# UNITY | MURPHY BED

2024 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.

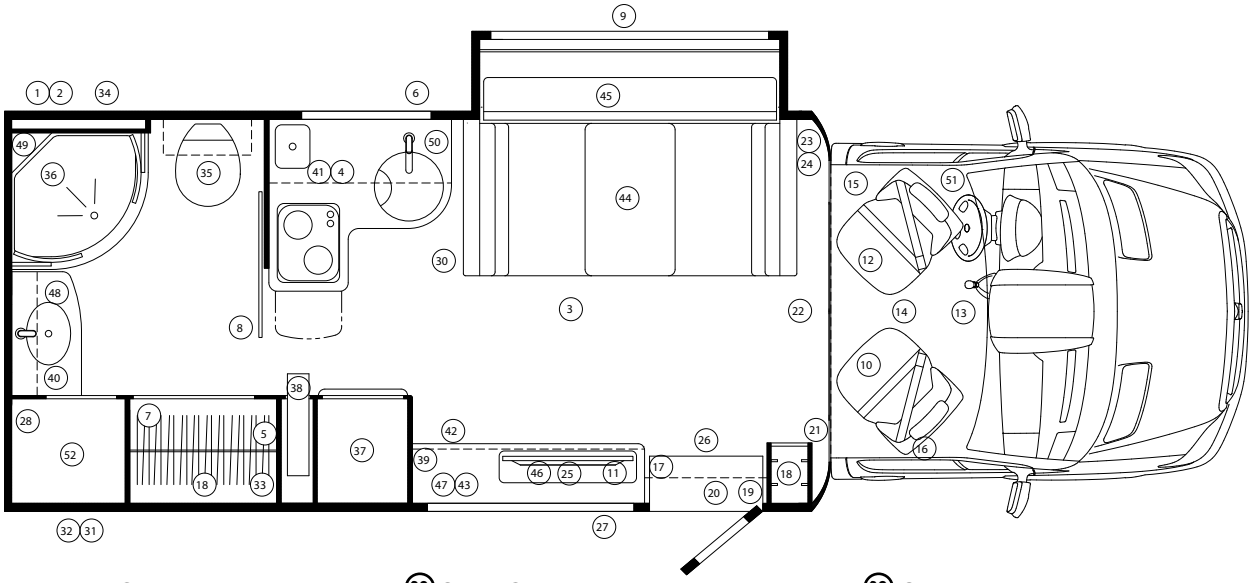
You can reach the NHTSA by calling the Auto Safety Hot-line at 1-800-424-9393 (202-366-0123 in the Washington, DC, area) or by writing to NHTSA, US Department of Transportation, Washington, DC 20590. The hot-line also will provide you with additional information on motor vehicle safety.

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

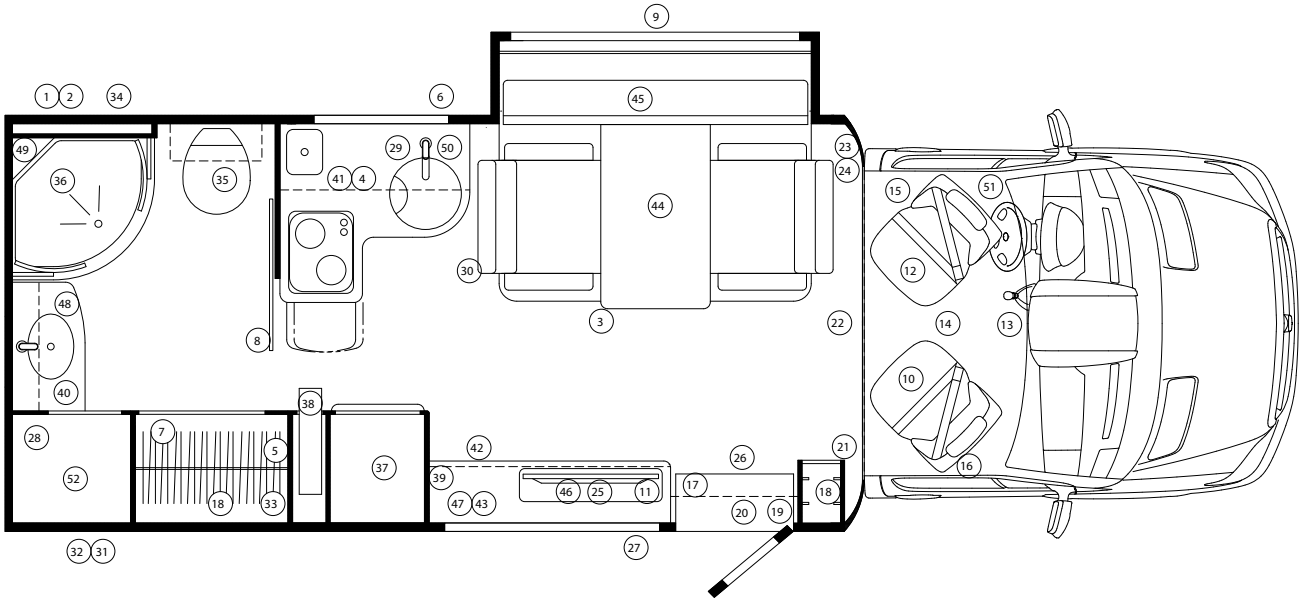
## FLOOR PLAN

### LEISURE LOUNGE



① Macerator Option Under Floor
② Utility Center Under Floor
③ Water Tank/Drain Under Floor
④ Water Heater Under Galley
⑤ Surge Protector on Wardrobe Floor
⑥ Shore Power Plug
⑦ Generator Transfer Switch Behind Wardrobe Drawers
⑧ Propane Tank Under Floor
⑨ Sewer Hose Under Slide Out
⑩ DC/DC Charger under Seat
⑪ Step Switch, battery heat, G12 RTC shared 5A fuse under TV
⑫ Chassis Batteries Under Captain Seat
⑬ 12 Volt Plug and USB Plug
⑭ Swivel Seats
⑮ Battery Power and Ignition Fuses under Driver Seat
⑯ Awning Switch on Passenger Seat Pedestal
⑰ Battery Disconnect Switch on Cabinet Wall
⑱ Wardrobe
⑲ Fire Extinguisher
⑳ Solar Controller, Inverter Remote, and Water Heater Dial above Entrance Door
㉑ MultiPlex Display
㉒ Smoke Alarm on Ceiling
㉓ Propane/CMD Alarm
㉔ USB Plug
㉕ TV
㉖ Coach Batteries In Compartment Under Floor (Solar panel 30A fuse behind batteries)
㉗ Inverter In Compartment Under Floor
㉘ MultiPlex G12 Panel Board behind cover
㉙ Recliner Fuse Under Galley (Leisure Lounge System Plus Option)
㉚ USB Plug
㉛ Generator Option Under Floor
㉜ Exterior BBQ Connection Under Floor
㉝ Furnace Under Wardrobe
㉞ Exterior Storage
㉟ Toilet
㊱ Shower
㊲ Fridge (2A fuse behind Exterior vent) Microwave Above
㊳ Pull Out Pantry
㊴ Thermostat Sensor on Fridge Wall
㊵ Water Pump Under Vanity
㊶ Galley
㊷ Breaker Panel
㊸ Satellite Option Prewire and Component Connection Plate Under cabinet
㊹ Dinette
㊺ Murphy Bed
㊻ Slide Module
㊼ TV Antenna Booster/WIFI Switch in Overhead cabinet
㊽ Water Filter under vanity
㊾ Tank Flush Non Return Valve Behind Faucet Access
㊿ Subwoofer
(51) Chassis Battery Under Cab Floor /100Amp Fuse Under Seat
(52) Interior/Exterior Storage

