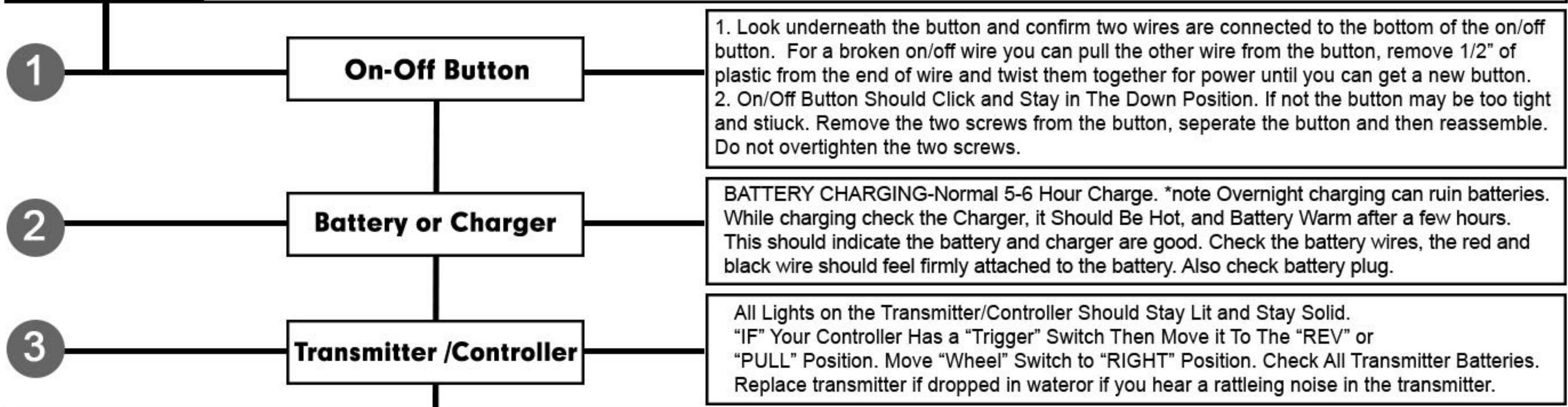
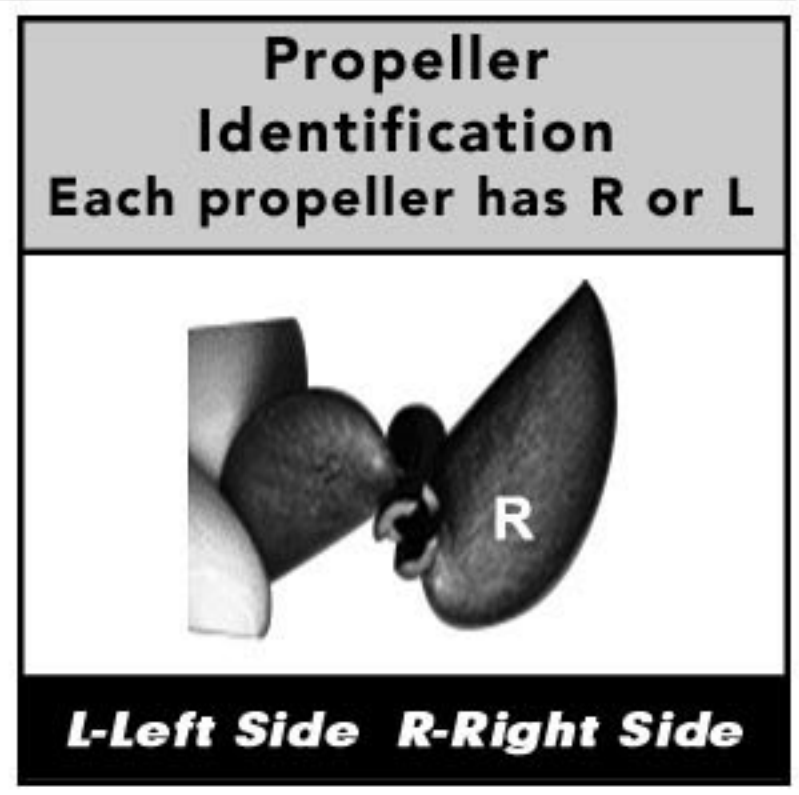
