

Section 9015 Electrical System

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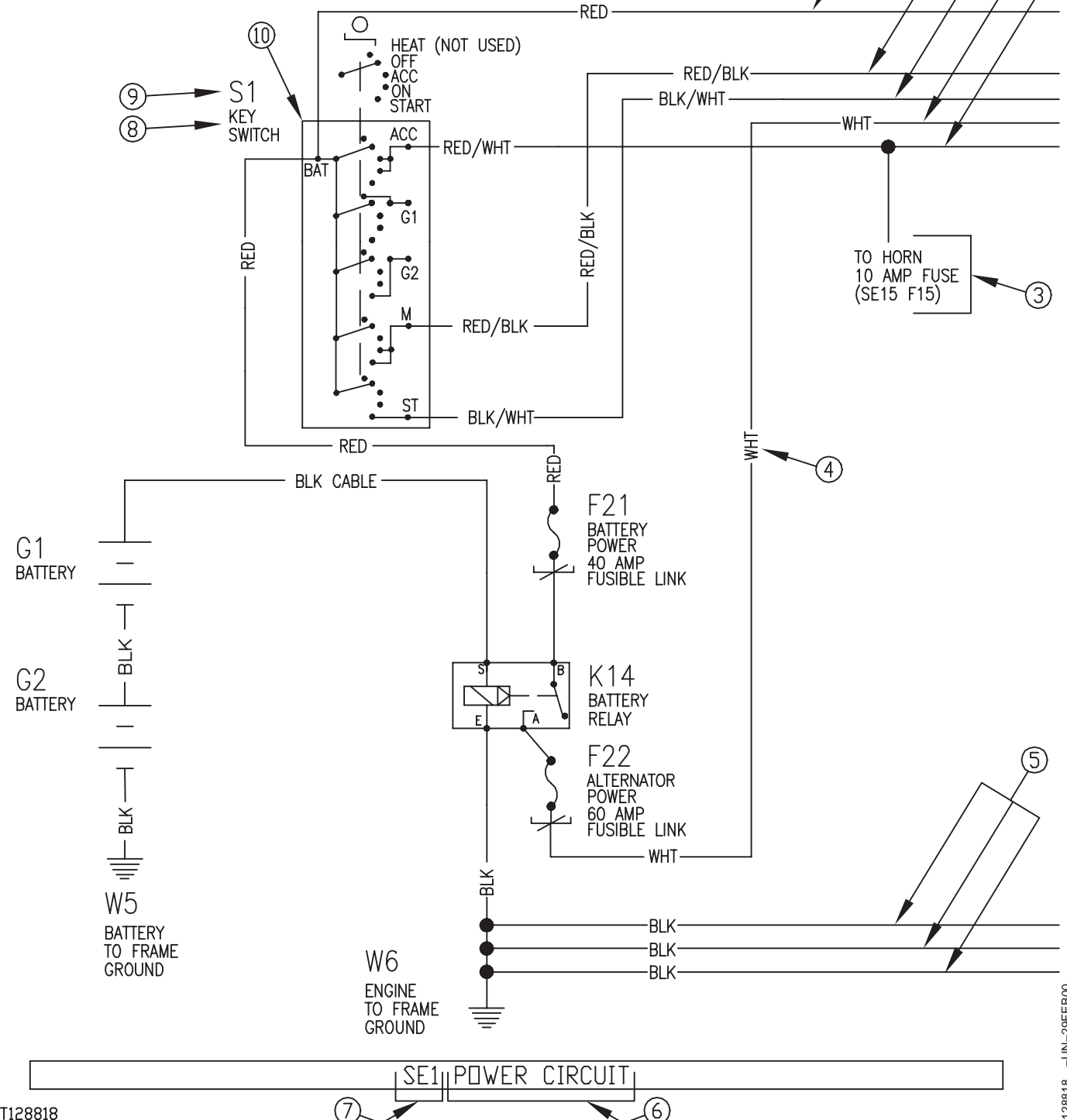
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Electrical Diagram Information

POSITION	B	G ₁	G ₂	ACC	M	ST
HEAT	●	●				
OFF						
ACC	●			●		
ON	●			●	●	
START	●		●		●	●



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1—Continuity Chart
 2—Power Wires
 3—Routing Location Information

4—Wire Identification
 5—Ground Wires
 6—Circuit Name

7—Section Number
 8—Component Name
 9—Component Identification Number

10—Component Schematic Symbol

NOTE: All System Functional Schematics, Circuit Schematics, and Wiring Diagrams are shown with key switch in the OFF position.

System Functional Schematic Diagram

The System Functional Schematic is made up of sections which contain one or more Subsystem Functional Schematics laid out side by side in a logical sequence of related functions. Each subsystem is a major group of components like starting components or charging components. Each section of the System Functional Schematic is assigned a number (7) and a name (6) that reflects a group of components. The System Functional Schematic is formatted with power supply wires (2) shown across the top of the drawing and ground wires (5) across the bottom. The schematic contains no harness or connector information.

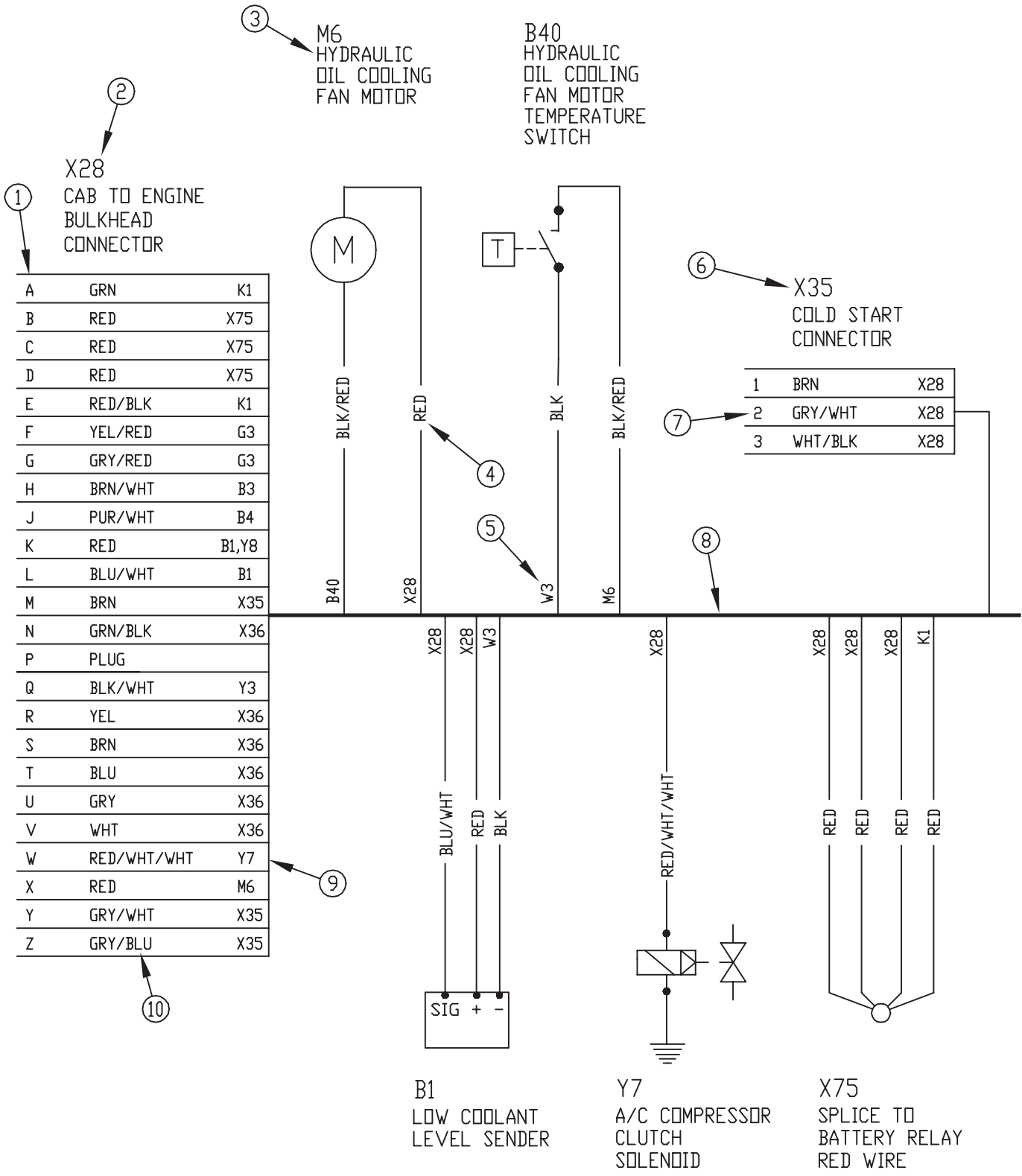
Each electrical component is shown by a schematic symbol (10), the component name (8), and a component identification number (9). A component identification number and name will remain the same throughout the Operation and Test Technical Manual. This will allow for easy cross-referencing of all electrical drawings (Schematics, Wiring Diagrams, and Component Location). A continuity chart (1) is included for each multi-terminal switch.

Routing location information (3) is presented to let the reader know when a wire is connected to a component in another section. TO and FROM statements identify when power is going "To" or coming "From" a component in a different location. The section and component number are given in parenthesis at the bottom of the statement. In the example, power is going TO component F15 Horn Fuse, in section SE15.

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1—Harness Connector Pin Letter or Number	3—Component Identification Number	6—Component Connector	9—Component Identification Number Wire is Routed TO
2—Harness Connector Number Identification	4—Wire Color or Number	7—Component Connector Pin Letter or Number	10—Wire Color or Number
	5—Component Identification Number Wire is Routed TO	8—Wiring Harness	

Wiring Diagram—If Provided

Each harness on the machine is drawn showing components, connectors, and wires. Harnesses are identified by a “W” component identification number and description (W6 ENGINE HARNESS, Etc.).

Each component is represented by a schematic symbol and is identified by a component identification number and name (3). Components with integral connectors (6) have pin number/letters indicated (7). Wires from harness to components are identified by color or number designation (4). Component identification number (5) indicates the component a wire is routed TO.

Main harness connectors (2) are identified by a “X” component identification number and description (X28 CAB TO ENGINE BULKHEAD CONNECTOR, Etc.). Harness connector description indicates which harnesses connect together. Connector pin letters or numbers (1) are indicated as they are marked on the connector. Wires attached to each connector pin are

identified by color or number (10). Component identification number (9) indicates destination of each wire.

Component Location Diagram

The Component Location Diagram is a pictorial view by harness showing location of all electrical components, connectors, harness main ground locations and harness band and clamp location. Each component will be identified by the same identification letter/number and description used in the System Functional Schematic Diagram.

Connector End View Diagram—If Provided

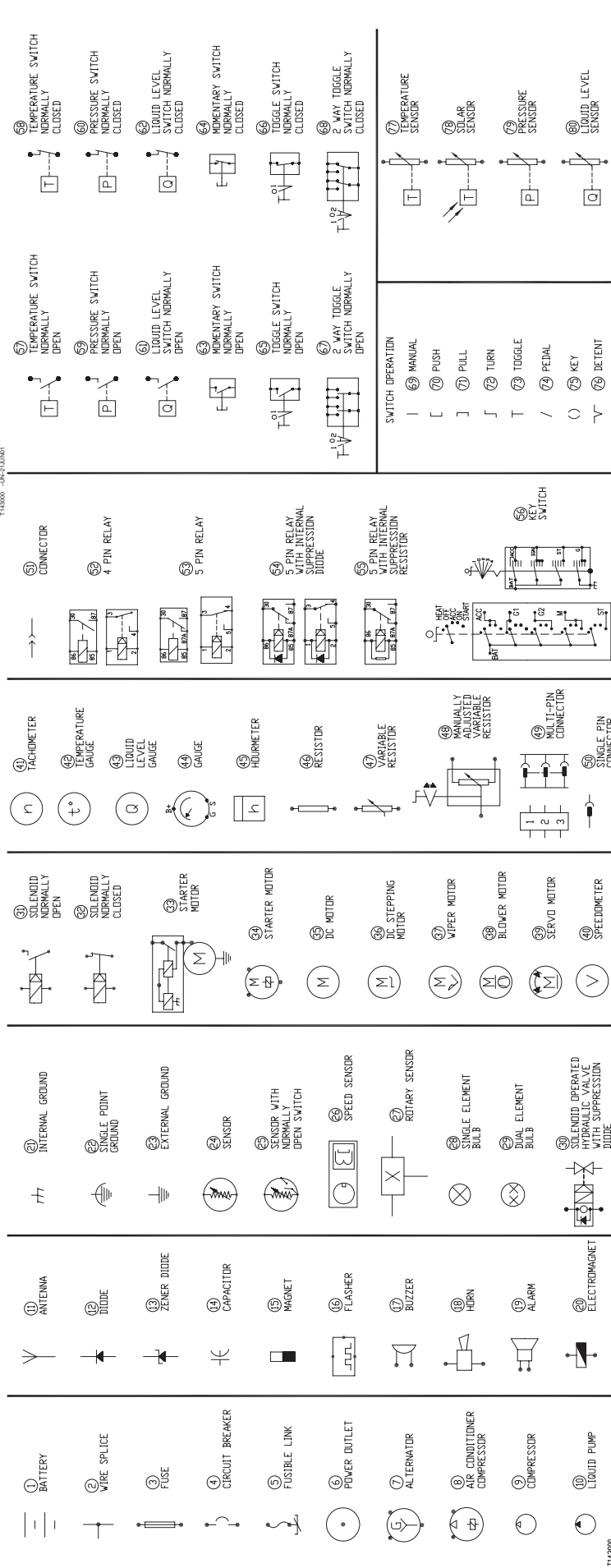
The Connector End View Diagram is a pictorial end view of the component connectors showing the number of pins in the connector and the wire color and identifier of the wire in every connector. Each component will be identified by the same identification letter/number and description used in the System Functional Schematic Diagram.

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1—Battery	25—Sensor with Normally Open Switch	47—Variable Resistor	63—Momentary Switch Normally Open
2—Wire Splice	26—Speed Sensor	48—Manually Adjusted Variable Resistor	64—Momentary Switch Normally Closed
3—Fuse	27—Rotary Sensor	49—Multi-Pin Connector	65—Toggle Switch Normally Open
4—Circuit Breaker	28—Single Element Bulb	50—Single Pin Connector	66—Toggle Switch Normally Closed
5—Fusible Link	29—Dual Element Bulb	51—Connector	67—2 Way Toggle Switch Normally Open
6—Power Outlet	30—Solenoid Operated Hydraulic Valve With Suppression Diode	52—4 Pin Relay	68—2 Way Toggle Switch Normally Closed
7—Alternator	31—Solenoid Normally Open	53—5 Pin Relay	69—Manual Switch Operation
8—Air Conditioner Compressor	32—Solenoid Normally Closed	54—5 Pin Relay With Internal Suppression Diode	70—Push Switch Operation
9—Compressor	33—Starter Motor	55—5 Pin Relay With Internal Suppression Resistor	71—Pull Switch Operation
10—Liquid Pump	34—Starter Motor	56—Key Switch	72—Turn Switch Operation
11—Antenna	35—DC Motor	57—Temperature Switch Normally Open	73—Toggle Switch Operation
12—Diode	36—DC Stepping Motor	58—Temperature Switch Normally Closed	74—Pedal Switch Operation
13—Zener Diode	37—Wiper Motor	59—Pressure Switch Normally Open	75—Key Switch Operation
14—Capacitor	38—Blower Motor	60—Pressure Switch Normally Closed	76—Detent Switch Operation
15—Magnet	39—Servo Motor	61—Liquid Level Switch Normally Open	77—Temperature Sensor
16—Flasher	40—Speedometer	62—Liquid Level Switch Normally Closed	78—Solar Sensor
17—Buzzer	41—Tachometer		79—Pressure Sensor
18—Horn	42—Temperature Gauge		80—Liquid Level Sensor
19—Alarm	43—Liquid Level Gauge		
20—Clock	44—Gauge		
21—Internal Ground	45—Hourmeter		
22—Single Point Ground	46—Resistor		
23—External Ground			
24—Sensor			

Electrical Schematic Symbols

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Explanation Of Wire Markings

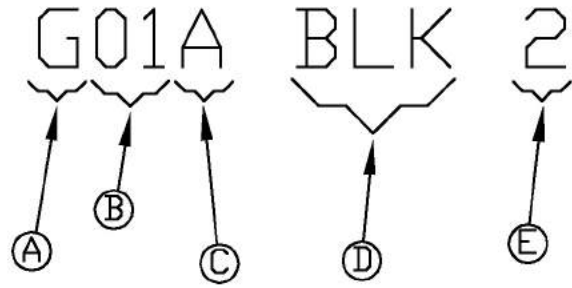
Circuit Type Identifier: The (A) denotes what type of a circuit any given wire is a part of. In the example the “G” denotes the wire is part of a ground circuit.

Circuit Number: The Circuit Number (B) (two digit number) identifies a unique circuit when used in conjunction with a Circuit Type Identifier (A). In the example, “G01” is a single unique circuit. G10, G20, or B01 would denote a entirely different circuit.

Circuit Segment Identifier: The Circuit Segment Identifier (C) identifies a segment of a circuit, it DOES NOT indicate a different circuit. This character is used in the design of the harnesses, but can also be used for trouble shooting when using the System Functional Schematic and Wiring Diagram By Harness. The circuit segment identifier (C) will remain the same until the circuit encounters either a splice, connector, or component. The circuit segment identifier WILL NOT be on the actual wire harness on machine, only ON the System Functional Schematic and Wiring Diagram By Harness.

Wire Color: The Wire Color (D) (three character code) is simply an abbreviation of the wire color.

Wire Gauge: The Wire Gauge (E) (number 2) indicates the wire gauge in millimeters. The wire gauge WILL NOT be on the actual wire harness on machine, only ON the System Functional Schematic and Wiring Diagram By Harness.



- A—Circuit Type Identifier
- B—Circuit Number
- C—Circuit Segment Identifier
- D—Wire Color
- E—Wire Gauge (millimeter “mm2”)

T117531 -19-01OCT98

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Wire Information	
Gauge	Millimeter
20	0.5
18	0.8
16	1
14	2
12	3
10	4
8	8
6	13
4	19

Fuse (Blade-Type) Color Codes

Amperage Rating	Color
1	Black
3	Violet
4	Pink
5	Tan
7-1/2	Brown
10	Red
15	Light Blue
20	Yellow
25	Natural (White)
30	Light Green

CED, TX14826, 12197 -19-10MAR00-1/1

Electrical Wire Color Code Specifications

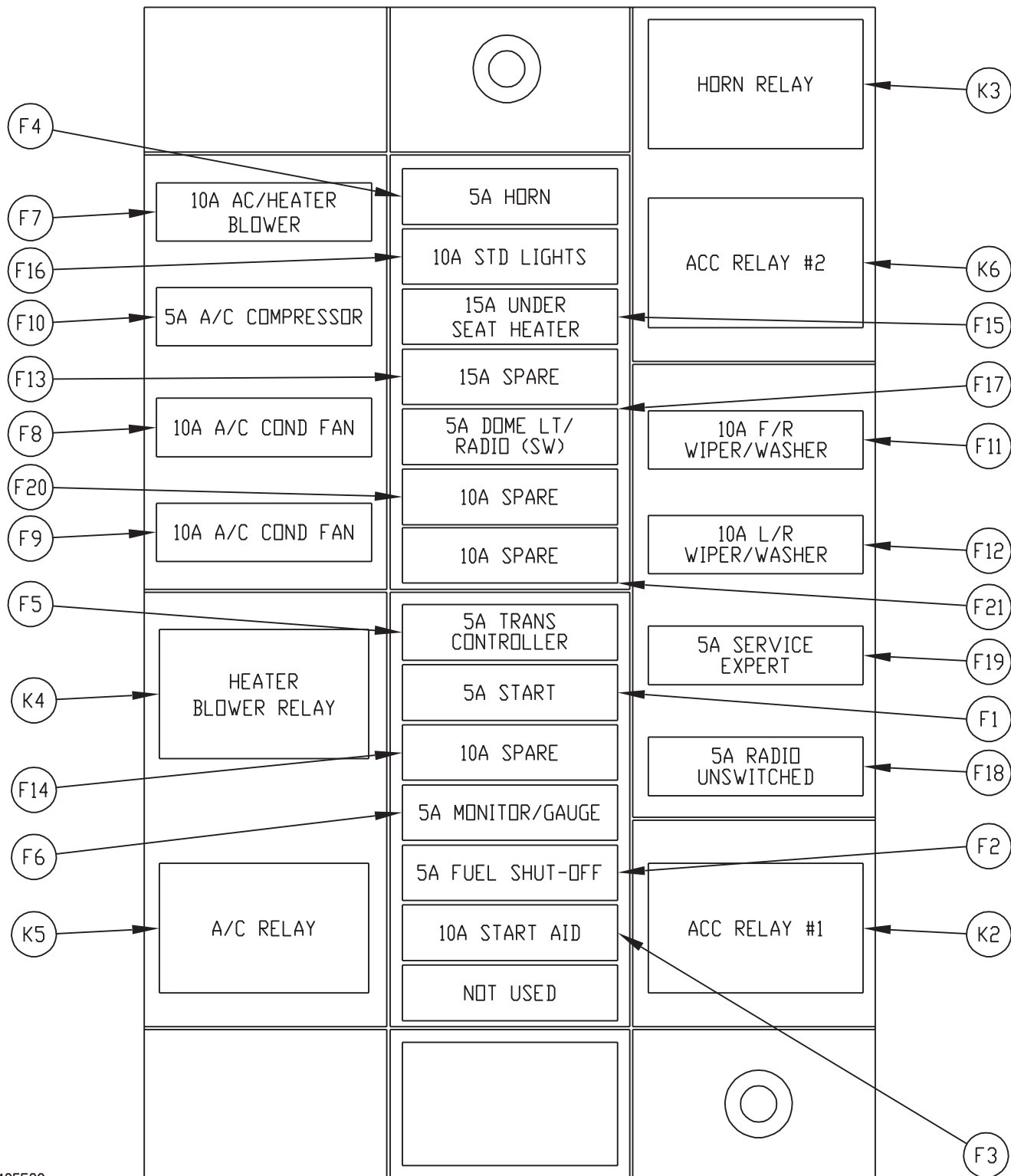
All machine electrical wires are shown by a wire number and color on electrical schematics.

Abbreviation	Color	Letters Used	Function
RED	Red	B, P	Power Functions
BLK	Black	G, R	Ground Functions
ORG	Orange	A, C	Accessories Functions
YEL	Yellow	F, N, X, Y	Monitored Functions
BLU	Blue	T, W	Power Transmission And Hydrostatic Functions
GRN	Green	H, K	Clutch Cutoff, Steering And Blade Functions
WHT	White	E	Engine Functions
BRN	Brown	L, D	Vehicle And Cab lighting Functions
TAN	Tan	J	Electrical And Electromechanical Functions
PINK	Pink	U, V	Unassigned Control Functions
PUR	Purple	M	Alternator, Voltmeter and Tachometer Functions
GRY	Gray	Z	Monitor Functions

CED, TX14826, 12198 -19-10MAR00-1/1

Fuse Specifications For Cab

9015
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T135538

Fuse Display For Cab (S.N. —910010)

Continued on next page

CED, TX14826, 12199 -19-26FEB03-1/6

T135538 -UN-21NOV00

System Diagrams

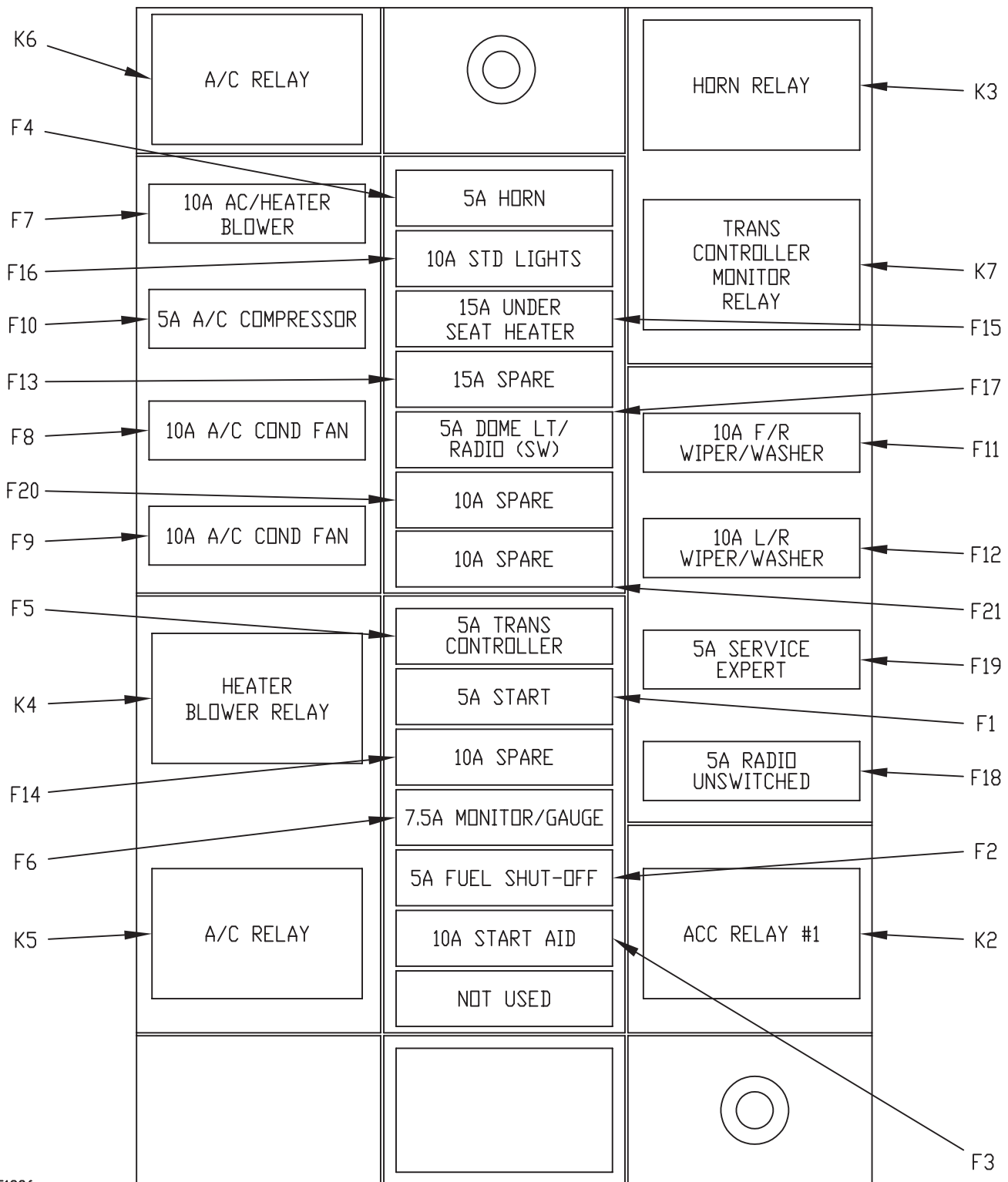
K5—A/C Relay	F13—15A Spare Fuse Auxiliary Light/CB	F15—15A Rops (Under Seat) Heater Fuse	F19—5A Service Expert Fuse
F6—5A Monitor/Gauge Fuse	F10—5A A/C Compressor Fuse	F17—5A Dome Light, Radio Fuse (Switched)	F1—5A Start Fuse
F14—10A Spare Fuse	F16—10A Standard Lights	F11—10A Front/Rear Wiper Washer Fuse	F18—5A Radio Fuse (Unswitched)
K4—Heater Blower Relay	F7—10A AC/Heater Blower Fuse	F12—15A Left/Right Wiper Washer Fuse	F2—5A Fuel Shut-Off Alternator Excitation Fuse
F5—5A Transmission Controller Fuse	F4—5A Horn Fuse	F21—10A Spare Fuse	K2—Accessory Relay #1
F9—10A A/C Condenser Fan Fuse	K3—Horn Relay		F3—10A Start Aid Fuse
F20—10A Spare Fuse	K6—ACC Relay		
F8—10A A/C Condenser Fan Fuse			

Continued on next page

CED,TX14826,12199 -19-26FEB03-2/6

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T151286

Fuse Display For Cab (S.N.910011-920838)

T151286 -UN-21FEB02

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CED,TX14826,12199 -19-26FEB03-3/6

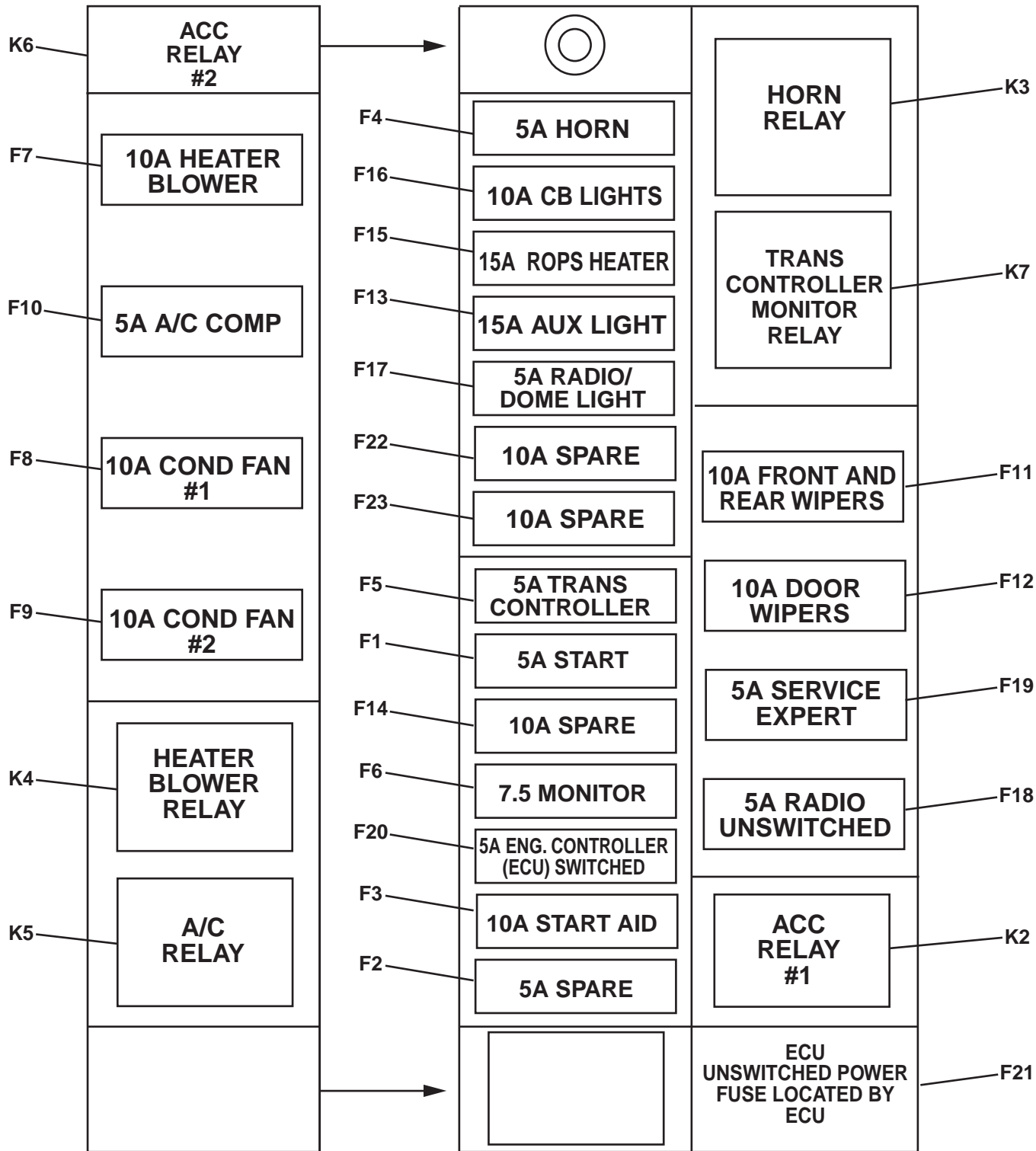
System Diagrams

K5—A/C Relay	F13—15A Spare Fuse Auxiliary Light/CB	F15—15A Rops (Under Seat) Heater Fuse	F19—5A Service Expert Fuse
F6—7.5A Monitor/Gauge Fuse	F10—5A A/C Compressor Fuse	F17—5A Dome Light, Radio Fuse (Switched)	F1—5A Start Fuse
F14—10A Spare Fuse	F16—10A Standard Lights	F11—10A Front/Rear Wiper Washer Fuse	F18—5A Radio Fuse (Unswitched)
K4—Heater Blower Relay	F7—10A AC/Heater Blower Fuse	F12—15A Left/Right Wiper Washer Fuse	F2—5A Fuel Shut-Off Alternator Excitation Fuse
F5—5A Transmission Controller Fuse	F4—5A Horn Fuse	F21—10A Spare Fuse	K2—Accessory Relay #1
F9—10A A/C Condenser Fan Fuse	K6—ACC Relay		F3—10A Start Aid Fuse
F20—10A Spare Fuse	K3—Horn Relay		
F8—10A A/C Condenser Fan Fuse	K7—Transmission Controller Monitor Relay		

Continued on next page

CED,TX14826,12199 -19-26FEB03-4/6

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T188504

Fuse Display For Cab (S.N. 920839—)

T188504 -UN-24APR03

Continued on next page

CED, TX14826, 12199 -19-26FEB03-5/6

System Diagrams

F2—5A Spare Fuse	F22—10A Spare Fuse	K3—Horn Relay	F14—10A Spare Fuse
F3—10A Start Aid Fuse	F13—15A Spare Fuse Auxiliary	K7—Transmission Controller	F6—7.5A Monitor/Gauge Fuse
K5—A/C Relay	Light/CB	Monitor Relay	F18—5A Radio Fuse
K4—Heater Blower Relay	F10—5A A/C Compressor Fuse	F17—5A Dome Light, Radio	(Unswitched)
F1—5A Start Fuse	F15—15A Rops (Under Seat)	Fuse (Switched)	F20—10A Engine controller
F9—10A A/C Condenser Fan	Heater Fuse	F11—10A Front/Rear Wiper	(ECU) (Switched)
Fuse	F16—10A Standard Lights	Washer Fuse	K2—Accessory Relay #1
F5—5A Transmission	F7—10A AC/Heater Blower	F12—15A Left/Right Wiper	F21—10A Engine controller
Controller Fuse	Fuse	Washer Fuse	(ECU) (Unswitched)
F23—10A Spare Fuse	F4—5A Horn Fuse	F19—5A Service Expert Fuse	Located By ECU
F8—10A A/C Condenser Fan	K6—ACC Relay		
Fuse			

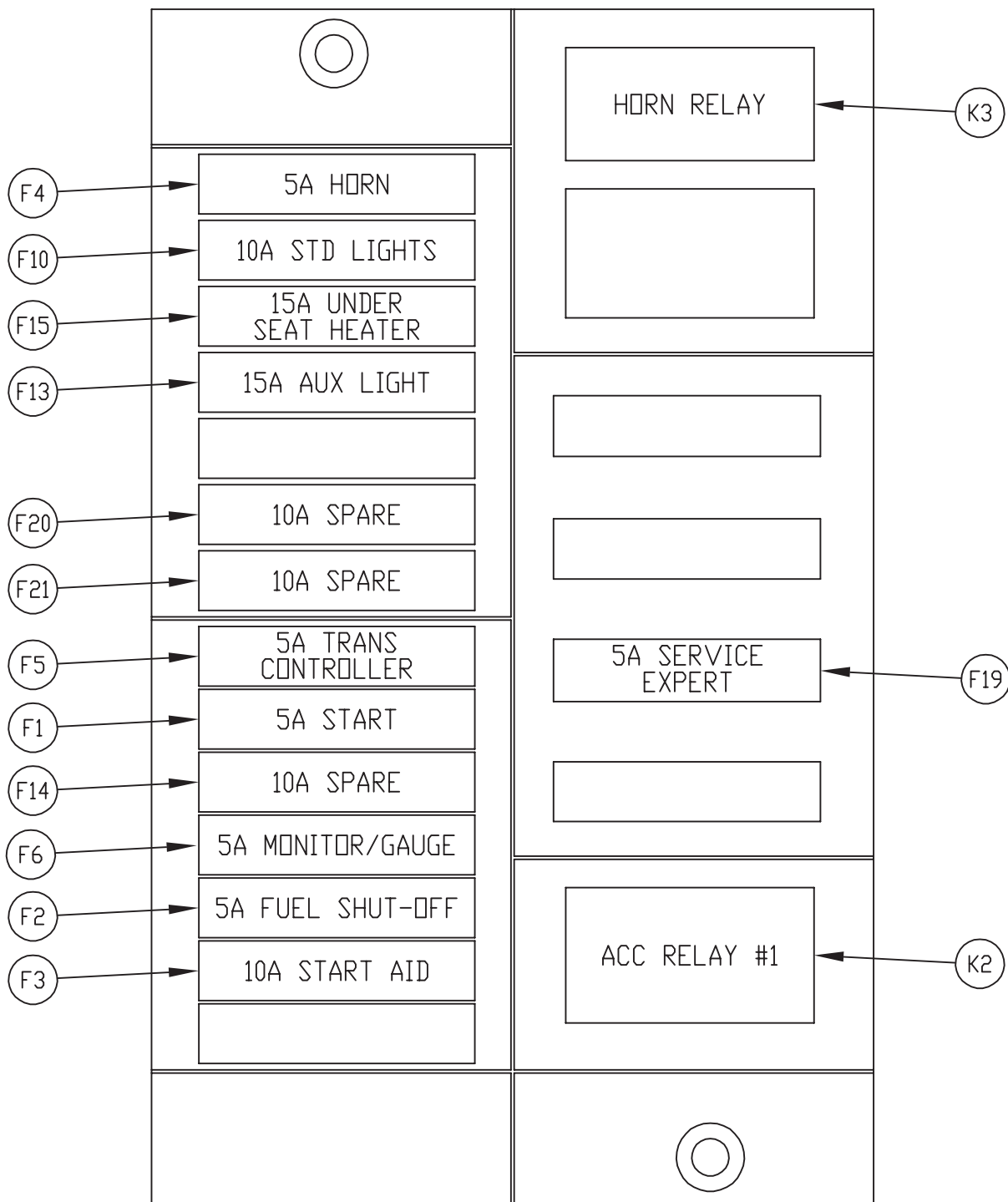
IMPORTANT: Install fuse with correct amperage rating to prevent electrical system damage from overload.

The fuse block is located on right side of machine through access cover.

