INTERNATIONAL®**  
**59M**  
**SHREDDER-GRINDER**

**INTERNATIONAL®**

**OPERATOR'S MANUAL**



## To The Owner

Your new International Harvester Shredder-Grinder is designed to meet today's exacting operating requirements. The ease of operation, and ability to adjust to field conditions lighten your work and shorten your hours on the job.

You are urged to consult your International Harvester dealer concerning unusual conditions or special applications. Let the experience of your dealer and the organization associated with him serve you.

Be sure to read the instructions for the care and operation of your Shredder-Grinder in this manual. Check each item referred to and acquaint yourself with the adjustments required to obtain efficient

operation and maximum trouble-free service. Remember, a Shredder-Grinder which is properly lubricated and adjusted saves time, labor, and fuel.

After the operating season, thoroughly clean your Shredder-Grinder and inspect it. Preventive maintenance pays dividends. Your dealer has original-equipment parts which assure proper fit and best performance. He is able to recondition your equipment to a like new condition.

Additional copies of this manual are available including Service Manuals and/or Parts Catalog, listed on the TECHNICAL PUBLICATIONS AVAILABLE page.



MA-10242

**International 59M Shredder-Grinder  
(Mounted on International 169 Cub Cadet Tractor)**

**THIS MANUAL IS FOR SHREDDER-GRINDERS WITH SERIAL NO. 1350003U008001\* AND ABOVE.**

**DELIVERY SERVICE FOR 59M SHREDDER-GRINDER**

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Delivered to \_\_\_\_\_ Dealer \_\_\_\_\_  
R.R. No. \_\_\_\_\_ Box No. \_\_\_\_\_ Town \_\_\_\_\_  
Town \_\_\_\_\_ Serial No. \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_ Engine Serial No. \_\_\_\_\_

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, and safe operation. The warranty policy provisions were also explained and reviewed.

\_\_\_\_\_  
*DEALER'S SIGNATURE*

Above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

\_\_\_\_\_  
*DATE*

\_\_\_\_\_  
*OWNER'S SIGNATURE*

----- FOLD BACK HERE AND ADD CARBON -----

CUT ALONG THIS LINE FIRST

----- FOLD FORWARD HERE AND ADD CARBON -----

**DELIVERY SERVICE FOR 59M SHREDDER-GRINDER**

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Delivered to \_\_\_\_\_ Dealer \_\_\_\_\_  
R.R. No. \_\_\_\_\_ Box No. \_\_\_\_\_ Town \_\_\_\_\_  
Town \_\_\_\_\_ Serial No. \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_ Engine Serial No. \_\_\_\_\_

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\_\_\_\_\_  
*DATE*

\_\_\_\_\_  
*OWNER'S SIGNATURE*

DEALER'S COPY

OWNER'S COPY

DELIVERY SERVICE FOR 59M SHREDDER-GRINDER

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Delivered to \_\_\_\_\_ Dealer \_\_\_\_\_

R.R. No. \_\_\_\_\_ Box No. \_\_\_\_\_ Town \_\_\_\_\_

Town \_\_\_\_\_ Serial No. \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ Engine Serial No. \_\_\_\_\_

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, and safe operation. The warranty policy provisions were also explained and reviewed.

DEALER'S SIGNATURE

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DATE

OWNER'S SIGNATURE

To The Owner

# TECHNICAL PUBLICATIONS AVAILABLE

TO THE OWNER

CONTENTS

SERIAL NUMBER LOCATION

Your International Harvester Dealer and his factory trained servicemen are best qualified to service your equipment. Up-to-date instructions and adequate special tools are also a part of your Dealer's service facilities.

This Operator's Manual was prepared to instruct you in proper operation and maintenance of your equipment. If you desire additional information you may purchase Service Manuals and/or Parts Catalogs. Additional copies of the Operator's Manual are also available.

Fill out the order blank and forward together with your check or money order in the appropriate amount (U.S. Funds) to:

International Harvester Company

PRINTING AND  
DISTRIBUTION SERVICES

807 Blackhawk Drive

Westmont, Illinois 60559

Attention: Cashier

Cut Along This Line

Title	Number	Qty.	Price Each
<b>Operator's Manual</b>			
<b>International 59M Shredder-Grinder</b>			
Serial No. 8001 and above.	1 084 371 R1		1.20
Serial No. 8000 and below.	1 084 226 R1		1.00
<b>Parts Catalog</b>			
International 59M Shredder-Grinder	TC-157		12.00
<b>Service Manual</b>			
Chassis . . . . .	GSS-1443		1.00

Cut Along This Line

TOTAL \_\_\_\_\_

Please Print

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

Date \_\_\_\_\_

Signed \_\_\_\_\_

Do not send cash or stamps

Prices subject to change without notice.

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Stopping the shredder-grinder			
Belt tension and alignment			
Rotor and hammers			
Screen and deflector			
Belt removal and replacement			
Front jackshaft pulley and rotor pulley			
Power take-off and rear jackshaft pulley			

## SERIAL NUMBER LOCATION

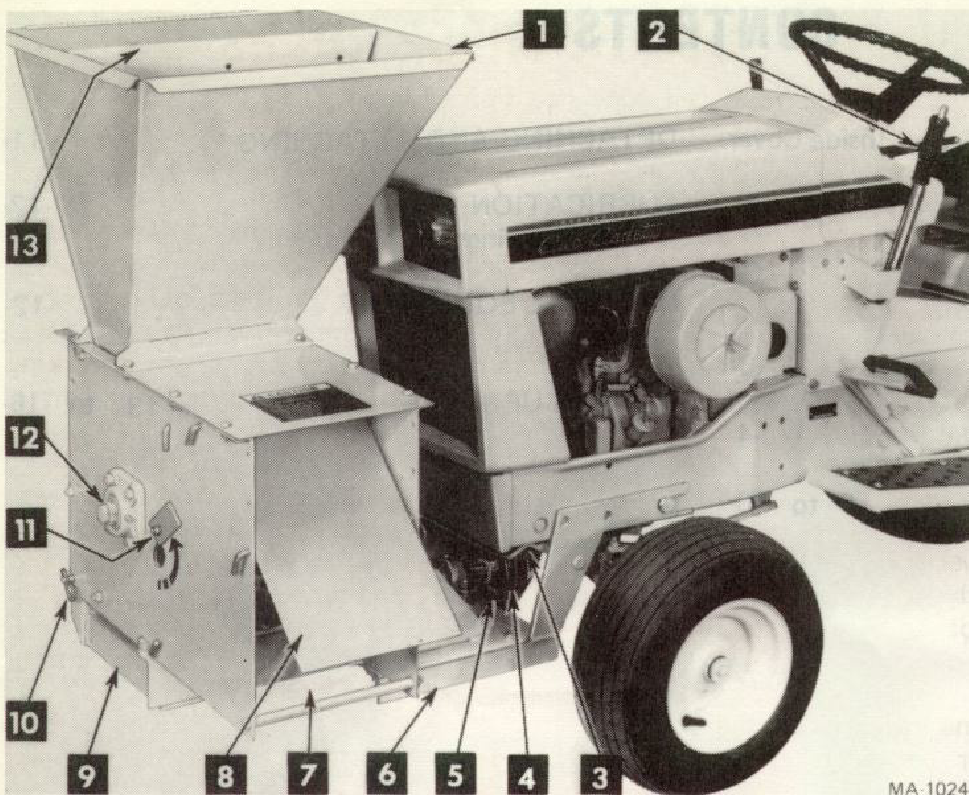
When in need of parts, always specify the Model and Serial numbers to enable your dealer to furnish you with original-equipment parts to keep your Shredder-Grinder "always-ready" for future operation.

