

Schematic

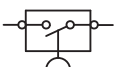
793F, 795F and 797F Off-Highway Truck Tire Monitoring System Electrical System

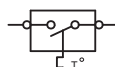
793F: EMD1-UP SND1-UP SSP1-UP SNT1-UP	795F: ERM1-UP	797F: LAJ1-UP WSP1-UP
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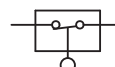
Attachment: Rimex TyreSense Monitoring System

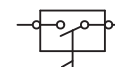
Harness And Wire Electrical Schematic Symbols

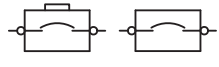
Symbols


Pressure
Symbol


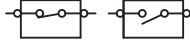
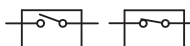

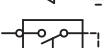
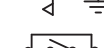



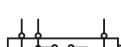

Temperature
Symbol


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).

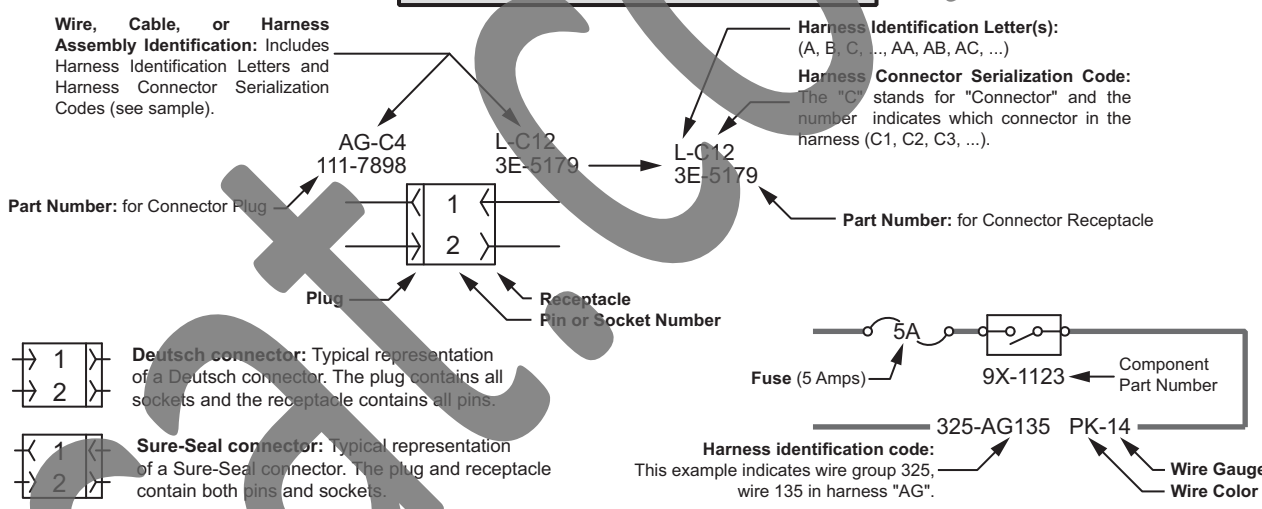
Part Number: for Connector Plug

Plug

Receptacle Pin or Socket 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 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 Receptacle