CED,TX14826,12199 -19-26FEB03-6/6

9015
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Fuse Specifications For ROPS



9015
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T135537

Fuse Display For Rops (S.N. —910010)

Continued on next page

CED, TX14826, 12200 -19-26FEB03-1/6

T135537 -JUN-21NOV00

System Diagrams

F3—10A Start Aid Fuse
F2—5A Fuel Shut-Off
Alternator Excitation Fuse
F6—5A Monitor/Gauge Fuse
F14—10A Spare Fuse

F1—5A Start Fuse
F5—5A Transmission
Controller Fuse
F21—10A Spare Fuse
F20—10A Spare Fuse

F13—15A Spare Fuse Auxiliary
Light/CB
F15—15A Rops (Under Seat)
Heater Fuse
F10—10A Standard Lights

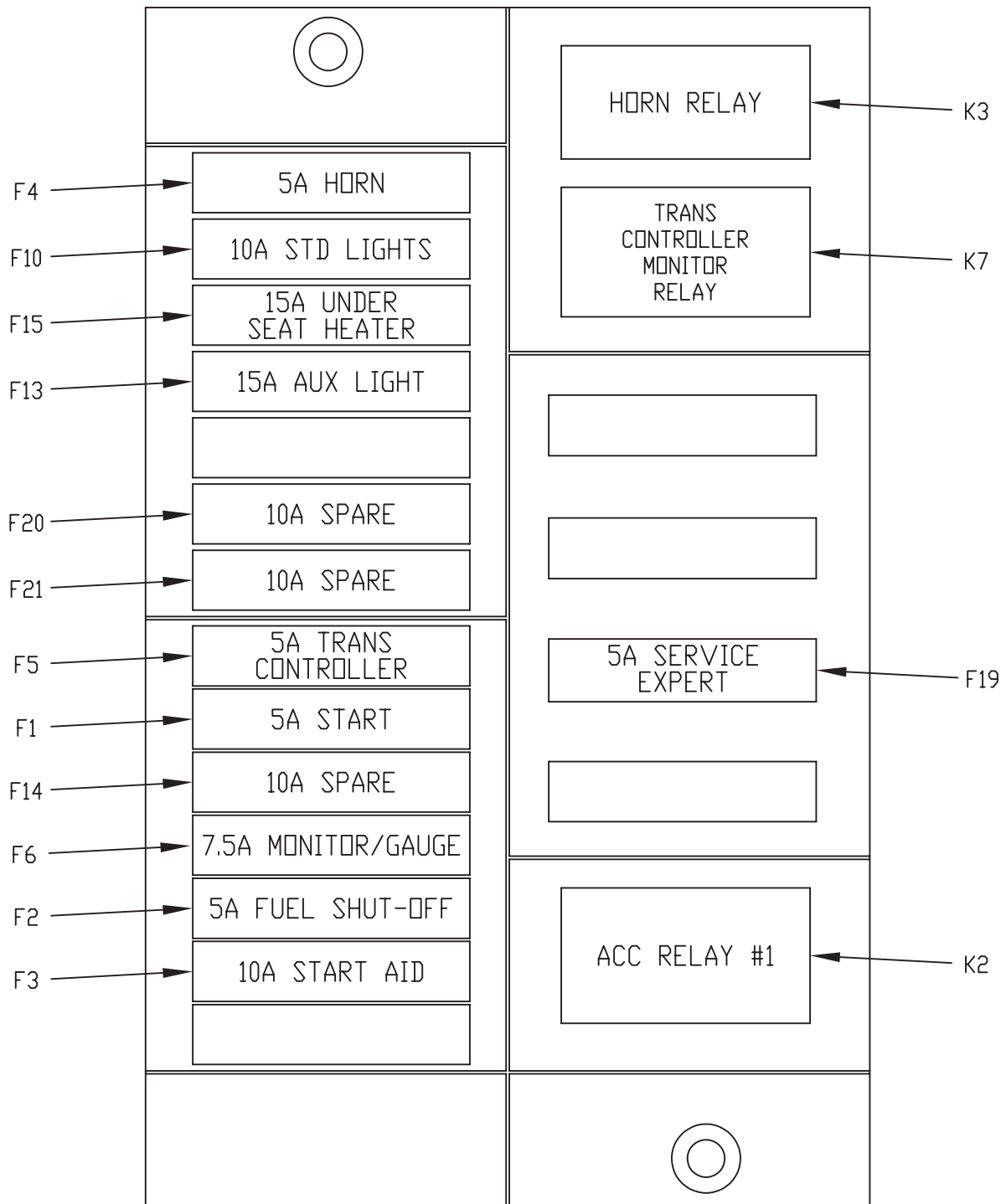
F4—5A Horn
K3—Horn Relay
F19—5A Service Expert Fuse
K2—Accessory Relay #1

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CED,TX14826,12200 -19-26FEB03-2/6

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T151287

Fuse Display For Rops (S.N. 910011-920838)

T151287 -JUN-21FEB02

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CED, TX14826, 12200 -19-26FEB03-3/6

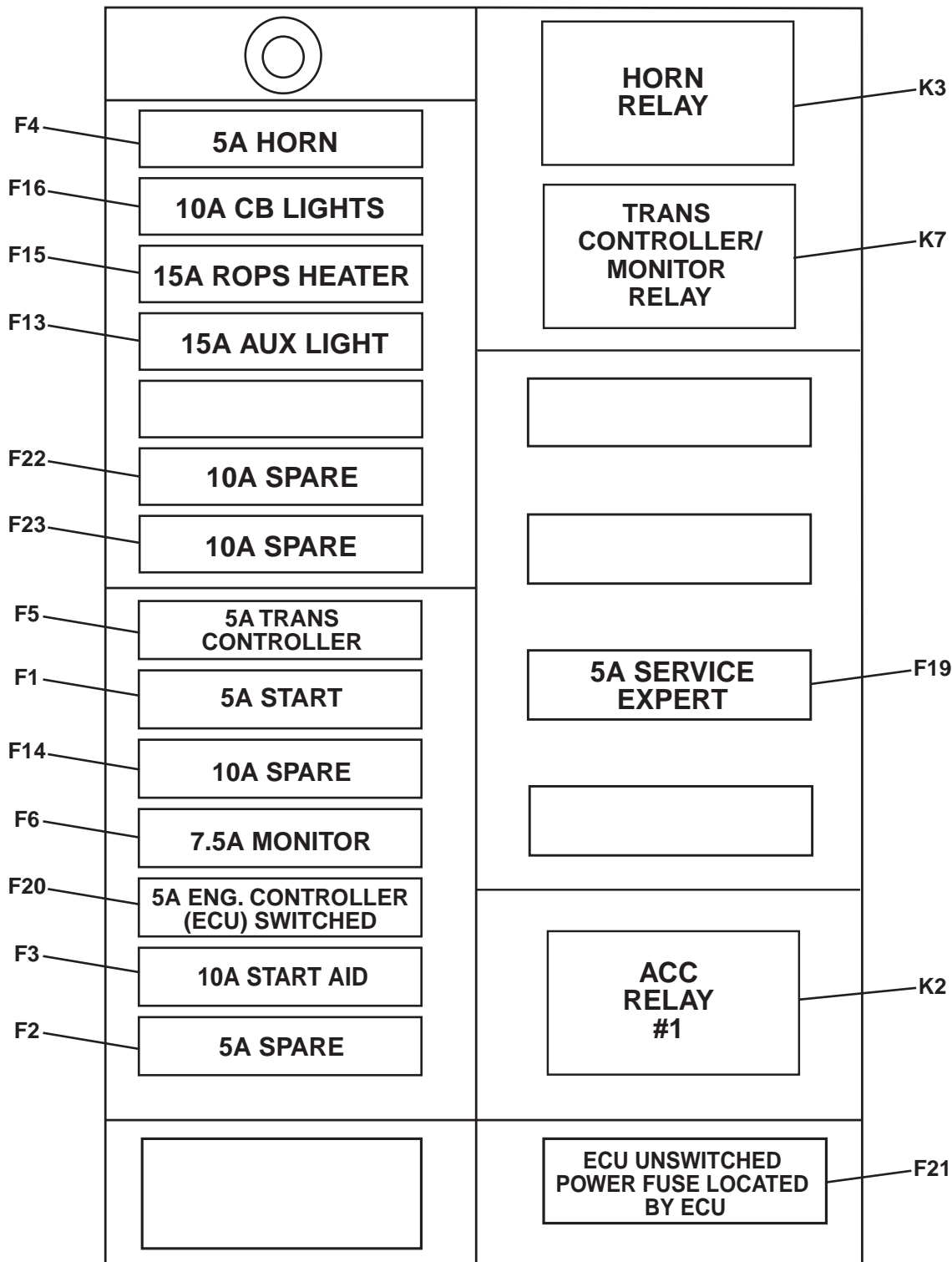
System Diagrams

F3—10A Start Aid Fuse	F5—5A Transmission Controller Fuse	F15—15A Rops (Under Seat) Heater Fuse	K7—Transmission Controller/Monitor Relay
F2—5A Fuel Shut-Off Alternator Excitation Fuse	F21—10A Spare Fuse	F10—10A Standard Lights	F19—5A Service Expert Fuse
F6—7.5A Monitor/Gauge Fuse	F20—10A Spare Fuse	F4—5A Horn	K2—Accessory Relay #1
F14—10A Spare Fuse	F13—15A Spare Fuse Auxiliary Light/CB	K3—Horn Relay	
F1—5A Start Fuse			

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CED,TX14826,12200 -19-26FEB03-4/6

9015
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T188505

Fuse Display For Rops (S.N. 920839—)

T188505 -UN-24APR03

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CED, TX14826, 12200 -19-26FEB03-5/6

F2—5A Spare Fuse
 F3—10A Start Aid Fuse
 F20—10A Engine controller (ECU) (Switched)
 K4—Heater Blower Relay
 F6—7.5A Monitor/Gauge Fuse
 F14—10A Spare Fuse

F1—5A Start Fuse
 F5—5A Transmission Controller Fuse
 F23—10A Spare Fuse
 F22—10A Spare Fuse
 F13—15A Spare Fuse Auxiliary Light/CB

F15—15A Rops (Under Seat) Heater Fuse
 F16—10A Standard Lights
 F4—5A Horn Fuse
 K3—Horn Relay
 K7—Transmission Controller Monitor Relay

F19—5A Service Expert Fuse
 K2—Accessory Relay #1
 F21—10A Engine controller (ECU) (Unswitched) Located By ECU

IMPORTANT: Install fuse with correct amperage rating to prevent electrical system damage from overload.

The fuse block is located on right side of machine through access cover.

CED, TX14826, 12200 -19-26FEB03-6/6

Component Identification Table

Each component (electrical device) and main connector will have an identification letter assigned to it. A number is added to the letter to separate and indicate the total components within that letter group.

Identification Letter	Type	Examples
A	System, subassembly, parts group	Control units, trigger boxes, two-way radios, logic module, FNR logic module
B	Transducer for conversion of non-electrical variables to electrical and vice versa	Speed sensors, pressure sensors, pressure switches horns, sensors, pickups, limit-value sensors, pulse generators, loudspeakers, inductive pickups, probes, air-flow sensors, oil-pressure switches, temperature sensors, ignition-voltage pickups
C	Condenser, capacitor	Condensers and capacitors, general
D	Binary device, memory	Digital devices, integrated circuits, pulse counters, magnetic tape recorders
E	Various devices and equipment	Heating devices, air conditioners, light, headlights, spark plugs, ignition distributors
F	Protection device	Release mechanisms, polarity protection devices, fuses, current protection circuits
G	Power supply, generator	Batteries, generators, alternators, charging units
H	Monitor, alarm, signalling device	Audible alarms, indicator lights, turn-signal lights, brake lights, alarms, warning lights, buzzers
K	Relay	Battery relays, turn-signal relays, solenoid switches, starting relays, warning flashers
L	Inductor	Choke coils, coils, windings
M	Motor	Blower motors, fan motors, starter motors
N	Regulator, amplifier	Regulators (electronic or electromechanical), voltage stabilizers
P	Measuring instrument	Ammeter, diagnostic connectors, tachometers, fuel gauge, pressure gauges, measuring points, test points, speedometers
R	Resistor	Flame glow plugs, sheathed-element flame glow plugs, glow plugs, heating resistors, NTC resistors, PTC resistors, potentiometers, regulating resistors

Continued on next page

CED, TX14826, 12201 -19-10MAR00-1/2

System Diagrams

Identification Letter	Type	Examples
S	Switch	Switches and push buttons, general key switch, light switch, horn switch, flasher switch
T	Transformer	Ignition coil, ignition transformer
U	Modulator, converter	DC transformers
V	Semiconductor, electron tubes	Transistors, diodes, electron tubes, rectifiers, semiconductors, thyristors, zener diodes
W	Transmission path, conductor, antenna	Antennas, shielding components, shielded conductors, cable harnesses, conductors, ground conductors
X	Terminal, plug, plug and socket connection	Terminal studs, electrical connections, connectors electrical line couplers, line connectors, sockets, plugs, terminals, plug-and-socket connections
Y	Electrically actuated mechanical device	Permanent magnets, (solenoid-operated) injection valves, electromagnetic clutches and brakes, air valves, fuel pumps, solenoids, switching valves, start valves, locking systems
Z	Electrical filter	Interference suppression filters

CED,TX14826,12201 -19-10MAR00-2/2

System Functional Schematic, Wiring Diagram And Component Location Legend (S.N. — 910010)

NOTE: A1—Transmission Controller (SE5, W--)

- A1 indicates component identification number.
- Transmission Controller indicates component name.
- SE5 indicates section number of SYSTEM FUNCTIONAL SCHEMATIC where component is located.
- W7 indicates HARNESS WIRING DIAGRAM and HARNESS COMPONENT LOCATION drawings where component is located.

A1 — Transmission Controller (SE5, W7)	B25 — Heater Temp Control (SE8, W5)
A2 — Radio 12V (SE12, W9)	B26 — (RH) Right Motor Pressure Control Pilot Valve (PCP) (SE5, W7)
B1 — Decelerator Sensor (SE5, W5)	B27 — (LH) Left Motor Pressure Control Pilot Valve (PCP) (SE5, W7)
B2 — FNR Sensor (SE5, W7)	E1 — Dome Light (SE11, W5)
B3 — Right Track Motor Speed Sensor (SE5, W7)	E2 — Rear Light (SE12, W5)
B4 — Transmission Speed Control Switch (SE5, W7)	E3 — Front Light (RH) (SE12, W5)
B5 — Left and Right Steer Sensor (SE5, W7)	E4 — Front Light (RH) (SE12, W5)
B6 — Hydrostatic Pump Speed Sensor (SE5, W7)	E5 — Right Rear Aux. Light (SE12)
B7 — Left Track Motor Speed Sensor (SE5, W7)	E6 — Left Rear Aux. Light (SE12)
B8 — Rear (LH) Pump Pressure Control Pilot (PCP) (SE5, W7)	E7 — Left Front Aux. Light (SE12)
B9 — Front (RH) Pump Pressure Control Pilot (PCP) (SE5, W7)	E8 — Right Front Aux. Light (SE12)
B10 — Fuel Sender (SE5, W7)	F1 — 5A Start Fuse (SE1, W5)
B11 — Engine Oil Pressure Switch/Sender (SE5, W6)	F2 — 5A Fuel Shut-Off, Alternator Excitation Fuse (SE2, W5)
B12 — Engine Coolant Temperature Sender (SE5, W6)	F3 — 10A Start Aid Fuse (SE3, W5)
B13 — Winch Pressure Switch (SE7, W6)	F4 — 5A Horn Fuse (SE4, W5)
B14 — Horn (SE4, W5)	F5 — 5A Transmission Controller Fuse (SE5, W5)
B15 — Transmission Oil Filter Restriction Switch (SE7, W7)	F6 — 5A Monitor/Gauge Fuse (SE6, W5)
B16 — Hydraulic Filter Restriction Switch (SE7, W7)	F7 — 10A Heater Blower Fuse (SE8, W5)
B17 — Transmission Oil Temperature Switch (SE7, W7)	F8 — 10A Condenser Fan Fuse (SE9, W5)
B18 — Air Filter Restriction Switch (SE7, W6)	F9 — 10A Condenser Fan Fuse (SE9, W5)
B19 — Reverse Speed Ratio Switch (SE5, W5)	F10 — 5A A/C Compressor Fuse (SE9, W5)
B20 — Right Speaker (SE12, W9)	F11 — 10A Front/Rear Wiper Fuse (SE10, W5)
B21 — Left Speaker (SE12, W9)	F12 — 10A Left/Right Wiper Fuse (SE10, W5)
B22 — A/C Freeze Switch (SE9, W8)	F13 — 15A Spare Fuse Aux. Light/CB (SE11, W5)
B23 — A/C High Pressure Switch (SE9, W8)	F14 — 10A Spare Fuse (SE11, W5)
B24 — A/C Low Pressure Switch (SE9, W8)	F15 — 10A Rops (Under Seat) Heater Fuse (SE11, W5)
	F16 — 10A Light Circuit Breaker (SE12, W5)
	F17 — 5A Dome Light, Radio Fuse (SWITCHED) (SE11, W5)
	F18 — 5A Radio Fuse (UNSWITCHED) (SE12, W5)
	F19 — 5A Service Expert Fuse (SE5, W7)
	F20 — 10A Spare Fuse (SE12, W5)
	F21 — 10A Spare Fuse (SE12, W5)
	G1 — Batteries (SE1)
	G2 — Jump Start Terminal (SE1, W6)
	G3 — Alternator (SE1, W6)
	H1 — Fuel Gauge Light (SE6, W5)
	H2 — Engine Oil Pressure Gauge Light (SE6, W5)

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CED.TX14826.12202 -19-15AUG00-1/3

- H3** — Engine Coolant Temperature Gauge Light (SE6, W5)
H4 — Transmission Oil Pressure Gauge Light (SE6, W5)
H5 — Display Monitor Alarm (SE7, W5)
H6 — Backup Alarm (SE5, W5)
K1 — Start Relay (SE1, W6)
K2 — Accessory Relay #1 (SE1, W5)
K3 — Horn Relay (SE4, W5)
K4 — Heater Blower Relay (SE5, W5)
K5 — A/C Relay (SE9, W5)
K6 — Accessory Relay #2 (SE10, W5)
M1 — Starter Motor (SE1, W6)
M2 — Heater Blower Motor (SE8, W8)
M3 — Front/Rear Washer Motor (SE10, W8)
M4 — Condenser Fan Motor (SE9, W8)
M5 — Condenser Fan Motor (SE9, W8)
M6 — Left Door Wiper Motor (SE10, W5)
M7 — Front Wiper Motor (SE10, W5)
M8 — Rear Wiper Motor (SE10, W5)
M9 — Right Door Wiper Motor (SE10, W5)
M10 — Rops/Cab Heater blower Motor (SE11, W5)
M11 — Left/Right Washer Motor (SE10, W5)
M12 — Heater Valve Motor (SE8, W5)
P1 — Fuel Gauge (SE6, W5)
P2 — Engine Oil Pressure Gauge (SE6, W5)
P3 — Engine Water Temperature Gauge (SE6, W5)
P4 — Hour Meter (SE6, W5)
P5 — Transmission Speed Display (SE5, W5)
R1 — Start Circuit Resistor (SE1, W5)
R2 — Cab Heater Blower Resistor (SE8, W5)
R3 — Rops/Cab Heater Blower Resistor (SE11, W5)
R4 — Can Termination Resistor (SE5, W5)
R5 — Can Termination Resistor (SE5, W7)
R6 — Motor Shift Resistor Module (SE5, W5)
R7 — Heater Valve Resistor (SE8, W8)
S1 — Key Switch (SE1, W5)
S2 — Battery Disconnect Switch (SE1, W5)
S3 — Neutral Start Switch (SE1, W7)
S4 — Brake Pedal Switch (SE1, W5)
S5 — Start Aid Switch (SE3, W5)
S6 — Horn Switch (SE4, W7)
S7 — Heater Blower Switch (SE8, W5)
S8 — Aux. Light Switch (SE12)
S9 — Left/Right Door Wiper Motor Switch (SE10, W5)
S10 — Front/Rear Wiper Motor Switch (SE10, W5)
S11 — Rear Aux. Light Switch (SE12)
S12 — Front Aux. Light Switch (SE12)
S13 — Rops Heater/Blower Switch (SE11, W5)
S14 — Light Switch (SE12, W5)
S15 — Dime Light Switch (SE11, W5)
S16 — A/C On/Off Switch (SE9, W5)
S17 — Park Lock Lever Switch (SE5, W5)
U1 — 24V to 12V Radio Converter (SE12, W9)
V1 — 5A Alternator Diode (SE1, W5)
V2 — 1A Start Relay Diode (SE1, W5)
V3 — 5A Start Circuit Diode (SE1, W5)
V4 — 5A Starter Solenoid Diode (SE1, W5)
V5 — 1A Display Monitor, Park, Seat Belt Diode (SE7, W5)
V6 — 5A A/C Compressor Clutch Diode (SE9, W6)
V7 — Rear Wiper Diode (SE10, W11)
V8 — Door Wiper Diode (SE10)
W1 — Frame Ground Strap-to-Rops (Left Rear) (SE1, W7)
W2 — Rops Ground Strap-To-Frame Ground (SE1, W5)
W3 — Starter Ground Strap-To-Frame Ground (SE1, W6)
W4 — Transmission Controller Ground Strap-To-Rops (SE5)
W5 — Cab Harness (W5)
W6 — Engine Harness (W6)
W7 — Transmission Harness (W7)
W8 — A/C Harness (W8)
W9 — Radio Harness (W9)
W10 — Radio Antenna Harness (W10)
W11 — Rear Wiper Harness (W11)
X1 — Transmission Controller Connector (W7)
X2 — Transmission Controller Connector (W7)
X3 — Service Expert Connector (9 Pin) (W7)
X4 — Engine Harness Connector-To-Fuel Fired Harness Connector (SE12, W6)
X5 — Display Monitor Connector (12 Pin) (SE8, W5)
X6 — Display Monitor Connector (8 Pin) (SE7, W5)
X7 — 15A Spare Connector (Aux. Lights/CB) (SE12)
X8 — 10A Spare Fuse Connector (SE11)
X9 — 10A Spare Fuse Connector (SE12)
X10 — 10A Spare Fuse Connector (SE12)
X11 — Cab Harness Connector-To-Transmission Harness Connector (W5, W7)

- | | |
|---|---|
| X12 — Cab Harness Connector-To-Engine Harness Connector (W5, W6) | X29 — Splice G20 Black Wire (W5) |
| X13 — Cab Harness Connector-To-Radio Harness Connector (W5) | X30 — Splice G01 Black Wire (W5) |
| X14 — Cab Harness Connector-To-Aux. Light Harness Connector (W5) | X31 — Splice L43 Brown Wire (W6) |
| X15 — Cab Harness Connector-To-Aux. Light Harness Connector (W5) | X32 — Splice M01 Purple Wire (W5) |
| X16 — Cab Harness Connector-To-Rear Wiper Harness Connector (W5) | X33 — Splice M12 Yellow Wire (W7) |
| X17 — Transmission Harness Connector-To-Fuel Sender Harness Connector (W7) | X34 — Splice M13 Green Wire (W7) |
| X18 — Cab Harness Connector-To-A/C Harness Connector (W5) | X35 — Splice M12 Yellow Wire (W5) |
| X19 — Splice B01 Red Wire (W5) | X36 — Splice M13 Green Wire (W5) |
| X20 — Splice B01 Red Wire (W6) | X37 — Splice P06 Red Wire (W5) |
| X21 — Splice E07 White Wire (W5) | X38 — Splice P15 Red Wire (W5) |
| X22 — Splice E09 White Wire (W7) | X39 — Splice P21 Red Wire (W5) |
| X23 — Splice G01 Black Wire (W7) | X40 — Splice P26 Red Wire (W5) |
| X24 — Splice G02 Black Wire (W5) | X41 — Splice P27 Red Wire (W5) |
| X25 — Splice G04 Black Wire (W5) | X42 — Splice T08 Blue Wire (W7) |
| X26 — Splice G05 Black Wire (W6) | X43 — Splice T52 Blue Wire (W7) |
| X27 — Splice G06 Black Wire (W7) | X44 — Transmission Harness Connector-To-Resistor Module Assembly (SE5, W7) |
| X28 — Splice G10 Black Wire (W5) | X45 — Winch Connector (SE7, W5) |
| | X46 — Transmission Oil Temp. Connector (W5) |
| | Y1 — Fuel Shut-Off Solenoid (SE2, W6) |
| | Y2 — Start Aid Solenoid (SE3, W6) |
| | Y3 — (Not Used) |
| | Y4 — Not Used |
| | Y5 — A/C Compressor Clutch Solenoid (SE9, W6) |

System Functional Schematic Section Legend (S.N. —910010)

*NOTE: SE1—Battery/Ignition, Power, Charging and Start
Circuits (24Volt System)*

- *SE1 indicates section number of system functional schematic where circuit is located.*
- *Battery/Ignition, Power, Charging and Start Circuits (24 Volt System) indicates circuit name.*

SE1 — Battery, Ignition, Power, Charging and Start
Circuits (24 Volt System)

SE2 — Fuel Shut-Off Circuit

SE3 — Start Aid Circuit

SE4 — Horn Circuit

SE5 — Transmission Controller, Back-Up Alarm Circuits

SE6 — Gauge Circuits

SE7 — Display Monitor and Indicator Circuits

SE8 — Heater/Blower Circuit

SE9 — Air Conditioning Circuit

SE10 — Wiper Washer Circuit

SE11 — Under Seat Heater, Spare Fuses, Dome Light
Circuits

SE12 — Radio, Light Circuits

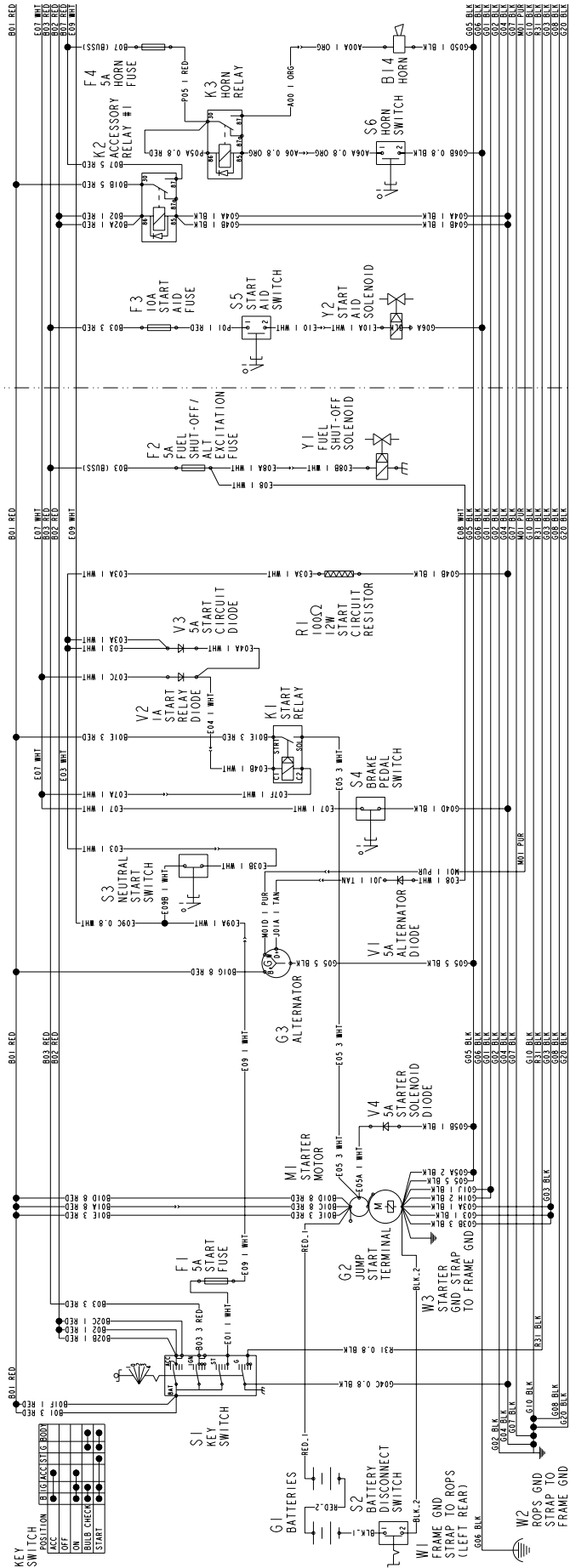
SE13 — Spare Fuses For Auxiliary Functions And Fuel
Fired Heater

CED,TX14826,12203 -19-26FEB03-1/1

System Functional Schematic (S.N. —910010)

1702833 -15-3040200

KEY SWITCH POSITION	F106 ACCESSORY	B003
ACC	●	●
OFF	●	●
IGN	●	●
CHARGE CHECK	●	●
START	●	●



SE1 BATTERY, IGNITION, POWER, STARTING, AND CHARGING CIRCUITS (CONTINUED)
(24 VOLT SYSTEM)

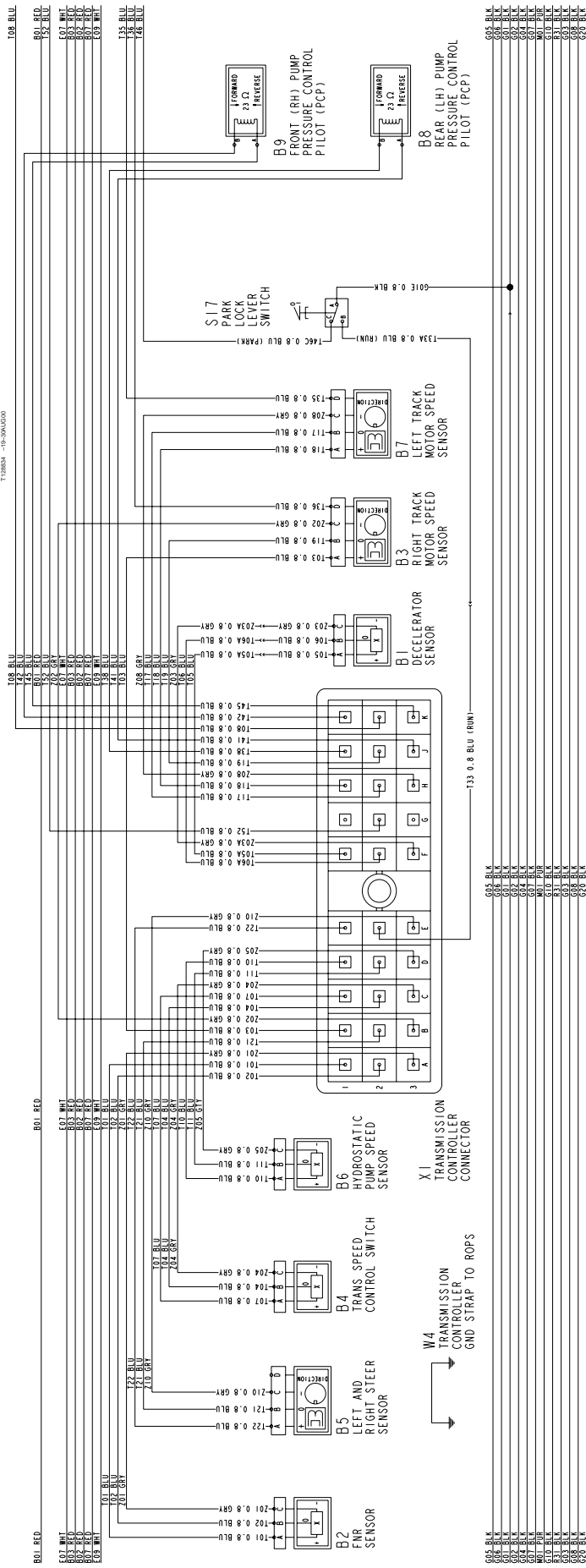
700H SYSTEM FUNCTIONAL SCHEMATIC (1 OF 6)

A1220874 (3 OF 4)

1702833

System Diagrams

T128834 - 10-20AUG00



SE5 TRANSMISSION CONTROLLER C CIRCUIT

700H SYSTEM FUNCTIONAL SCHEMATIC (2 OF 6)

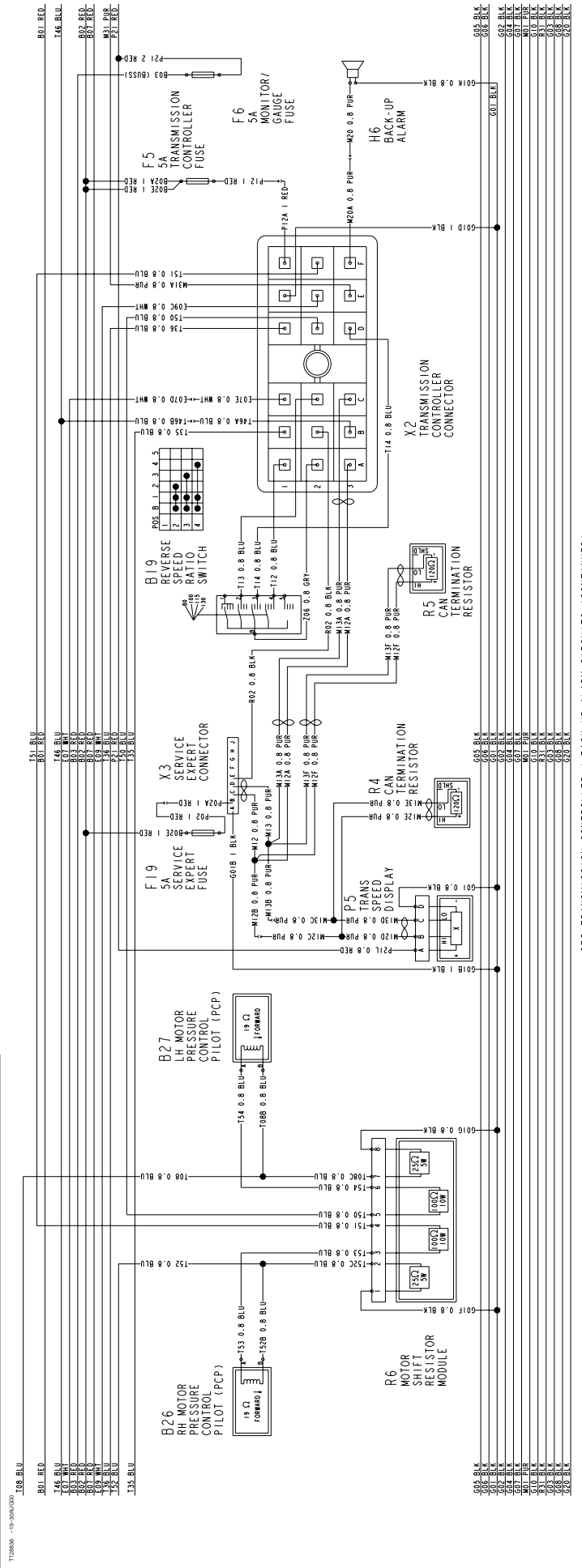
T1228814 (3.0)

T128834

9015-10-22

700Hrawler Dozer
P/N=160

System Diagrams



SE5 TRANSMISSION CONTROLLER / BACK-UP ALARM CIRCUITS (CONTINUED)

1128836

700H SYSTEM FUNCTIONAL SCHEMATIC (3 OF 6)

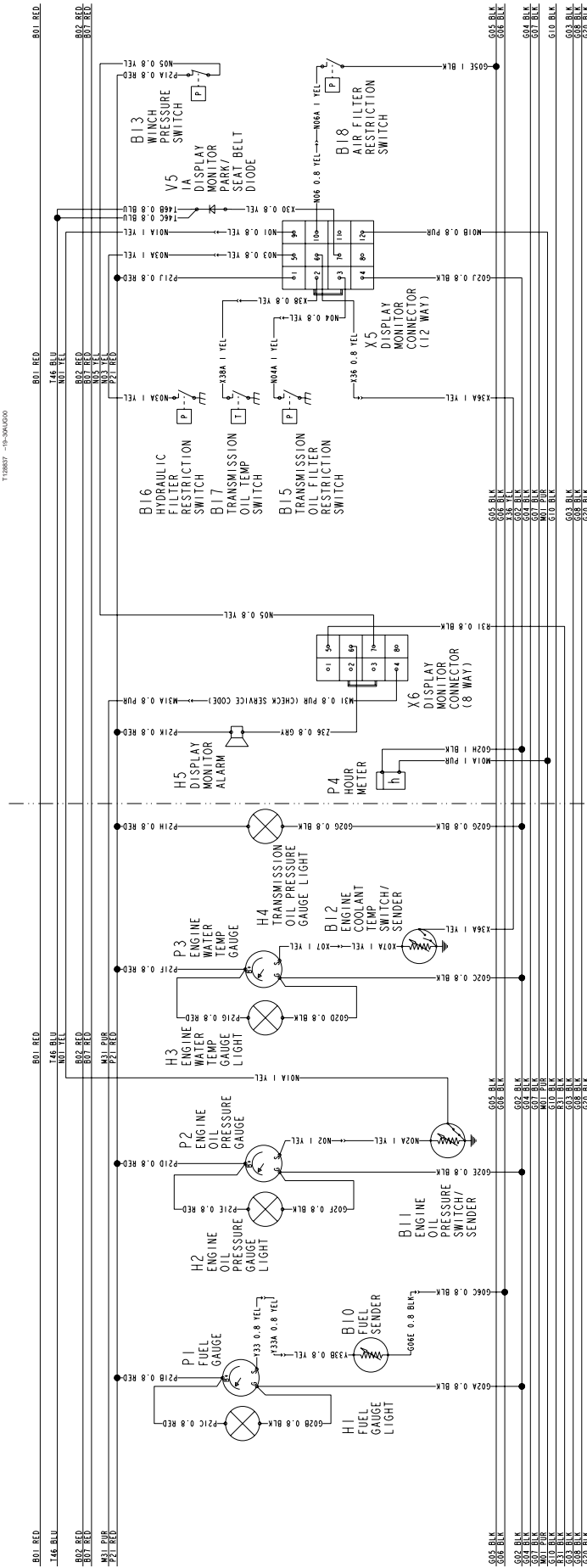
1128836

CE57X USES D281 - 10-200820-03
700H Crawler Dozer
PN=161

9015-10-23

TM185E (30JUN04)

T128837 - 700-30AUG00



700H SYSTEM FUNCTIONAL SCHEMATIC (4 OF 6)

T128837

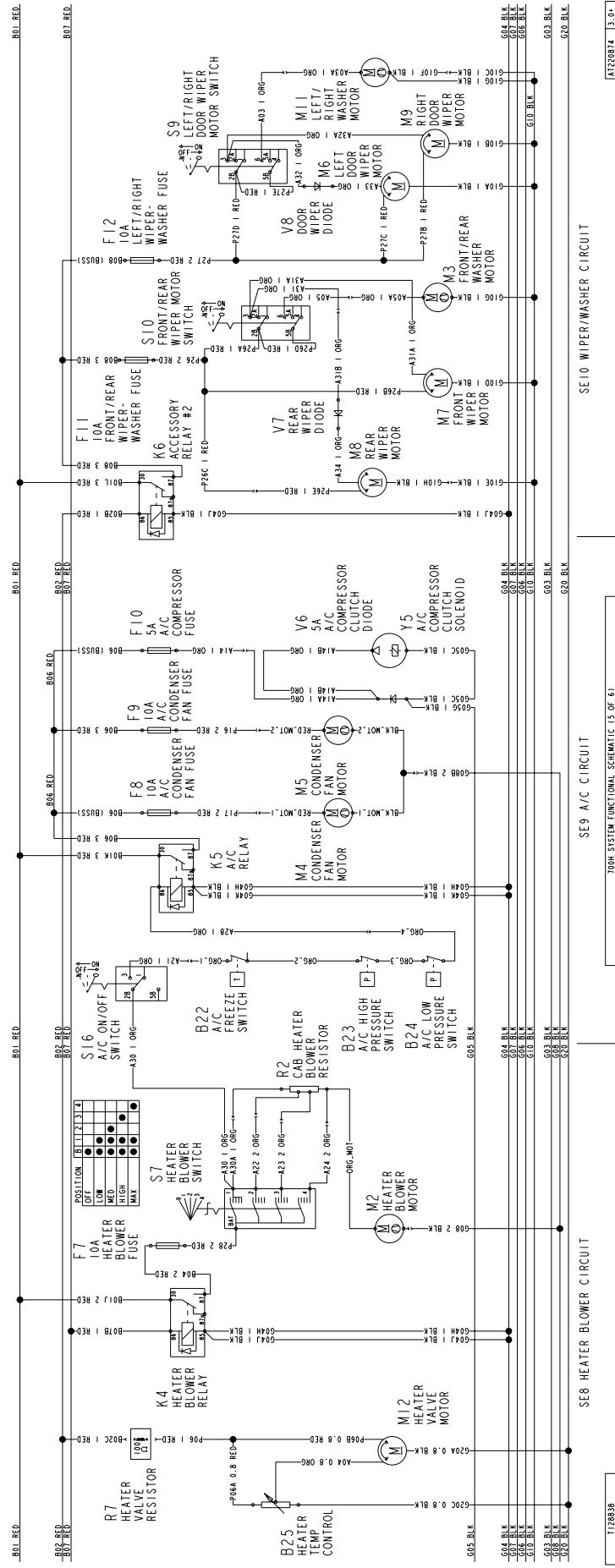
9015-10-24

700H Crewler Dozer

PH=622

System Diagrams

1128838 -19-3040000



1128838

SE8 HEATER BLOWER CIRCUIT

SE9 A/C CIRCUIT

SE10 WIPER/WASHER CIRCUIT

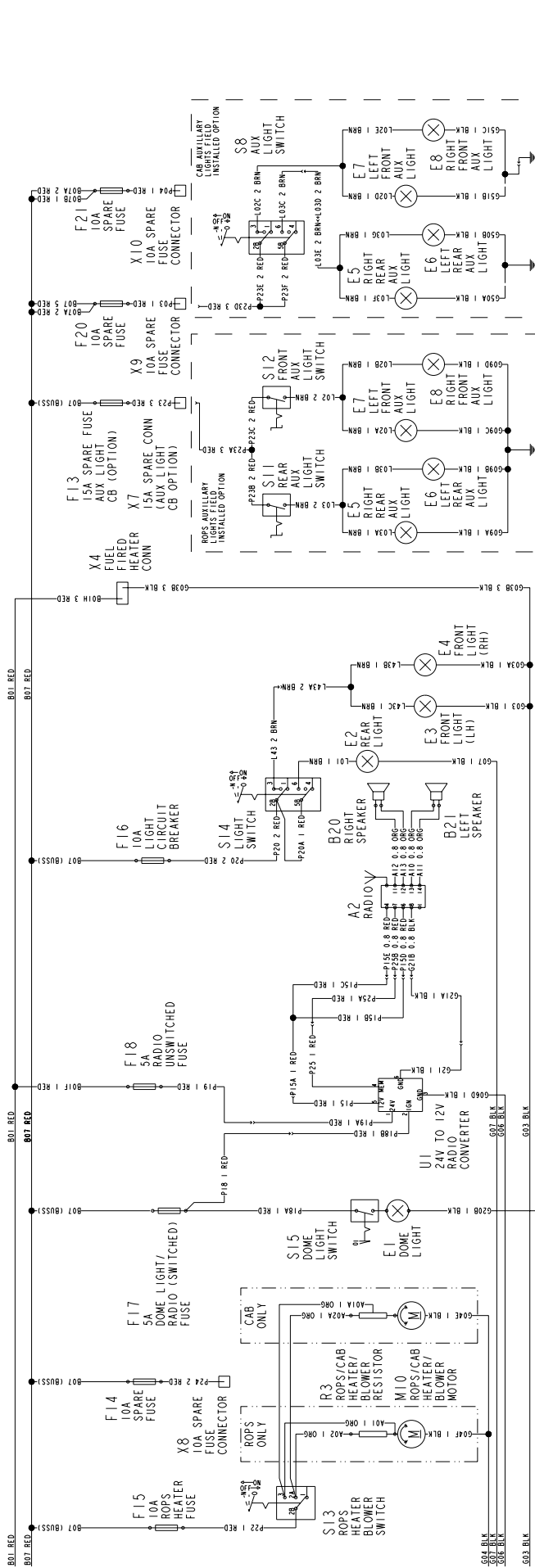
700H SYSTEM FUNCTIONAL SCHEMATIC (5 OF 6)

9015-10-25

TM1855 (30JUN04)

700H Crawler Dozer
PN=163

T128839 -10-30AUG00



SE12 RADIO/LIGHT CIRCUITS

SE11 UNDER SEAT HEATER/SPARE FUSE/DOME LIGHT CIRCUITS

SE12 AUX LIGHTS (FIELD OPTION)

T122881X (3 OF 6)

T128839

System Functional Schematic, Wiring Diagram And Component Location Legend (S.N. 910011—920838)

NOTE: A1—Transmission Controller (SE5, W--)

- A1 indicates component identification number.
- Transmission Controller indicates component name.
- SE5 indicates section number of SYSTEM FUNCTIONAL SCHEMATIC where component is located.
- W7 indicates HARNESS WIRING DIAGRAM and HARNESS COMPONENT LOCATION drawings where component is located.