## LEISURE LOUNGE PLUS



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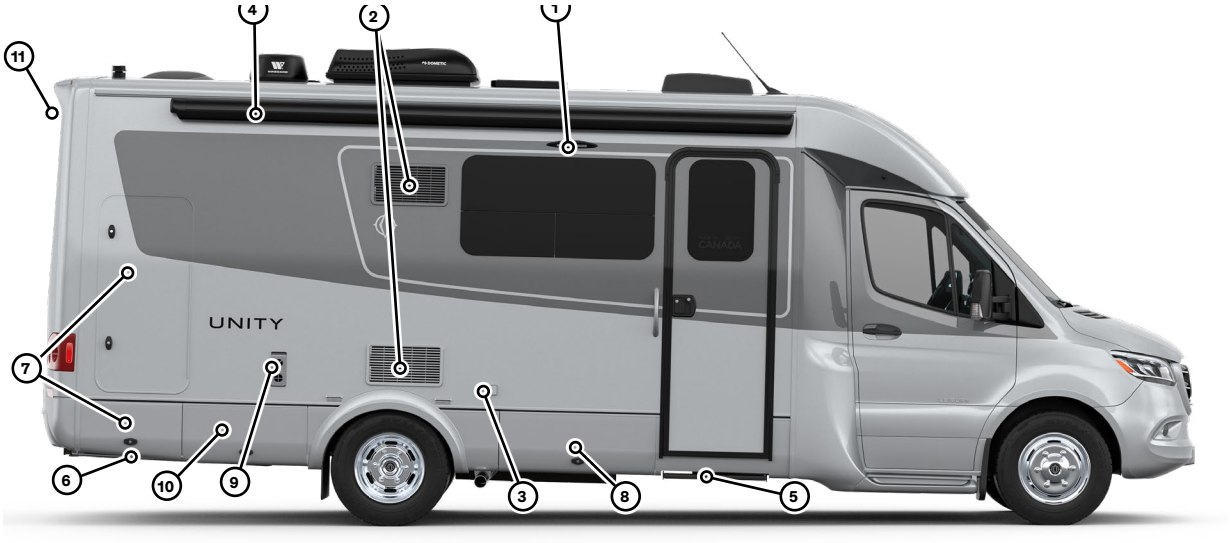
(51) Chassis Battery Under Cab Floor /100Amp Fuse Under Seat
(52) Interior/Exterior Storage

# EXTERIOR EQUIPMENT LOCATION

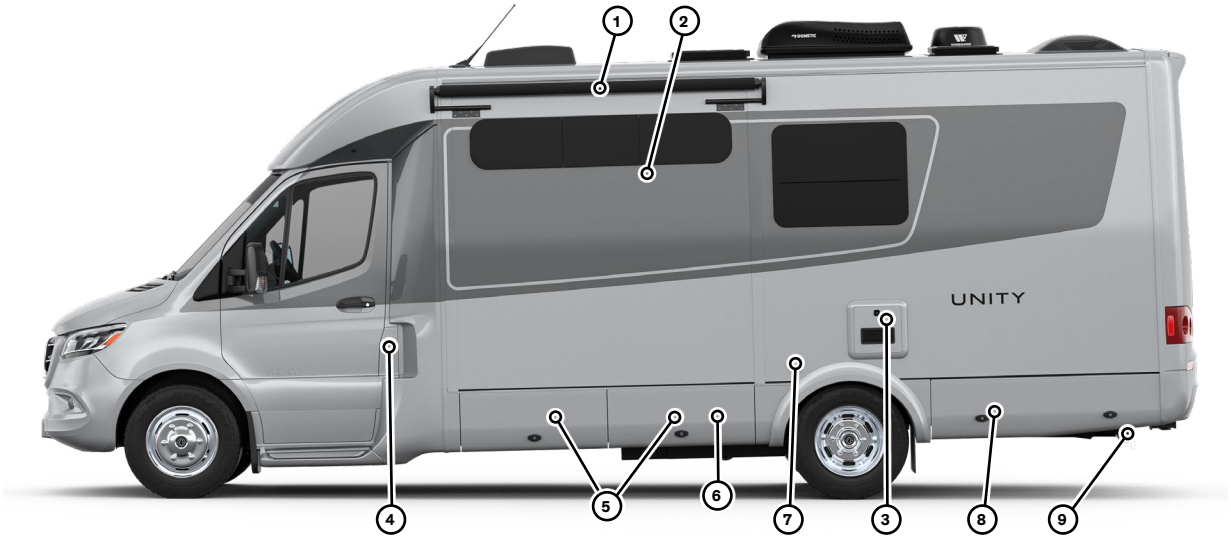
## PASSENGER SIDE VIEW

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



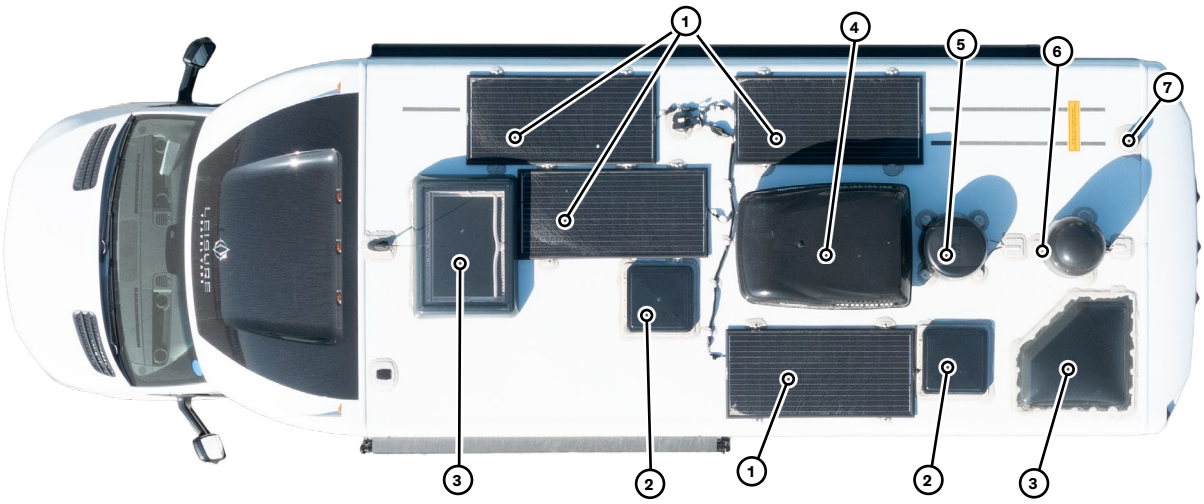

## DRIVER SIDE VIEW

1. Awning
2. Slide Out Room
3. Water Heater
4. Diesel Fill
5. Storage Compartment
6. Sewer Hose Hatch (Behind Doors)
7. Shore Power Connection
8. Utility Center
9. Sewer Termination



## TOP VIEW

1. Solar Panel (Optional)
2. Roof Vent
3. Sky Light
4. Air Conditioner
5. WiFi/TV Antenna
6. Satellite (Optional)
7. Stack Vent

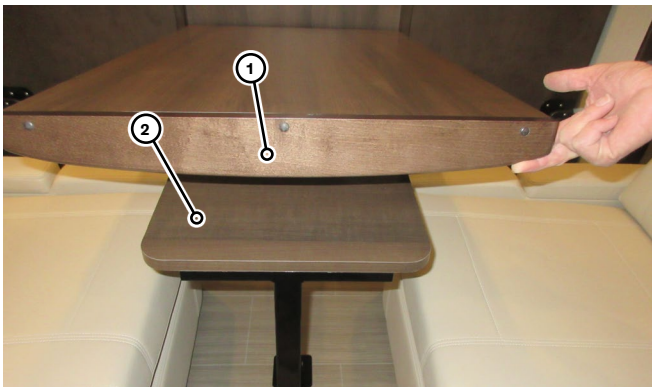


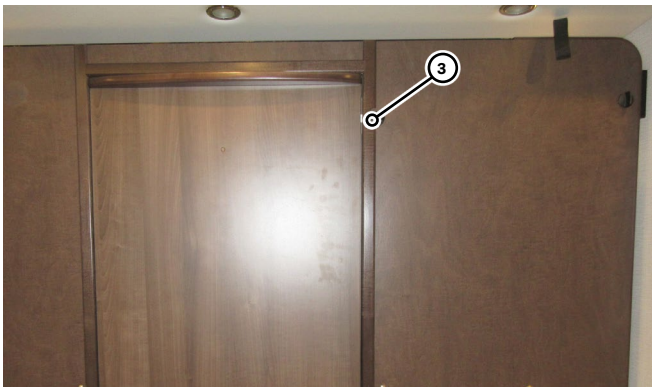
# BEDS AND SEATING

## LEISURE LOUNGE PLUS SYSTEM (OPTIONAL)

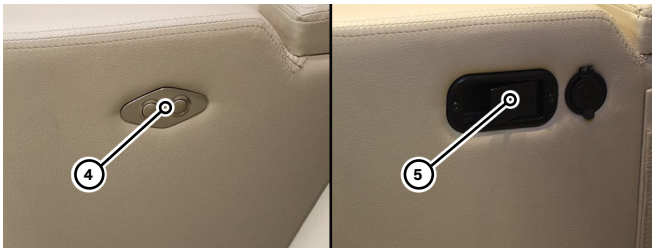
### LOWERING THE MURPHY BED

1. Refer to the “Slide Out Room” section in the “Motorhome Operation” section for details.
2. Raise the table ①, secure in upright position with latch ③ and fold support/small table ②.

