

ELECTRICAL SYSTEM SCHEMATICS

System Schematics

Schematic And Wiring Harness Legend

A1 - Timer Module (SE2, W1)
B1 - Engine Coolant Temperature Sensor (SE3, W1)
B2 - Engine Oil Pressure Switch (SE4, W1)
B3 - Fuel Gauge Sensor (SE4, W1)
E1 - Right Headlight (SE5, W1)
E2 - Left Headlight (SE5, W1)
E3 - Left Hazard/Turn Light (SE5, W1)
E4 - Tail Light (SE5, W1)
E5 - Right Hazard/Turn Light (SE5, W1)
E6 - Work Light (SE5, W1)
F1 - Fuse 40A (SE1, W4)
F2 - Fuse 15A (SE4, W1)
F3 - Fuse 10A (SE4, W1)
F4 - Fuse 20A (SE4, W1)
F5 - Fuse 20A (SE4, W1)
G1 - Battery (SE1, W1)
G2 - Alternator (SE3, W1)
H1 - Engine Coolant Temperature Light (SE3, W5)
H2 - Engine Oil Pressure Light (SE4, W5)
H3 - Discharge Light (SE4, W5)
H4 - Dash Light (SE4, W5)
H5 - Left Turn Light (SE4, W5)
H6 - Right Turn Light (SE4, W5)
K1 - Start Relay (SE1, W1)
K2 - Fuel Relay (SE2, W1)
K3 - Safety Relay 1 (SE3, W1)
K4 - Safety Relay 2 (SE3, W1)
K5 - Flasher (SE4, W1)
M1 - Starting Motor (SE1, W3)
N1 - Voltage Regulator/Rectifier (SE3, W1)
P1 - Fuel Gauge (SE4, W5)
R1 - Glow Plug (SE2, W6)
R2 - Glow Plug (SE2, W6)
R3 - Glow Plug (SE2, W6)
S1 - Key Switch (SE1, W1)
S2 - Seat Switch (SE2, W1)
S3 - Light Switch (SE3, W1)

S4 - Turn Signal Switch (SE4, W1)
S5 - PTO Switch (SE4, W1)
S6 - Transmission Neutral Switch (SE5, W2)
V1 - Diode (SE1, W1)
V2 - Diode (SE2, W1)
V3 - Diode (SE2, W1)
V4 - Diode (SE2, W1)
V5 - Diode (SE2, W1)
V6 - Diode (SE2, W1)
V7 - Diode (SE2, W1)
V8 - Diode (SE2, W1)
W1 - Frame Ground (SE1, W1)
Y1 - Starting Motor Solenoid (SE1, W1)
Y2 - Fuel Shutoff Solenoid (SE2, W1)
Y3 - PTO Solenoid (SE5, W2)

Connectors:

X1 - W4 Power Supply Wiring Harness to S1 Key Switch (SE1, W4)
X2 - W3 Battery Cable Wiring Harness to W4 Power Supply Wiring Harness (SE1, W3)
X3 - W1 Main Wiring Harness to S1 Key Switch (SE1, W1)
X4 - W1 Main Wiring Harness to V1 Diode (SE1, W1)
X5 - W4 Power Supply Wiring Harness to W1 Main Wiring Harness (SE2, W4)
X6 - W1 Main Wiring Harness to V2 Diode (SE2, W1)
X7 - W1 Main Wiring Harness to W5 Engine Wiring Harness (SE2, W1)
X8 - W1 Main Wiring Harness to A1 Timer Module (SE2, W1)
X9 - W1 Main Wiring Harness to Y2 Fuel Shutoff Solenoid (SE2, W1)
X10 - W1 Main Wiring Harness to V3 Diode (SE2, W1)
X11 - W1 Main Wiring Harness to V4 Diode (SE2, W1)
X12 - W1 Main Wiring Harness to V5 Diode (SE2, W1)
X13 - W1 Main Wiring Harness to V6 Diode (SE2, W1)
X14 - W1 Main Wiring Harness to V7 Diode (SE2, W1)
X15 - W1 Main Wiring Harness to V8 Diode (SE2, W1)
X16 - W1 Main Wiring Harness to S3 Light Switch (SE3, W1; SE4, W1)
X17 - W1 Main Wiring Harness to N1 Voltage Regulator (SE3, W1)
X18 - W1 Main Wiring Harness to G2 Alternator (SE3, W1)

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X19 - W1 Main Wiring Harness to W5 Control Panel Wiring Harness (SE3, W1; SE4, W1, SE5, W1)

X20 - W1 Main Wiring Harness to E1 Right Head Light (SE5, W1)

X21 - W1 Main Wiring Harness to E2 Left Head Light (SE5, W1)

X22 - W1 Main Wiring Harness to E3 Left Hazard/Turn Light (SE5, W1)

X23 - W1 Main Wiring Harness to E4 Tail Light (SE5, W1)

X24 - W1 Main Wiring Harness to W2 Rear Wiring Harness (SE5, W1)

X25 - W1 Main Wiring Harness to E5 Right Hazard/Turn Light (SE5, W1)

X26 - W1 Main Wiring Harness to Y3 PTO Solenoid (SE5, W2)

X27 - W1 Main Wiring Harness to E6 Work Light (SE5, W1)

Wiring Harnesses:

