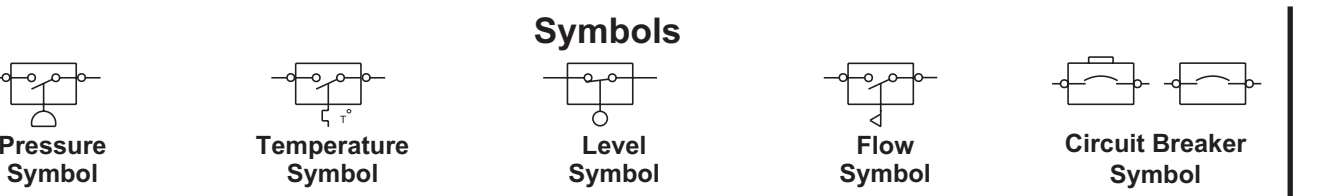


Harness And Wire Electrical Schematic Symbols



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 circuit 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 circuit indicates that the wire cannot be disconnected from the component.
Ground (Wire): 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 unlatches.

Harness And Wire Symbols

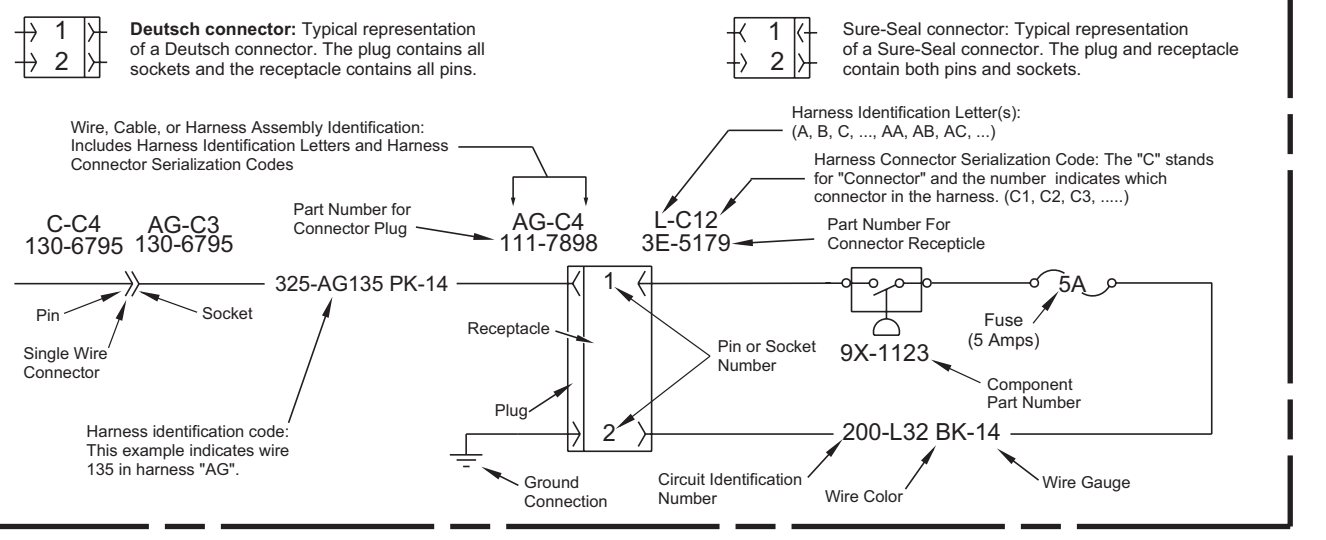


Table with columns: Wire Number, Wire Color, Power Circuits, Description, Wire Number, Wire Color, Accessory Circuits (Continued), Description. Lists various wires and components like Battery (+), Head Lamp, Positioner Power, etc.

Table with columns: Component, Schematic Location, Machine Location, Component, Schematic Location, Machine Location. Lists components like Alarm - Backup, Alternator 908, Breaker - Alternator 902, etc.

