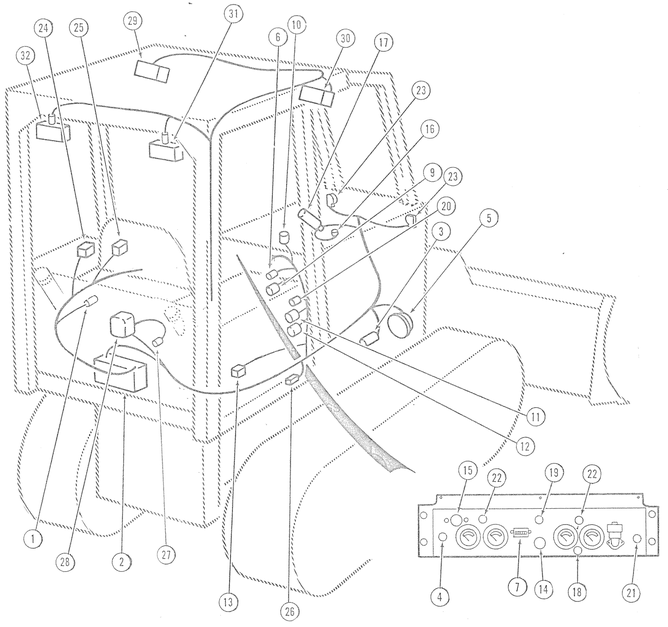
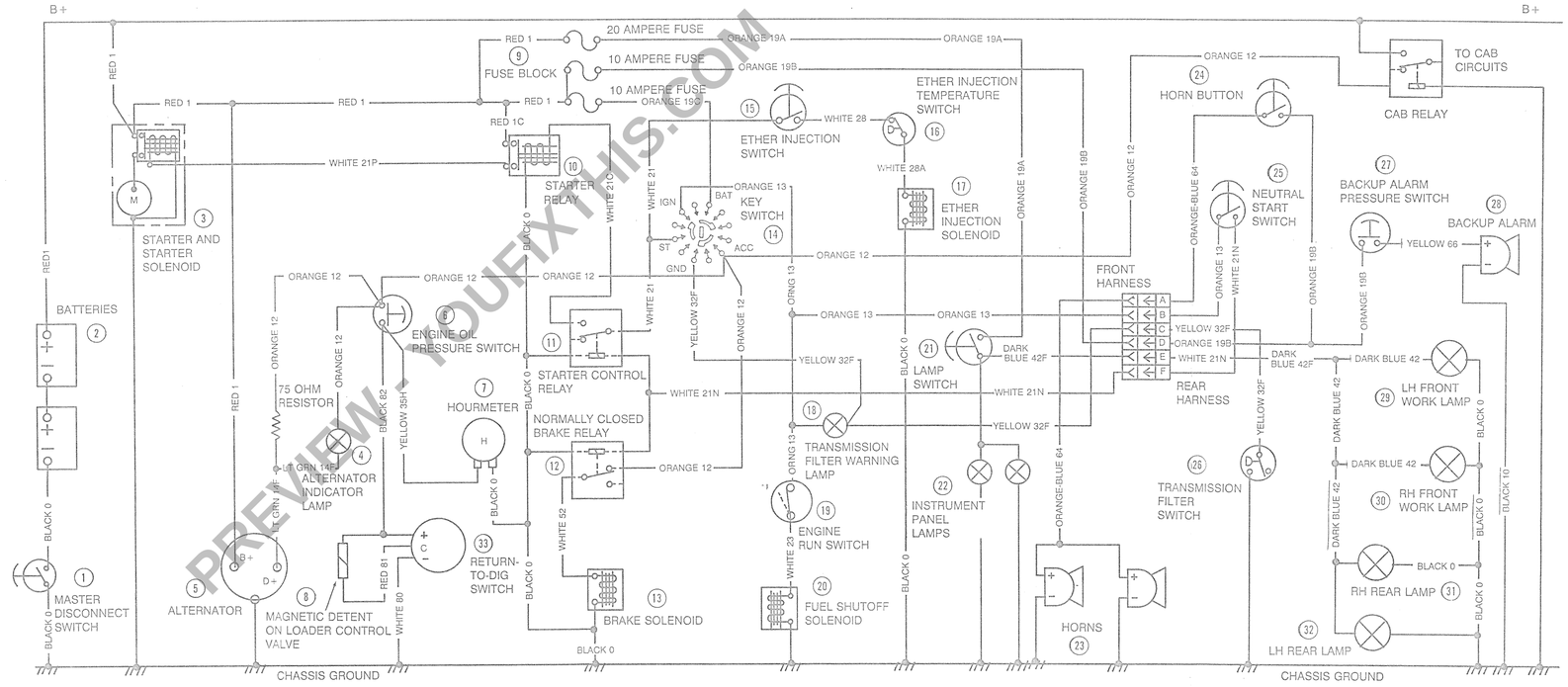
