

Schematic

785D Off-Highway Truck Electrical System

DMC302-UP
MSY255-407

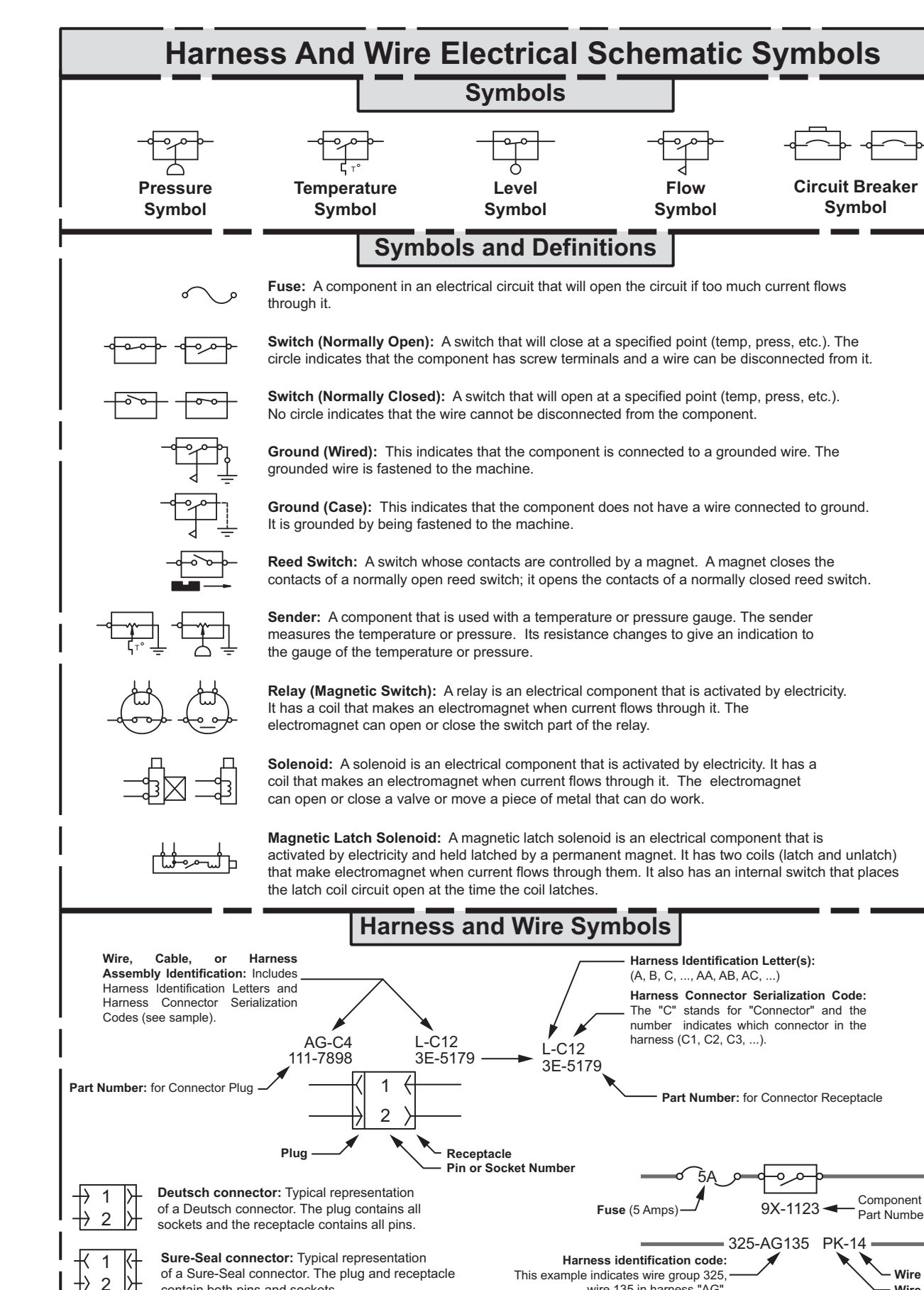
