

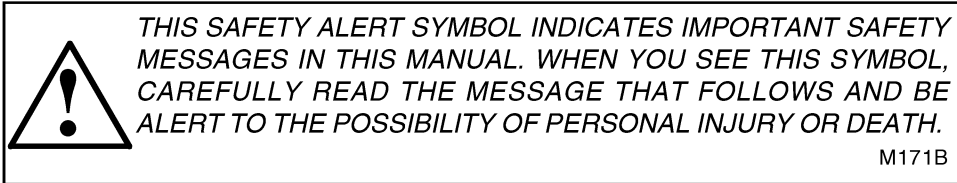
**McCormick
No. 27-V
Universal
Tractor Mower
(5, 6 and 7-Ft. Cut)**

Operator's Manual

1010500R7

Reprinted




CASE III



If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation which if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates an potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates an potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.

Operator's Manual



SETTING UP INSTRUCTIONS

McCORMICK®

No. 27-V

**Universal
Tractor Mower**

(5, 6 and 7-Ft. Cut)

INTERNATIONAL HARVESTER COMPANY

180 North Michigan Ave.

Chicago 1, Illinois, U.S.A.

TO THE OWNER

The purpose of this manual is to assist you in realizing the benefits you anticipated when you purchased this International Harvester product. Literally thousands of people have contributed to the design and production of this product and its delivery to you. They have an interest in its successful performance and have provided this manual to give you the benefit of the experience they have gained through years of field testing and normal usage of this and similar products.

The way you operate and the care you give this product will have much to do with its successful performance. This manual has been carefully prepared and the information arranged and illustrated to make it as easy as possible for you to find the information you wish. It will pay you to read the entire manual carefully before operating and keep it handy for future reference. Your International Harvester Dealer will be glad to answer any further questions you may have on the operation or care of this product.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to make such changes on products sold previously.

All illustrations and descriptive matter in this publication apply to International Harvester products sold under the International, McCormick, McCormick-International, McCormick-Deering, or McCormick-Deering International trade name.

ORDERING NUMBERS FOR POWER DRIVE AND HITCH PARTS

Attachment No.	Tractor Used On	See Pages
ZMA 707	10-20 and W-30 Tractors	7, 23, 31
ZMA 708	15-30 and W-40 Tractors	7, 23, 31
ZMA 715	I-4 Tractor	12, 23, 31
ZMA 742	W-4, W-6, Super W-6, WD-6 and Super WD-6 Tractors with Hydraulic Remote Control Attachment	11, 23, 31
455 163 R91	W-4, W-6, Super W-6, WD-6 and Super WD-6 Tractors with Hydraulic Remote Control Attachment	11, 23, 31
ZMA 721	W-9, WD-9, WR-9 and WDR-9 Tractors	11, 23, 31
ZMA 709	Farmall F-12 and F-14 Tractors	8, 23, 31, 32
ZMA 751	Farmall Regular, F-20 and F-30 Tractors - Standard Tread	8, 23, 31, 33
ZMA 752	Farmall Regular, F-20 and F-30 Tractors - Narrow Tread	8, 23, 31, 33
ZMA 696	Farmall A, B and BN Tractors	9, 23, 31
453 983 R91	Farmall Super A Tractor	9, 23, 31
ZMA 722	Farmall AV Tractor	9, 23, 31
453 991 R91	Farmall Super AV Tractor	10, 27, 31
453 903 R91	Farmall C and Super C Tractors with Hydraulic Lift	10, 27, 31
455 244 R91	Farmall C and Super C Tractors with Hydraulic Remote Control Attachment	10, 27, 31
454 904 R91	Farmall H, M and MD Tractors	10, 23, 31, 32
454 905 R91	Farmall H, M and MD Tractors with Hydraulic Lift	10, 23, 31, 32
454 906 R91	Farmall H, M and MD Tractors with Hydraulic Remote Control Attachment	15, 23, 31
454 769 R91	Allis-Chalmers "B" and "C" Tractors	15, 23, 31
ZMA 681	Allis-Chalmers "RC" and "WC" Tractors	16, 23, 31
ZMA 682	Allis-Chalmers "UC" Tractor	16, 23, 31
ZMA 753	Allis-Chalmers "WD" Tractor	18, 23, 31
ZMA 697	Caterpillar R-2 and D-2 Tractors	17, 23, 31
ZMA 720	Ford-Ferguson Tractor	17, 28, 31
454 759 R91	Ford Model 8-N Tractor with Hydraulic Lift	19, 23, 31
454 753 R91	Massey-Harris Model Nos. 30 and 44	17, 23, 31
ZMA 674	J. I. Case "DC" Tractor	12, 23, 31
ZMA 676	John Deere Model "A" Tractor (with Serial Number below 561 902).	12, 23, 31
ZMA 718	John Deere Model "B" Tractor (with Serial Number below 186 134)	12, 23, 31
ZMA 748	{ John Deere Model "A" Tractor (with Serial Number above 561 901).	13, 23, 31
	{ John Deere Model "B" Tractor (with Serial Number above 186 133).	13, 23, 31
ZMA 678	John Deere Model "G" Tractor	13, 23, 31
ZMA 719	John Deere Model "H" Tractor	14, 23, 31
454 743 R91	John Deere M and MT Tractors with Hydraulic Lift	14, 29, 31
ZMA 684	Massey-Harris Nos. 101 and 101 Jr. Tractors	18, 23, 31
ZMA 687	Minneapolis-Moline "R" Tractor	19, 23, 31
ZMA 685	Minneapolis-Moline "Z" Tractor with Power Lift	20, 23, 31
ZMA 686	Minneapolis-Moline "Z" Tractor without Power Lift	20, 23, 31
ZMA 683	Oliver No. 70 Row Crop Tractor	20, 23, 31

