



10 CORN ATTACHMENT



JOHN DEERE

OPERATORS MANUAL

10 CORN ATTACHMENT

OMN36359 C9 English

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ENGLISH



FORWARD

The purpose of this book is to give you useful information on how to operate your new John Deere 10 Corn Attachment in the many field and crop conditions under which corn is grown.

A corn attachment must be built to handle a wide range of conditions. Average conditions can be handled by the standard equipment with which corn attachment is shipped. However, unusual conditions may require some special equipment. Your new 10 Corn Attachment will do a type of work directly proportional to the amount of care you use in operating it.

Field conditions vary from year to year, from day to day, and even from hour to hour. Different varieties of corn present widely different picking problems. A careful study of adjustments on your corn attachment and what they accomplish under different conditions will allow you to reap many benefits and economies that a corn attachment can provide.

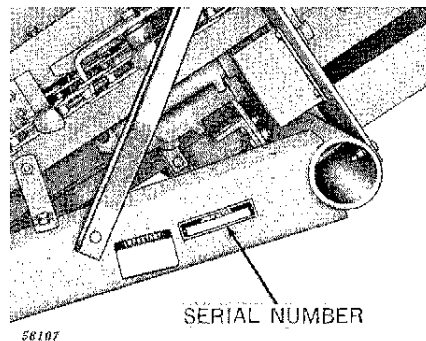
If you find you need information not covered in this manual, see your John Deere dealer. He has the latest information on how to get the best service from your corn attachment and can give you prompt "know-how" service in the field or in his shop.

When in need of parts, go to your John Deere dealer who carries genuine John Deere parts for your corn attachment. Be sure to give him the serial number of your corn attachment and the year purchased. This information should be recorded in the space provided on this page as soon as you have received your corn attachment.

Serial Number of This Corn Attachment Is:

.....
Date Purchased

You will find the Serial Number Plate on the left-hand main frame as illustrated at the right.



