Main Control Board Replacement (2 Light Models)

These instructions are written assuming that you will have ample room around Opener to perform this repair. Some rare instances will require removal of the unit from it's mounting hardware and repair made on a bench or floor. Refer to your Owners Manual or Installation Poster for proper assembly and carefully read and understand all warnings and cautions pertaining to your unit.

⚠ WARNING
BE SURE ELECTRICAL POWER HAS BEEN DISCONNECTED FROM THE OPENER PRIOR TO REMOVING THE MOTOR COVER.

⚠ WARNING
ANY AND ALL REPAIRS MADE TO THIS UNIT MUST BE PERFORMED WITH THE DOOR DISCONNECTED FROM THE OPENER AND IN THE CLOSED POSITION.

1. Close door using wall control, then and pull emergency release cord on carriage to disengage opener from the door. If successful, move to Step 3; otherwise, continue to Step 2.
2. If unable to lower door using opener, make certain people and objects are clear of door opening and pull the emergency release cord on the carriage to disengage opener from the door. Use extreme caution when manually closing the door.
3. Unplug opener power cord from power receptacle, or turn off breaker.
4. Remove Battery Backup (BBU) from powerhead, if equipped: FIG. 1.
   - Unplug harness from top of powerhead.
   - Remove two screws securing BBU to rear of powerhead.
   - Tilt BBU up and slide mounting brackets out.
   - Set BBU aside.
5. Remove lens cover(s) by pressing top tabs down and slide lens cover(s) out. Remove light bulbs if equipped.
6. Remove wall control and Safe-T-Beam® wires from terminal block FIG. 2. Use small common screwdriver to press in on tabs while gently pulling wires from block. Mark wires to help facilitate replacement.
7. Using a 1/4" nut driver or common screw driver, loosen the 2 opener cover screws and remove opener cover. FIG. 3.
8. Note the locations and disconnect lights, transformer primary, AC power, red & black motor wires, transformer secondary, and encoder harnesses from control board. FIG. 4.

