



en Schematic Manual
NIGHT-LITE™ GR-SERIES

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NIGHT-LITE™ GR-SERIES CHAIN CONNECTION TABLE

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Tail Light Harness NL GR-Series Chain Schematic (1.1)	n/a	n/a	n/a	n/a
16/8 Tower Cord NL GR-Series Chain Schematic (1.2)	(1.3-1st)	(1.3-2nd)	(1.3-3rd)	n/a
Control System Wiring Schematic (1.3)	(1.2-1st)	(1.2-2nd)	(1.2-3rd)	n/a
16/8 Tower Cord NL GR-Series Chain International Schematic (1.4)	(1.5-1st)	(1.5-2nd)	(1.5-3rd)	n/a
Control System Wiring International Schematic (1.5)	(1.4-1st)	(1.4-2nd)	(1.4-3rd)	n/a

NIGHT-LITE™ GR-SERIES AIR-COOLED CONNECTION TABLE

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Tail Light Harness NL GR-Series Air-Cooled Diesel Schematic (2.1)	n/a	n/a	n/a	n/a
16/8 Tower Cord NLGR Air-Cooled KUH2S LED Schematic (2.2)	(2.4 or 2.10-4th)	n/a	n/a	n/a
16/8 Tower Cord NLGR Air-Cooled KUM1S LED Schematic (2.3)	(2.4 or 2.10-4th)	n/a	n/a	n/a
Deep Sea Harness NLGR Air-Cooled Schematic (2.4)	(2.6-1st)	(2.6-2nd)	(2.6-3rd)	(2.2 or 2.3-1st)

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Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Deep Sea Harness NLGR Air-Cooled International Schematic (2.5)	(2.6-1st)	(2.6-2nd)	(2.6-3rd)	(2.8 or 2.9-1st)

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
Deep Sea Harness NLGR Air-Cooled Schematic (2.4)	(2.7-1st)	n/a	n/a	n/a
Deep Sea Harness NLGR Air-Cooled International Schematic (2.5)	(2.8 or 2.9-1st)	(2.11-1st)	n/a	n/a

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Yanmar Engine Harness Schematic (2.6)	(2.4, 2.5, or 2.10-1st)	(2.4, 2.5, or 2.10-2nd)	(2.4, 2.5, or 2.10-3rd)	n/a
10/4 Generator Cord Schematic (2.7)	(2.4 or 2.10-5th)	n/a	n/a	n/a
16/8 Tower Cord NLGR Air-Cooled KUH2S LED International Schematic (2.8)	(2.5-4th)	(2.5-5th)	n/a	n/a
16/8 Tower Cord NLGR Air-Cooled KUM1S LED International Schematic (2.9)	(2.5-4th)	(2.5-5th)	n/a	n/a
Deep Sea Harness NLGR Air-Cooled Schematic Twistlock (2.10)	(2.6-1st)	(2.6-2nd)	(2.6-3rd)	(2.2 or 2.3-1st)

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NIGHT-LITE™ GR-SERIES AIR-COOLED CONNECTION TABLE (Continued)

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
Deep Sea Harness NLGR Air-Cooled Twistlock Schematic (2.10)	(2.7-1st)	n/a	n/a	n/a

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
International Generator Cord Schematic (2.11)	(2.5-6th)	n/a	n/a	n/a

NIGHT-LITE™ GR-SERIES LIQUID-COOLED CM CONNECTION TABLE

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Tail Light Harness NL GR-Series Liquid Cooled Schematic (3.1)	n/a	n/a	n/a	n/a
16/8 Tower Cord NLGR LC CM KUH2S LED Schematic Schematic (3.2)	(3.5-2nd)	n/a	n/a	n/a
16/8 Tower Cord NLGR LC 3kW KUH1S LED Schematic Schematic (3.3)	(3.5-2nd)	n/a	n/a	n/a
Kubota Z482 Engine Harness Schematic (3.4)	(3.5-1st)	n/a	n/a	n/a
Control Box Key Start NLGR LC CM Schematic (3.5)	(3.4-1st)	(3.2 or 3.3-1st)	(3.6-1st)	(3.7-1st)

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Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
NLGR LC CM Generator Cord Schematic (3.6)	(3.5-3rd)	n/a	n/a	n/a
SH1000 Electric Winch NLGR Schematic (3.7)	(3.5-4th)	n/a	n/a	n/a

NIGHT-LITE™ GR-SERIES LIQUID-COOLED 3kW CONNECTION TABLE

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Tail Light Harness NL GR-Series Liquid Cooled Schematic (4.1)	n/a	n/a	n/a	n/a
16/8 Tower Cord NLGR LC 3kW KUH2S LED Schematic Schematic (4.2)	(4.5-2nd)	n/a	n/a	n/a
16/8 Tower Cord NLGR LC 3kW KUM1S LED Schematic Schematic (4.3)	(4.5-2nd)	n/a	n/a	n/a
Kubota Z482 Engine Harness Schematic (4.4)	(4.5-1st)	(4.10-3rd)	n/a	n/a
Deep Sea Harness NLGR LC 3kW Schematic (4.5)	(4.4-1st)	(4.2 or 4.3-1st)	(4.6-1st)	(4.7-1st)

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NIGHT-LITE™ GR-SERIES LC 3kW CONNECTION TABLE (Continued)

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
Deep Sea Harness NLGR LC 3kW Schematic (4.5)	(4.8-1st)	(4.9-1st)	(4.10-1st)	(4.10-2nd)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
10/3 Generator Cord Schematic (4.6)	(4.5-3rd or 3.7-2nd)	n/a	n/a	n/a
Light Relays and GFCI NLGR LC 3kW Schematic (4.7)	(4.5-4th)	(4.6-1st)	n/a	n/a
Heated Fuel Water Separator Schematic (4.8)	(4.5-5th)	n/a	n/a	n/a
SH1000 Electric Winch NLGR Schematic (4.9)	(4.5-6th)	n/a	n/a	n/a
PacBrake Air Valve Harness Schematic (4.10)	(4.5-7th)	(4.5-8th)	(4.4-2nd)	n/a

NIGHT-LITE™ GR-SERIES LIQUID-COOLED 6kW CONNECTION TABLE

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Tail Light Harness NL GR-Series Liquid Cooled Schematic (5.1)	n/a	n/a	n/a	n/a

NIGHT-LITE™ GR-SERIES LC 6kW CONNECTION TABLE (Continued)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
16/8 Tower Cord NLGR LC 3kW KUH2S LED Schematic Schematic (5.2)	(5.6-5th or 5.11 1st)	n/a	n/a	n/a
16/8 Tower Cord NLGR LC 3kW KUM1S LED Schematic Schematic (5.3)	(5.6-5th or 5.11 1st)	n/a	n/a	n/a
Kubota D1005 Engine Harness Schematic (5.4)	(5.6 or 5.14-1st)	(5.6 or 5.14-2nd)	(5.6 or 5.14-3rd)	(5.6-4th)
CAT/Perkins 1.1 Engine Harness Schematic (5.5)	(5.6 or 5.14-1st)	(5.6 or 5.14-2nd)	(5.6 or 5.14-3rd)	(5.6-4th)
Deep Sea Harness NLGR LC 6kW Schematic (5.6)	(5.4 or 5.5-1st)	(5.4 or 5.5-2nd)	(5.4 or 5.5-3rd)	(5.4 or 5.5-4th)

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
Deep Sea Harness NLGR LC 6kW Schematic (5.6)	(5.2 or 5.3-1st)	(5.7-1st)	(5.9-1st)	(5.10-1st)

Schematic Page	9th Connection Page(s)	10th Connection Page(s)	11th Connection Page(s)	12th Connection Page(s)
Deep Sea Harness NLGR LC 6kW Schematic (5.6)	(5.8-1st)	n/a	n/a	n/a

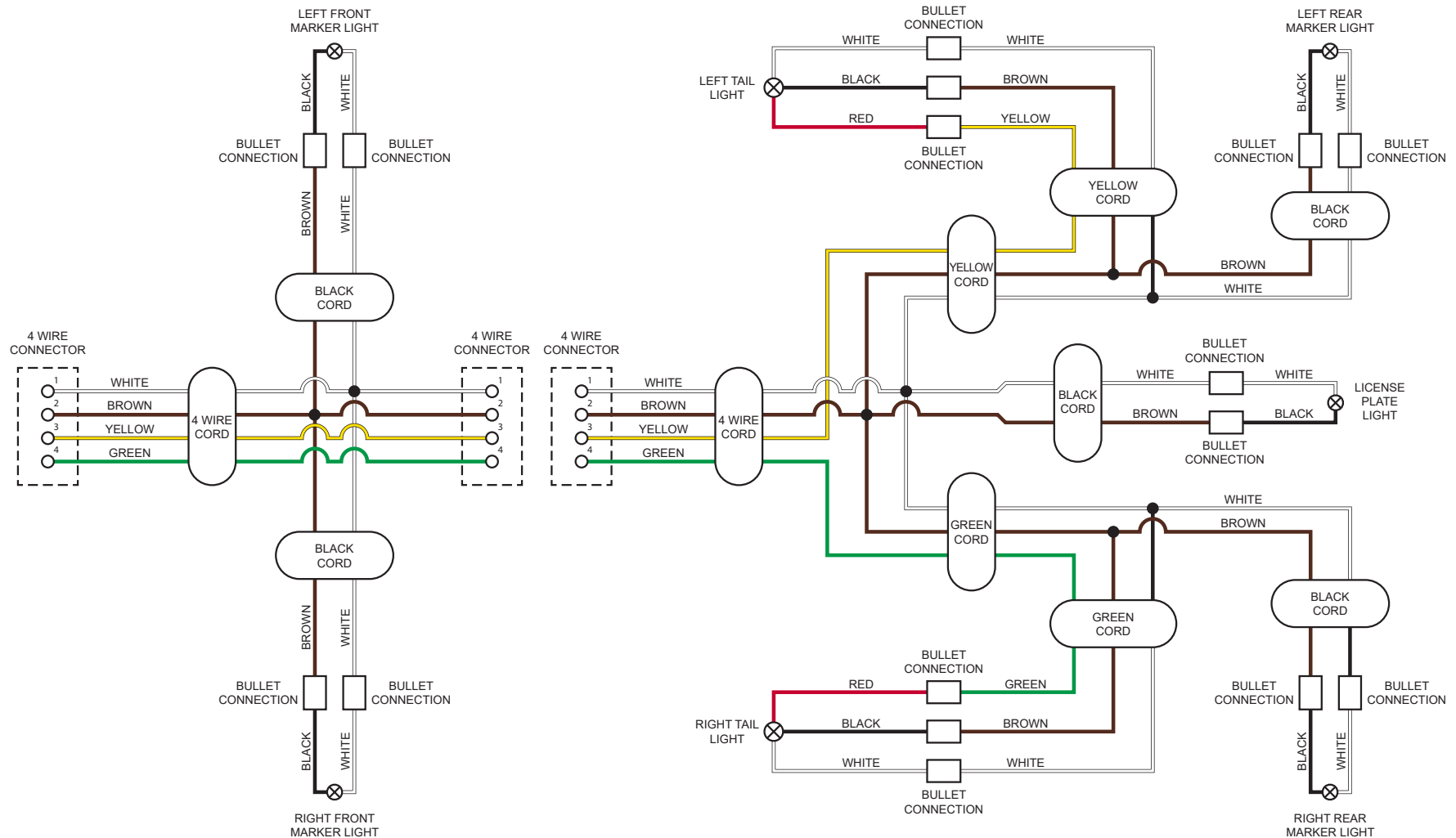
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NIGHT-LITE™ GR-SERIES LC 6kW CONNECTION TABLE (Continued)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
8/4 Generator Cord Schematic (5.7)	(5.6-6th or 5.8-2nd or 5.11-1st)	n/a	n/a	n/a
Light Relays and Outlets NLGR LC 6kW Schematic (5.8)	(5.6-9th)	(5.7-1st)	n/a	n/a
Heated Fuel Water Separator Schematic (5.9)	(5.6-7th)	n/a	n/a	n/a
SH1000 Electric Winch NLGR Schematic (5.10)	(5.6-8th)	n/a	n/a	n/a
4 LED Lights 4 Relays Schematic (5.11)	(5.2 or 5.3-1st)	(5.7-1st)	(5.14-4th)	n/a
Fuel / Hour Gauge Schematic (5.12)	(5.14-6th)	(5.14-7th)	n/a	n/a
Engine Run SLS Relay Schematic (5.13)	(5.7-1st)	(5.14-5th)	(5.14-6th)	n/a
Chief PDM and SLS Harness Schematic (5.14)	(5.4 or 5.5-1st)	(5.4 or 5.5-2nd)	(5.4 or 5.5-3rd)	(5.11-3rd)

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
Chief PDM and SLS Harness Schematic (5.14)	(5.13-2nd)	(5.13-3rd or 5.12-1st)	(5.12-2nd)	n/a

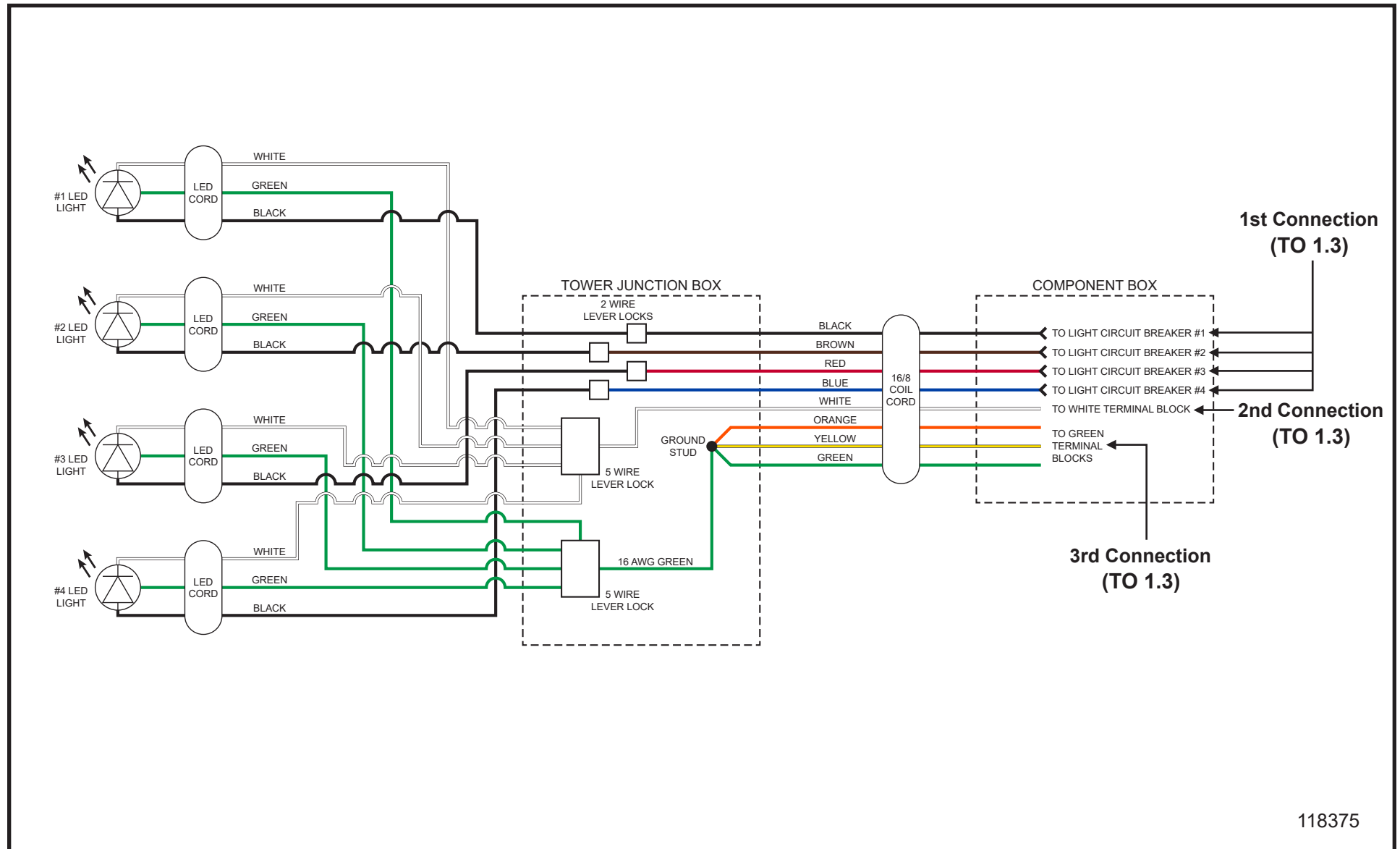
1.1 - Tail Light Harness NL GR-Series Chain Schematic



