



RS Adventurous

2019 OWNER'S MANUAL



ERWIN HYMER GROUP
NORTH AMERICA
the leisure experience

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Introduction to Your Roadtrek

Congratulations on the purchase of your Roadtrek and welcome to the Erwin Hymer Group NA family. The information included in this manual is meant to help and guide you through the use of your vehicle so that you know how to properly use the many functions your Roadtrek has to offer.

Please keep this manual in your vehicle as a reference for when you are travelling. If you have any questions or comments on information found in this document, please contact us at **manuals@erwinhymergroupna.com**.

Disclaimer

This owner's manual was created to help owners with general use, maintenance and care of their RV. Erwin Hymer Group NA conducts ongoing product development and uses photos from multiple brands and vehicles to create these instructions. The included images may not reflect exact makes and/or models however, the information remains relevant and useful. These instructions are provided as general guidelines only, as certain add-ons or customization to an RV may change the manner these operations are performed.

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References

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Do's and Don'ts

Symbol Legend



Information: Useful information and knowledge.



Warning: Not following this instruction may lead to negative results.



Caution: You should follow this instruction.



Danger: Do NOT perform this action. Doing so may result in injury, severe damage, or death.

Regulatory Warnings

LEVEL	ITEM	INSTRUCTION
	Danger	Do not place propane cylinders inside the vehicle. • Propane cylinders are equipped with safety devices that relieve excessive pressure by discharging propane to the atmosphere. • Propane gas is highly flammable. This action can lead to fire or explosion and result in death or serious injury.
	Warning	Do not use gas cooking appliances for comfort heating. • Can lead to carbon monoxide poisoning, which can lead to death or serious injury.
	Warning	Gas cooking appliances need fresh air for safe operation. • Open vents or windows slightly or turn on exhaust fan prior to using cooking appliance. • Gas flames consume oxygen, which should be replaced to ensure proper operation. • Improper use can result in death or serious injury.

	Danger	If you smell propane: 1. Extinguish any open flames and all smoking materials. 2. Shut off propane supply at the container valve(s) or propane supply connection. 3. Do not touch electrical switches. 4. Open doors and other ventilating openings. 5. Leave the area until the odor clears. 6. Have the propane system checked and leakage source corrected before using again. 7. Ignition of flammable vapors could lead to a fire or explosion and result in death or serious injury.
	Danger	Vehicles and equipment powered by internal combustion engines and placed in recreational vehicles can cause carbon monoxide poisoning or asphyxiation, which could result in death or serious injury. • Do not store, transport, or dispense fuel inside this vehicle.
	Danger	Vehicles and equipment powered by internal combustion engines and placed in recreational vehicles can cause carbon monoxide poisoning or asphyxiation, which could result in death or serious injury. • Do not store, transport, or dispense fuel inside this vehicle.

Information, Cautions and Warnings

LEVEL	ITEM	COMMENT
	Seat Belts	Use only forward facing seats equipped with factory installed seat belts while the vehicle is in motion. All passengers must be seated in these seats only, with the seat belts fastened while the vehicle is in motion.
	TV	Turn the TV off and stow it while the vehicle is in motion.
	TV	The flat screen TV should not be stored inside the Roadtrek in cold temperatures. Remove it to reduce the chance of damage from the cold. Check the Owner's Manual for the TV for storage and operating temperatures.
	TV	To remove the TV, release the bracket on the back of the TV mounting bracket and remove the RCA cables, power supply cable and antenna cable.
	Propane	Do not store propane tanks inside your vehicle. Propane tanks are equipped with safety devices which relieve excessive pressure by discharging gas to the atmosphere.
	Propane	Do not refuel the propane tank to more than 80% of its capacity.
	Propane	The propane tank valve must be closed and all pilot lights, appliances and their igniters must be turned off during refueling of the motor fuel tank and/or the propane fuel tank. Only qualified personnel should refuel your propane tank.

	Propane	Purchase propane from a reputable propane facility. Contaminated propane is a common cause of system failure and is not covered under any warranty.
	Propane	The BBQ quick disconnect is regulated to 10 P.S.I. Please ensure that all devices connected to this are either rated for high "pressure" or have their own regulator. Many grills sold in the United States are "low pressure" (1/2 P.S.I.) and will require an additional regulator to step the pressure down to a useable level. If hooked directly to the BBQ quick disconnect they will be a severe fire hazard.
	Propane Leak Detector	Do not block the air circulation in the area where the Propane Leak Detector is located.
	Propane Leak Detector	Battery disconnect switch must be in the "ON" position for the propane detector to function.
	Flammable Liquids and Gasses	Do not store gasoline or other flammable liquids inside your vehicle.
	Heating	Never use cooking appliances or unvented propane heaters for space heating purposes. They need fresh air for safe operation.
	Heating	The heating furnace provides its own outside combustion air and exhausts to the outside.
	Heating	Portable fuel burning equipment, including wood, charcoal, and liquid fuel grills and stoves, should not be used inside your vehicle. Use of this type of equipment inside your vehicle may cause a fire or asphyxiation.
	Carbon Monoxide Leak Detector	Do not block the air circulation in the area where the Carbon Monoxide Leak Detector is located.
	Carbon Monoxide Leak Detector	Battery disconnect switch must be in the "ON" position for the Carbon Monoxide Leak Detector to function.
	110 V Electrical Servicing	Prior to servicing any 110 V, unplug the output lead from the power inverter.
	Exterior Access Doors	Ensure the shore power cord and city water supply lines are disconnected and in their stored positions before the vehicle is put in motion.
	Awning	Close the sliding side door prior to opening or closing the awning.
	Dining Table	When storing the dining table, secure in place using the snap-on strap.
	Extra Counter Space	Make sure the stove is off and has cooled prior to lowering the stove cover.

	Battery	Battery acid can burn your skin and damage clothing. Protective eye wear and gloves should be worn while handling batteries. Effective June 2010 all Erwin Hymer Group NA installed batteries are sealed AGM batteries that do not require the addition of water.
	Battery	Disconnect the inverter/charger prior to disconnecting the auxiliary battery.
	Generator	The Roadtrek is supplied with an AC generator located underneath the engine. Never submerge the generator. Use a spotter when launching a boat or crossing streams.
	Waste Water Storage and Dumping System	Close the gray water gate valve before using the waste water system.
	Freezing	Under moderate subfreezing conditions, antifreeze is required in the exterior fresh water tank, toilet cassette and gray waste water tank. Use RV antifreeze in accordance with the manufacturer's instructions.
	Electrical Servicing	This unit has a 12VDC, 110VAC and potentially 36-Volt solar system. These systems need to be disconnected before working on them.

Before You Head Out

Your new Roadtrek is ready to go with just a little bit of preparation. To prepare for your first trip, you should:

- Read this manual.
- Contact your dealer with any questions.
- Plan your trip.

Then use this quick checklist:

- The day before your trip:
 - Charge your batteries by plugging in overnight.
 - Cool your refrigerator by turning it on.
 - Chill any beverages in your home refrigerator.
 - Fill your fresh water tank with clean tap water.
- The day of the trip:
 - Load the refrigerator with cold food (from your home refrigerator).

Coming Home

When you come home, there are a few maintenance tasks you should do to get your Roadtrek ready to go for next time. Refer to other sections in this manual for the procedures listed here.

- On your way home, dump the gray and black tank at a convenient facility. See the HOWTO: Waste Water Dumping on the consumer website for a concise description of the procedure to do this. Some RV parks and gas stations will let you dump for a fee, some city wastewater plants will let you dump for free but there is no real pattern, so local knowledge is vital in locating dump stations. The website <http://www.sanidumps.com> is a good resource. The maps for each state and province are

Especially helpful: <http://www.sanidumps.com/maps/help.php>

- At home, flush the water tank and fill it with fresh chlorinated water if you will be using it in the next few days. Otherwise, drain the tank. Don't let water you are planning to use sit in your tank for more than a week or so, and don't let any water sit in your tank for more than two weeks, whether you plan on using it or not. Over time, the chlorine goes away and the microbes come out to play.
- To flush the tank, fill it using the fill port in the driver's side rear panel and open the fresh water tank drain under the tank at the rear of the Roadtrek.
- Plug in overnight to fully charge batteries.
- Turn off and clean out the refrigerator and prop the door open to let it air out.
- Turn off two important switches on your monitor panel to keep from draining your batteries:
 - The battery disconnect switch.
 - The inverter switch.
- If you turn everything off and you have solar panels, the panels will keep your AGM coach batteries topped off while your Roadtrek is parked. If you have optional EcoTrek Lithium battery packs, they must be left on to receive a charge from the solar panels.
- Park your motorhome outside for optimal solar panel charge to your motorhome batteries.
- If you don't have solar panels, it would be prudent to check your coach battery state of charge every month or so and charge them as needed. If you don't turn everything off, even with solar panels, you will probably come back to dead batteries.

Interior Living Space

Cabinets and Galley Drawers

Your Roadtrek is equipped with cabinet latches which prevent the door from opening while the vehicle is in motion. The pushbuttons on the cabinet latches toggle from latched (button in) to openable (button out) by pressing the button. (Pictures 13.1, 13.2)

To open a cabinet, press the button to release the latch, pull gently on the latch, and the cabinet door will open.

To close a cabinet, make sure the latch is still open (button out), then close the door. Once the cabinet door is closed, press the latch button in to lock the cabinet.



Do not attempt to close the cabinet doors while the latch button is pressed in. This will break the latch. Always make sure the button is out before attempting to close a cabinet door.



