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MANUAL PREVIEW

J.I. Case
Operator's Manual

800 Series

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CA-O-800 SER

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INTRODUCTION

The Case 800 Series Tractor is powered by a rugged four cylinder spark ignition engine which features heavy duty precision type construction usually found only in diesel engines. This engine is noted for its quiet operating characteristics and economy of operation.

Advanced engineering also includes the following outstanding features on the 800 Series Tractors.

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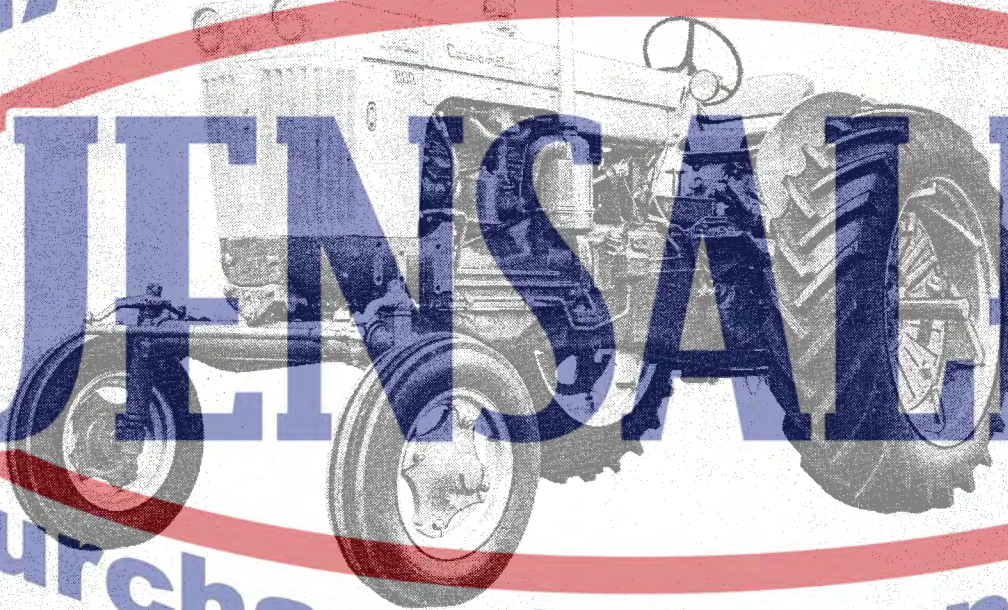


Figure 3

Case-O-Matic Drive

The Case-O-Matic Drive with its 8 “work ranges” in both Direct and Torque Converter Drive gives the exact speed for every job on the farm. Refer to page 5.

“Comforized” Platform

The Deluxe Seat, easily accessible operating controls, lighted “Tell Easy” instruments; all features designed with the operator’s comfort in mind are standard equipment on Case 800 Series Tractors.

Wide Range of Easily Adjustable Wheel Spacings

Both front and rear wheel treads can be adjusted on 800 Series Tractors for the various row spacings in a matter of minutes. One man can easily move the tire and rim to any of the tread positions.

Reservoir Filter Element

A replaceable filter element is provided in the fluid reservoir body, Figure 36. Replace the element every 1000 hours of operation, or more often in severe dust conditions.

To replace the filter element, remove the reservoir cover and lift the contaminated element out. Install a new element in the same location as the one removed (either end up).

Use care not to damage the reservoir cover gasket when removing and reinstalling the cover. Check the spring retainer on the reservoir cover mounting bolt, Figure 36. It must be in the position shown. Should it slide upward on the bolt, the filtering action of the element will be lost.

NOTE: If proper care is taken to prevent the entry of dirt into the reservoir, and if the filter element is changed periodically, it should not be necessary to ever drain and replace the hydraulic power steering fluid.



Figure 36.

Hydraulic Power Steering Fluid Temperature

After the tractor engine has been operating for a few minutes, the steering fluid will reach its normal operating temperature and the pump will feel very hot to the hand. This is a normal condition found in any hydraulic system and is caused by the fluid from the reservoir being circulated through the pump and control valve at a very accelerated rate whenever the tractor engine operates.

This condition will cause no difficulty as long as the reservoir is kept full.

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CAUTION

When making a full turn, DO NOT hold the front wheels against the stops. This can result in damaging the pump drive belt through slippage, relief valve damage from excessive pressure, and an overheating condition in the pump.

INSTRUCTIONS FOR ADJUSTING AND OPERATING AN 800 SERIES TRACTOR EQUIPPED FOR LP GAS

PREPARING THE TRACTOR FOR OPERATION

LP Gas is pumped into the tractor fuel tank as a liquid under pressure. To maintain the fuel as a liquid, it must be kept under pressure in the tank. The LP Gas creates its own pressure and this pressure is directly dependent upon the temperature of the fuel.

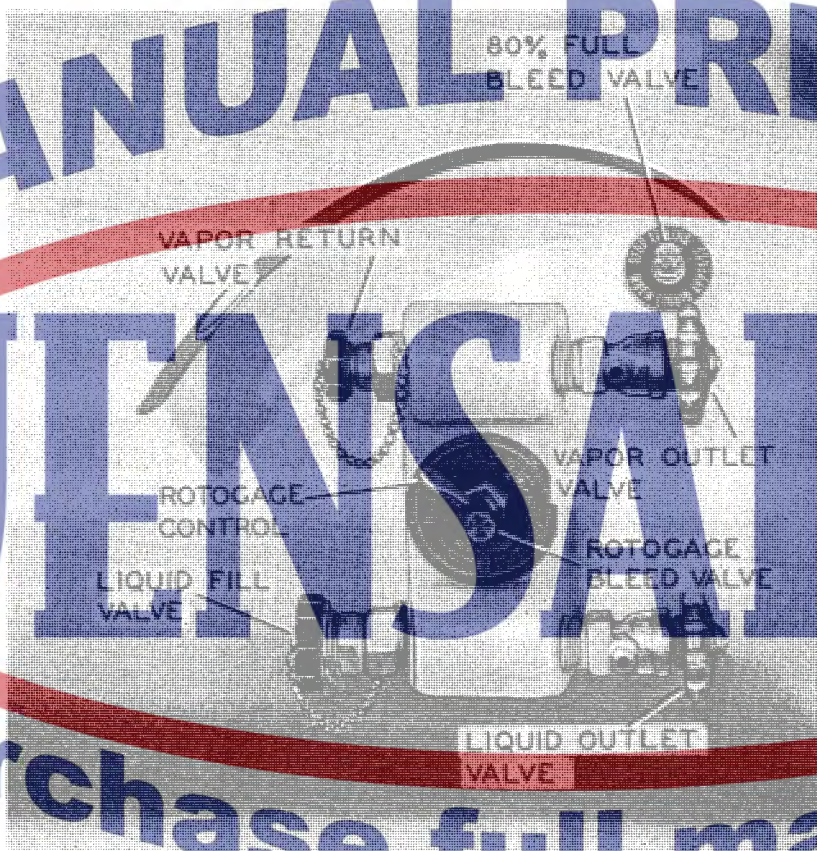


Figure 176

Filling the Fuel Tank

Vapor and Liquid Outlet Valve

To fill the fuel tank, make sure the vapor and liquid outlet valves, Figure 176, are closed; then remove the dust cap from the liquid fill valve and connect the hose from the storage tank and fuel transfer pump. Wipe the connections clean before attaching the filler hose.



CAUTION

Never fill the fuel tank when the engine is running or when near an open flame. Do not smoke when working around inflammable fuels.

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