The Model and Serial number including prefix or suffix letters is located on the right side of the shredder frame.

Write these numbers down in the space provided:

MODEL NUMBER \_\_\_\_\_

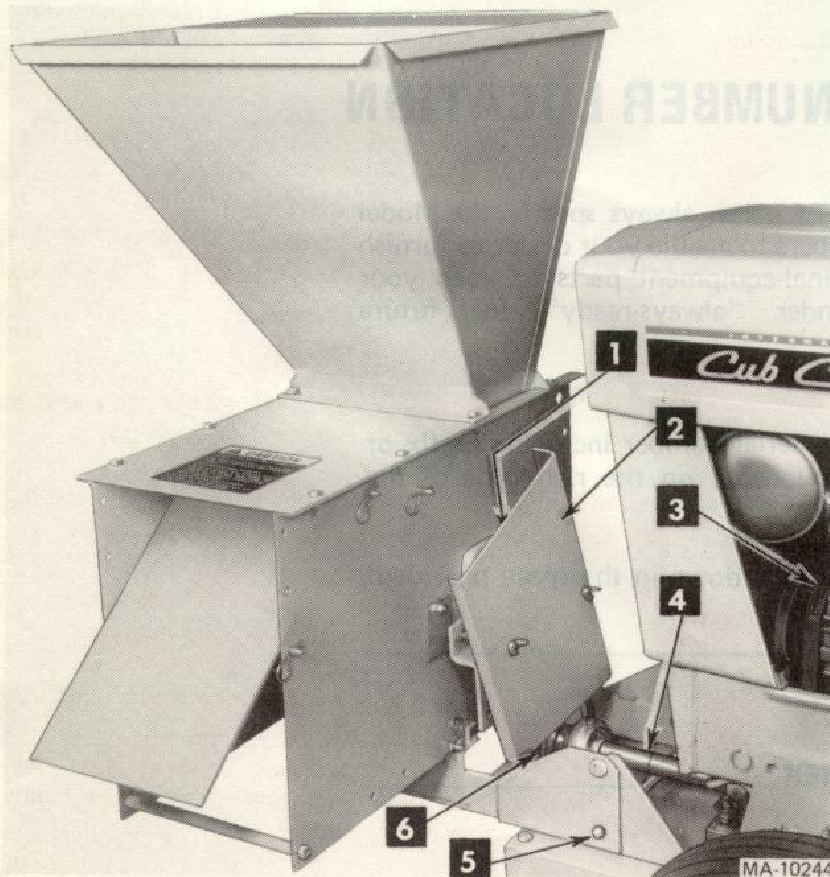
SERIAL NUMBER \_\_\_\_\_



- 1 - Hopper
- 2 - Tractor power take-off lever
- 3 - Tractor quick-hitch assembly
- 4 - Tractor power take-off belt
- 5 - Rear jackshaft
- 6 - Mounting adaptor
- 7 - Discharge chute
- 8 - Deflector
- 9 - Shredder frame
- 10 - Shredder mounting pin
- 11 - Cover plate (access to rotor and hammer rods)
- 12 - Rotor bearing
- 13 - Hopper protective cover

Left side front view.

MA-10243



- 1 - Rotor pulley and drive belt
- 2 - Belt shield
- 3 - Tractor power take-off clutch pulley and drive belt
- 4 - Jackshaft
- 5 - Frame mounting pin
- 6 - Front jackshaft pulley

Left side rear view

MA-10244

# WORK SAFELY – FOLLOW THESE RULES



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

Read the Operator's Manual and thoroughly acquaint yourself with the machine before operating.

Your shredder-grinder has been designed to minimize the possibility of accidents. However, there is no substitute for a careful operator. The suggestions which follow will help you be that kind of operator.

Children should not be allowed to operate the shredder-grinder unless properly supervised, and are physically and mentally capable of safe operation.

Never leave the tractor engine running or the shredder-grinder unattended or permit it to be operated by persons not acquainted with its use and the rules for safe operation.

Before operating the shredder-grinder, check all nuts, bolts, and fasteners for tightness, especially the hammers.

Stop the tractor engine before attempting to clean or work on the shredder-grinder.



**CAUTION! HAMMER KNIFE ROTOR CONTINUES TO ROTATE AFTER ENGINE IS SHUT OFF.** Do not attempt to clear hopper or chute until hammers have stopped.

If the machine starts to vibrate shut off the tractor engine at once and check for loose mounting bolts or worn hammers.



**CAUTION! Never work with your hands down in the shredder throat area or in the discharge area. If material has bridged, shut off the tractor engine, use a wooden stick to prod or clean. KEEP HANDS CLEAR OF THE ROTOR AND HAMMERS.**

Check belt tension and bolts for tightness frequently when operating, especially when shredding coarse materials.

Know the tractor controls and how to stop quickly. **READ THE OPERATOR'S MANUAL.**

Handle gasoline with care - it is highly flammable: - A. Use approved gasoline container. - B. Never remove the fuel tank cap or fill the fuel tank when the tractor engine is running, is hot, or fill the fuel tank indoors. Also, do not smoke when working around inflammable fuel. Wipe up spilled gasoline. - C. Replace fuel cap securely.

When composting without the perforated screen, be certain the baffle plate is held open by the support rod. Otherwise it will swing loose, and swing into the rotor and cause damage.

Always stop the engine before removing or changing perforated screens and bar screens.

When shredding prunings or tree branches, wearing of gloves is advisable.

Never look into the discharge opening while the blades are in motion.

Use approved safety glasses when operating.

Avoid loose fitting clothing which could catch on moving parts and cause injury.

Do not run the engine in an enclosed area. Exhaust gases contain carbon monoxide, an odorless and deadly poison.



**CAUTION! Do not allow anyone in direct line of the discharge chute.**

After servicing, be sure all tools, parts, or servicing equipment are removed from the machine.

Be sure the tractor power take-off is "OFF" or disengaged before starting the tractor engine.

Be sure that the correct power take-off parts are used and that they are properly secured.

Disengage power to any attachment when transporting or not in use.

Comply with your state and local laws governing highway safety, and with regulations when moving machinery on a highway.





