

STRAW CHOPPER ATTACHMENT



OPERATORS MANUAL STRAW CHOPPER ATTACHMENT

OMH65045 H7 English

OMH65045 H7

LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER

This operator's manual contains the necessary information regarding installation, operation, lubrication, adjustments and service so that you may obtain maximum service and satisfaction from your straw chopper attachment.

The straw chopper attachment can be installed on the following John Deere Combines:

- 40 - Serial No. 40-7001 and up
- 42 - Serial No. 42-4001 and up
- 45 - Serial No. 45-35001 and up

Study this manual carefully and keep it handy with your combine operator's manual for future reference.

LOCATION REFERENCE

"Right-hand" and "left-hand" sides are determined by facing in the direction the attachment will travel when in use.

"Clockwise" refers to parts turning to the right like the hands of a clock.

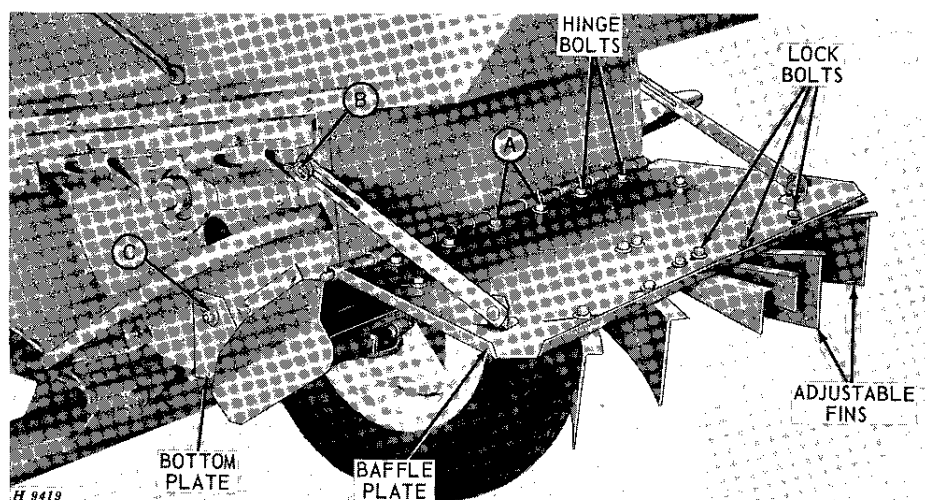
"Counterclockwise" refers to parts turning to the left.

(Specifications and design subject to change without notice.)

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OPERATION



The straw chopper chops the straw into short lengths and, at the same time, bruises it so that decomposition can take place rapidly. The adjustable fins can be adjusted to spread the material in an even, thin layer over a wide area behind the combine. They also can be adjusted to keep the material off the uncut crop.

ADJUSTING WIDTH OF SPREAD

Set the adjustable fins at the discharge end so the chopped material is spread evenly over the entire width of cut and so it does not cover uncut crop. Loosen lock bolts and hinge bolts, position fins as required, and tighten bolts. Additional width of spread can be obtained by moving inner ends of fins to slots "A."

ADJUSTING BAFFLE PLATE

The baffle plate is adjustable up and down to control the distance the chopped material is thrown. In the

highest position, the chopped material will be thrown the maximum distance; in the lowest position, it will be thrown the minimum distance. Loosen nuts at "B," both sides, position baffle plate at desired height and tighten nuts.

ADJUSTING BOTTOM PLATE

The bottom plate of the chopper housing is hinged so the chopped material may be directed against the baffle plate for most effective spreading. Loosen nuts at "C," both sides, position bottom plate at desired location, and tighten nuts.

WINDROWING STRAW IN FLAX

Remove the straw chopper from combine.

COMBINING CORN

To prevent damage remove the chopper when combining corn.