A1 — Transmission Controller (SE5, W7)	B25 — Heater Temp Control (SE8, W5)
A2 — Radio 12V (SE12, W9)	B26 — (RH) Right Motor Pressure Control Pilot Valve (PCP) (SE5, W7)
B1 — Decelerator Sensor (SE5, W5)	B27 — (LH) Left Motor Pressure Control Pilot Valve (PCP) (SE5, W7)
B2 — FNR Sensor (SE5, W7)	B28 — Hydraulic Temperature Sender (SE6, W)
B3 — Right Track Motor Speed Sensor (SE5, W7)	B29 — Horn (SE4, W5)
B4 — Transmission Speed Control Switch (SE5, W7)	E1 — Dome Light (SE11, W5)
B5 — Left and Right Steer Sensor (SE5, W7)	E2 — Rear Light (SE12, W7)
B6 — Hydrostatic Pump Speed Sensor (SE5, W7)	E3 — Front Light (LH) (SE12, W5)
B7 — Left Track Motor Speed Sensor (SE5, W7)	E4 — Front Light (RH) (SE12, W5)
B8 — Rear (LH) Pump Pressure Control Pilot (PCP) (SE5, W7)	E5 — Right Rear Aux. Light (SE12)
B9 — Front (RH) Pump Pressure Control Pilot (PCP) (SE5, W7)	E6 — Left Rear Aux. Light (SE12)
B10 — Fuel Sender (SE5, W7)	E7 — Left Front Aux. Light (SE12)
B11 — Not Used	E8 — Right Front Aux. Light (SE12)
B12 — Engine Coolant Temperature Sensor (SE5, W6)	F1 — 5A Start Fuse (SE1, W5)
B13 — Winch Pressure Switch (SE7, W7)	F2 — 5A Fuel Shut-Off, Alternator Excitation Fuse (SE2, W5)
B14 — Engine Oil Pressure Sensor	F3 — 10A Start Aid Fuse (SE3, W5)
B15 — Transmission Oil Filter Restriction Switch (SE7, W7)	F4 — 5A Horn Fuse (SE4, W5)
B16 — Hydraulic Filter Restriction Switch (SE7, W7)	F5 — 5A Transmission Controller Fuse (SE5, W5)
B17 — Transmission Oil Temperature Switch (SE7, W7)	F6 — 7.5A Monitor/Gauge Fuse (SE6, W5)
B18 — Air Filter Restriction Switch (SE7, W6)	F7 — 10A Heater Blower Fuse (SE8, W5)
B19 — Reverse Speed Ratio Switch (SE5, W5)	F8 — 10A Condenser Fan Fuse (SE9, W5)
B20 — Right Speaker (SE12, W9)	F9 — 10A Condenser Fan Fuse (SE9, W5)
B21 — Left Speaker (SE12, W9)	F10 — 5A A/C Compressor Fuse (SE9, W5)
B22 — A/C Freeze Switch (SE9, W8)	F11 — 10A Front/Rear Wiper Fuse (SE10, W5)
B23 — A/C High Pressure Switch (SE9, W8)	F12 — 10A Left/Right Wiper Fuse (SE10, W5)
B24 — A/C Low Pressure Switch (SE9, W8)	F13 — 15A Spare Fuse Aux. Light/CB (SE11, W5)
	F14 — 10A Spare Fuse (SE11, W5)
	F15 — 15A Rops (Under Seat) Heater Fuse (SE11, W5)
	F16 — 10A Light Circuit Breaker (SE12, W5)
	F17 — 5A Dome Light, Radio Fuse (SWITCHED) (SE11, W5)
	F18 — 5A Radio Fuse (UNSWITCHED) (SE12, W5)
	F19 — 5A Service Expert Fuse (SE5, W7)
	F20 — 10A Spare Fuse (SE12, W5)
	F21 — 10A Spare Fuse (SE12, W5)
	F22 — 10A Fuel Filter Heater/Spare Fuse (SE2, W5)
	G1 — Batteries (SE1)
	G2 — Jump Start Terminal (SE1, W6)
	G3 — Alternator (SE1, W6)

H1 — Not Used	S13 — Rops Heater/Blower Switch (SE11, W5)
H2 — Not Used	S14 — Light Switch (SE12, W5)
H3 — Not Used	S15 — Dime Light Switch (SE11, W5)
H4 — Transmission Oil Pressure Gauge Light (SE6, W5)	S16 — A/C On/Off Switch (SE9, W5)
H5 — Display Monitor Alarm (SE7, W5)	S17 — Park Lock Lever Switch (SE5, W5)
H6 — Backup Alarm (SE5, W7)	U1 — 24V to 12V Radio Converter (SE12, W7)
H7 — Winch Pressure Warning Light (SE7, W5)	V1 — 5A Alternator Diode (SE1, W5)
K1 — Start Relay (SE1, W6)	V2 — 1A Start Relay Diode (SE1, W5)
K2 — Accessory Relay #1 (SE1, W5)	V3 — 5A Start Circuit Diode (SE1, W5)
K3 — Horn Relay (SE4, W5)	V4 — 5A Starter Solenoid Diode (SE1, W5)
K4 — Heater Blower Relay (SE5, W5)	V5 — Not Used
K5 — A/C Relay (SE9, W5)	V6 — 5A A/C Compressor Clutch Diode (SE9, W6)
K6 — Accessory Relay #2 (SE10, W5)	V7 — Rear Wiper Diode (SE10, W11)
K7 — Transmission Controller/Monitor Relay (SE1, W5)	V8 — Door Wiper Diode (SE10)
M1 — Starter Motor (SE1, W6)	W1 — Frame Ground Strap-to-Rops (Left Rear) (SE1, W7)
M2 — Heater Blower Motor (SE8, W8)	W2 — Rops Ground Strap-To-Frame Ground (SE1, W5)
M3 — Front/Rear Washer Motor (SE10, W8)	W3 — Starter Ground Strap-To-Frame Ground (SE1, W6)
M4 — Condenser Fan Motor (SE9, W8)	W4 — Transmission Controller Ground Strap-To-Rops (SE5)
M5 — Condenser Fan Motor (SE9, W8)	W5 — Cab Harness (W5)
M6 — Left Door Wiper Motor (SE10, W5)	W6 — Engine Harness (W6)
M7 — Front Wiper Motor (SE10, W5)	W7 — Transmission Harness (W7)
M8 — Rear Wiper Motor (SE10, W5)	W8 — A/C Harness (W8)
M9 — Right Door Wiper Motor (SE10, W5)	W9 — Radio Harness (W9)
M10 — Rops/Cab Heater blower Motor (SE11, W5)	W10 — Radio Antenna Harness (W10)
M11 — Left/Right Washer Motor (SE10, W5)	W11 — Rear Wiper Harness (W11)
M12 — Heater Valve Motor (SE8, W5)	X1 — Transmission Controller Connector (W7)
R1 — Start Circuit Resistor (SE1, W5)	X2 — Transmission Controller Connector (W7)
R2 — Cab Heater Blower Resistor (SE8, W5)	X3 — Service Expert Connector (9 Pin) (W7)
R3 — Rops/Cab Heater Blower Resistor (SE11, W5)	X4 — Engine Harness Connector-To-Fuel Fired Harness Connector (SE12, W6)
R4 — Can Termination Resistor (SE5, W5)	X5 — Display Monitor Connector (10 Pin) (SE8, W5)
R5 — Can Termination Resistor (SE5, W7)	X6 — Display Monitor Connector (10 Pin) (SE7, W5)
R6 — Motor Shift Resistor Module (SE5, W5)	X7 — 15A Spare Connector (Aux. Lights/CB) (SE12)
R7 — Heater Valve Resistor (SE8, W8)	X8 — 10A Spare Fuse Connector (SE11)
S1 — Key Switch (SE1, W5)	X9 — 10A Spare Fuse Connector (SE12)
S2 — Battery Disconnect Switch (SE1, W5)	X10 — 10A Spare Fuse Connector (SE12)
S3 — Neutral Start Switch (SE1, W7)	X11 — Cab Harness Connector-To-Transmission Harness Connector (W5, W7)
S4 — Brake Pedal Switch (SE1, W5)	X12 — Cab Harness Connector-To-Engine Harness Connector (W5, W6)
S5 — Start Aid Switch (SE3, W5)	X13 — Cab Harness Connector-To-Radio Harness Connector (W5)
S6 — Horn Switch (SE4, W7)	
S7 — Heater Blower Switch (SE8, W5)	
S8 — Aux. Light Switch (SE13)	
S9 — Left/Right Door Wiper Motor Switch (SE10, W5)	
S10 — Front/Rear Wiper Motor Switch (SE10, W5)	
S11 — Rear Aux. Light Switch (SE12)	
S12 — Front Aux. Light Switch (SE12)	

- | | |
|---|---|
| X14 — Cab Harness Connector-To-Aux. Light Harness Connector (W5) | X34 — Splice M13 Green Wire (W7) |
| X15 — Cab Harness Connector-To-Aux. Light Harness Connector (W5) | X35 — Splice M12 Yellow Wire (W5) |
| X16 — Cab Harness Connector-To-Rear Wiper Harness Connector (W5) | X36 — Splice M13 Green Wire (W5) |
| X17 — Transmission Harness Connector-To-Fuel Sender Harness Connector (W7) | X37 — Splice P06 Red Wire (W5) |
| X18 — Cab Harness Connector-To-A/C Harness Connector (W5) | X38 — Splice P15 Red Wire (W5) |
| X19 — Splice B01 Red Wire (W5) | X39 — Splice P21 Red Wire (W5) |
| X20 — Splice B01 Red Wire (W6) | X40 — Splice P26 Red Wire (W5) |
| X21 — Splice E07 White Wire (W5) | X41 — Splice P27 Red Wire (W5) |
| X22 — Splice E09 White Wire (W7) | X42 — Splice T08 Blue Wire (W7) |
| X23 — Splice G01 Black Wire (W7) | X43 — Splice T52 Blue Wire (W7) |
| X24 — Splice G02 Black Wire (W5) | X44 — Transmission Harness Connector-To-Resistor Module Assembly (SE5, W7) |
| X25 — Splice G04 Black Wire (W5) | X45 — Winch Connector (SE7, W5) |
| X26 — Splice G05 Black Wire (W6) | X46 — Transmission Oil Temp. Connector (W5) |
| X27 — Splice G06 Black Wire (W7) | X47 — Splice R04 Black Wire (W5) |
| X28 — Splice G10 Black Wire (W5) | X48 — Spare Connector (W5) |
| X29 — Splice G20 Black Wire (W5) | X49 — Splice R04 Black Wire (W6) |
| X30 — Splice G01 Black Wire (W5) | X50 — Splice R02 Black Wire (W7) |
| X31 — Splice L43 Brown Wire (W6) | X51 — Splice R04 Black Wire (W7) |
| X32 — Splice M01 Purple Wire (W5) | X52 — Splice R02 Black Wire (W5) |
| X33 — Splice M12 Yellow Wire (W7) | Y1 — Fuel Shut-Off Solenoid (SE2, W6) |
| | Y2 — Start Aid Solenoid (SE3, W6) |
| | Y3 — Not Used |
| | Y4 — Not Used |
| | Y5 — A/C Compressor Clutch Solenoid (SE9, W6) |

TX14826,000324B -19-10SEP03-3/3

9015
10
29

System Functional Schematic Section Legend (S.N. 910011—920838)

NOTE: SE1—Battery/Ignition, Power, Charging and Start Circuits (24Volt System)

- *SE1 indicates section number of system functional schematic where circuit is located.*
- *Battery/Ignition, Power, Charging and Start Circuits (24 Volt System) indicates circuit name.*

SE1 — Battery, Ignition, Power, Charging and Start Circuits (24 Volt System)

SE2 — Fuel Shut-Off Circuit

SE3 — Start Aid Circuit

SE4 — Horn Circuit

SE5 — Transmission Controller, Back-Up Alarm Circuits

SE6 — Display Monitor, Indicator, Gauge Circuits

SE7 — Display Monitor, Indicator, Gauge Circuits
(Continued)

SE8 — Heater/Blower Circuit

SE9 — Air Conditioning Circuit

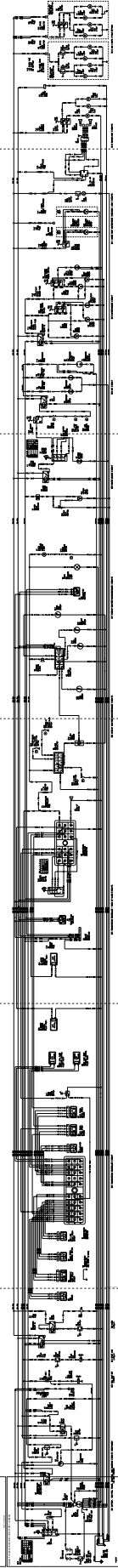
SE10 — Wiper Washer Circuit

SE11 — Under Seat Heater, Spare Fuses, Dome Light Circuits

SE12 — Radio, Light Circuits

SE13 — Spare Fuses For Auxiliary Functions And Fuel Fired Heater

TX14826,000324C -19-10SEP03-1/1



See Page 9015-10-31 A

See Page 9015-10-31 B

See Page 9015-10-31 C

See Page 9015-10-31 D

See Page 9015-10-31 E

See Page 9015-10-31 F

System Functional Schematic, Wiring Diagram And Component Location Legend (S.N. 920839—)

NOTE: A1—Transmission Controller (SE5, W--)

- A1 indicates component identification number.
- Transmission Controller indicates component name.
- SE5 indicates section number of SYSTEM FUNCTIONAL SCHEMATIC where component is located.
- W7 indicates HARNESS WIRING DIAGRAM and HARNESS COMPONENT LOCATION drawings where component is located.

A1 — Transmission Controller (SE5, W7)

A2 — Radio 12V (SE12, W9)

A3 — Engine Controller (SE6, W6)

B1 — Decelerator Sensor (SE6, W5)

B2 — FNR Sensor (SE5, W7)

B3 — Right Track Motor Speed Sensor (SE5, W7)

B4 — Transmission Speed Control Switch (SE5, W7)

B5 — Left and Right Steer Sensor (SE5, W7)

B6 — Crank Position Sensor (SE6, W6)

B7 — Left Track Motor Speed Sensor (SE5, W7)

B8 — Rear (LH) Pump Pressure Control Pilot (PCP) (SE5, W7)

B9 — Front (RH) Pump Pressure Control Pilot (PCP) (SE5, W7)

B10 — Fuel Sender (SE5, W7)

B11 — Not Used

B12 — Engine Coolant Temperature Sensor (SE6, W6)

B13 — Winch Pressure Switch (SE7, W7)

B14 — Engine Oil Pressure Sensor (SE6, W6)

B15 — Transmission Oil Filter Restriction Switch (SE7, W7)

B16 — Hydraulic Filter Restriction Switch (SE7, W7)

B17 — Transmission Oil Temperature Switch (SE7, W7)

B18 — Air Filter Restriction Switch (SE7, W6)

B19 — Reverse Speed Ratio Switch (SE5, W5)

B20 — Right Speaker (SE12, W9)

B21 — Left Speaker (SE12, W9)

B22 — A/C Freeze Switch (SE9, W8)

B23 — A/C High Pressure Switch (SE9, W8)

B24 — A/C Low Pressure Switch (SE9, W8)

B25 — Heater Temp Control (SE8, W5)

B26 — (RH) Right Motor Pressure Control Pilot Valve (PCP) (SE5, W7)

B27 — (LH) Left Motor Pressure Control Pilot Valve (PCP) (SE5, W7)

B28 — Hydraulic Temperature Sender (SE6, W)

B29 — Horn (SE4, W5)

B30 — Coolant Loss Temperature Sensor (SE6, W6)

B31 — Manifold Air Temperature Sensor (SE6, W6)

B32 — Fuel Temperature Sensor (SE6, W6)

E1 — Dome Light (SE11, W5)

E2 — Rear Light (SE12, W7)

E3 — Front Light (LH) (SE12, W5)

E4 — Front Light (RH) (SE12, W5)

E5 — Right Rear Aux. Light (SE12)

E6 — Left Rear Aux. Light (SE12)

E7 — Left Front Aux. Light (SE12)

E8 — Right Front Aux. Light (SE12)

F1 — 5A Start Fuse (SE1, W5)

F2 — 5A Spare Fuse (SE2)

F3 — 10A Start Aid Fuse (SE3, W5)

F4 — 5A Horn Fuse (SE4, W5)

F5 — 5A Transmission Controller Fuse (SE5, W5)

F6 — 7.5A Monitor/Gauge Fuse (SE6, W5)

F7 — 10A Heater Blower Fuse (SE8, W5)

F8 — 10A Condenser Fan Fuse (SE9, W5)

F9 — 10A Condenser Fan Fuse (SE9, W5)

F10 — 5A A/C Compressor Fuse (SE9, W5)

F11 — 10A Front/Rear Wiper Fuse (SE10, W5)

F12 — 10A Left/Right Wiper Fuse (SE10, W5)

F13 — 15A Spare Fuse Aux. Light/CB (SE11, W5)

F14 — 10A Spare Fuse (SE11, W5)

F15 — 15A Rops (Under Seat) Heater Fuse (SE11, W5)

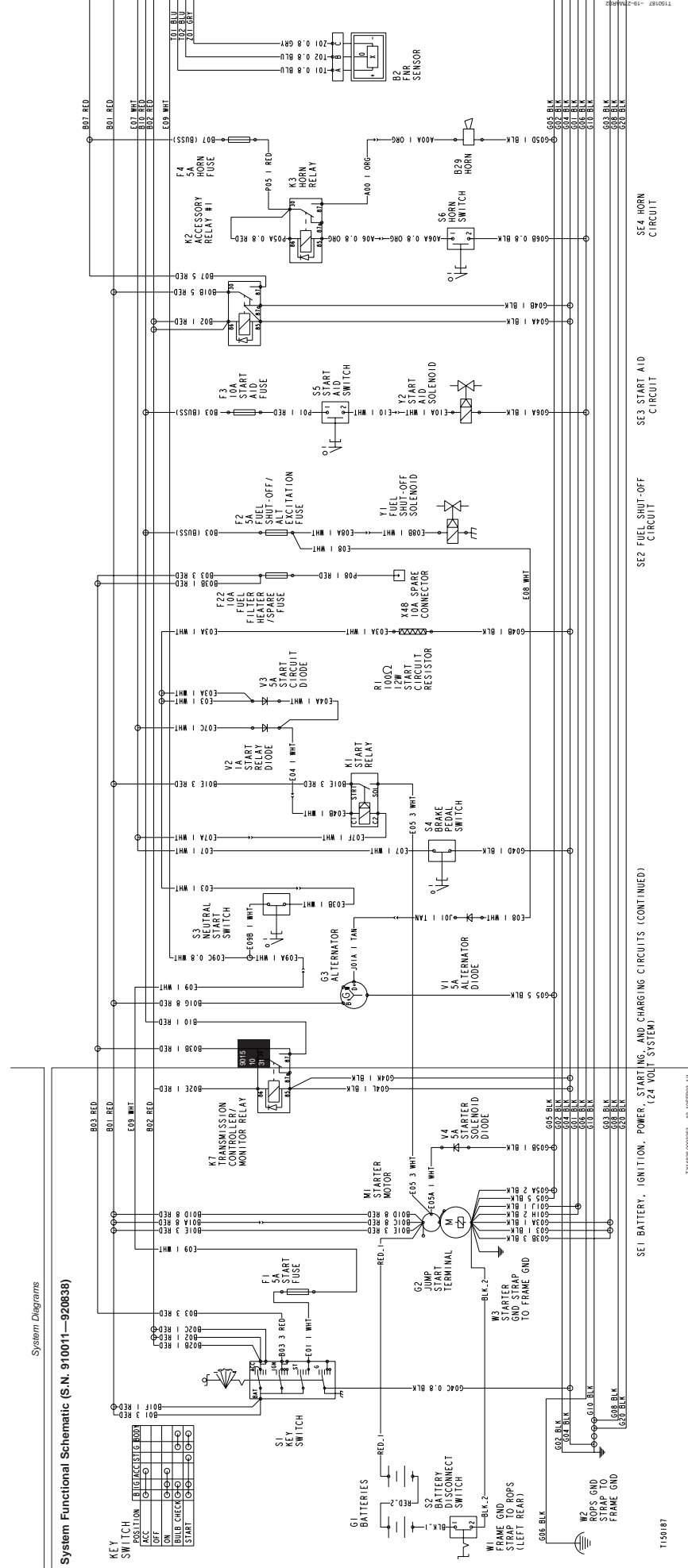
F16 — 10A Light Circuit Breaker (SE12, W5)

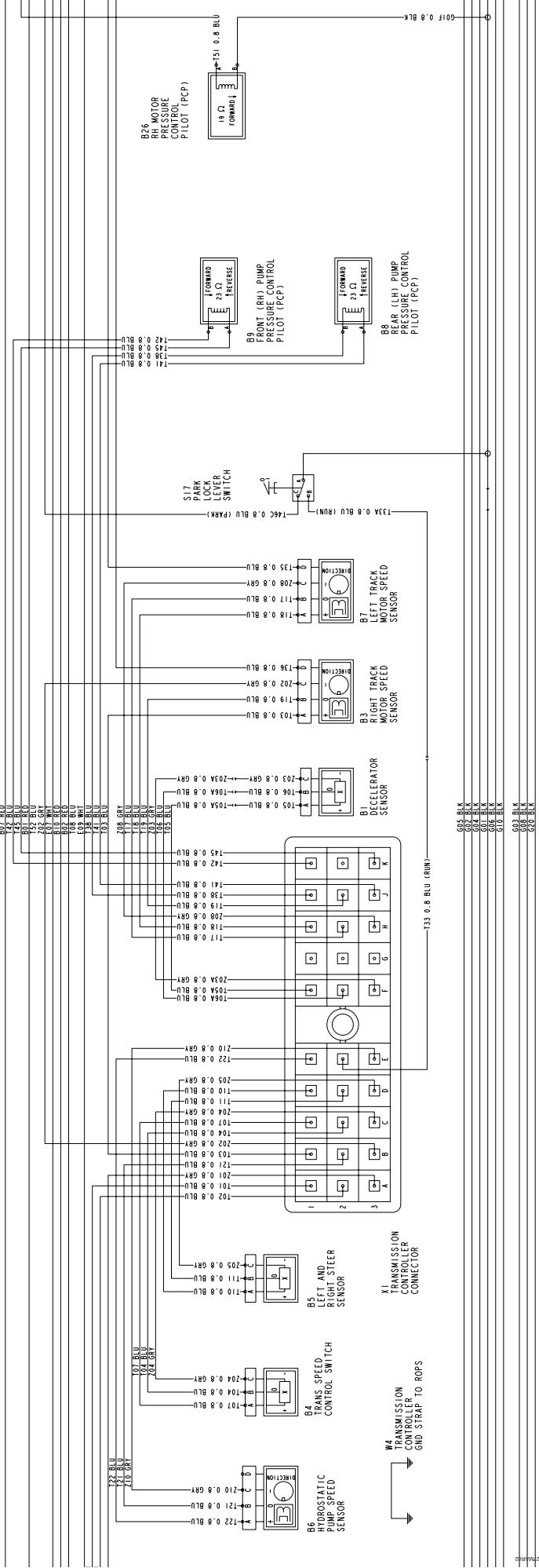
F17 — 5A Dome Light, Radio Fuse (SWITCHED) (SE11, W5)

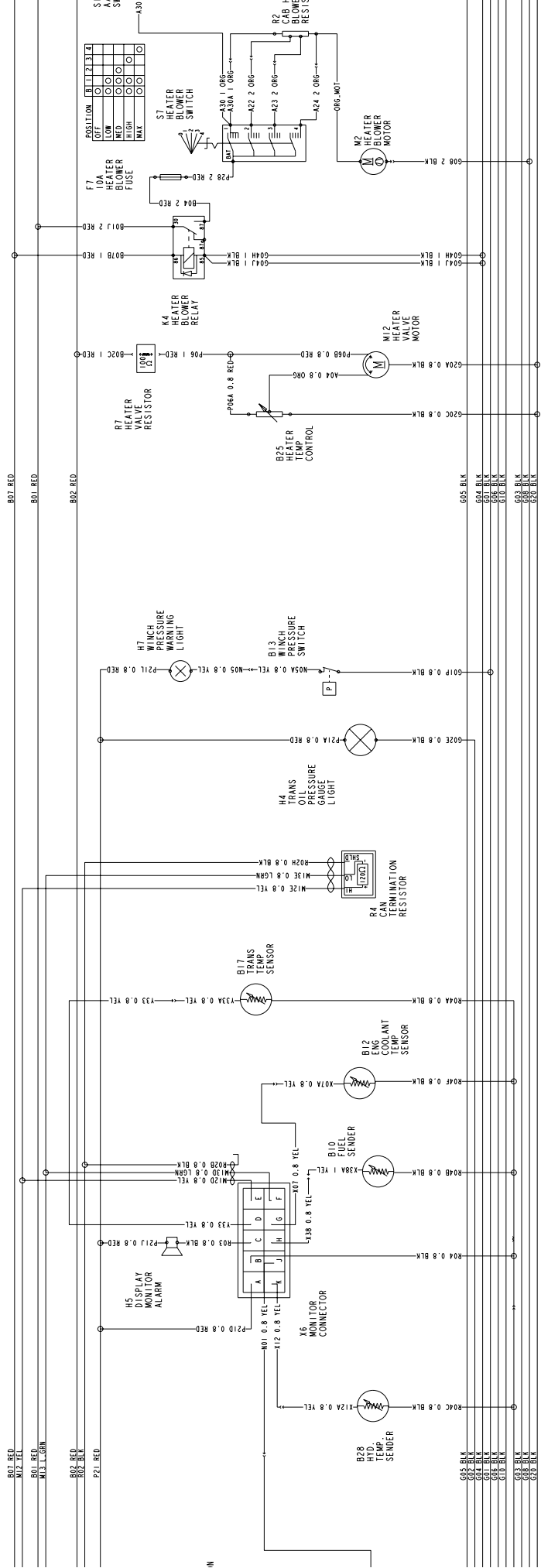
F18 — 5A Radio Fuse (UNSWITCHED) (SE12, W5)

F19 — 5A Service Expert Fuse (SE5, W7)

F20 — 5A Engine Controller Fuse "Switched" (SE6, W6)



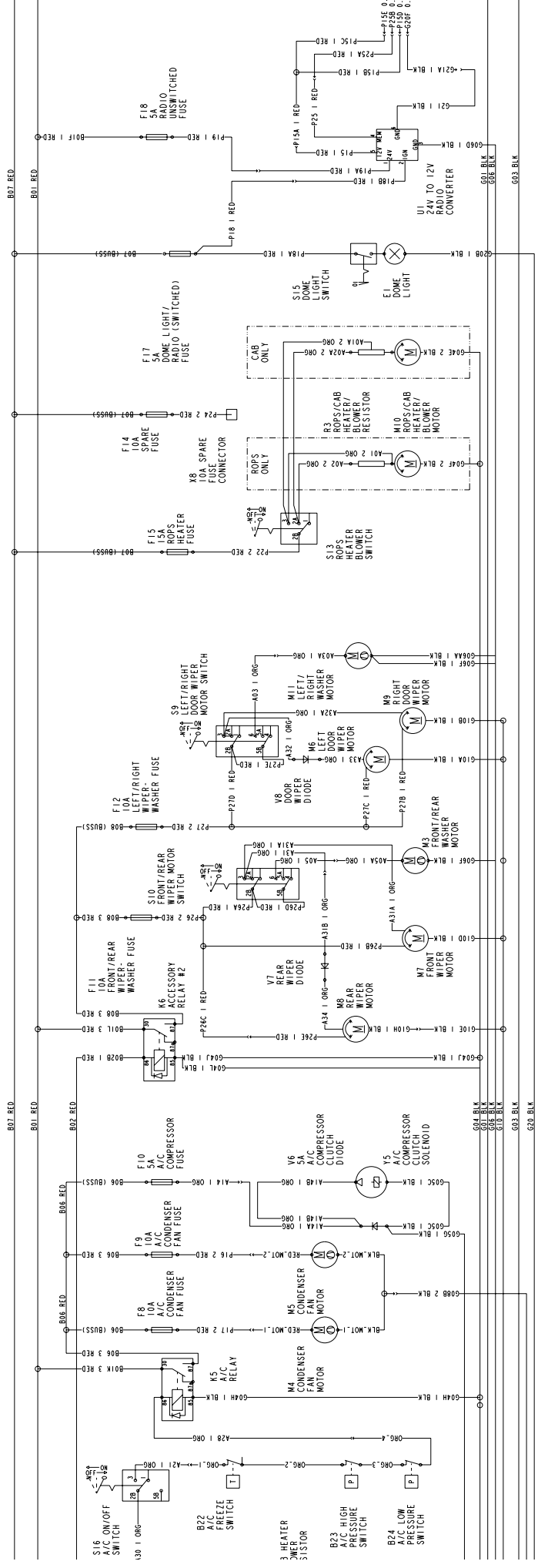




SE8 HEATER BLOWER CIRCUIT

SET DISPLAY MONITOR/INDICATOR/GAUGE CIRCUITS

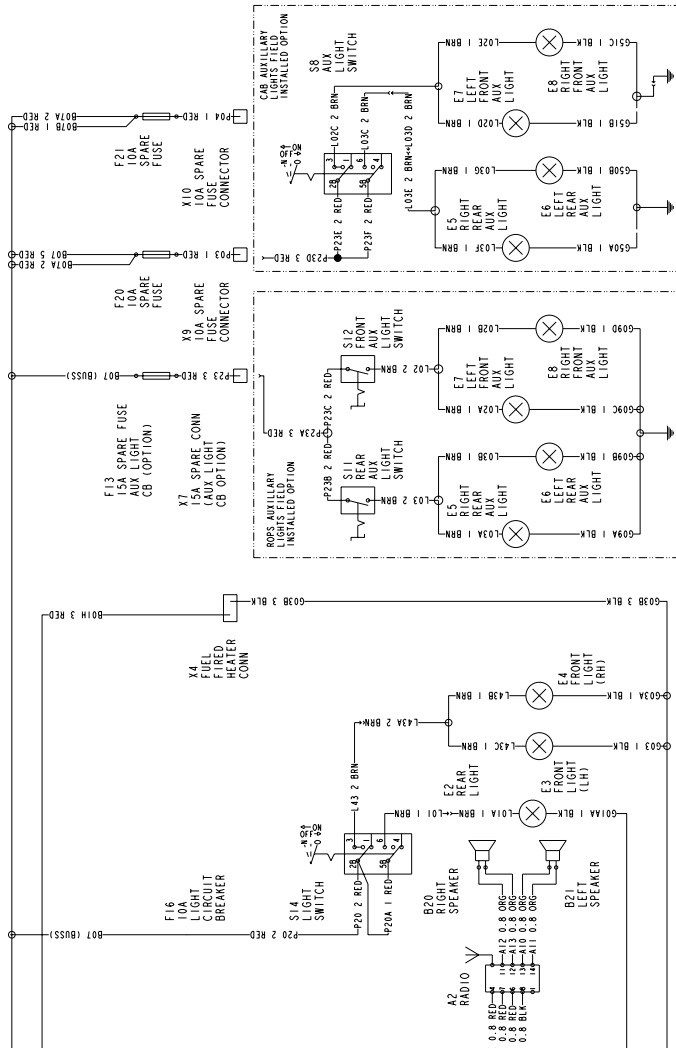
INDICATOR/GAUGE CIRCUITS



SE11 UNDER SEAT HEATER/SPARE FUSE/DOME LIGHT CIRCUITS

SE10 WIPER/WASHER CIRCUIT

SE9 A/C CIRCUIT



SE I2 RADIO/LIGHT CIRCUITS

SE I3 AUX LIGHTS (FIELD OPTION)

