UNITY | TWIN BED

2023 MANUAL



LEISURE
TRAVEL VANS

⚠ WARNING

Operating, servicing and maintaining a passenger vehicle, pickup truck, van, or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.
For more information go to www.P65Warnings.ca.gov/passenger-vehicle

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1. INTRODUCTION

Congratulations! Thank you for selecting a Leisure Travel Vans Motorhome.

Welcome to the exciting world of motorhome travel and camping, with all the comforts of home with you, while you travel and enjoy the outdoors.

Your motorhome has been designed and manufactured to enhance your travel and camping experience and to provide you with safe, efficient and trouble-free operation.

Before your first drive, become familiar with the operation of the vehicle chassis and all functions and operations of the motorhome. Spend adequate time with your dealer when you take delivery to learn all you can about your new motorhome.

KEEP the Motorhome Information Kit within your motorhome for readily available reference.

PASS this manual, the Chassis Operation Manual and the Motorhome Information Kit to any subsequent operator or owner.

For clarification or further details on any of the enclosed information, please contact:

Your Leisure Travel Vans Dealer or Triple E RV Customer Service at:

Email:	info@tripleerv.com
Toll Free:	877-992-9906
Telephone:	204-325-4361
Fax:	204-325-5241

SUPPLEMENTAL MANUAL

This manual was prepared to aid the operator and occupants in the operation and care of the motorhome by giving specific information about your model. There are many options to Leisure Travel Vans, so ensure that you are familiar with your motorhome's systems and equipment. All operators and occupants of the motorhome should read, understand and follow the instructions in this manual, the vehicle chassis manual & the information contained in the Motorhome Information Kit provided with your new motorhome.

Your motorhome contains a number of systems, components, equipment, and appliances manufactured by vendors that supply components for Triple E RV. These vendors are unrelated to Triple E RV.

Before operating the motorhome for the first time – even if an experienced motorhome operator – read and become familiar with all of the relevant manuals to your motorhome, components, equipment and appliances provided in the Motorhome Information Kit. Your familiarity with the detailed operation of your motorhome will assist in your safe, efficient and trouble-free motorhome operation.

MOTORHOME INFORMATION KIT

The Motorhome Information Kit includes but isn't limited to information on the components, equipment and appliances listed below (based on options selected).

- Refrigerator
- Stove top
- Furnace
- Electrical Panel
- Toilet
- Water Heater
- Water Pump
- Water Filtration
- Vent (roof)
- Fire Extinguisher
- Smoke Detector
- Thermostat
- CO Detector
- Propane Detector
- Gas Regulator
- TV Antenna
- TV/DVD
- Chassis
- Air Conditioner
- Generator
- Stabilizers/Leveling Jacks
- Rear View Monitor
- Inverter
- Entertainment System
- Safety
- Flooring and Countertops
- Electric Step
- Solar Panel
- Surge Protector
- Safe
- Awning

OPTIONS AND EQUIPMENT

Leisure Travel Vans are available in various sizes and floor plan configurations and with differing optional equipment. The equipment, accessories and components described in this manual may not apply in all respects to your motorhome. Read the material and manuals provided in the Motorhome Information Kit for detailed instructions regarding the equipment specific to your motorhome.

SERVICE ASSISTANCE

Your dealer will assist you with any additional information you need and will answer any questions you have about the operation of your motorhome. When it's time to service the vehicle, remember that your dealer knows your motorhome best and is dedicated to your satisfaction. Your dealer will provide quality maintenance and assistance during your period ownership. Triple E RV strongly recommends that you follow a regular maintenance schedule to keep your motorhome functioning at its best.

Call the following numbers if you require warranty assistance while traveling:

Triple E RV: 1-877-992-9906

Canada Sprinter Customer Service:
1-800-387-0100 www.thesprinter.ca

US Sprinter Customer Service:
1-877-762-8267 www.mbsprinterusa.com

Canada Ford Customer Service:
1-800-565-3673 www.ford.ca

US Ford Customer Service:
1-800-392-3673 www.ford.com

Emergency Roadside Service* Call:
1-877-219-3831
4287 Beltline Road, Box 198
Addison, Texas 75001

*This Emergency Roadside Service is available to owner of the motorhome during the first two years after purchase.

REPORTING SAFETY DEFECTS

If you suspect your motorhome has a safety defect that could cause injury or death, immediately contact Triple E RV. Also, contact the National Highway Traffic Safety Administration (NHTSA) in the US or Transport Canada to report your concern.

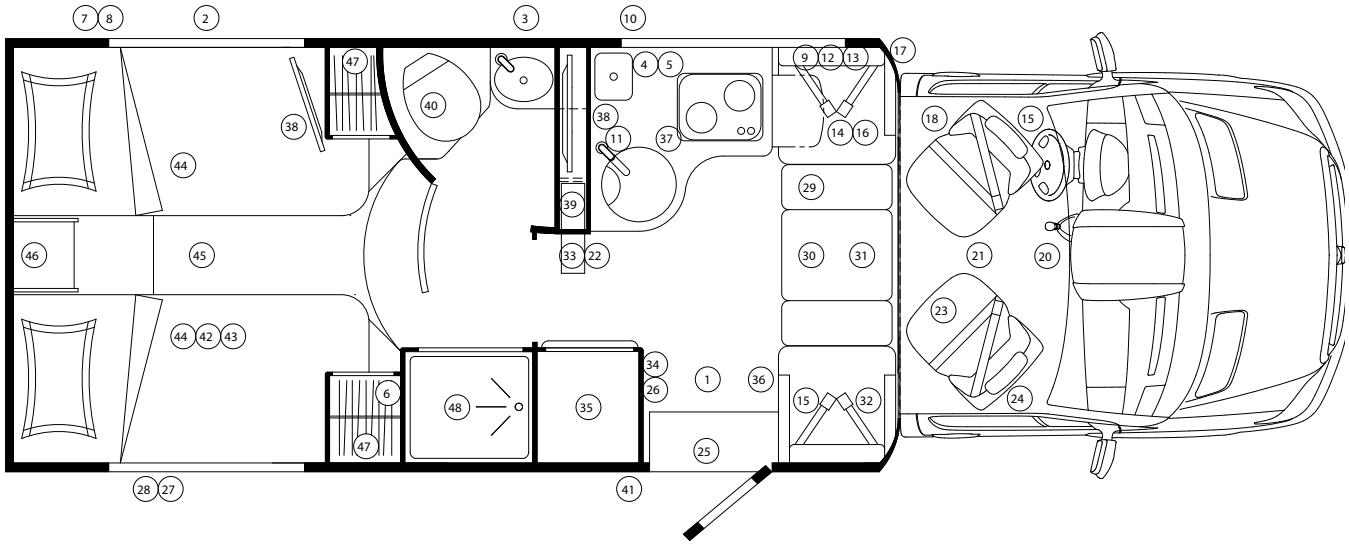
NHTSA will investigate the concern if there are a number of similar complaints. NHTSA has the authority to order a recall and repair campaign depending on the nature and severity of the problem.

You can reach the NHTSA by calling the Auto Safety Hot-line at 1-800-424-9393 (202-366-0123 in the Washington, DC, area) or by writing to NHTSA, US Department of Transportation, Washington, DC 20590. The hot-line also will provide you with additional information on motor vehicle safety.

In Canada, call 1-800-333-0510 or write to Transport Canada and Road Safety, 2780 Sheffield Road, Ottawa, Ontario K1B 3V9.

