



INSTRUCTIONS

Black Magic 150 MOTOR REPLACEMENT

To remove existing motor assembly:

- ❶ Remove control box cover underneath temperature sensor without bending copper tube connected to temperature sensor.
- ❷ Pull circuit board out of control box and remove connectors from terminals.
- ❸ Detach fan from motor with hex wrench provided. Hex screw is between fan and motor. (see illustration 1)
- ❹ Loosen nuts and screws to remove old motor.

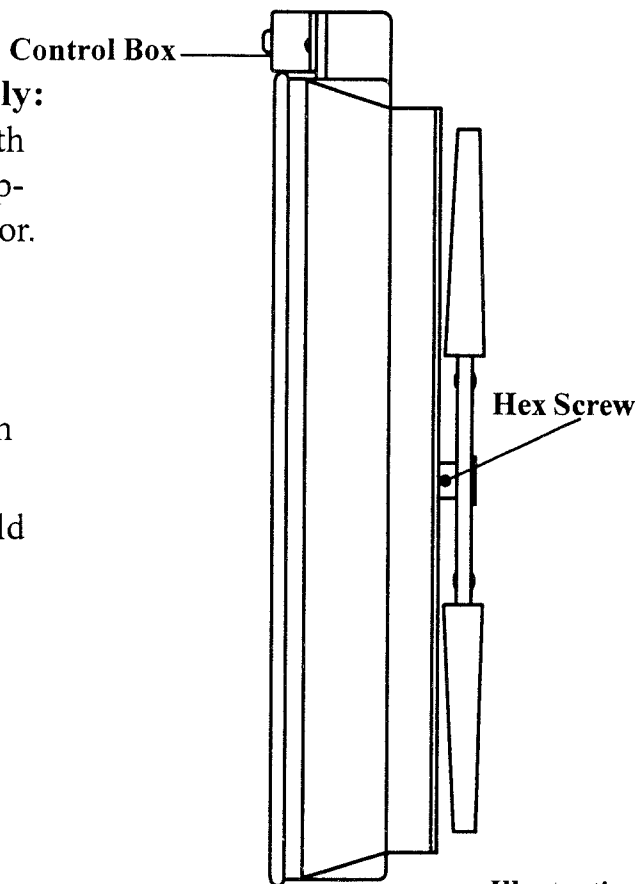


Illustration 1

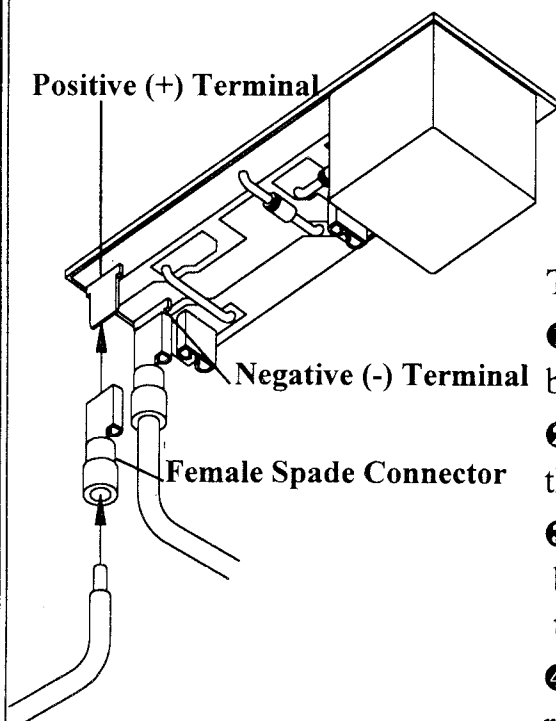


Illustration 2

To install new motor assembly:

- ❶ Mount new motor with wires facing control box.
- ❷ Crimp female spade connector to wires. Ensure that connectors are firmly attached.
- ❸ Attach red wire to positive (+) terminal and black wire to negative (-) terminal. Secure wires to strut with plastic tie provided. (see illustration 2)
- ❹ Replace circuit board into control module and replace circuit board cover without bending the tube on the temperature sensor. Make sure that temperature sensor tip is inserted in circuit board cover before reattaching.