- F21** — 10A Engine Controller Fuse “Unswitched”
Located By ECU (SE6, W6)
- F22** — 10A Spare Fuse (SE12, W5)
- F23** — 10A Spare Fuse (SE12, W5)
- G1** — Batteries (SE1)
- G2** — Jump Start Terminal (SE1, W6)
- G3** — Alternator (SE1, W6)
- H1** — Not Used
- H2** — Not Used
- H3** — Not Used
- H4** — Transmission Oil Pressure Gauge Light (SE6, W5)
- H5** — Display Monitor Alarm (SE7, W5)
- H6** — Backup Alarm (SE5, W7)
- H7** — Winch Pressure Warning Light (SE7, W5)
- K1** — Start Relay (SE1, W6)
- K2** — Accessory Relay #1 (SE1, W5)
- K3** — Horn Relay (SE4, W5)
- K4** — Heater Blower Relay (SE5, W5)
- K5** — A/C Relay (SE9, W5)
- K6** — Accessory Relay #2 (SE10, W5)
- K7** — Transmission Controller/Monitor Relay (SE1, W5)
- M1** — Starter Motor (SE1, W6)
- M2** — Heater Blower Motor (SE8, W8)
- M3** — Front/Rear Washer Motor (SE10, W8)
- M4** — Condenser Fan Motor (SE9, W8)
- M5** — Condenser Fan Motor (SE9, W8)
- M6** — Left Door Wiper Motor (SE10, W5)
- M7** — Front Wiper Motor (SE10, W5)
- M8** — Rear Wiper Motor (SE10, W5)
- M9** — Right Door Wiper Motor (SE10, W5)
- M10** — Rops/Cab Heater blower Motor (SE11, W5)
- M11** — Left/Right Washer Motor (SE10, W5)
- M12** — Heater Valve Motor (SE8, W5)
- R1** — Start Circuit Resistor (SE1, W5)
- R2** — Cab Heater Blower Resistor (SE8, W5)
- R3** — Rops/Cab Heater Blower Resistor (SE11, W5)
- R4** — Can Termination Resistor (SE5, W5)
- R5** — Can Termination Resistor (SE5, W7)
- R6** — Motor Shift Resistor Module (SE5, W5)
- R7** — Heater Valve Resistor (SE8, W8)
- S1** — Key Switch (SE1, W5)
- S2** — Battery Disconnect Switch (SE1, W5)
- S3** — Neutral Start Switch (SE1, W7)
- S4** — Brake Pedal Switch (SE1, W5)
- S5** — Start Aid Switch (SE3, W5)
- S6** — Horn Switch (SE4, W7)
- S7** — Heater Blower Switch (SE8, W5)
- S8** — Aux. Light Switch (SE13)
- S9** — Left/Right Door Wiper Motor Switch (SE10, W5)
- S10** — Front/Rear Wiper Motor Switch (SE10, W5)
- S11** — Rear Aux. Light Switch (SE12)
- S12** — Front Aux. Light Switch (SE12)
- S13** — Rops Heater/Blower Switch (SE11, W5)
- S14** — Light Switch (SE12, W5)
- S15** — Dime Light Switch (SE11, W5)
- S16** — A/C On/Off Switch (SE9, W5)
- S17** — Park Lock Lever Switch (SE5, W5)
- U1** — 24V to 12V Radio Converter (SE12, W7)
- V1** — 5A Alternator Diode (SE1, W5)
- V2** — 1A Start Relay Diode (SE1, W5)
- V3** — 5A Start Circuit Diode (SE1, W5)
- V4** — 5A Starter Solenoid Diode (SE1, W5)
- V5** — Not Used
- V6** — 5A A/C Compressor Clutch Diode (SE9, W6)
- V7** — Rear Wiper Diode (SE10, W11)
- V8** — Door Wiper Diode (SE10)
- W1** — Frame Ground Strap-to-Rops (Left Rear) (SE1, W7)
- W2** — Rops Ground Strap-To-Frame Ground (SE1, W5)
- W3** — Starter Ground Strap-To-Frame Ground (SE1, W6)
- W4** — Transmission Controller Ground Strap-To-Rops (SE5)
- W5** — Cab Harness (W5)
- W6** — Engine Harness (W6)
- W7** — Transmission Harness (W7)
- W8** — A/C Harness (W8)
- W9** — Radio Harness (W9)
- W10** — Radio Antenna Harness (W10)
- W11** — Rear Wiper Harness (W11)
- X1** — Transmission Controller Connector (W7)
- X2** — Transmission Controller Connector (W7)
- X3** — Service Expert Connector (9 Pin) (W7)
- X4** — Engine Harness Connector-To-Fuel Fired Harness Connector (SE12, W6)
- X5** — Display Monitor Connector (10 Pin) (SE8, W5)
- X6** — Display Monitor Connector (10 Pin) (SE7, W5)
- X7** — 15A Spare Connector (Aux. Lights/CB) (SE12)
- X8** — 10A Spare Fuse Connector (SE11)
- X9** — 10A Spare Fuse Connector (SE12)

- X10** — 10A Spare Fuse Connector (SE12)
X11 — Cab Harness Connector-To-Transmission Harness Connector (W5, W7)
X12 — Cab Harness Connector-To-Engine Harness Connector (W5, W6)
X13 — Cab Harness Connector-To-Radio Harness Connector (W5)
X14 — Cab Harness Connector-To-Aux. Light Harness Connector (W5)
X15 — Cab Harness Connector-To-Aux. Light Harness Connector (W5)
X16 — Cab Harness Connector-To-Rear Wiper Harness Connector (W5)
X17 — Transmission Harness Connector-To-Fuel Sender Harness Connector (W7)
X18 — Cab Harness Connector-To-A/C Harness Connector (W5)
X19 — Splice B01 Red Wire (W5)
X20 — Splice B01 Red Wire (W6)
X21 — Splice E07 White Wire (W5)
X22 — Splice E09 White Wire (W7)
X23 — Splice G01 Black Wire (W7)
X24 — Splice G02 Black Wire (W5)
X25 — Splice G04 Black Wire (W5)
X26 — Splice G05 Black Wire (W6)
X27 — Engine Controller Connector (SE6, W6)
X28 — Splice G10 Black Wire (W5)
X29 — Splice G20 Black Wire (W5)
X30 — Splice G01 Black Wire (W5)
X31 — Splice L43 Brown Wire (W6)
X32 — Splice M01 Purple Wire (W5)
X33 — Splice M12 Yellow Wire (W7)
X34 — Splice M13 Green Wire (W7)
X35 — Splice M12 Yellow Wire (W5)
X36 — Splice M13 Green Wire (W5)
X37 — Splice P06 Red Wire (W5)
X38 — Splice P15 Red Wire (W5)
X39 — Splice P21 Red Wire (W5)
X40 — Splice P26 Red Wire (W5)
X41 — Splice P27 Red Wire (W5)
X42 — Splice T08 Blue Wire (W7)
X43 — Splice T52 Blue Wire (W7)
X44 — Transmission Harness Connector-to-Resistor Module Assembly (SE5, W7)
X45 — Winch Connector (SE7, W5)
X46 — Transmission Oil Temp. Connector (W5)
X47 — Splice R04 Black Wire (W5)
X48 — Spare Connector (W5)
X49 — Splice R04 Black Wire (W6)
X50 — Splice R02 Black Wire (W7)
X51 — Splice R04 Black Wire (W7)
X52 — Splice R02 Black Wire (W5)
X55 — Splice B01 Red Wire (W6)
X56 — Splice L43 Brown Wire (W6)
X57 — Splice G05 Black Wire (W6)
X58 — Splice R01 Black Wire (W6)
X59 — Splice G02 Black Wire (W6)
X60 — Splice P04 Red Wire (W6)
X61 — Splice R02 Black Wire (W6)
X62 — Splice M12 Black Wire (W6)
X63 — Splice M13 Purple Wire (W6)
X64 — Splice P06 Red Wire (W6)
X65 — Splice 2 M12 Yellow Wire (W7) (S.N. 920216—)
X66 — Splice 2 M13 Green Wire (W7) (S.N. 920216—)
W67 — Splice 2 R02 Black Wire (W7) (S.N. 920216—)
Y1 — Fuel Injection Pump (SE6, W6)
Y2 — Start Aid Solenoid (SE3, W6)
Y3 — Not Used
Y4 — Not Used
Y5 — A/C Compressor Clutch Solenoid (SE9, W6)

TX14826,0000035 -19-02FEB04-3/3

System Functional Schematic Section**Legend (S.N. 920839—)**

NOTE: SE1—Battery/Ignition, Power, Charging and Start Circuits (24Volt System)

- *SE1 indicates section number of system functional schematic where circuit is located.*
- *Battery/Ignition, Power, Charging and Start Circuits (24 Volt System) indicates circuit name.*

SE1 — Battery, Ignition, Power, Charging and Start Circuits (24 Volt System)

SE2 — Not Used

SE3 — Start Aid Circuit

SE4 — Horn Circuit

SE5 — Transmission Controller, Back-Up Alarm Circuits

SE6 — Engine Controller Circuit

SE7 — Display Monitor, Indicator, Gauge Circuits

SE8 — Heater/Blower Circuit

SE9 — Air Conditioning Circuit

SE10 — Wiper Washer Circuit

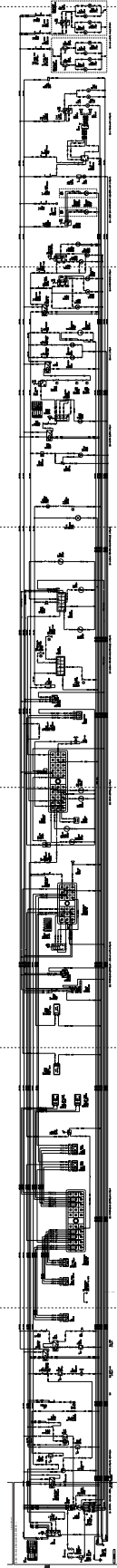
SE11 — Under Seat Heater, Spare Fuses, Dome Light Circuits

SE12 — Radio, Light Circuits

SE13 — Spare Fuses For Auxiliary Functions And Fuel Fired Heater

TX14826.0000034 -19-10SEP03-1/1

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See Page 9015-10-36 A

See Page 9015-10-36 B

See Page 9015-10-36 C

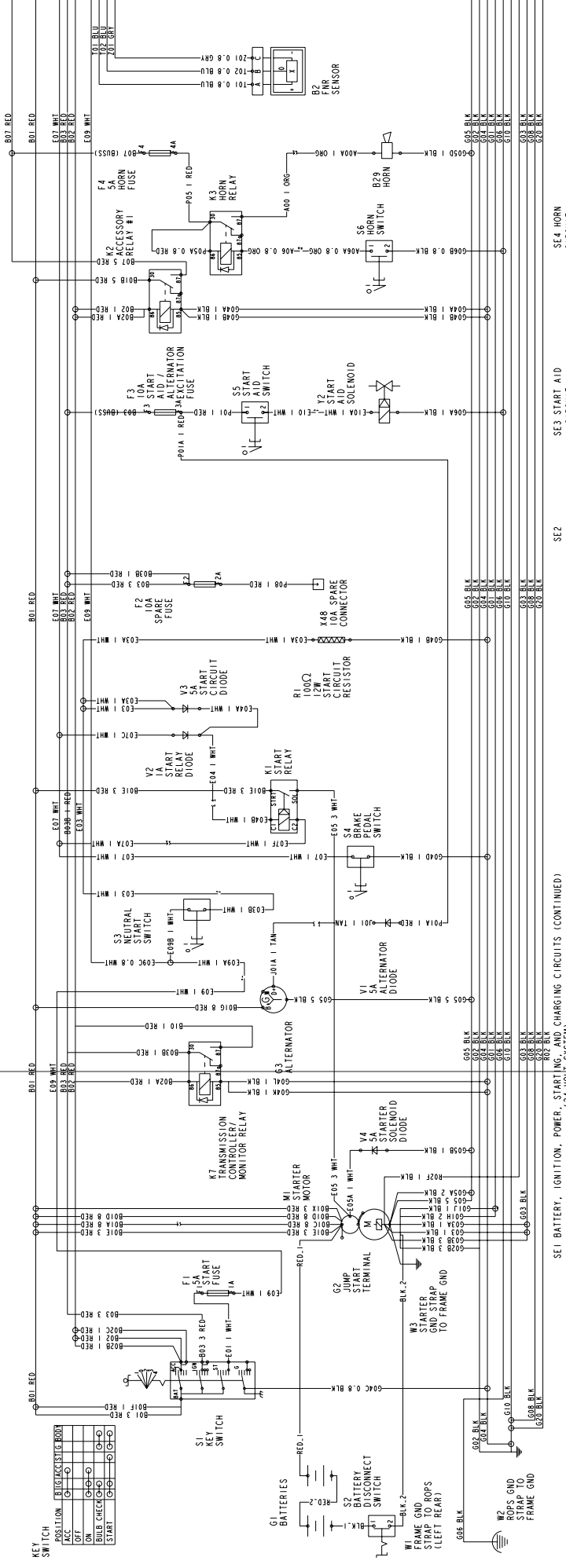
See Page 9015-10-36 D

See Page 9015-10-36 E

See Page 9015-10-36 F

See Page 9015-10-36 G

System Functional Schematic (S.N. 920839—)



SE1 BATTERY, IGNITION, POWER, STARTING, AND CHARGING CIRCUITS (CONTINUED)
(24 VOLT SYSTEM)

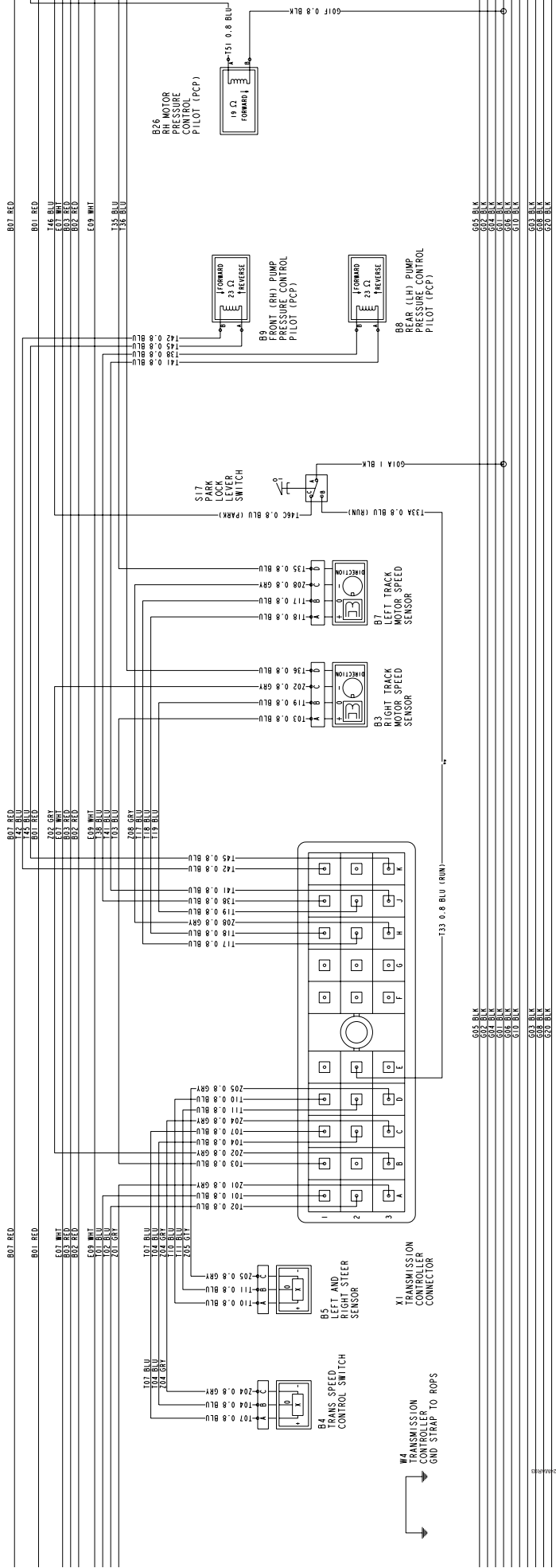
SE4 HORN
CIRCUIT

SE3 START AID
CIRCUIT

SE2

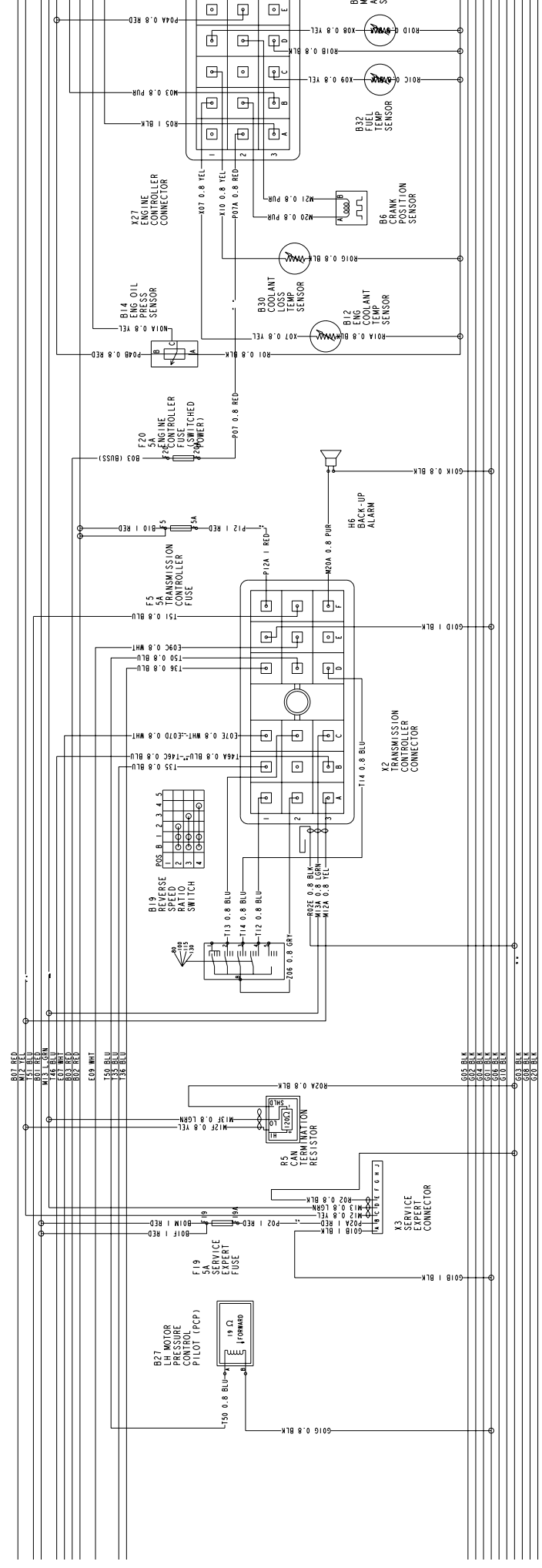
TM185E (30JUN04)
9015-10-36
7X14820-0000033 — (P) — 02SEP05-11
700H Crawler Dozer
P/N=174

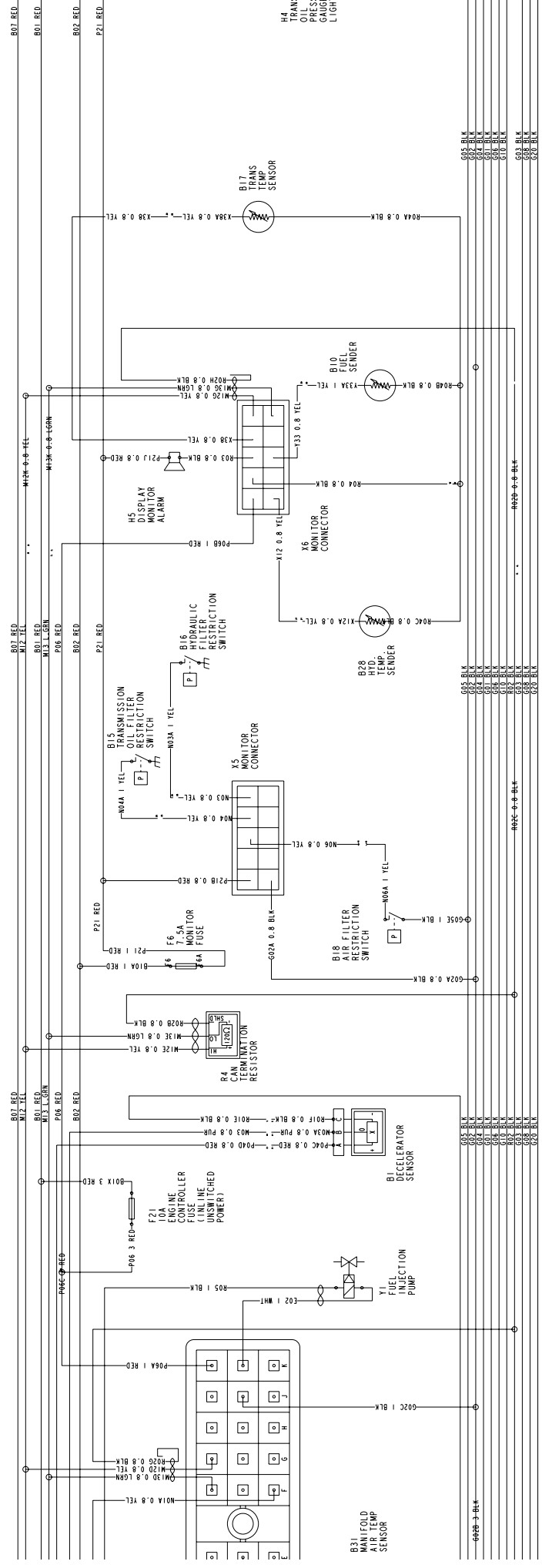
1165931



SEC5 TRANSMISSION CONTROLLER CIRCUIT

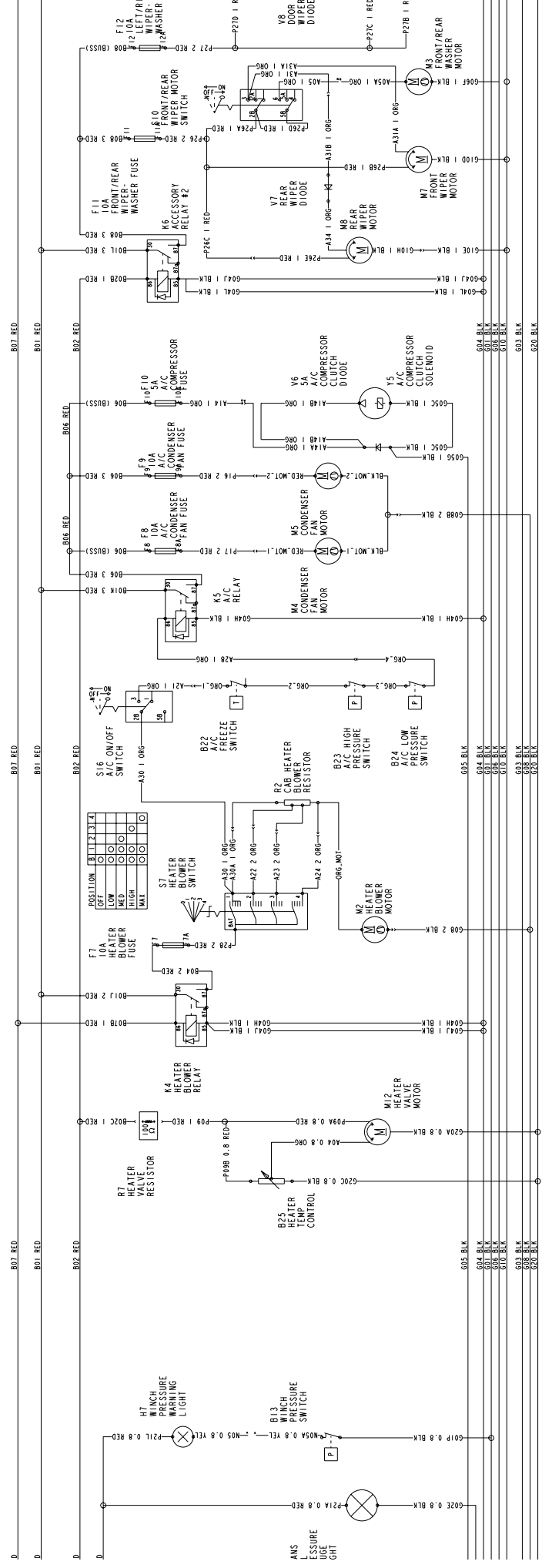
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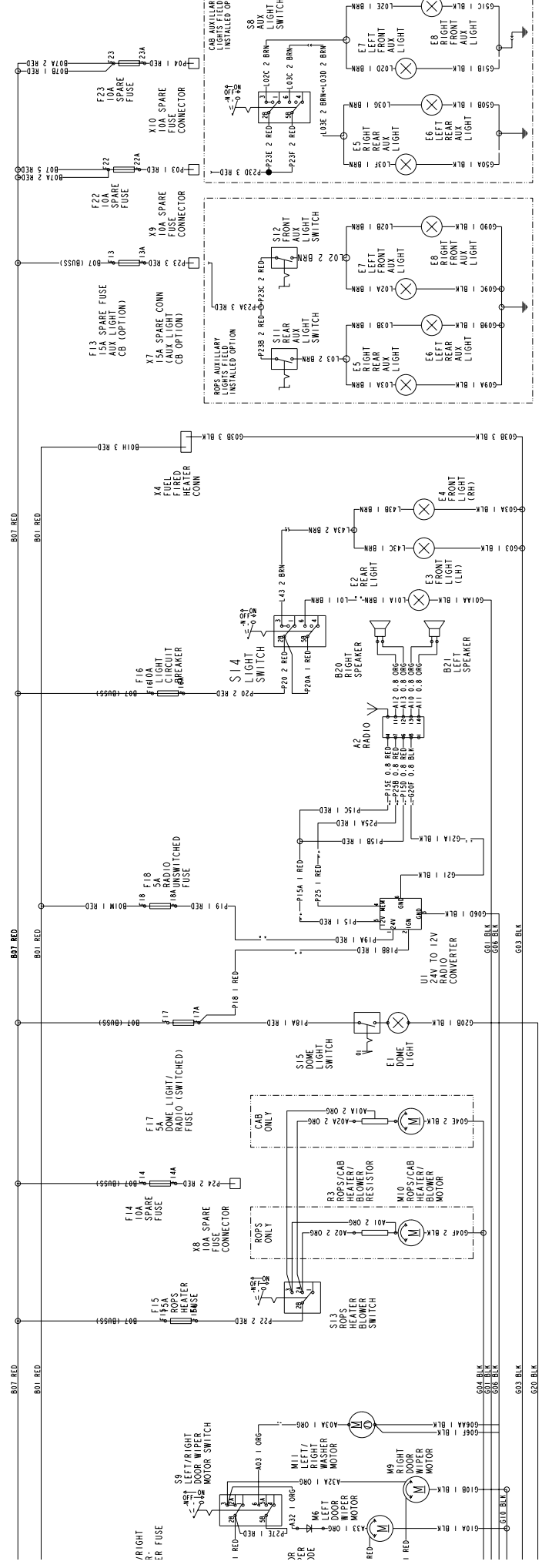




SET 7 DISPLAY MONITOR/INDICATOR/GAUGE CIRCUITS

R CIRCUIT





SE13 AUX LIGHTS (FIELD OPTION)

SE12 RADIO/LIGHT CIRCUITS

SE11 UNDER SEAT HEATER/SPARE FUSE/DOME LIGHT CIRCUITS

KEY
FIELD
OPTION

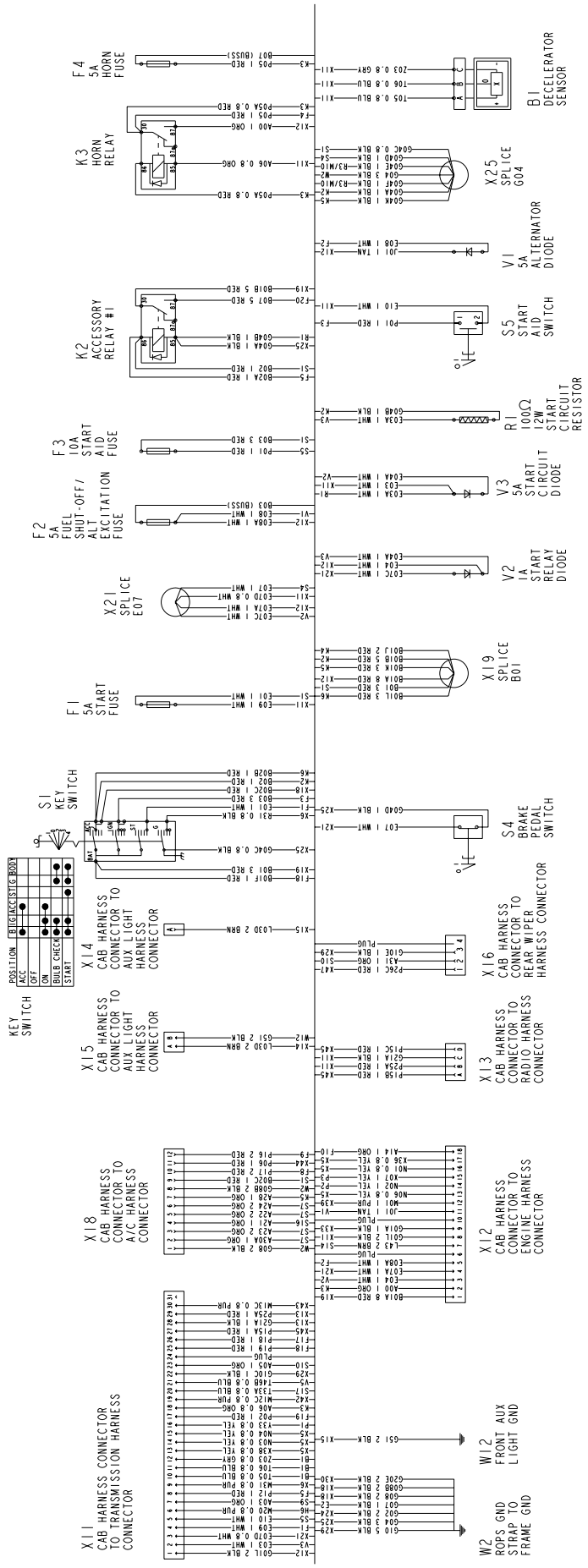
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Cab Harness (W6) Wiring Diagram

131192 -10-20A000



131192 W6 CAB HARNESS WIRING DIAGRAM (1 OF 4)

TM1855 (30JUN04) 9015-10-37

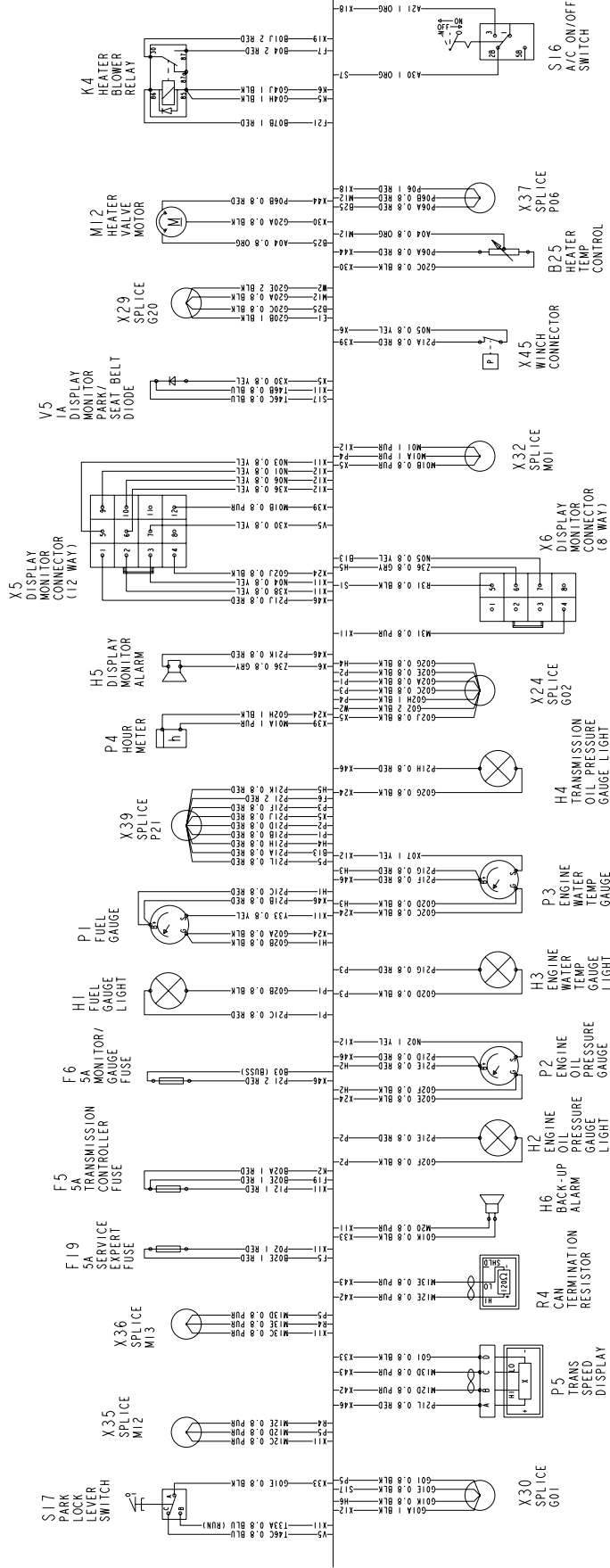
CERT. U.S. PAT. & T.M. OFFICE 700H Crawler Dozer P/N=175

Cab Harness (W5) Wiring Diagram (S.N. —910010)

Continued on next page

CED,TX14826,12210 -19-28MAR02-2/8

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38



REF A1220874 3.0

W5 CAB HARNESS WIRING DIAGRAM 12 OF 41

T131763 Cab Harness (W5) Wiring Diagram 2 of 4

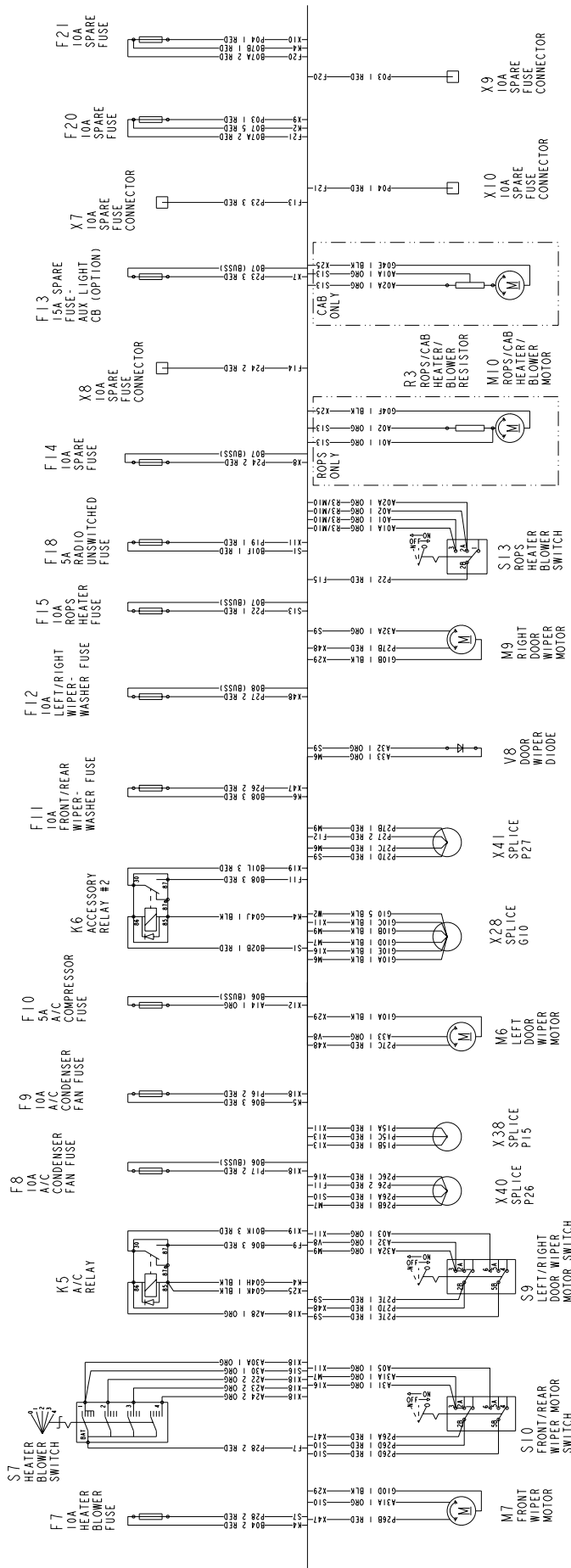
CESTX1655-12270 -1P-2M1000-038
700H Crawler Dozer
P/N=177

9015-10-39

TM1655 (30JUN04)

System Diagrams

T13764 - 76-364000



W5 CAB HARNESS WIRING DIAGRAM (3 OF 4)

REF: ATZ20874 3.0

Cable Harness (W5) Wiring Diagram 3 of 4

700H Crawler Dozer

Continued on next page

TMI1858 (30JUN04)

9015-10-40

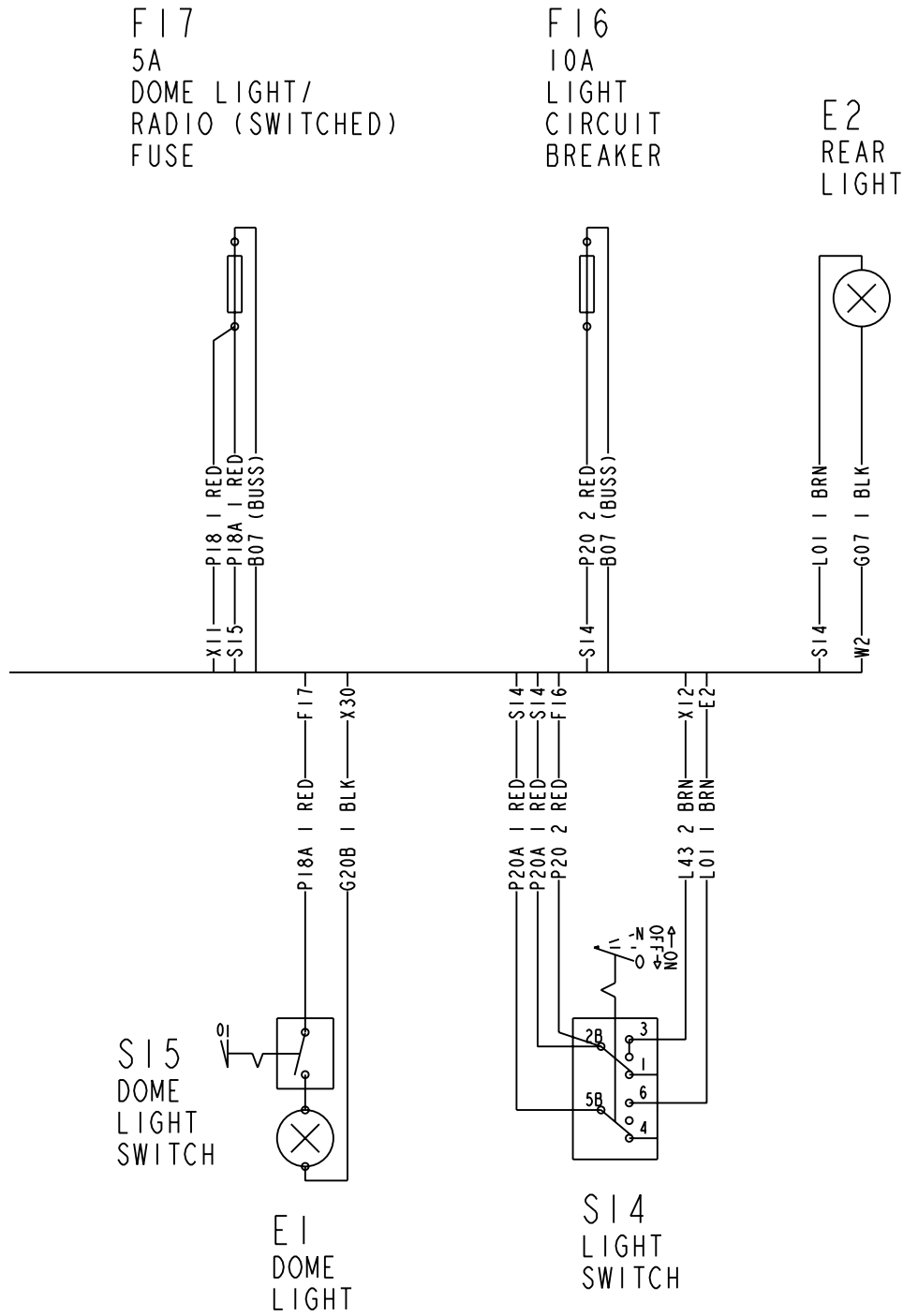
15-280A550-435

700H Crawler Dozer

Wiring Diagram

Page 178

T13764



9015
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41

T131765

W5 CAB HARNESS WIRING DIAGRAM (4 OF 4)

REF AT220874 3.0

Cab Harness (W5) Wiring Diagram 4 of 4

Continued on next page

CED.TX14826.12210 -19-28MAR02-5/8

Trace wires through the following mating connectors and machine harnesses.

