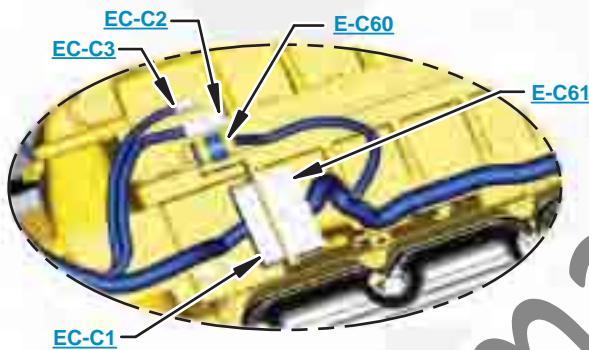




This document is best viewed at a screen resolution of 1024 X 768.

To set your screen resolution do the following:
RIGHT CLICK on the **DESKTOP**.
 Select **PROPERTIES**.
CLICK the **SETTINGS TAB**.
MOVE THE SLIDER under **SCREEN RESOLUTION** until it shows **1024 X 768**.
CLICK OK to apply the resolution.

The Bookmarks panel will allow you to quickly navigate to points of interest.



Click on any text that is BLUE and underlined. These are hyperlinks that can be used to navigate the schematic and machine views.

VIEW ALL CALLOUTS

When only one callout is showing on a machine view this button will make all of the callouts visible. This button is located in the top right corner of every machine view page.

HOTKEYS (Keyboard Shortcuts)		
	FUNCTION	KEYS
	Zoom In	"CTRL" / "+"
	Zoom Out	"CTRL" / "-"
	Fit to Page	"CTRL" / "0" (zero)
	Hand Tool	"SPACEBAR" (hold down)
	Find	"CTRL" / "F"



Schematic

320B Excavator
Hydraulic System - Attachment
Common Piping

4NR1-UP
5BR1-UP
6CR1-UP

schematiccat.com

This attachment schematic is to be used in conjunction with the Standard Schematic in this Service Manual.

COMPONENT LOCATION



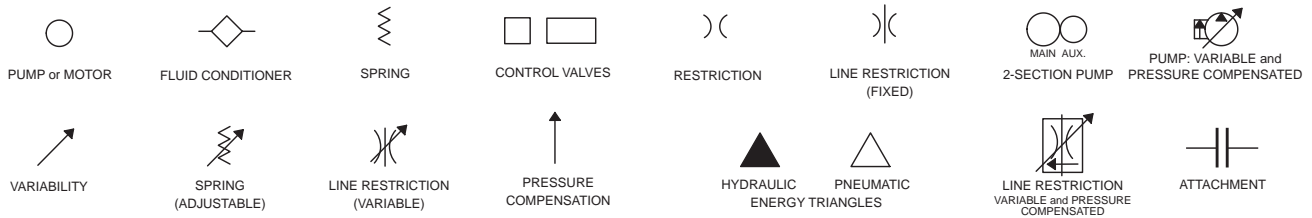
Description	Part Number	Machine Location	Schematic Location
Switch As - Pressure	106-0181	1	B-2
Valve Gp - Ball 1	41-6264	2	E-3, D-2
Valve Gp - Ball 2	41-6363	3	B-3
Valve Gp - Check	105-7266	4	D-4
Valve Gp - Check and Relief	41-6301	5	E-2
Valve Gp - Orifice Tee	41-6327	6	C-4
Valve Gp - Pilot	123-2604	7	B-2
Valve Gp - Pressure	119-5219	8	D-2
Valve Gp - Pressure Control	116-3600	9	C-4

