



Control Fuse Replacement

Contents

This document shows how to remove and replace control 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:
fuses	<i>See the spare part listing for details.</i>

Other Items Needed

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

- Tools you will need for:
 - Measuring voltages
 - Removing fuses
 - Tightening screws

Safety Precautions

The following general precautions apply when servicing a Bulletin 2300 unit or drive system lineup:



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.

Preliminary Steps

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

Replacing the Power Supply

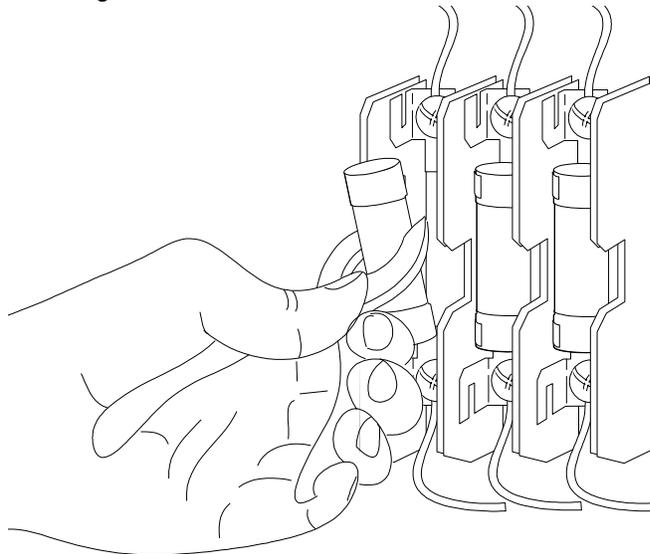
1. Using a meter, test the voltage across the AC line, across the DC bus, and across each of the fuses to be replaced.



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

2. Pull out the fuses.
3. Verify that the new fuses from this kit are the same type and rating as the fuses that removed from the unit.
4. Firmly press the new fuses into the fuseblock (the fuse rating should be made visible).
5. Verify that the wiring to the fuseblock is in good condition and that the terminals are secure.

Figure 1
Removing Fuses



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