



Body Wiring Manual



2001 and Later
Aeromaster on
Freightliner Chassis

Read First: Top Tips on Using This Online Manual

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Revision Control

Revision A

March 2005

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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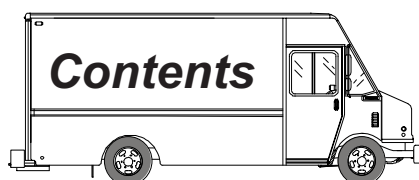
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Introduction

This manual (P/N 03102353-WY01EN) illustrates electrical wiring diagrams for Aeromaster® walk-in bodies on the **Freightliner “M2000” strip chassis and the “Straight Rail” strip chassis. It is specific to Utilimaster Model Numbers 31, 32, 35, 40, 41, and 42 Model Years 2001 to current production.**

Wiring diagrams are dependent on model and year of the Freightliner chassis. (See the Wiring Manual Chart section below.)

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 41. 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

Freightliner Chassis Model Numbers

Utilimaster builds bodies on Freightliner chassis designated by the Gross Vehicle Weight Rating (GVWR). Freightliner chassis model numbers **always** start with “MT.” They are MT35, MT45, and MT55.

Utilimaster Body Model Numbers

Utilimaster model numbers include 31, 32, and 35 for the “M2000” series and 40, 41, and 42 for the “Straight Rail” series.

What Model Do I Have?

Your vehicle can be referenced by either the **Freightliner chassis model number** or the **Utilimaster body model number**. Be careful to note the difference between Utilimaster’s Body Model Number 35 and Freightliner Chassis Model Number **MT35**. They are not the same thing.

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 and the VIN information on the next page.) There are some differences that affect 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.				

VIN, Body Serial Number, and Work Order Numbers

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

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-05 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-05.)

A 7-digit (including a leading W) **Work Order Number** appears below the Unit Serial Number on the Federal Certification Label. (See Illustration LA-05.)



LA-10
Vehicle Identification Number



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

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 and are otherwise not referenced.

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

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 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.

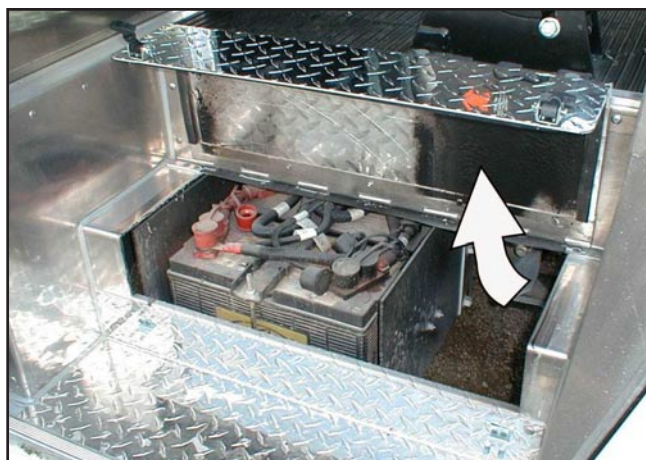
Battery



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.

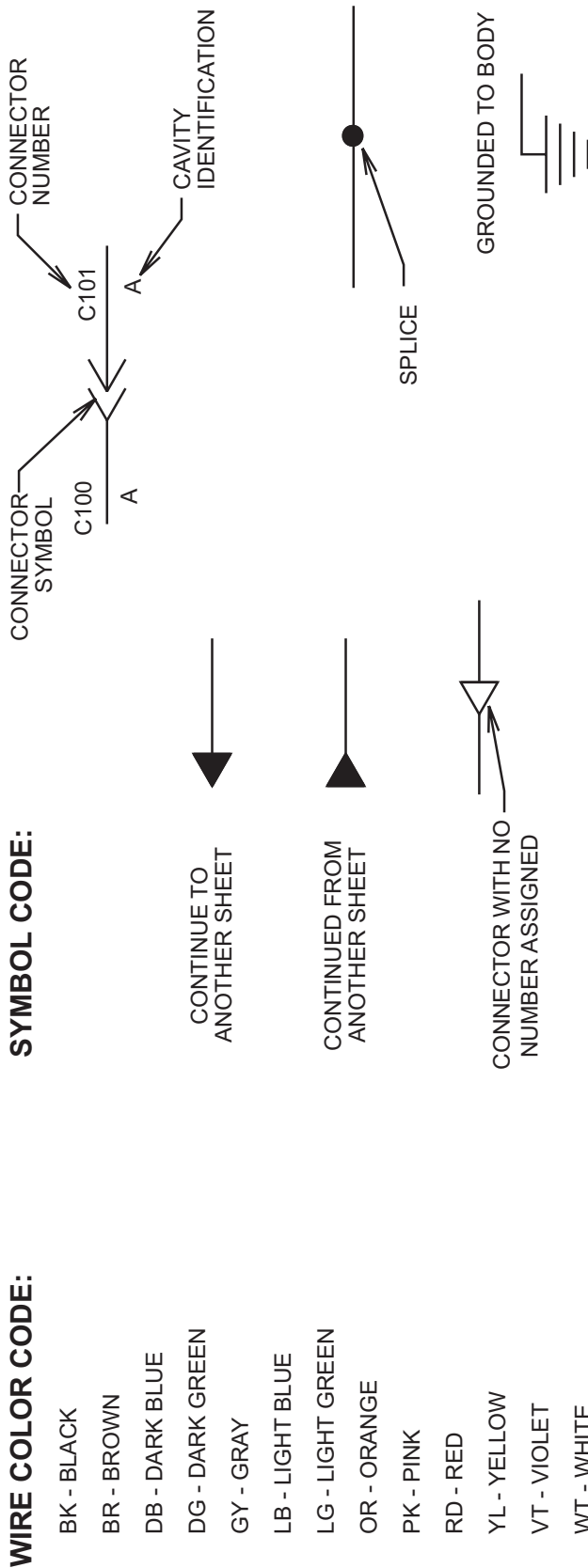
Installation

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.

Symbol Codes and Identification

Codes and Symbols



WIRE GAUGE CHART:

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

CIRCUIT AND CONNECTOR CODE:



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.

Circuit Number Identification

CIRCUIT NUMBER IDENTIFICATION

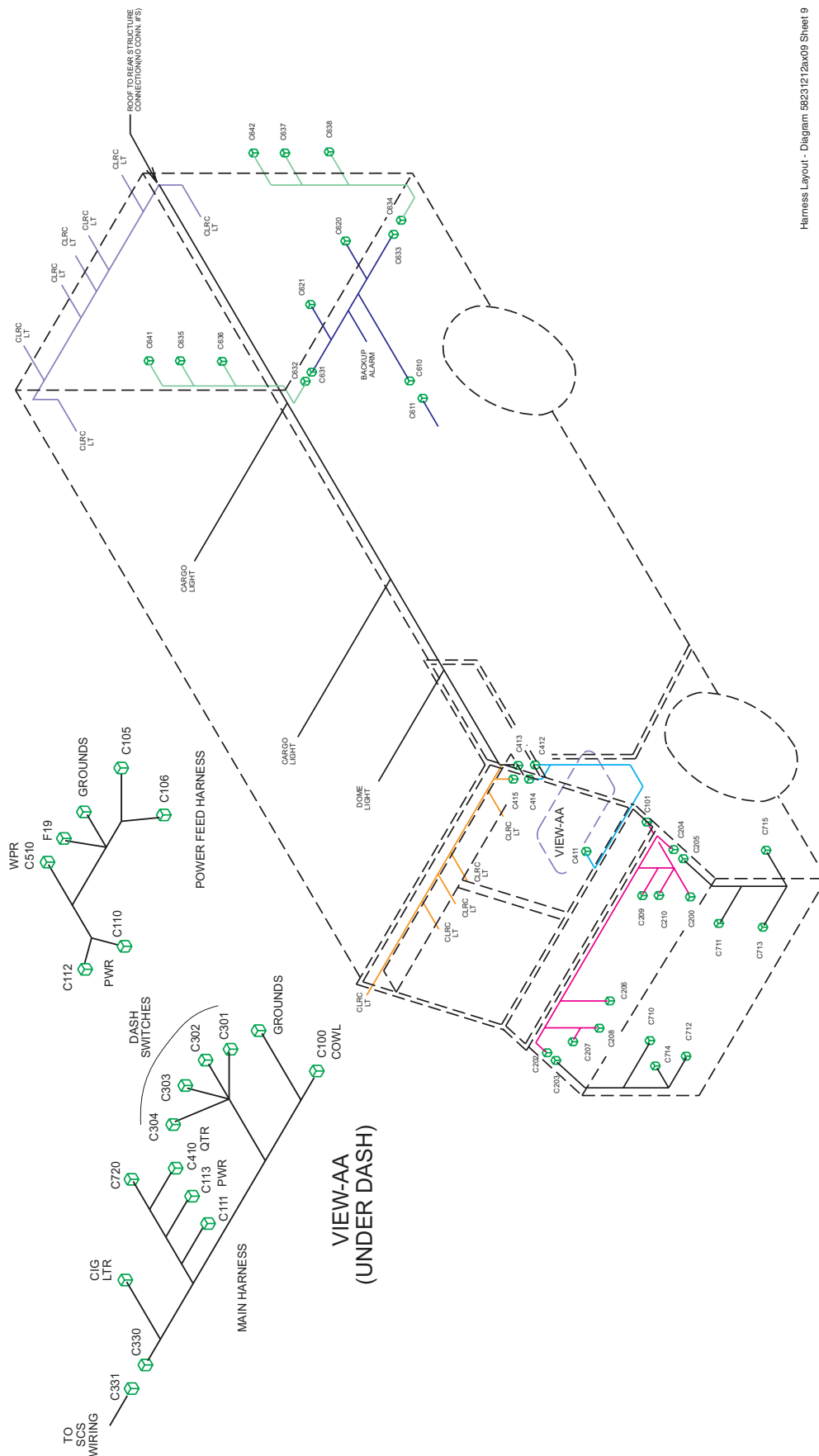
CIRC No.	COLOR	DESCRIPTION	CIRC No.	COLOR	DESCRIPTION	CIRC No.	COLOR	DESCRIPTION
110	PINK W/BLACK STRIPE	IGNITION POWER	257	LIGHT BLUE	AUXILIARY SWITCH	*927	BLACK W/ WHITE STRIPE	LEFT DOOR SOLENOID 1
120	ORANGE	WIPER POWER	258	LIGHT BLUE W/ WHITE STRIPE	AUXILIARY SWITCH	*928	BLACK W/ WHITE STRIPE	RIGHT 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	HOME 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	HOME 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			

Circt ID - Diagram 58231212ax08 Sheet 8

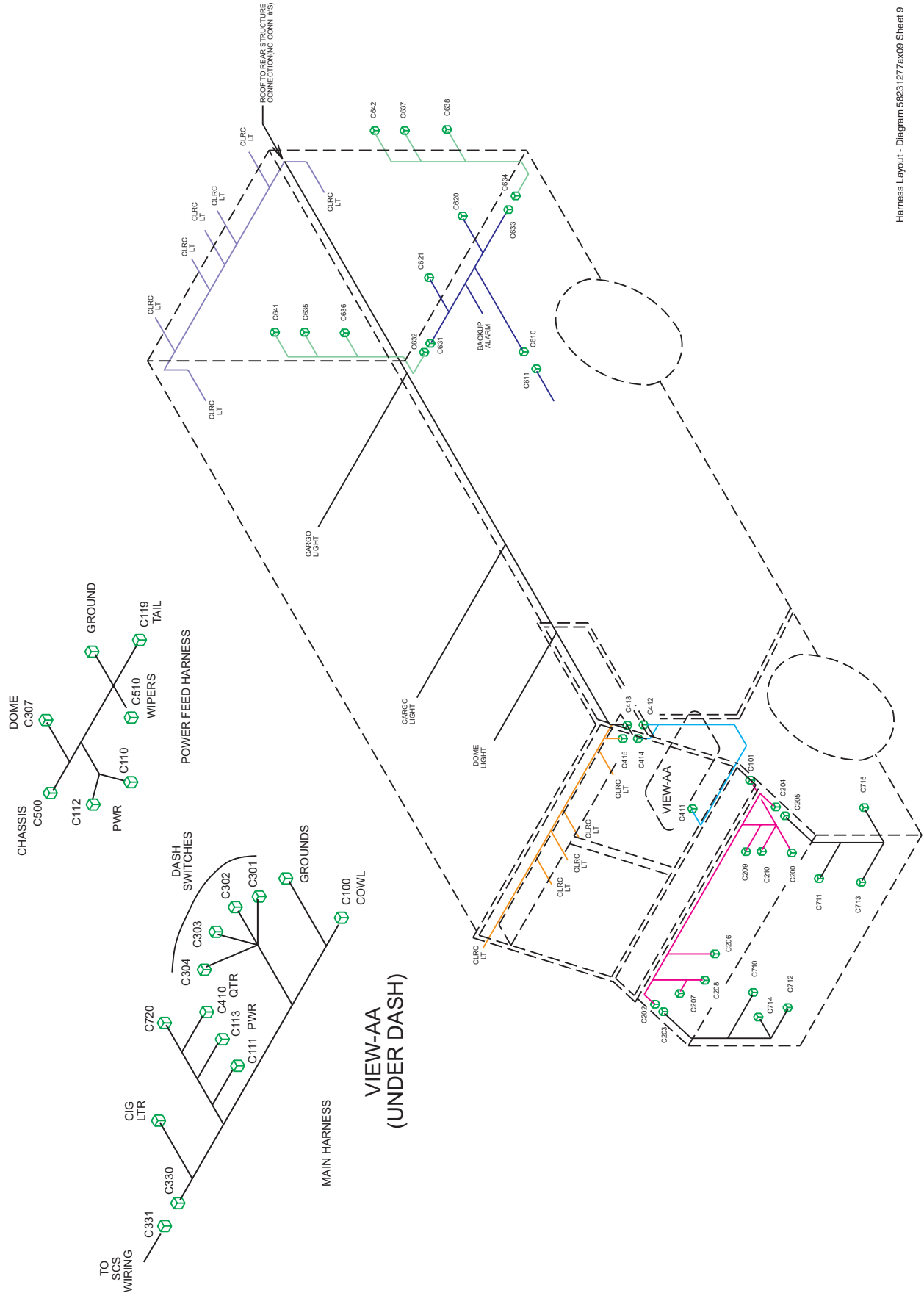
* SPECIFIC TO THE VACS SYSTEM.

NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Ullinaster 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.

