

EDIBLE BEAN ATTACHMENT FOR JOHN DEERE 30 COMBINE



OPERATORS MANUAL EDIBLE BEAN ATTACHMENT FOR JOHN DEERE 30 COMBINE

OMH90070 (01JUN58) English

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ENGLISH



TO THE PURCHASER

The operation of your Edible Bean Attachment and the care you give it has much to do with the service and satisfaction it will give you.

This manual has been carefully prepared and illustrated to show you what to do and when to do it.

When in need of parts or service, see your John Deere dealer. His parts department is stocked to take care of your needs; his mechanics are fully informed on John Deere Service methods and will serve you promptly.

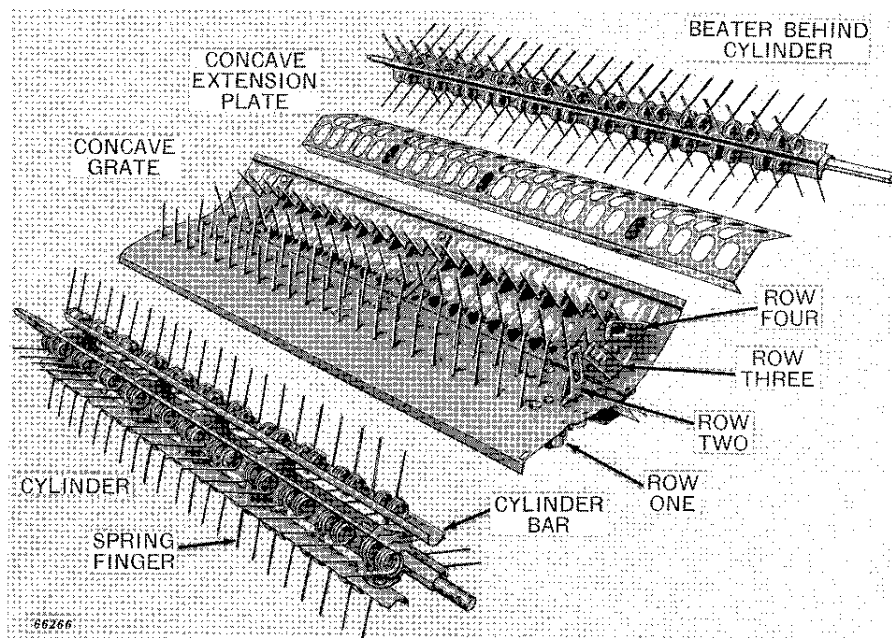
Assembly Reference: "Right-hand" and "left-hand" sides are determined by facing in the direction the machine will travel when in use.

"Clockwise" refers to parts turning to the "right" like the hands of a clock. "Counter-clockwise" refers to parts turning to the left.

Date Purchased.....19..

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Complete View of Cylinder, Grate and Beater Behind the Cylinder

SPECIFICATIONS AND DATA

Number of Spring Fingers	—44 on Cylinder —44 in Grate —44 on Beater behind Cylinder
Number of Finger Bars	— 4 on Cylinder — 4 in Grate — 4 on Beater behind Cylinder
Number of Fingers per Bar	—11 on Cylinder —11 in Grate —11 on Beater behind Cylinder

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OPERATION AND ADJUSTMENT

CYLINDER

The cylinder should be operated at between 450 and 550 rpm. This speed can be obtained by interchanging the sheaves on the gear case shaft and the cylinder shaft; that is, the 15-inch sheave should be on the cylinder shaft, and the 12-3/4-inch sheave on the gear case or engine shaft. Interchanging and adjusting the sheaves is covered in the 30 Combine Operator's Manual, OM-H61-.

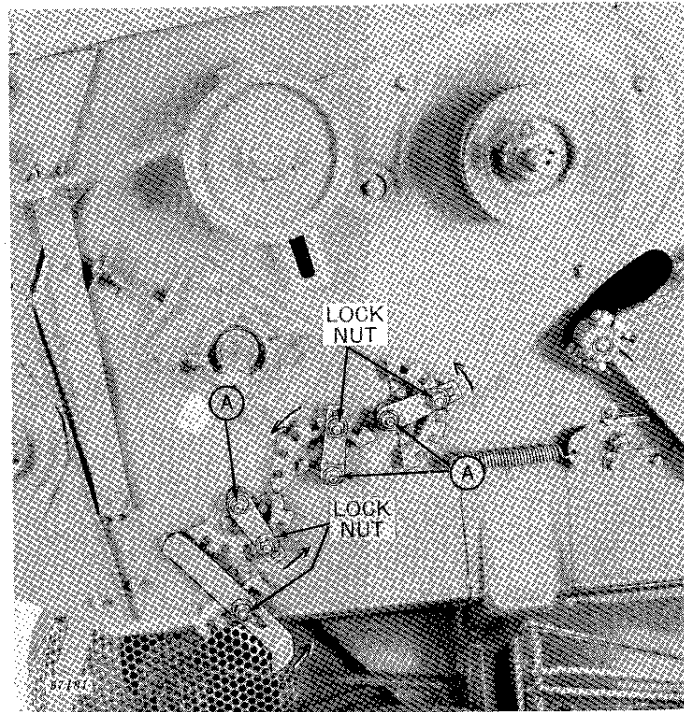
In some instances, especially when threshing large or extremely dry beans, it will be necessary to have a slower cylinder speed than can be obtained by adjusting the main drive sheaves. This slower speed can be obtained by installing a **SLOW SPEED ATTACHMENT**, which is also shown in the 30 Combine Operator's Manual.

CONCAVE GRATE

Under normal conditions, the average setting for the grate is to have the third and fourth rows of fingers down.

When threshing a tough viny crop, it will be necessary to have more aggressive action at the cylinder. This can be obtained by raising the four sets of fingers in the grate to a more upright position.

To raise the concave fingers: Loosen lock nuts on the second, third, and fourth rows and raise bolts out of slots. Place a wrench on adjusting levers "A," and turn in the direction indicated by the arrow. On the first row, loosen lock nut, drop bolt out of slot and turn lever in direction indicated by arrow. After adjustment has been made be sure bolts are in slots and lock nuts are tight.





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If winding occurs lower the first and second rows of fingers all the way down. Raise the third row three quarters of the way up and the fourth row all the way up.

Damaged beans are an indication of too aggressive action at the cylinder. Whenever this occurs, lower the fingers in the grate, starting with the rear or fourth row, until the condition is corrected. If this does not correct the condition, reduce the cylinder speed.

CLEANING SIEVE

Set the adjustable cleaning sieve about one-half open.

CHAFFER

Set the chaffer about two-thirds open.

FAN SPEED

The fan should run at 870 rpm. This speed is obtained by removing all the shims between the halves of the drive sheave on the gear case and placing 6 shims between the halves of the driven sheave on the fan shaft.

BEATER SPEED

The beater should run at 415-425 rpm.

FAN VALVES

Set the fan valves wide open.

WINDBOARD LEVER

Lock windboard lever in position at about the middle of the slot.

STRAW RACK

If long straw does not come out of hood, reinstall regular rear hanger brackets.

SPECIAL EQUIPMENT THAT MAY IMPROVE OPERATION

Slotted auger connections (3/32 x 3/4-inch). These will permit the dirt and small chaff to be separated from the beans, and drop through the perforations.