

LP-Gas Engine for 55 and 95 Combines



JOHN DEERE

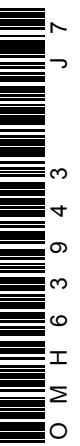
OPERATORS MANUAL

LP-Gas Engine for
55 and 95 Combines

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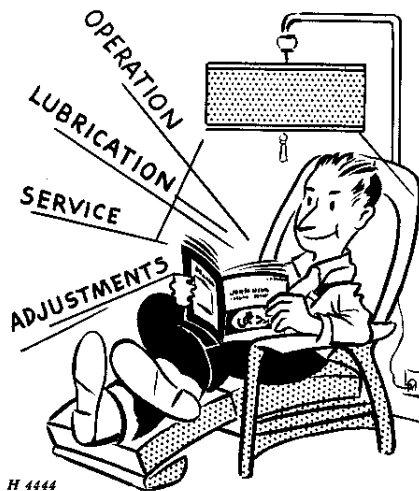




TO THE PURCHASER

The instructions in this manual supplement those in your regular combine operator's manual. This manual contains only the information for your LP-Gas engine and related parts which is different from information for the regular gasoline engine.

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



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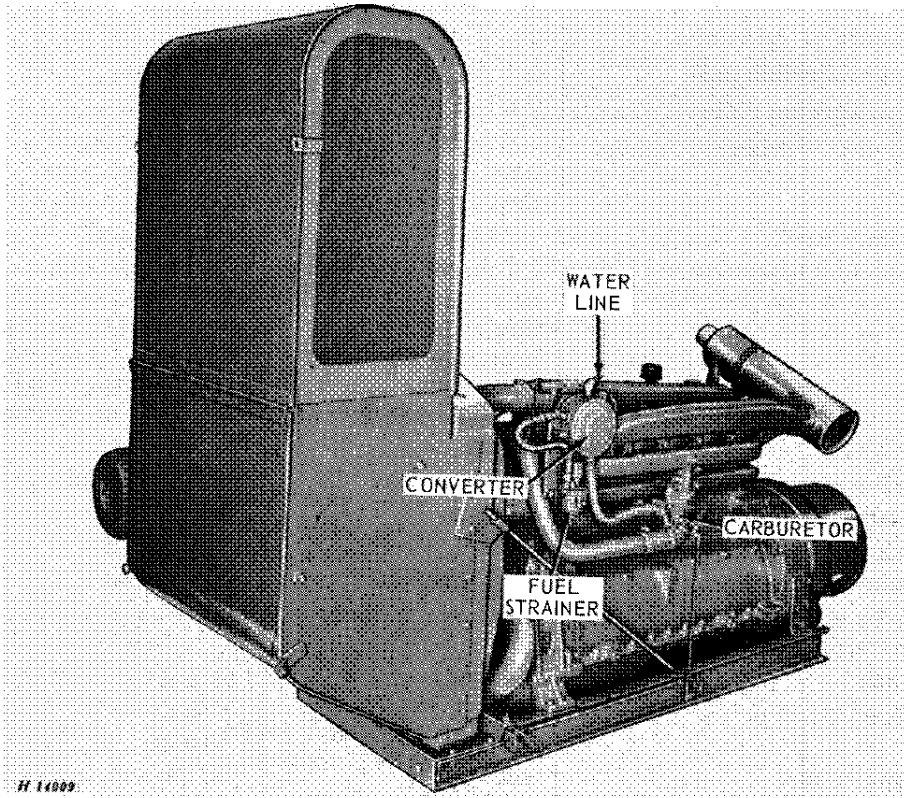
Study this manual carefully, keep it handy with your regular combine operator's manual, in a safe place, for future reference.

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SPECIFICATIONS



11 14009

HA303L Engine

(Specifications and design subject to change without notice.)