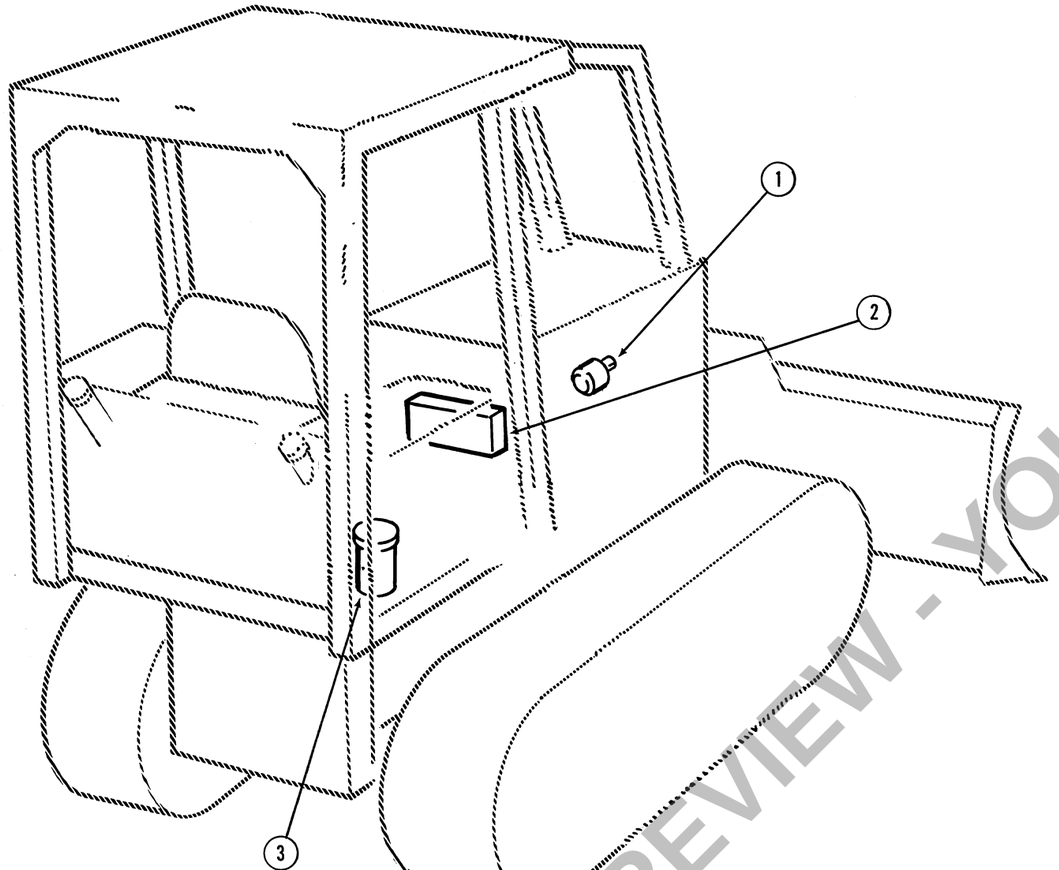
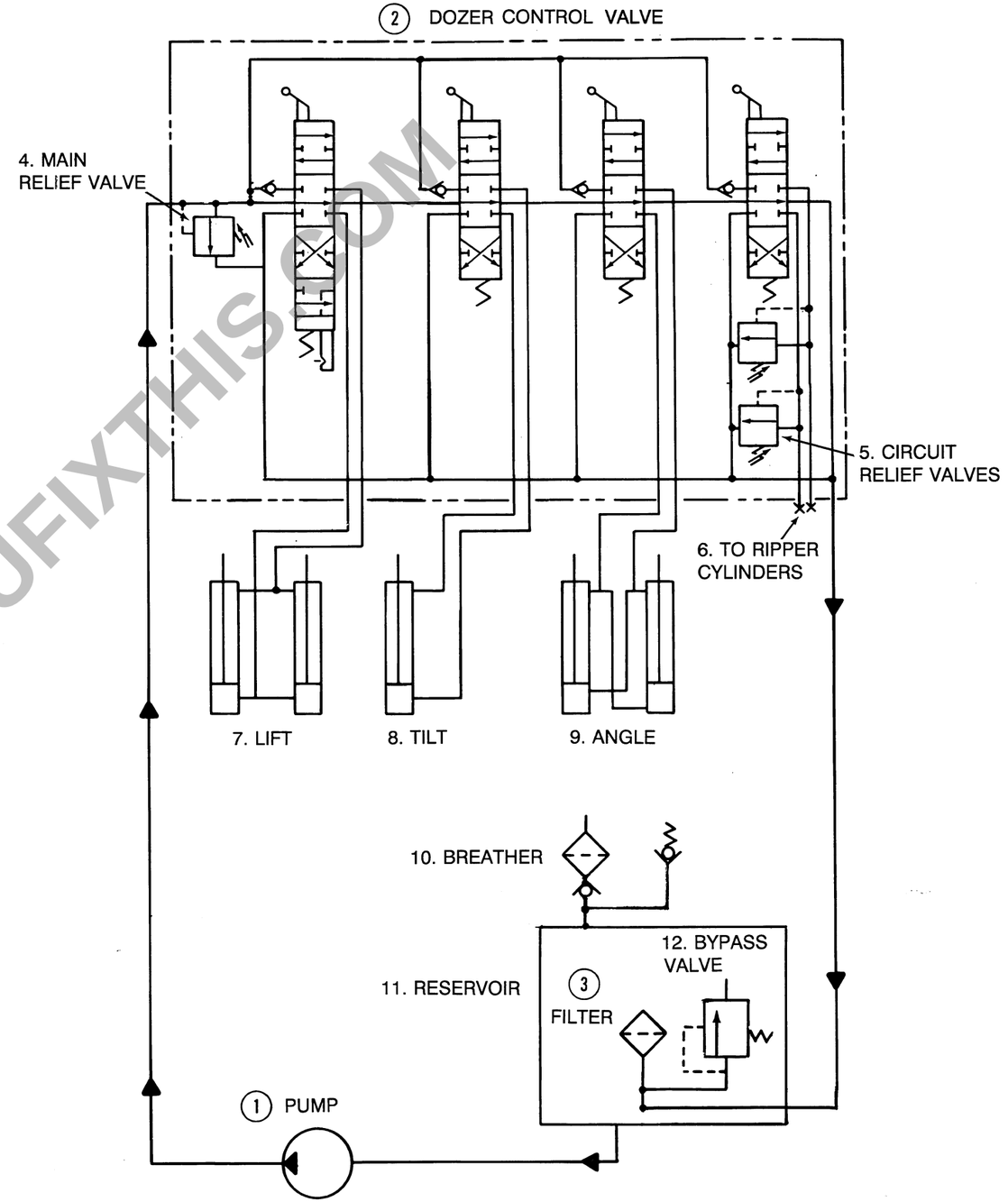