It is not recommended to keep large, round, and/or heavy objects in a cabinet unsecured as they may roll around and apply excessive pressure to the inside of the cabinet doors as you drive. The objects may shift position with vehicle motion and cause injury when the cabinets are opened. For this reason, Ewin Hymer Group NA recommends that you are aware of the objects that you store in overhead cabinets.

If you load a large amount of weight into a cabinet, experience large swings in temperature or humidity, ride on bumpy roads at high speeds frequently, or sometimes as part of normal wear and tear, the cabinet hinges may go out of adjustment. You will know the cabinet is out of adjustment when it will not open with the button out, or not latch with the button in.



Picture 13.1



Picture 13.2

Cabinets and Galley Drawers (Continued)



Picture 14.1

Apply Moderate Upward Pressure and Gentle Outward Pressure with Both Thumbs on the Bottom Corners of the Door to Open a Stuck Cabinet.



Picture 14.2

Turn Screw Clockwise to Lower Cabinet Face (if it Won't Latch), Counterclockwise to Raise It Up. (If It Won't Open)

To open a cabinet stuck shut with the button out, apply pressure UPWARD with your thumbs on both bottom corners of the cabinet door while simultaneously applying gentle pressure to open it, as shown above left. (Picture 14.1)



DO NOT FORCE THE DOOR OPEN BY PULLING OR PRYING ON IT - you will break the latch.

The screw in the top part of the hinge nearest the pivot point adjusts the vertical location of the door. Screw out to raise the door and fix stuck doors; screw in to lower the door and fix doors that won't stay shut when latched. (Picture 14.2)

Beneath the galley countertop there are drawers to the left and right of the food preparation surface. Below these there are two shallow drawers below the center panel and the top right drawer. The spice rack is the tall narrow drawer below these and between the refrigerator and the convection oven. All these drawers have conventional non-locking knobs, and a friction closure mechanism to secure them while the Roadtrek is in motion. Make sure they are completely closed before driving.



The center panel beneath the countertops in front of the sink is fixed and is NOT a drawer; do not attempt to open it.



You may need to adjust the friction closure from time to time.

Lights

The circular ceiling lights are all individually controlled, and are tap lights - to turn them off or on, press on the lens area. (Picture 15.1) All lights are 12-Volt lights, so the battery disconnect switch must be in the on position for any of the lights to work. They work whether the inverter is Off or On.

The lights have LED bulbs, which use less power and are cooler than typical incandescent bulbs.

Tables

All table images are located on page 16 of this manual.

There are front and rear tables to use either the front or rear lounge areas for dining, playing cards, or computer use. (Pictures 16.1, 16.4)

Note – All table leg floor plates come with covers, remove and store in a safe place before inserting T-Nut into floor plate.

***Note – Do not force the T-Nut into the slot. If it is setup correctly it will lock into place with little effort. If not clean out receiver and attempt setup again.**

The front table top is stored behind the driver's seat. The rear tabletop is stored under the driver's side rear bench seat, and both table legs are stored in the wardrobe to the right of the washroom. (Picture 16.3) The rear tabletop is stored under the driver's side rear bench seat, and its leg is also stored with the front leg in the cabinet to the right of the bathroom.

To install either table, unscrew the T-nut in the end of the table leg completely, insert it into the slot in the floor socket, and rotate clockwise until the table leg is tight. Place the table top on the leg. (Picture 16.2) If table leg does not secure after 2-3 rotations, make sure T-Nut is fully extended.

The front table has four leaves that fold out and snap into place. To fold up, press the hinge flat while folding the leaf.



Picture 15.1

Tables (Continued)



Picture 16.1

Front Table in Position.



Picture 16.2

Table Legs Stowed.



Picture 16.3

T-Nut.



Picture 16.4

Rear Table in Position.

Front Captain's Seats

There are three adjustments on the outboard side of each front seat: the knob in front raises and lowers the front of the seat, the lever where the back and base of the seat join raises and lowers the back of the seat, and the knob above that on the seat back reclines the seat back. (Picture 17.1) The lumbar support adjustment is on the inboard side of the seat. For the full range of adjustments on the front seats, please refer to the Mercedes Sprinter manual. (Picture 17.2)

To swivel the front seats, locate the swivel lever positioned in the rear of the seat, and move the control sideways against its spring to release the lock and swivel the chair.

To move the front seats to their desired fore and aft position, pull up on the bar located under the front of the seat. Release the bar to lock the seat in place.



Picture 17.1

Outboard Front Seat Adjustments.



Picture 17.2

Lumbar Support Adjustment on
Inboard Side of Seat.

Front Captain's Seats (Continued)

The rear seat fore and aft adjustment is a lever extending forward at the front right corner of the seat base. Push this lever to the left (driver's) side of vehicle, and slide the seat. (Picture 18.1) The swivel lever for the rear seat is on the right (passenger) side of the base. (Picture 18.2) Push it backward to release the lock and swivel the seat. (Picture 18.3)



Picture 18.1

Front Seat Swivel Control.



Picture 18.2

Rear Seat Swivel Control.



Picture 18.3

Rear Seat Fore and Aft Adjustments.



Always return the seats to the forward-facing position when driving - the seats will lock in place as you swivel them to face forward.



If the front are not facing forward and locked in place, your motorhome engine will not start.

To create a front lounge area, first bring the backs of the seats to their upright position. Do not attempt to pivot a reclined seat. Use the fore-and-aft adjustment while pivoting the seats to allow the sides of the front chairs to clear the armrests on the vehicle doors and other obstructions. Do not force the seats around. Swiveling the front seats is easier if you open the doors and/or loosen the tilt steering wheel adjustment and move the steering wheel as far forward and up as possible. Slide the rear seats forward before attempting to pivot them, then slide them back once pivoted.

Blinds

The blinds in your Roadtrek can be drawn for either shade or privacy.

The blinds on the side and back windows of the Roadtrek have a partially opaque, "shade" window covering, as well as a completely opaque, "dark" window covering. (Pictures 19.1, 19.2) Pull the blinds down for the "shade" window covering, and then pull the bar above this first section of blind material down to bring the "dark" section over the windows to sleep or for privacy at night. The blind above the galley area is an easy-to-clean metal blind which will also close completely for privacy



Picture 19.1

Opaque Window Covering.



Picture 19.2

Shade Window Covering.

Ventilation

Your Roadtrek is equipped with a ceiling mounted ventilation fan. (Picture 20.1)

The fan has a cover that must be raised by turning the large knurled knob. Raise the cover, then use the remote to the desired speed and temperature.

There is also a fuse in the body of the fan, in addition to the fuse in the distribution panel. Check both fuses if your fan stops working. Check both this fuse and the one on the 12-Volt fuse panel if your fan stops working.

Instant Hot Water Dispenser

If so equipped, the instant hot water dispensing system is in the cabinet below the microwave convection oven. The replaceable filter is access inside this cabinet. (Pictures 20.2, 20.3)



Picture 20.1

Ceiling Ventilation Fan.



Picture 20.2

On-Demand Hot Water
System Filter.



Picture 20.3

Galley Drawers.

Sleeping Facilities

Your Roadtrek has sleeping capacity for up to four people, two in the front of the vehicle with the optional front bed cushions, and two in the rear of the vehicle.

Sofa Bed



Picture 21.1

Sofa Switch.



Picture 21.2

Sofa Upright.

You can configure the rear bed as a King or 2 Twin beds depending on your preference or requirements.

You begin by lowering the sofa. (Pictures 21.1, 21.2)

To lower the sofa please follow these steps:

- Remove any heavy or bulky objects from the sofa
- Clear the space in front of the sofa.
- Check underneath the sofa for objects that may be caught in the sofa as it moves.
- Push the center seatbelts back through the sofa, between the seat and the back cushions, so the seat belts end up underneath the sofa.
- Locate the power sofa switch under the television on the passenger side rear cabinet face.
- Push down and hold the bottom part of the switch until the sofa is completely flat.

Twin Beds

You create two twin beds by lowering the sofa. The sofa makes a continuous sleeping surface with the two bench seats, leaving the center aisle to make it easy to get in and out of bed. (Picture 22.1)



Make sure that there are no obstructions in the travel path both above and below the sofa.



Do not ride the sofa while it is moving.



Picture 22.1

Twin Beds.

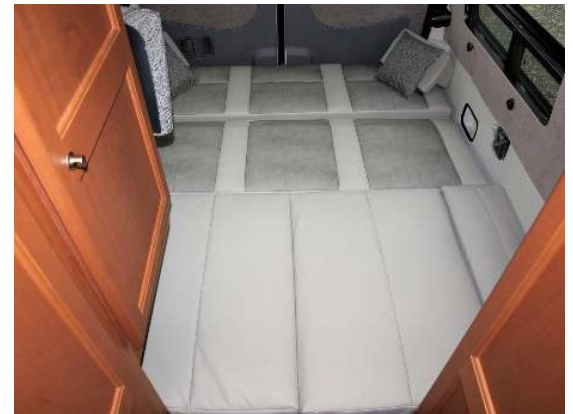
King Bed

Once the sofa has been lowered fully, please use the following steps to make create a king bed configuration.

