

248123 3 Phase to 1 Phase Kit

309961 Rev.A

To convert Reactor™ Proportioner from 230V 3 phase to 230V 1 phase

WARNING



Installing this kit requires access to parts which may cause electric shock or other serious injury if work is not performed properly. Read warnings in Reactor Repair manual. Be sure to shut off all power to the equipment before repairing.

Disassembly

1. Turn main power OFF . Disconnect power supply.



WARNING



Wait 5 min for stored voltage to discharge (E-30 and E-XP2 models only).

2. Open Reactor cabinet.
3. See FIG. 1 on page 2. Using 5/32 or 4 mm hex allen wrench, disconnect wire harness (L1, L2, L3) from disconnect switch (A). Do not disconnect the main power leads.
4. Disconnect wire harness ground wire (G) from ground terminal (B).
5. Using a flat blade screw driver, disconnect other end of L1, L2, L3 wires from connectors (C, D, P) at circuit breaker module (E). Disconnect other end of ground wire (G) from ground terminal (F) at right of circuit breaker module.

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6. Disconnect first pair of jumper wires (L2, L3) from Transformer Primary 20A circuit breaker (R). Disconnect second pair of jumper wires (L2, L3) from terminal block (H) at left of circuit breaker module (E).
7. Cut wire ties holding wire harness to cabinet walls and remove wire harness from cabinet.
8. Unplug connectors (C, D, P) from buss bar (M). Keep connectors for reuse.
9. Unplug 3 phase buss bar (M) from circuit breaker module (E).