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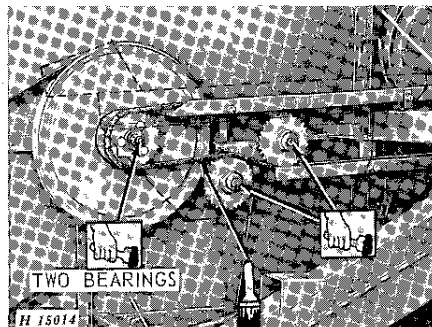
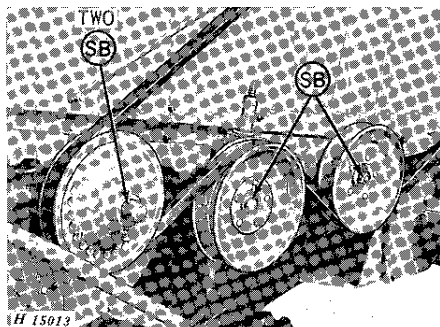
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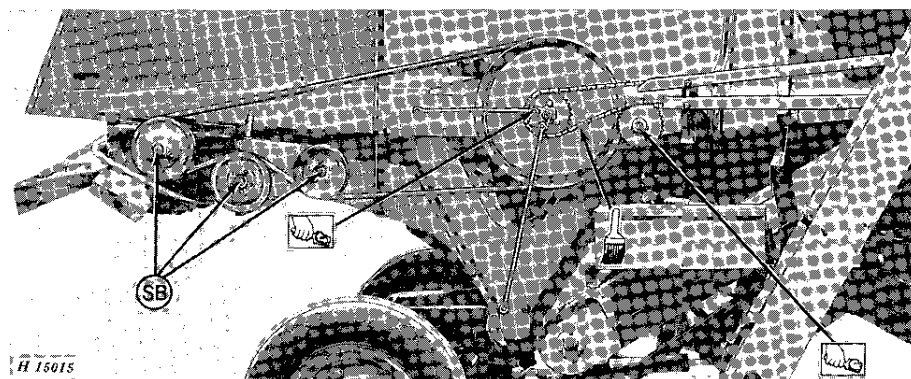
The full manual is available for immediate download.

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LUBRICATION



40 and 42 Combines



45 Combine

SYMBOLS	
 Hand Pack Every 250 Hours of Operation with SAE Multipurpose Grease.	 Brush chain with SAE 10W oil periodically. Do not lubricate chain in dusty or sandy conditions.
 Sealed Bearing—No lubrication required.	



SAFETY SUGGESTIONS



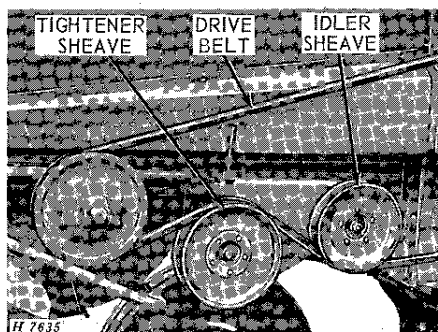
Keep shields in place at all times.

Don't stand behind straw chopper while it is running; don't allow others to do so.

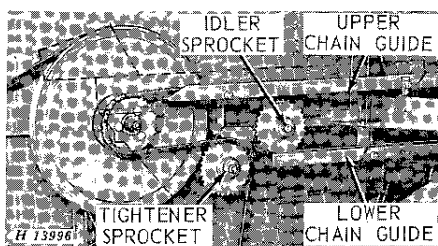
Shut off engine and disengage drive before adjusting or servicing straw chopper.

ADJUSTMENTS AND SERVICE

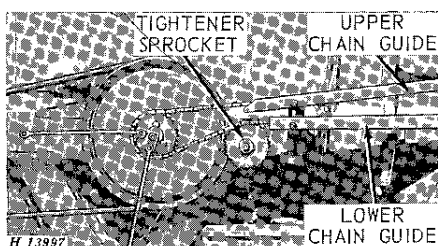
ADJUSTING DRIVE BELT AND CHAIN TENSION



Keep the drive belt tight enough to prevent slippage. Adjust belt tension with tightener sheave.



40 and 42 Combines



45 Combine

Drive chain should be just tight enough to run without climbing or jumping sprockets. Adjust as necessary with tightener sprocket and adjust wooden chain guides so that they are just under the chain.

Do not use the guides as chain tighteners.

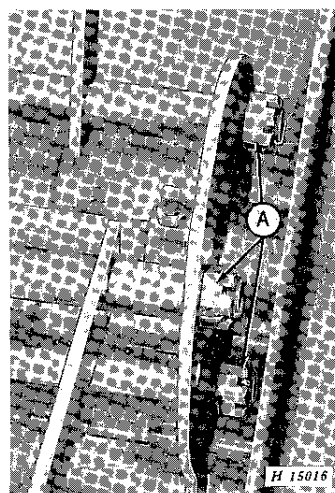
REMOVING SIEVE OR CHAFFER

It is necessary to remove the straw chopper housing from the separator to remove the chaffer and sieve. To remove the housing, remove drive belt and bolts securing housing to support plates.

ADJUSTING BLADES AND SPACERS

The straw chopper blades should be free to rotate with an absolute minimum of side play.

If the blades are not free or if they tend to stay in one position, correct as follows:



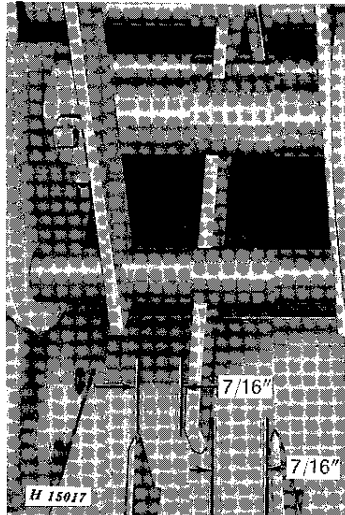
Remove cotter pin from nut "A" on one end of the hinge rod. Back off nut one castellation at a time, until all blades are free to rotate. Adjust nuts "A" on the other two rods equally.