Fuse (5 Amps): 9X-1123

Component Part Number: 325-AG135

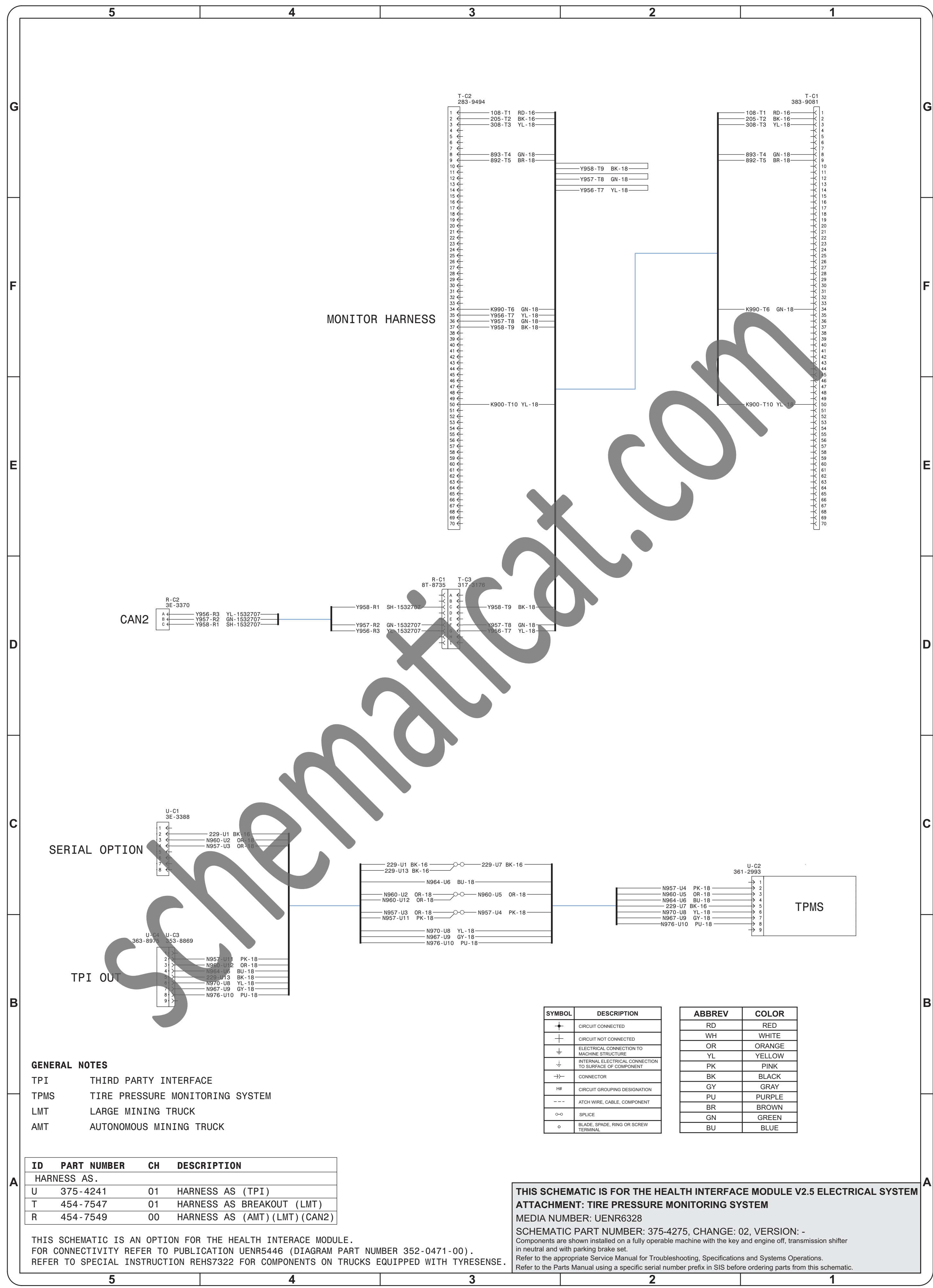
Wire Gauge: PK-14

Wire Color: (indicated by a line)

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

Schematic

UENR6328
8 Page, (Dimensions: 18 inches x 24 inches)



GENERAL NOTES

TPI THIRD PARTY INTERFACE

TPMS TIRE PRESSURE MONITORING SYSTEM

LMT LARGE MINING TRUCK

AMT AUTONOMOUS MINING TRUCK

ID	PART NUMBER	CH	DESCRIPTION
	HARNESS AS.		
U	375-4241	01	HARNESS AS (TPI)
T	454-7547	01	HARNESS AS BREAKOUT (LMT)
R	454-7549	00	HARNESS AS (AMT) (LMT) (CAN2)

SYMBOL	DESCRIPTION
+	CIRCUIT CONNECTED
+	CIRCUIT NOT CONNECTED
⊥	ELECTRICAL CONNECTION TO MACHINE STRUCTURE
⊥	INTERNAL ELECTRICAL CONNECTION TO SURFACE OF COMPONENT
→	CONNECTOR
HR	CIRCUIT GROUPING DESIGNATION
---	ATCH WIRE, CABLE, COMPONENT
○-○	SPLICE
○	BLADE, SPADE, RING OR SCREW TERMINAL

ABBREV	COLOR
RD	RED
WH	WHITE
OR	ORANGE
YL	YELLOW
PK	PINK
BK	BLACK
GY	GRAY
PU	PURPLE
BR	BROWN
GN	GREEN
BU	BLUE

THIS SCHEMATIC IS FOR THE HEALTH INTERFACE MODULE V2.5 ELECTRICAL SYSTEM ATTACHMENT: TIRE PRESSURE MONITORING SYSTEM

MEDIA NUMBER: UENR6328

SCHEMATIC PART NUMBER: 375-4275, CHANGE: 02, VERSION: -

Components are shown installed on a fully operable machine with the key and engine off, transmission shifter in neutral and with parking brake set.

Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations.

Refer to the Parts Manual using a specific serial number prefix in SIS before ordering parts from this schematic.

THIS SCHEMATIC IS AN OPTION FOR THE HEALTH INTERACE MODULE. FOR CONNECTIVITY REFER TO PUBLICATION UENR5446 (DIAGRAM PART NUMBER 352-0471-00). REFER TO SPECIAL INSTRUCTION REHS7322 FOR COMPONENTS ON TRUCKS EQUIPPED WITH TYRESENSE.