

INSTALLATION

REPLACEMENT

BRAKE COOLER CIRCUIT BOARD



INSTALL MANUAL

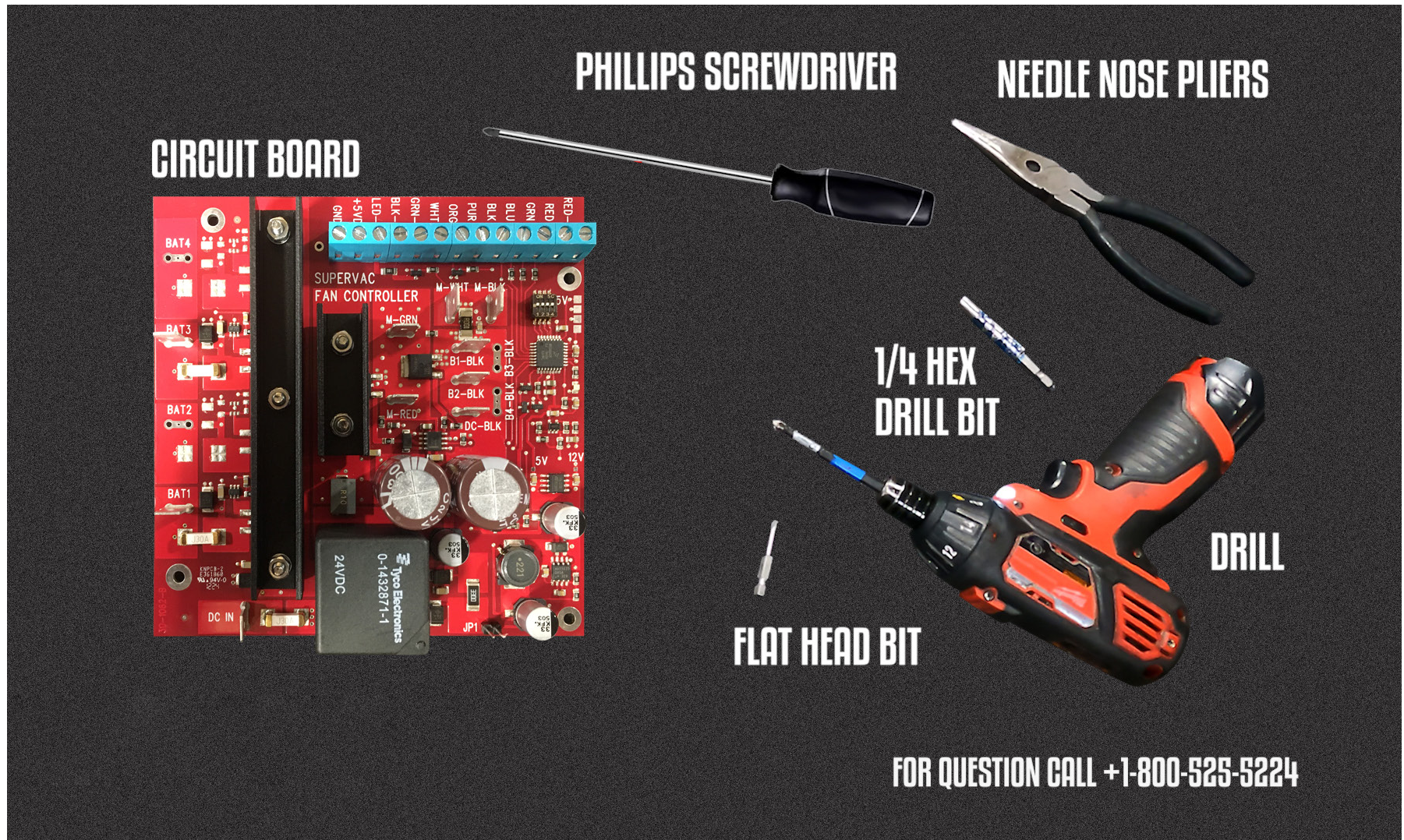
This manual covers the replacement and installation of a circuit board in the Super Vac battery-powered Brake Cooler.

Please consult your circuit board kit for parts.



