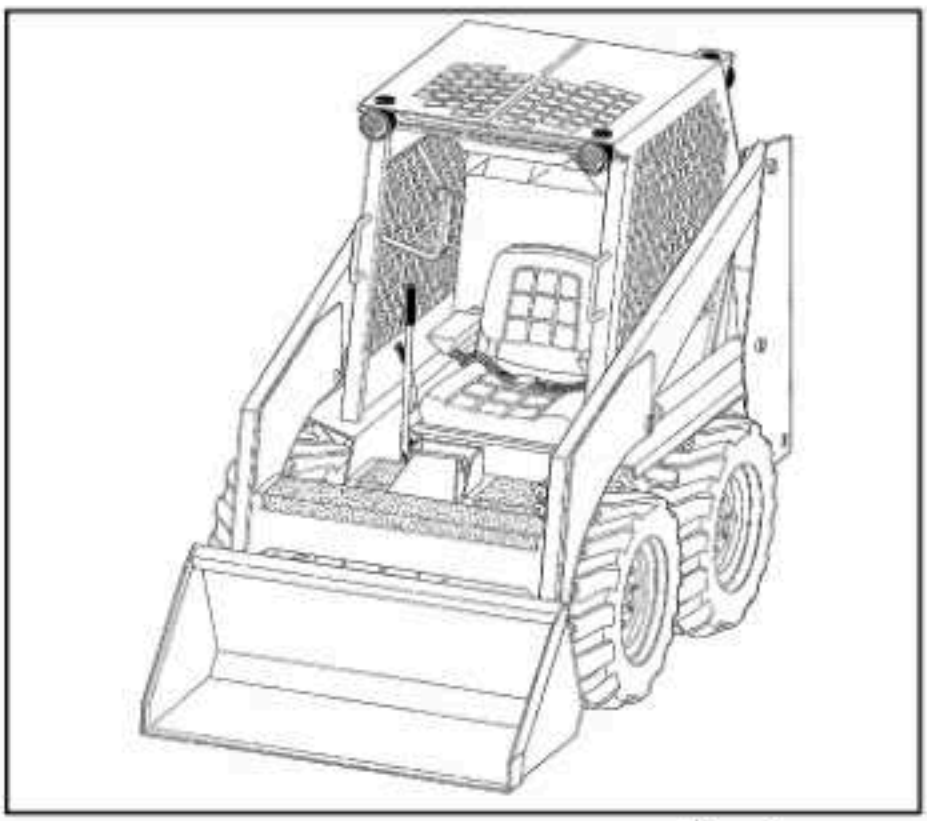
520

530

533

Service Manual



MELROE
INGERSOLL-RAND

6556407(3-87)