Volume 1 of 5: Cab

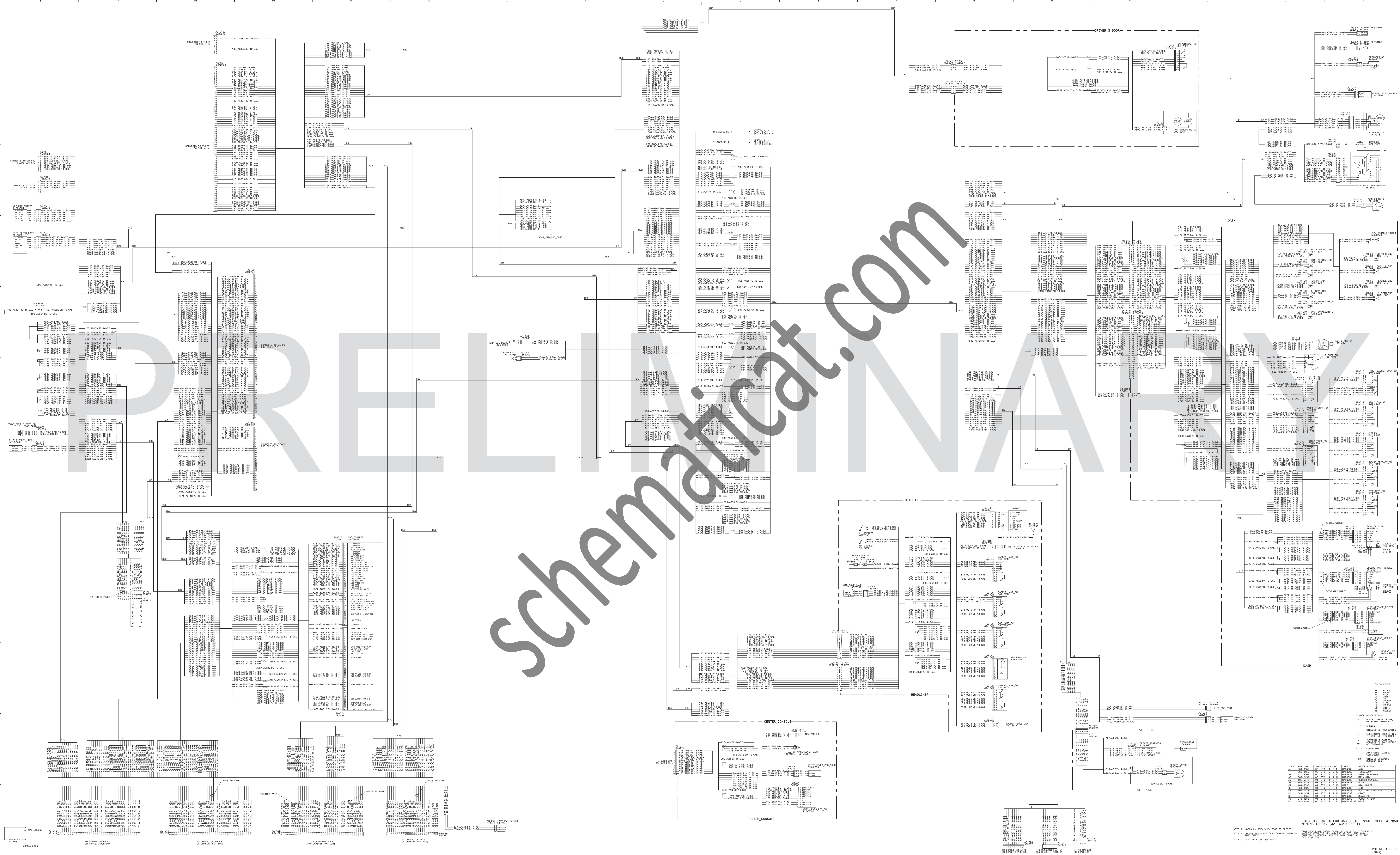
