41260 Series
Automatic Transfer Switch
Troubleshooting Guide

The table below gives general troubleshooting guidance.

CAUTION: To avoid damage to the transfer switch or the RV, the torque specifications on the terminal block cable installation diagram MUST be followed. Make sure that the screws holding the input and output power cables down to the terminal block are fully tightened to the correct torque. Failure to fully tighten these connections could cause an electrical shock or fire hazard. Care must be taken to assure that the terminal screws are not cross threaded, otherwise an improper torque will result.

Table 1: Troubleshooting Steps

Problem	Troubleshooting Steps
• Unit does not engage shore contactor when shore power is present after 3-4 seconds.	• Check the wiring from the pedestal to the input terminals of the ATS. If the terminals are wired incorrectly, the transfer switch has a protective feature to prevent the transfer switch from engaging the contactor under a reverse polarity condition. Turn off the circuit, unplug the RV from the shore pedestal and correct the input wiring.
• Unit does not transfer to generator power correctly when the generator is turned on. • Contactor chattering	Note that the ATS takes approximately 35 seconds to complete the transfer from shore power to generator power after the generator is started. If this amount of time has passed and the generator contactor still does not engage, check the following: • Check the wiring from the generator to the input terminals of the ATS. If the terminals are wired incorrectly, the transfer switch has a protective feature to prevent the transfer switch from engaging the contactor under a reverse polarity condition. Turn off the generator, disconnect the generator from the ATS unit and correct the input wiring. • Check the incoming generator circuit breaker to make sure that it is not tripped. Note that when heavy electrical loads like air conditioners and heaters are on when transferring from shore to generator power, a current “inrush” will occur. This current inrush causes an instantaneous demand for current on the generator that, depending on the capacity of the generator, can result in a voltage drop below the Transfer Switch’s low voltage threshold of 90V. The effect of this will cause the transfer switch to not transfer and/or contactor chattering. • Turn off heavy loads like the air conditioners and heaters before turning on the generator. After the generator is running and the RV successfully transferred to generator power, turn on the loads one at a time