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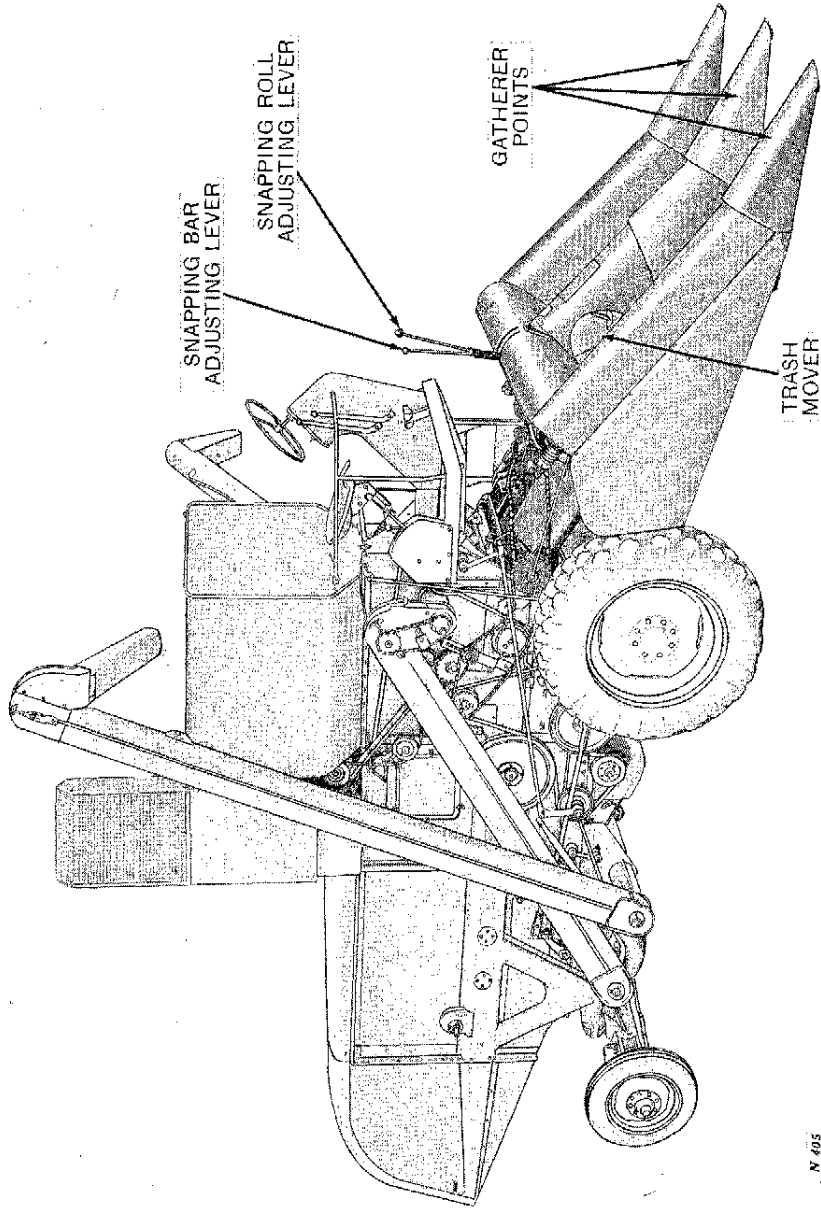
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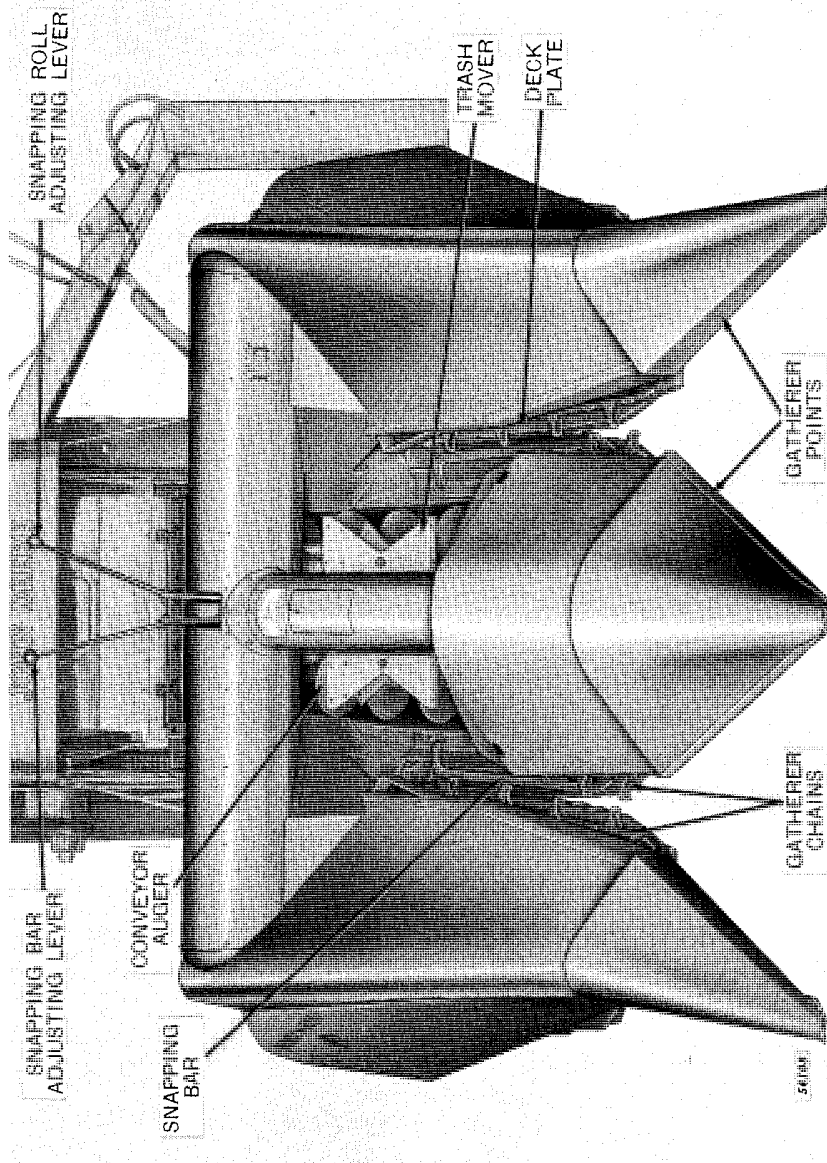
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*Right-Hand Side View of John Deere 10 Corn Attachment
on 45 Self-Propelled Combine*

