INTERACTIVE SCHEMATIC





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



*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.

*Due to different monitor sizes and RDF reader preferences there may be some variance in linked schematic locations

> Click here to save a copy of this interactive schematic to your desktop

VIEW ALL CALLOUTS

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

When only one callout is showing on a machine view, clicking on 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)		
\mathbb{C}	Hand Tool	"SPACEBAR" (hold down)		
	Find	"CTRL" / "F"		

	ELEC	TRICAL SYN	IBOLS		BASIC HY	DRAULIC
-					COMPONEN	T SYMBOLS
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Pressure Switch	Temperature Switch	Level Switch	Flow Switch	Circuit Breaker	Pump or Motor	Variabil
Cli	ck he	re to	view	the	\rightarrow	X
Sc	chem	atic S	ymb	ols	Fluid Conditioner	Spring (Adjusta)
an	d Def	<u>initio</u>	ns pa	age		

Variability Ž Spring Adjustable



SCHEMATIC SYMBOLS AND DEFINITIONS





	Switch (Normally Closed): A switch that will open at a specified point (temp, press, etc.). No circle indicates that the wire cannot be disconnected from the component.	Part Number: for 1 (
	Ground (Wired): This indicates that the component is connected to a grounded wire. The grounded wire is fastened to the machine.			
	Ground (Case): This indicates that the component does not have a wire connected to ground. It is grounded by being fastened to the machine.	Harness Identification Letter(s): (A, B, C, AA, AB, AC,)		
	Reed Switch: A switch whose contacts are controlled by a magnet. A magnet closes the contacts of a normally open reed switch; it opens the contacts of a normally closed reed switch.	Harness Connector Serialization Code: The "C" stands for "Connector" and the number indicates which connector in the harness (C1, C2, C3,)		
	Sender: A component that is used with a temperature or pressure gauge. The sender measures the temperature or pressure.	L-C12 3E-5179		
	Relay (Magnetic Switch): A relay is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close the switch part of the relay.	Fuse (5 Amps) 9X-1123 Component Part Number 325-AG135 PK-14		
	Solenoid: A solenoid is an electrical component that is activated by electricity. It has a coil that makes an electromagnet when current flows through it. The electromagnet can open or close a valve or move a piece of metal that can do work.	Wire Gauge wire 135 in harness "AG". Wire Color Wire Color Wire Color Wire Color		
Magnetic Latch Solenoid: An electrical component that is activated by electricity and held latched by a permanent magnet. It has two coils (latch and unlatch) that make electromagnet when current flows through them. It also has an internal switch that places the latch coil circuit open at the time the coil latches.		sockets and the receptacle contains all pins. Sure-Seal connector: Typical representation of a Sure-Seal connector. The plug and receptacle contain both pins and sockets.		

CATERPILLAR®



793F APECS Transmission Electrical System

SND1-UP SSP1-UP

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Component Location			
Component	Schematic Location	Machine Location	
Sensor - XMSN Input Speed	<u>G-3</u>	<u>1</u>	
Sensor - XMSN Intermediate Speed	<u>D-4</u>	<u>2</u>	_
Sensor - XMSN Lube Oil Temperature	<u>G-3</u>	<u>3</u>	
Solenoid - XMSN Clutch 1	<u>E-6</u>	4	
Solenoid - XMSN Clutch 2	<u>D-6</u>	<u>5</u>	
Solenoid - XMSN Clutch 3	<u>D-6</u>	<u>6</u>	
Solenoid - XMSN Clutch 4	<u>D-6</u>	<u>7</u>	
Solenoid - XMSN Clutch 5	<u>D-6</u>		
Solenoid - XMSN Clutch 6	<u>C-6</u>	<u>9</u>	



Connector Location			
Connector Number	Schematic Location		
<u>CONN 1</u>	<u>G-5</u>		
CONN 2	<u>E-3</u>		
CONN 3	<u>G-1</u>		



Related Electrical Service Manuals		
Title	Form Number	
Cross Reference for Electrical Connectors:	REHS0970	
Systems Operations:	KENR8392	
Troubleshooting:	KENR8394	



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WIRE GROUP COLOR DESCRIPTIONS WIRE GROUP COLOR DESCRIPTIONS MURCE GROUP COLOR DESCRIPTIONS MU	B		Callout Number Component Callout Number Component Callout Number Component Machine Location from (52) VALVE GP - CONTROL Component Locations Table Component 138-1234 Part Number VI VELOVIX
	A	IDENT PART NUMBER CHANGE SHEET LOC DESCRIPTION NOTE HARNESS AS.	WIRE GROUP COLOR DESCRIPTIONS WIRES THAT HAVE SYSTEM VOLTAGE WHEN THE KEY SWITCH IS ON TRANSMISSION CONTROL CIRCUIT MONITOR CIRCUIT CHASSIS CIRCUIT INTEGRATED BRAKING CONTROL CIRCUIT BR BROWN GN GREEN BU BU BLUE

APECS TRANSMISSION VIEW



