

**55
SELF PROPELLED
COMBINES
(SERIAL NO. 55
-57001 AND UP)**



OPERATORS MANUAL
55 SELF PROPELLED COMBINES
(SERIAL NO. 55 -57001 AND UP)

OMH131159 (01NOV59) English

OMH131159 (01NOV59)

LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER

The self-propelled combine you have just purchased was designed and manufactured to the traditionally high quality standards of all John Deere Farm Equipment. Your combine has been thoroughly inspected and tested, not only at the factory, but at your dealer's by a trained John Deere Serviceman. We are confident that you will receive years of dependable, economical service from your John Deere Self-Propelled Combine.

If you should find that you require information not covered in this manual, consult your John Deere dealer. He will be glad to answer any questions that may arise regarding the operation and handling of the combine. He has specialized mechanics who are kept informed on the best methods of John Deere Combine servicing, and can give you prompt know-how service in the field or in his shop.

KEEP YOUR COMBINE A JOHN DEERE COMBINE.

Genuine John Deere Parts fit properly and insure satisfactory service because they are made from the original patterns and from the same materials as used in new machines. Should your combine require replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts—accept no substitutes.

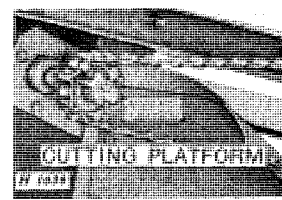
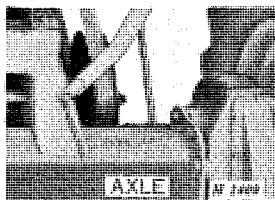
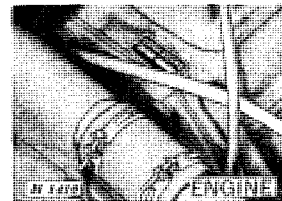
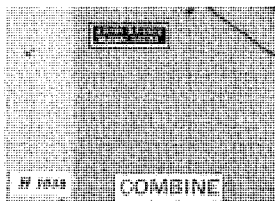


STUDY THIS MANUAL CAREFULLY, KEEP IT HANDY, IN A SAFE PLACE, FOR FUTURE REFERENCE.

SERIAL NUMBERS

Your combine, cutting platform, axle, and engine have serial numbers.

When ordering parts, always bring with you the



model and serial numbers as given on the serial number plates. By doing so, you will assist your John Deere dealer in giving you prompt, efficient service.

Record the serial numbers in the spaces provided on this page.

The combine serial number is on a plate located on the support bracket at the rear end of the fuel tank.

The engine serial number is on a plate located on top of the flywheel housing.

The axle serial number is on the top, left-hand end of the axle tube.

The cutting platform serial number is on a plate located on the outside of the right-hand platform divider.

Combine Serial No.

Engine Serial No.

Axle Serial No.

Cutting Platform Serial No.

