WONDER | MURPHY BED LOUNGE

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.

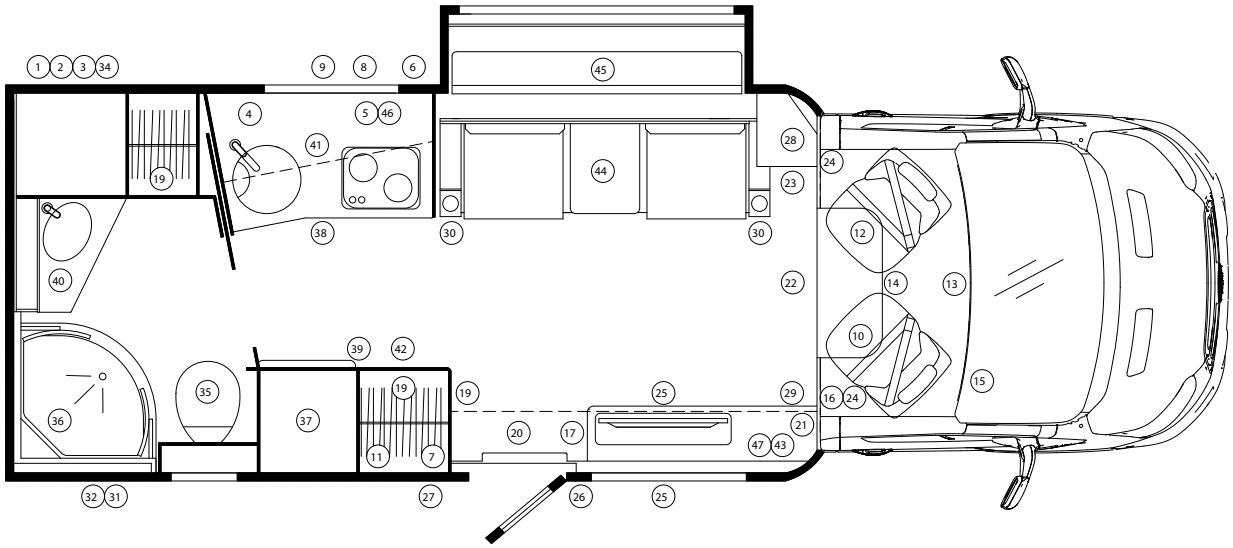
NHTSA will investigate the concern if there are a number of similar complaints. NHTSA has the authority to order a recall and repair campaign depending on the nature and severity of the problem.

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

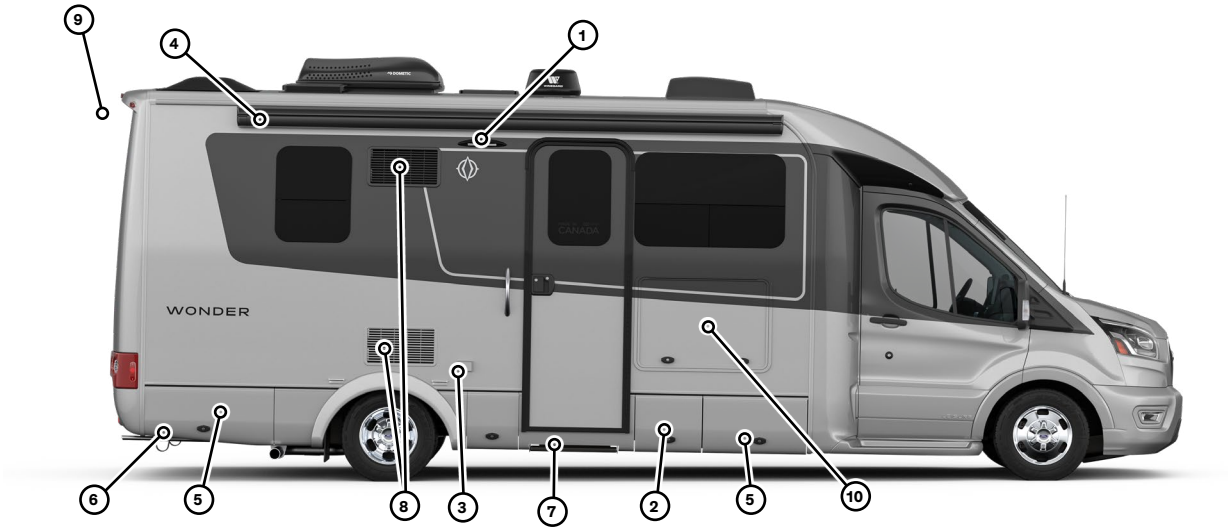


① Macerator Option Under Floor
② Utility Center Under Floor
③ Water Tank/Drain Under Floor
④ Water Heater/ Furnace Under Galley
⑤ Surge Protector Under Galley
⑥ Shore Power Plug
⑦ Generator Transfer Switch Under Galley
⑧ Propane Tank Under Floor
⑨ Sewer Hose Under Floor
⑩ DC/DC Charger behind Access Panel
⑪ Step 5amp, Battery heat 2amp fuse behind access cover
⑫ Chassis Batteries Under Captain Seat
⑬ Ford 12 Volt Plug and USB Plug
⑭ Swivel Seats
⑮ Optional Rear Door Lock/Unlock relay behind glove box
⑯ Awning Switch on pillar behind passenger
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 on Cab Upright
㉒ Smoke Alarm on Ceiling
㉓ Propane/CMD Alarm Bed side
㉔ USB Plug On Cab Upright
㉕ TV
㉖ Coach Batteries In Compartment Under Floor (Solar panel 15/30amp fuse behind batteries)
㉗ Inverter In Compartment Under Floor
㉘ MultiPlex G12 Panel Board behind cover
㉙ BluRay Player
㉚ USB Plug Under Cabinet
㉛ Generator Option Under Floor
㉜ Exterior BBQ Connection Under Floor
㉝ Tank Flush Non Return Valve Below Vanity
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 Dinette Side
㊸ Satellite Option Prewire and Component Connection Plate Under cabinet
㊹ Dinette/Daybed
㊺ Murphy Bed
㊻ Slide Module
㊼ TV Antenna Booster/WIFI Switch in Overhead cabinet

EXTERIOR EQUIPMENT LOCATION

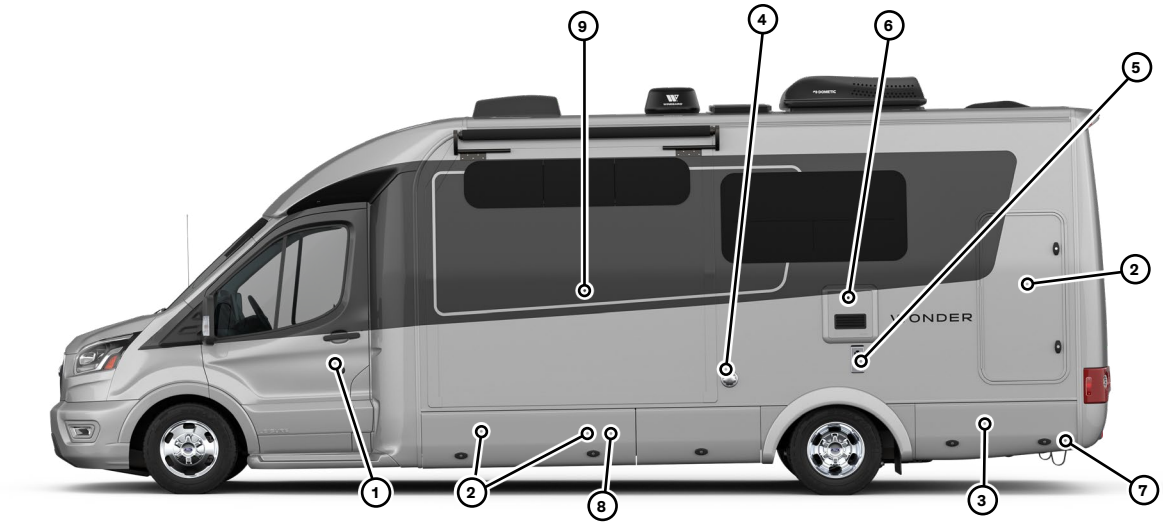
PASSENGER SIDE VIEW

1. Light
2. Inverter and Storage Compartment
3. External Receptacle
4. Awning
5. Storage Compartment
6. BBQ Hook-Up
7. Entrance Step
8. Fridge Vents
9. Ladder (Optional)
10. Storage/External TV Option