118377

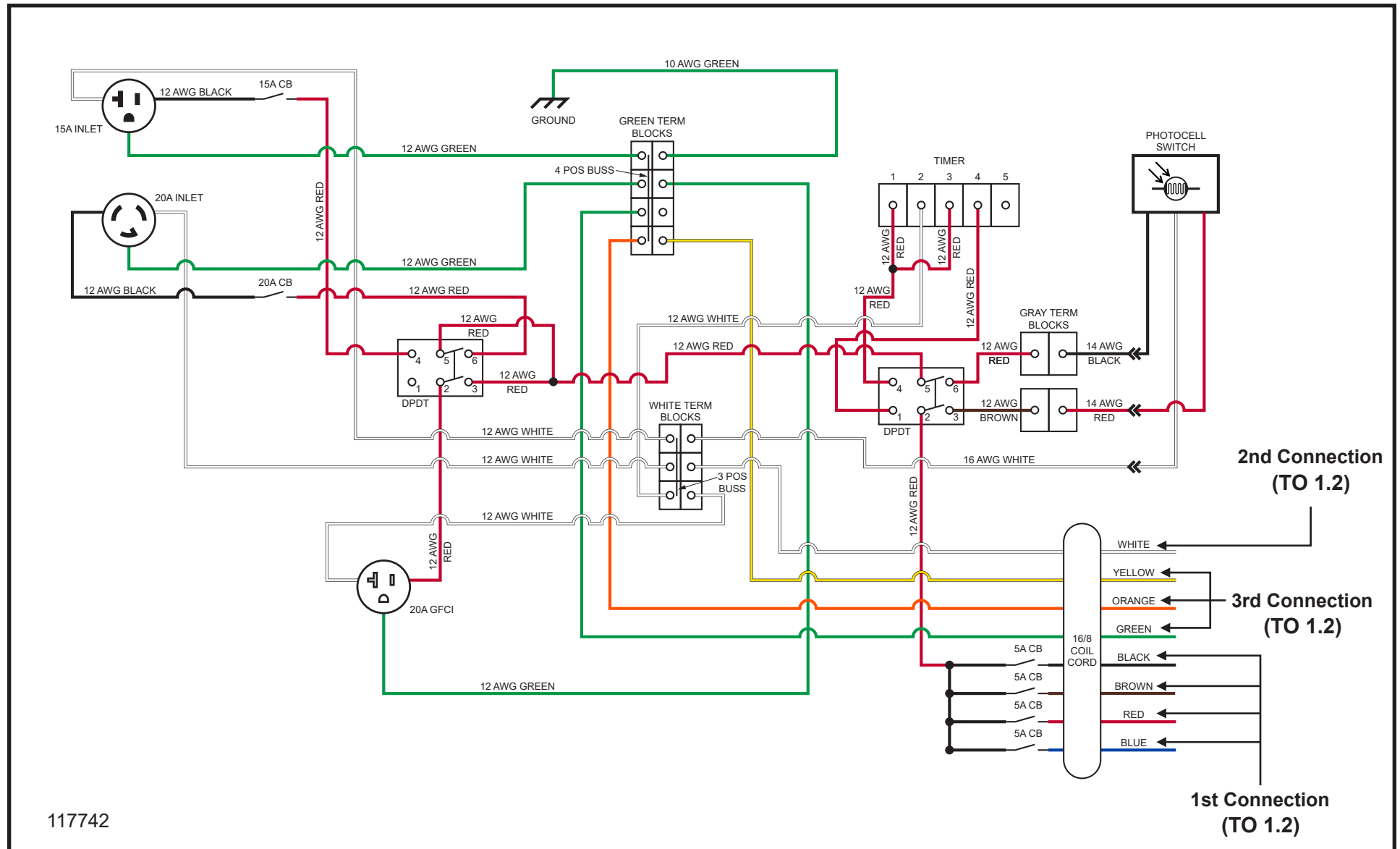
NIGHT-LITE™ GR-SERIES

1.2 - 16/8 Tower Cord NL GR-Series Chain Schematic



118375

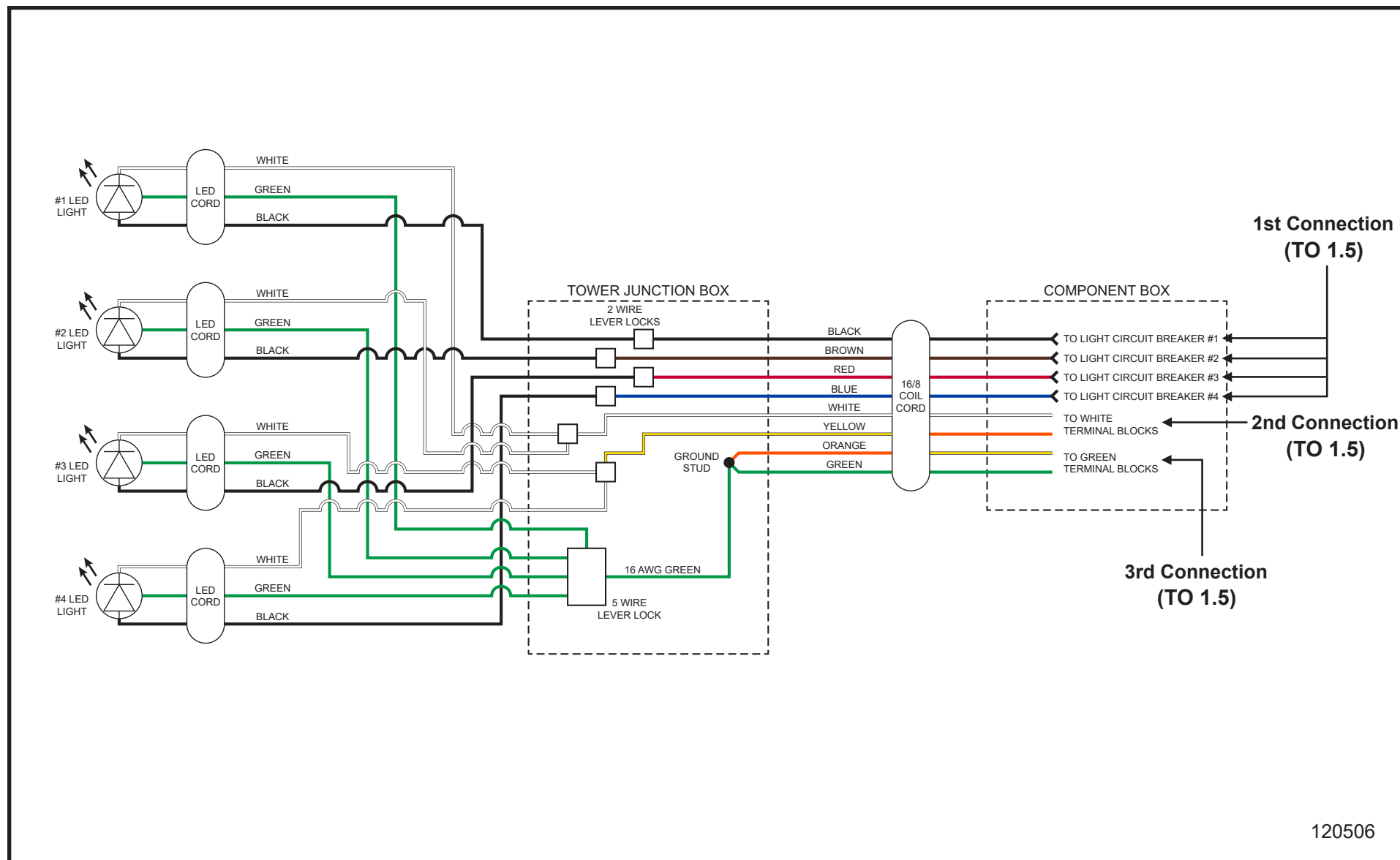
1.3 - Control System Wiring Schematic



117742

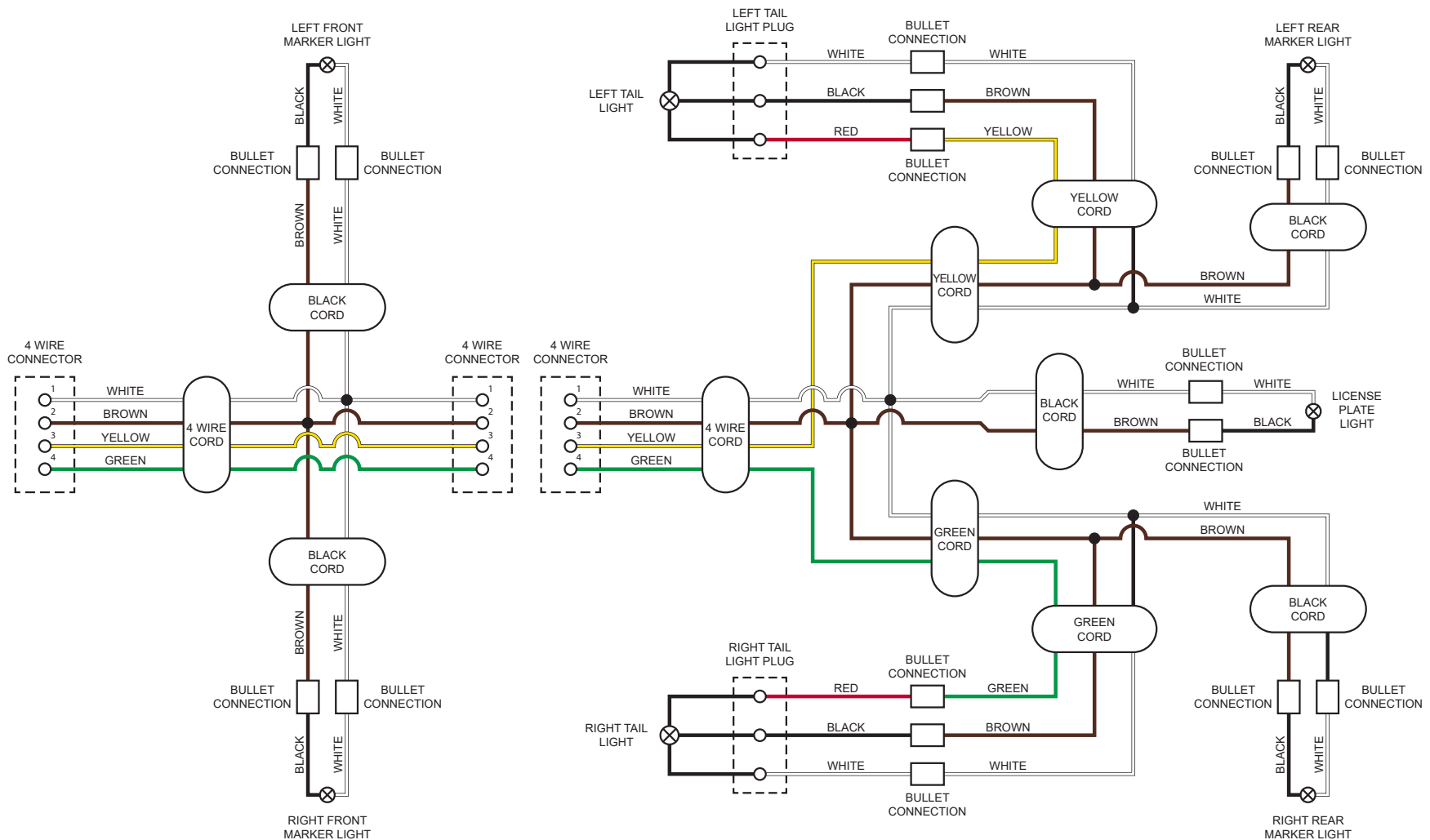
NIGHT-LITE™ GR-SERIES

1.4 - 16/8 Tower Cord NL GR-Series Chain International Schematic



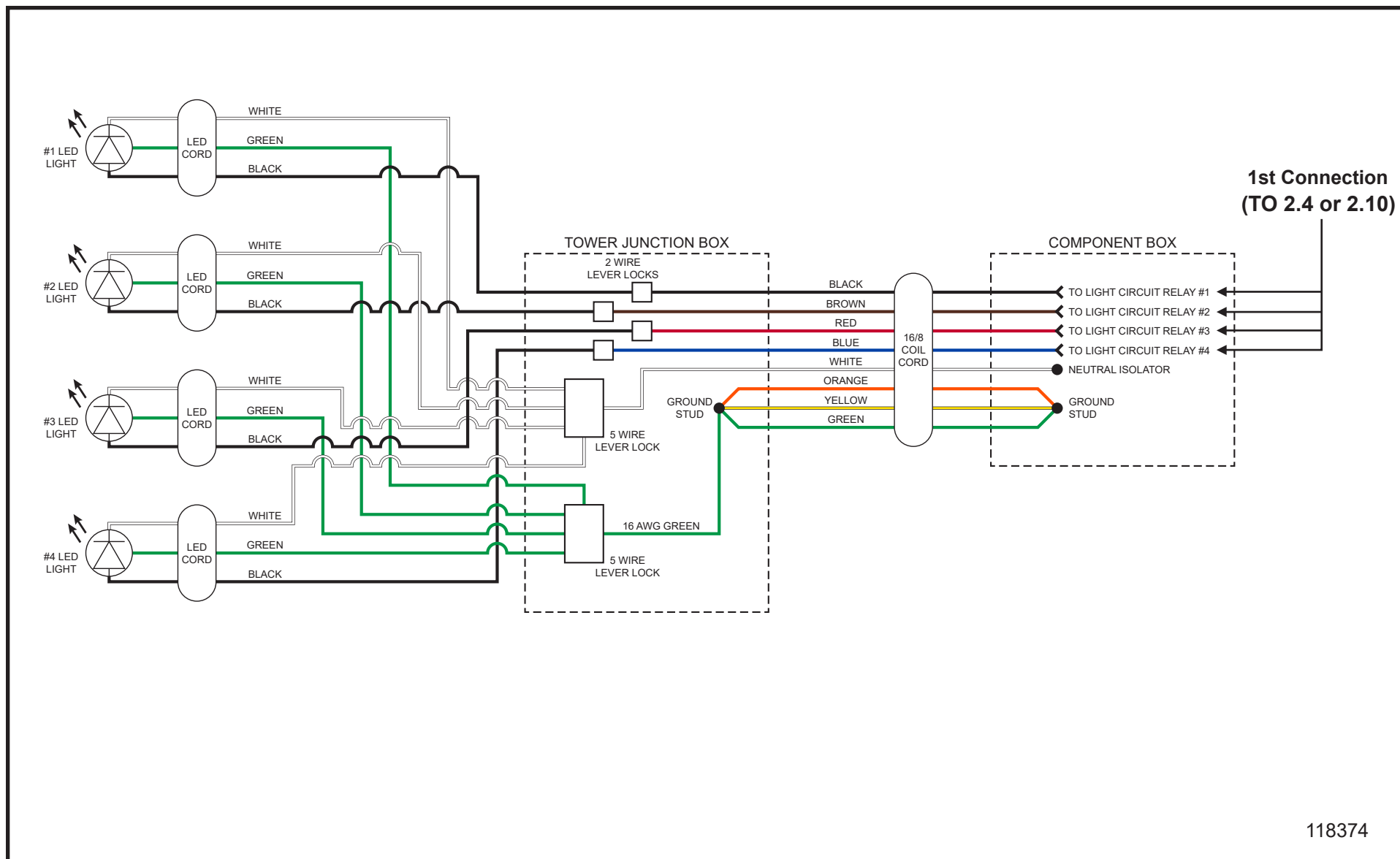
NIGHT-LITE™ GR-SERIES

2.1 - Tail Light Harness NL GR-Series Air-Cooled Schematic



118378

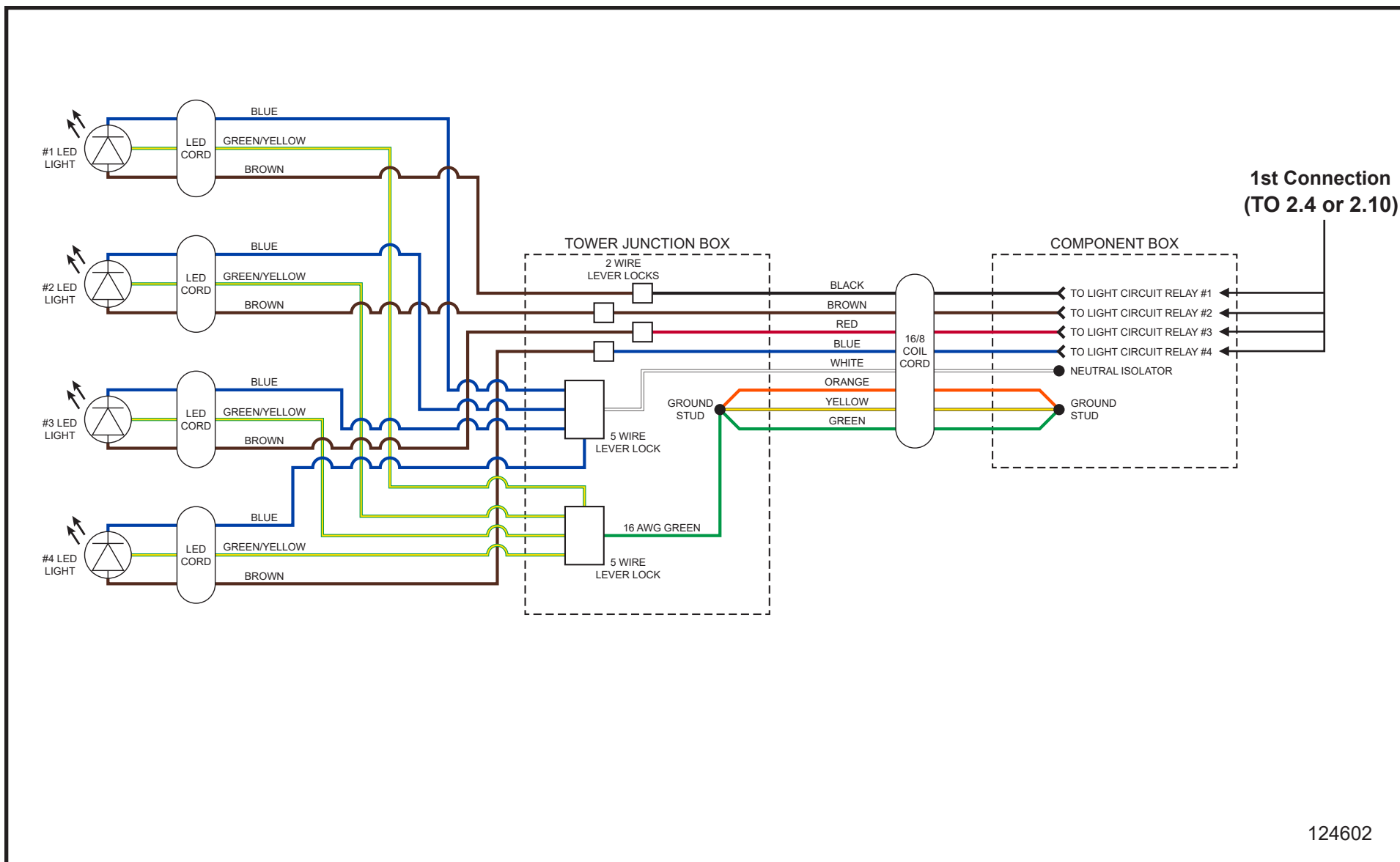
2.2 - 16/8 Tower Cord NLGR Air-Cooled KUH2S LED Schematic



118374

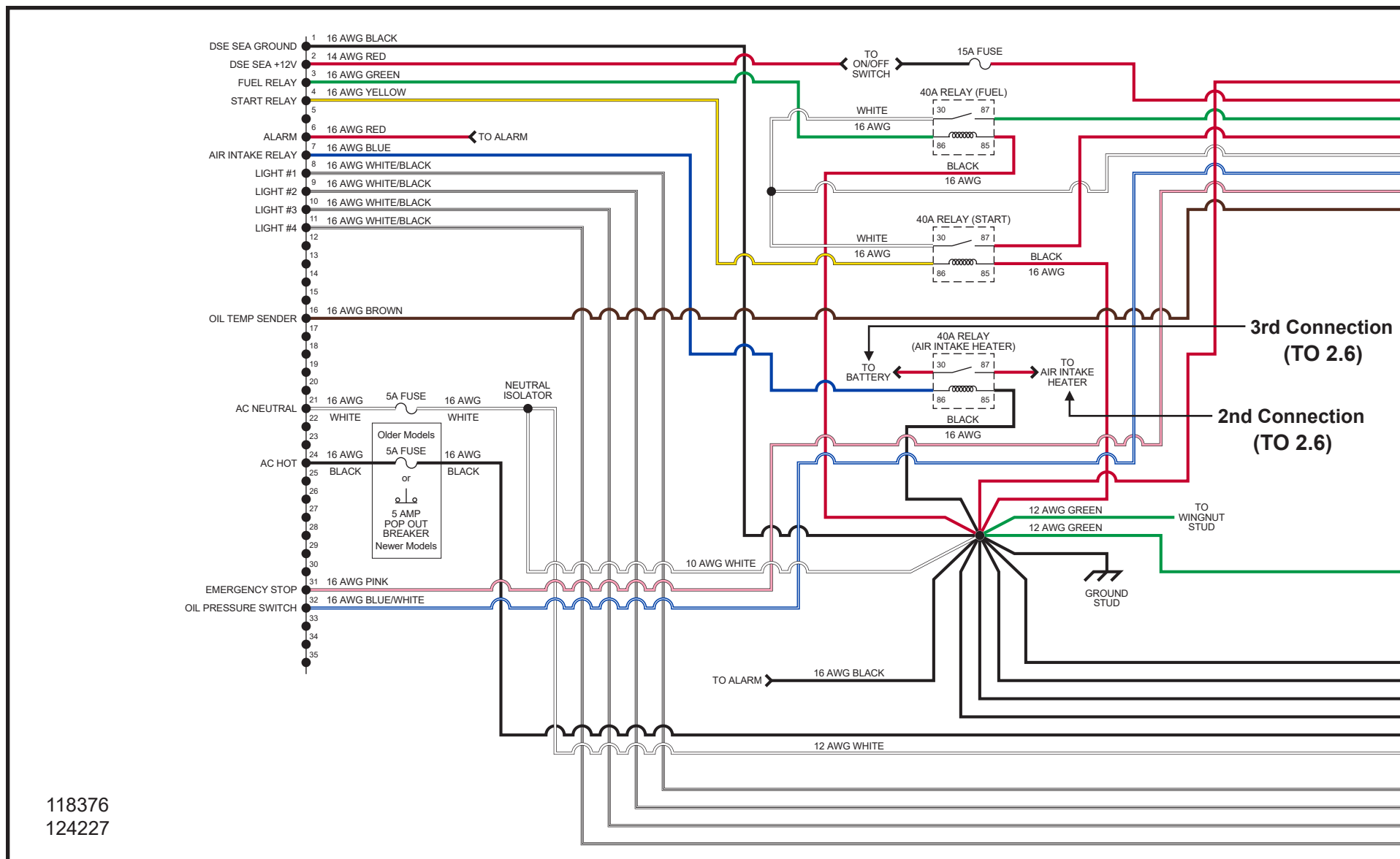
NIGHT-LITE™ GR-SERIES

2.3 - 16/8 Tower Cord NLGR Air-Cooled KUM1S LED Schematic



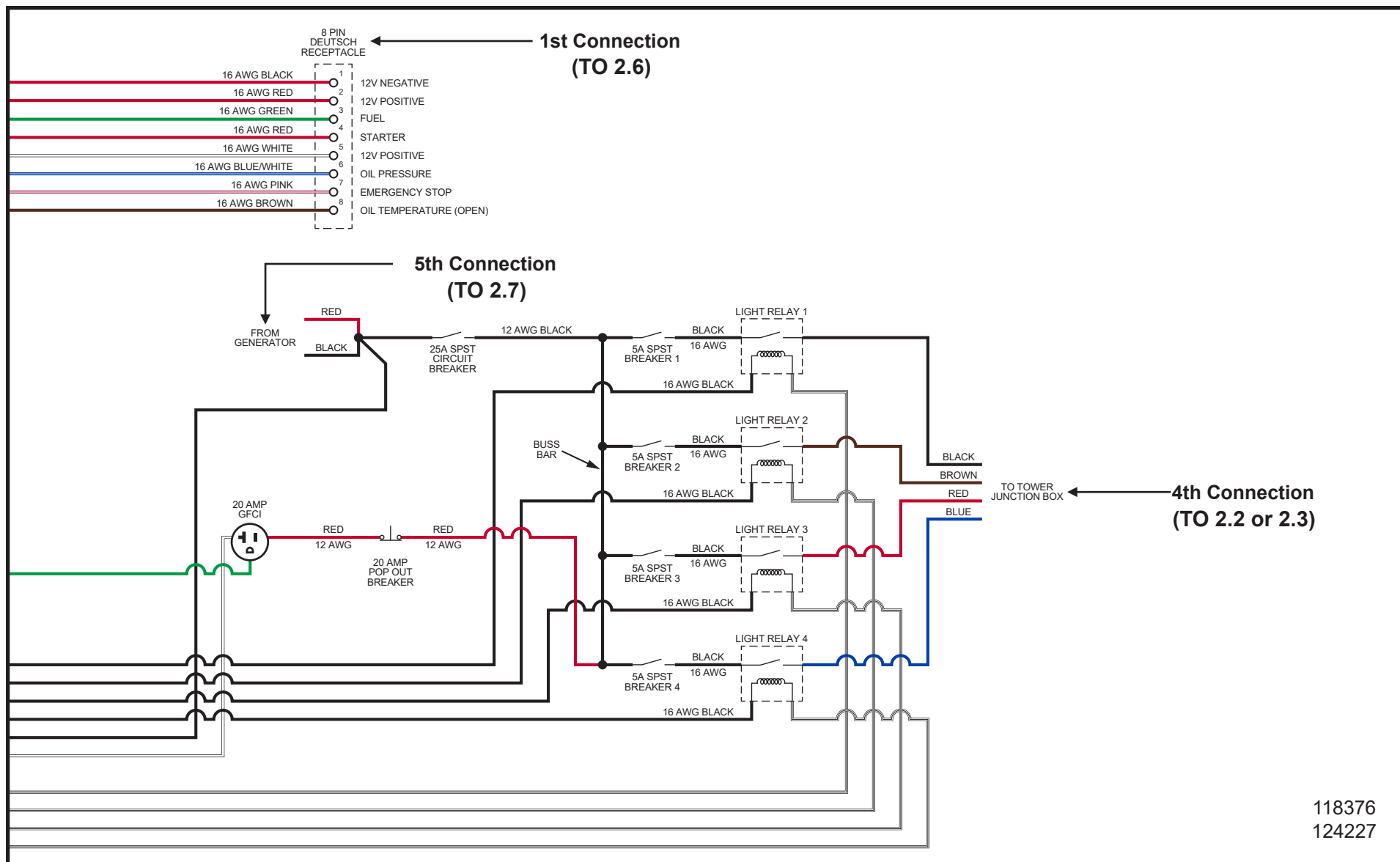
124602

2.4 - Deep Sea Harness NLGR Air-Cooled Schematic (1 of 2)

