



Body Wiring Manual



1996–2001 Aeromaster on Freightliner Chassis

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Revision Control

Revision B
Revision A

March 2005
December 2004

The latest updates and other information about parts and service will be available for viewing and downloading at www.utilimaster.com.

Important Notices

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Title: *1996–2001 Aeromaster on Freightliner Chassis—Body Wiring Manual*

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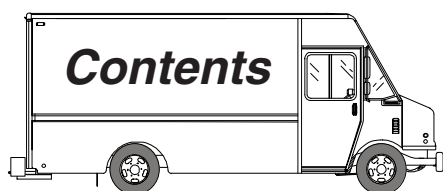
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Introduction

This manual (P/N 03102353-WY96EN) illustrates electrical wiring diagrams for Aeromaster® walk-in bodies on the **Freightliner “strip” chassis Model Years 1996 to 2001** and the **Oshkosh “strip” chassis built in Model Year 1995**.

This manual does **not** cover the “M2000” Models 31, 32, or 35 starting in 2001 or the “Straight Rail” Models 40, 41, or 42. Wiring diagrams are dependent on model and year of the Freightliner chassis. (See the Wiring Manual Chart section below.)

To determine your vehicle’s Freightliner Chassis Model Number and corresponding Utilimaster Body Model Number, see the Model Numbers section.

This manual covers only those components manufactured by or installed by Utilimaster® Corporation. Items such as chassis and drive train components or certain interior options are covered by separate manufacturer-supplied information. Not all options are included in this manual and some numbers may have changed.

If your vehicle is equipped with a VACS system, supplementary information is in *Vehicle Access*

Controls System for Utilimaster Walk-In Vans Operation and Service Manual (P/N 03102103). To order that manual, call 800-237-7806 (574-862-3219), fax 574-862-7637, or email **CustSvc@Utilimaster.com**.



All information, specifications, and illustrations contained in this manual are based on the latest product information available at the time of publication. However, because of the Utilimaster policy of continual product improvement, Utilimaster reserves the right to amend the information in this document at any time without prior notice.

NOTE: *These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline where it applies.*

Wiring Manual Chart

Model Year	Utilimaster Body Model Number	Manual Part Number
1996-2001	31, 32, 35	03102353-WY96EN
2001-2002	31, 35	03102353-WY01EN
2001-2004	32	
2001 and Later	40, 41, 42	

NOTE: In 2002, the Utilimaster Model 31 was replaced by the Model 41 and the Model 35 was replaced by the Model 40. Utilimaster’s Model 32 was discontinued in 2004. In 2005 the Model 42 was added. Cross-reference Utilimaster’s Body model numbers with Freightliner’s models in the Model Numbers section.

NOTE: See the More Information section about obtaining other manuals.

Model Numbers

Utilimaster builds bodies on Freightliner chassis designated by the Gross Vehicle Weight Rating (GVWR) and can be referenced by either Freightliner's Chassis Model or Utilimaster's Body Model Number. The fifth and sixth digits in the VIN Number indicate Freightliner's Chassis

Model number which can be cross-referenced with Utilimaster's Body Model Number. (See the chart below.) There are differences that affect some parts and options between the Models and Model Years. Our Customer Service Department will gladly help if you need assistance.

VIN Positions 5 and 6 — Model, GVWR			Utilimaster Body Model	
Code	Chassis Model	GVWR	1996–2002	2002–Later
A5	MT 55	14,001 to 16,000 Class 4	31	41 and 42
AM	MT 35	9,001 to 10,000 Class H	32	32
AN	MT 45	14,001 to 16,000 Class 4	35	40
AP	MT 45	16,001 to 19,500 Class 5	35	40
AR	MT 55	19,500 to 26,000 Class 6	31	41 and 42
AS	MT 55	26,001 to 33,000 Class 7	31	41 and 42
BG	MT 55	16,001 to 19,500 Class 5	31	41 and 42
BH	MT 35	10,001 to 14,000 Class 3	32	32
BJ	MT 45	10,001 to 14,000 Class 3	35	40

VIN Positions 7 and 8 — Engine, Brakes				
Code	Chassis Model	Engine		Brakes
BV	MT 45 and 55	Cummins	5.9 Liter	Air
BW	MT 45 and 55	Cummins	5.9 Liter	Hydraulic
BX	MT 45 and 55	Cummins	5.9 Liter	Air over Hyd
CN	MT 45	MBE-900 Mercedes	4.3 liter	Air
CR	MT 45	MBE-900 Mercedes	4.3 liter	Air over Hyd
C5	MT 35	Cummins	3.9 liter	Air over Hyd
C6	MT 35	Cummins	3.9 liter	Air
C7	MT 35	Cummins	3.9 liter	Hydraulic
Electronic Cummins engines are Black in color. Older Mechanical Cummins engines are Tan in color.				

Finding Information

The Contents lists *sections* (and their respective *pages*) containing wiring diagrams and other information. The Index lists *pages* on which the indexed topics can be found.

Sheet numbers indicated by last two digits in the drawing number (lower right-hand corner of the drawing when viewed at the normal viewing angle) refer to the engineering drawing page numbers but are *not* in numerical order. These numbers are *not* meant to match the manual section or page numbers.

NOTE: If you are using the Adobe Acrobat version of this document printing out pages for detailed study is recommended because of the 90° rotation of the diagrams. Printing individual pages or a range of pages from the Acrobat Reader is easily accomplished by selecting File, Print, and then the desired print range.



WARNING: Connecting unauthorized devices to the vehicle's wiring can potentially cause vehicle malfunction, damage, fire, personal injury, and/or voiding of the warranty. Contact Utilimaster before connecting any devices to the vehicle's wiring other than plugging into a supplied accessory outlet (cigarette lighter).

Reporting Safety Defects

United States Only

If you believe that your vehicle has a defect that could cause a crash, injury, or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA), in addition to notifying Utilimaster.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Utilimaster.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at **800-424-9393** (or **202-366-0123** in the Washington, D.C., area) or write to:

NHTSA

U.S. Department of Transportation

400 Seventh Street

Washington, DC 20590

You can also obtain other information about motor vehicle safety from the Hotline.

Canada Only

If you believe that your Canadian-registered vehicle has a defect that could cause a crash, injury, or death, you should immediately inform Transport Canada, in addition to notifying Utilimaster.

To contact Transport Canada, call **800-333-0510** (or **613-993-9851** in the Ottawa region) or write to:

Transport Canada

Motor Vehicle Defect Investigation

PO Box 8880

Ottawa, Ontario, K1G 3J2

VIN, Body Serial Number, and Work Order Numbers

MANUFACTURED BY:				GVWR 5216 KG (11500 LB)		TIRES		RIMS		COLD INFLATION PRESSURE		THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN.	
65906 STATE ROAD 19		UTILIMASTER CORPORATION		FRONT 1995 KG (4400 LB)		LT225/75R16E		16X6K		448 KPA (65 PSI)		VEHICLE ID. NO.: XXXXXXXXXXXXXXXXXXXX	
P.O. BOX 585												VEHICLE TYPE: TRUCK	
WAKARUSA, INDIANA 46573-0585				INTERM(N/A KG (N/A LB)		N/A		N/A		N/A KPA (N/A PSI)		UNIT SERIAL NO.: XXXXXXXXXXXXXXXXXXXX	
DATE OF MANUFACTURE: APRIL 2000												WXXXXXXXX	
INCOMPLETE VEHICLE MANUFACTURED BY:													
DATE INC. VEH. MFD.: FEBRUARY 2000				REAR 3538 KG (7800 LB)		LT225/75R16E		16X6K		448 KPA (65 PSI)			

LA-5
Federal Certification Label

The 15-digit **Utilimaster Body (or Unit) Serial Number** is recorded on the **Federal Certification Label**. This label is a plastic decal (about 11" long and 2" high) that contains a variety of manufacturing information (including the VIN). This label is found between the quarter window and door. (See Illustrations LA-5 and LA-15).

The 17-digit chassis **Vehicle Identification Number (VIN)** is the legal identifier for this vehicle and is the number recorded in the license plate registration. The VIN appears on a small metal plate on the dash on the driver's side. You can read the VIN if you look through the quarter-panel window. (See Illustration LA-10.) The number is also recorded on the Federal Certification Label. (See Illustration LA-5.)

A 7-digit (including a leading W) **Work Order Number** appears below the Unit Serial Number on the Federal Certification Label. (See Illustration LA-5.)



LA-10
Vehicle Identification Number



LA-15
Federal Certification Label and VIN Plate on Door Post

More Information

Download Files

Many support documents, including those described here, are downloadable (as Adobe® Acrobat® PDF files) from our award-winning web site at www.utilimaster.com. Click on the **Technical Manuals** button, to access the download page. To view the files you must have the Adobe Acrobat Reader version 4.0 or higher installed on your computer. Acrobat readers are available free for all leading computer operating systems on the Adobe web site (www.adobe.com).

Utilimaster Quick Reference Parts Guide

Easily find commonly replaced parts for most Utilimaster vehicles in the *Utilimaster Quick Reference Parts Guide*. This illustrated document includes part numbers for door hardware, electrical components, mirrors, vents, mud flaps, roll-up door parts, and many other parts. It also includes sealants and repair kits.

Utilimaster Detailed Parts, Service, and Wiring Manuals

Find parts, routine maintenance procedures, troubleshooting, proper adjustment methods, vehicle repair, aftermarket upgrades, and much more in the Aeromaster parts, service, and wiring manuals.

Utilimaster Glossary of Terms

If you are not familiar with some of the terminology used in this manual, you can find many Utilimaster and industry associated terms and definitions in the *Utilimaster Glossary of Terms—Body Information Guide*.

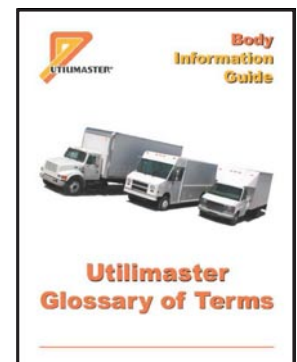
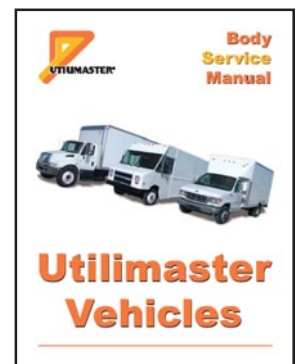
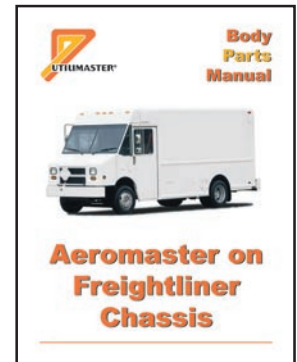
Contact Utilimaster

Browse our site for more information about Utilimaster and its products or contact Utilimaster Customer Service by using one of the following methods:

- Call 800-237-7806 (or 574-862-3219).
- Fax to 574-862-7637.
- Email to CustSvc@Utilimaster.com.
- Mail to the following address:

Utilimaster
Attn: Customer Service Department
65528 State Road 19
P.O. Box 585
Wakarusa, IN 46573-0585
U.S.A.

NOTE: When phoning Utilimaster, be aware that our 219 telephone area code changed to 574 in January 2002. The 800 numbers were unaffected.



Safety Considerations—Notes, Cautions, and Warnings

As you read through the procedures, you will come across NOTES, CAUTIONS, and WARNINGS. Each one is there for a specific purpose.

- **NOTES** give you additional information that will help you to complete the procedure.
- **CAUTIONS** warn you against making an error that could damage the vehicle.
- **WARNINGS** remind you to be careful when there is a risk of personal injury.



Below are some basic WARNINGS that you should heed when you work on the vehicle's body. They are not all inclusive, however, and common sense must be used when servicing vehicles.

- Always wear safety glasses and wear other proper protective equipment (gloves, steel-toed shoes, face shields, knee pads, hearing protection) as appropriate to the process.
- Use safety stands and/or wheel blocks whenever you are underneath the vehicle.
- Put the transmission in Park and set the parking brake before working on the vehicle.
- Be sure that the ignition switch is Off unless otherwise required by the procedure.
- Operate engines only in well-ventilated areas.
- Keep yourself and your clothing away from the radiator fan, belts, and any moving parts when the engine is running.
- Keep hands and other objects clear of the radiator fan blades. The electric fan can start at any time even though the ignition is Off. Disconnect the fan when working under the hood.
- Avoid contact with hot metal parts, such as the radiator or exhaust system.
- Do NOT smoke while working on the vehicle.
- Always remove rings, watches, hanging jewelry, and loose clothing before working on a vehicle. Tie long hair securely behind your head.
- Become familiar with all warning labels.
- Always maintain firm footing and control of tools.
- Use only tools that are in good condition, and use them only in the appropriate manner.
- Get help when needed to avoid injuries caused by overexertion.
- Always be aware of the location of other people and potential trip hazards (e.g., air lines, electrical cords, tools).
- Utilimaster recommends that a licensed automotive air-conditioning specialist work on the vehicle's air-conditioning (HVAC) system.
- Avoid breathing A/C refrigerant and lubricant vapor or mist. Exposure may irritate eyes, nose, and throat. To remove R-134a from the A/C system use service equipment certified to meet the requirements of SAE J2210 (R-134a recycling equipment). If accidental system discharge occurs, ventilate work area **before** resuming service. Additional health and safety information may be obtained from refrigerant and lubricant manufacturers.

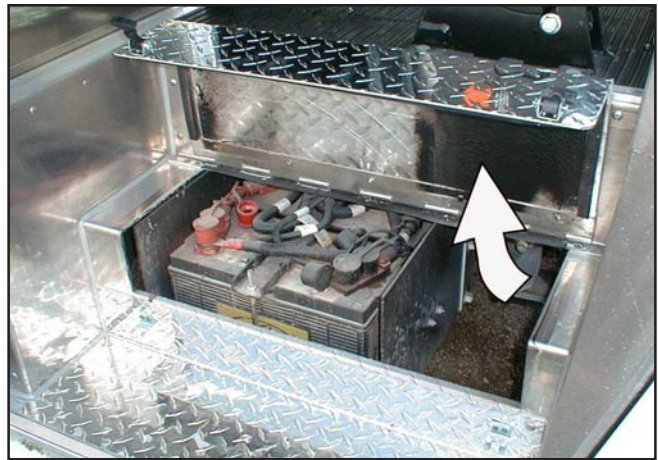
Battery



WARNING: To avoid accidental shock or damage to the vehicle, disconnect the battery before servicing an electrical component. Check your chassis-supplied operation or service information for specific recommendations.



WARNING: Always remove the (black) Negative cable(s) first and connect it last.



*Illustration BA-10
Stepwell Battery Access*

Access

NOTE: The batteries on most Aeromasters are located through an access panel in the right-hand stepwell. (See Illustration BA-10.) Otherwise see the Chassis Service Manual.

Disconnection

1. Make sure the ignition switch is Off.
2. Disconnect the **Negative (black)** battery cable(s) **first**. (See Illustration BA-20.)
3. Tuck the battery cable away from the terminal to prevent accidental contact.
4. When servicing the vehicle is finished, reconnect the cable.



*Illustration BA-20
Negative (Black) Cable Disconnected and Tucked Away*

Removal

1. Disconnect battery. (See the Disconnection Section.)
2. Remove the Positive battery cable(s).
3. Remove the battery hold-downs.
4. Note the location of the posts and remove the battery from the vehicle.

Installation

1. Install the battery in the battery tray—**in the same orientation**.
2. Secure the battery hold-downs.
3. Connect the battery cables, Negative last.

NOTE: Remember to fasten the access panel.