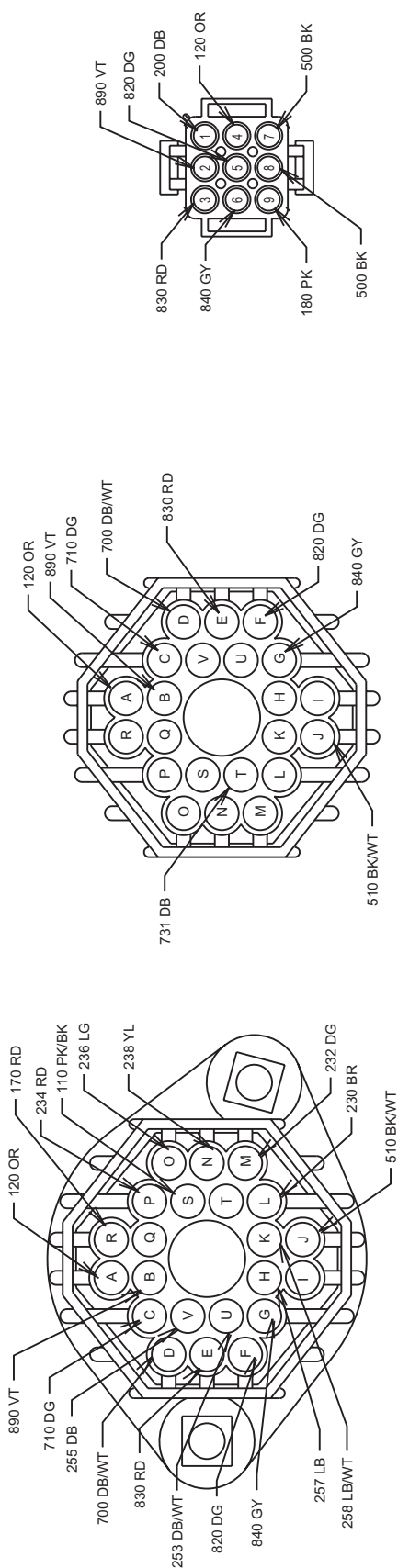
Harness Layout Models 31, 32, and 35



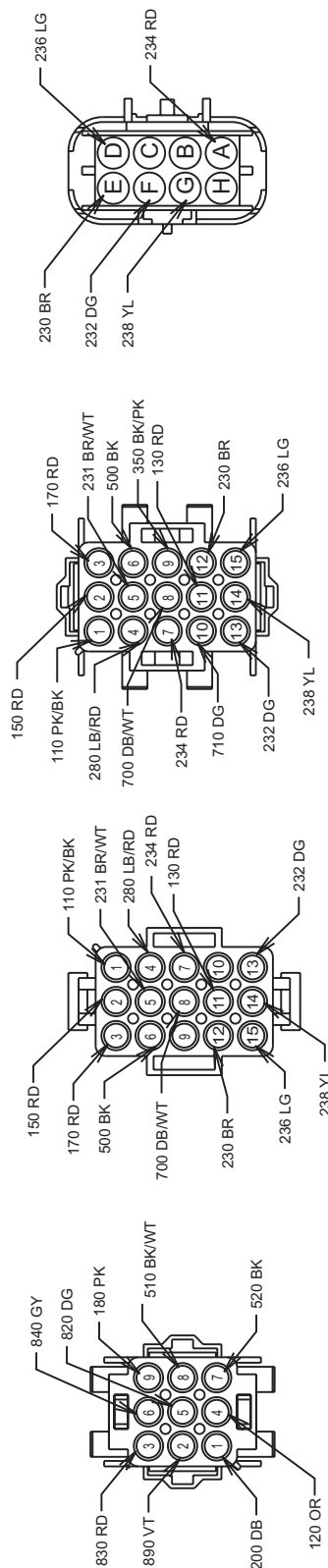
Harness Layout Models 40, 41, and 42



Connectors



C110
POWER FEED #1 PLUG
770021-1



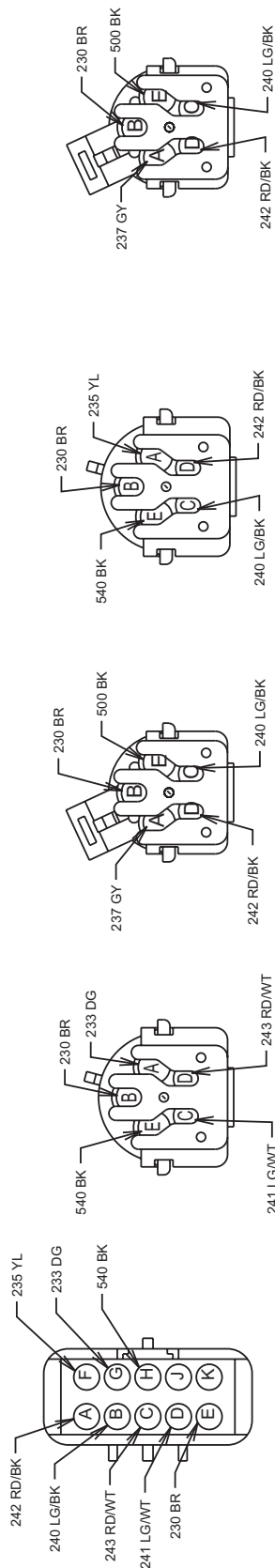
C119
TAILLIGHT FEED
15326655

C113
POWER FEED #2 CAP
770030-1

C112
POWER FEED #2 PLUG
770023-1

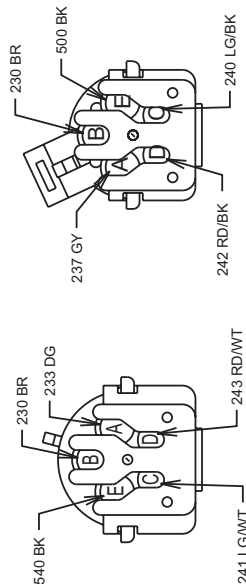
C111
POWER FEED #1 CAP
770028-1

Connectors (continued)

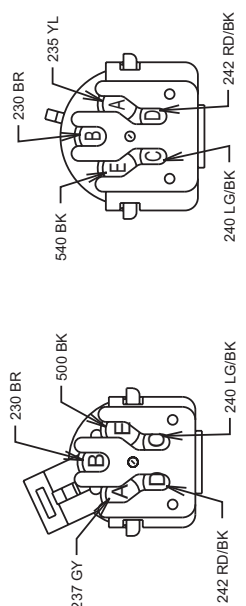


C200
FORWARD LIGHT FEED
13528661

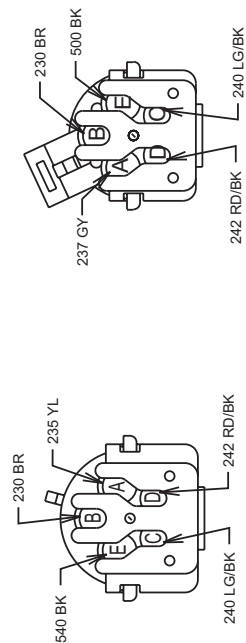
C202
RT HEADLIGHT DIST
12065158



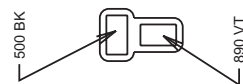
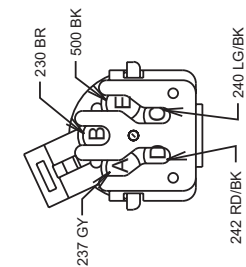
C203
RT HEADLIGHT FEED
12034342



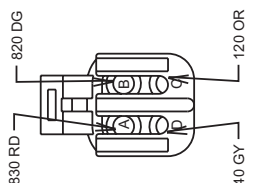
C204
LT HEADLIGHT DIST
12065158



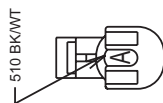
C205
LT HEADLIGHT FEED
12034342



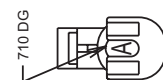
C206
WASHER PUMP
480115-1



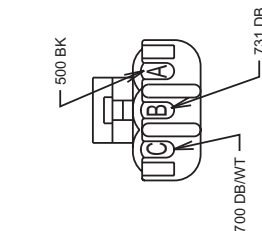
C207
WIPER MOTOR
12015798



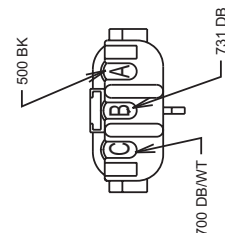
C208
WIPER MOTOR
12015791



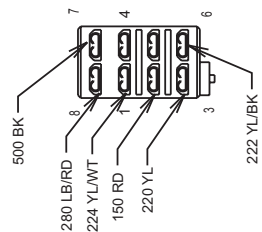
C209
A/C JUMPER
12015791



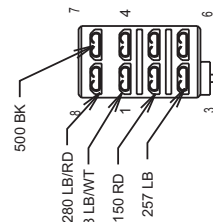
C211
HVAC WATERVALVE DIST.
12010717



C212
HVAC WATERVALVE FEED
12015793

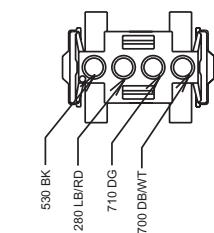


C301
AUXILIARY SWITCH #1
999-16716-001

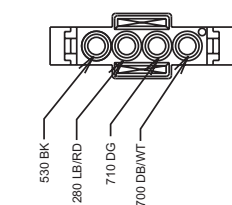


C302
AUXILIARY SWITCH #2
999-16716-001

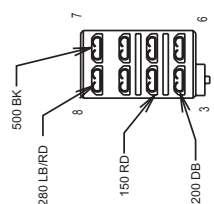
Connectors (continued)



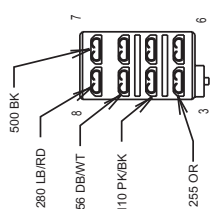
C331
HVAC DIST
770028-1



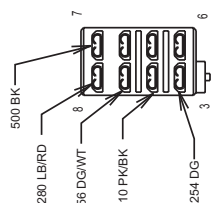
C330
HVAC FEED
770019-1



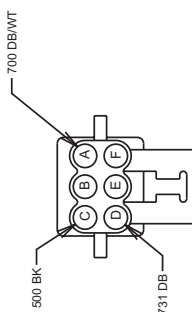
C307
DOME LIGHT SWITCH
999-16716-001



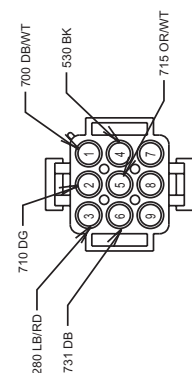
C304
AUXILIARY SWITCH #4
999-16716-001



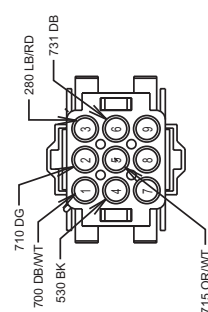
C303
AUXILIARY SWITCH #3
999-16716-001



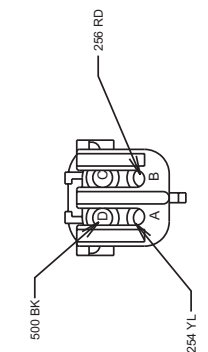
C332
HVAC WATER VALVE
12052848



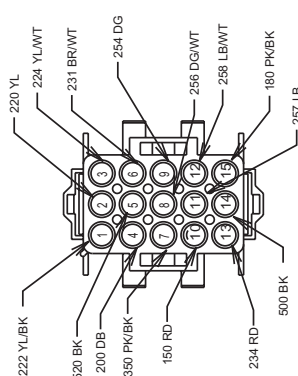
C333
HVAC ELECTRONIC FEED
770021-1



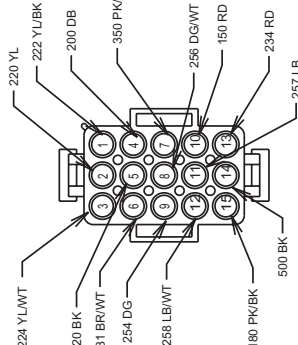
C334
HVAC ELECTRONIC DIST.
770028-1



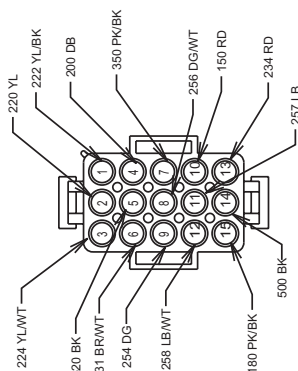
C340
AUXILIARY HEATER (SCS)
12015024



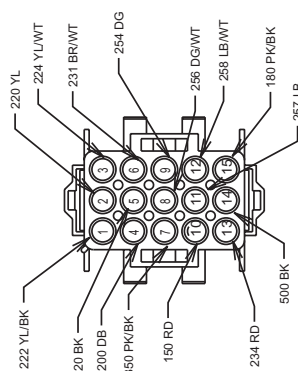
C410
QTR POST (DASH)
770030-1



C411
QTR POST (POST)
770023-1



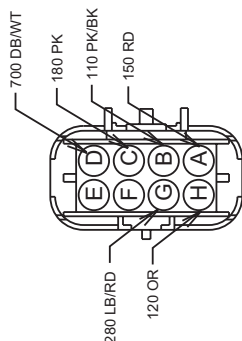
C412
QTR POST (POST)
770023-1



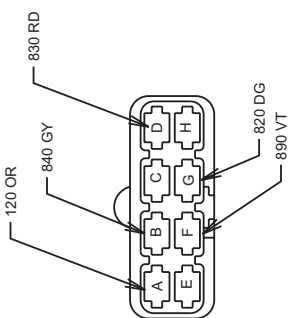
C413
QTR POST (ROOF)
770030-1

Connectors

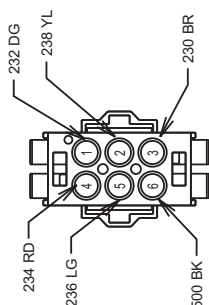
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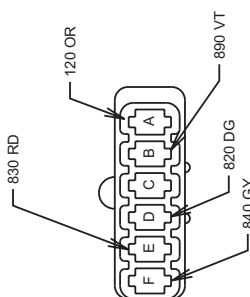
C500
BODY BUILDER
15326655



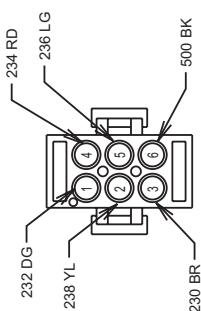
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INTERMITTENT
WIPER SWITCH
02965972



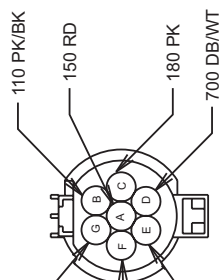
C419
INTERIOR ROUTED
REAR LIGHTING
770027-1



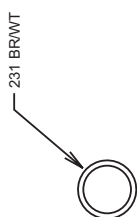
C510
WIPER SWITCH
06288539



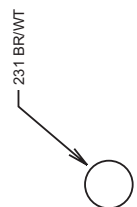
C418
INTERIOR ROUTED
REAR LIGHTING
770020-1



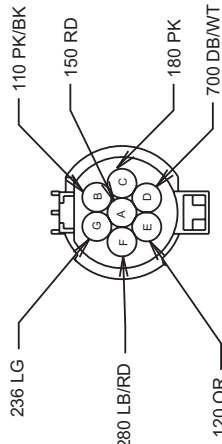
C500
BODY BUILDER
MERCEDES ENGINE
12110753



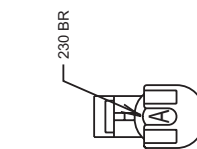
C415
QTR POST (ROOF)
MOLDED CONNECTOR



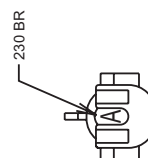
C414
QTR POST (POST)
MOLDED CONNECTOR



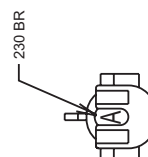
C500
BODY BUILDER
CUMMINS ENGINE
12110753



