

SS AGILE

2019 OWNER'S MANUAL



www.roadtrek.com

Contents

Introduction to Your SS Agile 7

Disclaimer 7

Copyright 7

 References 8

Do’s and Don’ts 8

 Symbol Legend..... 8

 Regulatory Warnings 8

 Information, Cautions and Warnings..... 9

Before You Head Out 11

Coming Home 12

Interior Living Space..... 13

 Cabinets 13

 Galley Drawers 15

 Lights..... 15

 Tables..... 16

 Rear Table 16

 Front Table 17

 Captain’s Seats 18

 Blinds..... 20

 Ventilation..... 21

Sleeping Facilities 22

 Sofa Bed..... 22

 Twin Beds..... 23

 King Bed..... 23

Bathroom Facilities.....	24
Securing Bathroom Door	24
Using the Toilet.....	24
Shower	25
Appliances	27
TV and Home Theatre System.....	27
Antenna and Cable Connections	27
Controlling the Rear Speakers.....	27
Refrigerator.....	28
Microwave Convection Oven.....	28
Microwave Convection Oven (Big Inverter Version)	28
Cooktop Stove.....	29
Hot Water	29
Outside Your Roadtrek.....	30
Awning.....	30
Exterior Step.....	31
Rear Door	32
Rear Door Screen	33
Outside Shower	34
Utility Bays.....	35
Fuel Fill	36
Utilities	37
Fresh Water	37
City Water.....	37
Waste Water	39

Heating and Cooling.....	40
Heating	40
Thermostat	40
Electrical System.....	41
Batteries	41
AGM	41
Lithium Batteries.....	42
Turning On the Batteries.....	42
If the Batteries Are Depleted.....	43
Jump Starting Your Engine.....	44
Battery Disconnect Switch.....	44
Standard 3000 Watt Inverter.....	45
Optional Engine Generator	46
Solar Panels.....	47
Shore Power.....	48
Electrical Outlets.....	49
Monitor Panel.....	50
Location.....	50
Power Sources	50
12 Volt DC Power	51
The EcoTrek Batteries	51
Turning on the Batteries.....	52
The 12V Main Power Switch	53
Inverter	53
Shore Power and Battery Charge Indicator	53

Other Switches	54
Patio Light	54
Water Pump Switch	54
Tank Levels and Battery Charge Indicators	54
Distribution Panel	55
AC Breaker and 12 Volt Fuse Panel	55
Alarms and Warnings	56
CO Monitor	56
Smoke Detector	57
Fire Extinguisher	57
Maintenance	58
Tires	58
Cargo Carrying Capacity	58
Owner Maintenance Checks	58
When You Stop for Fuel or Weekly	58
Every Other Week	58
At Least Monthly	58
At Least Every Three Months	59
At Least Twice a Year	59
At Least Once a Year	60
Other Maintenance Checks	60
Spare Tire Storage	61

Specifications.....	63
Roadtrek Limited Warranty.....	64
Obtaining Service.....	64
Contacting Roadtrek Inc.....	64
Arbitration Provision.....	65
Specifications.....	65
Roadside Assistance Program.....	65
Registration.....	66
Aftermarket Disclaimer.....	67
Regulatory Notices.....	67
HOWTOs.....	67

Introduction to Your SS Agile

Congratulations on the purchase of your Roadtrek and welcome to the 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@roadtrekinc.com.

Disclaimer

This owner's manual was created to help owners with general use, maintenance and care of their RV. Roadtrek Inc. 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 additions 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
	Warning	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.
	Danger	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.

	Warning	Do not fill propane containers to more than 80% of their capacity. • A properly filled container contains approximately 80 percent of its volume as liquid propane. • Overfilling propane container(s) can result in uncontrolled propane flow, which could lead to a fire or explosion and 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.

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 Roadtrek Inc. 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 DC generator located in 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:
 - o Charge your batteries by plugging in overnight.
 - o Cool your refrigerator by turning it on.
 - o Chill any beverages in your home refrigerator.
 - o Fill your fresh water tank with clean tap water.
- The day of the trip:
 - o 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 tanks at a convenient facility. See the HOWTO: Waste Water Dumping section 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:
 - o The battery disconnect switch.
 - o The inverter switch.
-

Interior Living Space

Cabinets

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 pop 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, Roadtrek Inc. 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 (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)

Galley Drawers

Beneath the galley countertop there are drawers to the left and right of the food preparation surface. The center panel is fixed, and is not a drawer. (Picture 15.1)

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.



