



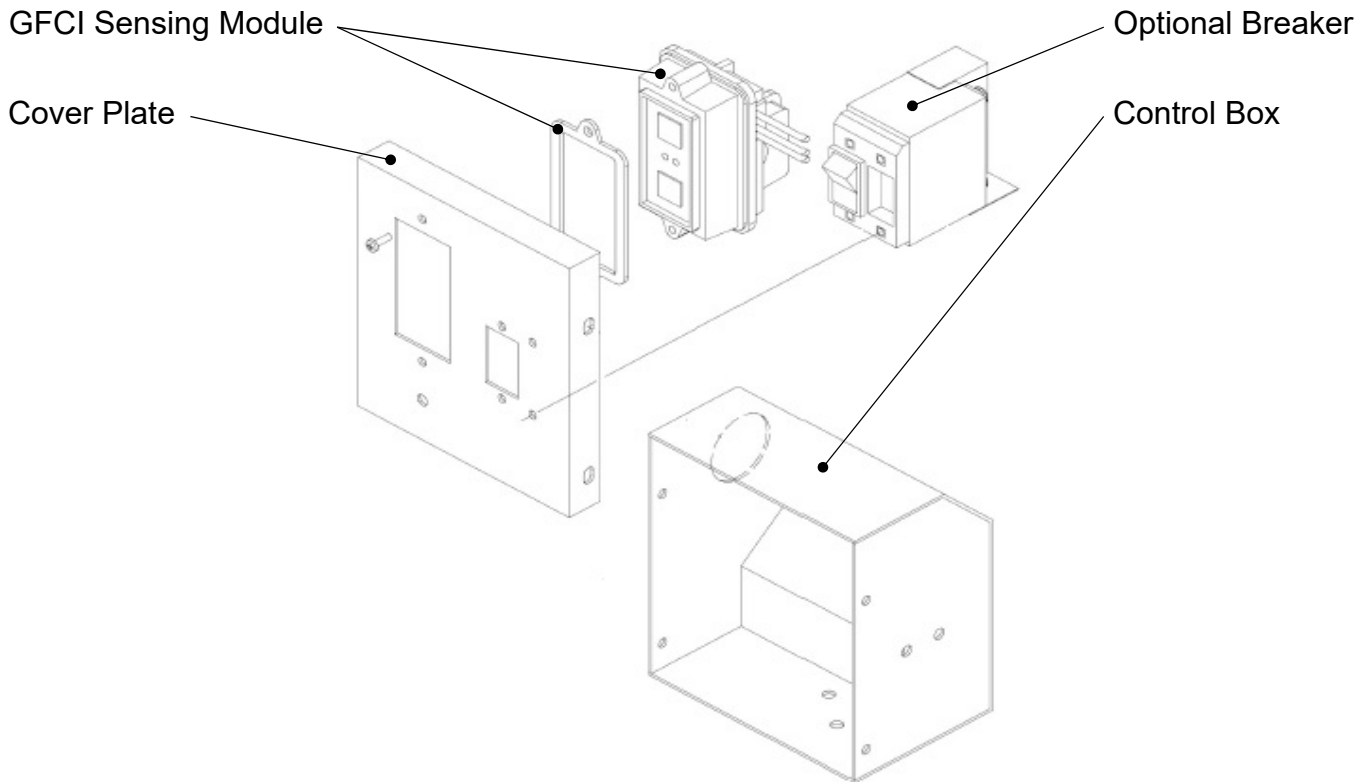
This bulletin is provided for technical reference and service related updates. If you have any questions, comments or do not wish to receive these e-mails, please reply to this e-mail or call the Service Technical Support Group 800 478-1244.

## BREAKER MODIFICATION

This document can be used as a guide when installing the optional breaker. Nuisance tripping with the OEM GFCI breaker can occur on certain customer applications due to feedback variances with neutral circuit.

MQ PART # **DA7BRKRMOD** includes the below items

NAME	MQ PART #	QUANTITY
GFCI Sensing Module w/gasket *	0601829301	1
Optional Breaker *	GFSMCB120252P	1
Cover Plate *	A6261700303	1
Control Box *	A6261500303	1
* Modification kit includes complete control box wired & assembled ready to install		



Safety precautions should be followed at all times when servicing this equipment. Consult operations manual for more safety information.