N 405



Front View of John Deere 10 Corn Attachment on 55 Combine

SPECIFICATIONS

No. of rows	2
Center-to-center distance between snapping units, inches	40
Row widths handled, inches	38-42
Gatherer points hinged or rigid	Hinged
Gatherer points, high lift	24 inches at hinge point
Points hinged above or below gatherer chains . . .	Above
No. of gatherer chains per snapping unit	2
Type of gatherer chains	Steel roller chain
Minimum clearance between gatherer chains and ground, inches	0 inches and up
Distance gatherer chains ahead of snapping rolls entry, inches	16
Length of snapping rolls, inches	38
Snapping roll adjustment	Selected by operator from combine platform
Snapping bar adjustment	Selected by operator from combine platform
Type of conveyor—snapping rolls to combine cylinder	Auger
Width over-all of corn attachment	7 feet 3 inches
Length over-all of corn attachment for storage . .	9 feet 8 inches
Length over-all of corn attachment and combine	24 feet 2 inches
Approximate shipping weight	1550 lbs.

(Specifications and design subject to change without notice.)

LUBRICATION

IMPORTANCE OF LUBRICATION

The economical and efficient operation of any machine depends on regular and proper lubrication of all moving parts with a quality lubrication. This is especially true of farm equipment which must operate in hot, dusty conditions over rough ground. Neglected lubrication quickly leads to reduced efficiency, heavy draft, wear, breakdown, and costly replacement of parts.

Regular and systematic lubrication is the best assurance against breakdown and delays. It will provide better service from your corn attachment and save on your repair bills.

See that only clean lubricants go into the working parts of your corn attachment. Wipe dirt from grease gun nozzle and grease fittings before greasing. If a grease fitting is loose or not located properly, correct this. If a grease fitting is lost, replace it immediately. Lubricate all parts thoroughly, but avoid excessive lubrication. Excessive lubrication gathers dust and dirt.

Greasing the corn attachment provides an excellent opportunity to check the machine for loose nuts, missing bolts, etc. Such items can be discovered and corrected immediately, forstalling field delays.

CAUTION: Do not clean, lubricate, or adjust corn attachment or combine while it is in operation.

LUBRICATION CHARTS

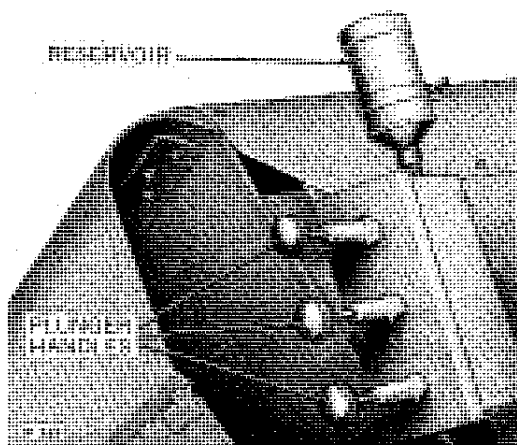
All lubrication points will be found in the lubrication charts that follow. The way the charts have been grouped organizes your lubrication work for you. Page 8 shows lubrication points that require attention every 5 hours of operation. Page 9 shows lubrication points that require attention every 10 hours of operation. Page 10 covers points that require attention every 50 hours of operation. Page 11 shows the lubrication points that require attention every 250 hours of operation. These charts have been grouped in this manner for your convenience and we ask you to follow them carefully.

MULTI-LUBER QUIK-LUBE SYSTEM

This Multi-Luber Quik-Lube system consists of one reservoir, three pumps and the necessary feed lines and connections.

The reservoir is filled and the system is primed and ready for operation when the corn attachment is shipped from the factory.

Each outlet port is connected to a grease point by a separate shielded nylon feed line tube.



