

**234 CORN ATTACHMENT
FOR 45, 55
AND 95 COMBINES
EFFECTIVE
SERIAL NO. 234-6301**



JOHN DEERE

OPERATORS MANUAL

234 CORN ATTACHMENT FOR 45, 55 AND 95
COMBINES EFFECTIVE SERIAL NO. 234-6301

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TO THE PURCHASER

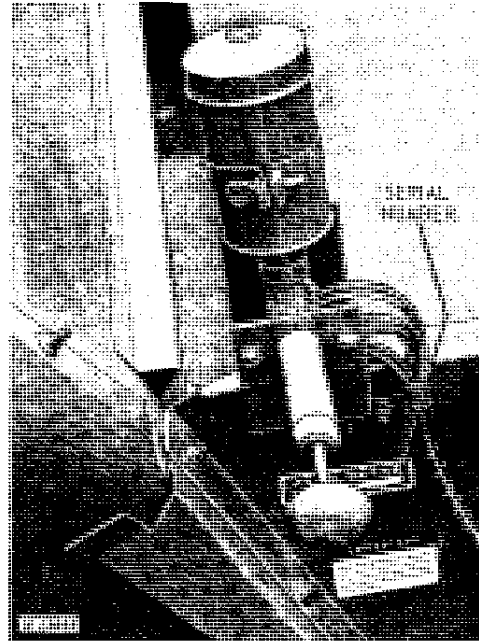
This manual contains useful information on how to operate your new John Deere 234 Corn Attachment.

A corn attachment must be built to handle a wide range of conditions. Field conditions vary from year-to-year, from day-to-day, and even from hour-to-hour. Different varieties of corn present widely different harvesting problems. A careful study of adjustments on your corn attachment and what they will accomplish under varying conditions will allow you to reap many benefits and economies that this corn attachment can provide.

Your new corn attachment will do quality work in direct proportion to the care you use in operating it. Operate, adjust and service the attachment according to the instructions in this manual.

If you need information not covered in this manual, see your John Deere dealer. He has the latest information on how to get the best service from your corn attachment and can give you prompt service in the field or in his shop.

When in need of parts, go to your John Deere dealer. He carries genuine John Deere parts for your 234 Corn Attachment. Be prepared to give him the serial number of your corn attachment and the year purchased. Record this information in the space at the right when you receive your corn attachment.



The serial number is on the left-hand side of the corn attachment, directly below the multi-luber.

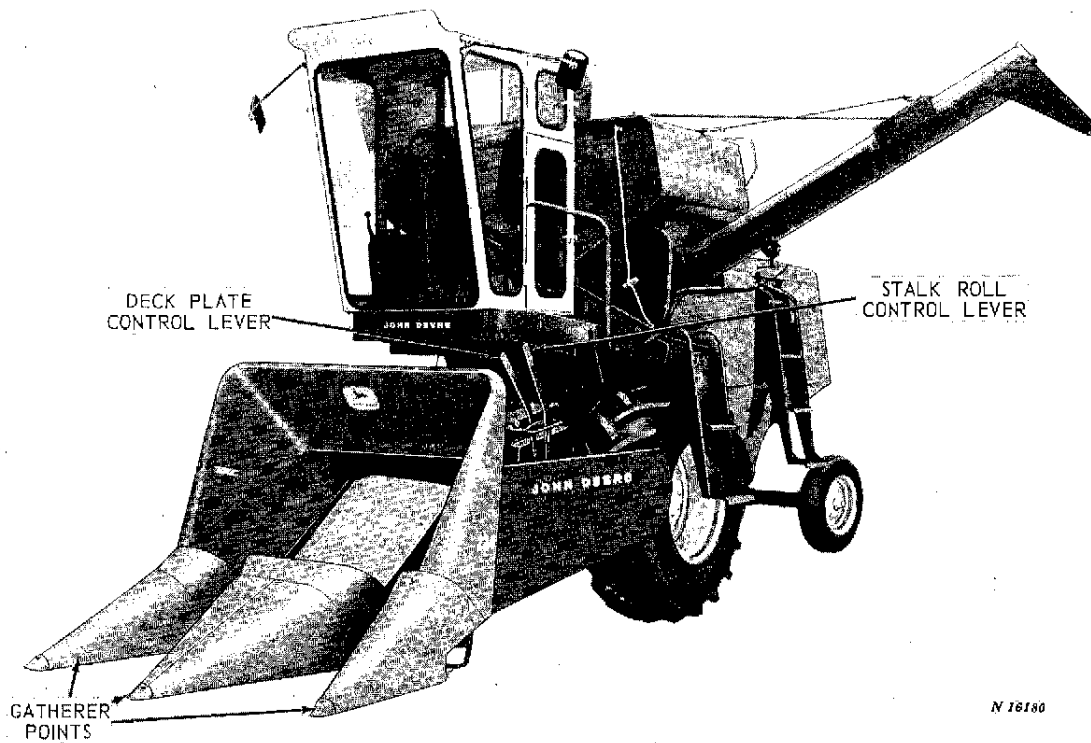
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Date Purchased



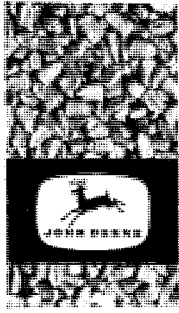
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John Deere 234 Corn Attachment on 45 Combine

N 16180



SPECIFICATIONS

John Deere Combine model
required. 45, 55, or 95

(NOTE: It is recommended that the 45 Combine be equipped with a 60 inch rear axle. It is also recommended that the 95 Combine not be used on 38-inch rows.)

