

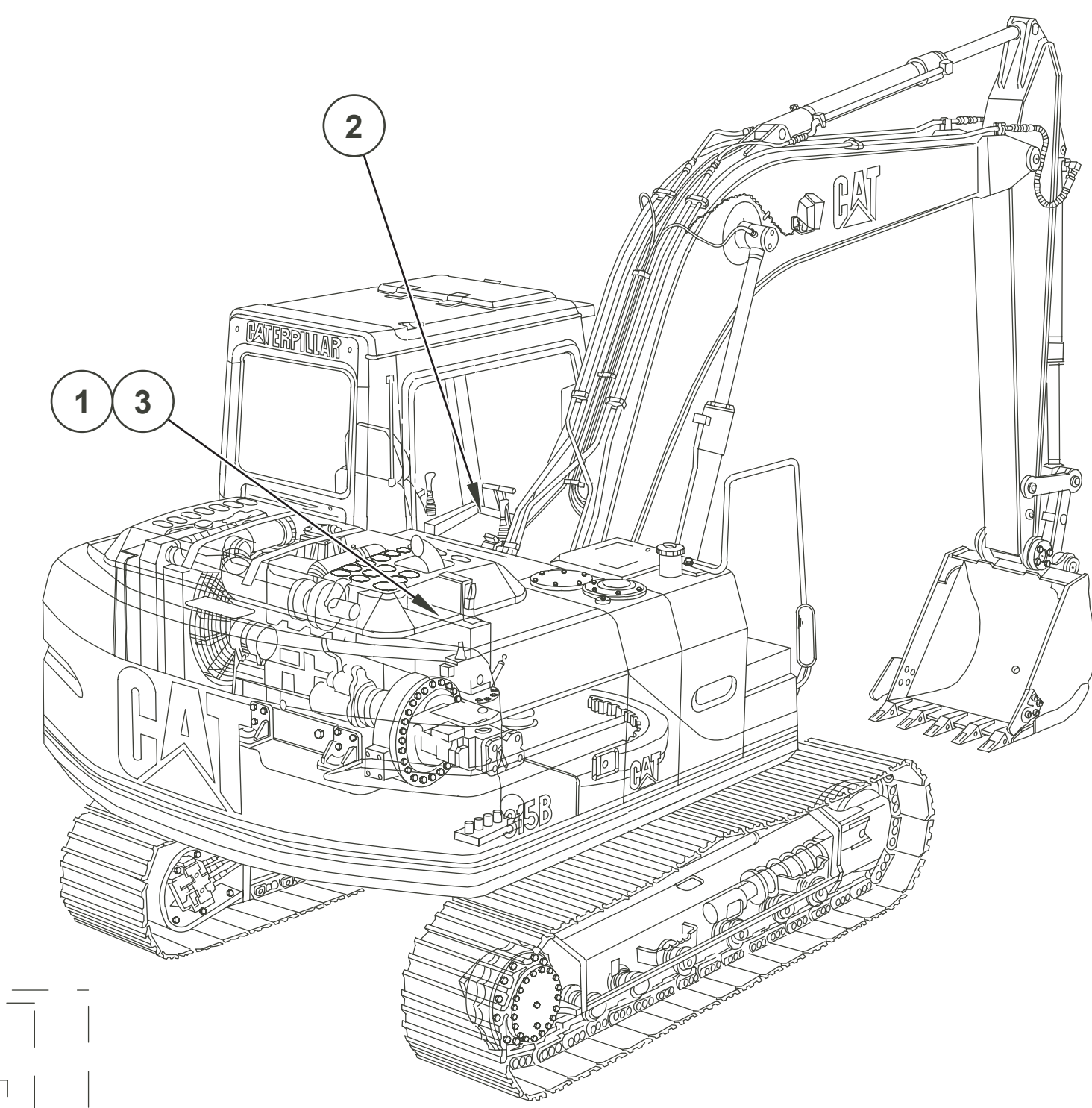