Wiring Diagrams

1—Codes and Symbols

WIRE COLOR CODE:

BK - BLACK
BR - BROWN
DB - DARK BLUE
DG - DARK GREEN
GY - GRAY
LB - LIGHT BLUE
LG - LIGHT GREEN
OR - ORANGE
PK - PINK
RD - RED
YL - YELLOW
VT - VIOLET
WT - WHITE

WIRE GAUGE CHART:

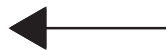
18 - 18 GA
16 - 16 GA
14 - 14 GA
12 - 12 GA

NOTES:

- 1) All connectors are shown in the **load (wire lead insertion)** position.
- 2) Special customer options may not be covered by these diagrams.
- 3) Wire colors on some optional equipment may vary from this document.

SYMBOL CODE:

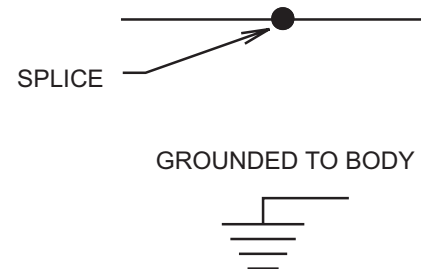
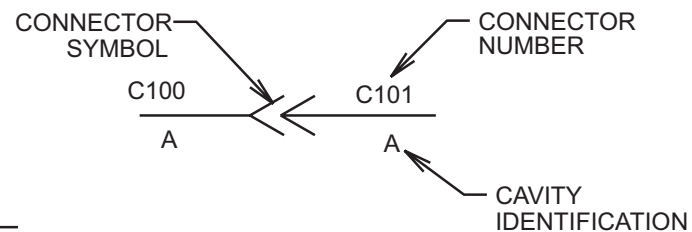
CONTINUE TO
ANOTHER SHEET



CONTINUED FROM
ANOTHER SHEET



CONNECTOR WITH NO
NUMBER ASSIGNED



CIRCUIT AND CONNECTOR CODE:

500 BK 14

WIRE GAUGE SIZE
WIRE COLOR
CIRCUIT NUMBER

C100
COWL CONNECTOR
12020991

CONNECTOR NUMBER
DESCRIPTION
PART NUMBER

CIRCUIT NUMBER IDENTIFICATION

2—Circuit Number Identification

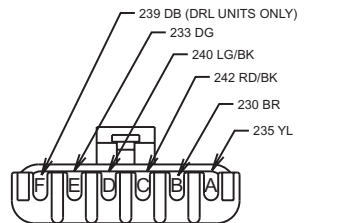
CIRC No.	COLOR	DESCRIPTION	CIRC No.	COLOR	DESCRIPTION	CIRC No.	COLOR	DESCRIPTION
110	PINK W/ BLACK STRIPE	IGNITION POWER	257	LIGHT BLUE	AUXILIARY SWITCH	*927	BLACK W/ WHITE STRIPE	LEFT DOOR SOLENOID 1
120	ORANGE	WIPER POWER	258	LIGHT BLUE W/ WHITE STRIPE	AUXILIARY SWITCH	*928	BLACK W/ WHITE STRIPE	RIGHT DOOR SOLENOID 1
130	RED	CIGARETTE LIGHTER POWER	280	LIGHT BLUE W/ RED STRIPE	ILLUMINATION	*929	BLACK W/ WHITE STRIPE	BLKHD DOOR SOLENOID 1
150	RED	BATTERY POWER	350	BLACK W/ PINK STRIPE	DOOR AJAR SIGNAL	*930	BLACK W/ WHITE STRIPE	RIGHT DOOR SOLENOID 2
170	RED	AUXILIARY BATTERY POWER	500	BLACK	GROUND	*931	BLACK W/ WHITE STRIPE	LEFT DOOR SOLENOID 2
200	DARK BLUE	DOME LIGHT POWER	510	BLACK W/ WHT STRIPE	WIPER MOTOR GROUND	*933	BLACK W/ WHITE STRIPE	BLKHD DOOR SOLENOID 2
220	YELLOW	CARGO LIGHTS	520	BLACK	DOME LIGHT GRD	*934	RED	COMMUNICATION BUS HIGH
222	YELLOW W/ BLACK STRIPE	CARGO LIGHTS (3 WAY SWITCH)	530	BLACK	HVAC GROUND	*935	BLACK	COMMUNICATION BUS LOW
224	YELLOW W/ WHITE STRIPE	CARGO LIGHTS (3 WAY SWITCH)	540	BLACK	FRONT LIGHT GROUND	*936	RED	KEYLESS POWER
230	BROWN	TAIL/RUNNING LIGHTS	700	DARK BLUE W/ WHITE STRIPE	BLOWER MOTOR POWER (HVAC)	*940	YELLOW	STARTER RELAY
231	BROWN W/ WHITE STRIPE	CLEARANCE LIGHTS ONLY	710	DARK GREEN	A/C SIGNAL (HVAC)	*941	YELLOW	ACCESSORY RELAY
232	DARK GREEN	RIGHT TURN/STOP	720	DARK GREEN	A/C SIGNAL (HVAC)	*942	ORANGE W/ BLACK STRIPE	RELAY COMMON
233	DARK GREEN	FRONT RIGHT TURN	721	DARK GREEN W/ WHITE STRIPE	A/C SIGNAL TO COMPRESSOR	*943	PINK	IGNITION RELAY
234	RED	STOP ONLY	731	DARK BLUE	HVAC WATER VALVE SIGNAL	*944	LIGHT BLUE	INTERIOR LIGHT RELAY
235	YELLOW	FRONT LEFT TURN	820	DARK GREEN	WIPER LOW	*945	ORANGE	INTERIOR LIGHT RELAY
236	LIGHT GREEN	BACK UP	830	RED	WIPER HIGH	*946	YELLOW	INTERIOR LGHT RELAY OUTPUT
237	GRAY	UNIVERSAL TURN/STOP	840	GRAY	WIPER PARK	*947	PINK W/ BLACK STRIPE	HORN TRIGGER (GND)
238	YELLOW	LEFT TURN/STOP	890	VIOLET	WASHER MOTOR	*948	LIGHT GREEN	ACC AND IGN RELAY TRIGGER
240	LIGHT GREEN W/ BLACK STRIPE	LO BEAM (HEADLIGHT)	*920	DARK GREEN	EXTERIOR DOOR SWITCH	*950	BLACK	REAR DOOR OPEN SWITCH 2
241	LIGHT GREEN W/ WHITE STRIPE	RIGHT LO BEAM (HEADLIGHT)	*921	DARK GREEN	BULKHEAD DOOR SWITCH	*960	YELLOW	REAR DOOR OPEN SWITCH 1
242	RED W/ BLACK STRIPE	HIGH BEAM (HEADLIGHT)	*922	BLACK	LEFT DOOR OPEN SWITCH 2	*961	BALCK W/ WHITE STRIPE	REAR DOOR SOLENOID 2
243	RED W/ WHITE STRIPE	LEFT HIGH BEAM (HEADLIGHT)	*923	YELLOW W/ BLACK STRIPE	LEFT DOOR OPEN SWITCH 1	*962	BALCK W/ WHITE STRIPE	REAR DOOR SOLENOID 1
254	DARK GREEN	AUXILIARY SWITCH	*924	YELLOW	RIGHT DOOR OPEN SWITCH 1	*970	WHITE	HORN OUTPUT
256	DARK GREEN W/ WHITE STRIPE	AUXILIARY SWITCH	*925	BLACK	RIGHT DOOR OPEN SWITCH 2	*980	DARK GREEN W/ BLACK STRIPE	PASSENGER DOOR OVERRIDE
			*926	YELLOW	BLKHD DOOR OPEN SWITCH 1			

Circit ID - Diagram 58231212ax08 Sheet 8

* SPECIFIC TO THE VACS SYSTEM.

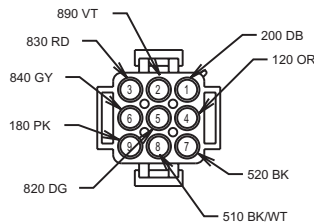
NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilmaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline where it applies.

3—Connectors

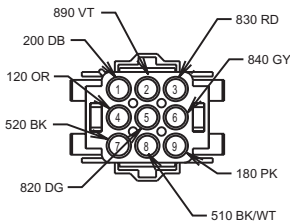


C200
FORWARD LAMP FEED
12015799

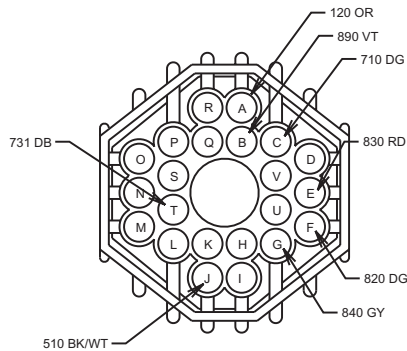
Connectors - Diagram 58230417ax Sheet 2



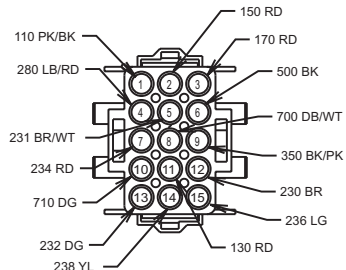
C110
POWER FEED #1 PLUG
770021-1



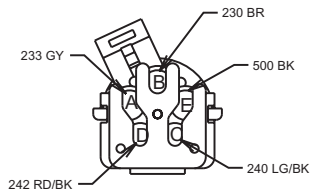
C111
POWER FEED #1 CAP
770028-1



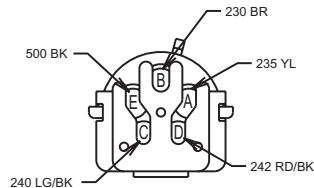
C101
COWL CONNECTOR
12020005



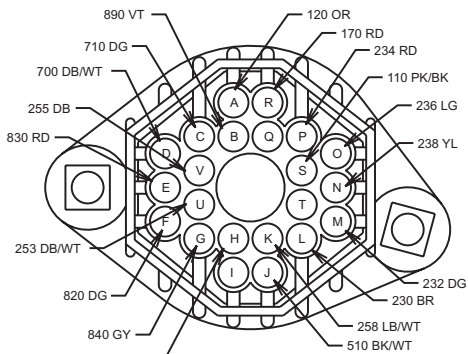
C113
POWER FEED #2 (CAP)
770030-1



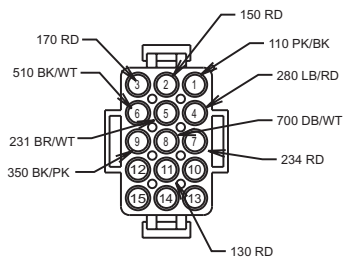
C203
RT HEADLAMP DIST
12034342



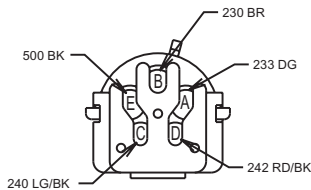
C204
LT HEADLAMP FEED
12065158
UNITS W/O DAYTIME RUNNING LIGHTS



C100
COWL CONNECTOR
12020991



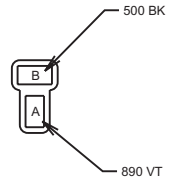
C112
POWER FEED #2 (PLUG)
770023-1



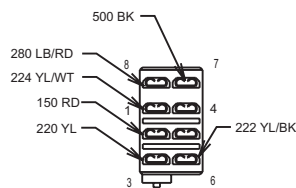
C202
RT HEADLAMP FEED
12065158

3—Connectors

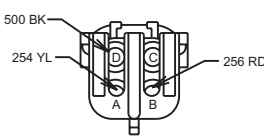
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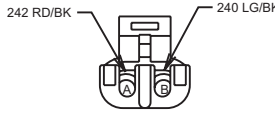
C206
WASHER PUMP
480115-1



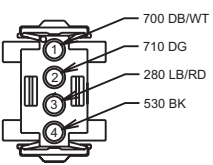
C301
AUXILIARY SW (BATTERY)
999-16716.001



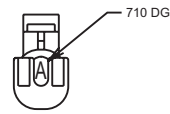
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AUX. HTR (SCS)
12015024



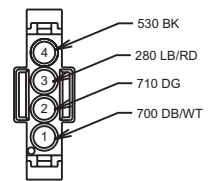
C210
DRL (DAYTIME RUNNING)
12015792



C331
HVAC CONN. (SCS)
770209-1

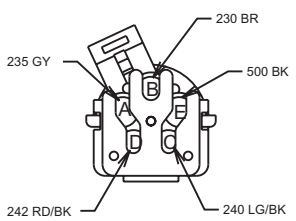


C209
A/C JUMPER
12015791

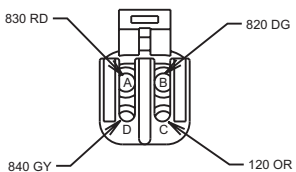


C330
HVAC CONN.
770019-1

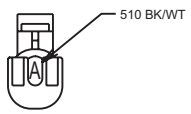
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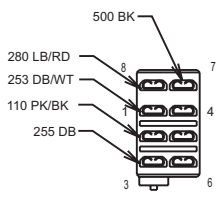
C205
LT HEADLAMP DIST
12034342
UNITS W/O DAYTIME RUNNING LIGHTS



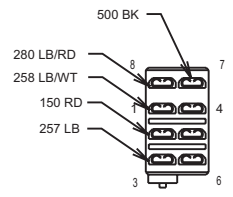
C207
WIPER MOTOR (STD)
12015798



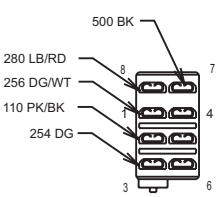
C208
WIPER MOTOR (STD)
12015791



C304
AUXILIARY SW (IGNITION)
999-16716.001



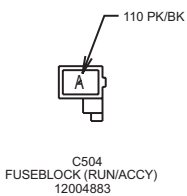
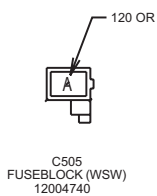
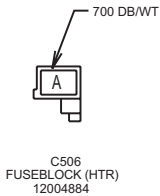
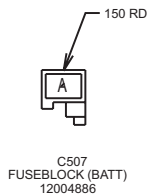
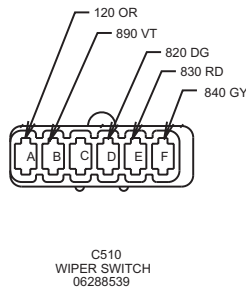
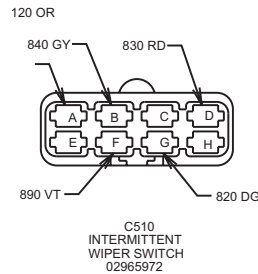
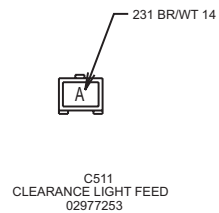
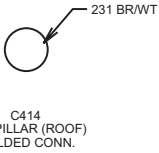
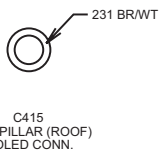
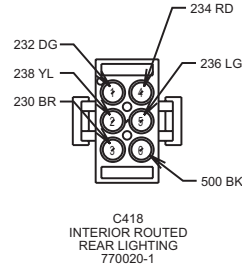
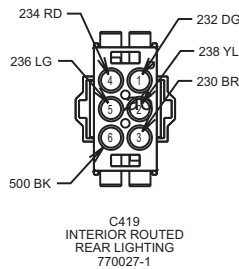
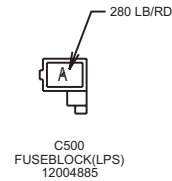
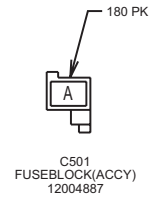
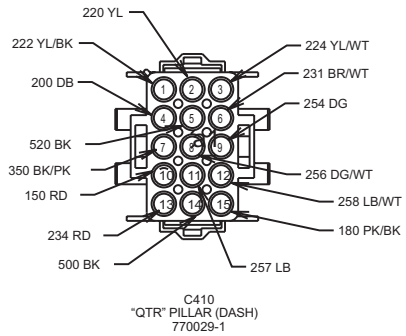
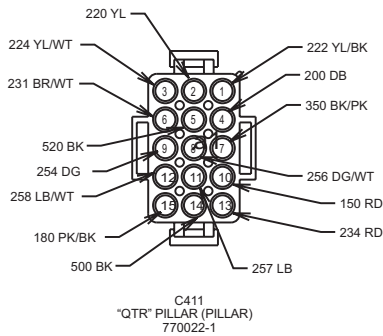
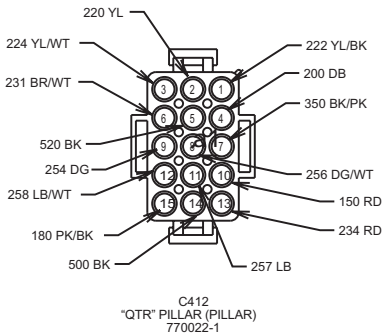
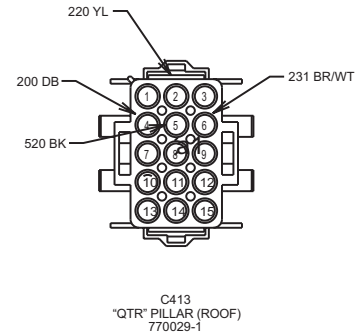
C303
AUXILIARY SW (BATTERY)
999-16716.001



