1850K
Crawler Dozer

Service Manual

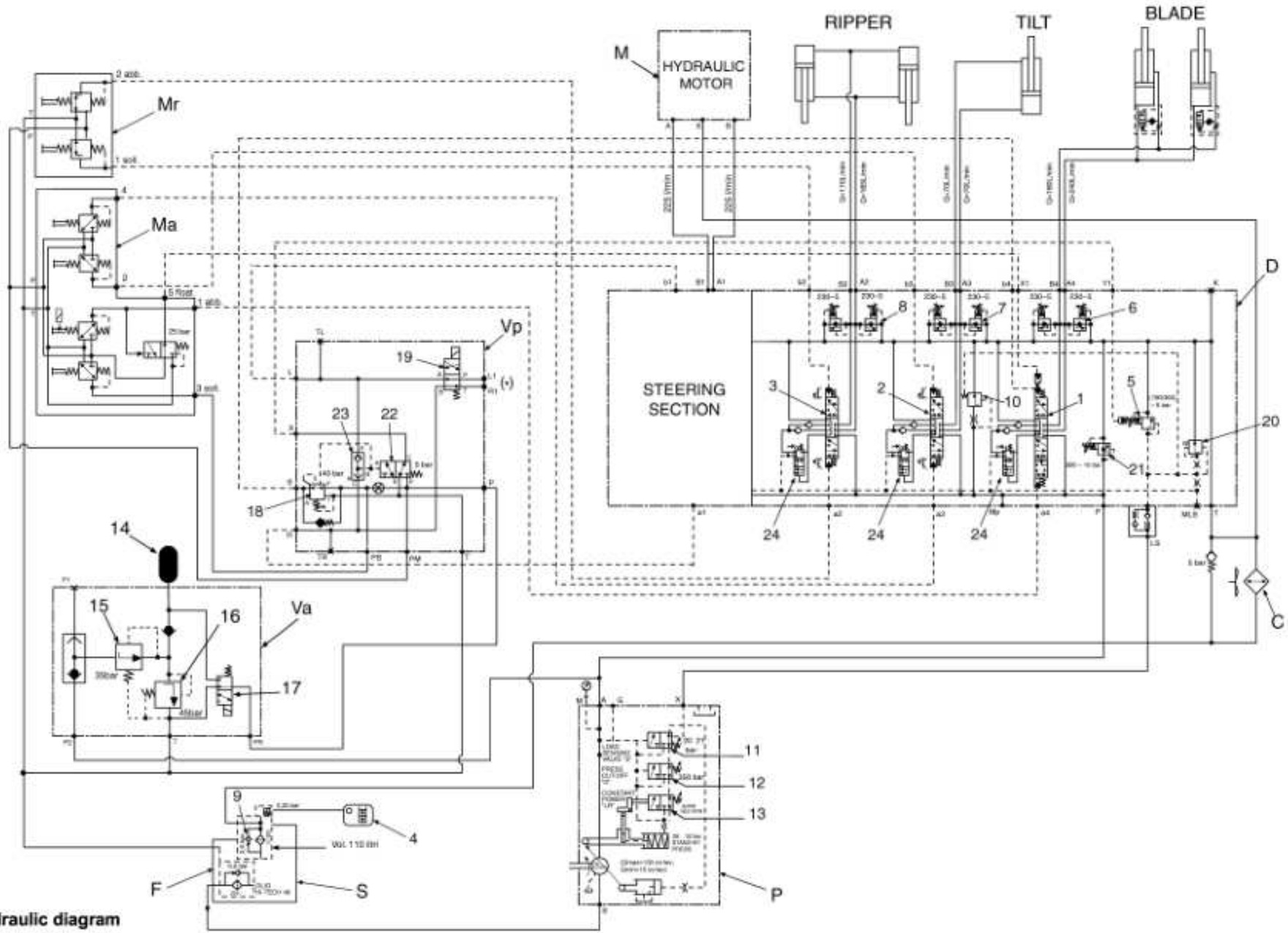
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CASE CONSTRUCTION

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EQUIPMENT HYDRAULIC DIAGRAM



Dozer equipment hydraulic diagram

SM1600

1. Blade control spool – **2.** Tilt control spool – **3.** Ripper control spool – **4.** Hydraulic oil filter clogging indicator light – **5.** Load sensing limitation valve (190 ±5 bar/350 ± 5 bar) – **6.** Blade control spool safety valves (230 ± 5 bar) – **7.** Tilt control spool safety valves (230 ± 5 bar) – **8.** Ripper control spool safety valves (230 ± 5 bar) – **9.** By-pass valve – **10.** Unloading valve (30 bar, 10 lt/min) – **11.** Load Sensing regulating valve – **12.** Cut-off signal valve – **13.** Constant power controlling valve – **14.** Accumulator 0.7 lt - **15.** Flow reduction valve – **16.** Powering block pressure relief valve 45 bar – **17.** Powering block solenoid valve – **18.** Reduction valve – **19.** Distribution valve – **20.** LS line decompression valve (stabilising the LS signal) (0.7 lt/min) – **21.** Main safety valve – **22.** Piloting valve – **23.** Selector valve – **24.** Pressure compensators – **C.** Heat exchanger – **D.** Equipment/steering control valve – **M.** Steering hydraulic motor (see SECT. 4 steering) – **P.** Variable displacement piston power pump 90 kW/1950 rpm – **Ma.** Blade control pilot valve – **Mr.** ripper control pilot valve – **Va.** Pilot valves powering valve – **Vp.** Steering piloting valve

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