2. GENERAL INFORMATION

FLOOR PLAN

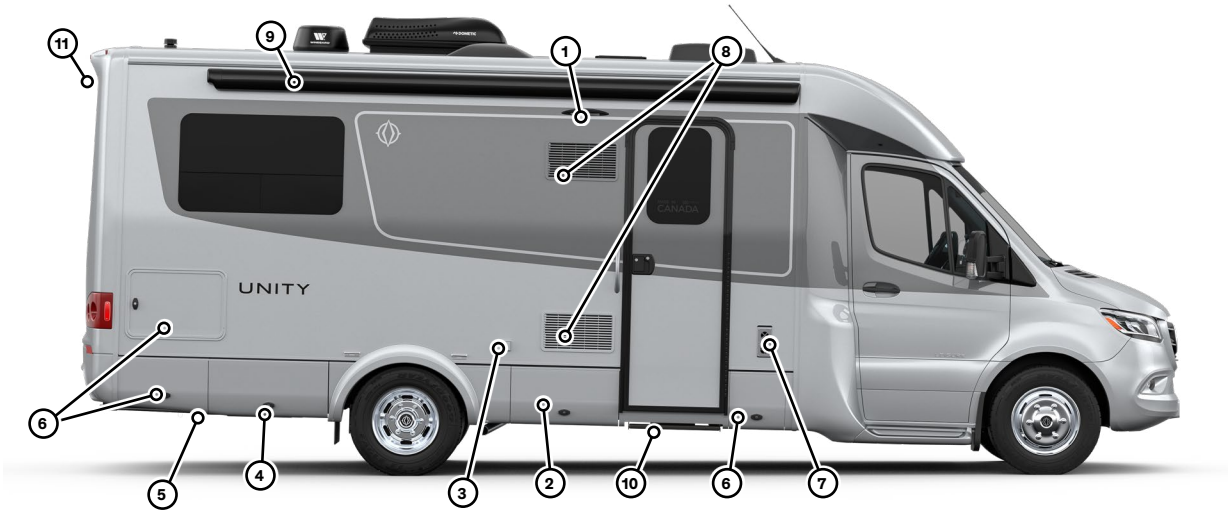


① Coach Battery's Under Floor (Solar panel 15/30amp fuse behind)
② Egress Window
③ Shore Power Plug
④ Water Heater and Furnace Under Galley
⑤ Water Pump Under Galley
⑥ Tank Flush Non Return Valve Behind Access Cover in Overhead Cabinet
⑦ Utility Center Under Floor
⑧ Macerator Option Under Floor
⑨ HDMI Switch Box and BluRay Player in Overhead Cabinet
⑩ Sewer Hose Under Floor
⑪ Water Filter Under Galley
⑫ Satellite Option Prewire and Component Connection Plate in Overhead Cabinet
⑬ TV Antenna Booster/WIFI Switch under Overhead
⑭ Generator Transfer Switch Under Dinette Seat
⑮ Step Switch, battery heat, G12 RTC shared 5A fuse under seat
⑯ Surge Protector Under Dinette Seat
⑰ USB Plug on Cab Upright
⑱ Battery Power and Ignition Fuses under Driver Seat
⑲ Chassis Battery Under Cab Floor /100Amp Fuse Under Seat
⑳ 12 Volt Plug and USB Plug
㉑ Swivel Seats
㉒ Pantry
㉓ DC/DC Charger under seat
㉔ Awning Switches and Relay Under Seat
㉕ Solar Controller, Inverter Remote, and Water Heater Dial above Entrance Door
㉖ Battery Disconnect Switch on Cabinet Wall
㉗ Generator Option Under Floor
㉘ Exterior BBQ Connection Under Floor
㉙ Breaker Panel
㉚ Dinette
㉛ Smoke Alarm on Ceiling
㉜ MultiPlex Display
㉝ Thermostat Sensor
㉞ Fire Extinguisher
㉟ Fridge(2A fuse behind vent) Microwave Above
㊱ Propane/Carbon Monoxide Detector on Dinette Side
㊲ Galley
㊳ TV
㊴ MultiPlex G12 Panel Board behind Access cover
㊵ Toilet
㊶ Inverter In Compartment Under Floor
㊷ Water Tank Under Bed
㊸ Water Tank Drain Under Bed
㊹ Bed
㊺ Propane Tank Under Floor
㊻ USB Plug
㊼ Wardrobe
㊽ Shower

EXTERIOR EQUIPMENT LOCATION

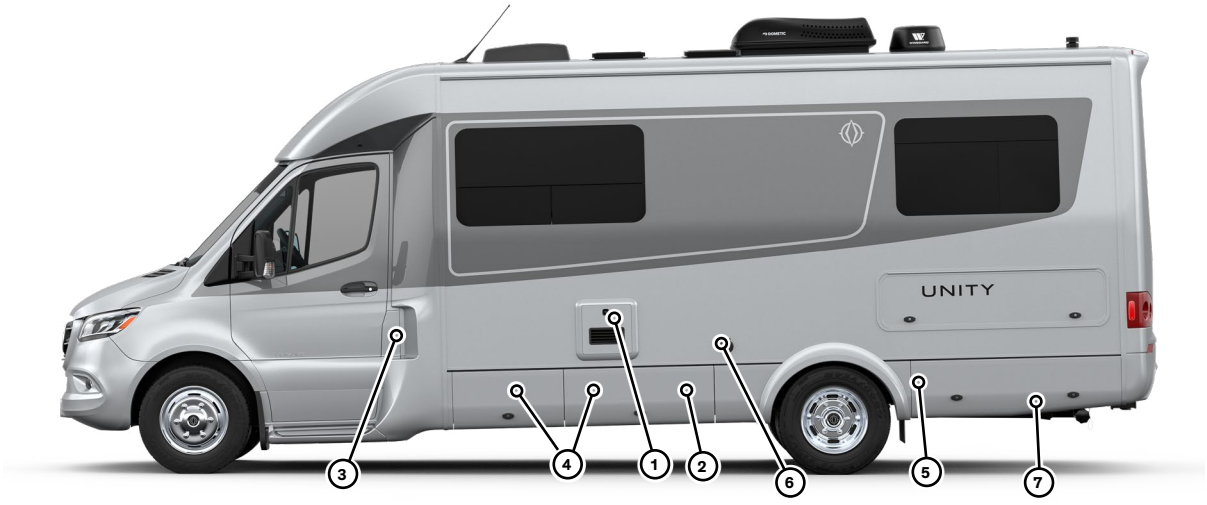
PASSENGER SIDE VIEW

1. Light
2. Inverter and Storage Compartment
3. External Receptacle
4. Generator Compartment
5. BBQ Hook-Up
6. Storage Compartment
7. Furnace Exhaust
8. Refrigerator Vents
9. Awning
10. Entrance Step
11. Ladder (Optional)



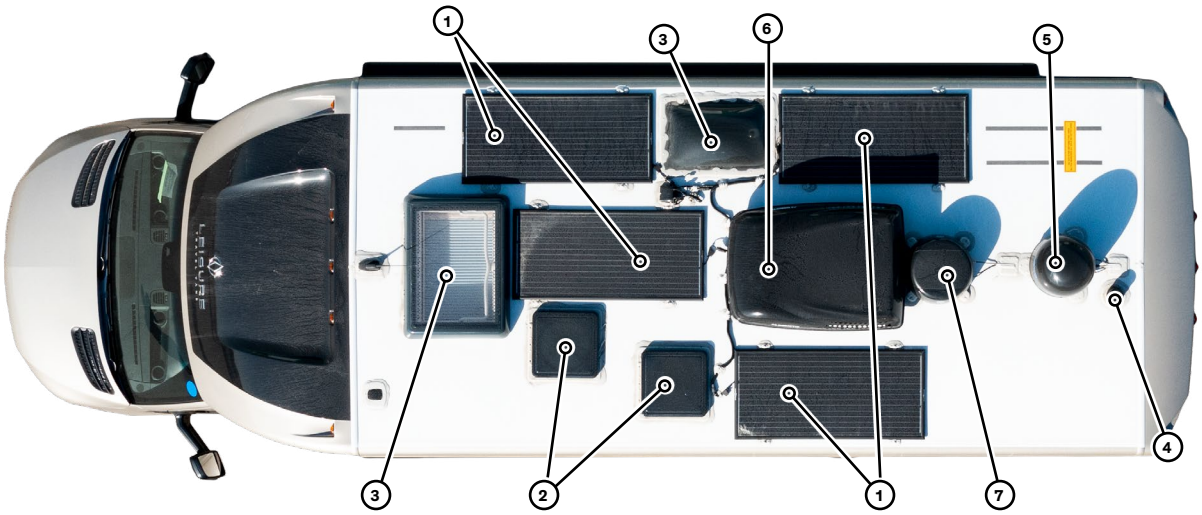
DRIVER SIDE VIEW

1. Water Heater
2. Sewer Hose (Behind Doors)
3. Diesel Fill
4. Storage Compartment
5. Utility Center
6. Shore Power Connection
7. Sewer Termination