Date Purchased

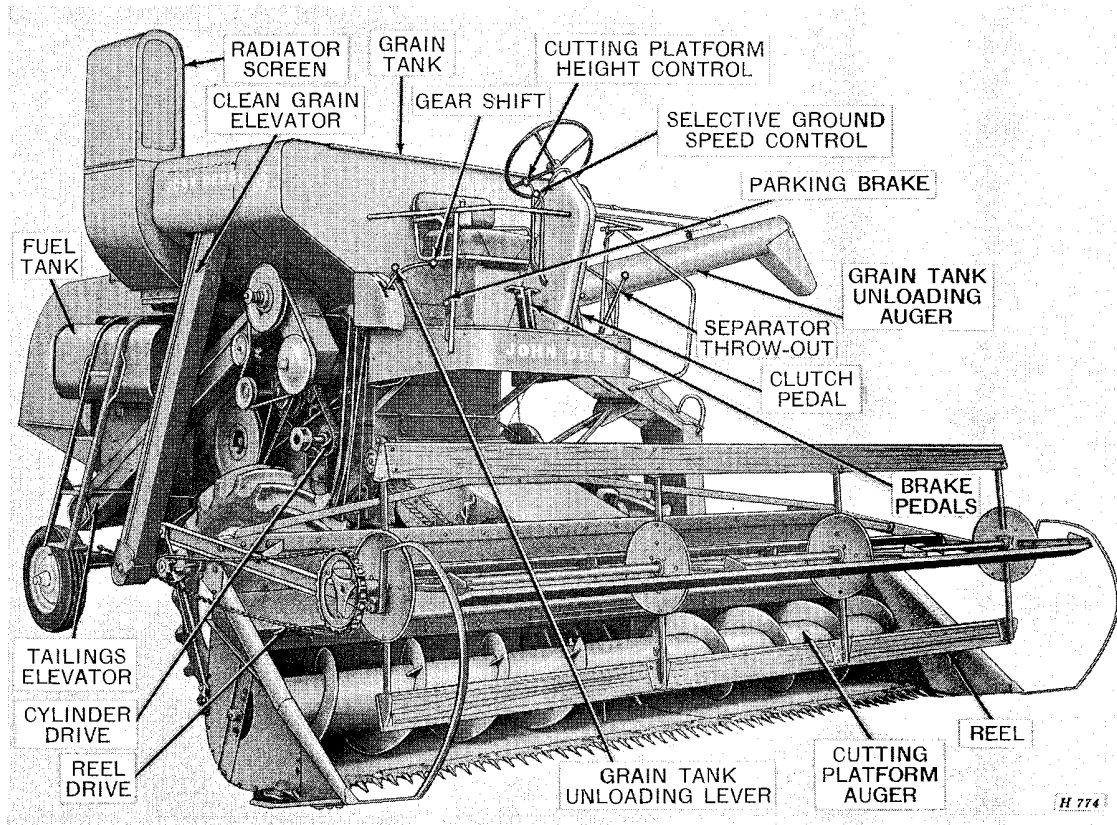
LOCATION REFERENCE.

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

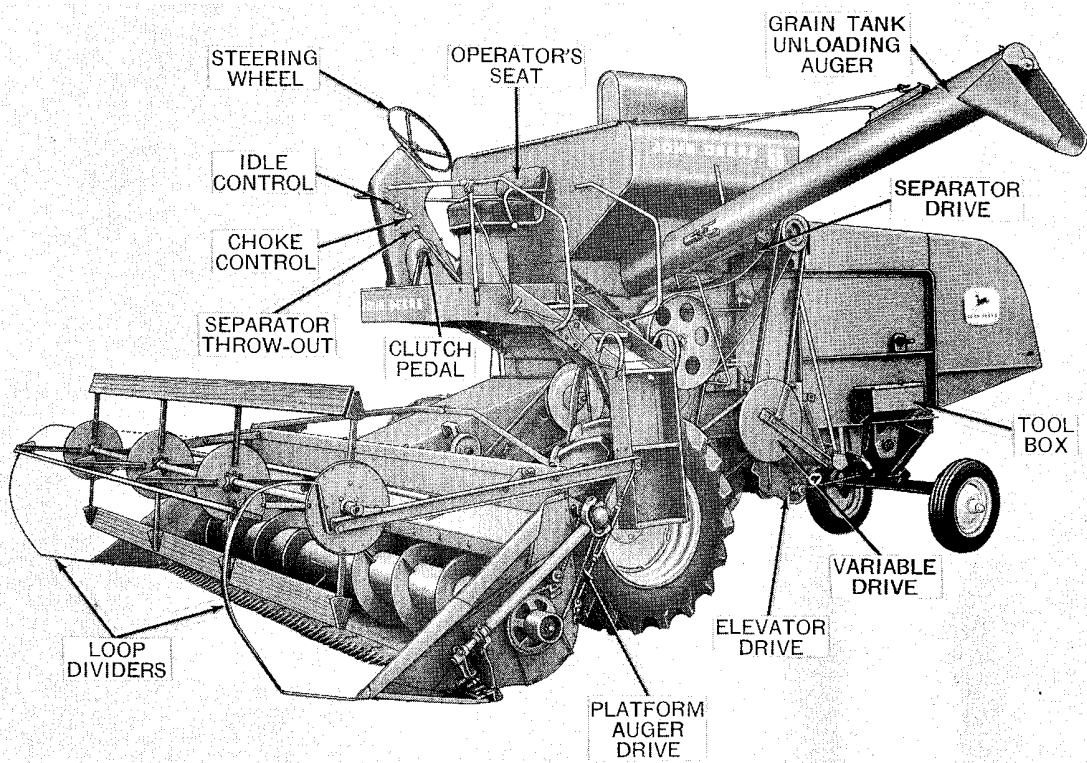
"Clockwise" refers to parts turning to the right like the hands of a clock. "Counter-clockwise" refers to parts turning to the left.

