



PF2200 BMS CARD REPLACEMENT GUIDE

WARNING

- Explosion Hazard. Do not disconnect while the circuit is live or unless the area is free of ignitable concentrations.
- Explosion Hazard. Do not remove or replace fuses unless power has been disconnected or the area is free of ignitable concentrations.

AVERTISSEMENT

- Risque d'Explosion. Ne pas débrancher pendant que le circuit est sous tension ou à moins que l'emplacement ne soit exempt de concentrations inflammables.
- Risque d'Explosion. Ne pas retirer ni remplacer les fusibles ni à moins que l'alimentation n'ait été coupée ou que l'emplacement ne soit exempt de concentrations inflammables.

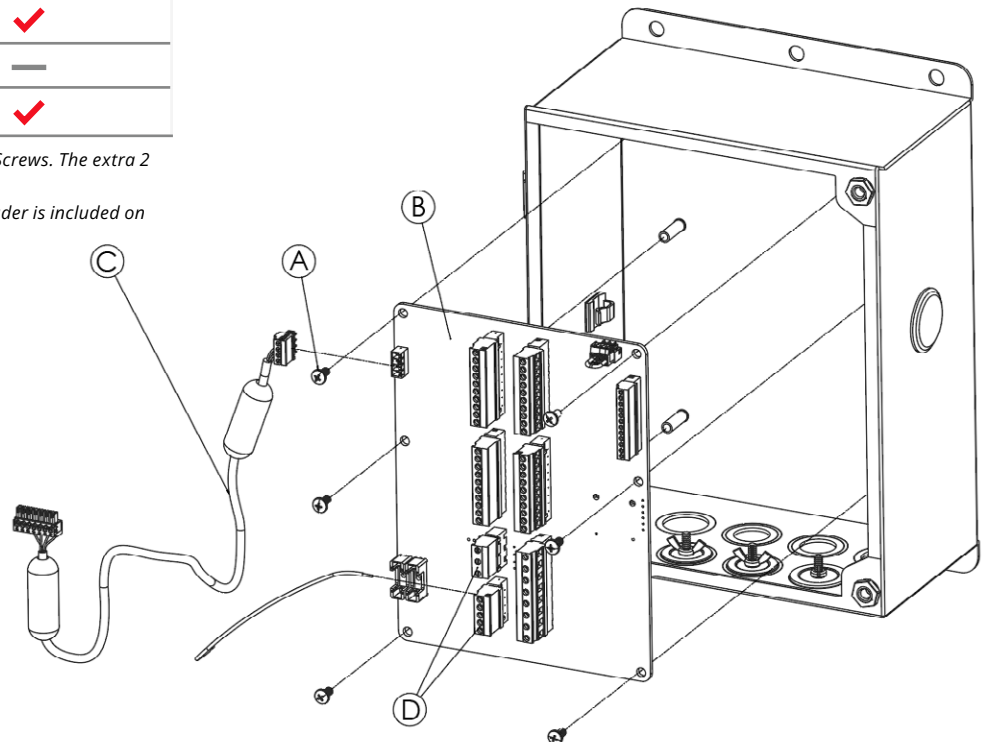
OVERVIEW

This document contains step-by-step instructions to replace the Profire PF2200 BMS Card.

COMPONENTS	INCLUDED WITH REPLACEMENT CARD
A 6 x Phillips Screws*	✓
B 1 x BMS Card	✓
C 1 x PFN Cable	—
D 9 x Headers**	✓

*Plastic enclosures only require 4 Phillips Screws. The extra 2 may be discarded.


**9/10 headers are included. The 10th header is included on the PFN cable (C)

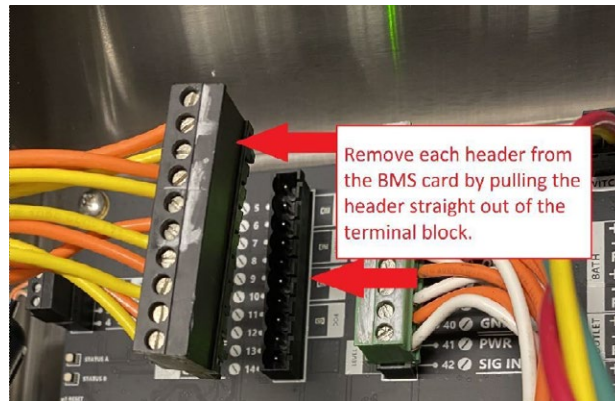


BEFORE YOU GO TO SITE


- ✓ Check that all components listed in the table above are included in the box and that you have any others that you may need to complete the repair.
- ✓ Ensure that you have the correct BMS Card before going to site since SB, DB and FD BMS cards are not interchangeable.
- ✓ Ensure that you have a USB stick with the necessary firmware to upgrade the system to in case the firmware in the cards on site do not match.

REMOVING THE OLD BMS CARD

1. Make a backup of the settings by first using the *Carousel Key*  to navigate to the *System* screen, then selecting the Backup menu item beneath the *Settings* heading.
2. Ensure all power to the PF2200 is cut prior to removing the old BMS Card.
3. Disconnect the Profire Network (PFN) Cable (C) from the old BMS Card.
4. Remove Headers from the old BMS Card.
5. Remove the old BMS Card by removing the 6 x Phillips Screws* and lifting the BMS Card from the enclosure.
6. If returning the old BMS Card to Profire for a warranty claim, please place the BMS Card in the ESD bag, then the remainder of the packaging to prevent damage during shipping. Please obtain an RMA number and mark it on the packaging before returning any parts to Profire.



INSTALLING THE REPLACEMENT BMS CARD

1. Gently install the replacement BMS Card (B) with the correct orientation onto the mounting studs and tighten the 6 x Phillips Screws (A)* for the BMS Card to **10in•lbs.**
2. Reconnect the PFN Cable (C).
3. Reconnect all Headers (D) to the BMS Card. Each header is keyed and must be installed in the same configuration prior to removal. *Refer to the image on the right for the orientation of the headers.*
 - Re-terminating the cables into the new Headers (D) may be required.
4. Ensure the firmware is up to date. Updated firmware is available through Profire at firmware.profireenergy.com. Refer to the **PF2200 Firmware Update Guide** (scan QR code) for instructions on updating the firmware.
 - Only firmware of the correct type will run on a BMS Card. For example, SB BMS Cards will only run SB firmware and DB BMS Cards will only run DB firmware.
 - If there is no internet access to download the latest firmware, the USB stick installed in the UI Card might have the original firmware version that shipped with the system.
5. Restore settings if a backup is available by first using the *Carousel Key*  to navigate to the *System* screen, then selecting the *Restore* menu item beneath the *Settings* heading. Alternatively, one may opt to manually re-enter the settings for the PF2200.
6. Always perform the site-specific commissioning procedure after changing a card or updating firmware to ensure that the system is operating correctly.

*Plastic enclosures only include/require 4 Phillips Screws.

