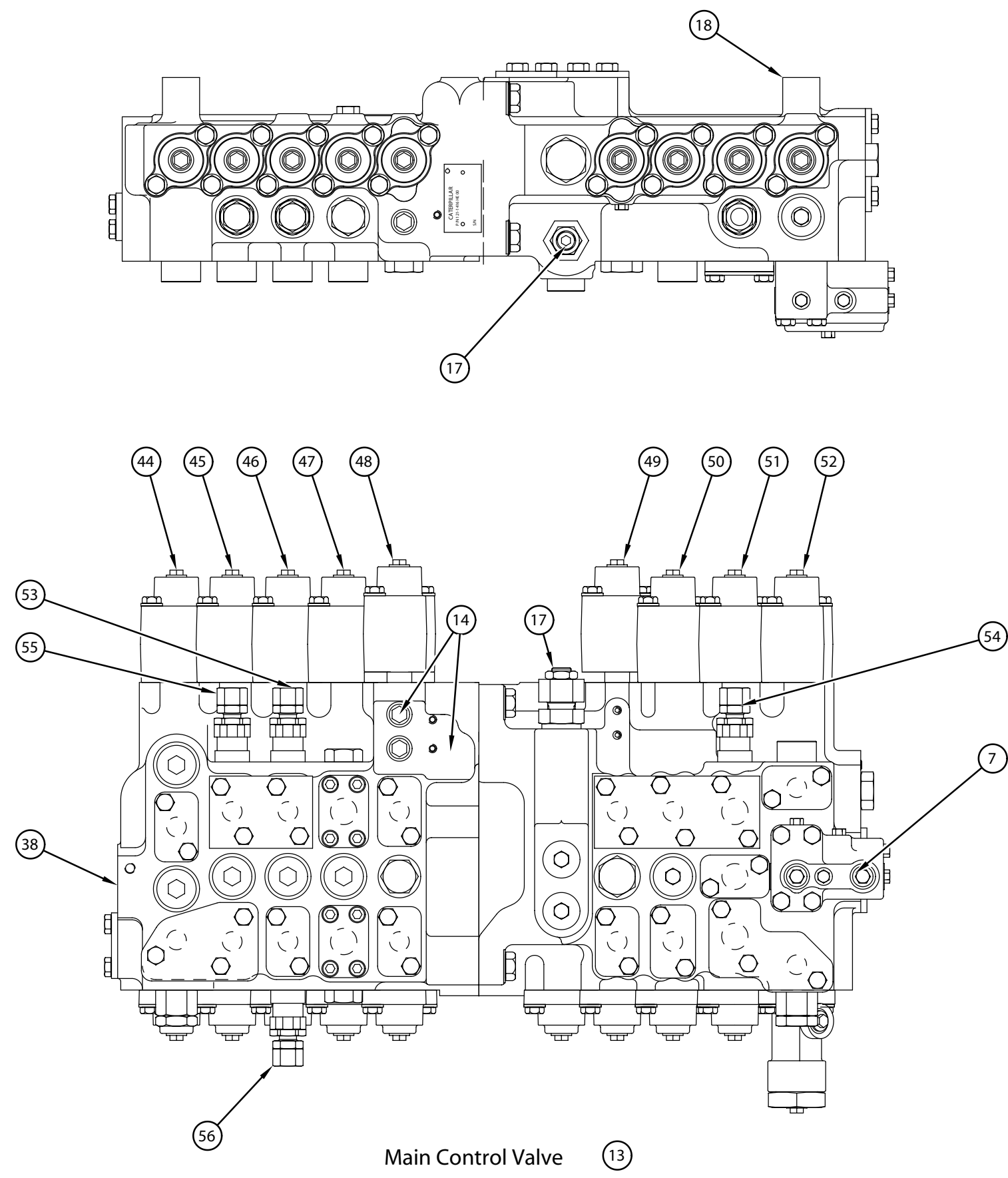


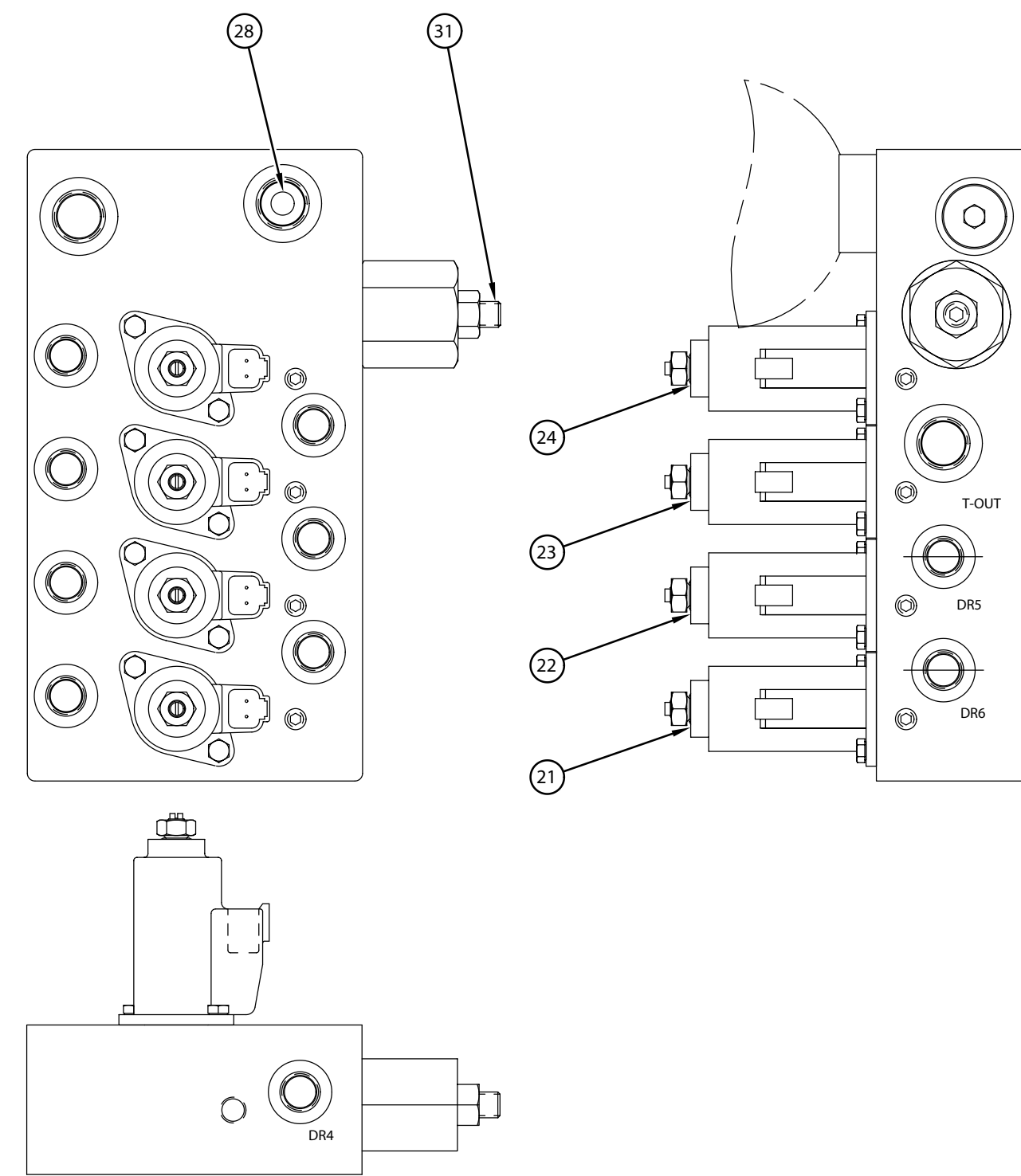
Schematic

320B LL Excavator Hydraulic System Forest Machine

320B LL:
6LS1-UP
9JS1-UP



Main Control Valve 13



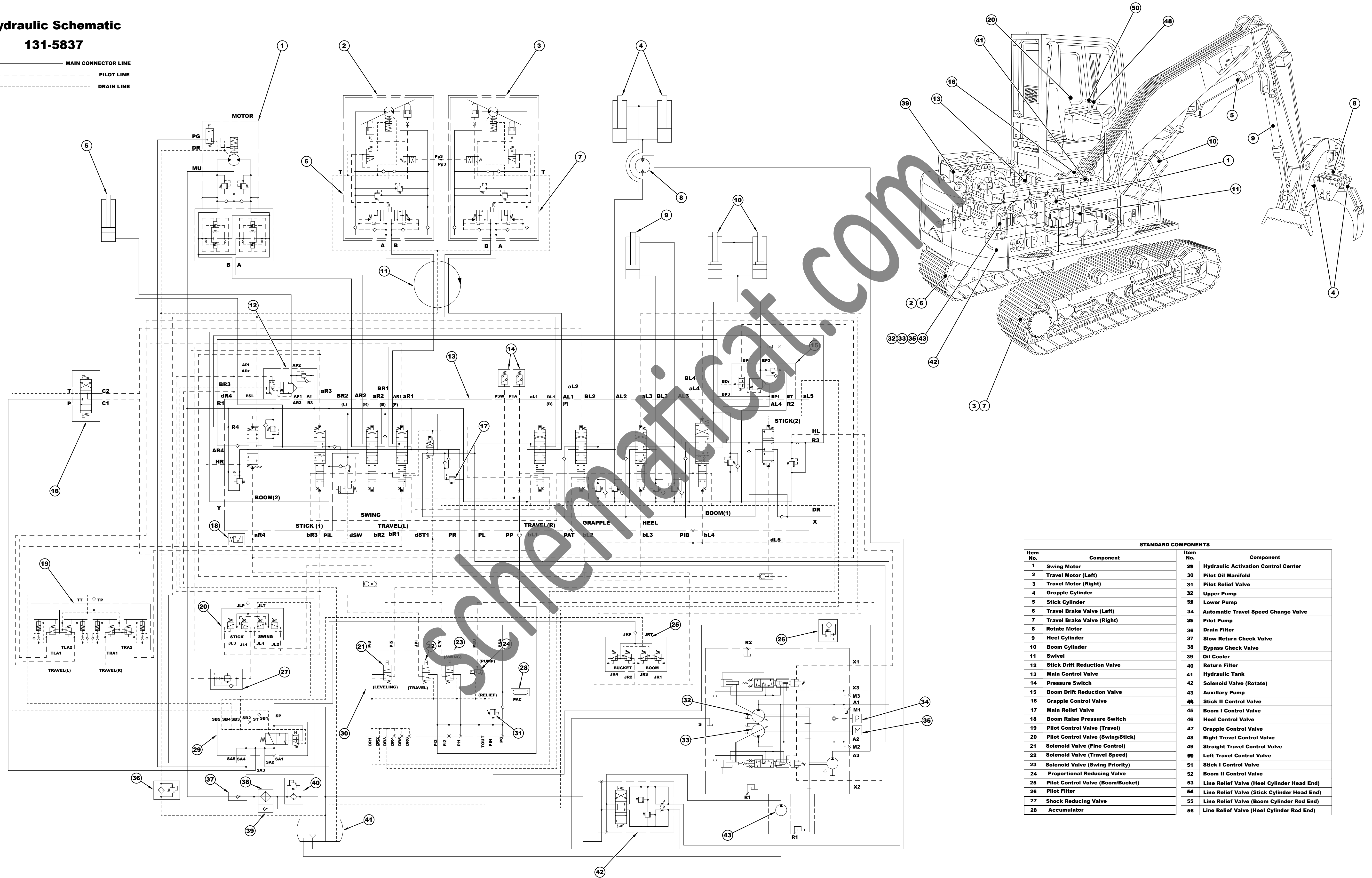
Pilot Manifold 30

SchematicCat.com

Hydraulic Schematic

131-5837

— MAIN CONNECTOR LINE
 - - - PILOT LINE
 - · - · - DRAIN LINE



STANDARD COMPONENTS			
Item No.	Component	Item No.	Component
1	Swing Motor	20	Hydraulic Activation Control Center
2	Travel Motor (Left)	30	Pilot Oil Manifold
3	Travel Motor (Right)	31	Pilot Relief Valve
4	Grapple Cylinder	32	Upper Pump