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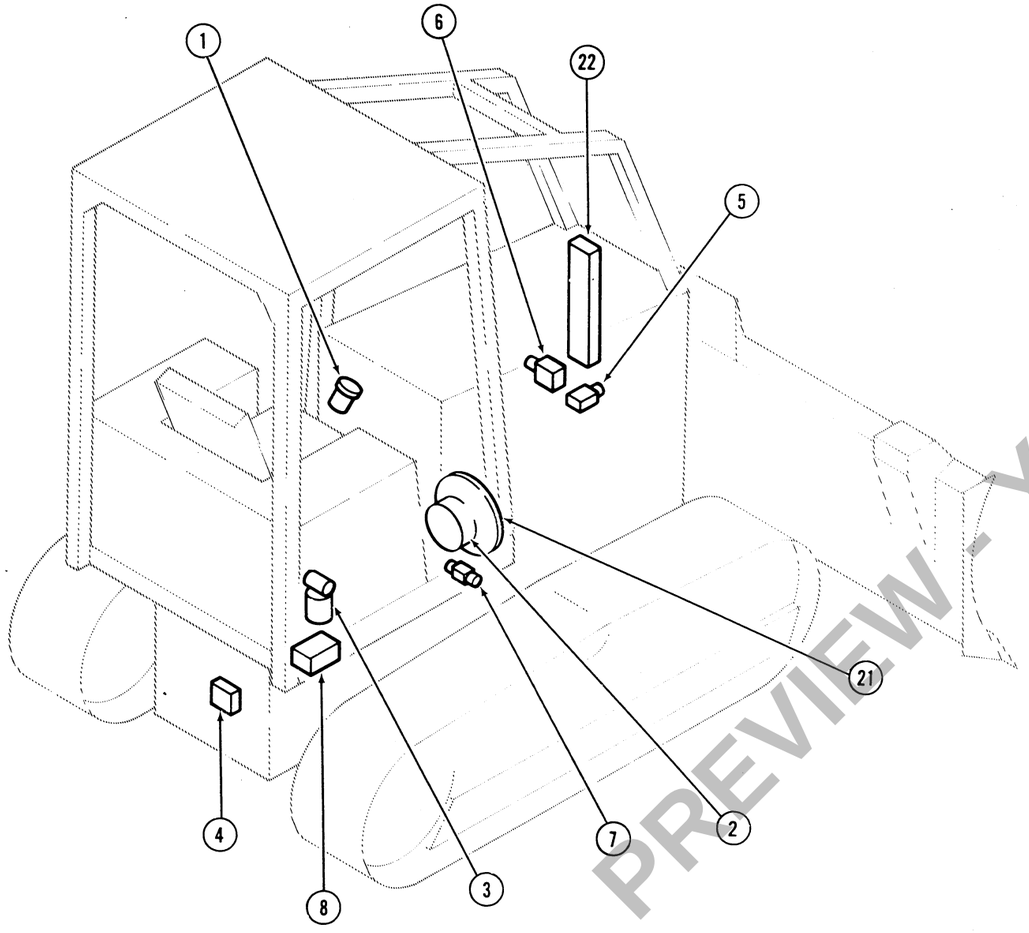


