

Schematic

320C Excavator
Hydraulic System - Attachment

BGB1-UP
BKK1-UP
RAW1-UP
SBN1-UP
GAD1-UP
TBR1-UP
SAH1-UP

Harvester Configuration

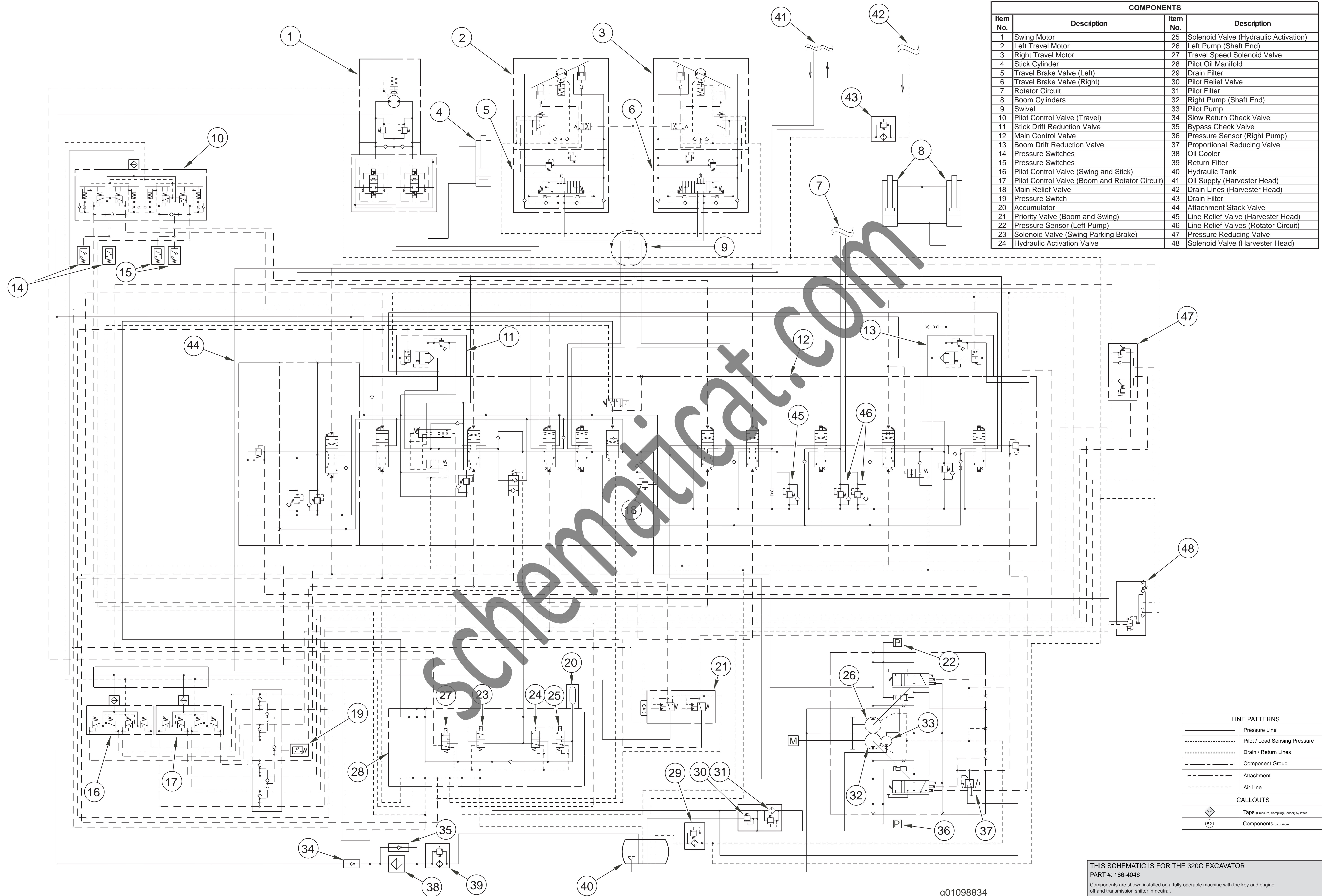
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FLUID POWER SYMBOLS					
BASIC COMPONENT SYMBOLS					
VALVE ENVELOPES			VALVES		VALVE PORTS
CONTROL VALVES			CHECK VALVES		
	MEASUREMENT			ROTATING SHAFTS	
FLUID STORAGE RESERVOIRS					
COMBINATION CONTROLS					
	MANUAL CONTROL SYMBOLS				
PILOT CONTROL SYMBOLS			REMOTE SUPPLY PRESSURE		
ACCUMULATORS		CROSSING AND JOINING LINES		HYDRAULIC AND PNEUMATIC CYLINDERS	
HYDRAULIC PUMPS		HYDRAULIC MOTORS		INTERNAL PASSAGEWAYS	