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bobcat

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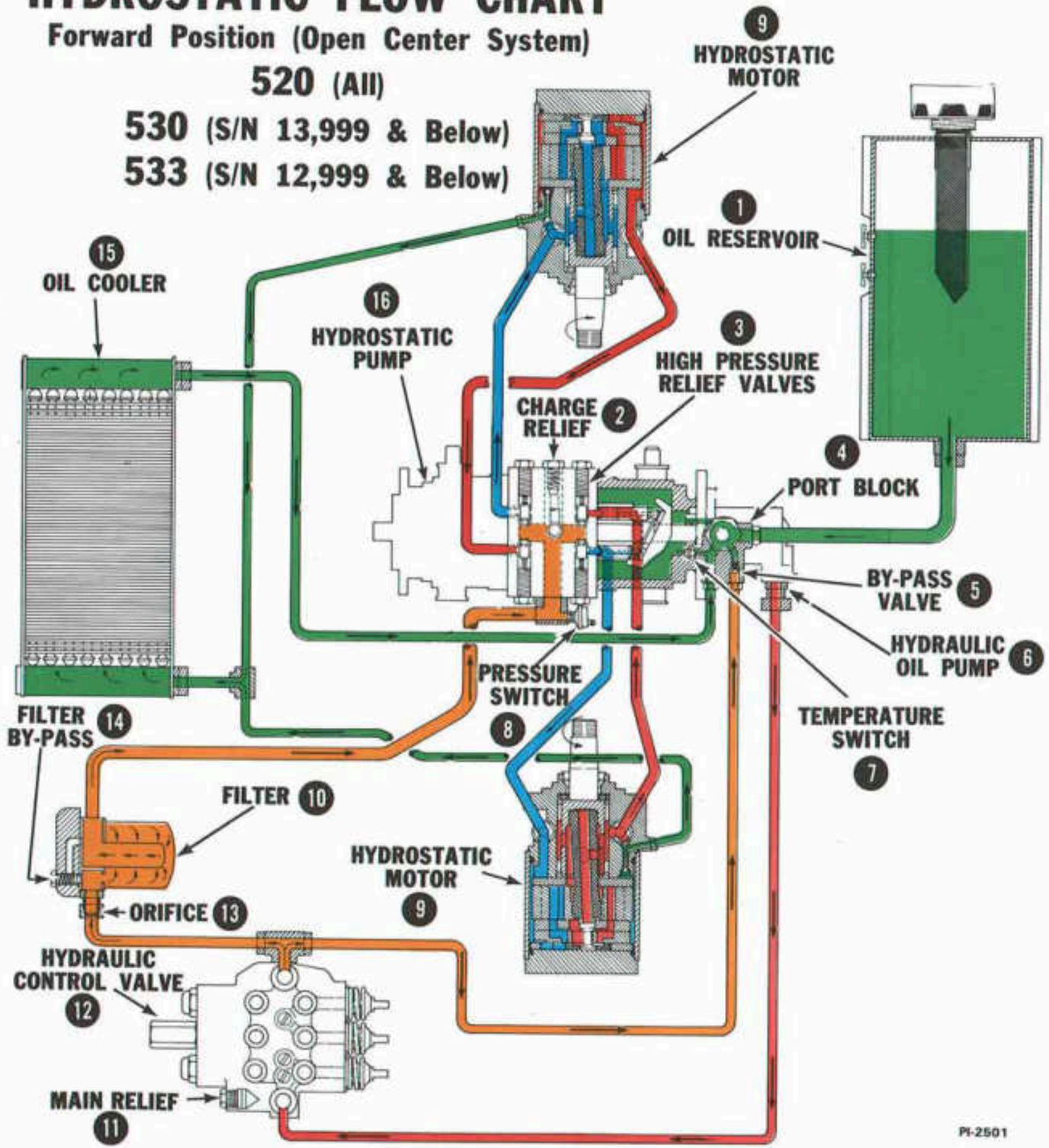
HYDROSTATIC FLOW CHART

Forward Position (Open Center System)

520 (All)

530 (S/N 13,999 & Below)

533 (S/N 12,999 & Below)



1. OIL RESERVOIR, System Cap.: 5 Gal. [19 L]
2. CHARGE RELIEF, Non-Functional
3. HIGH PRESS. RELIEF VALVES, 3000 PSI [20685 kPa]
4. PORT BLOCK
5. BY-PASS VALVE. 55-75 PSI [379-517 kPa]
6. HYDRAULIC OIL PUMP, 8 GPM [30,3 L/m] at 2500 RPM
7. TEMPERATURE SWITCH, 230°F [110°C]
8. PRESSURE SWITCH, 23 - 27 PSI [158 - 186 kPa]
9. HYDROSTATIC MOTOR
10. FILTER, 10 Micron
11. MAIN RELIEF, 1500 - 1600 PSI [10342 - 11032 kPa]
    At Valve (1575 - 1675 PSI [10859 - 11549 kPa]
    Measured at Aux. Quick Couplers)
12. HYDRAULIC CONTROL VALVE
13. ORIFICE
14. FILTER BY-PASS, 30 PSI [206,9 kPa] [530 & 533 Only]
15. OIL COOLER
16. HYDROSTATIC PUMP

RED - - - - - - - High Pressure
BLUE - - - - - - Low Pressure
GREEN - - - - - Case Drain & Reservoir
ORANGE - - - -Charge Pressure

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