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SCOPE OF THIS MANUAL

This manual provides instructions for installing service kit B290-901 for B2900 monitors:

IMPORTANT

- Any board must be replaced with an equivalent certified replacement part. You must contact Badger Meter for an appropriate replacement part.
- Repairs are only allowed to be carried out by the manufacturer or an authorized Badger Meter agent.
- Must be aware of proper ESD procedures and protocols. Any work must be done in an ESD approved environment.
- For any questions on installation, service replacements and other repairs contact Badger Meter.

UNPACKING AND INSPECTION

Upon opening the shipping container, visually inspect the product and applicable accessories for any physical damage such as scratches, loose or broken parts, or any other sign of damage that may have occurred during shipment.

NOTE: If damage is found, request an inspection by the carrier's agent within 48 hours of delivery and file a claim with the carrier. A claim for equipment damage in transit is the sole responsibility of the purchaser.

IMPORTANT

These instructions must be performed by a trained technician using only parts approved by Badger Meter.



OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC-SENSITIVE DEVICES.

SAFETY



WARNING

EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.



AVERTISSEMENT

RISQUE D'EXPLOSION - LA SUBSTITUTION DE COMPOSANTS PEUT RENDRE CEMATÉRIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 2.



WARNING

DO NOT CONNECT OR DISCONNECT EITHER POWER OR OUTPUTS UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.



AVERTISSEMENT

RISQUE D'EXPLOSION. NE PAS DÉBRANCHER TANT QUE LE CIRCUIT EST SOUSTENSION, À MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX.

Electrical Symbols

Function	Direct Current	Alternating Current	Earth (Ground)	Protective Ground	Chassis Ground
Symbol					

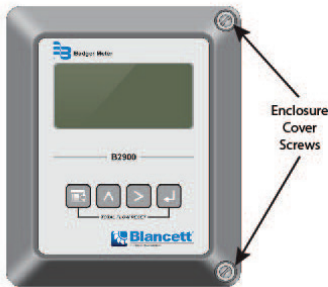
SERVICE KIT PARTS INSTALLATION

⚠ DANGER

REMOVE (DE-ENERGIZE) ANY EXTERNAL POWER FROM THE UNIT BEFORE REMOVING THE SCREW COVER FROM THE ENCLOSURE. FAILURE TO DO SO CAN BE DANGEROUS.

Service Kit Number B290-901 contains:

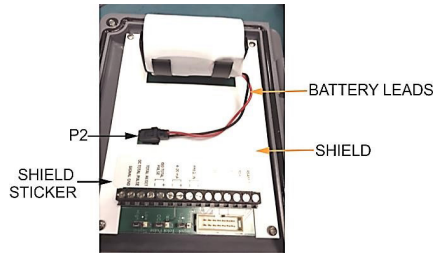
- One programmed PCB assembly
 - Four screws, Phillips pan head, #4 × 1/2, zinc/steel
1. Loosen the 2 enclosure captive screws and open the cover.



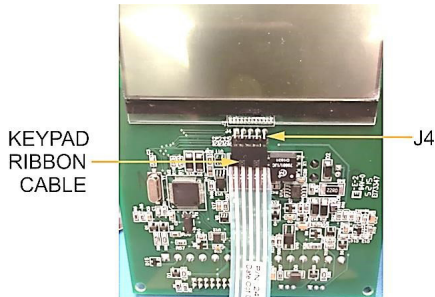
2. Remove the four screws holding the board in place.
3. Tilt the board slightly to access the ribbon cable.
4. Remove the ribbon cable from the J4 connector on the display side of the board.
5. Press the tab on the battery connector plug to release it from the P2 battery lead connector socket.
6. Cut and discard the tie wrap that holds the battery.

NOTE: You will need to replace the tie wrap that holds the battery in place.

7. Remove the battery and set it aside.



8. Record the locations of all wiring connected to the terminal block.
9. Remove all wiring from the terminal block.
10. Remove and discard the old board.
11. Attach the ribbon cable to the J4 connector on the display side of the new board.



12. Secure the new board with 4 screws.
13. Replace the battery.
14. Secure the battery with a tie wrap.
15. Attach the battery connector plug to the P2 battery connector socket on the new board.
16. Connect the wiring to the terminal block of the new board.
17. Close the enclosure cover and tighten the captive screws.

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