C302
AUXILIARY SW (IGNITION)
999-16716.001

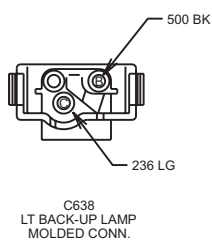
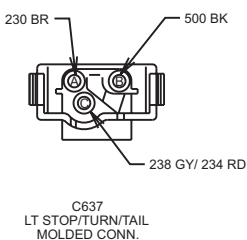
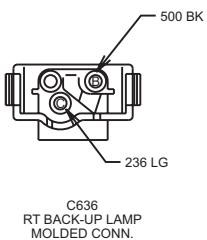
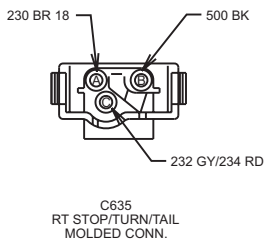
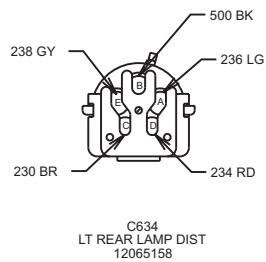
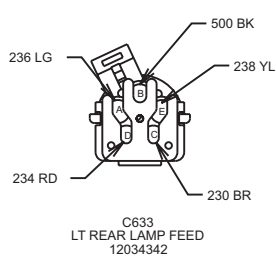
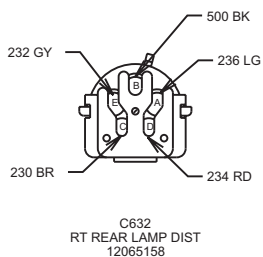
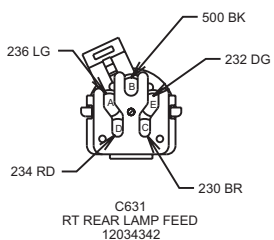
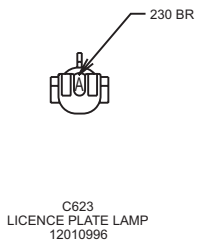
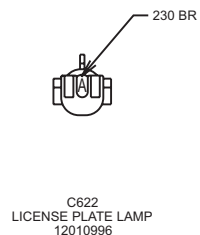
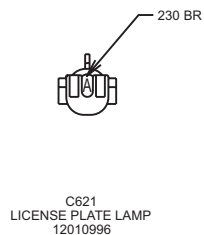
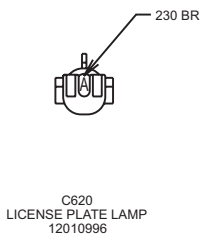
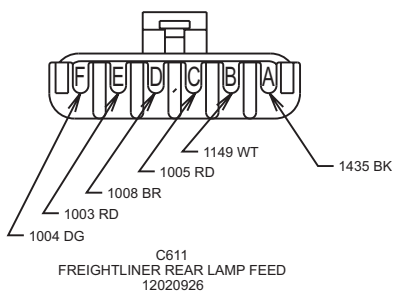
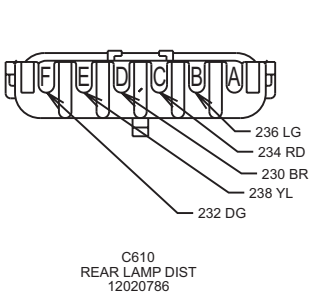
3—Connectors

(continued)



3—Connectors

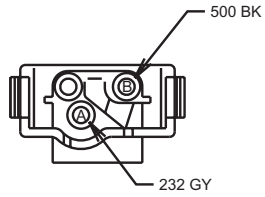
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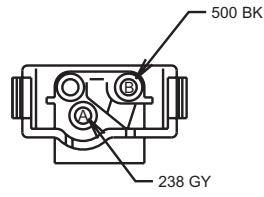
Connectors - Diagram 58230417ax Sheet 5

3—Connectors

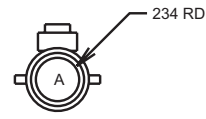
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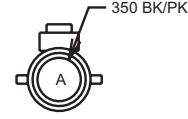
C641
RT REAR TURN LAMP
MOLDED CONN.



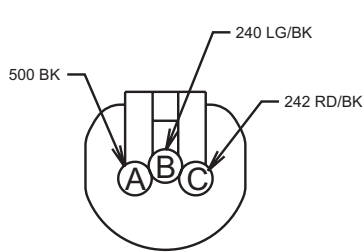
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LT REAR TURN LAMP
MOLDED CONN.



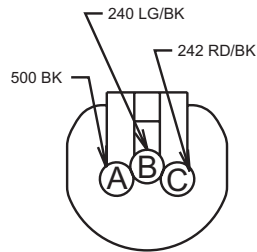
C645
STOP LAMP FEED
12077412



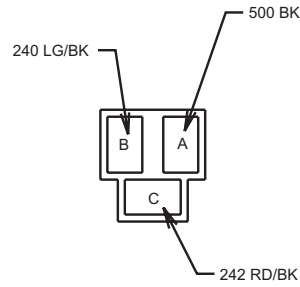
C661
DOOR AJAR
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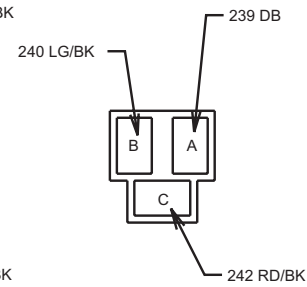
C710
RT HALOGEN HDLP
12048369



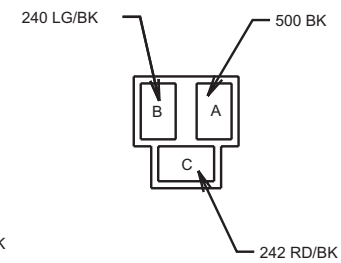
C711
LT HALOGEN HDLP
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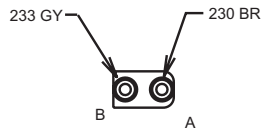
C711
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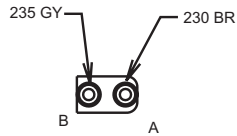
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LT RECT. INCAD. HDLP
W/DRL
12077384



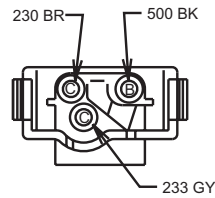
C710
RT RECT. INCAD. HDLP
12077384



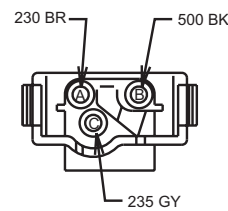
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RT FRONT SDMRKR LAMP
MOLDED CONN.



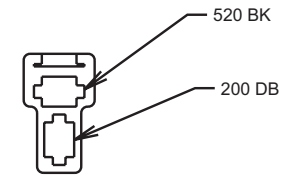
C715
LT FRONT SDMRKR LAMP
MOLDED CONN.



C712
RT FRONT TURN LAMP
MOLDED CONN.

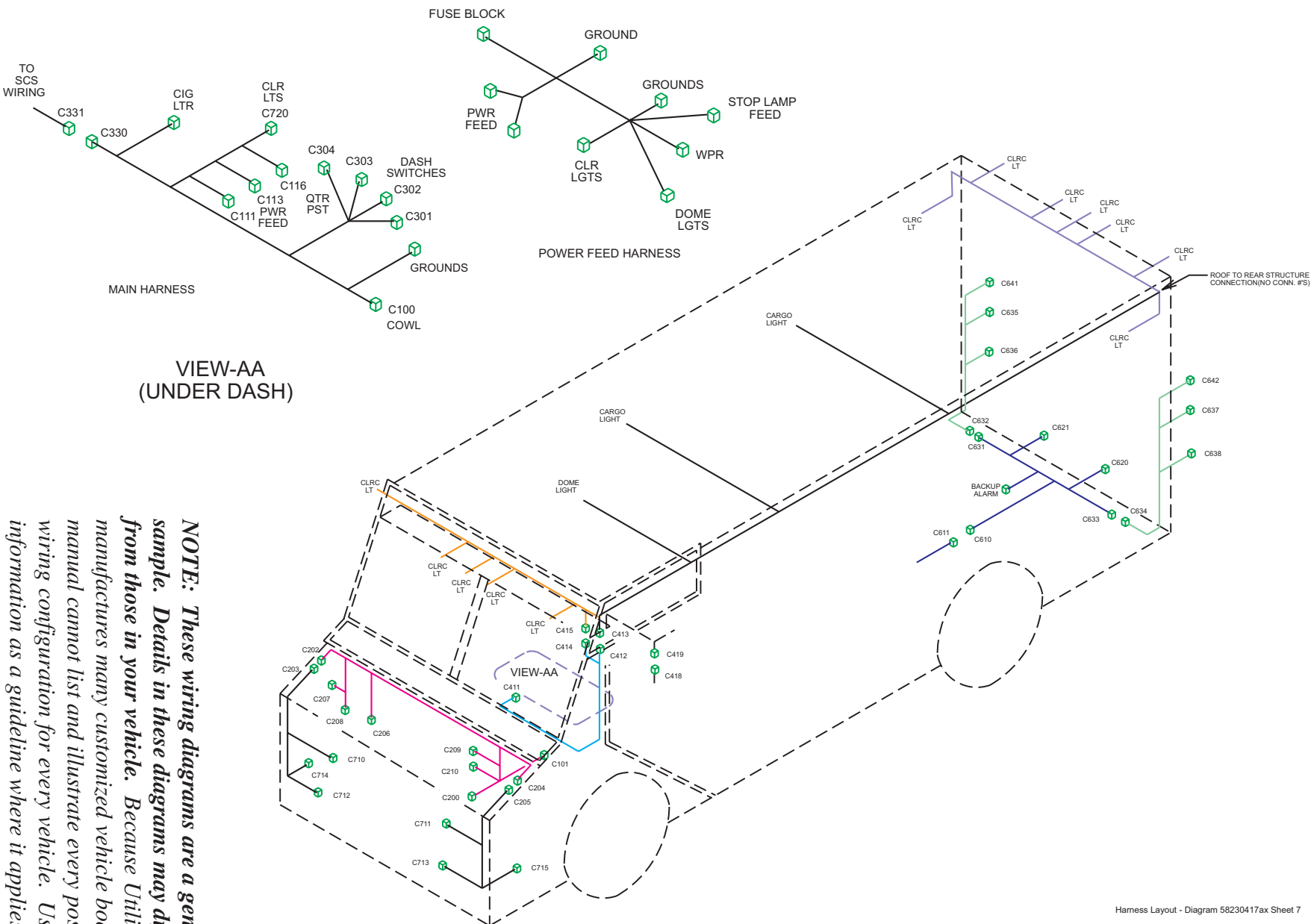


C713
LT FRONT TURN LAMP
MOLDED CONN.

