

Modifications and Additions

1. Added ventilated shelving to rear closet and in cabinets over PS couch.
2. Added Progressive Industries 50 Amp EMS system, along with TWO remote displays. **\$395.00**
3. Two pieces of steel added under the tank bay for additional support.
4. Insulated water line to Refrigerator Ice Maker.
5. Cut and installed carpet for inside steps and outside steps.
6. Replaced 50 G-4 Halogen lights with LED lights. **\$ 375.00**
7. Added 250 watts of Solar panels to OEM installed 110 watt panel. **\$ 1,510.00**
8. Replaced LP cooktop with Electric Jenn-Air cooktop, installed wiring and 20 Amp circuit breaker in main electrical panel. **\$ 93.00**
9. Modified both fuel fill hoses to allow fuel pumping without back splash.
10. Moved fuel fill to allow fuel fill doors to close.
11. Installed front quarter panel amber turn signal and clearance lights. **\$ 38.00**
12. Relocated rear skirt further to the rear to prevent damage to coach/engine.
13. Added seals at power cord reel to prevent air and sand entry into the coach.
14. Purchased and modified Genturi for Aqua-Hot use. **\$ 140.00**
15. Modified standard Genturi for easier installation and use. **\$ 125.00**
16. Installed three way switches to provide three way lighting control for the center row of living room lights.
17. Raised generator exhaust pipe two inches to better prevent damage from road debris striking exhaust pipe.
18. Fully insulated front cap area in order to decrease heat load in coach.
19. Installed bed lift handle to allow one hand operation of the bed.
20. Added tubing between carpet and slide roller to dampen roller noise.
21. Painted bare metal I HWH leveling compartment.
22. Relocated Vacuum to new location between the frame rails and out of the Aqua-Hot compartment.
23. Re-organized the Aqua-Hot compartment, moved control panel higher on the board to allow easier access to the Aqua-Hot.
24. Installed fuel shut off valves Aqua-Hot fuel filter to aid in replacing the fuel filter. **\$ 9.00**
25. Installed an Hour Meter on the Aqua-Hot, meter used to determine Aqua-Hot fuel consumption. **\$ 9.00**

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26. Wired Aqua-Hot fuel meter to fuel solenoid for more accurate metering of fuel.
27. Designed, built and installed a new compartment replacing removed LP tank with an additional 6 - 6 volt house batteries along with a battery tray. **\$ 1,321.00**
28. Replaced ALL fixed ceiling AC/HP supply vents with vent that can be rotated and or closed. **\$ 32.00**
29. Replaced incandescent entry panel switch lights with LED lights.
30. Installed water pressure gauge in water filter line. **\$ 4.50**
31. Installed valve, used when flushing Gray water tank. **\$ 15.00**
32. Installed cable TV power amplifier. **\$ 21.00**
33. Installed an aluminum dump valve support strap.
34. Installed fresh water expansion tank, used to prevent excess cycling of the water pump. **\$ 35.00**
35. Cut and installed "Saddle Bag" shelving on both sides of the coach basement attached wiring to chassis frame rails. **\$ 56.00**
36. Installed Magnum Energy BMK (Battery Monitoring Kit). **\$ 176.00**
37. Insulated outside refrigerator rear access panel.
38. Installed and wired a 20 Amp outlet to be used for powering electrical devices outside the coach. **\$ 18.00**
39. Installed a second set of pantry door catches to prevent damage when opening/closing slide if pantry doors pop open during travel.
40. Installed electric control panel to allow opening the driver's side window if locked outside of the coach. **\$ 23.00**
41. Installed air pressure gauges in the tag axle air bag piping, gauges display air pressure in the tag axle air bags when dumped or inflated. **\$ 24.00**
42. Installed Panasonic sound bars to both bedroom and outside TV's. **\$ 210.00**
43. Fabricated and installed driver's window screen latch so screen can move with electric window.
44. Installed 1" thick wood spacer between the driver's side wall and the cub holder allowing room for a cup to be placed in the cup holder.
45. Drilled hole in generator slide rail to allow easier access to the two 10MM screws securing the generator's fuel filter.
46. Installed computer fan in half bath heater vent, fan is powered when the Aqua-Hot heat exchanger is active.
47. Installed 12 volt lighting in both the generator and engine compartments. **\$ 12.00**

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48. Fabricated and installed a dash AC condensate drain to route condensate past the generator wiring harness. **\$ 2.50**
49. Modified wooden cover to power cord access to prevent reel from dragging on the closet floor.
50. Installed second generator start/stop switch on opposite night stand. **\$ 15.00**
51. Modified Passenger chair mounting allowing passenger seat to be mounted further forward allowing the passenger seat back to be reclined while slide is retracted. **\$ 65.00**
52. Modified Driver chair mounting raising the seat allowing the driver to sit more comfortably and for easier viewing of the dash instrumentation. **\$ 45.00**
53. Installed two wire flasher in third brake light wiring, allows the third brake light to flash when the service brake is depressed.
54. Quad 120 volt outlet installed in rear bath allowing for charging electric razor, curling iron or etc. on an electrical circuit separate from the rear bath outlet.
55. Installed closet AC supply vent to aid in cooling closet area.
56. Replaced incandescent entry panel lighting with LED's indicating when a switch is turned ON.
57. Installed two low pressure acting tag axle dump valves to aid when dumping tag axle air bags.
58. Installed lighted LP/CO detector switch providing option of turning off the switch when coach is garaged.
59. Installed a pair of RED LED indicators in the dash panel, the LED's are illuminated when the tag axle air bags are dumped. **\$ 25.00**
60. Installed and wired additional 12 volt and 120 volt outlets behind the steering column. **\$ 23.00**
61. Removed OEM bedroom wall art, replaced it with wall art which does not extend as far from the wall. **\$ 30.00**
62. Designed, built and installed spare tire carrier for the coach's spare tire and wheel. **\$ 393.00**
63. Cut, sewed and installed color matching spare tire cover.
64. Plugged two 1" openings on the back side of the door awning, prevent wasp from building nests.
65. Installed Tiffin Powerglide exhaust systems recall # 12V-526.