SchematicCat.com

FLUID POWER SYMBOLS



BASIC COMPONENT SYMBOLS



VALVE ENVELOPES

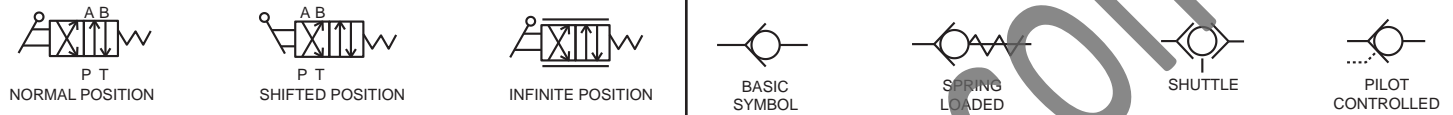
VALVES

VALVE PORTS



CONTROL VALVES

CHECK VALVES



FLUID STORAGE RESERVOIRS



MEASUREMENT

ROTATING SHAFTS



COMBINATION CONTROLS



MANUAL CONTROL SYMBOLS



RELEASED PRESSURE

PILOT CONTROL SYMBOLS

REMOTE SUPPLY PRESSURE



ACCUMULATORS

CROSSING AND JOINING LINES

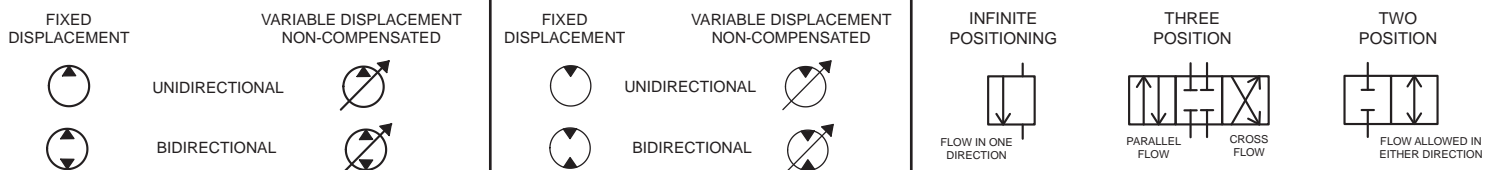
HYDRAULIC AND PNEUMATIC CYLINDERS



HYDRAULIC PUMPS

HYDRAULIC MOTORS

INTERNAL PASSAGEWAYS



ELECTRICAL SYMBOLS



Hydraulic Symbols (Electrical)



Transducer
(Fluid)



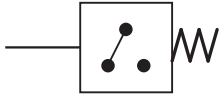
Transducer
(Gas / Air)



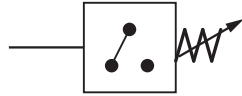
Generator



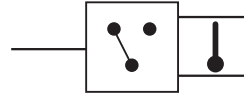
Electric Motor



Pressure Switch



Pressure Switch
(Adjustable)

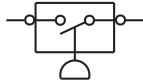


Temperature Switch

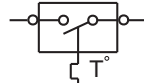


Electrical Wire

Electrical Symbols (Electrical)



