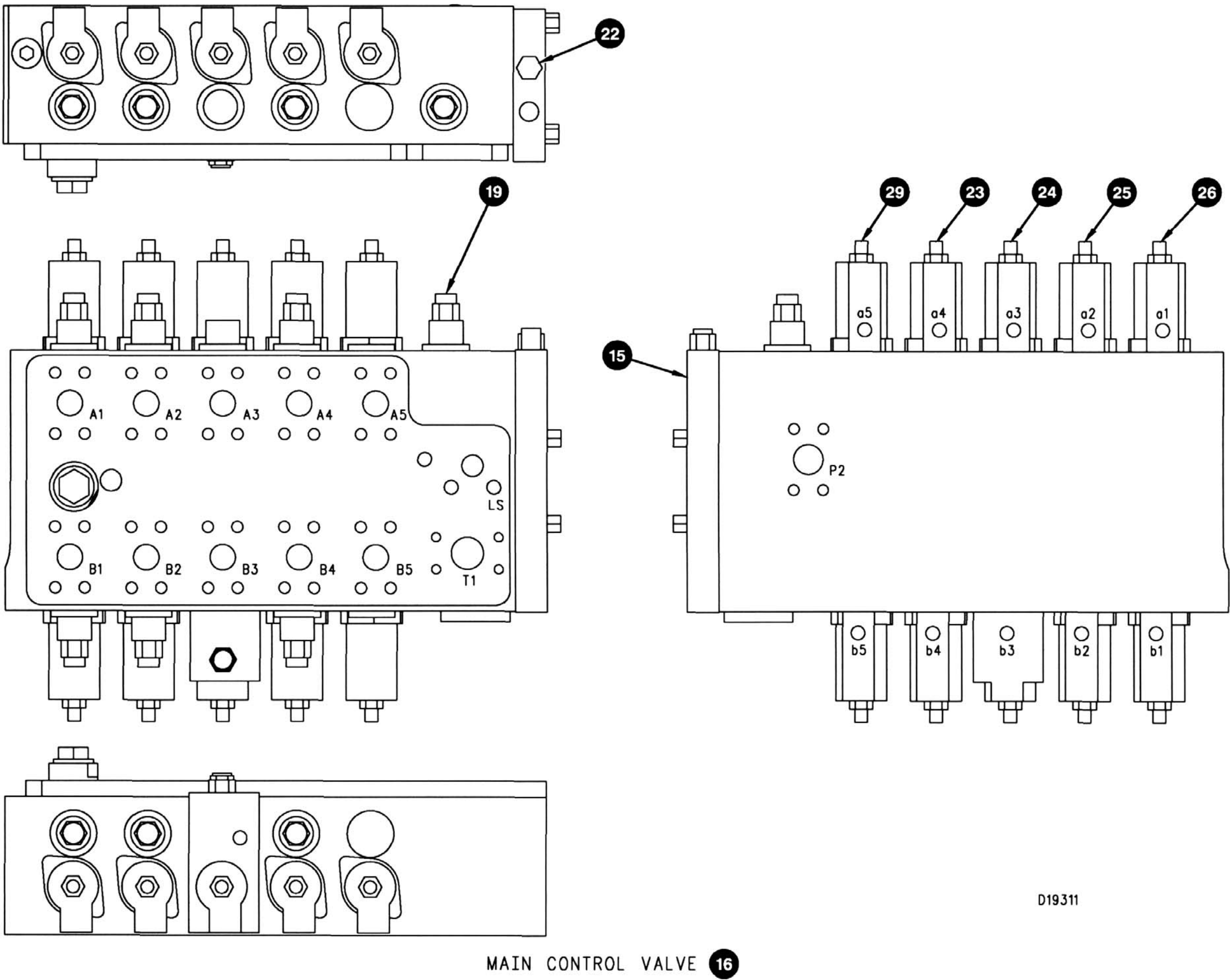




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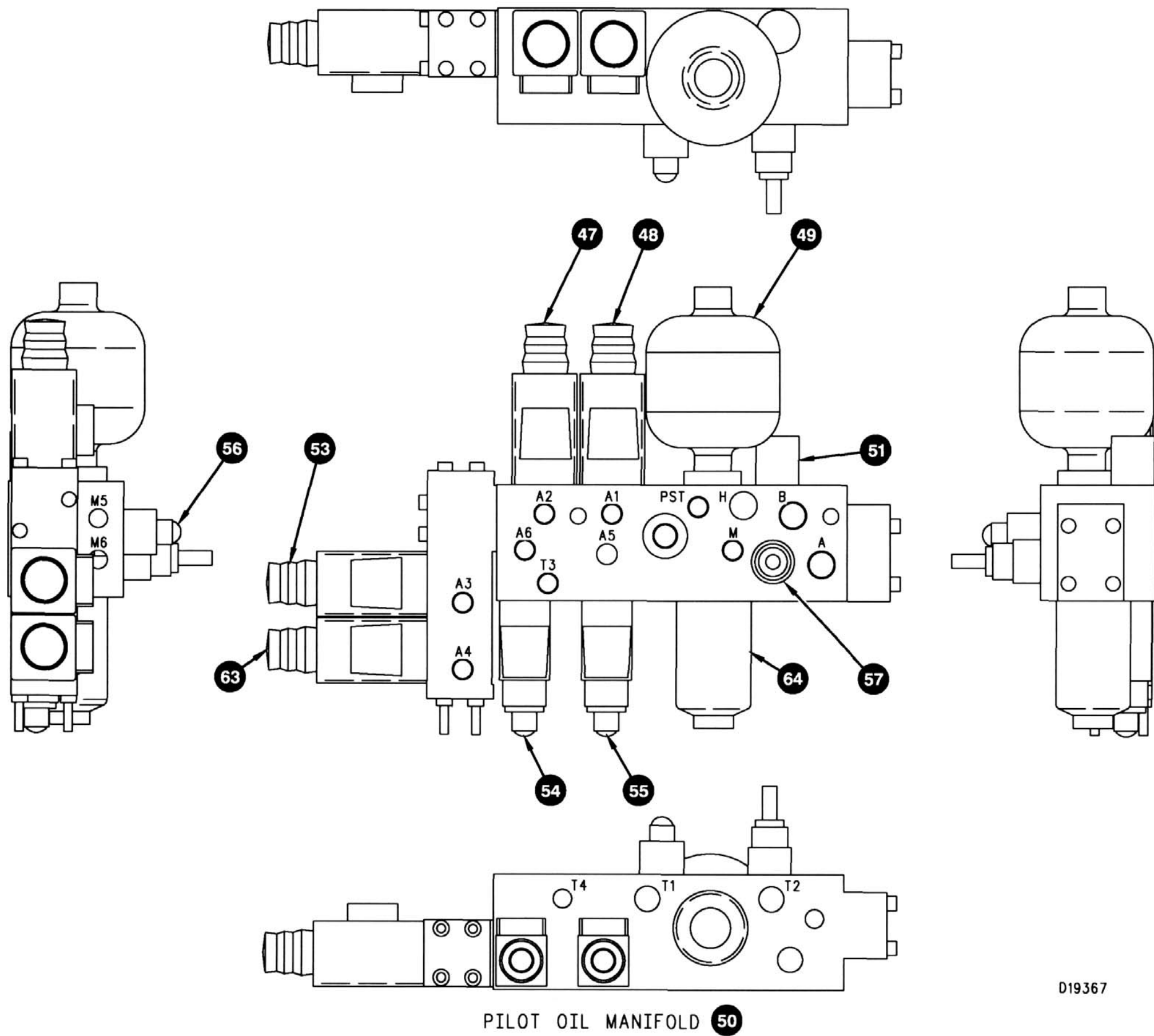
Schematic

M312 and M315 Excavators Hydraulic System

M312: 6TL1-409
M315: 7ML1-859

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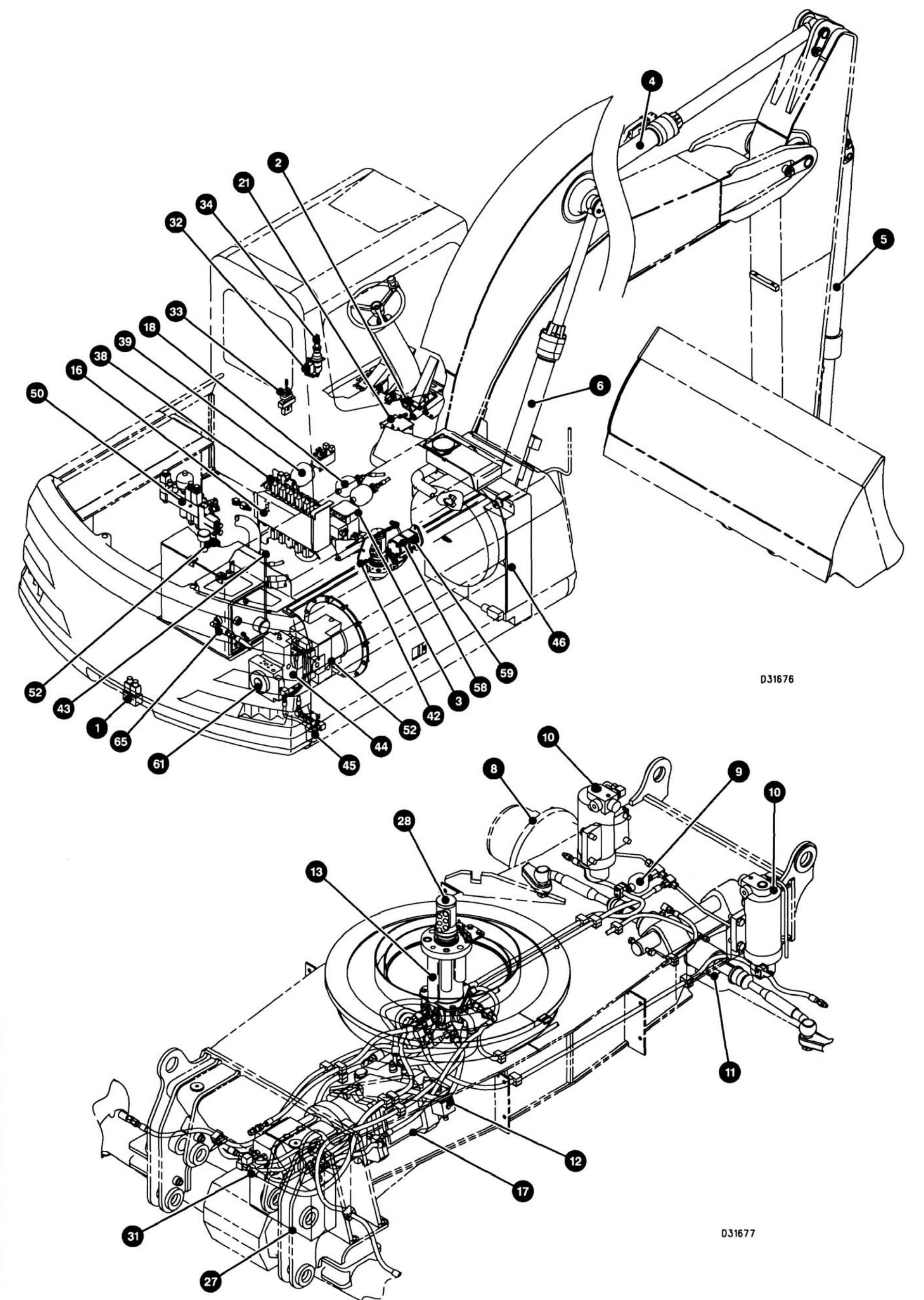
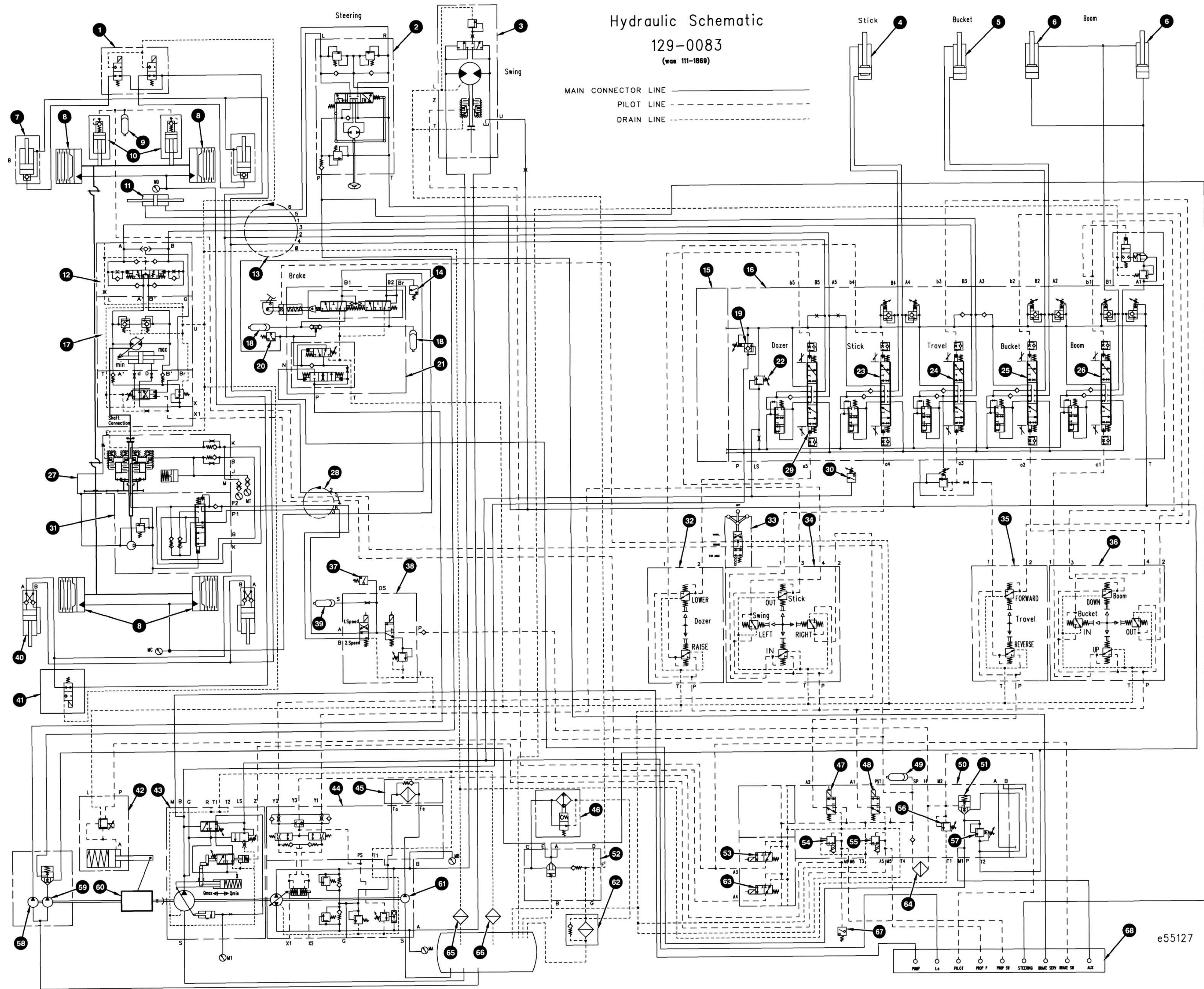
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D19367

STANDARD COMPONENTS			
Item No.	Component	Item No.	Component
1	Stabilizer Solenoid Valve	51	Travel Pilot Control Valve
2	Steering Valve	52	Boom/Bucket Pilot Control Valve
3	Swing Motor	53	Low Transmission Clutch Pressure Switch
4	Stick Cylinder	54	Transmission Shift/Parking Brake Control Valve
5	Bucket Cylinder	55	Transmission Clutch Accumulator
6	Boom Cylinder	56	Blade Cylinder