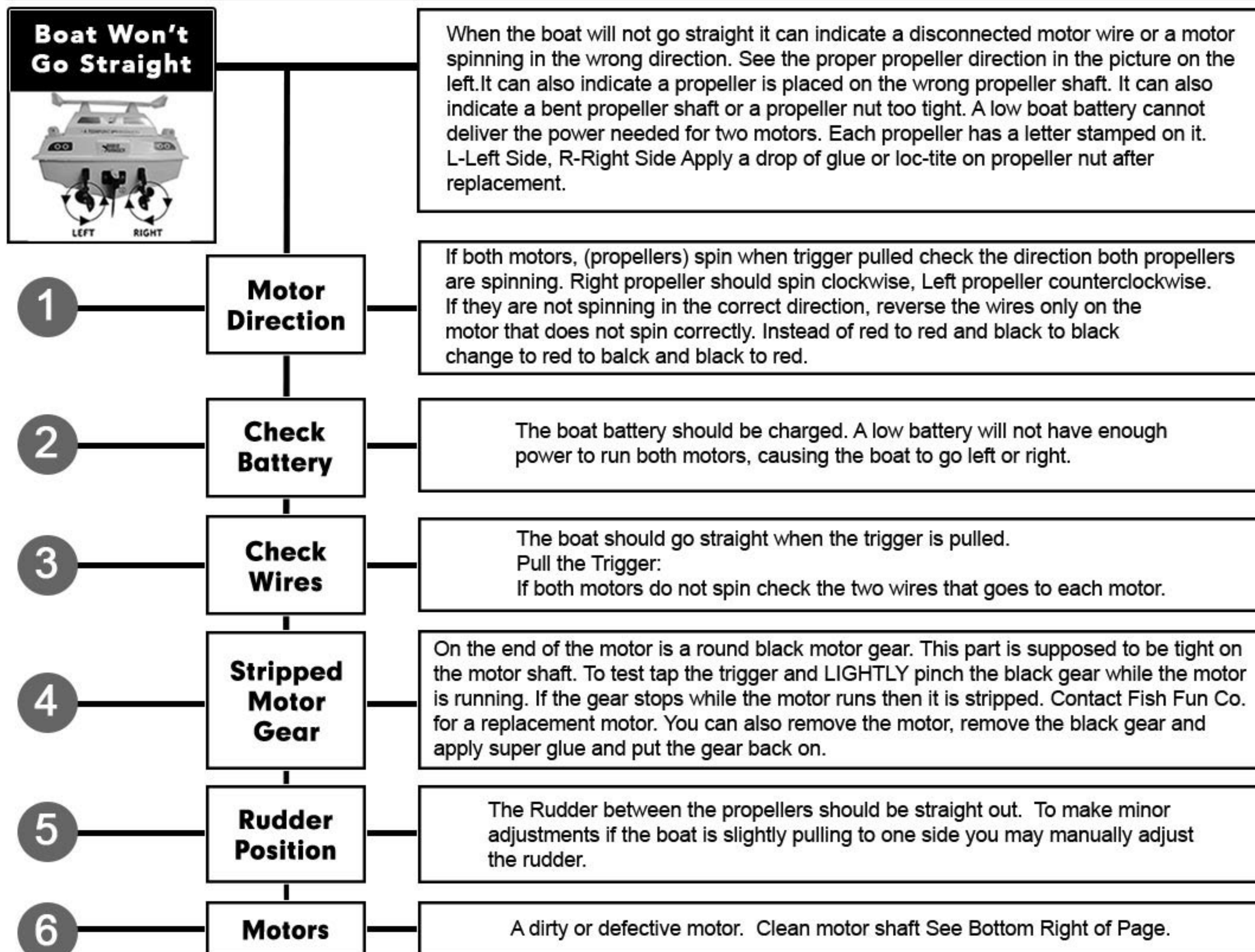