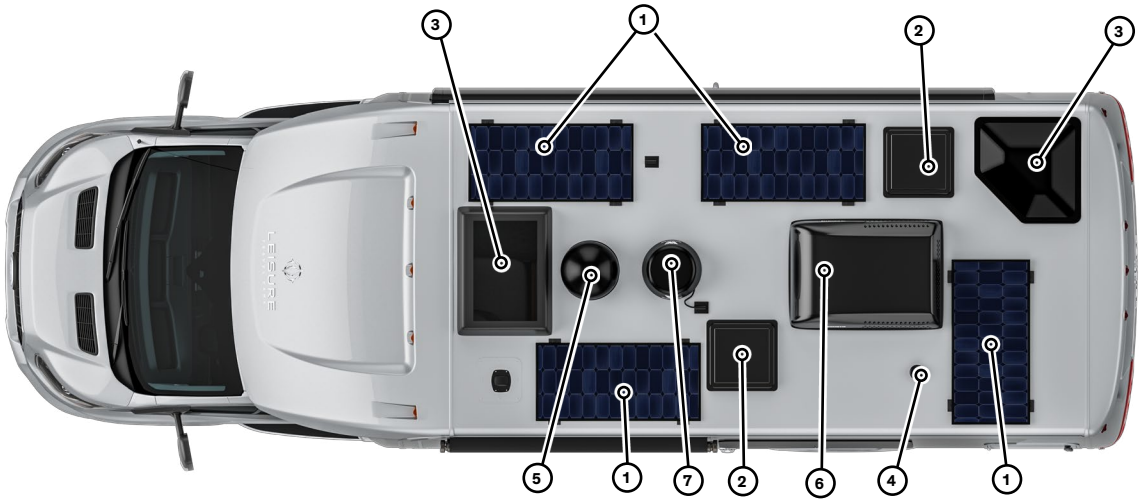
DRIVER SIDE VIEW

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



TOP VIEW

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

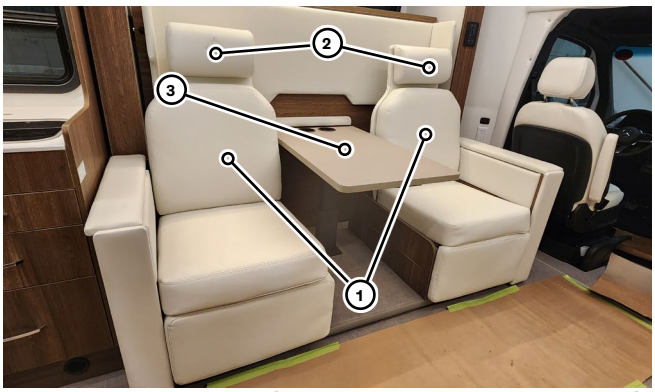


BEDS AND SEATING

MURPHY BED

LOWERING THE MURPHY BED

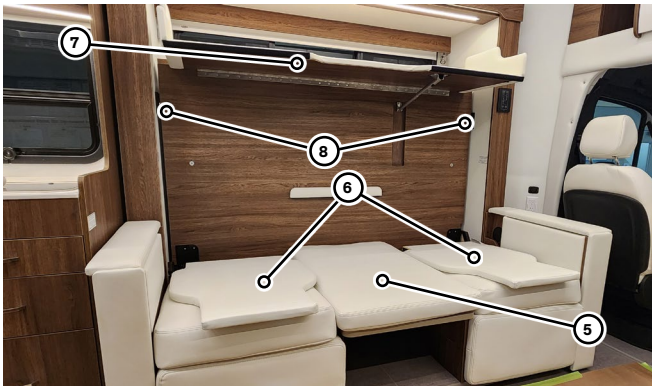
1. Remove the back rest cushions ① and head rest cushions ② from the Dinette area and set aside.



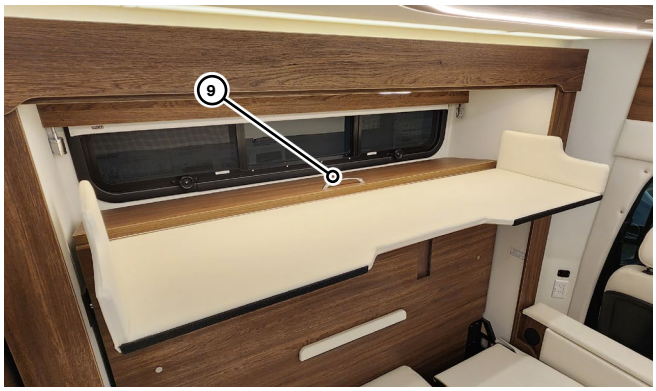
2. Lower the table ③ by pulling on the handle ④ and pushing down towards the back of the table.



3. Place the filler cushion ⑤ on to the table and fold down the backrests ⑥.
4. Raise the bed support platform ⑦ and twist the locking latches ⑧ to release the bed.



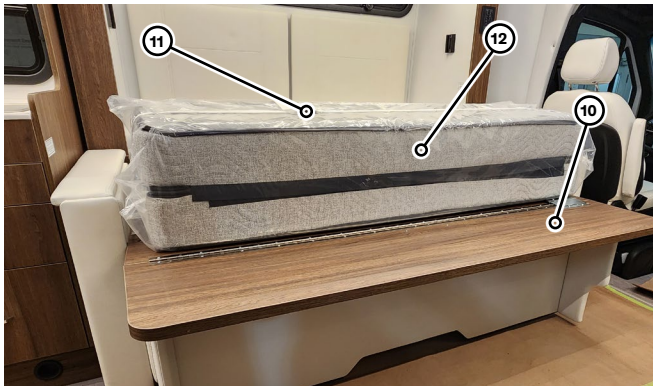
5. Using the handle ⑨, slowly lower the Murphy Bed completely and extend the bed extension ⑩. The Murhpy Bed will be locked in to the down position while the extension is down.



⚠ WARNING

Failure to have the extension folded out could cause the Murphy Bed to lift if weight is placed towards the outside edge of the bed.

6. Unclip the retension strap ⑪ and fold out the matress extension ⑫.



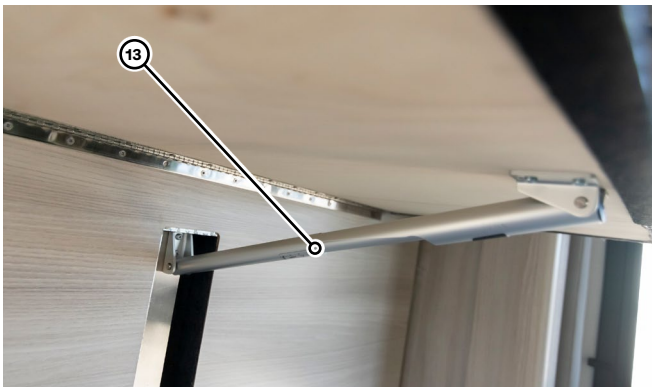
RAISING THE MURPHY BED

1. Before raising the Murphy bed, be sure to clear the bed of any loose items that may fall when the bed is raised.
2. Fold up the matress extension (12) and secure it in to place with the retention strap (11).
3. Raise the bed extension (10) to release the locking mechanism and lift the Murphy Bed using the handle (9).

⚠ CAUTION

Failure to release the locking mechanism may cause damage to the Murphy Bed.

4. Once raised, secure the Murphy Bed in to place using the locking latches (8) on either side of the bed.
5. Lower the bed support by lifting slightly, and pushing upwards in the center of the support (13), and gently lowering the bed support.

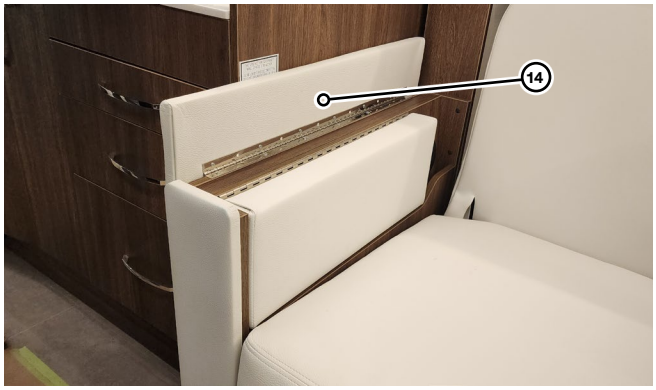


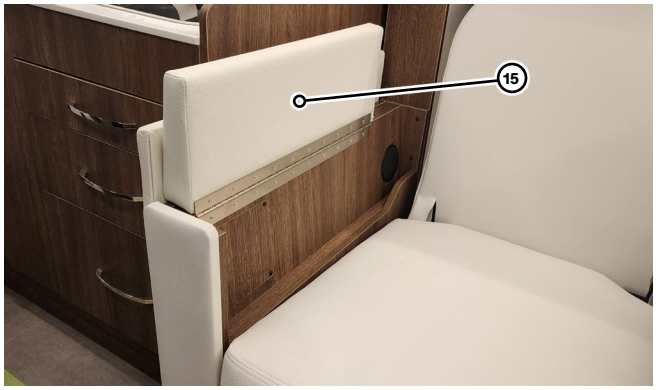
6. Replace the cushions on the dinette seating.

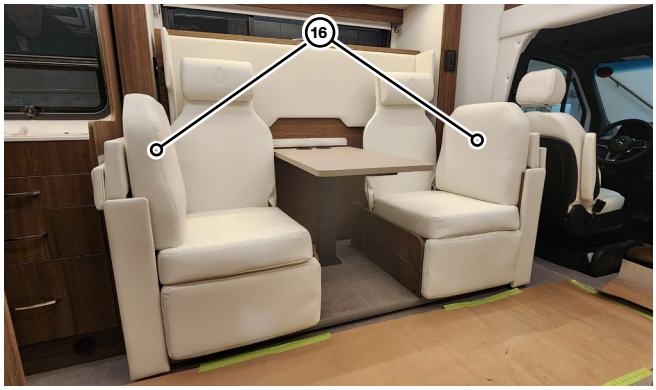
DINETTE SEATING

To set the dinette area up with bench seating:

1. Raise the armrest top (14).
2. Flip over the back rest support (15).
3. Move the back rest cushions (16) to the side.

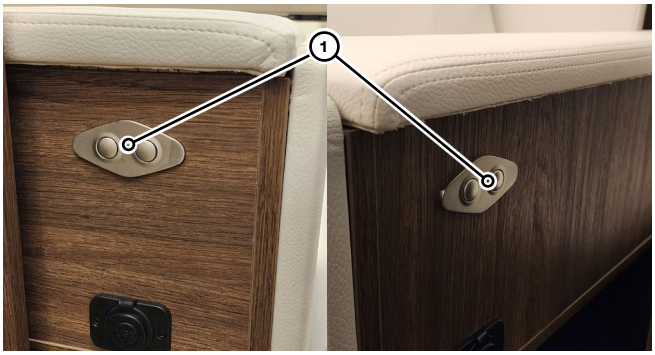






DINETTE FOOT RESTS

To raise or lower the foot rests on the dinette seating, you must either be connected to shore power, have the generator running, or have the inverter running. To raise or lower the foot rest, press the corresponding button ① on the side of the armrest.

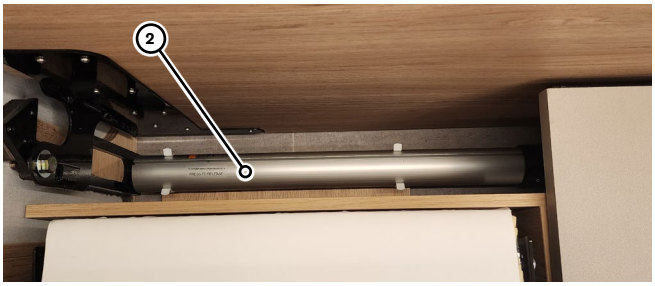


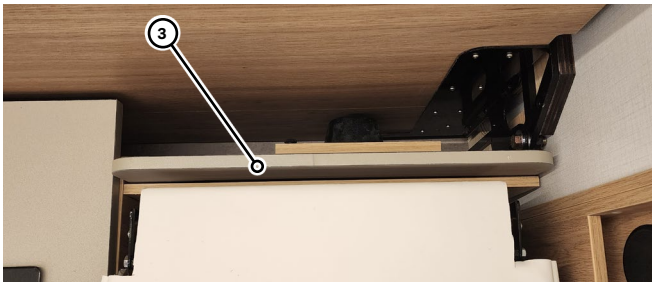
OPTIONAL FRONT TABLE

Your coach may be equipped with an optional front table.