TOP VIEW

1. Solar Panels (Optional)
2. Roof Vent
3. Skylight
4. Stack Vent
5. Satellite (Optional)
6. A/C
7. TV/WiFi Antenna

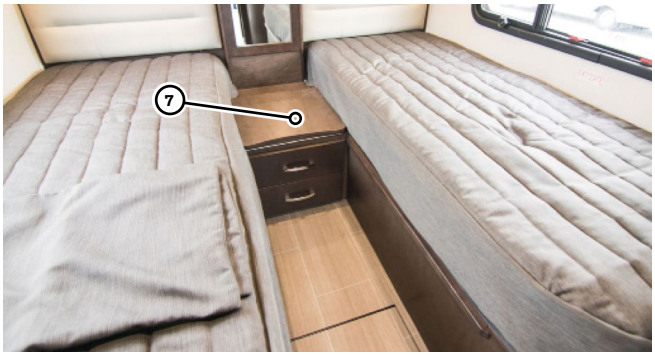


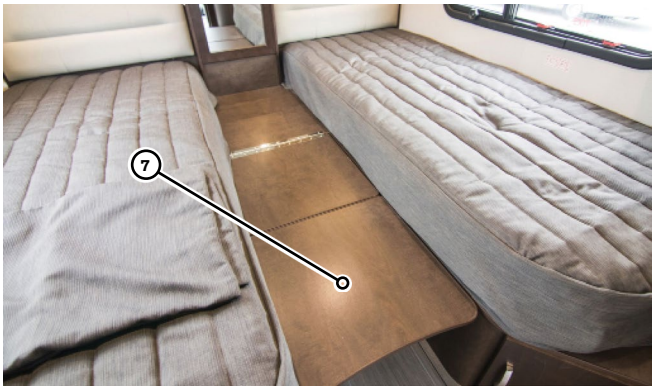
BEDS AND SEATING

U24TB SLEEPING

TWIN BED CONVERSION

1. Fold out the cushion support ⑦.





2. Insert the two cushions ⑧, stored below the bed cabinet.



U24TB DINETTE SEATING

INSTALLING THE REMOVABLE TABLE ASSEMBLY

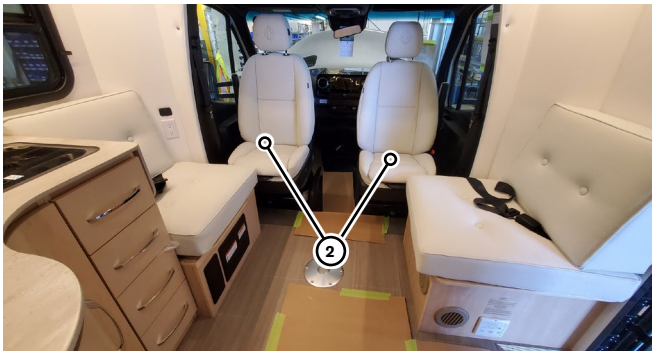
1. Locate the table leg and table top stored in the bedroom cabinet/bed base.
2. Engage the table leg into the floor plate ⑨ and install the table top onto the leg.



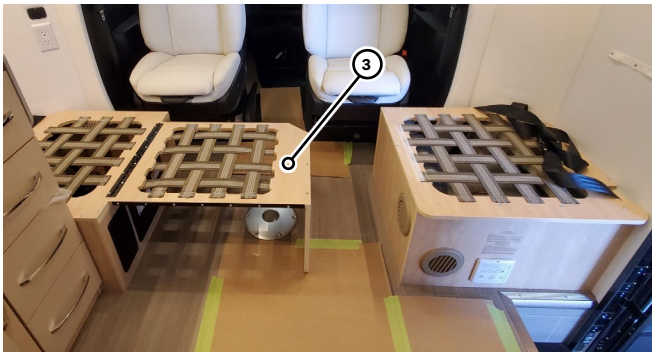
FRONT BED (OPTIONAL)

SETTING UP THE BASE FOR THE UNITY IB/TB:

1. Rotate both Driver and Passenger cab seats (2) to face in to the coach.



2. Remove the Dinette cushions and fold out the Driver Side dinette base (3).

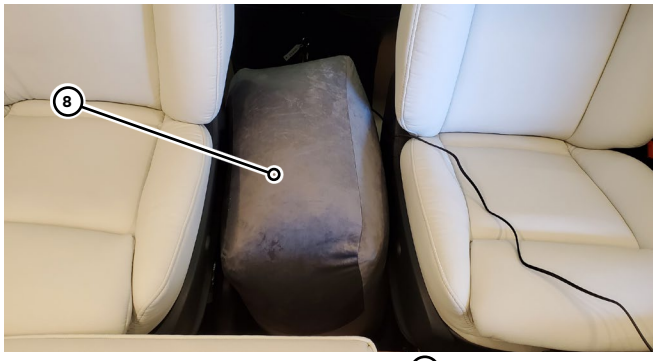


3. Place the cushion removed in step 1 as pictured. **NOTE:** Some of the cushions will not be used and can be set aside.

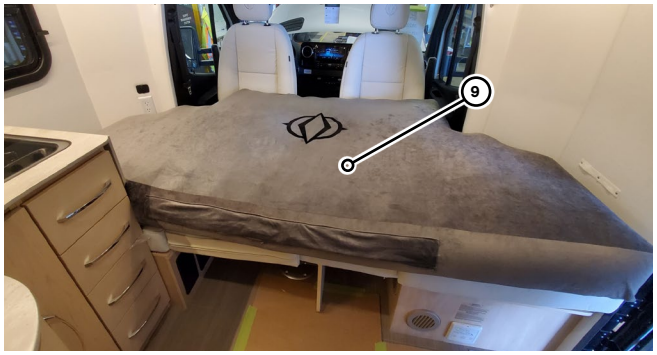


INFLATING THE AIR MATTRESS

1. Remove the air mattress and pump from the storage back
2. Inflate the small rectangular air mattress (8) with the pump and place between the driver and passenger seat.



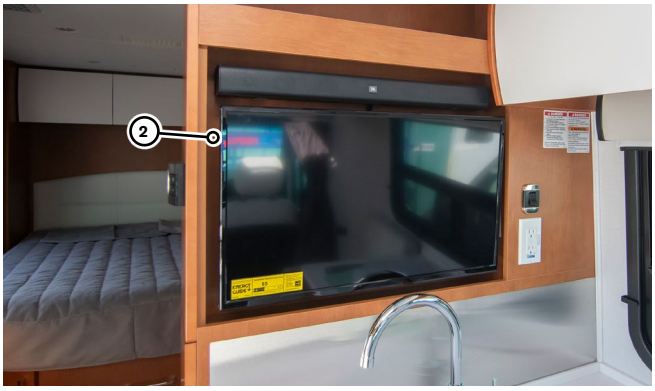
3. Inflate the large air mattress (9) and place on the base.



TV LOCATION

The Unity TB is equipped with 2 TVs. The first is located bedroom area ①. The second TV is located in the galley area ②

