

Owners Manual



ODYSSEY: Ford 5.4L Gas / Ford 6.8L Gas / Ford 6.0L Diesel

**Turtle TOP - Division of Independent Protection Co., Inc.
67819 State Road 15 - New Paris, IN 46553
574-831-4340 - 800-296-2105
www.turtletop.com**



Your Vehicle Information

Please fill in the following information for your reference.

Chassis Make: FORD E-450

Turtle Top Model: ODYSSEY - 15 Passenger

Vehicle ID Number (VIN): 1FD4E45S18DA18589

Turtle Top Body Number: 103437

Date of Purchase: 6/13/2008

Dealership: Charlotte Bus & RV Sales, Inc.

Dealership's Phone Number: 877-338-2700

Odometer at Time of Purchase: 720

Notes: salesman: Wayne Yates

Please keep this manual in your vehicle, so it will be there if you ever need it when you are on the road. If you sell the vehicle, please leave this manual in it so the new owner can use it.

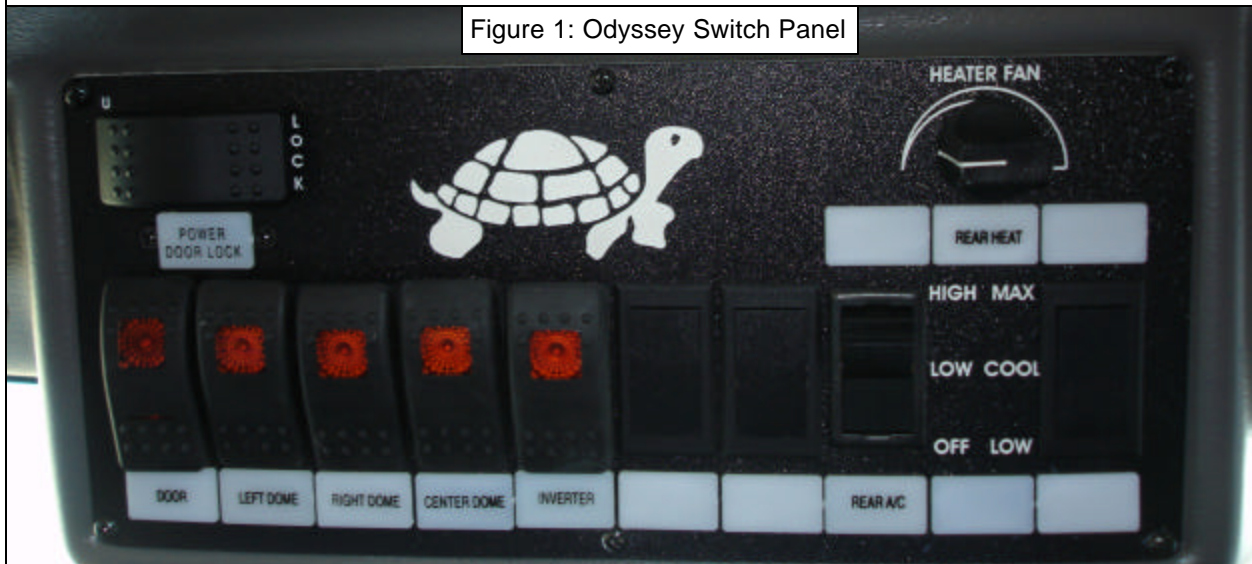


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Controls and Features

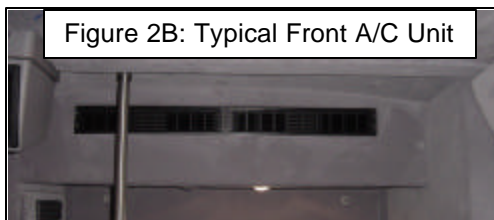
Odyssey Switch Panel Functions:



The switch panel is located in the middle of the cab overhead of the windshield. See Figure 1. Optional features will have separate switches and will be individually labeled.

Air Conditioning and Heat:

The bus air conditioning unit is located either in the rear or the front of the bus towards the ceiling. See Figures 2A and 2B. The heater unit is typically located under one of the rearward passenger seats of the bus. See Figure 3.