INSTALLING THE REMOVABLE TABLE ASSEMBLY

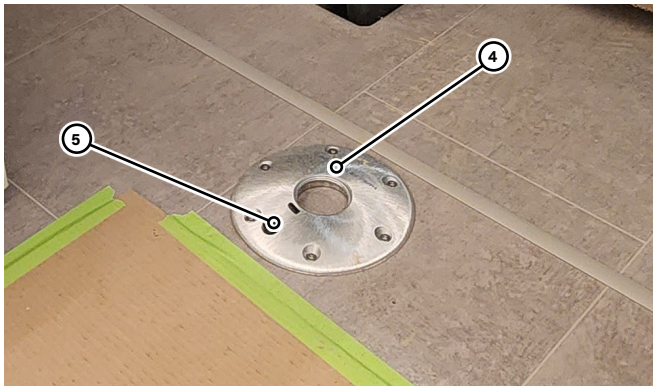
1. Locate the table leg ② and table top ③ stored behind the dinette seating.
2. Engage the table leg into the floor plate ④ and install the table top onto the leg.

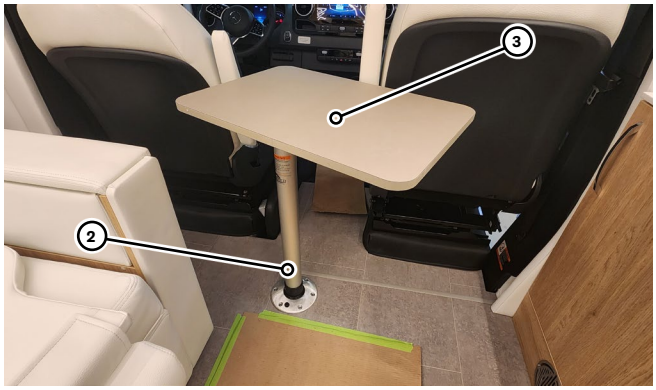




STORING THE REMOVABLE TABLE ASSEMBLY

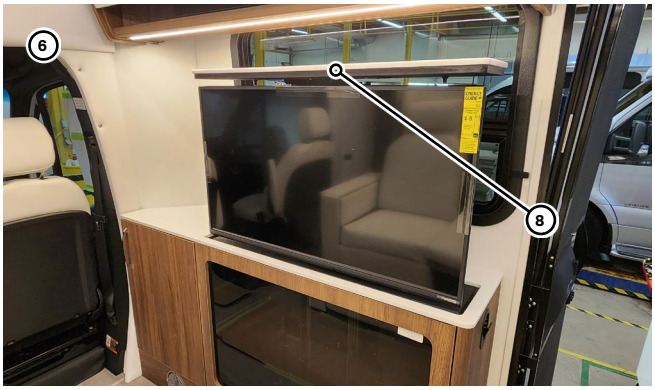
1. Remove the table top ③ and store it behind the dinette seat.
2. Press down on the release button ⑤ and rotate the table leg ② counter clockwise to remove, and store behind the dinette seat.

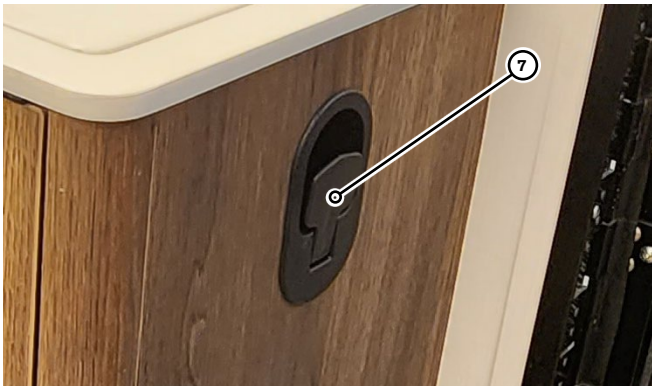




TV LOCATIONS

The TV is stowed in the coach passenger side countertop (6) and is accessed by pulling the release lever (7) located at the coach entrance.



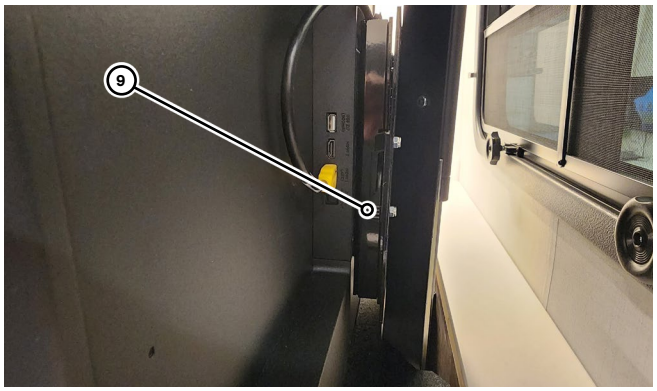


NOTE: The TV will rise from the cabinet under spring tension. Ensure the top of the TV cabinet is clear before opening.

To store, push down on the center of the cover panel (8) 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.

The interior TV can also swivel towards the front of the coach for better viewing from the captains seats. In order the swivel the TV, you must flip the latch behind the TV (9) upwards to unlock the mechanism.



⚠ NOTICE

When traveling, ensure the TV is fully latched in the stored position.

Your coach may also be equipped with an optional exterior TV (10) accessed through the exterior storage door.

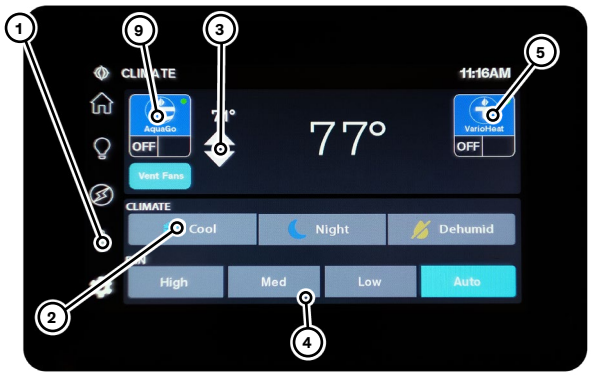


FIREFLY MULTIPLEX SYSTEM

CLIMATE CONTROL

The Wonder Murphy Bed Lounge uses a Truma Varioheat furnace and a Truma Aventa air conditioner, both controlled via the multiplex system in your coach.

In order to adjust the interior temperature, tap the "Climate" icon ① on the multiple touch screen.



TRUMA AVENTA AIR CONDITIONER

In order for the Air conditioner to operate, your coach will need to have access to 120v power, either through the generator, or shore power.

To use the air conditioner, tap "Cool" ②, and adjust the desired temperature ③. If there is 120v power available and the desired temperature is lower than the current ambient temperature, the compressor will begin shortly after. When set to "Cool", the fan will run continuously.

To turn off the air conditioner, tap "Cool" ② once again, and the button color will reset to gray confirming the air conditioner is now off.

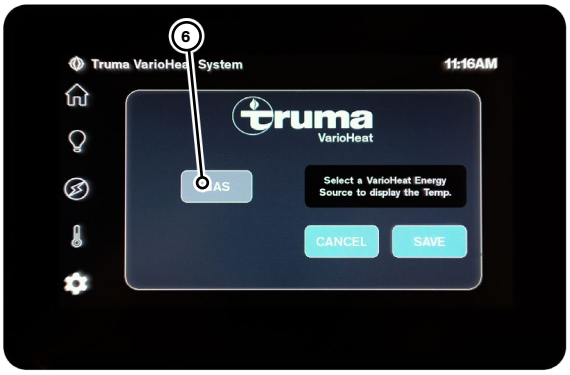
You can also adjust the fan speed ④ seperately from the air conditioner so long as you have 120v power. Tap either High, Med, Low, or Auto.

TRUMA VARIOHEAT FURNACE

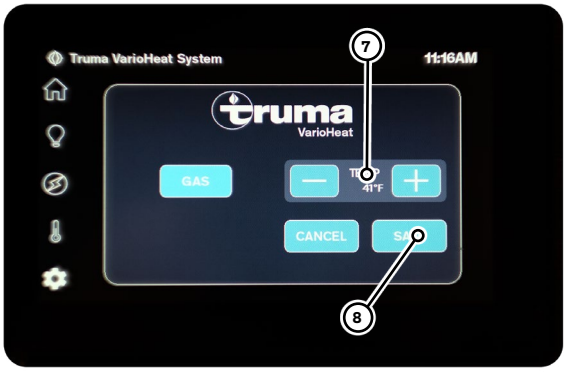
NOTE: In order to operate the VarioHeat furnace, the CP Plus remote must be turned on.

In order to operate the furnace, you must make sure the propane switch in the exterior compartment is turned on.

To turn on the heating function, tap the "VarioHeat" button ⑤ in the top right of the climate screen.



This will bring up a Energy Source Select screen. Tap on Gas ⑥ to select LP Gas as the source.



Once you have selected the source, you will have a temperature select option ⑦. Set this to the desired heating temperature for your coach, and select "Save" ⑧ to save the settings.

In order to turn the furnace back off, tap the "VarioHeat" button ⑤ once again, and tap on "Gas" ⑥ to deselect it. Tap "Save" ⑧ once more to save the settings.

TRUMA AQUAGO WATER HEATER

NOTE: In order to operate the Aquago Water Heater, the CP Plus remote must be turned on.

The water heater in the Wonder Murphy Bed Lounge is controlled through the multiplex system instead of having a separate water heat control.



In order to turn on the water heater, tap the “AquaGo” button (9) in the top left of the Climate screen.