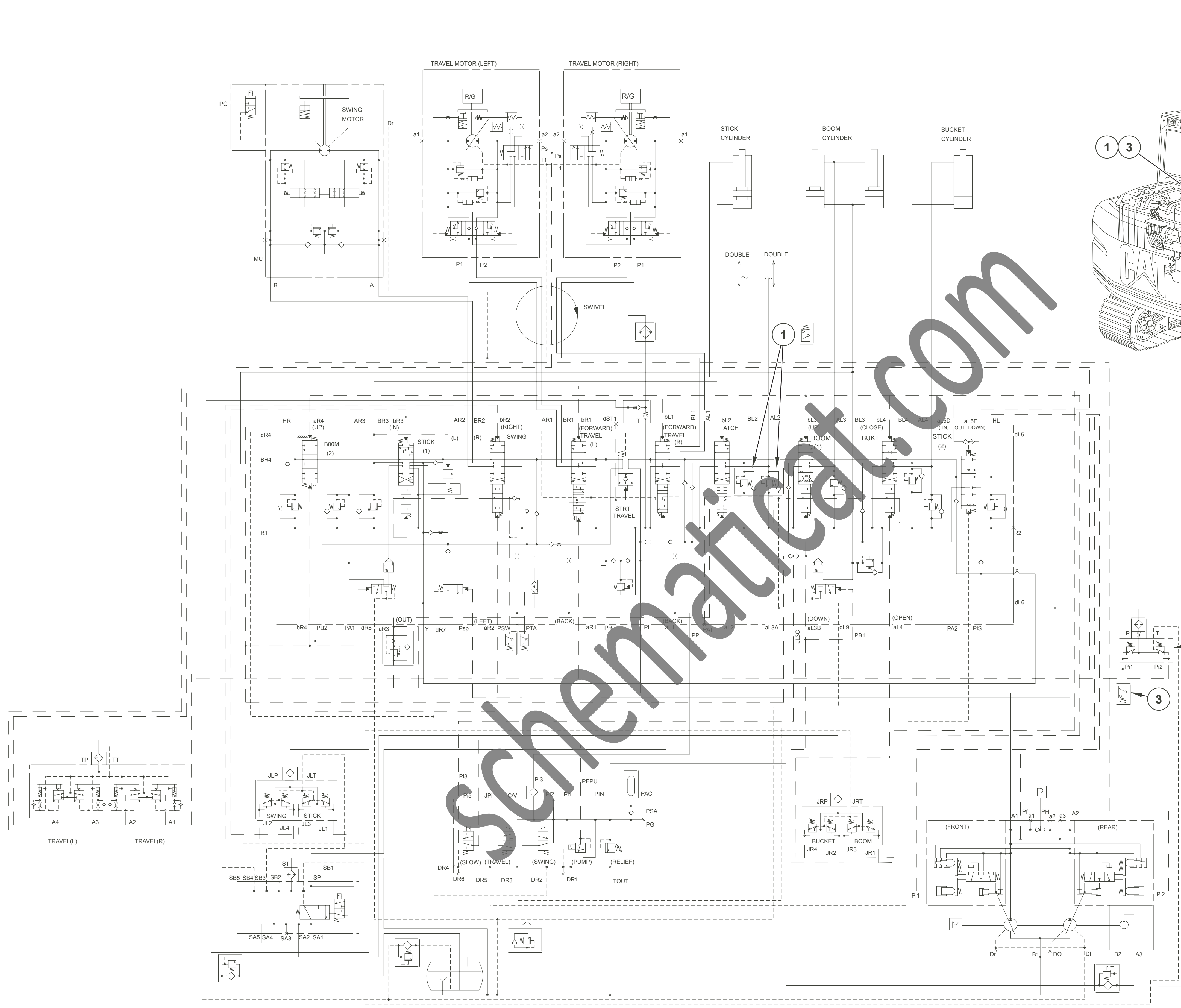
# Schematic