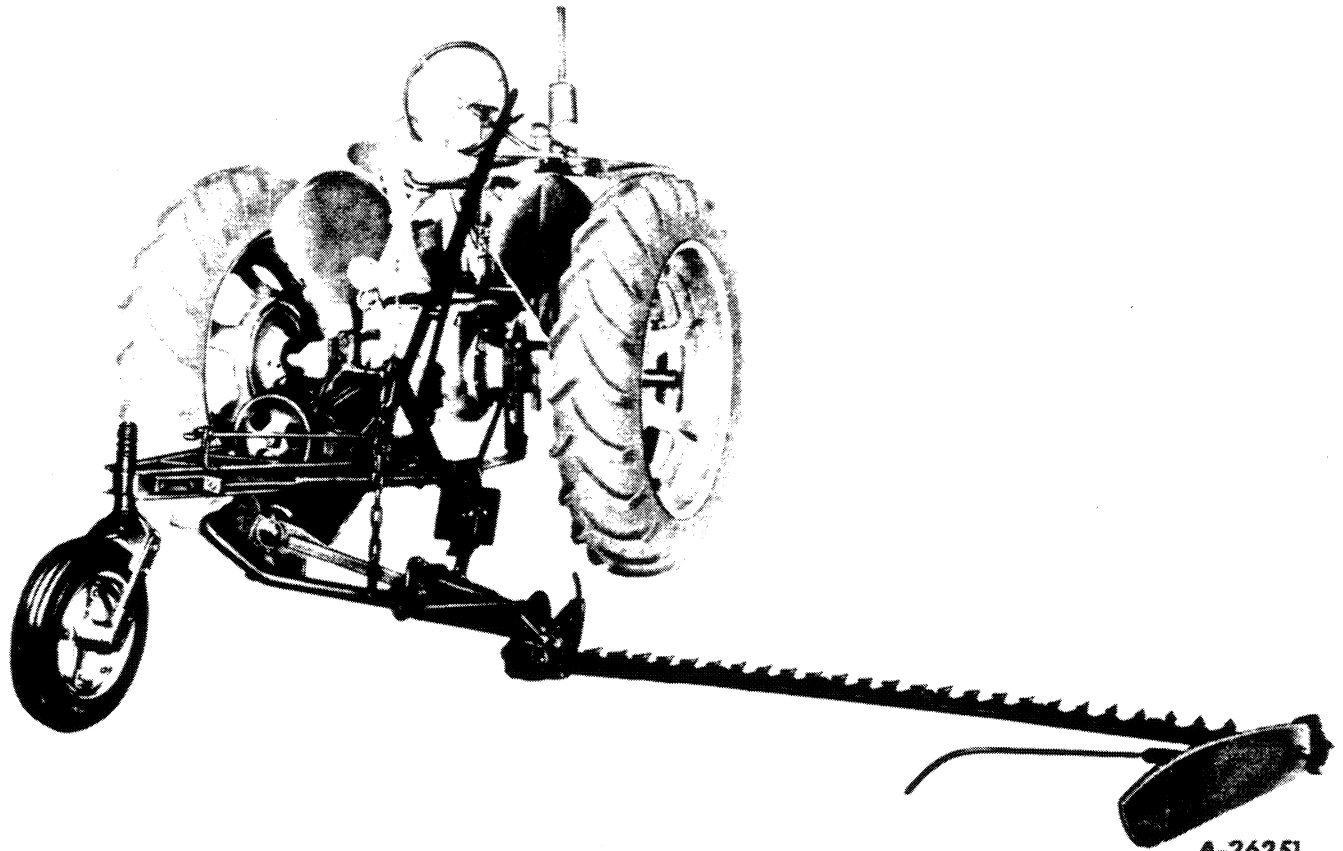
The above hitches are for all tractors with Standardized Power Take-Off and Drawbar Dimension except the John Deere Model "G" (1-3/4" power take-off shaft).