This will bring up a mode select screen (10), where you can toggle between off, Eco, or Comfort mode. Once you’ve selected the mode you want, tap “Save” (11) to save the settings.

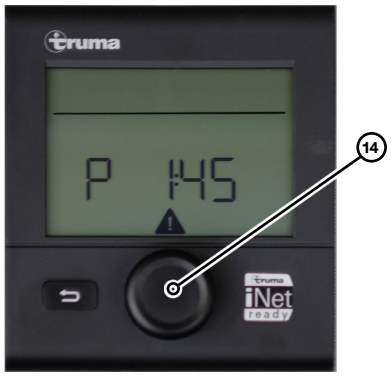
CP PLUS REMOTE

The Wonder MBL uses a CP Plus (12) located in the entrance door overhead (13) in order to convert the signal from the Firefly multiplex system to control the Truma VarioHeat furnace and the Aquago Comfort Plus water heater.



In order to use either of those components, the CP Plus must be powered on by pressing the center dial (14), and be in standby mode. If the display backlight is on, you will need to wait roughly 10 seconds of inactivity on the CP Plus for it to enter standy before you can use the furnace or water heater.

NOTE: All of the settings on the CP Plus are preset at the factory. Changing these settings may cause the Aquago or VarioHeat to stop working properly.



CP PLUS POWERED ON AND IN STANDBY MODE

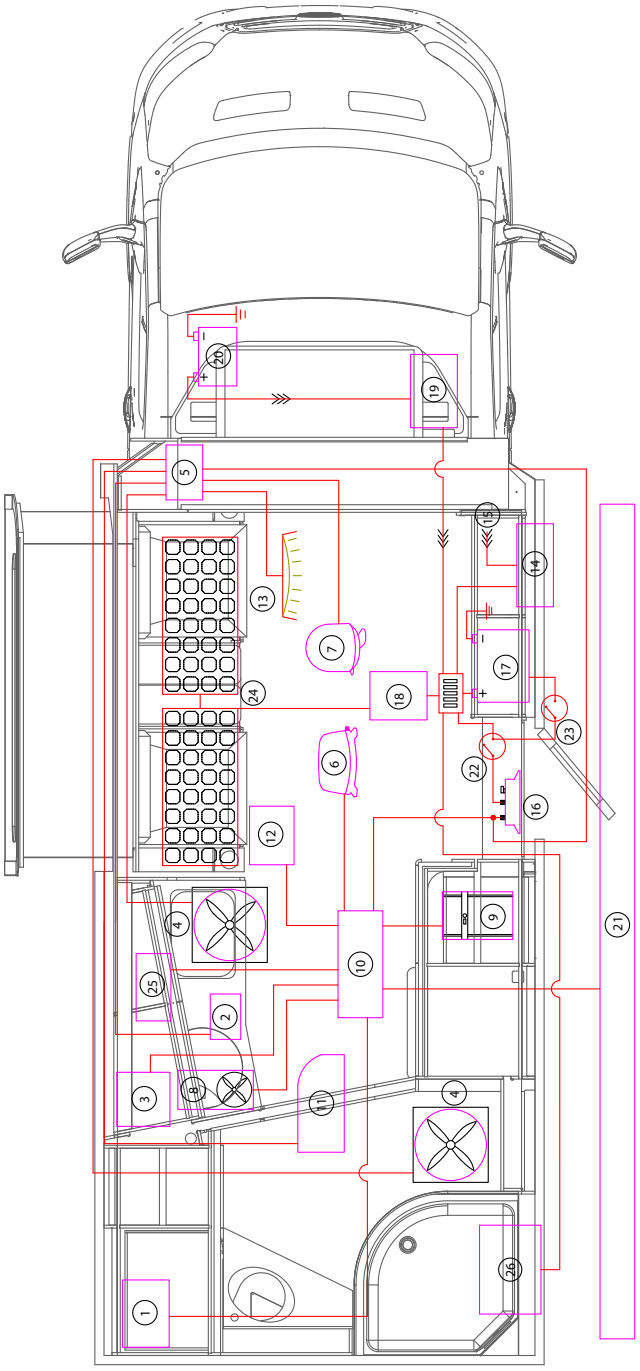


CP PLUS POWERED ON BUT NOT IN STANDBY MODE

3. SCHEMATICS

ELECTRICAL

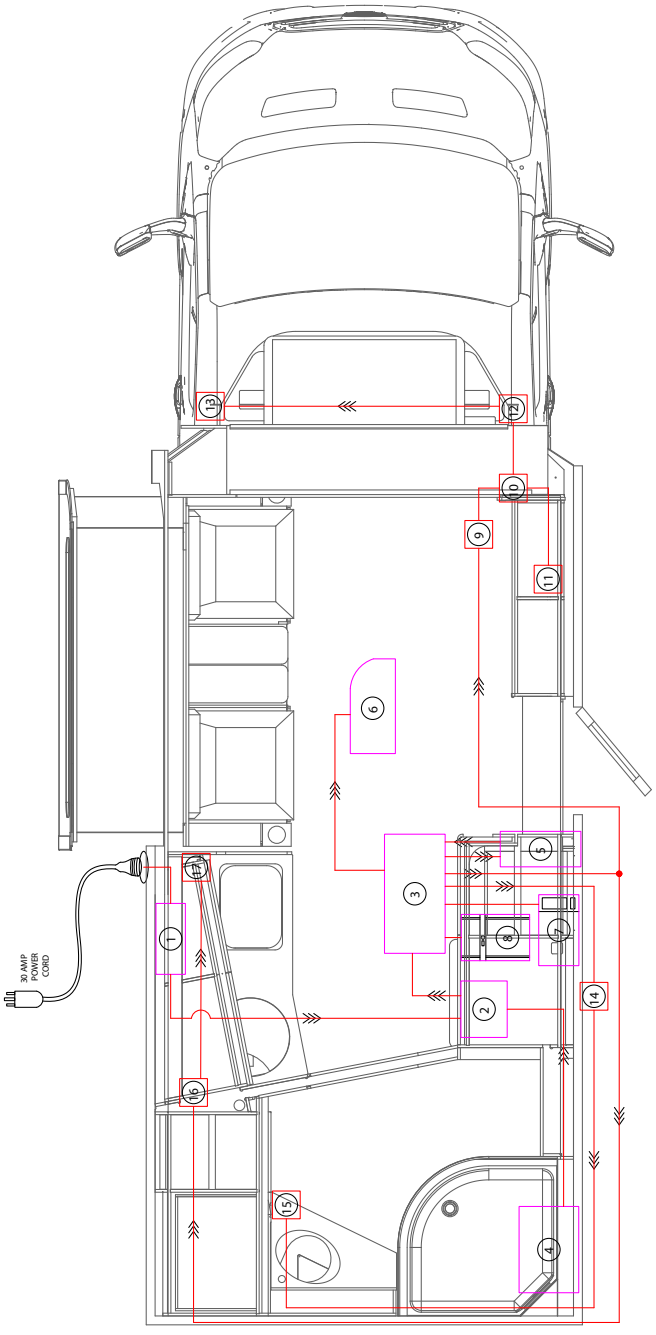
12 VOLT ELECTRICAL REFERENCE



W24MBL 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/Wireless 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 Slide Module
㉖ Generator (Optional)