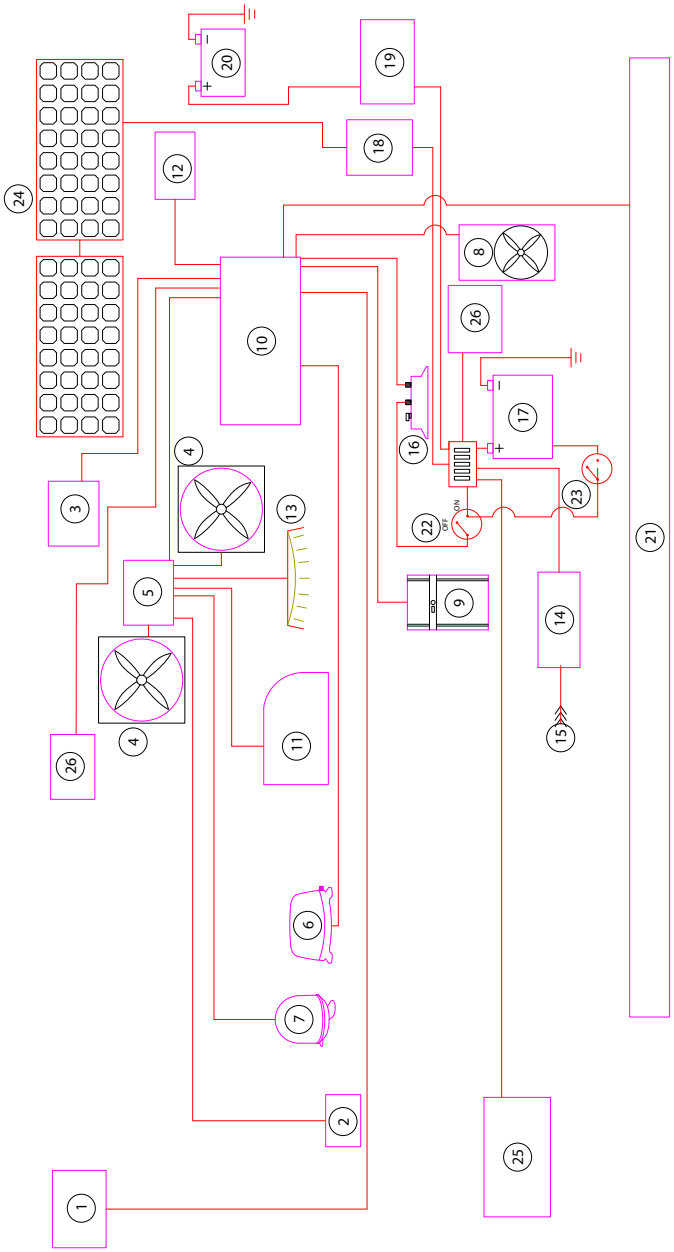




3. SCHEMATICS

ELECTRICAL

12 VOLT ELECTRICAL REFERENCE



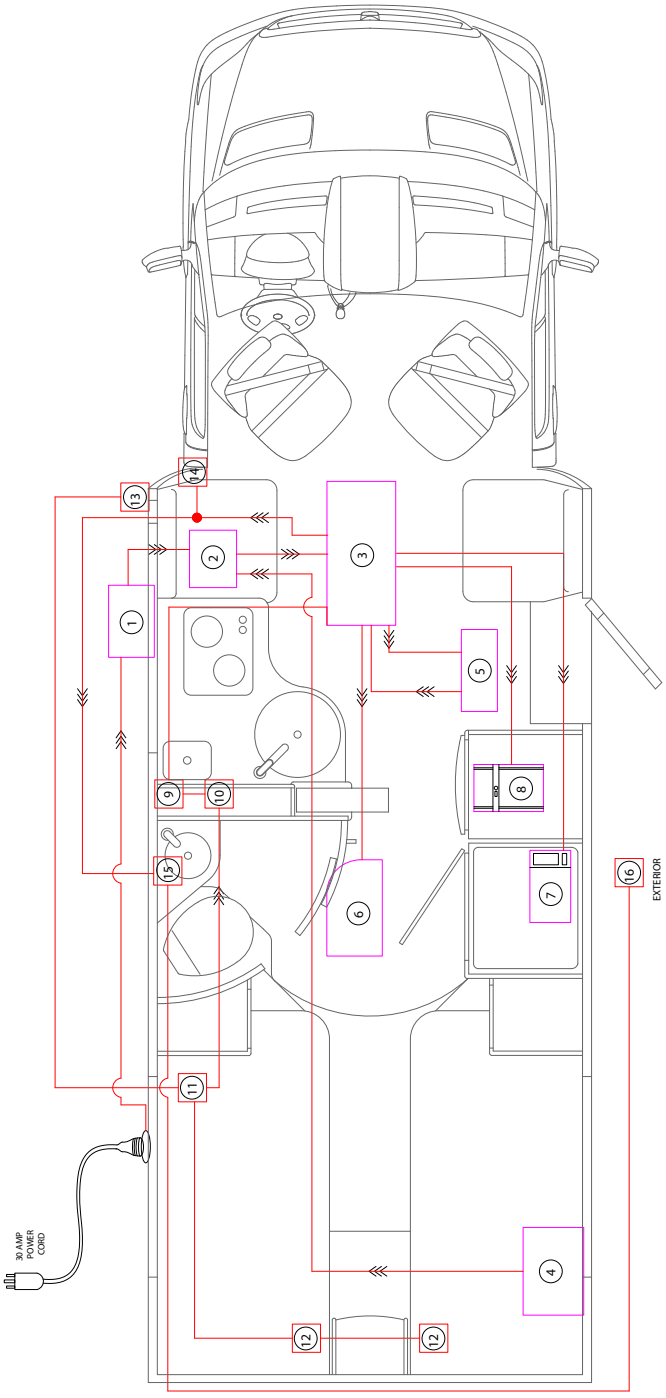
U24 TB 12V ELECTRICAL WIRING SCHEMATIC

PLEASE REFER TO FUSE PANEL LABELS FOR EXACT LAYOUT

*BATTERY HEAT SWITCH ONLY AVAILABLE WITH LITHIUM BATTERIES
**LVD ONLY REQUIRED WITH AGM BATTERIES

① Macerator Pump (Optional)
② Water Pump
③ Water Heater
④ Power Roof Vent (Washroom/ Hallway)
⑤ Multiplex System
⑥ Winegard Connect 2.0
⑦ Satellite Dish (Optional)
⑧ Furnace
⑨ Fridge
⑩ DC Fuse Panel
⑪ Air Conditioner
⑫ USB Chargers
⑬ Light Circuits
⑭ Inverter
⑮ 120V AC Power Input
⑯ AGM Low Voltage Disconnect
⑰ RV Batteries
⑱ Solar Charge Controller
⑲ DC/DC Charger
⑳ Chassis Battery
㉑ Awning
㉒ Battery Disconnect
㉓ Lithium Battery Heat Enable Switch (Optional)
㉔ Solar Panels (200W or 400W Optional)
㉕ Generator (Optional)
㉖ Mecerator Toilet
㉗ Leveling Jacks (Optional)