SPECIAL EQUIPMENT

The following special equipment can be obtained on order:

Ordering No.	Description
ZMB 729	Canning pea bar, 5-ft.
ZMB 730	Canning pea bar, 6-ft.
MA 32 999	Caster wheel (steel tire).
451 497 R92	Cutter bar with MF 989 guards, 5-ft. (Level Cut).
451 498 R92	Cutter bar with MF 989 guards, 6-ft. (Level Cut).
451 499 R92	Cutter bar with MF 989 guards, 7-ft. (Level Cut).
451 879 R92	Cutter bar with ZA 53 guards, 5-ft. (Cardo Bar).
451 880 R92	Cutter bar with ZA 53 guards, 6-ft. (Cardo Bar).
451 881 R92	Cutter bar with ZA 53 guards, 7-ft. (Cardo Bar).
451 882 R92	Cutter bar with M 2041 guards, 5-ft. (Weed Bar).
451 883 R92	Cutter bar with M 2041 guards, 6-ft. (Weed Bar).
451 884 R92	Cutter bar with M 2041 guards, 7-ft. (Weed Bar).
451 876 R91	Cutter bar with MH 804 guards, 5-ft. (Low Cut).
451 877 R91	Cutter bar with MH 804 guards, 6-ft. (Low Cut).
451 878 R91	Cutter bar with MH 804 guards, 7-ft. (Low Cut).
M 2 569	Drive pulley (fast speed).
M 32 813	Drive pulley belt (fast speed).
M 42 708	Hydraulic lift for H, M, and MD Farmall Tractors.
356 522 R91	Hydraulic remote control cylinder package for W-4, W-6, Super W-6, WD-6 and Super WD-6 Tractors.
*356 586 R91	Hydraulic remote control tractor attachment for W-4 Tractor.
356 777 R91	Hydraulic remote control cylinder package for Farmall C and Super C Tractors.
*356 824 R91	Hydraulic remote control tractor attachment for Farmall C and Super C Tractors.
*357 447 R91	Hydraulic remote control tractor attachment for W-6 Tractor, without Service Meter Attachment, having engine serial number WBKM-29137 and up. For Super W-6 Tractors without Service Meter Attachment.
*357 449 R91	Hydraulic remote control tractor attachment for W-6 Tractors with Service Meter Attachment, having engine serial number WBKM-29137 and up. For Super W-6 Tractors equipped with Service Meter Attachment.
*357 451 R91	Hydraulic remote control tractor attachment for WD-6 Tractor with engine serial number WDBKM-7924 and up and for Super WD-6 Tractors.
*357 480 R91	Hydraulic remote control tractor attachment for Farmall M, MD and MDV Tractors. When this attachment is ordered for use with a Farmall MD or MDV Tractor, spacer package 354 154 R91 must also be ordered. In addition, when installing the spacer package for a Farmall Md Tractor with a serial number below FDBK-149584, or a Farmall MDV Tractor with a serial number below FDBKV-149494, one each of the following must also be ordered: 352 788 R91 Battery box support, rear. 352 789 R91 Battery box support, front. 352 790 R91 Battery box support hold-down bolt.
*357 481 R91	Hydraulic remote control tractor attachment for Farmall H. Tractor.
357 482 R91	Hydraulic remote control cylinder package for Farmall H, M, Super M, MD and Super MD Tractors.
453 245 R92	Hydraulic remote control cutter bar lift conversion parts.
M 42 211	Lead wheel, inner shoe (pneumatic tire).
M 32 362	Lead wheel, outer shoe (pneumatic tire).
451 153 R92	Lead wheel, inner shoe (semi-pneumatic tire).
451 151 R92	Lead wheel, outer shoe (semi-pneumatic tire).
ZMA 375	Lever, foot (for F-12 and F-14 Farmall Tractors).
ZMA 376	Lever, foot (for F-20 and F-30 Farmall Tractors-Regular Tread).
ZMA 377	Lever, foot (for H, M, and MD Farmall Tractors).
ZMA 397	Lever, foot (for F-20 and F-30 Farmall Tractors-Narrow Tread).
454 730 R91	Lifting jack.
ZMA 101	Outside divider.
MB 32 938	Pitman, ball bearing.
M 32 817	Slip clutch pulley with belt (fast speed).
M 32 814	Slip clutch pulley with belt (regular speed).
M 22 817	Windrow attachment, 5-ft.
M 32 611	Windrow attachment, 6-ft.
ZMA 333	Windrow attachment, 7-ft.
ZMA 323	Windrow attachment, 5, 6, and 7-ft. (Green Crop).

*The Hydraulic Remote Control Cylinder Package is not included with the tractor attachment and must be ordered separately when required.