120 VOLT ELECTRICAL REFERENCE

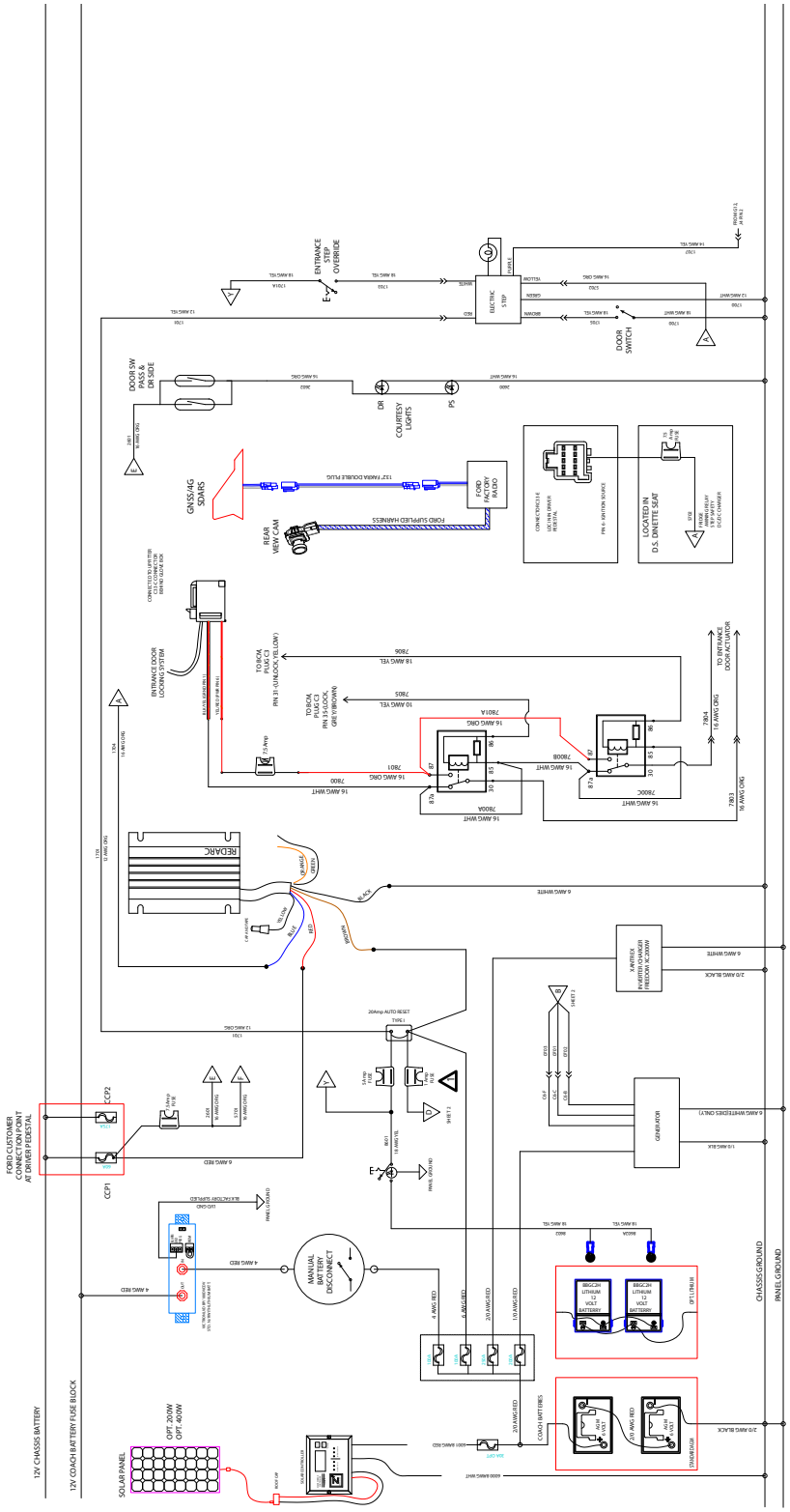


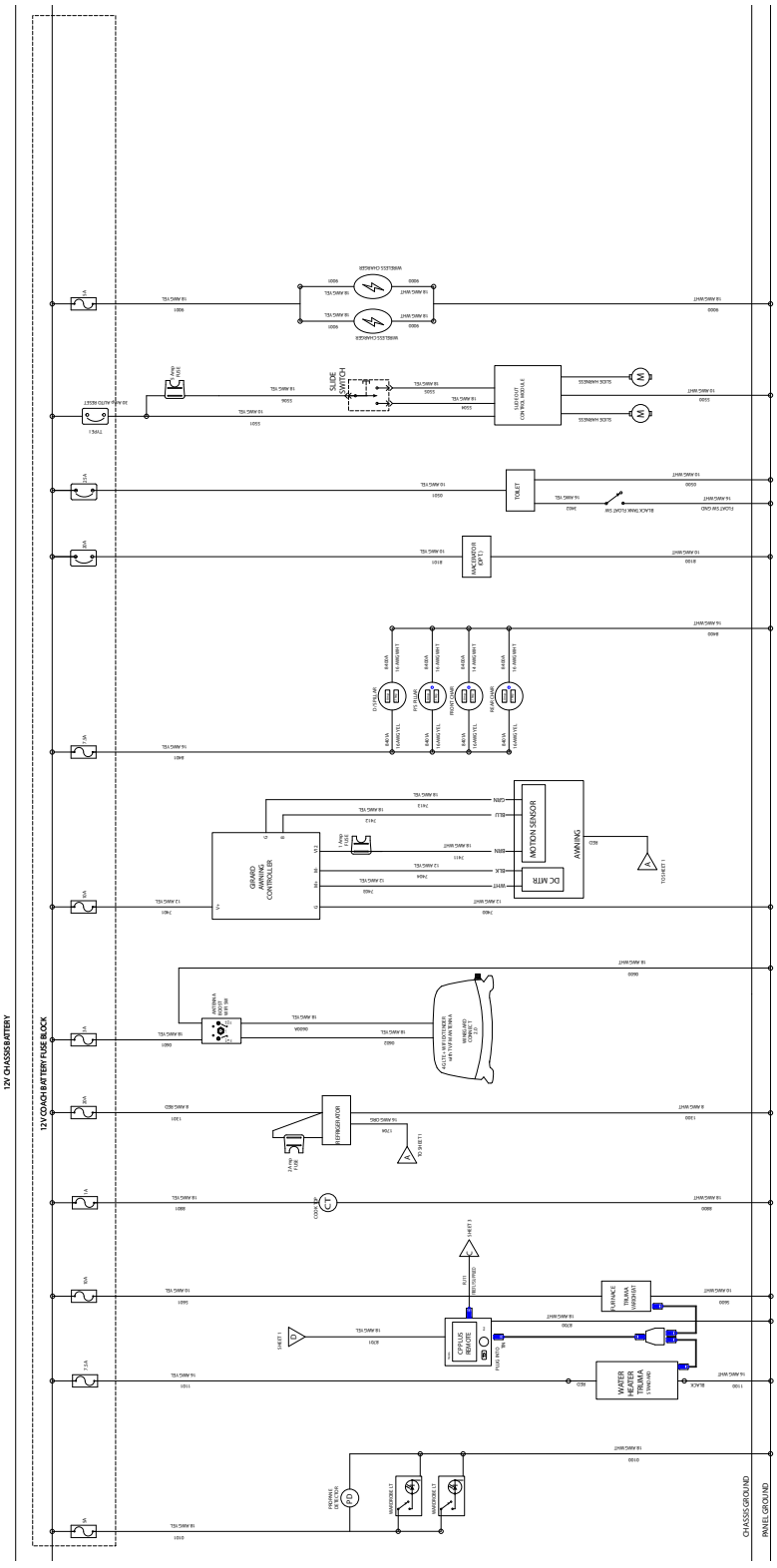
W24MBL 30 AMP 120V ELECTRICAL WIRING SCHEMATIC