Metering of the lubricant is done at the pump so that each bearing receives the same amount of lubricant under the same pressure.

OPERATION





Depress the plunger handles manually to operate the Quik-Lube system. Move each plunger inward through all outlet ports. Operate each pump on an average of at least two strokes per hour. This can be done at any interval up to 4 hours (eight strokes every four hours).

Each measuring plunger is filled from the reservoir as the spring-loaded plunger returns to its normal position.

The reservoir holds a supply of lubricant for one to two weeks of normal operation. Check the reservoir periodically to be sure lubricant is always available to the system. A dip stick in the top of the reservoir is provided for this purpose.

Refill the reservoir with John Deere Quik-Lube lubricant or its equivalent. This lubricant can be purchased from your John Deere dealer in 12-ounce cans as part AN10150N.

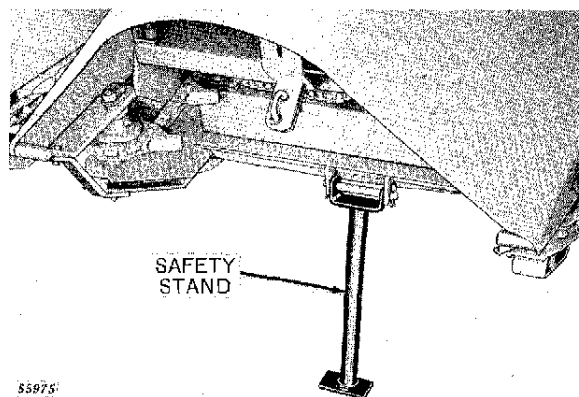
SYMBOLS FOR LUBRICATION CHARTS

		No. of Fittings
	Grease every 5 hours of operation.....	14
	Grease every 10 hours of operation.....	6
	Grease every 50 hours of operation.....	14
	Grease every 250 hours of operation or at the beginning of each season.....	5

Oil Can Points. Lubricate all clevises, linkages, and other pivot and sliding parts once each day or every 10 hours of operation with a good grade of light oil.

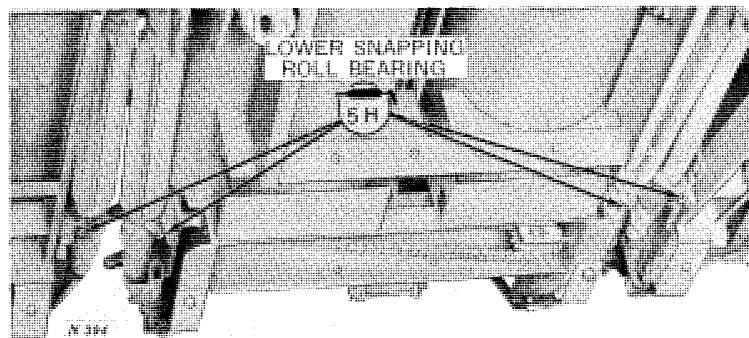
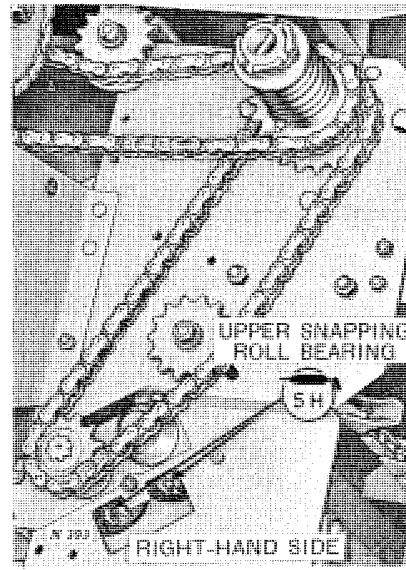
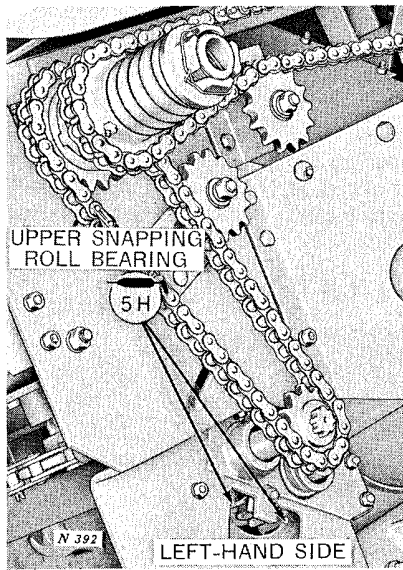
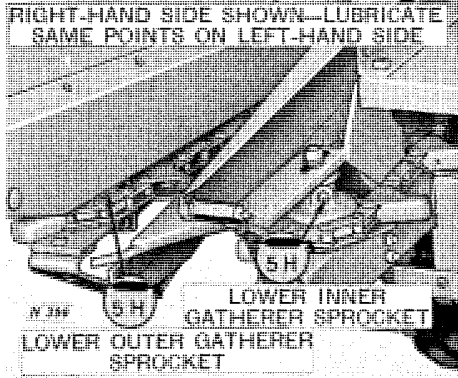
Chains. Lubricate roller drive chains daily with a good grade of light machine oil. Lubricate gatherer chains daily with a good grade of light oil. Do not oil gathering chains when operating in extremely sandy conditions. Sand will stick to the oiled chain and act as an abrasive. **CAUTION: Do not attempt to lubricate chains while corn attachment is running.**