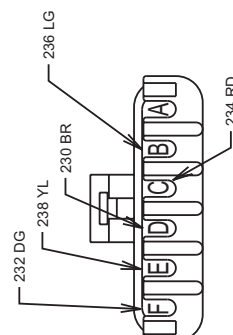
C622
LICENCE PLATE LIGHT
12015791



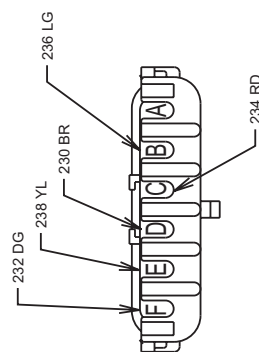
C621
LICENCE PLATE
LIGHT FEED
12010966



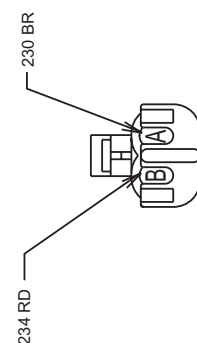
C620
LICENCE PLATE
LIGHT FEED
12010966



C611
FREIGHTLINER REAR LIGHT FEED
12010975

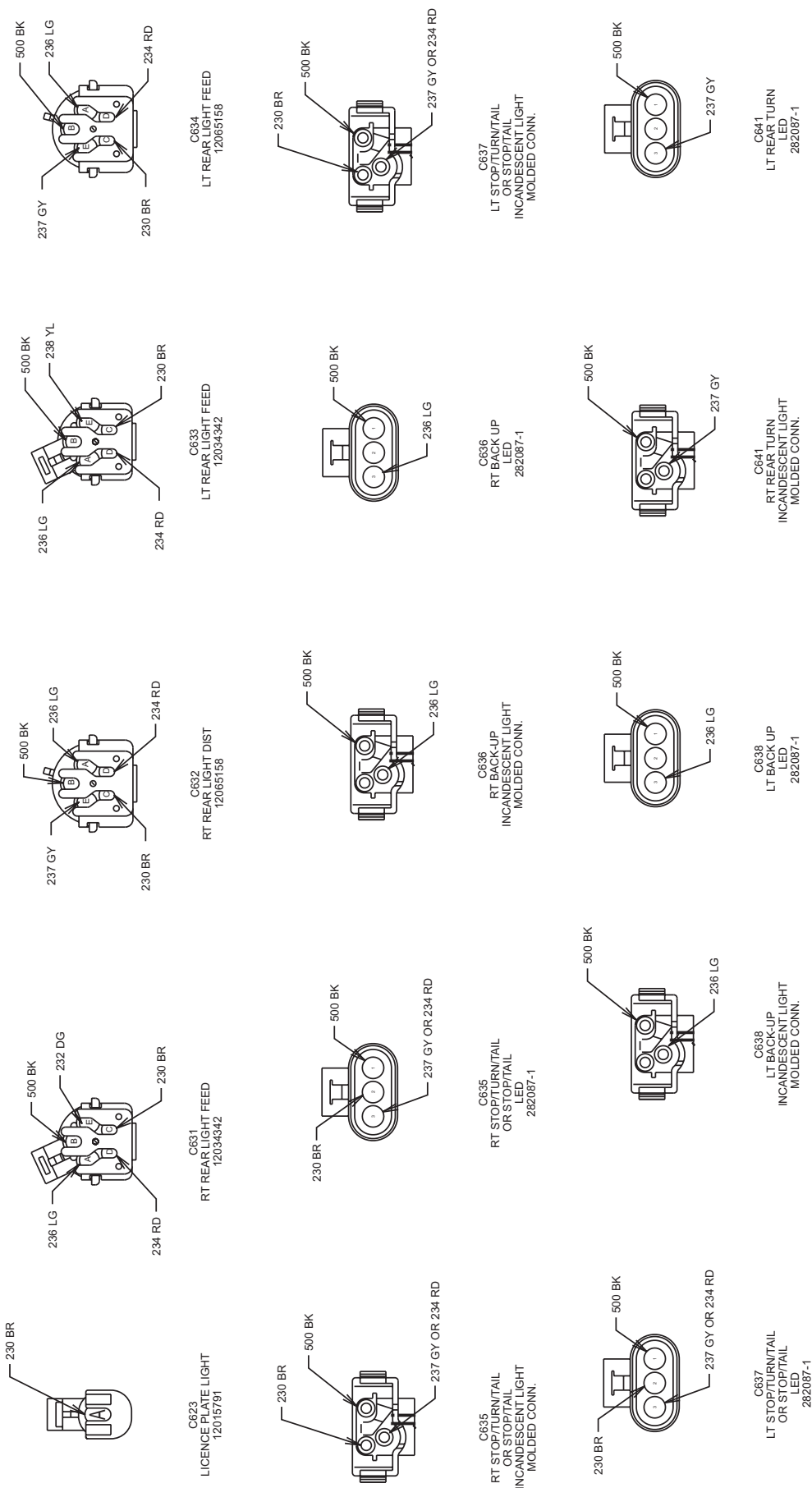


C610
REAR LIGHT FEED
12020786

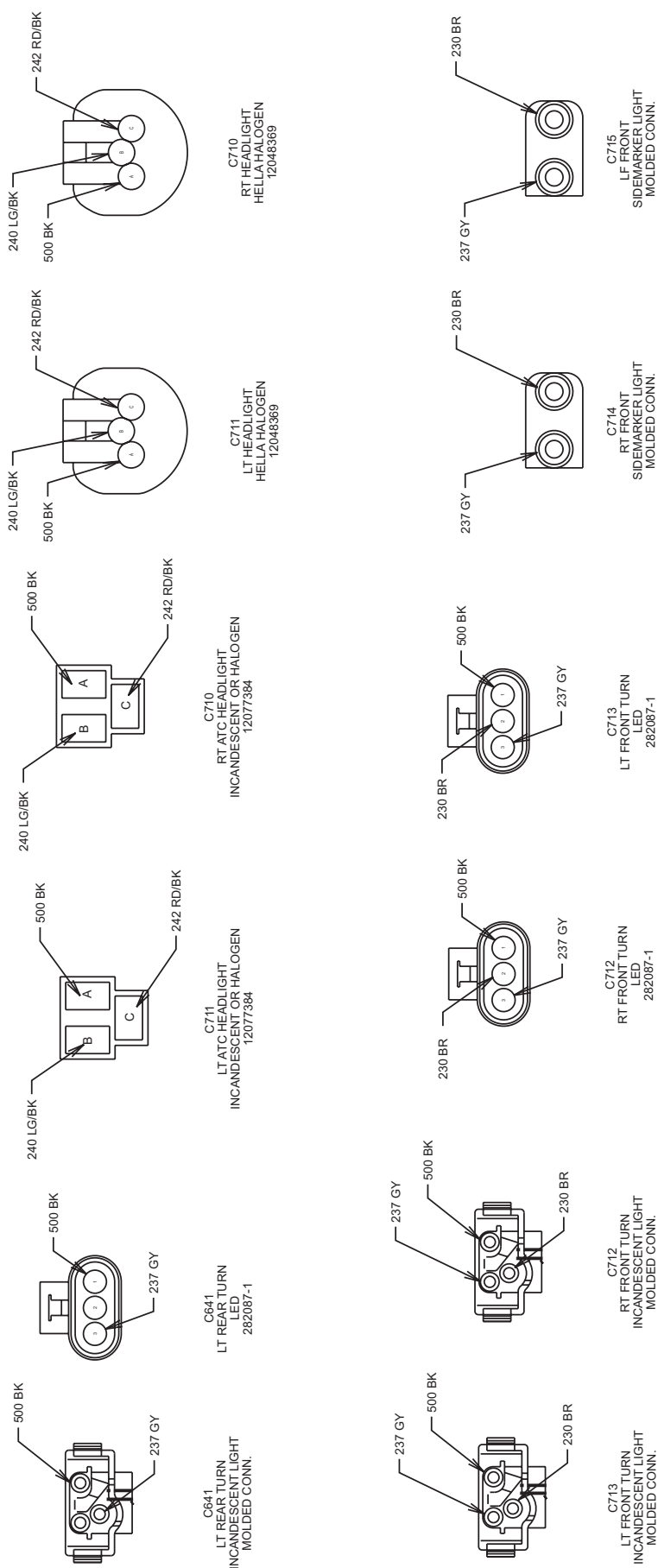


C511
BRAKE AND CLEARANCE
LIGHT FEED
12010973

Connectors (continued)



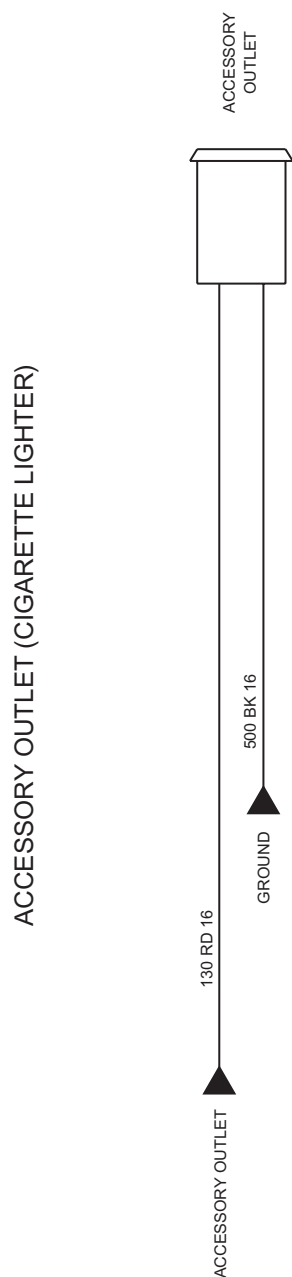
Connectors (continued)



Connectors - Diagram 58231212xa07 Sheet 7

Wiring Diagrams

Accessory Outlet (Cigarette Lighter)



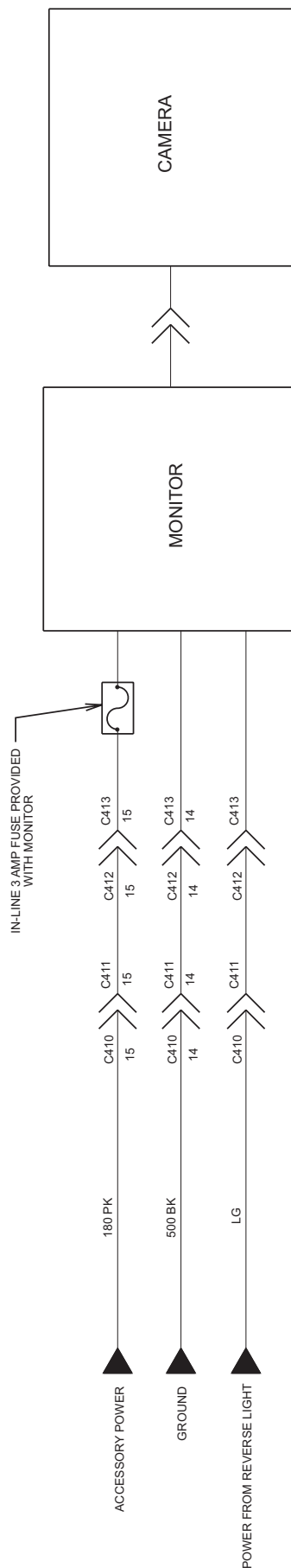
Accessory Outlet - Diagram 58231212ax32 Sheet 32



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).

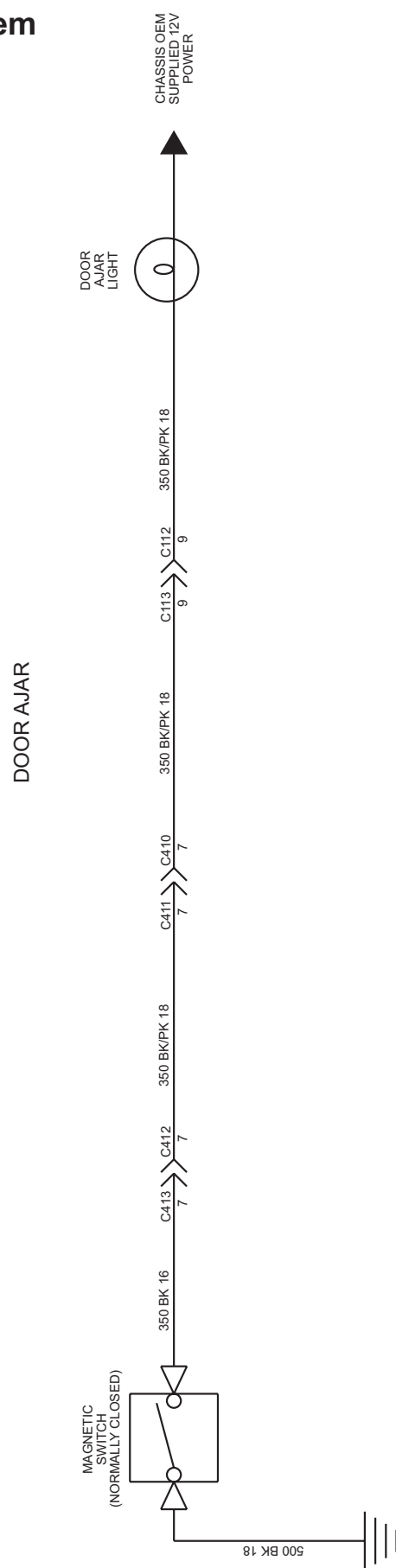
Back-up Camera

BACK-UP CAMERA SYSTEM



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.

Door Ajar System



Door Ajar - Diagram 58231008ax Sheet 27

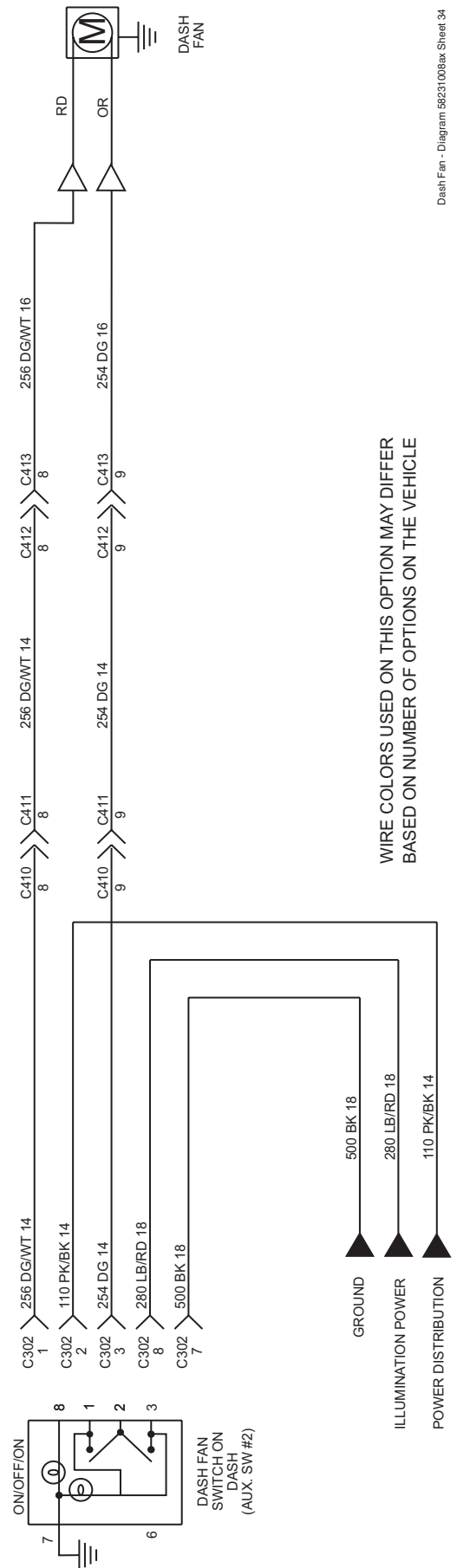
NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline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

Fan, Driver Convenience

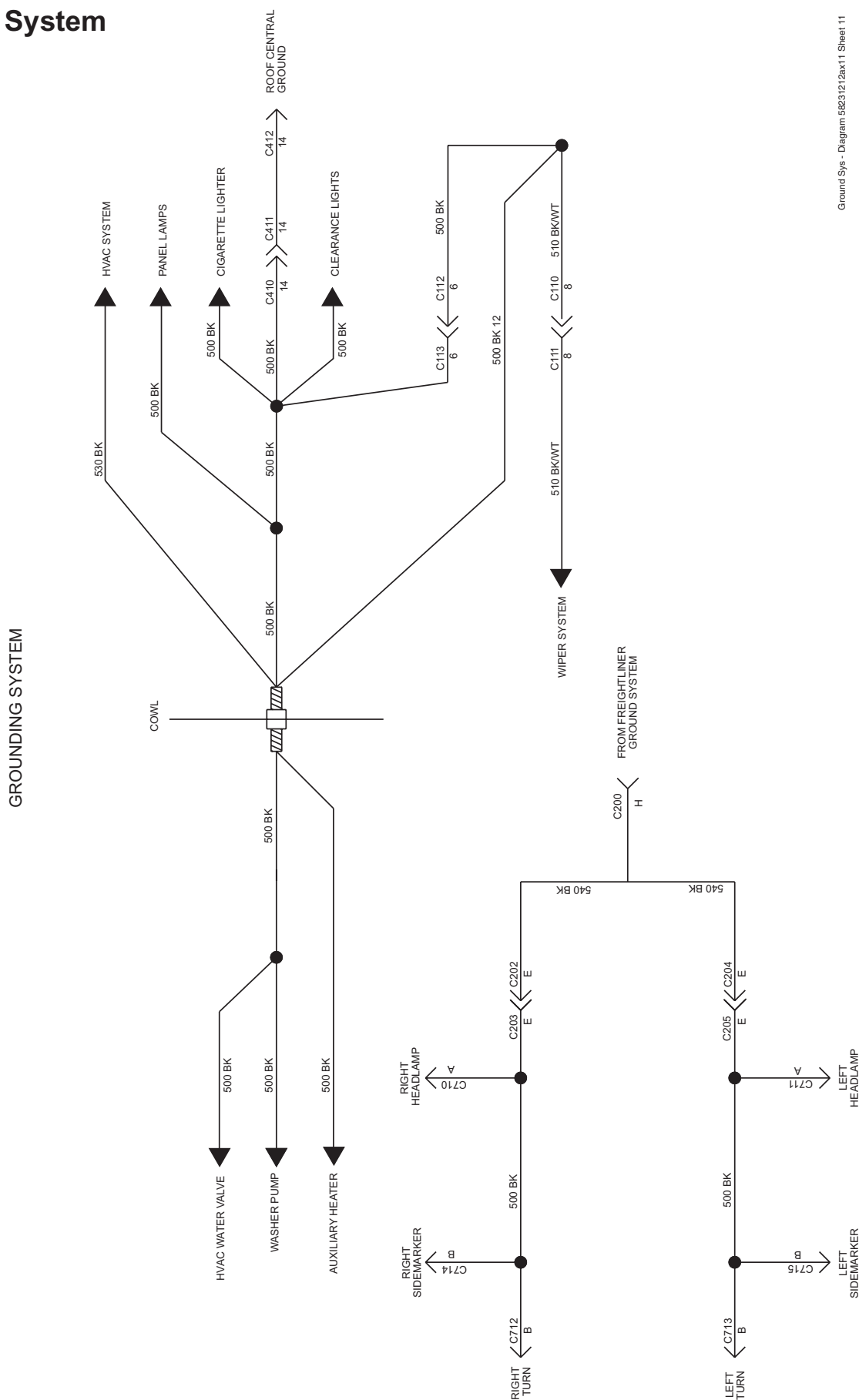


WARNING: Connecting unauthorized devices to the vehicle's wiring can potentially cause vehicle malfunction, damage, fire, personal injury, and/or voiding of the warranty. Contact Utilimaster before connecting any devices to the vehicle's wiring other than plugging into a supplied accessory outlet (cigarette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

