

# Dash Instrumentation

## A Helpful Guide



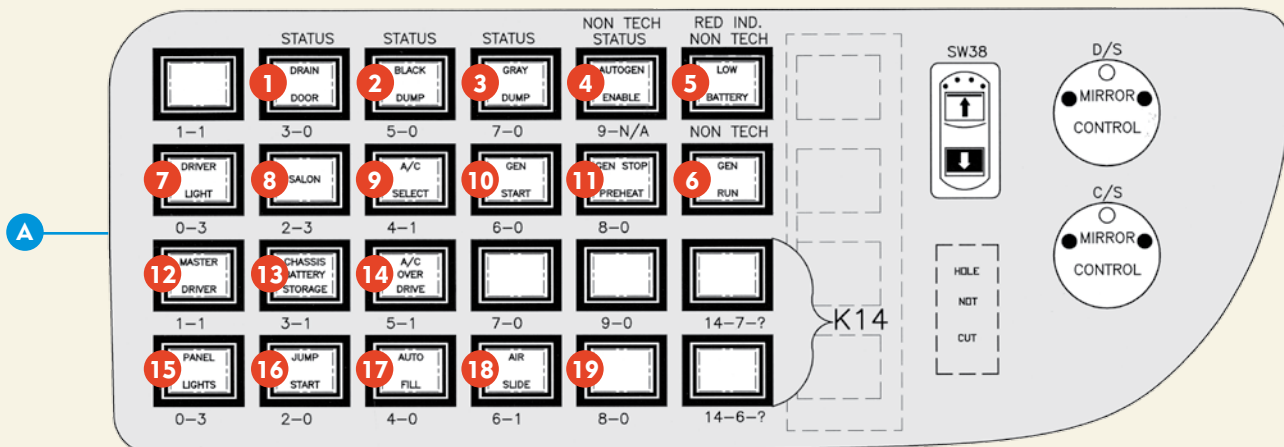
by Sharleen Nelson

The word “dashboard” can be traced as far back as the early 1600s, long before motor-powered automobiles ever hit the road. The word was originally used to describe a rudimentary piece of wood or other material attached to the front of a horse-drawn buggy. The board was used to protect the occupants from “dashing”—from the word “dash,” which meant “to break into pieces” or “to smash into violently.” These early dashboards served as protection to anyone driving or riding in the buggy from being harmed by dirt, rocks, ice, or other objects that horses might kick up as they trotted down the road.

The complex dashboards of today are high-tech units that can include everything from your basic cluster of gauges, warning lights, light-

ing/wiper controls, and heating and ventilation modules, to cruise control, global positioning systems, and sophisticated audio components such as satellite radio and iPod functions. Likewise, a luxury Marathon coach features the dash items listed above, and then some.

To help you navigate your coach’s dashboard, we’ve compiled a partial list of dash functions, along with brief descriptions; keep in mind that dash setup/switches may vary depending on the model/year of your particular coach. The basic dash instrumentation (odometer, speedometer, etc.) has been omitted to focus primarily on the instrumentation located on the left- and right-hand driver’s side dash, and the driver’s lateral control panel.



#### A. Driver's Side Left (located to the left of the dash panel)

There are 19 LED indicator lights in this area.