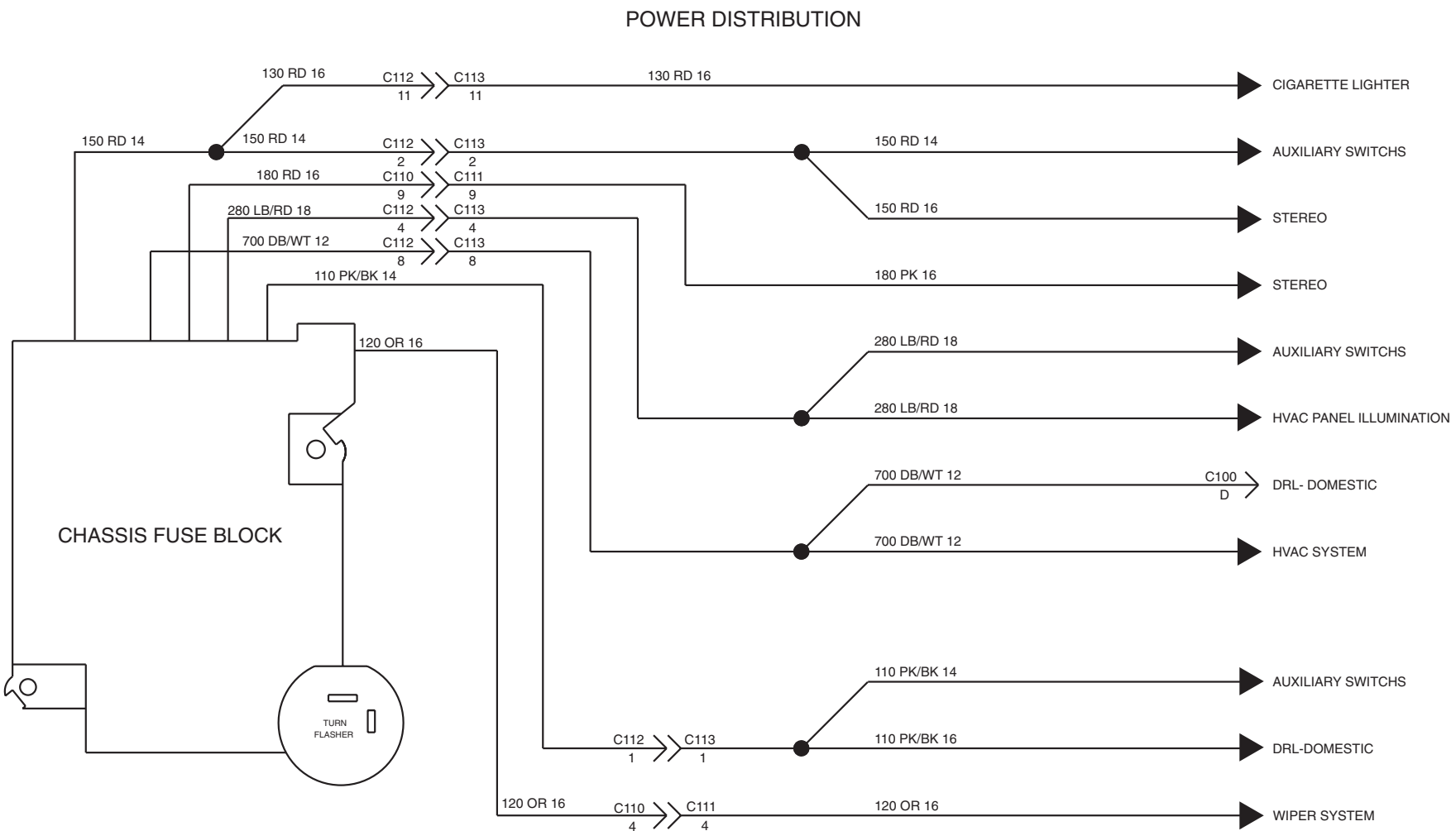


C801
DOME LIGHT CONNECTOR
56 SERIES 2-WAY MALE
02962964

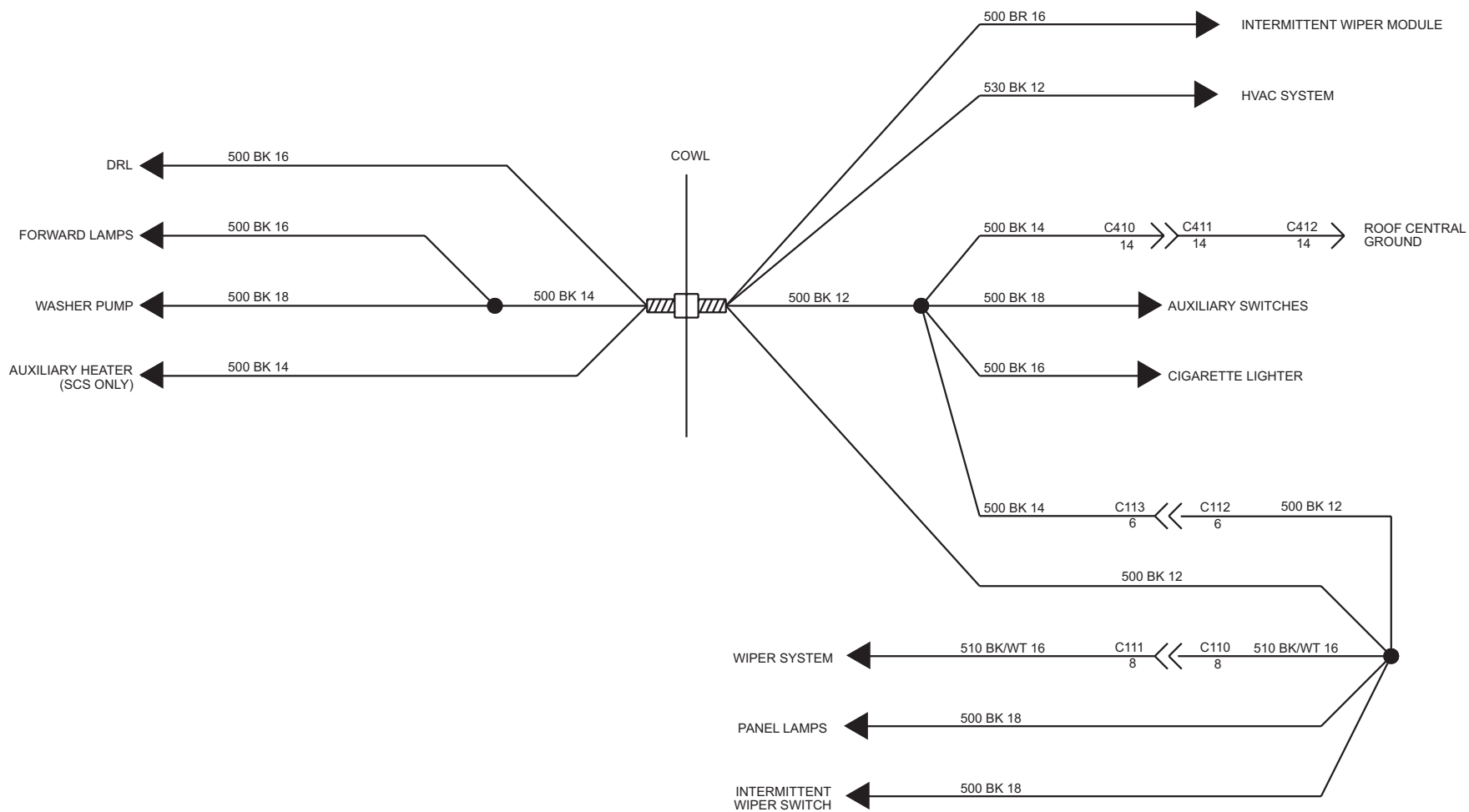
4—Harness Layout (Connector Locations)



Harness Layout - Diagram 58230417ax Sheet 7



GROUNDING SYSTEM

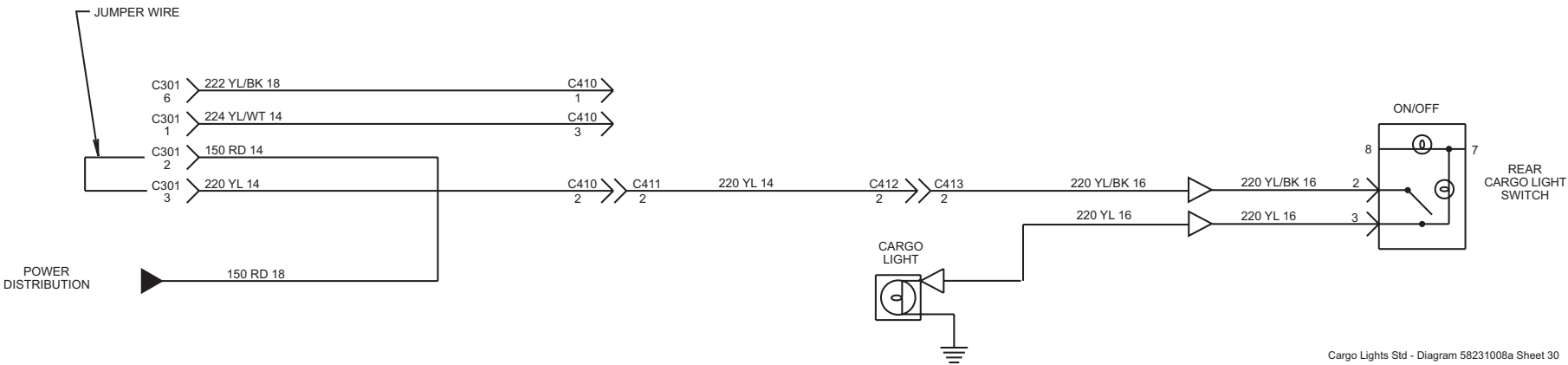


8—Cargo Lamps

Standard

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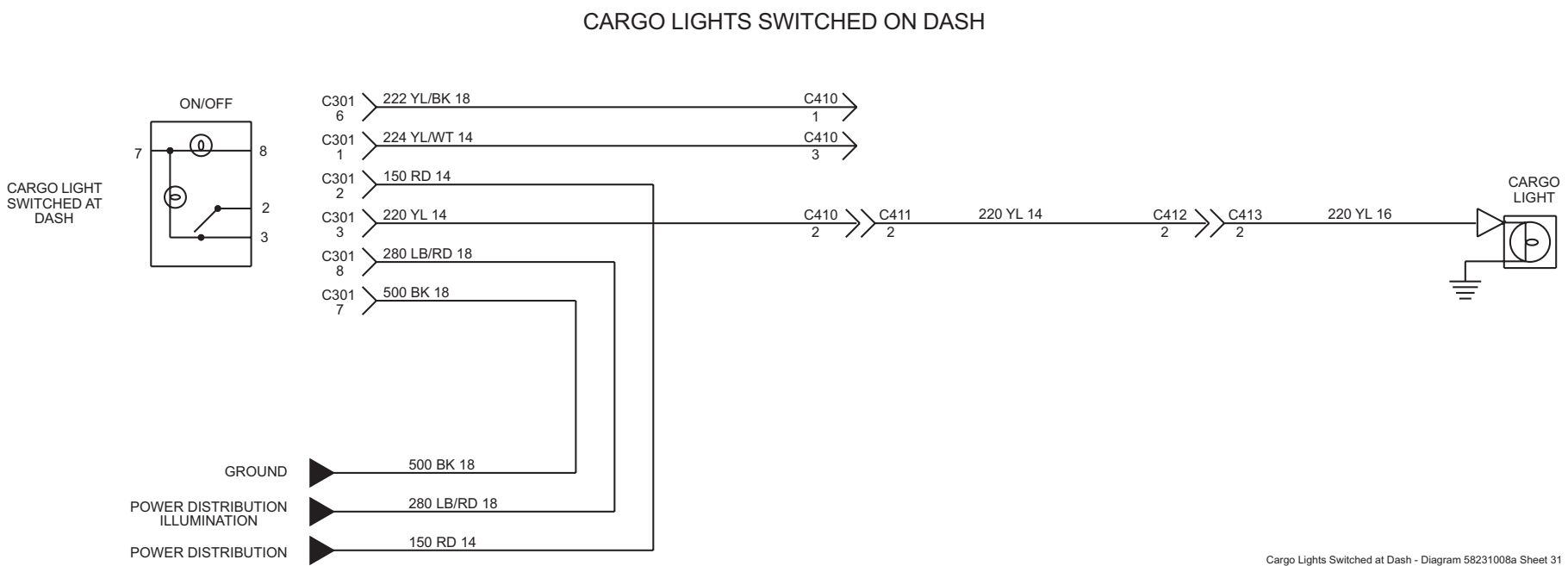
CARGO LIGHTS STANDARD WIRING



Cargo Lights Std - Diagram 58231008a Sheet 30

8—Cargo Lamps

Switch on Dash

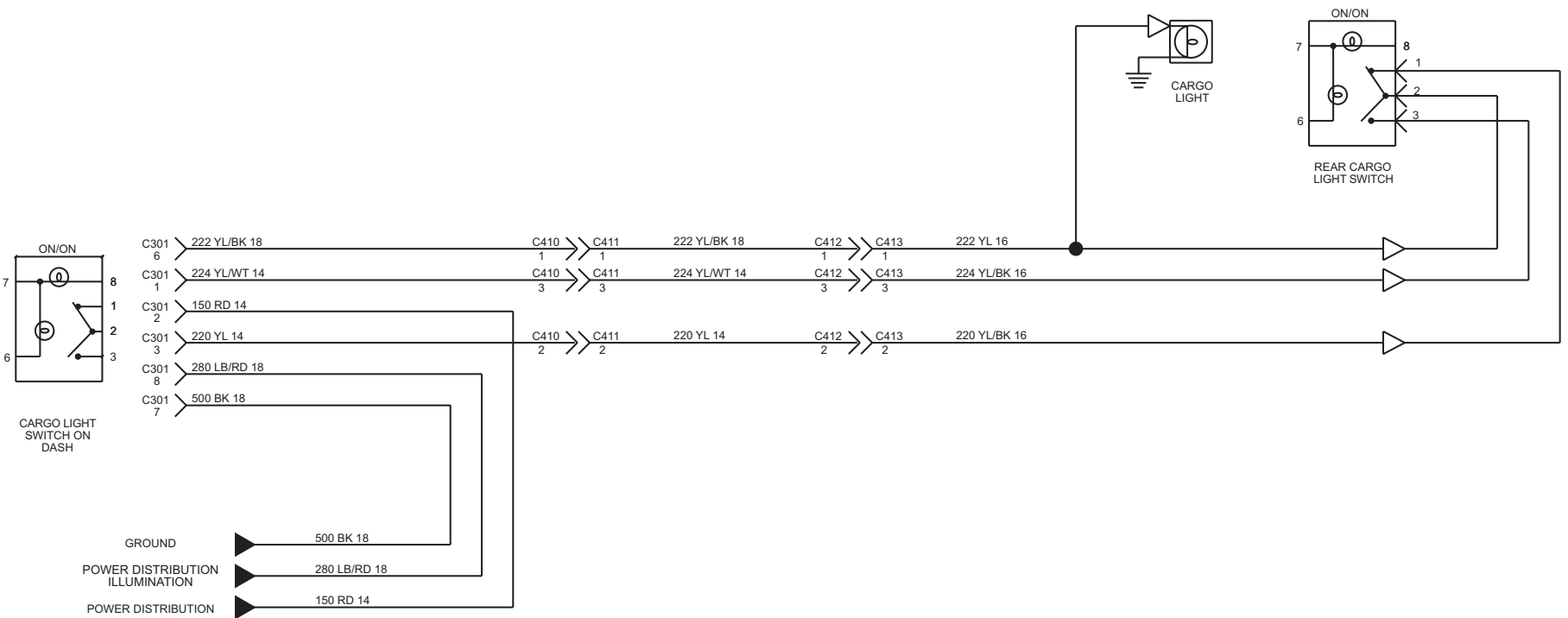


Cargo Lights Switched at Dash - Diagram 58231008a Sheet 31

8—Cargo Lamps

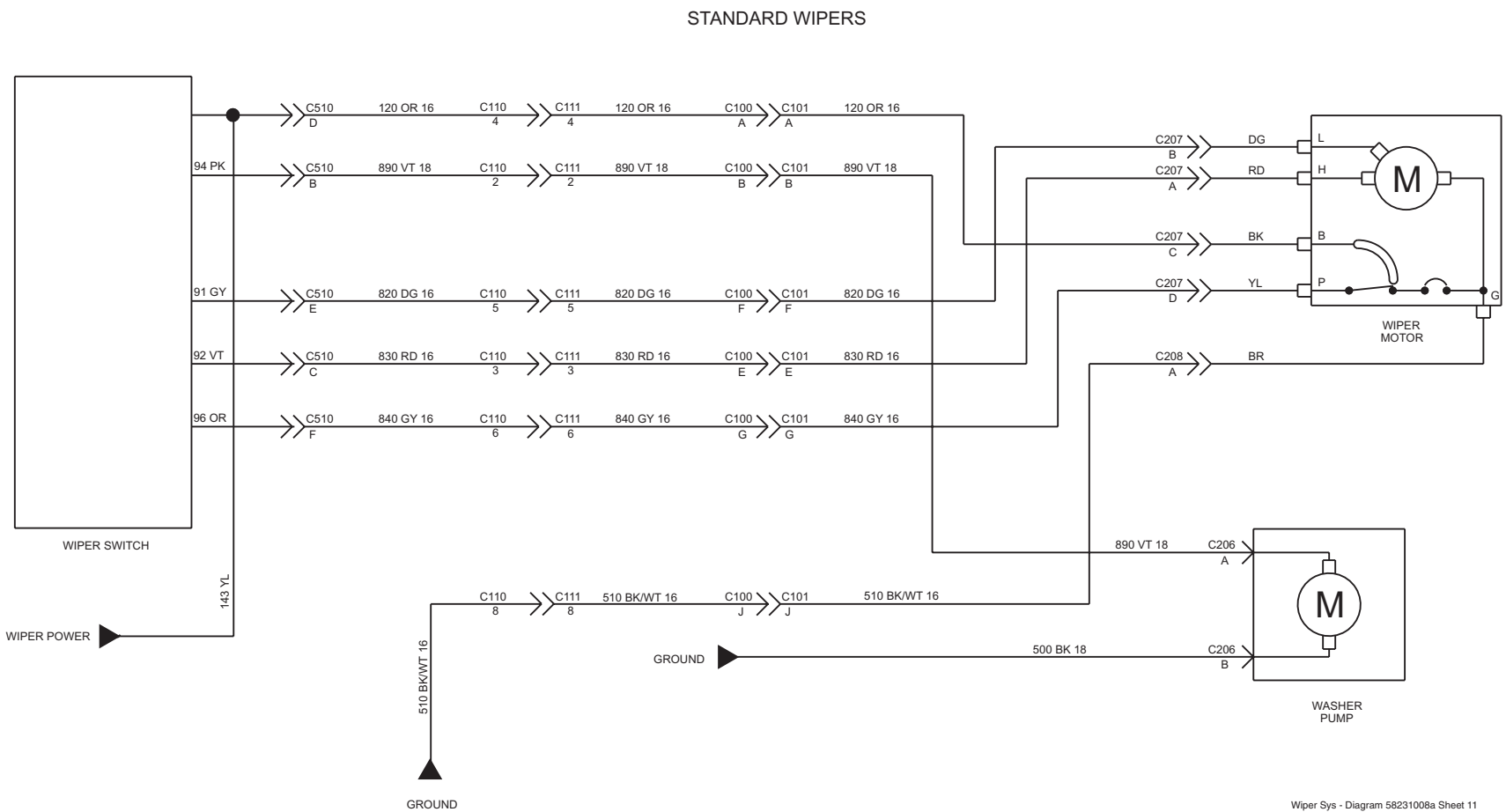
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CARGO LIGHTS 3-WAY SWITCH



