

Model 40100 Automatic Transfer Switch

PROBLEM	TROUBLESHOOTING STEPS
Unit does not engage shore contactor when shore power is present after 3-4 seconds.	<ul style="list-style-type: none"> • Carefully check the input power at the RV pedestal. The voltage must be above approximately 90VAC for the contactor to pull in. • With the transfer switch unplugged from the pedestal, check all input connections to make sure that all of the input power cables are firmly torqued to within the specified limits. See mounting template 505-00042. • If the voltage is present but below approximately 90 VAC, you will need to move to a different source of power that is within the correct limits.
Unit does not transfer to generator power correctly when the generator is turned on. Contactor chattering	<p>Note that the ATS takes approximately 30 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:</p> <ul style="list-style-type: none"> • Carefully check the voltage level on the incoming generator lines. If the voltage on the lines is not present or is below approximately 90VAC, the contactor will not pull in. • If the voltage reads low, refer to the generator documentation to fix the incoming voltage to within acceptable limits. • With the RV unplugged from the pedestal and the generator off, check all electrical connections for proper torque. See mounting template 505-00042. • Check the generator breaker to make sure that it has not tripped. <p>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.</p> <ul style="list-style-type: none"> • 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.

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.

For technical assistance, please call 1-800-780-4324 x 20311