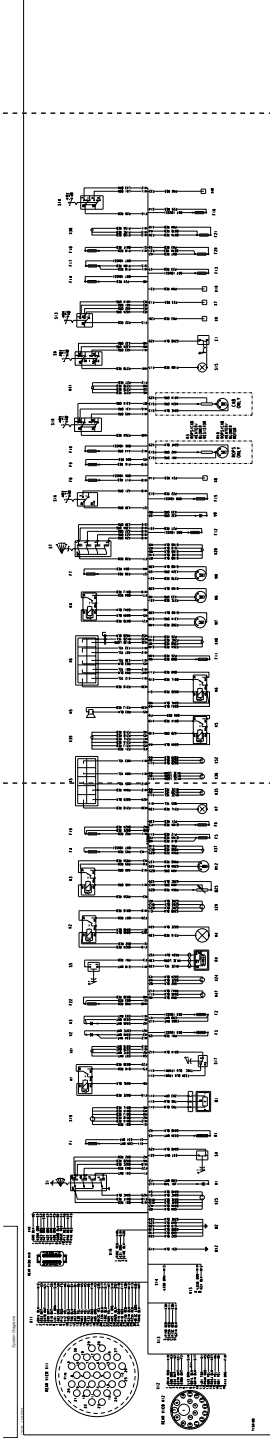
- X11—See Transmission Harness (W7) Wiring Diagram

- X13—See Radio Harness (W9) Wiring Diagram
- X16—See Rear Wiper Harness (W11) Wiring Diagram
- X12—See Engine Harness (W6) Wiring Diagram

Continued on next page

CED,TX14826,12210 -19-28MAR02-6/8

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See Page 9015-10-43 A

See Page 9015-10-43 B

See Page 9015-10-43 C

Cab Harness (W5) Wiring Diagram (S.N. 910011—)

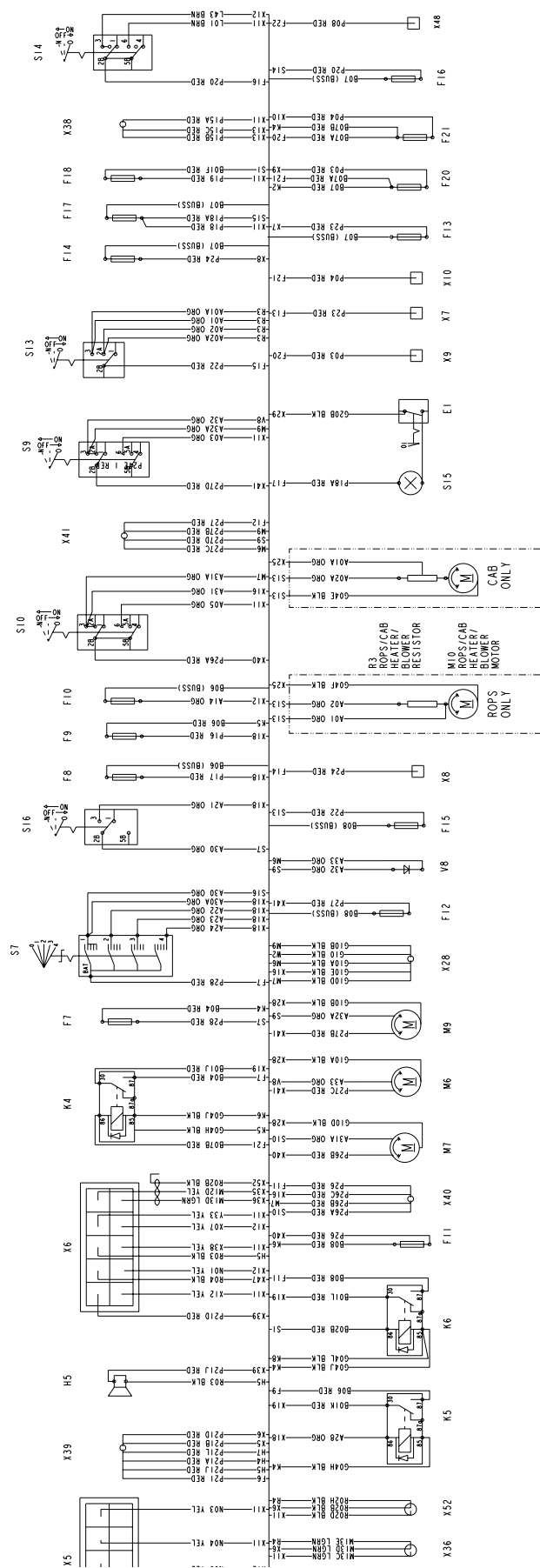
Trace wires through the following mating connectors and machine harnesses.

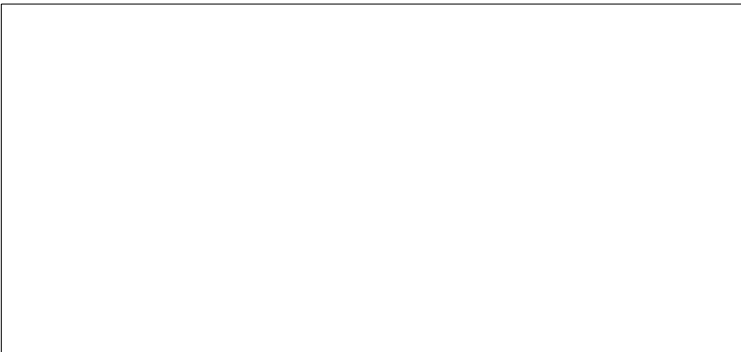
- X11—See Transmission Harness (W7) Wiring Diagram

- X13—See Radio Harness (W9) Wiring Diagram
- X16—See Rear Wiper Harness (W11) Wiring Diagram
- X12—See Engine Harness (W6) Wiring Diagram

CED,TX14826,12210 -19-28MAR02-8/8

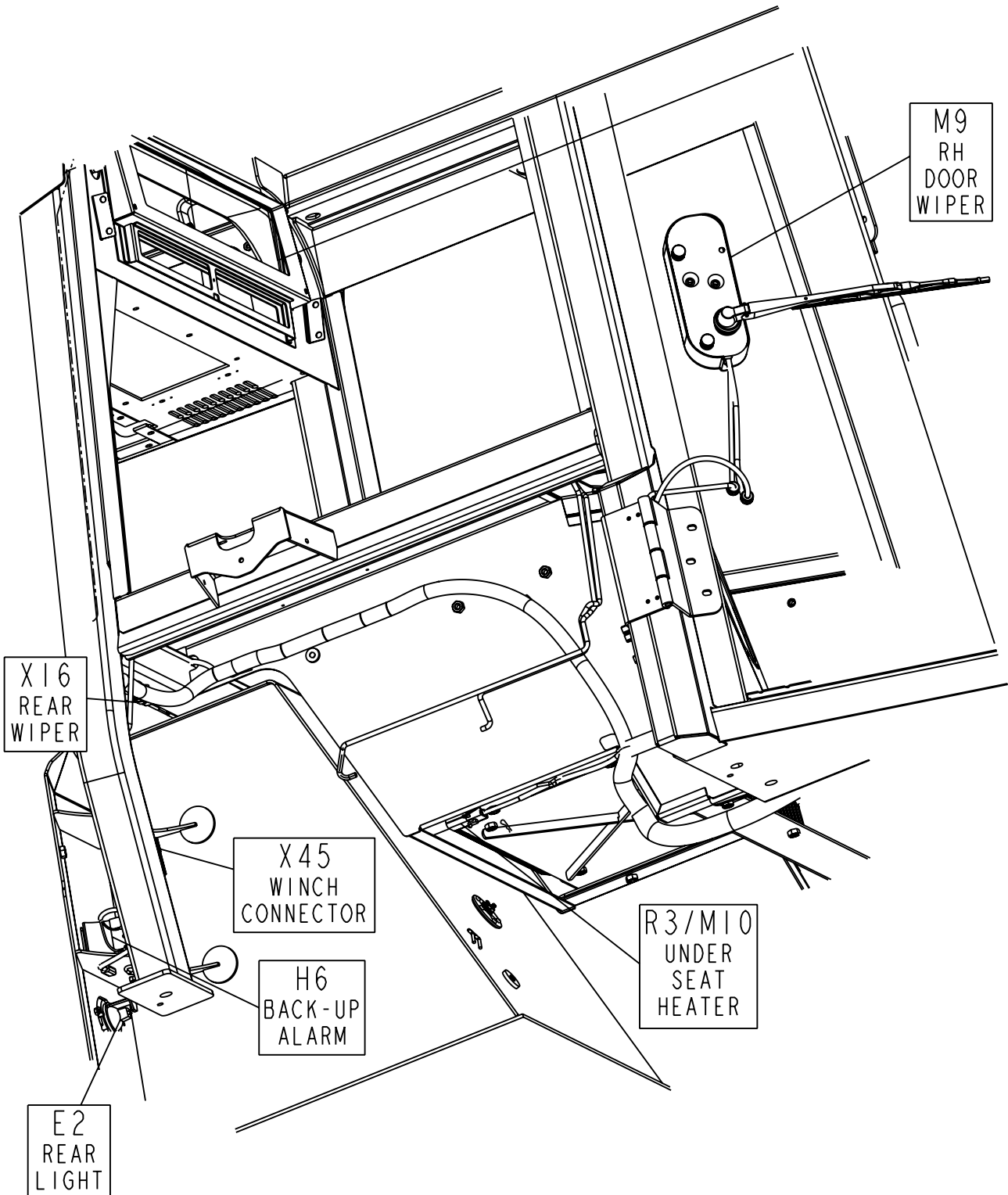
9015
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Cab Harness (W5) Component Location 1 Of 7



9015
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T132414

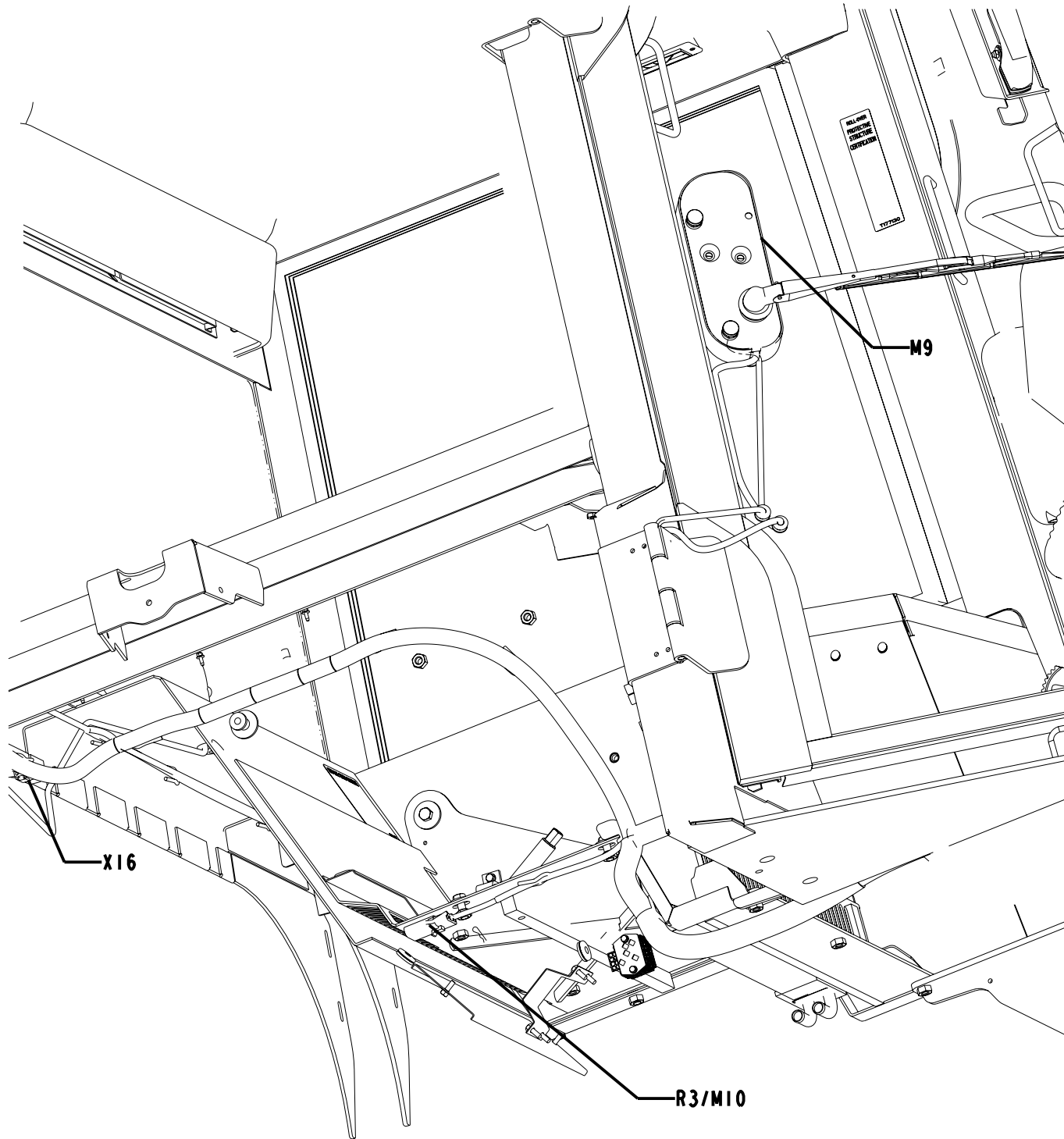
CAB HARNESS (W5)
COMPONENT LOCATION (1 OF 7)
Cab Harness (W5) Component Location 1 of 7 (S.N. —910010)

REV 3.0

T132414 -19-29AUG00

Continued on next page

CED, TX14826, 12211 -19-28MAR02-1/11



**CAB HARNESS (W5)
COMPONENT LOCATION (1 OF 7)**

T150195

Cab Harness (W5) Component Location 1 of 7 (S.N. 910011—)

T150195 -19-01MAY02

Continued on next page

CED.TX14826.12211 -19-28MAR02-2/11

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46

System Diagrams

M9—RH Door Wiper

**X16—Rear Wiper Harness
Connector**

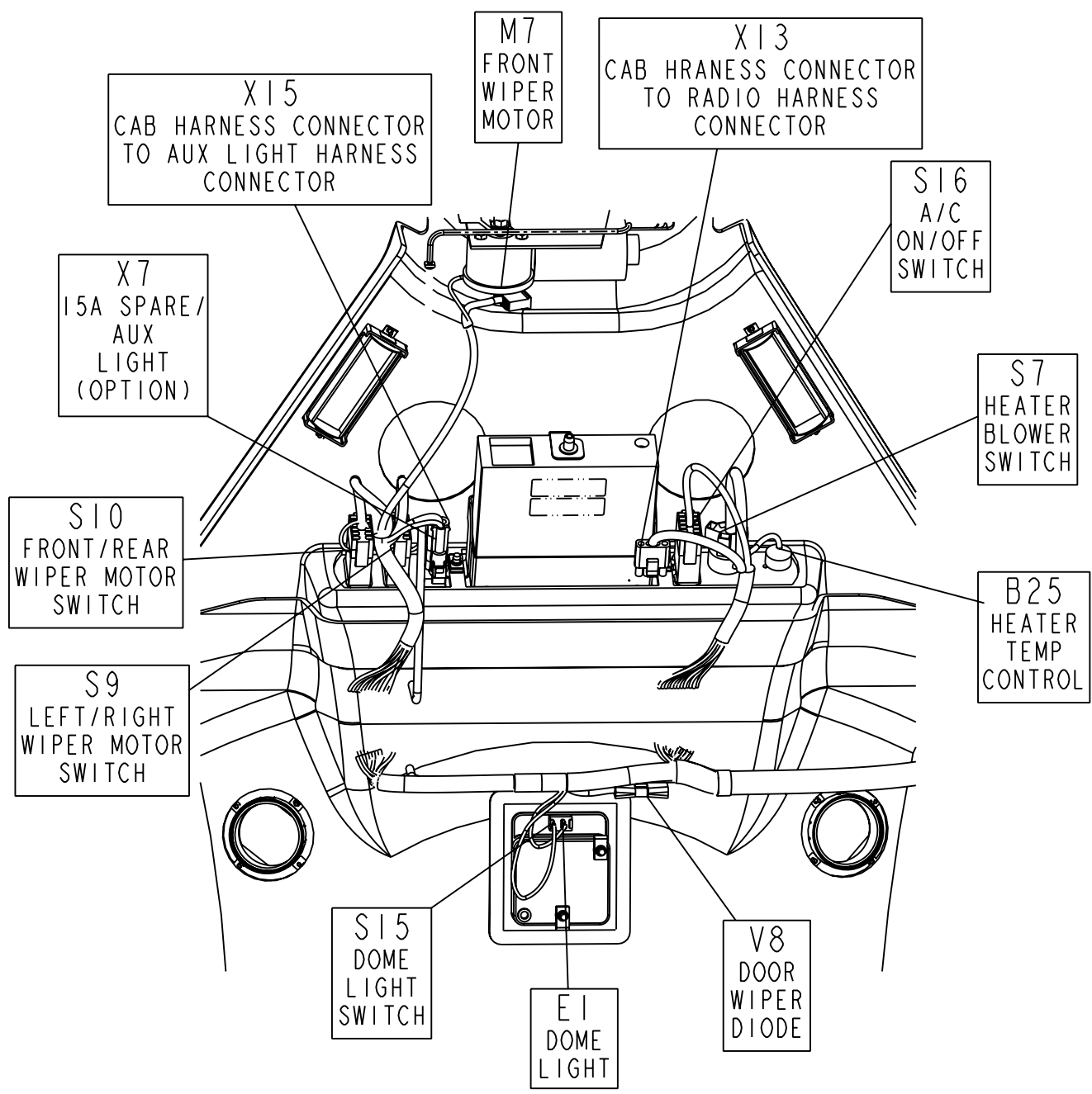
**R3/M10—Heater Blower
Resister/Blower
Motor**

Continued on next page

CED, TX14826, 12211 -19-28MAR02-3/11

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T132416

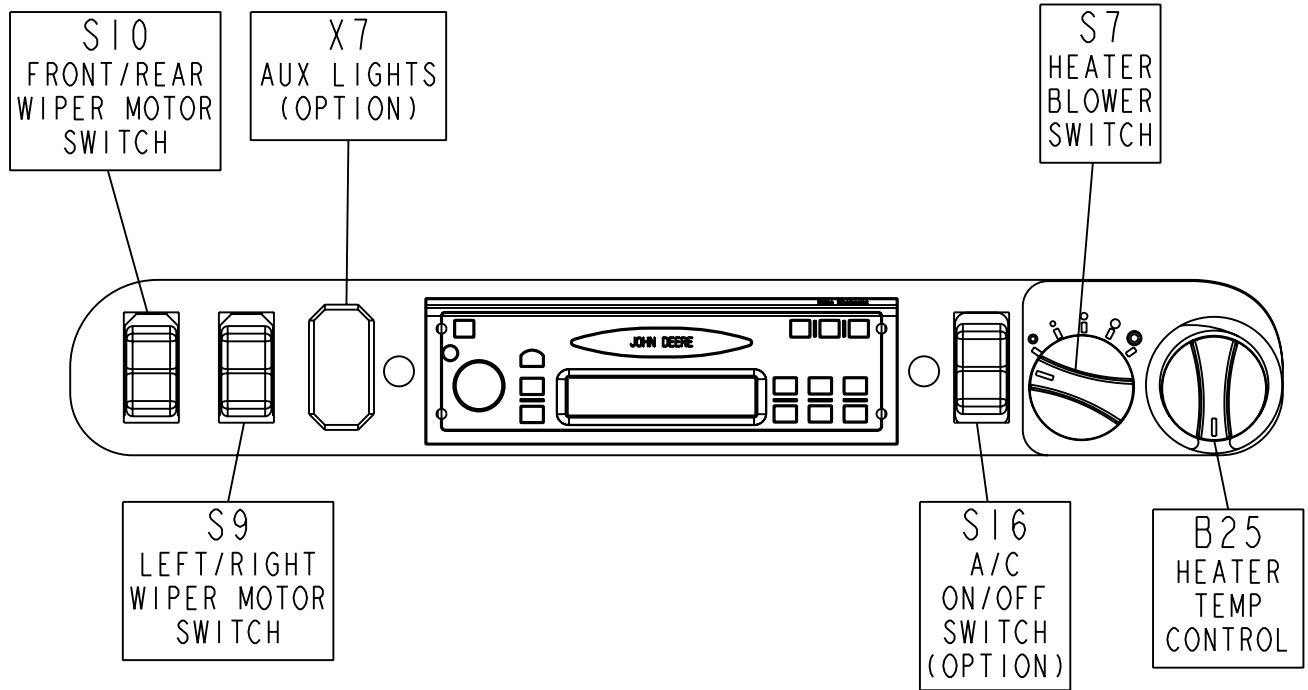
CAB HARNESS (W5)
 COMPONENT LOCATION (2 OF 7)
Cab Harness (W5) Component Location 2 of 7

REV 3.0

T132416 -19-29AUG00

Continued on next page

CED.TX14826.12211 -19-28MAR02-4/11



T132417

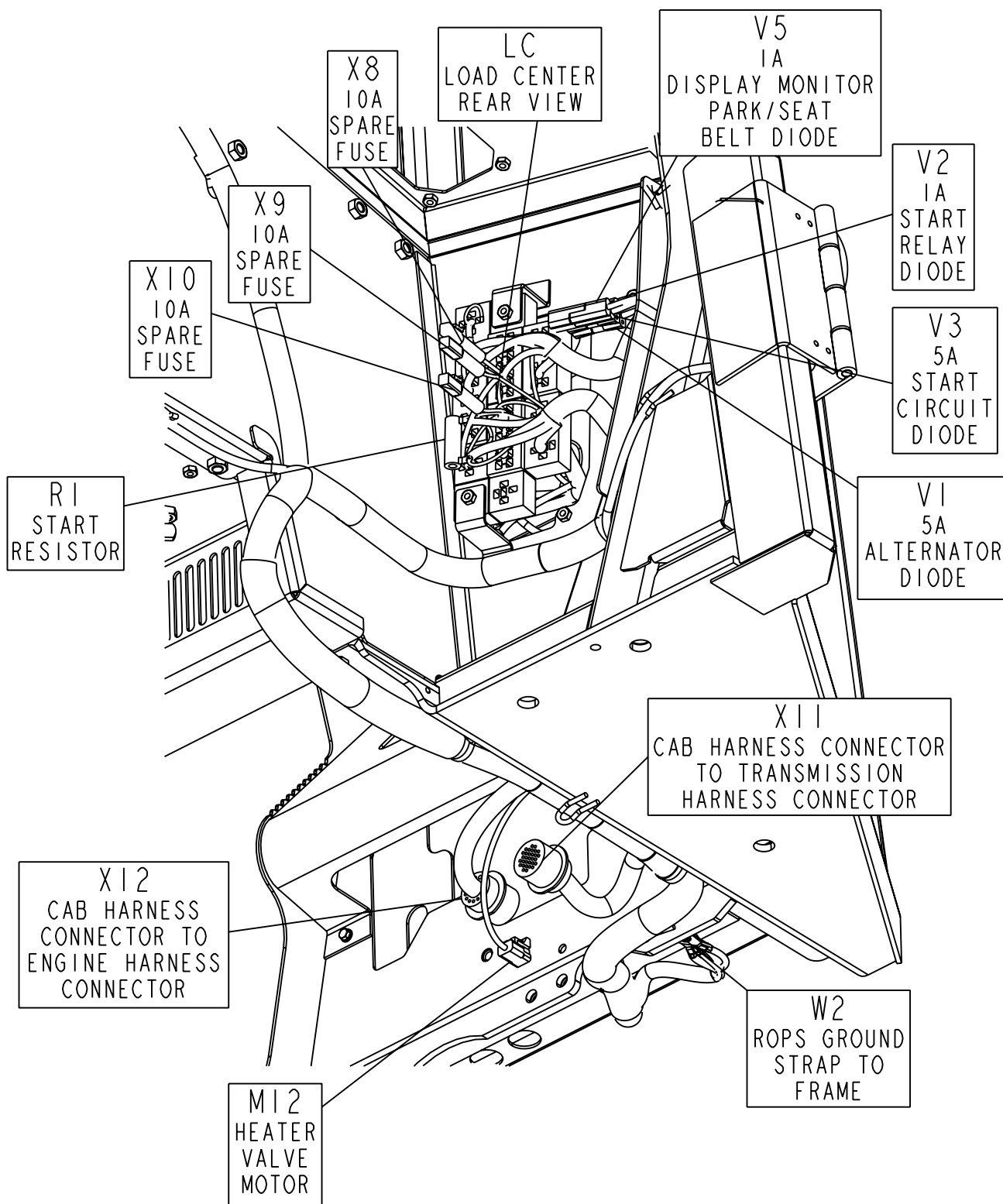
CAB HARNESS (W5)
 COMPONENT LOCATION (3 OF 7)
Cab Harness (W5) Component Location 3 of 7

REV 3.0

T132417 -19-29AUG00

Continued on next page

CED, TX14826, 12211 -19-28MAR02-5/11



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T132418

CAB HARNESS (W5)
COMPONENT LOCATION (4 OF 7)

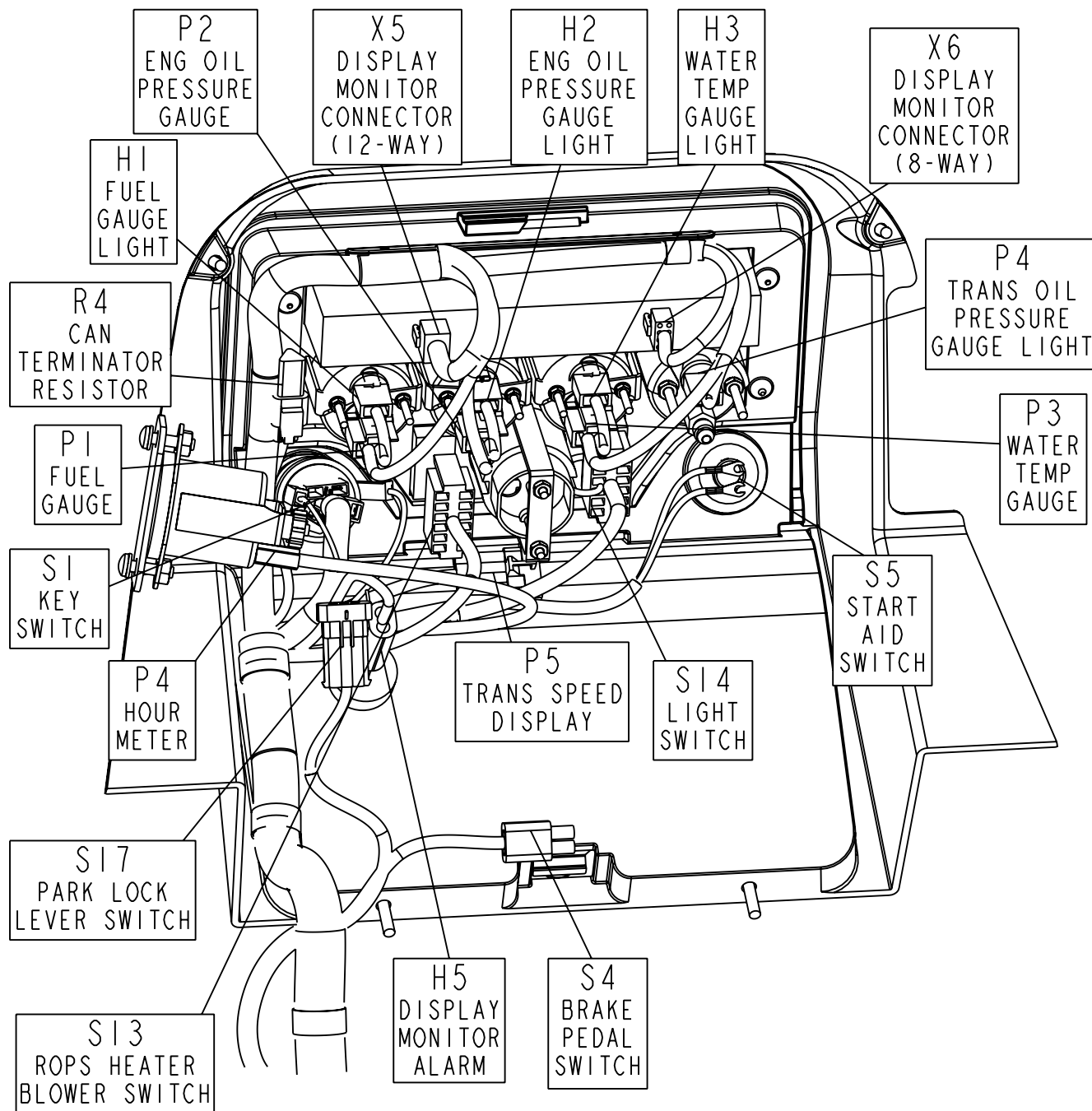
Cab Harness (W5) Component Location 4 of 7

REV 3.0

T132418 -19-29AUG00

Continued on next page

CED.TX14826.12211 -19-28MAR02-6/11



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T132419

CAB HARNESS (W5)
COMPONENT LOCATION (5 OF 7)

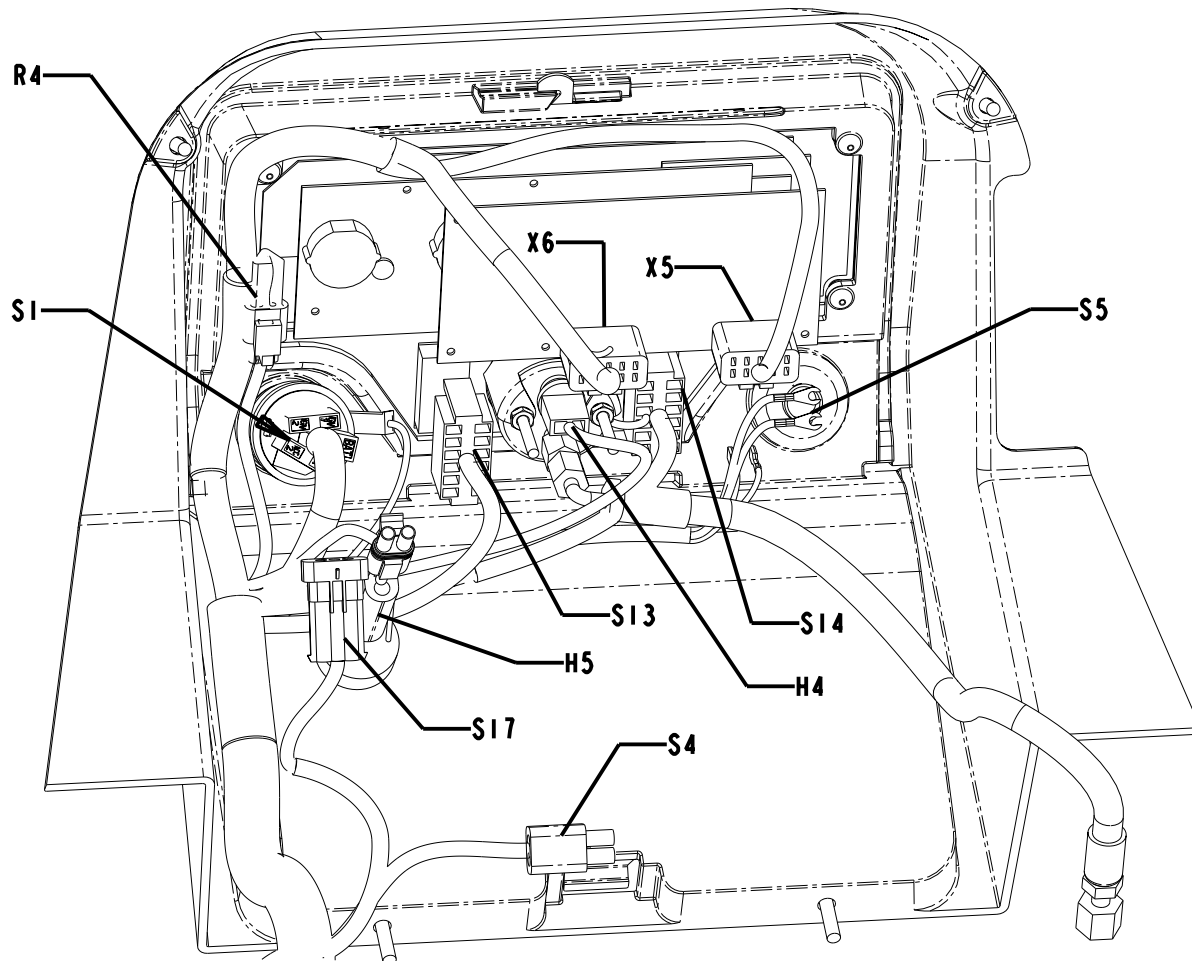
Cab Harness (W5) Component Location 5 of 7 (S.N. —910010)

REV 3.0

T132419 -19-29AUG00

Continued on next page

CED,TX14826,12211 -19-28MAR02-7/11



**CAB HARNESS (W5)
COMPONENT LOCATION (5 OF 7)**

T150196

Cab Harness (W5) Component Location 5 of 7 (S.N.910011—)

T150196 -19-21MAR02

Continued on next page

CED.TX14826.12211 -19-28MAR02-8/11

9015
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System Diagrams

S1—Key Switch
R4—Can Termination Resister
X6—Display Monitor
Connector

X5—Display Monitor
Connector
S5—Start Aid Switch
S14—Light Switch

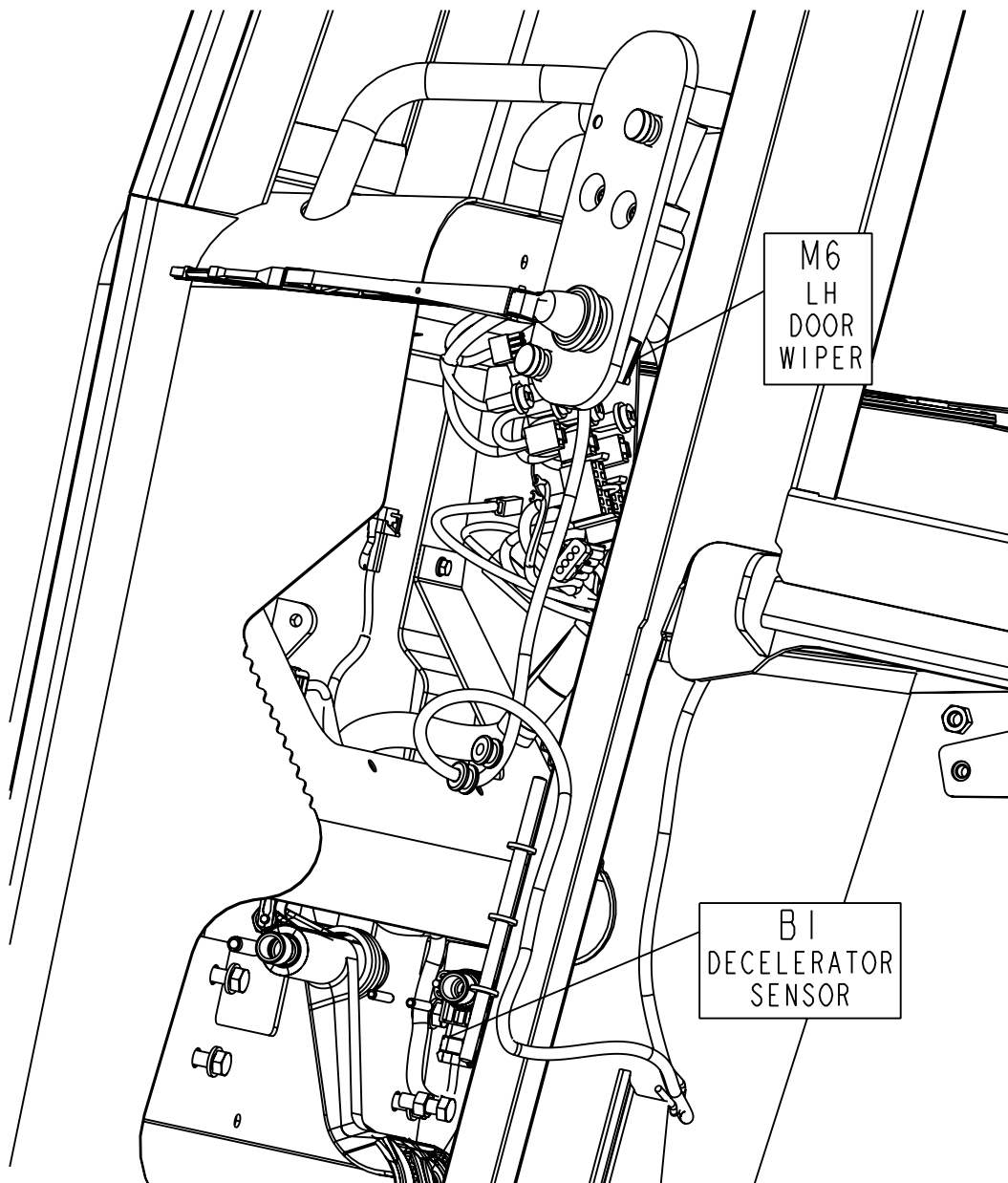
H4—Transmission Oil
Pressure Gauge Lights
S13—Rops Heater Blower
Switch

H5—Display Monitor Alarm
S17—Park Lock Lever Switch

Continued on next page

CED,TX14826,12211 -19-28MAR02-9/11

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9015
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T132421

CAB HARNESS (W5)
 COMPONENT LOCATION (6 OF 7)

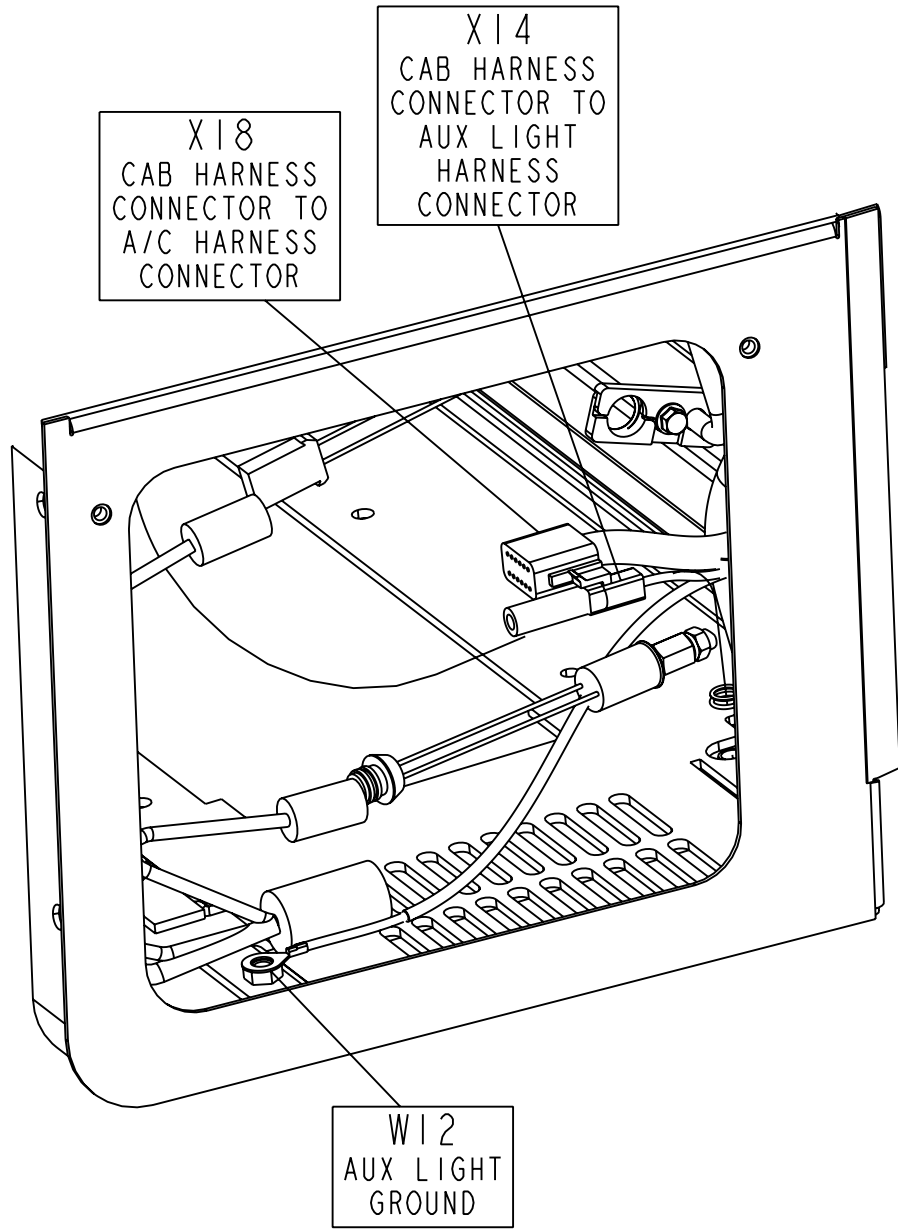
Cab Harness (W5) Component Location 6 of 7