A-26251

TO THE OWNER

By purchasing a No. 27-V Mower you have selected a product of the world's foremost manufacturer of farm equipment. Years of experience combined with constant research and development have made possible the production of this implement. In order that you may obtain the full benefits from this machine and enjoy the savings which are possible it will be to your advantage to read this Manual carefully.

The No. 27-V is a universal-type, trail-behind, power mower with hitches available to fit most tractors. It can be attached or detached conveniently by one man.

The frame is hinged to the tractor drawbar and the rear end is carried on a caster wheel which supports a large part of the mower weight. The cutter bar floats independently of the tractor so the mower is especially suitable for cutting over uneven ground. The caster wheel is equipped with a roller bearing which is dust-sealed and pressure-gun lubricated.

Power is transmitted quietly, smoothly, and with maximum efficiency from the drive shaft directly to the flywheel by means of a V-belt drive. Both the drive shaft and flywheel shaft

turn on tapered roller bearings with oil-bath lubrication.

The universal joints on the telescoping power take-off shaft are of the automotive needle-bearing type. A higher knife speed for cutting wild hay, etc., can be conveniently obtained merely by using a larger diameter drive pulley and longer belt which are available as special equipment.

The No. 27-V mower is equipped with a safety spring trip which automatically releases the cutter bar should it strike an obstruction. The pitman and knife retain their normal straight-line position, even when the bar is fully swung back, so cramping and possible breakage is avoided. To reset the bar in working position, it is only necessary to back the tractor until the release is engaged.

The No. 27-V mower has a plain-type lift which is easily raised and lowered by means of a long lever extending within easy reach of the operator. In place of the manually operated lifting lever, this mower can be equipped for power lift control for Farmall Tractors equipped with hydraulic power lift.

INSTRUCTIONS FOR ADJUSTING AND OPERATING

(Setting Up Instructions are on page 6)

GENERAL

See that your machine is properly set up, adjusted and lubricated as instructed, before going into the field. Be sure that all nuts are

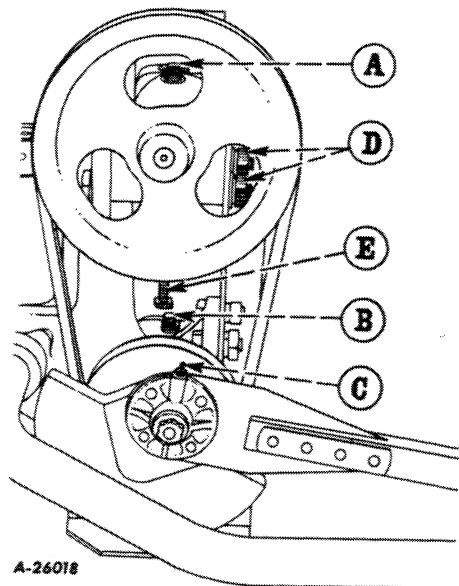
tight. All nuts should be tightened after the first eight or ten hours of service and again after another eight or ten hours.

LUBRICATION

Before starting, add one-half pint of good grade SAE-90 lubricant to the upper housing "A" and to the lower housing "B". Inspect the oil level at least once a week and replenish when necessary.

Use the pressure gun several times daily in the plain pitman bearing indicated at "C" in *Illust. 1*. For ball bearing pitman, use a pressure gun once a week.

In localities where the soil is sandy or full of grit, the knife guides, wearing plates and knife clips should not be oiled; in other localities, where these conditions do not exist, oil them daily.

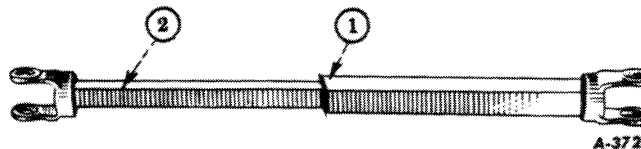


Illust. 1

Keep your machine clean and lubricate freely all bearings and moving parts. Use a pressure gun once daily at the following points:

Main frame.
Main frame hinge.
Inner shoe hinge.
Power drive knuckle.

Gag lever.
Caster wheel bracket.
Caster wheel bearing.



Illust. 2

When assembling the telescoping shafts and sleeves, be sure to insert a liberal amount of grease in the end of the sleeve "1". Then freely grease the square shaft "2". Work the shaft in and out of the sleeve so that the sleeve and shaft are well lubricated. Repeat when necessary. See *Illust. 2*.

DRIVING MECHANISM

Power is delivered to the cutter bar by means of a heavy duty V-belt and universal knuckle drive. The universal knuckle requires no attention at any time other than periodic lubrication.

If the V-belt requires tightening at any time, loosen the two bolts indicated at "D"

in *Illust. 1*. Adjust the bolt "E" for the correct tension on the belt and again tighten bolts "D". The V-belt is properly adjusted when a slight thumb pressure can deflect the belt one-half inch at a point midway between the pulleys.

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