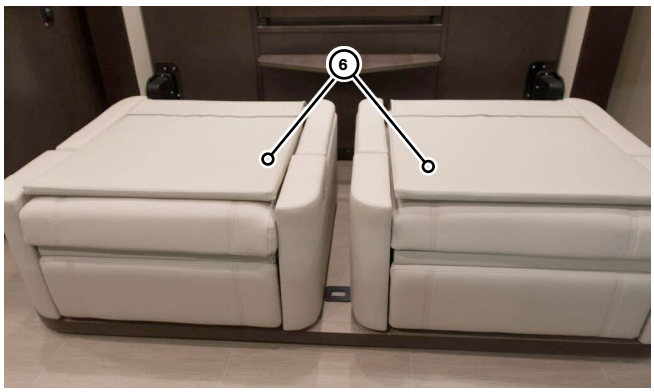



3. Ensure lounge chairs are in the fully upright position using recliner buttons ④ on the side of the chair.




4. Rotate the lounge chairs so they are facing away from bed by lifting and holding the lock button ⑤ while you swivel the seat. Release the lock button when the chair is slightly rotated to ensure the seat locks into the next position.
5. Remove the lounge chair seat back cushions and headrests and fold the seat backs forward until they lay flat ⑥.




6. Release the locks on both sides of the Murphy bed (rotate to unlock).
7. Slowly and carefully lower the Murphy bed. Ensure the Murphy bed locks into place once fully lowered by lifting slightly on the side of the bed. If bed is not locked, sit on corner of bed to apply additional downward pressure.
8. Lower step cover ⑦. Refer to the “Step Cover” section in the “Motorhome Operation” section for details.




**⚠ CAUTION**

**Lower the step cover when lounge chairs are in recliner mode ⑦ to prevent tripping accidents. Refer to the “Step Cover” section in the “Motorhome Operation” section of this manual for detailed instructions.**

### RAISING THE MURPHY BED

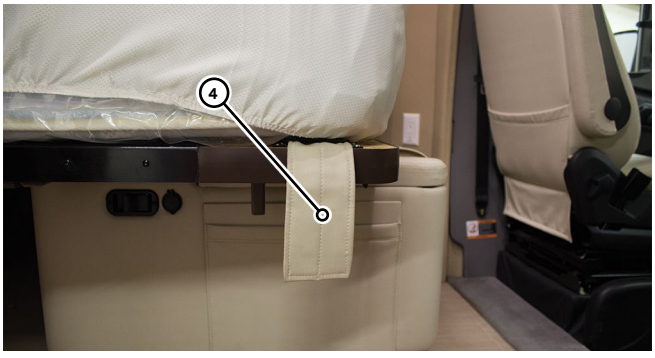
1. Pull the adjustable headboard/backrest ① toward you for desired comfort. To collapse headboard/backrest, pull it out all the way and it will release. Push it back toward the wall.




2. Ensure both Murphy bed reading lights ② are switched off by pressing the lens on/off button ③




3. Pull the release strap ④ and slowly raise the Murphy bed.




**⚠ CAUTION**

**Failure to pull the release strap will cause damage to the Murphy Bed**

4. Rotate the locks ⑤ on both sides of the Murphy bed to secure the bed in place.

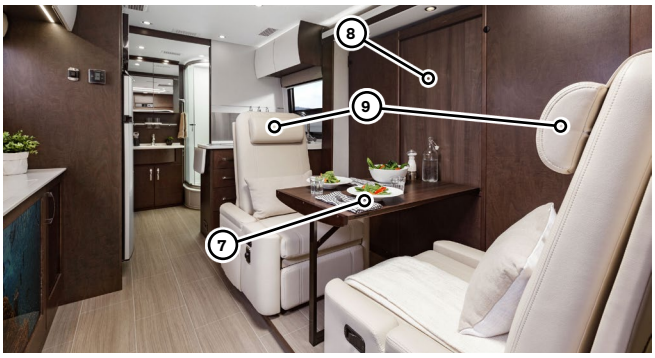


## LEISURE LOUNGE PLUS SEATING

Leisure lounge recliners can be configured as follows:

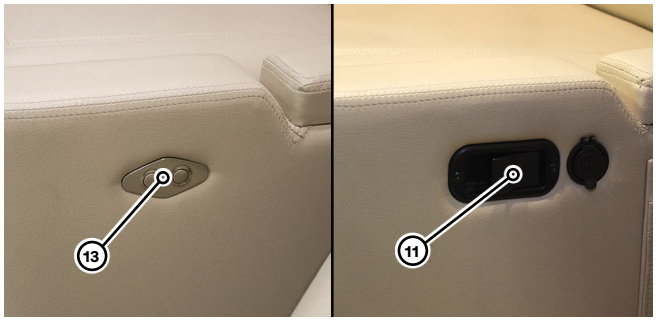
- Coffee Table ⑥: Use the small flip-up coffee table/ support for a dinette table or to support large table. Stow the table ⑦ in the wall of the bed ⑧ when not in use. Use the chairs ⑨ on each side of the tables as required.




- Armchair Seating ⑩: You can rotate the chairs by lifting and holding the lock button ⑪ on the side of the chair and releasing the lock when the chair is at the desired angle.




- Recliner Seating ⑫: Push the recliner buttons ⑬ on the side of the chair to recline the seats.




**NOTE:** The dinette table must be stowed when using the lounge chairs in armchair or recliner mode. Refer to the “Lowering the Murphy Bed” instructions in this section for details.

## LEISURE LOUNGE SEATING

1. Bench configuration ①.




2. Seats with table configuration ②.




3. Seats pulled out (Pull out seats before lowering Murphy bed) ③.

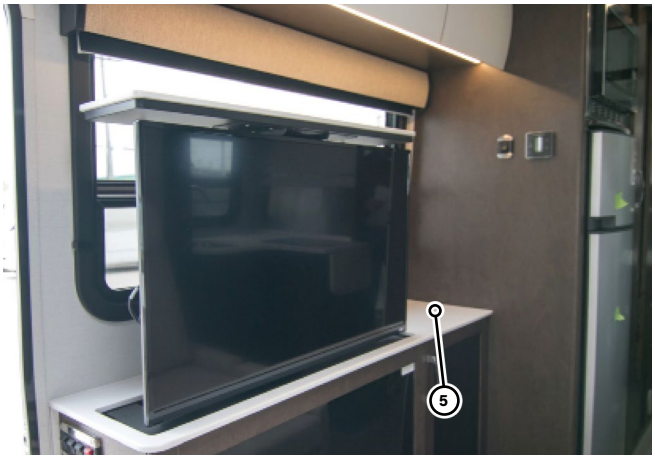


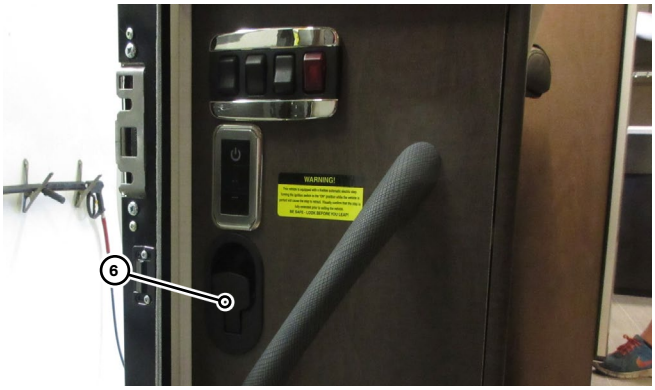

4. Bed down with the headboard tilted out as backrest ④.



## TV LOCATION

The TV is stowed in the coach passenger side countertop (5) and is accessed by pulling the release lever (6) located at the coach entrance.