W1 - Main Wiring Harness

W2 - Rear Wiring Harness

W3 - Battery Cable Wiring Harness

W4 - Power Supply Wiring Harness

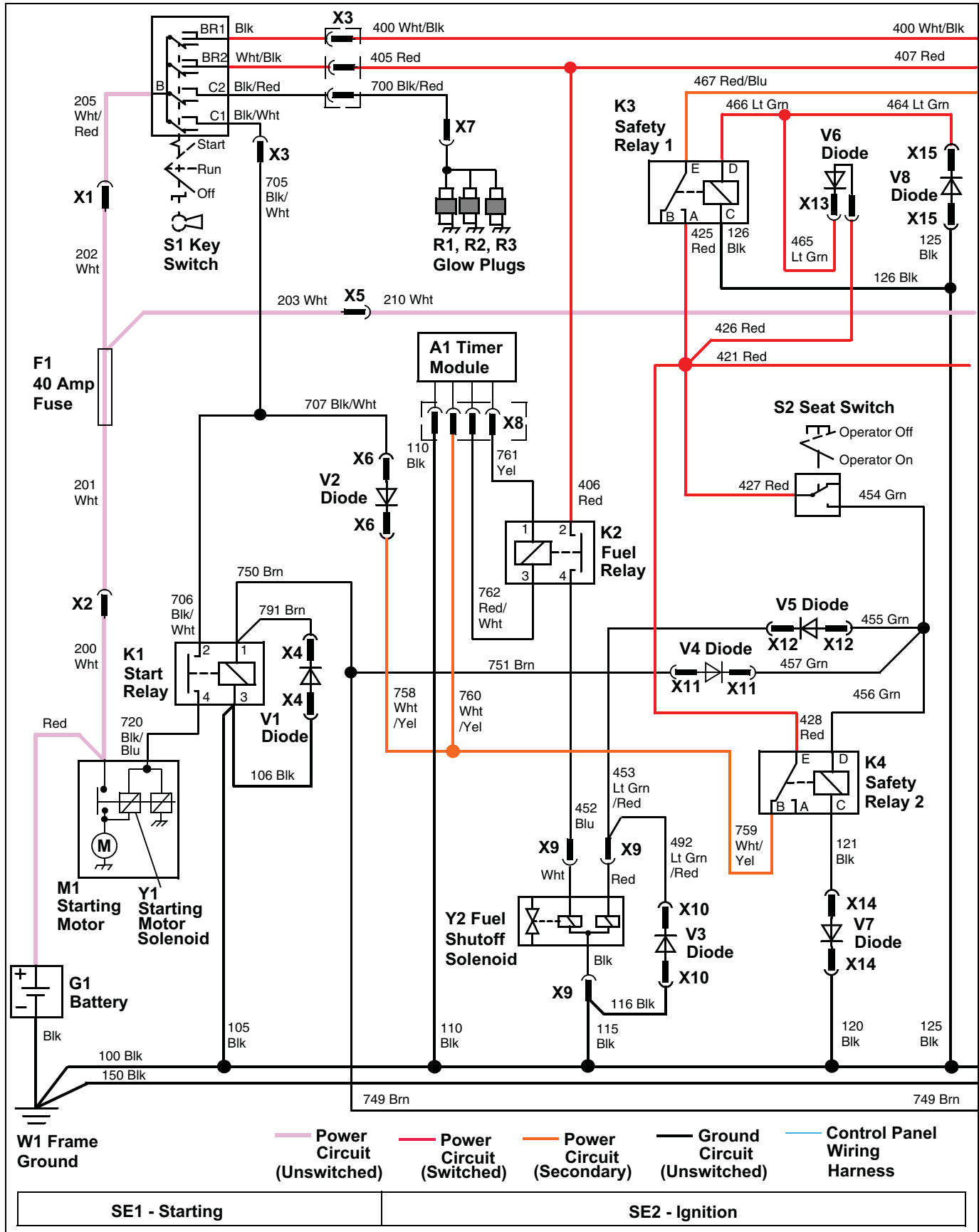
W5 - Control Panel Wiring Harness

W6 - Engine Wiring Harness

W7 - Fuel Shutoff Solenoid Wiring Harness

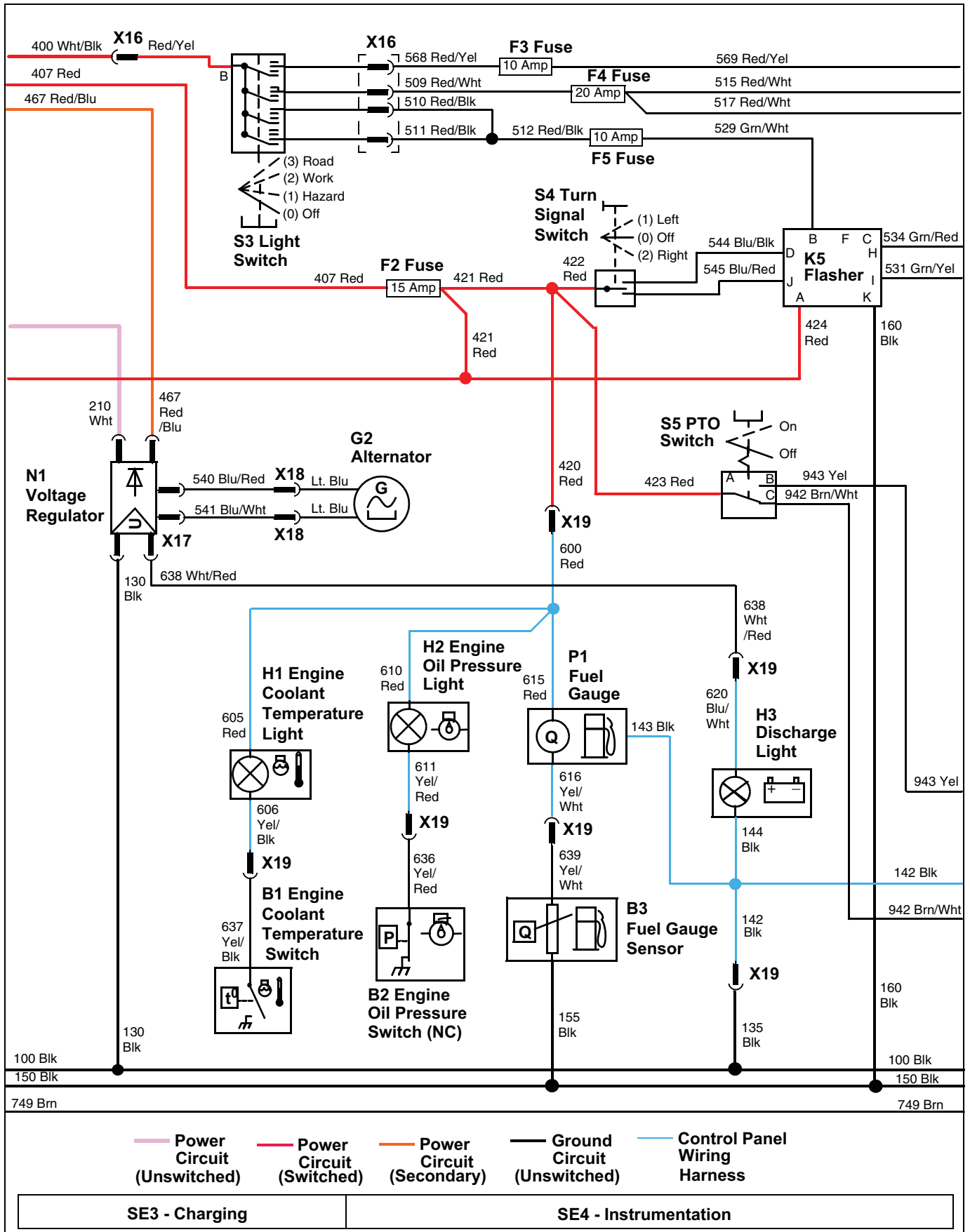
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Electrical Schematic



