

<b>ELECTRICAL AC AND DC SYSTEMS</b>		<b>Notes</b>
	<p><b>Lights</b></p> <p>Most RV light fixtures, aside from lamps, are 12-Volt DC, powered through the coach converter or directly from the coach batteries. Do all the coach lights work?</p>	
	<p><b>AC power outlets</b></p> <p>Test all 120-Volt AC outlets when the coach is connected to shore power using an outlet tester. Do all the outlets work? Do any outlets show a wiring fault?</p>	
	<p><b>GFCI outlets</b></p> <p>Test all 120-Volt AC GFCI outlets using the same procedures as the standard 120-Volt outlets. Do all the outlets work? Do any outlets show a wiring fault? Test the GFCI circuit by pressing the test switch. Did the GFCI circuit trip?</p>	
	<p><b>12 volt DC ports</b></p> <p>Many RVs come with some 12-Volt DC accessory ports. These ports look like the traditional cigarette lighter plug ports found in passenger cars. Test the accessory plugs using a phone charger or any other 12-Volt DC accessory device you have access to. Do they all work properly?</p>	
	<p><b>USB ports</b></p> <p>Many RVs come with some USB charging ports. These ports look like the USB ports on your personal computer. Test the USB charging ports using a phone charger or any other USB accessory device you have access to. Do they all work properly?</p>	
	<p><b>AC power when generator is running</b></p> <p>With the generator running, check all the RVs outlets for power. Are all outlets working?</p>	
	<p><b>AC power to appropriate plugs via inverter</b></p> <p>With no shore or generator power, check the outlets powered by the coach inverter. Often, a limited number of outlets are wired to the RV inverter. Do the outlets have power?</p>	

	<p><b>DC operable while on shore power or generator</b></p> <p>Do the 12-Volt DC lights, fans and other 12-Volt DC accessories work while on shore and generator power?</p>	
	<p><b>Battery charging from shore power</b></p> <p>Check that the coach batteries are charging once connected to shore power. Some RVs will have a meter showing charging status while some units have a power information center. Depending on the unit, verify that the batteries are charging.</p>	
	<p><b>Transfer switch</b></p> <p>Check for proper operation of the coach transfer switch. The transfer switch is responsible for managing electrical input to the coach. When connected to shore power, you should hear a thud from the transfer switch and then the coach should have 120-Volt AC available from shore power. If you change to generator power, the transfer switch should swap from shore power to generator power. Again, you should hear a slight thud when the transfer switch changes configuration. Check the status of the system for proper operation.</p>	
	<p><b>Battery charging when generator is running</b></p> <p>Check that the coach batteries are charging once the generator is running. Some RVs will have a meter showing charging status, some units have a power information center. Depending on your unit, verify that the batteries are charging.</p>	
	<p><b>Solar</b></p> <p>There are a number of ways solar panels can be installed on coaches. If you have solar panels installed, check the product manuals for information on verifying that the panels are providing a charge to the batteries. Depending on the output of the panels, the system may have a very elaborate charging and status panel. Some panels that just provide a minimal amount of charge back to the battery will likely be wired directly back to the battery using a simple charging module.</p>	

	<p><b>120-Volt circuit breaker location</b></p> <p>Your coach should have an electrical panel located either in the basement, an interior cabinet or access panel. Locate the 120-Volt AC circuit breaker panel. Not to be confused with the 12-Volt DC fuse box, the 120-Volt AC circuit breakers operate just as they do in a traditional house. The panel should include individual circuits for all major appliances, air conditioners, residential refrigerators, washer-dryers, and outlets. Check to make sure all the circuit breakers are in operational condition.</p>	
	<p><b>12-Volt DC fuses</b></p> <p>Locate the 12-Volt DC fuse box. These fuses are linked to the 12-Volt DC devices, lights, appliances, appliance controllers, and accessories in your coach. Check to make sure the fuses are marked and that they are all in working order.</p>	