Picture 15.1

Lights

Your Roadtrek is equipped with interior LED lighting designed to give you control based on your requirements. There are three lights down the length of the aisle, and one more over the galley. Before attempting to turn on any interior lights, you **MUST** ensure the battery disconnect switch is turned on. The battery disconnect switch can be located on the bottom left corner of the control panel, which is above the vehicle's sliding door.

To use the tap lights, press the fixture lens. (Picture 15.2)



Picture 15.2

Tables

Your Roadtrek is equipped with two tables for your use, one for the front and one for the rear of the vehicle. (Picture 16.2)

Rear Table

The rear table is stored under the bench seat on the driver's side. The table leg is stored behind the driver's seat. (Picture 16.1)

To install the table, place the leg into the existing floor socket. Rotate the leg to ensure it is securely in place and then place the table top on top of the table leg. Make sure the table leg is seated firmly in the table top socket. (Picture 16.3)



Picture 16.1

Rear table leg



Picture 16.2

Rear table in position



Picture 16.3

Table leg floor socket

Front Table

Pull the table out from its drawer-like storage in the galley cabinet. Flip the support bracket (Picture 17.1) out from behind the driver's seat. Fold the table top leaf over so it rests on the support bracket. (Pictures 17.2, 17.3)



Picture 17.1

Front table support



Picture 17.2

Front table being set up



Picture 17.3

Fully extended

Captain's Seats

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.

To swivel the front seats, locate the swivel lever on the back of the seat and move it sideways against its spring to release the lock and swivel the chair.



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

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. 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.

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 chairs to clear the armrests on the vehicle doors and other obstructions. Do not force the seats around. Swiveling the seats is easier if you open the doors and loosen the tilt steering wheel adjustment and move the steering wheel as far forward and up as possible.

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 19.1) The swivel lever for the rear seat is on the right (passenger) side of the base. (Picture 19.2) Push it backward to release the lock and swivel the seat. (Picture 19.3)



Picture 19.1

Seat swivel adjustment



Picture 19.2

Outboard front seat
adjustments



Picture 19.3

Lumbar support adjustment
on inboard side seat

Blinds



Picture 20.1

Shades drawn



Picture 20.2

Blinds drawn

The blinds are equipped with two layers depending on your preference and need, the first layer is used for shading the inside of the vehicle and the second layer is used for privacy. (Pictures 20.1, 20.2)

To use the blinds, gently pull from the center of the blind in a downward motion, this will bring the first “shade” level down to cover the window. To bring the “privacy” level down, simply pull the bar located at the top of the blind down to your desired position.

The blind located above the galley area is a metal blind which can be closed for total privacy.

Ventilation

Your Roadtrek is equipped with a ceiling mounted ventilation fan. (Picture 21.1)

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.



The fan cover may rattle if your drive with it open.



Picture 21.1

Sleeping Facilities

Your Roadtrek has sleeping capacity for two people on the rear bed.

Sofa Bed



Picture 22.1

Sofa switch



Picture 22.2

Sofa upright

You can configure the rear bed as a King or Twin bed depending on your preference or requirements. You begin by lowering the sofa. Picture (22.2)

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. (Picture 22.1)
- 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. (Picture 23.1) The sofa makes a continuous sleeping surface with the two bench seats, leaving the center aisle clear.



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 23.1

Twin Beds

King Bed

You create the king bed by lowering the sofa as above, then adding the center section. (Picture 23.2)

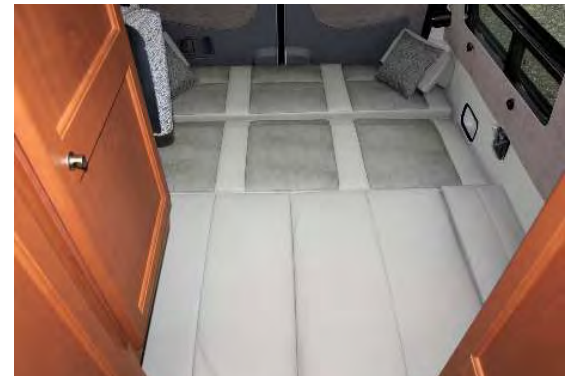
- Locate the panel under the bench cushions on the passenger's side, and slide it out into the open space between the two side bench seats. Secure it into the notches on the inner surface of both bench seat bases.
- Reposition the bottom cushions of the side bench seats over this panel so they are side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



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.