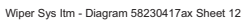
Cargo Lights 3-Way Switch - Diagram 58231008a Sheet 32

9—Wiper System Standard



Wiper Sys - Diagram 58231008a Sheet 11

INTERMITTENT WIPERS

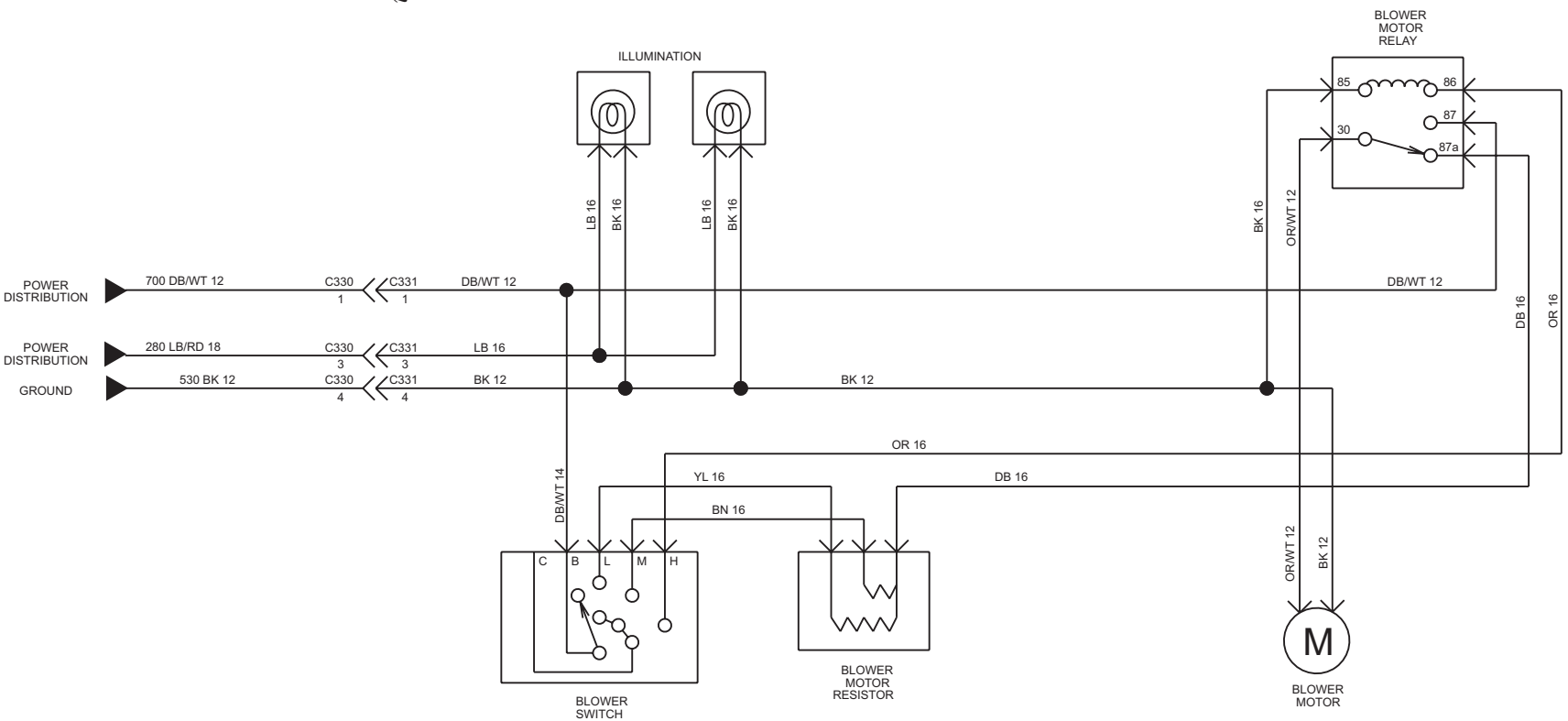


10—Heater Only System

Cable Controls

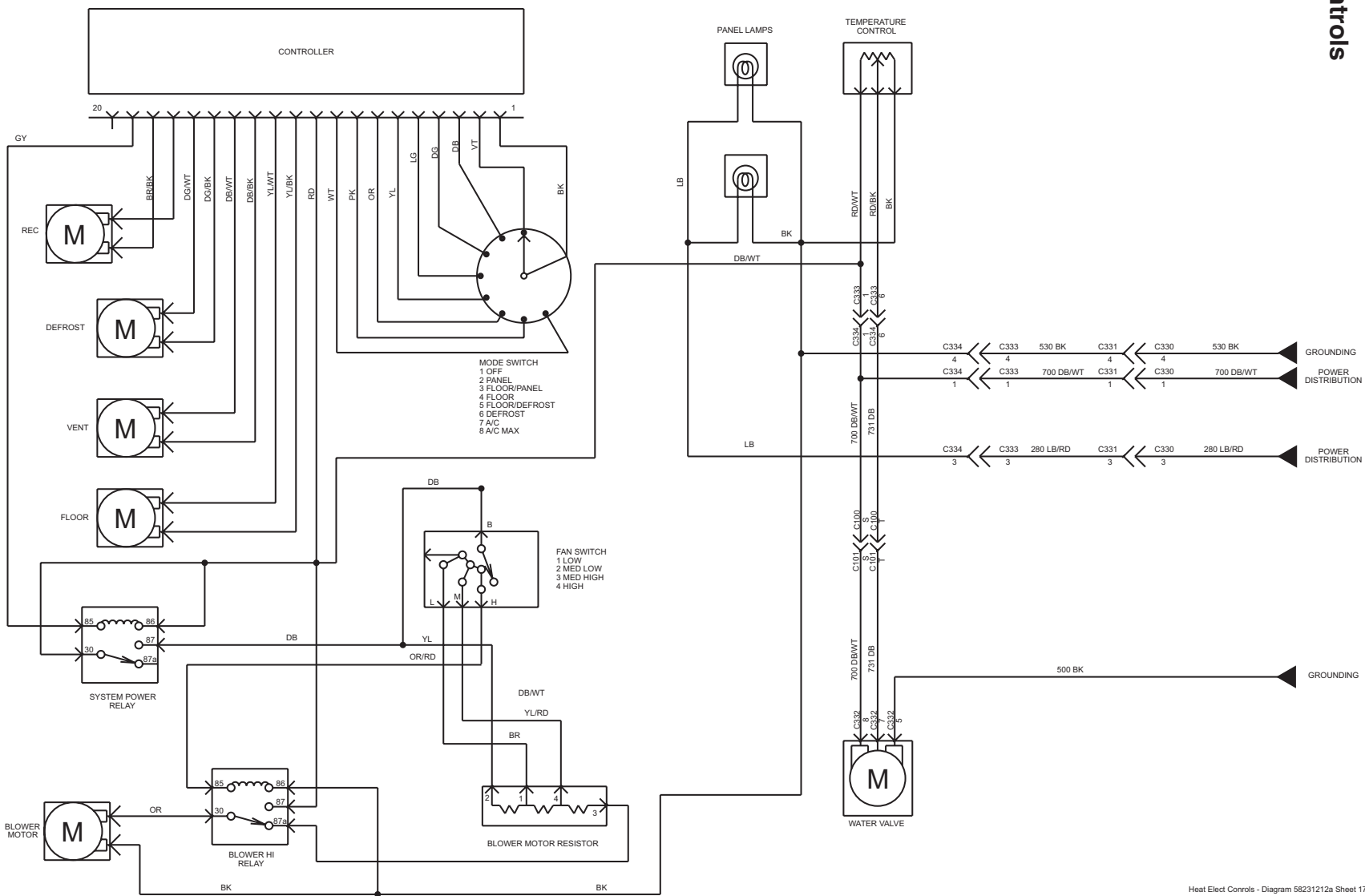
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HEATER ONLY SYSTEM



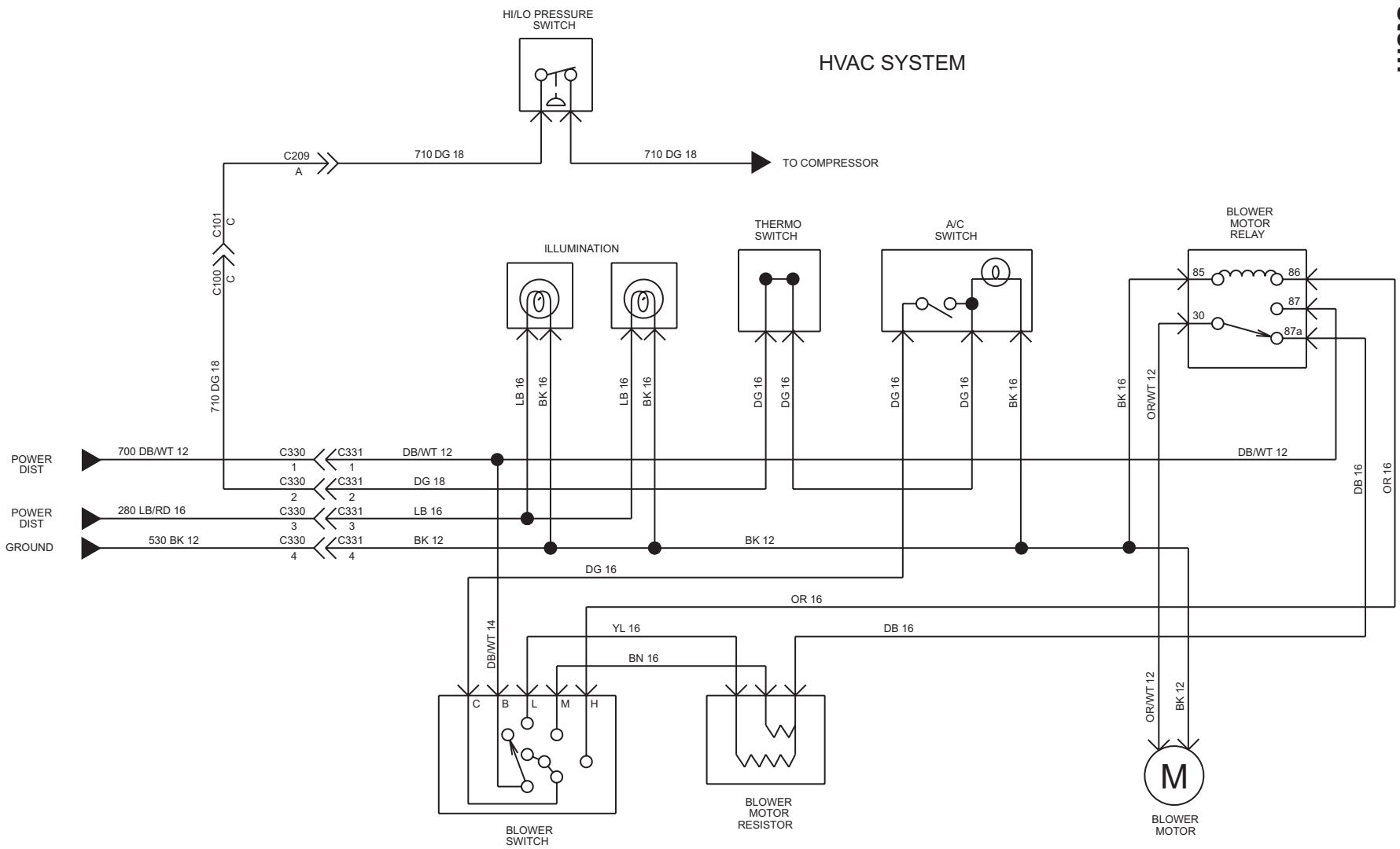
10—Heater Only System Electronic Controls

