INTERNATIONAL HARVESTER

OPERATOR'S MANUAL

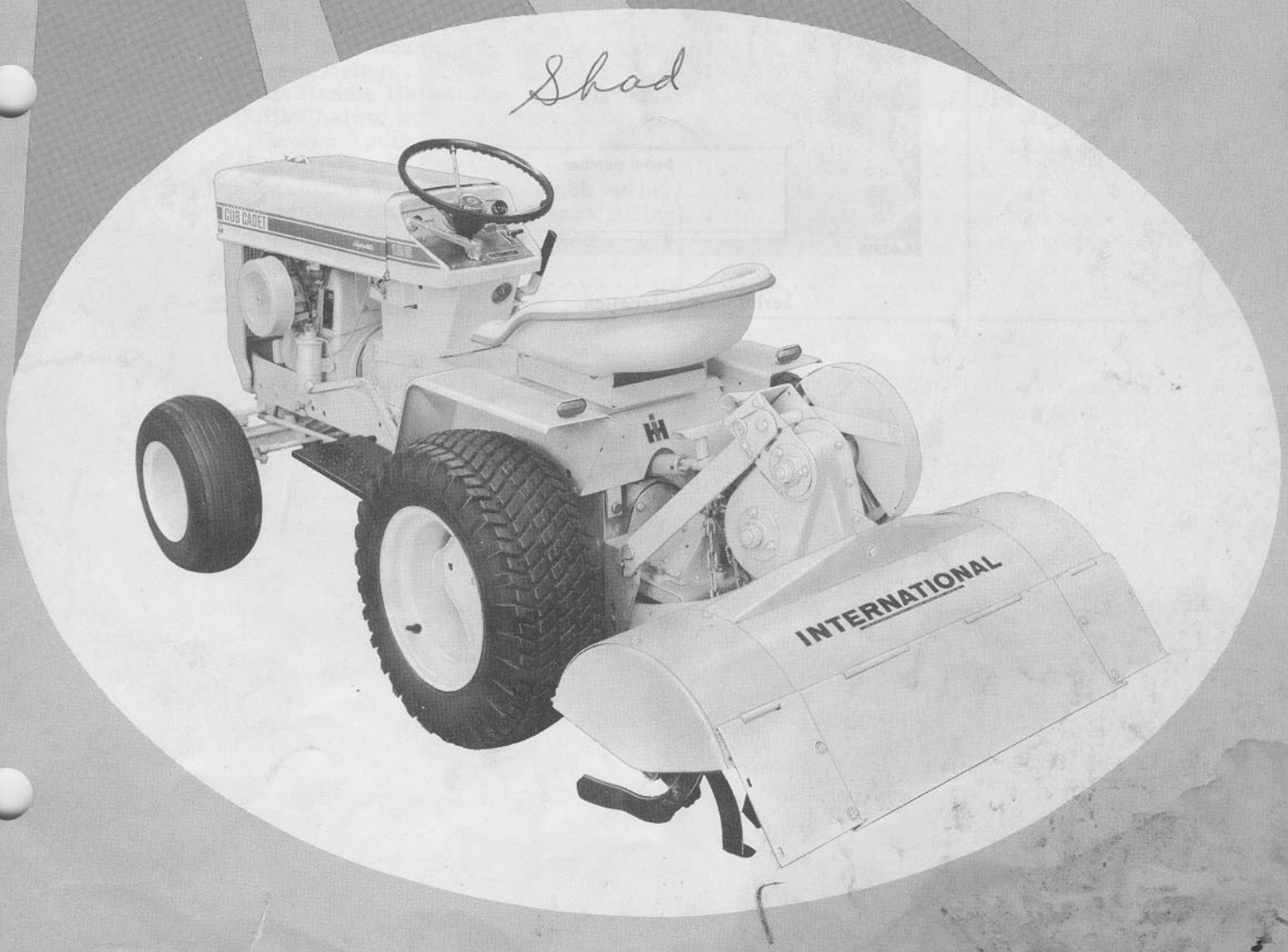
SETTING UP INSTRUCTIONS

INTERNATIONAL®

1A

Rotary Tiller

OPERATION
MAINTENANCE
LUBRICATION



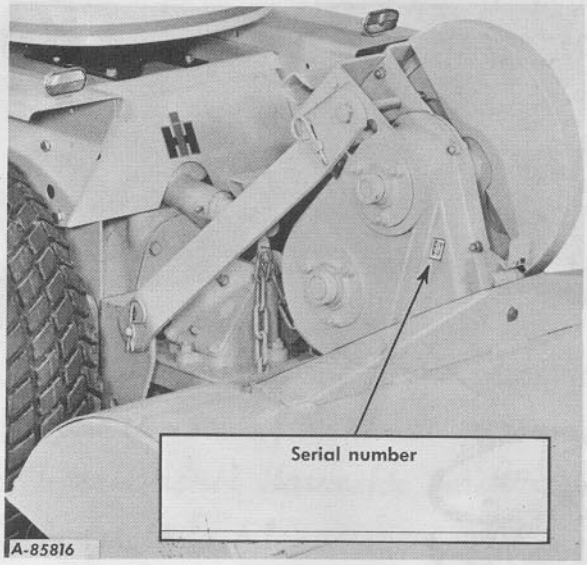
To The Owner

Your new rotary tiller 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 field 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 Adjusting and Operating in this manual. Check each item referred to and acquaint yourself with the adjustments required to obtain efficient operation and maximum trouble-free performance. Remember a machine which is properly lubricated and adjusted saves time, labor, and fuel.

After the operating season, thoroughly clean your equipment 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.



Serial number location.

CONTENTS

INTRODUCTION

The International® 1 Rotary Tiller is designed for rear mounting on International Cub Cadet Tractors having serial numbers 65458 and higher.

The tractor must be equipped with the following attachments and packages which are available from your International Harvester dealer.

Three-Point Hitch Attachment.

Creeper Attachment for tractors with a gear drive transmission.

A power take-off clutch package is required for Cub Cadet 70 and 100 Tractors not already so equipped.

An idler pulley assembly completing package is required for Cub Cadet Tractors having serial number 65458 and higher, not already equipped with the 3-spindle rotary mower.

For Cub Cadet Tractors having serial number 65458 and higher, already equipped with the 3-spindle rotary mower (built 1968 and since), replace the tension spring and spacer on the spring loaded belt tightener with an idler adjusting bracket, spacer, plain washers, and nylon insert nut.

The tiller is driven by a V-belt from the tractor engine mounted power take-off clutch. The clutch is engaged by a hand lever mounted on the steering wheel standard.

The tine shaft is driven by chains which are enclosed in a housing. They are factory lubricated and require no periodic maintenance.

Raising and lowering of the tiller is done by means of the tractor lift lever.

An Extension Attachment to increase the cutting width of the tiller from 32 to 38-inches, is available from your International Harvester dealer.

If the tractor has been equipped with an International Rotary Mower (38, 42, or 48-inch, 3-spindle) the mower subframe may remain and the front idler pulley assembly remain on the tractor when using the tiller.

This tiller is ideal for seedbed preparation, shallow mulching, cultivating between rows, under shrubs, in groves, etc.

It has a low profile with shielded tines to avoid damaging branches and foliage.

A center tooth is provided to till the soil left under the chain housing. It may be used or removed as required.

The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, **Illust. 6 on page 6.**

Note: Tractors with serial number 400,000 and below require a shorter drive belt. See your International Harvester dealer.

SAFETY INSTRUCTIONS

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

1. The rotary tiller has been designed to minimize the chance of an accident. However, there is no substitute for a careful operator.

2. Do not wear loose fitting clothing.

3. Never place hands or feet under the tiller or raise the rear plate to look under the tiller while the tractor engine and tiller are running. Stay clear of all moving parts.

4. Before operating, be sure all stones, branches or any other debris are removed to avoid possible damage to the tiller.

5. Be sure the tiller is properly mounted on the tractor and all safety shields are in place and properly secured before starting to operate the equipment.

6. Disengage the power take-off clutch before starting the tractor engine.

7. Do not carry passengers. Keep children and pets a safe distance away.

8. Do not allow children or adults to operate the equipment without proper instruction.

9. Do not leave the tractor engine running unattended. Stop the engine and remove the ignition key.

10. Use extreme care and maintain minimum ground speed when transporting on hillsides, over rough ground, and when operating close to ditches and fences.