Always put the seatbelts back when you raise the sofa. 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 23.2

King bed

Bathroom Facilities

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

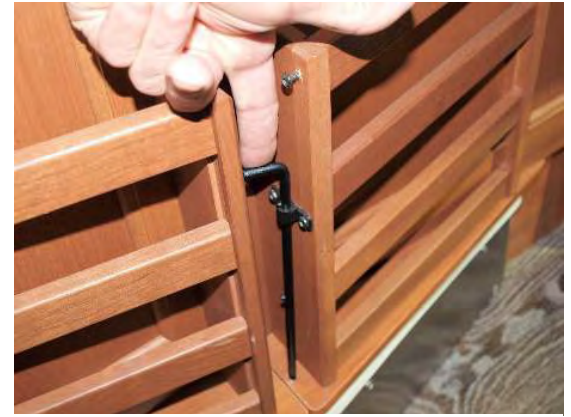
Securing Bathroom Door

The bathroom doors are secured by a latch and pin system. To open doors

- Loosen the thumbscrew and flip the latch open.
- Pull the retaining pin up so it clears the lip at the front of the bathroom floor. (Picture 24.1)
- Open the right hand door first, followed by the left.



You must close this door securely before driving. Make sure both the pin and the thumbscrew latch are closed as a part of your pre-trip checklist.



Picture 24.1

Using the Toilet

The bathroom in your Roadtrek contains a marine type toilet. To secure the doors once inside, use the inside latch. 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 24.2) 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.



Picture 24.2

Toilet flush pedal

Shower

Using the Shower

- Unscrew the drain stopper in the center of the bathroom floor (Picture 25.1)
- If the shower hose is disconnected, connect it to the threaded fitting behind the sink faucet handles (Pictures 26.1, 26.2)
- Release the hook and 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

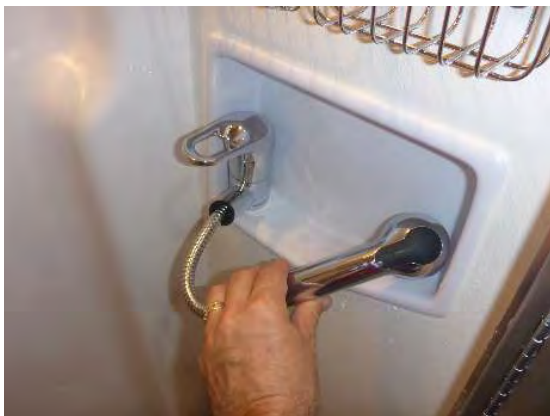


Picture 25.1

After Showering

- Turn off the water using the hot and cold knobs on the sink faucet
- Push the knob located between the sink faucet back down to switch the flow of water back to the sink faucet
- Refasten the drain stopper in the center of the bathroom floor (this is important as it stops the content of the grey water 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

Shower (Continued)



Picture 26.1

Shower hose extending from its
storage location



Picture 26.2

Shower hose stored

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. In order 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. (Picture 27.1)

Refer to HOTWO: Cable and TV Reception for the location of the cable TV connection how to hook up cable



Picture 27.1

TV antenna and cable connections

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. (Picture 27.2)

- 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. Check to see if the blue indicator light on the antenna is lit.



Picture 27.2

Rear speaker control switch

Refrigerator

The refrigerator in your Roadtrek is a 12-volt DC / 120-volt AC compressor refrigerator that switches automatically between voltages. It uses 12-volt battery power except when 120-volt current is available.

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

The battery disconnect switch must be on for the refrigerator to operate, regardless of power source.