120 VOLT ELECTRICAL REFERENCE

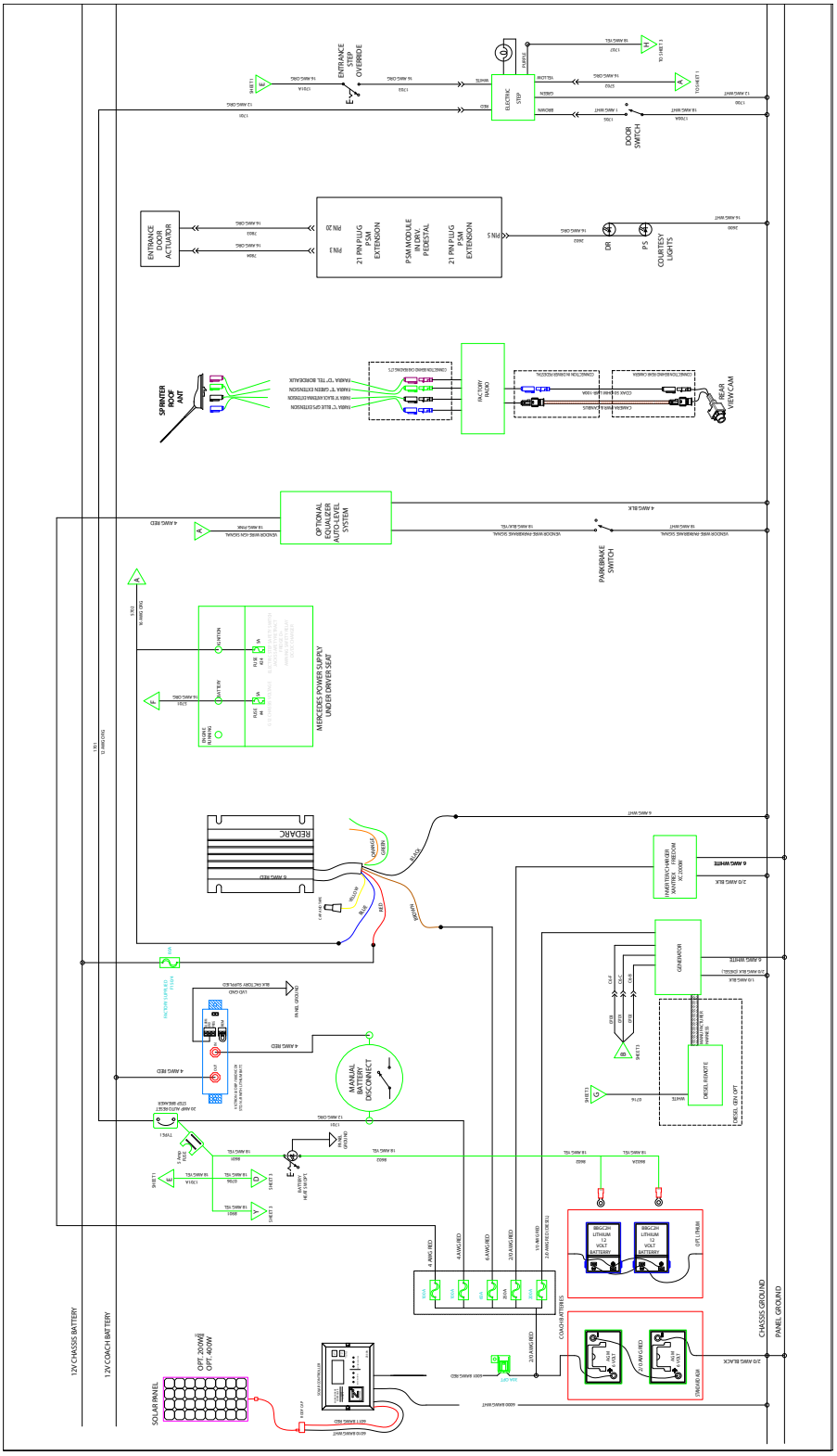


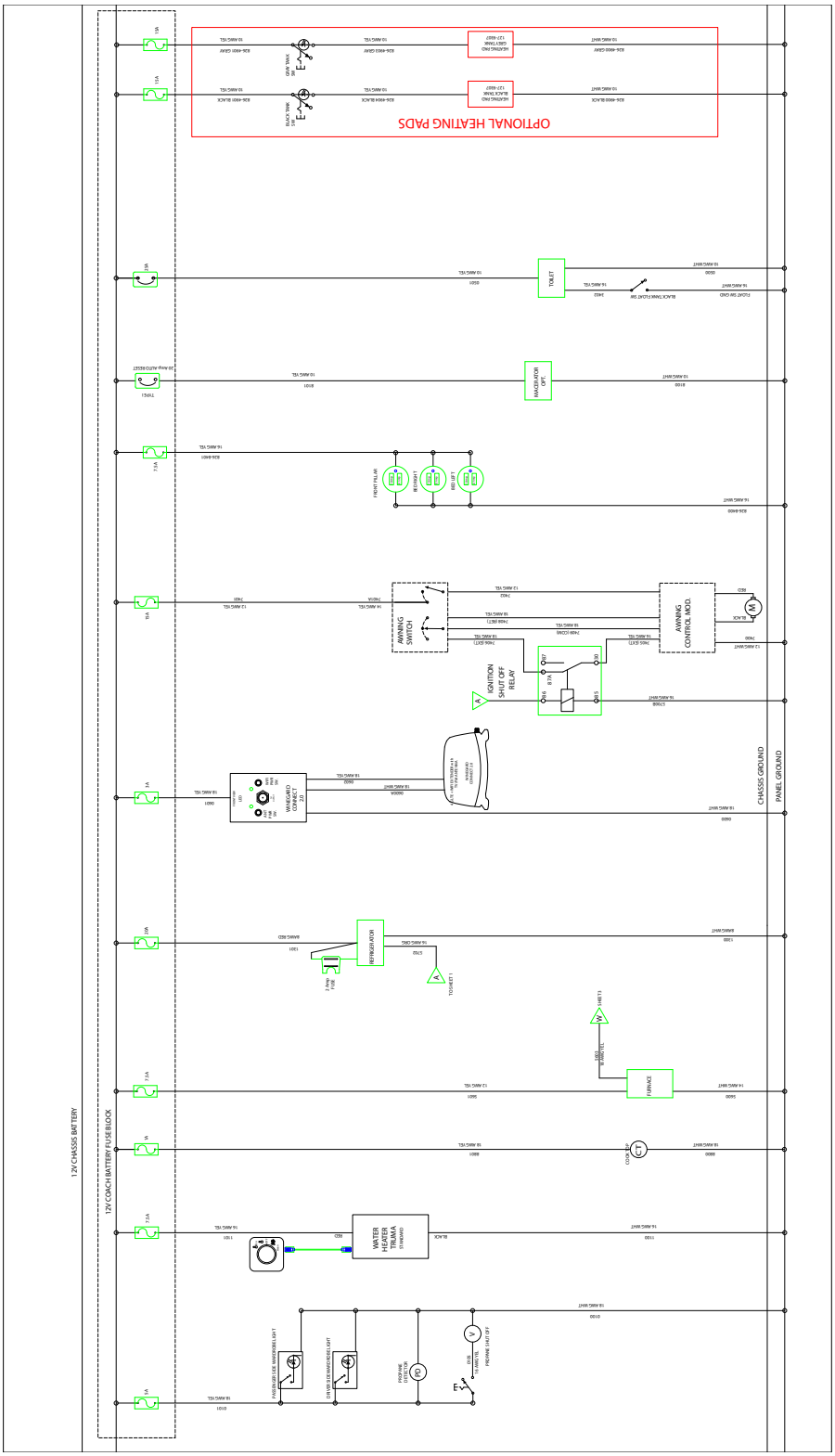
U24TB 30 AMP 120V ELECTRICAL WIRING SCHEMATIC

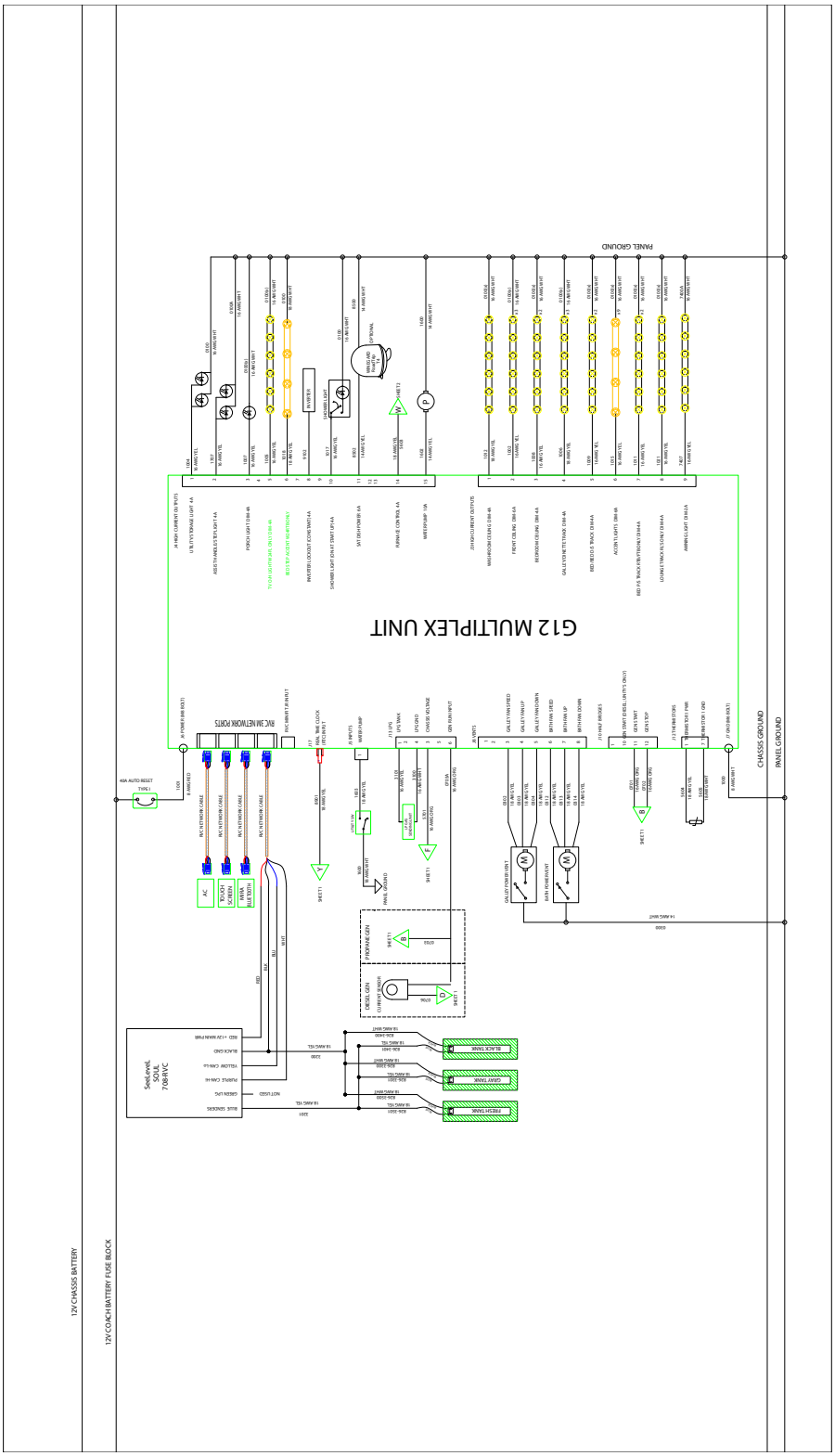
PLEASE REFER TO BREAKER PANEL LABELS FOR EXACT LAYOUT

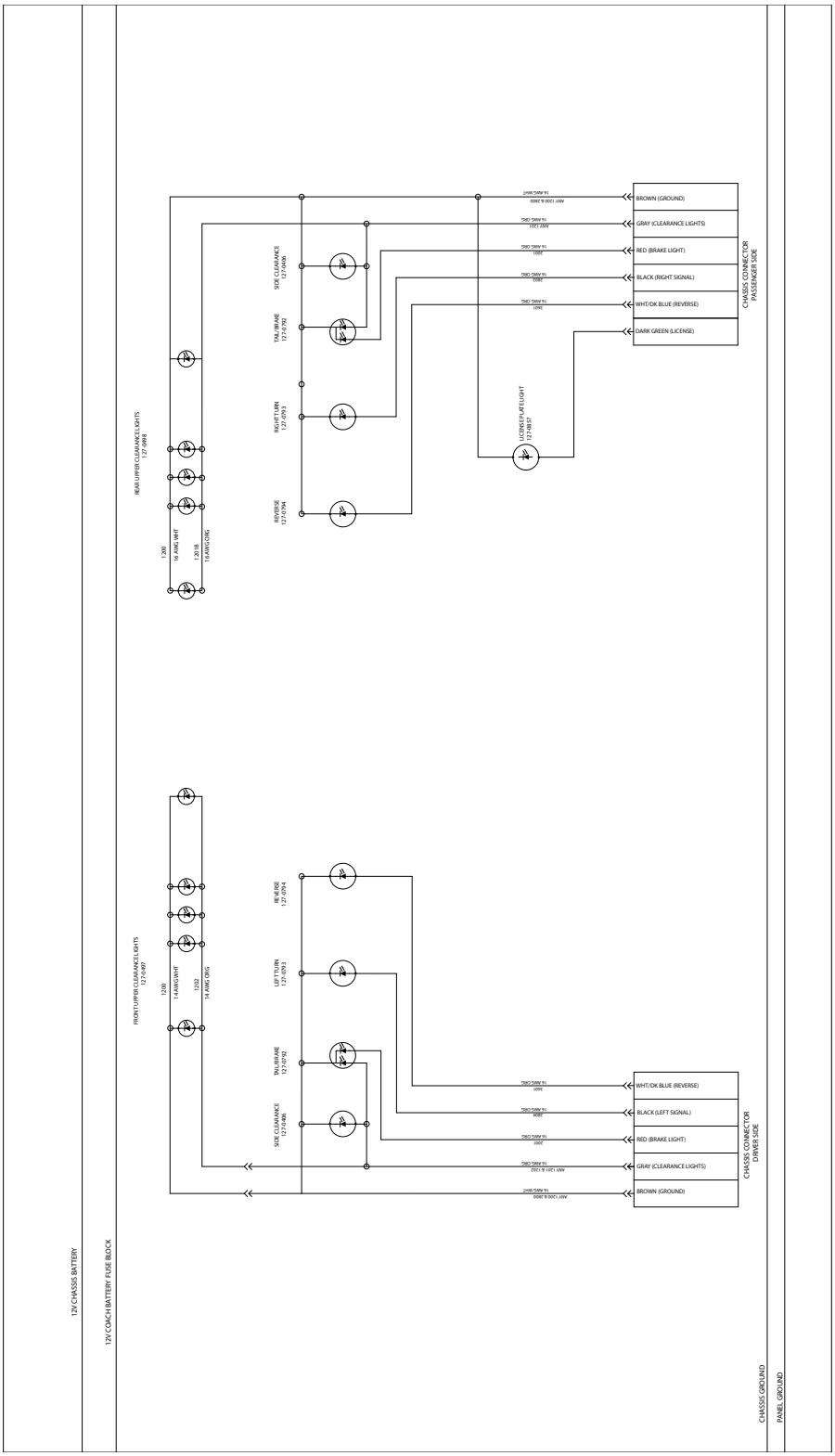
① Surge Protector
② Transfer Switch
③ AC Distribution Panel
④ Generator
⑤ Inverter/Charger
⑥ Air Conditioner
⑦ Microwave
⑧ Fridge
⑨ Galley Receptacle
⑩ Front TV
⑪ Bedroom TV
⑫ Bedroom Receptacle
⑬ Entertainment Receptacles
⑭ Dinette Driver Side Receptacle
⑮ Washroom Receptacle
⑯ Exterior Receptacle