11. Stay alert for holes in terrain and other hidden hazards.

12. Do not allow anyone in the area behind the tiller while operating.

13. Stop the tractor engine and disconnect the spark plug wire before attempting to clean or work on the tiller.

14. Don't stop or start suddenly when going uphill or downhill.

15. Know the controls and how to stop quickly.

16. It is recommended that the machine be stopped and inspected for damage after striking a foreign object and that any damage be repaired before restarting and operating the machine.

ADJUSTING AND OPERATING

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

GENERAL

Before going into the field with a new machine or one which has been stored, check to see that all bolts are tight and that all cotters are spread.

After the first hour of operation, check all bolts for adequate tightness and check both V-belts for proper tension. Refer to "V-Belt Tighteners" **on pages 6 and 7.**

LUBRICATION

Note: On some models, the tiller gear box is shipped from the factory without lubricant. Before starting, fill the gear box up to the lower level plug opening with SAE-80 oil.

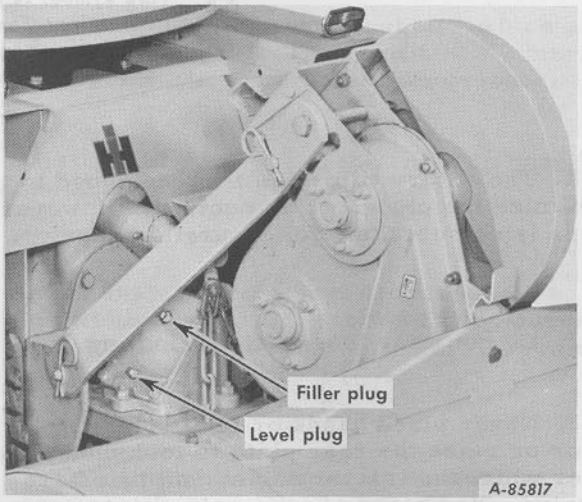
On other units the tiller gear box is a sealed unit and requires no service.

Check the oil level of the gear box occasionally to see that it is filled to the correct level. Before checking, be sure the tractor engine is stopped. **See Illust. 4.**

TILLING AND CULTIVATING

The basic tilling width is 32 inches. It can be offset to the left or right, as desired by attaching the 6-inch extension tine and shield to either side. **See Illust. 20.**

Under some conditions a 26-inch tillage width is desirable. Remove the extension shield and 6-inch extension tine from the 32-inch tiller, then attach the end cap to the safety shield. **See Illust. 19.**



Illust. 4
Location of gear box filler and level plugs.

For best results in adverse ground conditions, reduce the tiller width to 26-inches and start the tilling operation at a shallow depth and increase the depth at successive passes over the area.

Your tiller may be expanded to a 38-inch width for use in loose soil, row crop cultivator, or light mulching.

To control the tilling depth, set the lift handle in the desired position.

When tilling the soil, small lumps are desired; pulverizing the soil is not desirable, it tends to result in a hard crust. Depending on engine power and ground conditions select the tractor speed best suited to produce the desired soil conditions with a minimum number of passes over the area.

When using tractors having a gear drive transmission, it may be necessary to declutch or use the brake.

TILLER ACTION

Two sets of mounting holes are provided in the tiller mounting frame for attaching the tiller assembly.

Use upper holes as shown for most tilling conditions.

In difficult soil conditions the tiller tends to overcome the ground traction of the tractor and propels the entire unit. Use lower mounting holes to overcome this condition. See "B", Illust. 5.

TILLER OPERATION WITH CUB CADET TRACTOR HAVING HYDROSTATIC DRIVE TRANSMISSION

When operating the tiller mounted on these tractors, follow the instructions listed below:

Engage PTO Clutch.

Lower the tiller to the desired cutting depth.

Move the speed control lever to start forward motion.

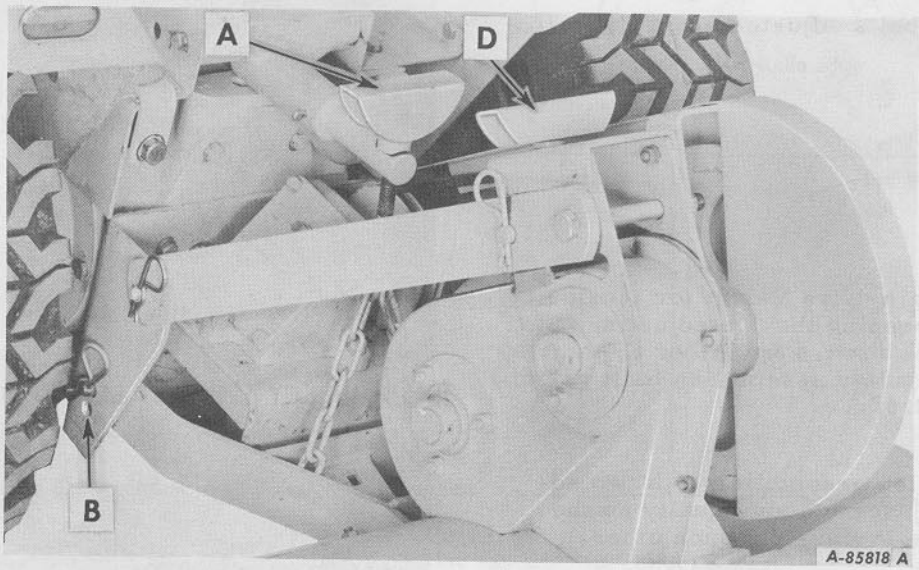
Note: In tilling application, the tractor is used to hold the rotary tiller back rather than to pull the unit as in plowing or mowing.

Move the control lever back to a position to maintain proper mulching of the soil.

It may be necessary to vary the speed control lever as soil conditions vary.

If desired depth cannot be obtained in the first pass, additional passes will be necessary. Do not use tine extensions when attempting deep penetration or when tilling heavy soil.

DEPTH CONTROL



Illust. 5
Depth control and V-belt tightener handles.

The depth control adjustment divides the amount of hitch travel up and down, between tilling depth and transport height. See "A", Illust. 5.

The maximum amount of total travel up and down is seven inches measured from under the lowest tine to ground with the tiller raised to the maximum height. Therefore, if a four-inch tilling depth is selected, then three inches remain available for transport height.

DEPTH CONTROL - Continued

To check the transport height so as to determine the tillage depth, place the tractor and tiller on level ground and pull the tractor lift handle to the full rearward position to raise the tiller. Measure the transport height. If adjustment is required, lower the tiller to the ground to relieve the load on the depth control adjustment **("A", Illust. 5).** Then adjust the tillage depth by turning the depth control handle as required.

V-BELT TIGHTENERS

V-belts must be operated with proper tension. Too little tension will permit slippage which results in shorter belt life and loss of power. If excessive slippage occurs in normal operation, tighten the V-belts as indicated below.

Always keep belts adjusted properly and free of oil.

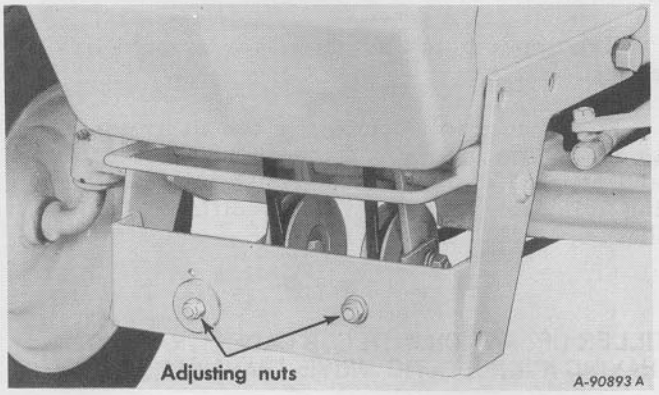
Main drive V-Belt

Adjust the main drive V-belt for tension by tightening or loosening the two adjusting nuts on assembly **(See Illusts. 6 and 6A)** or the adjusting nut on idler pulley assemblies built prior to 1968. **See Illust. 6B.**

For idler pulley assemblies with two adjusting nuts, adjust each nut equally so the idler pulleys are in line with each other.

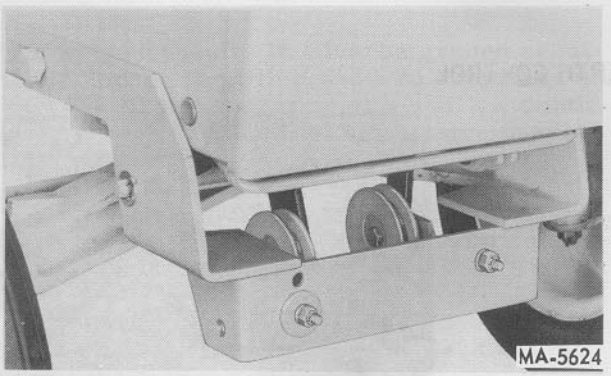
When installing a new belt, adjust until all belt slack is removed. Check sheave grooves to be sure belt is properly positioned in the grooves.