To open the refrigerator, gently push down on the latch located on the upper right hand corner of the unit to release the retaining pin and pull the door towards you. (Picture 28.1)



Check the refrigerator Owner's Manual for more details of operation and maintenance.



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



Picture 28.1

Microwave Convection Oven

The microwave oven is a standard microwave convection oven operating on 120 volt AC.

Microwave Convection Oven (Big Inverter Version)

The microwave oven is a standard microwave convection oven operating on 120-volt AC. To draw power for the microwave for use, you **MUST** be plugged into shore power, have the generator running, or have the inverter on. The oven uses over a thousand watts. Don't operate the oven and the air conditioning simultaneously on inverter power. Plug in or have the engine running to recharge the batteries if you wish to operate it for longer periods of time.

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 29.1)
(optional Induction Cooktop showed in picture 29.2)



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

Hot Water

Your water heater requires both propane for heat, and 12-volt power for controls. Please refer to the Monitor Panel section for the location of the water heater controls.

To use the heater:

- Turn the battery disconnect switch on.
- Check 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. (Picture 29.3)



- The red indicator light will be on briefly until the burner lights.



Check the water heater Owner's Manual for more details of operation and maintenance.

If the red light comes on repeatedly, either the unit is not functioning correctly or is not being supplied with propane.

The water heater can heat the six gallons to a useable temperature in fifteen minutes or so, depending on the water temperature in the fresh water tank.



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



Picture 29.2



Picture 29.3

Outside Your Roadtrek

Awning

Your Roadtrek is equipped with an easy to use power roll up awning.



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 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. (Picture 30.1)
- Once extended, secure the supports to the two attachment points on the side of the vehicle or to the ground with the pins provided. (Picture 30.2)

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 30.1

Awning switch above front passenger seat



Picture 30.2

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. (Pictures 31.1, 31.2)



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 31.1

Step switch



Picture 31.2

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 strap
3. Pull out the curved door strap by the tail light assembly and fold it back against the door (Picture 32.1)
4. To close the door, flip the door strap around and it will automatically engage as you close the door



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 32.2)



Picture 32.1

Rear door retaining strap



Picture 32.2

Rear door magnet

Rear Door Screen

As an option, some 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 33.1) 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 33.2)

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 33.1

Rear screen tabs



Picture 33.2

Rear screen lower hook and
loop fastener

The double slide zipper arrangement allows the bottom of the screen to be unzipped to access underbed storage area in the back of Roadtrek without disturbing the top section.

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.

Outside Shower

On the driver's side near the rear, there is a rectangular compartment which houses the outside shower. (Picture 34.1) 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 34.1

Outside shower compartment open, showing
hose, faucet, and showerhead

Utility Bays

There are two exterior access doors along the bottom between the wheels on the driver's side of the vehicle. (Picture 35.1)



Picture 35.1

Driver's side bays



Picture 35.2

Lid support



Picture 35.3

Propane tank



Picture 35.4

Shore power connection

Utility Bays (Continued)

The compartment behind the front door houses the city water connection point and propane tank. You can find more information in the HOWTO: Propane System section.

The compartment behind the second door contains (left to right) the waste water disposal hose, the gray water valve handle, the black water value handle, the waste water disposal pump cleaning knob, and the cable TV connection point. (Picture 36.1)



Picture 36.1

Wastewater hose, dump valves, pump cleaning knob, and CATV connection

Fuel Fill

The fuel fill door is located directly behind the driver on the outside of the vehicle. (Picture 36.2) To fill your Roadtrek with fuel;

1. Open the driver side door
2. Swing open the fuel fill cover
3. Shut the driver's door (to prevent fumes from entering the car)
4. Remove the fuel cap
5. Fill the tank with DIESEL FUEL ONLY
6. After fueling, replace the fuel cap
7. Re-open the driver's side door
8. Shut the fuel fill cover
9. For DEF fill, refer to the Sprinter owner's manual.



Picture 36.2

Fuel fill

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 connected tanks, one underneath the front passenger seat, and the other underneath the vehicle directly below it. The two tanks are filled and the water is used as a single tank. You do not have to switch anything to fill the tanks or use the water in them.