HEAT ONLY ELECTRONIC CONTROLS



Heat Elect Controls - Diagram 58231212a Sheet 17

11—HVAC System

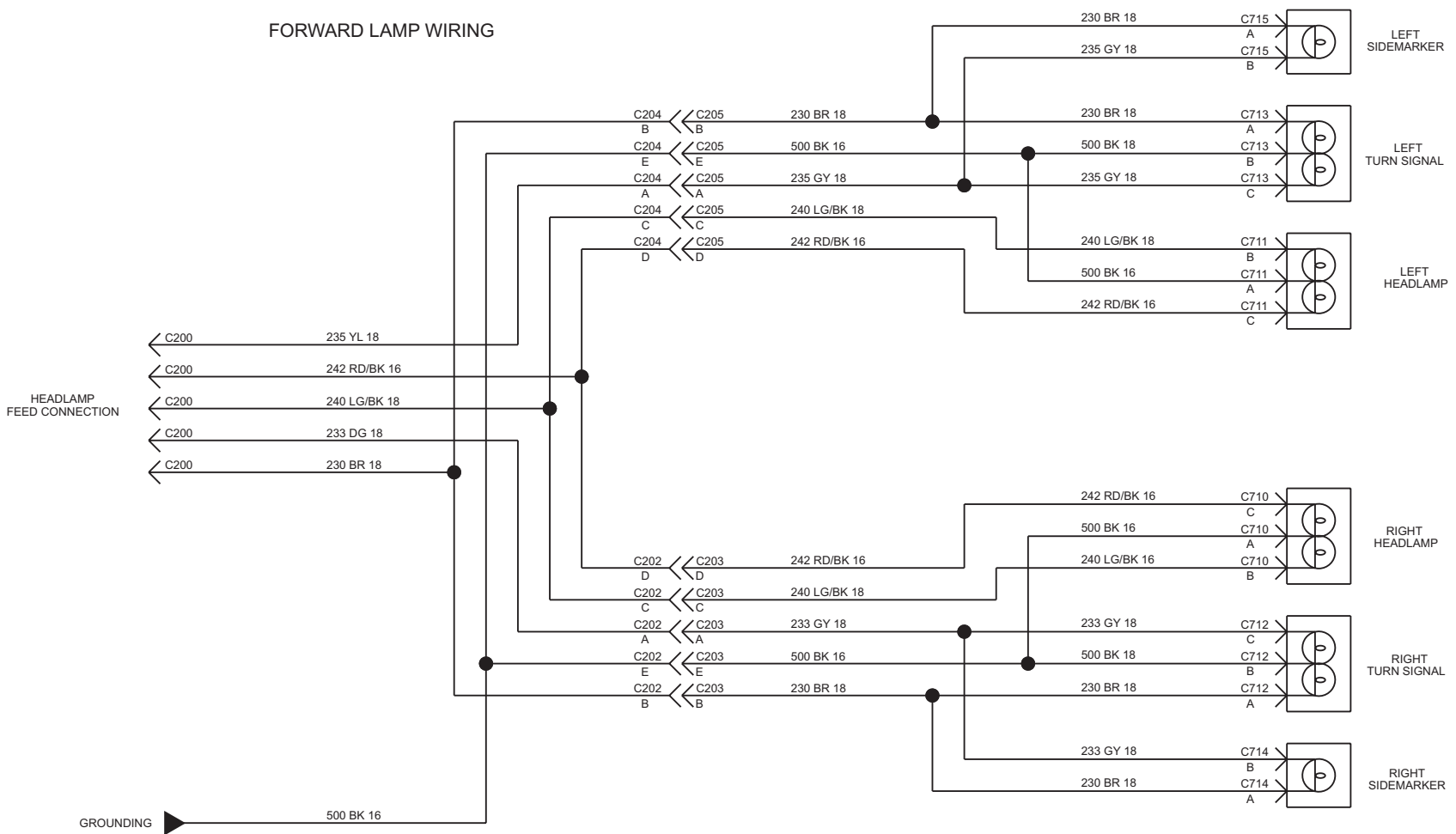


1996–2001 Aeromaster on Freightliner Chassis—Body Wiring Manual



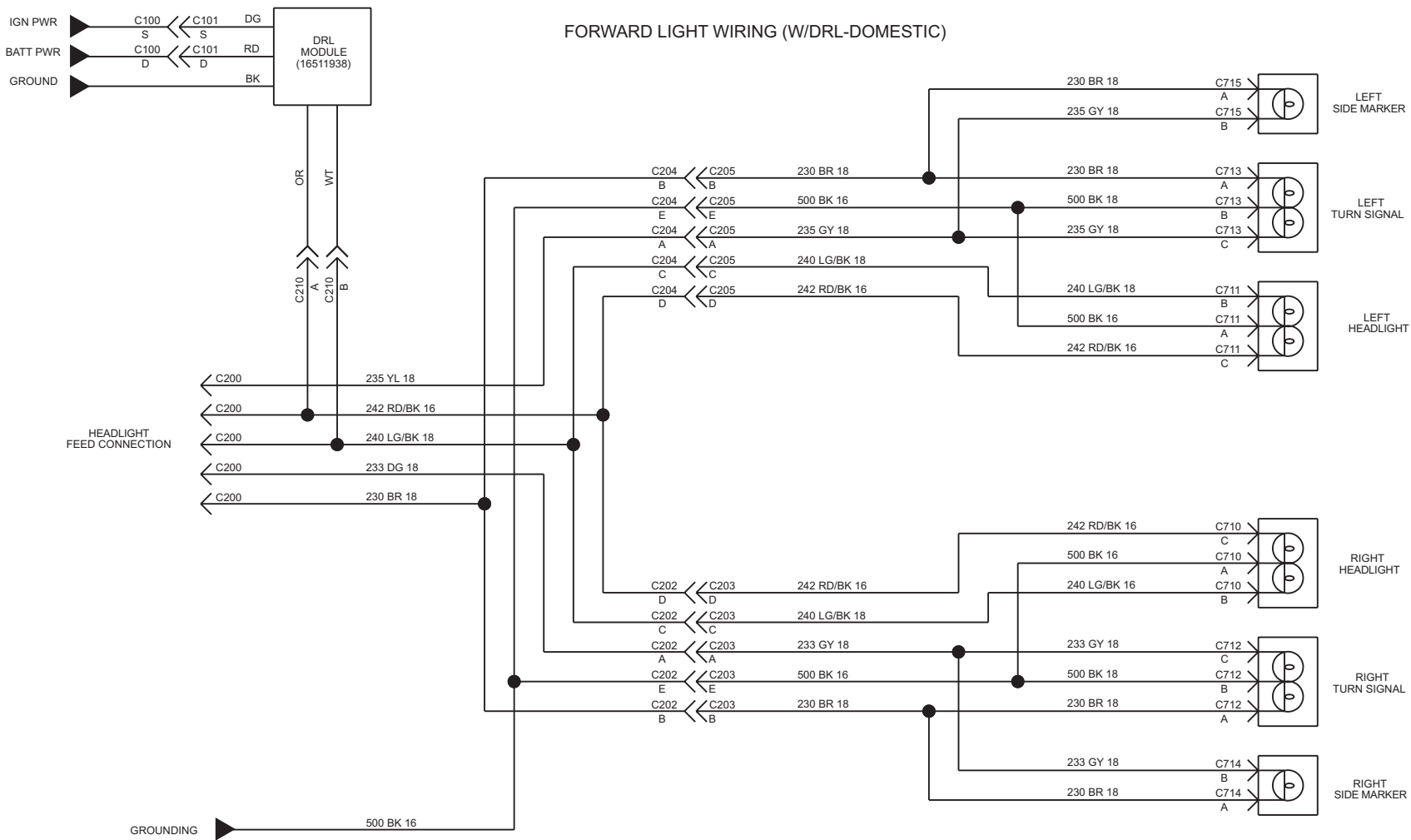
12—Front Light Wiring

Without Daytime Running Lights

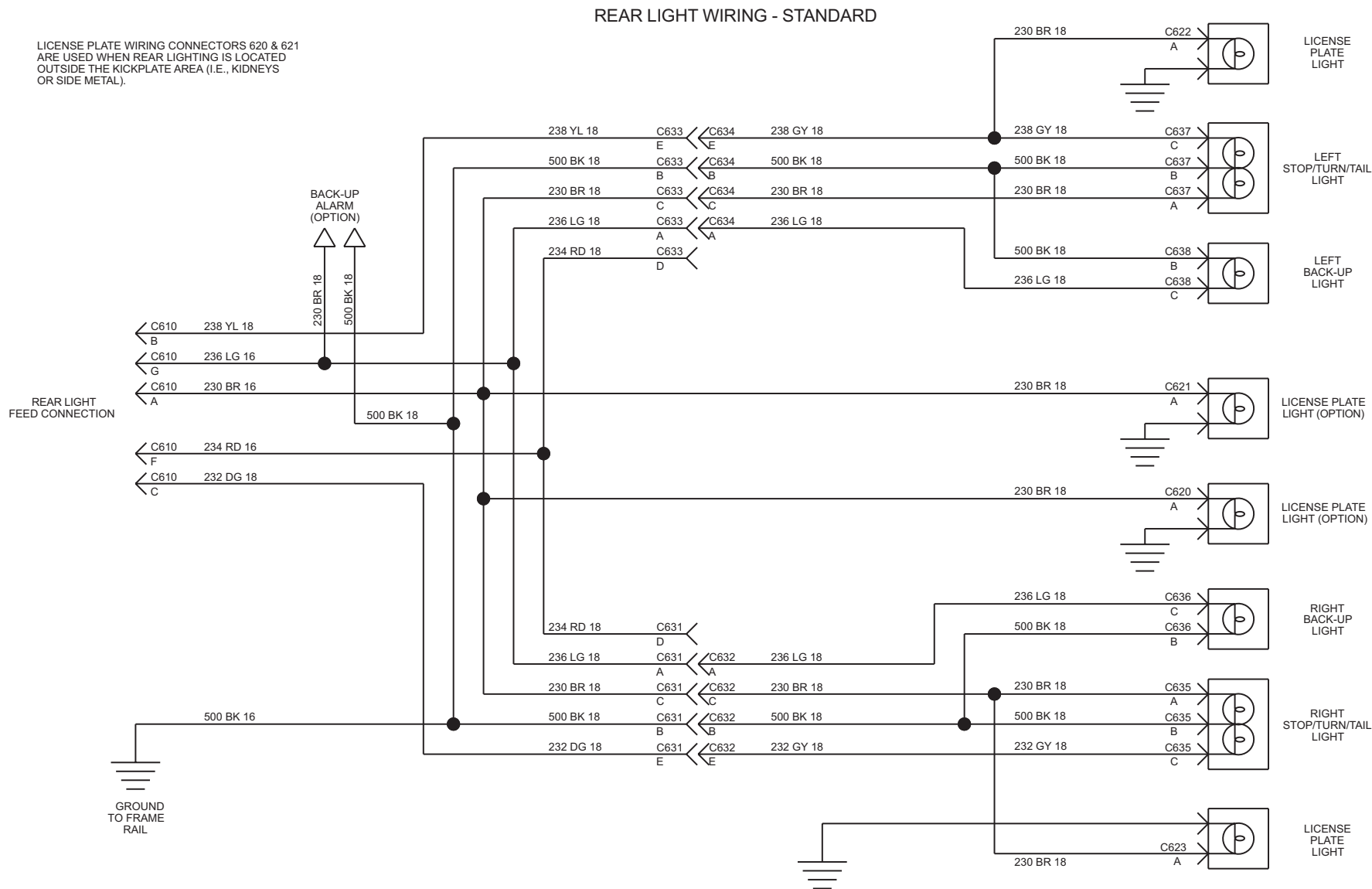


Forward Lamp Wiring Dom W/O DRL and Can W/DRL - Diagram 58231008a16

12—Forward Light Wiring Daytime Running Lights

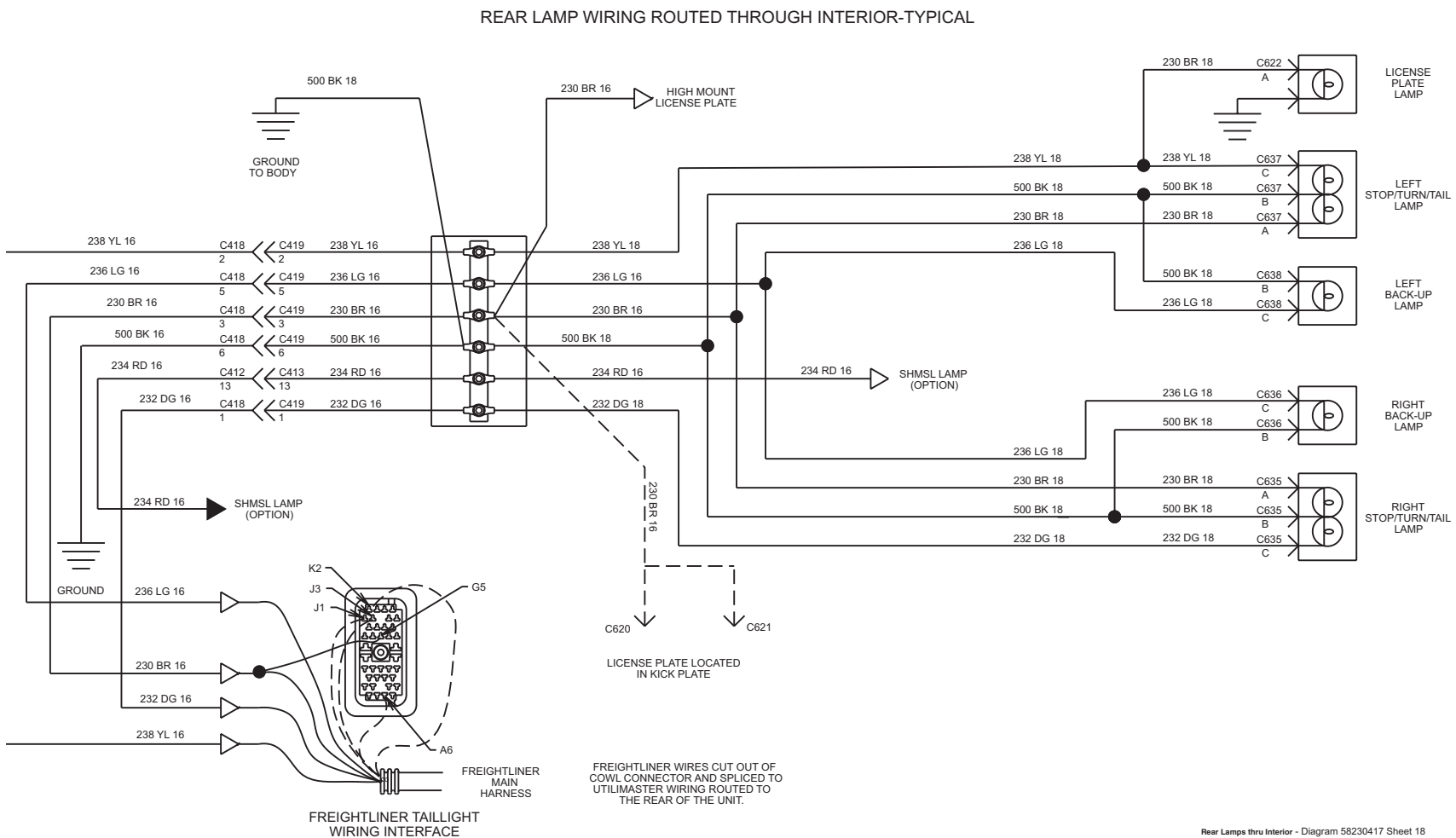


13—Rear Light Wiring Standard



13—Rear Light Wiring

Routed through Interior



Rear Lamps thru Interior - Diagram 58230417 Sheet 18

1996-2001 Aeromaster on Freightliner Chassis—Body Wiring Manual

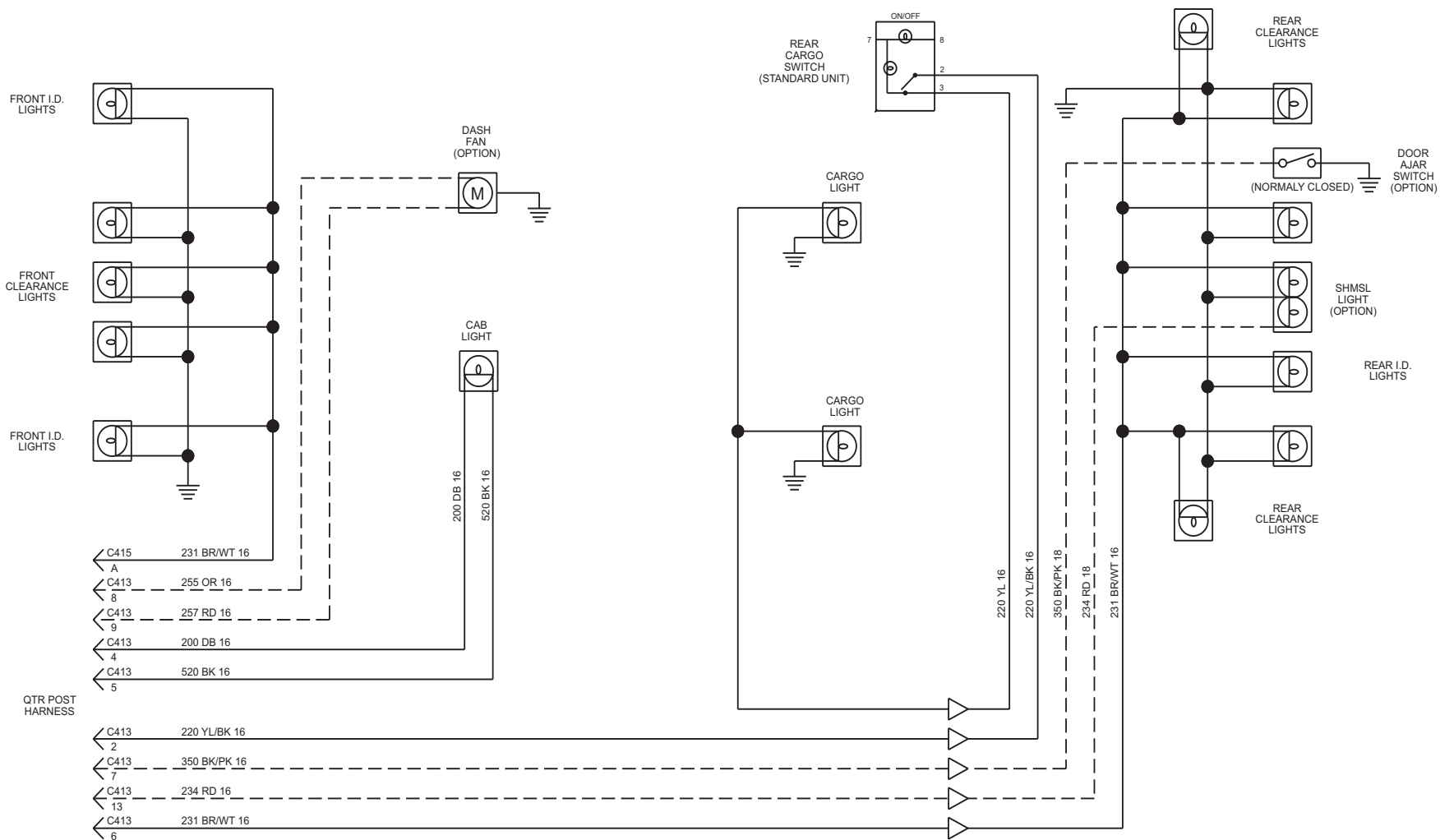


13—Rear Light Wiring



14—Roof Wiring

TYPICAL ROOF WIRING

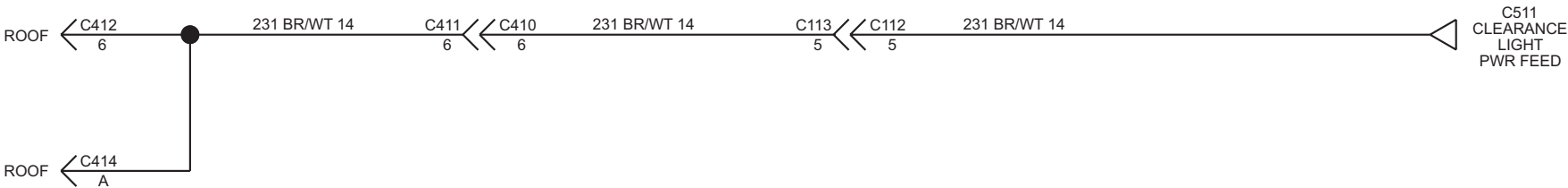