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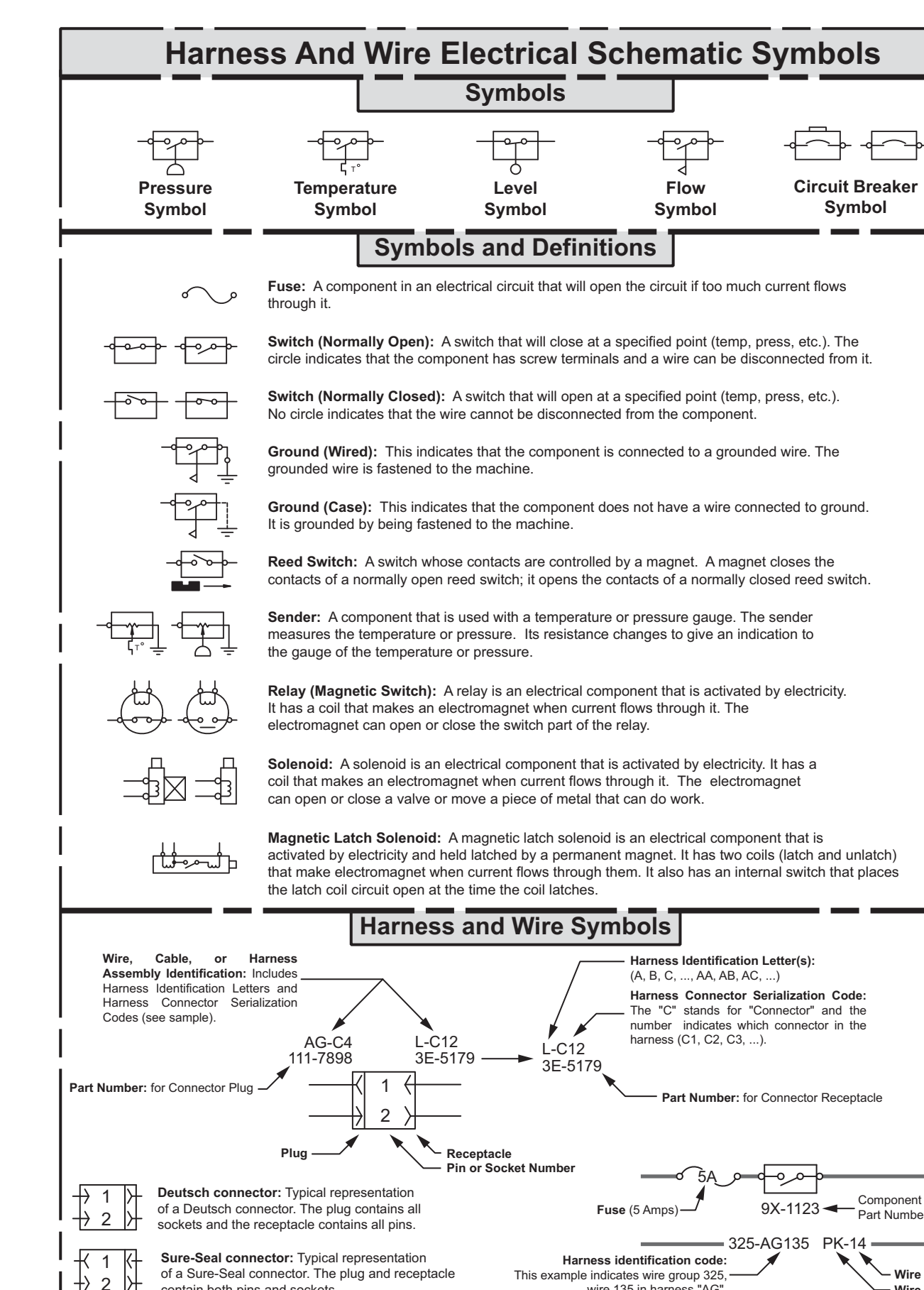
Volume 3 of 5: Chassis