Controls and Features

Air Conditioning and Heat Continued:

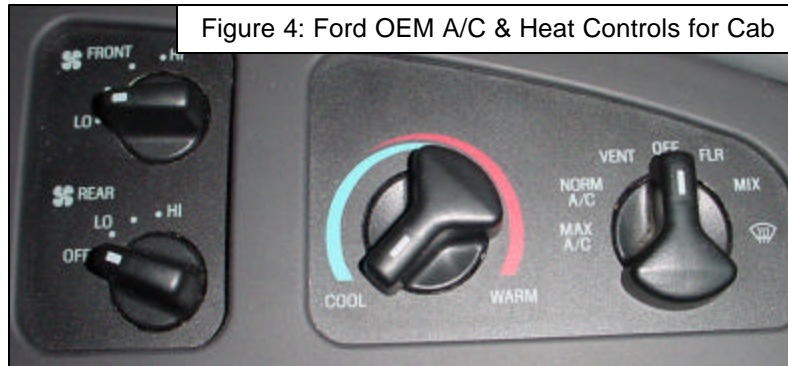


Figure 4: Ford OEM A/C & Heat Controls for Cab

The air conditioning, heat and defrost system for the cab operate from the cab dash selector switches. See Figure 4. Note: The OEM rear selector switch on the dash is inoperative due to the addition of the passenger compartment rear air conditioning unit and heater unit.

The controls for the bus passenger compartment rear air conditioning and heat system are controlled by the Odyssey switch panel selector switches. See Figure 5. Ignition must be on for heat and air conditioning functions to perform.

For passenger compartment heat, turn on the Odyssey switch panel selector knob clockwise for **REAR HEAT**. Turning the knob clockwise turns up the heat setting. The fan speed for the **REAR A/C** is controlled by the selector switch; two settings can be selected for low or high.

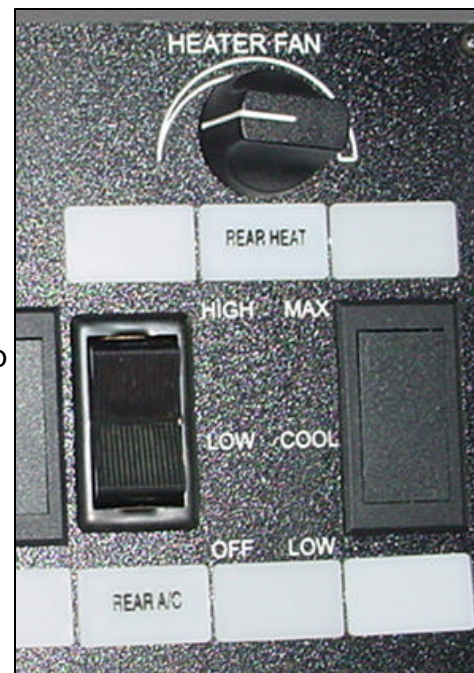


Figure 5: Switch Panel A/C & Heat Controls for Passenger Compartment Comfort



Controls and Features

Air Conditioning and Heat Continued:

Your vehicle may be installed with optional control knobs for controlling the passenger compartment comfort level. Again, the air conditioning, heat and defrost system for the cab operate from the cab dash selector switches. See Figure 4.

The controls for the bus passenger compartment rear air conditioning and heat system are controlled by the Odyssey switch panel selector knobs. See Figure 6. Ignition must be on for heat and air conditioning functions to perform.

For passenger compartment heat or air conditioning, turn the Odyssey switch panel selector knob clockwise for either **REAR HEAT** or **REAR A/C**. The fan speed for the **REAR HEAT** is controlled by the selector knob; two settings can be selected for low and high. The fan speed for the **REAR A/C** is controlled by the selector knob; three settings can be selected for low, medium or high. The temperature for the air condition is controlled by the **TEMPERATURE** knob. Turn clockwise for colder settings.

Larger air conditioning units (Trans Air 7700 series: 87K and 95K BTU systems), in order to properly cool the front driver's cab area, the rear A/C controls for the passenger compartment area must be on.