ELECTRICAL SCHEMATIC

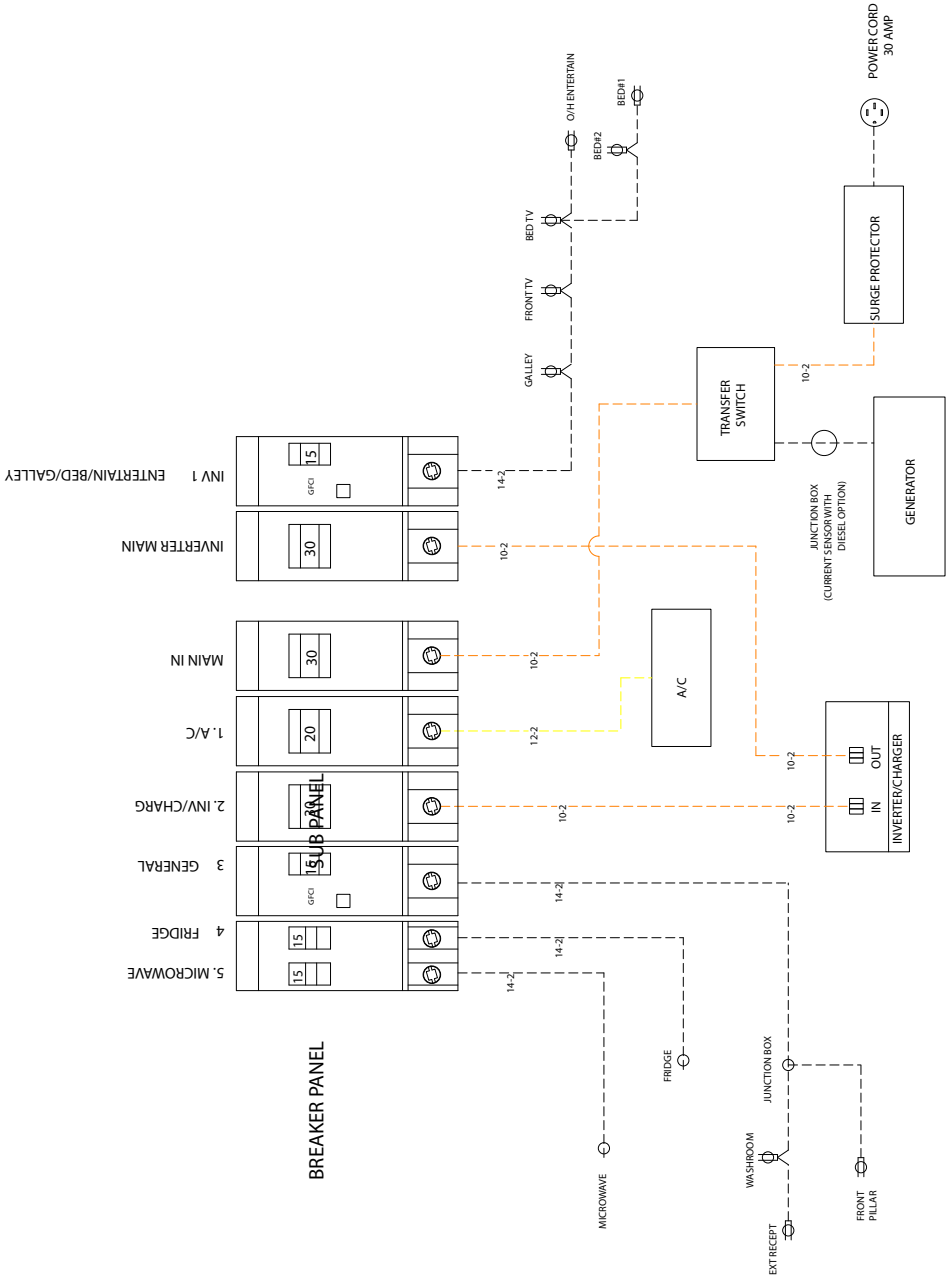



OPTIONAL HEATING PADS
TOILET
AWNING SWITCH
AWNING CONTROL MOD.
IGNITION SHUT OFF RELAY
CHASSIS GROUND
PANEL GROUND
12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
WATER HEATER TRUMA
FURNACE

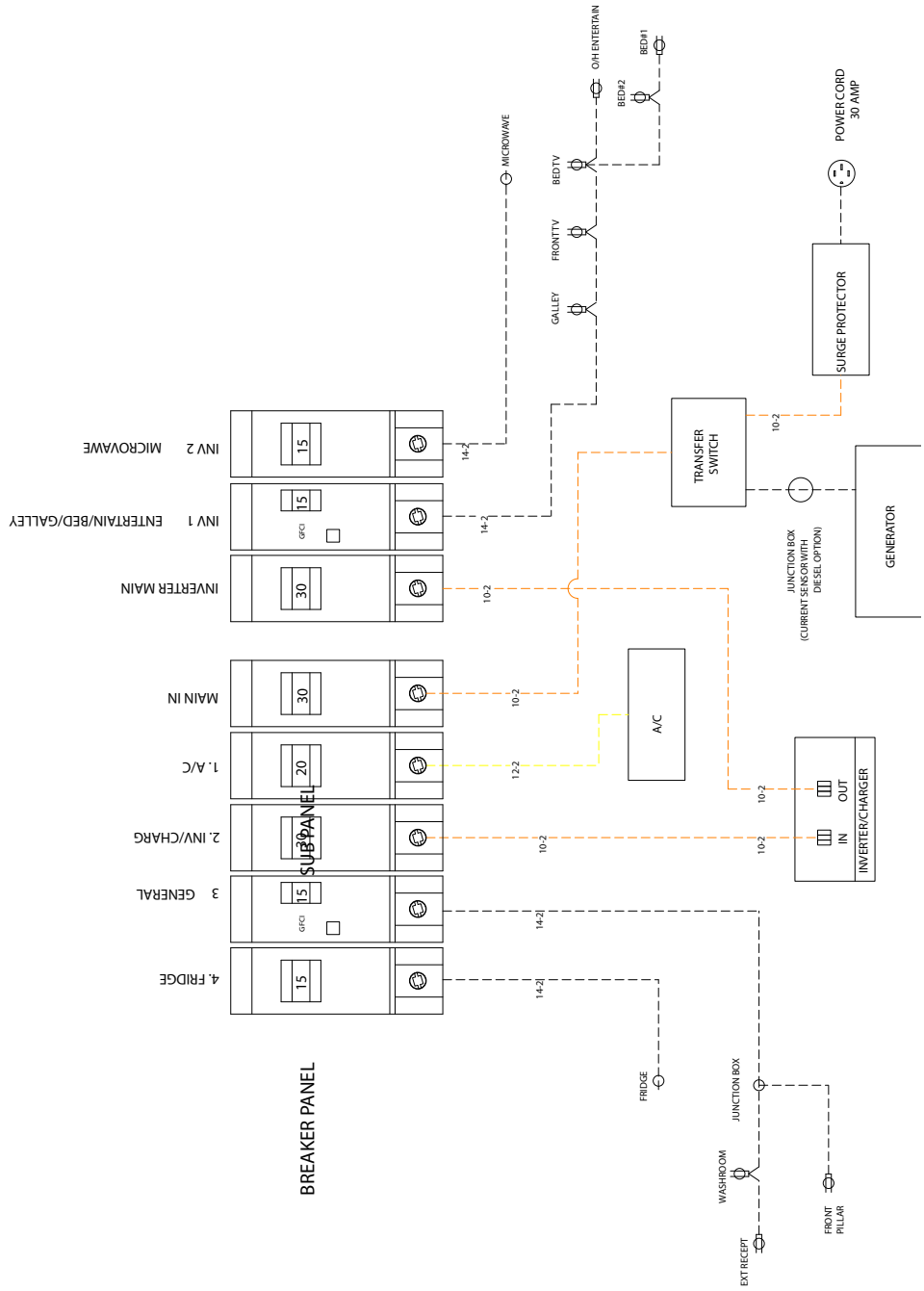

12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
G12 MULTIPLEX UNIT
PANEL GROUND
CHASSIS GROUND
PANEL GROUND
Seelevel SOUL 708-RVC