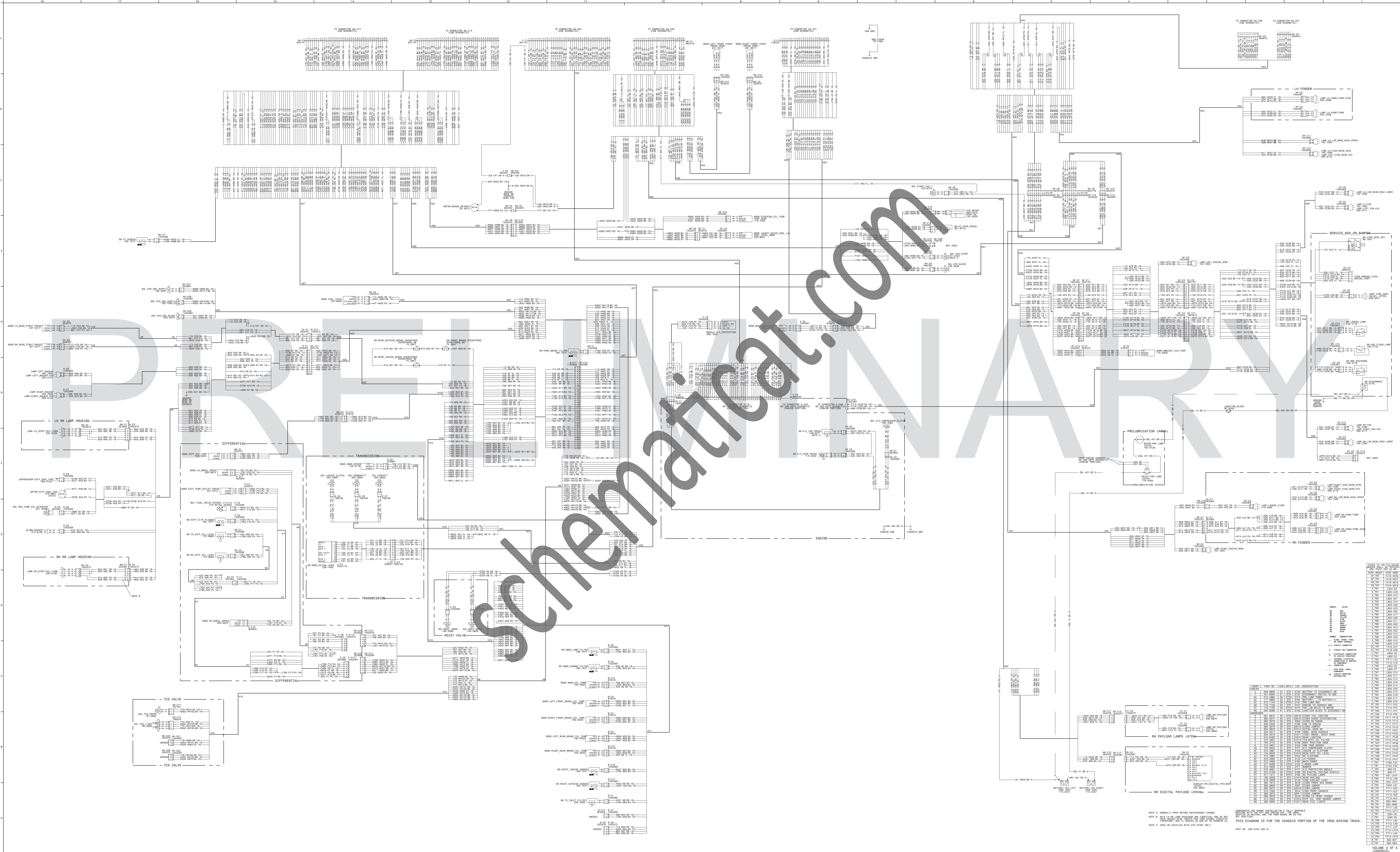
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NOTE: ALL WIRING SHOULD BE REFERRED TO THE CHASSIS WIRING DIAGRAM FOR THE 7800 WELDING TRUCK.