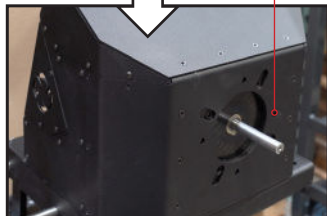
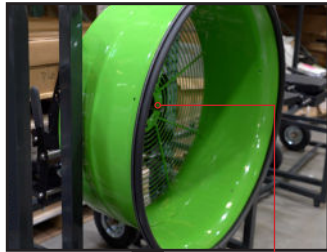
For additional instruction, view installation video at bit.ly/ReplaceBrakeCoolerCircuitBoard

PARTS AND TOOLS



STEP 1:

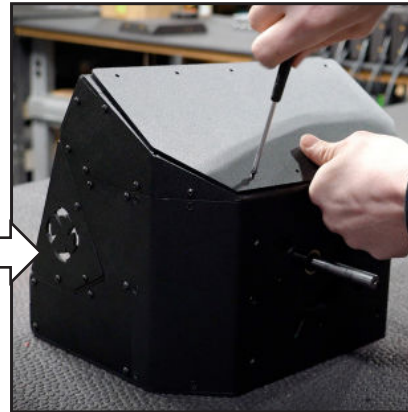
Remove shroud and electrical box from frame.



Remove (4) bolts.

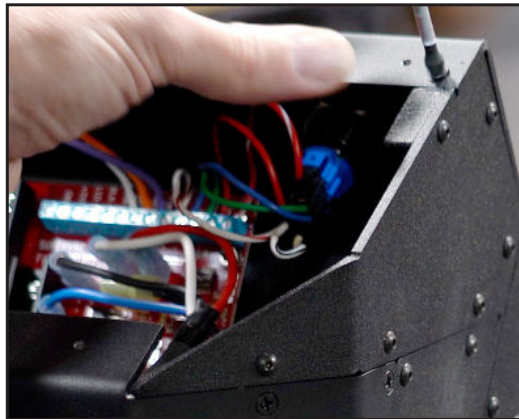


Remove electrical box from brake cooling fan frame by removing bolt.



Remove electrical box top cover using a Phillips-head screwdriver.

STEP 2:



Remove top (2) corner screws using Phillips-head drill bit.

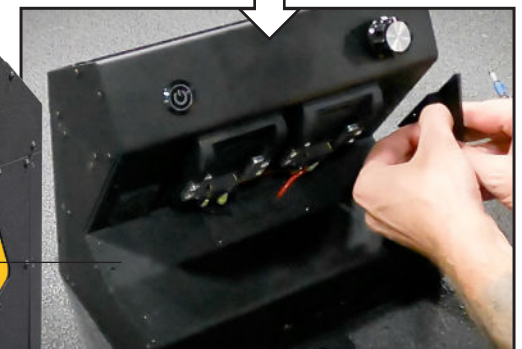
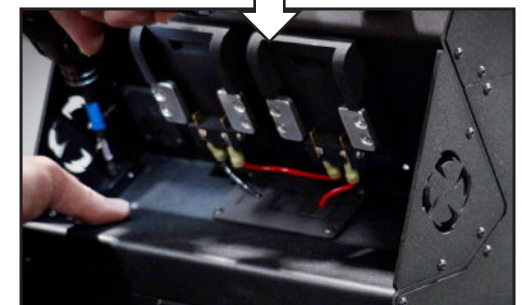


Remove (2) bottom, upper screws using a Phillips-head drill bit.



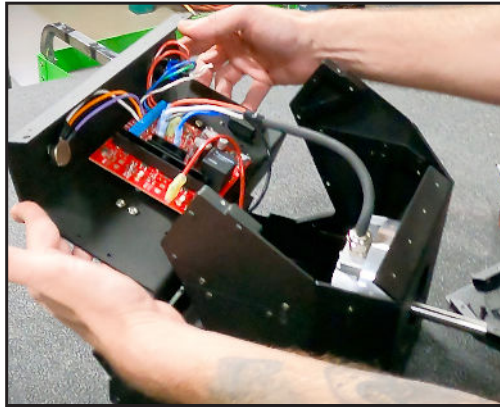
STEP 3:

Remove both side panels using a Phillips-head drill bit. (4) Screws inside each panel.