DASH FAN



Grounding System

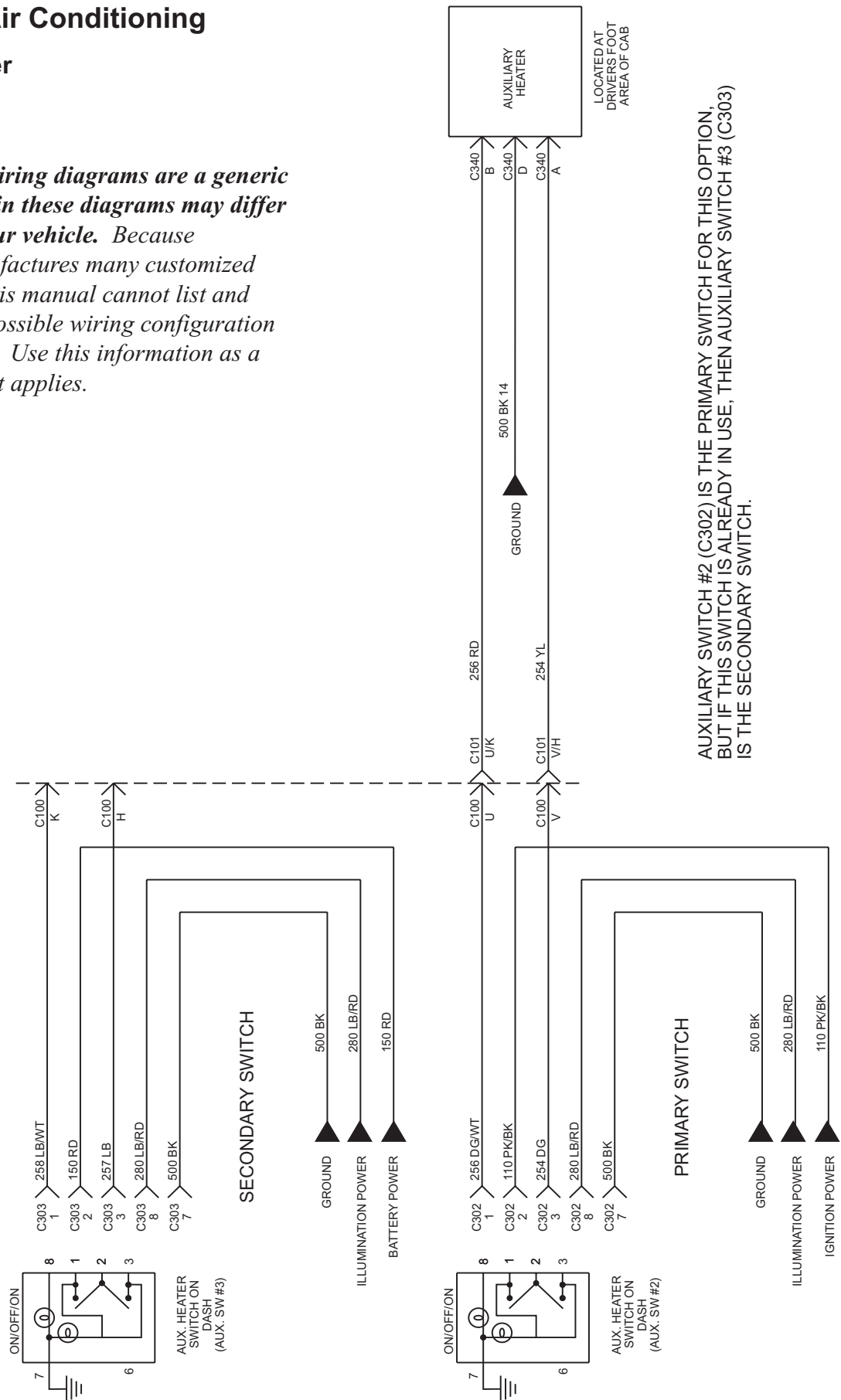


Heater and Air Conditioning

Auxiliary Heater

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.

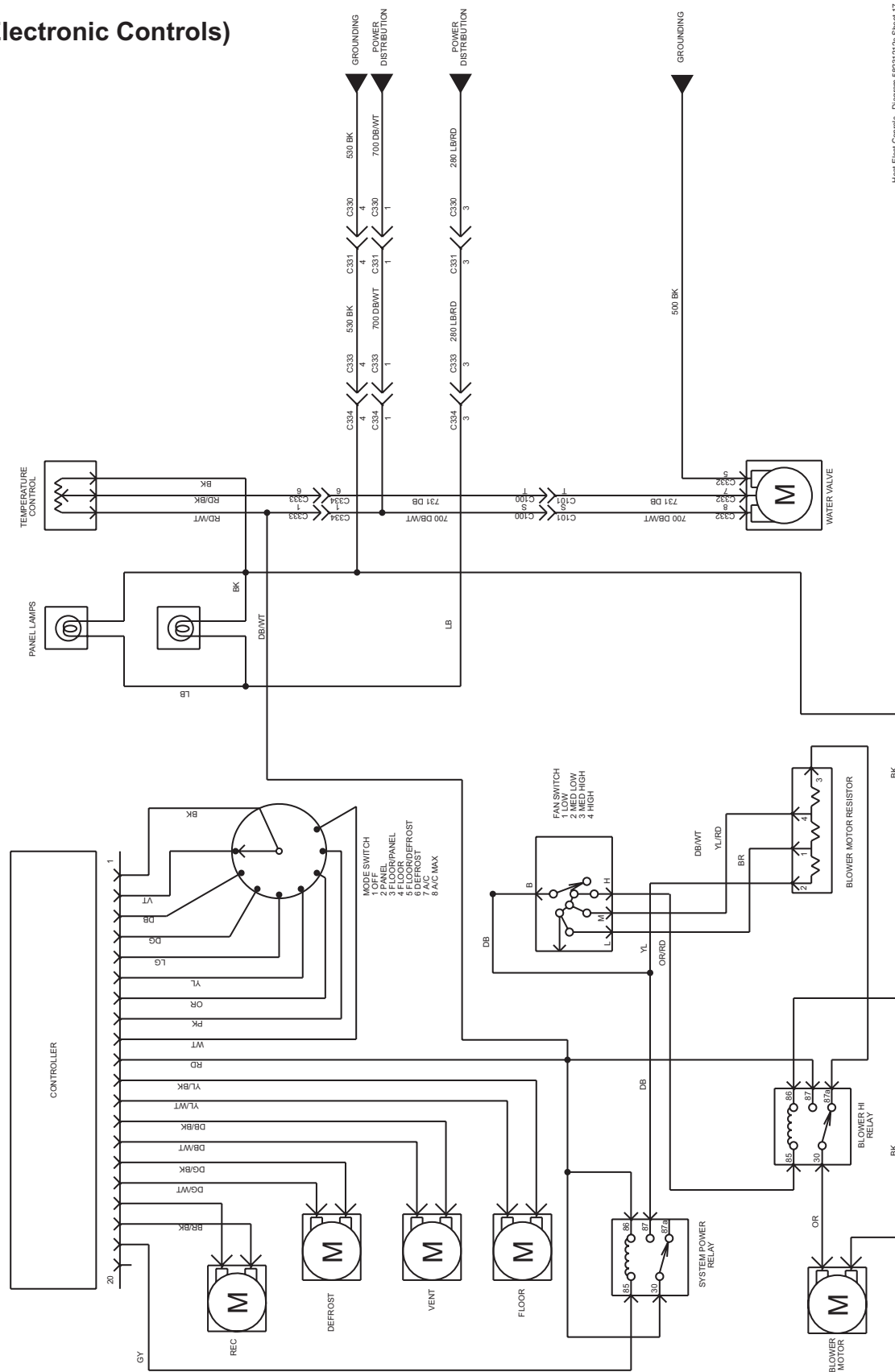
AUXILIARY HEATER (DRIVER'S FOOT AREA)



Heater and Air Conditioning

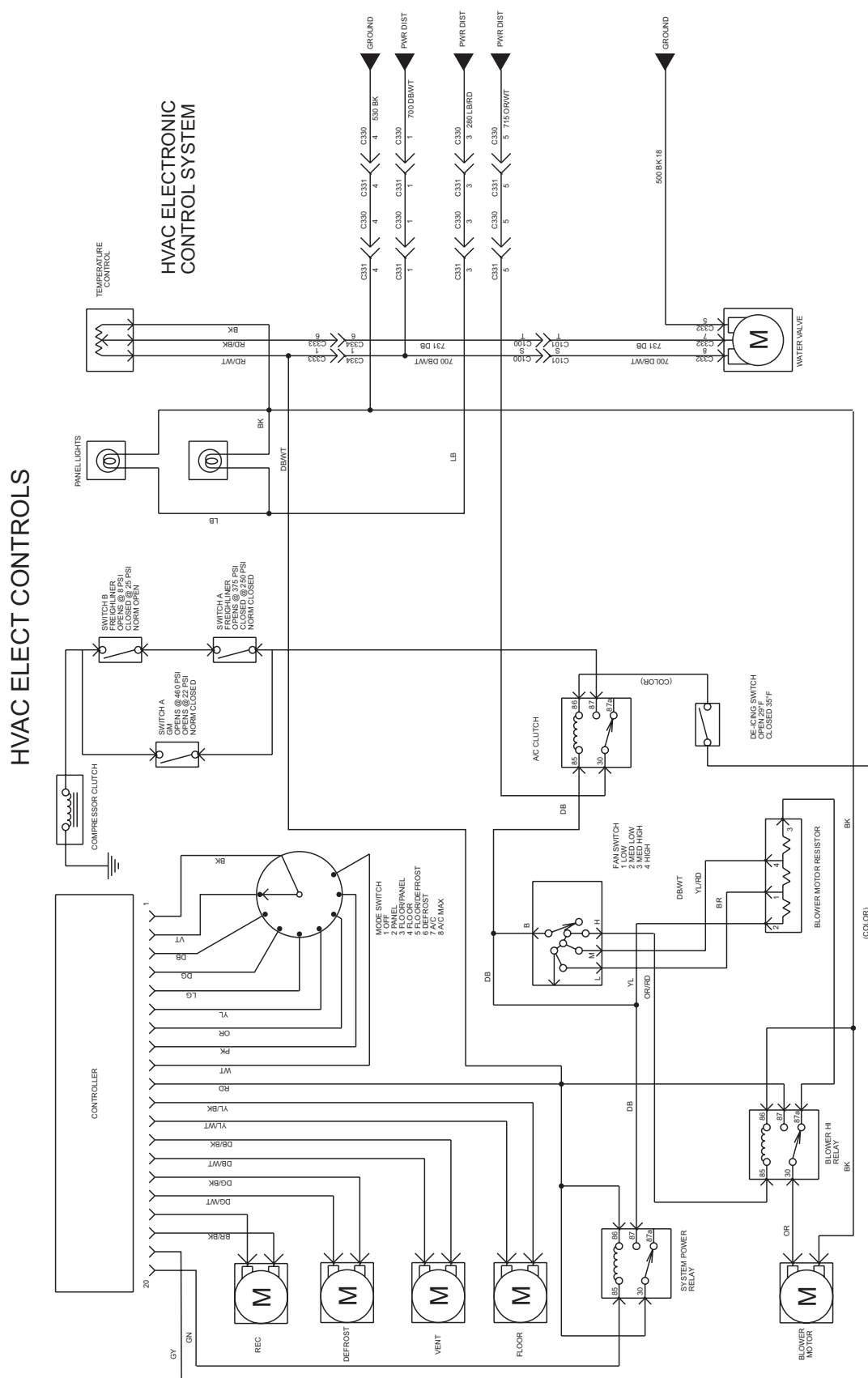
Heater Only (Electronic Controls)

HEAT ONLY ELECTRONIC CONTROLS



Heater and Air Conditioning (HVAC)

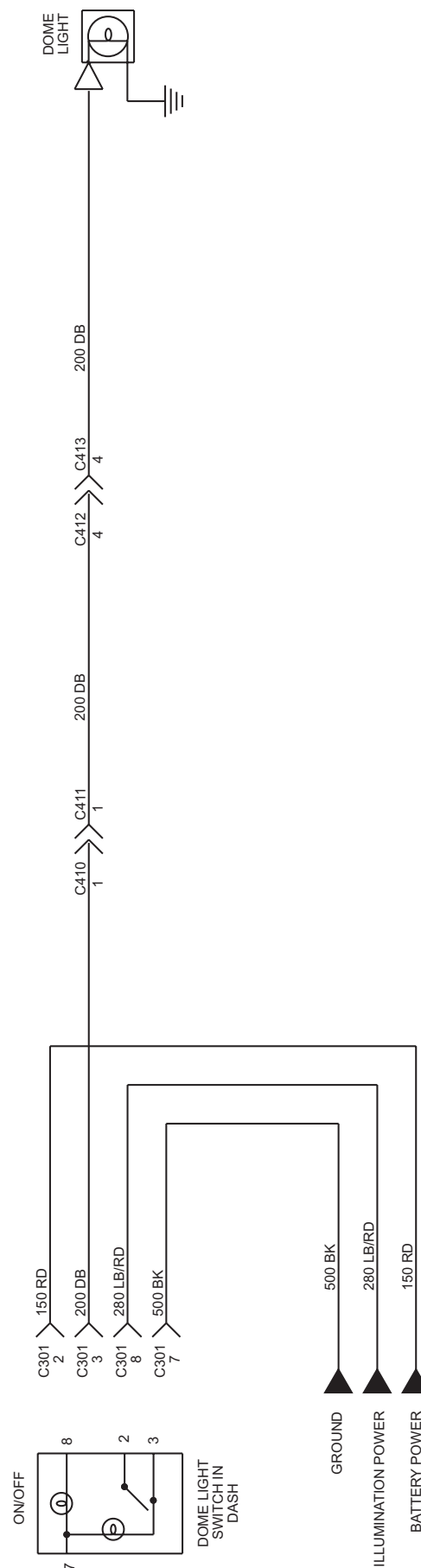
Heater with A/C System (Electronic Controls)



HVAC Sys - Diagram 5623121ax19 Sheet 19

Light, Cab Dome

CAB DOME LIGHT DASH MOUNTED SWITCH

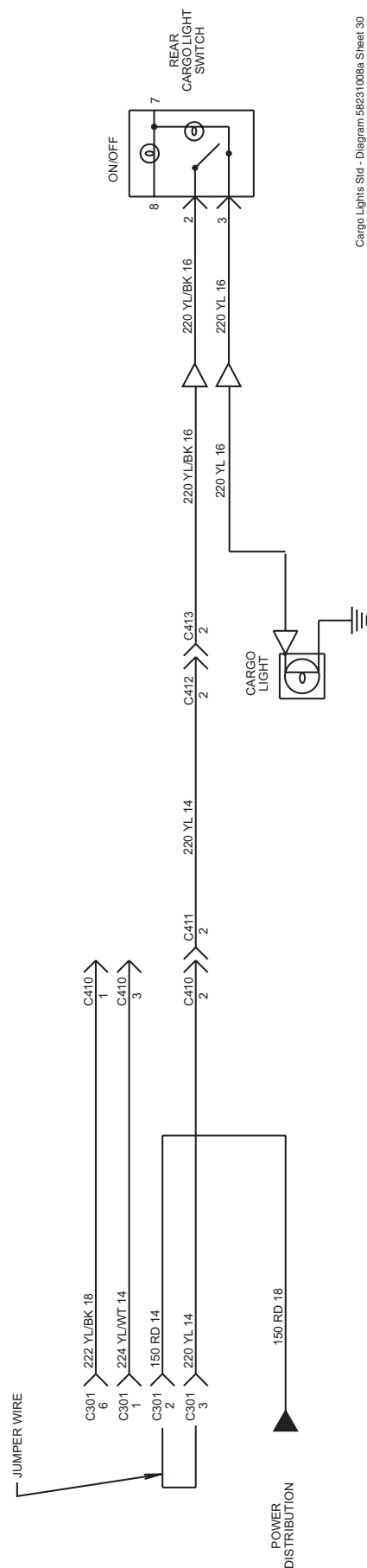


Cab Dome Light - Diagram 58231212ax36 Sheet 36

Lights, Cargo Standard

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.