Door:

The electric door operates with the ignition on and the switch engaged. Push the **DOOR** switch up to open the door and push the switch down to close the door. See Figure 1. Center dome lights and optional lift doors lights go on with the operation of the door switch.



Figure 6: Switch Panel Optional A/C & Heat Controls for Passenger Compartment Comfort



Controls and Features

Interior Lights:

The interior ceiling dome lights are controlled by the **LEFT DOME**, **RIGHT DOME**, **CENTER DOME** switches. See Figure 7. The **LEFT DOME** switch controls the dome lights on the driver's side of the bus. The **RIGHT DOME** switch controls the dome lights on the passenger side of the bus. The **CENTER DOME** switch controls the center ceiling dome lights, step-well lights (See Figures 8A & 8B), lift doors lights if the bus is equipped with wheelchair lift doors (See Figure 9) and one ceiling cab dome light. The dome light directly above the driver is controlled by the Ford OEM headlight knob on the dash.



Figure 7: Ceiling Dome Lights



Figure 9: Lift Door Lights



Figures 8A: Step-well Lights on



Figures 8B: Step-well Lights on
Side of the Steps

Red LED lights above windows and doors indicate emergency exits. See Figure 10.

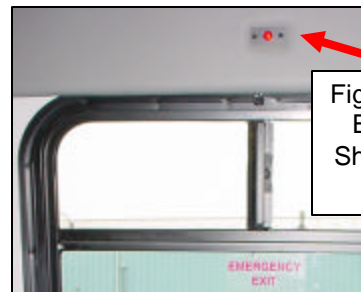


Figure 10: Emergency
Exit Indicator Light
Shown Above Egress
Window



Controls and Features

Exterior Lights:

Rear brake/tail lights, rear turn lights, clearance (marker) lights are L.E.D. lights. Back-up lights and the license plate light are incandescent lights. Back-up lights may be LED if ordered as such.

Rear Brake / Tail, Turn and Back-up Lights / Clearance (Marker) Lights:

To access the rear brake, turn and back-up lamps (See Figure 11) gently pull the outer gasket at the notch. The gasket and lamp will pop out and the assembly unplugs on the rear of the lamp; replace with a new assembly. Reset the lamp and gasket into the opening being careful not to pinch the gasket in order to maintain a tight water proof seal. Clearance lamps (See Figures 11 and Figure 12) have a socket that twist out from the rear and are also accessed from behind the lamp. L.E.D. lamps should not need replacing for the life of your vehicle, but both L.E.D. and incandescent light replacements can be ordered through your selling distributor.



Figure 12: Front Clearance Lights

License Plate Light:

The license plate light can be accessed by removing the screws on each side of the lens to access the bulb for replacement. See Figure 13.

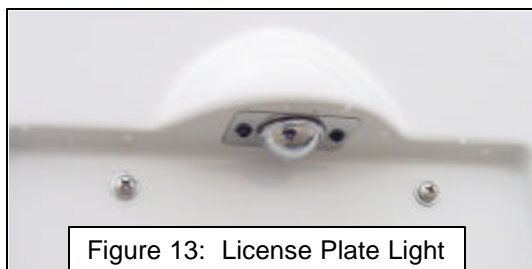


Figure 13: License Plate Light

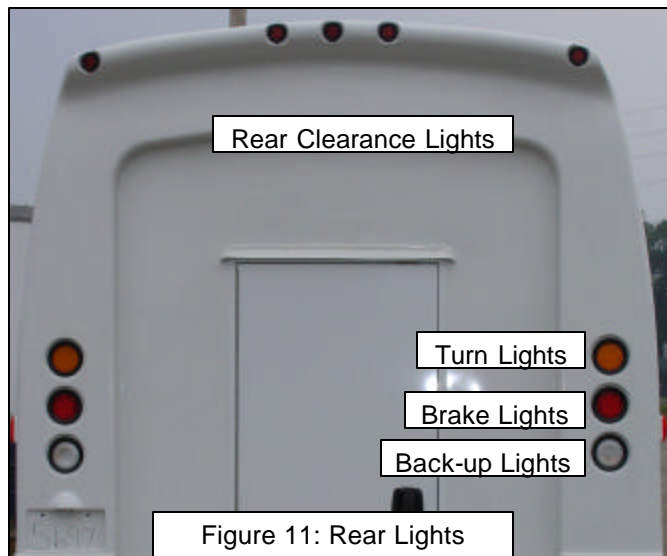


Figure 11: Rear Lights



Controls and Features

Front Entrance Door Emergency Release Handle:

In case of power failure, egress can be achieved through the front entry / exit door. Disengaging the red emergency release handle will allow doors to open. Grasp handle above side door (See Figure 14) and turn counter-clockwise 90 degrees (See Figure 15). Push doors open to egress. To reset handle so that doors are controlled by switch power, close doors and return handle clockwise 90 degrees.



Figure 14: Front Entrance Door Emergency Release Handle



Figure 15: Front Door Release Handle in Door Open Position

Egress Windows:

Egress windows can be opened by pulling the red release handles on each side of the egress windows (See Figure 16) outward from the window frame and push out on the window; the window will swing outward. To close window, ensure that the red handles are extended and that window is seated tight against the rubber window seal in frame. Return the red release handles to the normally closed position. See Figure 17. Your vehicle may have an egress window in the rear instead of a rear door; handles are on the bottom sill of the window instead of on the window sides.



Figure 16: Emergency Egress Window



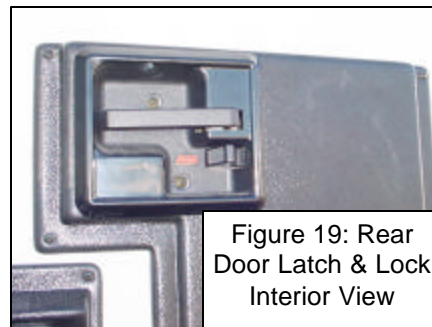
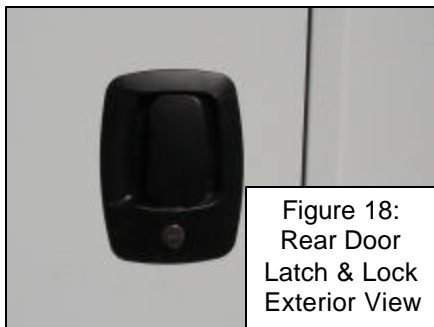
Figure 17: Egress Window Release Handle in Closed Position



Controls and Features

Rear Door Latch and Lock:

Close rear door by slamming the door shut so that door is fully closed. Latch can be locked from the exterior by inserting the key and turning it. See Figure 18. Rear door can be locked from the inside; pull lock button outward to lock; push in to unlock. See Figure 19. Power door locks are controlled by switch on the switch panel; **“POWER DOOR LOCK”** switch does not control cab door OEM power locks. Optional wheel chair doors will be controlled by switch on switch panel.



Battery Compartment:

Batteries are located in exterior compartment located adjacent to the entrance door or located to the rear of the passenger side of the bus. See Figure 20. Open compartment door by pressing thumb latch. Turn thumb latch to open up door to battery tray. Pull out door hold open prop and turn up to hold battery compartment door open. See Figure 21. Pull latch up on battery slide-out tray to release tray to slide outward to service batteries. See Figure 22.



Figure 20: Battery
Compartment Door



Figure 21: Battery Door
Thumb Latch



Figure 22: Battery Tray Latch



Controls and Features

Electrical Cabinet:

The electrical cabinet is located on the cab front wall overhead of the driver or on the forward front bulkhead wall. See Figure 23. The components, circuitry and wiring for the vehicle's functions are located on the backside of the electrical cabinet door or inside the cabinet. See Figure 24.

The electrical cabinet is not to be used for storage. The electrical components are not to be tampered with or the warranty may be voided. Only qualified service technicians should work on the electrical components located inside the electrical cabinet.