SAFETY FIRST

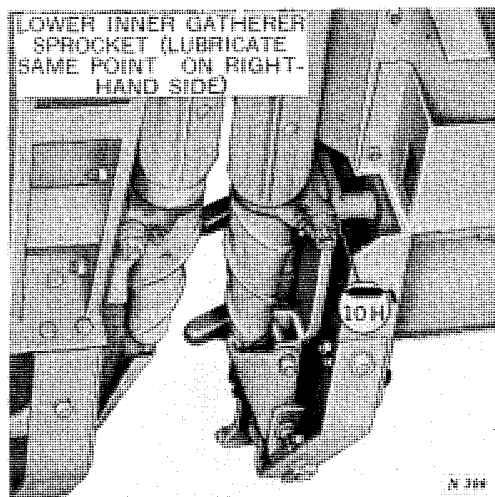
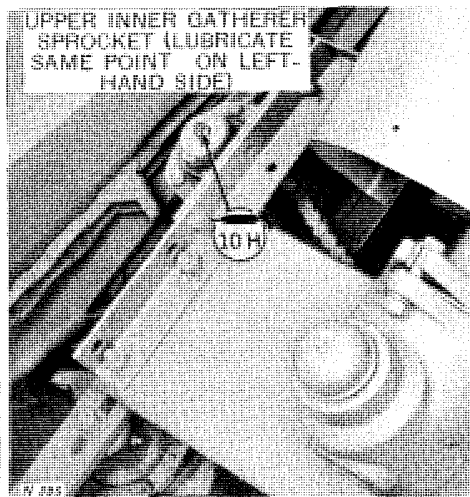
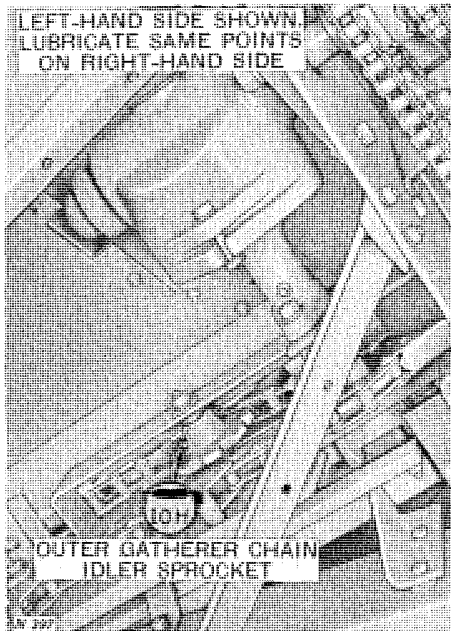


IMPORTANT—A safety stand has been provided on the front of the corn attachment to protect the operator from accident while lubricating or servicing the corn attachment. WHENEVER IT IS NECESSARY TO WORK UNDER THE CORN ATTACHMENT IN THE RAISED POSITION, THE SAFETY STAND SHOULD BE LOWERED AS SHOWN ABOVE.

