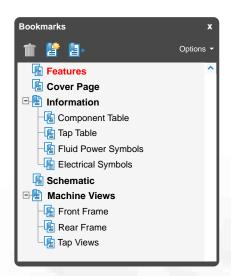
## **INTERACTIVE SCHEMATIC**





# 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.

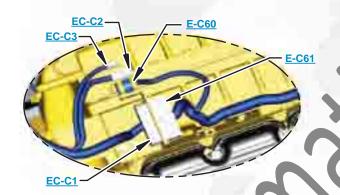
**CLICK** the **SETTINGS TAB**.

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

# 318D<sub>2</sub> Excavator Hydraulic System

JEB1-UP HAH1-UP

XAH1-UP

XGS1-UP

TZS1-UP

# **COMPONENT LOCATION**



Description	Part	Machine	Schematic
Accumulator Gp - Hydraulic (Charged)	Number 164-6981	Location 1	Location B-4
Control Gp - Joystick (LH)	297-0533	<u> </u>	<u>A-8</u>
Control Gp - Joystick (RH)	297-0532	3	<u>A-7</u>
Filter & Valve Gp - Pilot (Hydraulic Oil)	158-8987	4	B-3
Filter Gp - Oil (Hydraulic, Case Drain)	289-8194		<u>D 3</u>
Filter Gp - Oil (Hydraulic, Main Return)	259-0869	2	<u>A-4</u>
Manifold Gp - Control (Pilot Oil)	215-5037		<u>B-5</u>
Motor Gp - Swing	369-9604		<u>F-6</u>
Motor Gp - Travel (Left)	185-6953	9	<u>F-8</u>
Motor Gp - Travel (Right)	185-6953	10	<u>F-7</u>
Pump Gp - Piston (Double Piston)	391-9452	<u>11</u>	<u>A-3</u>
Radiator & Hydraulic Oil Cooler Gp	390-8837	<u>12</u>	<u>C-2</u>
Screen Gp - Hydraulic (Tank)	259-0920	<u>13</u>	<u>A-4</u>
Switch As - Pressure (Implement)	309-5768	<u>14</u>	<u>E-5</u>
Swivel Gp	162-4696	<u>15</u>	<u>E-7</u>
Tank & Filter Gp - Hydraulic	260-8205	<u>16</u>	<u>A-4</u>
Valve Gp - Check (Cololer Bypass)	171-0002	<u>17</u>	<u>C-2</u>
Valve Gp - Main Control	420-2243	<u>18</u>	<u>D-4</u>
Valve Gp - Pilot	369-8503	<u>19</u>	<u>B-8</u>
Valve Gp - Pressure Reducing (Boom Priority)	285-1613	<u>20</u>	<u>C-2</u>
Valve Gp - Shuttle (B)	164-6979	<u>21</u>	<u>C-5</u>
Valve Gp - Travel Counterbalance (Left)	199-0504	<u>22</u>	<u>E-8</u>
Valve Gp - Travel Counterbalance (Right)	199-0504	<u>23</u>	<u>E-7</u>
Valve Gp - Swing Cushion (Crossover Relief)	369-9628	<u>24</u>	<u>E-6</u>

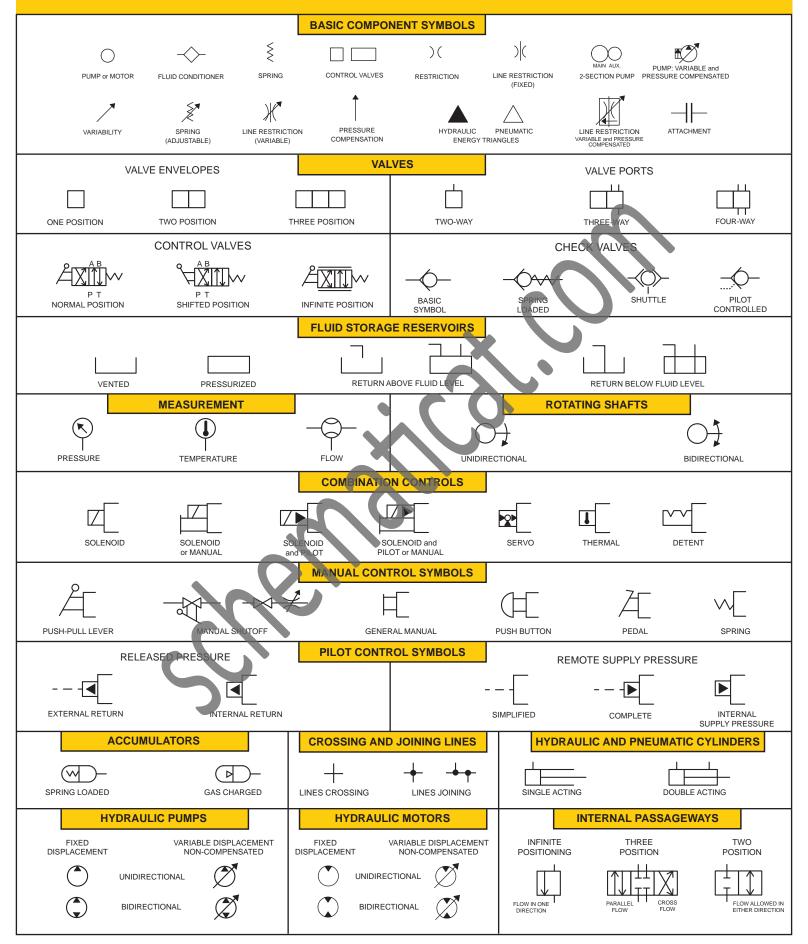
# **TAP LOCATION**



Tap Number	Description	Schematic Location
AA	Idler Pump Delivery Pressure	<u>B-3</u>
<u>BB</u>	Drive Pump Delivery Pressure	<u>A-3</u>
CC	Power Shift Pressure	<u>A-2</u>
<u>DD</u>	Pump Case Pressure	<u>A-2</u>
<u>PG</u>	Pilot Pump Delivery Pressure	<u>B-3</u>
SOS	Oil Sampling Port	<u>B-3</u>