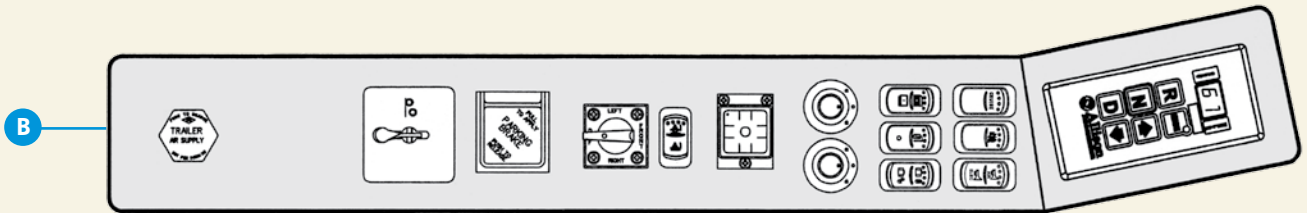
1. **DRAIN DOOR:** Lights with ignition to indicate that the drop door for the shore cord/ sewer hose is down.
2. **BLACK DUMP:** Lights up to indicate that valve is open.
3. **GRAY DUMP:** Lights up to indicate that valve is open.
4. **AUTOGEN ENABLE:** Indicates that the Auto Generator start system is active through the Xantrex Inverter Remotes. Will start the generator if the battery voltage drops to 21.8-V, or if time parameters are met.
5. **LOW BATTERY:** This warning beeper activates if the battery voltage drops below 21.8-V.
6. **GEN RUN:** Indicates that the generator is running.

#### The rest of the panel includes, from left to right:

7. **DRIVER LIGHT:** Turns on/off overhead interior light on driver's side.
8. **SALON:** Salon lights on/off.
9. **A/C SELECT:** Transfers A/C power between front A/C and back A/C while operating air conditioners on the inverter circuit.
10. **GEN START:** Press to start the generator. Hold until gauges show that the generator is running.
11. **GEN STOP/PREHEAT:** Press to stop the generator or press and hold to preheat the

generator in sub-freezing temps. Do not preheat for more than 15 seconds.

12. **MASTER DRIVER:** This is the master light switch, which turns off all interior 12-V lights. It is similar to the master switch in the entrance switch group. Controls ceiling lights throughout the coach.
13. **CHASSIS BATTERY STORAGE:** Press to turn the chassis battery charger on; shuts off when engine starts.
14. **A/C OVER DRIVE:** Increases the house A/C fan speed.
15. **PANEL LIGHTS:** Dims or turns backlight on/off. Press and hold to brighten or dim.
16. **JUMP START:** Press to connect house batteries to chassis battery systems to jump-start the coach. When the batteries are interconnected, the JUMP START light will remain on until the coach is started.
17. **AUTO FILL:** Press to engage the fresh-water tank auto-fill mode. The fresh tank level needs to be below 50% to engage auto-fill. The system will automatically shut off when the freshwater tank is full.
18. **AIR SLIDE:** This button slides the step cover in/out over the entry steps. When the air slide is extended, press again to retract it.
19. **CAP (on XL only):** This button controls on/off of the "Marathon" light on the front roof cap of the coach.