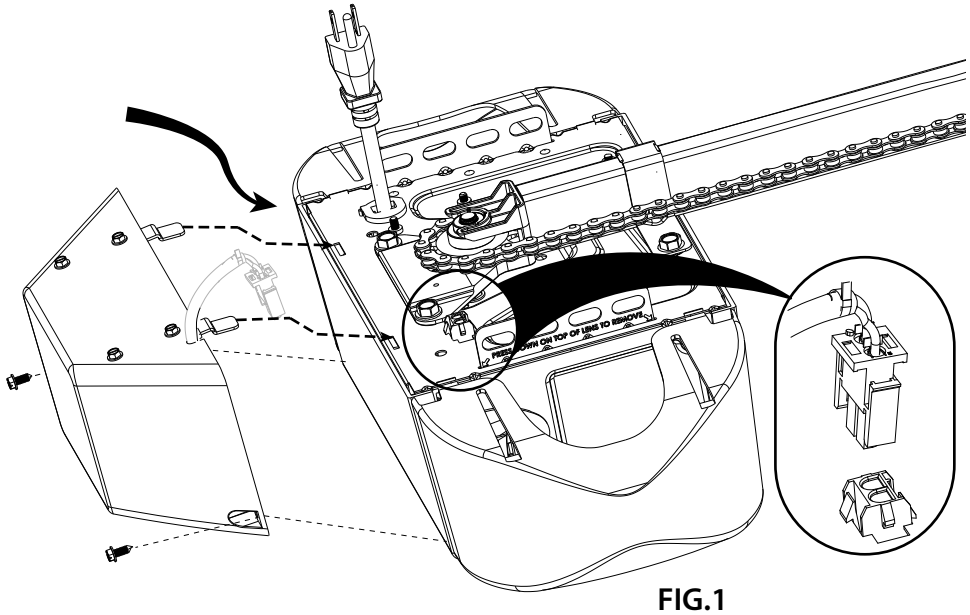


FIG.1

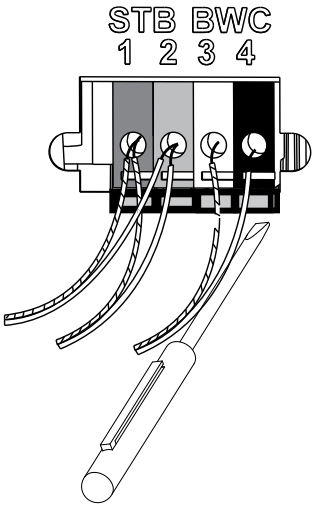


FIG. 2

9. Using a 1/4" nut driver or common screwdriver, remove 2 control board mounting screws and remove control board.
10. Install replacement control board making sure to install board into tabs on opto assembly FIG. 3 & 5.
11. Plug in all harnesses, ensure that harnesses are plugged in the correct positions. See harness detail FIG. 4 & 6.
12. This instruction is used in multiple service kits, see below to determine what pieces of the kit are required for your unit:

- **NO Wi-Fi, NO BBU:** This service kit is a replacement for a green or blue circuit board. Use this board WITHOUT the adapter bracket (see FIG 4) by making sure the black plastic adapter bracket is no longer attached - the profile of the new board will then match the profile of the board you are replacing. The included harness will not be needed for this unit.
- **NO Wi-Fi, WITH BBU:** This blue board service kit is a replacement for a green circuit board. Use this board WITH the adapter bracket attached (see FIG 4) - the profile of the new board will then match the profile of the board you are replacing. The included harness will also be needed for this unit.
- **WITH Wi-Fi, with or without BBU:** This single blue board service kit is a replacement for a single blue circuit board (NOT green). For Wi-Fi models with 2 green boards, a different service kit is necessary.

13. Install wall control & Safe-T-Beam® wires, light bulbs, motor cover and lens.
14. Reengage trolley to carriage, if disconnected.
15. Apply power to opener.

NOTE: Limit settings and transmitters must be reprogramming. Refer to your owners manual for detailed instructions.

16. Install BBU assembly onto motor housing if equipped.

IMPORTANT: Test opener functions. The door MUST reverse on contact with a 1-1/2" high object (or a 2 x 4 board laid flat) at the center of doorway on the floor. After adjusting either the force or limit of travel, retest door opener. Failure to adjust the opener properly may cause severe injury or death.

