

**"LUC" Engine
Attachment
No. 12-A Combine
(Serial No. 12-33268
and up)**



JOHN DEERE

OPERATORS MANUAL

"LUC" Engine Attachment No. 12-A Combine
(Serial No. 12-33268 and up)

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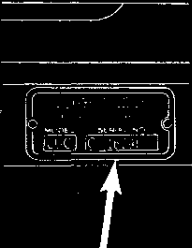
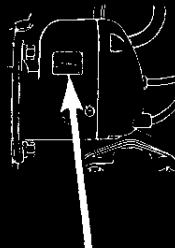
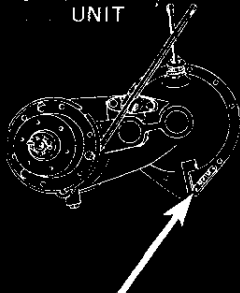



TO THE PURCHASER:

Your John Deere Combine is equipped with a high-quality Power Unit. It comes to you from one of the most up-to-date factories and is manufactured from the highest quality materials, by a staff of well-trained engineers and other craftsmen. Every part of this unit has been carefully inspected before assembly and each assembly has been carefully matched with composite assemblies in order to assure long and efficient life. It has been designed to give you sufficient power for regular usage, plus additional power for those adverse conditions which are usually present in everyday farming. It is usable not only as an integral part of your No. 12-A Combine but, with additional simple parts available from your John Deere dealer, it can be used to drive other labor-saving equipment you may be operating by less efficient methods.

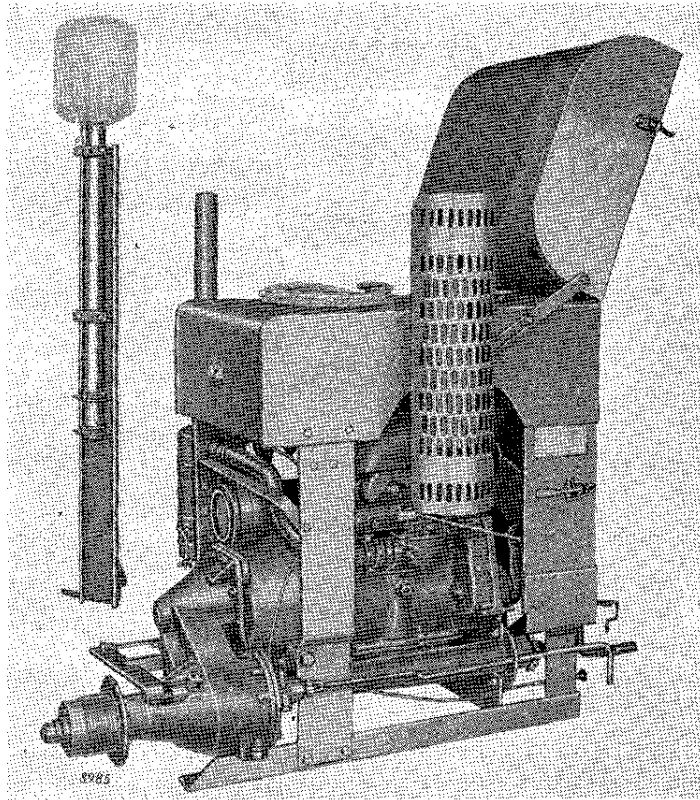
The continued satisfaction and service you receive from the Power Unit depends almost entirely upon the care used in its operation, as well as the protective maintenance it is given. This manual has been prepared carefully through consultation with engineers, as well as operators of this equipment, in order to give you all possible information to assure the efficiency you desire. We suggest you make it your guide. Study it carefully and follow the suggestions it offers. At any time additional information is desired, consult your John Deere dealer who has factory-trained servicemen available to assist you. All dealers are kept informed on additional service suggestions and carry a good supply of genuine John Deere replacement parts for your needs.

When in need of parts, be sure to give your John Deere dealer the serial number of your engine and magneto. If replacement parts are necessary for the Gear Reduction Unit or the Grain Tank Unloader Drive, the serial numbers should also be made available so that the correct parts are received. Get these numbers NOW and insert them in the spaces provided below.

