

MOTOR REPLACEMENT

for Chain/Belt Openers

This repair will require removal of the unit from it's mounting hardware and repairs made on a bench or floor. Refer to your Owners Manual and/or Installation Poster for proper assembly and carefully read and understand all warnings and cautions pertaining to your unit.

⚠ WARNING

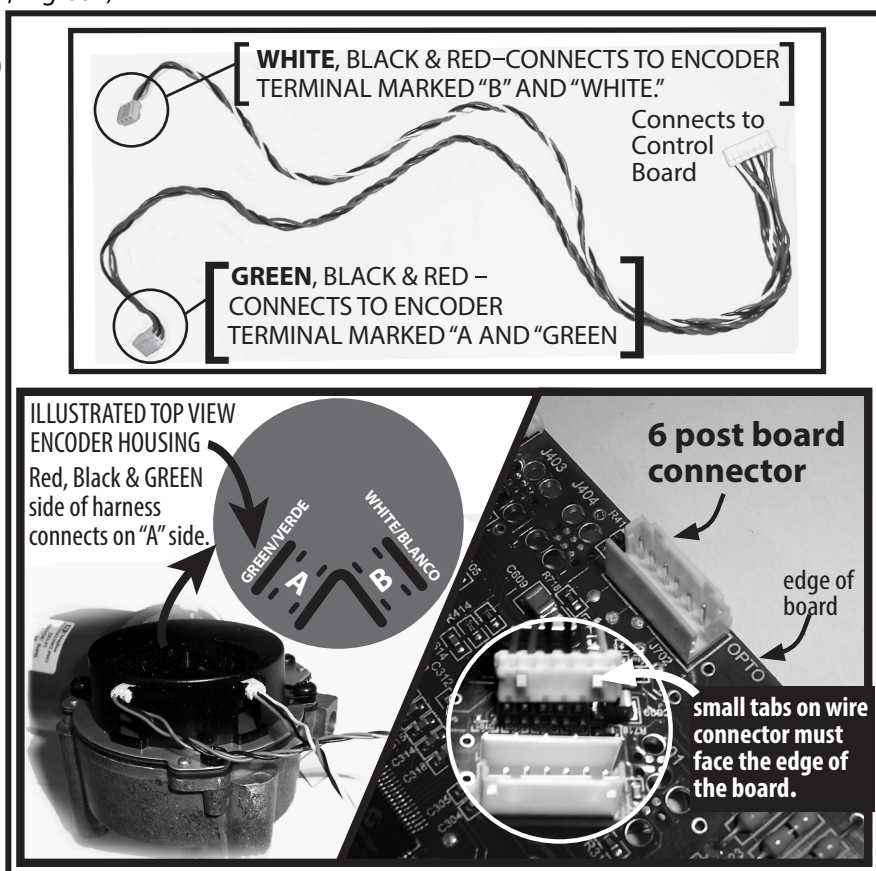
BE SURE ELECTRICAL POWER HAS BEEN DISCONNECTED FROM THE INPUT POWER LINES PRIOR TO REMOVING THE MOTOR COVER.

⚠ 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. Pull Emergency Release Cord on Carriage to disengage Opener to close door if necessary. (If unable to lower door using Opener, use extreme caution manually closing door. Before pulling Emergency Release Cord, make certain people and objects are clear of door opening.)
2. Unplug Opener Power Cord from power receptacle.
3. Open Lens Cover by pressing middle tab inward and remove Light Bulbs. **FIG. 4 & 9.**
4. Remove Wall Control and Safe-T-Beam wires from Terminal Block located on side of Opener **FIG. 4 & 9.** Use small common screwdriver to press in on orange tabs while gently pulling wires from block. Mark wires to help facilitate replacement.
5. Remove Network and Battery Backup Harnesses from front of Opener (if applicable).
6. Remove the 2-9/16" Nuts & Bolts from Door Arms to separate door from Opener. **FIG. 5.**
7. Remove Motor Head and Rail Assembly from mounting brackets and set on a clean work surface or floor.
8. Remove the 4-7/16" self tapping bolts from the Rail/Motor mounting straps and pull Rail from Motor Head. **FIG. 6.** Set Rail Assembly aside.
9. Remove two 5/16" screws securing Motor Cover to Chassis. **FIG. 9.**
10. Remove Control Board Ground Wire (A) (green) from Control Board if applicable. (Not required to remove from Chassis) **FIG. 9.**
11. Unplug all Harnesses from Control Board. **FIG. 8A/8B and 9.**
 - Light Socket Harness (2-white, 2-black, 1-green)
 - Motion Detector Harness, if applicable (1-black, 1-yellow, 1-red)
 - Motor Harness (1-red, 1-black)
 - Opto Sensor Single Encoder Harness (red, black and green wires) or Opto Sensor Dual Encoder Harness (2 red, 2 black, one green & one white.)
 - Power cord harness (Black/White)
12. Motor Cover can now be removed from Opener Chassis for repair.
13. Remove three Motor Mounting Bolts from top of chassis **FIG. 9.** Remove Motor Assembly. (Note Orientation of original Motor to aid in reassembly)
- 14A. Install replacement Motor Assembly in reverse order. If you have an opener equipped with a Dual Encoder Control Board (See **FIG. 8B.**) Use Opto Sensor Harness attached to the Motor provided. (See **FIG 1, 7B and 8B**)