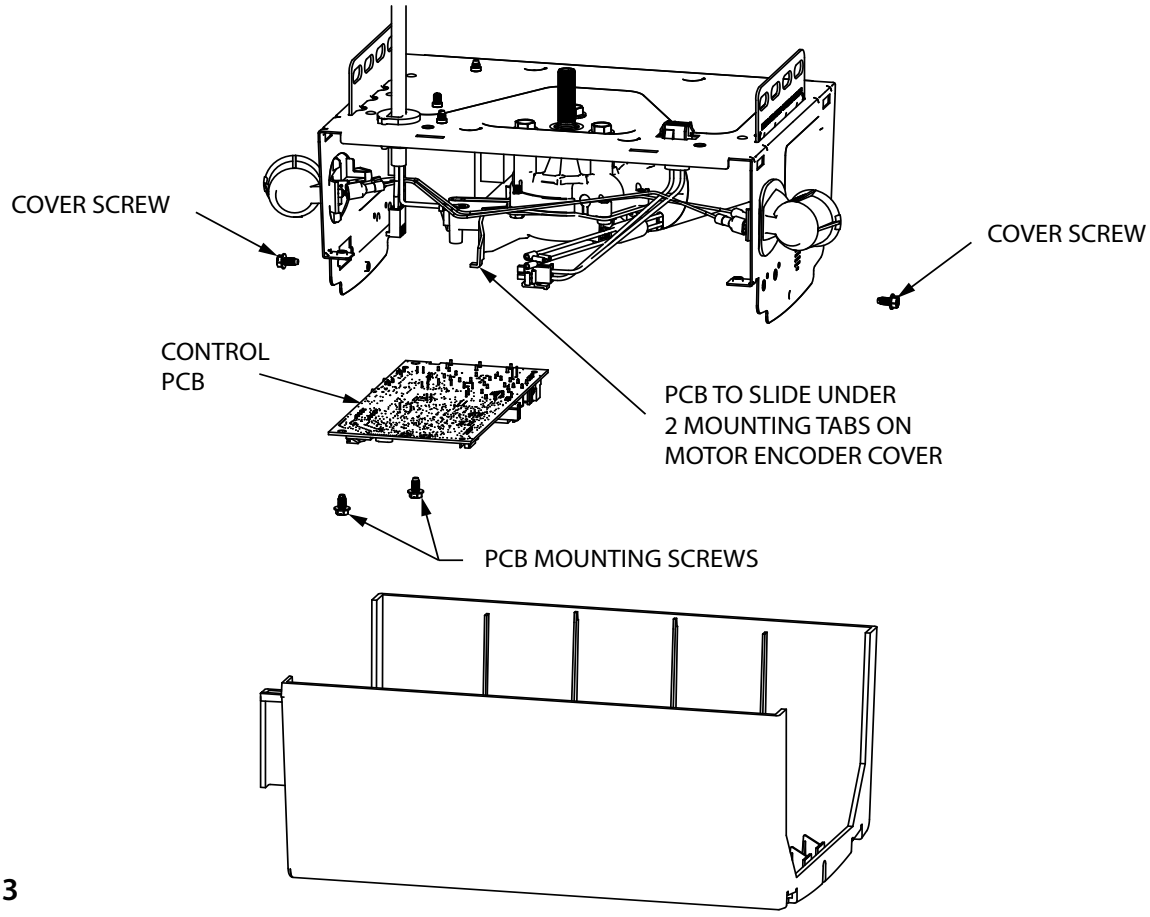


FIG. 3

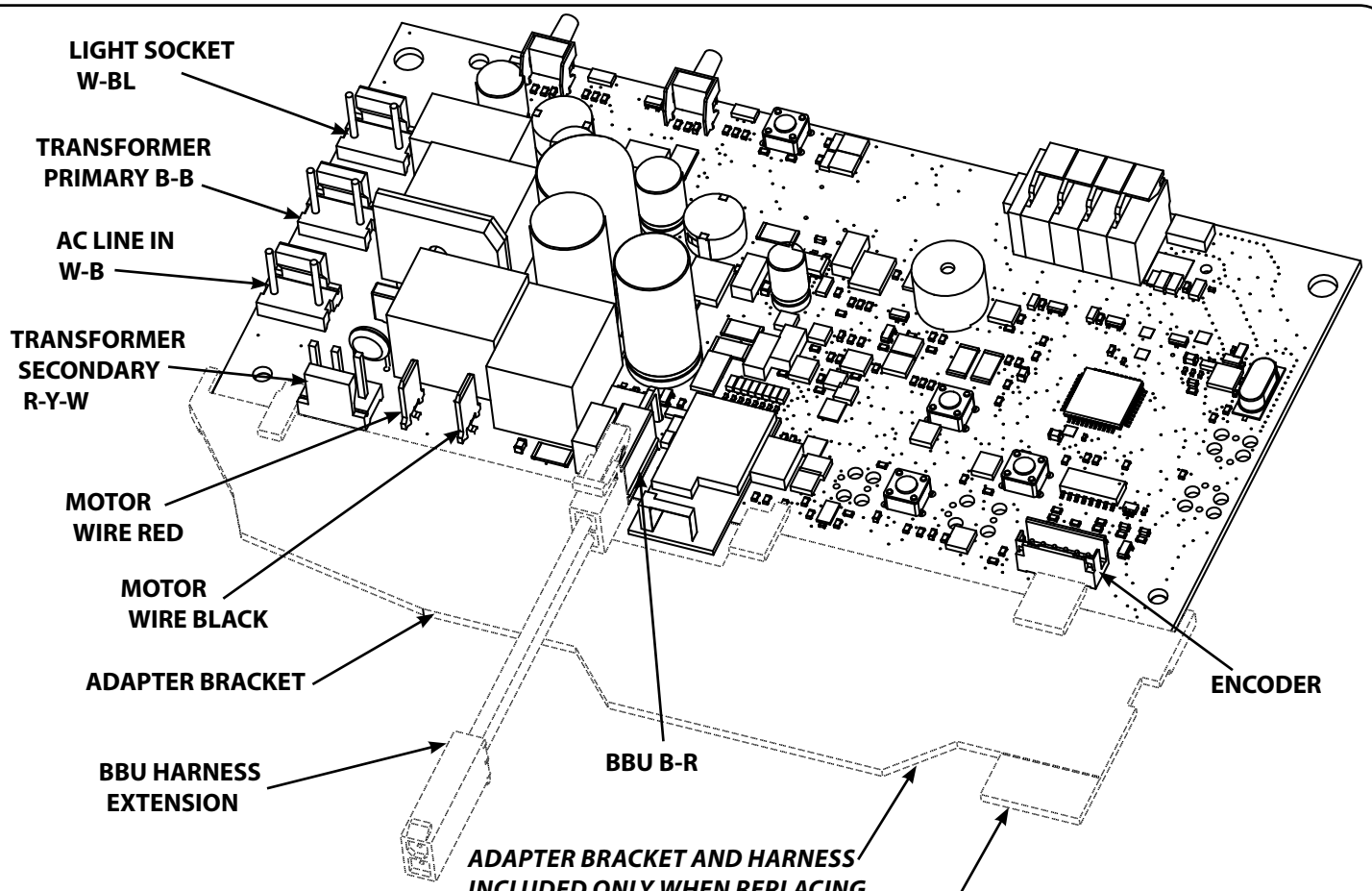


FIG. 4

Wire color legend
W=White
G=Green
B=Black
BL=Blue
R=Red