Schematic
902, 906 & 908 Compact Wheel Loader Electrical System

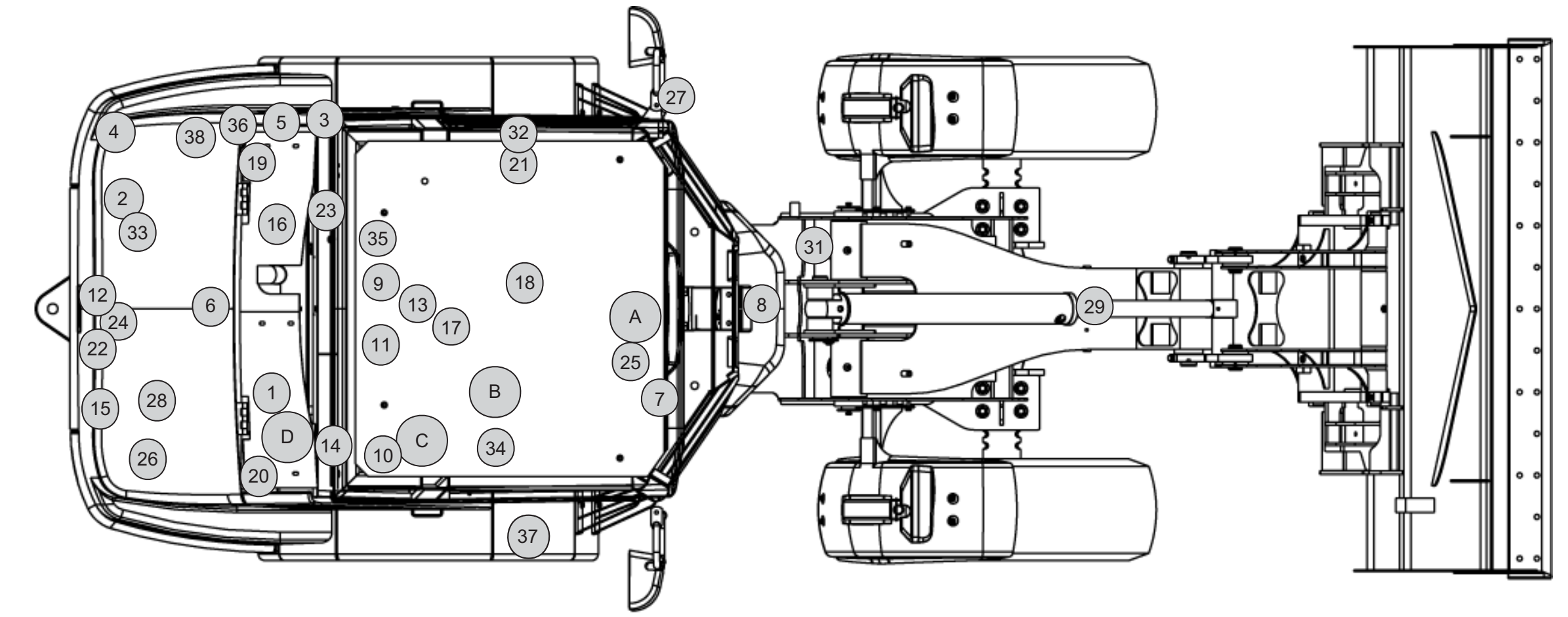
902: 7ES1200-UP 906: 6ZS2900-UP 908: 8BS1400-UP

Off Machine Switch Specification table with columns: Part No., Function, Activate, Deactivate, Contact Position.

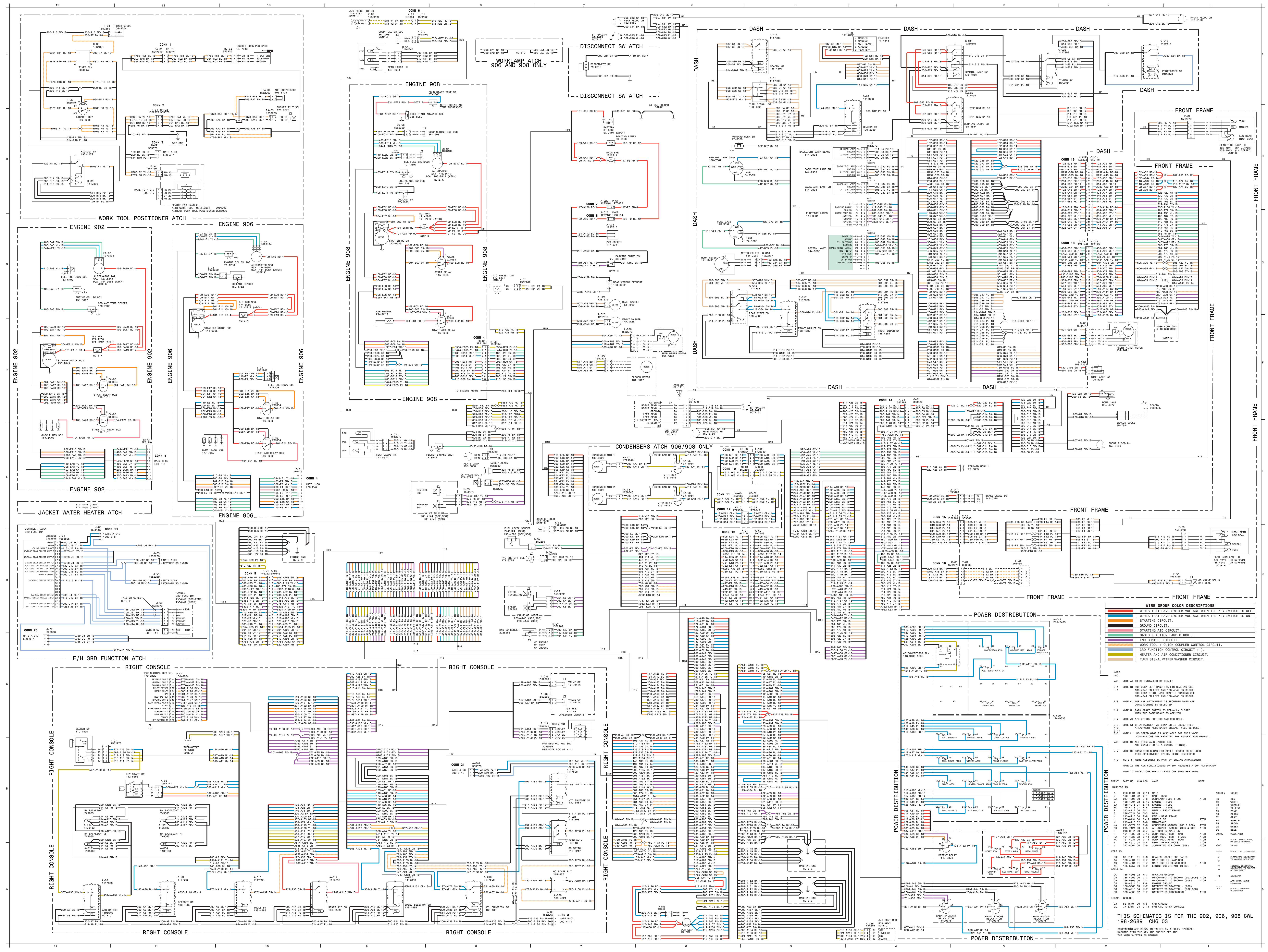
Resistor, Sender and Solenoid Specifications table with columns: Part No., Component Description, Resistance (Ohms).