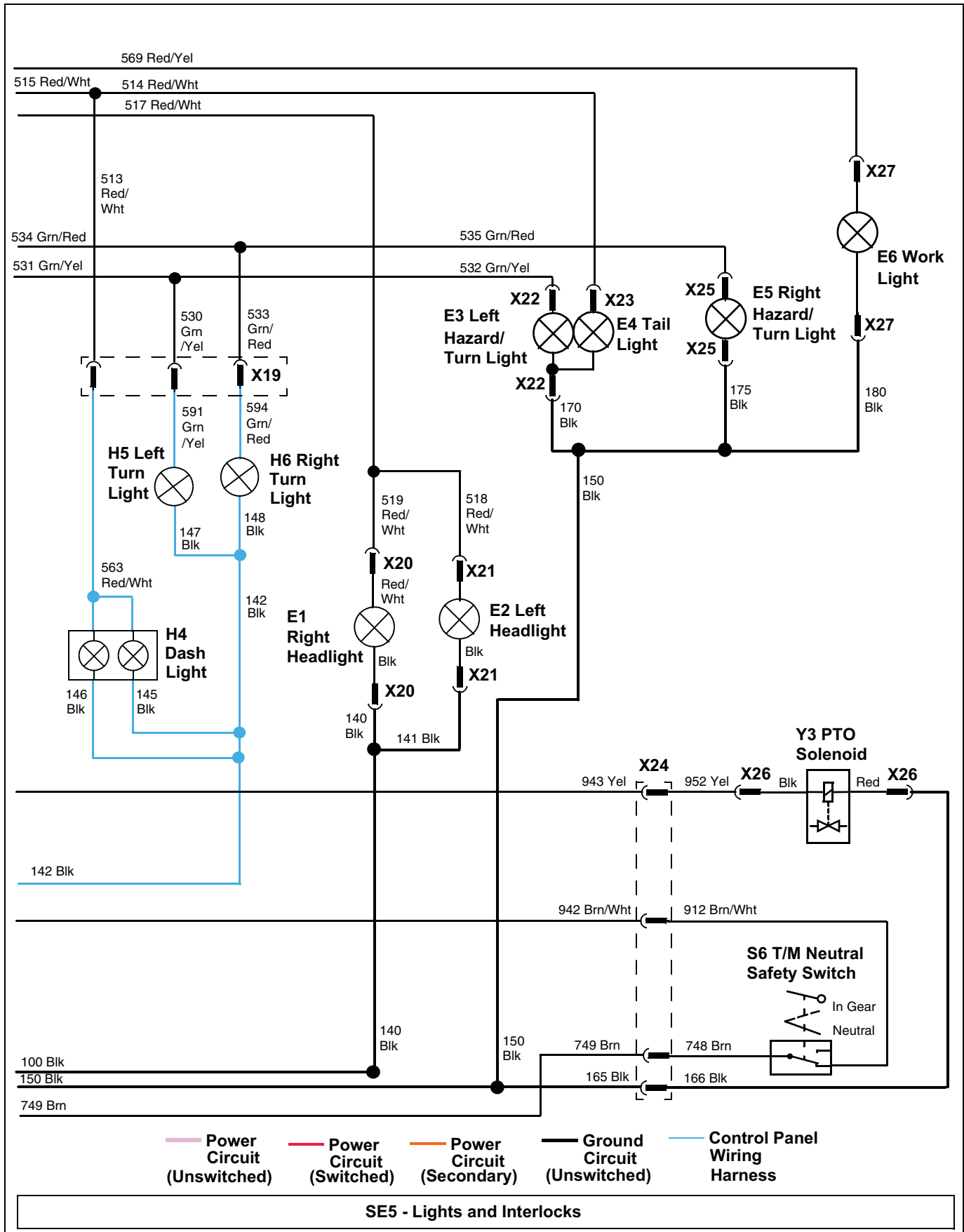
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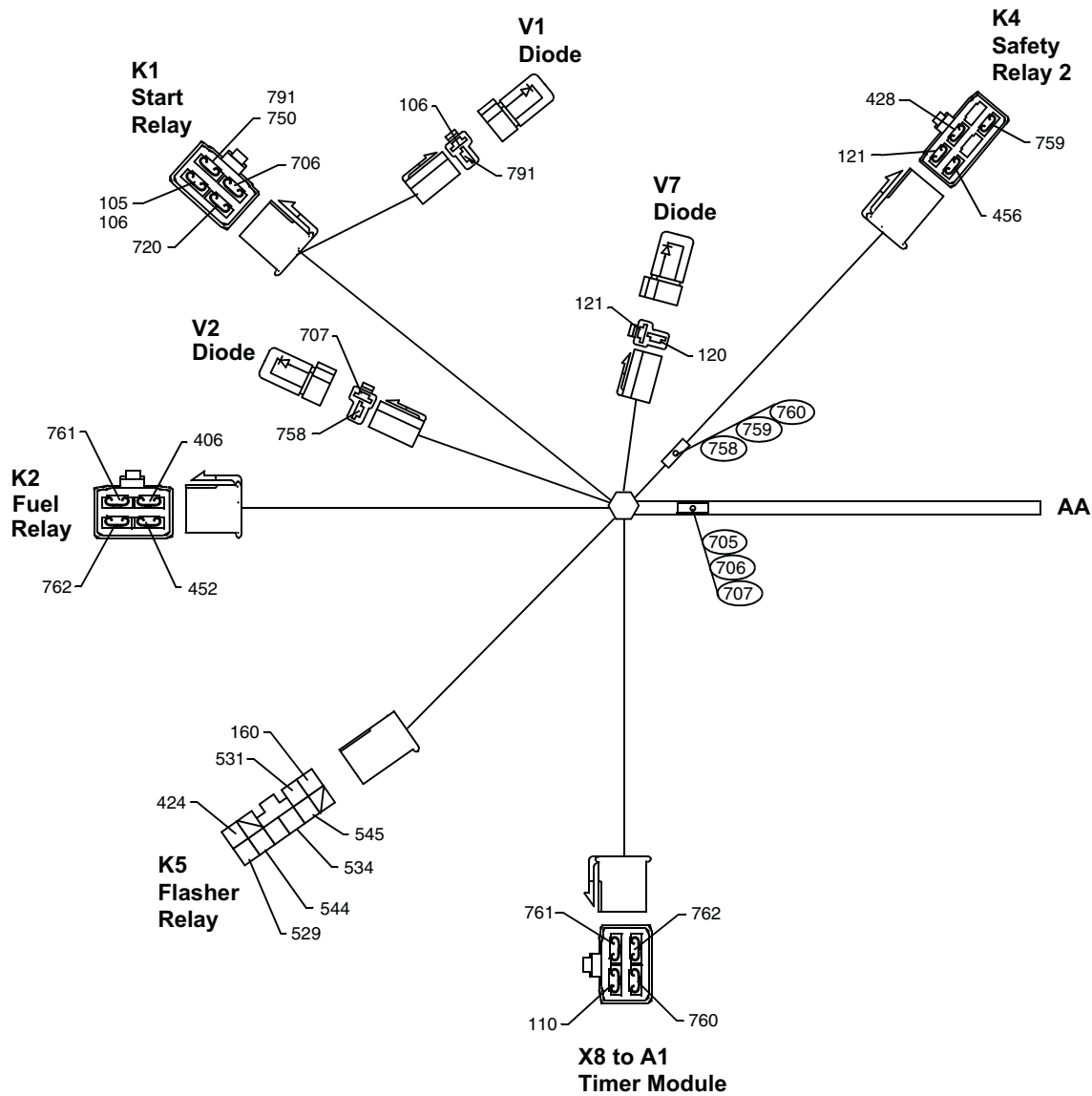
ELECTRICAL SYSTEM SCHEMATICS