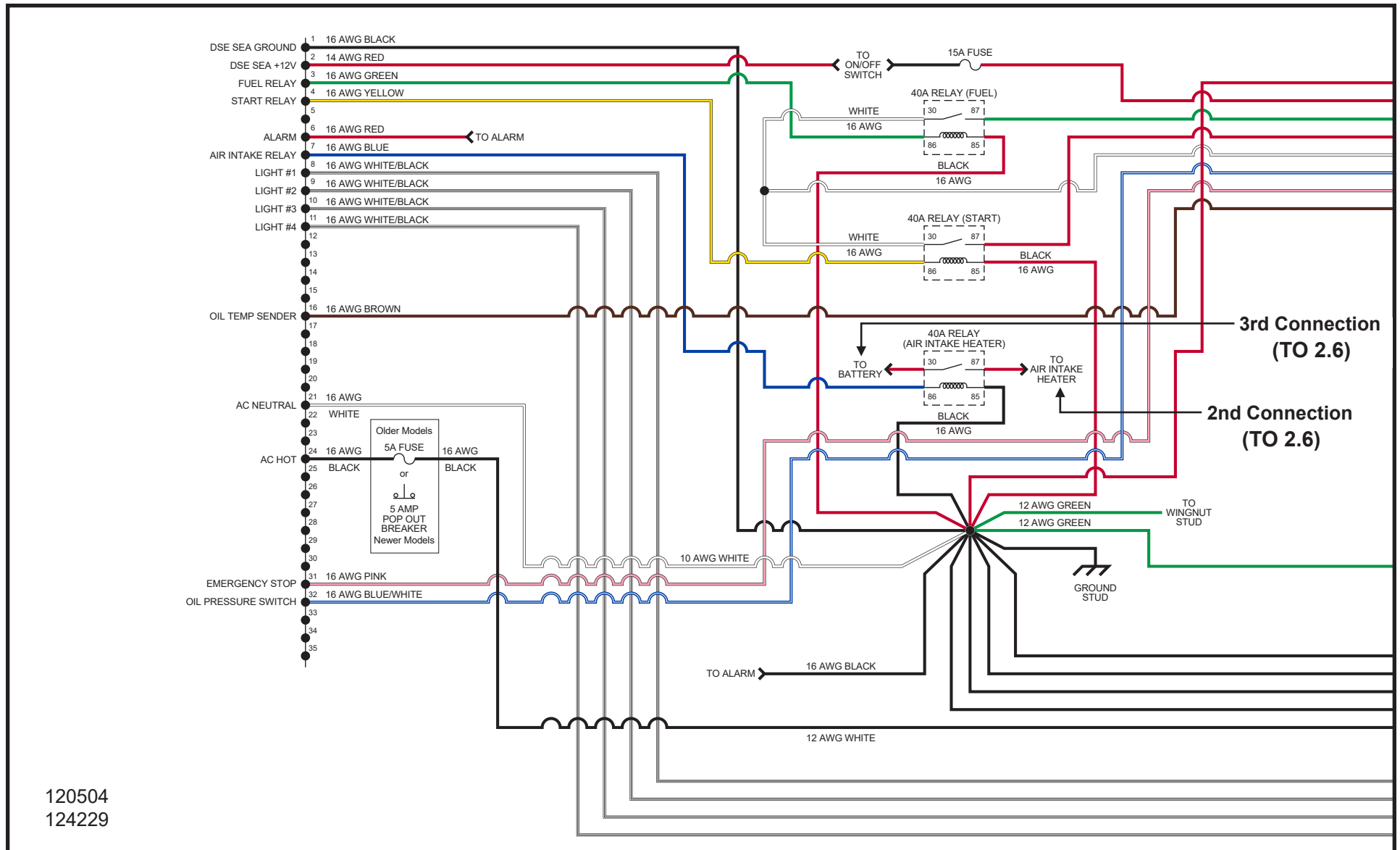


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2.4 - Deep Sea Harness NLGR Air-Cooled Schematic (2 of 2)



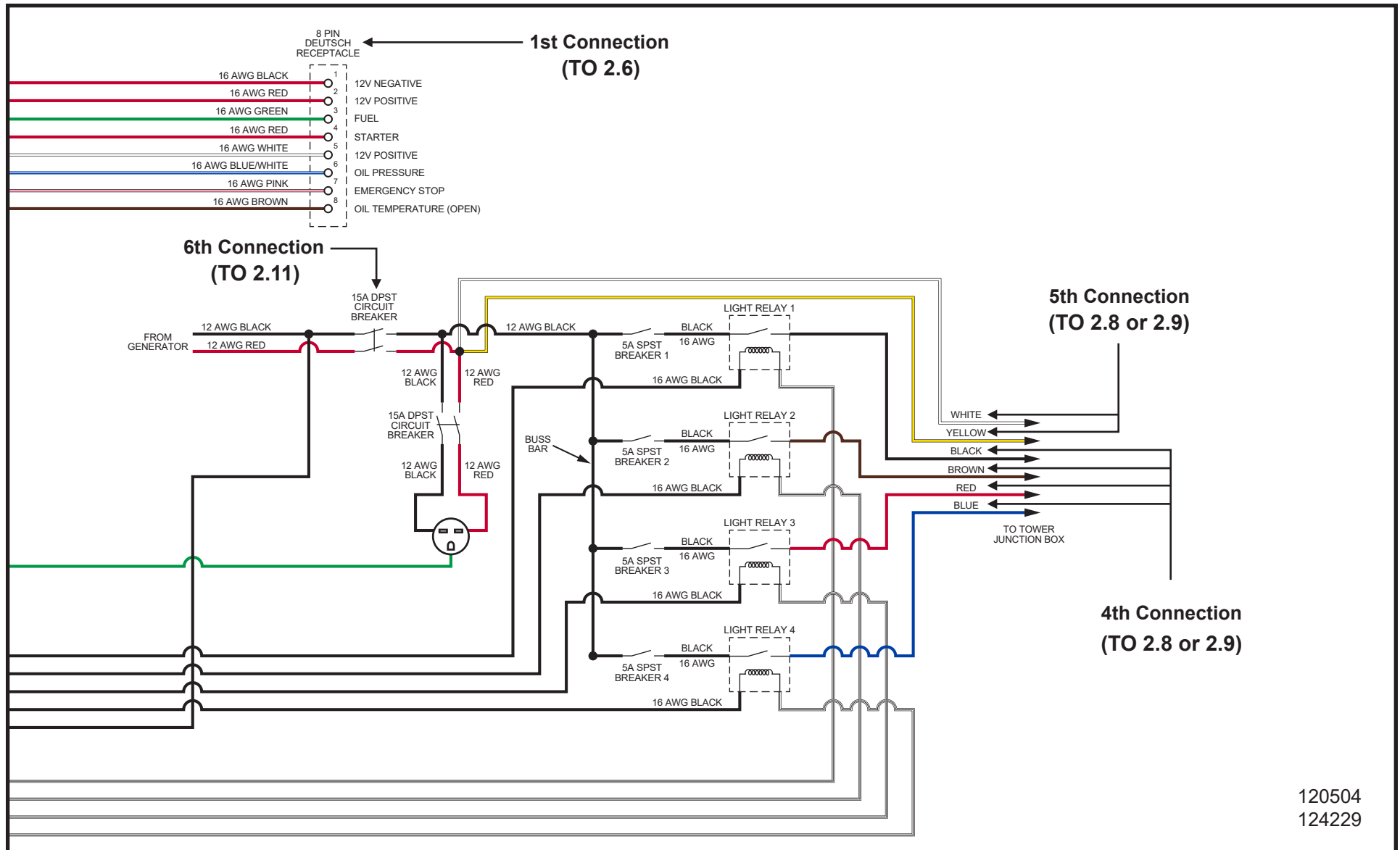
2.5 - Deep Sea Harness NLGR Air-Cooled International Schematic (1 of 2)



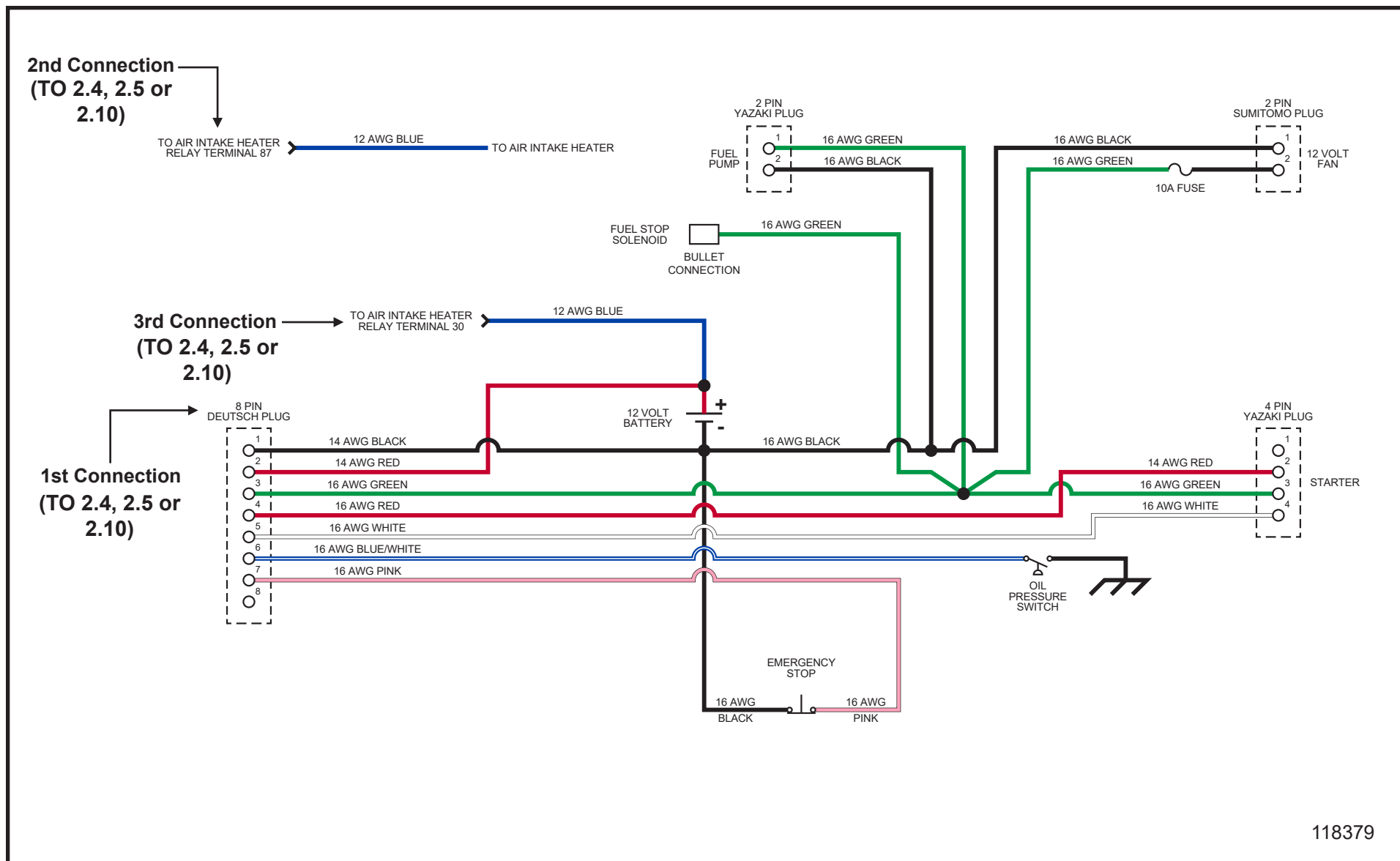
120504
124229

NIGHT-LITE™ GR-SERIES

2.5 - Deep Sea Harness NLGR Air-Cooled International Schematic (1 of 2)