## CAUTION

1. Read the safety and operating instructions prior to operation.
2. This machine is engineered to shred leaves, flower stalks, rose prunings and other light organic garden materials.
3. Use approved safety glasses when operating.
4. **HAMMER KNIFE ROTOR CONTINUES TO ROTATE AFTER ENGINE IS SHUT OFF.** Do not attempt to clear hopper or chute until hammers have stopped.
5. Do not use hands or metal instruments to prod materials into feed hopper or out of discharge chute. If jammed, first turn off engine, remove ignition wire from spark plug and proceed cleaning shredder chamber using wooden stick.
6. Keep bystanders well away from area of machine.
7. Keep hands, face and loose clothing away from moving parts and throat area of shredder.

MA-10263

## INTRODUCTION

An International grinder-shredder is the answer to the "ecology movement" which emphasizes the need to reduce lawn and garden waste bulk for easier disposal without burning.

Assembled in this manual are operating, lubrication, and maintenance instructions for the International 59M Shredder-Grinder.

The International 59M Shredder-Grinder is designed for front mounting on a narrow frame or wide frame International Cub Cadet® Tractor when equipped with the "Quick-Hitch" feature.

This material has been prepared in detail so that it will help you to better understand the correct care and efficient operation of your machines.

The power for operating the shredder-grinder is supplied by means of a belt from the power take-off on the front of Cub Cadet® Tractor engine to the driven pulley.

The driven pulley is connected to the rear jackshaft pulley which transfers the power to the front jackshaft pulley which in turn operates the shredder-grinder.

Cutting is done by twenty-four (24) free swinging case hardened steel hammer type knives.

The shredder-grinder will process leaves, bones, sod, hay, stalks, weeds, vines, manure, table scraps, cardboard, and a variety of other waste materials.

The shredder-grinder has a perforated cutting screen with 1 inch diameter holes as standard equipment.

Other optional screens are available from your International Harvester dealer, and can be installed without tools, by simply removing two rods and quick-attachable cotter pins.

# ADJUSTING AND OPERATING

## GENERAL

For the operating controls and adjustments on the tractor, refer to the tractor Operator's Manual.

Before using a shredder-grinder for the first time, or one which has been stored, check to see that it is properly set up, adjusted, and lubricated as instructed in this operator's manual.

After the first hour of operation, check all nuts for proper tightness. Check both V-belts for proper tension and alignment.

Spread all cotter pins to keep them from falling out.

The operation of the shredder-grinder will depend to a large extent on the material and its condition for grinding.

The hinged hopper cover is provided to protect the operator from material "feedback" from the hopper.

Depending on type of materials being shredded, there may be some amount of "feedback".

Cover can be opened out of the way when necessary.

In the course of processing material, if the rotor and hammers should stop or become plugged, disengage the clutch lever as quickly as possible; this will prevent excessive wear on the clutch and belt.

Shut off the tractor engine, and proceed to remedy the problem, using a wooden prod.



**CAUTION! HAMMER KNIFE ROTOR CONTINUES TO ROTATE AFTER ENGINE IS SHUT OFF.** Do not attempt to clear hopper or chute until hammers have stopped.

A "rule of thumb" to follow is when the material to be processed is dry or brittle, use a screen.

For wet and soggy materials (for shredding green fibrous crop such as green tomato vines, wet straw, or manure) a bar screen is available.

The power take-off clutch lever on the tractor is used to start and stop the shredder-grinder.

When using power take-off operated equipment, best performance is achieved with the throttle lever in the "FAST" position.

This lever controls the speed of the engine. When set in a given position, it will maintain a uniform engine speed.

## STARTING THE SHREDDER-GRINDER

Place the throttle lever half-way between "SLOW" and "FAST".

Turn the ignition key clockwise to the "START" position of the tractor engine, and release it as soon as the engine starts.

After the engine starts, slowly engage the power take-off lever by pushing it forward to start the shredder-grinder.

Then advance the throttle lever to full or "FAST" throttle.

## STOPPING THE SHREDDER-GRINDER

Disengage the power take-off lever by pulling it to the rear position.

Reduce the engine speed by moving the throttle lever to the "SLOW" position and allow the tractor engine to idle for a short time before stopping.

Then turn the ignition key counterclockwise to the "OFF" position.

## BELT TENSION AND ALIGNMENT



**CAUTION! Make all adjustments with the tractor engine turned off.**

Replace the rotor drive belt if it should become soaked with grease, or when it is badly worn.

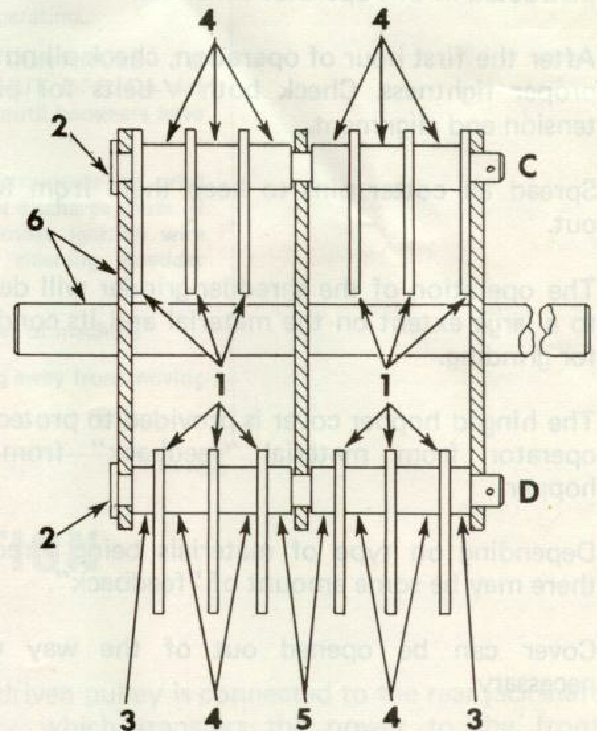
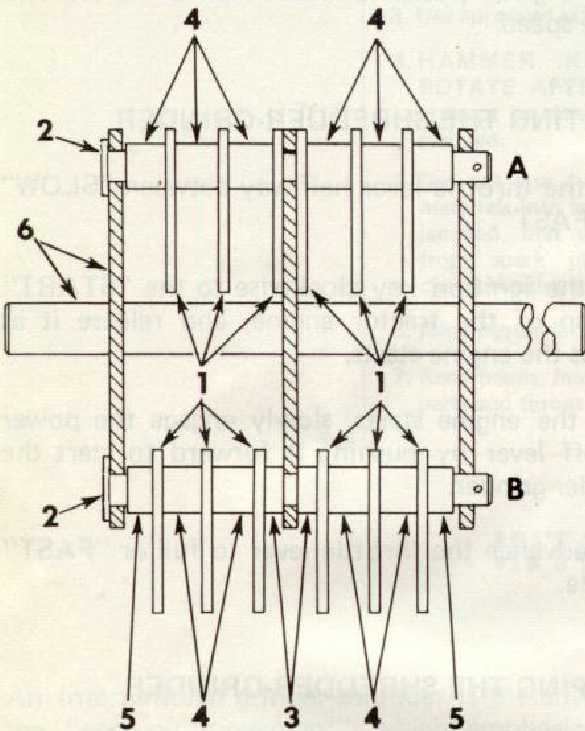
The belt tension is maintained by the adjustable idler pulley mounted on the idler pulley bracket.