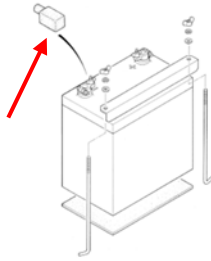




# Technical Information

**IMPORTANT:** ALL MODIFICATIONS MUST BE MADE BY A QUALIFIED GENERATOR TECHNICIAN. MULTIQUIP IS NOT RESPONSIBLE FOR ANY DAMAGES TO EQUIPMENT AND OR COMPONENTS RESULTANT FROM UNQUALIFIED PERSONNEL.

1. Disconnect the battery ground cable.



2. Mount the new breaker box assembly in the location shown (Left side of unit below operators' panel).

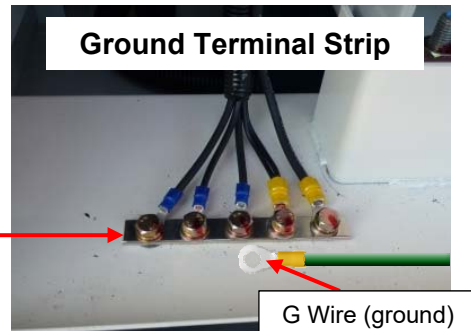
3. (Using a 5/16 drill bit), mark the hole locations using the breaker box mounting bracket to insure proper fitment. Drill out both mounting holes and remove any debris. (predrill 1/8" pilot holes)

4. Install breaker box using 5/16" hardware.



**\*NOTE:** Lower side panel needs to be removed to properly tighten hardware.

5. Attach the **Green "G"** wire (install ring terminal) from the breaker box to the ground terminal strip.

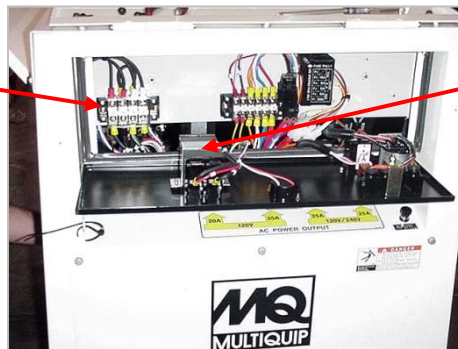
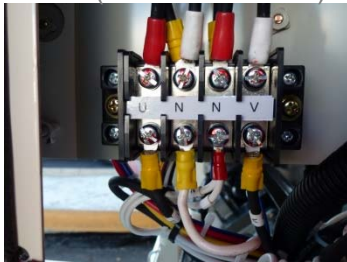


6. Access OEM breaker and TB1 terminal strip by removing the (4) Phillip head screws. Flip panel down.

Remove  
Screws



TB1 (terminal board 1)

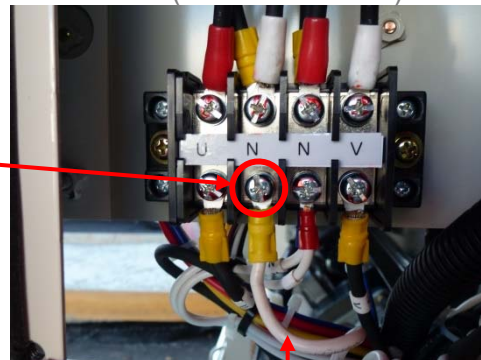


OEM Breaker



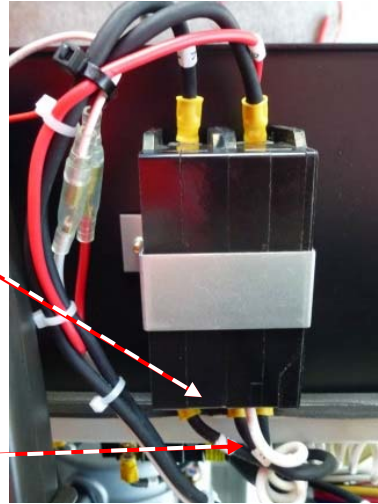
7. Remove and discard the (white) pigtail wire from TB1 terminal N, it will no longer be used.
8. Connect (white) wire # 1 from the new breaker box to terminal N at TB1.