Connector Location table with columns: Connector Number, Schematic Location, Machine Location.

Related Electrical Service Manuals table with columns: Title, Form Number.



Machine Harness Connector And Component Locations



WIRE GROUP COLOR DESCRIPTIONS

Wires that have system voltage when the key switch is ON.

Wires that have system voltage when the key switch is OFF.

Ground circuit.

Starting aid circuit.

Charger & action lamp circuit.

Fair control circuit.

Work tool / dice control circuit.

S&D function control circuit (1).

Heater and air conditioner circuit.

Turn signal / indicator circuit.

NOTE:

- NOTE 1: TO BE INSTALLED BY DEALER
- NOTE 2: FOR C&D LEFT HAND TRAFFIC REGION USE
- NOTE 3: 120 AMP ON LEFT AND 120 AMP ON RIGHT
- NOTE 4: 130 AMP ON LEFT AND 130 AMP ON RIGHT
- NOTE 5: WORK TOOL / DICE CONTROL CIRCUIT CONNECTIONS ARE SEPARATE
- NOTE 6: WORK TOOL / DICE CONTROL CIRCUIT CONNECTIONS ARE SEPARATE
- NOTE 7: NOTE 7: ATTACHMENT ALTERNATOR IS USED, THE ATTACHMENT ALTERNATOR WIRING WILL BE USED.
- NOTE 8: 50 AMP ON LEFT AND 50 AMP ON RIGHT
- NOTE 9: NOTE 9: ATTACHMENT ALTERNATOR IS USED, THE ATTACHMENT ALTERNATOR WIRING WILL BE USED.
- NOTE 10: CONNECTORS ARE PROVIDED FOR FUTURE DEVELOPMENT.
- NOTE 11: NOTE 11: CONNECTOR SHOWN FOR SPACE SAVING TO BE USED WITH DISCREETION
- NOTE 12: THE AIR CONDITIONING OPTION INCLUDES A 24 AMP ALTERNATOR
- NOTE 13: WIRE TRAILING AT LEAST ONE LINE AND ONE END

AMBEY COLOR

A	120 AMP ON C-1 WASH	AMBEY COLOR
B	120 AMP ON C-1 CHARGE (C&D & R)	ATCH
C	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	WV
D	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
E	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
F	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
G	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
H	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
I	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
J	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
K	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
L	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
M	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
N	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
O	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
P	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
Q	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
R	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
S	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
T	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
U	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
V	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
W	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
X	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
Y	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC
Z	120 AMP ON C-1 DISCONNECT TO 100 AMP ON C-1	DISC

THIS SCHEMATIC IS FOR THE 902, 906, 908 C/W 198-2889 CHG 03
COMPONENTS ARE SHOWN INSTALLED ON A FULLY OPERABLE MACHINE WITH THE KEY AND POWER ON.