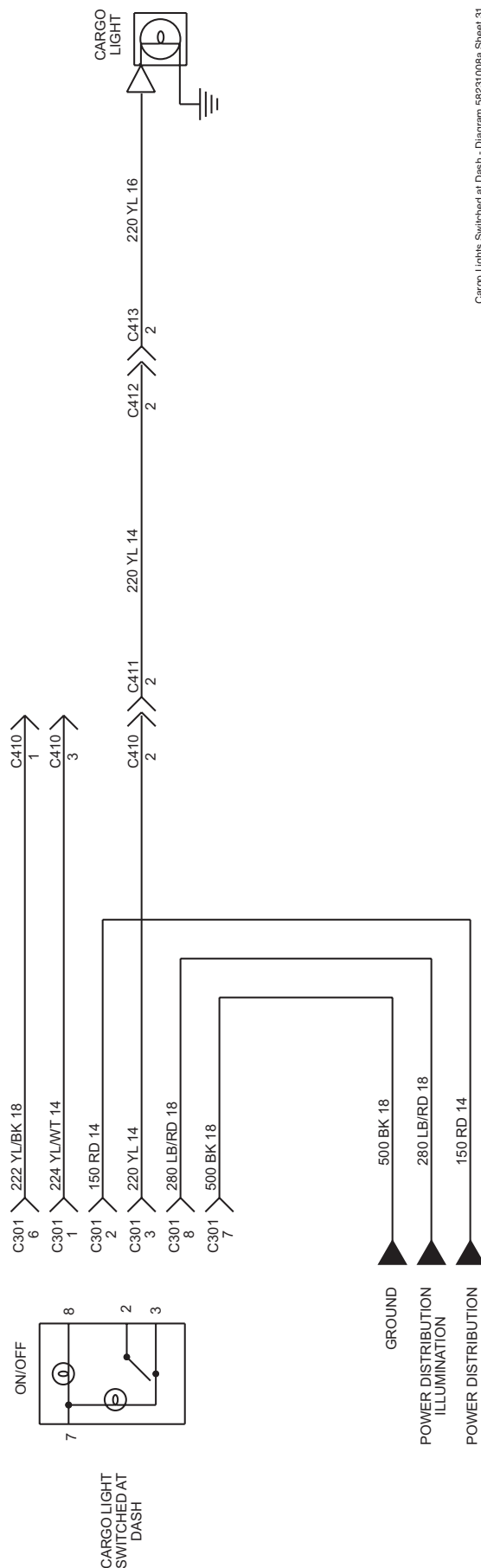
CARGO LIGHTS STANDARD WIRING



Lights, Cargo Switch on Dash

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.

CARGO LIGHTS SWITCHED ON DASH



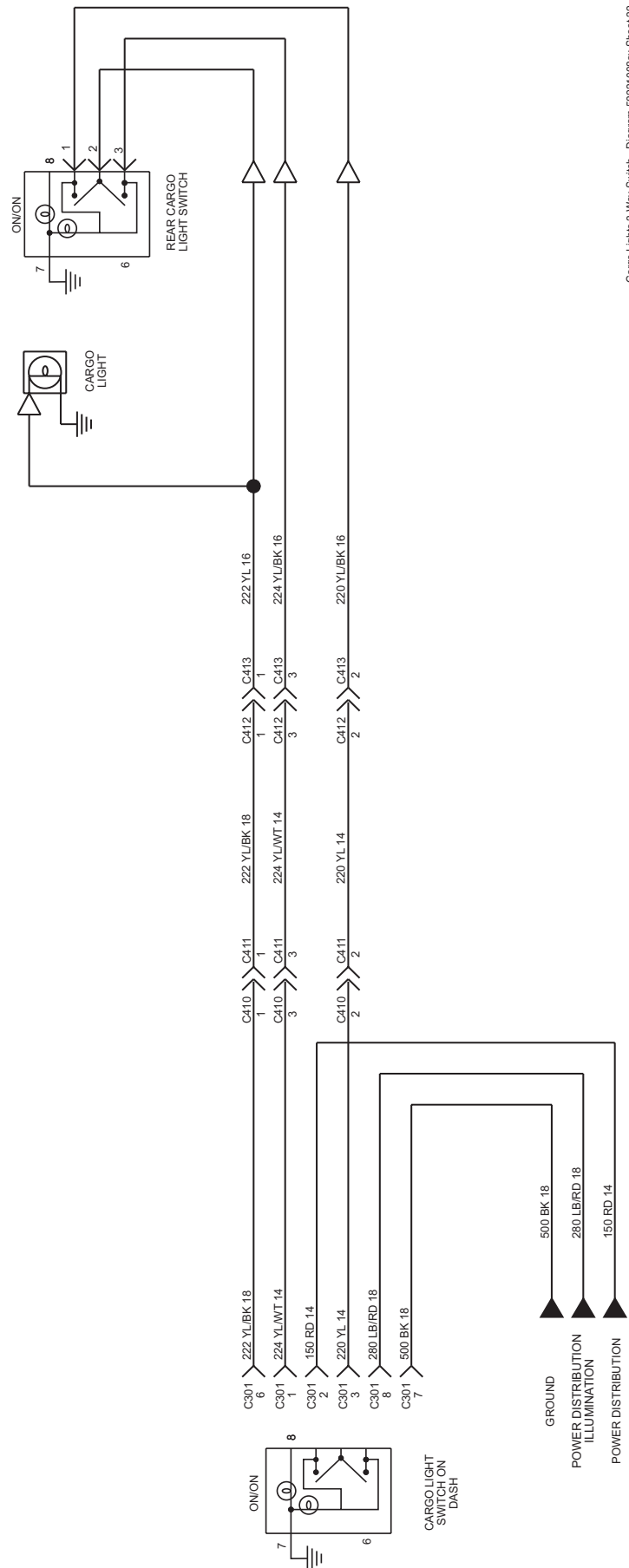
Cargo Lights Switched at Dash - Diagram 58231008a Sheet 31

Lights, Cargo

Three-Way Switch

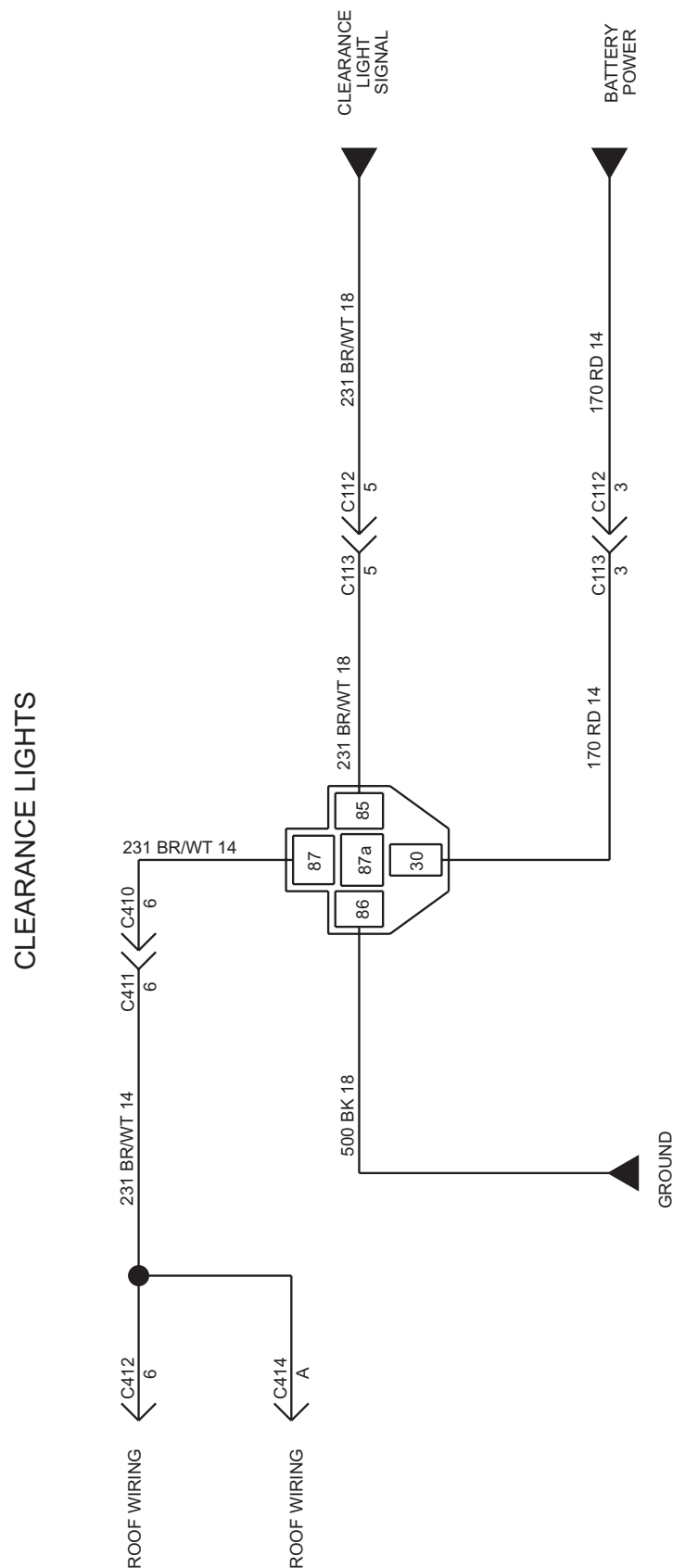
NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline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

