HYDROSTATIC STEERING SYSTEM

NOTE: The maintenance of absolute cleanliness of all parts is of utmost importance in the operation and servicing of the hydrostatic steering system. Of

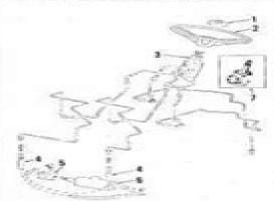


Fig. 3 - Schamatic view showing general lay-out of component parts of typical power steering system on international tractors. Rose hand pump and stearing raine (2) is used on Models 454, 484, 574 and 674. Den-fore pump and stearing raine (7) in inset is used on Models 484 and 584.

- Street, or other

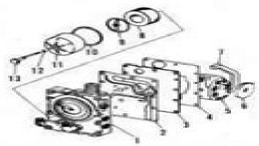


Fig. 4.—Muttiple control valve, hydraulic pump and filter located on left side of clutch

equal importance is the avoidance of nicks or burns on any of the working perte.

STEERING FLUID CIRCUITS

All Models

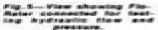
4. Power steering is standard equipment on all tractors and is similar except for the hand pump and steering valve assembly.

Refer to Fig. 3 for view showing the relative position of power steering components. The 12.5 gpm (Model 584) or 12 gpm (all other models) hydraulic pump is mounted on inside of multiple control valve, Fig. 4. Fluid passes from the pump to a priority type flow divider valve which supplies a controlled flow of approximately 3 gpm to the power steering. The return flow from the power steering is returned back to the multiple control valve and

is controlled at a lower pressure by the pto regulating valve. If pto is engaged, the fluid flows to the pto clutch assembly with excess fluid going to oil cooler. If pto is in disengaged position, the power steering fluid returns to oil cooler, which is protected by a bypass wadren.

LUBRICATION AND BLEEDING All Models

5. The tractor rear frame serves as a common reservoir for all hydraulic and lubrication operations. The filter element, shown in Fig. 4, should be re-newed at 10 hours, 100 hours, 200 hours and then every 200 hours of operation thereafter. Hydraulic fluid should be drained and new fluid added every 800 hours, or once a year, whichever occurs first.



- A. Power electing pres-

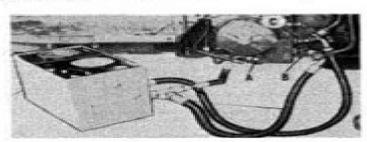
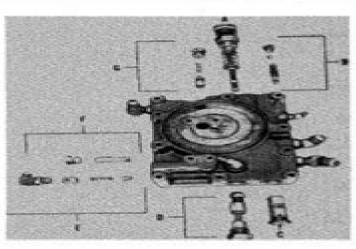


Fig. 6-Multiple control ing control raises removed Fragues Ethenia Sopress.

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