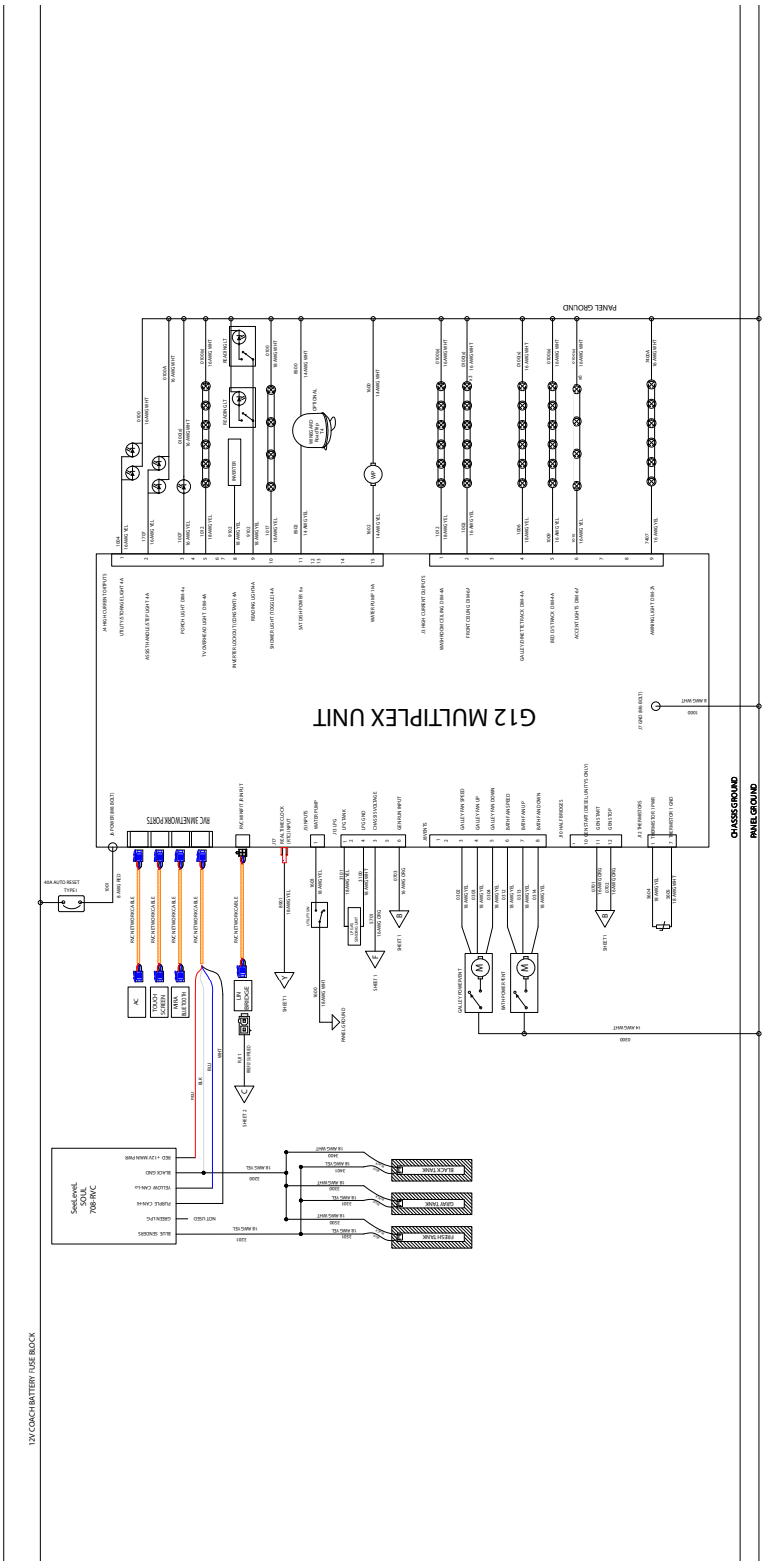
PLEASE REFER TO BREAKER PANEL LABELS FOR EXACT LAYOUT

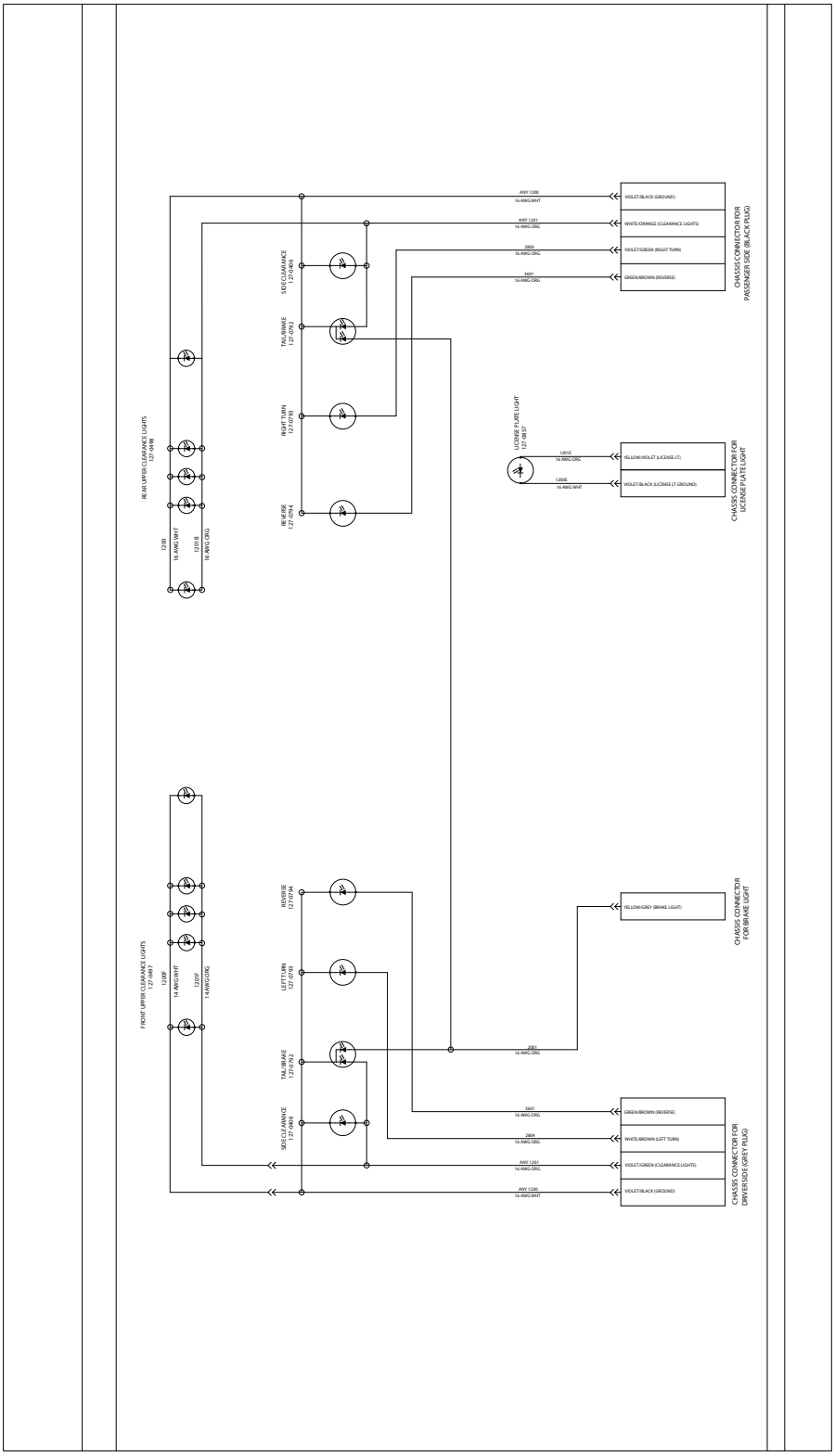
① Surge Protector
② Transfer Switch
③ AC Distribution Panel
④ Generator
⑤ Inverter/Charger
⑥ Air Conditioner
⑦ Microwave
⑧ Fridge
⑨ Sound Bar Receptacle
⑩ BluRay Player Receptacle
⑪ TV Receptacles
⑫ Generator Current Switch (Diesel Option)
⑬ Driver Side Pillar Receptacle
⑭ Exterior Receptacle
⑮ Washroom Receptacle
⑯ Galley Receptacle
⑰ Slide Recliner Power Supply Receptacle

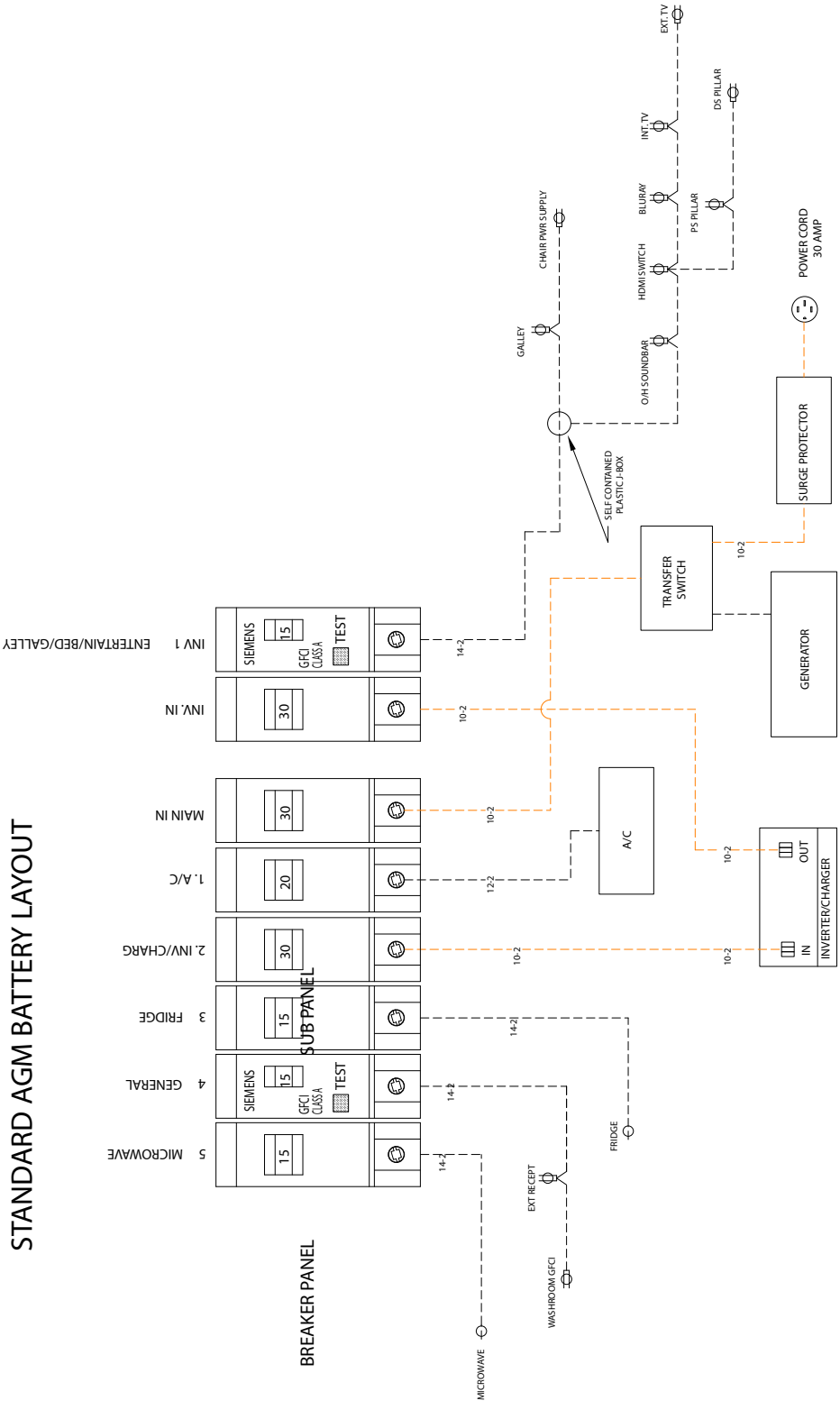
ELECTRICAL SCHEMATIC

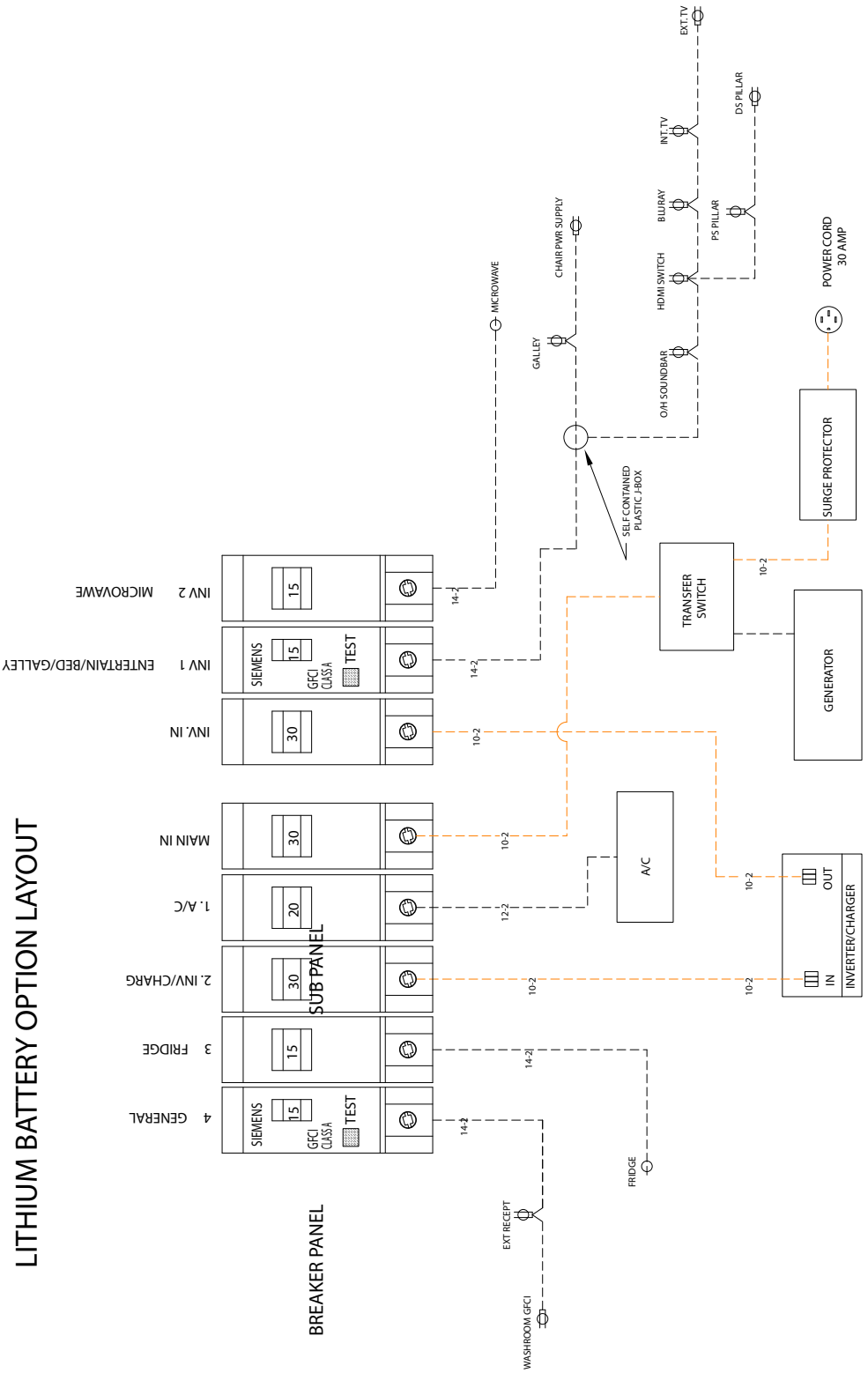



12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
CHASSIS GROUND
PANEL GROUND
SLIDE SWITCH
TOILET
REFRIGERATOR
MOTION SENSOR
AWNING
DC MTR
GRAND AWNING CONTROLLER
WATER HEATER TRUMA 110VAC
SLIDE MANUAL
SLIDE MANUAL
SLIDE MOTOR CONTROLLER
ENTRY LAMP
PASSAGE LAMP
RIGHT SIDE
REAR SIDE
ENTRY STEP
PASSAGE STEP
RIGHT SIDE STEP
REAR SIDE STEP
MOTION SENSOR
AWNING
TO SHEET 1
TO SHEET 1
TO SHEET 1