- Locate the panel under the bench cushions on the passenger's side, and slide it out into the open space between the two side bench seats. Secure it into the notches on the inner surface of both bench seat bases.
- Reposition the bottom cushions of the side bench seats over this panel so they are side by side.
- Place the long thin vertical bench seat cushions in the empty space between the wall and the larger bench seat cushions. (Picture 22.2)



When you raise the sofa put the seat belts back in position. To do this, open the back door of the vehicle and push the seatbelts through the sofa between the seat and back cushions. NEVER use the rear seats for passengers without seatbelts.



Picture 22.2

King Bed.

Front Seat Beds

The captain seats located on the passenger side of the vehicle can be configured into single bed arrangements with the optional folding mattress. (Picture 23.2) Use the following procedure to create this single front bed configuration. If you have both folding mattresses, the short one goes on the driver's side.



Picture 23.1



Picture 23.2

- Lower the front seat base as far as possible. To do this, look on the outboard side of the front seat, and you will see three knobs. (Picture 23.1)
- Turn the front seat base height knob clockwise until the front of the seat base is as low as possible.
- Push down on the rear seat base height lever until the back of the seat base is as low as possible.
- Use the recline knob to put the seat back in an upright position.
- Turn both passenger side captain seats around so that the backs of the chair are outboard, towards the doors, and the seats face the aisle. You will have to slide the rear seat forward before you can swivel it. Slide both seats all the way back in their tracks - as far toward the doors as possible.
- Push the tab in the mattress between the two seatbacks. (Picture 24.1)
- Open the optional folding mattress across the seats.
- Pass the hook-and-loop straps behind the seatbacks to hold the mattress in position. (Pictures 24.2, 24.3, 24.4)

Front Seat Beds (Continued)



Picture 24.1

Mattress Tab Between
Seat Backs.



Picture 24.2

Pass Hook-and-Loop
Strap Behind Seatback.



Picture 24.3

Hook-and-Loop Strap
in Place.



Picture 24.4

Passenger Side Folding
Mattress in Place.

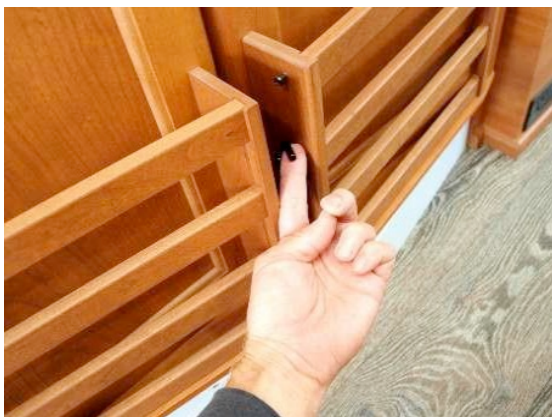
Bathroom Facilities

Your Roadtrek is equipped with a permanently enclosed bathroom that includes a sink and a stand up or sit down shower.

Securing Bathroom Door

The bathroom doors are secured by a latch and pin system. To secure the doors for driving:

- Close the left-hand door first, followed by the right.
- Engage the door stops at the top of the doors.
- Push the pin down so that it engages behind the lip at the front of the bathroom door. (Picture 25.1)



Picture 25.1

Using the Toilet

The bathroom in your Roadtrek contains a marine type toilet. To secure the doors once inside, use the inside latch. (Picture 26.1) To flush the toilet, use your foot to press the foot pedal located at the bottom of the toilet, then release the foot pedal. (Picture 26.2) Do not use toilet paper which will clog your black water tank and waste water pump - use only paper which will disintegrate easily when it gets wet.

Shower

Using the Shower

- Unscrew the drain stopper in the center of the bathroom floor. (Picture 26.3)
- If the shower hose is disconnected, connect it to the threaded fitting behind the sink faucet handles. (Picture 27.1)
- Release the Velcro loop fastener straps retaining the shower curtain.
- Slide the shower curtain along its track to enclose the shower space.
- Once ready, pull up on the knob located between the sink faucet handles to start the flow of water
- Adjust the water temperature as needed using the cold and hot water knobs on the sink faucet



Picture 26.1

Inside Latch and Toilet Paper Holder.



Picture 26.2

Toilet Flush Pedal.



Picture 26.3

Shower Drain Stopper

Shower (Continued)

After Showering

- Turn off the water using the hot and cold knobs on the sink faucet. (Picture 27.1)
- Push the knob located between the sink faucet back down to switch the flow of water back to the sink faucet
- Return and screw down the drain stopper in the center of the bathroom floor (this is important as it stops the content of the grey water tank contents from sloshing into the shower area while the vehicle is in motion)
- Dry the shower curtain with a towel or allow it to air dry before storing it. (Picture 27.2)



Picture 27.1



Picture 27.2

Appliances

TV and Home Theatre System

Your Roadtrek is equipped with a 120-Volt TV and home theatre system with remote control for your enjoyment and viewing pleasure. To generate power to these appliances, you must turn on the inverter, connect to shore power, or run the generator if so equipped.

Antenna and Cable Connections

There are two antenna connections in the cabinet above the DVD player. One is labeled for the antenna, the other for cable TV. Connect the cable to the appropriate jack. There is a button on the antenna, which when pushed amplifies digital broadcast signals. When pressed, it lights up red to do so. **Important: When not being used it should be turned off to prevent power draw on the batteries.**

Controlling the Rear Speakers

The surround sound system offered in your Roadtrek allows you to control the rear speaker sound in your vehicle. Locate the speaker switch which can be found in the cabinet above the home theater system. (Pictures 28.1, 28.2)

- Surround Setting: Allows back speakers to function as part of the TV/home theater system
- Off Setting: Turns the rear speakers off
- Automotive Setting: Connects the rear speakers to the front dash radio



If you are experiencing problems with your TV reception while using the over-the-air antenna, check the connection to the antenna system booster located in the cabinet above the home theatre system is plugged in.



If power is getting to the antenna, an indicator light both on the antenna itself and on the connection located in the cabinet will be illuminated.



Picture 28.1

Rear Speaker Control Switch.



Picture 28.2

TV Antenna and Cable Connections.

Hot Water



You have a water heater powered by propane, which also requires 12-Volt power to operate. Turn the battery disconnect switch on and ensure that you have propane in your tank and the main valve on the propane tank is on before turning the water heater on at the control panel.



The red indicator light will be on briefly until the burner lights. If the red light comes on repeatedly, either the unit is not functioning correctly or is not being supplied with propane.

Make sure the water heater is full of water before turning on the burner.

The water heater can heat the six gallons to a useable temperature in fifteen minutes or less. (Picture 29.1)

Always turn the water heater off when the vehicle is in motion - the airflow will interfere with the proper functioning of the burner, and create an unsafe condition.



Picture 29.1

Water Heater Below
Microwave Oven.

Refrigerator

The refrigerator in your Roadtrek is a 12-Volt DC/120-Volt AC compressor refrigerator that switches automatically between voltages.

The temperature control for the refrigerator is located to the right of the freezer.

To open the refrigerator, gently push down on the latch located on the upper righthand corner of the refrigerator to release the retaining pin and pull the door towards you. (Picture 29.2)

Do not block the vent between the galley cabinet top and the window. This vent must be unobstructed for the refrigerator to work properly.



Picture 29.2

Refrigerator Latch.

Microwave Convection Oven

The microwave oven is a standard microwave convection oven operating on 120-Volt AC. To power the microwave, you either turn your 3,000-Watt inverter on, plug into shore power, or start your optional propane or underhood generator.



The microwave is a standard microwave convection oven. It operates much the same as the microwave at your house. By comparison to residential units, most RV microwaves are lower powered, so cooking times may need to be increased. You must have 120VAC power available to use the microwave.

Propane Cooktop Stove

The propane stove requires ventilation while in use. Make sure you have a window open and the ceiling fan cover open slightly. Do not use the propane cooktop for heating the interior of the Roadtrek - carbon monoxide poisoning will result. The main valve on the propane tank must be open for the cooktop to work. The battery disconnect switch must be on for the burner igniters to work - they use 12-Volt electrical power. The igniters light both burners. (Picture 30.1)

For instructions on how to use this appliance, please refer to the cooktop stove manual.

Inductive Cooktop Stove

The induction cooktop stove requires special induction ready cookware, which can be purchased anywhere cookware is sold. Since the induction stovetop depends on magnetic material to produce heat, copper, stainless steel, or aluminum cookware will not get warm. (Picture 30.2)

***Note - If your Roadtrek is equipped with the optional induction cooktop stove, your kitchen galley will have its own dedicated 3,000W inverter. This inverter will power the induction stove and the convection/microwave oven.**

The inverter will either be located at the bottom of the kitchen galley behind the right-side door, or in the back under the power sofa on the opposite side of the coaches inverter.

For instructions on how to use this appliance, please refer to the Inductive cooktop stove manual.



Picture 30.1



Picture 30.2

Outside Your Roadtrek

Awning

Your Roadtrek is equipped with an easy to use power roll up awning. To use the awning please follow these steps:

- Check for tree branches and other obstructions.
- Press the switch inside the passenger side front door, above the doorframe to extend the awning and lower the supports on each side. (Pictures 31.1, 31.2)
- Once extended, secure the supports to the two attachment points on the side of the vehicle or to the ground with the pins provided.



Please read the awning manual before you start. You need to know how the supports are attached and how to secure the awning. The steps here are meant as an indication of what is needed.

To stow the awning:

- Detach the supports from the attachment points.
- Retract the awning using the power switch

Refer to the awning manual for proper methods of deploying and securing the awning.



The awning is only powered when the ignition switch is off. To use the awning, turn off the ignition.