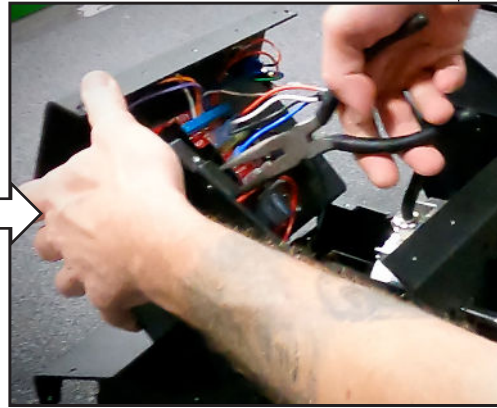


STEP 4:

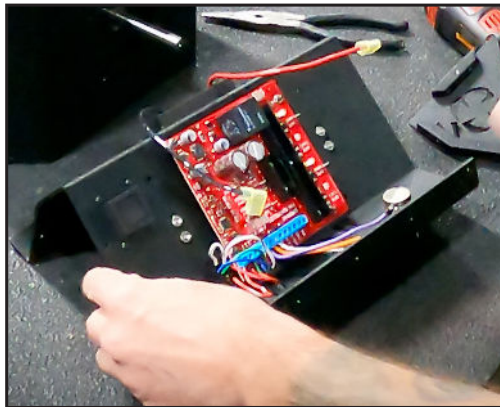
Disconnect all wires and connectors on circuit board:



Lift out circuit board panel.



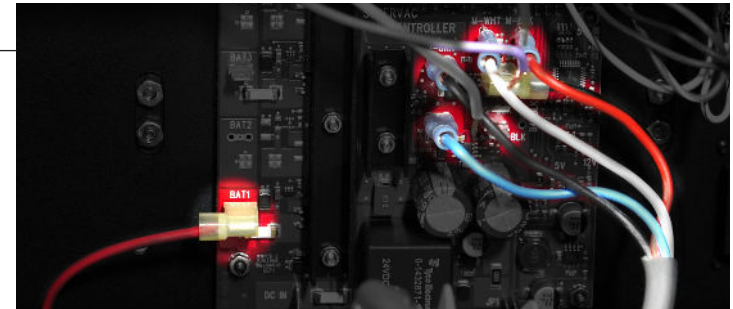
Remove Circuit board connectors using needle nose pliers.



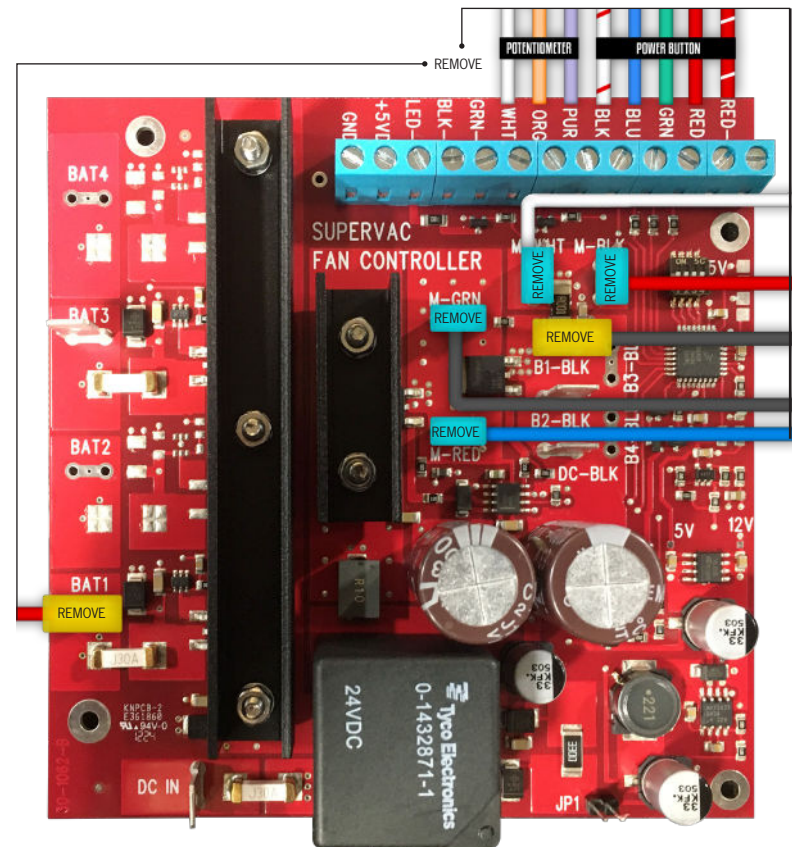
Remove circuit board panel and flip upside down for a more stable work area.



Loosen circuit wire screws using a flat head drill bit, pull out wires from bottom slots.