**NOTE:** The TV will rise from the cabinet under spring tension. Ensure the top of the TV cabinet is clear before opening.

To store, push down on the center of the cover panel (10) to lower the TV into the cabinet until the TV assembly latches.

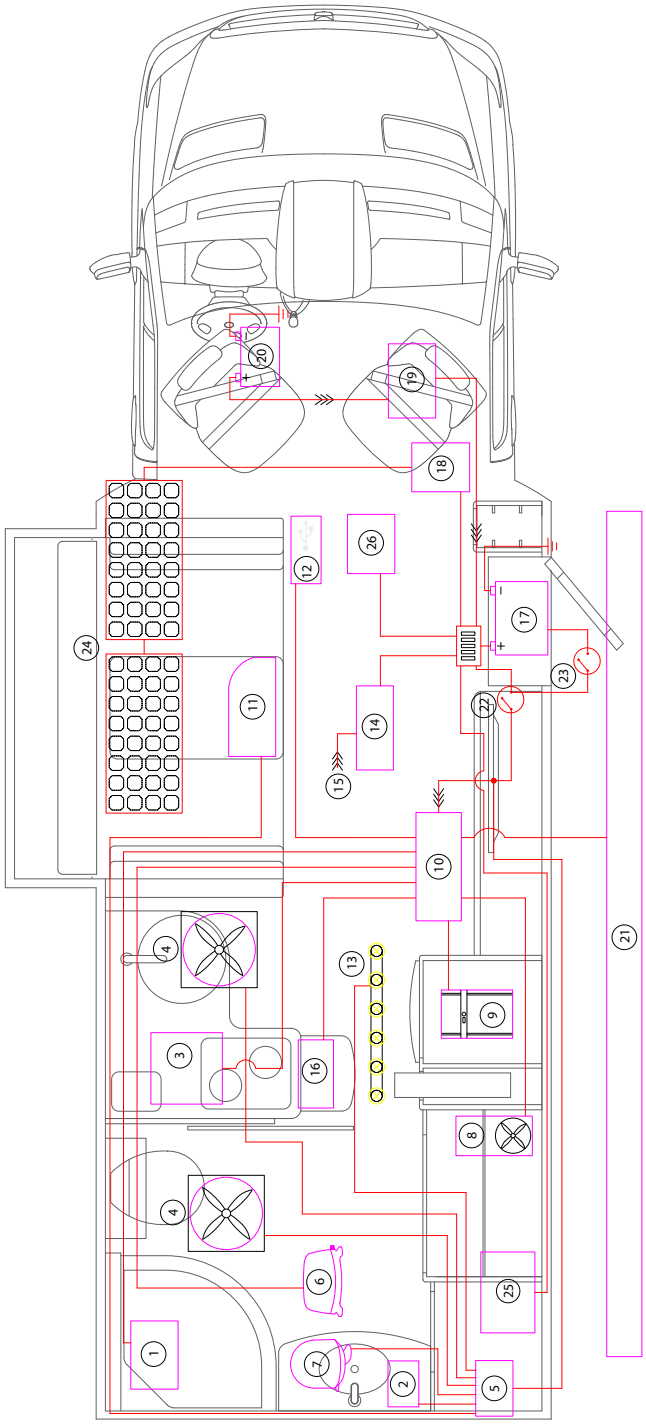
**NOTE:** Push down only in the center of the cover panel to prevent damaging the panel.

**NOTE:** When traveling, ensure the TV is latched in the stored position.

# 3. SCHEMATICS

## ELECTRICAL

### 12 VOLT ELECTRICAL REFERENCE



U24MB 12V ELECTRICAL WIRING SCHEMATIC
PLEASE REFER TO FUSE PANEL LABELS FOR EXACT LAYOUT

① Macerator Pump (Optional)
② Water Pump
③ Water Heater
④ Power Roof Vent (Washroom/Galley)
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 Slide Module
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/400W Optional)
㉕ Generator (Optional)
㉖ Leveling Jacks (Optional)