DUAL ENCODER OPTO SENSOR HARNESS AND CONNECTIONS **FIG. 1**



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14B. Install replacement Motor Assembly in reverse order. If you have an opener equipped with a Single Encoder Control Board (See **FIG. 8A**) use Opto Sensor Harness from Motor Replaced or use Harness provided in kit. (See **FIG. 2, 7A & 8A**)

15. Install all Wire Harnesses onto Control Board. **FIG. 9 and 8A/8B.**

NOTE: Be certain to install all harnesses in the correct position being sure to install with locking tabs facing proper direction.

16. Install Ground wire (A) onto Control Board (if applicable). **FIG. 9.**

17. Install Motor Cover onto Chassis using 2- 5/16" screws.

18. Install Wall Control and Safe-T-Beam wires. Install Battery Backup and/or Network Harnesses if applicable.

19. Install Light Bulbs and close Lens Cover.

20. Install Rail to Motor Head Assembly using the two Mounting Straps and 4-7/16" self tapping screws.

21. Reinstall Opener Assembly in reverse order as removed. Reference your Owners Manual and Installation Poster.

22. Plug Opener in.

23. Clear and reprogram Limit Controls per Owners Manual.

SINGLE ENCODER OPTO SENSOR HARNESS AND CONNECTIONS **FIG. 2**

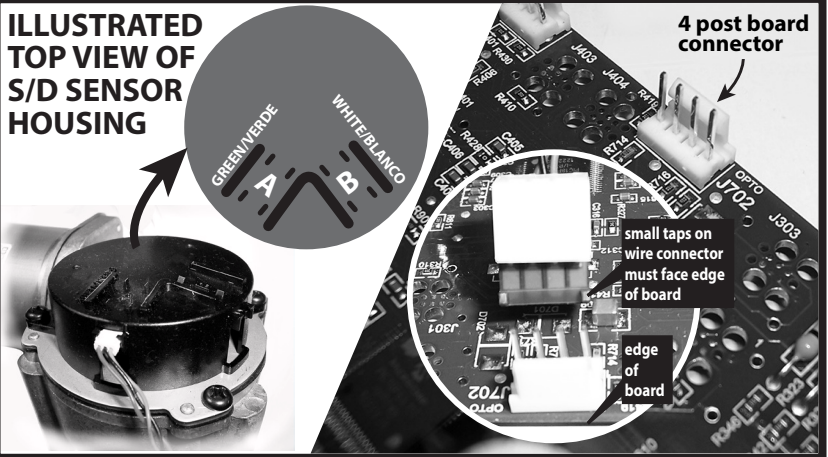
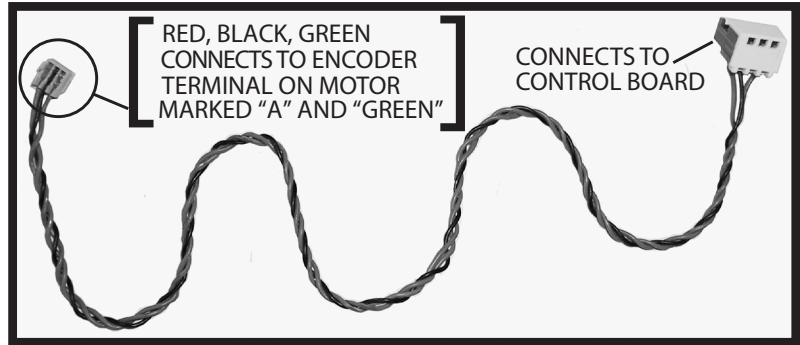