Never leave your awning extended when you are away from your vehicle as awnings are susceptible to damage from heavy rain and wind. Stow the awning when bad weather is approaching.



Picture 31.1

Awning Switch Above Front Passenger Seat.



Picture 31.2

Awning Support Attachment Point.

Exterior Step

Your Roadtrek is equipped with a step that automatically extends when the side door is opened for easy entry and exit out of your vehicle. With the step switch on, the step will extend once when the door is open and remain extended even if the door is closed. With the switch off, the step will extend and retract every time the door is opened and closed. (Picture 32.1, 32.2)



For safety reasons, the step will automatically retract when the ignition is turned on, even if the step switch is on. This is to prevent damage caused by driving with the step extended.



Picture 32.1

Step Switch.



Picture 32.2

Step Extended.

Rear Door

The rear doors of your Roadtrek have the ability to open all the way so they fold against the sides of the vehicle. To open the doors to their fullest extent;

1. Open the door to 90 degrees.
2. Close them slightly to relieve some of the tension on the door bar.
3. Pull out the curved door bar by the tail light assembly and fold it back against the door.
4. To close the door, flip the door around and it will automatically engage as you close the door. (Picture 33.1)



There are magnetic door stops on the back of the door and on the side of the vehicle which prevent the door from swinging shut from its own weight. (Picture 33.2)



Picture 33.1

Rear Door Retaining Bar.



Picture 33.2

Rear Door Magnet.

Rear Door Screen

As an option, some Sprinter Roadtrek's have a rear screen which will allow you to open the rear doors and get fresh air without bugs coming in. Look for this screen in the hanging wardrobe behind the bathroom in your new Roadtrek. It attaches to the rear door frame with a zipper and hook-and-loop fasteners.

Open the screen and locate the two tabs on one edge. (Picture 34.1) This edge is the bottom, and the tabs snap onto the rear seat belt anchors. Fasten these two snaps on each anchor and use the hook-and-loop strips on the screen to attach it across the bottom of the door opening. (Picture 34.2)

Start the zipper at each bottom corner by pushing the bottom stop (the metal end) of the zipper into the two back-to-back zipper sliders, and zipping the top slider upward. (Picture 35.1)



Picture 34.1

Rear Screen Tabs.



Picture 34.2

Rear Screen Lower Hook
and Loop Fastener.

Where they meet at the top, there is a flap which will close with a hook-and-loop fastener strip. (Picture 35.2)

Because of the double slider arrangement, the bottom of the screen can be unzipped to allow access to the underbed storage area in the back of the Roadtrek without disturbing the top section. (Pictures 35.3, 35.4)

Rear Door Screen (Continued)

To remove and stow the screen, unzip it from the top down. Unzipping it from the bottom will not allow you to remove it from the doorframe surround.



While sturdy enough to keep insects out, this screen is not designed to resist repeated and persistent attempts by pets to get out of the vehicle. Do not leave your pets unattended with the screen in place and the doors open. They may take themselves for a walk.



The screen is not intended for use as a cargo net or any sort of restraint system.



Picture 35.1

Rear Door Screen Zipper.



Picture 35.2

Rear Door Screen Hook
and Loop Fastener.



Picture 35.3

Rear Door Screen in
Place.



Picture 35.4

Access to Storage While
Screen is Deployed.

Outside Shower

On the driver's side near the rear, there is a rectangular compartment which houses the outside shower. (Picture 36.1) Like the inside shower, this will provide hot and cold running water should you choose to shower outside. Use the brass auxiliary key which came with your Roadtrek to unlock the compartment door. When finished, coil the hose back up so that it and the shower head fit inside the compartment.



Picture 36.1

Outside Shower Compartment Open,
Showing Hose, Faucet, and
Showerhead.

Utilities

Just like your house, your Roadtrek has fresh water, electricity, waste water disposal, heating and cooling systems. In the Roadtrek, these systems are self-contained and travel with you.

Fresh Water

Fresh water is contained in two tanks, called the exterior and interior tanks. The interior tank drains into the exterior tank. The two tanks are interconnected and act as a single reservoir. Being outside the coach, it is exposed to the elements, so it is susceptible to freezing.

The fresh water fill is in the door post of the front passenger door, near the door handle. Look for the orange plug in the fill port. (Picture 37.1)



Do not run the hose bib wide open. Fill the tank slowly.

Both tanks are filled from the interior tank port - water will flow from the interior tank down into the exterior tank as you continue to run water into the interior tank fill port. When both tanks are full, water will overflow out of the fill port.



Picture 37.1

To fill the tanks and use the water from the on-board tanks, make sure the city water valve remains closed



Erwin Hymer Group NA recommends that you use a dedicated single purpose potable-water hose. These are usually white in color. Buy a new one and use it only for filling your tank and connecting to city water. View any hose lying around a campground with extreme skepticism, especially if there's a wastewater dump nearby. Large RVs use hoses to flush their wastewater system. Always flush the faucet and hose thoroughly before use.

City Water

Your Roadtrek can operate in either fully self-contained mode or can be connected to a water supply such as a campsite's faucet. If your city water connection has the words "Pressure Regulator" on it, you do not need an external regulator. If you're unsure, use an external regulator.



Campgrounds and municipalities vary greatly in supplied water pressure. Before connecting to external water supplies, purchase and install a pressure regulator (if needed) in-line with the water connection.



If you have any doubts about water pressure or don't have a regulator with you, you can always just fill your fresh water tank using the gravity fill, and use your water pump to supply water.

The city water inlet connection is located in the front utility bay just behind the driver's side front tire. (Pictures 39.3)



Roadtrek recommends that you use a dedicated single purpose potable-water hose. These are usually white in color. Buy a new one and use it only for filling your tanks and connecting to city water. View any hose lying around a campground with extreme skepticism, especially if there's a wastewater dump nearby. Large RVs use hoses to flush their wastewater system.

To connect the Roadtrek's water system to an outside source:

- Turn the water pump off.
- Close the city tank fill valve by turning the handle to the vertical position. (Picture 39.1)
- Close all interior faucets.
- Flush old water and any contaminants out of the water supply faucet.
- Connect your fresh water hose to the faucet.
- Attach your pressure regulator to the Roadtrek's city water connection.
- Attach a fresh water hose to the pressure regulator. (Picture 39.3) If your motorhomes city water connection looks like (Picture 40.4), you do not have an in-line regulator and one will need to be purchased.
- Slowly open the faucet of the city water source.
- The city water connection by-passes the water pump and fresh water tank. Therefore, the use of these items is not necessary when connected directly to an external water source.

City Water (Continued)

To disconnect the city water connection:

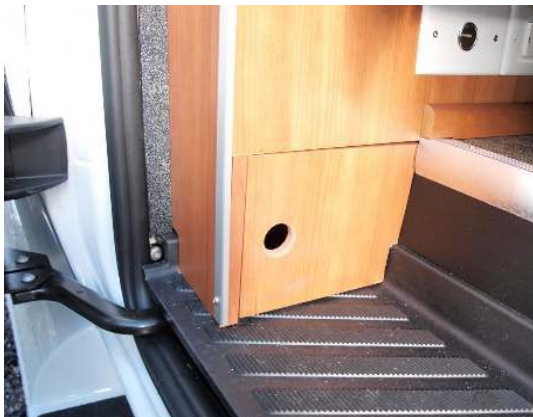
- Turn off the external water source.
 - Open a faucet to relieve the pressure in the system. Failure to do so will not damage your vehicle, but may result in an unexpected shower. The galley sink is a convenient place to do this.
 - If you used the City valve to fill the tanks, close it.
 - Remove the hose from the city water connection, and replace the cap on the fill connection.
-  If you hear your pump running and water pressure is low inside the vehicle after disconnecting from an external water source, it is because you have not properly positioned the city water valve. Make sure the black plastic handle is vertical, and perpendicular to the water line when your water system is in self-contained mode.

See HOWTO: Potable Water Use for more information on your fresh water.



Picture 39.1

City Water Valve, Shown Closed. (Water is Taken From on Board Tanks).



Picture 39.2

Valve Access Panel, on Left End of Side Door Opening.



Picture 39.3

City Water Connection with Built in Pressure Regulator.

Waste Water

Sink and shower drain water drains into the gray water tank; the black water tank contains the material flushed down the toilet. The shower and sink have traps to prevent tank odors from entering the living space. Be sure to replace the screw-in plug in the shower floor after use to prevent gray water from sloshing up into the shower pan from the gray water tank while driving. (Picture 40.1)

The gray and black water tank level indicators on the control panel will give you an approximate indicator of your tank levels.

See HOWTO: Monitor Panel for more information on indicators.

When the gray water tank is full to capacity, water will no longer drain down the shower and sink drains, and you need to dump the tanks before running any more water. If you see fluid below the toilet valve in the bowl of the toilet, your black water tank is full and also needs to be emptied before further use.



Do not throw any paper towels, personal wipes, rags, baby wipes, tampons, hairballs, etc. into the toilet. The waste water pump is not capable of handling these types of solids and may jam or be damaged. Use toilet paper intended for RVs or septic systems.



If in doubt, take a tissue, and leave it in a glass of water. Stir with a spoon a couple of times. If it falls apart into a gooey slurry after a few minutes it's safe for your tank. If it stays together, swells up, or clumps into a solid mass, it's not safe and should be disposed of in the trash and not down the toilet.

See HOWTO: Waste Water Dumping for more information on dumping.



