

2347101 SERVICE KIT USER MANUAL
MAXXUM FOOT CONTROL REED SWITCH REPLACEMENT KIT

Before replacing the reed switch you should verify that the reed switch is not functioning. Follow the steps below:

1. Position the motor so that the propeller will not cause injury or damage.
2. Verify that the MOM/CON switch on the foot pedal is in the off position.
3. Verify that the speed dial is in the off position.
4. Apply the correct DC voltage to the motor power leads. This can be determined by looking at the motor head.
5. Place the MOM/CON switch in the CON position and turn the speed dial up. If the motor does not run the root issue is not related to the reed switch. If the motor does operate correctly continue to the next step.
6. Leave the speed dial on so the propeller is rotating.
7. Flip the foot pedal switch to MOM position. The motor should be off. If the motor stays on go to the reed switch adjustment section, otherwise go to step 8.
8. Pressing the momentary push button down should cause the motor to turn on. If the motor does not turn on go to the reed switch adjustment section.

Reed switch adjustment:

Check to ensure the reed switch is properly positioned in the reed switch clip. Remove the push button/magnet assembly to visually check this. The tip of the reed switch, (reed switch is a small plastic cylinder with two wires attached), should be flush with (or slightly above) the recessed area of the reed switch clip. Re-Position reed switch if required.

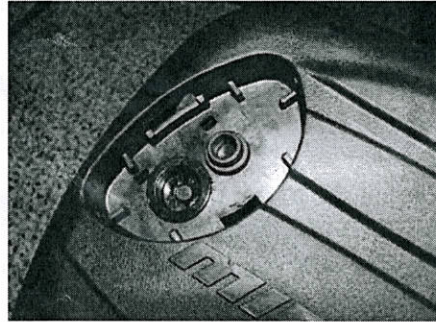
Check push button/magnet assembly to ensure the small magnet rod on the underside of the push button is in place. (On motors with the magnetic reed switch, a small rod magnet is used to activate the reed switch.

- If the magnet is missing from the push button assembly, replace the push button, and test motor for proper operation.
- If reed switch and magnet are in place, and the magnet is in close proximity to the reed switch when the push button is depress, but the motor still does not run then the reed switch is faulty and needs to be replaced.

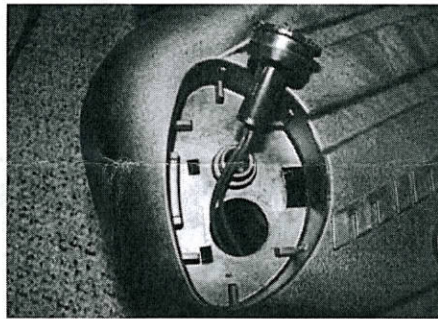
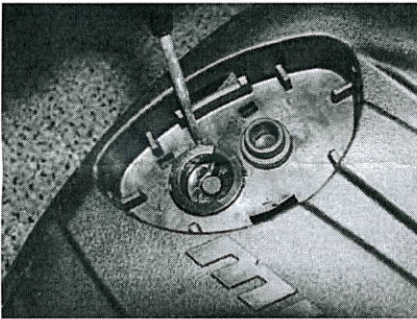
Replacing the reed switch:

At this point you are ready to replace the reed switch. You will need a pair of pliers, small flat blade screw driver and a wire cutter.

1. Remove the momentary switch cover using a small flat blade screw driver.

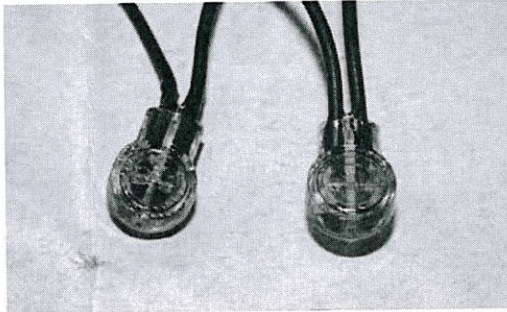
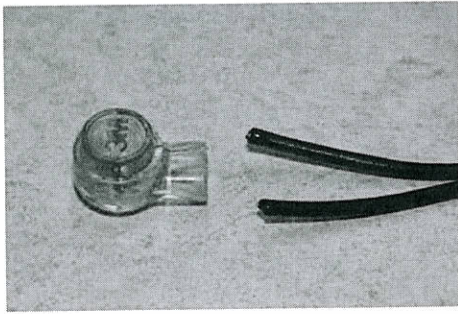


2. Remove the reed switch clip that holds the reed switch using a small flat blade screw driver.



3. Push the reed switch up in the switch clip slightly and work the wires out of the clip's slot.
4. Cut off the old reed switch in such a way that you have plenty of wire coming from the circuit board. This way if an error is made in the assembly process or the switch needs to be replaced again adequate wire is available.
5. Trim the stripped portion of the wire off of the new reed switch.
6. Place the 2 wires to be connected next to each other and slide them all the way into the connector. Once all the way in use a pair of pliers to clamp down on the connector. These are gel filled connectors and it is common for some of the gel to come out during crimping. Wipe off the excess gel.

Instruction kit p/n 2347401
Instructions for p/n 2884019 Reed Switch Kit



7. Place the reed switch back up through the hole in the foot pedal.
8. Open the slot in the reed switch clip and slip the reed switch wire through.
9. Gently push the reed switch $\frac{3}{4}$ the way down the plastic sleeve then snap the reed switch clip into foot pedal. Do not pull the switch by the wires as this can damage the switch.
10. Seat the reed switch so that the tip of the switch slightly protrudes or is almost flush with the recessed area of the reed switch clip.
11. Re-install the momentary button and spring on the foot pedal.
12. Check the reed switch wires under the foot pedal and make sure they are secured in place and routed to prevent tangles in the mechanics of the foot pedal.
13. Test the motor using the procedure mentioned above
14. If necessary, readjust reed switch in the switch clip to provide correct on/off function when the button is pressed and released.