Roof Wiring - Diagram 58231008a Sheet 23

15—Clearance Lights

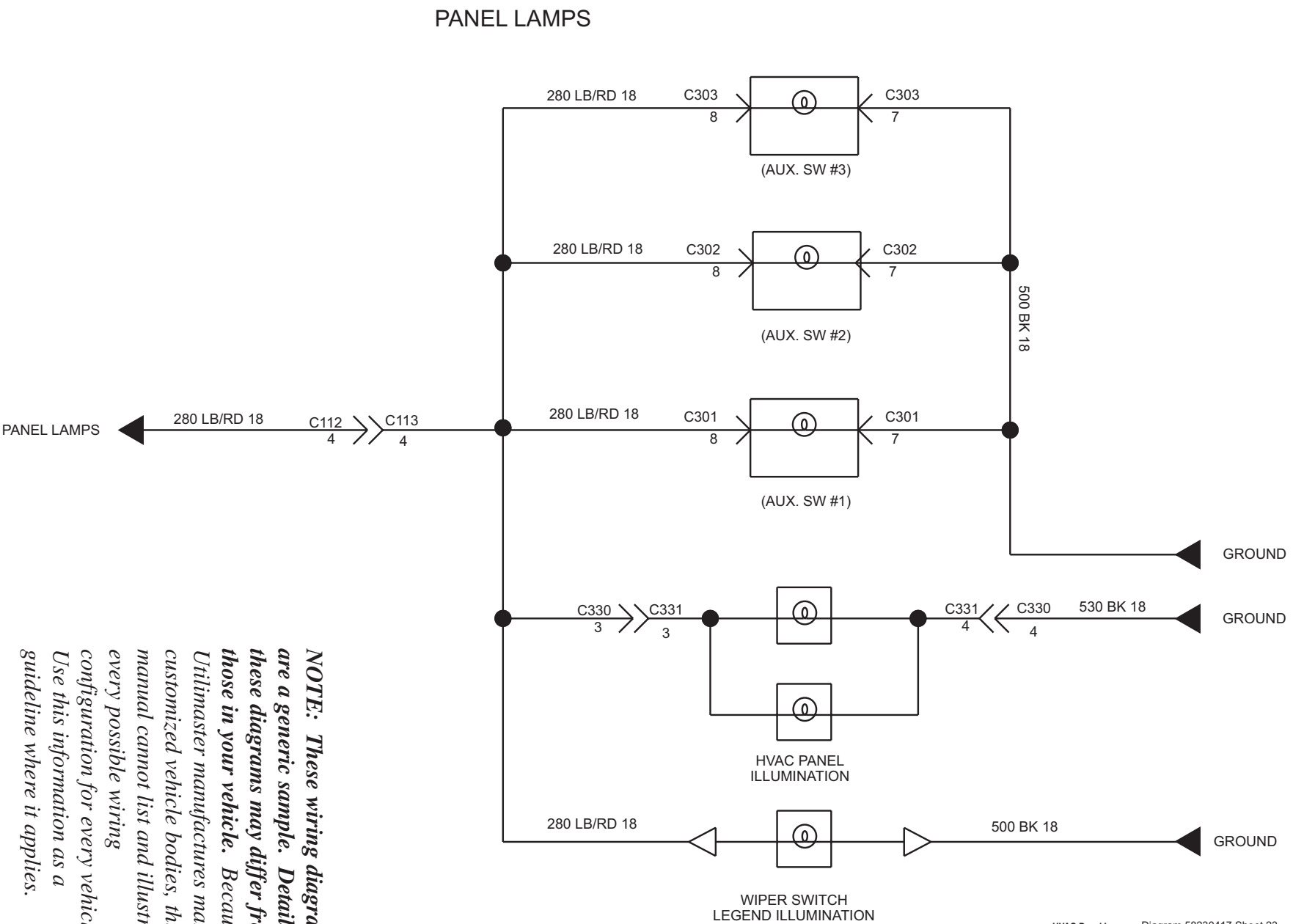
NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline where it applies.

CLEARANCE LIGHTS



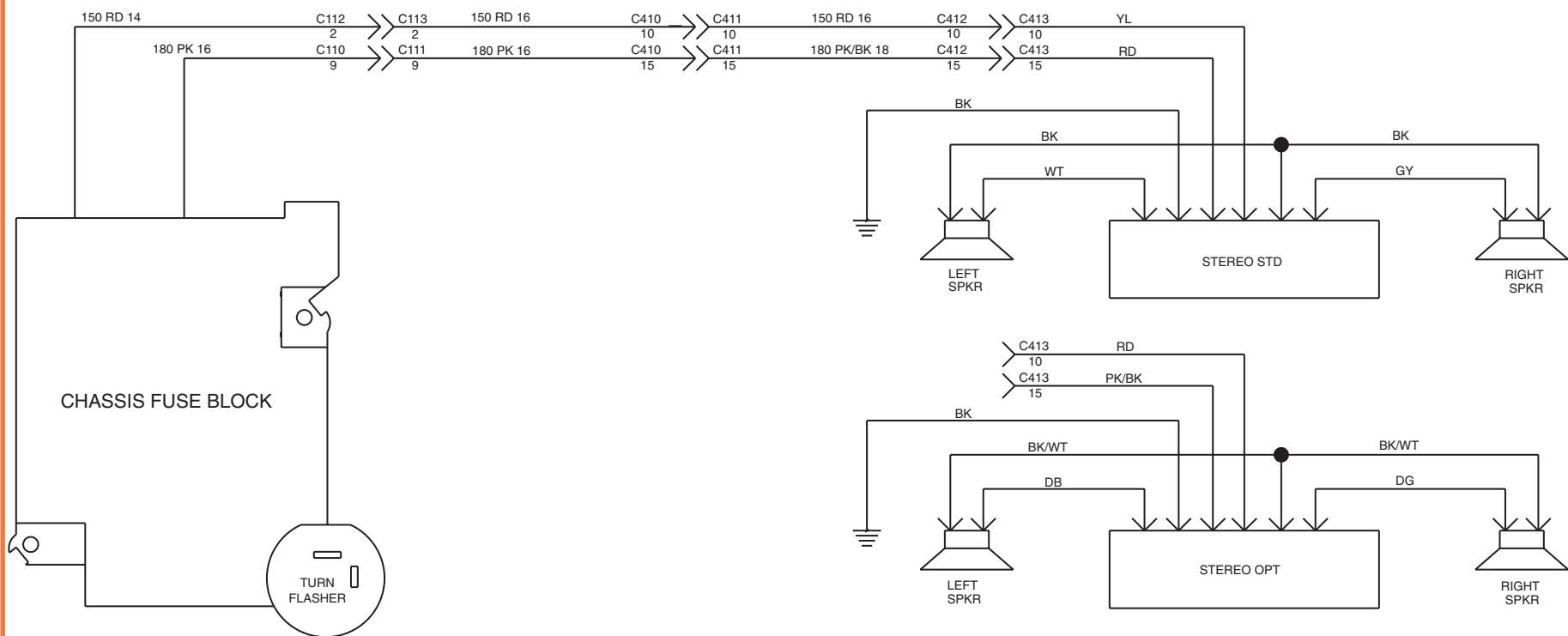
Clearance Lights - Diagram 58230417 Sheet 22

16—Panel Lights (HVAC Control Panel)

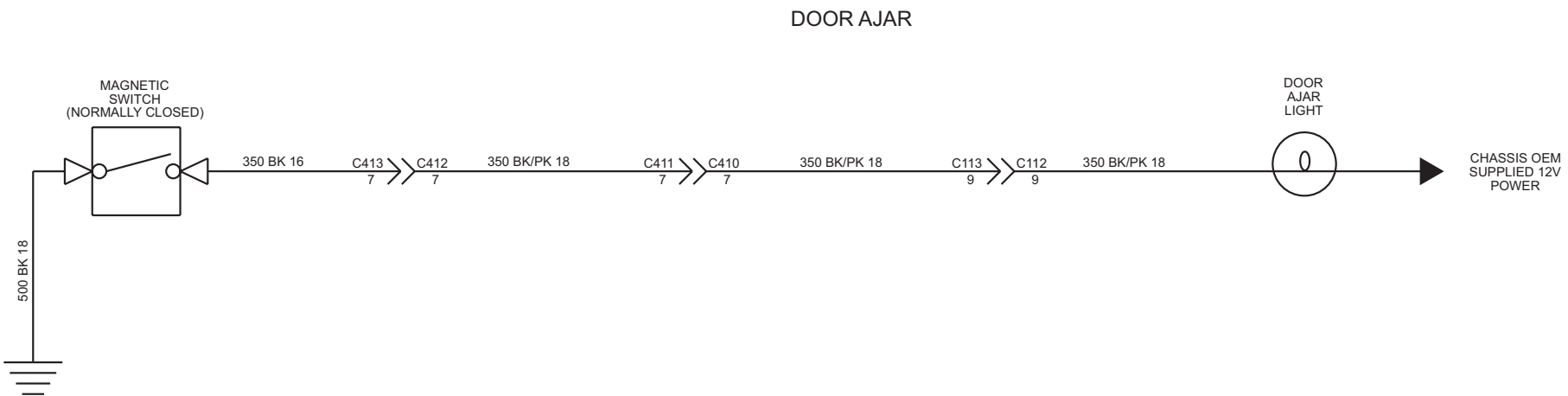


HVAC Panel Lamps - Diagram 58230417 Sheet 23

STEREO SYSTEM WIRING



18—Door Ajar System

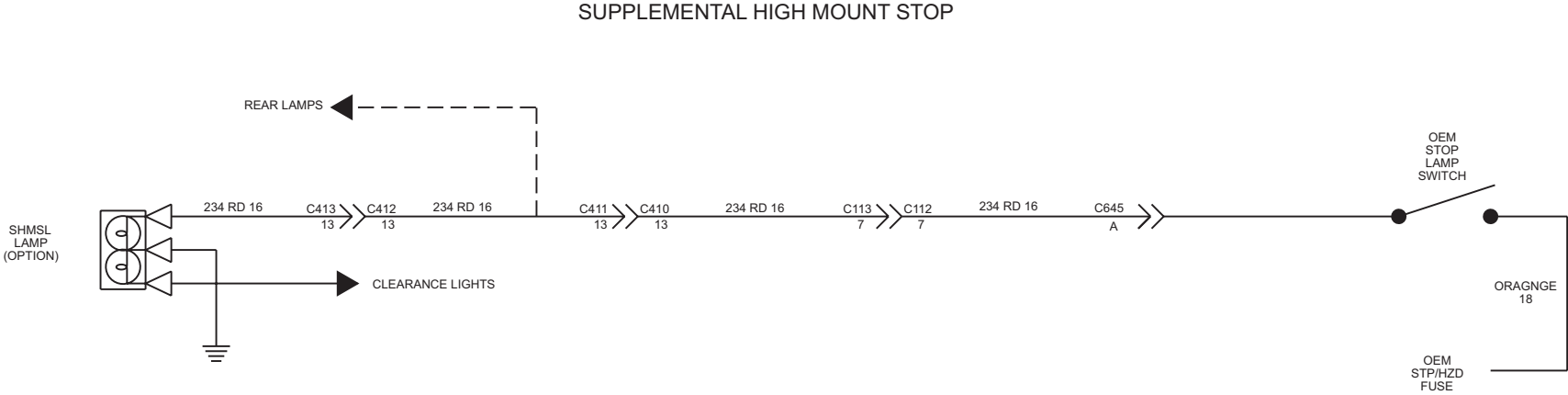


Door Ajar - Diagram 58231008ax Sheet 27

NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline where it applies.

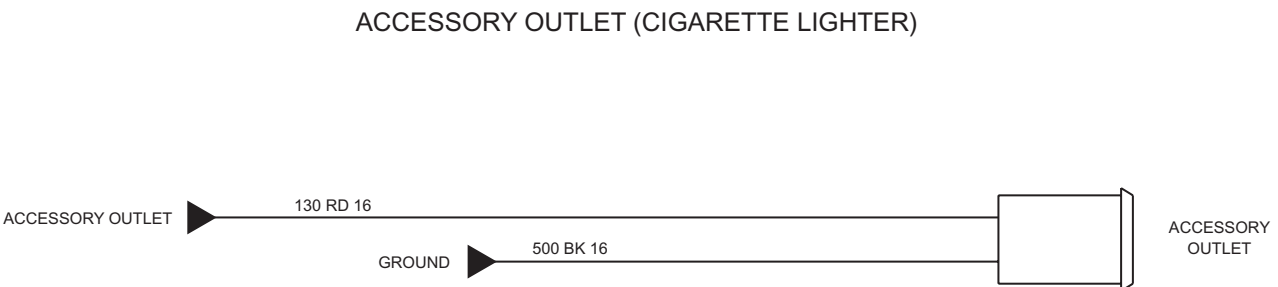
19—Supplemental High Mount Stop Lamp (SHMSL)

Supplemental High Mount Stop Lamp - Diagram 58231008a Sheet 28



NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline where it applies.