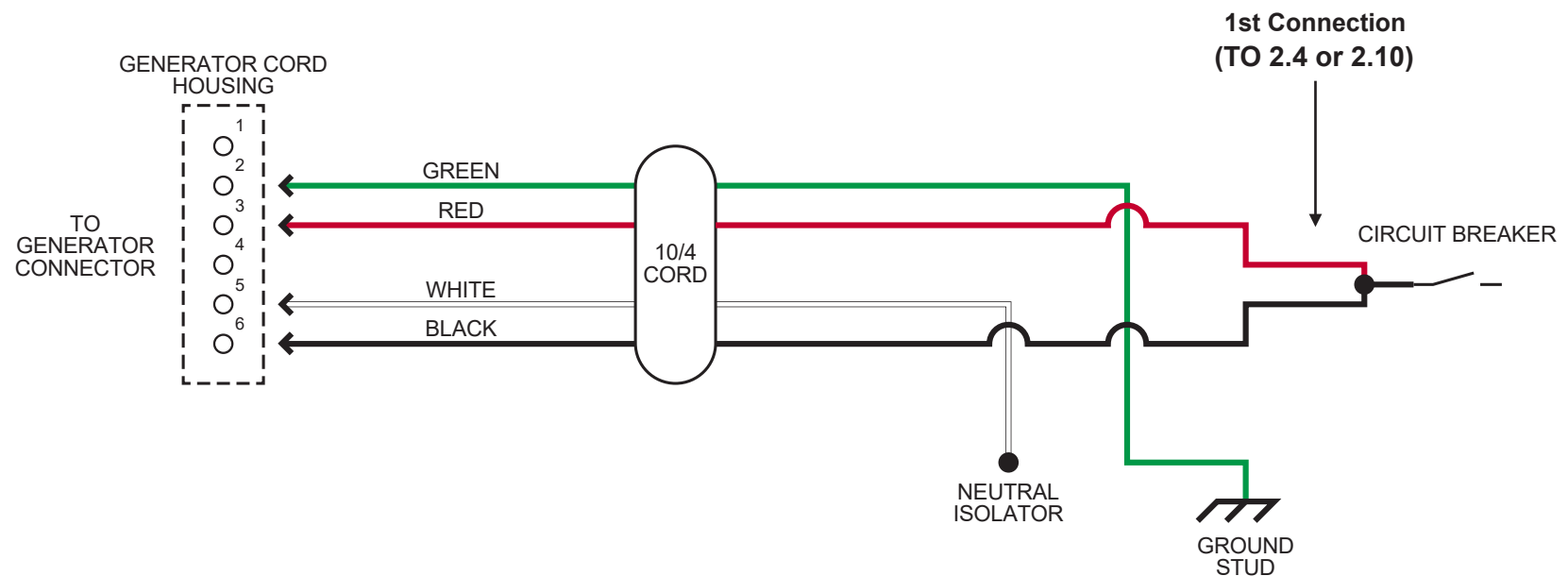
2.6 - Yanmar Engine Harness Schematic



118379

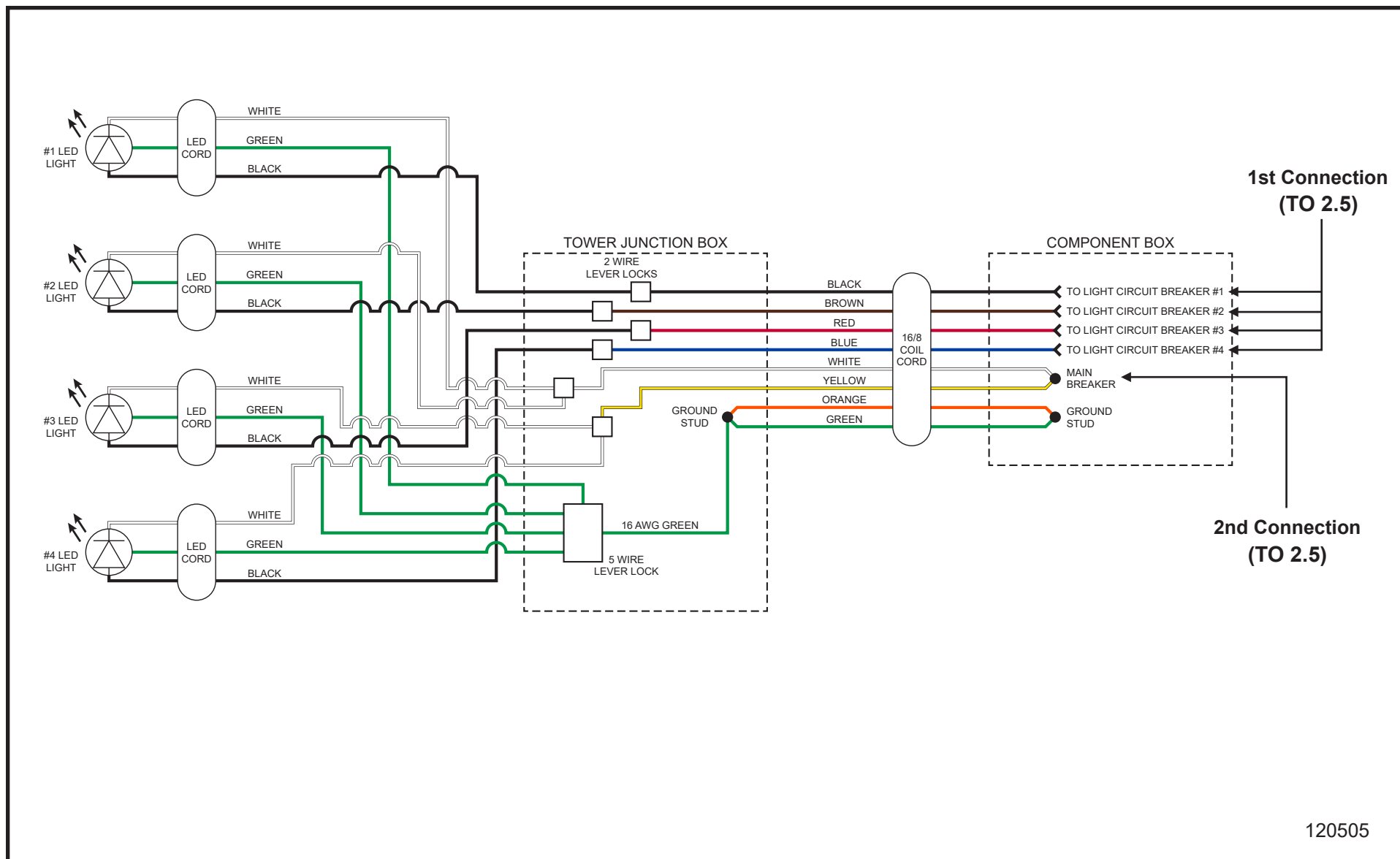
NIGHT-LITE™ GR-SERIES

2.7 - 10/4 Generator Cord Schematic



118373

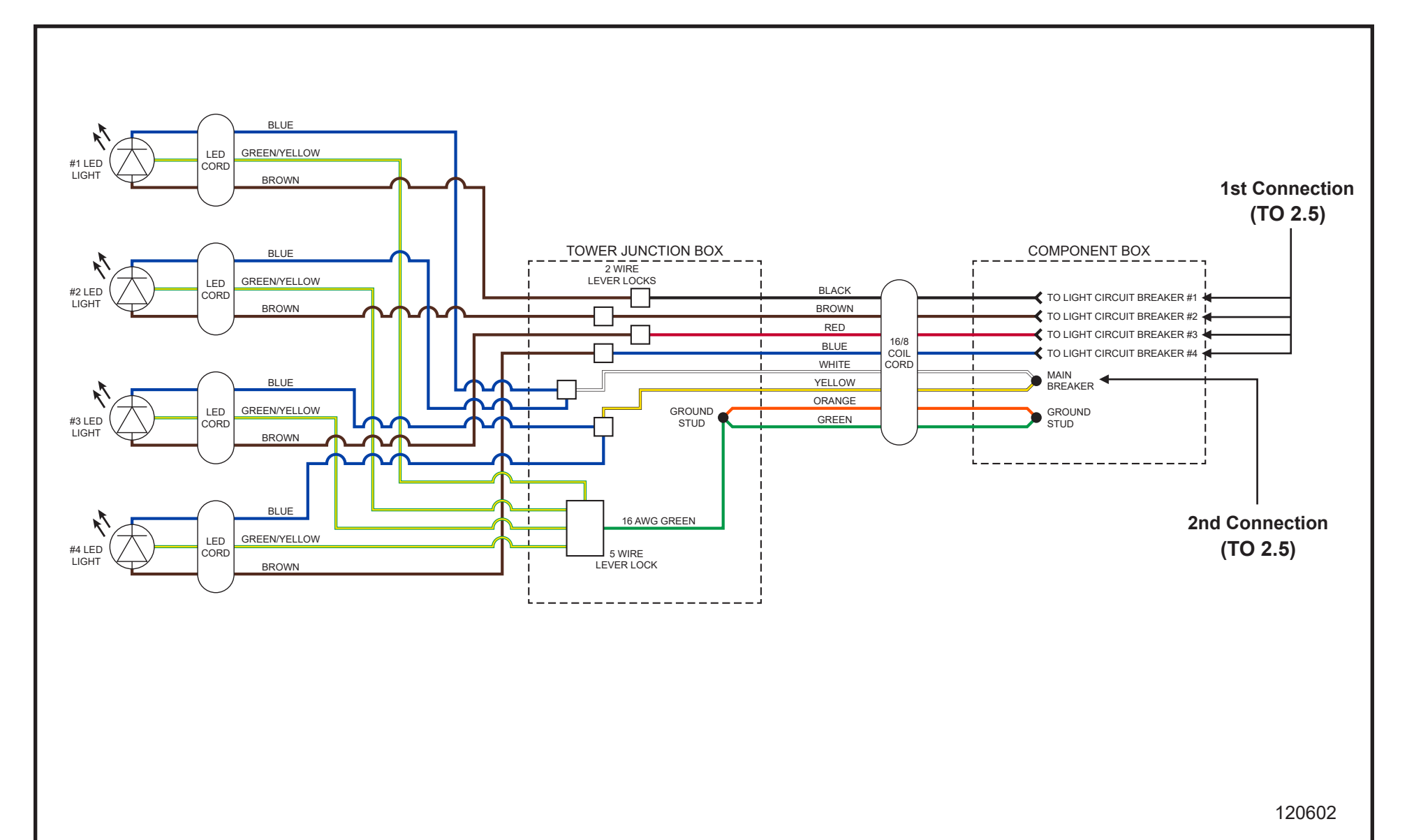
2.8 - 16/8 Tower Cord NLGR Air-Cooled KUH2S LED Int'l Schematic



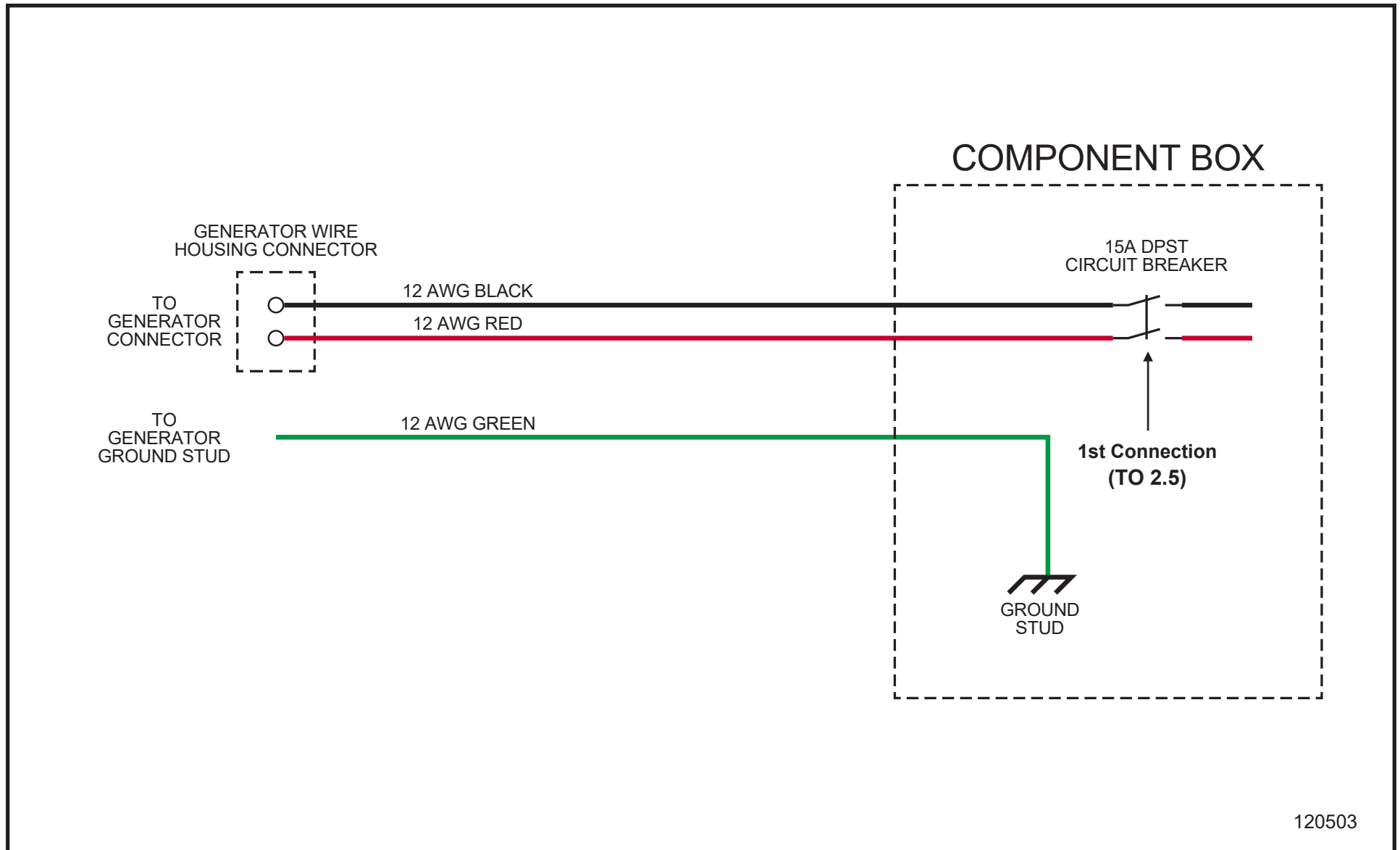
120505

NIGHT-LITE™ GR-SERIES

2.9 - 16/8 Tower Cord NLGR Air-Cooled KUM1S LED Int'l Schematic

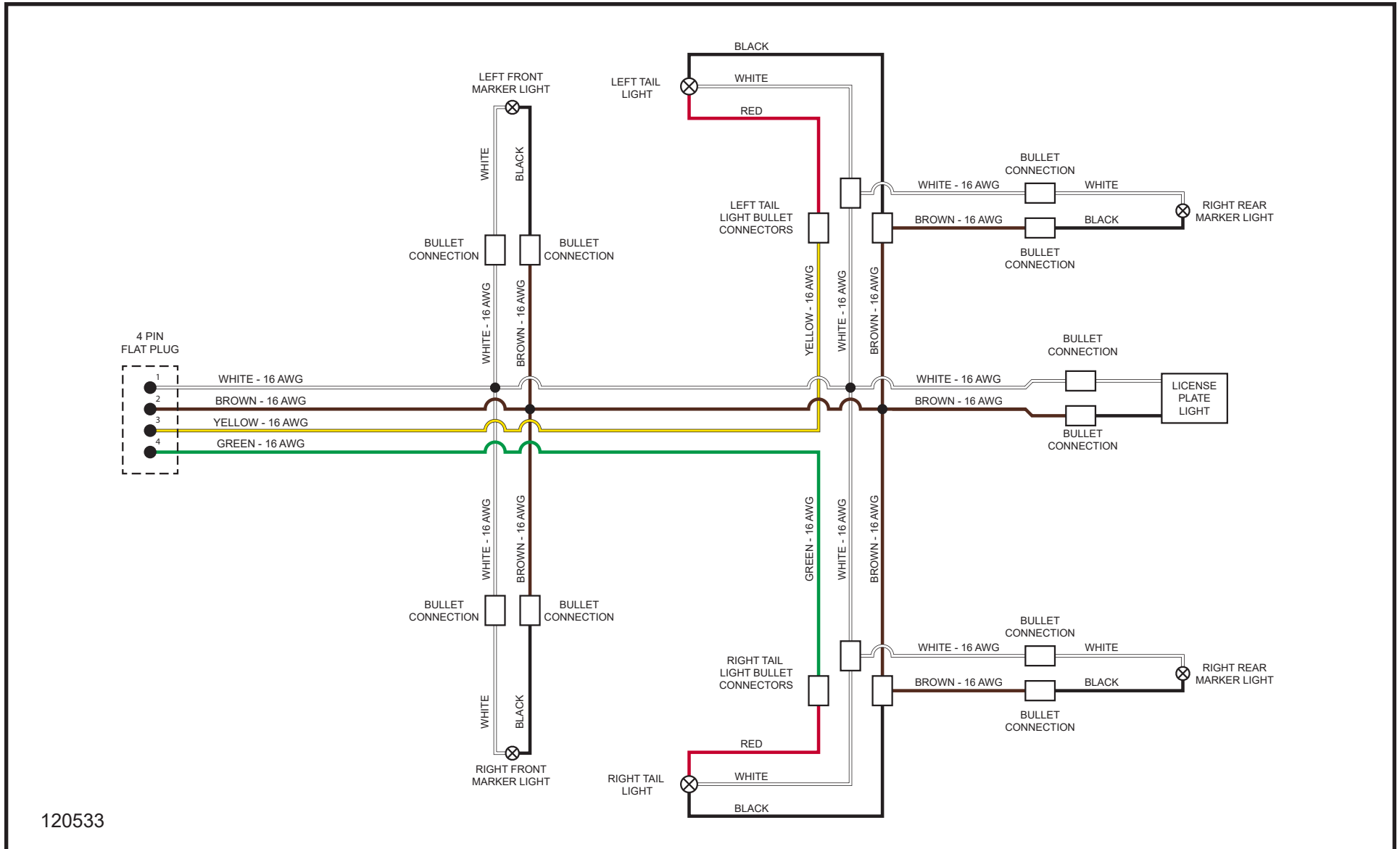


2.11 - International Generator Cord Schematic

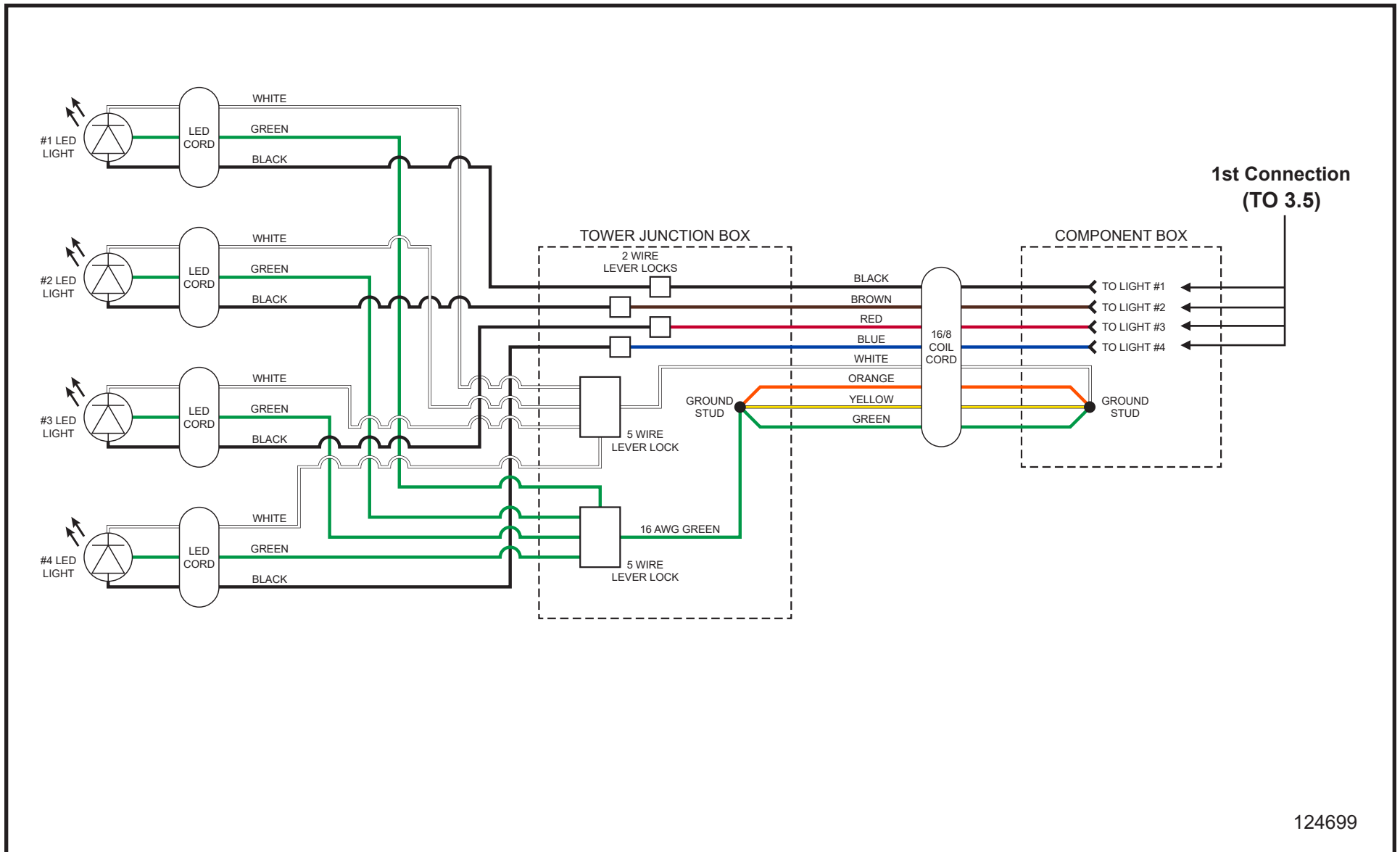


NIGHT-LITE™ GR-SERIES

3.1 - Tail Light Harness NL GR-Series Liquid-Cooled Schematic



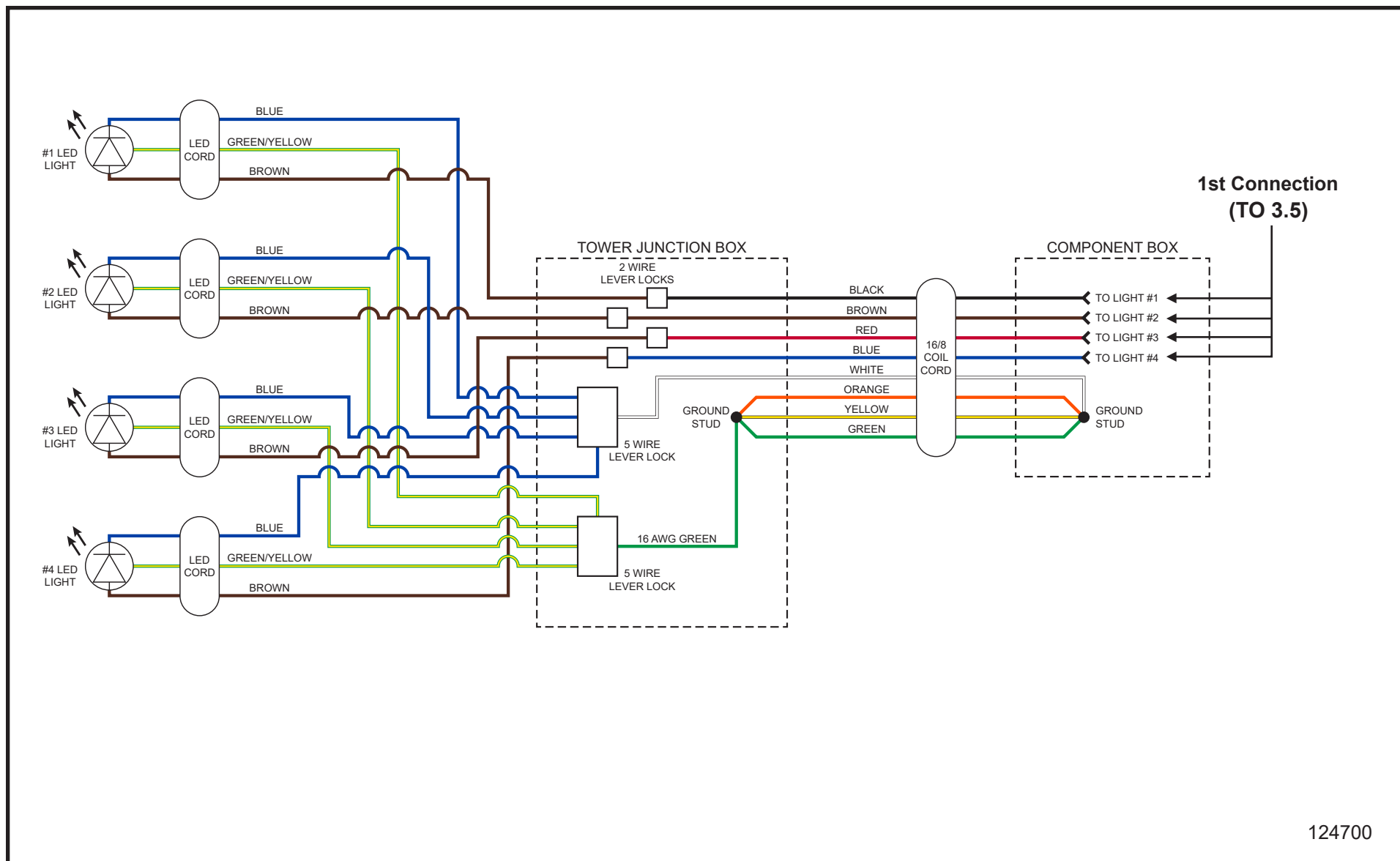
3.2 - 16/8 Tower Cord NLGR LC CM KUH2S LED Schematic