The gravity fill is located on the front passenger door post, near the door handle. Open the door and look for the orange plug. (Picture 37.1) Remove this plug, fill with a hose from any safe water source until it overflows out the fill opening. There is also an overflow tube attached to the top tank which will vent excess water out underneath the front passenger side of the vehicle as the tank reaches capacity.



Picture 37.1

Fresh water gravity fill

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.

 Campgrounds and municipalities vary greatly in supplied water pressure. The freshwater city connector that is supplied with your Roadtrek, has a built in regulator for your use.

 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. Our fresh water city connection has a built in regulator.

The city water connection is on the left of the front compartment at the bottom along the driver's side of the vehicle. Unscrew the white plastic plug and use your pressure regulator and hose to connect your Roadtrek to the water source. Remember to disconnect and store the hose before driving. (Pictures 38.2, 38.3)

 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.



The city water valve is behind this access panel to the left of the side door opening

Picture 38.2



City water connection with built in pressure regulator

Picture 38.3

City Water (Continued)

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.
- 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.



Picture 39.1

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

Waste Water

Sink and shower drain water drains into the gray water tank; the black water tanks 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 tanks 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

Your Roadtrek is heated with a Suburban propane furnace, located on the passenger side of the aisle beneath the side bench. The furnace is controlled by the thermostat, above the rear side window. (Picture 41.1) 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 will not function off the coach batteries.



Picture 41.1

Furnace location

Cooling

The roof-mounted air conditioner in your Roadtrek will provide cool air while camping. It is controlled by the thermostat. Refer to the air conditioner manual for details of use.

Thermostat

The thermostat controls the air conditioning unit. Set the thermostat on "cool" and set the desired temperature. (Picture 41.2)

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 cabin for extended periods of time unless you are attached to shore power or running the engine. For all other circumstances, use the regular heating system to heat the cabin. If your unit has the heat strip option, you can operate it by turning the thermostat to "furnace" and setting the desired temperature.

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



Picture 41.2

Thermostat

Electrical System

Refer to the Monitor Panel for locations of the controls referred to in this article.

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

Lithium Batteries



Picture 43.1

Resetting an EcoTrek 200;
note the left bank is off



Picture 43.2

EcoTrek 400 dual controls

Each EcoTrek 200 battery has its own control. A single EcoTrek 200 will have one rocker switch at the bottom and one pushbutton switch at the top of the panel. (Picture 43.1) An EcoTrek 400 will have two sets of switches, and so on. (Picture 43.2)

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 200, 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. If the batteries don't come on right away (the blue indicator light does not come on) press the reset button for about 3 seconds to power up the Battery Management System.

Turning On the Batteries continued

In order to extend the life of your batteries, it is best to operate them in pairs. This allows the batteries to share both the charge (incoming current). and the load. If your vehicle has four batteries, turn off the first pair before turning on the second pair.

If you are going to run your appliances for an extended period of time without charging (i.e. sleeping with the air conditioner on), you can turn on four batteries. It is best to have your battery banks full for this situation. If both banks are within 0.2-0.3 Volts there will be little current rush between the banks when turning them on together. A large difference in V between the battery banks can lead to a rush of current from the "full set" to the "empty set".

Should one set be empty, you should charge it before you require power from it.

There is a lower cut off of 12.2 V for the battery. When it reaches this level you will need to supply charge power to the batteries from either the inverter (shore power) or the generator.

If the Batteries Are Depleted You Have Two Options;

Ensure all loads are turned off. Either plug into shore power & turn on the inverter or start the engine. Turn on one battery, if necessary press the reset button for about 3 seconds. Then turn on the second battery. It is best to charge batteries in parts.

When the vehicle is not in use, turn the batteries off. If you are storing the batteries for extended periods, charge them to between 12.8 and 13.0 V. They should be checked every 20-30 days.



In cold weather (<2C/36F), 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, refer to the Mercedes Owner's Manual for the procedures.



Picture 45.1

Coach batteries and negative jumper attachment point – brass stud protruding from side wall of engine compartment



Picture 45.2

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 45.3)



Picture 45.3

Battery disconnect switch

Standard 3000 Watt Inverter

The inverter switch turns on the inverter, (Picture 46.1) which produces 120-volt household current from the battery bank. 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. Monitor panel for units propane generator

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 46.1

2500 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.