THIS DIAGRAM IS FOR THE CHASSIS PORTION OF THE 7800 WELDING TRUCK.
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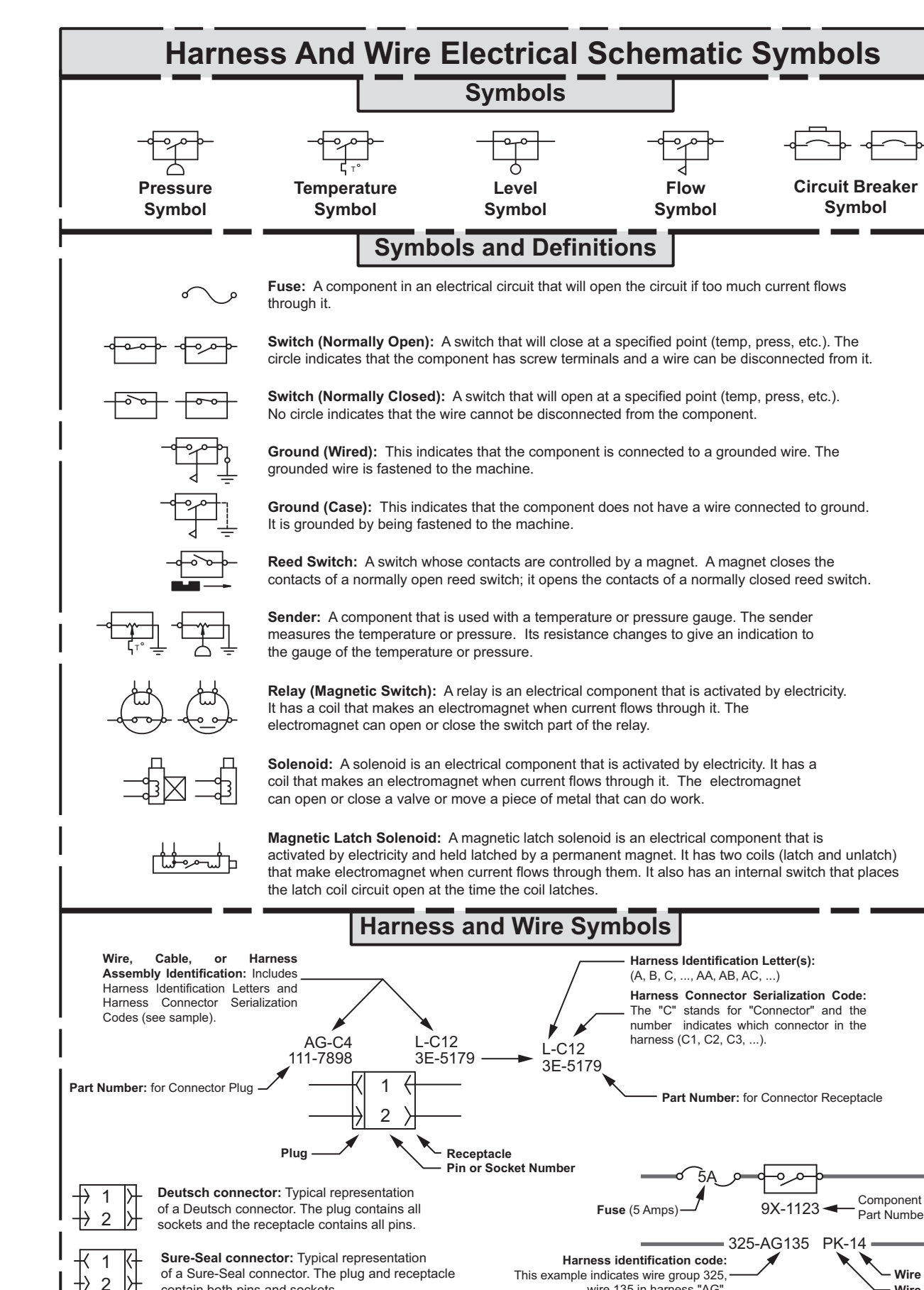
Volume 4 of 5: Chassis