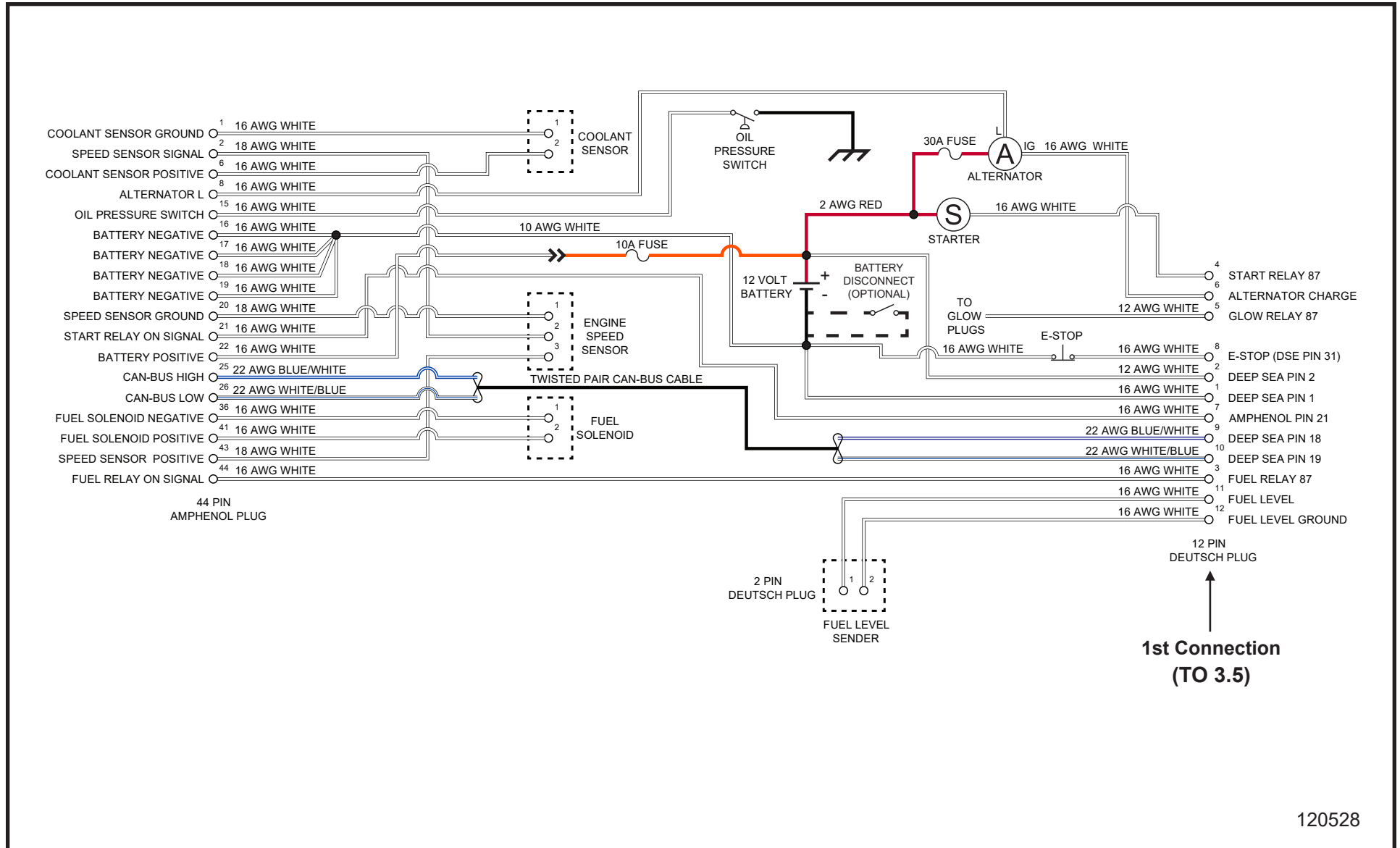
124699

NIGHT-LITE™ GR-SERIES

3.3 - 16/8 Tower Cord NLGR LC CM KUH1S LED Schematic



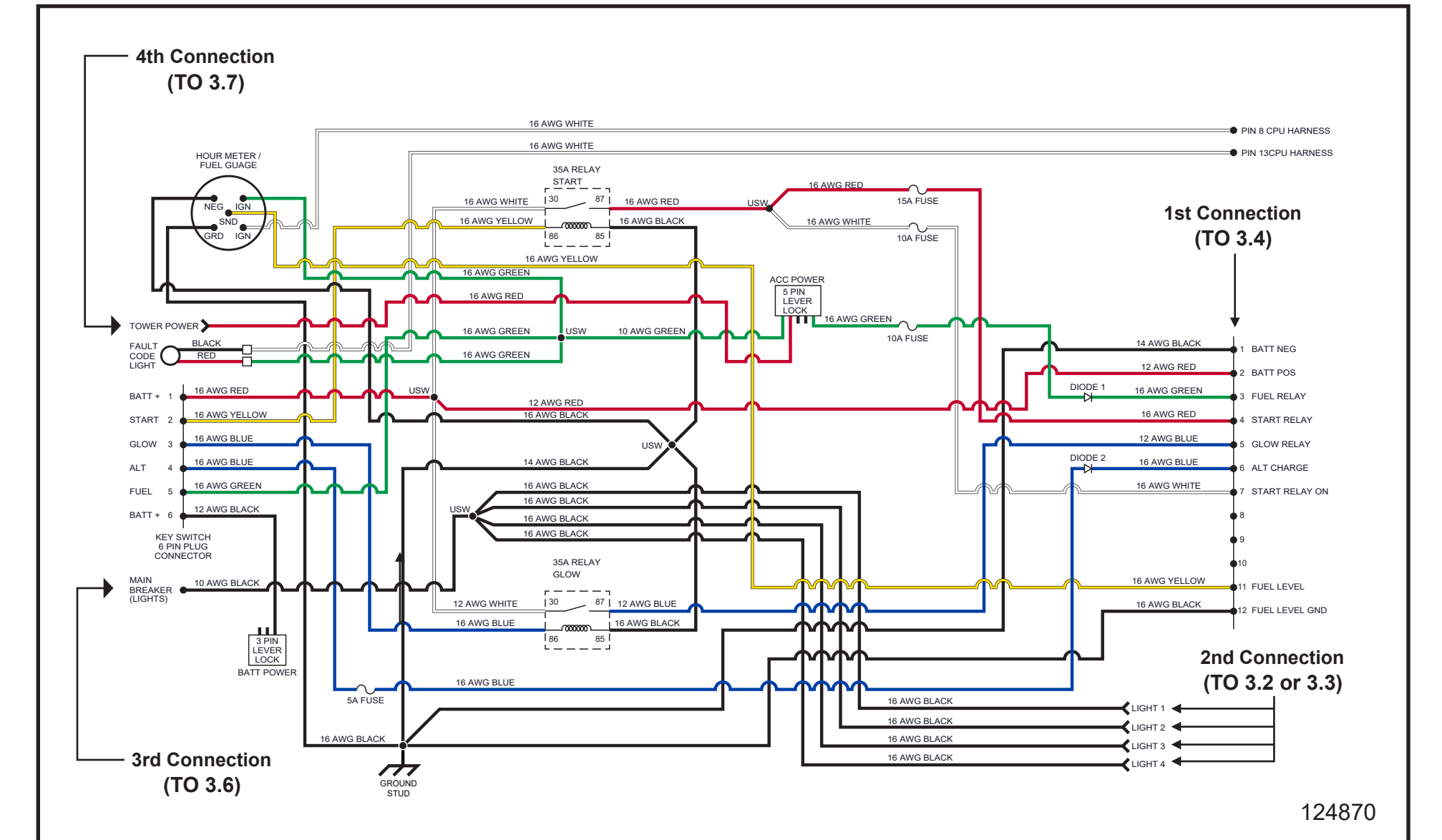
3.4 - Kubota Z482 Engine Harness Schematic



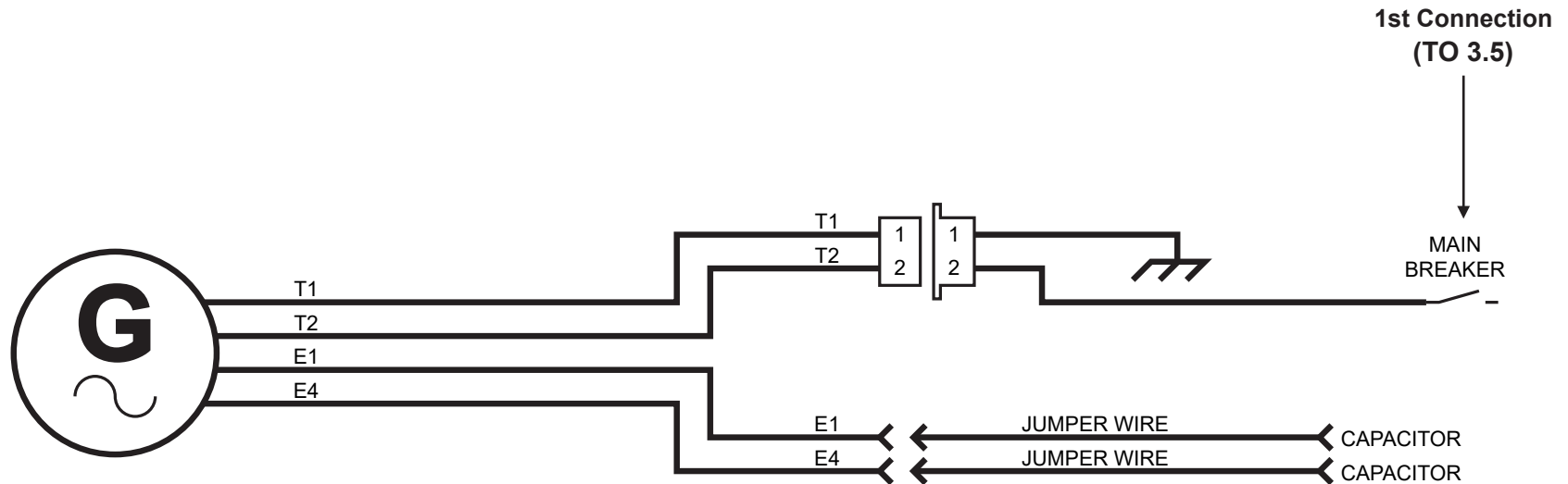
120528

NIGHT-LITE™ GR-SERIES

3.5 - Control Box Key Start NLGR LC CM Schematic



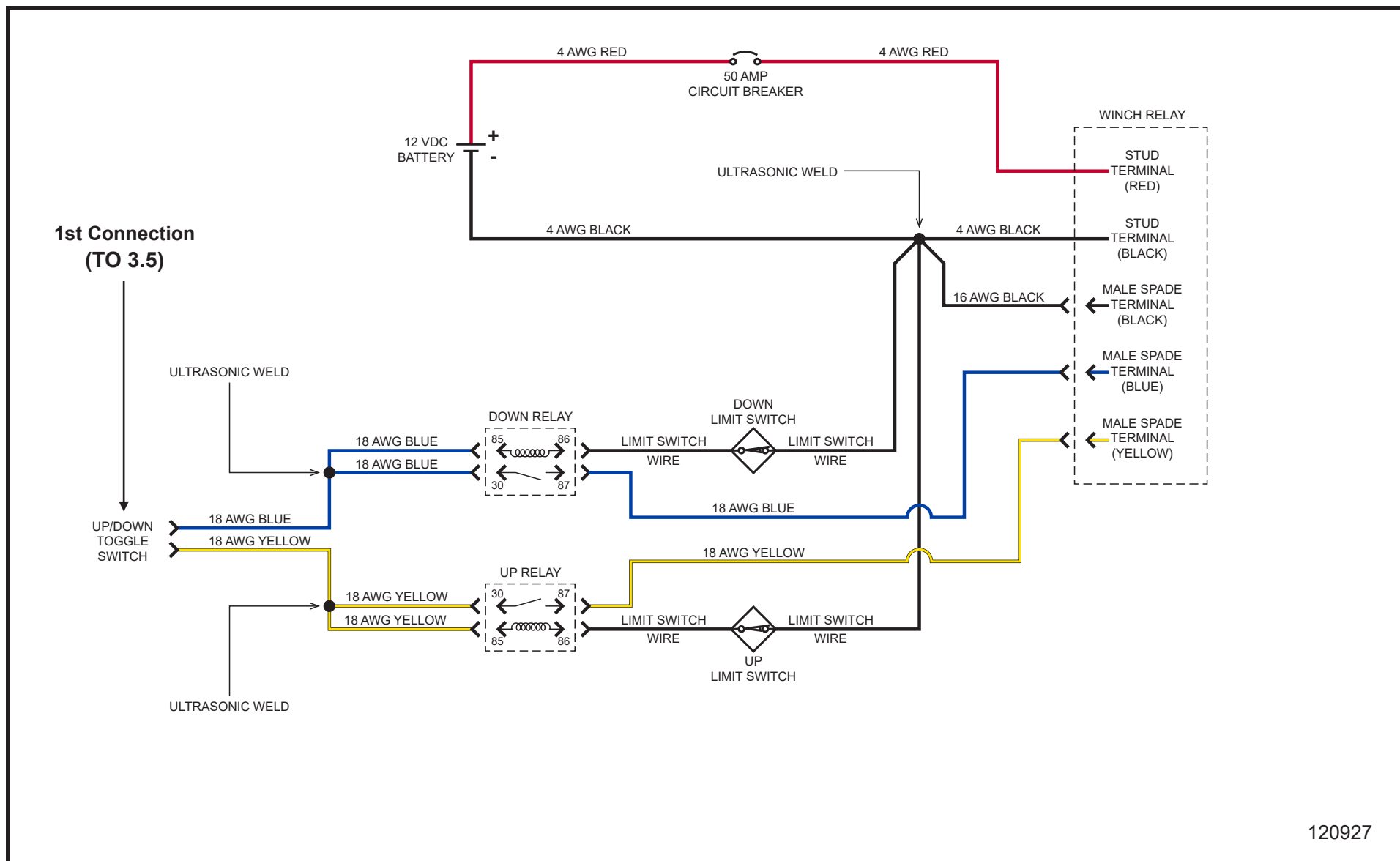
3.6 - NLGR LC CM Generator Cord Schematic



126033

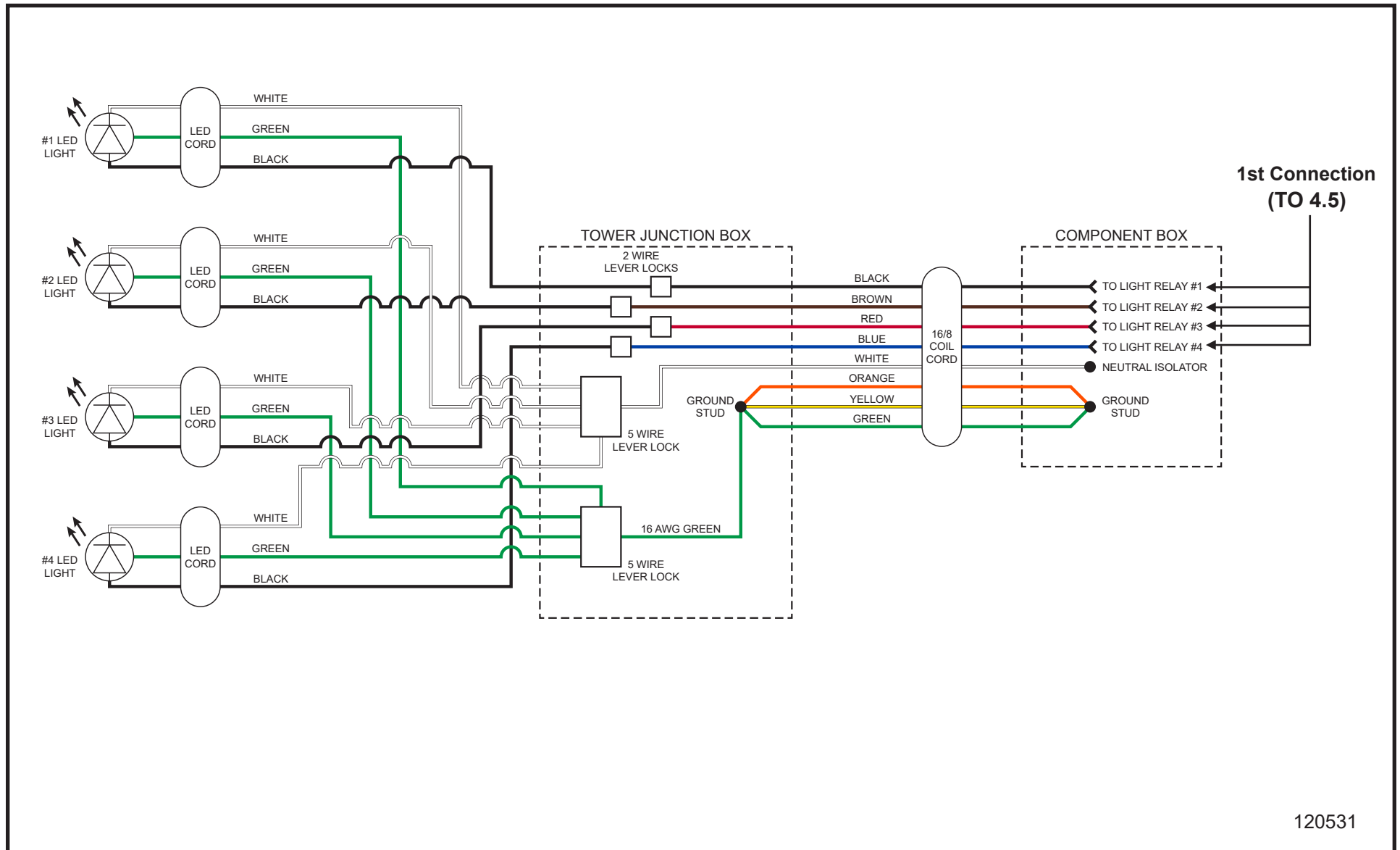
NIGHT-LITE™ GR-SERIES

3.7 - SH1000 Electric Winch NLGR Schematic



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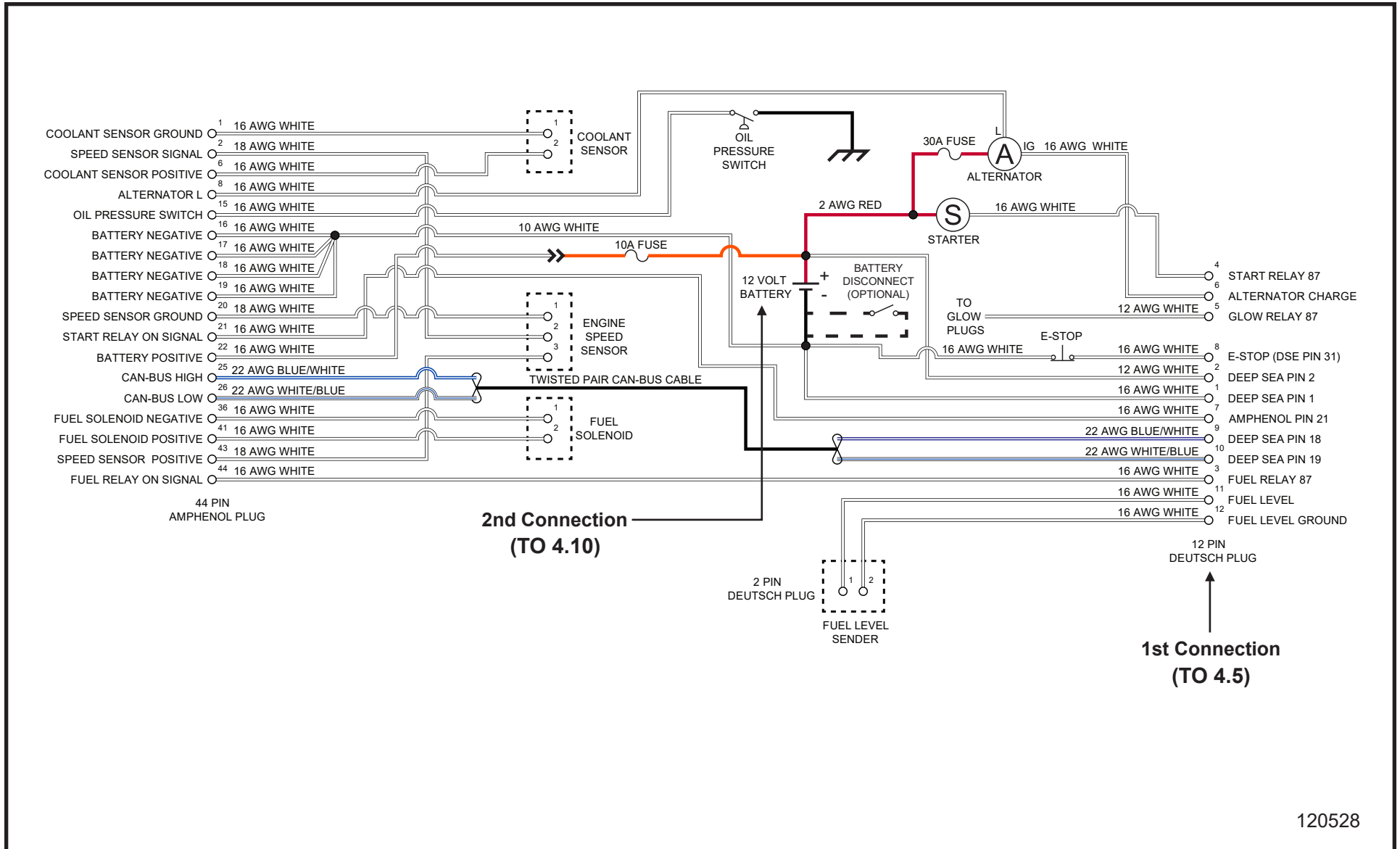
4.2 - 16/8 Tower Cord NLGR LC 3kW KUH2S LED Schematic