Picture 40.1

Heating and Cooling

Heating

The standard heater for your Roadtrek is a Suburban propane furnace, located on the passenger side of the aisle beneath the side bench. (Picture 41.1) The furnace is controlled by the thermostat, above the rear side window. (Picture 42.1) Select "Furnace" and the desired temperature. The fan on the furnace will continue to run for a minute or two after the furnace is turned off - this is controlled by a heat sensor on the combustion chamber in the heater, and is normal.

If your air conditioner is equipped with a heat strip, the setting "Heat" will also appear on your thermostat, along with "Furnace". This heating strip will heat the coach when power is supplied either through a generator or shore power. It uses approximately 1000 watts, so it will not function for very long off the coach batteries.



Picture 41.1

Propane Furnace.



This does not provide any protection for the pipes and faucets in the rest of the Roadtrek. To protect these, perform the winterization procedure.



"Never Block or Obstruct the Air Ducting When Operating Your Furnace." (Picture 41.1)



"Never Block or Obstruct Your Furnace From the Exterior. This Area is Very Hot During Operation." (Picture 41.2)



Picture 41.2

Propane Furnace Exterior View.

Cooling

The roof-mounted air conditioner in your Roadtrek will provide cool air while camping, and will also operate while driving, if you have the optional engine generator.

Do not operate the air conditioner while driving with the propane generator.

Refer to the air conditioner manual for details of use.

Thermostat

The thermostat controls the air conditioning unit and propane furnace. (Picture 42.1) To run the air conditioner, set the thermostat on "cool" and set the desired temperature.

Some models also have a small heat strip in the air conditioning which will blow warm air, but this produces heat directly from electricity and is not recommended for heating the Roadtrek cabin for extended periods of time unless you are attached to shore power or running the engine or propane generator. For all other circumstances, use the propane-fueled furnace or the optional Alde systems to heat the cabin. If your unit has the heat strip option, you can operate it by turning the thermostat to "heat" and setting the desired temperature.

The third setting, "fan", recirculates cabin air using the fan inside the air conditioning unit.



Picture 42.1

Optional Alde Hot Water and Radiant Heating Combination System

The optional diesel fired Alde heating/water heater combo system is controlled by the Alde monitor panel. (Picture 43.1) The water heater has a 2.2 Gallon capacity.

The monitor panel is located on the passenger side behind the closet near the switch for the power sofa.



Picture 43.1

Alde Diesel Furnace Heater/Hot Water Controller.



Picture 43.2

Alde Diesel Furnace Air Circulation and Summer Pump Mode Control Panel.

The diesel portion is controlled by the Alde combination heating/hot water heater thermostat located on the passenger side behind the closet near the switch for the power sofa. (Picture 45.1) The system utilizes diesel and 12-volt power. The system can be used without shore power or generator use.



Keep the areas in front of the convector vents clear of any obstructions when using the system to allow for proper air circulation.

The system can operate when outside temperatures are below freezing. The system uses fans to circulate the air throughout the coach.

The Alde system has a 2-speed fan control operation. To control the fan speed, use the Alde air circulation fan switch located on the driver's side at the rear of the kitchen galley. (Picture 45.2)

For detailed information on this appliance, consult the Alde Appliance Owner's Manual.

Electrical System

Batteries

AGM

The standard batteries in your Roadtrek are sealed AGM (absorbed glass mat) batteries. Do not attempt to open them. There is no user maintenance possible on these batteries except keeping them charged - you never have to add water to them.



Do not add water to the batteries. Do not attempt to open them. There is no user maintenance possible on these batteries except keeping them charged.



Battery maintenance, i.e. keeping the batteries charged, is the responsibility of the dealer while the vehicle is unsold, and the responsibility of the owner once sold. Roadtrek does not cover warranty replacement of the batteries for lack of maintenance.

Roadtrek places the coach batteries under the hood, but the actual chassis battery that powers the engine, headlights, etc. is under the driver's floor. Mercedes has created jumper cable points under the hood in case you have to jump your battery to get your engine started. Use these. They will start your engine - jumping the coach batteries won't, and will probably damage your inverter and other sensitive electronic components in your Roadtrek.



Do NOT attach jumper cables to the 6-Volt coach batteries under the hood on the driver's side. Attaching a high amperage 12-Volt power supply to a 6-Volt battery is very dangerous. Use the Mercedes jumper attachment points instead.

Lithium Batteries

Each EcoTrek 200 lithium battery bank has its own control. A single switch controls one EcoTrek 200 battery bank and will have one push button switch at the bottom and one rocker switch at the top of the panel. (Picture 45.1) An EcoTrek 400 will have two sets of switches, and so on. (Picture 45.2)

The lower push button switch turns on the bank. In normal operation, this switch should always be on. This powers the battery management system, which manages all functions of the EcoTrek 400 system, including charging, voltage protection, and the battery heaters when it gets cold.

The battery management system will turn off the batteries when they are run down to near empty. The system will still accept charge, but will no longer provide power.

Note – If full battery power is not necessary, you can run your coach by using one of the battery banks while leaving the other battery bank off therefore preserving and extending your battery life cycle.



Picture 45.1

Jump Starting an EcoTrek 200 Module; Note the Left Bank Is Off.



Picture 45.2

EcoTrek 400 Dual Controls.

Turning On the Batteries

Press the lower rocker switch to turn it on. If the batteries don't come on right away (the blue indicator light does not come on) press the reset button until you hear a click from the battery bank. Release the reset button to power up the Battery Management System. As a rule of thumb, when you turn on the batteries, also press the reset button as well. It will reset the management system that maintains the health of the batteries.

If the Batteries Are Depleted

Unplug from shore power. Turn off inverter. Start the engine. Allow about 30 seconds for the batteries to start. If necessary, press the RESET button on top of the panel. Once the batteries are on, plug into shore power and turn on the inverter, if desired turn off the engine.

When not in use, turn the batteries off. When storing the batteries for extended periods, charge them overnight first.



In cold weather, the battery management system will start the battery heaters first to warm up the batteries. Depending on the temperature, it could be a while until the batteries are at a temperature where they can be charged.



If you have more than one EcoTrek 200, and all have been depleted, start one first, allow it to charge for 30 minutes or an hour, then bring up the others. The current draw is the highest at the start, and this allows the charging system to keep up. Strictly speaking this is not necessary, but it is a useful guideline.



If you store your Roadtrek in cold weather, leave the EcoTrek batteries on and plug in so that the battery management system can continue to heat and charge the batteries as needed.

Jump Starting Your Engine

To use jumper cables, please refer to the Mercedes Owner's Manual for the procedures.



Picture 47.1

Coach Batteries and Negative Jumper Attachment Point – Brass Stud Protruding from Side Wall of Engine Compartment.



Picture 47.2

Positive Jumper Point, on Driver's Side of the Engine. Red Disc is Pushed Back to Expose the Contact.

Battery Disconnect Switch

The battery disconnect switch provides power to all 12-Volt appliances, such as the water pump, the refrigerator, and so forth. This switch should be off when you are not using your Roadtrek, and on whenever you are driving or camping. The "Battery On" light next to it will indicate the position of the switch. (Picture 48.1)

Standard 3000-Watt Inverter

The inverter switch turns on the inverter, which produces 120-Volt household current from the battery bank. (Picture 48.3) Turn this switch on whenever you wish to use any 120-Volt appliance, such as the television or DVD player, or want to plug one of your appliances into an electrical receptacle. Turn this switch off upon retiring at night or when the system is not in use, since the inverter produces a small but steady drain on the batteries even though none of the 120-Volt electricity is being used.



The inverter is configured at the factory for the batteries and power sources in the Roadtrek. Please do not change any settings without consulting your owner's manual and dealer. If you still have questions, contact the factory.



The inverter must be on to charge your batteries from shore power.



Picture 48.1

Battery Disconnect Switch.



Picture 48.2

Monitor Panel for Unit's Propane Generator.

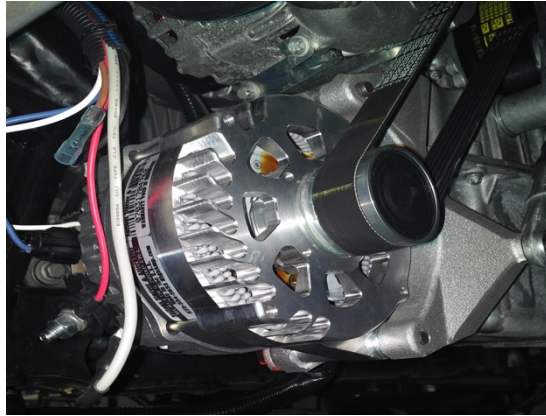


Picture 48.3

3000 -Watt Inverter.

Optional Engine Generator

Your vehicle may be equipped with this option. If so, you typically have all the electricity you can use driving down the road because the engine generator is producing electrical power. However, once stopped, and particularly after sunset when the solar panel is not producing electricity, turning off electrical items when not in use will make the charge in your batteries last for a longer period of time.



Picture 49.1

Engine Generator.

If your vehicle is equipped with an engine generator, the engine generator is mounted on the vehicle engine and is operated by idling the vehicle engine. (Picture 49.1) If your coach batteries are low, simply start the vehicle engine and let it idle until the batteries are sufficiently charged. Usually 30 minutes of idling are enough to restore moderately depleted coach batteries to a useful level of charge.

As with a conventional generator, always close the rear windows of the vehicle and turn off the roof ventilation fan when the engine generator is charging the batteries to avoid exhaust entering the vehicle's interior.