## B. Driver's Control Panel

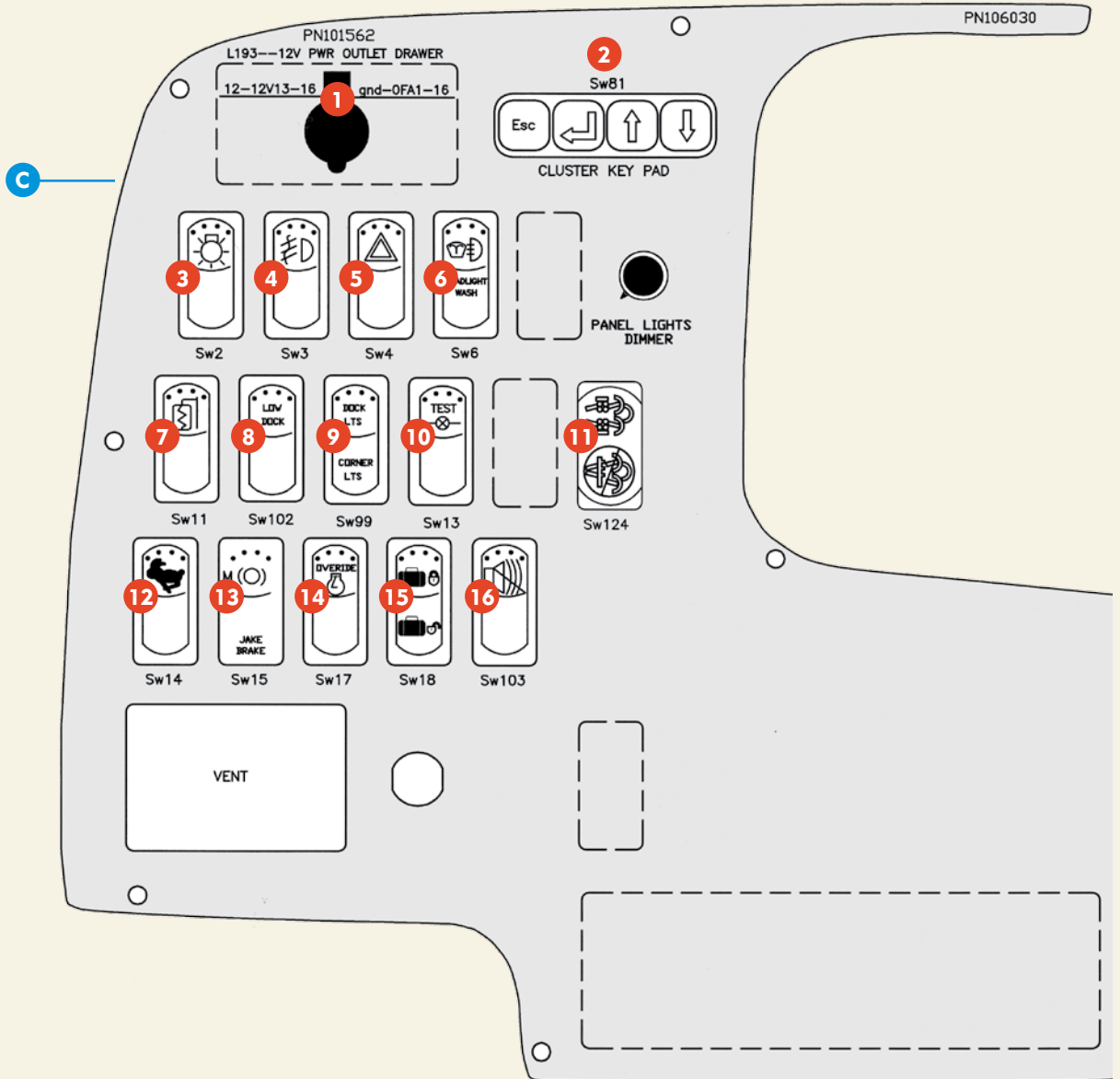
This panel, located directly below the driver's side left, includes the coach's parking brake and leveling controls. Spring-loaded parking brakes are applied by pulling up the control valve knob and protector assembly. Lift the safety cover and push down to release brakes.

If the vehicle is parked on uneven ground, the manual override leveling system can be used to level the chassis of the vehicle. With the ignition ON (engine running or not), turn the selec-

tor switch—located on the left-hand side control panel—to the area of the vehicle that requires leveling. Then press the height control switch accordingly (up or down) to inflate or deflate the selected set of air bags. The front position raises or lowers the front only and does not tilt the vehicle to its sides. Each rear position raises or lowers its respective side, therefore, the rear positions can be used to tilt the vehicle to one side or the other, or they can be used to raise or lower the rear of the vehicle.

