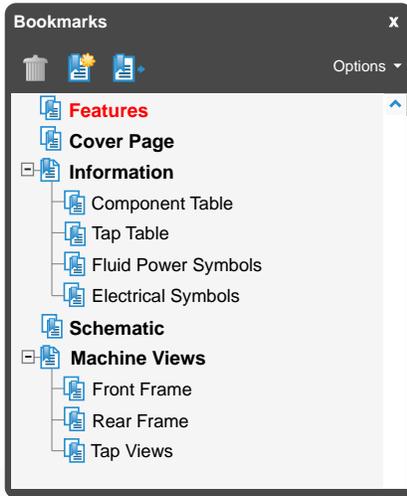


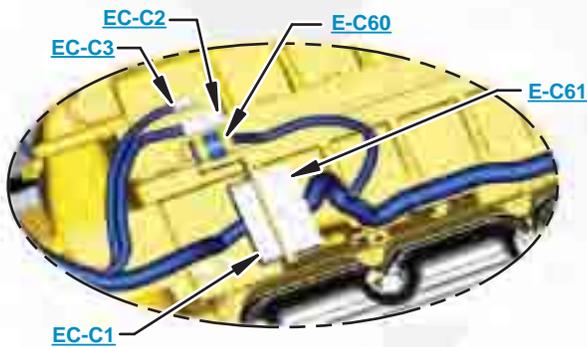
# INTERACTIVE SCHEMATIC



***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

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## 325C Excavator Hydraulic System

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### **325C:**

**BLA 1-UP**

**BTD1-UP**

**BFE1-UP**

**AMH1-UP**

**BKH1-UP**

**BMM1-UP**

**BKT1-UP**

**BKW1-UP**

**BLX1-UP**

# COMPONENT LOCATION

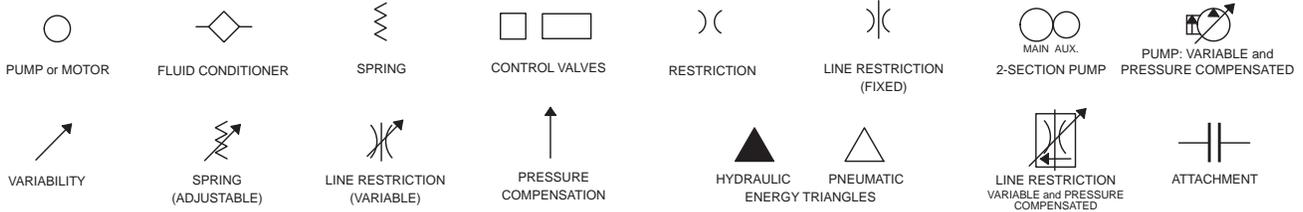


Description	Part Number	Machine Location	Schematic Location
Accumulator Gp	4I-1536	<a href="#">1</a>	<a href="#">B-4</a>
Cylinder Gp - Boom	179-9788	<a href="#">2</a>	<a href="#">E-2</a>
Cylinder Gp - Bucket	158-8998	<a href="#">3</a>	<a href="#">E-3</a>
Cylinder Gp - Stick	179-9790	<a href="#">4</a>	<a href="#">E-6</a>
Filter Gp - Drain	126-2075	<a href="#">5</a>	<a href="#">A-3</a>
Filter Gp - Pilot	158-8987	<a href="#">6</a>	<a href="#">A-3</a>
Filter Gp - Return	188-4140	<a href="#">7</a>	<a href="#">A-5</a>
Manifold Gp - Pilot Control	215-5037	<a href="#">8</a>	<a href="#">B-4</a>
Motor Gp - Fan	179-9778	<a href="#">9</a>	<a href="#">A-6</a>
Motor Gp - Swing	179-9775	<a href="#">10</a>	<a href="#">E-5</a>
Motor Gp - Travel (Left)	215-9952	<a href="#">11</a>	<a href="#">E-4</a>
Motor Gp - Travel (Right)	215-9952	<a href="#">12</a>	<a href="#">E-3</a>
Switch As - Pressure	167-3466	<a href="#">13</a>	<a href="#">C-6</a>
Switch As - Pressure (Implement / Swing)	167-3466	<a href="#">14</a>	<a href="#">B-6</a>
Swivel Gp	159-7841	<a href="#">15</a>	<a href="#">D-4</a>
Tank Gp - Hydraulic	176-4618	<a href="#">16</a>	<a href="#">A-4</a>
Valve Gp - Attachment Control	171-0146	<a href="#">17</a>	<a href="#">C-3</a>
Valve Gp - Boom Drift Reduction	264-9963	18	<a href="#">D-2</a>
Valve Gp - Logic	185-0462	19	<a href="#">B-7</a>
Valve Gp - Main Control	258-0284	<a href="#">20</a>	<a href="#">C-3</a>
Valve Gp - Oil Cooler Bypass Check	173-4672	<a href="#">21</a>	<a href="#">A-6</a>
Valve Gp - Pilot Control (Boom / Bucket)	206-3303	<a href="#">22</a>	<a href="#">C-6</a>
Valve Gp - Pilot Control (Swing / Stick)	206-3304	<a href="#">23</a>	<a href="#">C-7</a>
Valve Gp - Pilot Control (Travel)	158-8250	<a href="#">24</a>	<a href="#">C-7</a>
Valve Gp - Pilot Relief	215-4909	<a href="#">25</a>	<a href="#">A-3</a>
Valve Gp - Pressure Reducing (Boom/Swing Priority)	232-4102	26	<a href="#">B-3</a>
Valve Gp - Relief (Cooling Pump)	204-2772	27	<a href="#">A-6</a>
Valve Gp - Relief (Negative Flow Control)	109-5152	<a href="#">28</a>	<a href="#">C-5</a>
Valve Gp - Solenoid (Hydraulic Activation)	121-1491	<a href="#">29</a>	<a href="#">A-4</a>
Valve Gp - Stick Drift Reduction	264-9962	30	<a href="#">D-5</a>
Valve Gp - Variable Swing Priority	153-5295	31	<a href="#">C-4</a>