## ADJUSTING AND OPERATING

When installing a new belt, always check the condition of the rotor pulley, front jackshaft pulley, and idler pulley. If they are not in satisfactory condition, replace them with new pulleys available at your International Harvester dealer.

For belt tension and pulley alignment, refer to **BELT REMOVAL AND REPLACEMENT** for Front Jackshaft pulley and Rotor pulley.

### ROTOR AND HAMMER



MA-7831A

- 1 - Hammer
- 2 - Hammer rod (A,B,C and D)
- 3 - Spacer (5/16-inch)  
(2 on B and D)

- 4 - Spacer (7/8-inch)(6 on A and C,  
4 on B and D)
- 5 - Spacer (5/8-inch)(2 on B and D)
- 6 - Rotor and shaft

Rotor, hammer and spacer assembly.

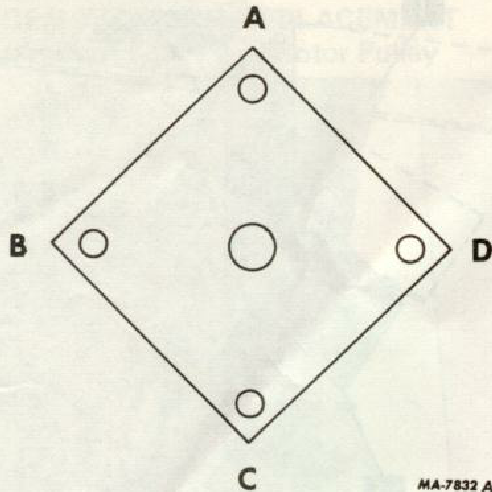
The balanced rotor and hammer unit has twenty four (24) hardened steel, free swinging knives (hammers) and two sealed rotor bearings.

Each knife (hammer) has four (4) cutting edges so when one wears smooth or becomes dull, you simply turn it around using the hole on the other end for a new sharp surface.

When the hardened steel hammers become dull on the cutting edge, they can be sharpened with a grinding wheel.

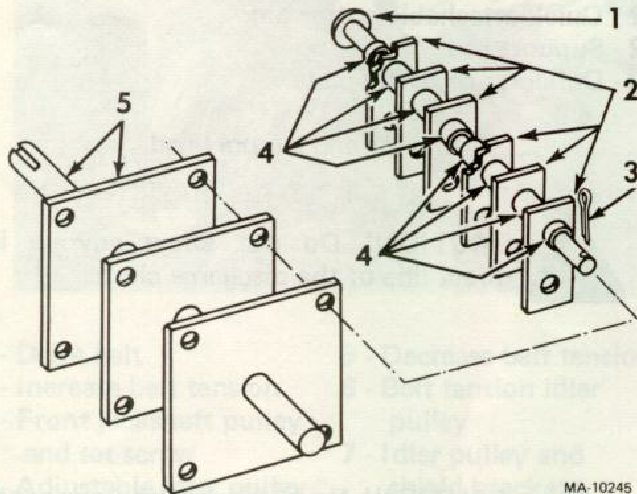
When sharpened with a grinding wheel, be sure to remove the same amount of material from each end of the hammer in order to maintain a perfect balance.

## ADJUSTING AND OPERATING



MA-7832 A

Rotor with hammer rod designations, A,B,C and D.



MA-10245

- |                |             |
|----------------|-------------|
| 1 - Hammer rod | 4 - Spacers |
| 2 - Hammers    | 5 - Rotor   |
| 3 - Cotter pin |             |

Rotor, hammer and spacer assembly.

### Disassembling the Rotor and Hammers



**CAUTION!** Stop the tractor engine, and be sure the tractor power take-off is "OFF" or disengaged. Before attempting to do any work on the shredder-grinder, be sure hammers have stopped.

To remove the hammers for sharpening or replacement, the following procedure should be followed:

Remove the quick-attachable cotter pin, support rod, and deflector from the discharge end of the shredder-grinder.

Remove the two quick-attachable cotter pins, two screen rods, and the screen from the inside of the shredder-grinder.

Loosen (do **not** remove) the nuts holding the cover plates located on opposite sides of the shredder housing. Rotate the cover plates upward to uncover the access holes for removal of the hammer rods.

It is advisable to mark the four corners of the rotor with some designation, such as A, B, C or D (see illustration), with chalk or other suitable marking material.

Remove the cotter pin from the end of the hammer rod. Slide the rod out from the rotor assembly and through the cover plate access holes, freeing the hammers and spacers. Use care in disassembling the rotor and hammer assembly.

If the hammer rod shows excessive wear in the area where the hammers swing, replace the rod with a new one.

The same applies to the hammers (or knives), in the area where they swing from the rod, reverse and use the hole on the opposite end of the hammer. To provide new cutting edges, grind to sharpen if practical, or replace with new hammers available from your International Harvester Dealer.

### Reassembling the Rotor and Hammers

Reassemble the first row designated "A" by inserting the hammer rod through the cover plate access hole, then through the hammers and spacers in turn within the rotor assembly, then reinstall the cotter pin in the end of the hammer rod.

Follow the same procedure for the second, third, and fourth rows marked B, C, and D.

See suggested A, B, C and D designations in the illustrations for a row by row procedure to follow for the proper installation of hammers and spacers.

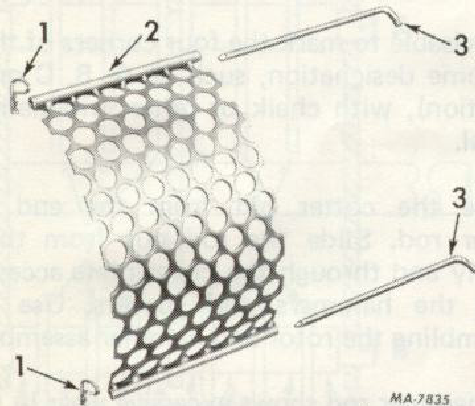
## ADJUSTING AND OPERATING

Use care in reassembling the hammers and spacers to the rotor, as severe vibrations will result if not assembled correctly.

After the rotor and hammer assembly has been properly installed, rotate the cover plates downward to cover the access openings, and tighten the nuts.

Reinstall the screen, screen rods and the quick-attachable cotter pins.