CARGO LIGHTS 3-WAY SWITCH



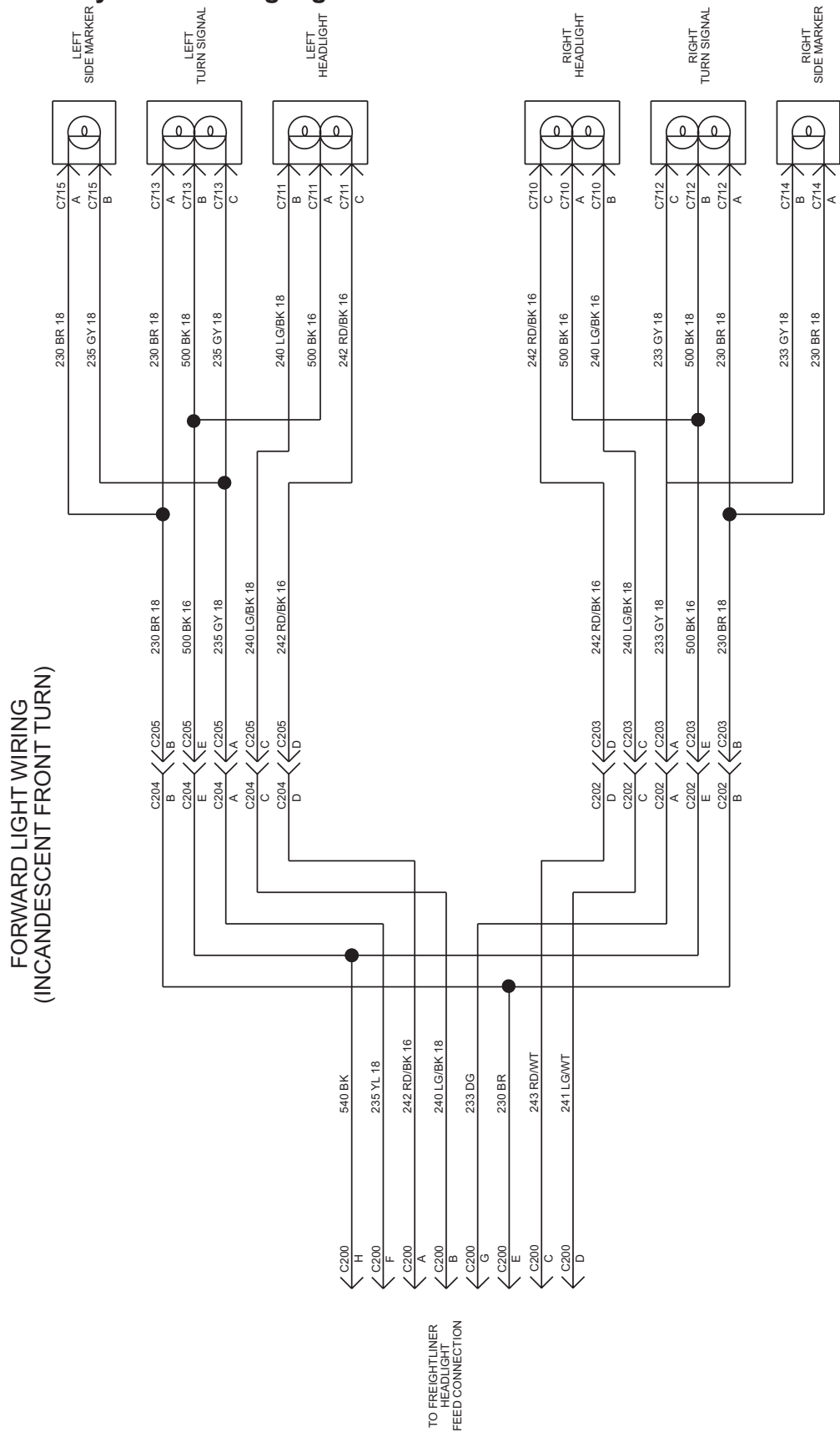
Lights, Forward

Clearance Lights



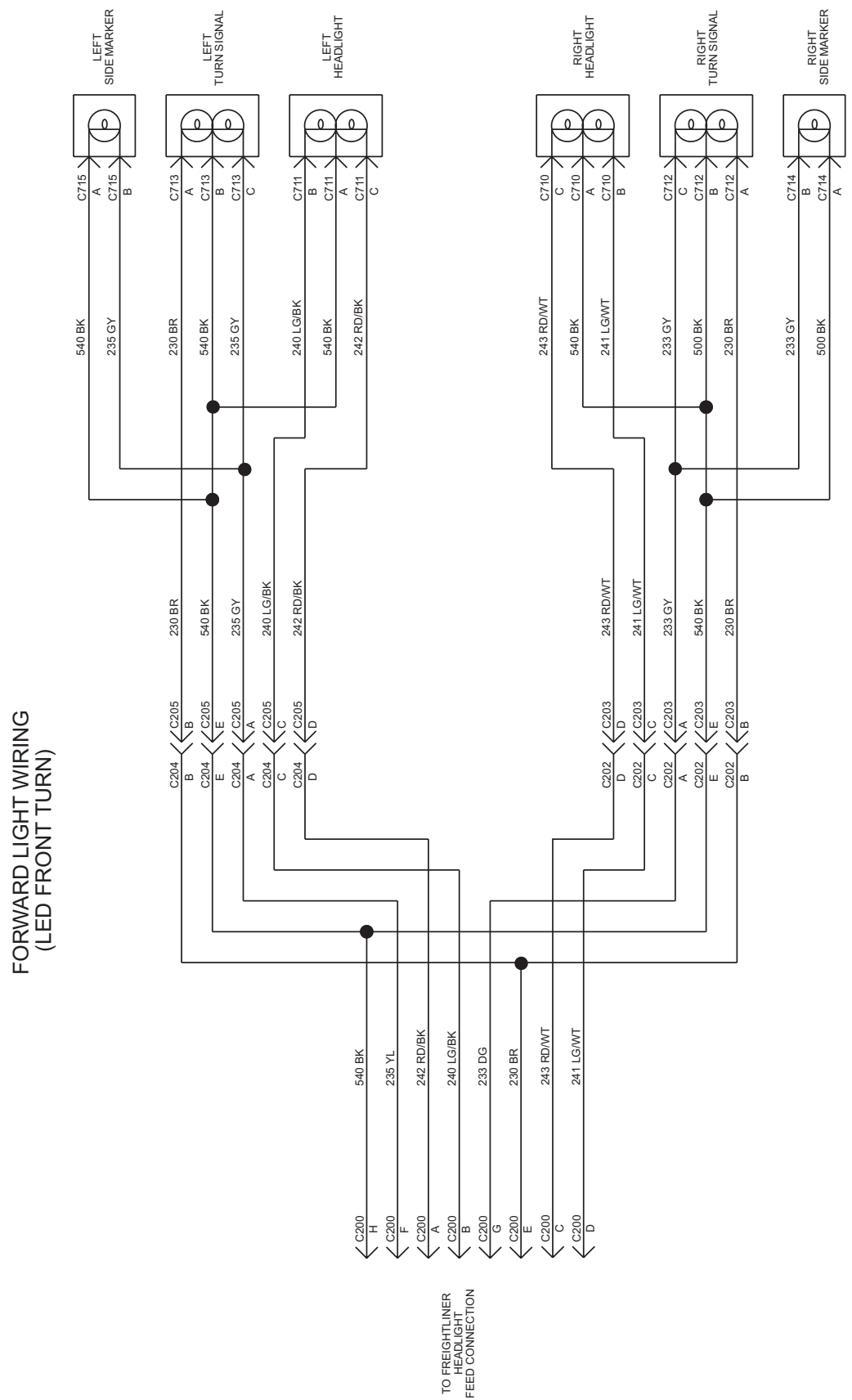
Lights, Forward

Incandescent Without Daytime Running Lights

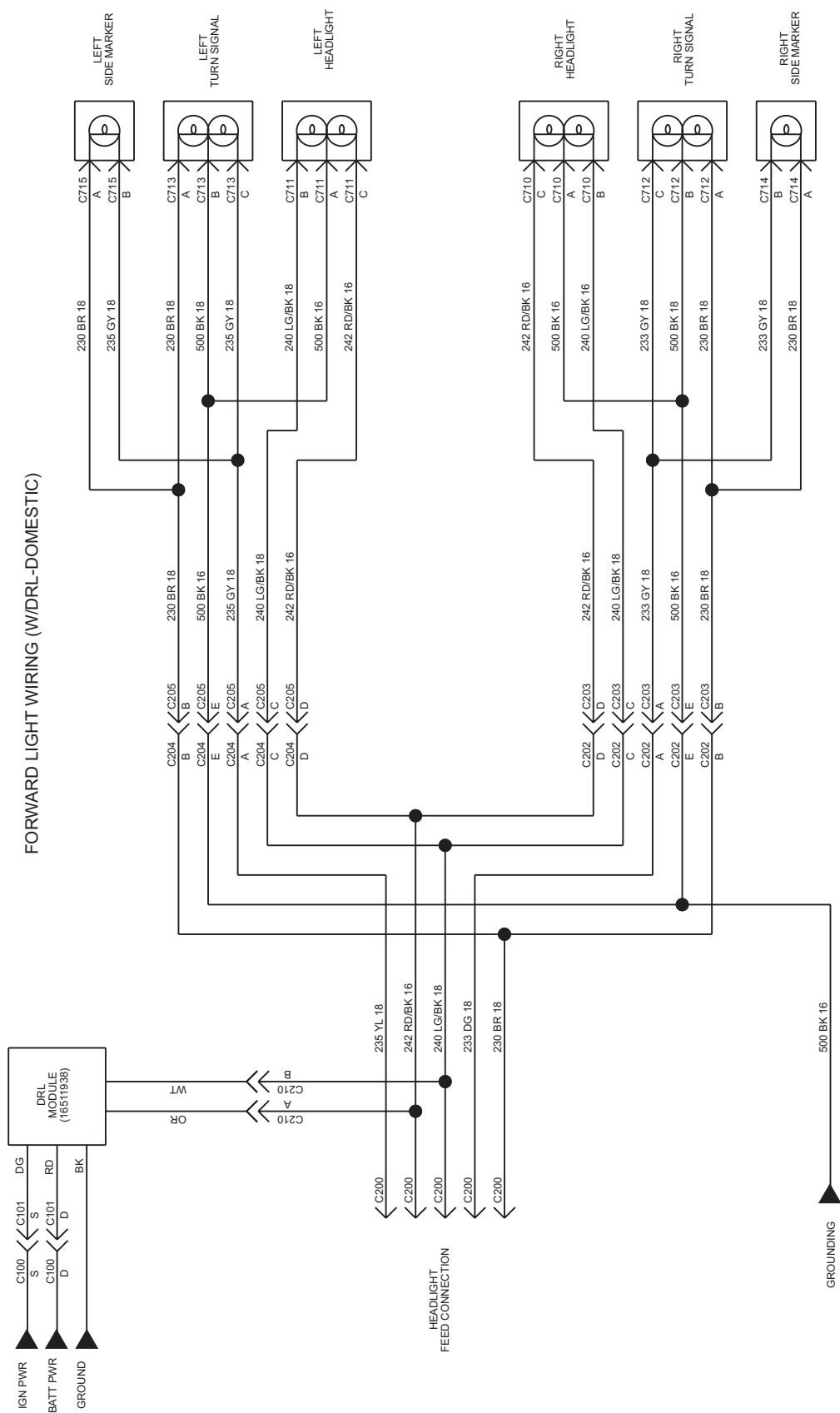


Lights, Forward

LED Without Daytime Running Lights

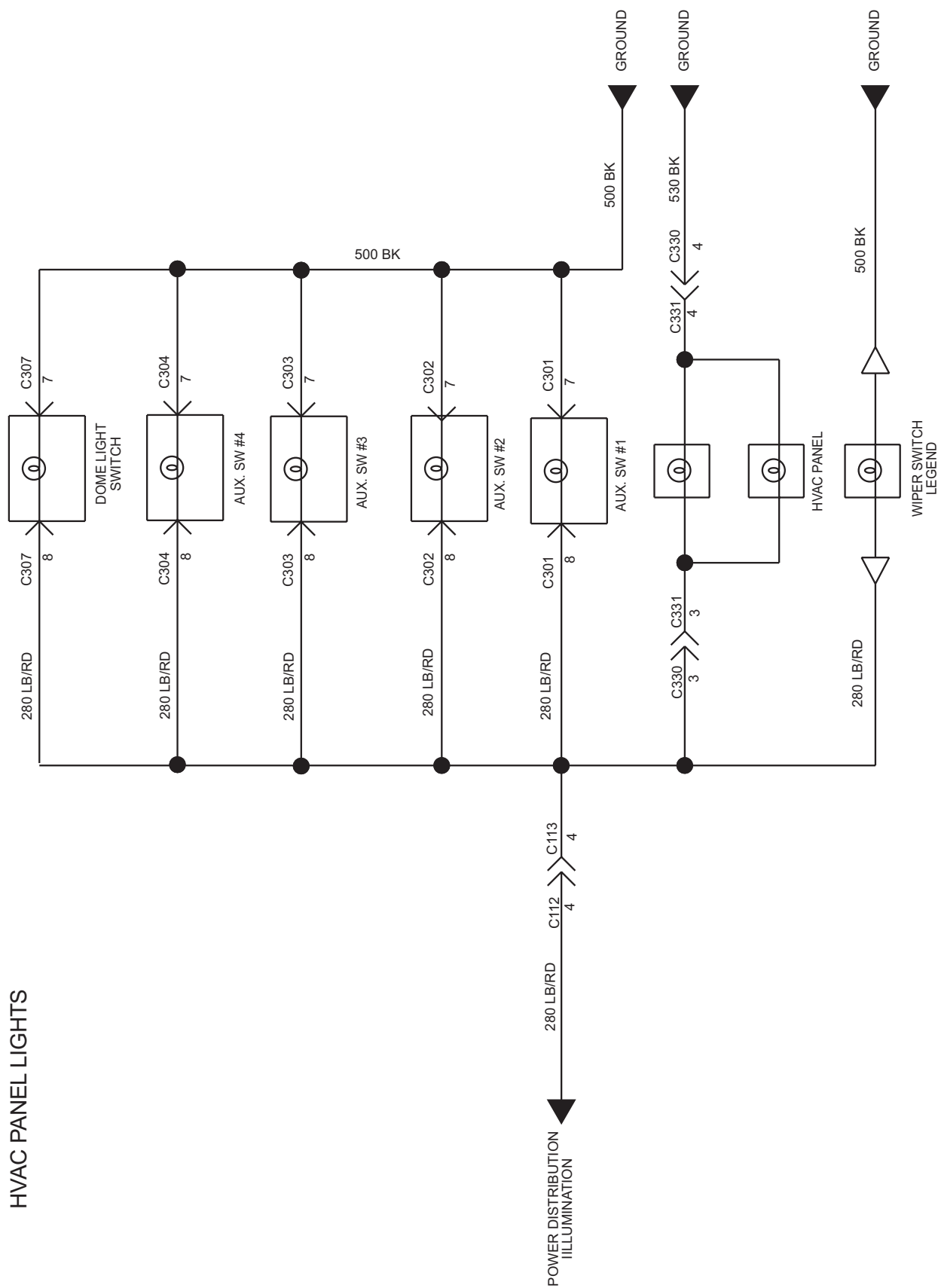


Daytime Running Lights



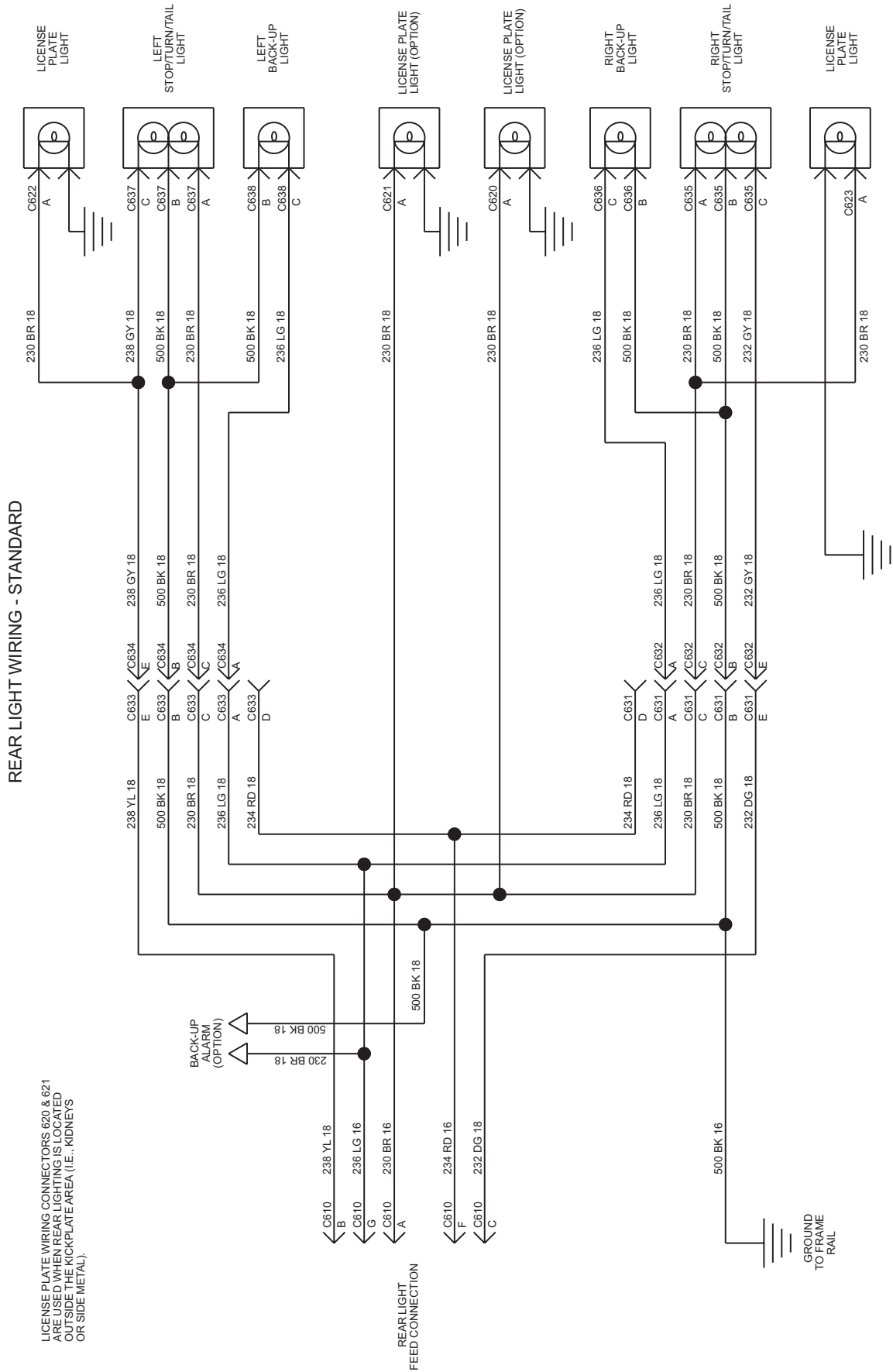
Lights, HVAC Control Panel

HVAC PANEL LIGHTS



Lights, Rear

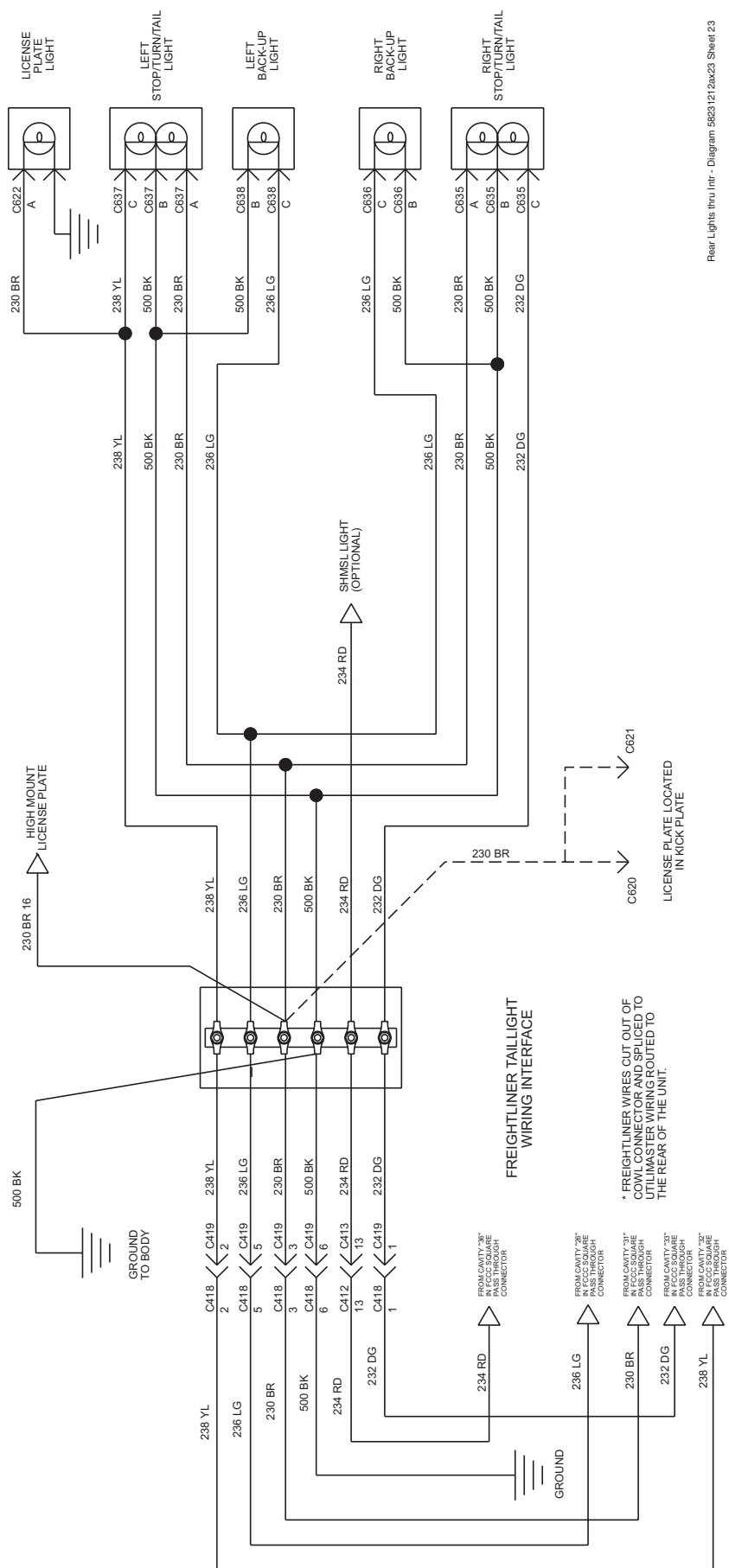
Standard



Lights, Rear

Routed through Interior

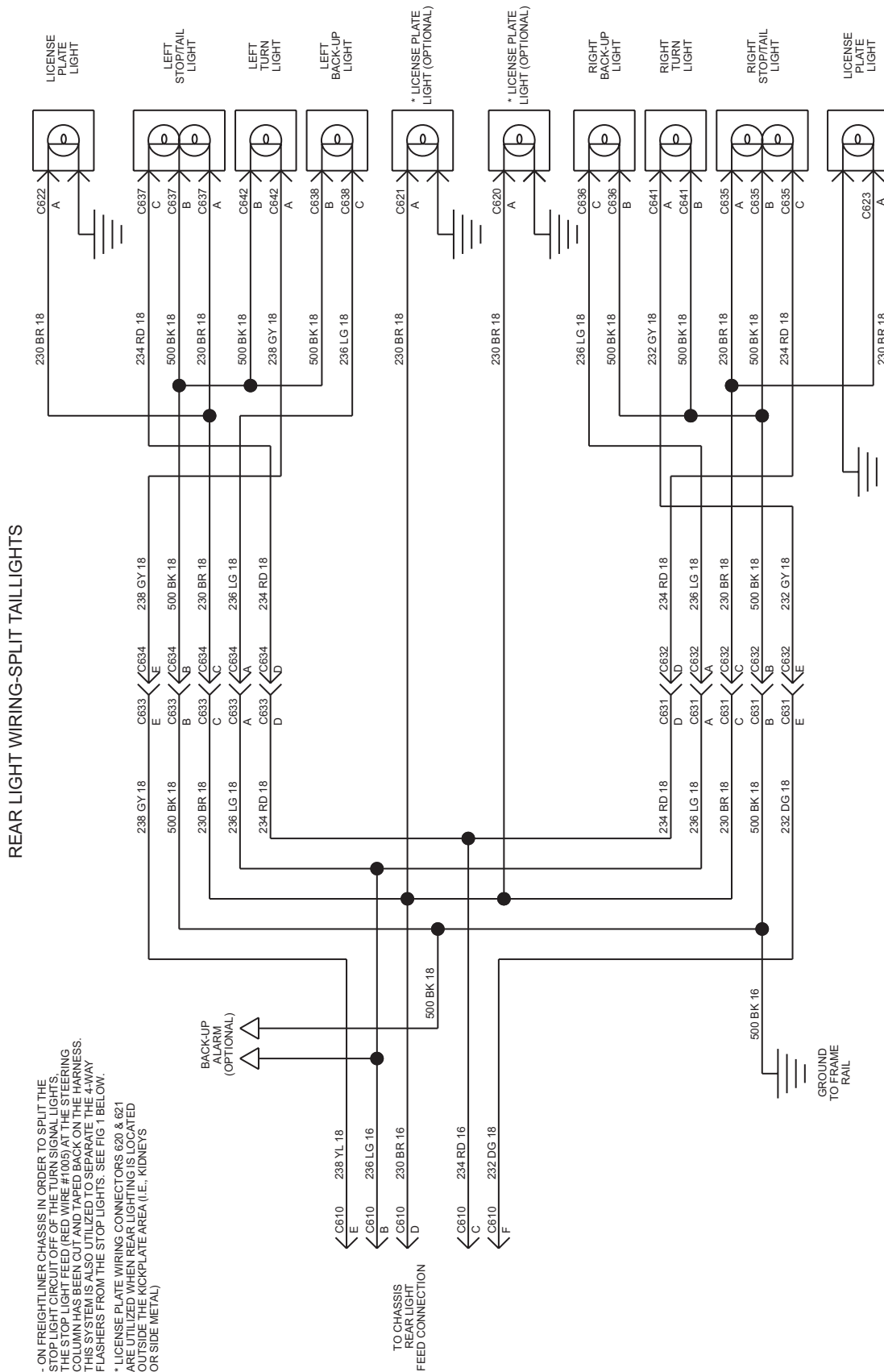
REAR LIGHT WIRING ROUTED THRU INTERIOR-TYPICAL



