



## Trouble-Shooting Guide for Three Speed Turbo/Maxx

Model 1200T Part No. 00-965001 WITH Thermostat

Model 3550 Part No. 00-965007 WITHOUT Thermostat

How to determine exactly what component is causing trouble:

1. Disconnect the 3-speed control console and set aside for now.
2. Identify your 12 Volt power source positive (+) and negative (-) supply.
3. Identify the power cable leading to the fan motor, you should have four wires - White, Green, Red and Black.
4. Connect your 12 Volt DC power source wire (-) to the white power cable wire that leads to the fan motor.
5. Connect the green (low speed) then the red (medium speed) and then the black (high speed) to your (+) power source wire - ONE AT A TIME. Verify that the fan runs on low, medium and then high speeds. If your unit does not run on these three speeds, you may have a problem with the remote resistor circuit board located on the exterior shroud or the power cable assembly.
6. If your fan still does not run, verify that you have 12 Volt DC power present. You may have a defective motor if the 12 Volt DC is available. This is a very rare circumstance.
7. If the Turbo/Maxx runs on all three speeds, you may have a problem with the control box. This is a more common problem.

The following pages detail the problem and possible solutions:

## Trouble-Shooting Chart

### *Problem*

***UNIT WILL NOT RUN AT ALL***

### *Possible Solution*

Thermostat knob may be set to "Hottest" setting, therefore preventing unit from turning on.

Voltage supply wires may have shorted together during installation causing a fuse in the RV converter to blow.

Confirm that adequate 12V power is available. Battery should check 13.8 Volt DC at the power terminals in the control console and not below 12.5 Volts.

Check the fuse in the control console. Also check any in-line fuses on the RV power supply or converter.

Make sure the cable (wiring) for the Turbo/Maxx is properly plugged into the control console. (White, green, red and black wires).

Make sure the 3 speed cable is properly plugged into the resistor board located inside the Turbo/Maxx fan housing duct on the exterior shroud.

There may be a possible open white wire on the three speed power cable. Check the wire terminals to make sure they are properly crimped to the wire and not the wire insulation.

***UNIT BLOWS FUSES***

You may have a high amp motor exceeding the rating of the in-line fuse.

Not using the proper fuse in the RV power supply or control console. We recommend a 10 amp fuse.

The 12 Volt DC power is not connected properly.

There may be a short inside the rocker switch, but this is highly unlikely.

The 12 Volt power supply wires may be shorting together.

The green, red or black wires may be shorting with the white wire on the power cable.

**Problem**

**Solution**

UNIT RUNS ON MEDIUM SPEED ONLY

Possible open resistors (1.5 - 10) caused by a high amp motor.

UNIT RUNS ON ONLY HIGH AND LOW SPEED

Black and Red wires are not connected to the control console and/or the resistor board.

UNIT RUNS IN EXHAUST WHEN POSITIONED ON INTAKE AND VICE VERSA

Red wire on cable is not connected properly to the control console.  
  
Reverse 12 Volt DC power leads - polarity is not correct.

UNIT RUNS ON HIGH SPEED WHEN POSITIONED TO LOW SPEED  
  
UNIT RUNS ON HIGH SPEED WHEN POSITIONED TO MEDIUM SPEED  
  
UNIT RUNS ON LOW SPEED WHEN POSITIONED TO HIGH SPEED

The four Turbo/Maxx control wires plugged into the control console are not plugged into the proper terminals.  
  
Make sure the 3 speed cable is properly connected to the control console:  
  
COM - White Wire  
LOW - Green Wire  
MEDIUM - Red Wire  
HIGH - Black Wire  
GROUND - Negative 12V DC power  
BATTERY - Positive 12V DC power  
  
Control cable not properly manufactured. Wires not placed into "amp" connector properly.

**Contact MaxxAir Customer Service at 1-800-780-9893 between 8 AM and 5 PM Eastern Standard Time**

During off hours, you may leave a message on our voice mail system by dialing extension 30  
Your call will be returned within 24 hours

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