If your vehicle is equipped with an engine generator, the engine generator is mounted on the vehicle engine (Picture 47.1) and is operated by idling the vehicle engine. 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, which means you are charging them as you drive. You will arrive at your camping destination with fully charged coach batteries.

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. We recommend you also have your belts inspected during every oil change.

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.



Picture 47.1

Engine generator

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 48.1)



Picture 48.1

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 49.2) 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 49.3) 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 49.4)

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



Picture 49.1

Power cord stored beneath sofa



Picture 49.2

Shore Power connection point



Picture 49.3

L-shaped prong on plug, and
corresponding L-shaped hole in cord end



Picture 49.4

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 50.1) 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 50.1

GFCI plug over galley (exact location may vary)

Timer option for On-demand Water Heater



Picture 50.2

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 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)

Monitor Panel

Location

The monitor panel is located inside the side door, above the rear captain's seat. (Picture 51.1) To the left of the main monitor panel is the inverter switch. (Picture 51.2)

Power Sources



Picture 51.1

Monitor Panel



Picture 51.2

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 52.1

EcoTrek 400 dual



Picture 52.2

Jump starting an EcoTrek 200;
note the left bank is off

A single EcoTrek 200 will have one rocker switch at the bottom and one pushbutton switch at the top of the panel. (Picture 52.2) An EcoTrek 400 will have two sets of switches, and so on. (Picture 52.1)

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 200, 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. Press the reset button for about 30 seconds to power up the Battery Management System.

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 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 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 54.1)



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.

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



Picture 54.1

Battery disconnect switch

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.



Do not change the setting on the inverter itself. That switch must be OFF for the remote panel to have any effect.

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. (Picture 54.2)



Picture 54.2

Other Switches

Patio Light

On the control panel, the top left switch is the patio lights switch. (Picture 55.1) 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 55.2) 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.

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 55.3)

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 55.1

Patio light switch



Picture 55.2

Water pump switch



Picture 55.3

Tank and battery level indicators

Distribution Panel

AC Breaker and 12 Volt Fuse Panel

The electrical power distribution center is located on the driver's side above the galley in the rightmost cabinet, behind a black plastic cover. (Picture 56.1) Open the cabinet, remove the cover, and note the label on the cover identifying information for each breaker and fuse, as to what appliance or light each one supplies power to. (Picture 56.2) When storing the Roadtrek for extended periods of time, turn off the battery disconnect switch, your inverter, and the main 30A circuit breaker in this panel.



Picture 56.1

Agile power distribution panel location



Picture 56.2

Agile AC breakers and 12 volt fuses

Alarms and Warnings

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 57.1)

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 57.1

Propane and Carbon Monoxide alarm

Smoke Detector

The smoke detector is located to the right of the monitor panel. (Picture 58.1) 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.



Picture 58.1

Fire Extinguisher

Your Roadtrek comes equipped with a dry chemical fire extinguisher suitable for all fires. (Picture 58.2) 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 58.2

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 labour, 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.

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:
 - o Fill it completely using the city fill and drain using the fresh water tank drain underneath the tank.
 - o 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.
 - o Clean wiper blades with clean cloth dampened with washer fluid.
 - o 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.
 - o 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.
 - o To wash the solar panel, use a garden hose to rinse dirt off the panel.
 - o Do not scrub it with a brush or otherwise apply any abrasive material to the solar panel surface.
 - o 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.

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 (if equipped)

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 floor mat, 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.



Supplied with your new Roadtrek are two sets of small keys. One set unlocks the outside shower; the other unlocks the chrome surround on your spare tire. Find both sets of keys and put one of each on your key ring. Carry them with you whenever you drive your Roadtrek. If you ever need to change a tire, you will need this key.



If your new Roadtrek still has the blue coating on the chrome spare tire cover, remove it as soon as you can. If left on for an extended period, particularly in the hot sun, it will become very difficult to remove.

To lower the continental kit spare tire and gain access to the driver's side rear door of the Roadtrek, unlatch the retaining spring and pull the pin out while supporting the top of the tire with your other hand. (Picture 63.1) It helps to wiggle the tire back and forth to allow the pin to slide out. Place the pin where you won't lose it, and grasp the top of the tire with both hands. Lower it into a horizontal position to allow the driver's side rear door to open freely. The tire will latch when horizontal. (Picture 63.2)



While the tire is spring loaded, it is still fairly heavy. Use proper lifting technique or get help.