Proper battery charging is important. never charge your battery overnight this may ruin charger and battery. Charge the boat battery 5-6 hours with the standard wall charger. To avoid damaging wires remove the boat battery while transporting. Remove the boat battery from the boat when not in use. After charging let battery cool down before putting in boat. Only use NI-CD Batteries in the New Model Radio Ranger. ( New Radio Ranger 2.4 GHz after 6/2015 )

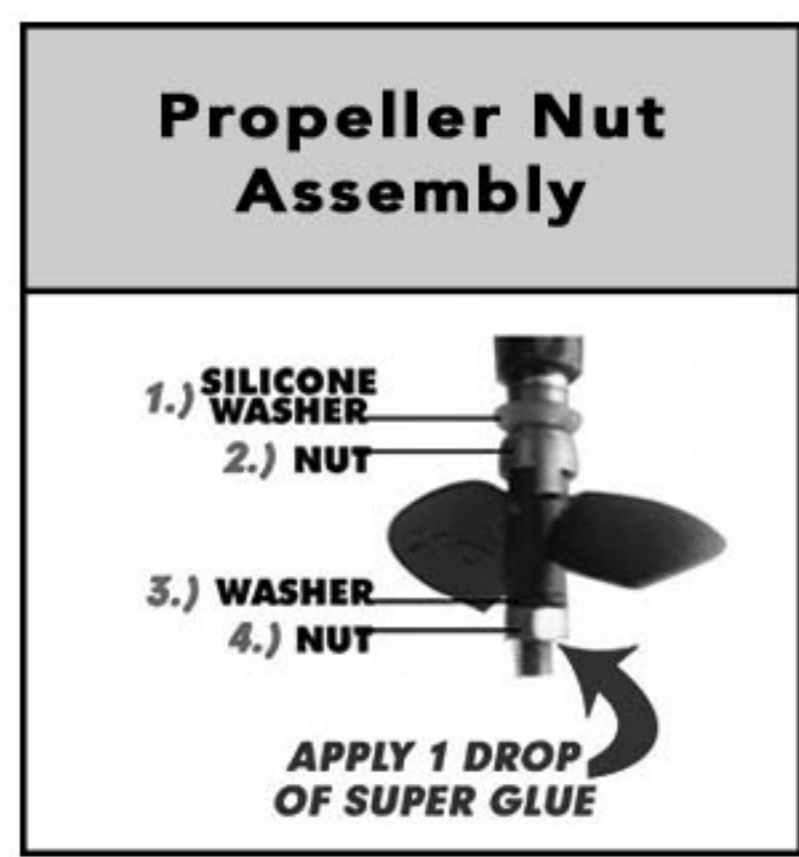
**BOAT WILL NOT TURN ON**  
 1. Check Batteries, 2. Controller Switch's, and 3. Boat On/Off button. Controller lights should be lit on the controller. Press the boat on/off button a few times, button should stay in down position. Check battery/boat plug connection.



**Still No Power = Transmitter or Receiver Problem**  
 AFTER Checking ① ② and ③ above, if the boat does not respond the problem most likely the receiver box, (black box in the boat), or the Transmitter. The transmitter and the receiver are not servicable and need to be replaced with the exception that the on/off button wire plugs into the receiver. \*note Inside the receiver box a red light should blink when the power is on, and solid when the trigger is pulled.



\*note The left side propeller nuts have normal threads, The other side, usually, right side has left-handed threads.



**Boat Sputters or Range Issue**

1. Weak transmitter batteries are most likely the cause. Charged boat and good transmitter batteries are important.  
 2. Only NI-CD Batteries will work in the Radio Ranger with the 3" GREY antenna wire, a NIMH Battery will cause sputtering.  
 3. For new version Ranger. small 1" black wire antenna in the receiver, (black box in boat) may be disconnected or transmitter antenna. In both cases you will need a replacement transmitter or receiver.  
 4. For older versions with long antenna's The antenna wire attached to the receiver, (black box in boat), should not touch the other wires and may be taped to the side of the hull. The boat also may experience this in rain or choppy water conditions. Never pull the antenna wire on the receiver, the two small antenna wires soldered in the receiver that may break off, causing intermittent signal.