#### **FLUID POWER SYMBOLS**





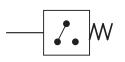
#### **ELECTRICAL SYMBOLS**



#### **Hydraulic Symbols (Electrical)**



Transducer (Fluid)



Pressure Switch



Transducer (Gas / Air)



Generator



**Electric Motor** 



Pressure Switch (Adjustable)



Temperature Switch



**Electrical Wire** 

#### **Electrical Symbols (Electrical)**



Pressure Symbol

Circuit Identification

Number



Temperature Symbol

Wire Gauge



Level Symbol



Flow Symbol

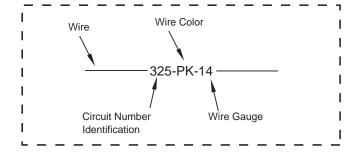
#### **Wire Number Identification Codes**

#### **Electrical Schematic Example**

# Current Standard Harness identification code This example indicates wire 135 in harness "AG". Wire 325-AG 135 PK-14

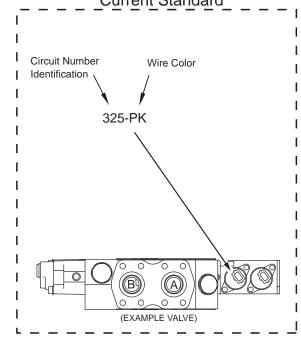
#### **Previous Standard**

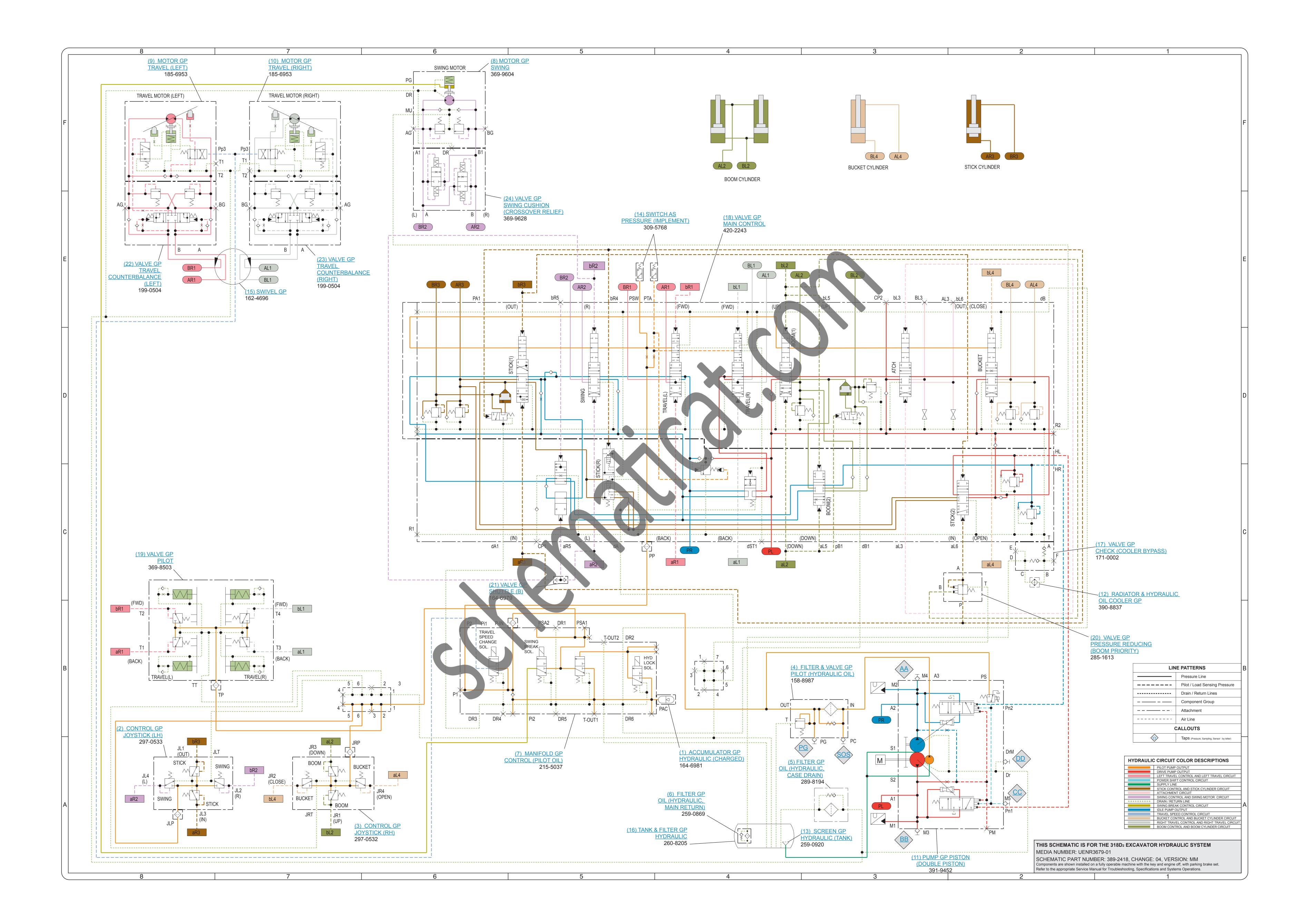
Wire Color



#### **Hydraulic Schematic Example**

#### Current Standard





## **MACHINE COMPONENT LOCATION**