IDLER PULLEY ASSEMBLY BUILT 1968 AND UP TO SERIAL NO. 400,000



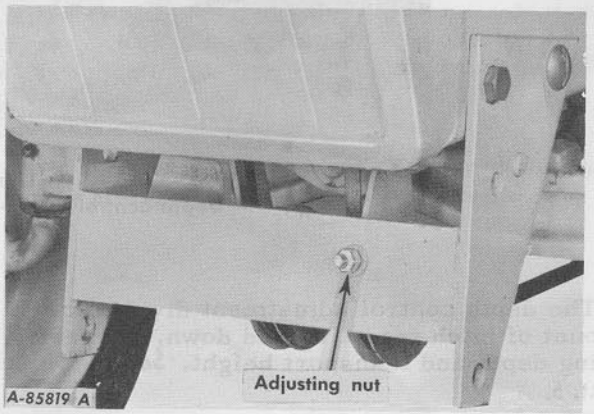
Illust. 6

IDLER PULLEY ASSEMBLY - TRACTORS WITH SERIAL NO. 400,001 AND UP



Illust. 6A

IDLER PULLEY ASSEMBLY BUILT PRIOR TO 1968



Illust. 6B

V-BELT TIGHTENERS - Continued

Main drive V-Belt - Continued

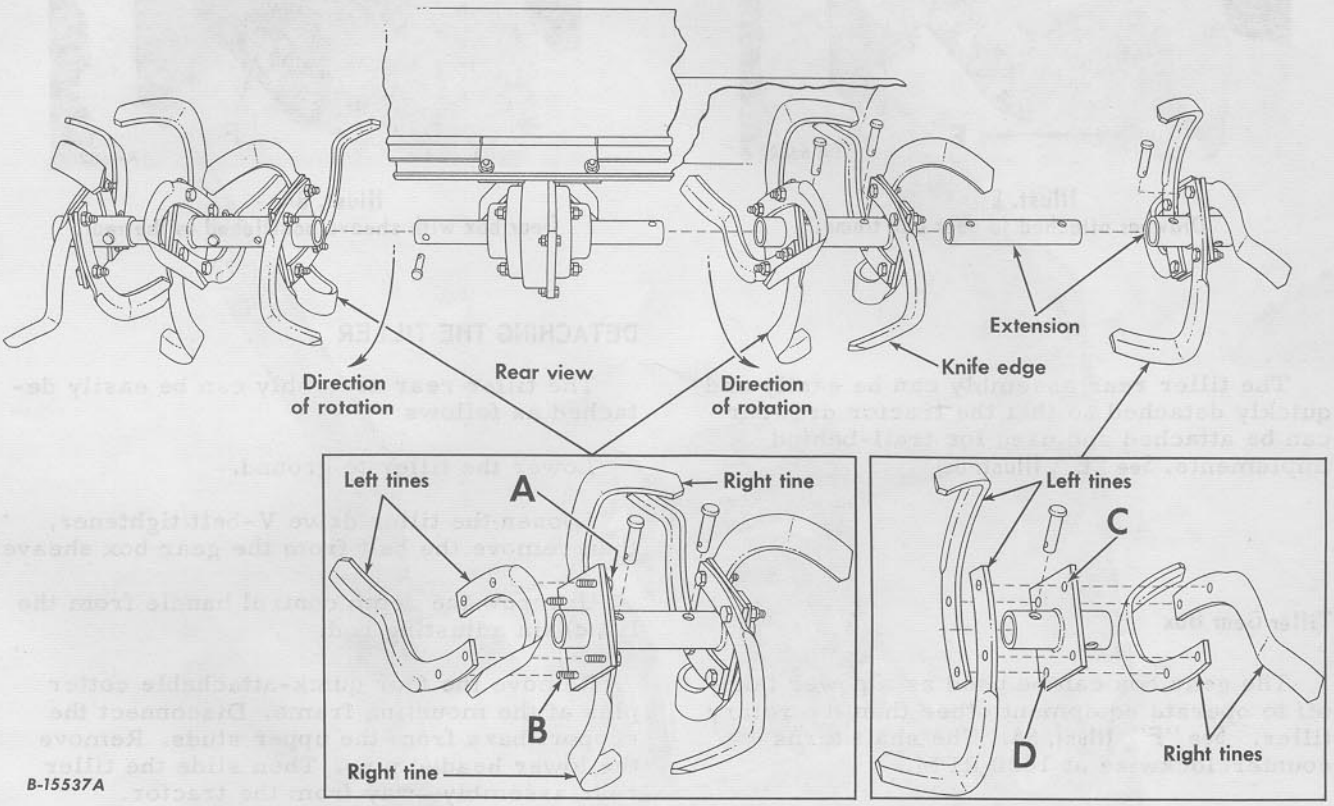
Adjust belt tightener to obtain a clearance of 2-inches between both strands of the belt with slight hand pressure at point ("J", Illusts. 13 and 13B) midway between the front idler pulleys and the rear sheave.

After the first hour of operation, belt tension must be checked and readjusted, if necessary.

Tiller Drive V-Belt

The tiller drive V-belt (gear box sheave to large sheave on chain housing drive) is adjusted by a belt tightener. See "D", Illust. 5. Adjust the belt tightener so that with a slight hand pressure on either side of the belt midway between both sheaves will depress the belt 1/8-inch.

REPLACING TINES



Illust. 7
Rear view showing proper tine assembly for correct timing.

Position tine shafts with the mounting plates having two holes "A" and "B" in line with the shaft pin hole to the left, as shown.

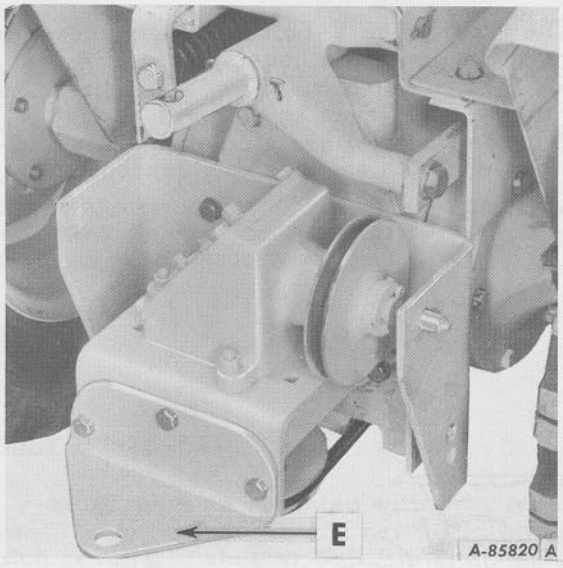
Tines are marked "Left" and "Right". Bolt the tines to the plate, the end hole of a right tine and the inner hole of a left tine goes at hole "A", the end hole of a left tine and the inner hole of a right tine goes at hole "B". Complete the assemblies as shown in Illust. 7.

For left and right extensions, position the mounting plate so the shaft pin hole that lines up with bolt hole "C" and "D" is to the left as shown in Illust. 7. Bolt the tines to the plate, the end holes of the left tines and the inner holes of the right tines goes at holes "C" and "D". Complete assemblies as shown.

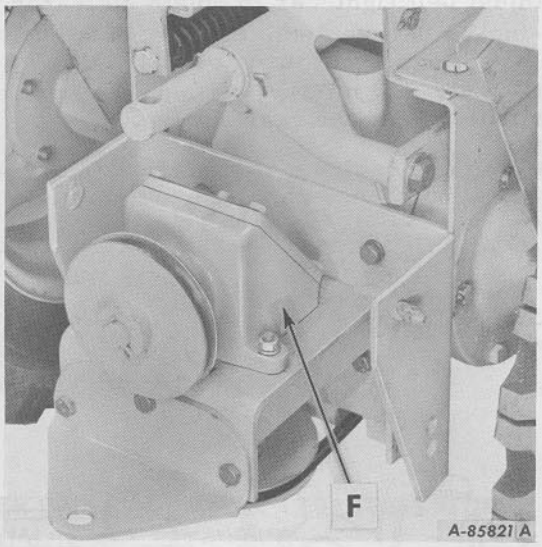
All knife edges must lead in the direction of rotation.

SPECIAL FEATURES

Tractor Drawbar



Illust. 8
Drawbar attached to gear box frame.



Illust. 8A
Gear box with sheave positioned to the rear.