TB1 (terminal board 1)



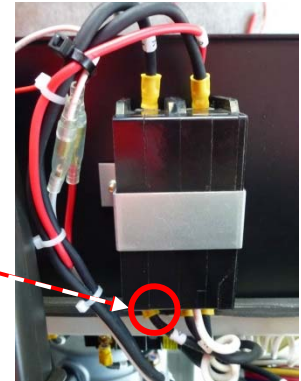
White Pigtail Wire

9. Remove the **BLACK N** wire from the **BOTTOM** of the OEM breaker and connect it to the **# 3 white wire AND 14 AWG sensor wire** (white) from the new breaker box by either soldering together or using supplied butt connectors.  
**\*\*Note:** If soldering wires, use shrink tubing.

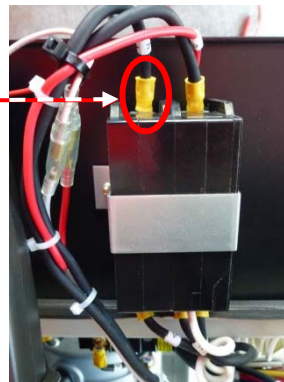


10. Remove and discard the (white) pigtail wire, it will no longer be used.

11. Remove the **V** wire from the **BOTTOM** of the OEM breaker and connect it to the **# 7** wire on the new breaker box by either soldering together or using supplied butt connectors.



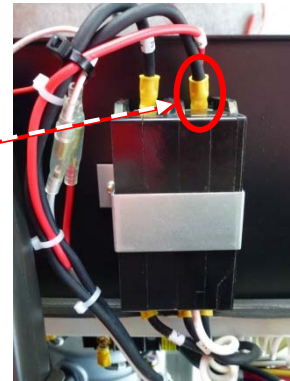
12. Remove the **V** wire from the **TOP** of the OEM breaker and connect it to the **# 4** wire on the new breaker box by either soldering together or using supplied butt connectors.



## NOTES:

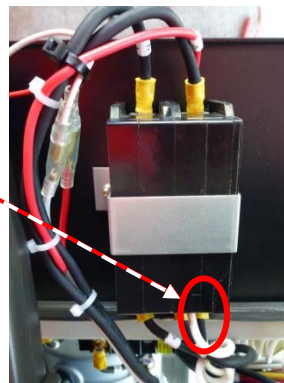
- ❖ Breaker will need to be removed from panel to make connections.
- ❖ Either solder or use provided butt connectors to connect generator wires to new breaker box wires.
- ❖ If soldering, use shrink tubing to cover bare solder joints.

13. Remove the **U** wire(s) from the **TOP** of the OEM breaker and connect them to the **# 5 wire** on the new breaker box by either soldering together or using supplied butt connectors.



**NOTE:** Wire # 5 connects to both the **Black U** and **Red U** legs.

14. Remove the **U** wire from the **BOTTOM** of the OEM breaker and connect it to the **# 6 wire** on the new breaker box by either soldering together or using supplied butt connectors.

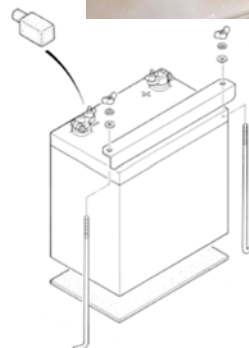


15. Remove the existing OEM Breaker from control panel and install the supplied breaker cover plate using the original mounting breaker hardware. (mount on inside)



16. Tie strap all wires together to tidy up installation.

17. Reconnect the battery ground cable. Start engine and test breaker for correct operation.



#### NOTES:

- ❖ Either solder or use provided butt connectors to connect generator wires to new breaker box wires.
- ❖ If soldering, use shrink tubing to cover bare solder joints.



## NEW BREAKER BOX WIRE CONNECTION DIAGRAM