# 120 VOLT ELECTRICAL REFERENCE

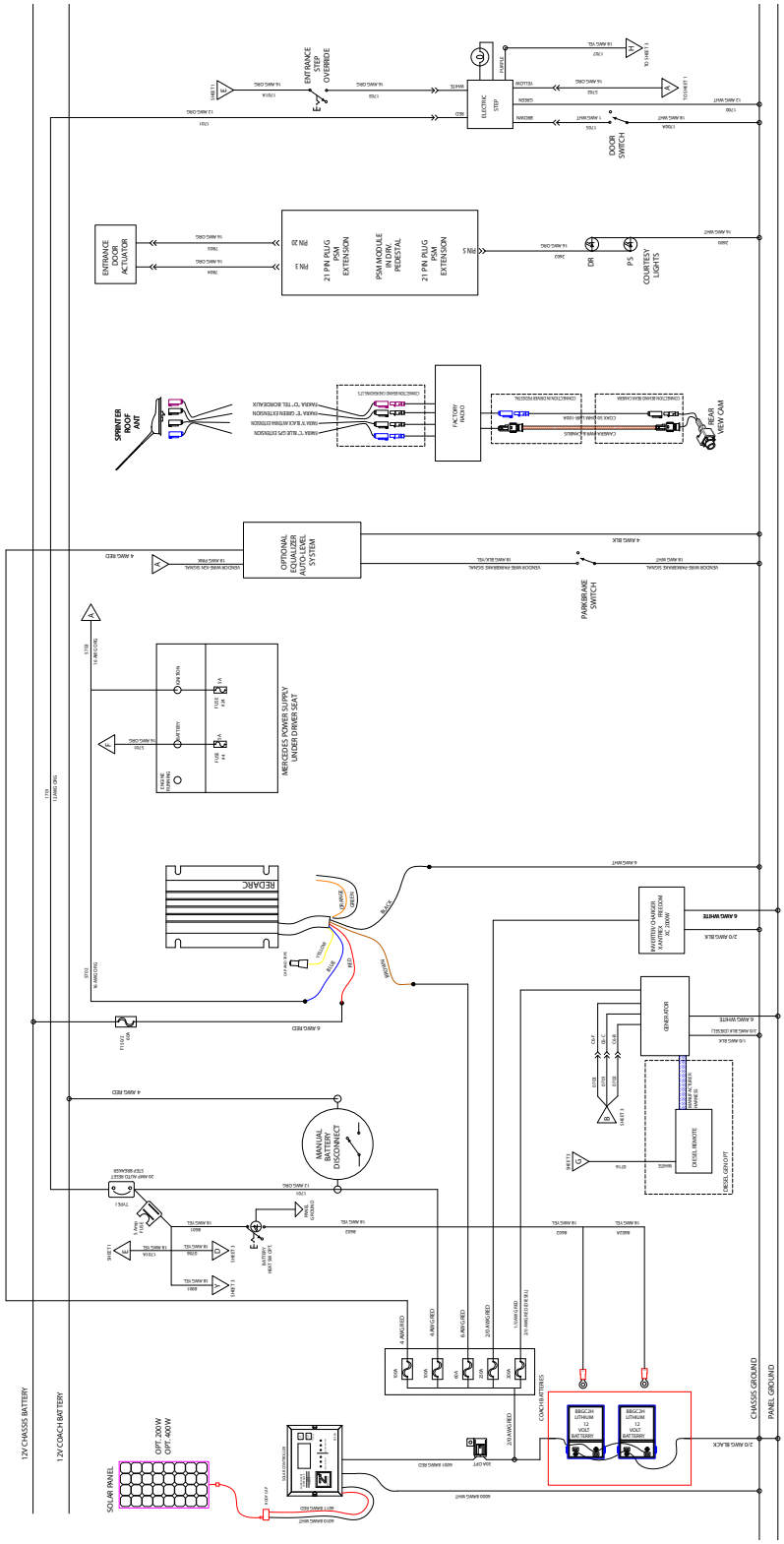


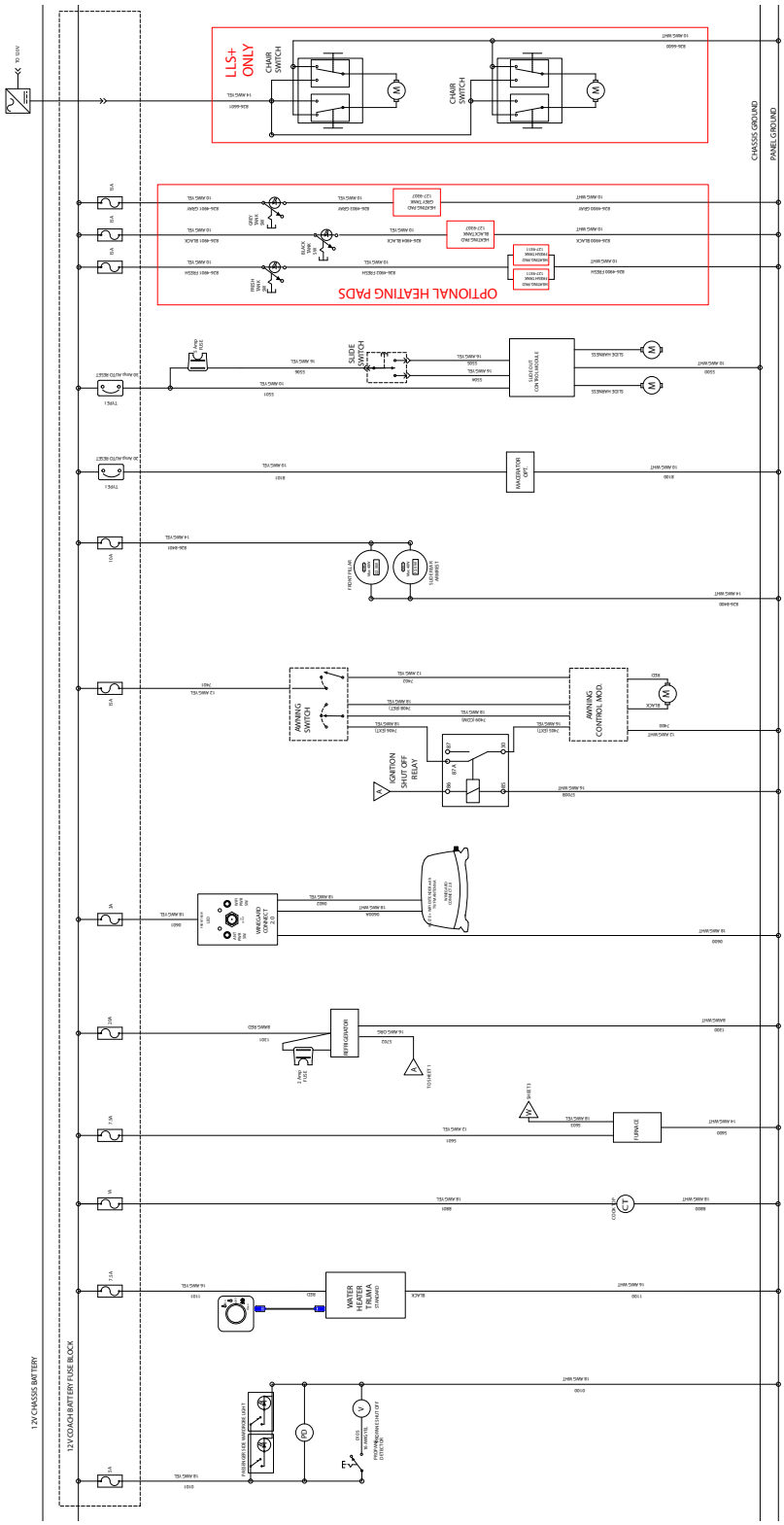

## U24MB 30 AMP 120V ELECTRICAL WIRING SCHEMATIC

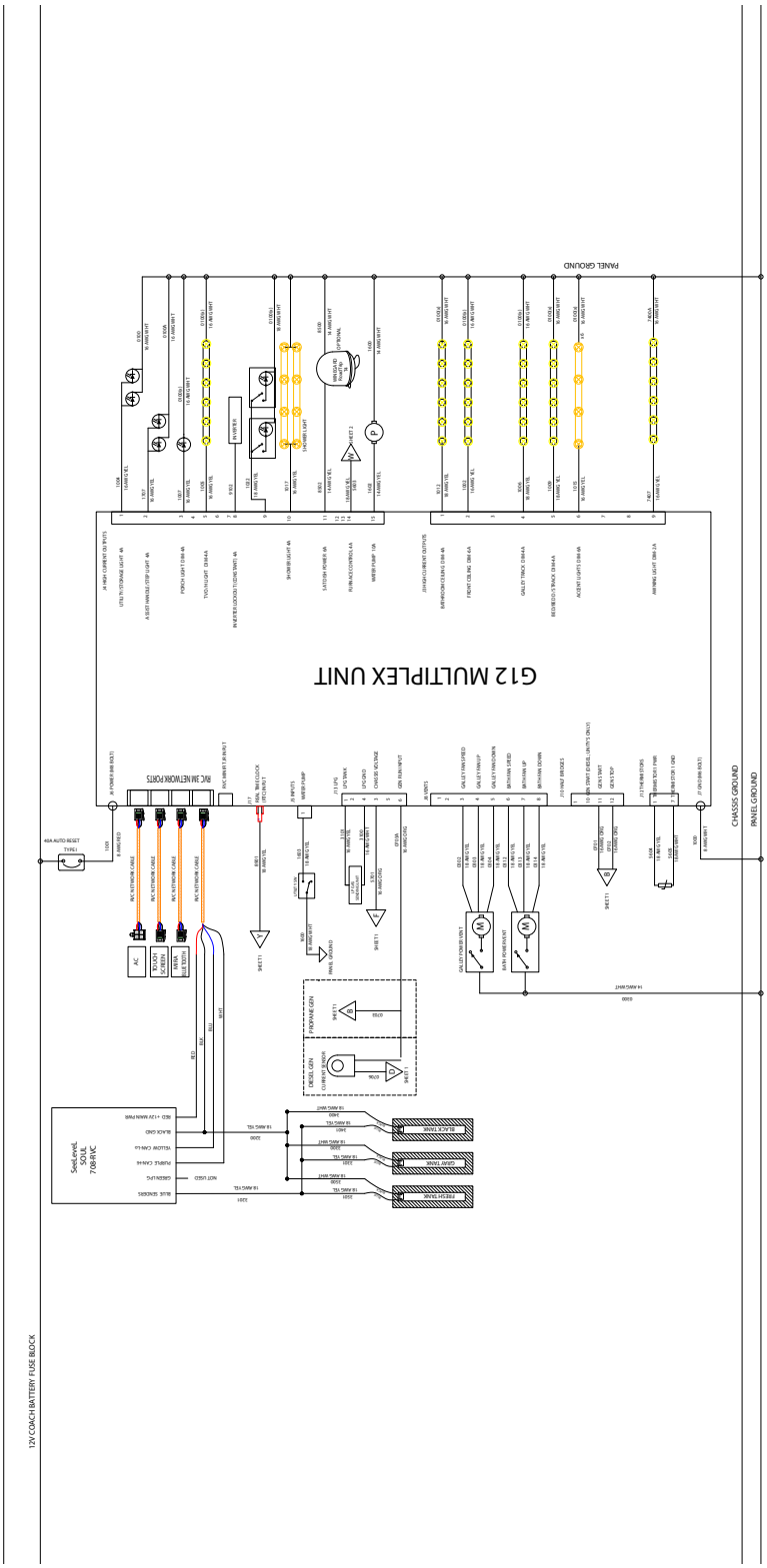
PLEASE REFER TO BREAKER PANEL LABELS FOR EXACT LAYOUT

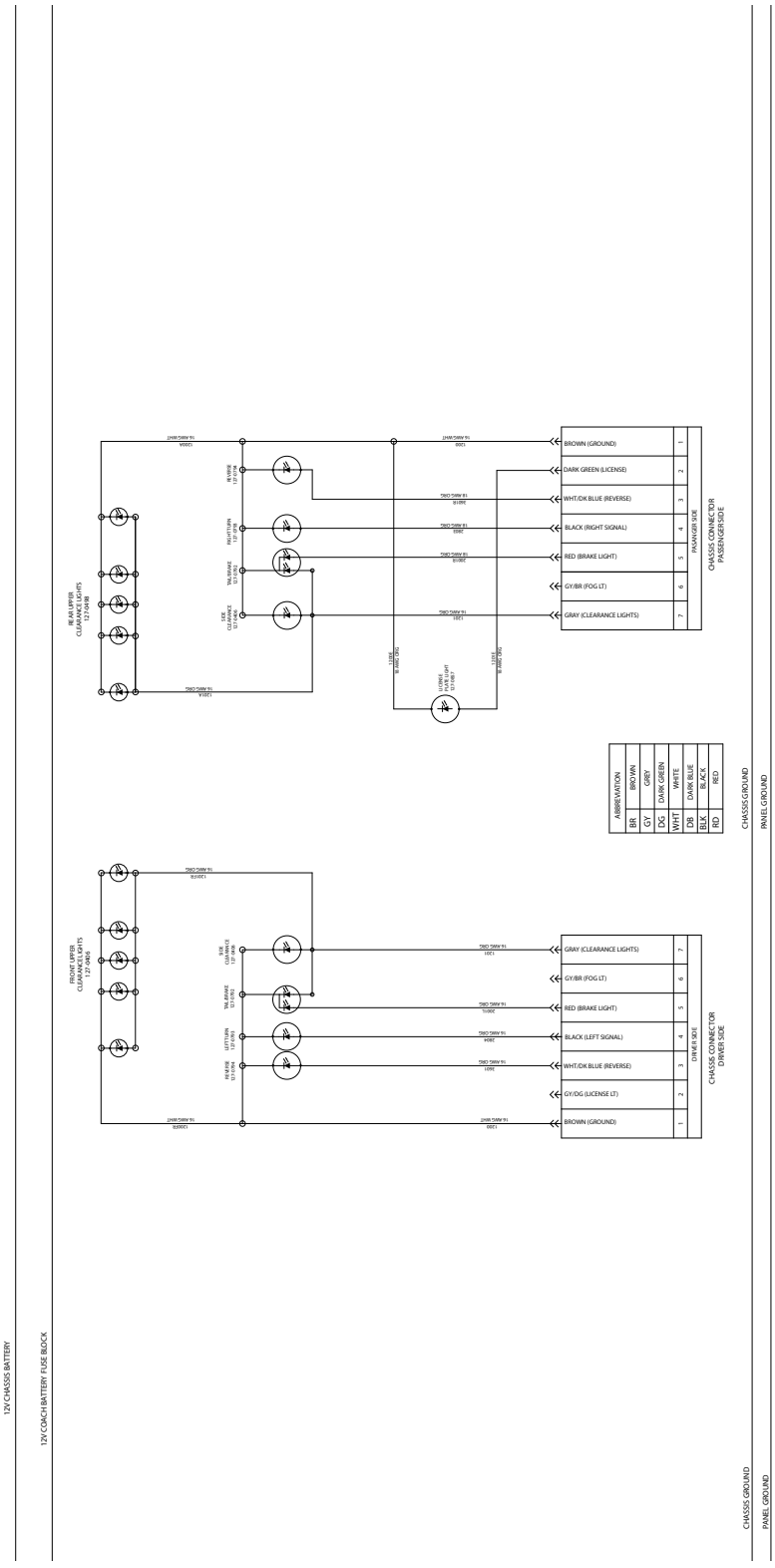
① AC Distribution Panel
② Air Conditioner
③ Inverter/Charger
④ Fridge
⑤ Microwave
⑥ Surge Protector
⑦ Transfer Switch
⑧ Generator
⑨ Generator Current Switch (Diesel Option)
⑩ Lower Galley Receptacle
⑪ Subwoofer/Power Chairs Receptacle
⑫ Bed Receptacle
⑬ Washroom Receptacle