Y=Yellow

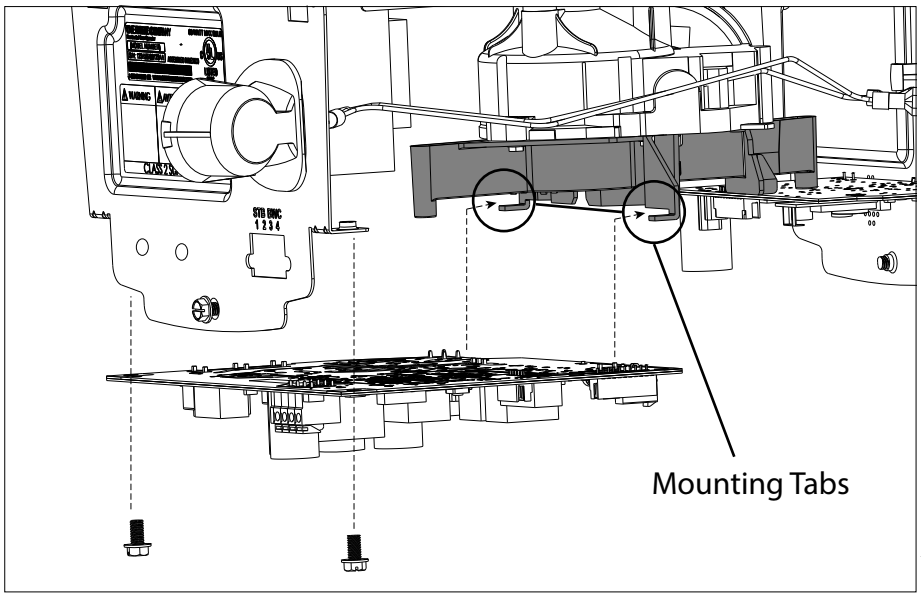
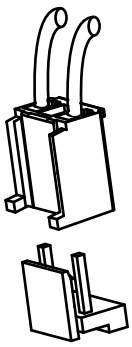


FIG. 5



Connector
Detail

FIG. 6

Parts removed for clarity