FIG. 4

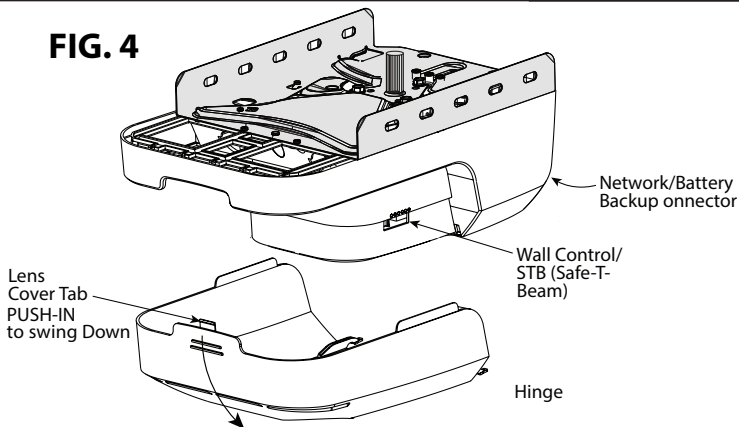


FIG. 5

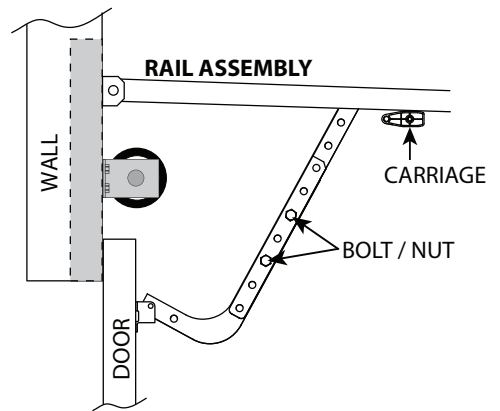


FIG. 6

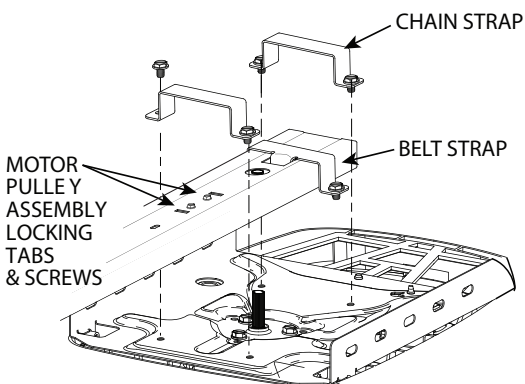


FIG. 7A

Single Encoder Board

Opto Sensor Harness Connection

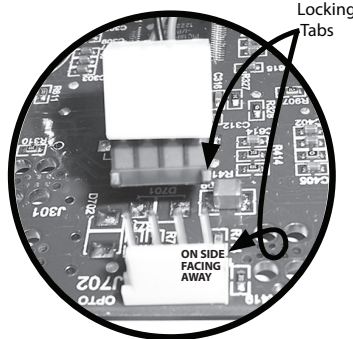
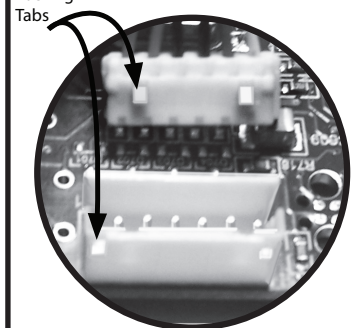