The tiller rear assembly can be easily and quickly detached so that the tractor drawbar can be attached and used for trail-behind implements. See "E", Illust. 8.

Tiller Gear Box

The gear box can be used as a power take-off to operate equipment other than the rotary tiller. See "F", Illust. 8A. The shaft turns counterclockwise at 1800 RPM.

Two mounting positions are available for the gear box. It can be mounted with upper sheave to the side as shown in Illust. 8 or to the rear as shown in Illust. 8A.

The sheave can be removed and replaced by other equipment, having a 3/4-inch diameter hole.

DETACHING THE TILLER

The tiller rear assembly can be easily detached as follows:

Lower the tiller to ground.

Loosen the tiller drive V-belt tightener, then remove the belt from the gear box sheave.

Unscrew the depth control handle from the lift chain adjusting rod.

Remove the four quick-attachable cotter pins at the mounting frame. Disconnect the support bars from the upper studs. Remove the lower headed pins. Then slide the tiller rear assembly away from the tractor.

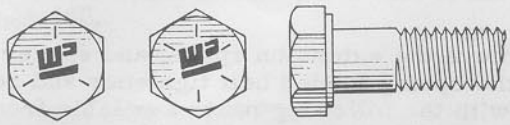
At this point, a tractor drawbar can be attached and used for trail-behind implements and the gear box can be used as a power take-off to operate equipment other than the rotary tiller.

However, if additional tiller components are to be detached, proceed in the reverse order of steps 1 to 12.

SETTING UP

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

Whenever the terms "left" and "right" are used, it should be understood to mean from a position behind and facing the machine.

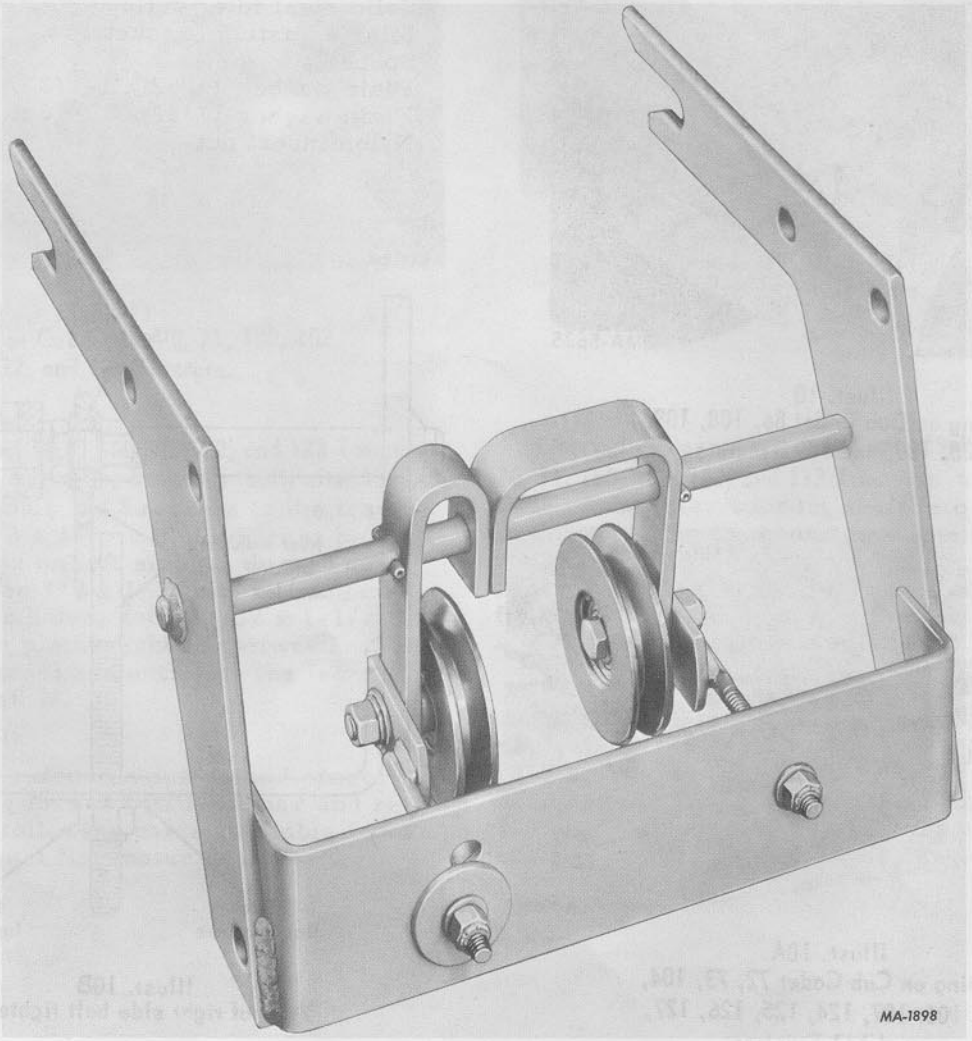


Illust. 9

Bolts furnished with machine are identified by radial lines on the head. **See Illust. 9.** Bolts without radial lines are Type 1.

IDLERS

Unless tractor is already so equipped, remove the stamped idlers and replace with solid steel idlers as shown **in Illust. 9A.** See your International Harvester dealer.



Illust. 9A

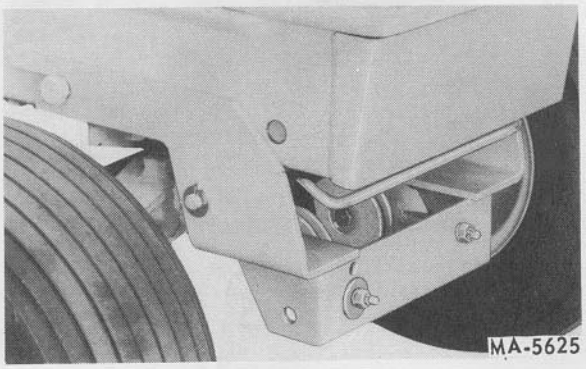
IDLER PULLEY ASSEMBLY

All tractors must be equipped with a 3-spindle rotary mower idler pulley assembly.

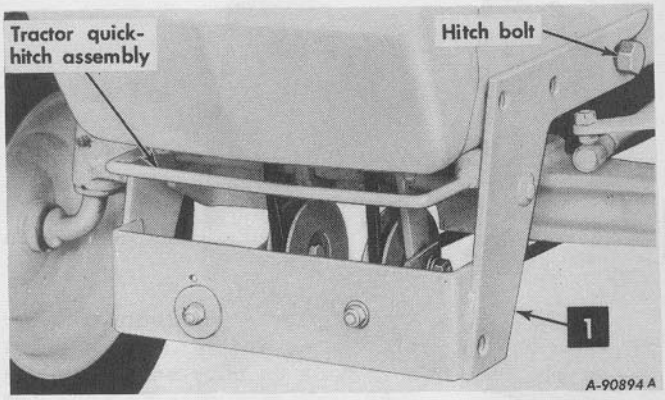
A power take-off clutch package is required for the Cub Cadet 70 and 100 Tractors.

A Three-Point Hitch Attachment is also required.

To assemble the power take-off clutch and three-point hitch refer to the instructions furnished with the package. However, do not attach the lower hitch link at this time.



Illust. 10
Mounting on Cub Cadet 86, 108, 109, 128, 129, and 149 Tractors.

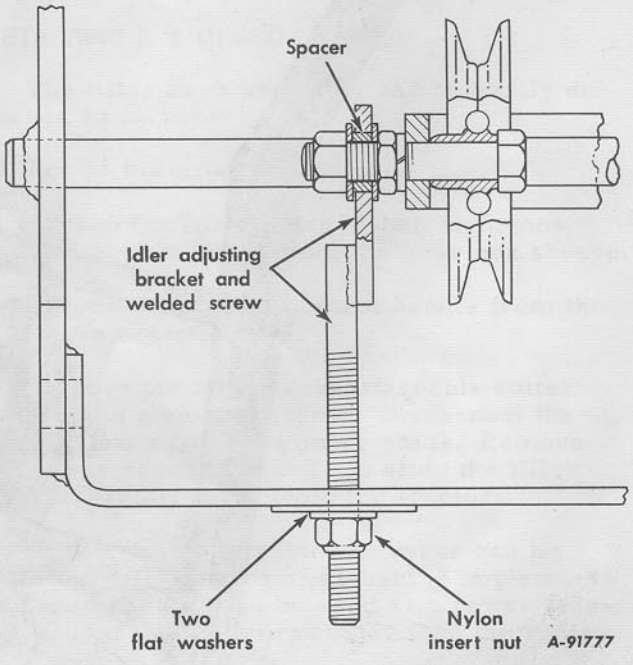


Illust. 10A
Mounting on Cub Cadet 72, 73, 104, 105, 106, 107, 124, 125, 126, 127, and 147 Tractors.