⑭ Lower Entertainment Receptacle
⑮ Sound Bar Receptacle
⑯ Entertainment
⑰ Exterior Receptacle

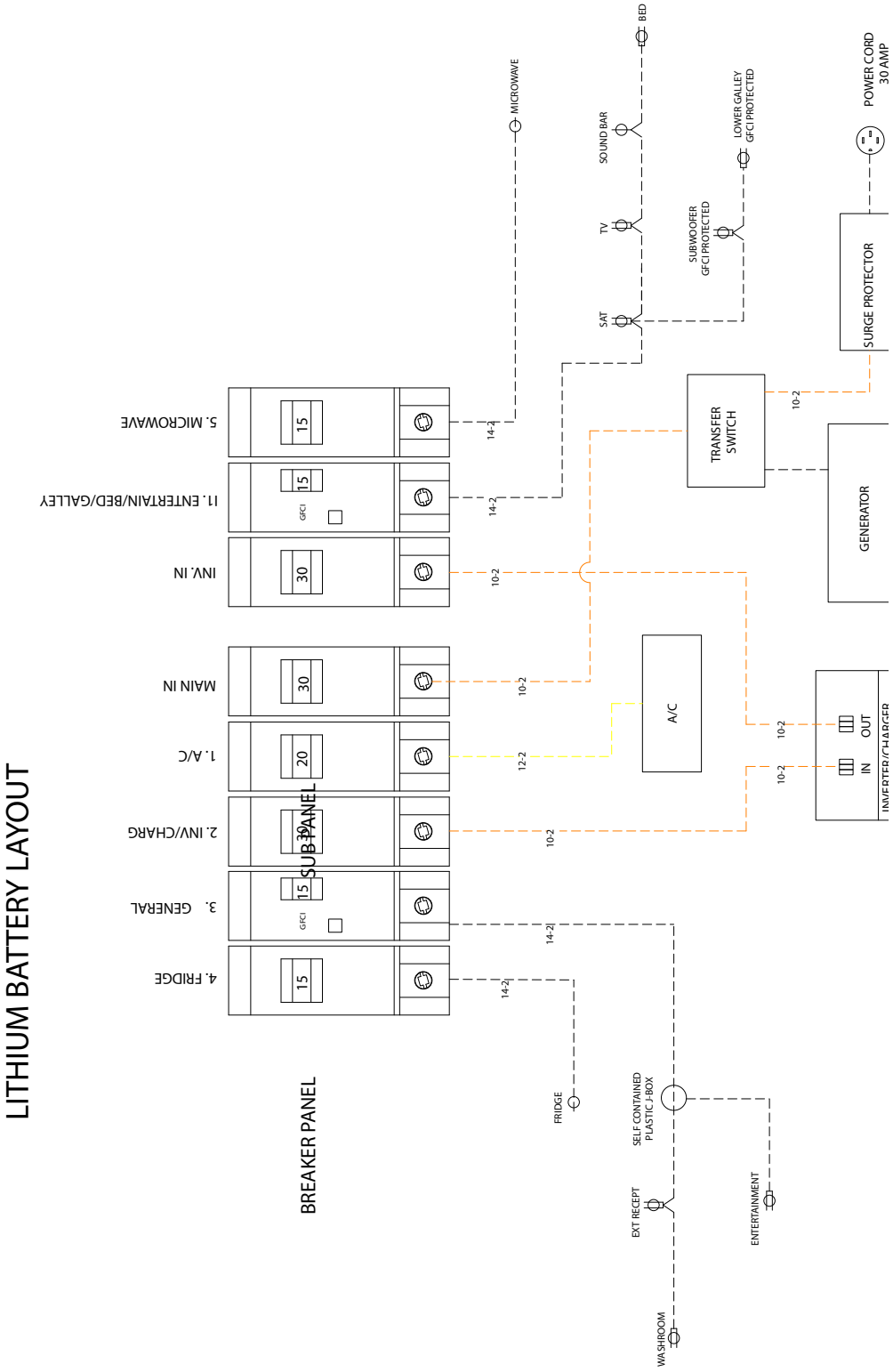
# ELECTRICAL SCHEMATIC


ENTRANCE DOOR OVERRIDE
ELECTRIC STEP
DOOR SWITCH
ENTRANCE DOOR ACTUATOR
21 PIN PLUG PSM EXTENSION
PSM MODULE IN DRV PEDESTAL
21 PIN PLUG PSM EXTENSION
DR
P5
COURTESY LIGHTS
SPRINTER ROOF ANT
FACTORY RADIO
REAR VIEW CAM
OPTIONAL EQUALIZER EQUALIZER ACCESSORY SYSTEM
PARK BRAKE SWITCH
MERCEDES POWER SUPPLY UNDER DRIVER SEAT
REDARC
BATTERY CHARGER 3 AUTO/ 3 MANUAL 3 ACCESS. 3 AUTO/ 3 MANUAL 3 ACCESS. 3 AUTO/ 3 MANUAL 3 ACCESS.


