

T1H2 Helicopter Tug Troubleshooting Guide

Symptom 1: Your tug is not turning on (red light on power switch) when pushing the power-on switch.

Check: 10-amp Fuse on circuit board of tug. It is the red fuse on the circuit board.

If Bad: Replace with new fuse.

Check: Circuit breaker on circuit board of tug. It is a black box with a button sticking straight up.

If Tripped: Reset by pressing button down.

Check: Battery connection to circuit board.

If loose: Push in to make good connection.

Check: Battery voltage. Should be 29.2 VDC. There is a voltmeter on PC board for checking the voltage. It is a small LED display with a small button next to it, press the button to check voltage.

If lower than 25 VDC: Plug in charger and charge the tug. Also, charger may be bad if charger output voltage is less than 29 VDC.

If 0 voltage: Battery needs to be replaced.

Symptom 2: Your tug is making a beeping sound when turned on.

Cause1: This is an indicator of low voltage on the tug battery.

Solution: Charge the tug battery or swap with replacement battery.

Cause2: You overstressed the tug while towing either a heavy load or up a steep incline.

Solution: Turn tug off and back on.

Symptom 3: Your tug and radio are both turned on, but the tug does not respond to any actions from the radio.

Cause1: The radio joystick is out of calibration.

Solution: Re-calibrate the joystick. Check videos and instruction sheets for joystick calibration procedures.

Cause2: Need to bind the radio and receiver together.

Solution: Bind radio and tug together. Check instruction sheets for binding instructions.

Symptom 4: One or both cradle rollers are not engaging to unload the helicopter.

Cause1: The cradle switch on the remote is not in the "Load/Unload" position.

Solution: Switch the cradle switch to the "Load/Unload" position (down position).

Cause2: There is something protruding out from the skid into the cradle and not allowing the skid to move on the cradle.

Solution: Use emergency pry bar to lift the skid off the cradle to release the skid protrusion from the cradle.

Cause3: The "Load/Unload" switch position on the radio has not fully engaged the rollers on the tug.

Solution: Slowly move the tug forward and backward while watching the rollers for engagement.

Cause4: The "Load/Unload" mechanism has a mechanical failure.

Solution: Manually remove the helicopter from the tug. You can use the pry bar to inch the helicopter back off the tug.

Symptom 5: The first tug roller cannot get started under skid when loading and the tracks are slipping on the floor.

Cause1: There is a small protrusion on the bottom of the skid (skid shoe, etc).

Solution: Try loading with the rubber protective sheet on the cradle. See video and instruction sheet.

Cause2: The floor is very slick, and the tracks cannot get proper traction.

Solution: Press downward with your foot on the top of the tug close to the on/off switch to get a little more traction. This may require a person on each side of the tug to apply pressure on both units at the same time while loading.