## C. Dashboard: Left

1. 12-V outlet for charging cell phone, etc.
2. The Cluster Key Pad contains the coach's Message Center controls. Included are escape, enter, and scrolling buttons for moving through the various menus. This standard feature gathers, stores, and displays important information about the vehicle's operation on a display screen.
3. **Headlights and Exterior Lighting**
  - OFF position: daytime running lights only.
  - Press this rocker switch to turn on the following lights:
    1. First position: Front parking lights, taillights, clearance lights, marker lights, license plate light.
    2. Second position (push down fully): the headlights, the controls and instrument lights, and all lights from the first position. (*NOTE: Daytime running lights will be automatically cancelled when the exterior lighting switch is fully depressed.*)
4. **Fog Lights (optional)**  
Optional halogen fog lights provide better visibility in fog and precipitation. They improve close range visibility and provide added safety.
5. **Hazard Warning Flashers**  
Press the rocker switch to make all turn signal lights flash at once. The dashboard telltale lights will flash when the hazard warning flashers are ON.
6. **Upper Windshield Wipers (optional)**  
Press the rocker switch to the first position to activate the upper wipers intermittently. Press to the second position for continuous operation of the upper wipers.  
**Upper Windshield Washer (optional) and Headlights Washer**  
Press this rocker switch upward to spray the upper windshields with washer fluid. Windshield wipers will automatically come on and stop a few seconds after releasing the switch. Momentarily press this rocker switch downward to spray the headlight's washer fluid.
7. **Mirror Heat**  
Press this switch to turn on heat to defrost the outside mirror.
8. **Low Docking**  
Press the rocker switch to reduce cornering and the docking light's intensity.
9. **Docking/Cornering**  
Press this rocker switch upward (docking) to illuminate the cornering and docking lights. Press the switch rearward (cornering) to illuminate the cornering lights when signaling a left or right turn. Works with turn signals to light up corners.
10. **Test Light**  
Turns on all dashboard icons.
11. **Manual Regeneration/Stop Regeneration**  
Manual Regeneration: The DPF (diesel particulate filter) regeneration lamp illuminates to notify the driver of the need and



urgency of a manual stationary regeneration. On long trips soot can accumulate in the exhaust system filter. If stationary regeneration is not performed, the telltale light will blink, indicating that a stationary regeneration is required immediately. If stationary regeneration is still not performed, the engine may shut down.

### 12. Fast Idle

For extended idling periods, run the engine at fast idle. Press down the rocker switch to engage fast idle. This increases the engine speed to approximately 1,000 rpm. Return to normal idle before driving or when stopping the engine.

### 13. Engine Brake (Jake Brake)/Transmission Retarder

Reduces speed without having to press brakes to overheat. Use this switch to toggle between the transmission retarder and engine brake when using the vehicle speed retarding device switches on the steering wheel.