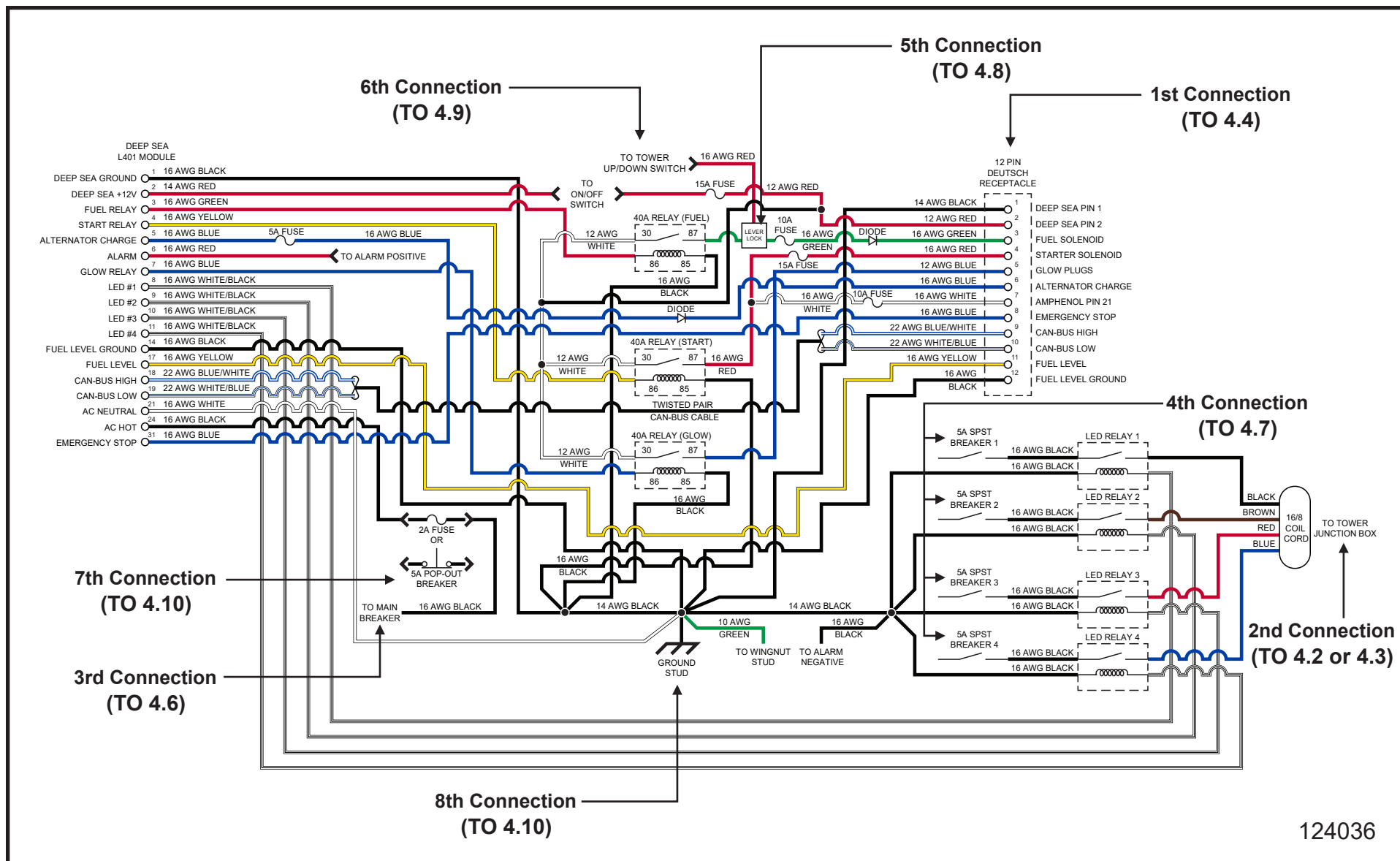
120531

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4.4 - Kubota Z482 Engine Harness Schematic

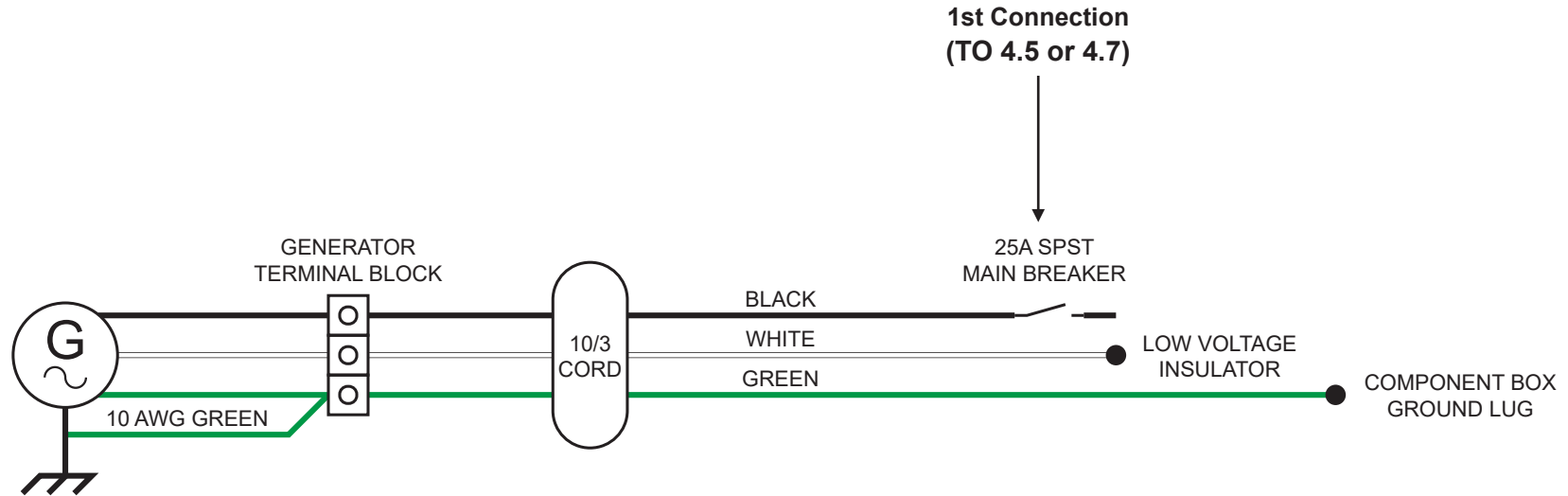


4.5 - Deep Sea Harness NLGR LC 3kW Schematic



NIGHT-LITE™ GR-SERIES

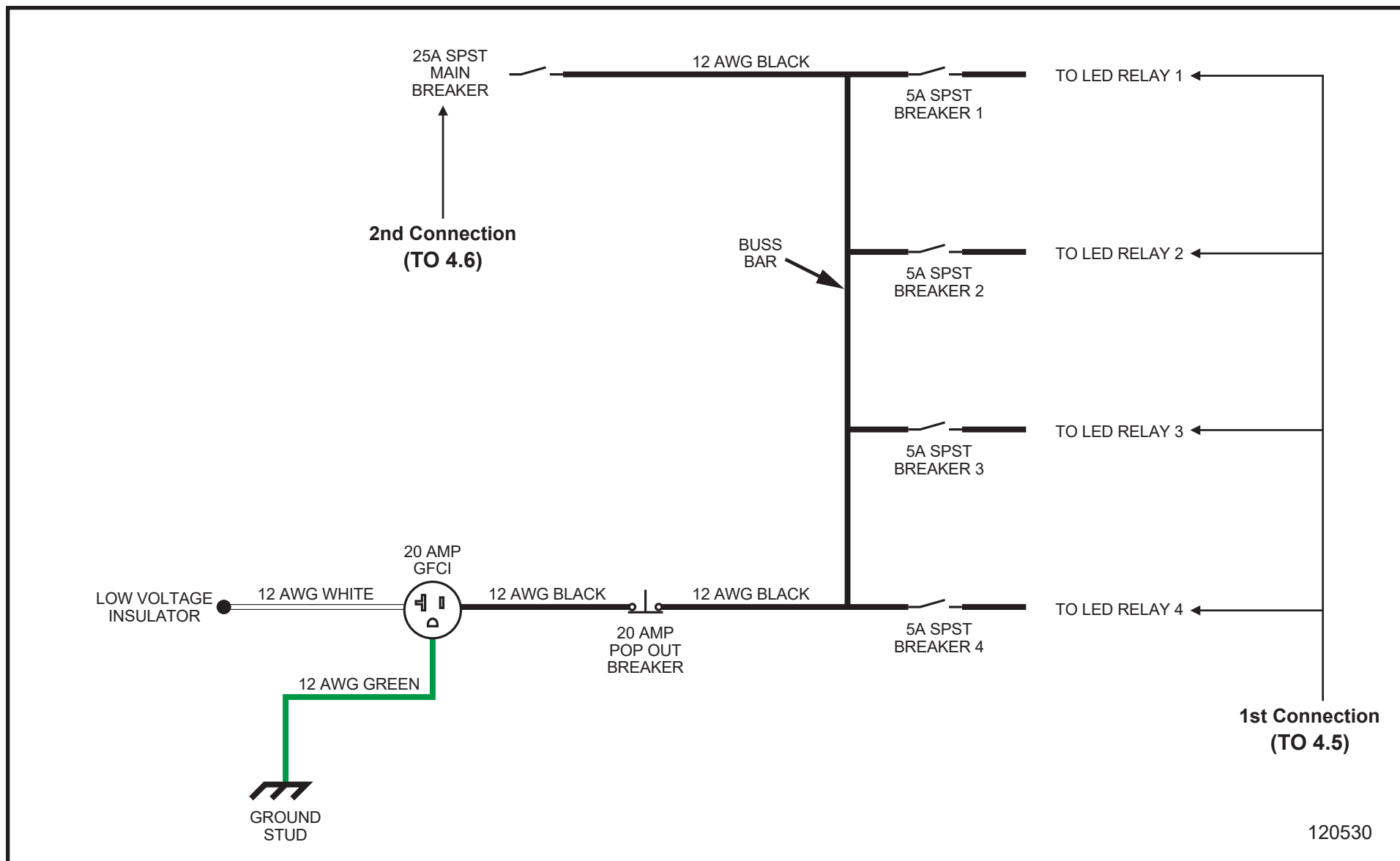
4.6 - 10/3 Generator Cord Schematic



GENERATOR TERMINAL BLOCK CONNECTIONS	
10/3 CORD WIRE COLOR	LINZ 60 Hz
WHITE	1 & 3
BLACK	2 & 4
GREEN	GROUND

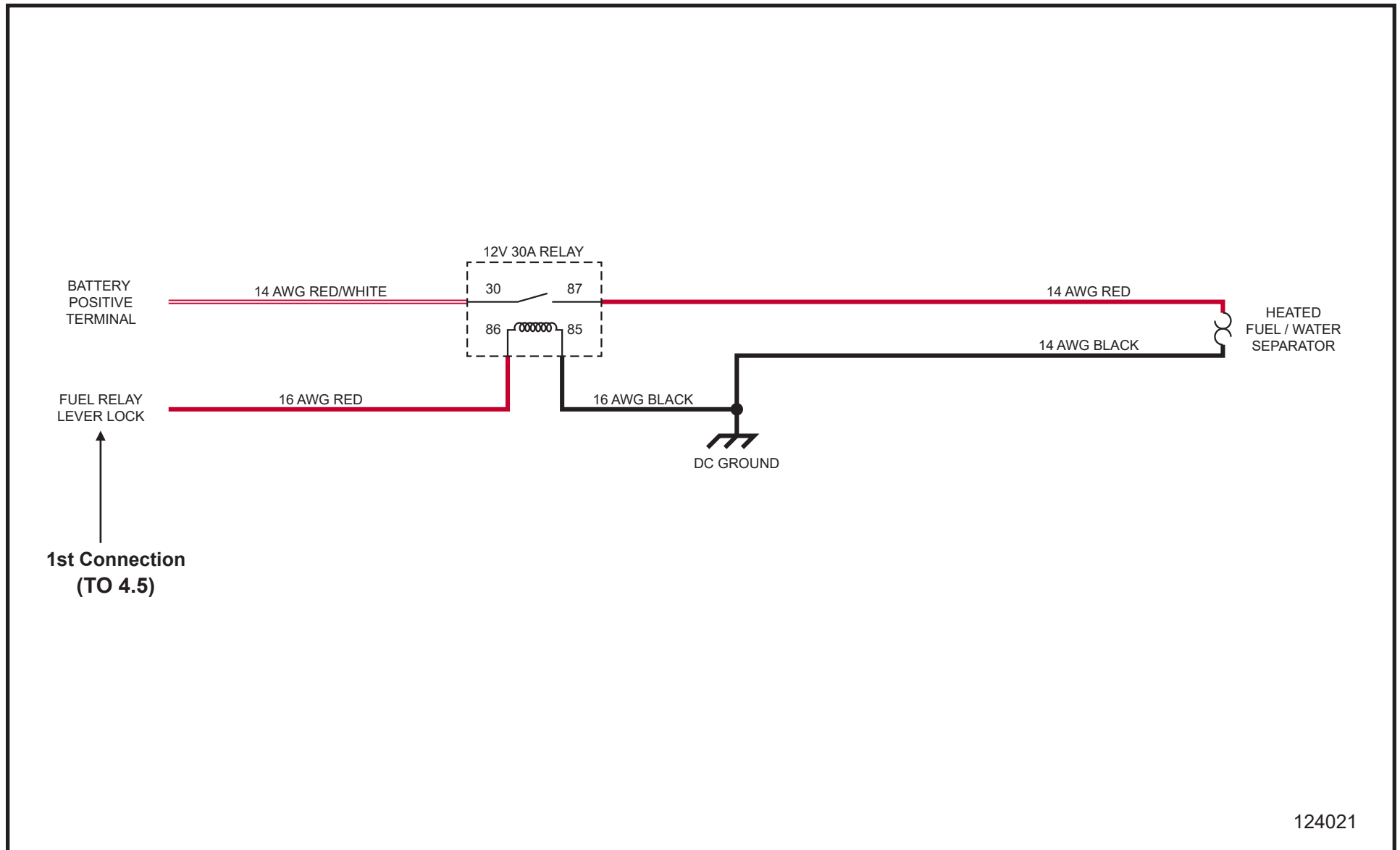
120532

4.7 - Light Relays and GFCI NLGR LC 3kW Schematic



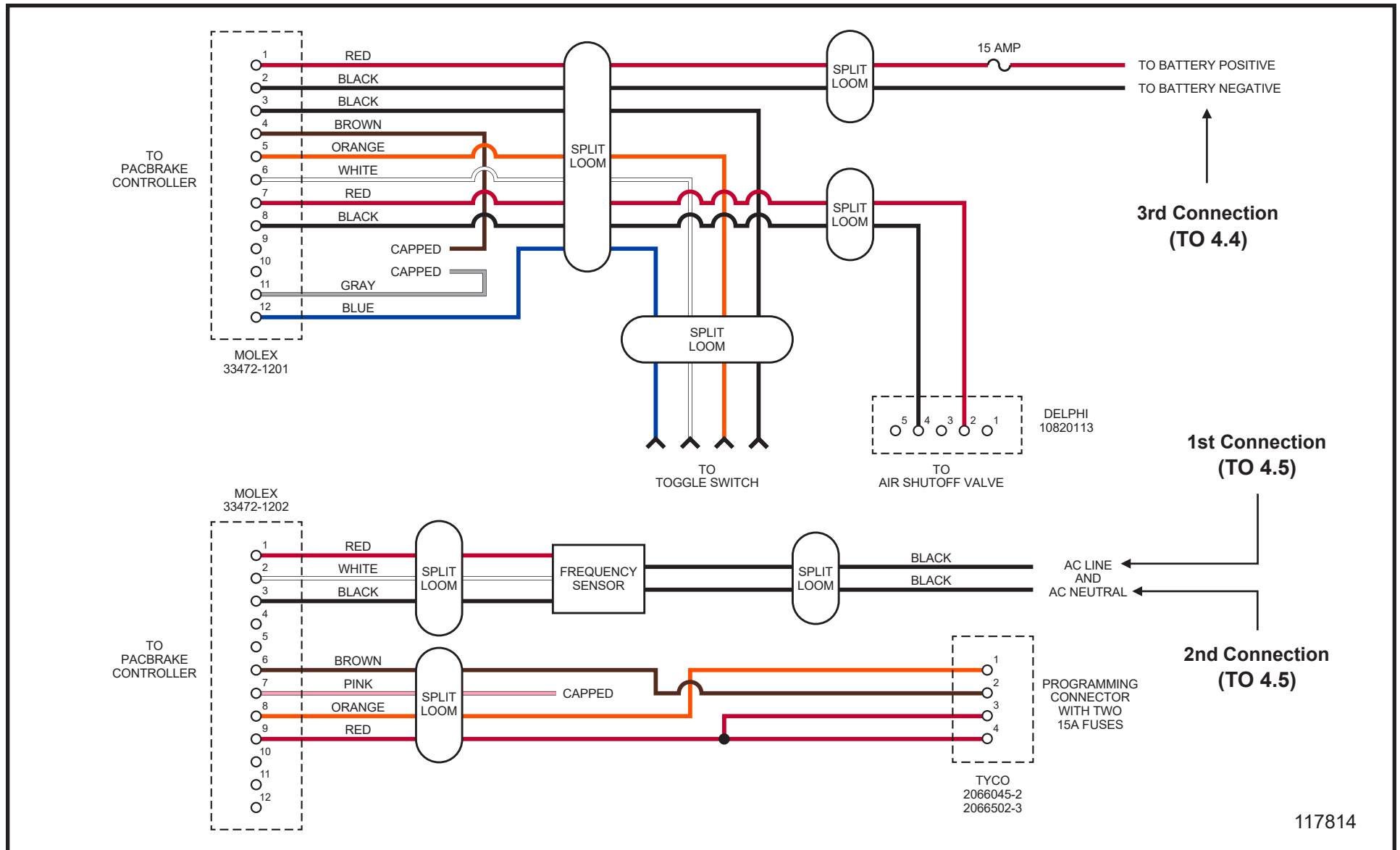
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4.8 - Heated Fuel Water Separator Schematic



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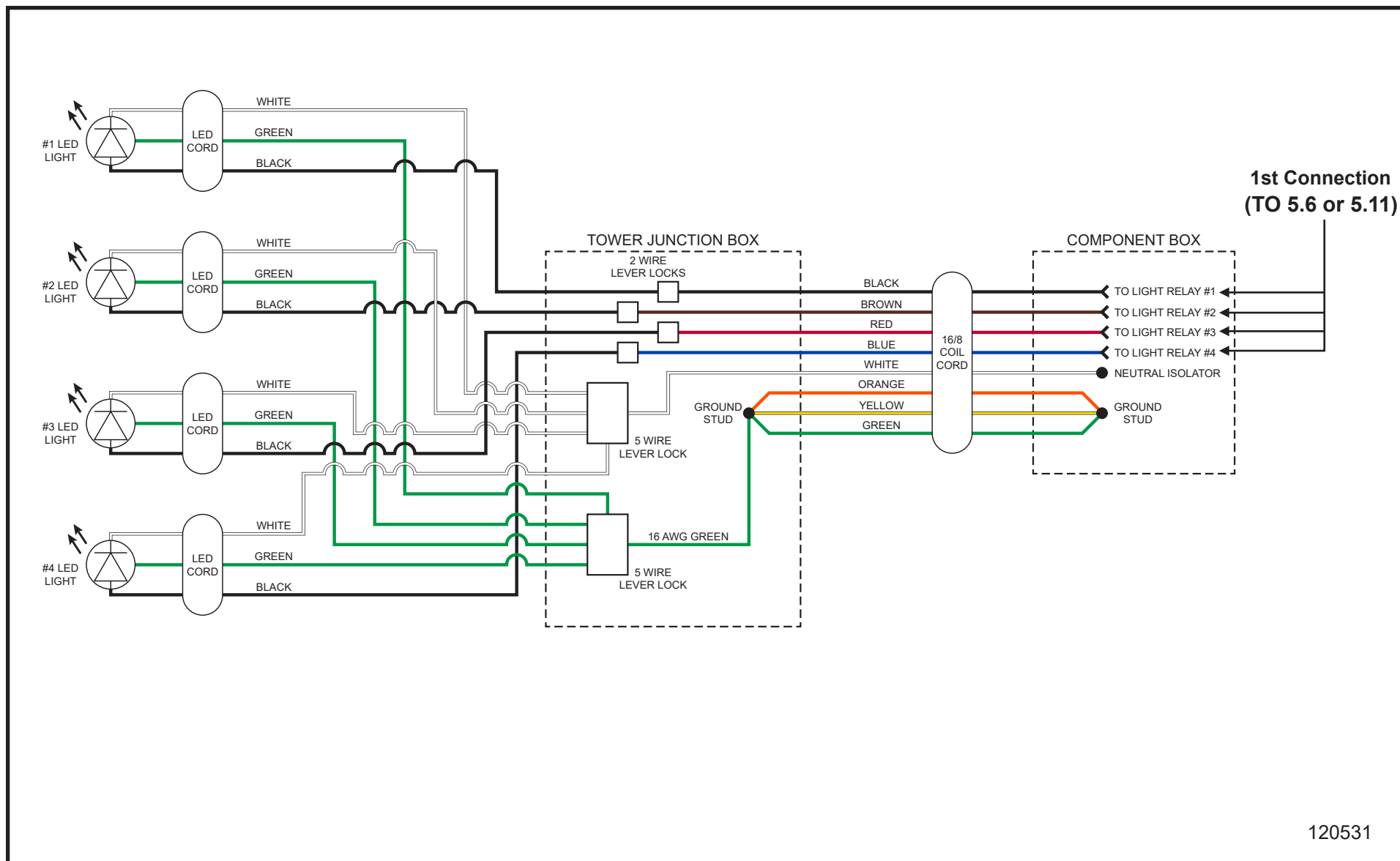
4.10 - PacBrake Air Valve Harness Schematic