Figure 23: Electrical Cabinet Front Wall of Cab

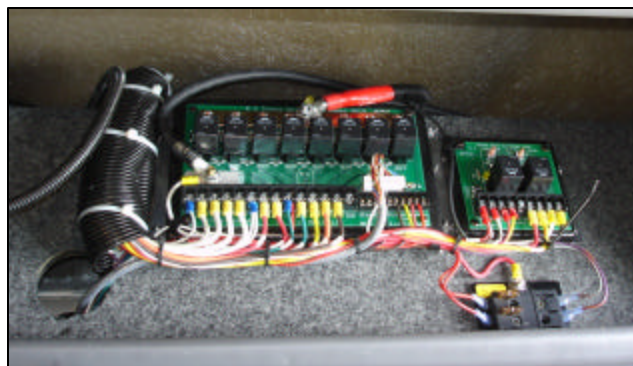


Figure 24: Electrical Cabinet Interior Components



Options

Escape Hatch in Roof:

Turn handle on hatch and push out to open. To close, ensure that the hatch is seated tight against the seal in the frame and turn handle to return it to the normally closed position. See Figure 49.



Figure 49: Roof Escape Hatch

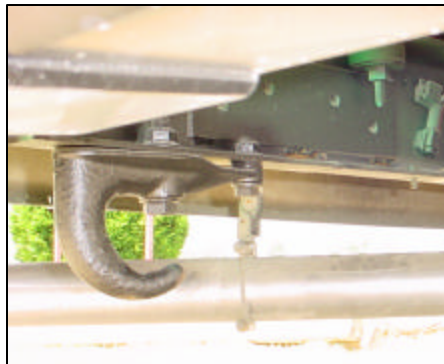


Figure 50: Tow Hook Underneath Rear of Vehicle

Tow Hooks:

Two tow hooks are provided at the rear of the vehicle to permit towing and lifting of the bus. See Figure 50.

~~Spare Tire:~~

~~The spare tire may be mounted just ahead of the rear bumper (See Figure 51) or shipped loose. When checking tire pressure be sure to check the spare tire also.~~



~~Figure 51: Spare Tire Mounted~~



Options

Heated Power Mirrors:

Vehicles equipped with heater remote power mirrors have a switch and controls located on the driver's door panel. See Figure 58. The switch above the control panel powers the heat feature for both mirrors. Below the switch is a control panel that has a lever in the center of it. This lever allows you to select the mirror you wish to adjust, Right or Left. The small buttons with arrows allows you to adjust the mirror in the direction of the arrow.



Figure 58:
Heater Power
Mirrors Control

Entrance Door Exterior Key-Operated Switch:

An optional external key switch is available to allow use of the entrance door from the outside of the bus. This switch operates the door without the need for the ignition to be turned on. See Figure 59.



Figure 59: External Door
Key-Operated Switch

Hourmeter:

An optional hourmeter is available to assist with determining scheduled maintenance. See Figure 60.



Figure 60: Hourmeter

Back-Up Alarm:

Your vehicle may be equipped with a audible back-up alarm that sounds when the vehicle is put into reverse.

Battery Disconnect Switch:

Optional battery disconnect switch is located on rearward wall inside battery compartment.

Turning disconnect switch to OFF cuts power to the bus body only. See Figure 62.



Figure 62: Battery Disconnect Switch



Options

Safety Equipment:

Fire Extinguisher:

The fire extinguisher is located in the cab in front of the wall next to the entrance door or behind / next to the driver's seat. See Figures 63A & 63B. The fire extinguisher is a five pound dry chemical type with an A-B-C rating. Fire extinguisher should be inspected periodically for proper charge level and re-charged or replaced as necessary.

Reflector Kit:

The reflector kit is located behind the driver's or passenger's seat. See Figure 64. The kit contains three reflective triangles and is to be used as a warning device should the vehicle become disabled.

First Aid:

The bus may be equipped with a first aid kit and / or blood-borne pathogen kit. See Figure 64.



Figure 63A: Fire Extinguisher Installed Next to Entrance Door



Figure 63B: Fire Extinguisher Installed Next to Driver's Seat



Figure 64: First Aid and Reflector Kit

PLEASE KEEP THIS MANUAL IN YOUR VEHICLE SO IT WILL BE THERE IF YOU EVER NEED IT WHEN YOU'RE ON THE ROAD.



