

Super Lucky Troubleshooting

When troubleshooting a Super Lucky begin by testing the battery, and if all tests out, move on to the wire harness, and lastly testing the motor.

Battery: There are a couple of ways to test a battery. The fail-safe method is to take it in to a Radio Shack or some other electronics store and have them test it. A quick way to determine if you have an expired battery is to connect the charger to the battery. If the status light on the charger either remains green or only turns red for a short period of time, then back to green, there is a good chance your battery is expired. If your charger light turns red and stays red until charged, your battery is fine. Full charge on the battery will be around 6.7V.

If it's not your battery that is causing the problem, the next step is to check to see if the motor is functioning properly.

Motor: The number one indicator of a defective motor is blowing fuses. If you are blowing fuses, it's time to replace the motor. If you try to spin the shaft and it feels sticky or if it turns really hard, this is another indicator of a defective motor. If you are not blowing fuses, it's likely not the motor, but you should still test it. To test the motor, disconnect the Red connector (white wire) and Black connector (blue wire) from the motor. Using the provided charger, connect the Red alligator clip to the top motor terminal and the Black alligator clip to the bottom motor contact. The motor should spin freely. If it does not, then the motor is defective.

Wire harness: If it's not the battery and not the motor, then it's very likely it's the wire harness that is the problem. To test the wire harness you simply remove the spade connectors from the battery and connect the alligator clips from the charger directly to the wire harness. Red alligator clip goes to the connector on the Red wire. Black alligator clip goes to the connector on the Black wire. You need to be sure you have metal on metal contact between the alligator clip and the spade connector. See photo below. Once connected, plug the charger into the wall and turn on the switch. If the motor does not run, the wire harness is the problem. You will need to replace the wire harness.



Red wire/red alligator clip

Black wire/Black alligator clip