### SCREEN AND DEFLECTOR



- 1 - Quick-attachable cotter pin
- 2 - Screen
- 3 - Screen Rod

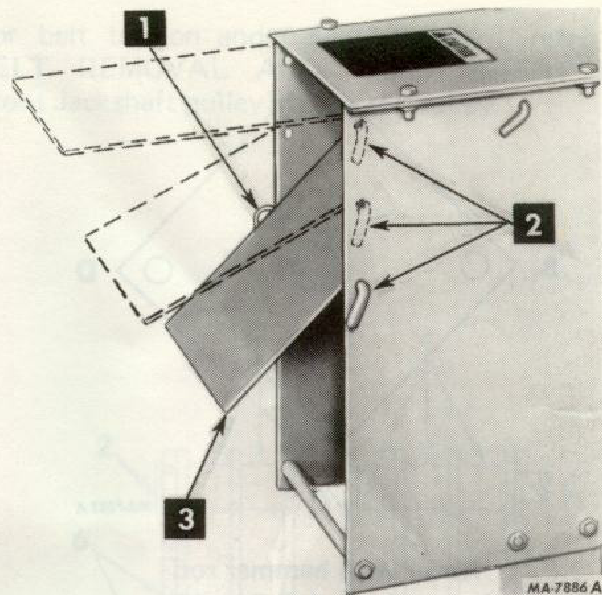
#### Grinding screen.

The screen with 1-inch perforations is furnished as standard equipment with your unit. This screen is suitable for processing dry, brittle, or hard materials (bones, dry corn stalks, leaves, newspaper, etc.).

To remove the screen, simply remove the two quick-attachable cotter pins, and pull out the two screen rods.

To reinstall the standard screen proceed in reverse order of removing.

**NOTE:** When operating shredder-grinder without a perforated or bar type grinding screen, be certain that the deflector plate is held open by the support rod. If not it will swing loose, and swing into the rotor hammers causing damage to the machine.



- 1 - Quick-attachable cotter pin
- 2 - Support rod
- 3 - Deflector or baffle plate

#### Deflector and support rod.



**CAUTION!** Do not allow anyone in direct line of the discharge chute.

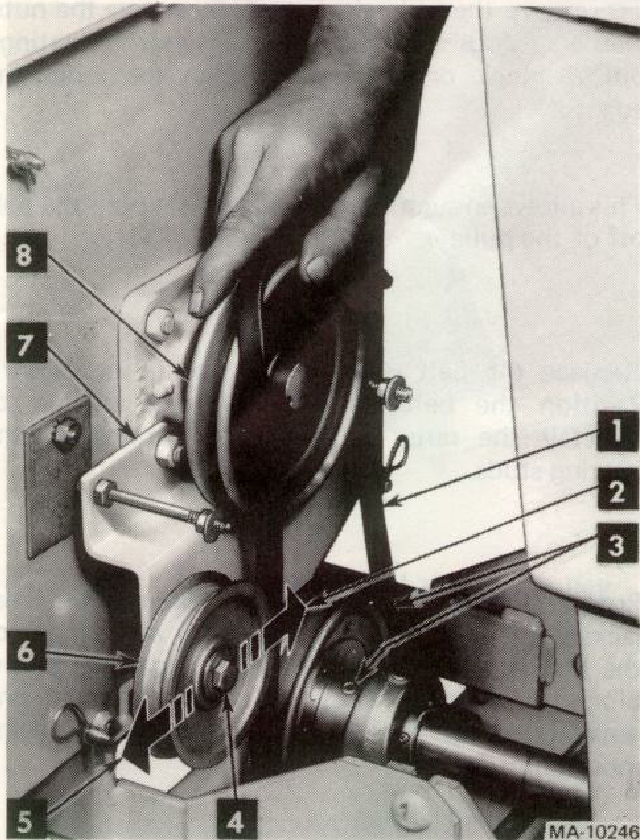


**CAUTION!** Never work with your hands down in the shredder throat area or in the discharge area. If material has bridged, shut off the tractor engine, use a wooden stick to prod or clean. **KEEP HANDS CLEAR OF THE ROTORS AND HAMMERS.**

Always use the baffle plate or deflector to direct the material discharged, either downward or away from the machine.

To adjust the baffle plate or deflector position, remove the support rod with the quick-attachable cotter pin, and insert it in any of the three hole positions.

**BELT REMOVAL AND REPLACEMENT  
Front Jackshaft Pulley and Rotor Pulley**



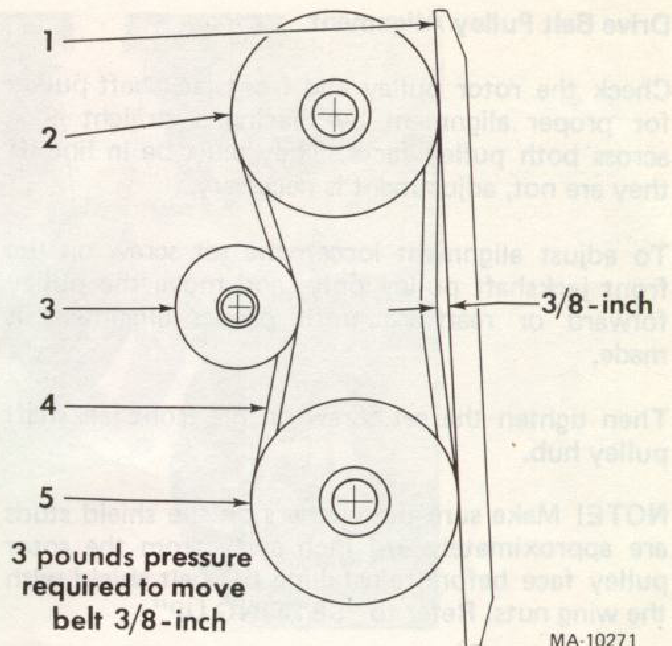
- |  |                                     |
|--|-------------------------------------|
| 1 - Drive belt                           | 5 - Decrease belt tension           |
| 2 - Increase belt tension                | 6 - Belt tension idler pulley       |
| 3 - Front jackshaft pulley and set screw | 7 - Idler pulley and shield bracket |
| 4 - Adjustable idler pulley              | 8 - Rotor pulley                    |

Belt shield removed for ease of assembly.

The front jackshaft pulley and rotor pulley drive belt tension is applied by the adjustable idler pulley. Moving the pulley away from the drive belt decreases the tension, moving the pulley towards the belt increases the belt tension.

To remove the belt, loosen the nut and bolt on the adjustable idler pulley, and slide the pulley in the bracket slot away from the drive belt to loosen the tension on the drive belt.

This allows enough slack to permit slipping the belt off of the pulleys.



- 1 - Straight edge
- 2 - Rotor pulley
- 3 - Belt tension idler pulley
- 4 - Drive belt
- 5 - Front jackshaft pulley

**Belt tension adjustment**

Before installing a new belt, always check the condition of the pulleys, and if they are not in satisfactory condition, replace them with new pulleys available from your International Harvester dealer.

**Belt Tension Adjustment**

Replace the belt with a new belt (if necessary), by positioning the belt on both pulleys, then slide the adjustable idler pulley in the bracket slot towards the drive belt to apply tension. Then tighten the nut and bolt.

Belt tension should be adjusted so that pressure on the side of the belt will deflect the belt as indicated in the illustration.

A deflection of 3/8 inch with three (3) pounds of pressure applied to the belt is the correct belt tension.