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ELECTRICAL SYSTEM SCHEMATICS

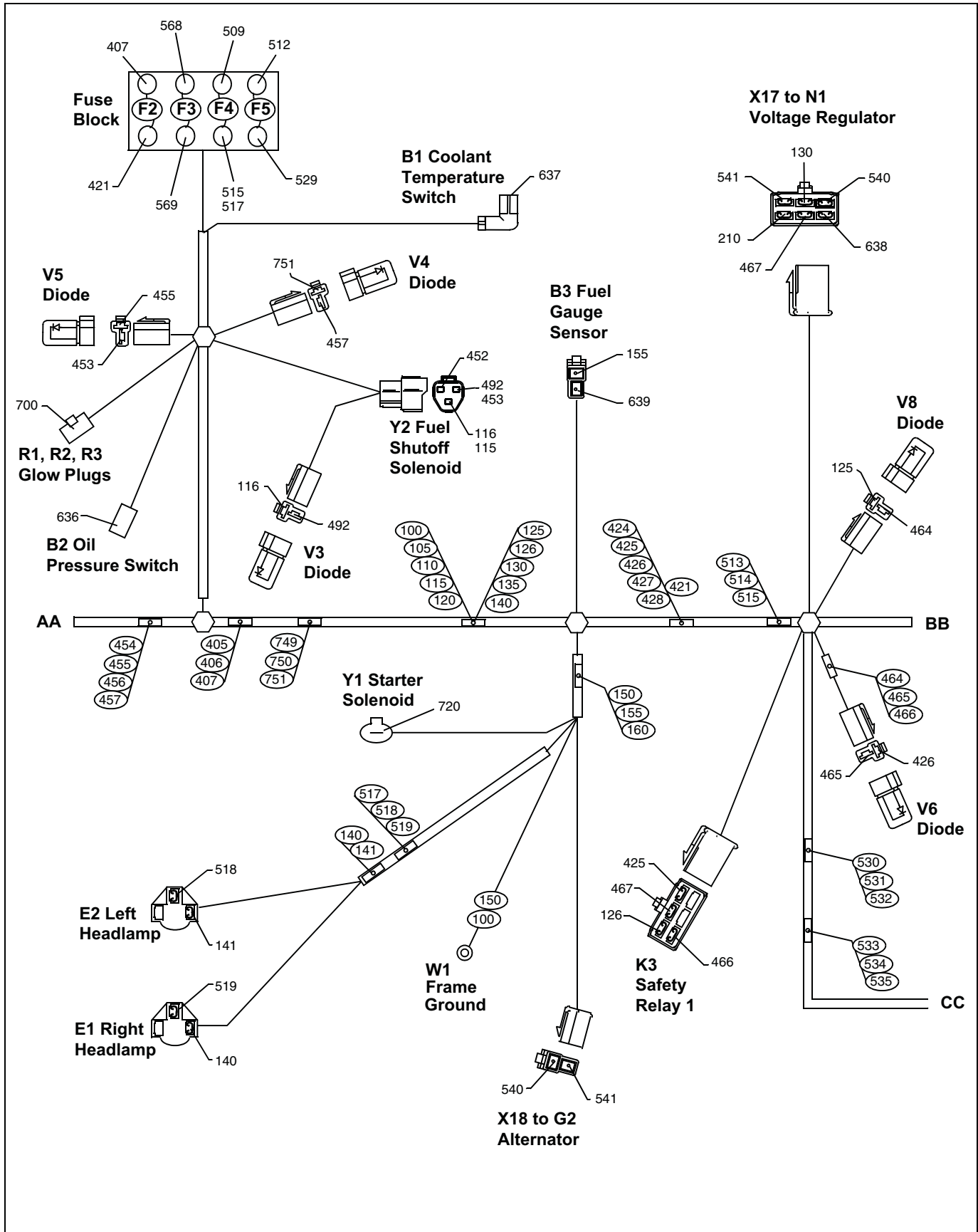
W1 Main Wiring Harness (1 of 3)