If blades have too much side play, tighten each nut "A" an equal amount until side play is at a minimum.

After adjustments have been made, replace cotter pins.

4 Adjustments and Service

ALIGNING BLADES



Blade Alignment

The proper clearance between the rotary blades and the stationary knife sections is 7/16 inch.

If adjustment is necessary, loosen bearing locking collars and move the rotary blade assembly to obtain the 7/16-inch clearance. Tighten locking collars after making adjustment.

REPLACING BLADES

If a straw chopper rotary blade is broken or becomes damaged, it should be replaced immediately. A broken blade will unbalance the chopper and cause serious damage.

If removal of straw chopper blade is necessary, the complete assembly may be removed from housing without removing the drive shaft as follows:

Remove straw chopper from rear hood.

Remove bearing housing and left-hand hanger plate from straw chopper housing. Lift shaft up through notch in housing and remove rotor assembly from housing.

Replace damaged blades and reassemble rotor.

NOTE: Be certain to keep the proper blade and spacer arrangement. See the illustration on the following pages.

Install straw chopper housing. Check blade alignment.



**FOR YOUR OWN PROTECTION-
DON'T TAKE A CHANCE!**

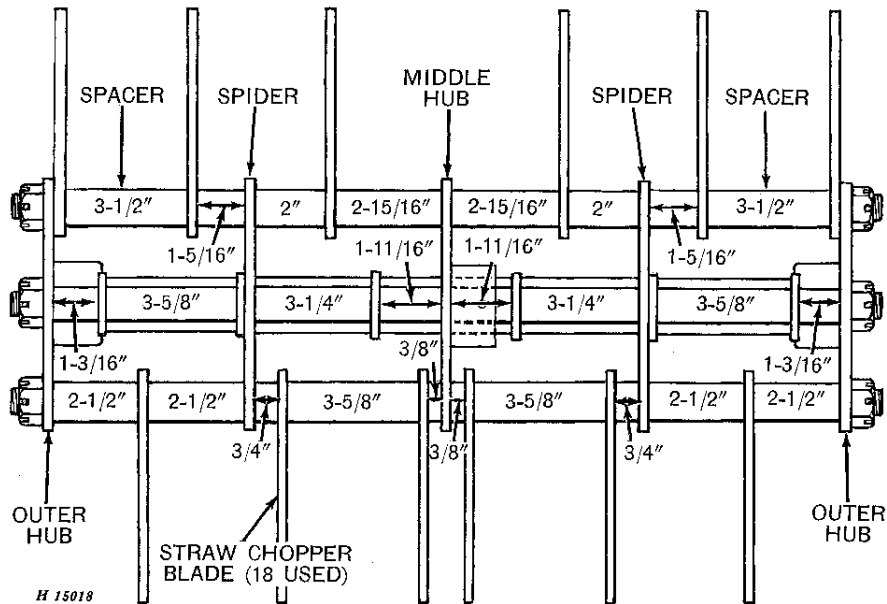


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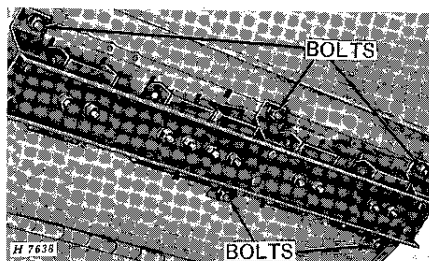
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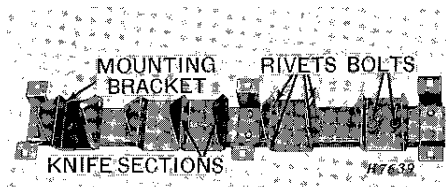


Arrangement of Straw Chopper Blades and Spacers

REPLACING KNIFE SECTIONS



Section Support Bar Installed



Knife Section Support Bar Removed

The stationary knife sections of the straw chopper should be replaced immediately if broken or badly damaged. If knives become worn, they can be reversed to prolong their usefulness. Remove bolts securing the knife section support bar and remove support bar from straw chopper. The knife sections can be reversed by the following methods.

A single knife section can be reversed or replaced by knocking out the two rivets securing it to the mounting bracket.

A pair of knife sections can be reversed by unbolting the mounting bracket from the support bar.

The entire series of knife sections can be reversed by turning the knife section support bar end for end.

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