## ADJUSTING AND OPERATING

### Drive Belt Pulley Alignment

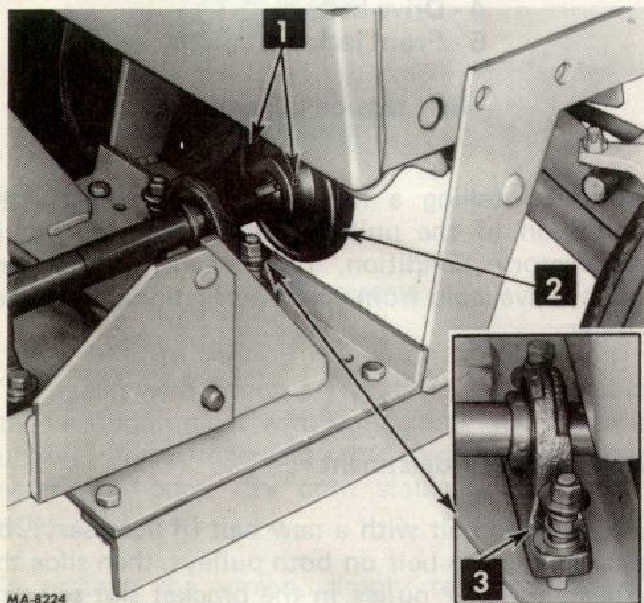
Check the rotor pulley and front jackshaft pulley for proper alignment by placing a straight edge across both pulley faces. They must be in line. If they are not, adjustment is necessary.

To adjust alignment loosen the set screw on the front jackshaft pulley only, and move the pulley forward or rearward until proper alignment is made.

Then tighten the set screw on the front jackshaft pulley hub.

**NOTE!** Make sure the washers on the shield studs are approximately 1/4 inch away from the rotor pulley face before reinstalling the belt shield with the wing nuts. Refer to "SETTING UP".

### BELT REMOVAL AND REPLACEMENT Power Take-off and Rear Jackshaft Pulley



- 1 - Rear jackshaft drive pulley and set screw
- 2 - Drive belt
- 3 - Belt tensioning springs, nuts and washers

To remove the old belt, loosen or remove the nuts, washers, and springs from the rear "floating" pillow block or bearing studs on the mounting adaptor.

This allows enough slack to permit slipping the belt off of the pulleys.

Replace the belt with a new one (if necessary). Position the belt on both pulleys, tighten or reinstall the nuts, washers, and springs on the bearing studs.

Proper tension for the power take-off and rear jackshaft pulley belt is provided by adjustment of the hold down nuts for the rear "floating" pillow block or bearing. These nuts and washers and tension springs are located on the studs of the mounting adaptor.

Tightening the nuts "flush" with the top of the studs should give proper belt tension. If more tension is required, tighten both nuts with the same amount of turns until sufficient tension has been acquired.

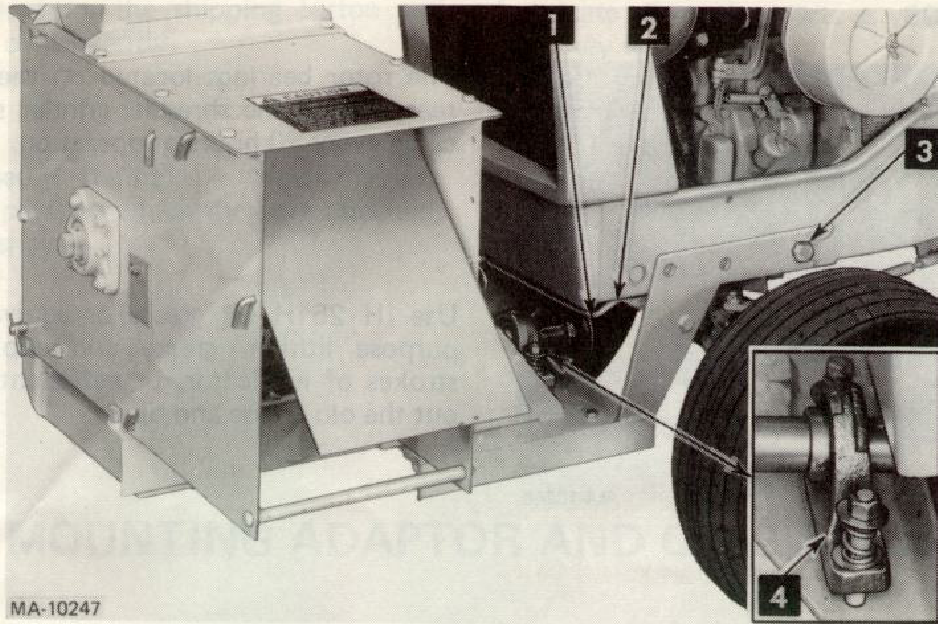
### Power Take-Off and Rear Jackshaft Belt Alignment

Check the power take-off clutch pulley and rear jackshaft pulley for alignment.

To adjust pulley alignment, loosen the set screw on the rear jackshaft pulley, and move it either inward or outward on the drive shaft to align it with the power take-off clutch pulley.

Then tighten the set screw securely.

# DETACHING AND ATTACHING



- 1 - Rear jackshaft drive pulley and tractor power take-off belt
- 2 - Quick-hitch lever

- 3 - Hitch bolt
- 4 - Belt tensioning springs, nuts, and washers

## DETACHING

Lock the tractor brake and disengage the power take-off clutch.

Stop the tractor engine by turning the ignition key to the "Off" position, before dismounting the tractor.

Remove the tractor power take-off belt by loosening or removing the nuts, washers, and springs from the mounting studs of the "floating" pillow block or bearing on the mounting adaptor and slipping the belt off of the pulleys.

Depress the quick-hitch lever, which unlocks in the down position, and pull the shredder-grinder with mounting adaptor away from the tractor.

When the shredder-grinder is not to be used for some time, it should be stored in a dry and protected place. Leaving your equipment outdoors, exposed to the elements, materially shortens its life.

## ATTACHING

Stop the tractor engine by turning the ignition key to the "Off" position. Lock the tractor brake, and disengage the power take-off clutch. Align the shredder-grinder mounting adaptor with the front of the tractor.

Depress the quick-hitch lever, which unlocks in the down position, and slide the shredder-grinder mounting brackets on to the hitch bolts so that the quick-hitch lever will automatically lock in to the up position.

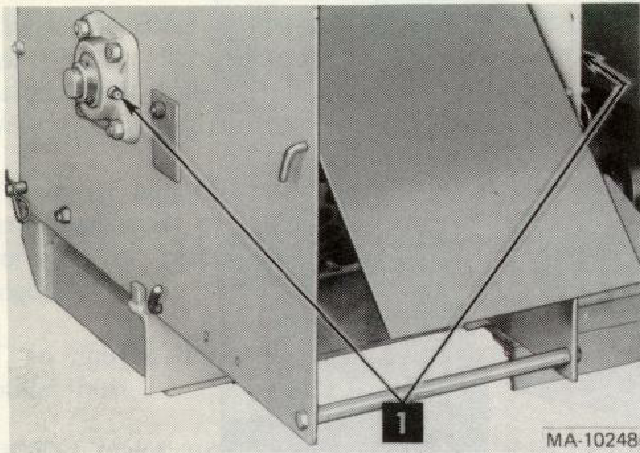
Attach the belt to the power take-off pulley and rear jackshaft pulley.