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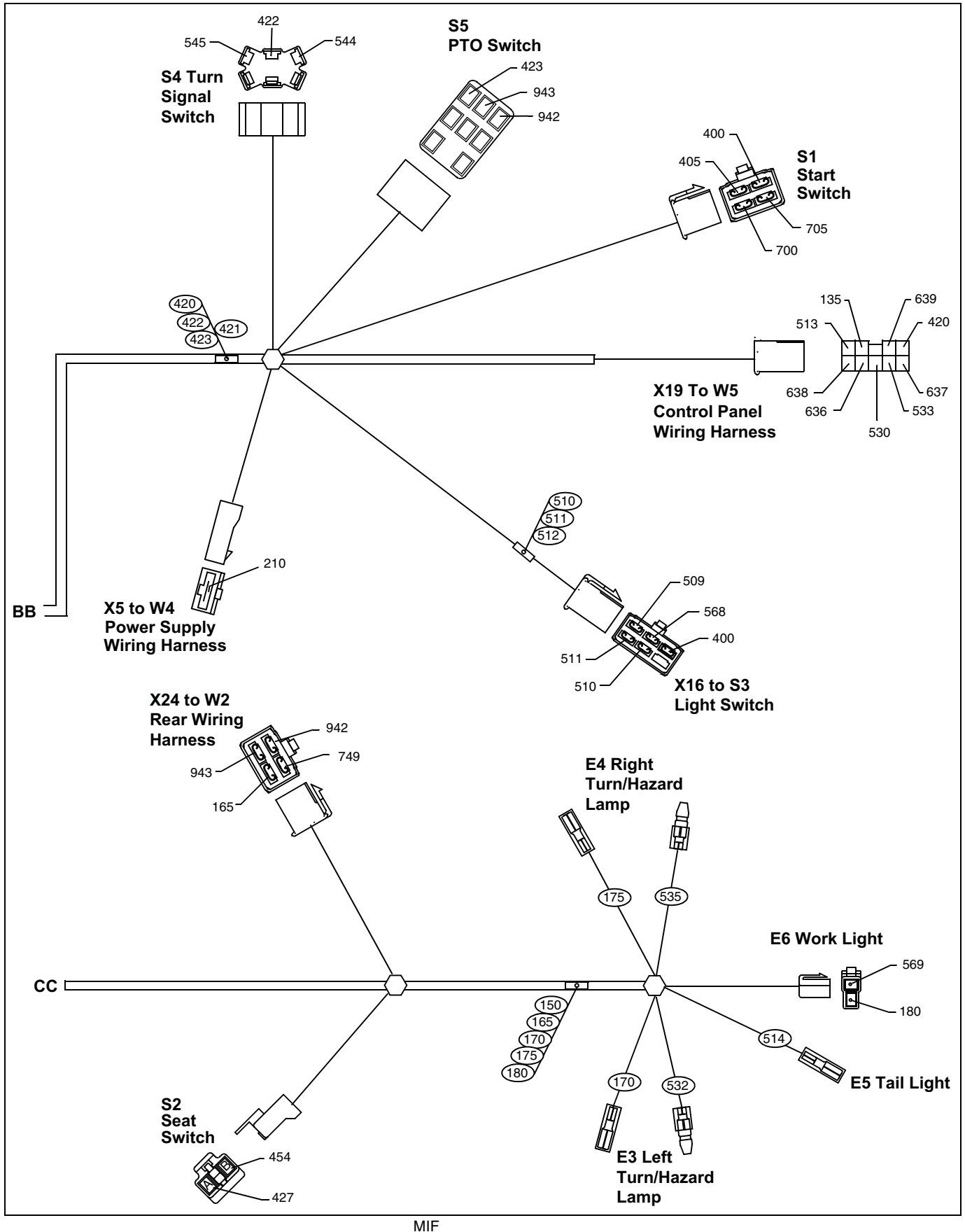
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W1 Main Wiring Harness (2 of 3)