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

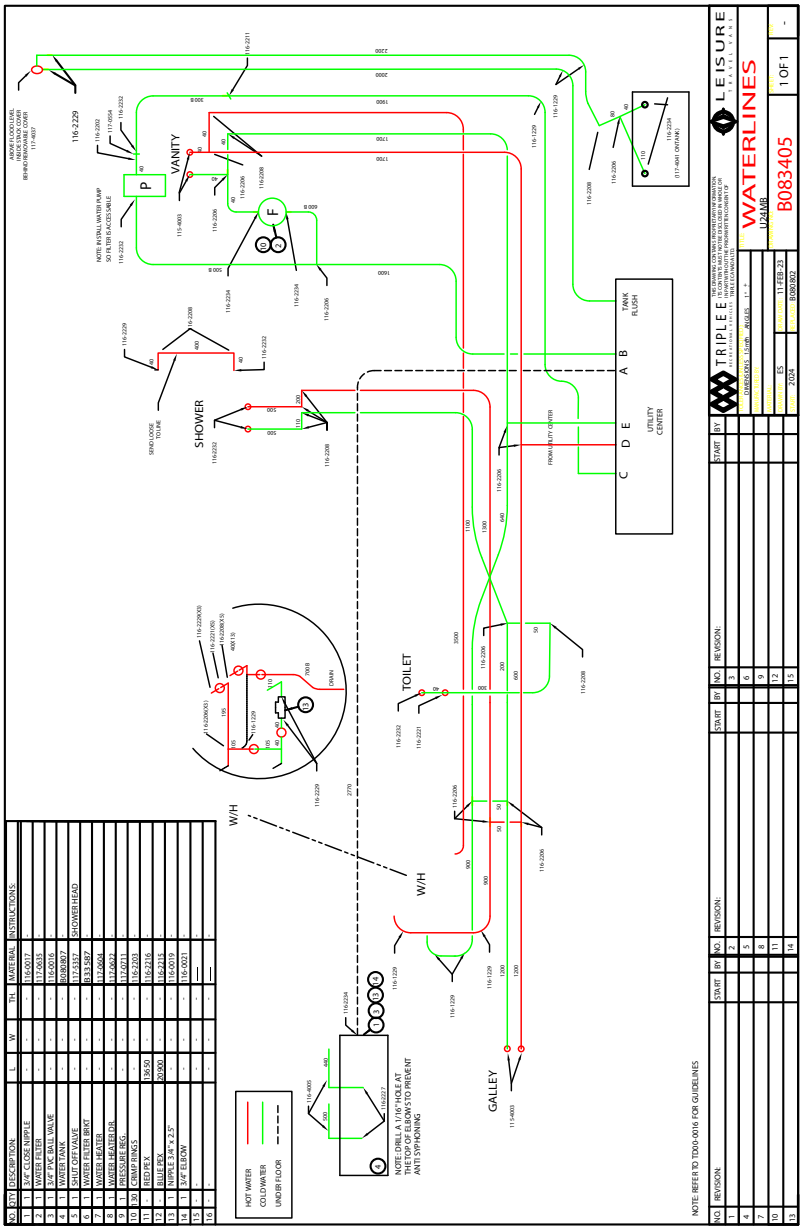

12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
G12 MULTIPLEX UNIT
PANEL GROUND
CHASSIS GROUND
PANEL GROUND
Seelevel SOLL 708-RVC


12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
REAR UPPER CLEARANCE LIGHTS 12-0498
FRONT UPPER CLEARANCE LIGHTS 12-0496
BROWN (GROUND)
DARK GREEN (LICENSE)
WHT/DK BLUE (REVERSE)
BLACK (RIGHT SIGNAL)
RED (BRAKE LIGHT)
GY/BR (FOG LT)
GRAY (CLEARANCE LIGHTS)
CHASSIS CONNECTOR PASSENGER SIDE
24-WAY SIDE
GRAY (CLEARANCE LIGHTS)
GY/BR (FOG LT)
RED (BRAKE LIGHT)
BLACK (LEFT SIGNAL)
WHT/DK BLUE (REVERSE)
GY/DG (LICENSE LT)
BROWN (GROUND)
CHASSIS CONNECTOR DRIVER SIDE
ABBREVIATION
BR BROWN
GY GREY
DG DARK GREEN
WHT WHITE
DB DARK BLUE
BLK BLACK
RD RED
CHASSIS GROUND
PANEL GROUND
CHASSIS GROUND
PANEL GROUND

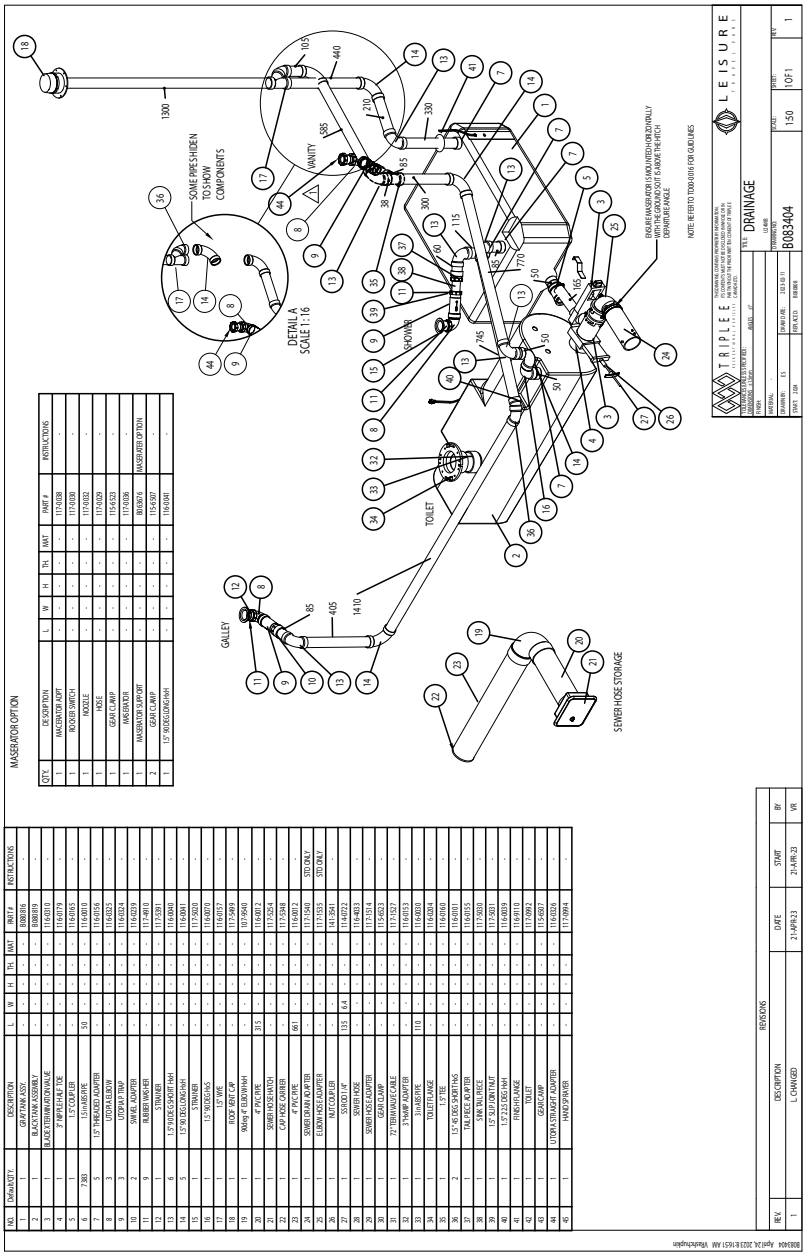

LITHIUM BATTERY LAYOUT
BREAKER PANEL
SUB-PANEL
4. FRIDGE
3. GENERAL
2. INV/CHARG
1. A/C
MAIN IN
INV. IN
11. ENTERTAIN/BED/GALLEY
5. MICROWAVE
15
20
30
GFCI
14-2
12-2
10-2
FRIDGE
SELF CONTAINED PLASTIC J-BOX
EXT RECEPT
WASHROOM
ENTERTAINMENT
A/C
TRANSFER SWITCH
GENERATOR
IN
OUT
INVERTER/CHARGER
SURGE PROTECTOR
POWER CORD 30 AMP
MICROWAVE
SOUND BAR
BED
TV
SAT
SUBWOOFER GFCI PROTECTED
LOWER GALLEY GFCI PROTECTED

