1090, 1170 and 1175 Tractors

Service Manual

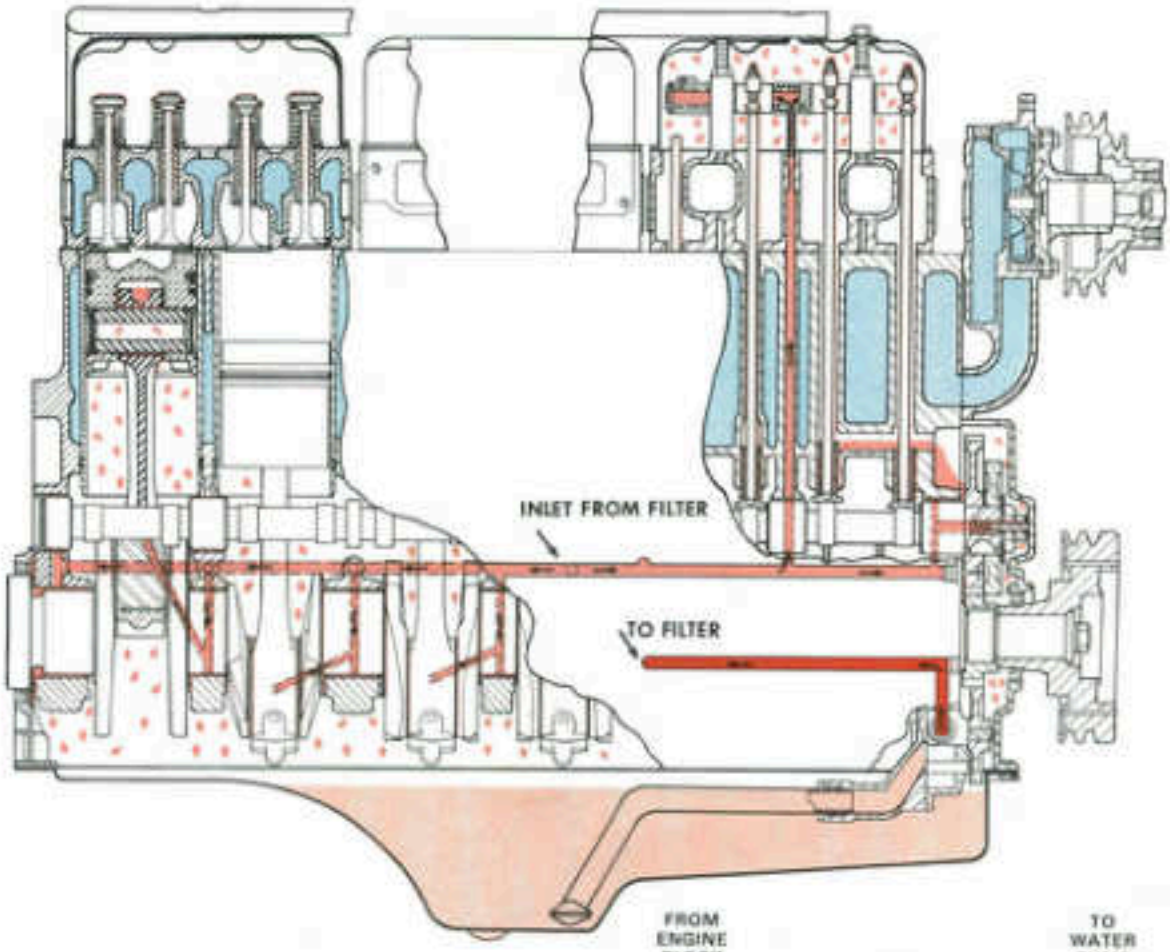
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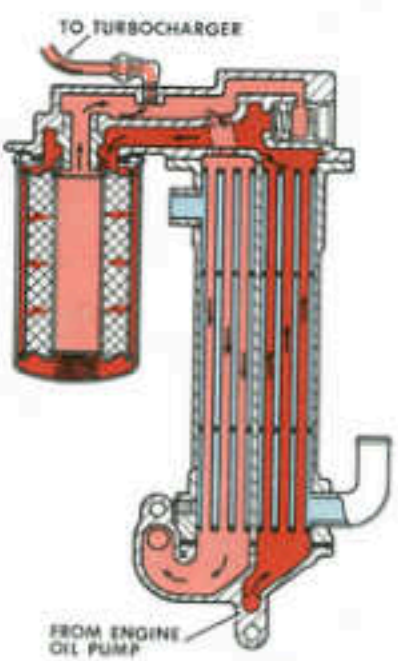
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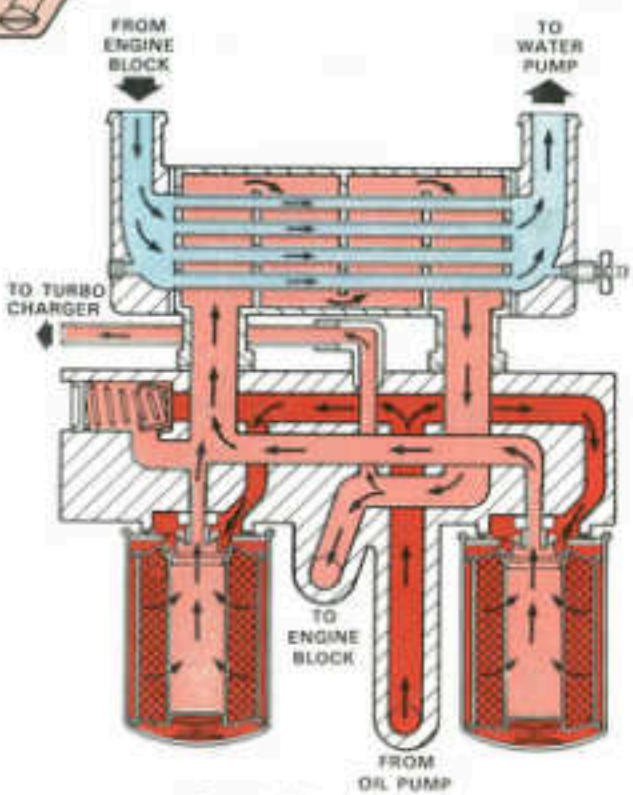
ENGINE LUBRICATING OIL AND COOLANT SYSTEM