The engine generator is charging the coach batteries whenever the vehicle's engine is in operation (**All Lithium Batteries must be in on position to receive this charge**), which means you are charging them as you drive.

***Note – While using the engine generator to charge your batteries, you should be aware of items that are running in the coach which may be consuming more energy than is being replenished. You should sit and allow the underhood generator to charge the batteries for optimal results. ***

Optional Engine Generator (Continued)

There is no required maintenance for the engine generator. Note, however, that your vehicle's serpentine belt (the belt which drives the vehicle's alternator, water pump, power steering, etc.) will be different than the one for similar vehicles without the engine generator, so carrying a spare belt may be prudent in case you have a serpentine belt failure while traveling.

NAPA belt number for long wheelbase Sprinter Roadtrek's with the engine generator is 060523HD, and the belt dimensions are 13/16" x 52 7/8" or 20 mm x 1342 mm outside circumference.

Solar Panels

The solar panels operate automatically and the charger and controller are configured at the factory. There are no user-configurable options on the controller. (Picture 50.1)



Picture 50.1

Solar Controller in Cabinet Above Galley.

Shore Power

The shore power connector is located on the driver's side, on the right of the rear side compartment, just in front of the rear wheel. (Picture 51.2) See HOWTO: Shore Power for a concise description of how to connect to shore power. The switchover from shore power to inverter is automatic - the inverter will sense the incoming shore power as soon as you plug it in

This plug goes in only one way - find the prong with the right angle (L-shaped) on the cord end and on the socket, and align them. (Picture 51.3) Once the plug is pushed in all the way, turn it slightly clockwise to lock it into place and tighten the black plastic threaded ring around the outside of the socket. (Picture 51.4)

To disconnect, unthread the black plastic ring and rotate the plug slightly counterclockwise to pull it out.



Picture 51.1

Power Cord Stored Beneath Sofa.



Picture 51.2

Shore Power Connection Point.



Picture 51.3

L-Shaped Terminal on Plug, and
Corresponding L-Shaped Terminal in Cord.



Picture 51.4

Attached Shore Power Cord.

Electrical Outlets

The outlets are powered from the inverter. The outlets are protected by GFCI (Ground Fault Circuit Interrupters). All the outlets in your Roadtrek should have power if your inverter is on.

The electrical outlets above the galley (Picture 52.1) and in the compartment behind the passenger side rear captain's seat have ground fault circuitry (GFCI) - the button in the middle of the outlet pops out when they sense an anomaly or sometimes when the circuit undergoes transitional load conditions.



Picture 52.1

GFCI Plug Over Galley.
(Exact Location May Vary)



Picture 52.2

GFCI Plug Behind Rear Captain's
Seat.

If you are not getting power from an outlet, check and reset this button if needed by pushing it in. The one over the galley provides protection for outlets on the driver's side of the Roadtrek. The outlet behind the passenger side rear captain's chair provides GFCI protection for the TV and DVD or Blu-Ray player, so check it if your TV is not receiving power. There is also a 12-Volt cigarette type power outlet behind the rear captain's chair. (Picture 52.2)

Optional Propane Generator

Your Roadtrek may be equipped with a 2500-Watt propane generator. This generator, when running, will power your air conditioner, microwave, and all other electrical appliances, plus charge your batteries. To start the generator, push START. (Picture 53.1)

Allow the generator to run for a couple of minutes before turning on heavy loads such as the air conditioner. The counter to the right of the generator start switch measures hours of generator operation.

To stop the generator, first shut down all heavy loads, let the generator run for 5-10 minutes to cool down, then press the STOP side of the rocker switch.

The hour meter to the right of the generator switch measures accumulated generator use in hours. Consult your generator manual for required maintenance. There is a break-in oil change scheduled fairly early in the generator's use.



Picture 53.1

Monitor Panel

Location

The monitor panel is located inside the side door, above the rear captain's seat. (Picture 54.1) To the left of the main monitor panel is the inverter switch. (Picture 54.2)

Power Sources



Picture 54.1

Monitor Panel.



Picture 54.2

Inverter Control Panel.

The monitor panel controls two separate power sources; the 12-Volt DC power and the 120-Volt AC power via the inverter. The inverter switch also has a shore power and battery charging indicator.

12-Volt DC Power

The EcoTrek Batteries

If your Roadtrek has the optional EcoTrek batteries, you have individual switches for each EcoTrek 200 module.



Picture 55.1

EcoTrek 400 Dual Controls.



Picture 55.2

Jump Starting an EcoTrek 400.

Note the Left Bank is Off.

An EcoTrek 400 will have two sets of switches, and so on. (Picture 55.1)

The lower rocker switch turns on the bank. In normal operation, this switch should always be on. This powers the battery management system, which manages all functions of the EcoTrek 400, including charging, voltage protection, and the battery heaters when it gets cold.

The battery management system will turn off the batteries when they are run down to near empty. The system will still accept charge, but will no longer provide power.

Turning on the Batteries

Press the lower rocker switch to turn it on and press the reset button until you hear a click to power up the Battery Management System. When you hear the click from the Battery Management System, release the reset rocker switch.

When not in use, turn the batteries off. When storing the batteries for extended periods, charge them overnight first.



In cold weather, the battery management system will start the battery heaters first to warm up the batteries. Depending on the temperature, it could be between 30-60 minutes depending on outside temperatures) until the batteries are at a temperature where they can be charged.



If your EcoTrek 400, has been depleted, start with one battery bank switch first, allow it to charge for 30 minutes or an hour, then bring up the other. The current draw is the highest at the start, and this allows the charging system to keep up. Strictly speaking this is not necessary, but it is a useful guideline.



If you store your Roadtrek in cold weather, leave the EcoTrek batteries on and plugged in so that the battery management system can continue to heat and charge the batteries as needed.

The 12V Main Power Switch

The power to the 12-Volt DC outlets and appliances is controlled by the battery disconnect switch to the lower left. (Picture 56.1)



If you have the optional EcoTrek battery modules, they must be powered on first.

On the bottom left is the battery disconnect switch, which supplies 12-Volt battery power to the 12-Volt light and other cabin appliances. This switch must be on for any of the 12-Volt electrical devices to work. Remember to turn off these switches - the inverter switch, the battery disconnect switch, when your Roadtrek is not being used to avoid discharging the batteries.

The battery disconnect switch has a blue indicator light to the right of it to show you that the battery power is on.



Picture 56.1

Inverter

The inverter provides 120-Volt AC (household current) to the 120-Volt appliances and wall outlets.

Turn the inverter on only when you need household power. It uses a fair amount of energy just being on, so turn it on when you need power and turn it off when you don't.



Note - Never change the setting on the inverter itself. That switch must be OFF for the remote panel to have any effect. Always use the switch on the monitor panel or you will deplete your batteries if you use the switch on the inverter.

Shore Power and Battery Charge Indicator

There is a shore power indicator and battery charging indicator light on the right side of the remote inverter switch to show you when the system is receiving shore power and charging your batteries.

Optional Propane Generator



The generator is an option that is only available on specific models.

To start the generator, push the generator toggle switch on the top end (START). Allow the generator to run for a couple of minutes before turning on heavy loads such as the air conditioner. The hour meter to the right of the generator start switch measures hours of generator operation.

To stop the generator, first shut down all heavy loads, let the generator run for a few minutes to cool down, then press the bottom (STOP) end of the rocker switch.

Other Switches

Patio Light

On the control panel, the top left switch is the patio lights switch. (Picture 58.1) Press the top of the button to turn the lights on, and the bottom to turn them off. These are LED lights and use very little power.

Water Pump Switch

The button to the right of the patio light switch is the water pump switch. (Picture 58.2) It should be on only when you have water in the fresh water tanks and wish to use the sinks, showers, or toilet. The pump makes a characteristic noise when it is out of water, and should not be run without water. If your fresh water tank runs dry, turn the pump off until you refill the tank. As with the patio light switch, pressing the top of the button turns the pump on, and pressing the bottom turns it off.

The water pump can be left on to provide on-demand water as long as the tank has water in it and the pump is not running dry.



Picture 58.1

Patio light switch



Picture 58.2

Water pump switch

Tank Levels and Battery Charge Indicators

To the right of the control panel are the indicator lights for the battery charge level, the fresh water tank level, and the black and gray water tank levels. Press the button for each to see the display. (Picture 59.1)

These indicator lights will give you an approximate reading, to the nearest third, of how much is in each tank. The four indicator light levels for the battery represent low, fair, good, and charging states of charge.



Picture 59.1

Tank and battery level indicators

Distribution Panel

The distribution panel is located over the driver's head on the overhead panel. The 120-Volt AC breakers and 12-Volt DC fuses are each behind their own black plastic cover. (Pictures 60.1, 60.2) Information on what light or appliance each breaker and fuse supplies power to is written on the inside of the lid for each compartment.



Picture 60.1

120AC Breaker Panel.



Picture 60.2

120AC Breaker Panel Showing
Breakers and Stickers.

AC Breaker Panel

The 120-Volt breakers are located on the driver's side on the flat wood panel above the driver's seat, behind a black plastic panel. Flip the cover down and note the sticker under the cover with the identifying information on each breaker. When storing the Roadtrek for the winter, turn off the battery disconnect switch, your inverter, and all circuit breakers in this panel.

12-Volt Fuse Panel

The 12-Volt fuses are located beside the 120-Volt AC circuit breaker box, in the wood panel above the driver's head. (Pictures 61.1, 61.2)

The sticker on the inside of the cover has identifying information for each fuse telling you what light or appliance each fuse supplies power to.