20—Accessory Outlet (Cigarette Lighter)



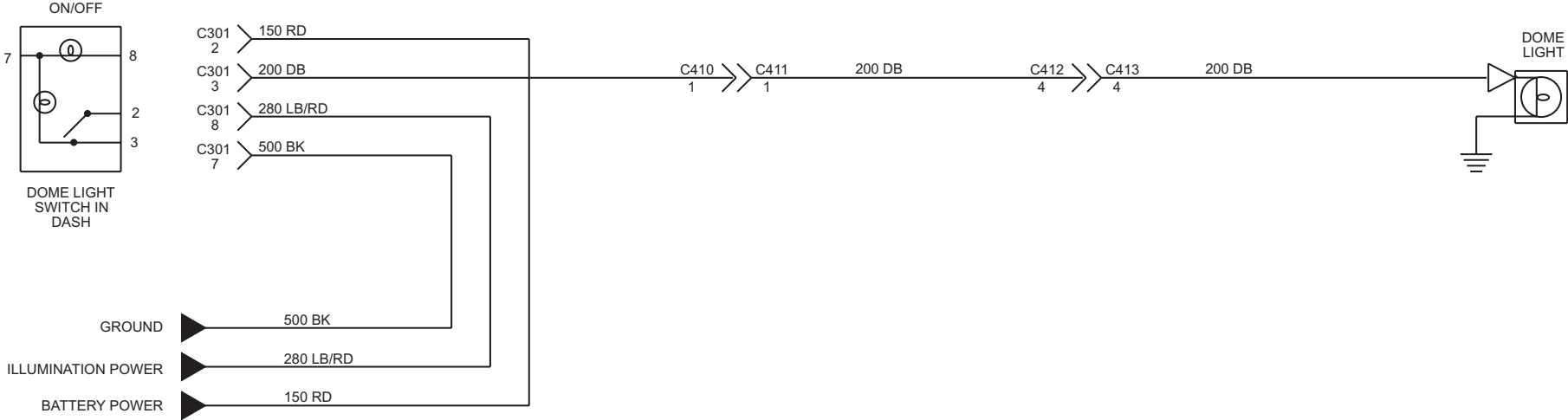
Accessory Outlet - Diagram 58231212ax32 Sheet 32

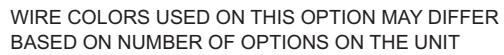


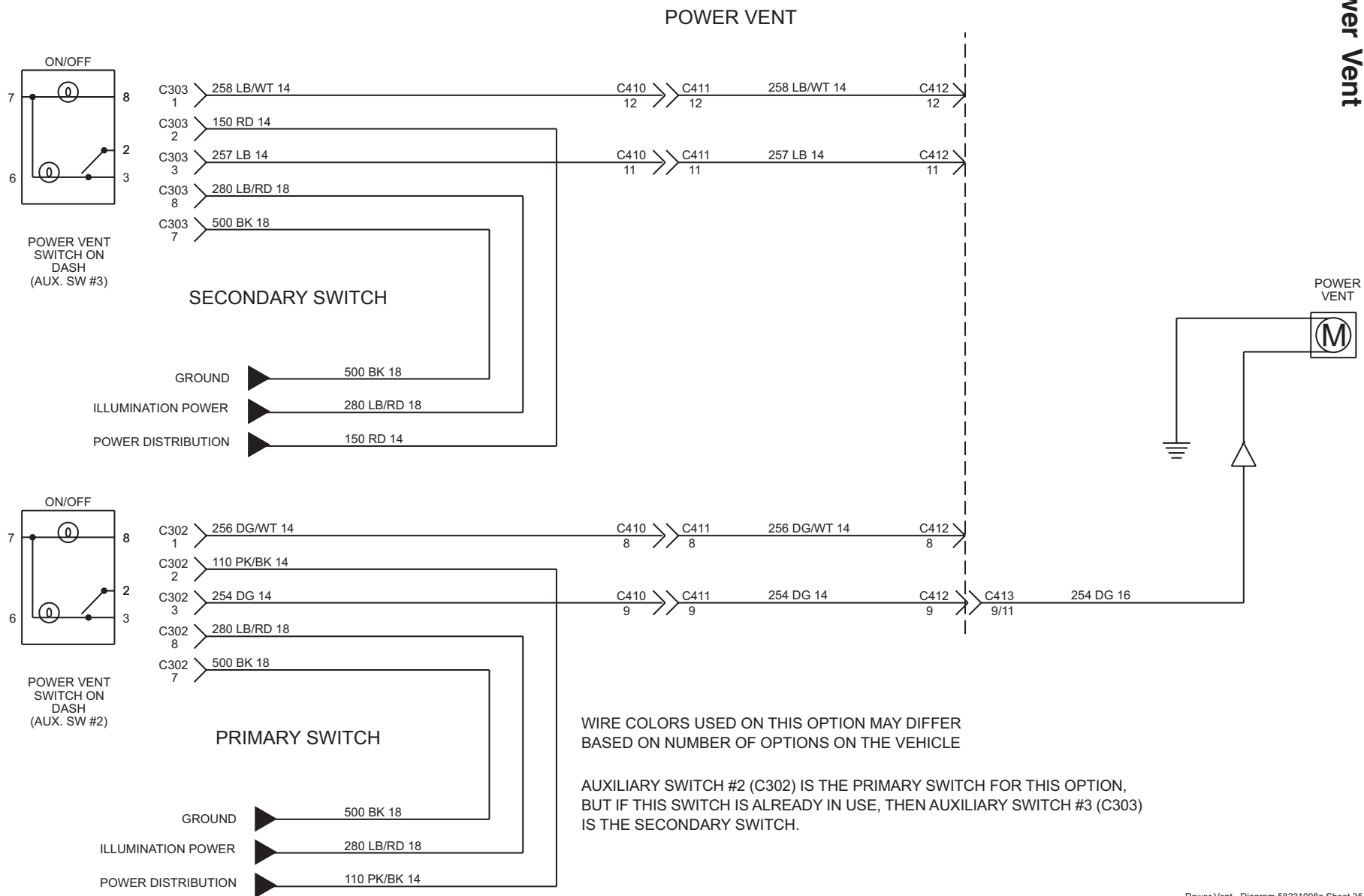
WARNING: Connecting unauthorized devices to the vehicle's wiring can potentially cause vehicle malfunction, damage, fire, personal injury, and/or voiding of the warranty. Contact Utilimaster before connecting any devices to the vehicle's wiring other than plugging into a supplied accessory outlet (cigarette lighter).

21—Cab Dome Light

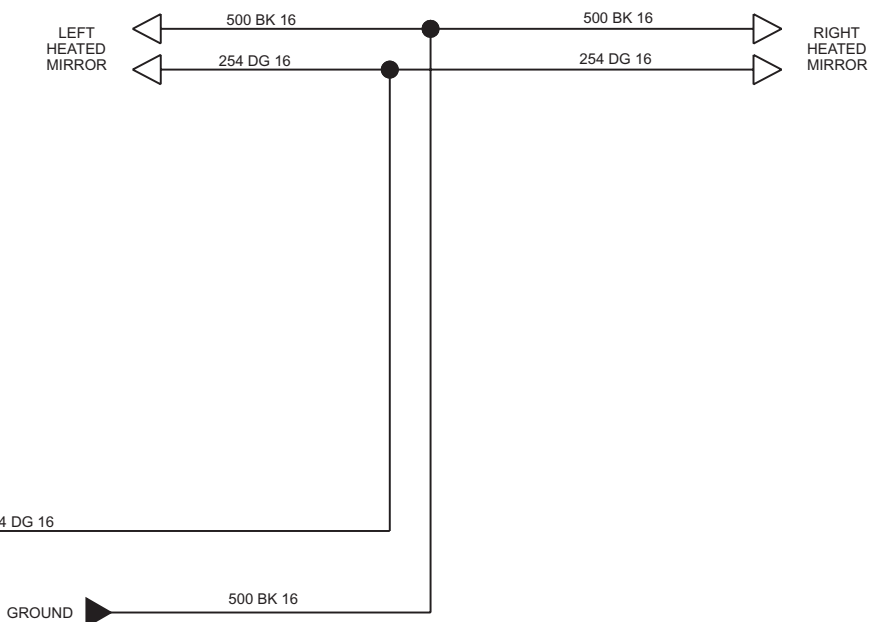
CAB DOME LIGHT DASH MOUNTED SWITCH



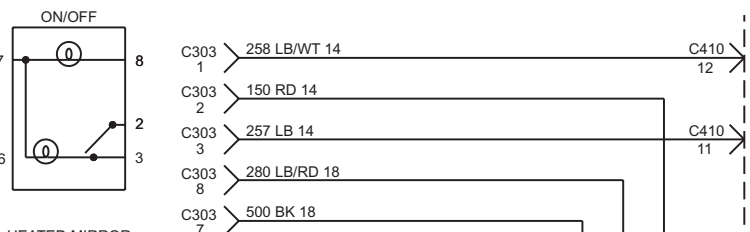




HEATED MIRRORS



AUXILIARY SWITCH #2 (C302) IS THE PRIMARY SWITCH FOR THIS OPTION, BUT IF THIS SWITCH IS ALREADY IN USE, THEN AUXILIARY SWITCH #3 (C303) IS THE SECONDARY SWITCH.

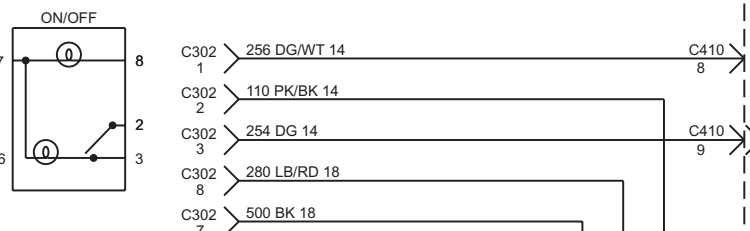


SECONDARY SWITCH

GROUND 500 BK 18

ILLUMINATION POWER 280 LB/RD 18

POWER DISTRIBUTION 150 RD 14



PRIMARY SWITCH

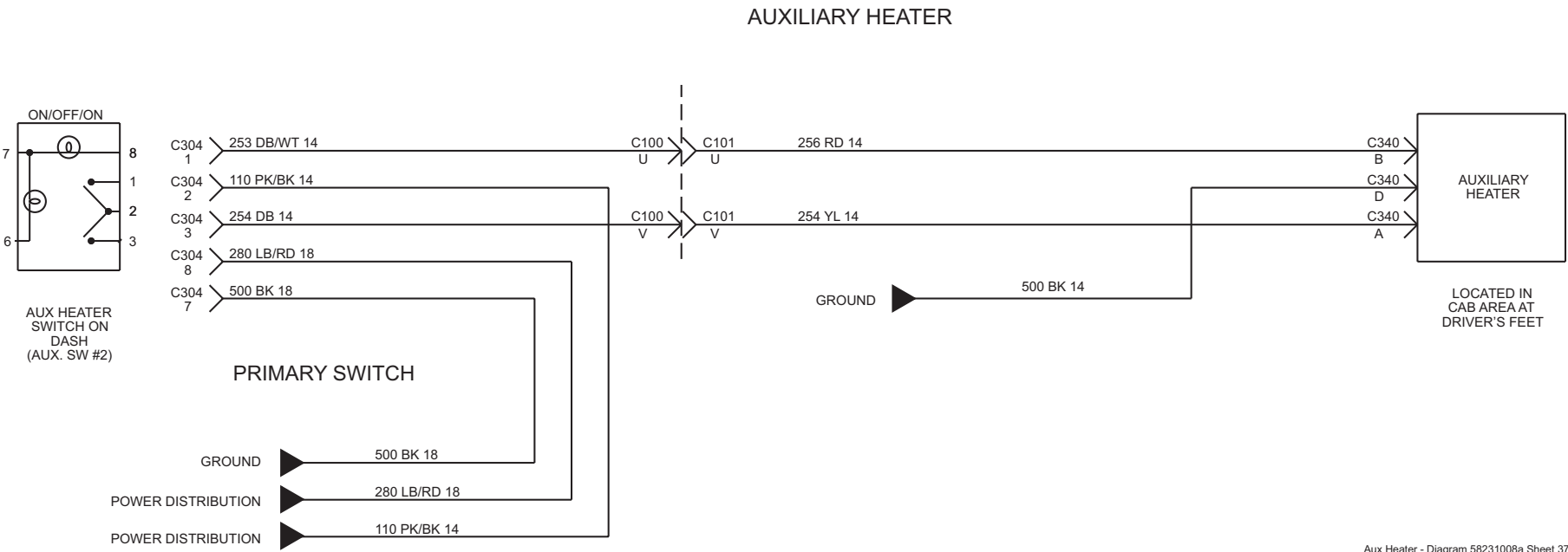
GROUND 500 BK 18

ILLUMINATION POWER 280 LB/RD 18

POWER DISTRIBUTION 110 PK/BK 14

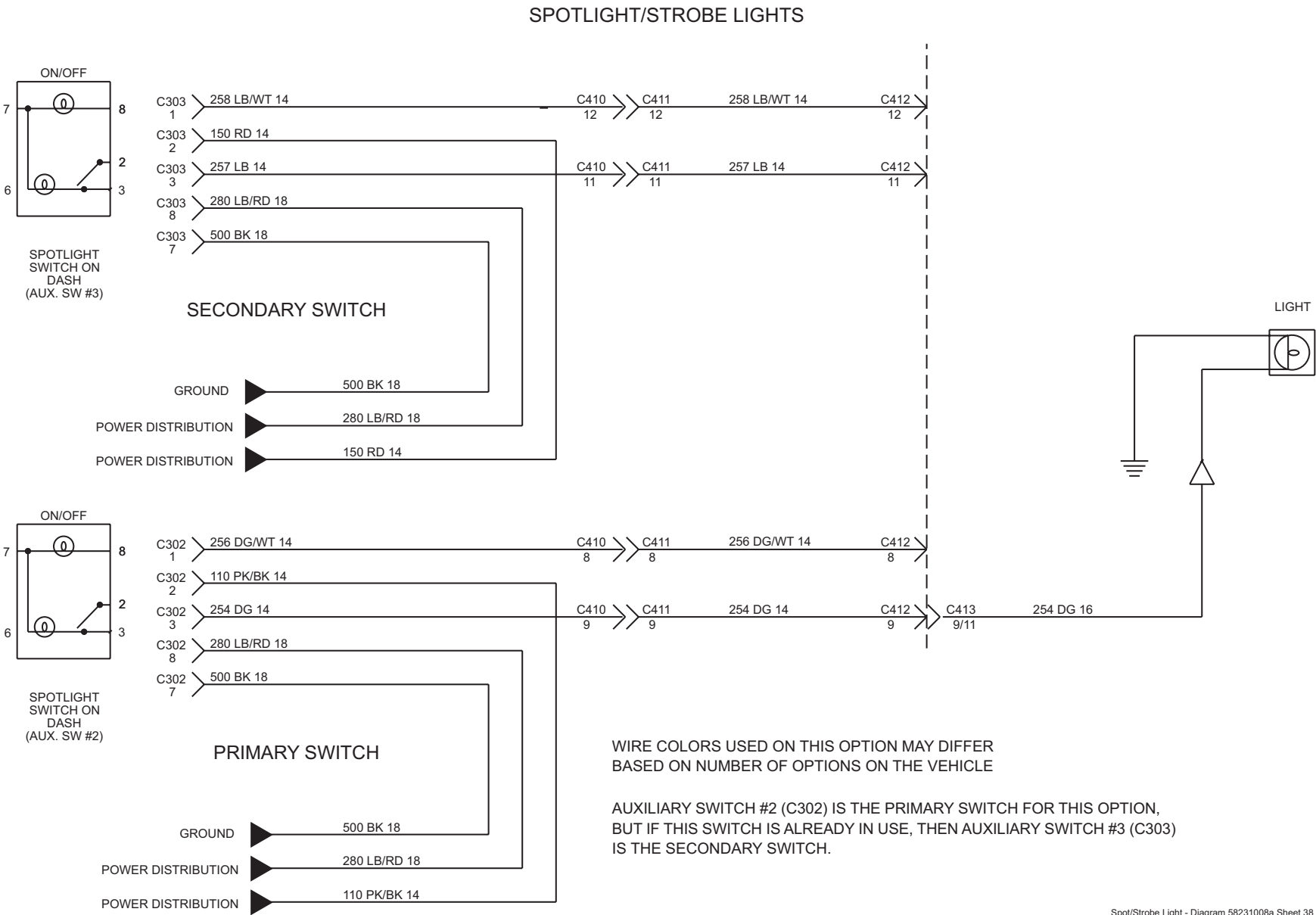
25—Auxiliary Heater

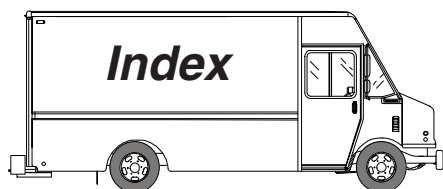
NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline where it applies.



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26—Spotlight, Scene /Flood, or Strobe Light





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Part Number: 03102353-WY96EN