# FLUID POWER SYMBOLS



## BASIC COMPONENT SYMBOLS



## VALVE ENVELOPES

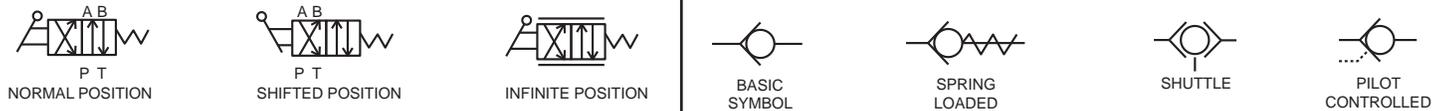
## VALVES

## VALVE PORTS



## CONTROL VALVES

## CHECK VALVES

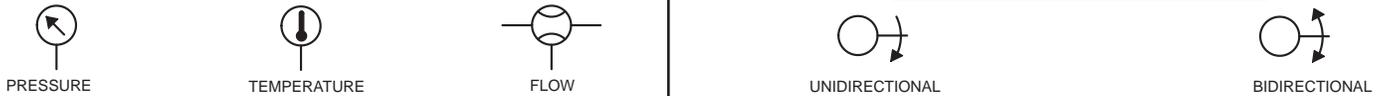


## FLUID STORAGE RESERVOIRS



## MEASUREMENT

## ROTATING SHAFTS



## COMBINATION CONTROLS



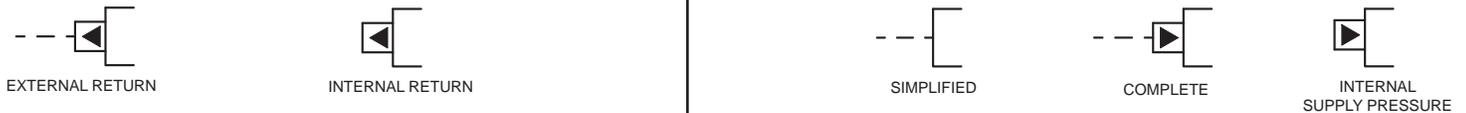
## MANUAL CONTROL SYMBOLS



## RELEASED PRESSURE

## PILOT CONTROL SYMBOLS

## REMOTE SUPPLY PRESSURE



## ACCUMULATORS

## CROSSING AND JOINING LINES

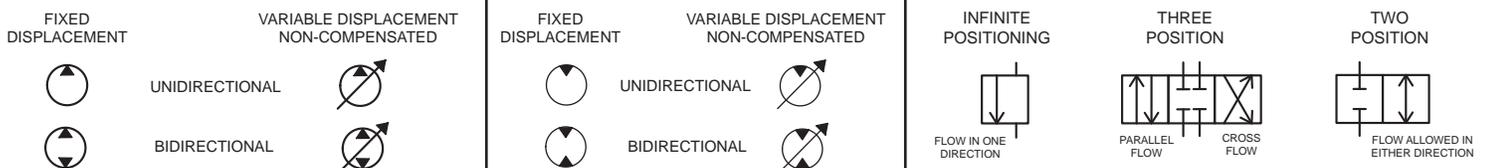