Picture 61.1

12-Volt DC Fuse Box.



Picture 61.2

12-Volt DC Fuse Box Open.

CO Monitor

Your vehicle has been equipped with a combination propane leak and carbon monoxide detection device for your protection. The carbon monoxide and propane detector is located on the passenger side, near the floor under the TV. (Picture 62.1)

Be sure the detector is operating while using your vehicle. Do not block air circulation in the area where the propane leak detector is located. The detector runs on 12-Volt power supplied by the coach batteries, and is operational whenever the battery disconnect switch is on. For this reason, whenever the vehicle is occupied, particularly if you are asleep, the battery disconnect switch should be in the "on" position.



Coach power on the Monitor Panel must be on for detector operation. Make sure your battery disconnect switch is on.



Do not disable, unplug, or otherwise hinder the operation of this detector or the smoke detector.



The detector has a useful service life, beyond which it needs to be replaced. See Manufacturer's Owner's Manual for other operating instructions, or look for the sticker which is sometimes placed on the detector to see the replacement date.



The detector may chirp if the coach batteries are running low.



Picture 62.1

Propane and Carbon Monoxide Alarm.

Smoke Detector

The smoke detector is located to the right of the monitor panel. (Picture 63.1) It is powered by a commonly available 9-Volt battery which needs periodic replacement.

Refer to the Owner's Manual for the smoke detector for replacement interval for the battery and for the detector itself.

Fire Extinguisher

Your Roadtrek comes equipped with a dry chemical fire extinguisher suitable for all fires. (Picture 63.2) Before every trip, check to see that the needle on the dial is in the green range. If not, replace the fire extinguisher. DO NOT test your fire extinguisher by discharging it - total discharge time is 8 to 12 seconds, so it will become rapidly depleted if you test it this way. Service life on fire extinguishers currently supplied is 12 years; replace the fire extinguisher if it is more than 12 years past the year of manufacture stamped on the base of the cylinder.



Picture 63.1



Picture 63.2

Maintenance

Tires

See the automotive chassis manufacturer's owner's manual and documents for tire warranty information. Inflation pressure information is on the sticker inside the galley cabinet door. The current Mercedes Sprinter manual recommends checking tire pressures regularly, at least every other week and before a long trip. Tire rotation intervals depend on wear and other factors but tires should be rotated at least every maintenance interval, defined as every 40,000 km/24,000 miles. Follow the tire rotation pattern for dual rear wheel models in your owner's manual.

Cargo Carrying Capacity

See the information labels attached to the driver door post.

Owner Maintenance Checks

Listed below are vehicle maintenance checks and inspections that should be performed by the owner or qualified service technician at the indicated intervals. Any adverse conditions should be brought to the attention of your dealer or qualified service technician for expert service advice as soon as possible. The owner maintenance checks are generally not covered by warranties and you may be charged for labor, parts and supplies used.

When You Stop for Fuel or Weekly

- Check engine oil level.
- Look for low or underinflated tires.

Every Other Week

- Check tire pressure on all tires and your spare.

At Least Monthly

- Check coolant level in the coolant recovery reservoir.
- Check windshield washer fluid, brake fluid and power steering fluid levels.
- Check operation of all exterior lamps, including brake lamps, turn signals and hazard warning flashers.

Maintenance (Continued)

At Least Every Three Months

- Flush water to the toilet cassette. Use a hose or bucket to fill the tank through the toilet and dump. Flush gray water holding tank. Use a hose or bucket to fill the tank through the galley sink and dump.
- Flush and sanitize fresh water tank. To flush the tank:
 - Fill it completely using the city fill and drain using the fresh water tank drain underneath the tank.
 - Sanitize by adding 1/2 cup chlorine bleach to the tank, fill with water, let sit for at least two hours, and drain. 1/2 cup vinegar added to the next tankful, which will also be drained before filling with fresh water for use, will help dissipate the chlorine smell.

Refer to other sections in this manual for drain and fill locations.

At Least Twice a Year

- Check windshield wiper operation.
 - Clean wiper blades with clean cloth dampened with washer fluid.
 - Wiper blades should be replaced at least once a year.
- Check radiator, heater and air-conditioning hoses for leaks or damage.
- Check for worn tires and loose wheel lug nuts.
- Check parking brake system and put the brake on and see if it will hold on a moderate hill. If not, get it repaired.
- Check head lamp alignment.
 - Shine your low beam headlights on a wall. The light patterns should be the same height. Measure headlight height at the vehicle with a yardstick and the light patterns should be the almost same height or slightly less with your vehicle level. If not, get the headlights aligned.
- Check lap and shoulder belts for wear and function. Replace any belts with frayed spots or that do not smoothly retract into their holders.
- Inspect appliance vents to ensure they are free from dirt, insects, spider webs and/or nests.
- Inspect gray water tank vent and remove any debris or other obstructions. The gray water tank vent is on the roof, passenger side and in the bathroom area.
- Clean air conditioner filter. See air conditioner manual for details.
- Thoroughly clean and wax the roof of the van.
 - To wash the solar panel, use a garden hose to rinse dirt off the panel.
 - Do not scrub it with a brush or otherwise apply any abrasive material to the solar panel surface.
 - Rinsing the panel two or three times a year to remove excess dirt is all you need to do to keep the panel operating at full output.
- With the tank empty, add one cup of mineral oil and one cup of hot water to the gray tank.

Maintenance (Continued)

At Least Once a Year

- Lubricate all door hinges, locks and latches, especially the exposed hinges on exterior doors. These will freeze up and cause damage to the doors if neglected.
- Have appliances tested and cleaned.
- Wax and polish and protect exterior surfaces. The wheels are coated aluminum and there is no bare aluminum on the vehicle, so do not use aluminum polish on any surface of your Roadtrek.

To prevent water from entering your vehicle, avoid spraying water directly into exterior vents or grills. Do not use a power washer to clean your Roadtrek because damage to the paint, removal of decals and water leaks will result. Hand washing or commercial car washes accommodating large vehicles are the best way to keep your Roadtrek clean and shiny.

Other Maintenance Checks

Follow the maintenance for your appliances as per the appliance's manufacturer's manual.

Spare Tire Storage

The spare tire is located on the driver's side, behind the third utility bay door just in front of the rear tire and below the vehicle.

The jack is stored beneath the front passenger's feet behind a plastic panel. Pull up the floormat, turn the plastic plug 90 degrees with a coin or key in the slot on the plug, and the panel will come loose to reveal the jack and lug nut wrench. (Pictures 67.1, 67.2)

Note – Refer to the Mercedes Chassis manual for tire changing procedures or contact Roadtrek Roadside Assistance (If Your Service Period is Still In Effect) for help with a flat or leaking tire.



Picture 67.1

Tool Access in Front Passenger Footwell.
Use a Coin to Turn the Retaining Clip and
Access the Compartment.



Picture 67.2

Jack, Handle, and “Banana” Lever to
Lower Spare Tire Carrier.

XL Edition Information

If your Roadtrek is an XL edition, you have an extra 18" in length over the normal Sprinter chassis. Your overall coaches length is 24'1" versus the standard 22'9" model.

With the XL edition you can get additional items not found on the 22'9" coaches. The first of those items is an optional bed headboard. (Picture 68.1) This headboard is removable by unscrewing the fasteners at each end of the headboard.



The following instructions are recommended to be completed by using two people.

You also receive a standard golf bag holder that can hold up to 4 bags. (Picture 68.2)

To use the golf bag holder, remove the screw in fasteners from the receivers in the sidewalls. Remove the headboard (If Equipped) and store in a safe and dry location. Line up the brackets for the golf bag holder with the receivers on each side and use the fasteners to screw the golf bag holder into place.

An optional drop down power cabinet is also available. (Picture 68.3) This cabinet is operated by a switch located on the driver's side above the sofa. When closed, the items stored in this cabinet are not visible from the front or rear of the coach.



Picture 68.1

Optional Bed Headboard.



Picture 68.2

Golf Club Bag Holder.



Picture 68.3

Optional Drop Down Power Cabinet.

Obtaining Service

When your Roadtrek needs service, determine if the issue is with the Roadtrek upfits or the Sprinter chassis.

For Roadtrek upfits, contact your dealer. Start with the service writer, then the service manager and finally, if you are unable to resolve your issues with the service department, contact the dealership managing partner or owner. Please keep notes of who you spoke with and dates.

For chassis-related issues, contact Mercedes service. Advise the service writer that you have a 3500 extended van, rather than a motorhome. Some dealerships do not want to work on motorhomes but most can service a 1-ton van. Again, start with the service writer, then the service manager and finally, if you are unable to resolve your issues with the service department, contact the dealership managing partner or owner. If you cannot resolve your chassis related issues at the dealer level, contact Mercedes factory service.

 Erwin Hymer Group NA typically cannot initiate a case with the chassis manufacturer, the owner must do that.

Contact Erwin Hymer Group NA Service after you have exhausted the process above. Please provide as complete a record as you can so that your effort is not duplicated.

Erwin Hymer Group NA Service information:

Email: retailservice@erwinhymergroupna.com

Phone 1-844-496-373

Specifications

For general chassis specifications, please refer to the Mercedes Sprinter manual. For specifications relating to your vehicle, including occupancy, weight rating, tire size, inflation and so on refer to the sticker on the driver's side B pillar (right side of the door frame, near the latch). This specification refers to the baseline Roadtrek upfits. Options and upgrades may change these specifications.