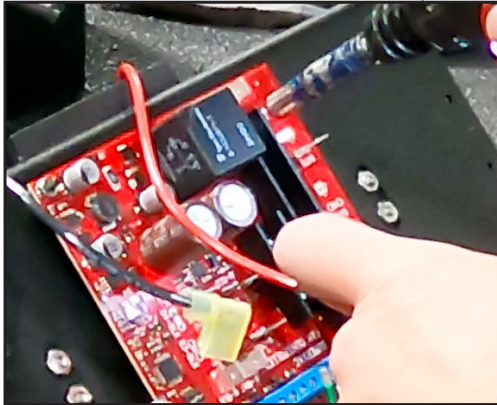


Circuits to remove.

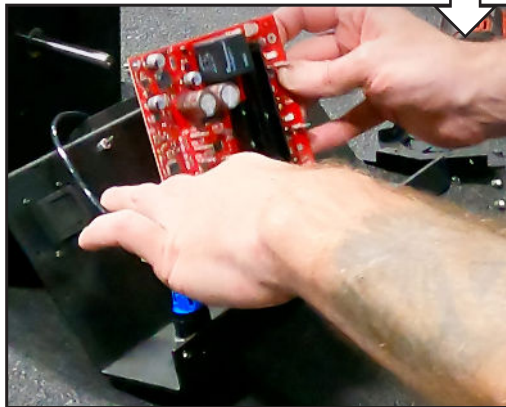


STEP 5:

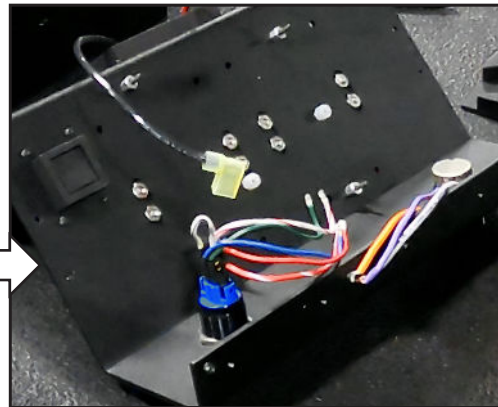
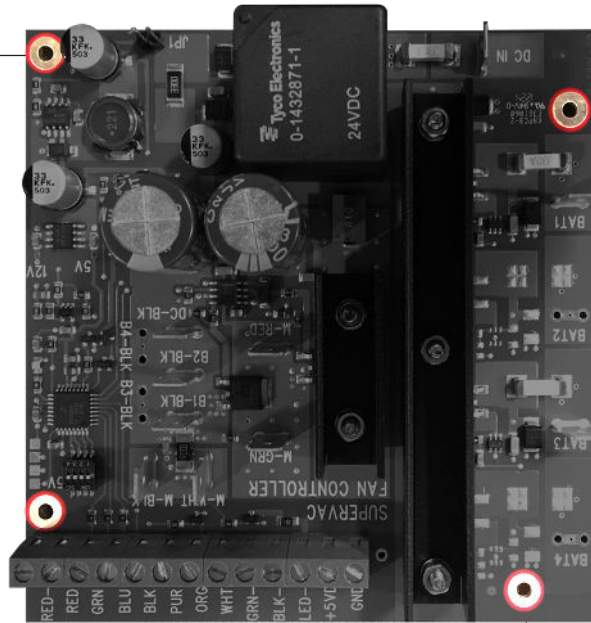
Replace circuit board:



Remove each corner fastener (4) on circuit board using a 1/4 hex head drill bit.



Lift out circuit board.



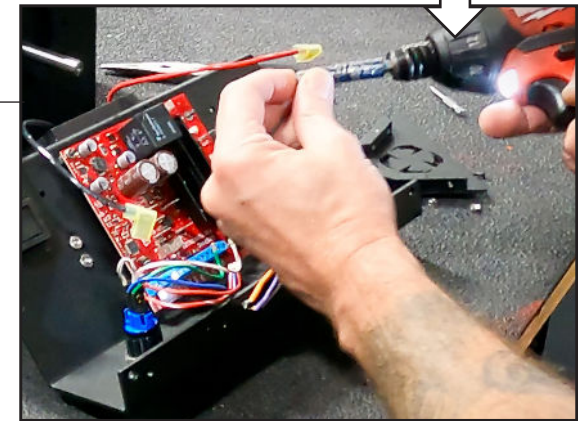
Potentiometer and power wires remain attached to panel.

STEP 6:

Apply new circuit board.



Align with corner fasteners.



Re-apply corner fasteners (4) using a 1/4 hex head drill bit. (Apply on end of drill bit first.)