2 Specifications

	55 Combine	95 Combine
Make of engine	John Deere HB303L	John Deere HA303L
Bore	3.86 in.	3.86 in.
Stroke	4.33 in.	4.33 in.
Brake horsepower	72* 78* (hydraulic drive)	90*
Number of cylinders. . .	6	6
Piston displacement. . .	303 cu. in.	303 cu. in.
Compression ratio. . . .	7.6 to 1	7.6 to 1
Speed at full load.	1900 rpm 2200 rpm (hydraulic drive)	2500 rpm
Firing order.	1-5-3-6-2-4	1-5-3-6-2-4
Type of lubrication. . . .	Force feed by gear pump to all connecting rods, main bearings, and oil pump drive, oil strainer in bottom of pan	Force feed by gear pump to all connecting rods, main bearings, and oil pump drive, oil strainer in bottom of pan
Valve arrangement. . . .	Valve in head	Valve in head
Intake valve clearance .	.014 in.	.014 in.
Exhaust valve clearance	.018 in.	.018 in.
Make of governor.	John Deere	John Deere
Make of carburetor . . .	Century	Century
Spark plug		
Size	14 mm	14 mm
Gap015 to .018 in.	.015 to .018 in.
Type of fuel	LP-Gas	LP-Gas
Capacities (Approx.)		
Fuel tank	56 gal.	66 gal.
Cooling system (radiator).	6 U.S. gal.	6 U.S. gal.
Engine crankcase.	10 U.S. quarts	10 U.S. quarts
Air cleaner	Dry-type	Dry-type

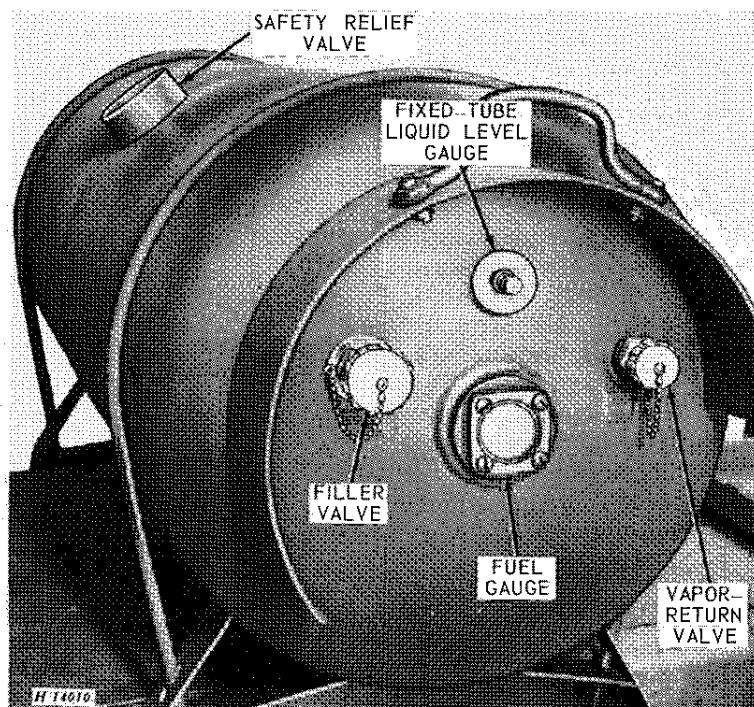
**Factory observed at 85° F. and 29.38 inches Hg. at 500 ft. above sea level.*



EQUIPMENT AND CONTROLS

The LP-Gas fuel equipment, and controls illustrated and described on the following pages, has been

granted the approval of the Underwriters' Laboratories.



Fuel tank with valves and gauges (55 Combine illustrated)

FUEL TANK

The fuel tank is of heavy welded steel construction with a fuel capacity of 56 gallons on the 55 combine and 66 gallons on the 95 combine.

NOTE: Capacities listed are based on 85% fill of the total volume of the tanks. The tanks should not be filled more than 85% of total volume because LP-Gas expands as temperature rises.

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