For adjustment for proper belt tension and pulley alignment, refer to BELT REMOVAL AND REPLACEMENT for Power Take-Off and Rear Jackshaft Pulley.



# DETACHING LUBRICATION

## ROTOR BEARINGS



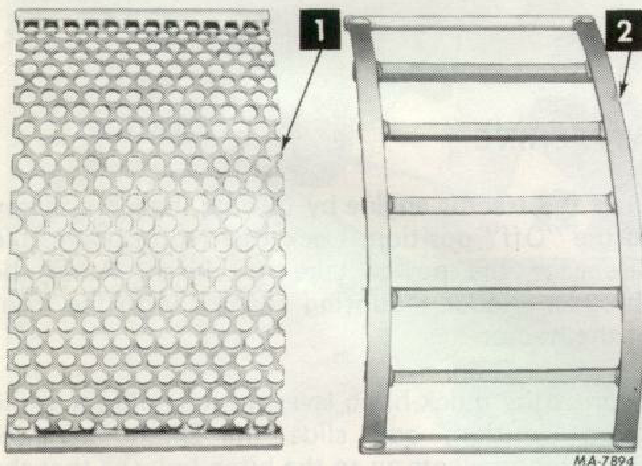
1 - Lubrication fitting

The rotor bearings located on the front side and rear side of the shredder-grinder should be lubricated every 20 hours of operation.

Use IH 251H EP grease or equivalent #2 multi-purpose lithium grease and apply one or two strokes of lubricator, or sufficient grease to flush out the old grease and dirt.

## OPTIONAL EQUIPMENT

### SCREENS



- 1 - Screens (with 1/2 inch perforations)
- 2 - Bar type screen

An optional perforated screen and bar type screen is available from your International Harvester dealer, and can be installed or removed without tools, using the two screen rods and quick-attachable cotter pins.

For wet and soggy materials (for shredding green fibrous crop such as green tomato vines, wet straw, or manure) a bar screen is available with 2 x 7-1/4 inch openings.

Special purpose screen with 1/2 inch perforations is also available. The finer materials are ground up, the more quickly they decompose into valuable humus fertilizer, thus recycling waste organic material back to the soil.

Process material by using the 1 inch perforated screen first before using the smaller 1/2 inch perforated screen.

# SETTING UP

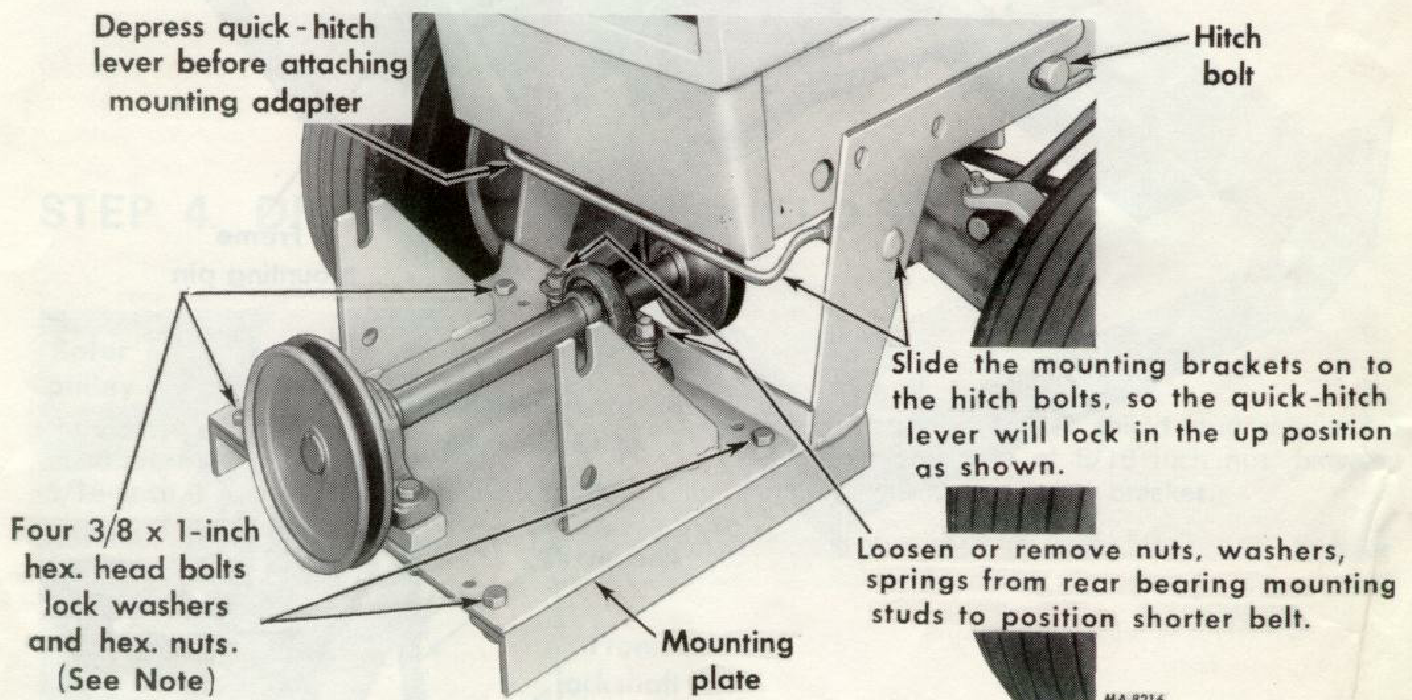
Remove all parts from the shipping carton and arrange the parts conveniently.

Lubricate all moving parts as you proceed, and see that they work freely.

Bolts must be used in the holes in which they are found, or in the parts to which they are attached, unless otherwise shown.

Whenever the terms "left" and "right" are used, it should be understood to mean from a position behind the International Cadet Tractor and facing the machine as it would be mounted at the front of the tractor.