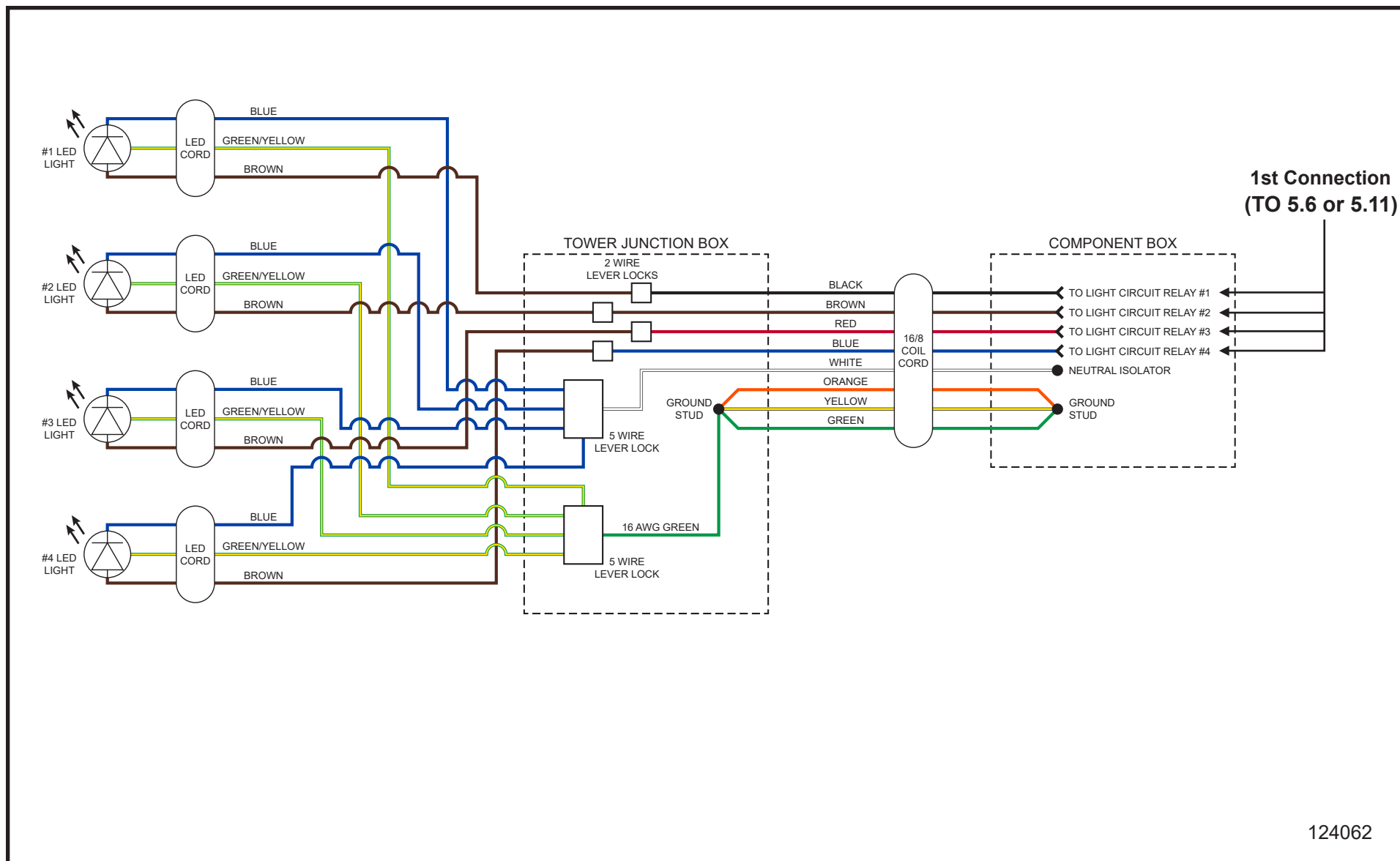
NIGHT-LITE™ GR-SERIES

5.2 - 16/8 Tower Cord NLGR LC 6kW KUH2S LED Schematic



120531

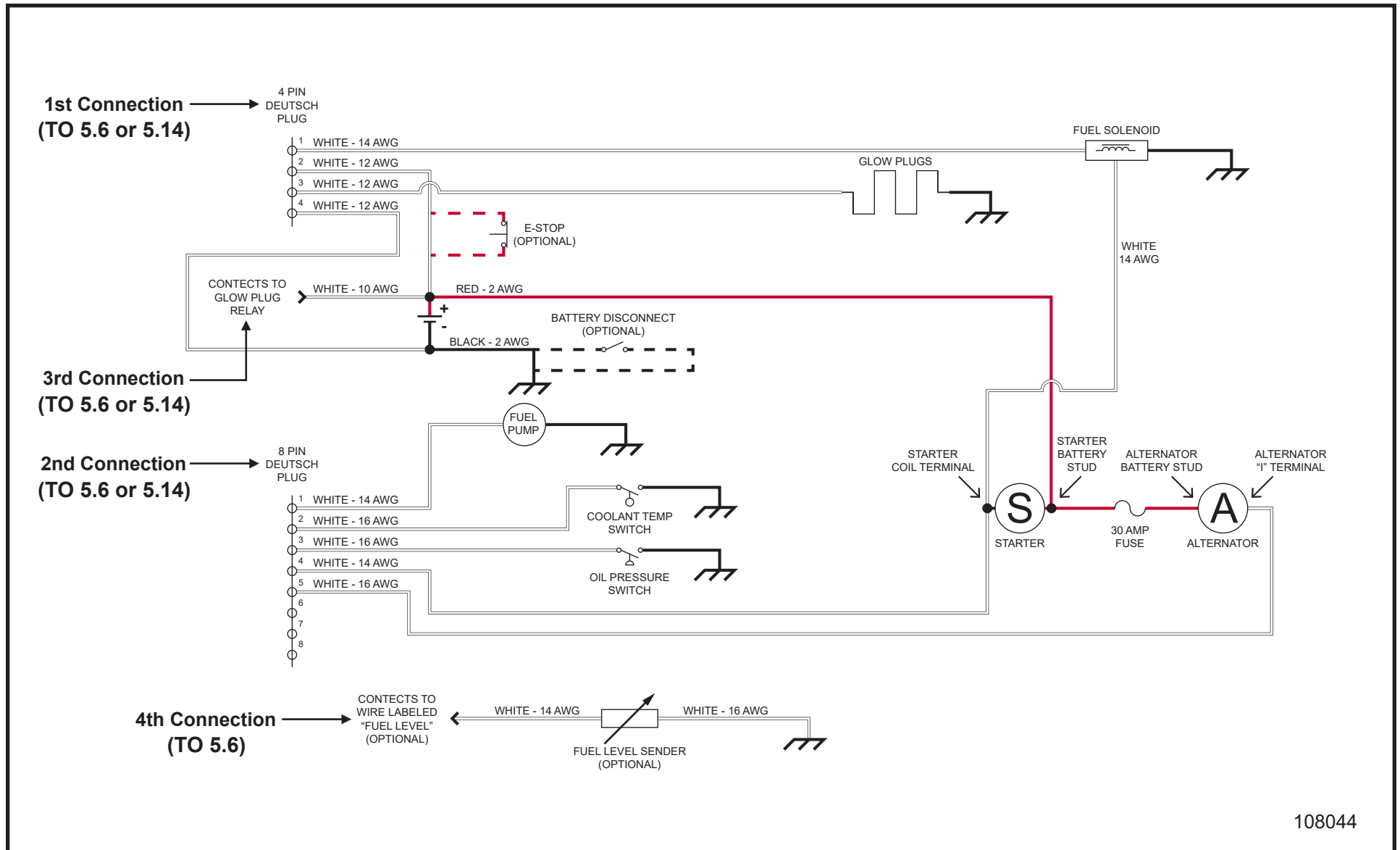
5.3 - 16/8 Tower Cord NLGR LC 6kW KUH2S LED Schematic



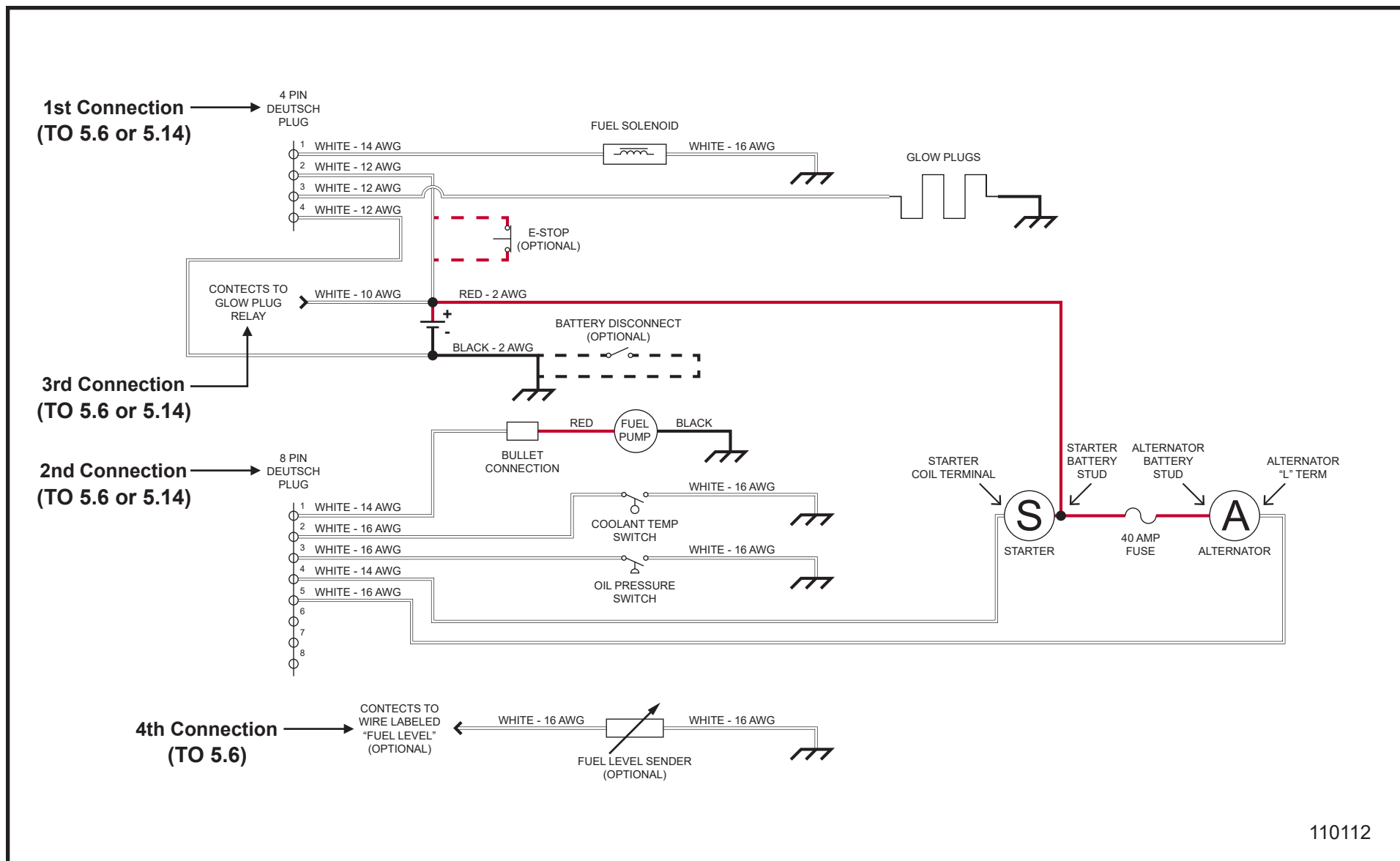
124062

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5.4 - Kubota D1005 Engine Harness Schematic



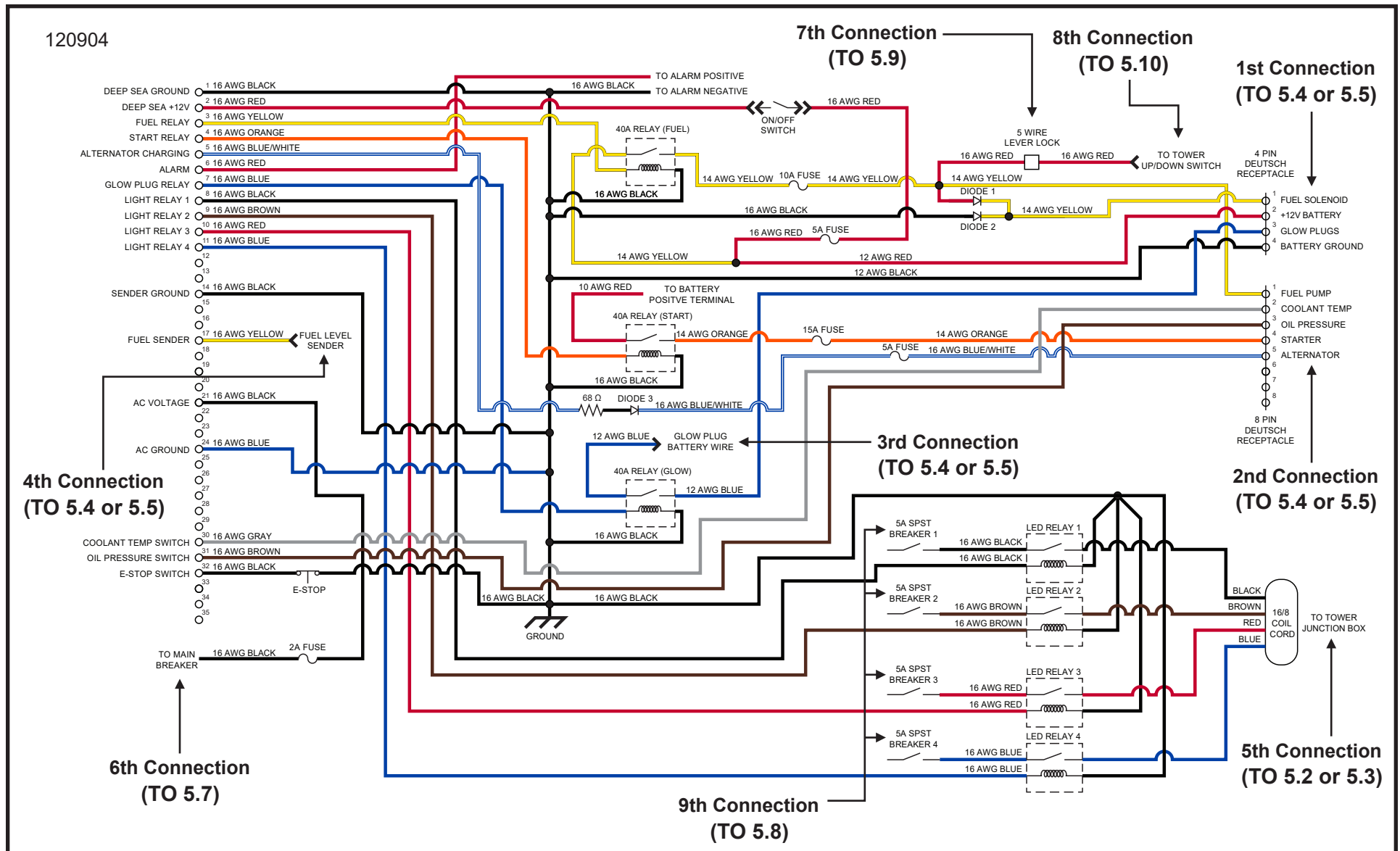
5.5 - CAT/Perkins 1.1 Engine Harness Schematic



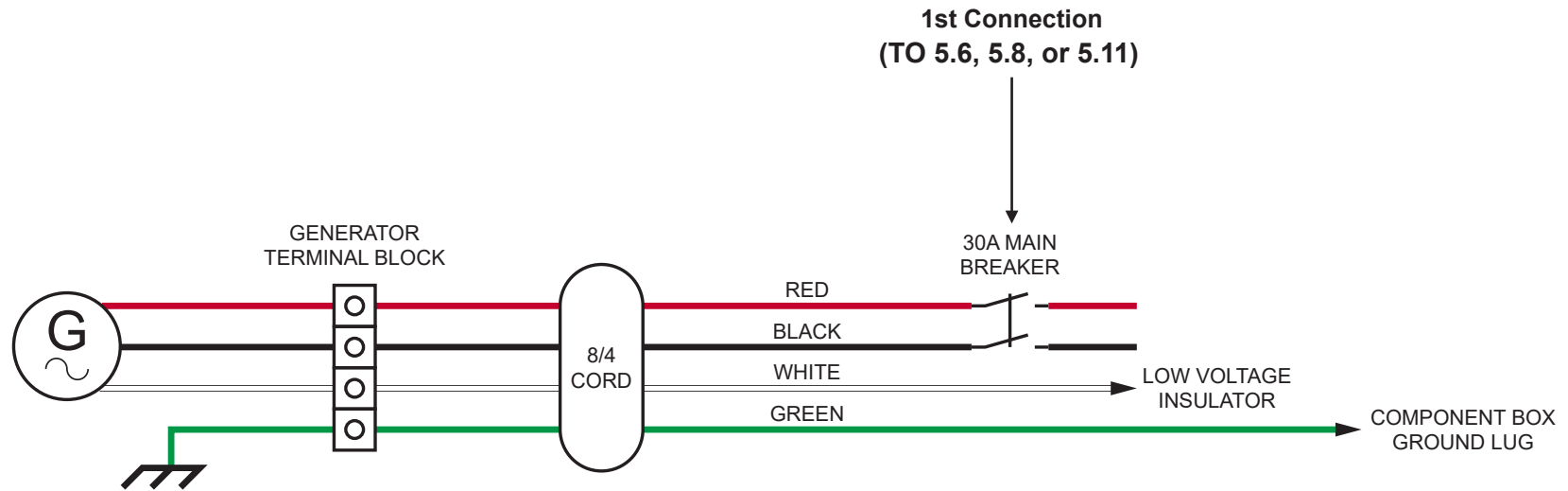
110112

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5.6 - Deep Sea Harness NLGR LC 6kW Schematic