This applies to Erwin Hymer Group NA upfits only.

Total fresh water capacity (includes water heater)	33 gallons/125 liters
Fresh water tank capacity	27 gallons/102 liters
Gray water tank capacity	21 gallons/79 liters
Black water tank capacity	10 gallons/38 liters
Battery type	AGM, maintenance free
Battery capacity	220 AMP hours (standard) 440 AMP hours (optional)
Propane tank size	16 gallons/61 liters
Propane tank capacity at 80%	12.8 gallons/48 liters
Water heater capacity	6 gallons/23 liters
Furnace	16,000 BTUs/hour
Refrigerator	2-way (12VDC, 120VAC)
Air Conditioner	11,000 BTUs/hour

Roadtrek Limited Warranty

What This Limited Warranty Covers

A new Erwin Hymer Group (EHG) motorhome has a limited warranty by EHG. This limited warranty covers the repair or replacement, of any part of your new Roadtrek in which a nonconformity in materials or workmanship appears during normal use, maintenance or service within the limited warranty period, subject to the limitations and exclusions described below in “What This Limited Warranty Does Not Cover”. **REPAIR OR REPLACEMENT OF COVERED MATERIALS BY A EHG DEALER IS THE EXCLUSIVE REMEDY UNDER THIS WARRANTY.** The repair or replacement of any covered material does not extend the life of the limited warranty.

Materials covered by this warranty are limited to those installed by EHG, including but not limited to, the interior finishing behind the drivers and passengers seating area, rearward windows, roof mounting air conditioning, rear heating system, electrical generator, and plumbing for the kitchen, shower and toilet. This limited warranty excludes the warranty set forth by the chassis manufacturer or any parts or components added to the vehicle by another party. In addition to this EHG limited warranty, original component manufacturers may provide their own separate warranties. **This limited warranty is valid only in the United States and Canada. Coverage under this warranty is not subject to proration or deductibles.**

How Long the Limited Warranty Lasts

The original limited warranty is in effect for a period of 72 months from the first retail owner’s date of purchase, regardless of subsequent ownership.

Who is Covered

This limited warranty covers the owner of the chassis equipped with a EHG RV conversion. The warranty may be transferred to subsequent owners during the warranty period by submitting online a new Roadtrek limited warranty registration form (see “How to Obtain the Limited Warranty” below). **THIS LIMITED WARRANTY IS NULL AND VOID IF THE VEHICLE HAS BEEN LEASED OR RENTED FOR COMPENSATION TO ANOTHER INDIVIDUAL OR ENTITY.**

What This Limited Warranty Does Not Cover

The exclusive remedy under this limited warranty or under any implied warranty that arises under state or provincial law is repair or replacement of any Covered Part in which a nonconformity in materials or workmanship appears during normal use, maintenance or service within the limited warranty period, subject to the following exclusions.

Roadtrek Limited Warranty (Continued)

LIMITATION ON DAMAGES: *EHG shall not be liable for incidental, consequential, direct, indirect, or other damages (such as, but not limited to, lost wages, loss of use, loss in value, lost profits, lost opportunities, alternative transportation, inconvenience, cost of lodging, or lost vehicle rental expenses) that result from breach of the written warranty or any implied warranty.*

LIMITATION ON IMPLIED WARRANTIES: *This limited warranty is in lieu of and in exclusion of any other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. Any implied warranties that arise under applicable state or provincial law notwithstanding the foregoing, including any implied warranty of merchantability or fitness for a particular purpose, are limited in duration to the term of this limited warranty and are limited in scope of coverage to those portions of the motorhome covered by this limited warranty.*

ITEMS **NOT** COVERED BY THIS LIMITED WARRANTY INCLUDE THE FOLLOWING:

- ✦ The automotive vehicle / chassis is warranted by by the chassis manufacturer. Please refer to the chassis manufacturer's Warranty information for details.
- ✦ Normal vehicle maintenance such as lubrication, batteries, tires, filter and oil replacement, belts and hoses, brake lining and adjustment and vehicle alignments.
- ✦ Damage caused by improper maintenance or use including, but not limited to, failure to follow the required or recommended maintenance schedule, failure to maintain operating parameters (e.g. plumbing leaks, fluid levels, battery life) and failure to follow operating instructions.
- ✦ Additions or accessories not originally installed by EHG and any problems resulting from such additions or accessories.
- ✦ Damage caused by misuse, carelessness, abuse or neglect, anything outside normal use.
- ✦ Damage caused by collision, fire, theft, vandalism, weather, freezing, flooding, acts of God, or other casualties.
- ✦ Damage or nonconformities with respect to Covered Materials in a vehicle that is leased or rented to another party for compensation.
- ✦ Damage as a result of corrosion or corrosive agents and their contact with EHG materials

Third Party Representations

EHG does not authorize any person to create for EHG any other obligations or liability in connection with its motorhome vehicle content, and EHG is not responsible for any representation, promise or warranty made by a dealer, component or vehicle manufacturer, or other person beyond what is expressly stated in this limited warranty.

Roadtrek Limited Warranty (Continued)

How to Obtain the Limited Warranty

The original retail purchaser is responsible for submitting online, or having the vehicle dealer submit online, a Roadtrek Limited Warranty Registration form to EHG. This limited warranty is not valid unless the Roadtrek Limited Warranty Registration is submitted online and received by EHG within 48 hours after the date of delivery to the first end user or any subsequent owners. To register a new or subsequent owner please go to <http://www.roadtrek.com/warranty/>.

How to Get Service

To obtain warranty service for your Roadtrek, call toll free 7 days a week 800-663-0066. Our customer care specialist can help answer questions regarding our products and services, provide information about warranty coverage and maintenance issues, help you arrange for service under other manufacturer warranties, and locate a Roadtrek authorized dealers and service centers in your area. To find a current list of Roadtrek authorized dealers and service centers on-line, go to <http://www.roadtrek.com/locators/>. When you call, please have the following information available so that we may expedite your service:

- The chassis' VIN (Vehicle Identification Number)
- First retail owner's date of purchase
- The current actual mileage

NO WARRANTY CLAIM WILL BE PROCESSED OR PAID WITHOUT PROOF OF ACTUAL MILEAGE AND FIRST RETAIL OWNER'S DATE OF PURCHASE.

Roadside Assistance Plan

You are enrolled in a 24/7 roadside assistance plan for the first 2 years of the limited warranty upon registration of your Roadtrek. The roadside assistance plan is transferrable to subsequent owners within the 2-year coverage period. If your motorhome is disabled because of any nonconformity covered by this limited warranty or in certain other situations, our roadside assistance provider will assist by providing the following services: towing, mobile mechanic (where available), fuel delivery, tire change, battery jumpstart, lockout service and emergency fluids. To obtain roadside assistance, call 877-579-7078.

PLEASE NOTE THAT THE ROADSIDE ASSISTANCE IS ONLY AVAILABLE TO THE FIRST RETAIL OWNER AND IS NON-TRANSFERRABLE TO ANY SUBSEQUENT OWNERS.

Arbitration Provision

Any claim or controversy arising out of or relating to this limited warranty, or breach thereof, shall be settled by arbitration administered by the Arbitration Association. The determination of the arbitrator(s) shall be in writing and shall include an explanation of the basis for the determination. The determination of the arbitrator(s) shall be final and binding and judgment upon such determination may be entered in any court having jurisdiction.

Registration

Please send the following form in or email the information to <http://www.roadtrek.com/warranty-information-and-registration/> when you purchase your Roadtrek. Your new Roadtrek should be registered on your behalf by your dealer. If that step is overlooked, then please visit the following link to insure that you are properly registered with EHGNA: <http://www.Roadtrekcv.com/warranty>

CHANGE OF OWNER NAME OR ADDRESS FORM IMPORTANT - To owner with New Address or Used-Vehicle Buyer - complete and mail for accuracy of recall mailing records																								
PLEASE TYPE OR PRINT LEGIBLY:																								
1. VEHICLE IDENTIFICATION NUMBER (17 Character number found on top left instrument panel)																								
2. PRINT Last Name (including Jr., Sr., etc.)																								
3. PRINT First Name (or Initial) and Middle Name (or Initial)																								
4. PRINT NEW mailing Address: House/Building Number and Street Name (including St., Ave., Rd., Ct., etc.)																								
APT./Suite No.					or					P.O. Box No.					or ☐ RR/ ☐ HCR					☐ RR/ ☐ HCR Box No.				
City					State					ZIP Code					ZIP +4									
Phone No.										Prov.					Postal Code									
Month Day Year										Email Address														
Current Date																								
Questions or concerns?: sales@roadtrek.com 																								

Aftermarket Disclaimer

The compatibility of aftermarket systems and components should be researched thoroughly either with the dealer or manufacture as they may interfere with the performance of Erwin Hymer Group North America (*Roadtrek, Hymer, Sunlight etc.*) recreation vehicle systems and components, further affecting the warranty of the vehicle as designed.

Regulatory Notices

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

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, and/or Erwin Hymer Group NA.

To contact NHTSA, you may call the Auto Safety Hotline toll-free at 1-888-327-4236, (or 366-0123 in Washington, DC area) or write to:

NHTSA
U.S. Department of Transportation Washington, DC 20590

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

HOWTOs

For access to more information on how to reform general functionalities of your Roadtrek, please go to:

<http://www.roadtrek.com/support-contact/#section-how>

<https://www.youtube.com/user/RoadtrekMotorhomes>