REV 3.0

T132421 -19-29AUG00

Continued on next page

CED, TX14826, 12211 -19-28MAR02-10/11



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T132422

CAB HARNESS (W5)
COMPONENT LOCATION (7 OF 7)
Cab Harness (W5) Component Location 7 of 7

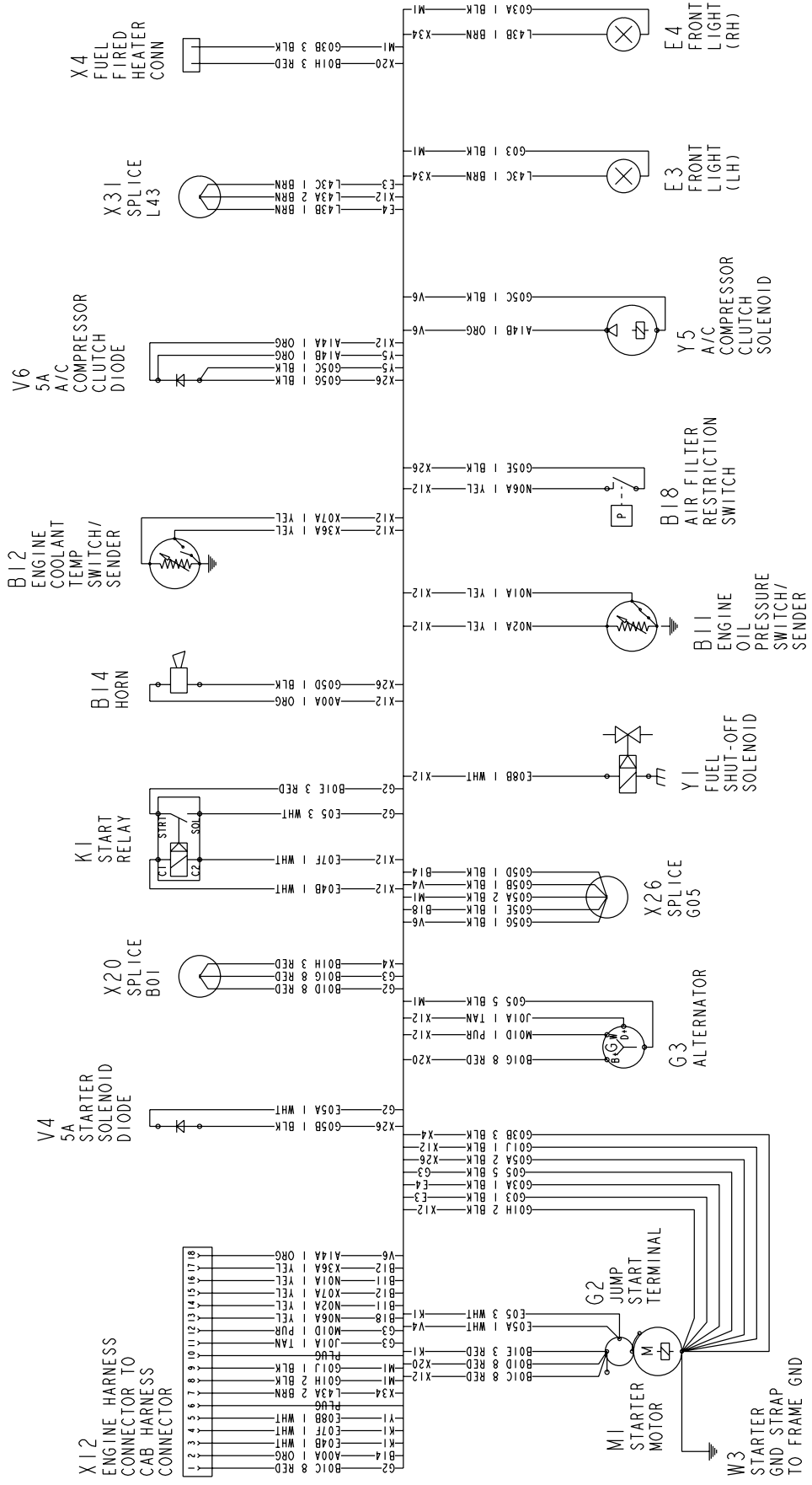
REV 3.0

T132422 -19-29AUG00

CED,TX14826,12211 -19-28MAR02-11/11

Engine Harness (W6) Wiring Diagram (S.N. —920838)

T132102 -19-11JUL00



REF AT220874 3.0

W6 ENGINE HARNESS WIRING DIAGRAM

T132102

Trace wires through the following mating connector and machine harness.

- X12—See Cab Harness (W5) Wiring Diagram

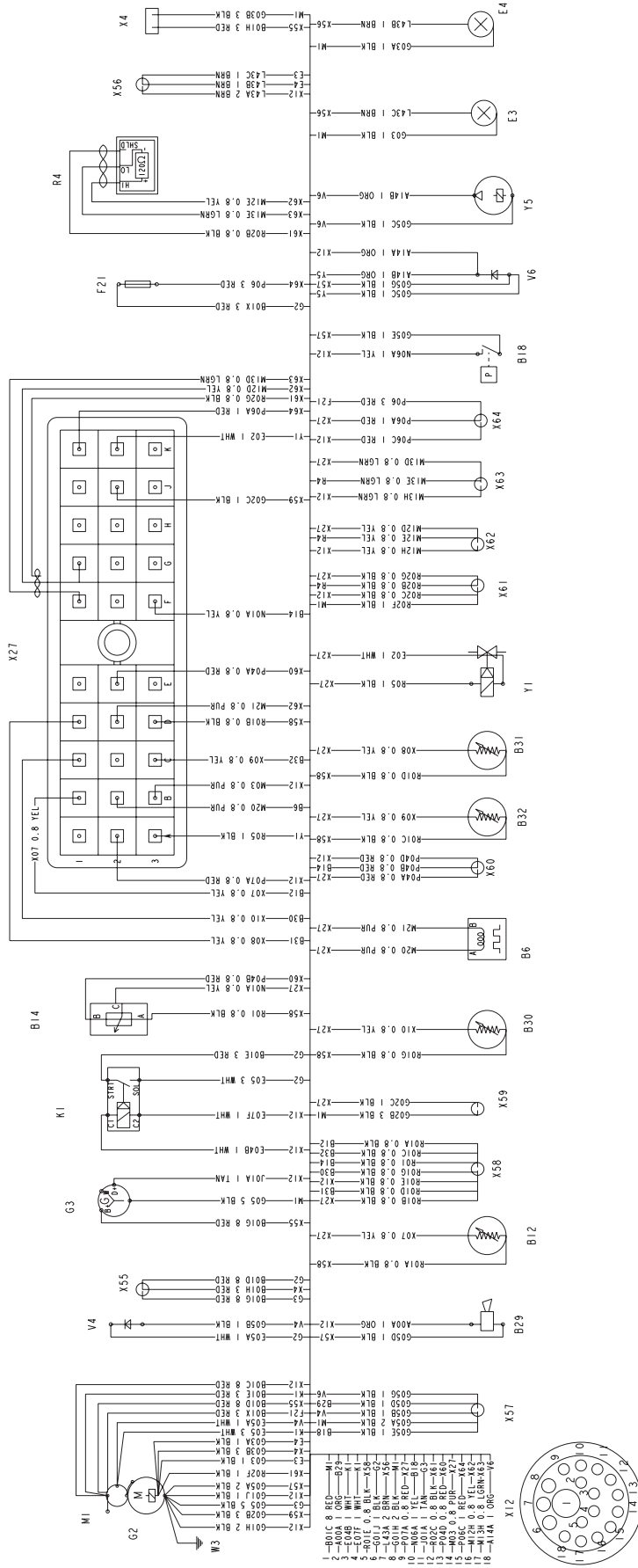
CED,TX14826,12213 -19-10SEP03-2/2

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57

System Diagrams

Engine Harness (W6) Wiring Diagram (S.N. 920839—)

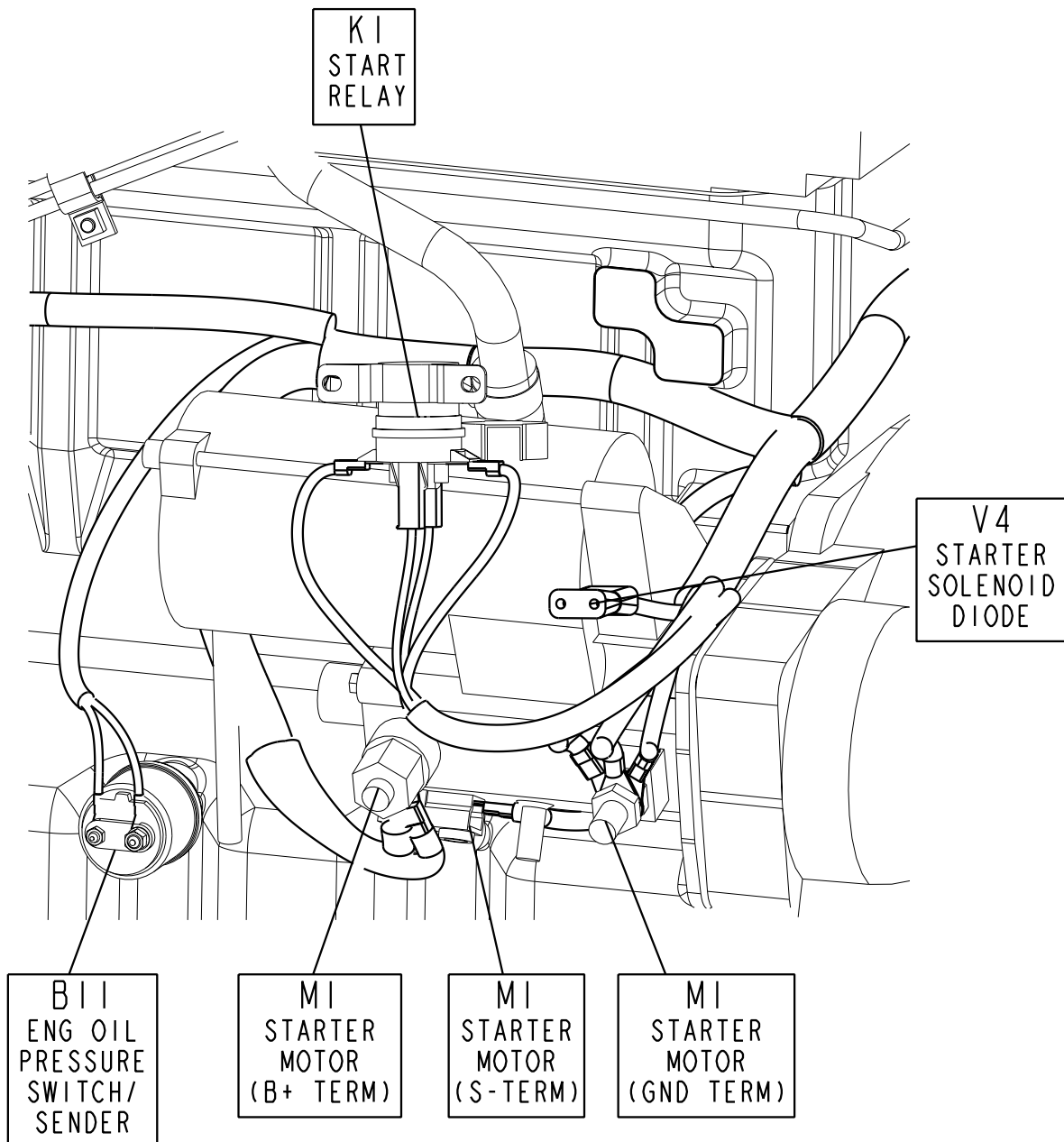
TUBING - UNDIMENSIONED



TU14825.000007 -19-105870-12
 700H Crawler Dozer
 9015-10-58
 PNC1196
 TM1858 (30JUN04)

W3—Starter Ground strap To Frame Ground	R4—Can Termination Resister	X63—Splice M13 Purple Wire (W6)	B30—Coolant Loss Temperature Sensor
G2—Jump Start Terminal	X56—Splice L43 Brown Wire (W6)	X62—Splice M12 Black Wire (W6)	X59—Splice G02 Black Wire (W6)
M1—Starter Motor	X4—Engine Harness Connector to Fuel Fired Harness Connector	X61—Splice R02 Black Wire (W6)	X58—Splice R01 Black Wire (W6)
V4—Starter Solenoid Diode	E4—Right Hand Front Light	Y1—Fuel Injection Pump	B12—Engine Coolant Temperature Sensor
X55—Splice B01 Red Wire (W6)	E3—Left Hand Front Light	B31—Manifold Air Temperature Sensor	B29—Horn
G3—Alternator	Y5—A/C Compressor Clutch Solenoid	B32—Fuel Temperature Sensor	X57—Splice G05 Black Wire (W6)
K1—Start Relay	V 6—5A A/C Compressor Clutch Diode	X60—Splice P04 Red Wire (W6)	X12—Cab Harness Connector To Engine harness Connector
B14—Engine Oil Pressure Sensor	B18—Air Filter Restriction Switch	B6—Crank Position Sensor	
X27—Engine Controller Connector	X64—Splice P06 Red Wire (W6)		
F21—10A Engine Controller Fuse “Unswitched” Located By ECU			

Engine Harness (W6) Component Location (S.N. 910011—920838)



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T132379

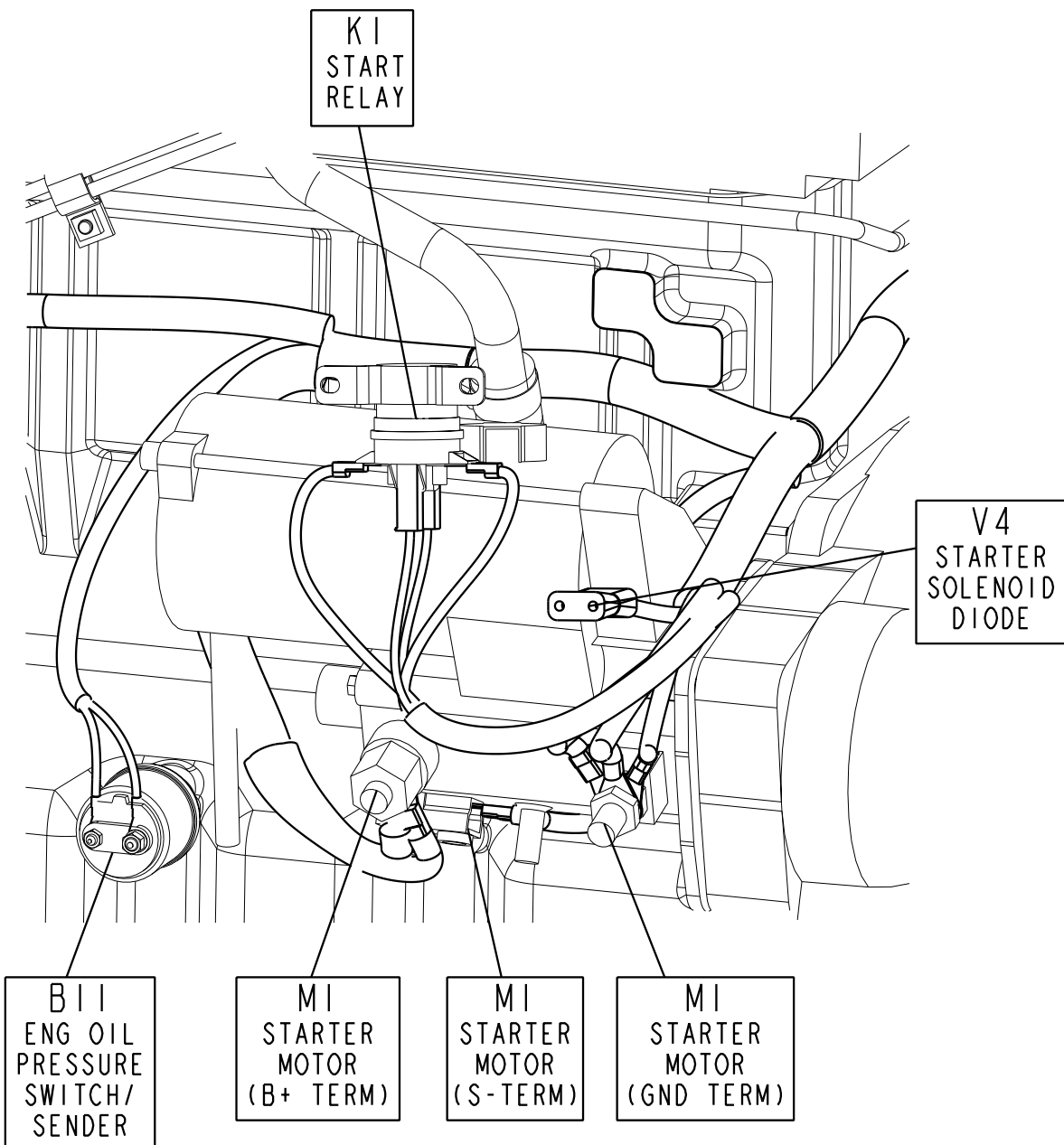
ENGINE HARNESS (W6)
COMPONENT LOCATION (1 OF 4)
Engine Component Location 1 of 4 (S.N. —910010)

REV 3.0

T132379 -19-17AUG00

Continued on next page

CED,TX14826,12214 -19-10SEP03-1/6



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T132379

ENGINE HARNESS (W6)
 COMPONENT LOCATION (1 OF 4)
Engine Component Location 1 of 4 (S.N.910011—)

REV 3.0

T132379 -19-17AUG00

Continued on next page

CED,TX14826,12214 -19-10SEP03-2/6

System Diagrams

K1—Start Relay
V4—Starter Solenoid Diode
M1—Starter Motor (Ground Terminal)

M1—Starter Motor (S-Terminal)

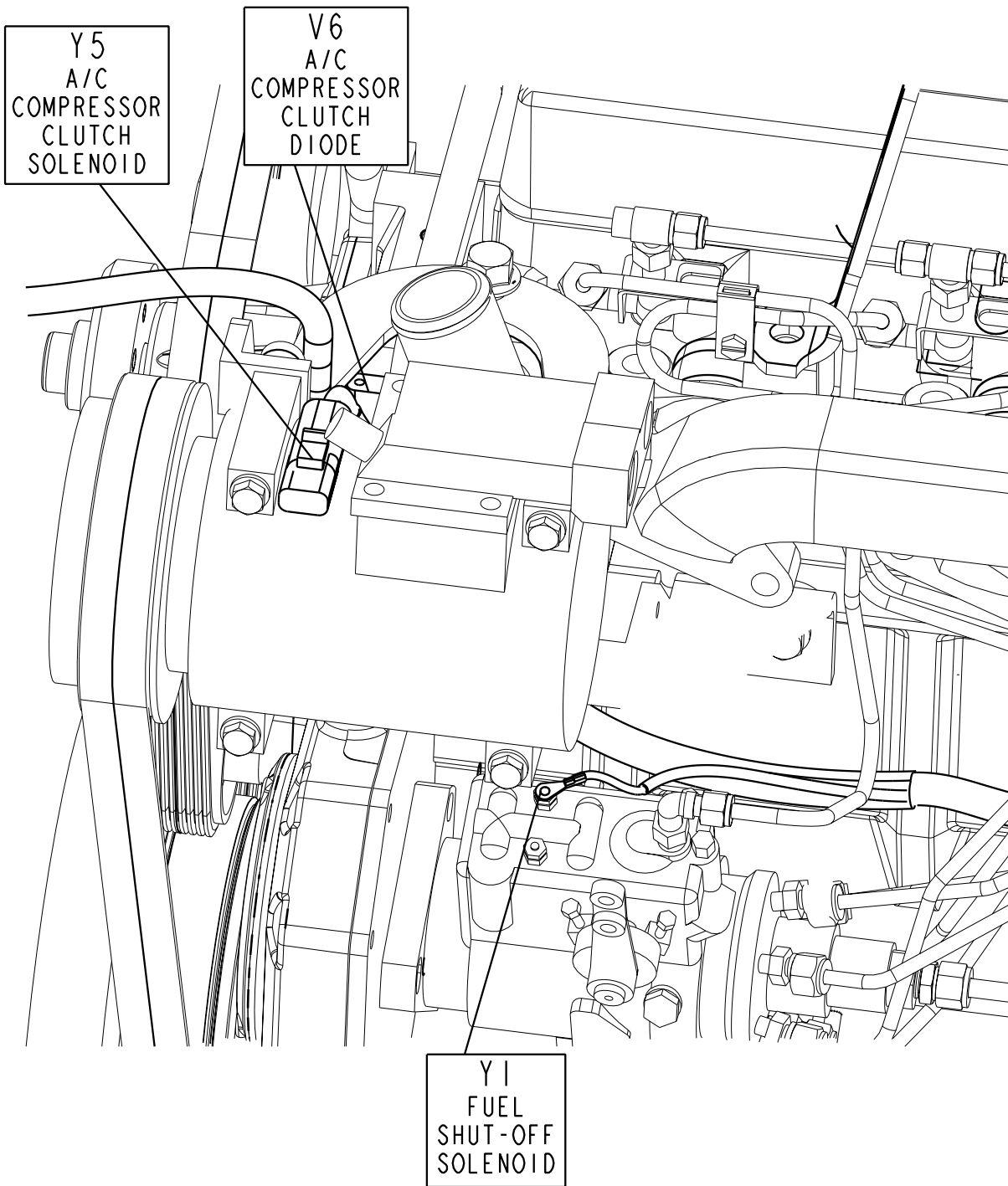
M1—Starter Motor (B+ Terminal)

B14—Engine Oil Pressure Switch

Continued on next page

CED,TX14826,12214 -19-10SEP03-3/6

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T132380

ENGINE HARNESS (W6)
COMPONENT LOCATION (2 OF 4)

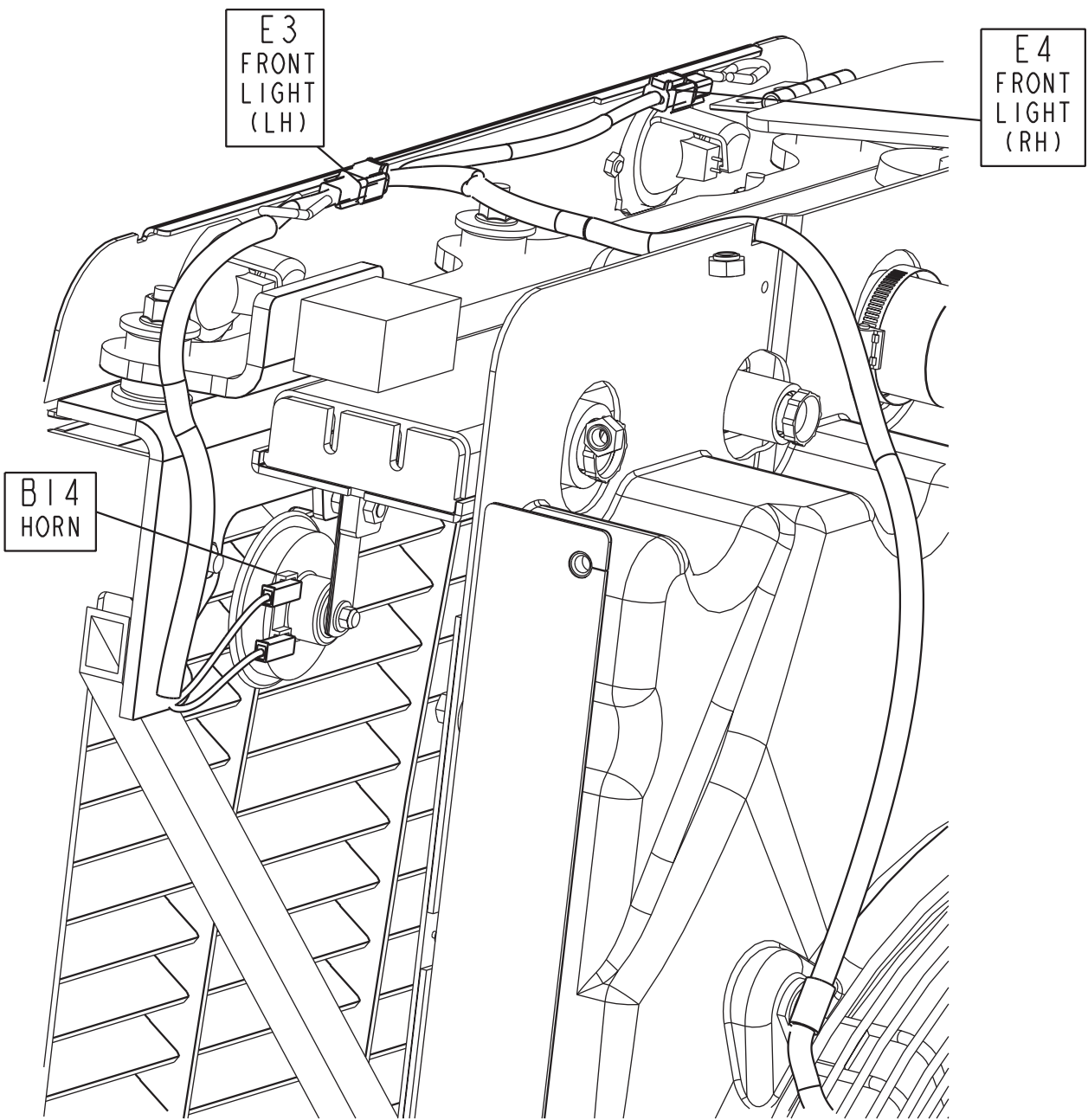
Engine Component Location 2 of 4

REV 3.0

T132380 -19-17AUG00

Continued on next page

CED,TX14826,12214 -19-10SEP03-4/6



T132382

ENGINE HARNESS (W6)
COMPONENT LOCATION (3 OF 4)
Engine Component Location 3 of 4

REV 3.0

T132382 -19-17AUG00

Continued on next page

CED,TX14826,12214 -19-10SEP03-5/6

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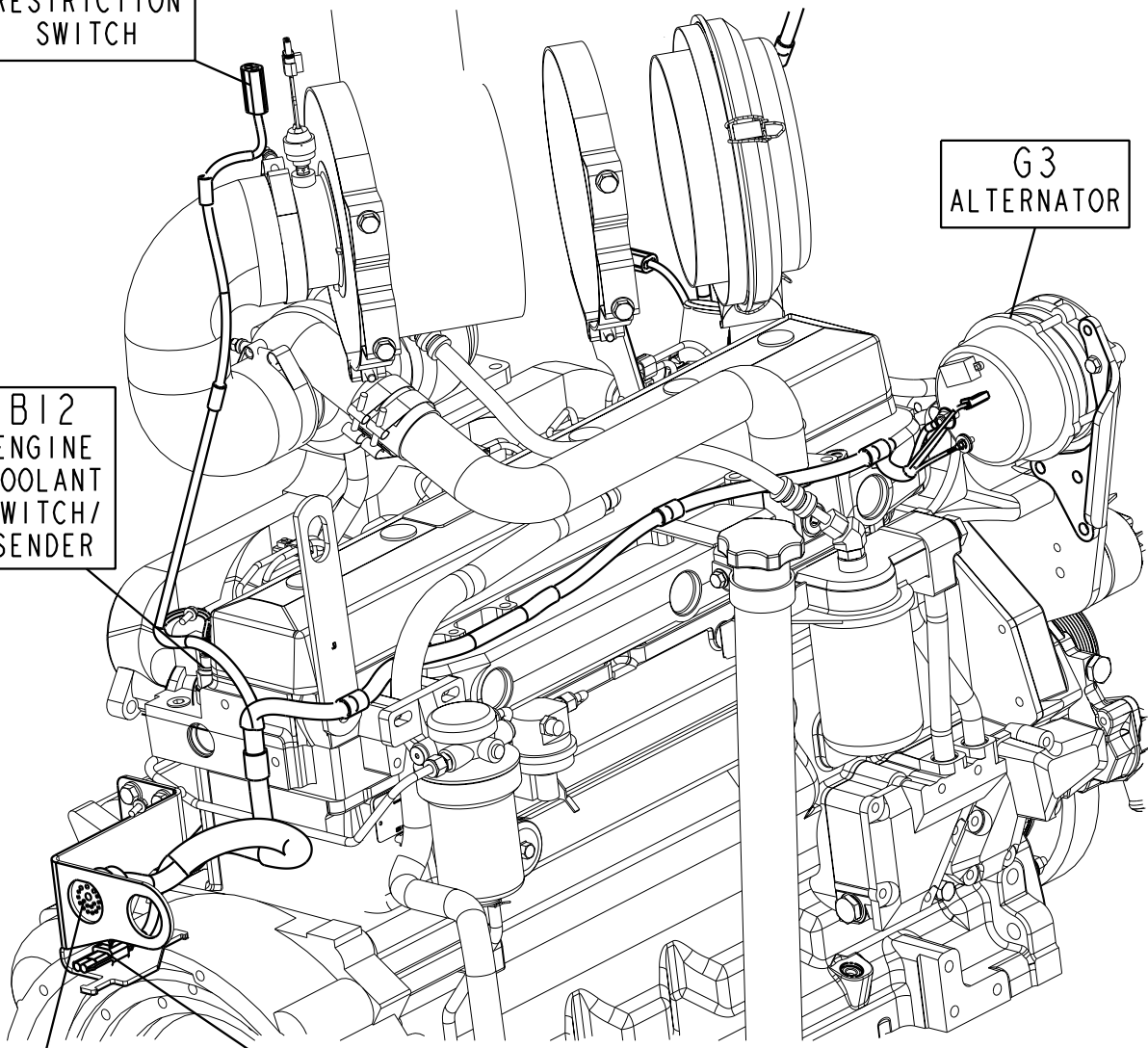
B18
AIR FILTER
RESTRICTION
SWITCH

G3
ALTERNATOR

B12
ENGINE
COOLANT
SWITCH/
SENDER

X12
ENGINE HARNESS
CONNECTOR TO
CAB HARNESS
CONNECTOR

X4
ENGINE HARNESS
CONNECTOR TO
FUEL FIRED
HEATER HARNESS



T132383

ENGINE HARNESS (W6)
COMPONENT LOCATION (4 OF 4)

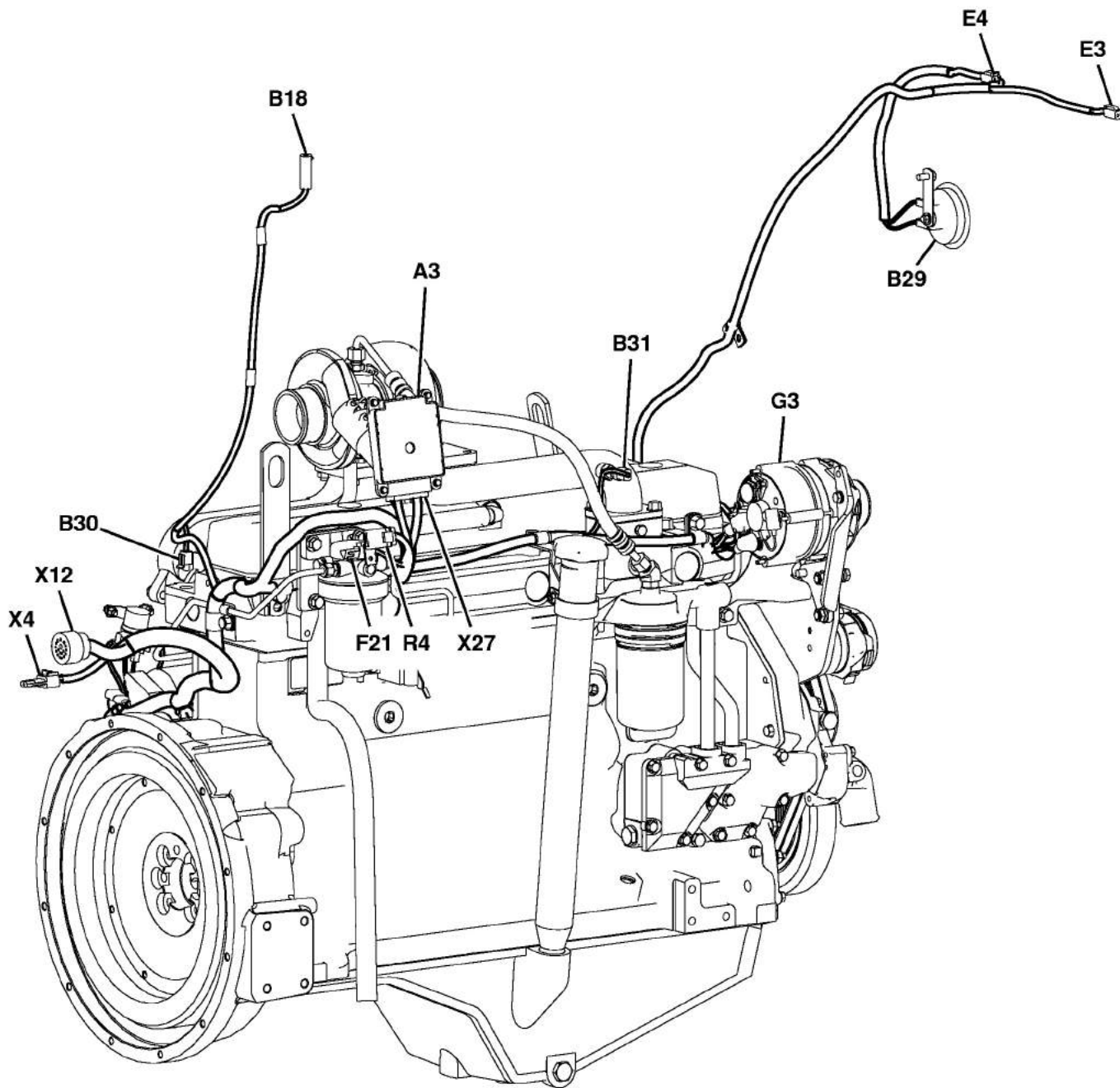
Engine Component Location 4 of 4

REV 3.0

T132383 -19-17AUG00

CED,TX14826,12214 -19-10SEP03-6/6

Engine Harness (W6) Component Location (S.N. 920839—)



9015
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T188455

Engine Component Location

Continued on next page

TX14826.0000038 -19-10SEP03-1/4

T188455 -UN-24APR03

System Diagrams

X4—Engine Harness
Connector to Fuel Fired
Harness Connector
X12—Cab Harness Connector
To Engine harness
Connector

B30—Coolant Loss
Temperature Sensor
F21—10A Engine Controller
Fuse “Unswitched”
Located By ECU
B18—Air Filter Restriction
Switch

R4—Can Termination Resister
A3—Engine Controller
B31—Manifold Air
Temperature Sensor
B29—Horn

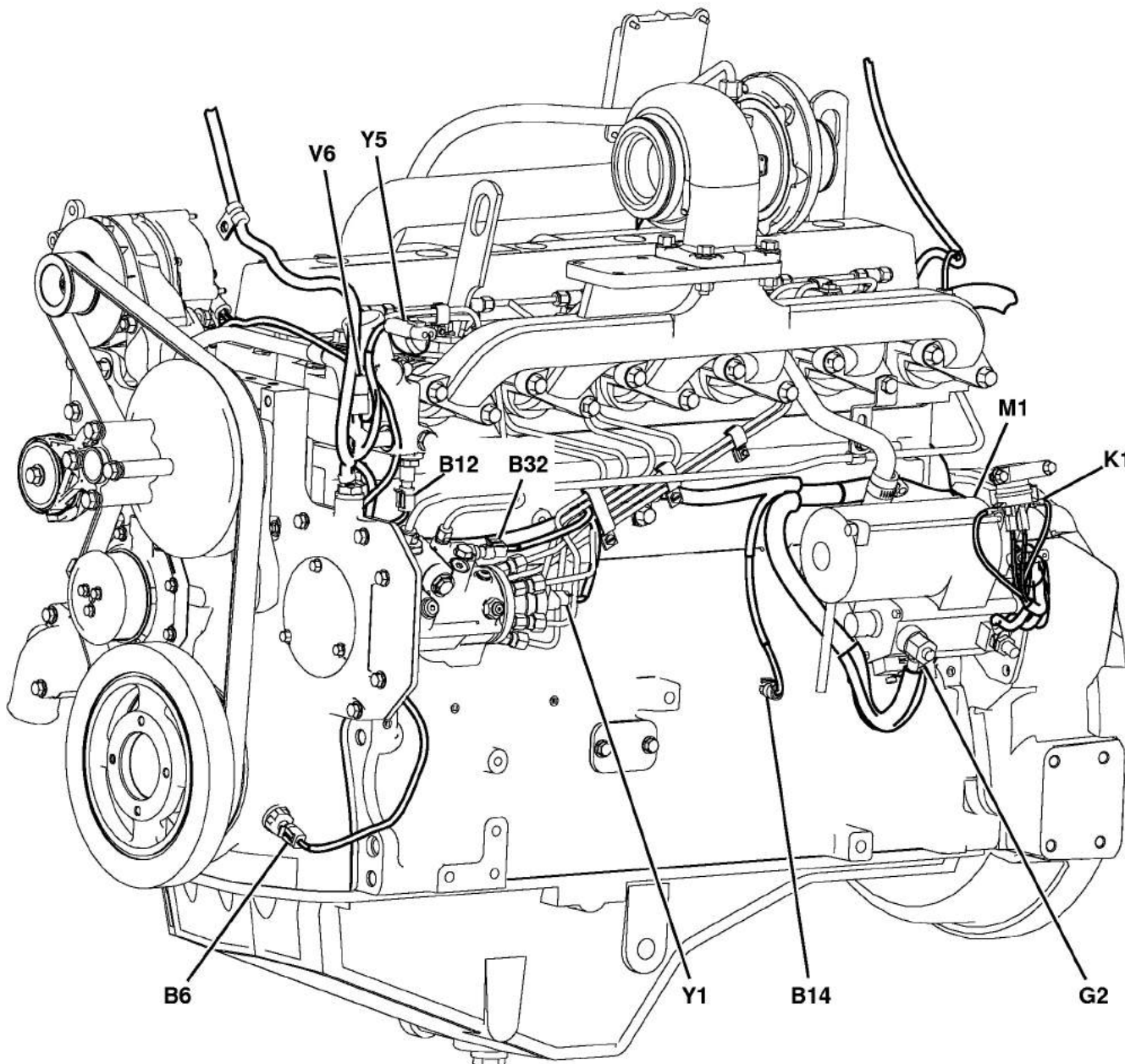
E3—Left Hand Front Light
E4—Right Hand Front Light
G3—Alternator
X27—Engine Controller
Connector