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66. Installed four additional coolant shut off valves in addition to the two shut off valves installed by Tiffin. Six - valves control coolant to the Aqua-Hot, Dash Heater, and DEF heaters. **\$ 65.00**
67. Insulated both Aqua-Hot dash heater coolant tubes.
68. Created easier access for washer filter clean-out while retaining washer security preventing washer from moving while traveling.
69. Installed gasket material under bed preventing air leakage when the bed slide is extended.
70. Installed toilet flush water supply valve to control water to toilet if necessary, both toilets. **\$ 16.00**
71. Installed female hose connection on water tank drain, allowing the tank to be drained while garaged by connecting a water hose or to aid in filling the tank thru the tank drain valve.
72. Installation of three additional LED lights over the rear bathroom sinks. **\$ 24.00**
73. Installed reflective heat shielding under floor of coach and over the engine. **\$ 40.00**
74. TST TPMS repeater installed in the rear closet.
75. Created rear ladder storage and mounting inside coach's rear cap.
76. Created seal for Docking Lights preventing water or debris from entering the glass dome.
77. Trimmed top off half bathroom door to allow better AC and het entry.
78. Fabricated and installed generator switch cover used to prevent animal from starting or stopping the generator by stepping on the switch.
79. Installed two electrical panel vents to aid in removing heat from the electrical panel enclosure.
80. Installation of a safe cubby hole for access to the dryer vent hose and a location to hide valuables.
81. Fabrication and installation of a roof AC condensate collector combining three drain lines into one drain line for easier collection.
82. Drilled drain holes in Lippert step mount, allowing water splashed up under the coach to drain from step mount.
83. Fabricated and installed mounts to allow the Solar Panel to be elevated so they can be better directed at the sun.
84. Manufactured and installed 5" square dump hose container from PVP post to mount under the coach to store the hose when not being used. **\$ 23.00**

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85. Extended the Tri-Mark keyless entry antenna to provide for longer range operation.
86. Installed air manifold shut off valve to make air hose connection easier. **\$ 12.00**
87. Installed two dual USB chargers, one on dash and second near passenger chair. **\$ 29.00**
88. Installed “Mud Flap” between the front passenger side tire and the Lippert Coach steps to prevent debris from getting on step carpet.
89. Replaced ALL small bore engine coolant hoses with Silicone Flexfab hoses. **\$ 96.00**
90. Installed stand- off brackets to prevent the air filter hose from being worn/torn by steel on coach rear cap.
91. Installed white LED lights in stepwell and over Lippert entry steps. **\$ 12.00**
92. Installed wall mounted half bath toilet fill/dump switch. **\$ 78.00**
93. Installed OEM closet wall safe in rear closet. **\$ 125.00**
94. Replaced the OTA Mini-State wired antenna with a Wireless Mini-State OTA antenna. **\$ 100.00**
95. Replaced the old driving/fog lights with new and better light output lights. **\$ 21.00**
96. Replaced Tiffin’s electro-mechanical (White-Rogers) “Charge Solenoid” with a Solid State 200 Amp Solenoid by Waytek. **\$ 300.00**
97. Performed NHTSA Recall 14V271, 1 Amp fuses for front and rear LED clearance lights.
98. Removed lower pantry doors and installed an electric Fireplace. **\$ 90.00**
99. Replace 51 feet of hot water PEX with a by-pass line of 20 feet of PEX, straight shot between the Aqua-Hot and the shower. **\$ 12.00**
100. Installed LED lighting strip under the OTD (Over The Door) awning. **\$ 10.00**
101. Installed four hinges on the passenger side wet bay door, now the door can be opened to the side rather than needing to be completely removed for access. **\$ 25.00**
102. Wire shelving installed inside the passenger side wet bay door over the tanks.
103. Cut and installed four wider and longer mud flaps. **\$ 51.00**
104. Cut and rounded corners of the bed platform and tapered the side board to prevent bumping knees when climbing into and out of the bed.

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105. Installed support bracket under the air filter canister, to prevent the turbo piping from dragging on the alternator pulley.
106. Tiffin attempted to install a half bathroom wall anchor several times I installed a permanent wall anchor.
107. Relocated basement thermostat from behind passenger side wet bay door to driver side in the wet bay.
108. Installed metal plate over the dash air box to prevent outside air and animals from entering the coach.
109. Installed insulation on both engine coolant dash heater hoses.
110. Installed under coach LED lighting under the coach on frame rails.
\$ 28.00
111. Installed Amp-L-Start after OEM Battery Minder quit working.
\$ 30.00
112. Installed a Zerk Fitting into the Lippert Coach Step shoulder bolt bracket and added grease.
113. Replaced Powerglide Engine Brake rocker switch with a Freightliner Engine Brake Paddle switch after modifying switch connections.
114. Removed Mini-State wireless OTA antenna and replaced it with the Winegard Rayzar OTA antenna. **\$ 332.00**
114. Removed old OEM carpet, replaced with 14mm Laminate hand scraped flooring. **\$ 145.00**
115. Installed new bottom slide seal under center of bedroom bed slide.

Modifications and Additions	TOTAL	\$ 6,904.00
8 New Michelin 295 Tires (10-12-2015)		\$ 6,218.62
Cost of modifications, upgrades and tires.		\$ 13,122.62