

# 70 TRACTOR LP-GAS INSTRUCTIONS



JOHN DEERE

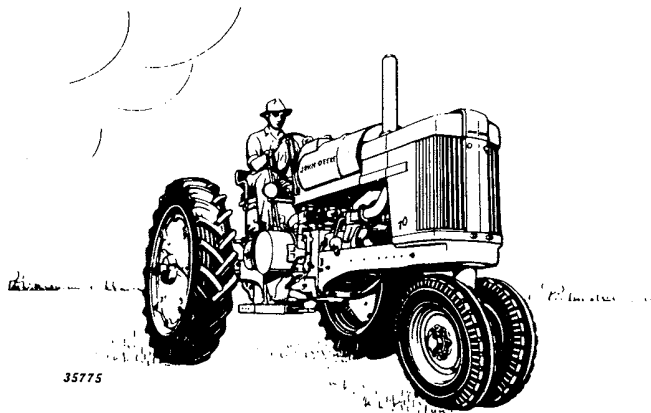
## OPERATORS MANUAL 70 TRACTOR LP-GAS INSTRUCTIONS

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## • TO THE PURCHASER •

In most respects your new John Deere Model "70" LP-Gas Tractor is just like a regular John Deere Model "70" Tractor.

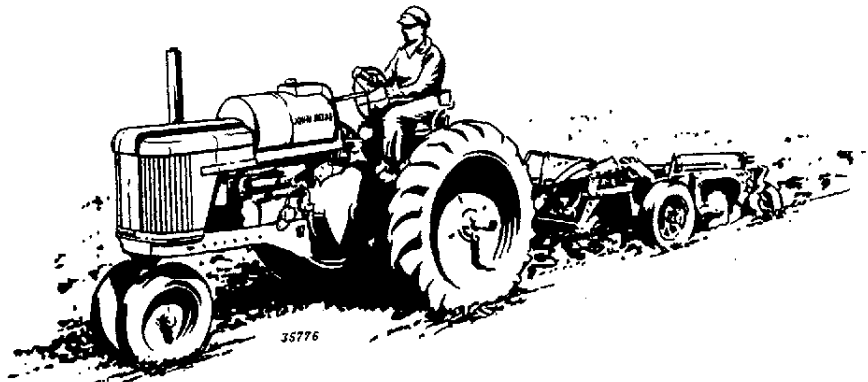
The instructions in this manual supplement those in the Operator's Manual for the regular Model "70" Tractor. This manual covers only those parts of your LP-Gas Tractor which are different from the regular Model "70" Tractor.

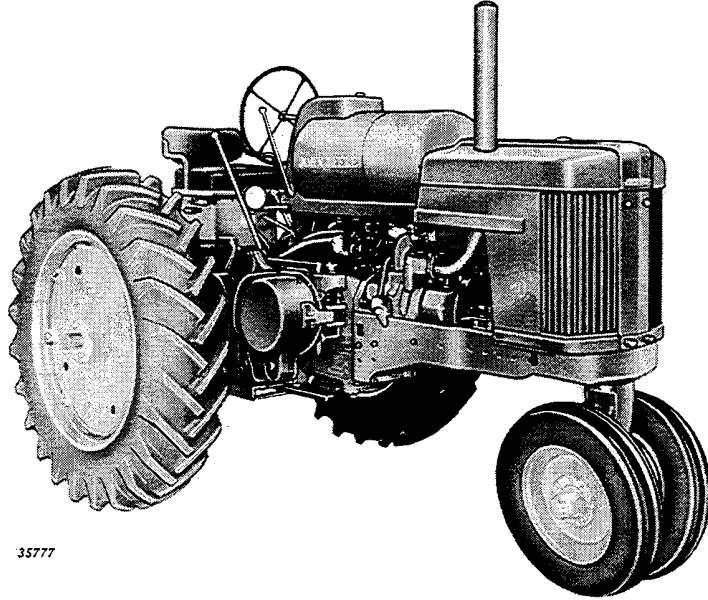
Refer to your Model "70" Operator's Manual for description and location of controls, operating instructions, lubrication, and services that will keep your tractor in tip-top shape. Refer to the regular manual often for constructive and helpful suggestions on getting the most out of your "70" LP-Gas Tractor.