Continued on next page

TX14826,0000038 -19-10SEP03-2/4

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9015
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T188454

T188454 -UN-24APR03

Continued on next page

TX14826.0000038 -19-10SEP03-3/4

System Diagrams

V 6—5A A/C Compressor
Clutch Diode
Y5—A/C Compressor Clutch
Solenoid

K1—Start Relay
V4—Starter Solenoid Diode
M1—Starter Motor
G2—Jump Start Terminal

B14—Engine Oil Pressure
Sensor
Y1—Fuel Injection Pump
B32—Fuel Temperature
Sensor

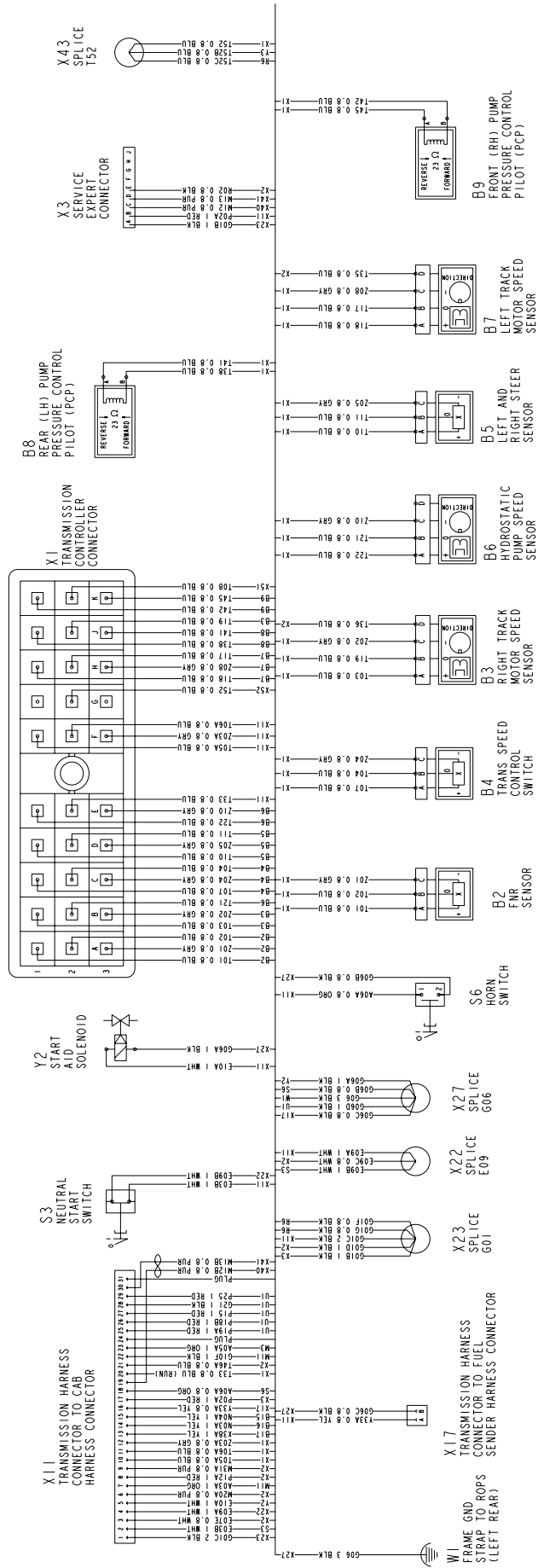
B12—Engine Coolant
Temperature Sensor
B6—Crank Position Sensor

TX14826.0000038 -19-10SEP03-4/4

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71

Transmission Harness (W7) Wiring Diagram

T132900 - 10-10AUG00



T132900

W7 TRANSMISSION HARNESS WIRING DIAGRAM (1 OF 2)

REF: AT20814 3.0

**Transmission Harness (W7) Wiring Diagram
(S.N. —910010)**

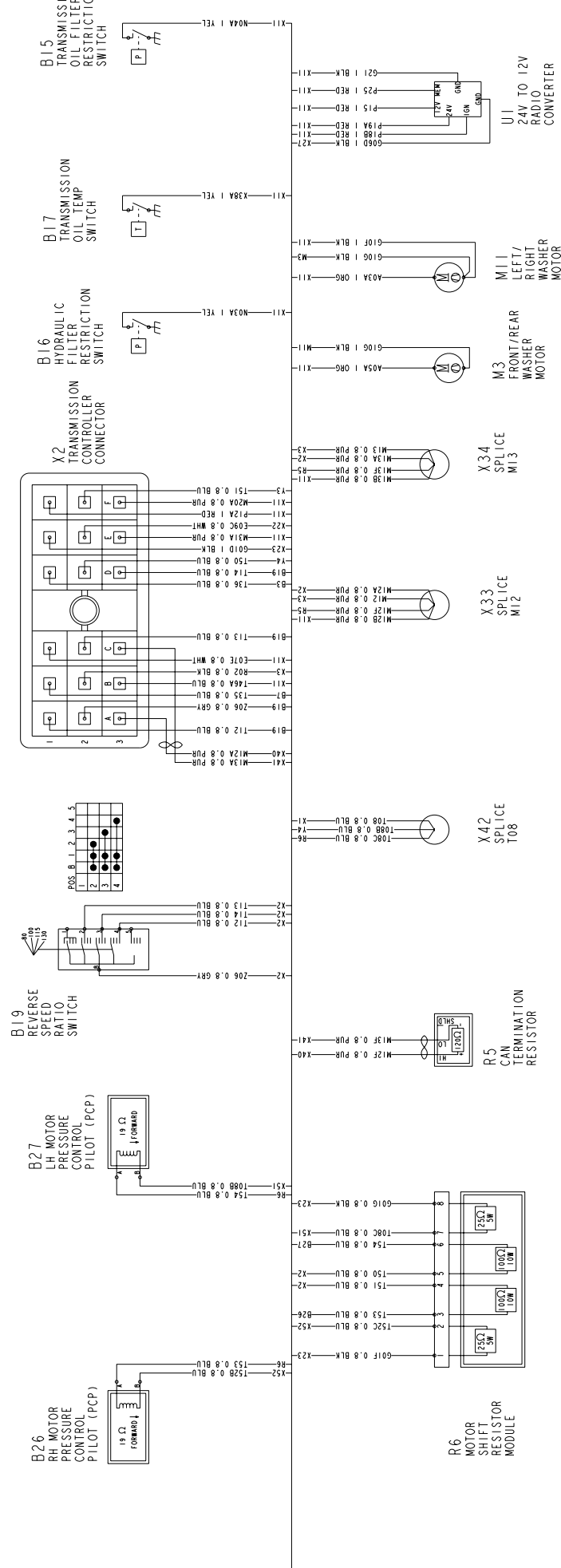
Continued on next page

CED,TX14826,12215 -19-02FEB04-2/7

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73

System Diagrams

T132091 -46-17AUG90



T132091

W7 TRANSMISSION HARNESS WIRING DIAGRAM (2 OF 2)
Transmission Harness (W7) Wiring Diagram 2 Of 2

Continued on next page
9015-10-74
700H Crawler Dozer
PNE-212

REF. A1Z20874

Trace wires through the following mating connector and machine harness.

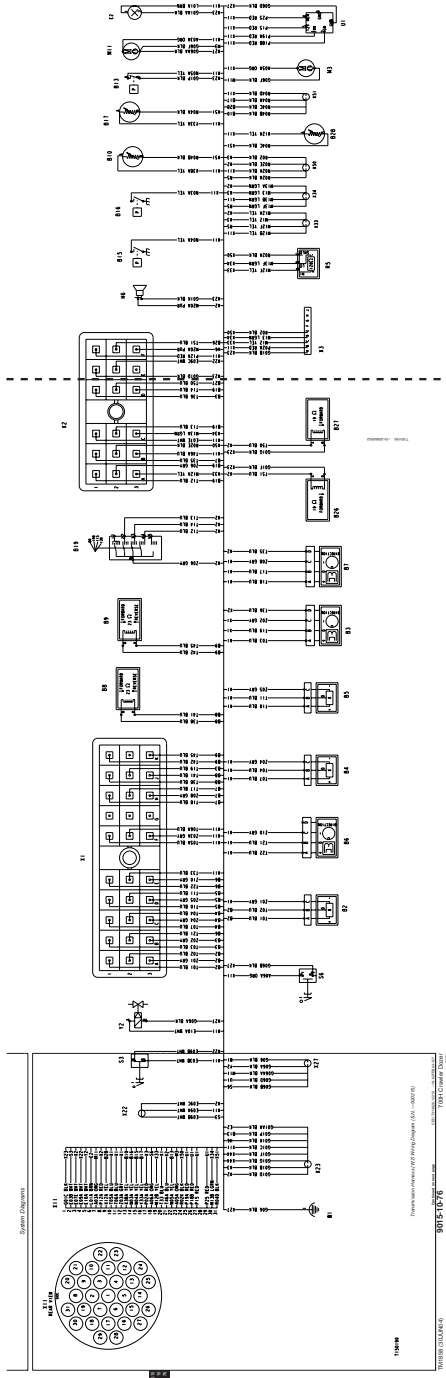
Transmission Harness (W7) Wiring Diagram (S.N. 910011—)

- X11—See Cab Harness (W5) Wiring Diagram

Continued on next page

CED,TX14826,12215 -19-02FEB04-4/7

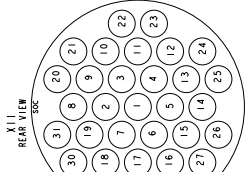
9015
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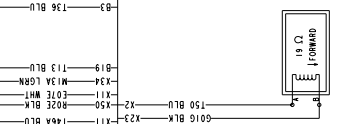
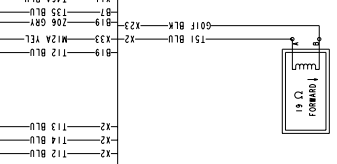
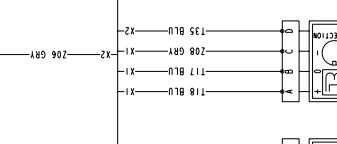
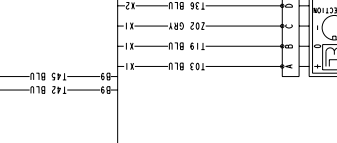
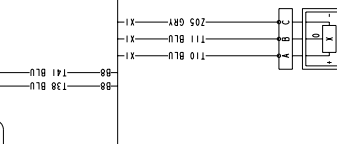
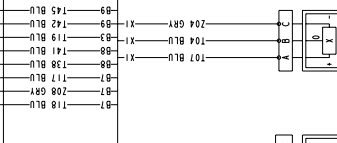
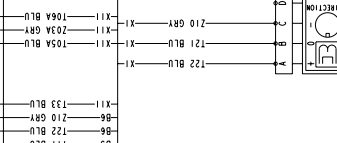
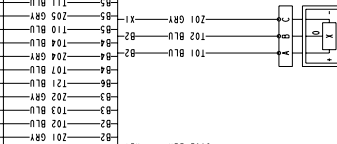
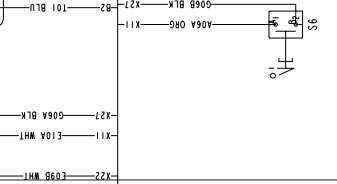
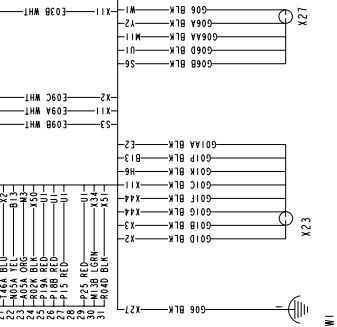
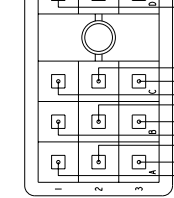
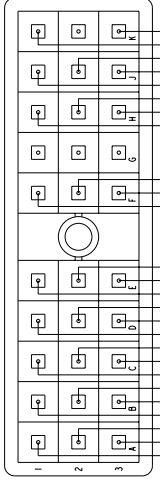
See Page 9015-10-76 A

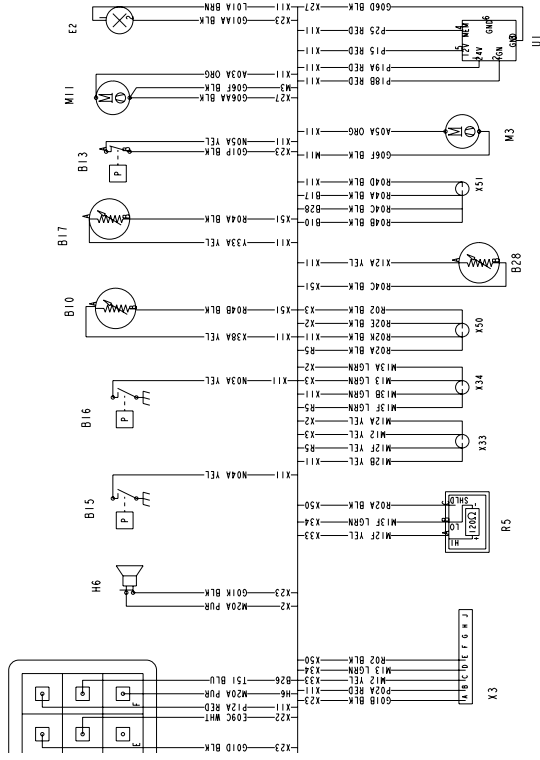
See Page 9015-10-76 B

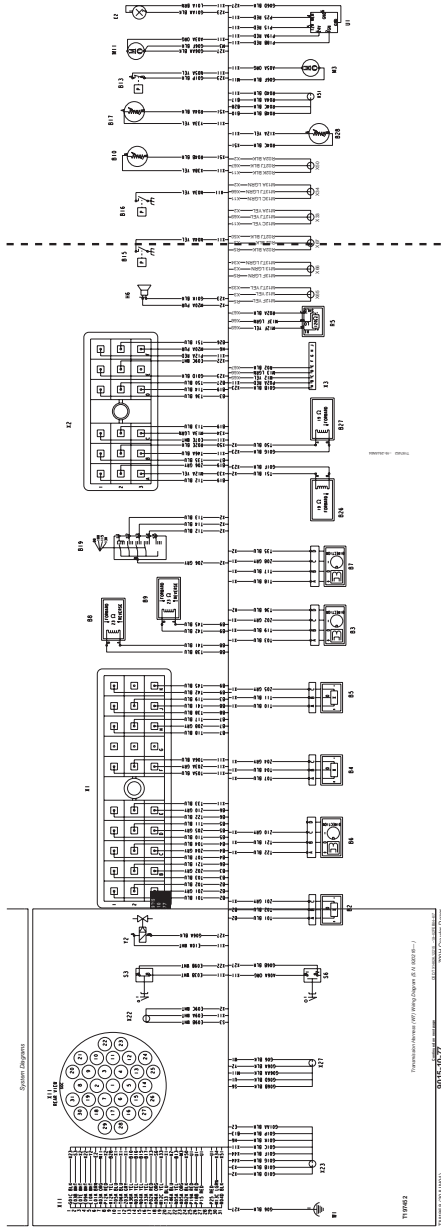
System Diagrams



- X11
- 1 601C BLK
- 2 601E WHT
- 3 601E WHT
- 4 601E WHT
- 5 601E WHT
- 6 601A BRN
- 7 601A BRN
- 8 601A BRN
- 9 601A BRN
- 10 601A BRN
- 11 601A BRN
- 12 601A BRN
- 13 601A BRN
- 14 601A BRN
- 15 601A BRN
- 16 601A BRN
- 17 601A BRN
- 18 601A BRN
- 19 601A BRN
- 20 601A BRN
- 21 601A BRN
- 22 601A BRN
- 23 601A BRN
- 24 601A BRN
- 25 601A BRN
- 26 601A BRN
- 27 601A BRN
- 28 601A BRN
- 29 601A BRN
- 30 601A BRN
- 31 601A BRN







See Page 9015-10-77 A

See Page 9015-10-77 B

System Diagrams

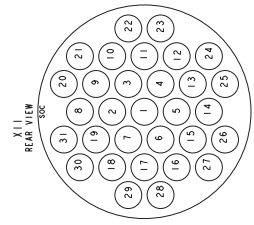
Trace wires through the following mating connector and machine harness.

- X11—See Cab Harness (W5) Wiring Diagram

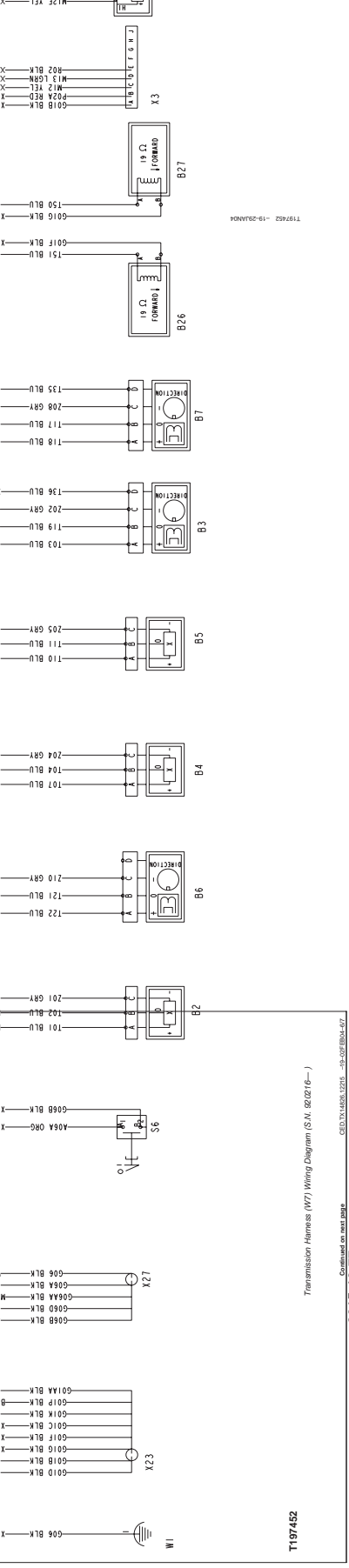
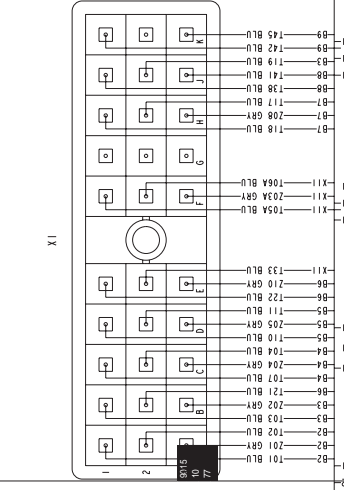
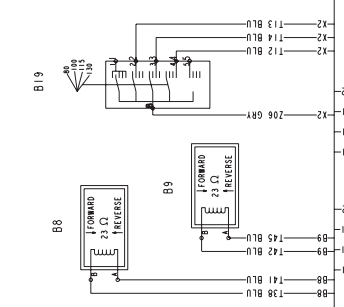
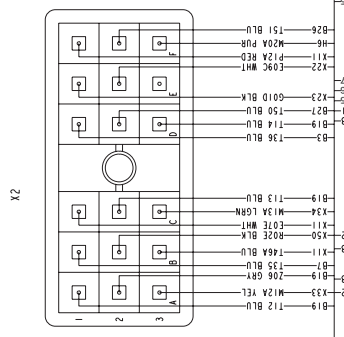
CED,TX14826,12215 -19-02FEB04-7/7

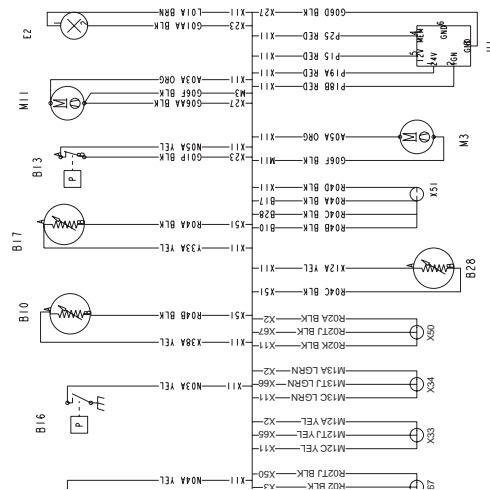
9015
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78

System Diagrams

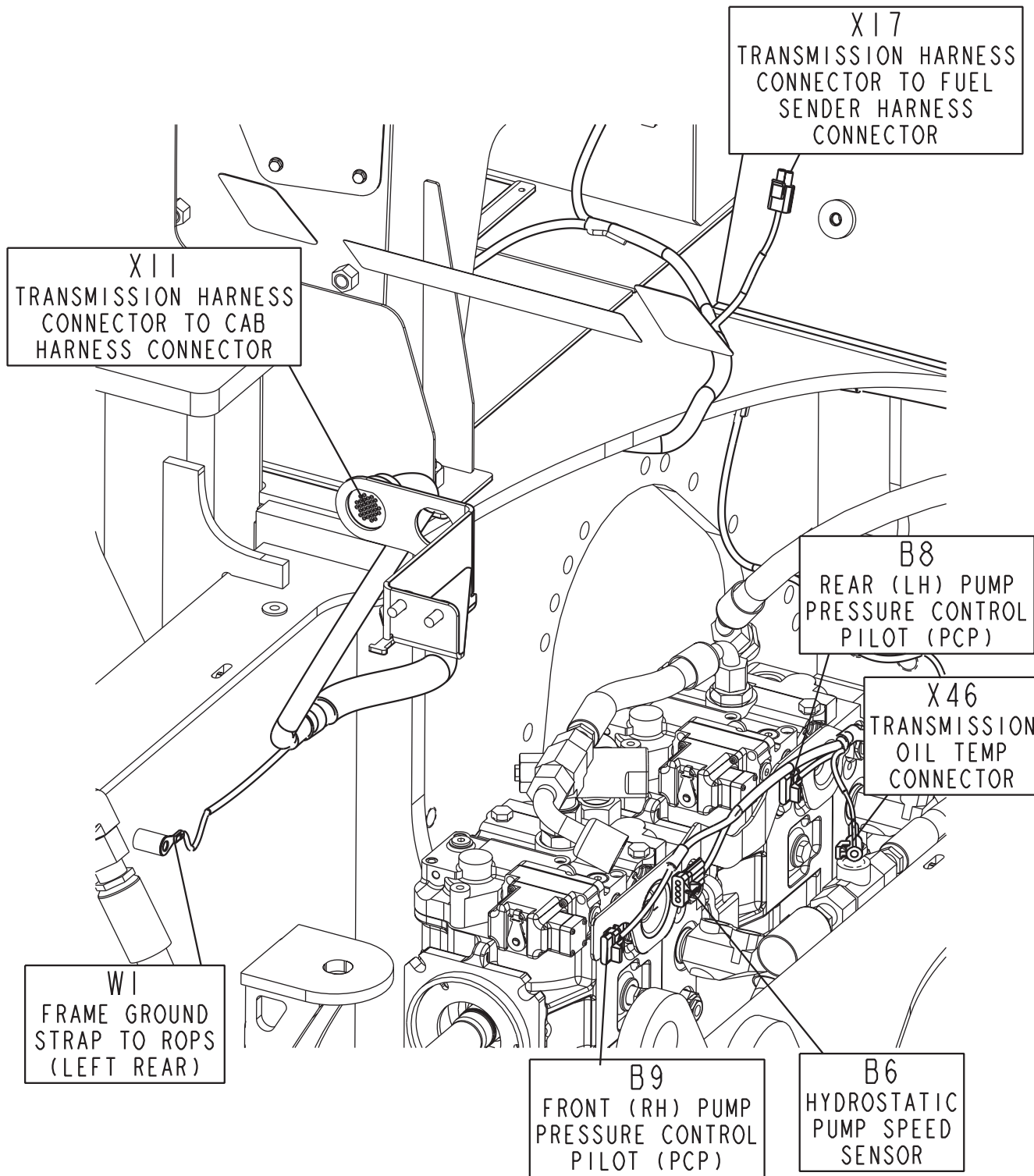


- X11 1-C01B BLK X23
- 2-C01B WHI X23
- 3-C01E WHI X23
- 4-C01E WHI X23
- 5-C01A WHI X23
- 6-C01A WHI X23
- 7-C01A WHI X23
- 8-P12A RED X23
- 9-P12A RED X23
- 10-T06A BLU X23
- 11-T06A BLU X23
- 12-T06A BLU X23
- 13-T06A VEL X23
- 14-T06A VEL X23
- 15-T06A VEL X23
- 16-T06A VEL X23
- 17-T06A VEL X23
- 18-T06A VEL X23
- 19-T06A VEL X23
- 20-T06A VEL X23
- 21-T06A VEL X23
- 22-T06A VEL X23
- 23-T06A VEL X23
- 24-T06A VEL X23
- 25-T06A VEL X23
- 26-T06A VEL X23
- 27-T06A VEL X23
- 28-T06A VEL X23
- 29-T06A VEL X23
- 30-T06A VEL X23
- 31-T06A VEL X23





Transmission Harness (W7) Component Location (S.N. —910010)



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T132407

TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (1 OF 5)

Transmission Component Location 1 Of 5

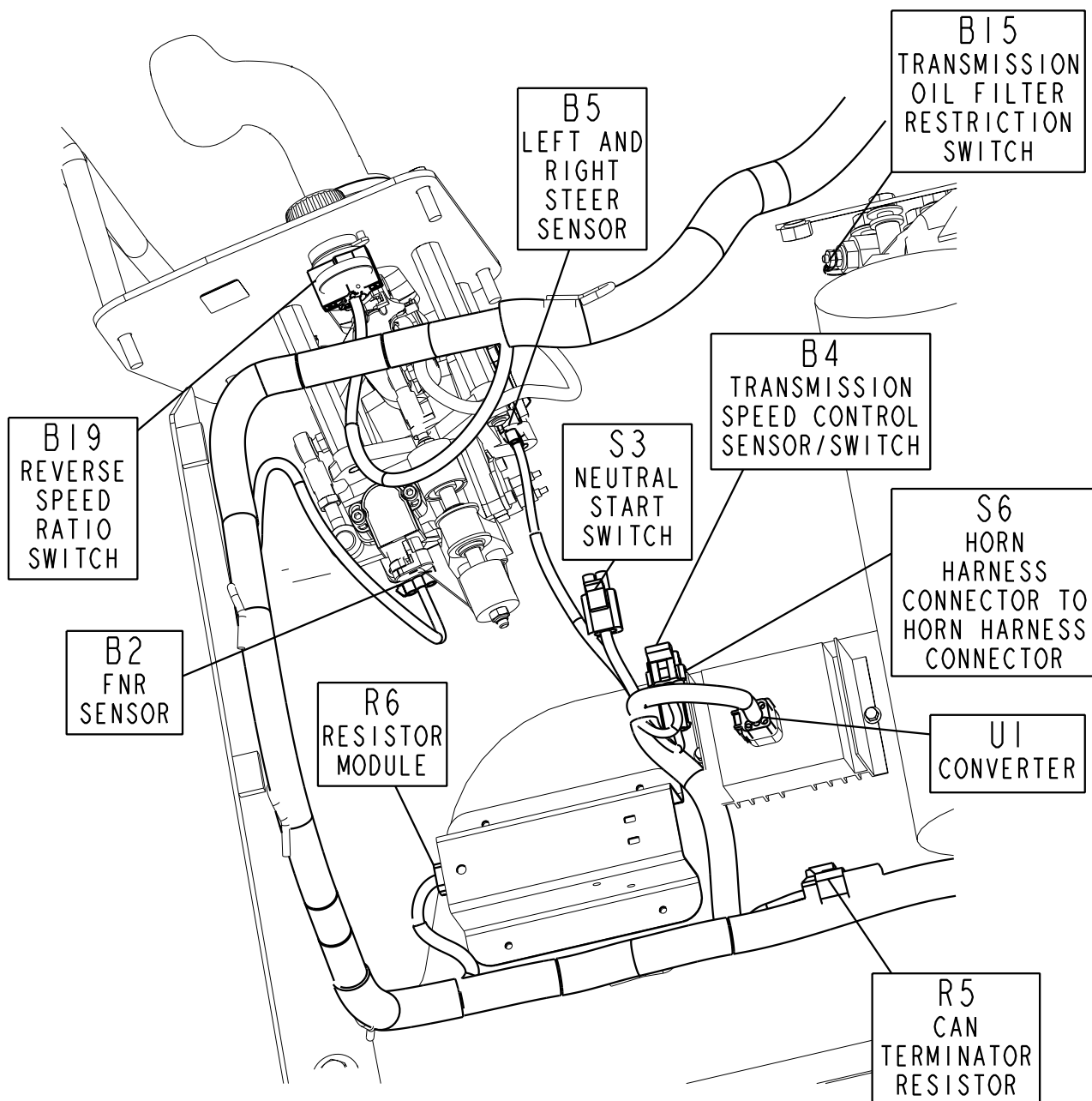
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REV 3.0

T132407 -19-08SEP00

CED,TX14826,12216 -19-02APR02-1/5

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80



T132408

TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (2 OF 5)

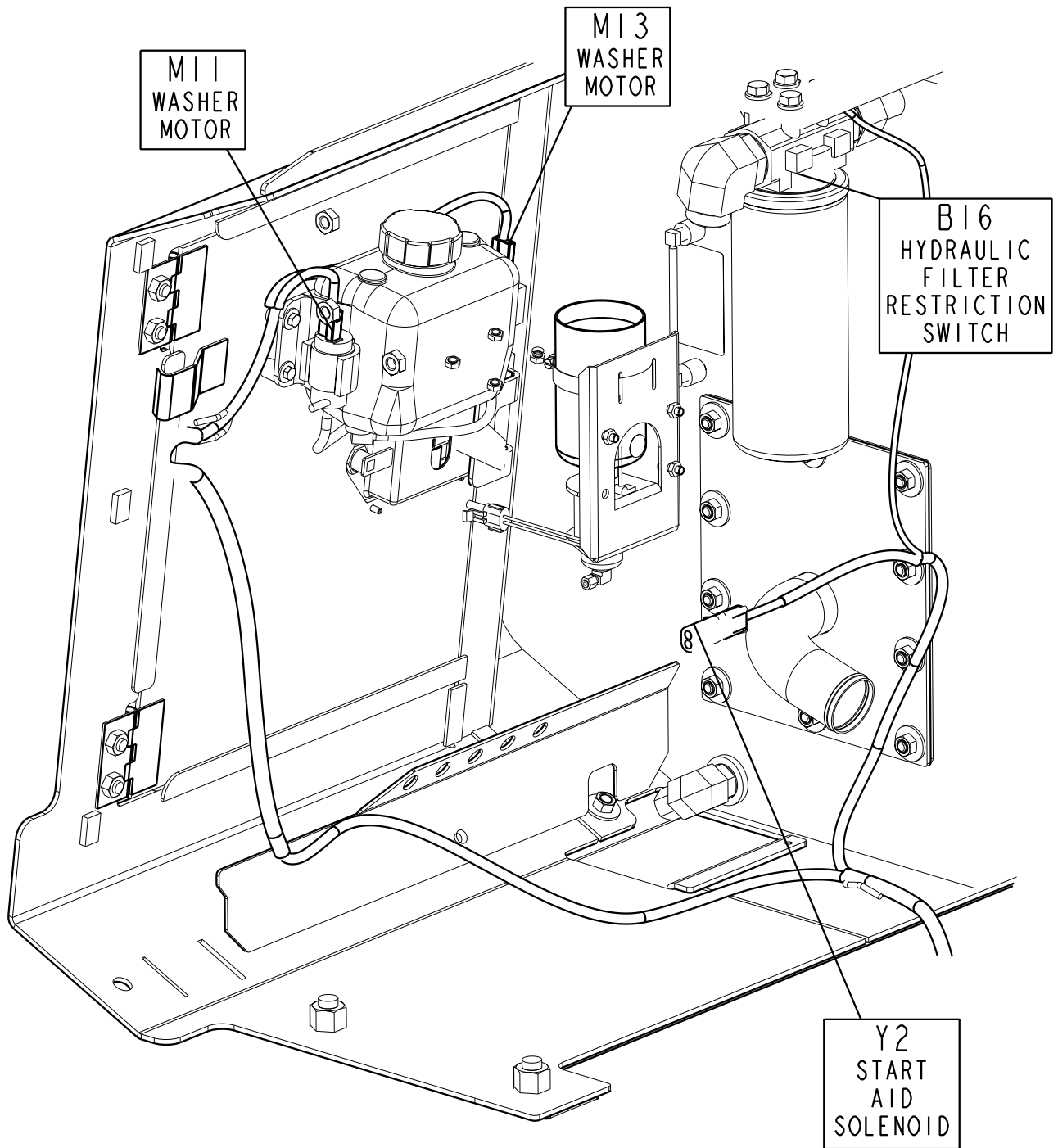
Transmission Component Location 2 Of 5

REV 3.0

T132408 -19-08SEP00

Continued on next page

CED,TX14826,12216 -19-02APR02-2/5



9015
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81

T132410

TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (3 OF 5)

Transmission Component Location 3 Of 5

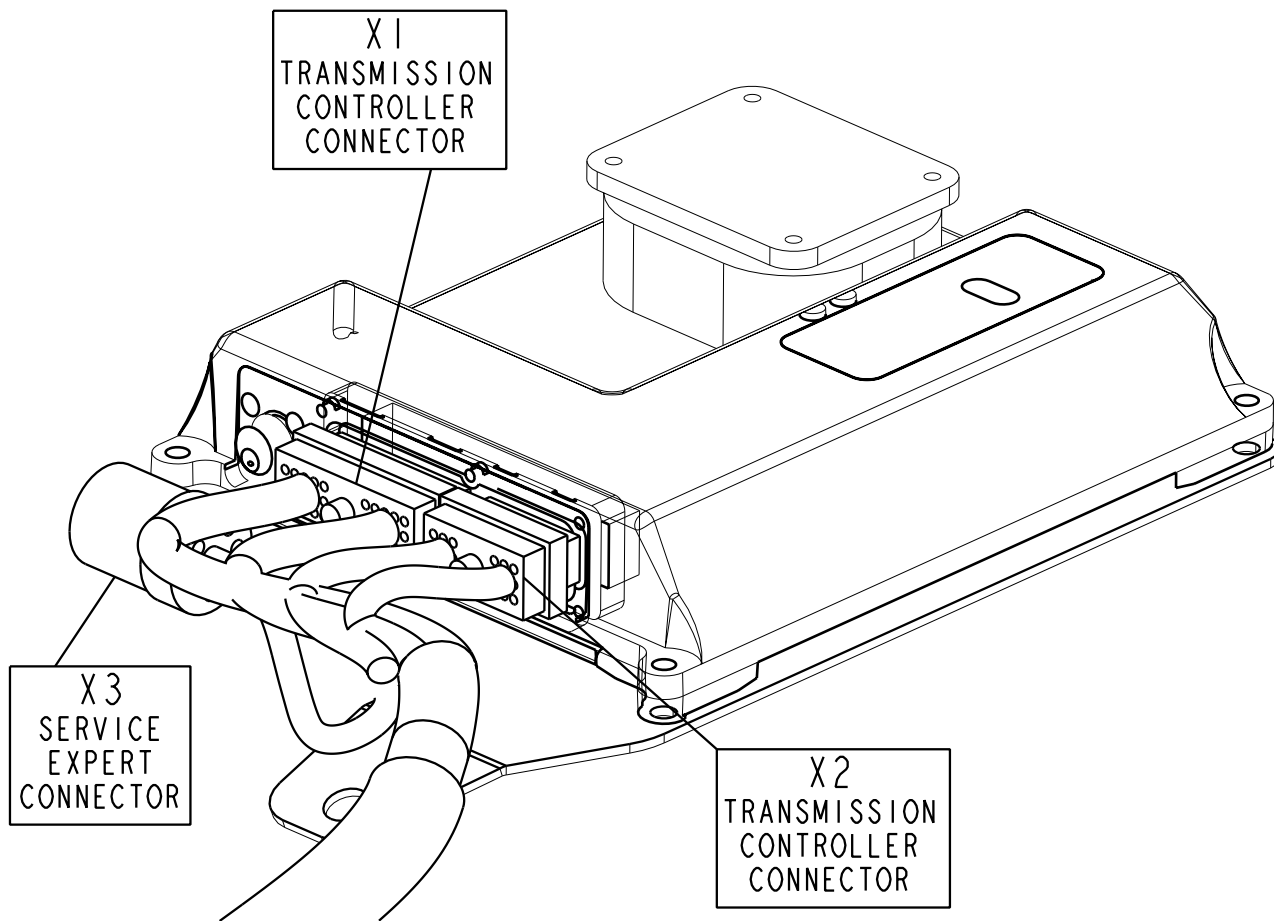
REV 3.0

T132410 -19-08SEP00

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CED, TX14826, 12216 -19-02APR02-3/5

