

John Deere

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MODEL:

45 Self Propelled Combine

S/n 11,701 - 21498

**OPERATOR'S
MANUAL**



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JD-O-OMH45957

**OPERATOR'S
MANUAL**

OM-H45-957

JOHN DEERE

This manual
contains correct
information
regarding
lubrication, operation,
adjustments, service,
and special
equipment.

**SERIES
SELF-PROPELLED
COMBINES**

(Effective Serial No. 45-11701 and Up)

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Use Only Genuine John Deere Parts

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Left-Hand Front View—John Deere 45 Combine—Grain Tank Machine

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MANUAL PREVIEW

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CLEAN GRAIN
ELEVATOR

CHOKE

THROTTLE

CUTTING PLATFORM
CONTROL LEVER

RADIATOR
SCREEN

SELECTIVE GROUND
SPEED CONTROL
LEVER

REAR
HOOD

OPERATOR'S PLATFORM
LADDER

TAILINGS
ELEVATOR

FEEDER
HOUSE

CYLINDER
DRIVE

GEAR SHIFT
LEVER

GRAIN TANK
UNLOADING LEVER

LOOP
DIVIDERS

59853

Right-Hand Front View—John Deere 45 Combine—Grain Tank Machine

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Left-Hand View—John Deere 45 Combine—Equipped with Sacking Attachment

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SPECIFICATIONS

COMBINE

Cutter Bar

Width of Cut...	8-Ft. 6-In. or 10-Ft. 6-In.
Length of Cutter Bar.....	8-Ft. or 10-Ft.
Type of Knife Sections.....	Heavy-Duty Over-Serrated

Reel

Drive.....	V-Belt and Chain
No. of Bats.....	3, 4, 6, or 8
Dia. of Reel.....	32-In. or 40-In.

Cutting Platform

Type.....	Auger
Hinged or Rigid.	Hinged
Range of Cutting Height (Grain)	2-In. Below Wheel Level to 30-3/8-In. Above
Range of Cutting Height (Rice)	3-In. Below Wheel Level to 30-3/8-In. Above
Control.....	Hydraulic

Platform Auger

Diameter.....	18-In.
Diameter of Auger Tube.....	10-In.
Type of Auger Fingers.....	Round Retracting
Bearings.....	Sealed Ball

Cylinder

Type.....	Rasp-Bar or Spike-Tooth
Width.....	26 Inches
Diameter.....	22 Inches
Drive.....	Roller Chain
Bearings.....	Sealed Ball

Concave

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

Beater

Type.....	Wing
Width.....	26 Inches
Drive.....	Belt (Flat)

Separator

Type.....	3 Straw Walker
Width.....	26 Inches
Length.....	10-Ft. 10-In.

Grain Conveyor

Type.....	Slat
Drive.....	Chain

Fan

Type.....	Radial-Flow
Drive.....	V-Belt

Chaffer

Type.....	Adjustable
Width.....	22-3/4 Inches
Length.....	44 Inches

Sieve

Type.....	Adjustable
Width.....	22-3/4 Inches
Length.....	44 Inches

Straw Walkers

Number.....	Three
Width.....	7-7/8 Inches
Length.....	105 Inches
Drive.....	V-Belt
Bearings.....	Oil Soaked Maple
Extension Pans.	One on Each Walker

Grain Tank

Capacity.....	40-Bushel
Type of Unloading.....	Hinged Auger

Brakes

Type.....	Individual, Mechanical Disk-Type
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Weights

Grain Combine with 10-Ft. Cutting Platform.....	6100 Lbs. (Approx.)
Rice Combine with 10-Ft. Cutting Platform.....	6400 Lbs. (Approx.)

TRANSMISSION

Type.....	Automotive—3	Speeds Forward
	Speeds Forward, 1	(Grain) (12-26
	Reverse	Tires) mph... 0.68 to 9.05
		Speeds Reverse
		(Grain) (12-26
		Tires) mph... 1.54 to 4.00

ENGINE

Make of Engine.	John Deere	Valve Arrange-
	HA-145	ment.....
Bore.....	3-5/8-In.	Valve-in-Head
Stroke.....	3-1/2-In.	Valve Clearance
Brake Horse-		Intake.....
power.....	45	.015-In. (When
Number of Cyl-		Cold)
inders.....	4	Exhaust.....
Piston Displace-		.015-In. (When
ment.....	145 Cu. In.	Cold)
Speed at Full		Make of Gover-
Load.....	2500 rpm	nor.....
Firing Order....	1-3-4-2	John Deere
Crankcase.....	Cast Integral with	Make of Carbu-
	Block	retor.....
Type of Lubrica-		Marvel-Schebler
tion.....	Force Feed by	Spark Plug.....
	Gear Pump to all	Champion H-10 or
	Connecting Rods,	Auto-Lite AL-7 or
	Main Bearings,	AC-45L Gap .025-
	Camshaft Bear-	In. Heat Range
	ings, Governor and	1200° to 1500° F.
	Oil Pump Drive.	Type of Fuel....
	Oil Strainer in	Gasoline (Regular
	Bottom of Pan.	Grade)

Capacities (Approx.)	Air Cleaner.....
Fuel Tank.....	1 U.S. Quart
Cooling System	Hydraulic Unit
(Radiator)....	(Including Hy-
6 U.S. Gallons	draulic Oil
Engine Crank-	Lines and Cyl-
case.....	inders).....
4 U.S. Quarts	7 U.S. Quarts
Oil Filter.....	
1 U.S. Quart	

(Specifications and design subject to change without notice)