Pressure and Spray Type Lubricating Oil System





Single Filter System
With Heat Exchanger

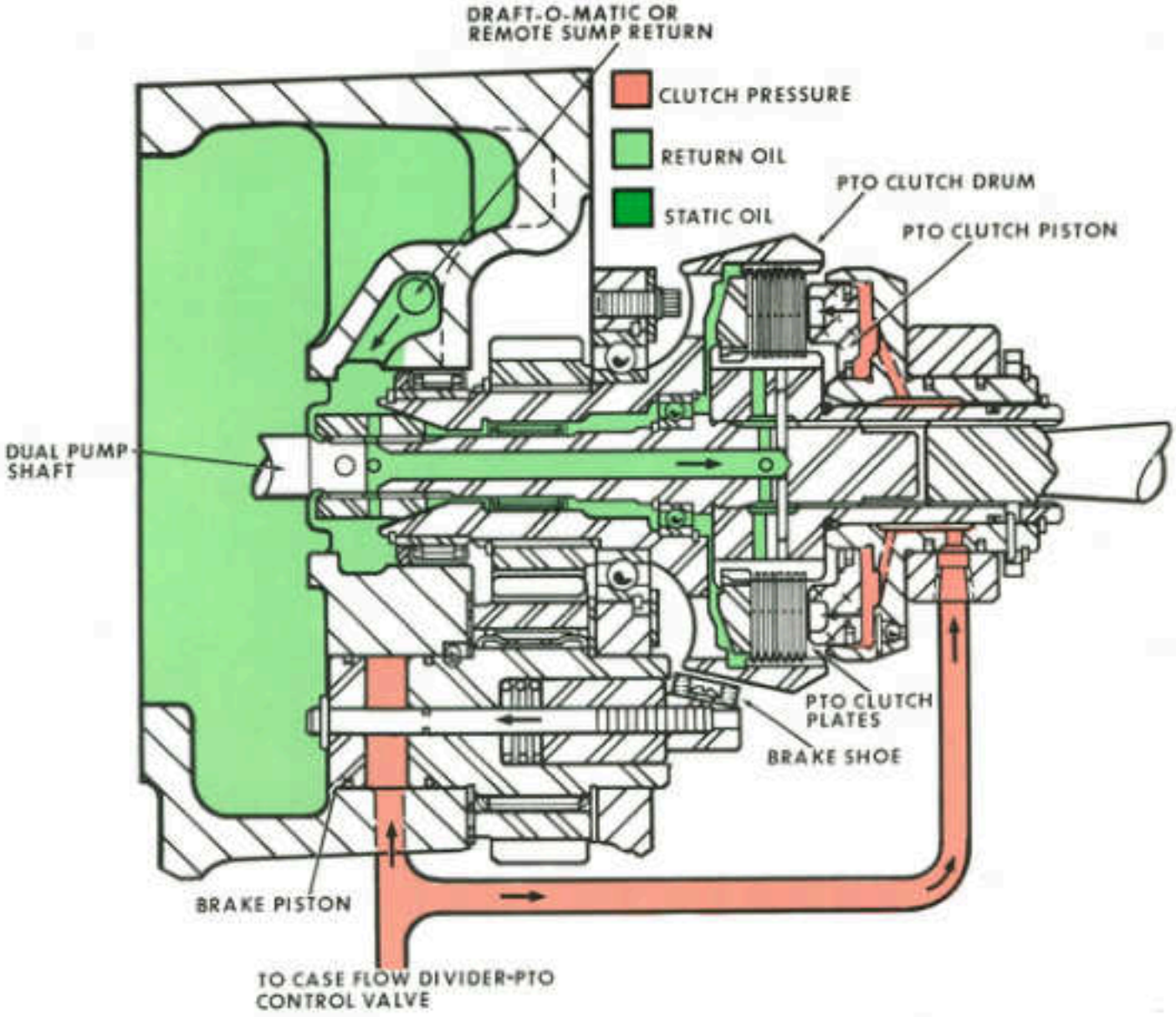


Dual Filter System
With Heat Exchanger

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PTO CLUTCH ENGAGED

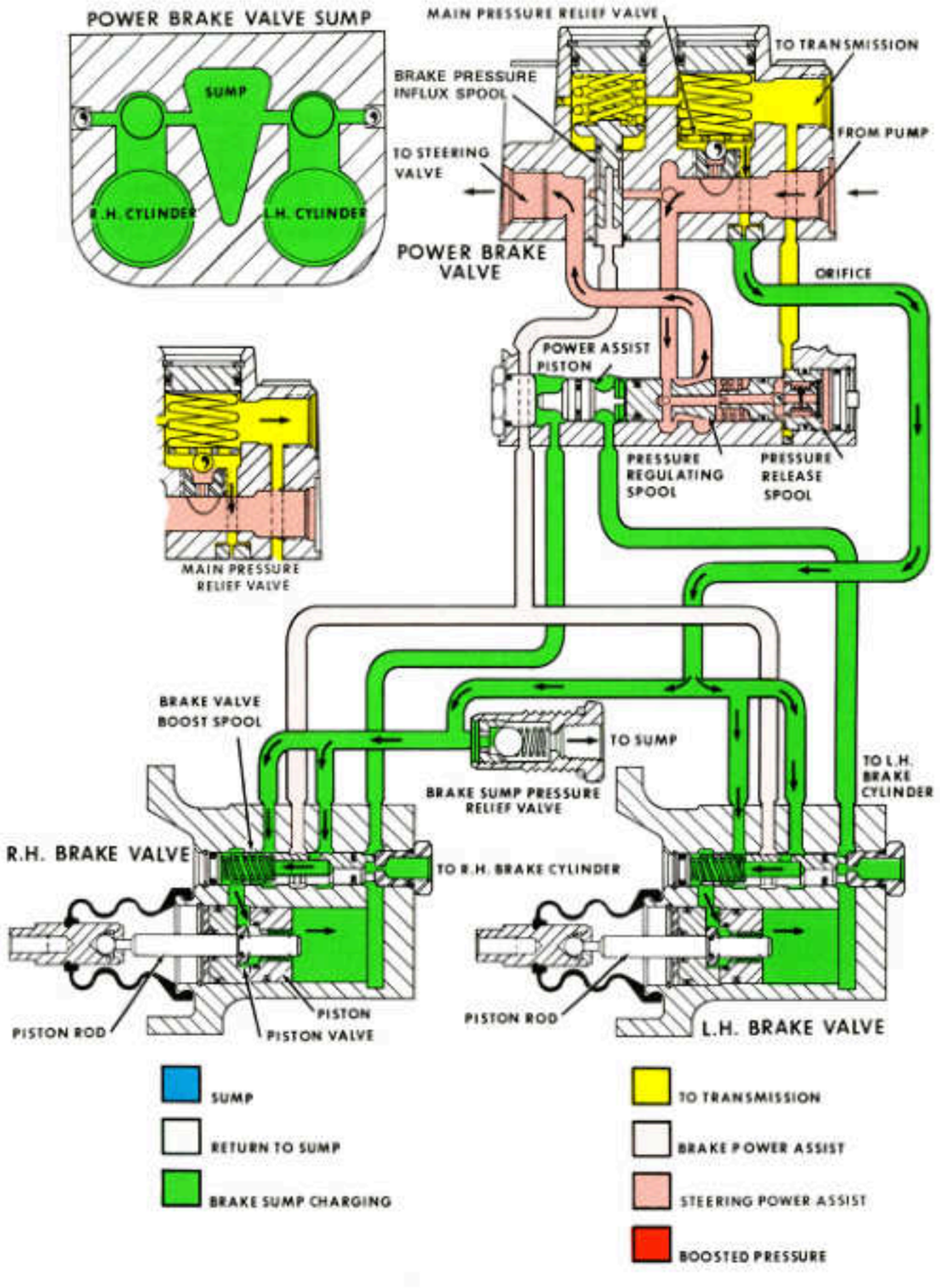
PTO CLUTCH LUBRICATION - Part of the return flow of oil from the Draft-O-Matic or dual remote valve is directed to the PTO housing. The oil then enters the PTO housing on the left side and flows through the center of the PTO shaft to the cross drilled hole in the shaft, which allows the oil to flow out through the PTO input hub and the PTO clutch plates.