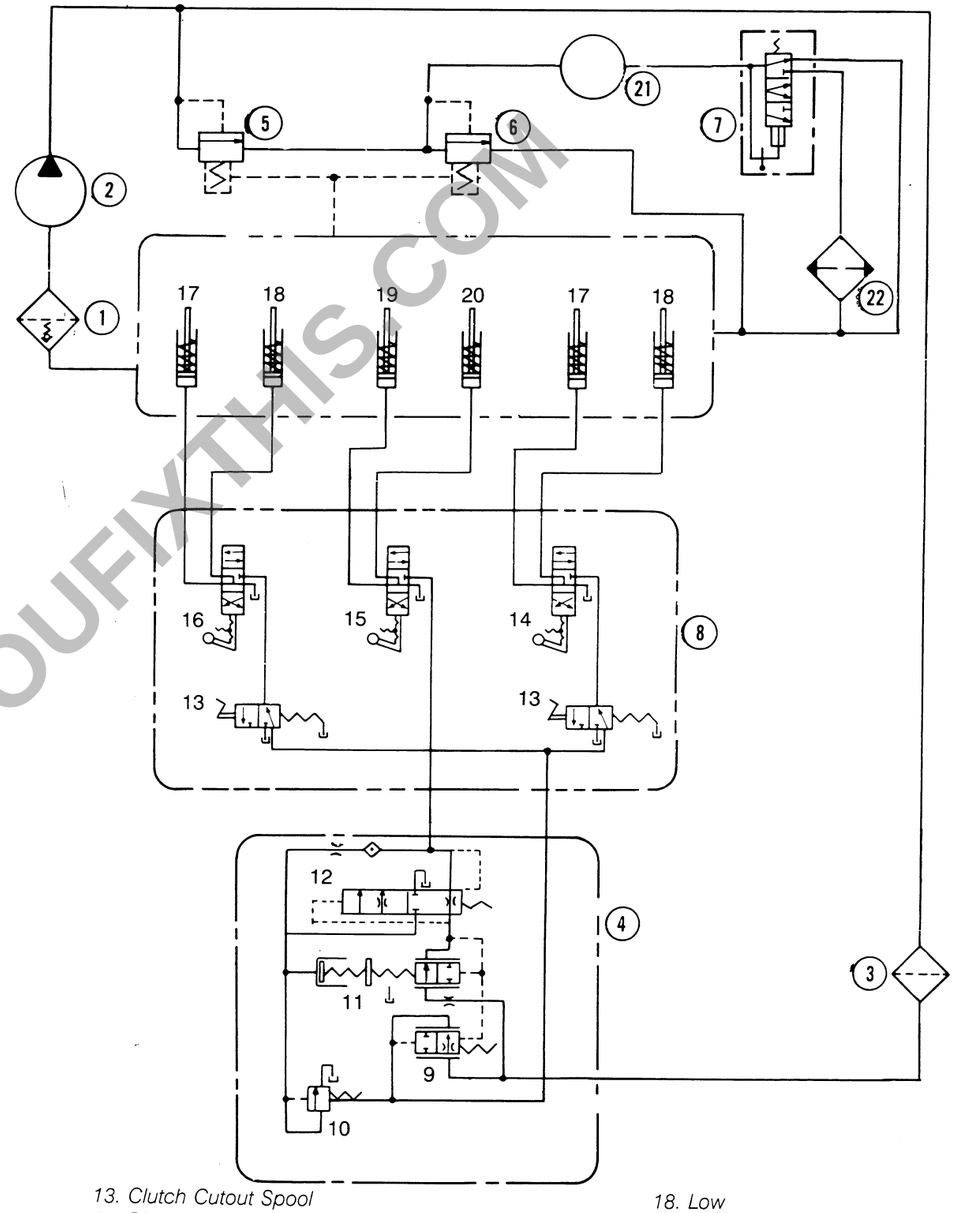
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Hydraulic Schematic for Dozer Machines