7	Stabilizer Cylinder	57	Blade Solenoid Valve
8	Wheel Brake	58	Governor Actuator
9	Oscillating Axle Accumulator	59	Main Pump
10	Oscillating Axle Cylinder	60	Swing Pump
11	Steering Cylinder	61	Swing Charge Filter
12	Travel Brake Valve	62	Oil Cooler
13	Bottom Swivel	63	Travel Activation Solenoid Valve
14	Brake Light Pressure Switch	64	Implement Activation Solenoid Valve
15	Attachment Control Valve	65	Pilot Accumulator
16	Main Control Valve	66	Pilot Manifold
17	Travel Motor	67	Steering Flow Control Valve
18	Wheel Brakes Accumulator	68	Return Oil Manifold
19	Main Relief Valve	69	Swing Brake Solenoid Valve
20	Low Brake Pressure Switch	70	Swing Pump Pressure Reducing Valve
21	Wheel Brake Valve	71	Main Pump Pressure Reducing Valve
22	Implement/Travel Signal Limiter Valve	72	Pilot Pressure Relief Valve
23	Stick Control Valve	73	Low Flow Pressure Relief Valve
24	Travel Control Valve	74	Brake/Pilot Pump
25	Bucket Control Valve	75	Steering/Coaling Pump
26	Boom Control Valve	76	Engine
27	Transmission	77	Swing Charge Pump
28	Top Swivel	78	Return Oil Filter
29	Dozer/Stabilizer Control Valve	79	Creeper Speed Solenoid Valve
30	Implement/Travel AEC Pressure Switch	80	Pilot Oil Filter
31	Downshift Inhibitor	81	Pilot/Transmission Drain Oil Screen
32	Dozer/Stabilizer Pilot Control Valve	82	Main/Swing Pump Drain Oil Screen
33	Oscillating Axle/Operating Brake Valve	83	Swing AEC Pressure Switch
34	Stick/Swing Pilot Control Valve	84	Pressure Tap Block

D31878



STANDARD COMPONENTS			
Item No.	Component	Item No.	Component
1	Stabilizer Solenoid Valve	25	Travel Pilot Control Valve
2	Steering Valve	26	Boom/Bucket Pilot Control Valve