Rear Lights thru Intr - Diagram 56231212ax23 Sheet 23

Lights, Rear

Split Taillights



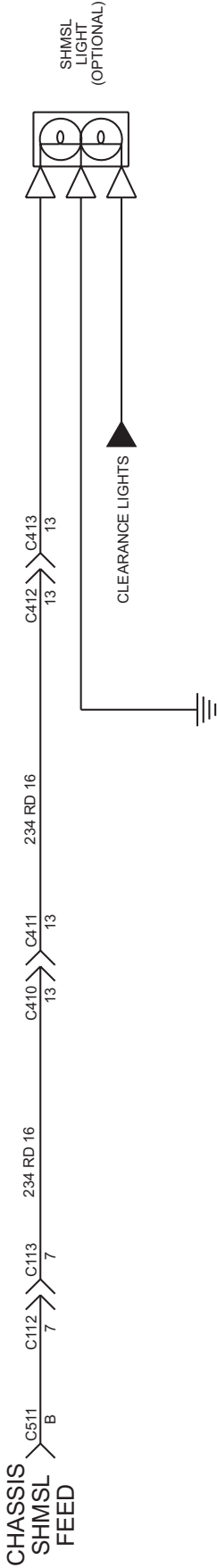
Split Taillights Routed through Interior



Lights, Rear

Supplemental High Mount Stop Light (SHMSL)

SUPPLEMENTAL HIGH MOUNT STOP LIGHT (SHMSL)

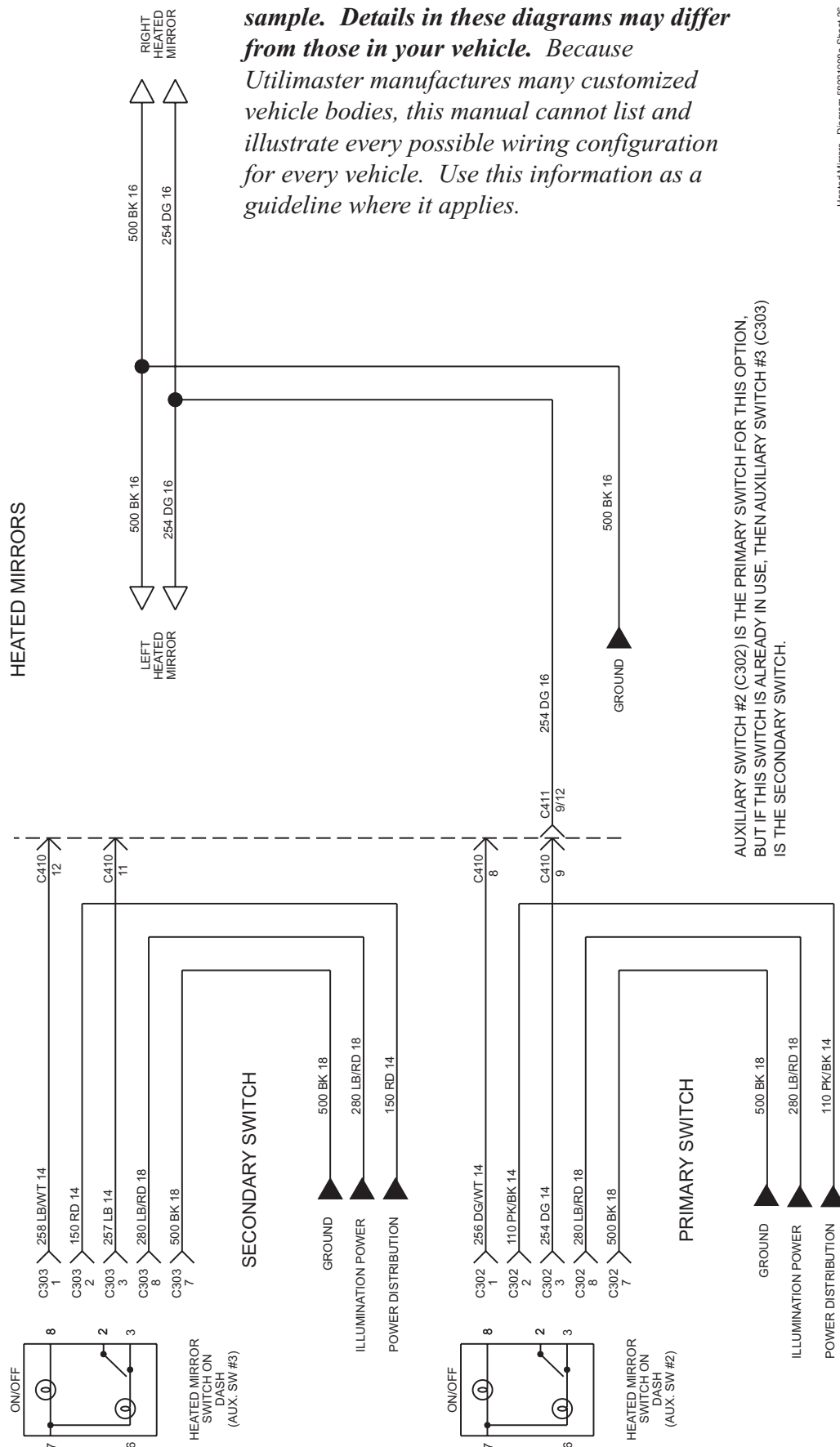


NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline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

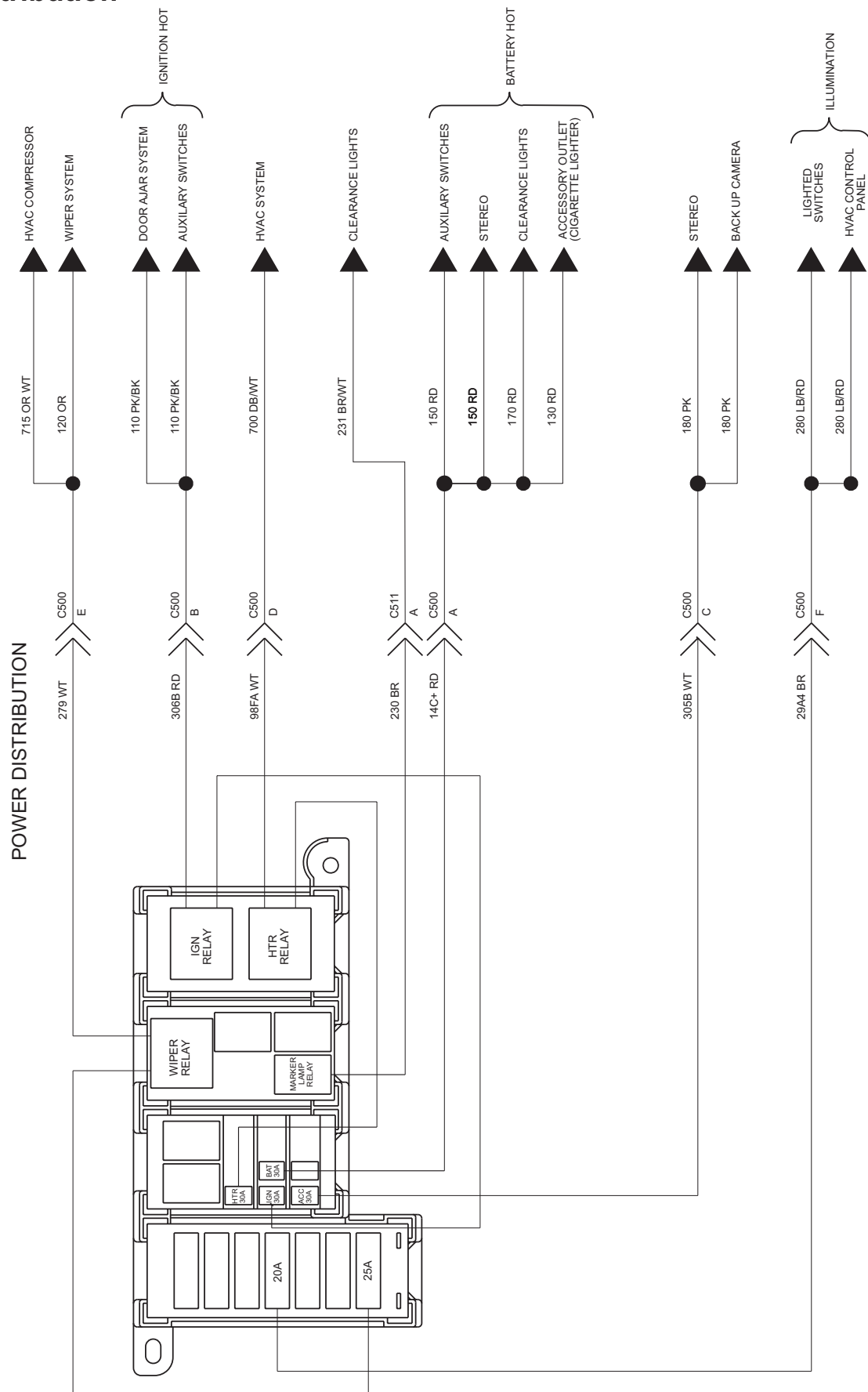


Mirrors, Heated

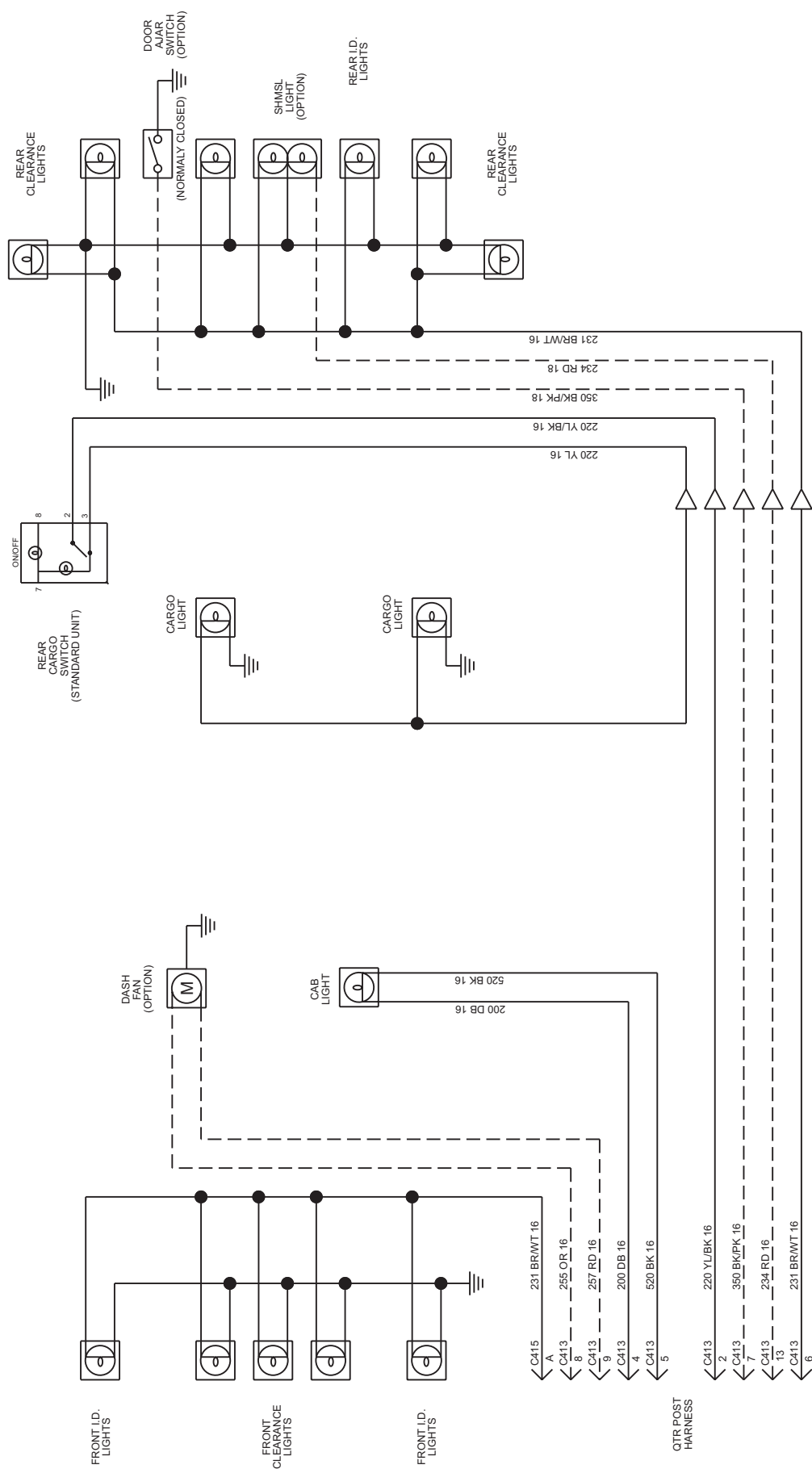
NOTE: These wiring diagrams are a generic sample. Details in these diagrams may differ from those in your vehicle. Because Utilimaster manufactures many customized vehicle bodies, this manual cannot list and illustrate every possible wiring configuration for every vehicle. Use this information as a guideline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