5.7 - 8/4 Generator Cord Schematic

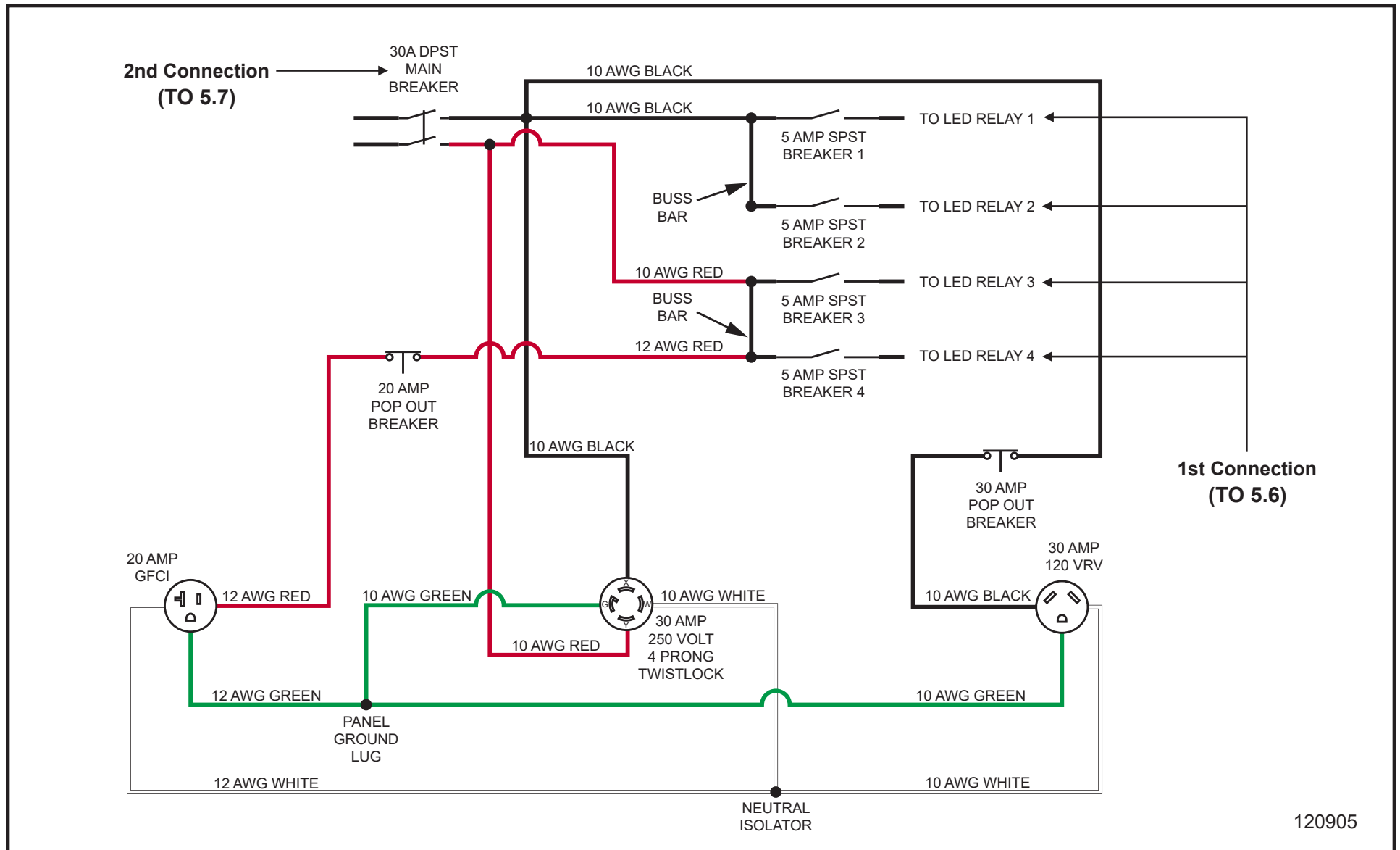


GENERATOR TERMINAL BLOCK CONNECTIONS	
8/4 CORD WIRE	MARATHON 50/60 Hz
RED	3
WHITE	2
BLACK	1
GREEN	GROUND STUD

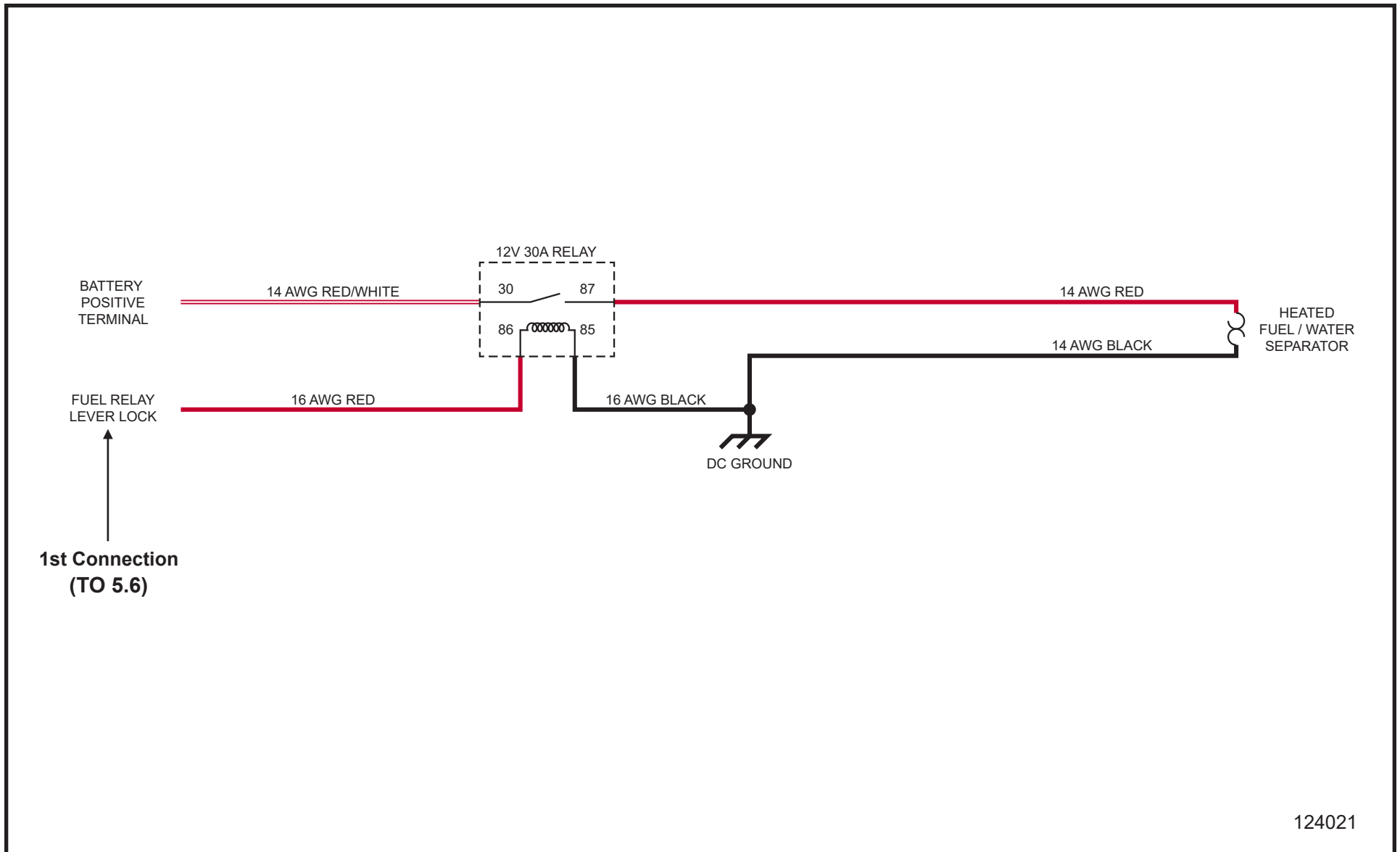
120908

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5.8 - Light Relays and GFCI NLGR LC 6kW Schematic

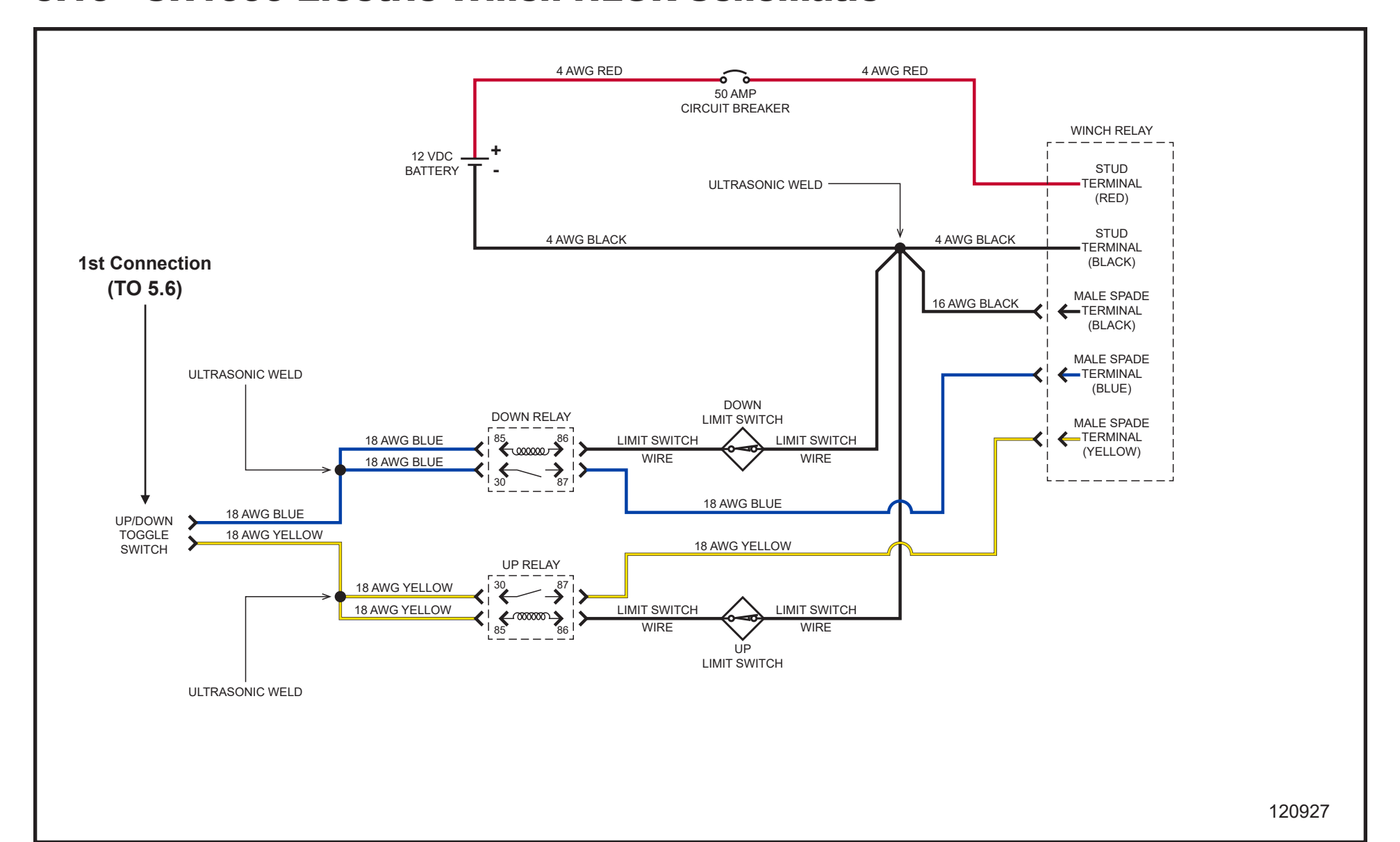


5.9 - Heated Fuel Water Separator Schematic

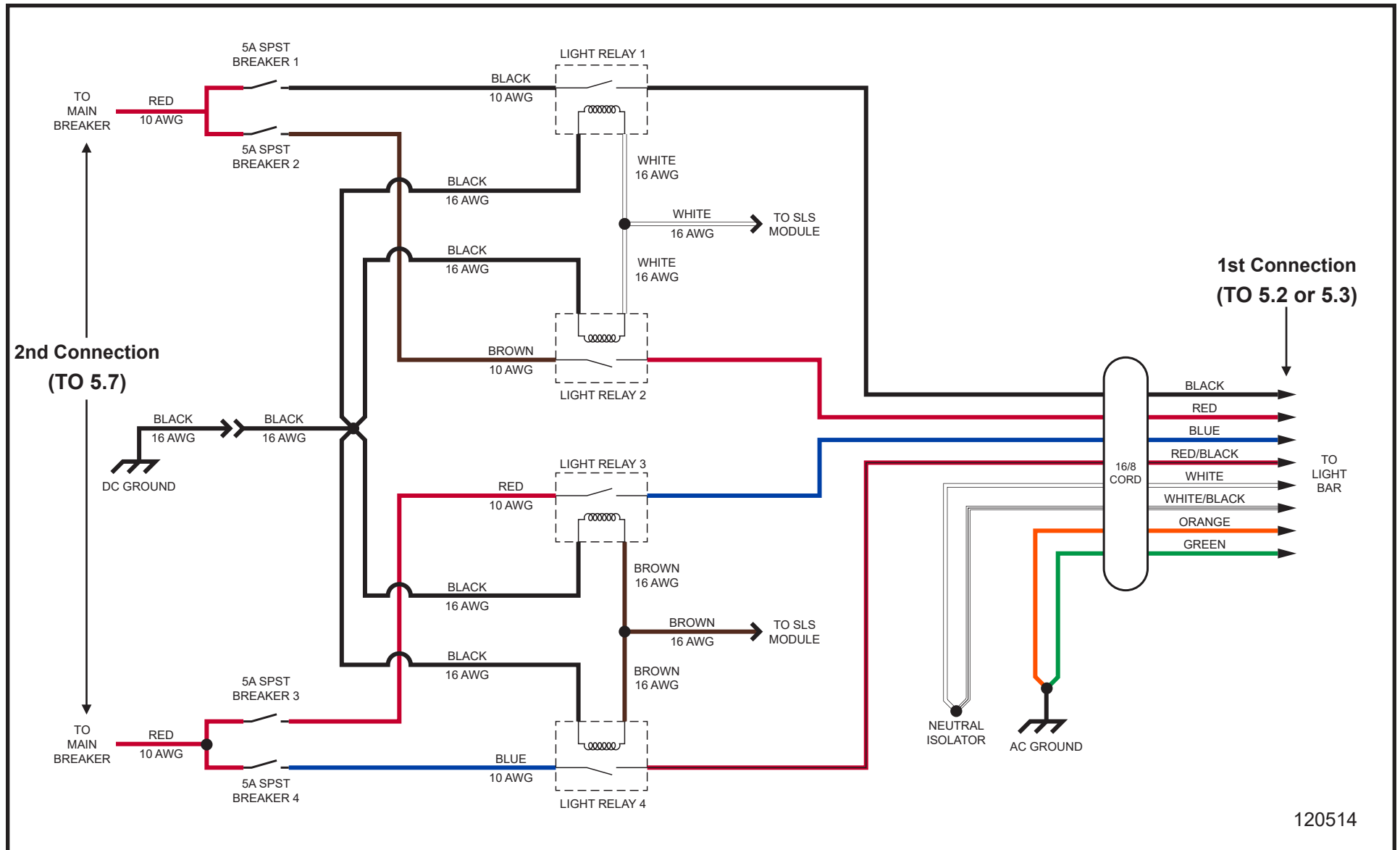


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5.10 - SH1000 Electric Winch NLGR Schematic

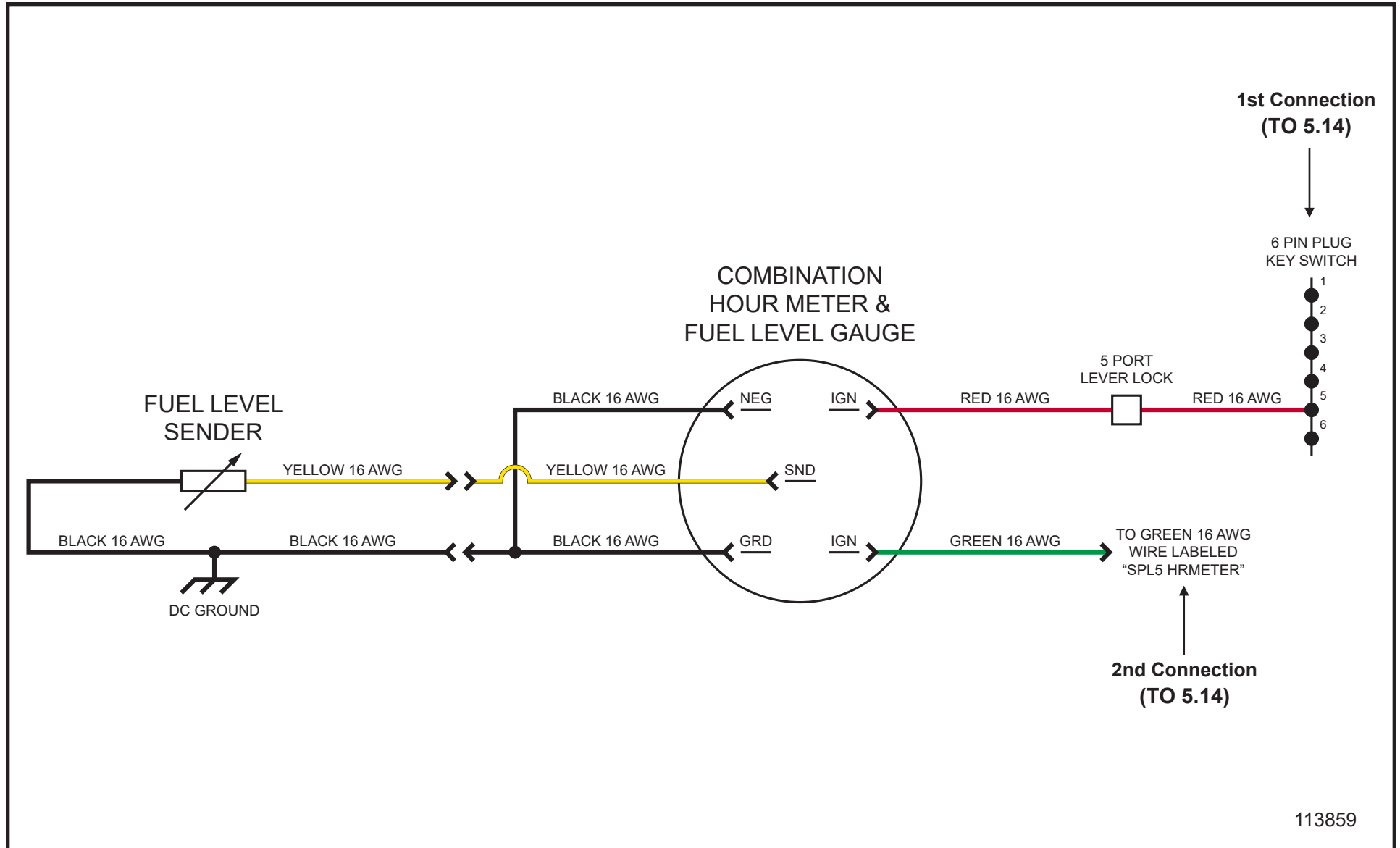


5.11 - 4 LED Lights 4 Relays Schematic

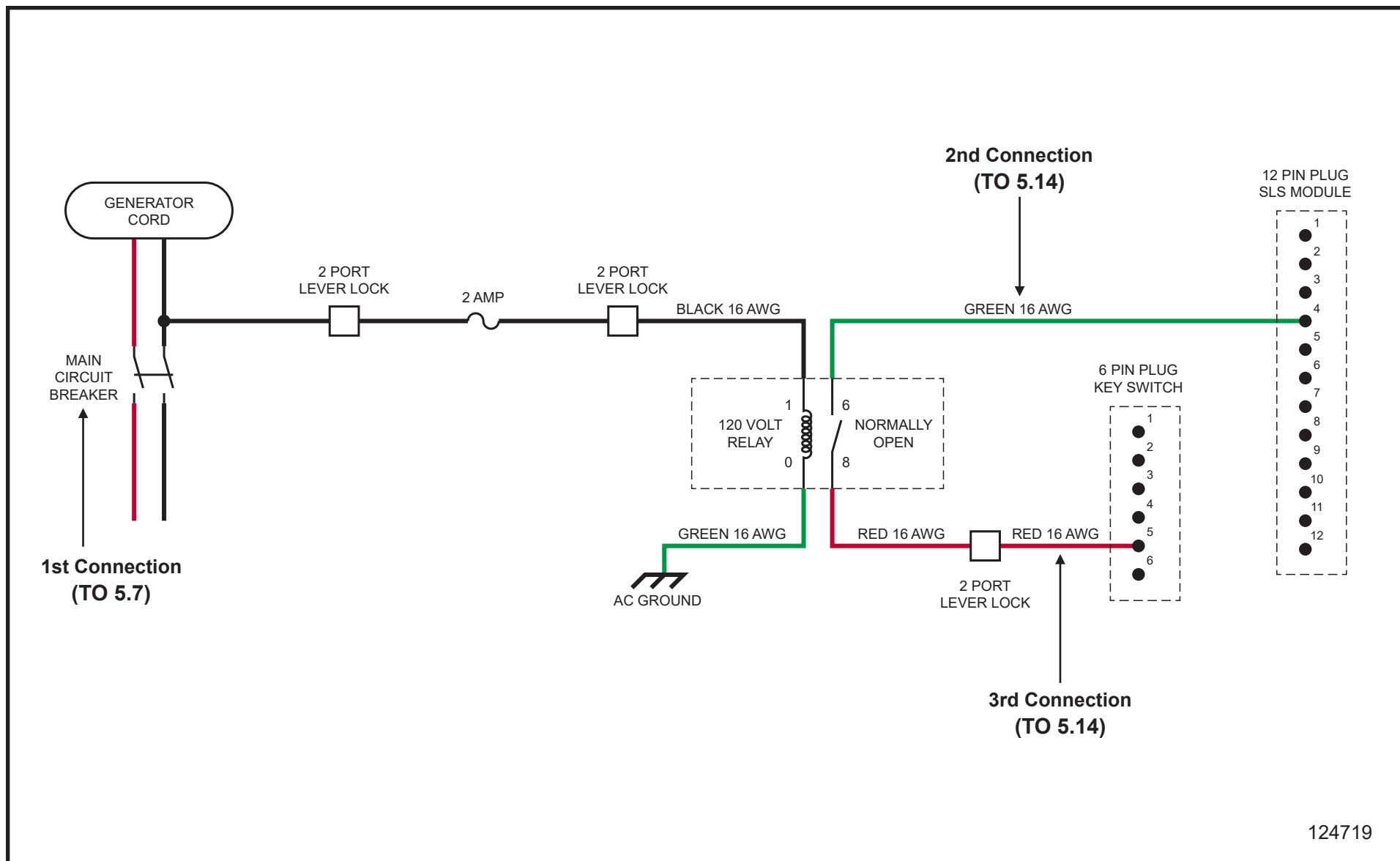


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5.12 - Fuel / Hour Gauge Schematic



5.13 - Engine Run SLS Relay Schematic



124719

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5.14 - Chief PDM and SLS Harness Schematic

124704

7th Connection (TO 5.13)

5th Connection (TO 5.13)

4th Connection (TO 5.11)

6th Connection (TO 5.12 or 5.13)

3rd Connection (TO 5.4 or 5.5)

1st Connection (TO 5.4 or 5.5)

2nd Connection (TO 5.4 or 5.5)

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