# PLUMBING

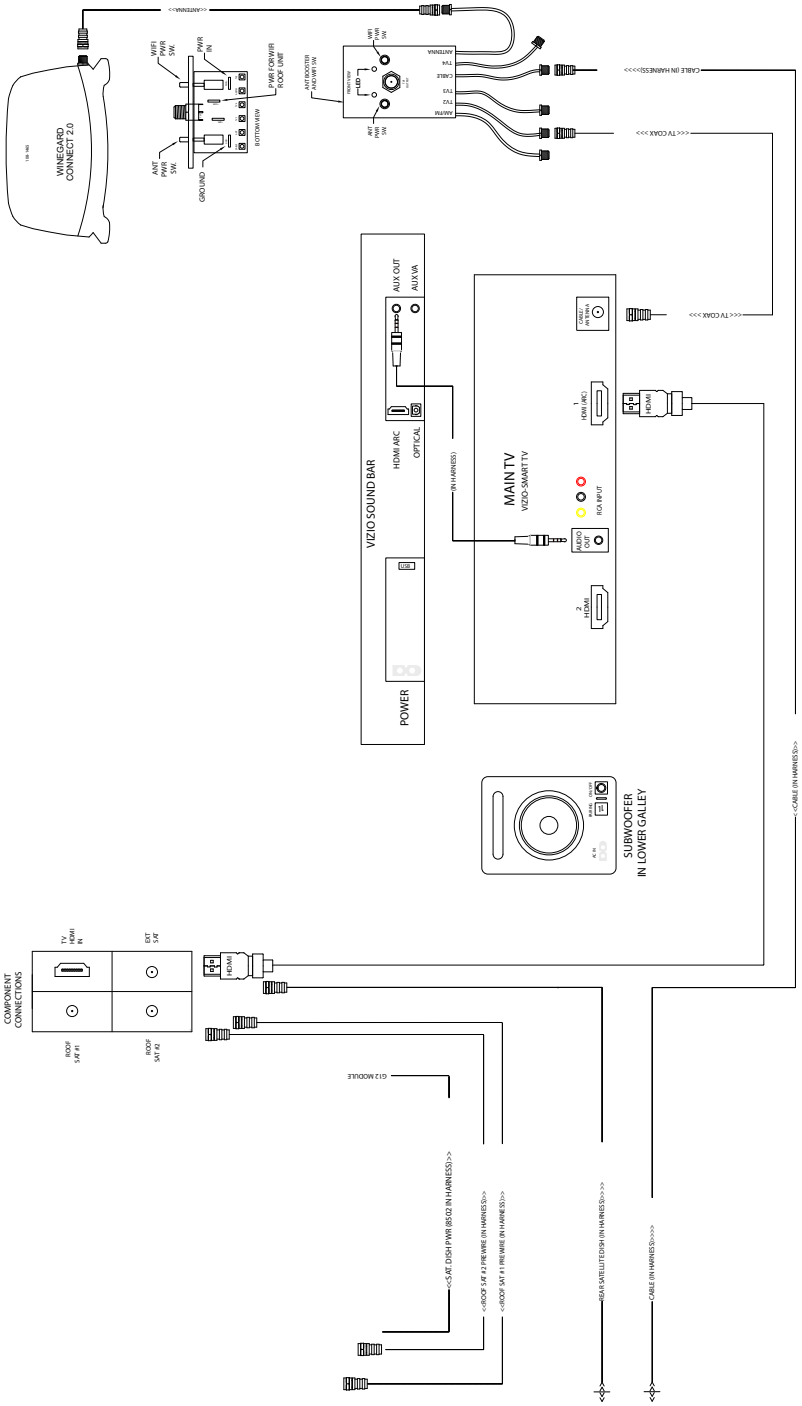
## WATER LINES SCHEMATIC



# DRAIN LINE SCHEMATIC

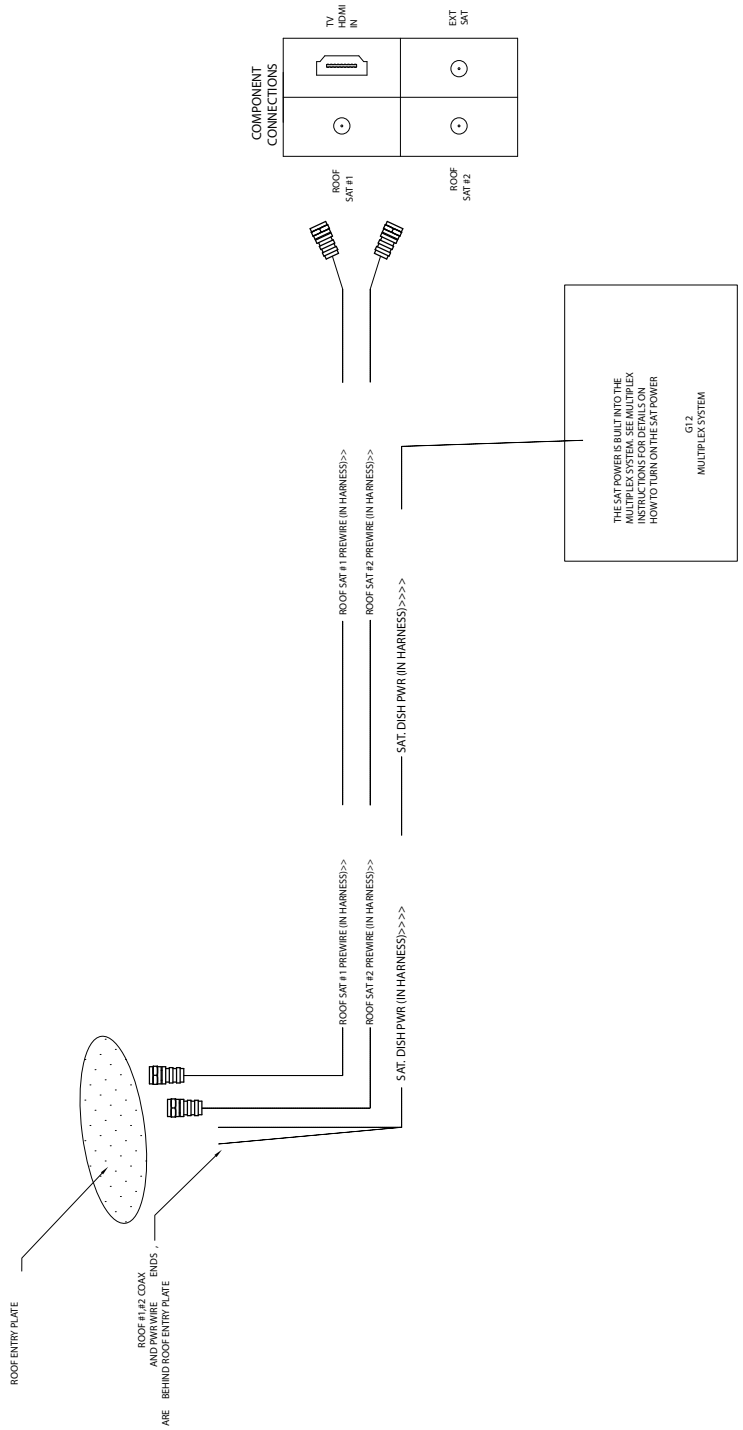


# ENTERTAINMENT



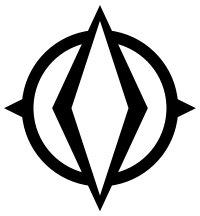
# SATELLITE PRE-WIRE

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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