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Electrical Symbols Table			
Hydraulic Symbols (Electrical)			
Transducer (Fluid)	Transducer (Gas / Air)	Generator	Electric Motor
Pressure Switch	Pressure Switch (Adjustable)	Temperature Switch	Electrical Wire
Electrical Symbols (Electrical)			
Pressure Symbol	Temperature Symbol	Level Symbol	Flow Symbol
Wire Number Identification Codes			
Electrical Schematic Example		Hydraulic Schematic Example	
<p>Current Standard</p> <p>Harness identification code This example indicates wire 135 in harness "AG".</p> <p>325-AG135-PK-14</p> <p>Wire Gauge</p> <p>Wire Color</p> <p>Circuit Identification Number</p>		<p>Current Standard</p> <p>Circuit Number Identification</p> <p>Wire Color</p> <p>325-PK</p>	
<p>Previous Standard</p> <p>Wire</p> <p>Wire Color</p> <p>325-PK-14</p> <p>Wire Gauge</p> <p>Circuit Number Identification</p>		<p>(EXAMPLE VALVE)</p>	



COMPONENTS			
Item No.	Description	Item No.	Description
1	Swing Motor	25	Solenoid Valve (Hydraulic Activation)
2	Left Travel Motor	26	Left Pump (Shaft End)
3	Right Travel Motor	27	Travel Speed Solenoid Valve
4	Stick Cylinder	28	Pilot Oil Manifold
5	Travel Brake Valve (Left)	29	Drain Filter
6	Travel Brake Valve (Right)	30	Pilot Relief Valve
7	Rotator Circuit	31	Pilot Filter
8	Boom Cylinders	32	Right Pump (Shaft End)
9	Swivel	33	Pilot Pump
10	Pilot Control Valve (Travel)	34	Slow Return Check Valve
11	Stick Drift Reduction Valve	35	Bypass Check Valve
12	Main Control Valve	36	Pressure Sensor (Right Pump)
13	Boom Drift Reduction Valve	37	Proportional Reducing Valve
14	Pressure Switches	38	Oil Cooler
15	Pressure Switches	39	Return Filter
16	Pilot Control Valve (Swing and Stick)	40	Hydraulic Tank
17	Pilot Control Valve (Boom and Rotator Circuit)	41	Oil Supply (Harvester Head)
18	Main Relief Valve	42	Drain Lines (Harvester Head)
19	Pressure Switch	43	Drain Filter
20	Accumulator	44	Attachment Stack Valve
21	Priority Valve (Boom and Swing)	45	Line Relief Valves (Harvester Head)
22	Pressure Sensor (Left Pump)	46	Line Relief Valves (Rotator Circuit)
23	Solenoid Valve (Swing Parking Brake)	47	Pressure Reducing Valve
24	Hydraulic Activation Valve	48	Solenoid Valve (Harvester Head)

LINE PATTERNS	
	Pressure Line
	Pilot / Load Sensing Pressure
	Drain / Return Lines
	Component Group
	Attachment
	Air Line
CALLOUTS	
	Taps (Pressure, Sampling Sensor) by letter
	Components by number

g01098834

THIS SCHEMATIC IS FOR THE 320C EXCAVATOR
 PART #: 186-4046
 Components are shown installed on a fully operable machine with the key and engine off and transmission shifter in neutral.
 Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations