

**STEP 4 MOUNTING THE SPEED CONTROL**

Mount the speed control/cooling fan to the chassis using the included mounting tape.

For proper air flow, the fan should have at least 1/2" clearance above it.

**STEP 5 FAN OPERATION**

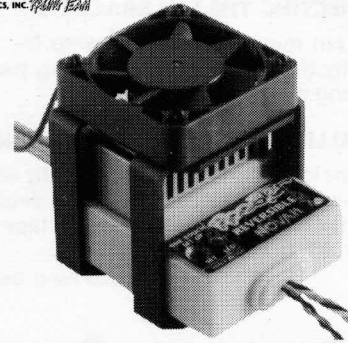
The cooling fan will run at all times when the battery pack is connected to the ESC. If the fan is connected backwards, it will not run.

Always disconnect the battery pack from the ESC when the car is not being used.

**PRODUCT WARRANTY** Novak Electronics, Inc. guarantees the ESC Cooling Fan to be free from defects in materials or workmanship for a period of 90 days from the original date of purchase (verified by a sales receipt). This warranty does not cover damage from the use of more than 7 cells, damage from objects stuck in the fan blades, tampering, or water damage.

In no case shall our liability exceed the original cost of the product. We reserve the right to modify the provisions of this product warranty without notice.

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**ESC COOLING FAN**

The Novak ESC Cooling Fan is a brushless DC fan designed to cool the heat sinks of electronic speed controls. The ESC Cooling Fan helps prevent the ESC from overheating when using low turn modified motors or in applications where there is very little fresh airflow over the heat sinks. The convenient mounting brackets allow it to be used on all Team Novak speed controls. Powered directly from a 6 or 7 cell main battery pack, the ESC Cooling Fan requires no external battery pack.

**SPECIFICATIONS:**

- Size ..... 1.76" x 1.70" x 2.10"
- Weight ..... 0.8 oz.
- Voltage Input ..... 5.0 – 8.4 volts (5 – 7 cells)
- Current Consumption ..... 0.16 amp

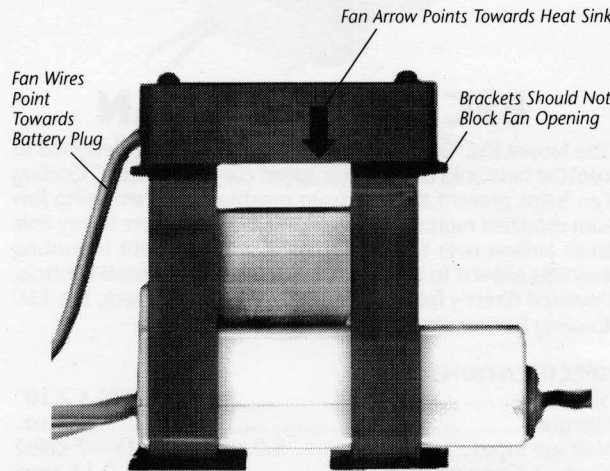
**INSTALLATION INSTRUCTIONS**

**STEP 1 CONNECTING THE FAN BRACKETS**

Snap the two fan mounting brackets onto the fan. When installed correctly, the plastic does not block any part of the fan opening, allowing maximum airflow.

**STEP 2 INSTALLING THE BRACKETS AND FAN**

The fan should be located so that it blows directly onto the heat sink. The fan wires should be pointing in the direction of the battery plug. Stick the included mounting tape to the fan brackets and attach to ESC as shown.



**STEP 3 CONNECTING THE FAN WIRES**

The fan is powered by the main battery pack. If a main battery pack with more than 7 cells is used, the fan must be powered by an external 5 to 7 cell battery pack. Disconnect the ESC from the battery pack before soldering any wires.

**For Tamiya Style Battery Plugs** Use the enclosed pin removal tube to remove the metal pin attached to the red (+) wire from the ESC. Slide the tube over the pin as shown, then remove the pin from the plug.

Solder the fan's red wire to the metal pin as shown. If the wire is soldered in the wrong place, or with too much solder, the pin will not fit into the plug.

Push the metal pin back into the Tamiya plug. The pin should snap into place. Repeat the same process for the black wire.

**For Hard-Wiring or Other Plug Styles** The fan wires should be soldered directly to the ESC's battery wires (red to the positive battery wire, black to the negative power wire). Cover any exposed wires are with heat shrink tubing to prevent short-circuits.