Engine Reference Only.

Timing gear end of the engine is referred to as the "front"; flywheel end as the "rear."



Right-Hand Front View—John Deere 55 Grain Tank Combine



Left-Hand Front View—John Deere 55 Grain Tank Combine

TABLE OF CONTENTS

	<i>Page</i>		<i>Page</i>
GENERAL VIEWS.....	1	Feeder Conveyor.....	54
SPECIFICATIONS.....	3-7	Cutting Platform Leveling Adjustment.....	55
LUBRICATION.....	8-18	Cutting Platform Height Range Adjustment.....	56
OPERATION.....	19-38	Cutting Platform Special Equipment.....	56
Combine Controls.....	19	Belt Pickup.....	57
Operator's Platform Hinged Ladder.....	21	Cylinder and Concave Grate.....	58
Operator's Seat.....	21	Beater Behind the Cylinder.....	69
Breaking in the New Combine.....	22	Grain Conveyor.....	70
Engine Break-In.....	22	Feed Rolls Attachment.....	73
Before Operation Checks and Adjustments.....	22	Cleaning Fan.....	74
Starting the Engine.....	22	Chaffer and Sieve.....	77
Stopping the Engine.....	23	Shoe Pitman.....	81
Starting the Combine.....	23	Clean Grain and Tailings Elevators.....	82
Selecting Proper Ground Speed.....	23	Straw Walkers.....	84
Cutting Platform Height.....	23	Straw Spreader.....	86
Speed of Various Units.....	24	Straw Chopper.....	87
Basic Settings Made at the Factory.....	25	Grain Tank Extension.....	88
Cross-Sectional View of the 55 Combine.....	26	ScourKleen.....	88
Fundamentals of Combine Harvesting.....	27	Grain Tank Unloading Auger.....	89
Operating Suggestions.....	27	Separator Drive.....	91
Slip Clutches.....	25, 41	Electromagnetic Throw-Out Clutch.....	92
Transporting.....	29	Selective Ground Speed Control.....	93
Highway Safety Lighting.....	30	Steering Mechanism.....	96
Cold Weather Operation.....	31	Clutch.....	98
Weather Brake.....	31	Brakes.....	98
Two-Row Corn Attachment.....	32	Transmission.....	99
Corn Combining Suggestions.....	32	Hydraulic System.....	100
Suggested Settings for Combining Various Crops.....	35	Care of Chains and V-Belts.....	101
Safety Suggestions.....	38	Care of Tracks.....	103
Care When the Season Is Over.....	39	Toe-In Adjustment.....	104
Care at the Beginning of the Next Season.....	40	Care of Rubber Tires.....	104
ADJUSTMENTS AND SERVICE.....	41, 107	Service Chart.....	105
Inspection Doors and Ports.....	41	ENGINE SERVICE.....	108-122
Slip Clutches.....	41	Fuel System.....	108
Reel.....	42	Carburetor.....	108
Cutter Bar.....	47	Governor.....	109
Various Speeds of Cutting Platform and Feeder.....	50	Wiring Diagram.....	111
Cutting Platform Auger.....	50	Ignition System.....	112
Cutting Platform Auger Stripper.....	52	Starting System.....	114
Beater in Feeder House.....	53	Cooling System.....	116
		Valve Tappet Adjustment.....	118
		Engine Removal.....	118
		Special Equipment.....	119
		Service Chart.....	119
		INDEX.....	123-127

SPECIFICATIONS

COMBINE

Cutter Bar

Width of
Cut.... 12 Ft., 13 Ft., or 14
Ft.