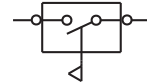
Pressure
Symbol



Temperature
Symbol



Level
Symbol

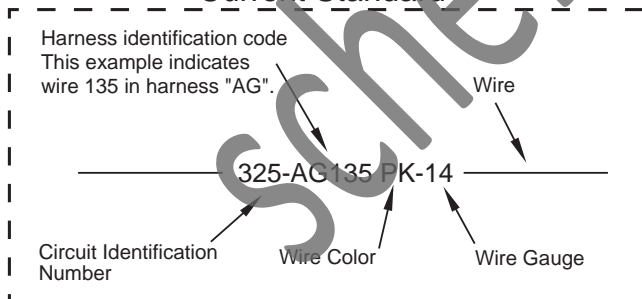


Flow
Symbol

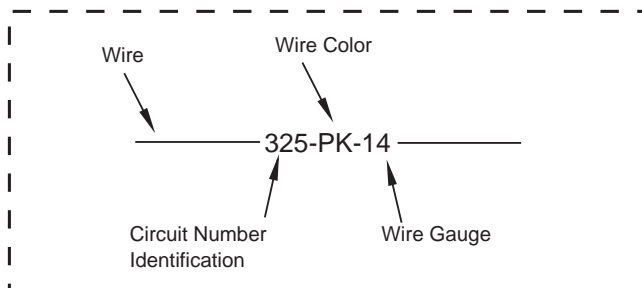
Wire Number Identification Codes

Electrical Schematic Example

Current Standard

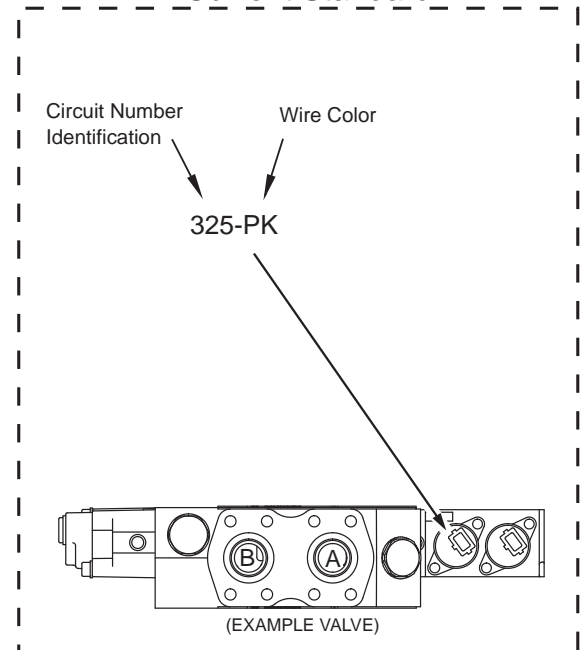


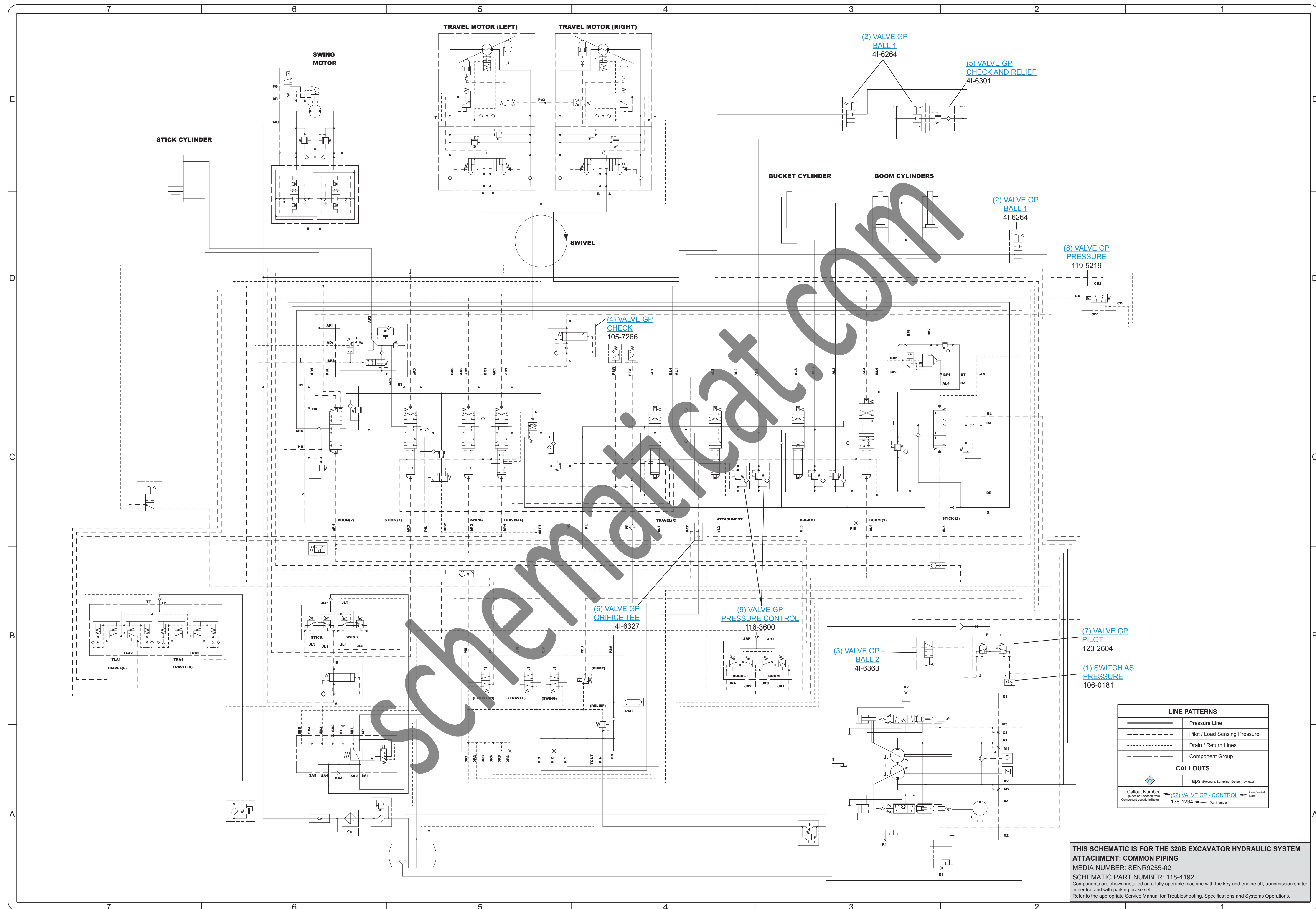
Previous Standard



Hydraulic Schematic Example

Current Standard





Schematocat.com

LINE PATTERNS	
	Pressure Line
	Pilot / Load Sensing Pressure
	Drain / Return Lines
	Component Group

CALLOUTS	
	TapPS (Pressure, Sampling, Sensor - by letter)
Callout Number 138-1234	152 VALVE GP - CONTROL 138-1234
	Component Name

THIS SCHEMATIC IS FOR THE 320B EXCAVATOR HYDRAULIC SYSTEM
ATTACHMENT: COMMON PIPING
 MEDIA NUMBER: SENR9255-02
 SCHEMATIC PART NUMBER: 118-4192
 Components are shown installed on a fully operable machine with the key and engine off, transmission shifter in neutral and with parking brake set.
 Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.

(2) VALVE GP BALL 1
41-6264

(5) VALVE GP CHECK AND RELIEF
41-6301

(8) VALVE GP PRESSURE
119-5219

(4) VALVE GP CHECK
105-7266

(6) VALVE GP ORIFICE TEE
41-6327

(9) VALVE GP PRESSURE CONTROL
116-3600

(3) VALVE GP BALL 2
41-6363

(7) VALVE GP PILOT
123-2604

(1) SWITCH AS PRESSURE
106-0181

MACHINE COMPONENT LOCATIONS

