



Schematic

Product Link Elite System Aftermarket Installation for CAT Machine with VIMS (ABL / Guardian / 68K) or TPMS ABL ECM Electrical System

2211-UP	7PZ1-UP	CXM1-UP	JXP1-UP
4421-UP	8XZ3511-UP	CXR1-UP	KEG1-UP
1HL1-UP	9PP1-UP	DLS1-UP	LWA1-UP
1HW1-UP	9YF1-UP	DMC1-UP	MSY1-UP
1JW1-UP	9YZ1-UP	DXR1-UP	NBJ1-UP
2BW1-UP	A4W1-UP	EED1-UP	PL61-UP
2PZ1-UP	AAF1-UP	EXD1-UP	RJG1-UP
3TZ1-UP	ADZ1-UP	EYG1-UP	RJS1-UP
4AR1-UP	AFS1-UP	FDB1-UP	SBR1-UP
4GZ1-UP	AGC1-UP	FKR1-UP	SHH1-UP
5AZ1-UP	AKT1-UP	GEB1-UP	SPD1-UP
5YW1-UP	AMP1-UP	GLK1-UP	TPB1-UP
6HK1-UP	APX1-UP	H4C1-UP	Z9K1-UP
7EK1-UP	ASK1-UP	JLK1-UP	
7HR1-UP	ATY1-UP	JNW1-UP	
7KK1-UP	AZX1-UP	JRP1-UP	
7LL1-UP	CBR1-UP	JSM1-UP	

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Harness And Wire Electrical Schematic Symbols

Symbols

Pressure Symbol

Temperature Symbol

Level Symbol

Flow Symbol

Circuit Breaker Symbol

Symbols and Definitions

Fuse: A component in an electrical circuit that will open the circuit if too much current flows through it.

Switch (Normally Open): A switch that will close at a specified point (temp, press, etc.). The circle indicates that the component has screw terminals and a wire can be disconnected from it.

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.

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.

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.

Sender: A component that is used with a temperature or pressure gauge. The sender measures the temperature or pressure. Its resistance changes to give an indication to the gauge of the temperature or pressure.

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.

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.

Magnetic Latch Solenoid: A magnetic latch solenoid is 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.

Harness and Wire Symbols

Wire, Cable, or Harness Assembly Identification: Includes Harness Identification Letters and Harness Connector Serialization Codes (see sample).

Harness Identification Letter(s): (A, B, C, ..., AA, AB, AC, ...)

Harness Connector Serialization Code: The "C" stands for "Connector" and the number indicates which connector in the harness (C1, C2, C3, ...).

Part Number: for Connector Plug

Part Number: for Connector Receptacle

Plug

Receptacle

Pin or Socket Number

Fuse (5 Amps)

Component Part Number

Deutsch connector: Typical representation of a Deutsch connector. The plug contains all 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.

Harness identification code: This example indicates wire group 325, wire 135 in harness "AG".

Wire Gauge: Wire Color

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Wire gauge is shown in AWG (American Wire Gauge) but could also be shown in metric denoted with mm

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