ENGINE	MAGNETO	GEAR REDUCTION UNIT	GRAIN TANK UNLOADER DRIVE
			
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S P E C I F I C A T I O N S

John Deere Model

CAPACITY: 12.5 H.P. continuous load; 13.9 H.P. intermittent load; 16.5 H.P. maximum.

TORQUE: At normal governed speed, at full load—562-inch-pounds.

DRIVE SPEED: Gear reduction shaft—795 R.P.M. at rated speed.

MOTOR: Two-cylinder, vertical, cast in block; L-head; bore—3-1/2"; stroke—4". 1850 R.P.M. at rated speed. Piston displacement—77.3 cubic inches.

CRANKSHAFT: Heat-treated alloy. Bearings—2 main, each 2" dia. Removable, precision type, steel back, babbitt-lined.

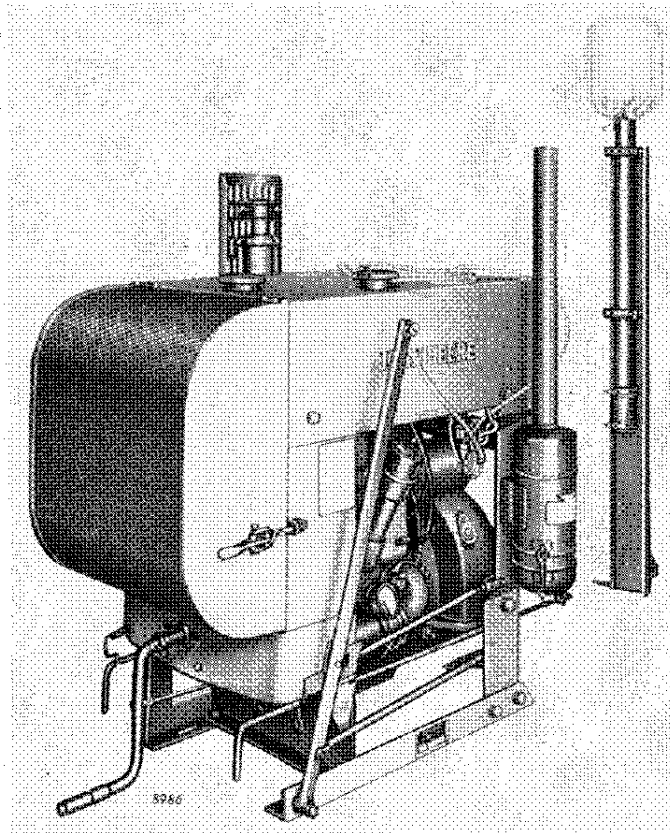
CONNECTING RODS: Special—quality drop-forged steel, heat-treated. Bearings—spun babbitt; 1-3/4" dia.; 1-1/8" long.

GOVERNOR: Enclosed flyball type with ball thrust bearing.

CARBURETOR: Updraft type with fixed power jet and adjustable idle jet.

IGNITION: High-tension magneto with enclosed automatic impulse.

AIR CLEANER: Heavy-duty type, oil bath, with prescreener.



A N D D A T A

LUC'' Power Unit

LUBRICATION: Force-feed pressure system. Drilled crankshaft.

OIL CAPACITY: 3 quarts in crankcase.

COOLING SYSTEM: Thermo-siphon.

RADIATOR CAPACITY: 2-1/2 gals.

FUEL TANK CAPACITY: 8 gals.

FUEL: Regular gasoline.

FUEL FEED: Gravity.

CLUTCH: 8-1/2'' single dry plate.

OVER-ALL DIMENSIONS: Length—47''; width—28''; height—41''.

REGULAR EQUIPMENT: Engine house, governor, magneto, carburetor, fan, flywheel housing, clutch, crankcase breather and cleaner, radiator, 8-gal. fuel tank, air cleaner, oil pressure gauge, gasoline filter, starting crank, muffler, gear reduction unit, and necessary attaching and operating mechanism for use on combine.

APPROXIMATE WEIGHT: 438 lbs. (Shipping weight 480 lbs., engine only.)

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