Length of
Cutter
Bar.... 11 Ft. 6 In. or 12
Ft. 6 In. or 13
Ft. 6 In.

Type of
Knife
Sections. Heavy-Duty
Over-Serrated

Reel

Drive..... Chain
No. of Slats. 4 Regular; 3, 6, or
8 Special

Dia. of
Reel.... 32 In. or 40 In.
S p e e d
Range.. 19.1 rpm to 50.5 rpm

Cutting Platform

Type of
Feed... Auger

Range of
Cutting
Height
(Grain)
(15-26
Tires).. 2-1/2 In. Below
Wheel Level to
35 In. Above

Range of
Cutting
Height
(Rice)
(18-26
Tires).. 2-1/2 In. Below
Wheel Level to
38 In. Above

H e i g h t
Control. Hydraulic (2 Rams)

Cutting Platform Auger

Diameter. 18 In.

Dia. of Au-
ger Tube. 10 In.

Type of
Auger
Fingers. Round Retracting

Cylinder

Type..... Rasp-Bar or Spike-
Tooth

Width.... 30 In.

Diameter. 22 In.

Number of
Bars.... 8 Rasp-Bars or 10
Spike-Tooth Bars
(5 Bars with 15
Teeth and 5 Bars
with 14 Teeth)

Drive..... Roller Chain

S p e e d
Range.. 196 rpm to 1190
rpm

Concave

Type..... 12-Bar Open Type
or Spike-Tooth
Type

Width.... 30 In.

Beater (Behind the Cylinder)

Type..... Drum (Spiked Type
with Removable
Covers)

Width.... 30 In.

Diameter. 12 In.

Speed.... 680 rpm

Separator

Type..... Grain Conveyor,
Straw Walker

Width.... 30 In.

Length of
Separat-
ing Sur-
face.... 140 In. (Straw
Walker Pans Ex-
tended)

A r e a o f
Separat-
ing Sur-
face.... 4,200 Sq. In.

Grain Conveyor

Type..... Slat

Drive..... Chain

Cleaning Fan

Type..... 5-Bladed Under-
shot

Drive..... V-Belt

S p e e d
Range.. 602 rpm to 858 rpm

Chaffer

Type..... Adjustable, No. 2,
No Choke, Corn,
or Petersen Ad-
justable

Width.... 28-1/2 In.

Length... 48-1/2 In.

Area.... 1,382-1/4 Sq. In.

Sieve

Type..... Adjustable

Width.... 28-1/2 In.

Length... 45 In.

Area.... 1,282-1/2 Sq. In.

Chaffer Extension

Type..... Adjustable

Width.... 28-1/2 In.

Length... 12 In.

Area.... 342 Sq. In.

Total Cleaning Area of Chaffer, Sieve and Chaffer Ex- tension....

3,007 Sq. In.

Straw Walkers

Number... Three

Width.... 9-1/2 In.

Length... 115 In.

Area.... 3,277-1/2 Sq. In.

Number of

Steps... Five

Drive.... V-Belt

Bearings.. Oil-Soaked Maple

Extension

Pans... One on Each
Walker

Grain Tank

Capacity.. 55-Bushel, Approx.
(Type and Con-
dition of Crop
Will Determine
Actual Volume)

Capacity
with
Grain
Tank
Exten-
sions
(Special
Equip-
ment).. 65-Bushel

Type of
Unload-
ing.... Hinged Auger

Brakes

Type..... Individual, Me-
chanical Disk-
Type

Transmis- sion.....

Automotive—4
Speeds Forward,
1 Reverse

Weights

G r a i n
Combine
with 12-
Ft. Cut-
ting
Platform..... 8,200 Lbs.
(Approx.)

Rice Com-
bine
with 12-
Ft. Cut-
ting
Platform..... 9,100 Lbs.
(Approx.)

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com