12V CHASSIS BATTERY
12V COACH BATTERY FUSE BLOCK
G12 MULTIPLEX UNIT
CHASSIS GROUND
PANEL GROUND
PANEL GROUND
AWNING LIGHT 10W-A
ACCENT LIGHTS 3W-A
BED STRIPS 3W-A
GALLEY STRETCH STRIPS 18W-A
FRONT CEILING 9W-A
MAIN ROOM STRIPS 18W-A
SATURN DOME 4A
WATER PUMP 10A
SHOWER LIGHT FOCUS 2.4A
PASSING LIGHTS 4A
TV/OVERHEAD LIGHT 18W-A
PORCH LIGHT 10W-4A
AUTOMATIC AWNING LIGHT 1.4A
UTILITY STRIPS LIGHT 1.4A
JH HIGH/AWNING 15A (PWM)
JI HIGH CURRENT OUTPUTS
GALLEY FANS
GALLEY FAN SPEED
GALLEY FAN UP
GALLEY FAN DOWN
BATHFAN SPEED
BATHFAN UP
BATHFAN DOWN
SLIDE OUT
SLIDE OUT
SLIDE OUT

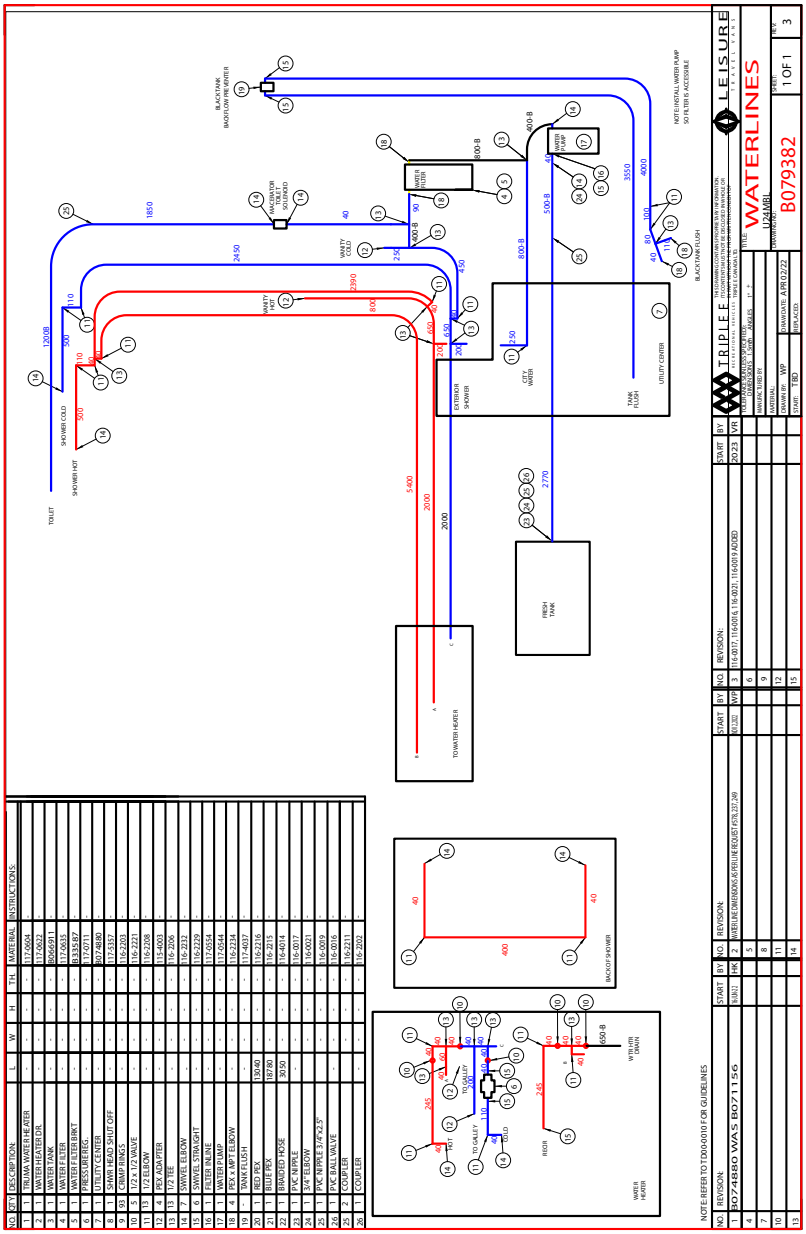

REAR UPPER CLEARANCE LIGHTS
127-0938
1200
16 AWG WHT
1201B
16 AWG ORG
SIDE CLEARANCE
127-0406
TAIL/BRAKE
127-0792
RIGHT TURN
127-0793
REVERSE
127-0794
ANY 1200
16 AWG WHT
ANY 1201
16 AWG ORG
2605
16 AWG ORG
2601
16 AWG ORG
VIOLET/BLACK (GROUND)
WHITE/ORANGE (CLEARANCE LIGHTS)
VIOLET/GREEN (RIGHT TURN)
GREEN/BROWN (REVERSE)
CHASSIS CONNECTOR FOR PASSENGER SIDE (BLACK PLUG)
LICENSE PLATE LIGHT
127-0937
1201E
16 AWG ORG
1200E
16 AWG WHT
YELLOW/VIOLET (LICENSE LT)
VIOLET/BLACK (LICENSE LT GROUND)
CHASSIS CONNECTOR FOR LICENSE PLATE LIGHT
FRONT UPPER CLEARANCE LIGHTS
127-0937
1200F
16 AWG WHT
1201F
16 AWG ORG
REVERSE
127-0794
LEFT TURN
127-0793
TAIL/BRAKE
127-0792
SIDE CLEARANCE
127-0406
2001
16 AWG ORG
YELLOW/GREY (BRAKE LIGHT)
CHASSIS CONNECTOR FOR BRAKE LIGHT
2601
16 AWG ORG
2604
16 AWG ORG
ANY 1201
16 AWG ORG
ANY 1200
16 AWG WHT
GREEN/BROWN (REVERSE)
WHITE/BROWN (LEFT TURN)
VIOLET/GREEN (CLEARANCE LIGHTS)
VIOLET/BLACK (GROUND)
CHASSIS CONNECTOR FOR DRIVER SIDE (GREY PLUG)


STANDARD AGM BATTERY LAYOUT
BREAKER PANEL
SUB PANEL
INV 1 ENTERTAIN/BED/GALLEY
INV. IN
MAIN IN
1. A/C
2. INV/CHARG
3 FRIDGE
4 GENERAL
5 MICROWAVE
SIEMENS
GFCI CLASS A
TEST
15
20
30
14-2
12-2
10-2
A/C
TRANSFER SWITCH
GENERATOR
SURGE PROTECTOR
POWER CORD 30 AMP
INVERTER/CHARGER
IN
OUT
SELF CONTAINED PLASTIC J-BOX
GALLEY
CHAIR PWR SUPPLY
O/H SOUNDBAR
HDMI SWITCH
BLURAY
P/S PILLAR
INT. TV
EXT. TV
D/S PILLAR
MICROWAVE
WASHROOM GFCI
EXT RECEPT
FRIDGE