1. Cub Cadet Models 72, 73, 86, 104, 105, 106, 107, 108, 109, 124, 125, 126, 127, 128, 129, 147, and 149: Tractors must have the rotary mower idler pulley assembly latched in place on the tractor frame as shown **in Illusts. 10 and 10A.**

Remove the extension spring and spacer from the spring loaded belt tightener and replace with the following parts available from your International Harvester dealer.

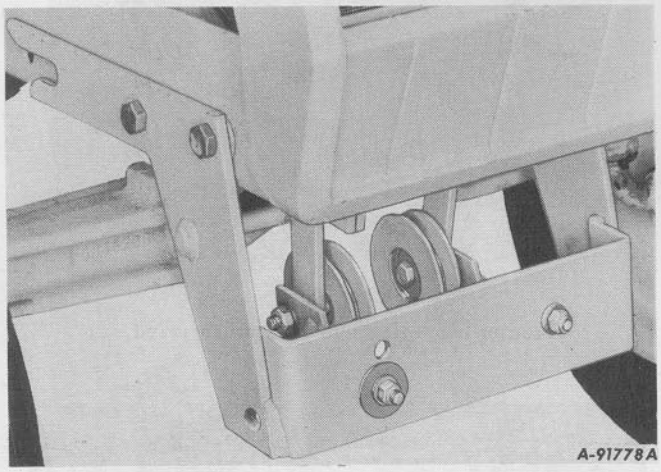
Solid steel idler pulley
Idler adjusting bracket
Spacer
Plain washer 11/32 x 1-1/2 x .119 inch
Plain washer 11/32 x 11/16 x .056 inch
Nylon insert nut



Illust. 10B
View of right side belt tightener.

IDLER PULLEY ASSEMBLY - Continued

Insert the threaded end of the welded screw in the large hole in the front cover. Place spacer in bracket hole and secure on pulley bolt using plain washer and nut previously removed. Secure welded screw loosely at front cover using large plain washer, small plain washer, and nylon insert nut in that order. **See Illust. 10B.**

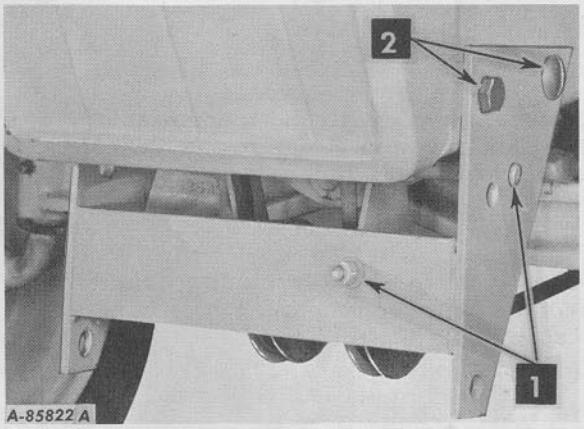


Illust. 11
Mounting on Cub Cadet 70, 71, 100, 102, 122, and 123 Tractors.

Cub Cadet Model 70,71,100,102,122, and 123 Tractors with rotary mower idler pulley assembly built after 1968 (See Illust. 11): Bolt the brackets to the tractor frame using 1/2 x 1-inch slotted truss head bolt in rear hole on left side **(as shown in Ref. 2, Illust. 11A),** three 1/2 x 1-inch hex. head cap screws in other holes, four 11/32 x 1-1/2-inch x 11 gauge plain washers (between bracket and frame) and nuts (for the front bolts). **See Illust. 11.**

Remove the extension spring and spacer from the spring loaded belt tightener and replace with the following parts available from your International Harvester dealer.

Solid steel idler pulley
Idler adjusting bracket
Spacer
Plain washer 11/32 x 1-1/2 x .119 inch
Plain washer 11/32 x 11/16 x .056 inch
Nylon insert nut



Illust. 11A
Mounting on Cub Cadet 70, 71, 100, 102, 122, and 123 Tractors.

Idler pulley assembly built prior to 1968 on Cub Cadet 70, 71, 100, 102, 122, and 123 Tractors: Insert the ends of the idler support shaft into the holes in the mounting bracket, then secure with cotter pins. Place the adjusting bolt in the hole in the idler support and into the hole in the front cover of the bracket. Secure loosely with a plain washer and stop nut. **See Illust. 11A.**

2. Bolt the brackets to the tractor frame using 1/2 x 1-inch slotted truss head bolt in rear hole on left side, three 1/2 x 1-inch hex. head cap screws in other holes, four 17/32 x 1-1/2-inch x 11 gauge plain washers (between bracket and frame), and nuts for the front bolts.

GEAR BOX MOUNTING FRAME, GEAR BOX, AND HITCH LINK

3. Remove bolts at holes "G" (Illust. 12). Apply hand pressure on transmission case rear plate, to minimize oil loss at the gasket, then remove lower hitch link and fixed drawbar (not shown) from the tractor. Screw one removed bolt, "H" in lower hole and tighten securely.

If necessary, refill the transmission case to the plug opening. Refer to the Tractor Operator's Manual under "Lubrication".

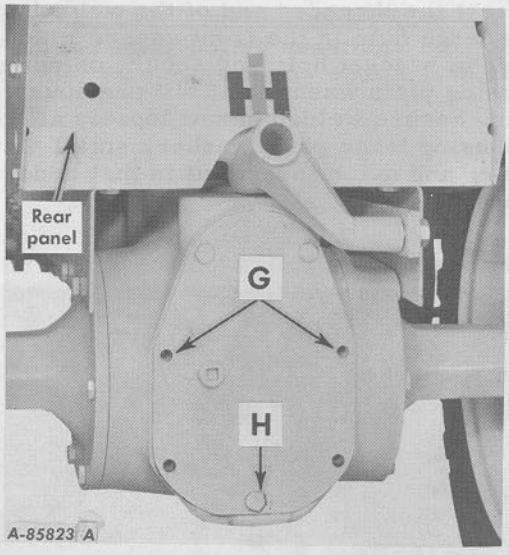
4. Bolt the gear box mounting frame to the rear case, using one 3/8 x 1 inch hex. head cap screw. See Illust. 12A.

5. Bolt hitch link in place, using two 3/8 x 1-1/4 inch hex. head cap screws.

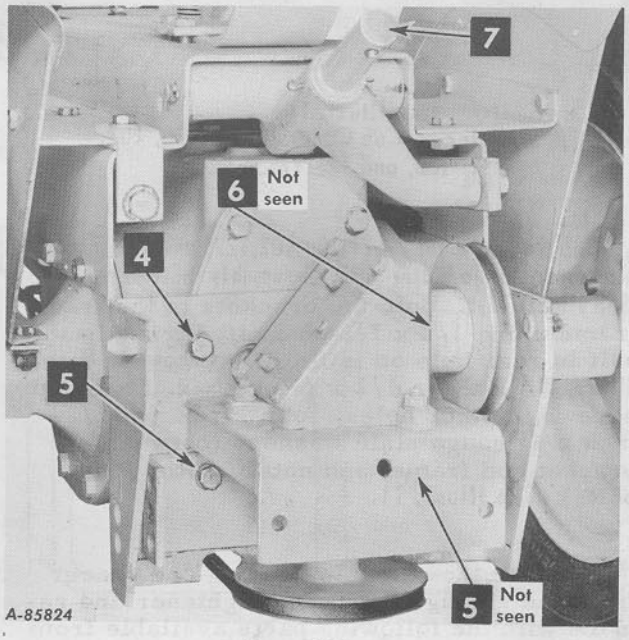
6. Install one 3/8 x 1 inch hex. head cap screw.

Note: The tiller gear box is shipped from the factory without lubricant. Before starting, fill the gear box up to the lower lever plug opening with SAE-80 oil. Refer to "ADJUSTING AND OPERATING" under "Lubrication".