12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
REAR UPPER CLEARANCE LIGHTS
127-0498
1200
16 AWG WHT
1201B
16 AWG ORG
SIDE CLEARANCE
127-0406
TAIL/BRAKE
127-0792
RIGHT TURN
127-0793
REVERSE
127-0794
LICENSE PLATE LIGHT
127-0857
BROWN (GROUND)
GRAY (CLEARANCE LIGHTS)
RED (BRAKE LIGHT)
BLACK (RIGHT SIGNAL)
WHT/DK BLUE (REVERSE)
DARK GREEN (LICENSE)
CHASSIS CONNECTOR
PASSENGER SIDE
FRONT UPPER CLEARANCE LIGHTS
127-0497
1200
14 AWG WHT
1202
14 AWG ORG
REVERSE
127-0794
LEFT TURN
127-0793
TAIL/BRAKE
127-0792
SIDE CLEARANCE
127-0406
WHT/DK BLUE (REVERSE)
BLACK (LEFT SIGNAL)
RED (BRAKE LIGHT)
GRAY (CLEARANCE LIGHTS)
BROWN (GROUND)
CHASSIS CONNECTOR
DRIVER SIDE
CHASSIS GROUND
PANEL GROUND

STANDARD AGM BATTERY LAYOUT

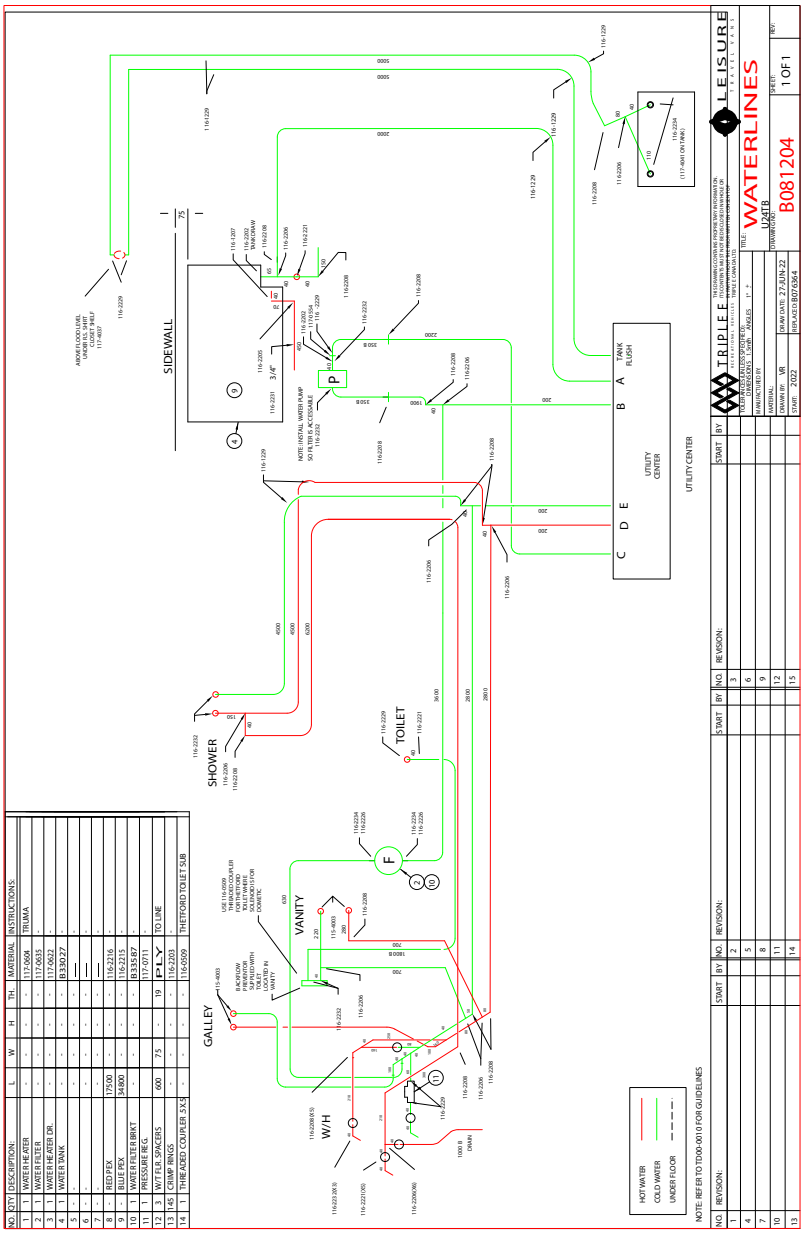


LITHIUM BATTERY OPTION LAYOUT

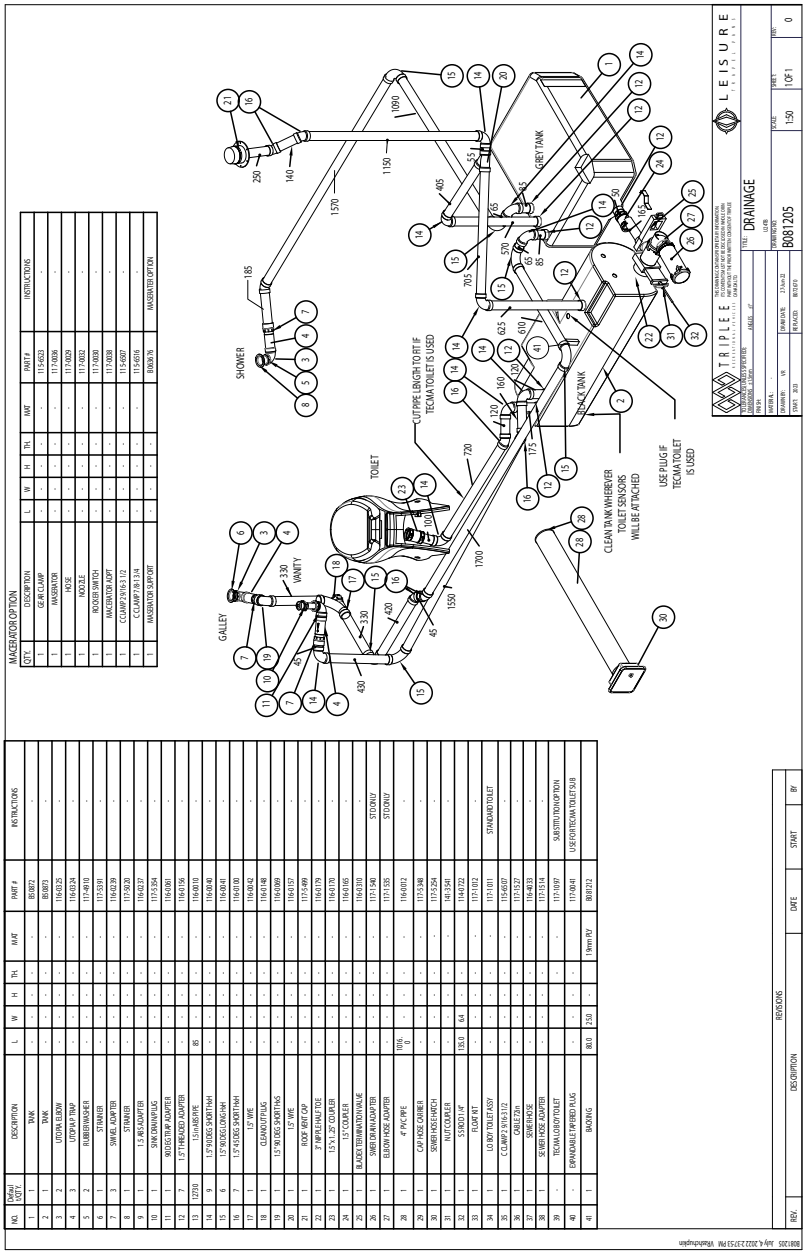


PLUMBING

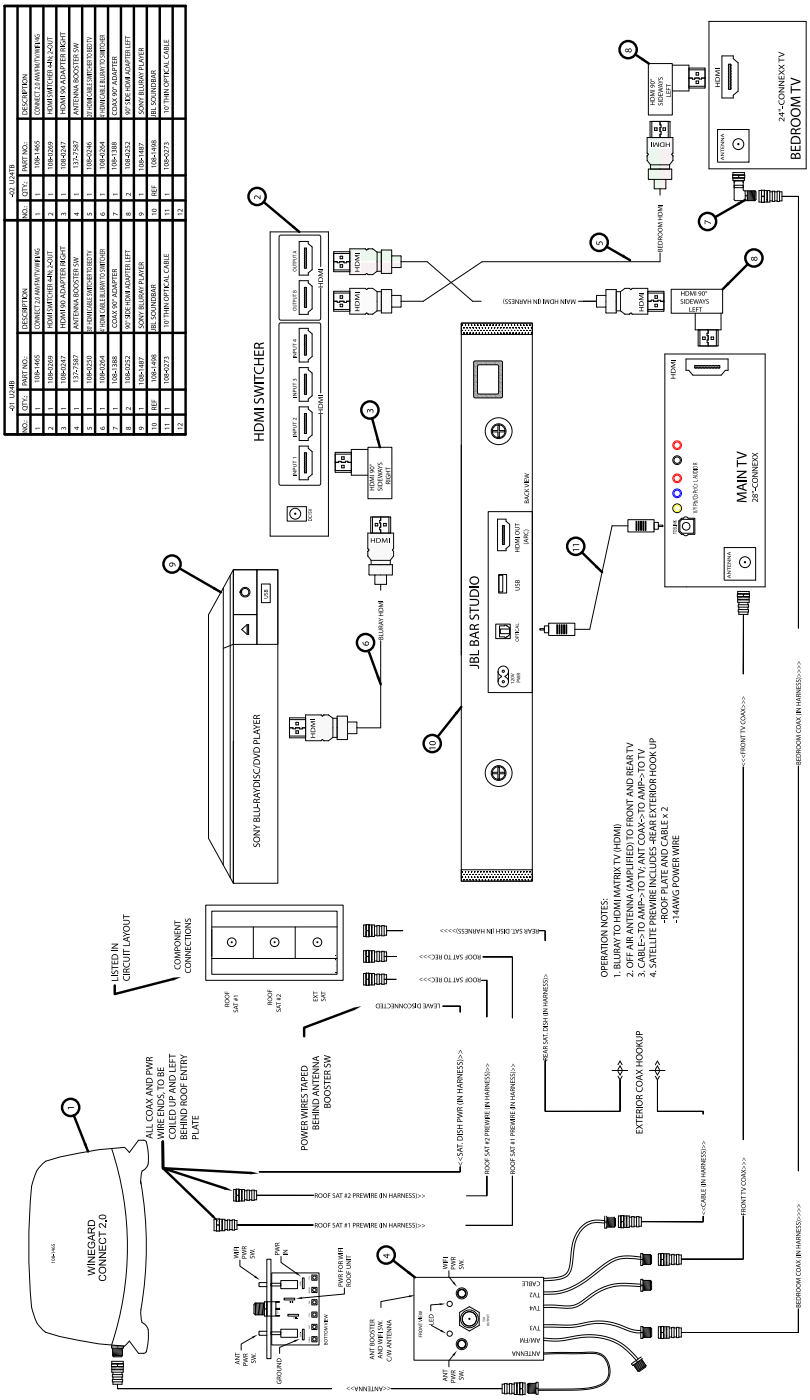
WATER LINES SCHEMATIC



DRAIN LINE SCHEMATIC



ENTERTAINMENT

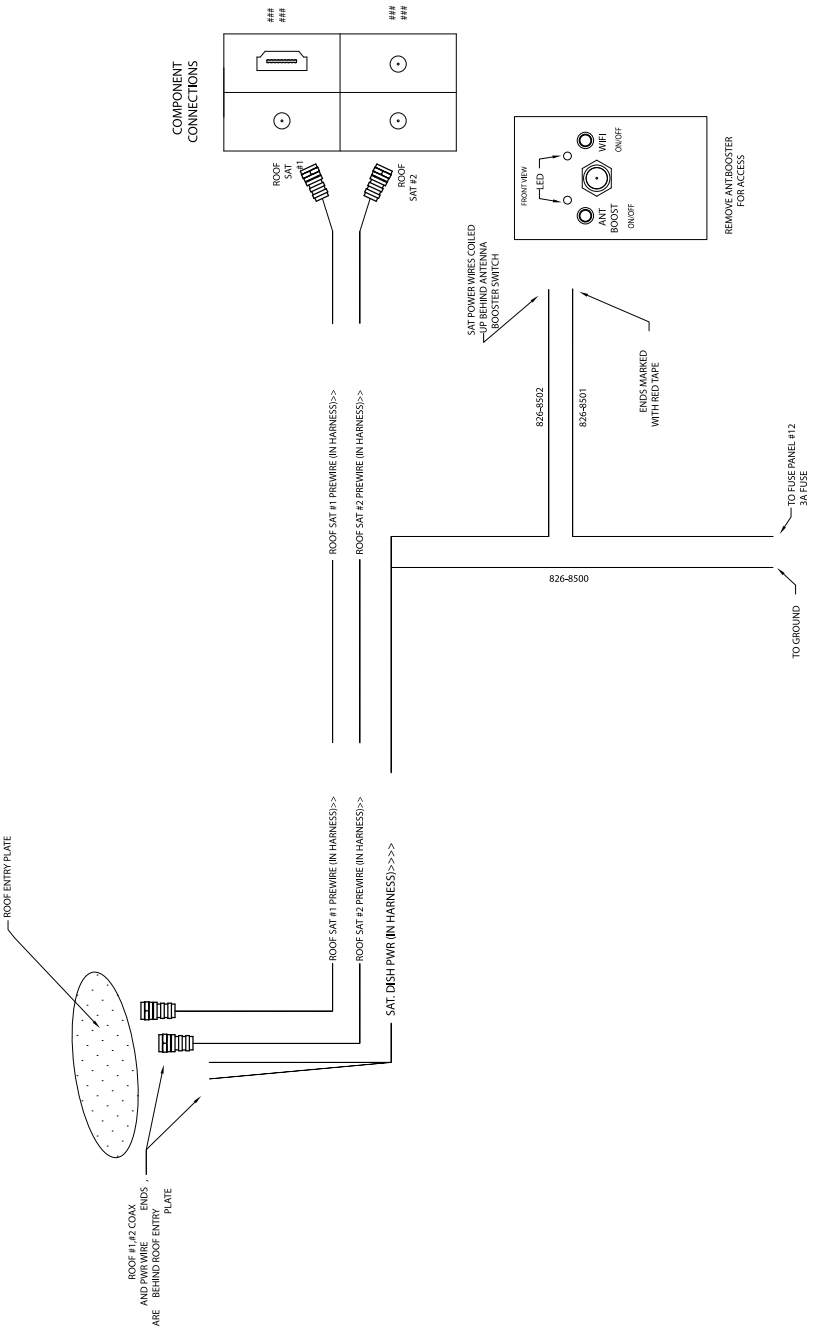


-01 LIMITS			
NO.	QTY.	PART NO.	DESCRIPTION
1	1	108-1465	CONNECT 2.0 MATRIX TV/WIRING
2	1	108-0269	HDMI SWITCHER 4-IN, 2-OUT
3	1	108-0247	HDMI 90 ADAPTER RIGHT
4	1	137-7587	ANTENNA BOOSTER SW