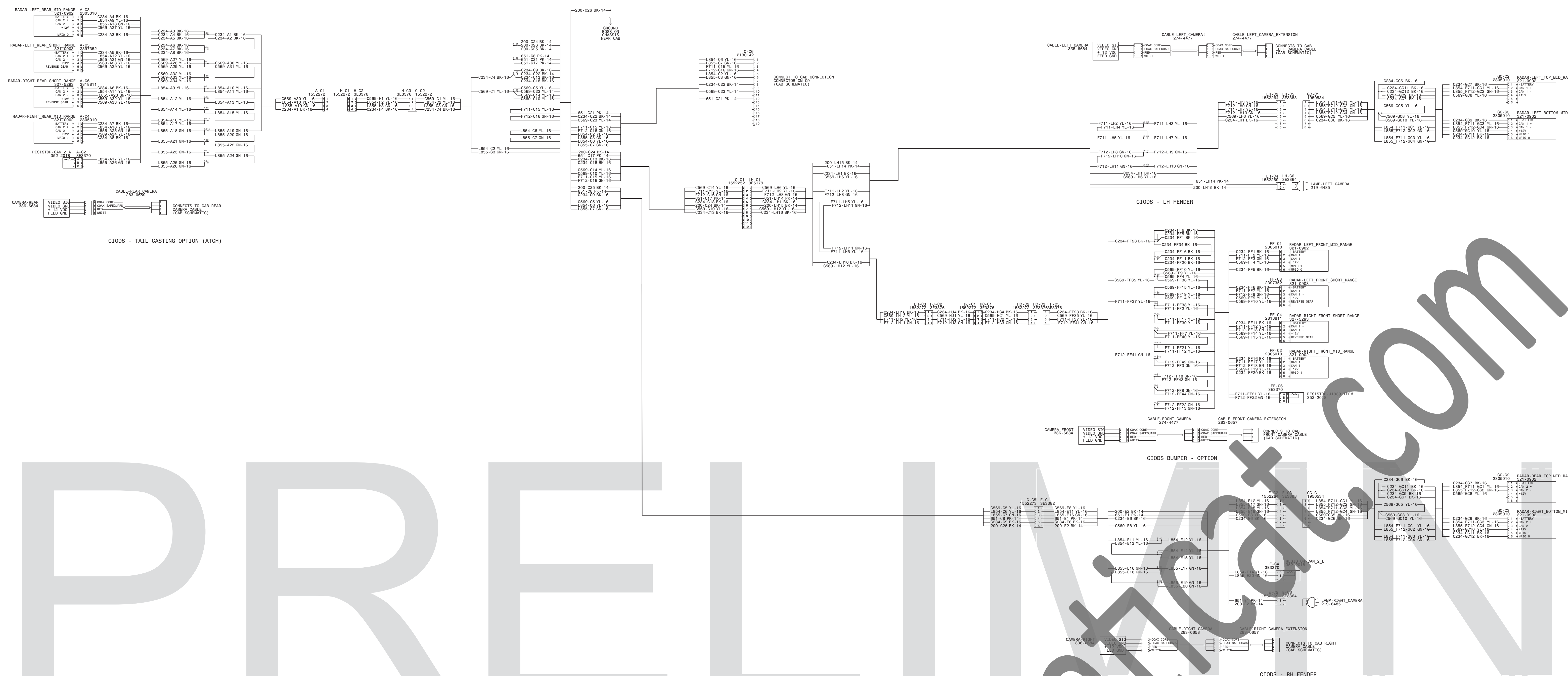
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Volume 5 of 5: Engine