Care of Your Vehicle

Interior:

- Fabric seats can be spot cleaned with fabric cleaner. Vinyl or leather seats may be cleaned with a damp cloth or commercial seat cleaner.
- Flooring can be cleaned with soap and water or a commercial surface cleaner.
- Windows and doors can be cleaned with soap and water or a commercial window cleaner.
- Walls and ceiling can be cleaned with soap and water or a commercial surface cleaner.

Exterior:

- Windows and doors can be cleaned with soap and water or a commercial window cleaner.
- Paint and decals should be gently cleaned with a commercial car care cleaner without abrasives.
- Periodically wax the exterior finish with a mild commercial grade wax product.
- Tires can be cleaned with a commercial tire cleaner.

The interior and exterior of your bus is intended to be easy to care for, however a few precautions must be observed:

- Do not use abrasive cleaners on the exterior of your bus as damage to the paint or decals may result.
- Use caution when using pressure-washing equipment to clean the exterior of your bus. The high-pressure water can remove decals and/or damage painted stripes.
- Do not use solvents or solvent based cleaners on any surface of your bus. Solvents can remove paint, discolor fabric and vinyl or otherwise damage the surface you intend to clean. In most cases, clean soapy water is sufficient to clean most surfaces of your bus.

**Maintenance and care
is the key to a long
and trouble-free
experience with your
Turtle Top bus.**



Maintenance Schedule

Please refer to the Ford Owner's Scheduled Maintenance Guide in the vehicle packet of information. These guides include information on owner's checks and services, maintenance schedules, special operating conditions, service records, general maintenance information, engine specifications and troubleshooting.

The Maintenance Schedule intervals are every 5,000 miles. Your bus operation may require more frequent intervals for maintenance, such as every 3,000 miles, due to urban stop-and-go driving.

The following recommendations for inspection and/or service should be performed daily or during the maintenance intervals every 5,000 miles.

Inspection or Service Item	Daily	Every 5,000 Miles
Alignment: check for front end tracking		X
Batteries: check cables for tightness / batteries for charge		X
Brake Fluid: check reservoir level	X	
Bumper: check mounting and bolt tightness		X
Cooling System: check fluid levels, leaks, loose or damaged components	X	
Driver's Seat: mounting and bolt tightness		X
Door Seals: check all for damage	X	
Egress Windows: check for damage, leaks & operation		X
Entry Door: check for proper operation and adjustment	X	
Exhaust System: check for damage, loose hangers & leaks	X	
Exterior Body Appearance: walk around and inspect	X	
Exterior Lights & Headlamps: check all for function	X	
Exterior Mirrors: check mounting and bolt tightness		X
Fender Flares / Mud Flaps: check mounting & bolt tightness		X



Maintenance Schedule

Maintenance Schedule Continued:

Inspection or Service Item	Daily	Every 5,000 Miles
First Aid Supplies: check inventory & re-supply as needed		X
Grab Rails & Stanchions: check for loose screws		X
Grease latches at top and bottom of rear entry door		X
Heat Shield: inspect for looseness, rattles and damage		X
Interior Mirror: check for mounting and bolt tightness		X
Interior Lights: check all for function	X	
Interior Trim: check for damage and/or missing hardware		X
Modesty Panels: check for loose screws, other damage		X
Mobility Aid Lift / Interlock System: check functions & cycle	X	
Occupant Restraints / Belts: check all for damage & wear	X	
Parking Brake: check operation	X	
Passenger Seats: check mounting and bolt tightness		X
Power Steering Fluid: check reservoir level	X	
Roof Escape Hatch: check for damage, leaks & operation		X
Tires: check air pressure and wear	X	
Underbody Inspection: check for cracks on frame, welds and cross members		X
Underbody Inspection: check wiring and hoses		X
Underbody Inspection: check for & remove any accumulations of dirt and road salt		X
Windshield Wipers: check function and blades for wear	X	
Windshield Washer Fluid: check reservoir level	X	
Wheelchair Restraints: check all for damage and wear	X	

Please refer to the Ford Scheduled Maintenance Guide included in the vehicle packet for further information on general maintenance.