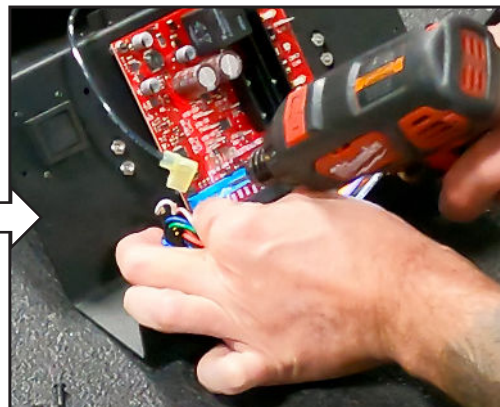
STEP 7:

Re-insert wires into circuit panel.



Twist wire ends, then insert through bottom opening of corresponding color-label.

NOTE! White wire with red stripe = BLK.



Tighten wire screw using a flat-head drill bit.

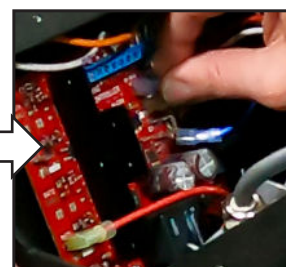
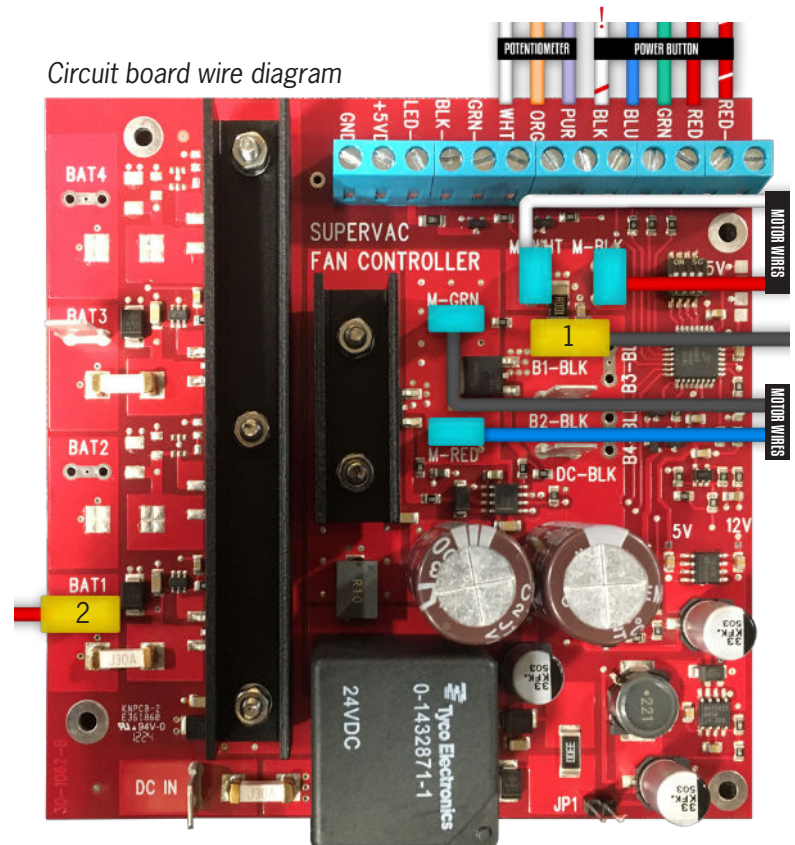


Flip board right side up, re-insert battery wire connectors, be sure to snap tight. (#1 Black to B1-BLK, #2 Red to BAT1)



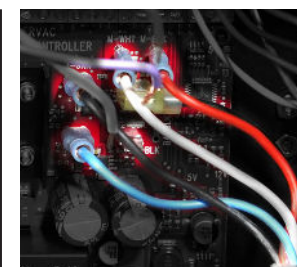
Re-insert circuit board panel into electrical box base. Align with top screws.

Circuit board wire diagram



Re-insert motor wire connectors. Snap tight.

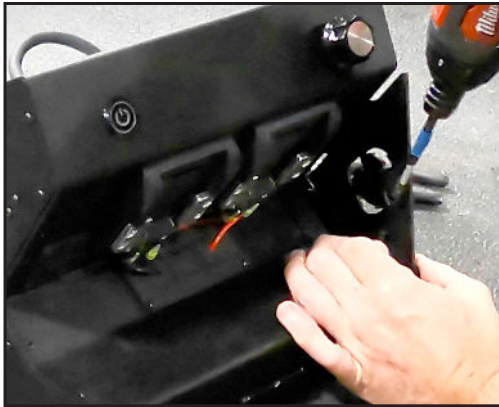
NOTE! Labels are different than some wire colors.