7. Install hitch lift pin and secure with cotter pin.



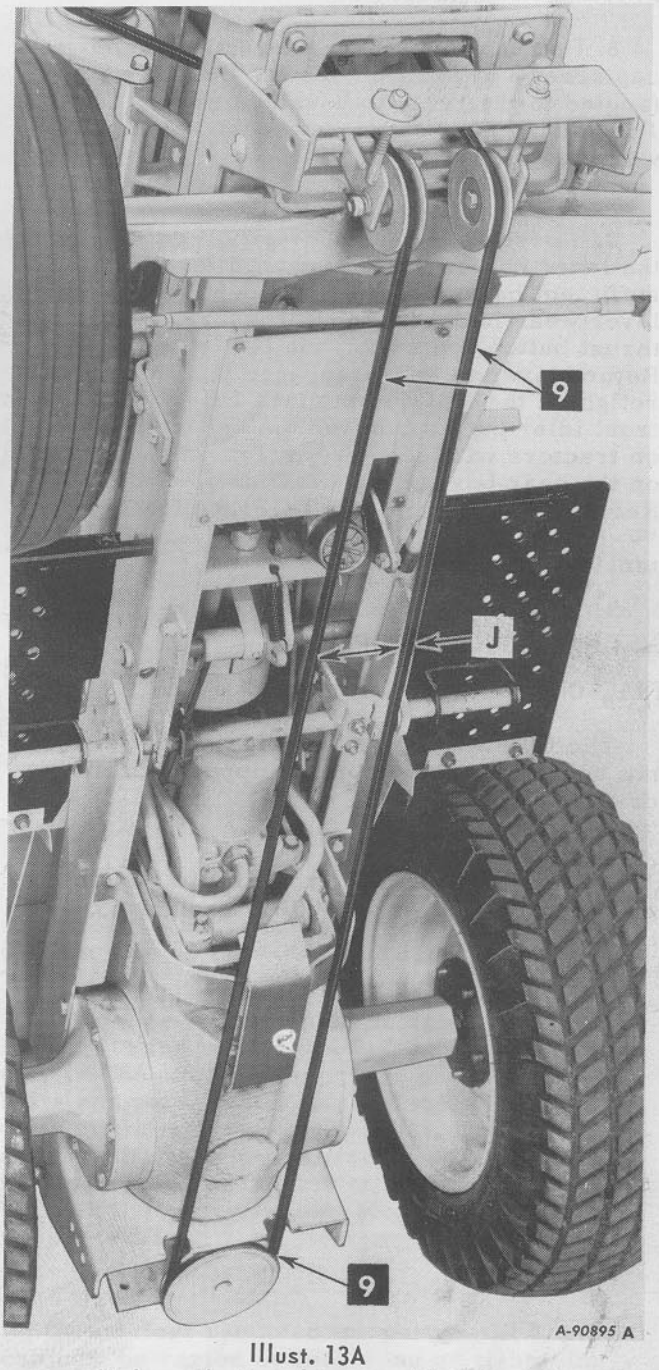
Illust. 12
Tractor hitch link and drawbar removed.



Illust. 12A
Gear box mounting frame and hitch link attached.

DRIVE BELT

Illust. 13
Underneath view of tractor with rear drive transmission showing main drive V-belt attached.



Illust. 13A
Underneath view of tractor with hydrostatic drive transmission showing main drive V-belt attached.

Continued on next page.

DRIVE BELT - Continued

8. **Tractors with gear drive transmission:** Remove cap screws at position shown. Bolt belt guide (angled to the rear) to housing, using 3/8 x 1 inch hex. head cap screws and 3/8-inch flat washers. **See Illust. 13.**

9. Loosen the clutch lever bolt enough so the lever can be moved forward to provide sufficient belt clearance between the engaging lever wear button and the pressure spring thrust button and install the belt on the pulley. Return lever to the disengaged position and retighten the bolt. Then place belt under the front idler pulleys, under the belt guide (used on tractors with gear drive transmission) and on the gear box sheave. **See Illusts. 13 and 13A.** Refer to ADJUSTING AND OPERATING under "V-BELT TIGHTENERS" and adjust belt for tension.

LIFT HANDLE HELPER SPRING

TRACTORS WITH SERIAL NO. UP TO 400,000

The following steps, 10, 11, and 12 are not required for tractors equipped with Hydraulic Lift.

10. Attach bracket to tractor lift handle shaft and secure with U-bolt. **See Illust. 15.**

Note: The leg of the bracket locates flush under the lift arm.

11. Connect lift rod to spring and insert assembly, from the rear of the tractor along the inside of the left frame; then attach end of lift rod to bracket and secure with 1/2-inch flat washer and cotter pin. **See Illust. 15.**

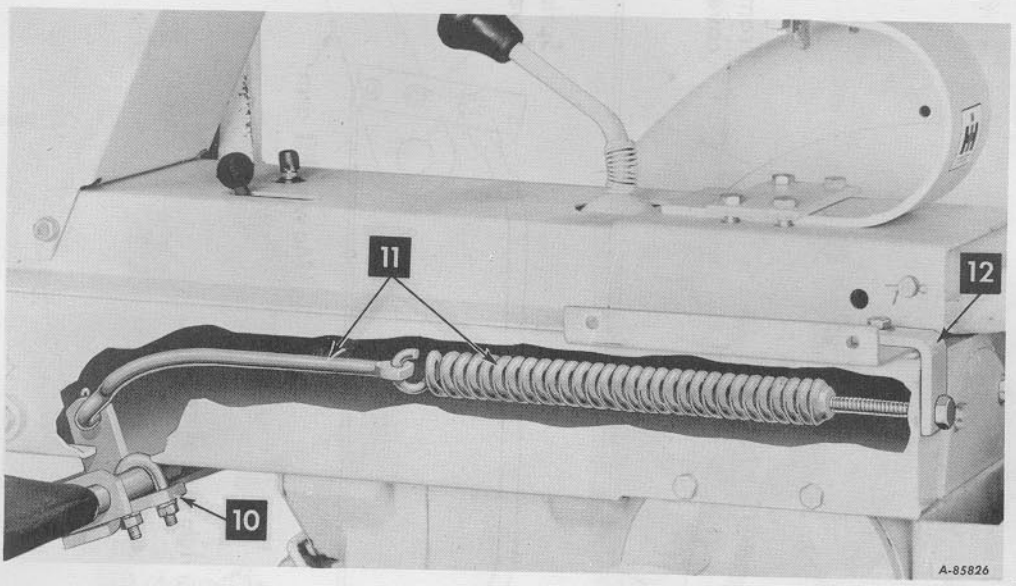
12. On the Cub Cadet 102, 104, 105, 122, 123, 124, and 125 Tractors the rear panel of the seat support must be removed so that the adjusting bolt bracket can be attached to the seat support. **See Illust. 12.**

For all Cub Cadet tractors, remove the left rear bolt from the seat assembly. Then bolt mounting bracket to seat assembly, using a 3/8 x 1 inch hex. head cap screw and lock washer. **See Illust. 15.** Insert 1/2 x 5 inch hex. head adjusting bolt in bracket hole and screw to welded nut in spring. Tighten bolt to obtain spring tension. **The lift effort can be varied by loosening or tightening the bolt.**

Reinstall rear panel on Cub Cadet 102, 104, 105, 122, 123, 124, and 125 Tractors.

LIFT HANDLE HELPER SPRING - Continued

TRACTORS WITH SERIAL NO. UP TO 400,000 - Continued



Illust. 15
View showing tractor lift handle helper spring.
For tractors with serial No. up to 400,000.

LIFT HANDLE HELPER SPRING FOR TRACTORS WITH SERIAL NO. 400,0001 AND UP

Remove the frame cover, located behind the instrument panel pedestal, so as to have access to the interior of the frame. See Illust. 15.

Assemble end of helper spring rod to the helper spring lever, within the hook shape of the lever, using a 5/16 x 1-7/8-inch headed pin, 1/8 x 5/8-inch cotter pin and 5/8-inch long spacer. Spacer to fit on pin so that it keeps the rod end alongside the short leg of the spring lever. Connect the hook end of the helper spring to the opposite end of the helper spring rod.