Spare Tire Storage (Continued)



Picture 63.1

Retaining pin for spare tire carrier



Picture 63.2

Pull up on the latch to restore the wheel carrier to the upright position

To raise the spare tire back into position, lift the guard over the cable mechanism enough for the catch to clear and allow the tire to be raised. Raise the tire back up into position, and insert the pin. Flip the retaining spring over the end of the pin to secure it.

To use the spare tire, unlock the chrome surround with the key supplied with your Roadtrek, lower the tire, unbolt the tire from the carrier with your lug wrench, and lift the tire off the carrier. Follow the Sprinter manual for instructions on the use of the jack and other tire change procedures. Install the flat tire on the spare tire carrier and reattach the chrome surround.



Do not attempt to raise an empty tire carrier - if you change the tire, put the flat on the carrier before attempting to raise it. NEVER release the latch on a tire carrier without a tire on it. The spring will move the arm of the carrier upward with great force and speed.

Specifications

For general chassis specifications, please refer to the Mercedes 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 Roadtrek Inc. upfits only.

Total fresh water capacity (includes water heater)	36 gallons/136 litres
Fresh water tank capacity	30 gallons/113 litres
Gray water tank capacity	20 gallons/76 litres
Black water tank capacity	10 gallons/40 litres
Battery type	AGM, maintenance free
Optional Lithium battery	200 AMP per module
Battery capacity	220 amp hours (standard) 440 amp hours (optional)
Propane tank size	16 gallons/61 litres
Propane tank capacity at 80%	12.8 gallons/48 litres
Water heater capacity	6 gallons/23 litres
Furnace	16,000 BTUs/hour
Refrigerator	2-way (12VDC, 120VAC)
Air Conditioner	11,000 BTUs/hour

Roadtrek Limited Warranty

How to Obtain the Limited Warranty

The original retail purchaser is responsible for submitting, or having the vehicle dealer submit, a Roadtrek Limited Warranty Registration form to Roadtrek Inc. This limited warranty is not valid unless the Roadtrek Limited Warranty Registration is submitted and received by Roadtrek Inc. within 48 hours after the date of delivery to the first end user. (Warranty is non-transferable)

Obtaining Service

When your Roadtrek needs service, determine if the issue is with the Roadtrek upfits or the Mercedes 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 Mercedes Sprinter rather than a motorhome. Some dealerships do not want to work on motorhomes but most can service a 3/4-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.

Contacting Roadtrek Inc.

Our customer care representatives are available to help answer any questions you may have. Contact us toll free at 800-663-0066 or retailsupport@roadtrekinc.com, Monday to Friday 8:30 a.m. to 5:00 p.m EST. Our representatives can help answer questions regarding our products and services, provide information about warranty coverage and maintenance issues and locate a Roadtrek authorized dealer and service center 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



Roadtrek Inc. typically cannot initiate a case with the chassis manufacturer, the owner must do that.

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

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.

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). For specifications relating to the baseline Roadtrek upfits, please visit our website at www.roadtrek.com. Options and upgrades may change specifications.

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 non-transferable. 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 jump-start, lockout service and emergency fluids. To obtain roadside assistance, call 877-579-7078.

THIS ROADSIDE ASSISTANCE PLAN IS NULL AND VOID IF THE VEHICLE HAS BEEN LEASED OR RENTED FOR COMPENSATION TO ANOTHER INDIVIDUAL OR ENTITY.

Registration

Please send the following form to our email, salesupport@roadtrekinc.com. Your new Roadtrek should be registered on your behalf by your dealer. If that step is overlooked, then please use the following form below and send to us by mail or email.

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																								
																								

After-market Disclaimer

The compatibility of after-market systems and components should be researched thoroughly either with the dealer or manufacture as they may interfere with the performance of Roadtrek Inc., 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 Roadtrek Inc.

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 Roadtrek Inc.

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:

<https://www.roadtrek.com/owners/#section-howto&FAQ>