5	1	108-0250	BEHIND CABLE WITCHER TO BEDTV
6	1	108-0264	HDMI CABLE BLURAY TO SWITCHER
7	1	108-1388	COAX 90° ADAPTER
8	2	108-0252	90° SIDE HDMI ADAPTER LEFT
9	1	108-1487	SONY BLURAY PLAYER
10	REF	108-1498	JBL SOUNDBAR
11	1	108-0273	10 THIN OPTICAL CABLE
12	1		

-02 LIMITS			
NO.	QTY.	PART NO.	DESCRIPTION
1	1	108-1465	CONNECT 2.0 MATRIX TV/WIRING
2	1	108-0269	HDMI SWITCHER 4-IN, 2-OUT
3	1	108-0247	HDMI 90 ADAPTER RIGHT
4	1	137-7587	ANTENNA BOOSTER SW
5	1	108-0246	BEHIND CABLE WITCHER TO BEDTV
6	1	108-0264	HDMI CABLE BLURAY TO SWITCHER
7	1	108-1388	COAX 90° ADAPTER
8	2	108-0252	90° SIDE HDMI ADAPTER LEFT
9	1	108-1487	SONY BLURAY PLAYER
10	REF	108-1498	JBL SOUNDBAR
11	1	108-0273	10 THIN OPTICAL CABLE
12	1		

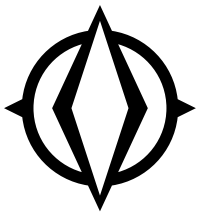
SATELLITE PRE-WIRE

If your coach did not come with the optional satellite dish, it will be pre-wired for installation at a later date if you so choose. Location of the prewire will vary by floorplan.



NOTES

NOTES



LEISURE

TRAVEL VANS

LTV Roadside Assistance

4287 Beltline Road, Box #198
Addison, TX 75001

for EMERGENCY ROADSIDE CALL
1•877•219•3831





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