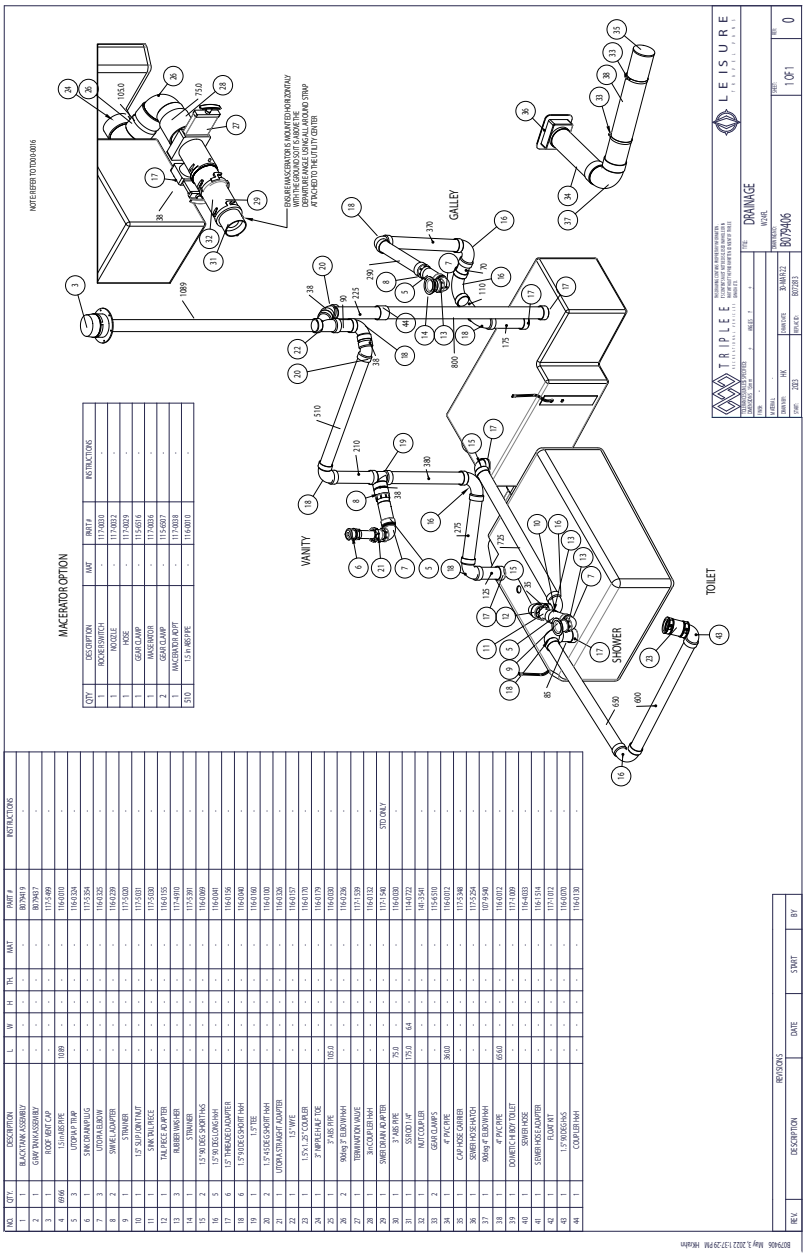

LITHIUM BATTERY OPTION LAYOUT
BREAKER PANEL
SUB PANEL
INV 2 MICROWAVE
INV 1 ENTERTAIN/BED/GALLEY
INV. IN
MAIN IN
1. A/C
2. INV/CHARG
3 FRIDGE
4 GENERAL
SIEMENS
GFCI CLASS A
TEST
15
20
30
MICROWAVE
CHAIR PWR SUPPLY
GALLEY
O/H SOUNDBAR
HDMI SWITCH
BLU-RAY
INT. TV
EXT. TV
PS PILLAR
DS PILLAR
POWER CORD 30 AMP
SURGE PROTECTOR
TRANSFER SWITCH
GENERATOR
A/C
INVERTER/CHARGER
IN
OUT
SELF CONTAINED PLASTIC J-BOX
EXT RECEPT
WASHROOM GFCI
FRIDGE
14-2
12-2
10-2

PLUMBING

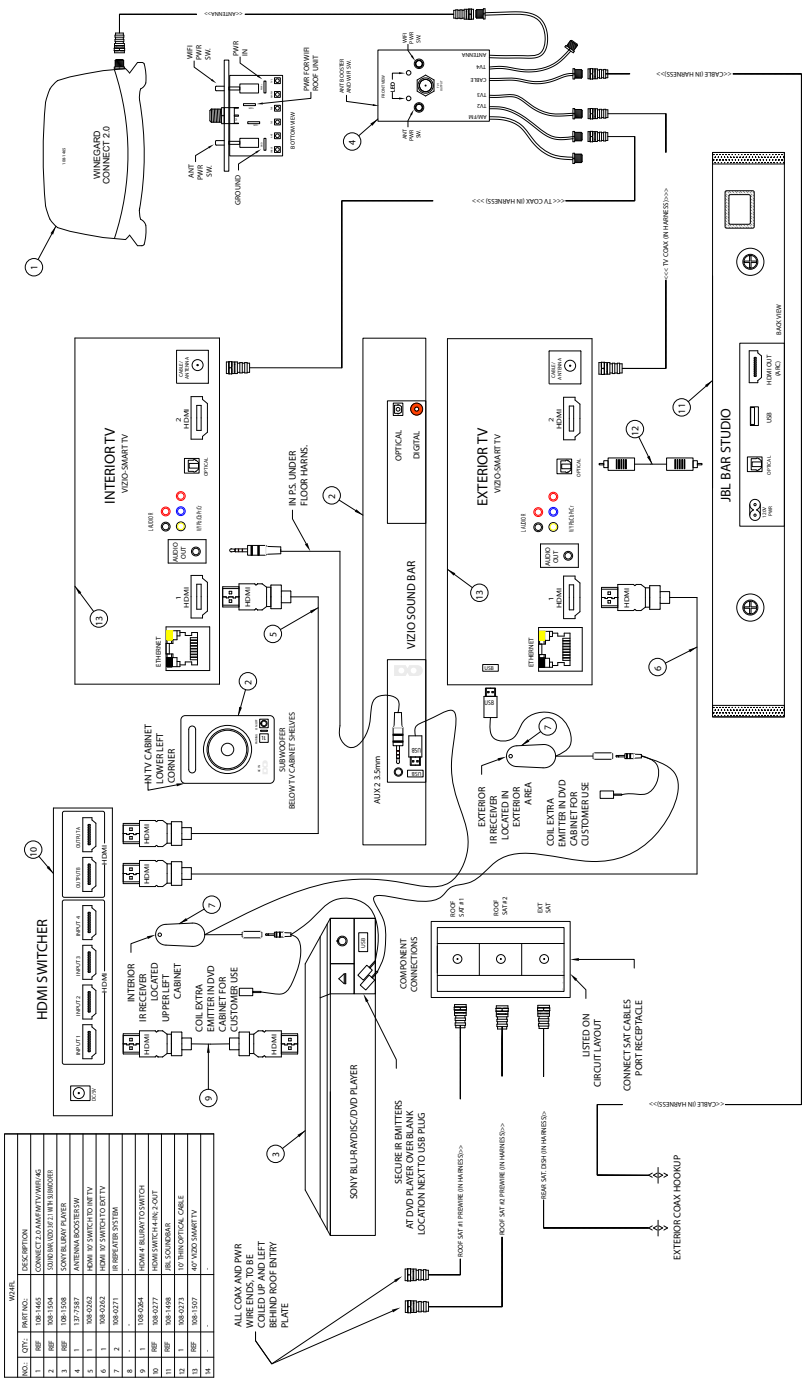
WATER LINES SCHEMATIC



DRAIN LINE SCHEMATIC



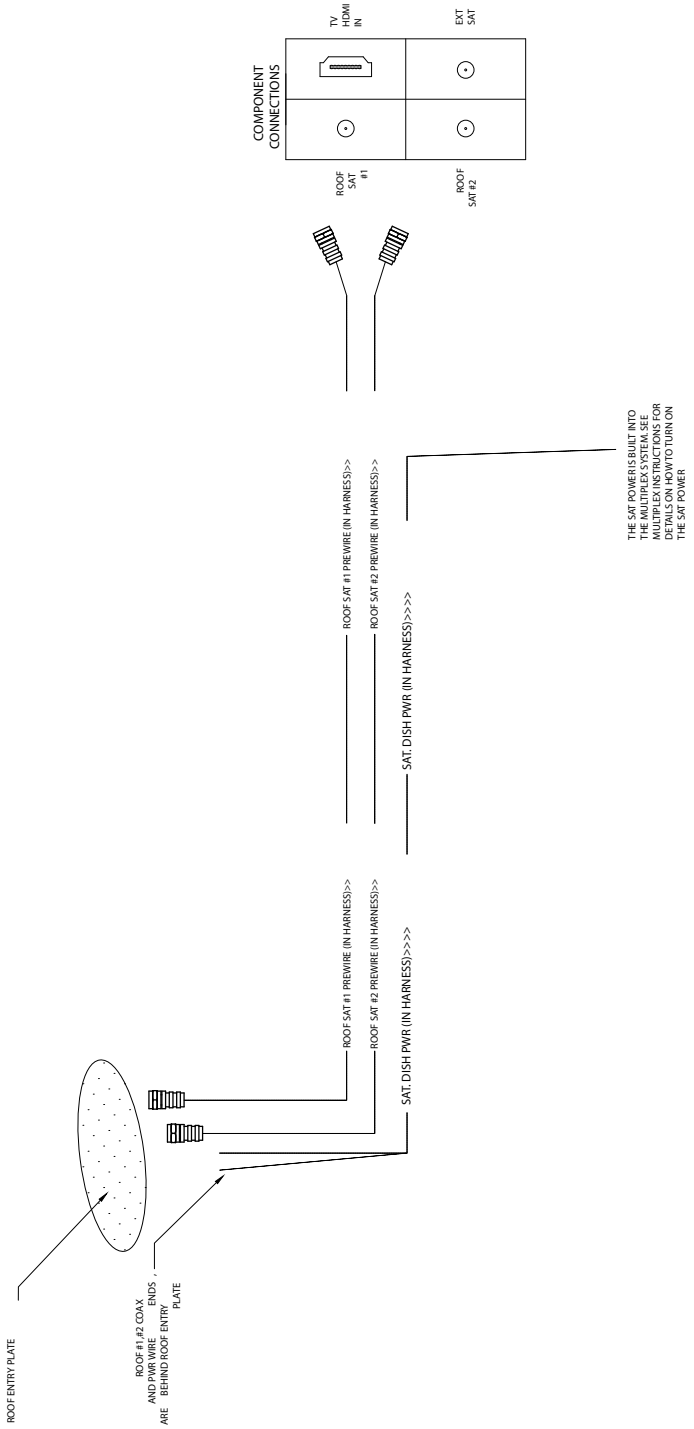
ENTERTAINMENT



NO.	QTY.	PART NO.	DESCRIPTION
1	REF	108-1465	CONNECT 2.0 AM/FM/TV/WIFI/AG
2	REF	108-1504	SOUND BAR (X2) 1 IN TV SUBWOOFER
3	REF	108-1508	SONY BLU-RAY PLAYER
4	1	137-7587	ANTENNA BOOSTER SW
5	1	108-0262	HDMI 10' SWITCH TO INT TV
6	1	108-0262	HDMI 10' SWITCH TO EXT TV
7	2	108-0271	IR REPEATER SYSTEM
8	-	-	-
9	1	108-0264	HDMI 4' BLU-RAY TO SWITCH
10	REF	108-0277	HDMI SWITCH 4-IN, 2-OUT
11	REF	108-1498	JBL SOUNDBAR
12	1	108-0273	10' THIN OPTICAL CABLE
13	REF	108-1507	40" VIZIO SMART TV
14	-	-	-

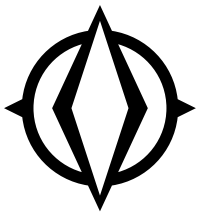
SATELLITE PRE-WIRE

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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