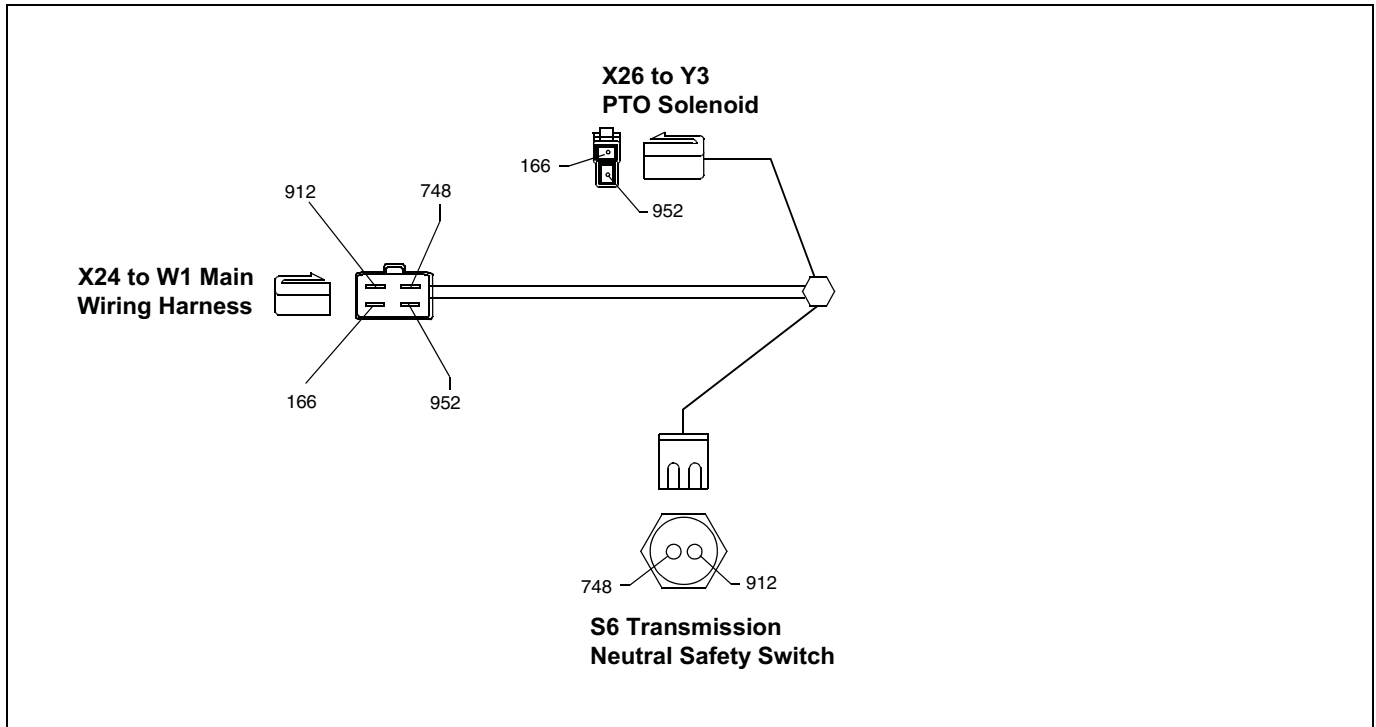
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W1 Main Wiring Harness (3 of 3)

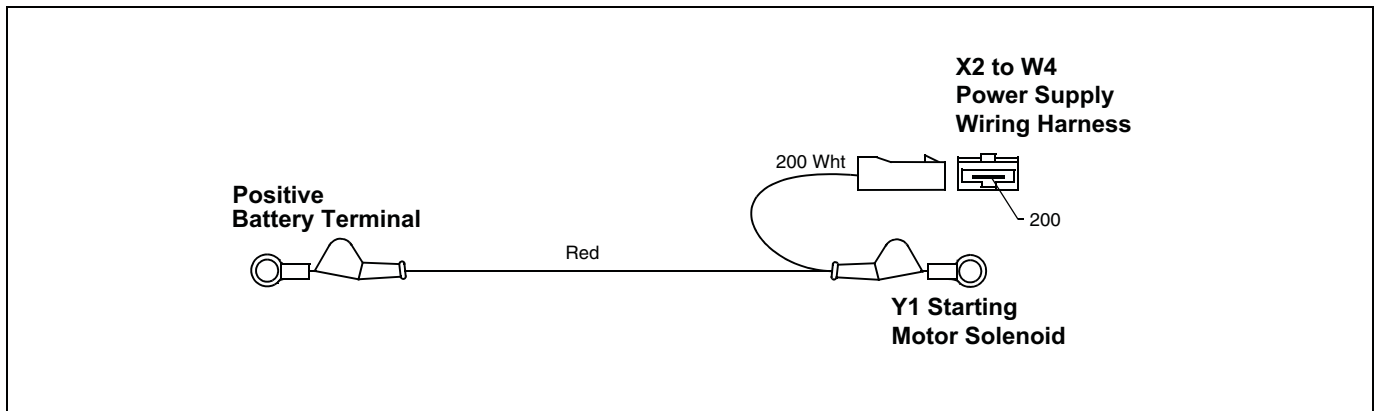


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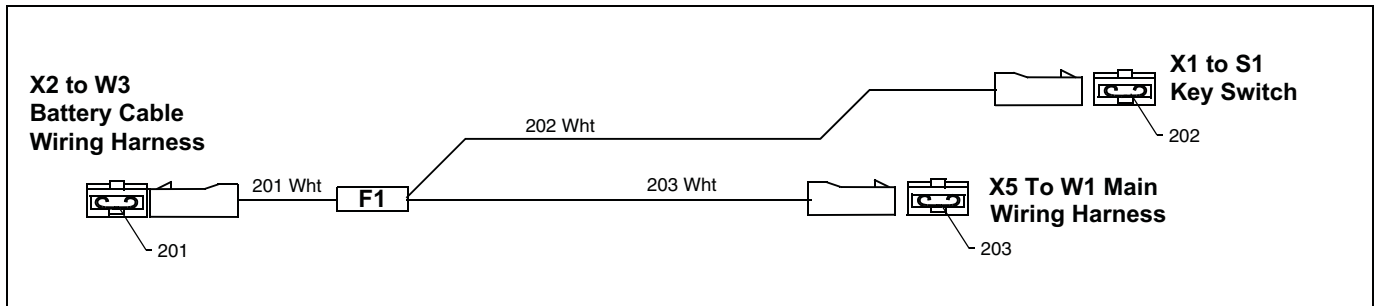
W2 Rear Wiring Harness