### 14. Engine Stop Override

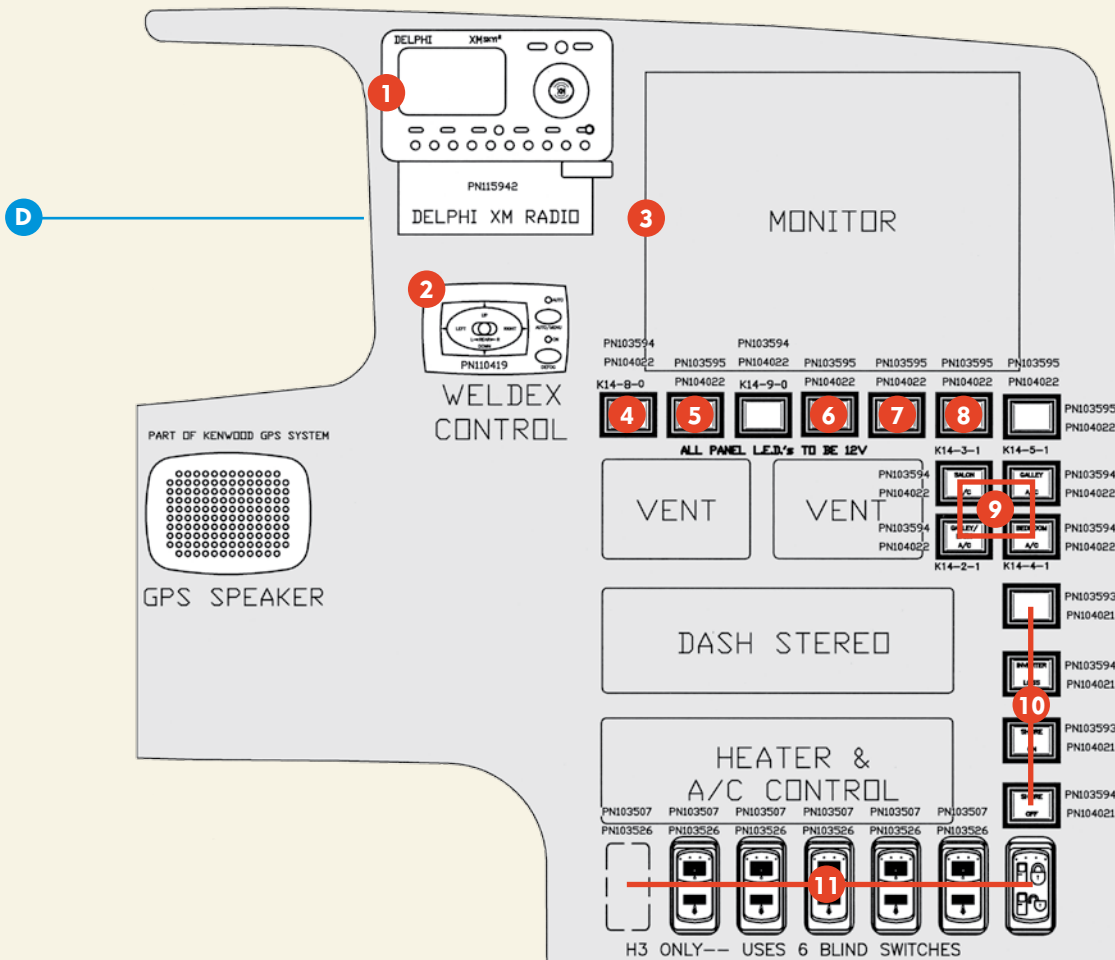
If the engine overheats or oil pressure is low and the telltale illuminates, this function allows you to start the engine and get to a safe parking place.

### 15. Bay Door Locks

Locks/unlocks the underbelly doors.

### 16. Back-Up Alarm Off/On

Allows you to turn the beeping sound off when backing up.



#### D. Dashboard: Right

1. **XM Satellite Radio**
2. **Side Camera Controls**
3. **Monitor:** Includes TechLink info, backup monitor, GPS, video that can be viewed with or without the ignition on.

The next five buttons control the functions of the monitor:

4. **SCREENS:** Scrolls through TechLink displays only. Also displays the view from the backup camera when B/U MONITOR is selected, or automatically defaults when transmission is shifted into reverse. Alternates between four different information screens (*NOTE: B/U MONITOR switch must be in the OFF position.*)
5. **B/U MONITOR:** Turns the backup camera on or off. The camera is on when this switch is depressed.
6. **DISPLAY DISABLE:** Turns off the power to the backup/monitor.
7. **GPS:** Selects GPS mapping display on dash monitor.
8. **VIDEO MODE:** This button controls modes that can be viewed on the dash monitor

only. (*NOTE: The dash monitor functions only when the vehicle is idle.*)

9. The cluster of four buttons located next to the air vents are the A/C master switches for controlling the A/C in the salon, galley, bath, and bedroom areas.
10. The four indicator lights (similar to warning lights) to the right of the stereo include:
  - **ANTENNA UP:** Indicates that the television or satellite antenna is in the UP position.
  - **INVERTER LOSS:** Indicates that power to inverter #1 has been lost. This is the inverter that powers the refrigerator. Push to reset and turn off this indicator light.
  - **SHORE ON:** Indicates that the coach is connected to shore power.
  - **SHORE OFF:** If the coach was connected to shore power, this indicates that the connection has been lost. Push to reset and turn off the indicator beeping light.
11. The switches directly beneath the heater/A/C control operate the blinds in the dash area of the coach. •