



Power Fuse Replacement

Contents

This document shows how to remove and replace power fuses in a Bulletin 2300 unit.

What This Kit Contains

Using the table below, verify that you have received the appropriate items in your kit:

For this part:	You should receive this quantity:
power fuse	1

Other Items Needed

Before you begin, be sure you also have the following:

- Tools you will need for:
 - Measuring voltages
 - Removing, loosening, and tightening bolts
- Documentation:
 - Your drive system schematics
 - Your user manual

Safety Precautions

The following general precautions apply when servicing a Bulletin 2300 unit:



ATTENTION: Only those familiar with the drive system, the products used in the system, and the associated machinery should plan or implement the installation, startup, and future maintenance of the system. Failure to comply can result in personal injury and/or equipment damage.

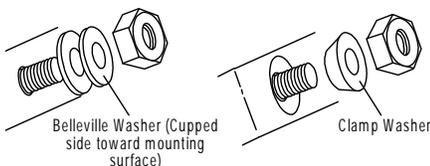
ATTENTION: Verify that all sources of AC and DC power are deenergized and locked out or tagged out in accordance with the requirements of ANSI/NFPA 70E, Part II.

ATTENTION: The system may contain stored energy devices. To avoid the hazard of electrical shock, verify that all voltage on capacitors has been discharged before attempting to service, repair, or remove a drive system or its components. You should only attempt the procedures in this manual if you are qualified to do so and are familiar with solid-state control equipment and the safety procedures in publication NFPA 70E.

ATTENTION: When servicing any unit, do not drop any nuts, bolts, washers, etc. inside the unit, as they may cause a short circuit on power up.

ATTENTION: This drive system contains ESD (Electrostatic Discharge) sensitive parts and assemblies. Static control precautions are required when installing, testing, or repairing this assembly. Component damage can result if ESD control procedures are not followed. If you are not familiar with static control procedures, refer to Allen-Bradley publication 8000-4.5.2, *Guarding Against Electrostatic Damage* or any other applicable ESD protection handbook.

Special Instructions



Important: You will need to reuse parts that are removed from the unit. Place parts, in the order removed, on a clean surface.

Important: Some washers, such as clamp and Belleville washers, have only one correct orientation.

Preliminary Steps

Before replacing the power fuses, shut off the power; lockout/tagout the unit; and wait five minutes for the voltage to discharge. Open the bay door to the power fuses.

Replacing the Power Fuses

1. Using a meter, test the voltage across the AC line, across the DC bus, and across each of the power fuses.



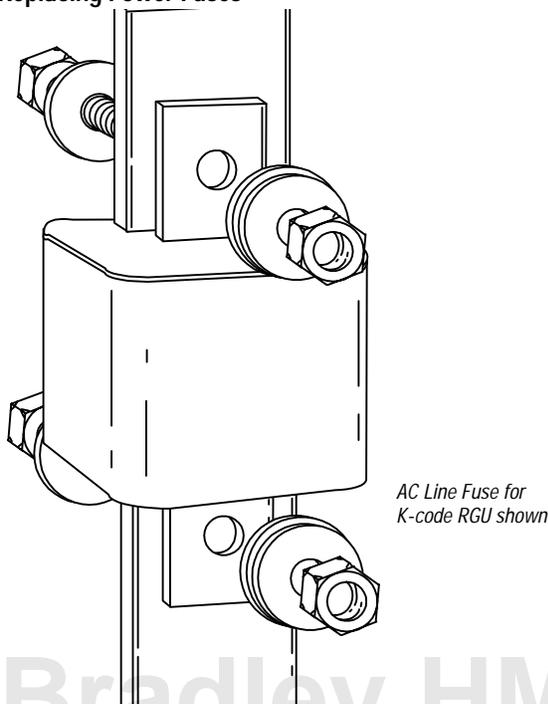
ATTENTION: If there is any voltage present, remove the source of the voltage. Check for voltages again before proceeding to the next step.

2. Remove the two bolts from the fuse and pull the fuse out.
3. Verify that the new fuse has the same rating as the old fuse (or check your user manual for the appropriate fuse rating).
4. Secure the new fuse using the torques below:

Size of Bolt/Nut	Torque
1/4 in (64mm)	10 lb-ft
5/16 in (79mm)	15 lb-ft
3/8 in (95mm)	20 lb-ft
1/2 in (127mm)	25 lb-ft

5. Repeat for each fuse to be replaced.

Figure 1
Replacing Power Fuses



Concluding Steps

After replacing the power fuses, check the unit for any tools or debris; then close the bay door. Discard the damaged fuses according to your company procedures and local ordinances.

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