

Service Bulletin: Coiled Cable Replacement v2

Place motor on work stand.

Remove four screws holding upper head cover and remove cover.

Cut zip tie holding the power wires together.

Using a utility knife or small cutting pliers cut heat shrink at connectors for motor power leads and data lead.

Separate power and data connections.

Remove nut holding coiled data cable in place.

Remove coiled cable from lower head cover.

Remove two screws holding rear cover in place and remove the rear cover.

NOTE: GPS ANTENNA LEAD WILL REMAIN CONNECTED, SO USE CAUTION TO ENSURE THAT THE REAR COVER IS NOT PULLED IN SUCH A MANNER AS TO DAMAGE THIS CABLE.

Carefully cut heat shrink around the data connection and separate.

Remove gel around power leads on motherboard.

Remove two screws holding lower unit power leads to motherboard.

Note the orientation of the power leads.

Cut zip tie attached near the base which secures the data cable.

Remove coiled cable.

Install threaded end of new coiled cable into the lower head cover.

Attach nut and tighten.

NOTE: DO NOT TIGHTEN MORE THAN 180* OR DAMAGE TO NUT THREADS MAY OCCUR.

Slide heat shrink over power and data leads then join connectors.

NOTE: DO NOT APPLY HEAT AT THIS TIME.

NOTE: THESE WIRES ARE VERY THIN AND FRAGILE. TAKE CARE IN JOINING THEM.

Slide opposite end of coiled cable through base.

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NOTE: SILICONE SPRAY WILL EASE INSTALLATION.

Attach power leads with screws and star washers.

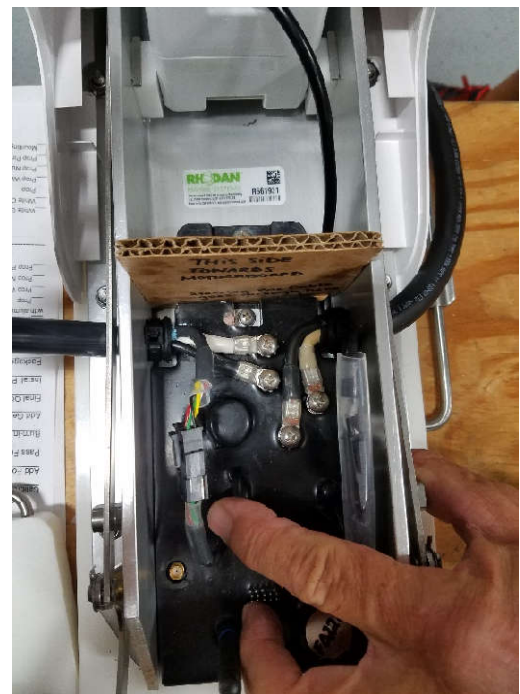
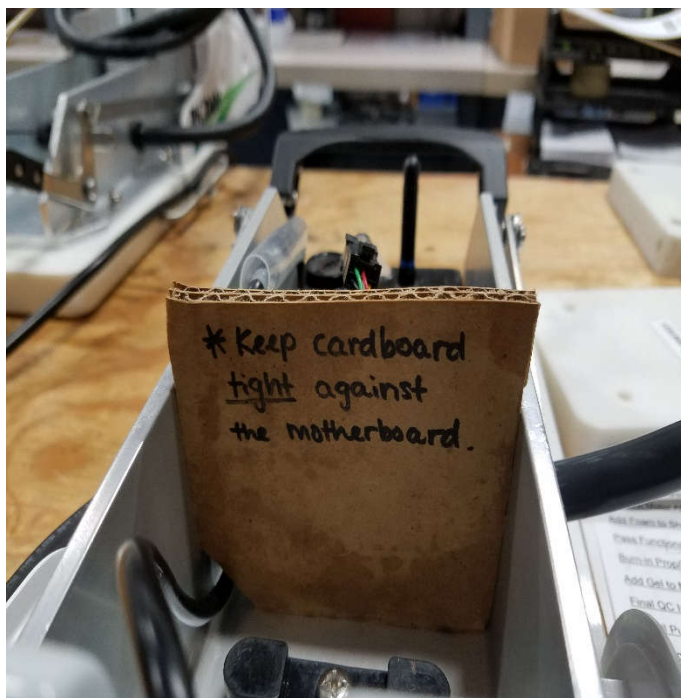
Slide heat shrink over data section of wire and connect.

Place a zip tie around the entry point of cable near base and tighten.

Power up system and check functionality of buttons.

If functionality is resumed, proceed to re-gelling the corner of the motherboard. If not, please call Rhoda via the number at the bottom of the page.

NOTE: MIX PART A AND PART B IN A CUP FOR ROUGHLY 30 SECONDS BEFORE POURING OVER BOARD.



Note: Ensure the cardboard dam included is flush against the motherboard before pouring gel. If it is not, the gel will run and set incorrectly.

Note: When pouring gel, distribute so that all electrical components on board are covered.

Recover heat shrink tubing, taking care to ensure that you do not overheat the plastic of the lower head cover.

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NOTE: A HEAT SHIELD CAN BE USED TO PROTECT THE PLASTIC, ALTHOUGH IF YOU ARE USING A HOT AIR GUN THIS STEP CAN GENERALLY BE COMPLETED WITHOUT THE HEAT SHIELD IF A BIT OF CAUTION IS USED.

Place zip tie wrap snugly, but not overly tight, around power conductors in the head to hold them close together.

NOTE: IF POWER WIRES IN THE HEAD OF MOTOR ARE NOT ZIP TIED TOGETHER, YOU WILL EXPERIENCE POOR ADVANCED FUNCTIONING.

Reinstall head cover.

Reinstall rear cover.

Power up system and verify correct propeller direction of rotation and proper centering when off button is pressed.

Give system a general wipe down and cleaning to remove any grease smudges and process should be complete.