W3 Battery Cable Wiring Harness

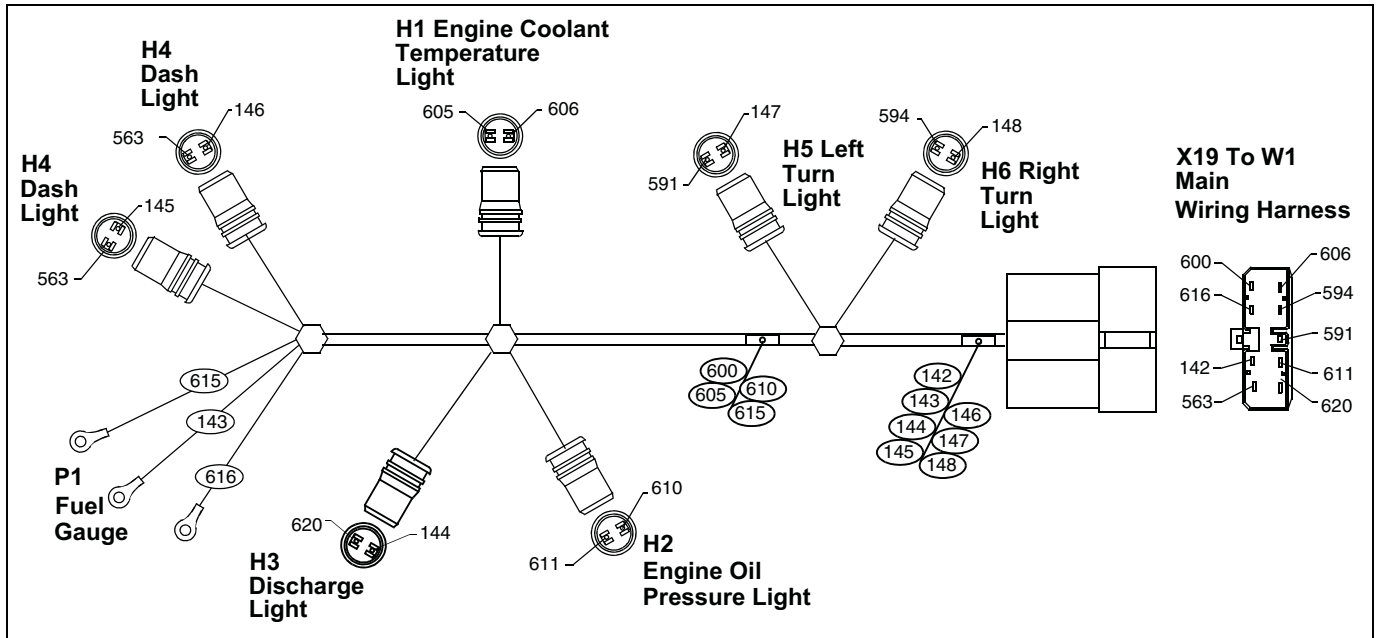


W4 Power Supply Wiring Harness



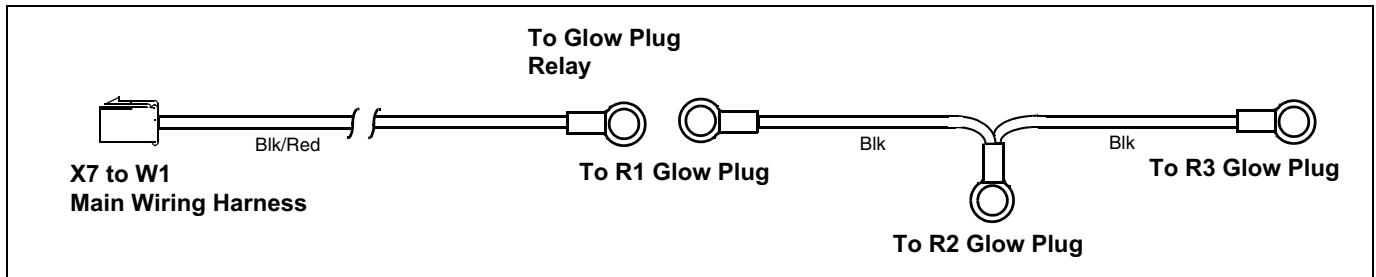
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W5 Control Panel Wiring Harness



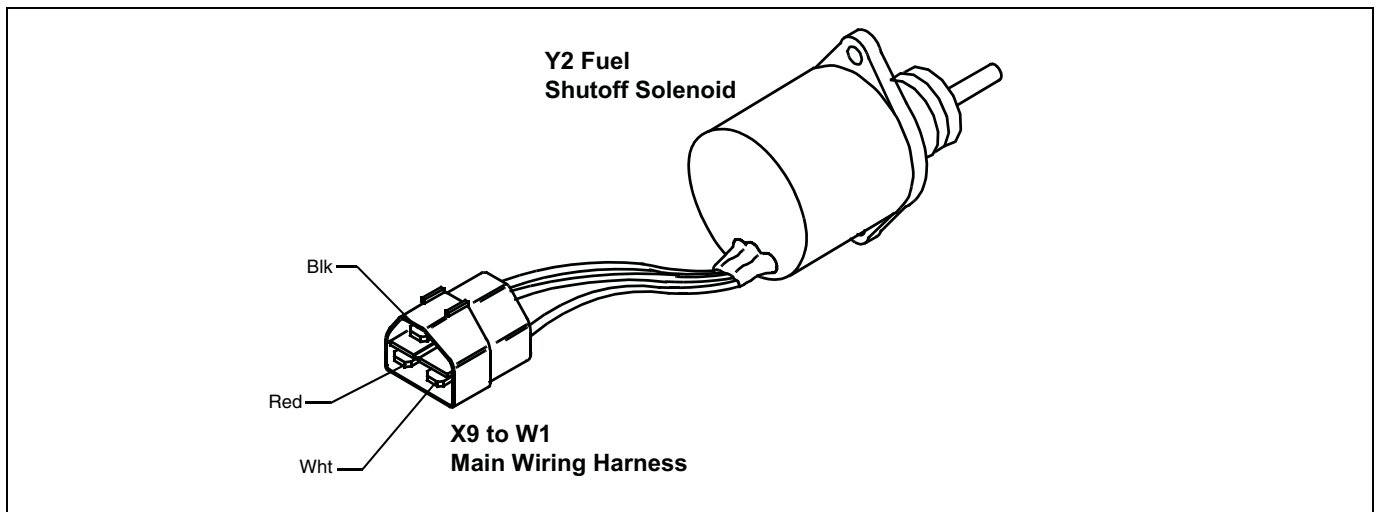
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W6 Engine Wiring Harness