3	Swing Motor	27	Low Transmission Clutch Pressure Switch
4	Stick Cylinder	28	Transmission Shift/Parking Brake Control Valve
5	Bucket Cylinder	29	Transmission Clutch Accumulator
6	Boom Cylinder	30	Blade Cylinder
7	Stabilizer Cylinder	31	Blade Solenoid Valve
8	Wheel Brake	32	Governor Actuator
9	Oscillating Axle Accumulator	33	Main Pump
10	Oscillating Axle Cylinder	34	Swing Pump
11	Steering Cylinder	35	Swing Charge Filter
12	Travel Brake Valve	36	Oil Cooler
13	Bottom Swivel	37	Travel Activation Solenoid Valve
14	Brake Light Pressure Switch	38	Implement Activation Solenoid Valve
15	Attachment Control Valve	39	Pilot Accumulator
16	Main Control Valve	40	Pilot Manifold
17	Travel Motor	41	Steering Flow Control Valve
18	Wheel Brakes Accumulator	42	Return Oil Manifold
19	Main Relief Valve	43	Swing Brake Solenoid Valve
20	Low Brake Pressure Switch	44	Swing Pump Pressure Reducing Valve
21	Wheel Brake Valve	45	Main Pump Pressure Reducing Valve
22	Implement/Travel Signal Limiter Valve	46	Pilot Pressure Relief Valve
23	Stick Control Valve	47	Low Flow Pressure Relief Valve
24	Travel Control Valve	48	Brake/Pilot Pump
25	Bucket Control Valve	49	Steering/Cooling Pump
26	Boom Control Valve	50	Engine
27	Transmission	51	Swing Charge Pump
28	Top Swivel	52	Return Oil Filter
29	Dozer/Stabilizer Control Valve	53	Creeper Speed Solenoid Valve
30	Implement/Travel AEC Pressure Switch	54	Pilot Oil Filter
31	Downshift Inhibitor	55	Pilot/Transmission Drain Oil Screen
32	Dozer/Stabilizer Pilot Control Valve	56	Main/Swing Pump Drain Oil Screen
33	Oscillating Axle/Operating Brake Valve	57	Swing AEC Pressure Switch
34	Stick/Swing Pilot Control Valve	58	Pressure Tap Block