## 315B and 318B Excavators Double Action, One Pump Flow Hydraulic System - (Attachment)

315B: 1SW1-UP 2DW1-UP	315B L: 3AW1-UP	318B L: ADC1-UP 5B11-UP 3LR1-UP	318 B L N: AEJ1-UP 7KZ1-UP
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FLUID POWER SYMBOLS			
BASIC COMPONENT SYMBOLS			
PUMP & MOTOR	FLUID CONDITIONER	SPRING	CONTROL VALVES
RESTRICTION	LINE RESTRICTION (FIXED)	LINE RESTRICTION (VARIABLE)	LINE RESTRICTION (VARIABLE) WITH AUXILIARY PRESSURE COMPENSATED
VARIABLE	SPRING (ADJUSTABLE)	LINE RESTRICTION (VARIABLE)	PRESSURE COMPENSATION
HYDRAULIC ENERGY TRIANGLES	PNEUMATIC	LINE RESTRICTION VARIABLE AND PRESSURE COMPENSATED	ATTACHMENT
VALVES			
VALVE ENVELOPES		VALVE PORTS	
ONE POSITION	TWO POSITION	THREE POSITION	FOUR WAY
CONTROL VALVES		CHECK VALVES	
NORMAL POSITION	SHIFTED POSITION	INFINITE POSITION	BASIC SYMBOL
SPRING LOADED	SHUTTLE	PILOT CONTROLLED	
MEASUREMENT		ROTATING SHAFTS	
PRESSURE	TEMPERATURE	FLOW	UNIDIRECTIONAL
			BIDIRECTIONAL
FLUID STORAGE RESERVOIRS			
VENTED	PRESSURIZED	RETURN ABOVE FLUID LEVEL	RETURN BELOW FLUID LEVEL
COMBINATION CONTROLS			
SOLENOID	SOLENOID OF MANUAL	SOLENOID AND PILOT	SOLENOID AND PILOT OF MANUAL
SERVO	THERMAL	DETENT	
MANUAL CONTROL SYMBOLS			
PUSH-PULL LEVER	MANUAL SHUTOFF	GENERAL MANUAL	PUSH BUTTON
PEDAL	SPRING		
PILOT CONTROL SYMBOLS			
RELEASED PRESSURE		REMOTE SUPPLY PRESSURE	
EXTERNAL RETURN	INTERNAL RETURN	SIMPLIFIED	COMPLETE
		INTERNAL SUPPLY PRESSURE	
ACCUMULATORS		CROSSING AND JOINING LINES	
SPRING LOADED	GAS CHARGED	LINES CROSSING	LINES JOINING
HYDRAULIC PUMPS		HYDRAULIC MOTORS	
FIXED DISPLACEMENT	VARIABLE DISPLACEMENT NON-COMPENSATED	FIXED DISPLACEMENT	VARIABLE DISPLACEMENT NON-COMPENSATED
UNIDIRECTIONAL		UNIDIRECTIONAL	
BIDIRECTIONAL		BIDIRECTIONAL	
HYDRAULIC AND PNEUMATIC CYLINDERS			
SINGLE ACTING		DOUBLE ACTING	
INTERNAL PASSAGEWAYS			
INFINITE POSITIONING		THREE POSITION	
TWO POSITION			
FLOW IN ONE DIRECTION	PARALLEL FLOW	CROSS FLOW	FLOW ALLOWED IN EITHER DIRECTION

SchematicCat.com



**Hydraulic Schematic**  
**131-5801**

This Attachment Schematic is intended to be used in conjunction with the Standard Hydraulic Schematic in this Service Manual.

- MAIN CONNECTOR LINE
- - - - - PILOT LINE
- ..... DRAIN LINE

ATTACHMENT COMPONENTS	
Item No.	Description
1	Valve Assembly - Check and Relief
2	Valve Group - Pilot
3	Pressure Switch As