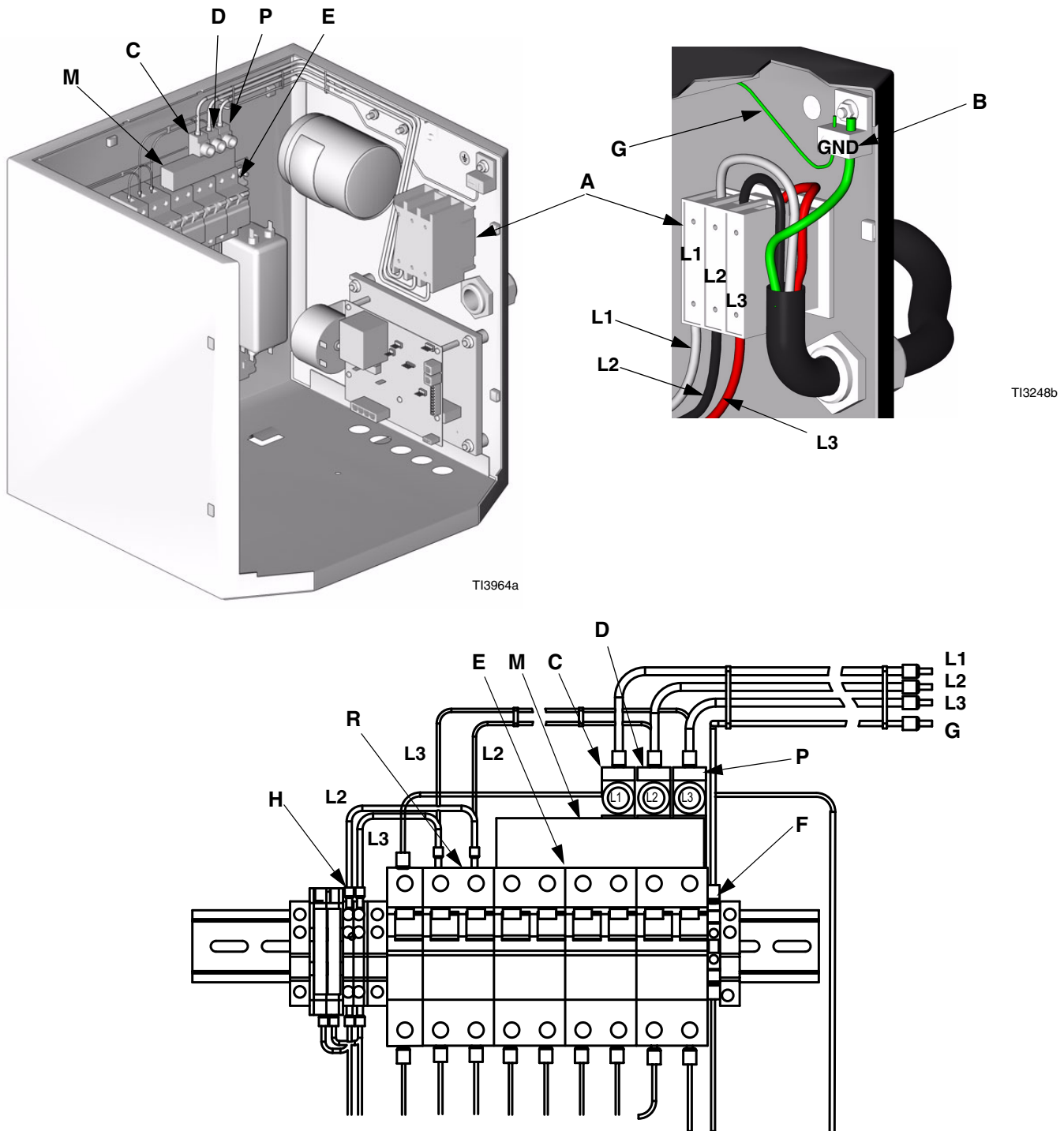


FIG. 1. Remove 3 Phase Hardware and Wire Harness

Installation

1. See FIG. 2 on page 4. Plug 1 phase buss bar (K) into circuit breaker module (E).
2. Plug connectors (C, D) retained from disassembly into buss bar (K) as shown.
3. Using a flat blade screw driver, connect wire harness (L1, L2) to connectors (C, D). Connect wire harness ground wire (G) to ground terminal (F) at right of circuit breaker module (E).
4. Connect jumper wires (L1, L2) to terminal block (H) at left of circuit breaker module (E).
5. Using 5/32 or 4 mm hex allen wrench, connect wire harness (L1, L2) to disconnect switch (A).
6. Route wire harness ground wire (G) over top of disconnect switch (A) and connect to ground terminal (B).
7. Secure wire harness to cabinet walls with wire ties supplied.
8. Close Reactor cabinet.
9. Reconnect power supply. Turn main power ON



. Return Reactor to service.

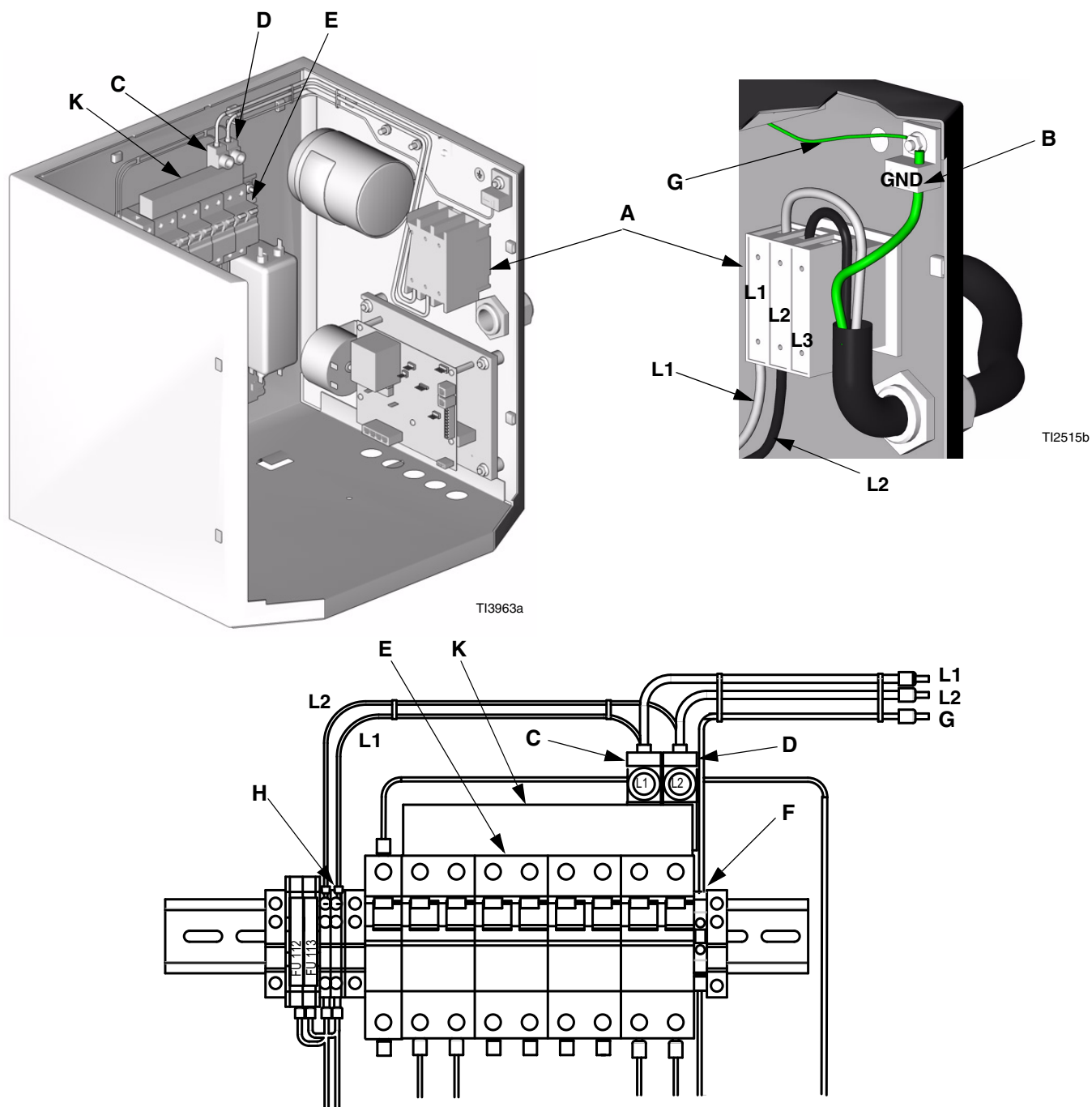


FIG. 2. Install 1 Phase Wire Harness and Hardware

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
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Sales Offices: Minneapolis, Detroit
International Offices: Belgium, Korea, Hong Kong, Japan
GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441
www.graco.com
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