Number of rows. 2

Center-to-center distance between
snapping units. 39 inches

Row widths handled. 38 and 40 inches

Gatherer points. Hinged above gatherer
chains

Number of gatherer chains per
snapping unit. 2

Type of gatherer chain. Endless steel roller
chain (no master
connecting link)

Minimum clearance between
gatherer chains and ground. 0 inches

Distance gatherer chains ahead
of fluted stalk rolls. 10 inches

Gatherer chain speed. 326 feet per minute (fpm)
regular
279 fpm and 373 fpm-
special

Length of fluted stalk rolls
less points. 30 inches

Length of stalk rolls
with points. 38-1/2 inches

Stalk roll adjustment. By operator from
combine platform

Deck plate adjustment. By operator from
combine platform

Trash paddle. Full width of attachment

Conveyor from gatherers to
combine. Cross auger and feed paddle (s)

Approximate weight of corn attachment.
234 for 45 Combine. 1780 pounds
234 for 55 Combine. 1800 pounds
234 for 95 Combine. 1830 pounds

Approximate over-all width
for storage. 6 feet, 4 inches

Approximate over-all length
for storage. 10 feet

Approximate over-all width on
55 and 95 Combines. 8 feet, 11 inches

Approximate over-all width on
45 Combine. 8 feet, 5 inches

Approximate over-all length on
45, 55 and 95 Combines. 25 feet

Attachments
Down Corn. See page 7
Corn Cob Mix. See page 16

For other attachments available for the Com-
bine, see your John Deere dealer.

(Specifications and design subject to change without notice.)



OPERATION

PROPER INSTALLATION

Be sure the corn attachment is properly installed on the combine. Improper installation can cause inferior work and damage to the corn attachment and combine. After corn attachment is completely installed, check over the entire machine, being sure shields, sprockets, chains, and all other parts are properly attached, and adjustments made as illustrated. Be sure all nuts, pins, and keys are tight and cotter pins are spread.

BEFORE OPERATION

Before putting the corn attachment in the field for the first time, lubricate it thoroughly and operate at slow speed for ten minutes, making sure that all parts are working freely. If there is no binding or heating, run at fast idle speed for approximately five minutes, if this has not already been done by the dealer. Next, go over the entire machine to be sure that all bolts are tight, and that lubricant is reaching all bearings. Be sure to check the tension of all chains.

IN THE FIELD

Take pride in doing the best work possible under all conditions. Follow the rows carefully; set gatherer points and tilt machine to pick up the down and leaning stalks; set stalk rolls so corn is not mutilated; and adjust for damp or dry corn. Adjustments are provided on the machine to meet these conditions.

ADJUST MACHINE PROPERLY

Successful operation, quality of work, and length of life of the corn attachment depend greatly upon adjusting the corn attachment and combine to meet your specific field conditions, and on proper lubrication.

After several rounds, check the adjustments to be sure you are getting the best possible sample of corn in the grain tank.

HARVEST EARLY

Early harvesting, before corn gets too dry, is one way to keep field losses low. Agricultural engineers suggest that when early maturing corn reaches 26 to 27 percent moisture, farmers with dryers can start harvesting. If you're set up to store high moisture corn, harvesting can start when corn is at 30 percent moisture.

If the corn is to be sold without drying, it is best to wait until the moisture content is down slightly below 20 percent. For safe storage in anything but an air tight silo, the moisture should not exceed 12-1/2 percent.

Early harvesting will also eliminate the troubles and disagreeable features that accompany frozen ground, extremely cold weather, and dried out, frozen, and rotten cornstalks.

DRIVE CAREFULLY

The combine should travel in the same direction that the field was last cultivated.

Listen for slipping clutches and watch for deep furrows, rocks, or other obstructions which the gatherer points may strike.

Drive the combine carefully so the corn attachment will stay on the rows. Raise the corn attachment when crossing the end of the field.

If the unit begins to plug, do not slow down the combine engine. Keep the engine at operating speed and decrease the ground speed with the variable speed control or by disengaging the foot clutch until the unit has cleared itself.

Do not use a cornstalk or stick to clean stalk rolls of an ear or trash while corn attachment is operating. If for any reason the corn attachment should become clogged, stop the combine engine and then remove obstacle. Keep hands completely away from stalk rolls while machine is in motion.

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