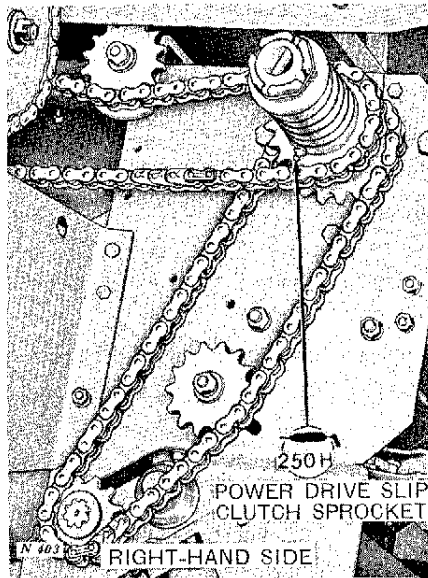
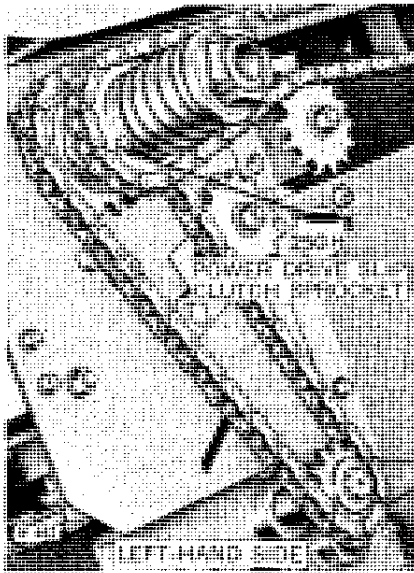
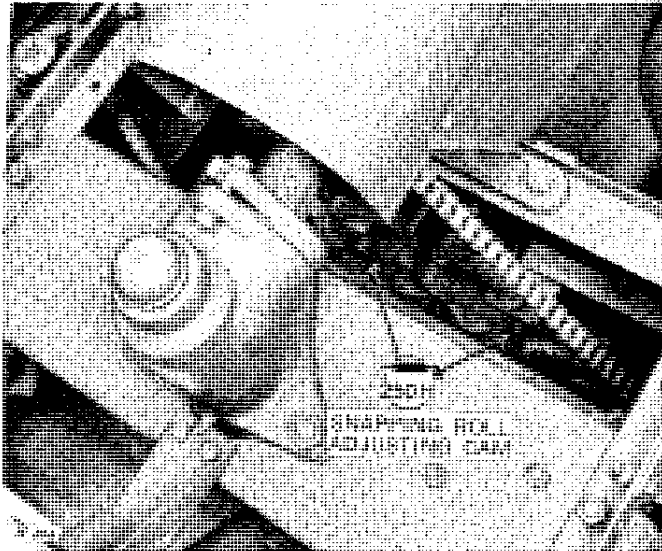
EVERY 5 HOURS OF OPERATION



EVERY 10 HOURS OF OPERATION



**EVERY 250 HOURS OF OPERATION
OR YEARLY**





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OPERATION

PROPER INSTALLATION.

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

GENERAL INSTRUCTIONS

Successful operation, the maximum saving of corn, quality of work, and the length of life of the John Deere 10 Corn Attachment depends very largely upon thorough lubrication of all chains, slip clutches, and upon making best use of the simple adjustments that are provided to meet varying crop conditions.

Harvest early. We recommend harvesting early and avoiding troubles and features that accompany frozen ground, extremely cold weather, and dried-out, frozen, and rotten corn stalks.

In average crop conditions, the corn attachment will do best work when traveling at a low rate of speed. Avoid excessive travel and combine cylinder speeds. For most crop conditions the combine cylinder should operate at 473 rpm on the 45 Combine and at 476 rpm on the 55 or 95 Combine.

Combine should travel in same direction that field was last cultivated.

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

Drive combine carefully so the gatherer points will follow the row. When crossing the end of field, raise gatherer points by tilting machine.

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