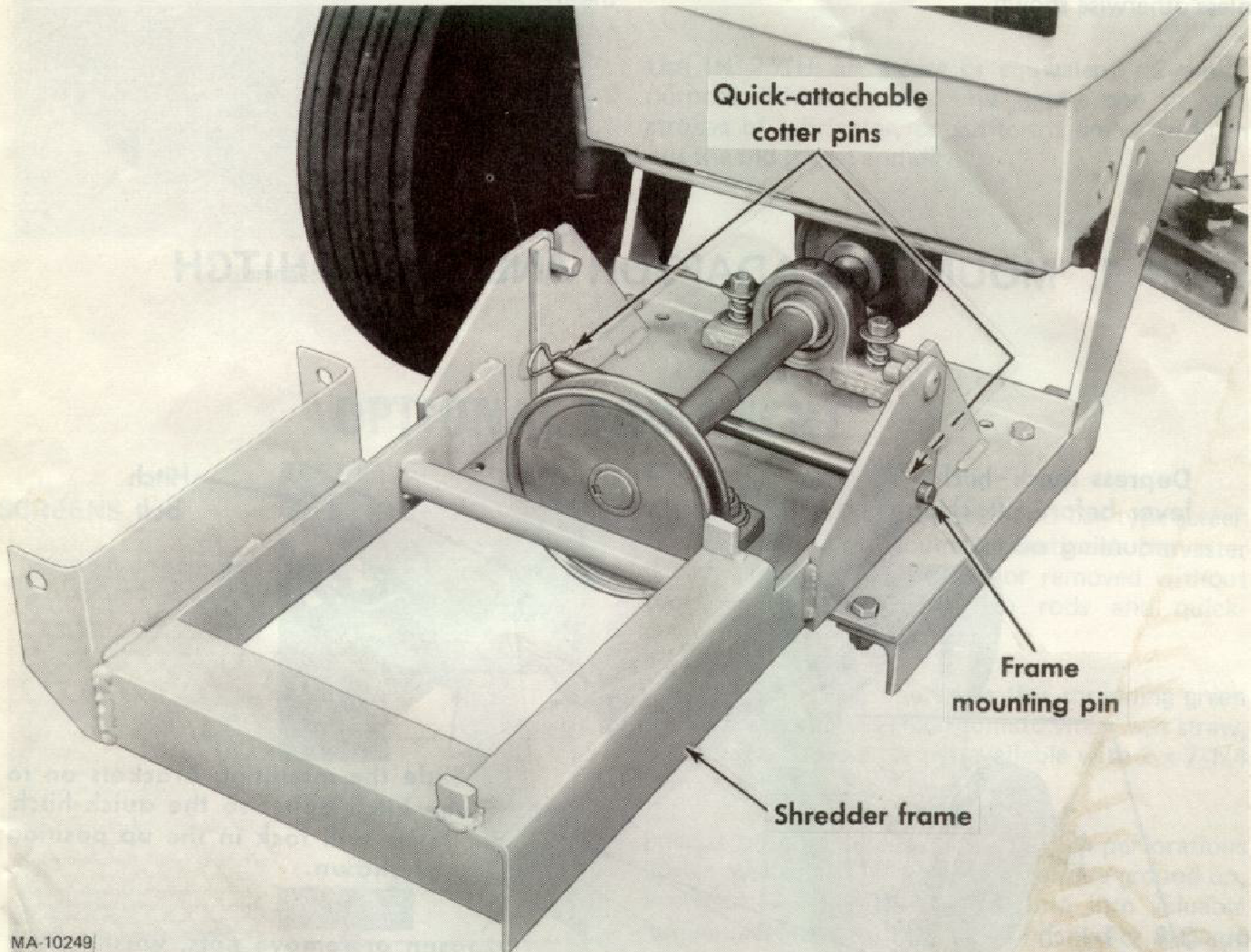
## STEP 1. MOUNTING ADAPTOR AND QUICK-HITCH



**NOTE:** For wide frame tractors, bolt the mounting plate to the adaptor brackets using the outer holes (as illustrated).

For narrow frame tractors, use the inner holes.

## STEP 2. SHREDDER FRAME AND MOUNTING PIN



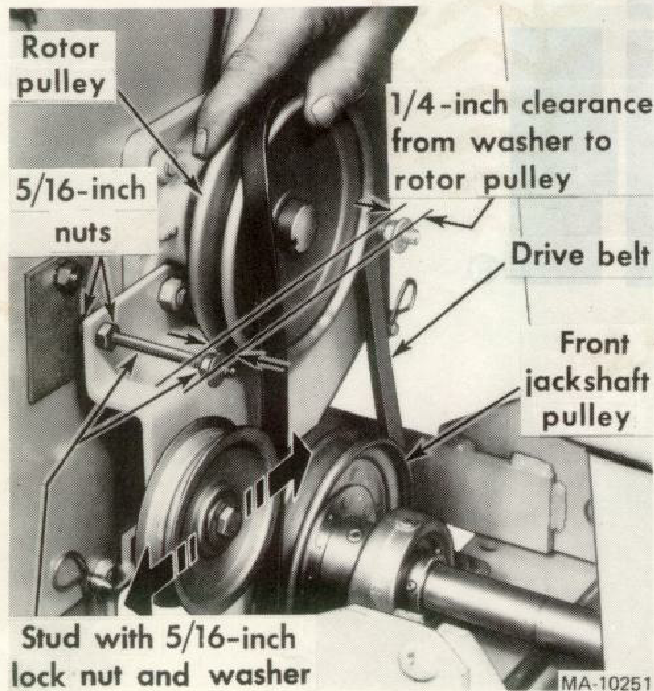
MA-10249

## SETTING UP

### STEP 3. SHREDDER MOUNTING PIN



### STEP 4. DRIVE BELT AND SHIELD STUDS

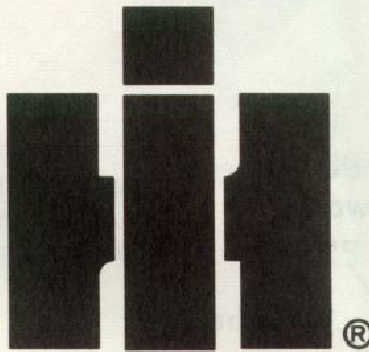
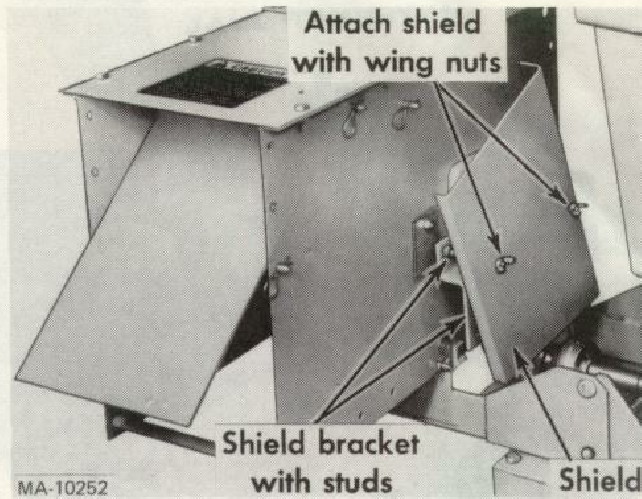


**NOTE:** Threaded end of shield stud should not extend beyond face of 5/16 inch nut, between shredder housing and pulley bracket.

**NOTE:** Make sure the washers on the shield studs are approximately 1/4 inch away from the rotor pulley face before installing the belt shield with the wing nuts.

SETTING UP

STEP 5. BELT SHIELD



NOTE: Make sure the washers on the shield studs are approximately 1/4 inch away from the rotor pulley face before installing the belt shield with the wing nuts.

SECOND 10"

# STEP 5. BELT SHIELD