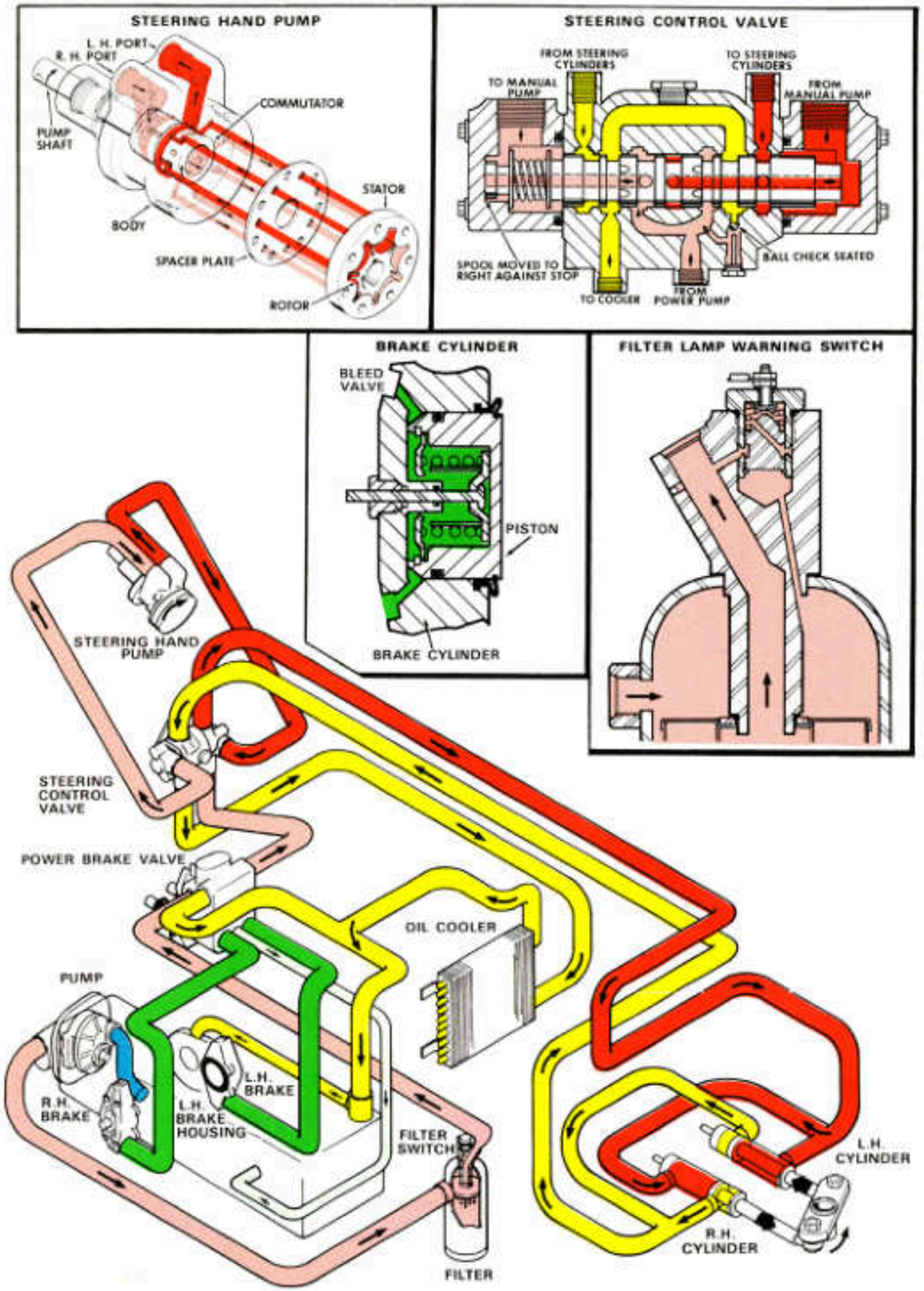


PTO CLUTCH ENGAGED - When the PTO control spool is moved to the engaged position, oil flows from the PTO control spool in the Case flow divider valve body to the PTO housing, the PTO clutch and the PTO brake cylinder. The pressurized oil moves the PTO brake piston rearward, releasing the PTO brake. The pressurized oil, also moves the PTO clutch piston rearward and locks up the PTO clutch plates. This starts the PTO clutch output shaft turning.

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LEFT TURN-BRAKES NOT APPLIED-ENGINE RUNNING





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