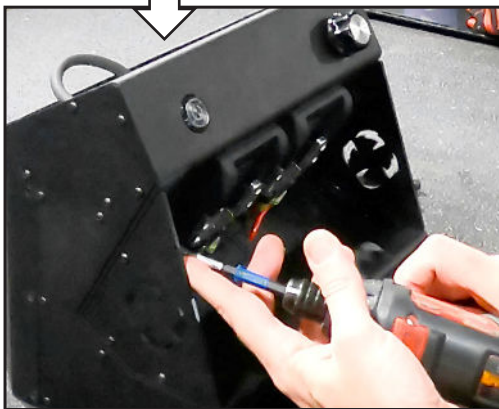
LABEL	WIRE
M-BLK	Red
M-WHT	White
M-GRN	Black
M-RED	Blue
B1-BLK	Black
BAT 1	Red

STEP 8:

Re-apply side panels.



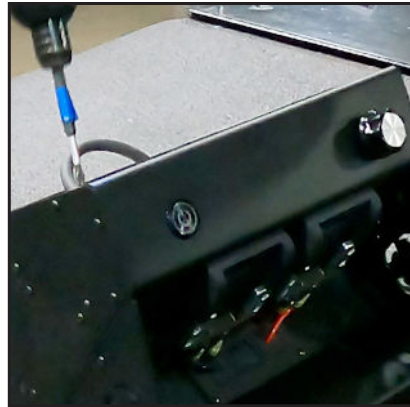
Re-apply side panels using a Phillips-head drill bit. (4) screws inside each panel.



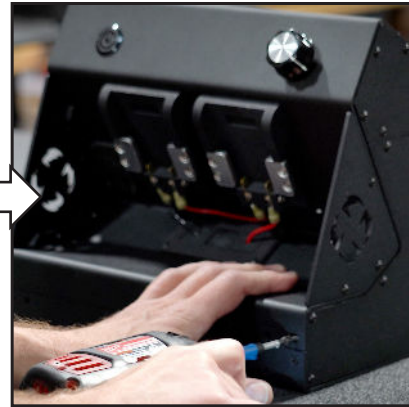
Re-apply side panels using a Phillips-head drill bit. (4) screws inside each panel.

STEP 9:

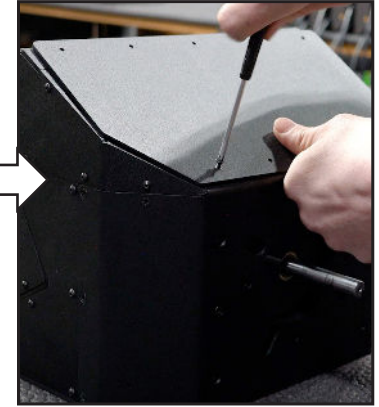
Close up electrical box.



Re-insert top corner (2) screws using a Phillips-head drill bit.



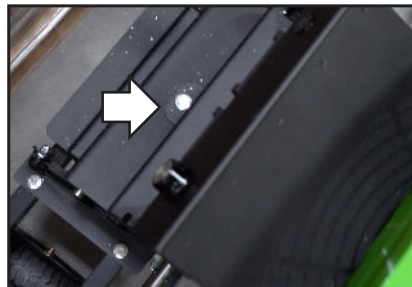
Re-insert bottom (2) screws using a Phillips-head drill bit.



Re-apply top cover using a Phillips-head screw driver to avoid over-tightening.

STEP 10:

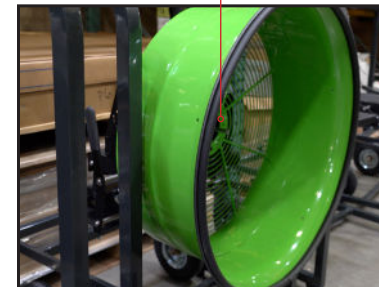
Re-attach electrical box to brake



Attach electrical box to brake cooling fan frame using a ratcheting screwdriver or drill bit.



Re-attach shroud to electrical box with (4) bolts using a ratcheting screwdriver or drill bit.





For parts or service information, contact:

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