5	Stick Cylinder	33	Lower Pump
6	Travel Brake Valve (Left)	34	Automatic Travel Speed Change Valve
7	Travel Brake Valve (Right)	35	Pilot Pump
8	Rotate Motor	36	Drain Filter
9	Heel Cylinder	37	Slow Return Check Valve
10	Boom Cylinder	38	Bypass Check Valve
11	Swivel	39	Oil Cooler
12	Stick Drift Reduction Valve	40	Return Filter
13	Main Control Valve	41	Hydraulic Tank
14	Pressure Switch	42	Solenoid Valve (Rotate)
15	Boom Drift Reduction Valve	43	Auxiliary Pump
16	Grapple Control Valve	44	Stick II Control Valve
17	Main Relief Valve	45	Boom I Control Valve
18	Boom Raise Pressure Switch	46	Heel Control Valve
19	Pilot Control Valve (Travel)	47	Grapple Control Valve
20	Pilot Control Valve (Swing/Stick)	48	Right Travel Control Valve
21	Solenoid Valve (Fine Control)	49	Straight Travel Control Valve
22	Solenoid Valve (Travel Speed)	50	Left Travel Control Valve
23	Solenoid Valve (Swing Priority)	51	Stick I Control Valve
24	Proportional Reducing Valve	52	Boom II Control Valve
25	Pilot Control Valve (Boom/Bucket)	53	Line Relief Valve (Heel Cylinder Head End)
26	Pilot Filter	54	Line Relief Valve (Stick Cylinder Head End)
27	Shock Reducing Valve	55	Line Relief Valve (Boom Cylinder Rod End)
28	Accumulator	56	Line Relief Valve (Heel Cylinder Rod End)