Harness And Wire Electrical Schematic Symbols

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 circle indicates that the component has screw terminals and a wire can be disconnected from it. No circle indicates that the wire cannot be disconnected from the component.
- 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 Serialisation Codes (see sample).

Part Number for Connector Plug: 111-7298

Part Number for Connector Receptacle: 3E-6173

Plug or Socket Number: 1, 2

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 Letter(s): (A, B, C, ..., AL, AB, AC, ...)

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

Fuse (5 Amps): 9X-1123

Component Part Number: 325-AG135

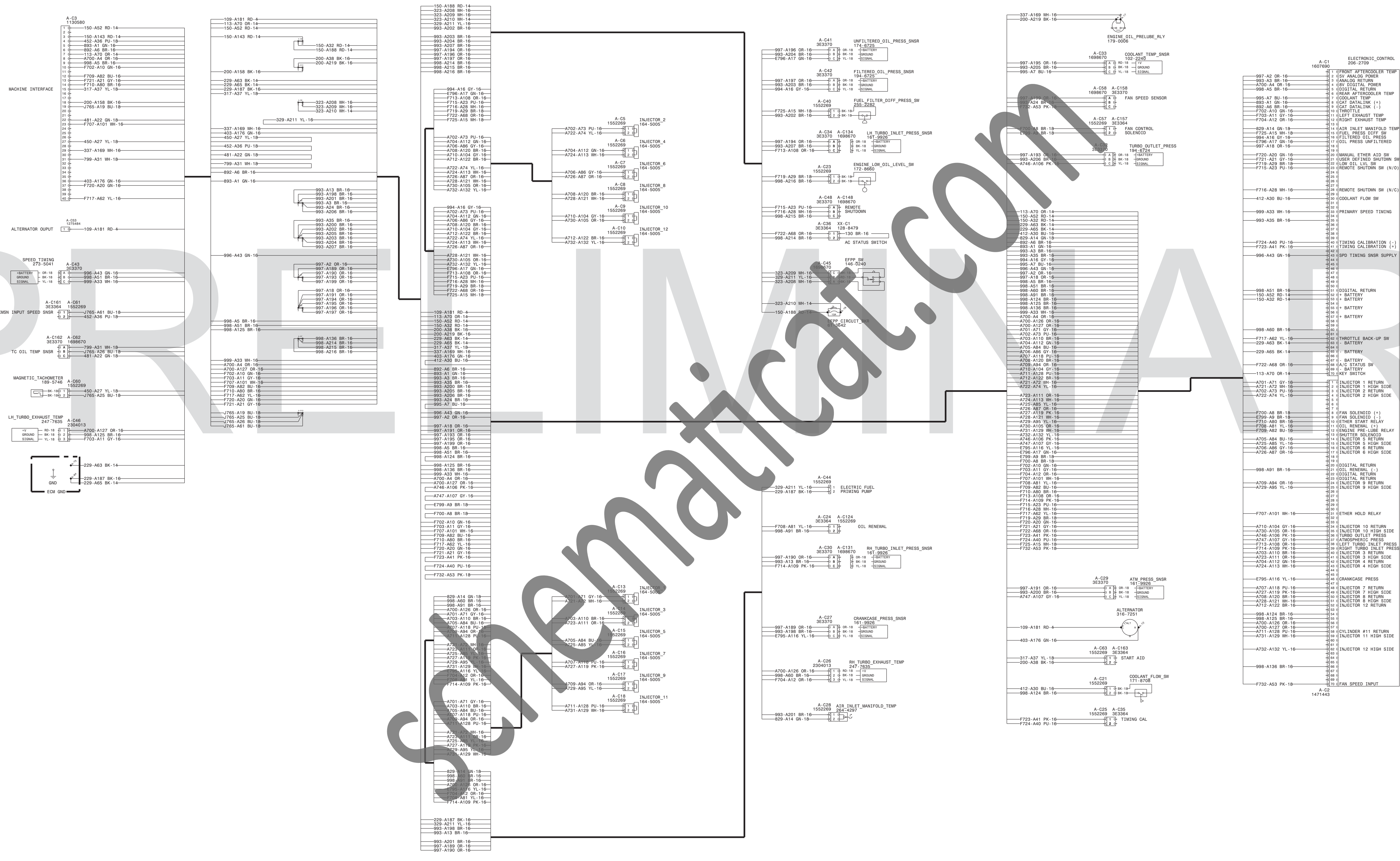
Wire Gauge: PK-14

Wire Color: (indicated by a color swatch)

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