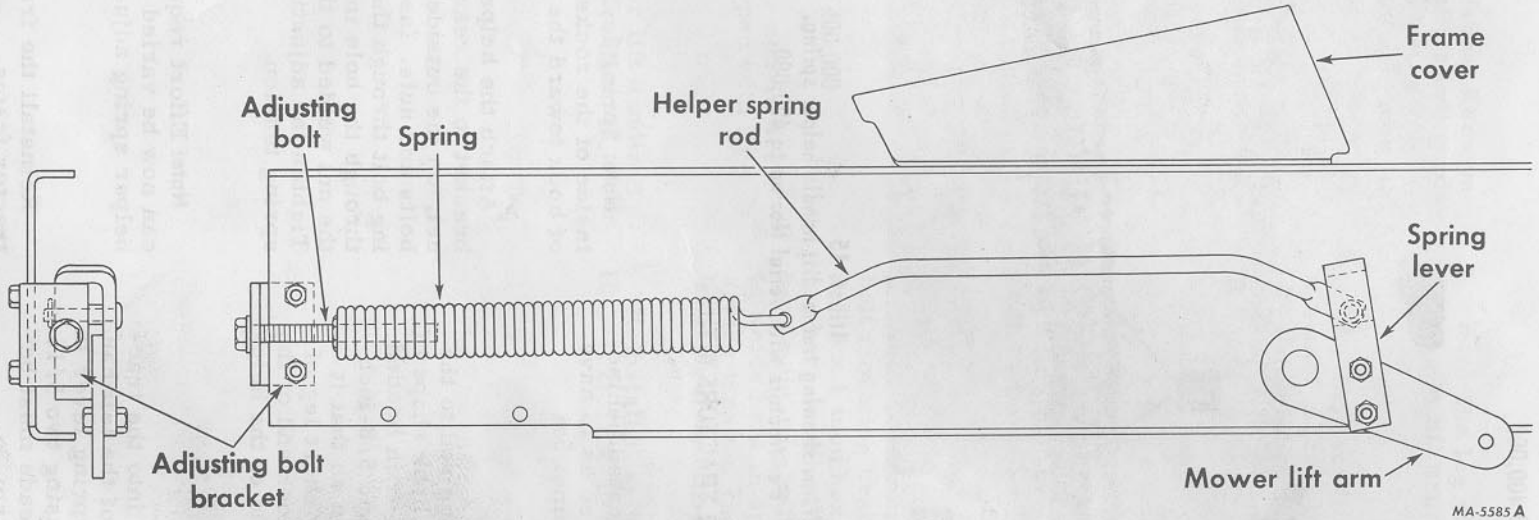
Place these connected parts into the tractor frame along the inner side of the left hand frame channel. Assemble the spring lever to the mower left hand lift arm, using two 5/16 x 7/8-inch bolts and nuts. Bolt heads must be on the outside of the left hand arm.

Note: Spring lever must be installed to the inside of the rockshaft arm with the short leg of hook toward the outside of tractor.

Attach the helper spring adjusting bolt bracket to the rear of the left hand frame channel, on the outside, using two 3/8 x 3/4-inch bolts and nuts. Insert the 1/2 x 5-inch adjusting bolt through the one inch flat washer and through the hole in the bracket and thread into the nut welded to the end of the helper spring. Tighten the adjusting bolt to obtain the desired spring tension.

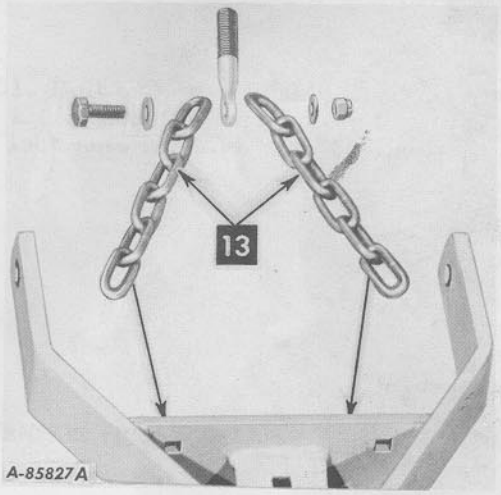
Note: Effort required to operate lift handle can now be varied by loosening or tightening helper spring adjusting bolt.

Reinstall the frame cover to the top of the tractor frame.

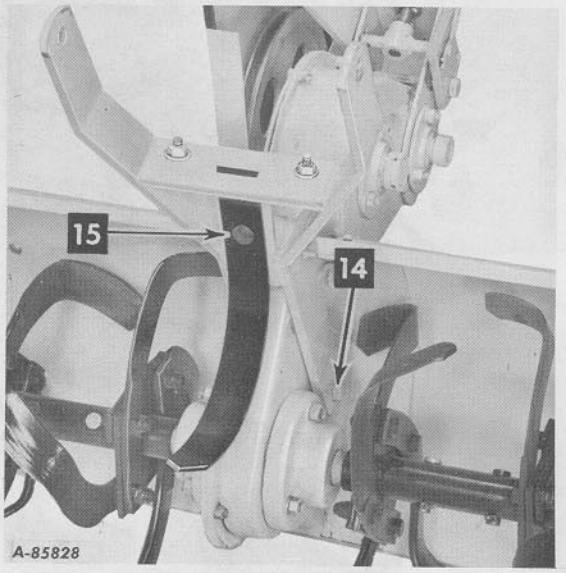


Illust. 16
View of left side of tractor frame from right side of tractor.

LIFT CHAINS, SUPPORT BRACKET, TILLER ASSEMBLY, AND CENTER TOOTH



Illust. 17
Lift chains.



Illust. 17A
Mounting frame and center tooth.

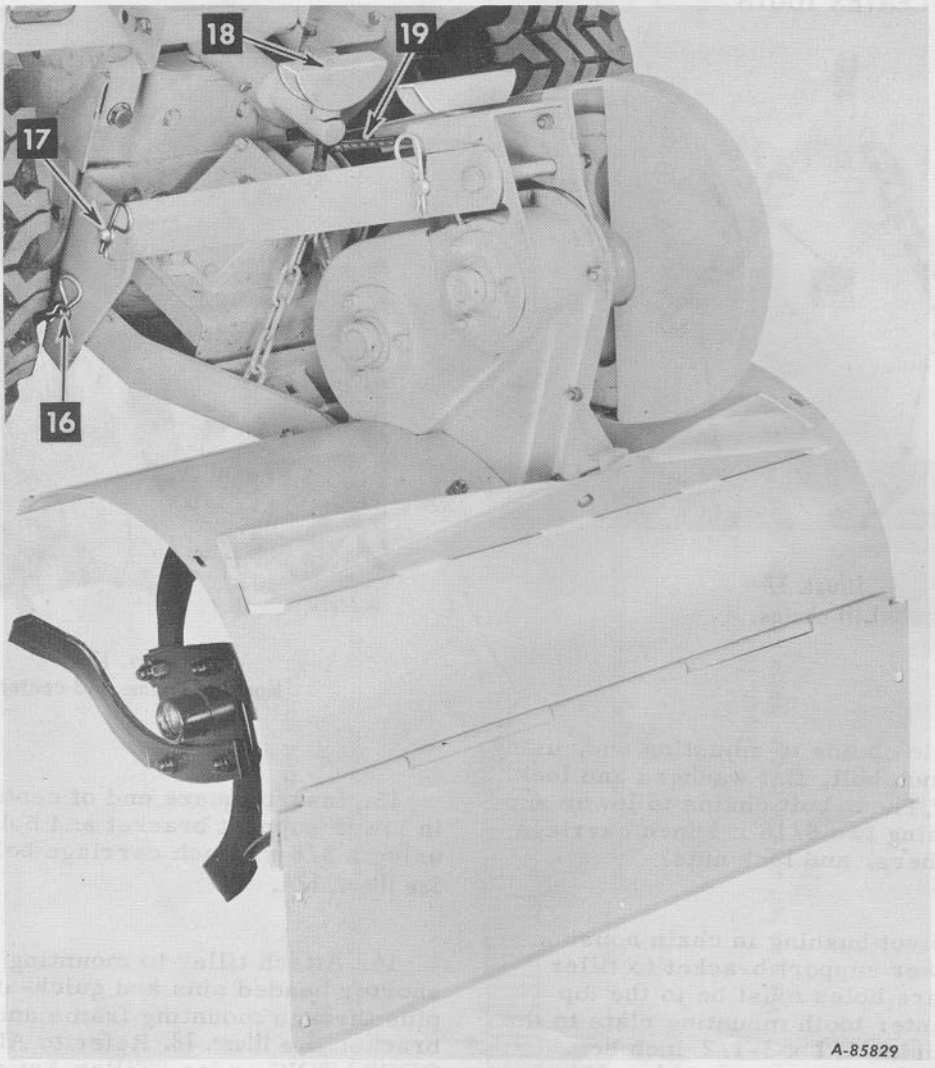
13. Assemble chains to adjusting rod, using 5/16 x 1-1/4-inch bolt, flat washers and lock nut. **See Illust. 17.** Then, bolt chains to lower support bracket using two 5/16 x 1 inch carriage bolts, flat washers, and lock nuts.