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1. Suction Screen
2. Charging Pump
3. Filter
4. Modulator Valve
5. Pressure Regulator Valve
6. Torque Converter Relief Valve
7. Thermal Bypass Valve
8. Transmission Control Valve
9. Flow Spool
10. Poppet
11. Modulator Spool
12. Track Spool
13. Clutch Cutout Spool
14. Right Track
15. Forward and Reverse
16. Left Track
17. High
18. Low
19. Forward
20. Reverse
21. Torque Converter
22. Oil Cooler

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SPECIFICATONS

Output of hydraulic pump

Dozer machine ..... 23 U.S. gpm at 2200 psi at 2000 rpm (87 L/min at 13 790 kPa, 138 bar at 2000 r/min)

Loader machine..... 28 U.S. gpm at 2200 psi at 2000 rpm (106 L/min at 13 790 kPa, 138 bar at 2000 r/min)

Setting of main relief valve

Dozer machine ..... 2150 to 2300 psi at 2000 rpm (14 824 to 15 858 kPa, 148 to 159 bar at 2000 r/min)

Loader machine..... 2450 to 2600 psi at 2000 rpm (16 893 to 17 927 kPa, 169 to179 bar at 2000 r/min)

Hand pump setting for circuit relief valves

Dozer auxiliary, A and B ports ..... 2700 to 2900 psi (18 616 to 19 996 kPa, 186 to 200 bar)

Loader lift, B port..... 3000 to 3100 psi (20 685 to 21 374 kPa, 207 to 214 bar)

Loader bucket, A port ..... 1400 to 1500 psi (9653 to 10 342 kPa, 97 to 103 bar)

Loader bucket, B port ..... 2700 to 2800 psi (18 616 to 19 306 kPa, 186 to 193 bar)

Loader auxiliary, A and B ports ..... 2700 to 2800 psi (18 616 to 19 306 kPa, 186 to 193 bar)

Backhoe bucket and dipper, A and B ports..... 2400 to 2650 psi (16 548 to 18 272 kPa, 165 to 183 bar)

Backhoe swing, A and B ports ..... 1700 to 1900 psi (11 721 to 13 100 kPa, 117 to 131 bar)

Backhoe boom, A port..... 905 to 1055 psi (6240 to 7274 kPa, 62 to 73 bar)

Backhoe boom, B port..... 2400 to 2650 psi (16 548 to 18 272 kPa, 165 to 183 bar)

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SPECIFICATIONS

Torque for track shoe bolts	190 to 230 pound-feet (258 to 312 Nm)
Track deflection	1-1/2 to 2 inches (38 to 50 mm)
Track pin	1.316 to 1.319 inches (33.44 to 33.52 mm)
Master pin	1.297 to 1.305 inches (32.94 to 33.14 mm)
Lubricant	Case IH 135-H E.P. gear lubricant
Bushings	2.232 to 2.248 inches (56.7 to 57.1 mm)

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SPECIFICATIONS

Rotating torque for sprocket shaft without face seal and bull gear installed	35 to 40 pound-inches (4 to 4.5 Nm)
Rotating torque for input shaft (bevel gear)	35 to 40 pound-inches (4 to 4.5 Nm)
Backlash for bevel gear	0.006 to 0.015 inch (0.15 to 0.38 mm)
Capacity for final drive (each)	7.5 U.S. quarts (7 litres)
Lubricant	Case IH 135-H EP gear lubricant

Special torques

Cap screws, main frame and seat frame to final drive	All threads cleaned with Loquic Primer T. 242 Loctite on threads and bottom of head of cap screws. Tighten to 180 pound-feet (244 Nm) and then tighten 1/4 turn.
Self-locking nuts, final drive to transmission	95 to 105 pound-feet (128 to 142 Nm)
Cap screws, retainer on input shaft	115 to 130 pound-feet (155 to 176 Nm)
Cap screws, retainer on sprocket shaft	165 to 185 pound-feet (228 to 257 Nm)
Ferry head screws, cover for input and sprocket shafts	50 to 90 pound-feet (68 to 122 Nm)
Ferry head screws, bottom cover	80 to 130 pound-feet (108 to 176 Nm)

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