Your new John Deere Model "70" LP-Gas Tractor is factory-engineered to run efficiently and economically on liquefied petroleum fuels. The advantages of LP-Gas fuel are fully utilized without sacrificing the established features of John Deere Tractors.

## • TABLE OF CONTENTS •

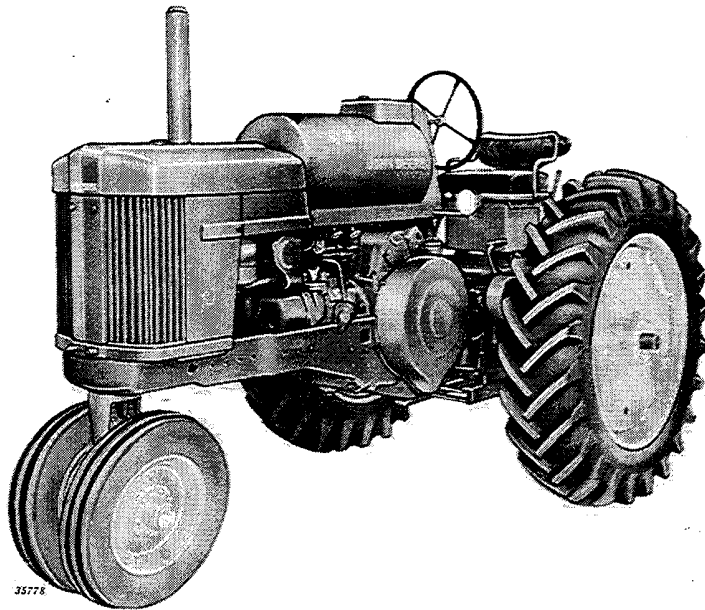
	Page
LP-GAS FUEL.....	3
LP-GAS EQUIPMENT AND CONTROLS.....	4
FILLING THE FUEL TANK.....	10
STARTING THE ENGINE.....	12
STOPPING THE ENGINE.....	14
LUBRICATION.....	15
SPECIAL SERVICES AND ADJUSTMENTS.....	17-26
Tappet Adjustment.....	17
Distributor Points.....	18
Installing and Timing Distributor.....	19
Carburetor Adjustments.....	22
Convertor.....	25
Fuses.....	26





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*John Deere Model "70" LP-Gas Tractor—Pulley Side*



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*John Deere Model "70" LP-Gas Tractor—Flywheel Side*

## LP-GAS FUEL

Liquefied petroleum (LP-Gas) is a fuel composed of gaseous petroleum compounds, principally propane or butane, or a mixture of both. Propane and butane are gases at ordinary temperatures but they can be changed to liquids by compressing them into a tank. These liquids boil at low temperatures. For instance, butane boils at +31° F. and propane at -44° F. Mixtures of the two gases have boiling points between these two values. To maintain the fuel in the liquid state, it must be kept under pressure at all times. This pressure ranges from a few pounds in cold weather up to extremely high pressures in hot weather.

LP-Gas is not unduly hazardous but since its characteristics are somewhat different than those of gasoline and other fuels, it requires different methods of handling. When handled *carefully* LP-Gas is as safe as any other fuel; when handled *carelessly* it is as dangerous as any other fuel. The use of common sense, based on a knowledge of the fuel's characteristics and what can happen if it gets loose, will prevent accidents.

Both propane and butane are heavier than air and will settle in low quiet spots if they escape from the storage tank or tractor fuel system. This is one of the reasons it is so important to prevent leaks, and to ventilate low spots thoroughly if escaped gas is detected, before any spark or flame is produced.

The National Board of Fire Underwriters' Pamphlet No. 58 is the accepted guide for the safe handling and use of LP-Gas. Make sure that all LP-Gas storage facilities or equipment used in connection with your John Deere LP-Gas Tractor complies with the specifications and regulations given in the pamphlet. This pamphlet can be obtained from the National Board of Fire Underwriters, 85 John St., New York 38, New York.

Liquefied petroleum has a high octane rating which permits an increase in compression ratio. In the John Deere Model "70" LP-Gas Tractor the ratio is 7.3 to 1.

The LP-Gas engine is essentially the same as a gasoline engine except that the fuel enters the carburetor in the gaseous state. In the carburetor the gas is mixed with air in the proper proportions and metered to the cylinders.

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