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W7 Fuel Shutoff Solenoid Wiring Harness



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ELECTRICAL SYSTEM SCHEMATICS

W1 Main Wiring Harness Color Codes

Size/No./Color	Wire Connection Points	Size/No./Color	Wire Connection Points
		0.5 425 Red	Splice, K3
3.0 100 Blk	W1, Splice	0.5 426 Red	Splice, V6
0.5 105 Blk	Splice, K1	0.5 427 Red	Splice, S2
0.5 106 Blk	K1, V1	0.5 428 Red	Splice, K4
0.5 110 Blk	Splice, X8	3.0 452 Blu	K2, X9
3.0 115 Blk	Splice, X9	0.5 453 Lt Grn/Red	V5, X9
0.5 116 Blk	X9, V3	0.5 454 Grn	S2, Splice
0.5 120 Blk	Splice, V7	0.5 455 Grn	Splice, V5
0.5 121 Blk	V7, K4	0.5 456 Grn	Splice, K4
0.5 125 Blk	Splice, V8	0.5 457 Grn	Splice, V4
0.5 126 Blk	Splice, K3	0.5 464 Lt Grn	V8, Splice
2.0 130 Blk	Splice, N1	0.5 465 Lt Grn	V6, Splice
0.5 135 Blk	Splice, X19	0.5 466 Lt Grn	K3, Splice
1.25 140 Blk	Splice, Splice, E1	0.5 467 Red/Blu	K3, N1
1.25 141 Blk	Splice, E2	0.5 492 Lt Grn/Red	V3, X9
2.0 150 Blk	W1, Splice	2.0 509 Red/Wht	X16, F4
0.5 155 Blk	Splice, B3	0.8 510 Red/Blk	X16, Splice
0.8 160 Blk	Splice, K5	0.8 511 Red/Blk	X16, Splice
0.5 165 Blk	Splice, X24	0.8 512 Red/Blk	Splice, F5
0.8 170 Blk	Splice, E3	0.5 513 Red/Wht	Splice, X19
0.8 175 Blk	Splice, E5	0.8 514 Red/Wht	Splice, X23
0.8 180 Blk	Splice, E6	0.8 515 Red/Wht	F4, Splice
3.0 210 Wht	X5, N1	2.0 517 Red/Wht	F4, Splice
2.0 400 Wht/Blk	X3, X16	1.25 518 Red/Wht	Splice, X21
3.0 405 Red	X3, Splice	1.25 519 Red/Wht	Splice, X20
3.0 406 Red	Splice, K2	0.8 529 Grn/Wht	F5, K5
2.0 407 Red	Splice, F2	0.5 530 Grn/Yel	X19, Splice
0.5 420 Red	Splice, X19	0.8 531 Grn/Yel	Splice, K5
2.0 421 Red	F2, Splice, Splice	0.8 532 Grn/Yel	Splice, X22
0.8 422 Red	Splice, S4	0.5 533 Grn/Red	X19, Splice
0.5 423 Red	Splice, S5	0.8 534 Grn/Red	Splice, K5
0.5 424 Red	Splice, K5	0.8 535 Grn/Red	Splice, X25

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Size/No./Color Wire Connection Points

2.0 540 Blu/Red	N1, X18
2.0 541 Blu/Wht	N1, X18
0.8 544 Blu/Blk	S4, K5
0.8 545 Blu/Red	S4, K5
0.8 568 Red/Yel	X16, F3
0.8 569 Red/Yel	F3, X27
0.5 636 Yel/Red	X19, B2
0.5 637 Yel/Blu	X19, B1
0.5 638 Wht/Red	N1, X19
0.5 639 Yel/Wht	X19, B3
3.0 700 Blk/Red	X3, X7
2.0 705 Blk/Wht	X3, Splice
2.0 706 Blk/Wht	Splice, K1
0.5 707 Blk/Wht	Splice, V2
2.0 720 Blk/Blu	K1, Y1
0.5 749 Brn	X24, Splice
0.5 750 Brn	Splice, K1
0.5 751 Brn	Splice, V4
0.5 758 Wht/Yel	V2, Splice
0.5 759 Wht/Yel	Splice, K4
0.5 760 Wht/Yel	Splice, A1
0.5 761 Yel	A1, K2
0.5 762 Red/Wht	A1, K2
0.5 791 Brn	K1, V1
0.5 942 Brn/Wht	S5, X24
0.5 943 Yel	S5, X24

W2 Rear Main Wiring Harness Color Codes

Size/No./Color	Wire Connection Points
0.5 166 Blk	X24, X26
0.5 748 Brn	X24, S6
0.5 912 Brn/Wht	X24, S6
0.5 952 Yel	X24, X26

W3 Battery Cable Wiring Harness Color Codes

Size/Color	Wire Connection Points
20.0 Red	G1, Y1
5.0 Wht	Y1, X2

W4 Power Supply Wiring Harness Color Codes

Size/No./Color	Wire Connection Points
5.0 201 Wht	X2, F1
3.0 202 Wht	F1, X1
5.0 203 Wht	F1, X5

W5 Control Panel Wiring Harness Color Codes

Size/No./Color	Wire Connection Points
0.5 142 Blk	X19, Splice
0.5 143 Blk	Splice, P1
0.5 144 Blk	Splice, H3
0.5 145 Blk	Splice, H4
0.5 146 Blk	Splice, H4
0.5 147 Blk	Splice, H5
0.5 148 Blk	Splice, H6
0.5 563 Red/Wht	X19, H4, H4
0.5 591 Grn/Yel	X19, H5
0.5 594 Grn/Red	X19, H6
0.5 600 Red	X19, Splice

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Size/No./Color	Wire Connection Points
0.5 605 Red	Splice, H1
0.5 606 Yel/Blk	H1, X19
0.5 610 Red	Splice, H2
0.5 611 Yel/Red	H2, X19
0.5 615 Red	Splice, P1
0.5 616 Red	P1, X19
0.5 620 Blu/Wht	X19, H3