9015
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T132411

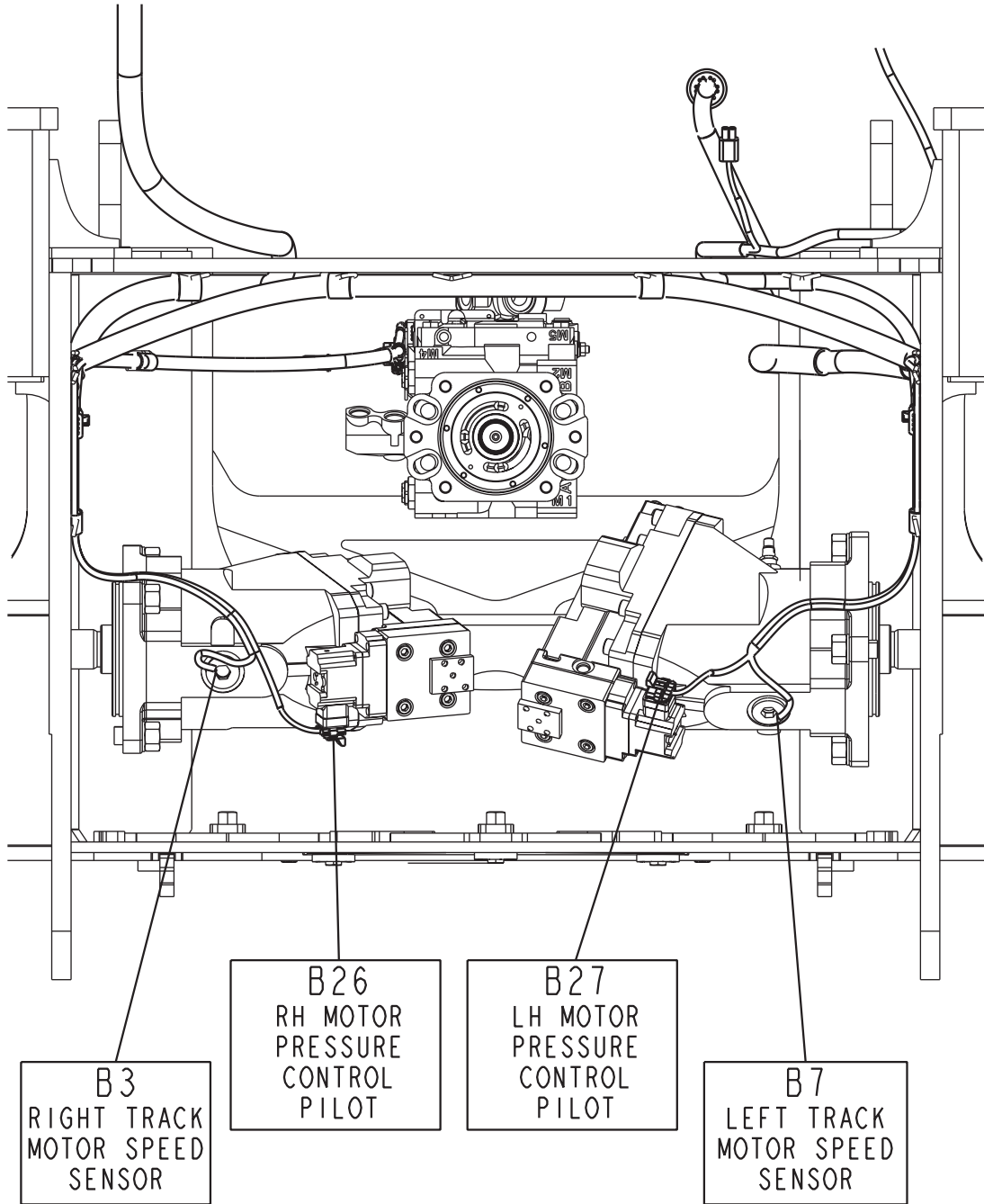
TRANSMISSION HARNESS (W7)
 COMPONENT LOCATION (4 OF 5)
Transmission Component Location 4 Of 5

REV 3.0

T132411 -19-08SEP00

Continued on next page

CED,TX14826,12216 -19-02APR02-4/5



B3
RIGHT TRACK
MOTOR SPEED
SENSOR

B26
RH MOTOR
PRESSURE
CONTROL
PILOT

B27
LH MOTOR
PRESSURE
CONTROL
PILOT

B7
LEFT TRACK
MOTOR SPEED
SENSOR

TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (5 OF 5)
Transmission Component Location 5 Of 5

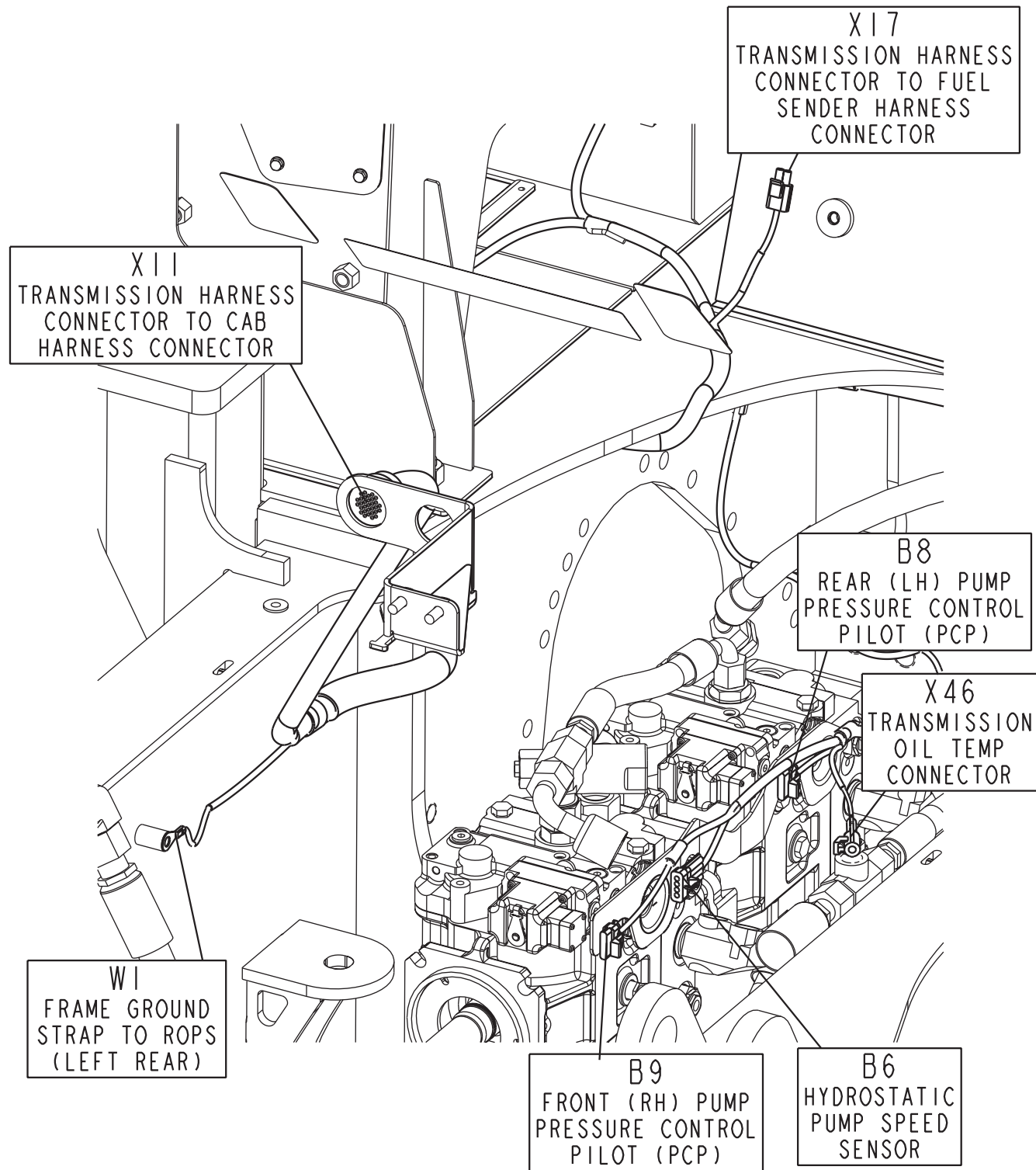
T132412

REV 3.0

T132412 -19-08SEP00

CED,TX14826,12216 -19-02APR02-5/5

Transmission Harness (W7) Component Location (S.N. 910011—)



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T150536

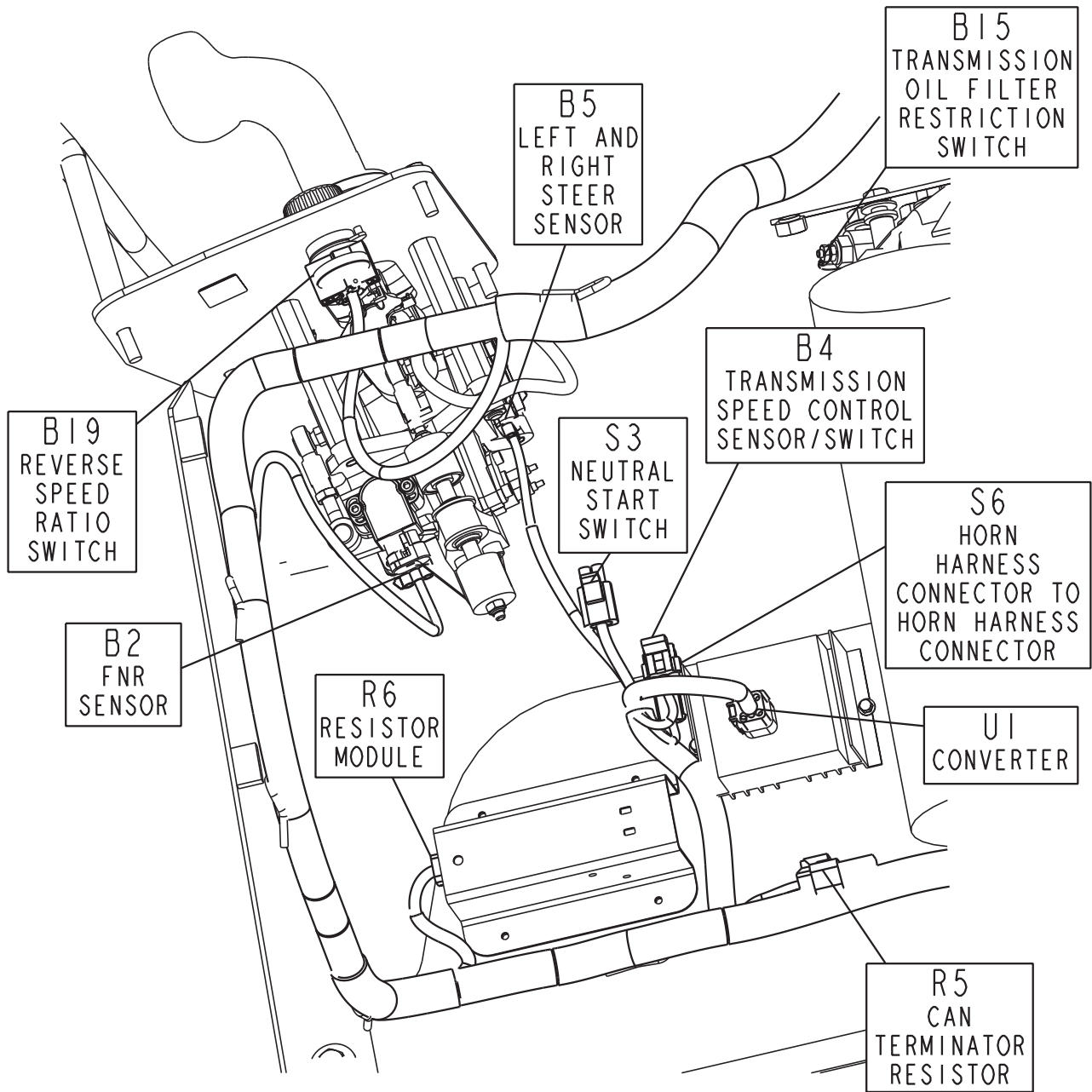
TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (1 OF 6)

REV 3.0

T150536 -19-20MAR02

Continued on next page

TX14826.0003254 -19-02APR02-1/6



TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (2 OF 6)

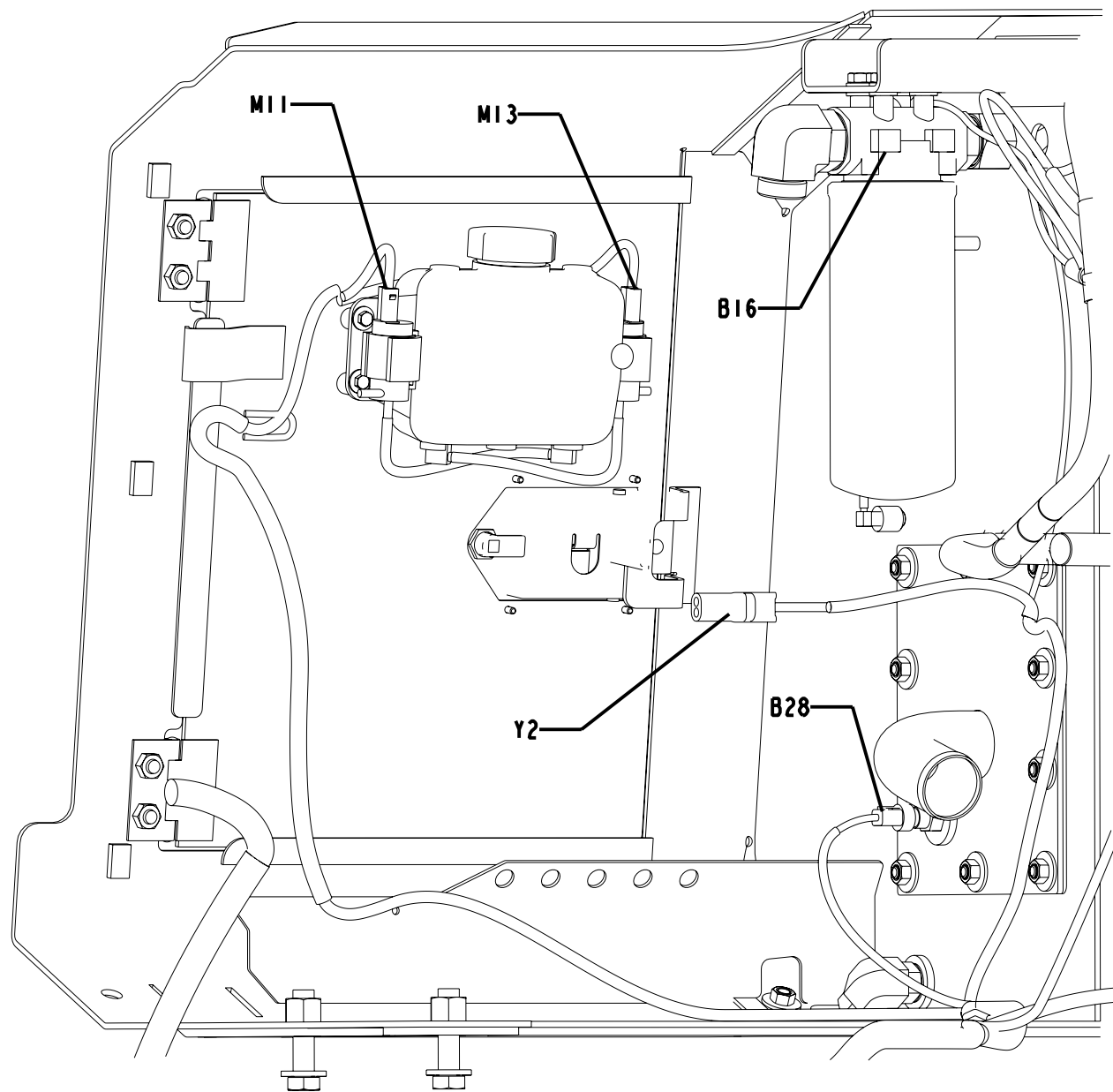
T150537

REV 3.0

T150537 -19-20MAR02

Continued on next page

TX14826.0003254 -19-02APR02-2/6



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T150191

**TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (3 OF 6)**

M11—Washer Motor
M13—Wahern Motor

B16—Hydraulic Filter
Restriction Switch

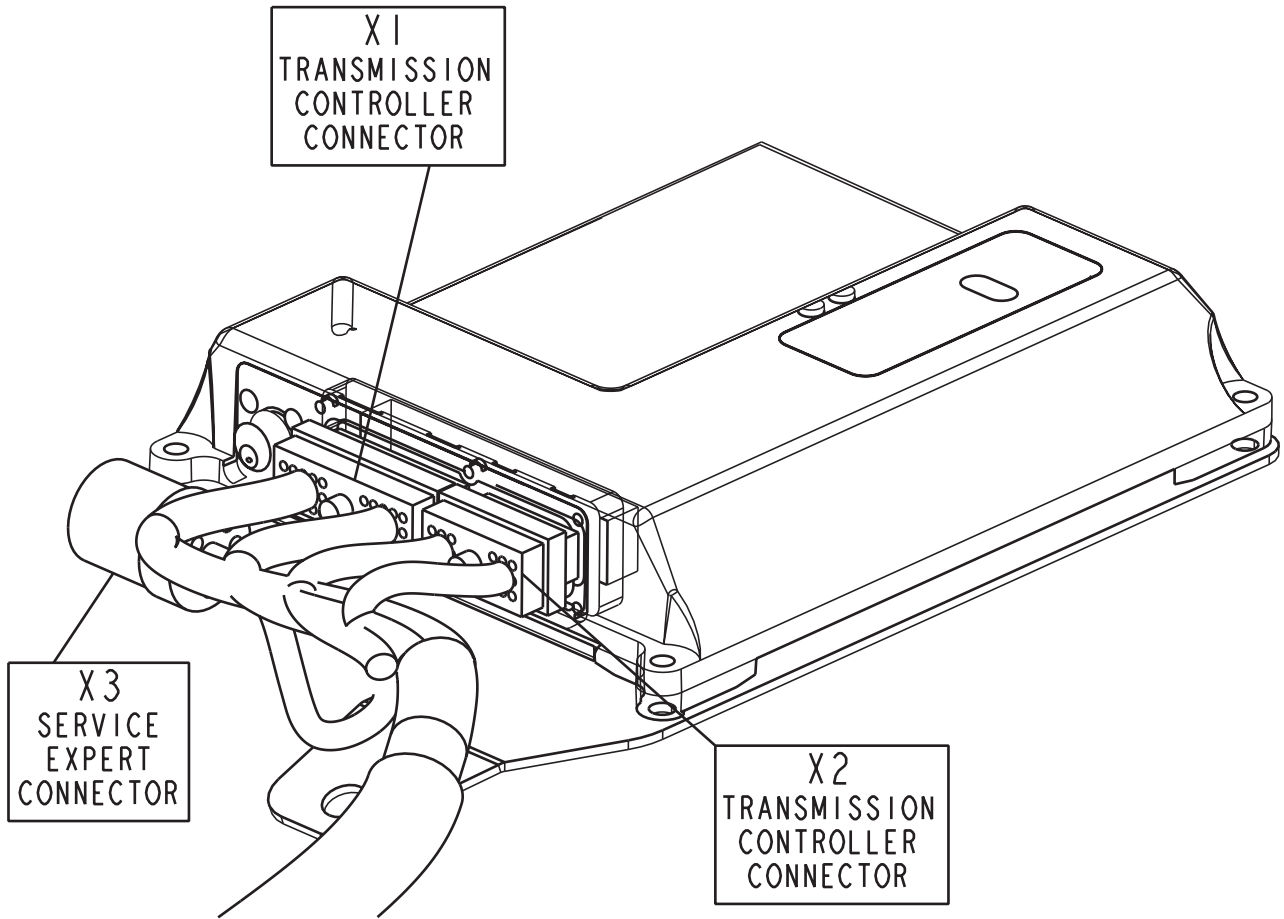
Y2—Start Aid Solenoid

B28—Hydraulic Temperature
Sender

Continued on next page

TX14826.0003254 -19-02APR02-3/6

T150191 -19-21MAR02



TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (4 OF 6)

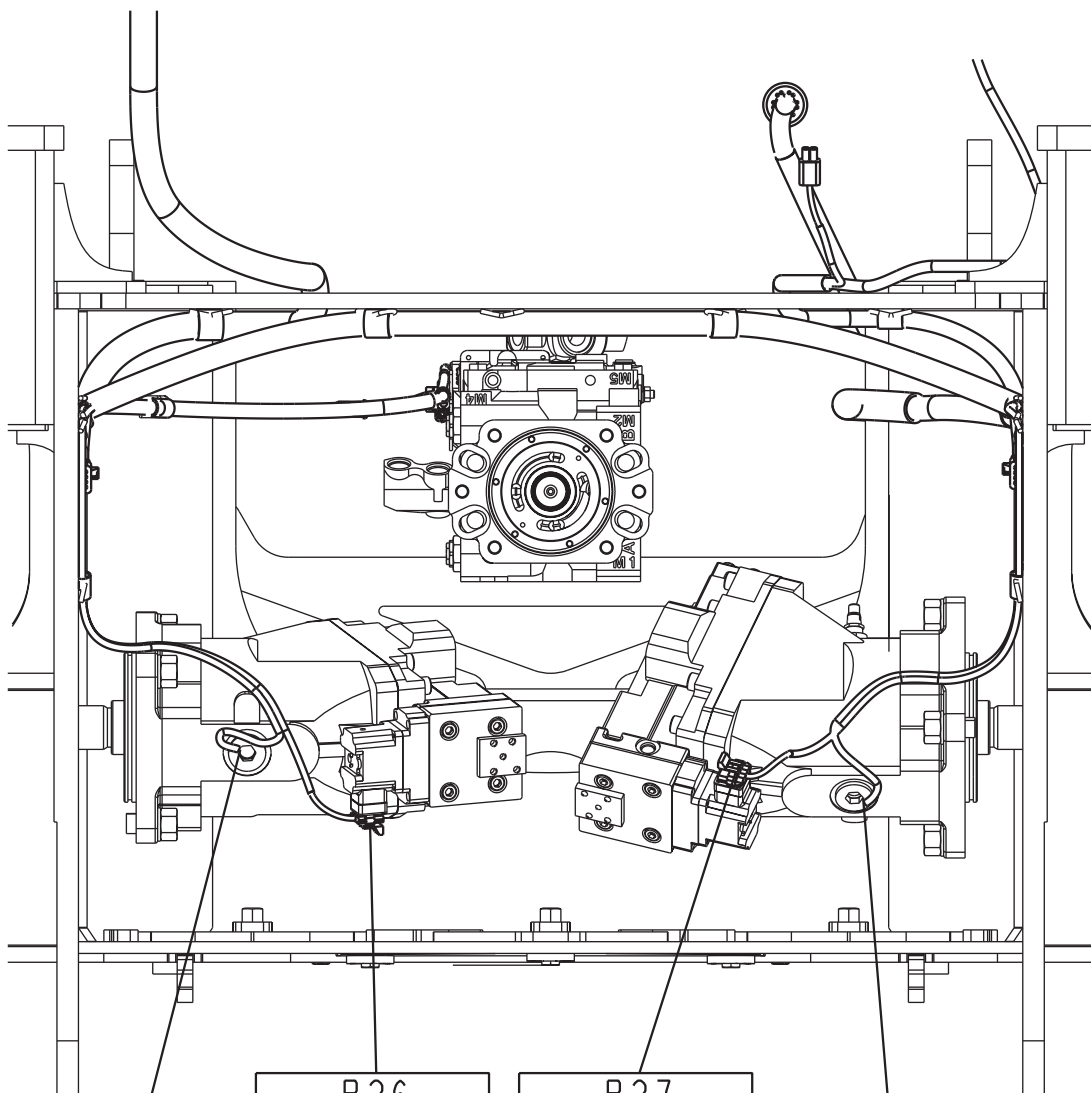
T150192

REV 3.0

T150192 -19-20MAR02

Continued on next page

TX14826.0003254 -19-02APR02-4/6



B3
RIGHT TRACK
MOTOR SPEED
SENSOR

B26
RH MOTOR
PRESSURE
CONTROL
PILOT

B27
LH MOTOR
PRESSURE
CONTROL
PILOT

B7
LEFT TRACK
MOTOR SPEED
SENSOR

TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (5 OF 6)

T150538

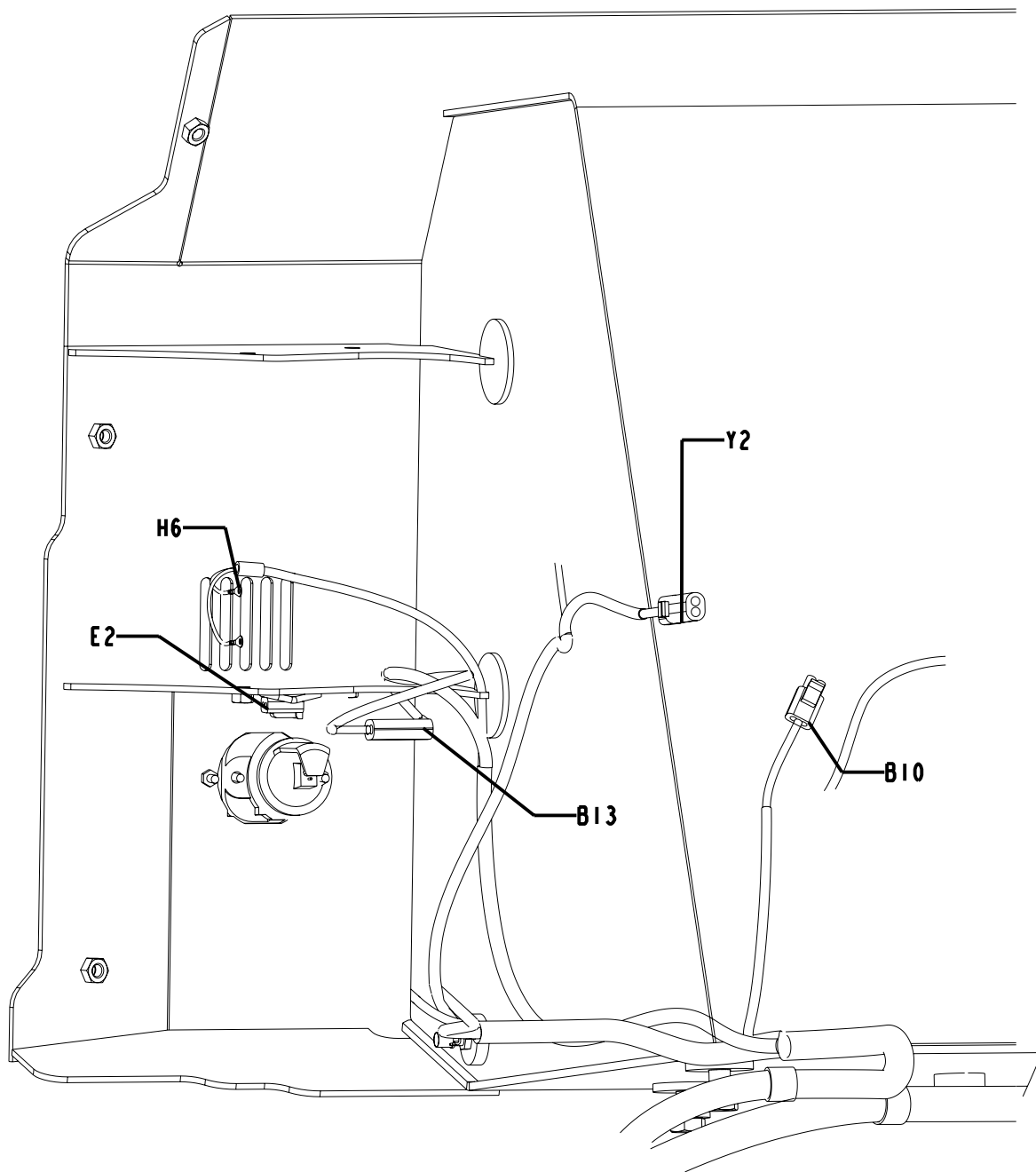
REV 3.0

T150538 -19-20MAR02

Continued on next page

TX14826.0003254 -19-02APR02-5/6

9015
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T150193

**TRANSMISSION HARNESS (W7)
COMPONENT LOCATION (6 OF 6)**

E2—Rear Light
H6—Backup Alarm

Y2—Start Aid Solenoid

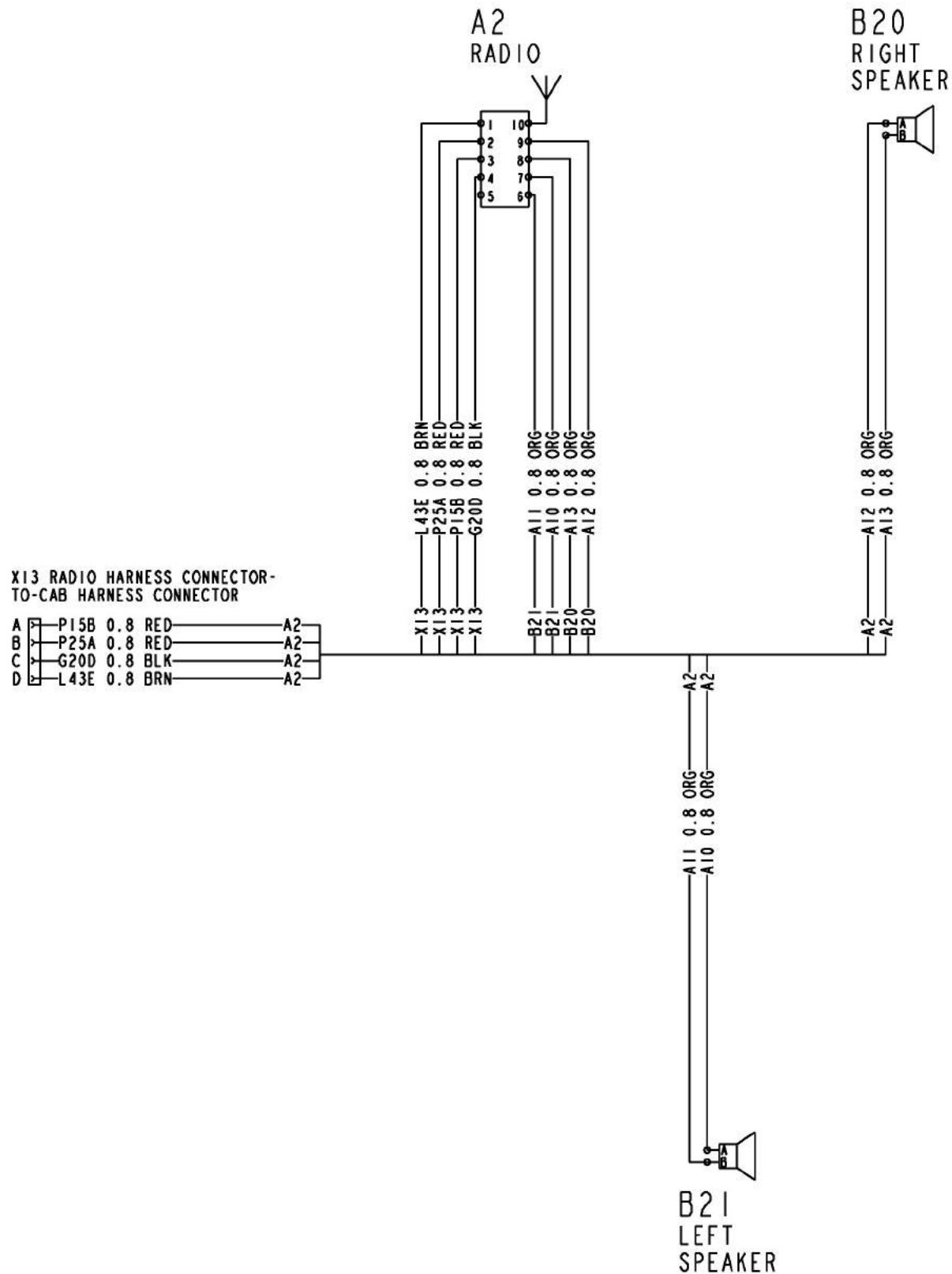
B13—Winch Pressure Switch

B10—Fuel Sender

TX14826.0003254 -19-02APR02-6/6

Radio Harness (W9) Wiring Diagram

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T125255

RADIO WIRING DIAGRAM (W9) (1 OF 1)

REV 3.0

T125255 -19-10NOV99

Continued on next page

CED.TX14826.12217 -19-10MAR00-1/2

Trace wires through the following mating connector and machine harness.

- X13—See Cab Harness (W5) Wiring Diagram

CED,TX14826,12217 -19-10MAR00-2/2

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91

Radio Harness (W9) Component Location

A	- P15B RED
B	- P25A RED
C	- G20D BLK
D	- L43E BRN

X13
RADIO HARNESS
CONNECTOR TO
CAB HARNESS
CONNECTOR

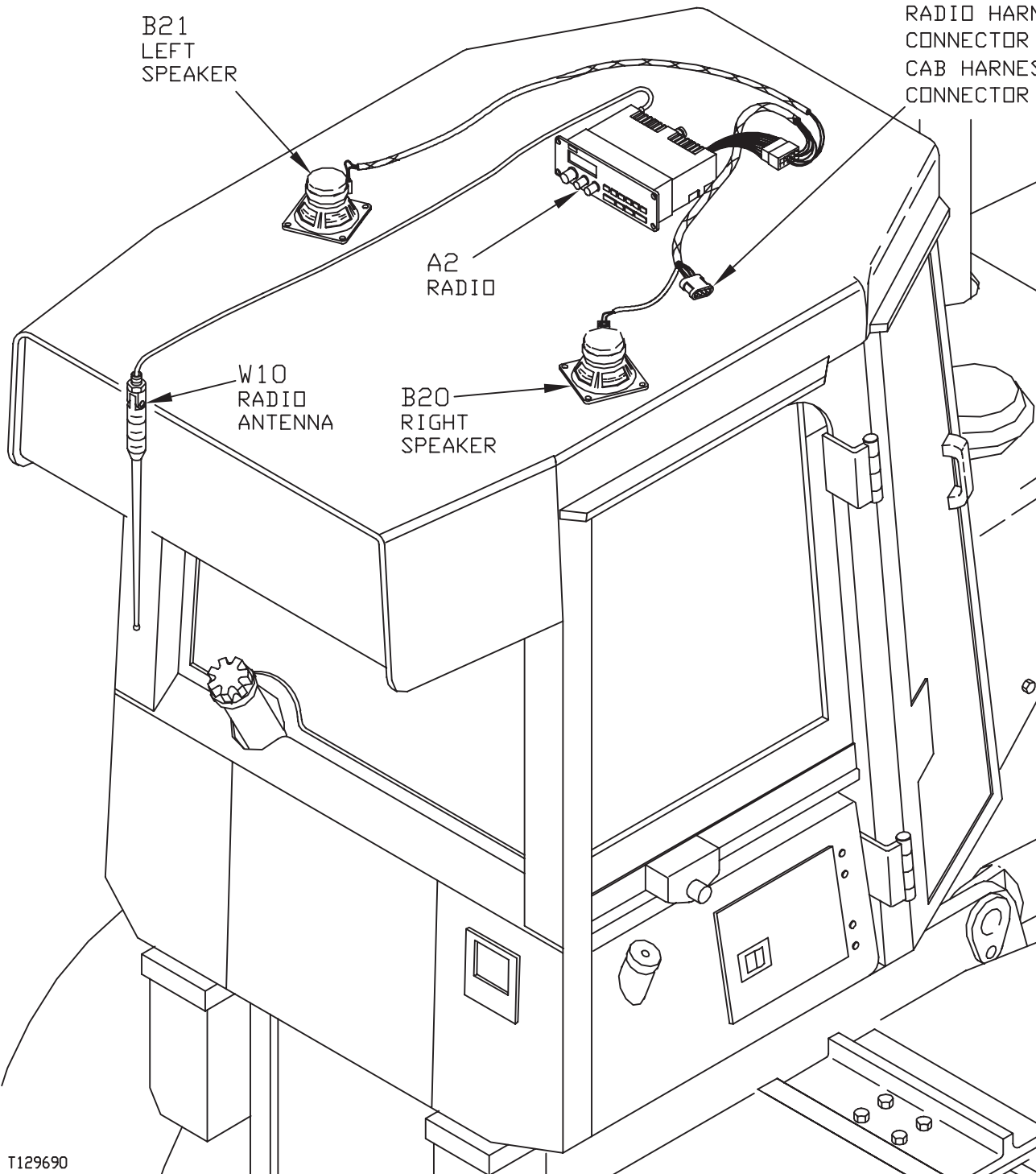
B21
LEFT
SPEAKER

A2
RADIO

W10
RADIO
ANTENNA

B20
RIGHT
SPEAKER

9015
10
92

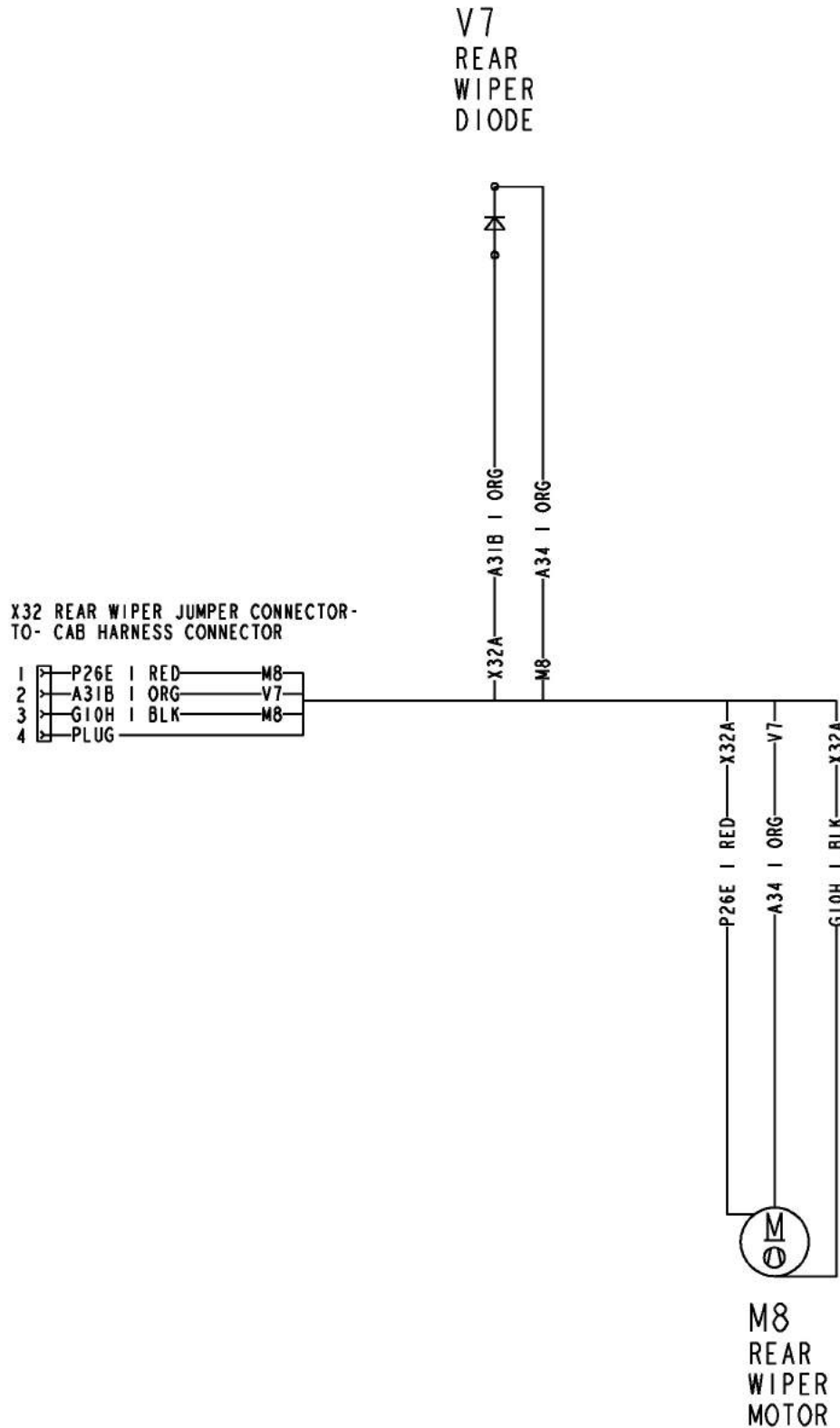


T129690

T129690 -19-29MAR00

CED.TX14826.12218 -19-10MAR00-1/1

Rear Wiper Harness (W11) Wiring Diagram



T120932

REAR WIPER JUMPER HARNESS

REV 3.0

Continued on next page

CED.TX14826,12219 -19-10MAR00-1/2

T120932 -19-31MAR99

9015
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