## HYDRAULIC AND PNEUMATIC CYLINDERS



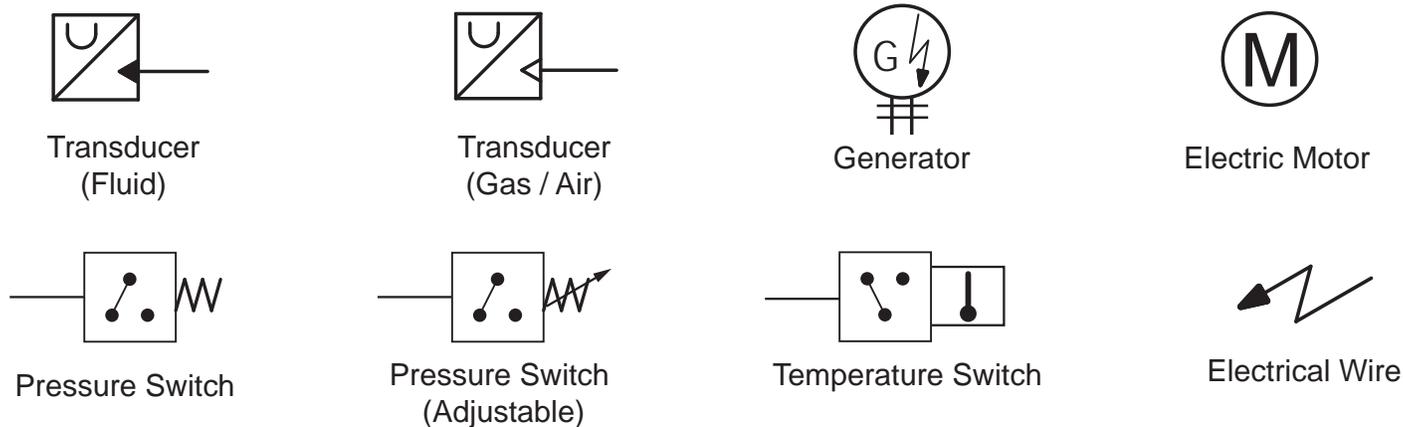
## HYDRAULIC PUMPS

## HYDRAULIC MOTORS

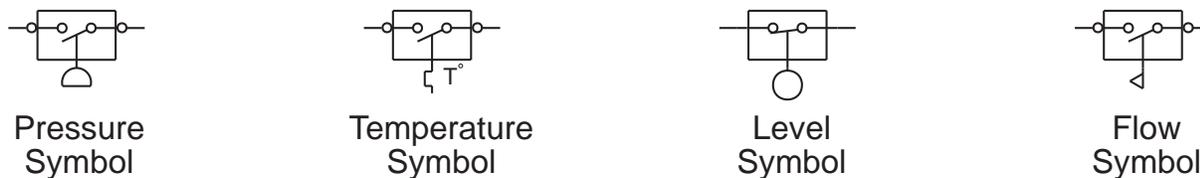
## INTERNAL PASSAGEWAYS



### Hydraulic Symbols (Electrical)

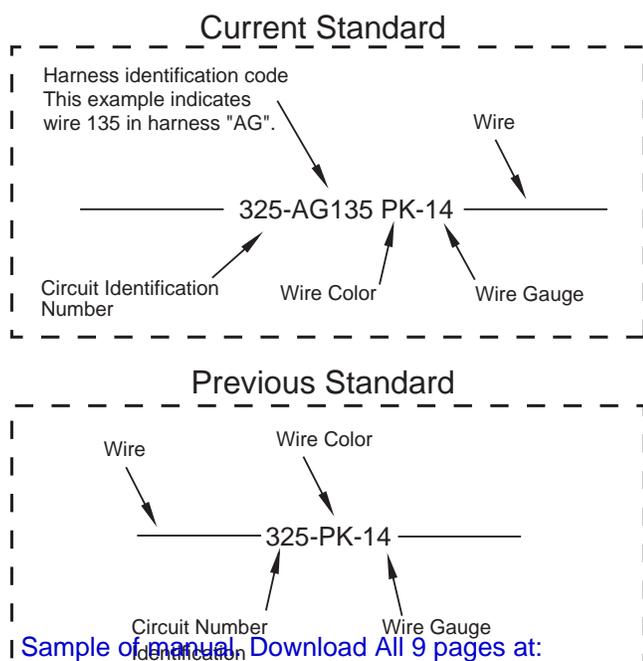


### Electrical Symbols (Electrical)



### Wire Number Identification Codes

#### Electrical Schematic Example



#### Hydraulic Schematic Example