14. Insert pivot bushing in chain housing. Then attach lower support bracket to tiller assembly (square holes must be to the top side and the center tooth mounting plate to the bottom side), using 1/2 x 3-1/2-inch hex. head cap screw and lock nut. **See Illust. 17A.**

15. Insert square end of center tooth in slot in lower support bracket and bolt to plate, using a 3/8 x 1 inch carriage bolt and lock nut. **See Illust. 17A.**

16. Attach tiller to mounting frame, using shorter headed pins and quick-attachable cotter pins through mounting frame and lower support bracket. **See Illust. 18.** Refer to ADJUSTING AND OPERATING under "Tiller Action".

LIFT CHAINS, SUPPORT BRACKET, TILLER ASSEMBLY, AND CENTER TOOTH - Continued



Illust. 18

17. Attach tiller support bars to mounting frame studs using quick-attachable cotter pins. **See Illust. 18.**

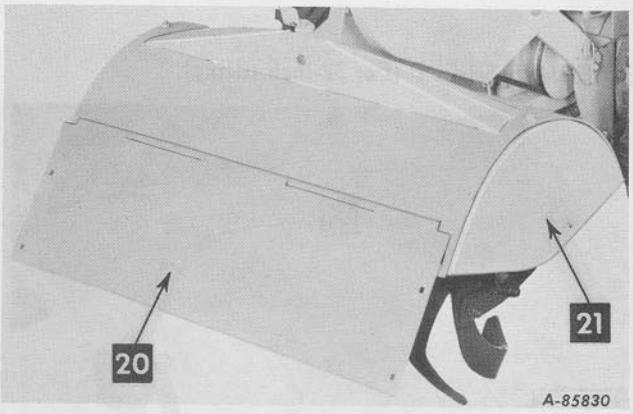
18. Push the tractor lift handle to full forward position. Insert adjusting rod through hitch lift pin and screw depth control handle to rod. Refer to ADJUSTING AND OPERATING under "Depth Control".

19. Loosen the belt tightener (**"D", Illust. 5**). Place tiller drive V-belt on gear box sheave. Then adjust the belt tension so all slack is removed. Refer to ADJUSTING AND OPERATING under "V-Belt Tighteners".

BACKPLATE AND END CAPS

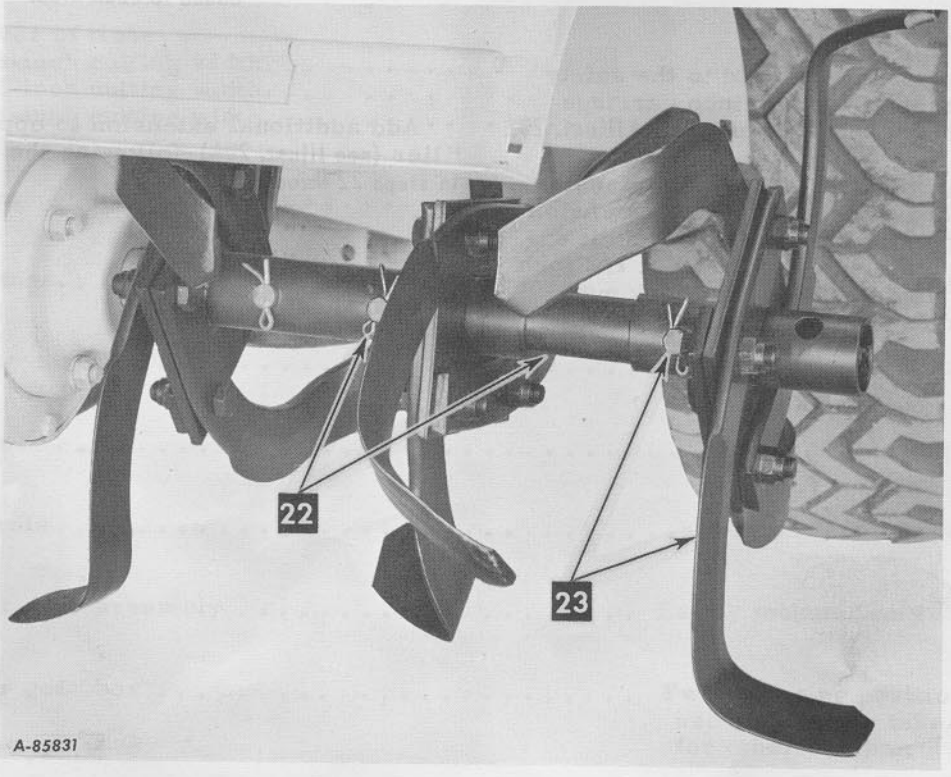
20. Attach back plate to safety shield, using long hinge rod. Open back plate and crimp outside ends of hinge to secure rod. **See Illust. 19.**

21. Bolt end caps to shield, using three 1/4 x 1/2 inch carriage bolts, flat washers, and lock nuts for each cap. **See Illust. 19.**



Illust. 19
26-inch tiller shown.

EXTENSION TINES (For 32-inch tilling)



Illust. 19A
Right side of tiller shown.

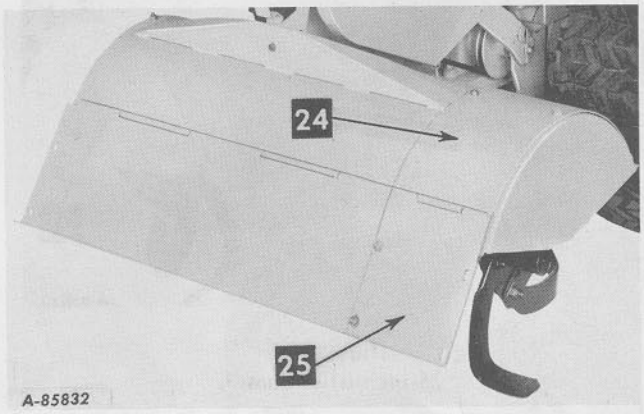
The extension can be attached to the tiller assembly either on the left or right side as desired.

22. Insert extension shaft into tine assembly, line up holes, and secure with longer headed pin and cotter pin. **See Illust. 19A.**

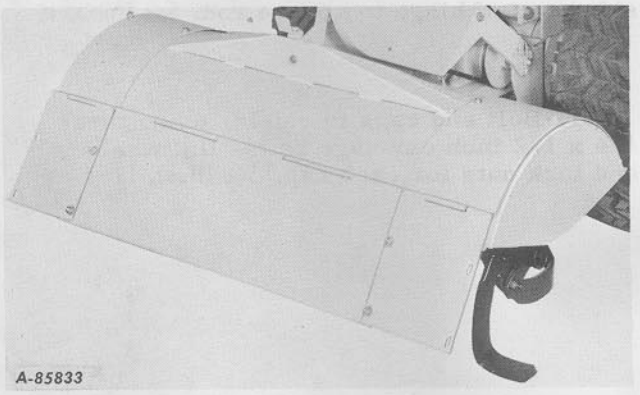
23. Attach extension tines assembly to extension shaft, line up holes and secure with longer headed pin and cotter pin.

Note: Be sure the knife edges (cutting edges) of the tines will lead in the direction of rotation. **Rotation is clockwise when viewed from the right side.**

EXTENSION SHIELD (For 32-inch tilling)



Illust. 20
32-inch tiller shown.



Illust. 20A
38-inch tiller shown - (extension added to each side.

24. Bolt the extension shield to the safety shield, using three 1/4 x 1/2-inch carriage bolts, flat washers, and lock nuts. **See Illust. 20.**

25. Attach extension plate to the extension shield, using short hinge rod. Open extension plate and crimp outside end of hinge. Bolt extension to back plate, using two 1/4 x 1/2 inch carriage bolts, flat washers, and lock nuts. Then attach end caps. **See Step 21.**

Add additional extension to opposite end of tiller **(see Illust. 20A)** following the instructions **in steps 22 through 25.**

SPECIFICATIONS

Type	Tractor rear mounted
Lift control	Manual or hydraulic
Drive	V-belt from tractor front power take-off clutch
Tilling widths	
without extensions	26-inches
with one extension	32-inches
with additional extension	38-inches
Over-all width	
26-inch cutting width	28-1/4-inches
32-inch cutting width	34-1/4-inches
38-inch cutting width	40-1/4-inches
Number of tines	
26-inch cutting width	16
32-inch cutting width	20
38-inch cutting width	24
Tilling depth (maximum)	7-inches
Bearings	Sealed
Roller chains	Enclosed in housing
Shields	Cover all moving parts
Controls	Within reach of operator
Tiller rear assembly	Easily mounted or removed
Tiller gear box	Two mounting positions for use as a power take-off for other equipment
Lift handle helper spring	Tension adjustable - reduces lift effort (also useable with other front or rear mounted equipment).
Shipping weight (approx.) (32-inch cutting width)	200 pounds

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