Power Distribution

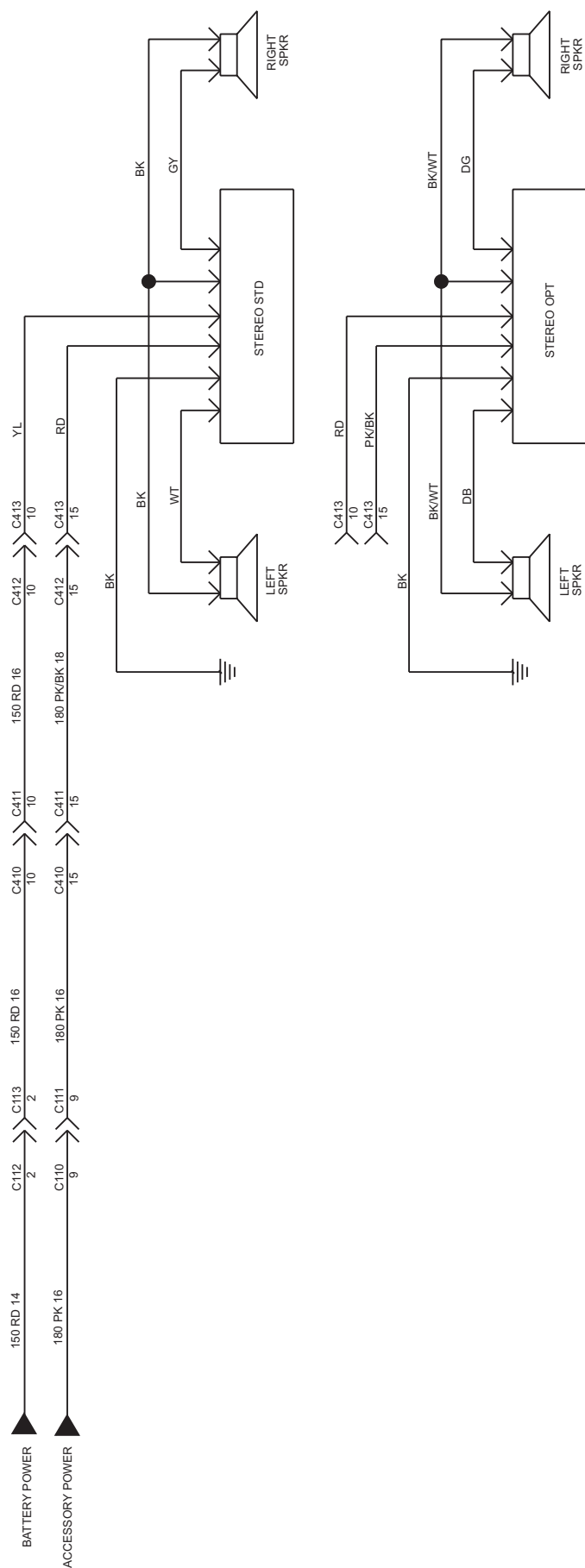


Roof Wiring



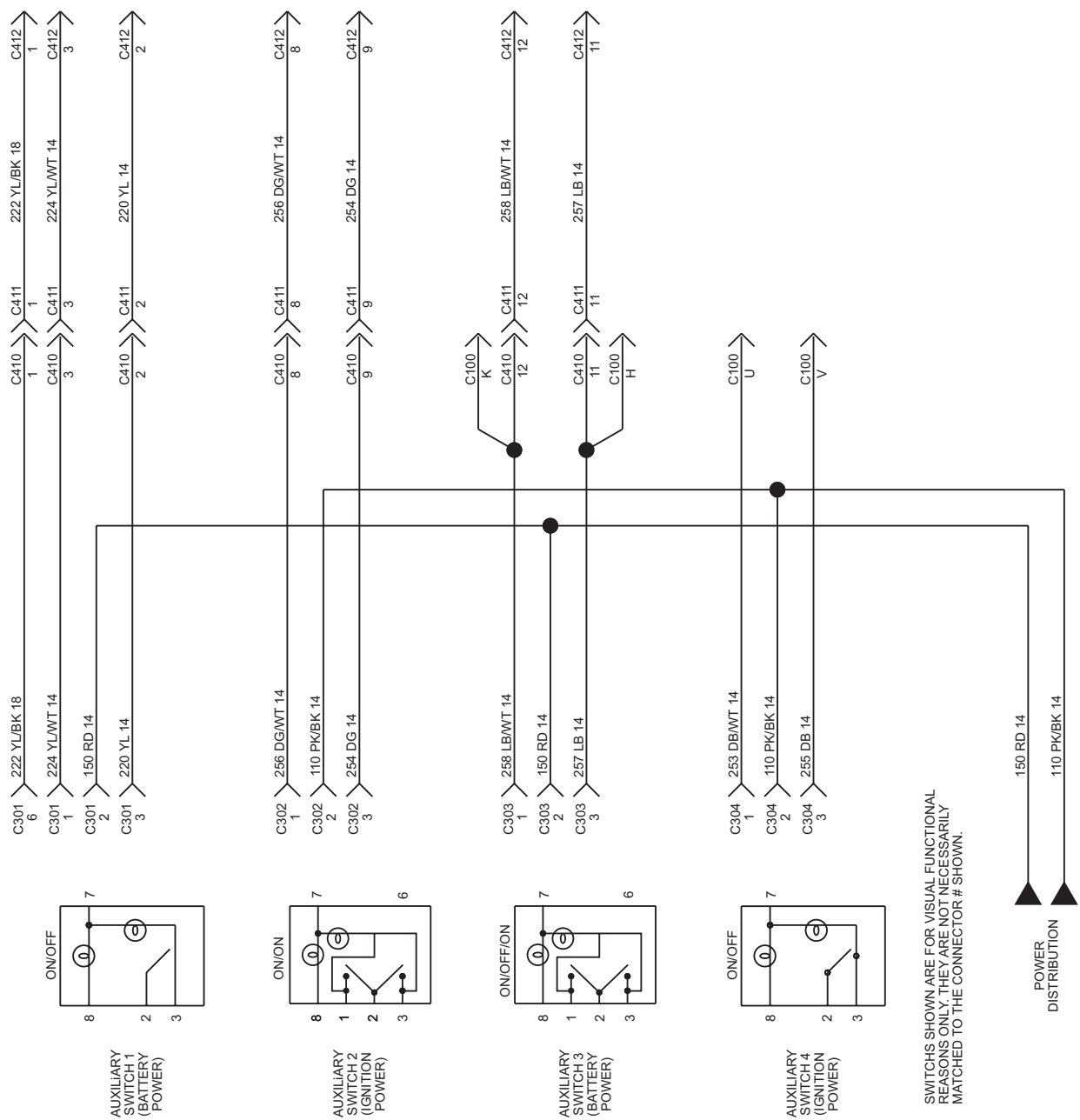
Stereo System

STEREO SYSTEM WIRING

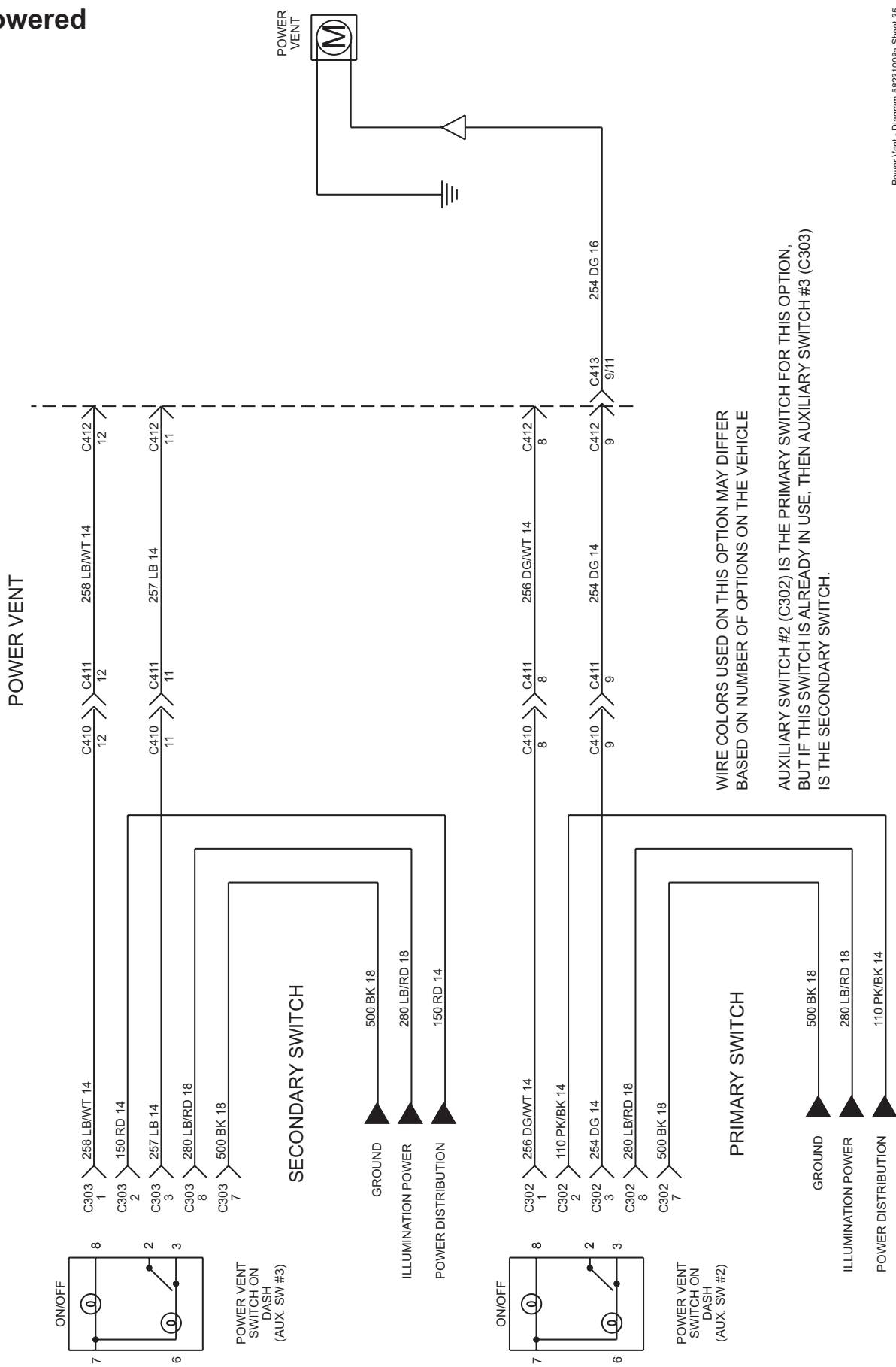


Switches

SWITCHES



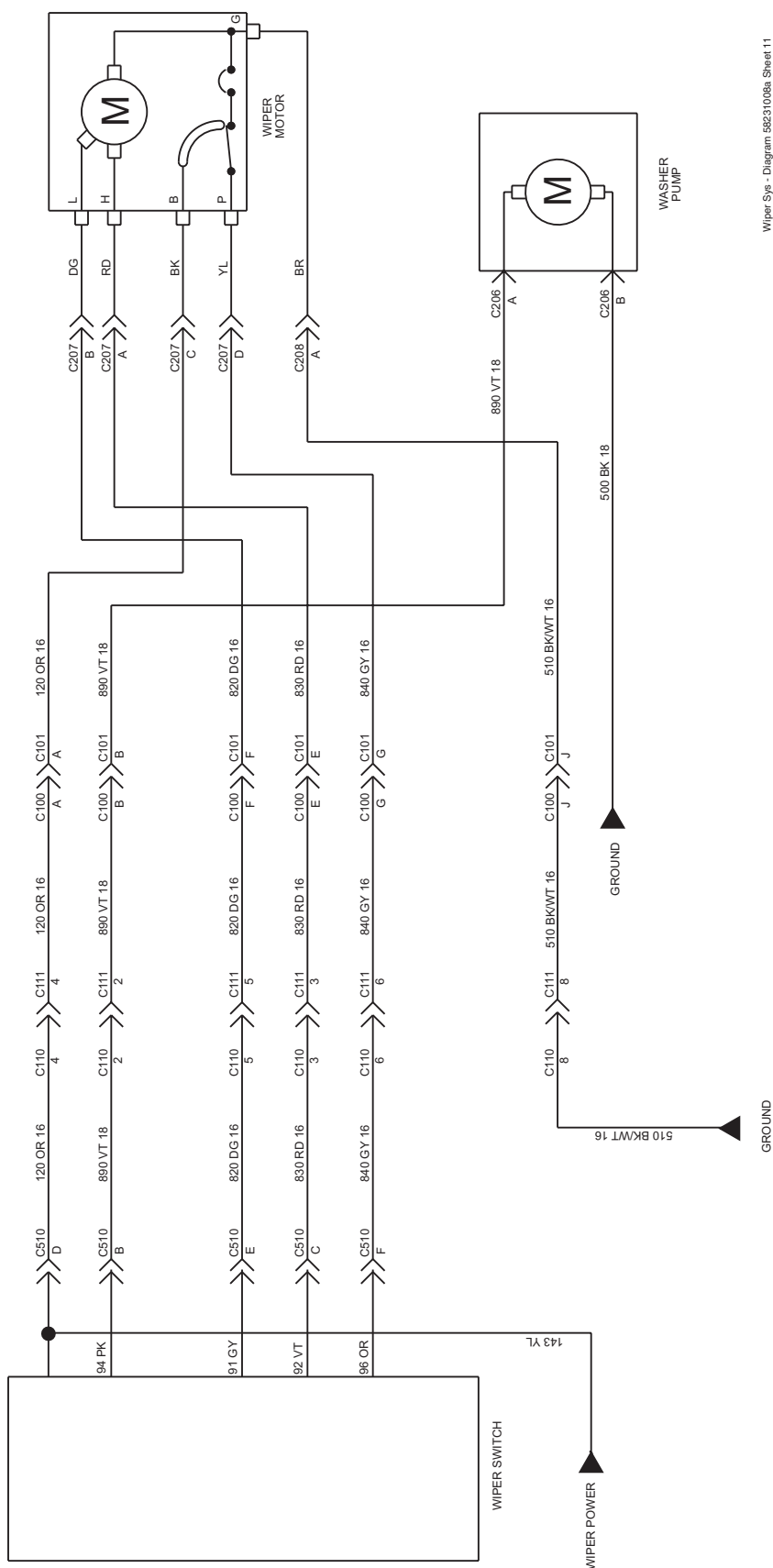
Vent, Powered



Wiper System

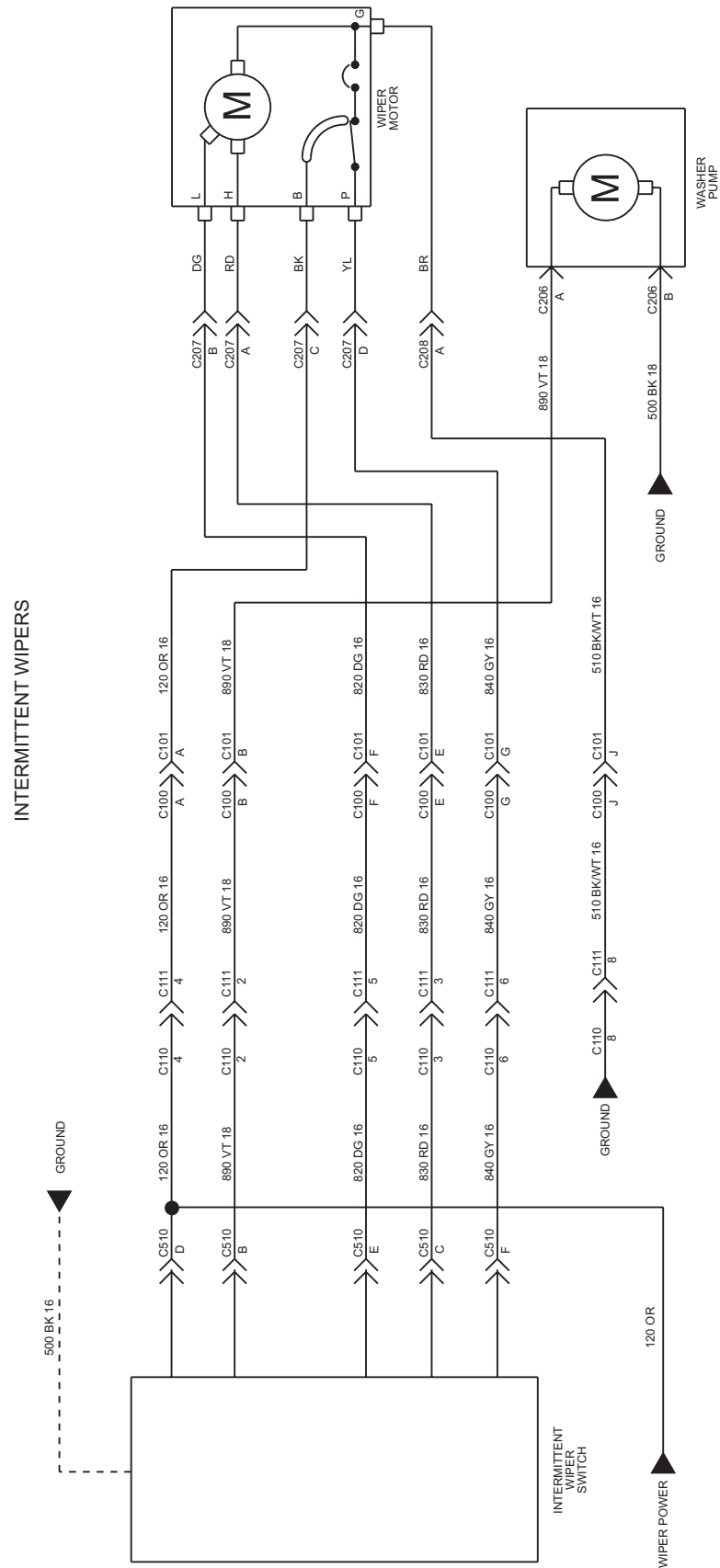
Standard

STANDARD WIPERS



Wiper System

Intermittent Option



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*.

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

Utilimaster

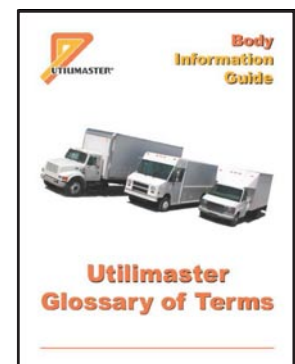
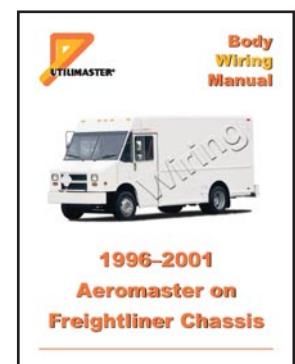
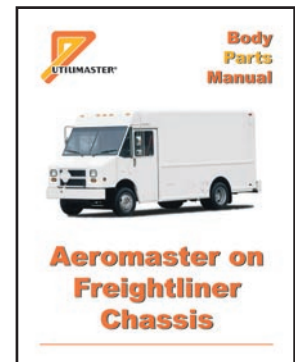
Attn: Customer Service Department

65528 State Road 19

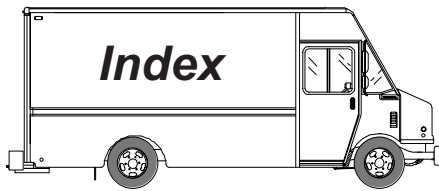
P.O. Box 585

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.



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