FIG. 7B

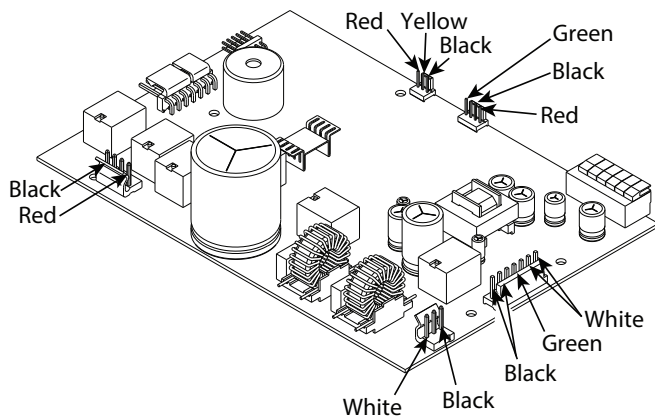
Dual Encoder Board

Opto Sensor Harness Connection



SINGLE ENCODER CONTROL BOARD

FIG. 8A



DUAL ENCODER CONTROL BOARD

FIG. 8B

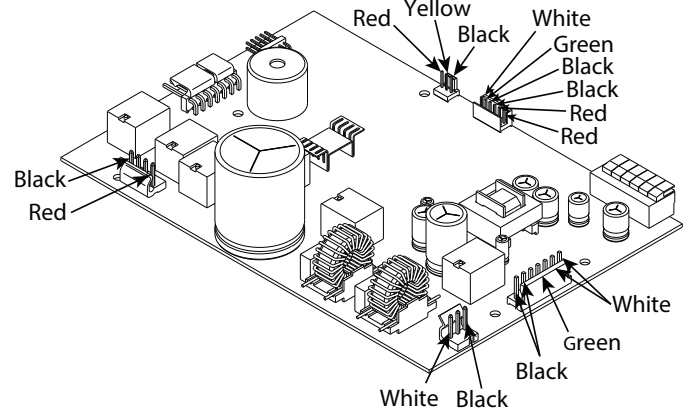
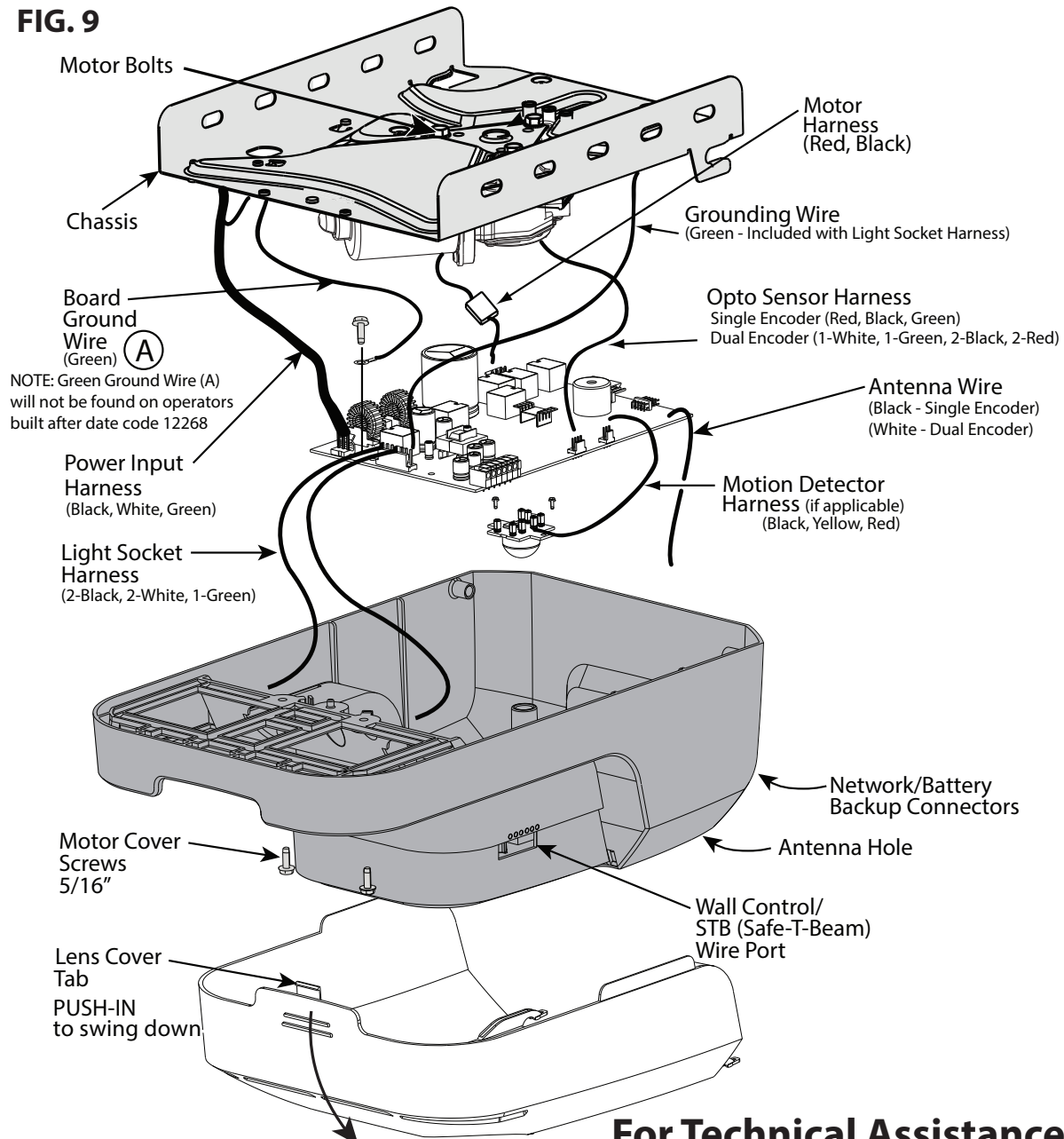


FIG. 9



**For Technical Assistance call
1-800-354-3643**