	Form No.: 160.00-M1 (LS01)	801
	Supersedes: None	
LITERATURE SUPPLEMENT	File with: 160.00-M1	
Subject: IEEE 519 Logic Board Software Upgrade		

Recent field reports have indicated that chiller shutdowns are sometimes occurring due to the 519 filter having filter phase over current faults. Most of these faults have been caused by the switching of power factor capacitors by the utility, or locally by the customer. These same faults can occur when the customer has a heavily loaded transformer. This software upgrade will eliminate most of the nuisance filter phase over current faults.

If you are experiencing this type of problem with a 519 filter, then order the upgraded U26 chip from the Baltimore Parts Center. The part number for the chip is 031-01680-002 and the check sum is EA3B.

When you receive your part you will find an 8-pin chip to be installed in U26 on the 519 Logic Board. Verify the check sum to be EA3B.

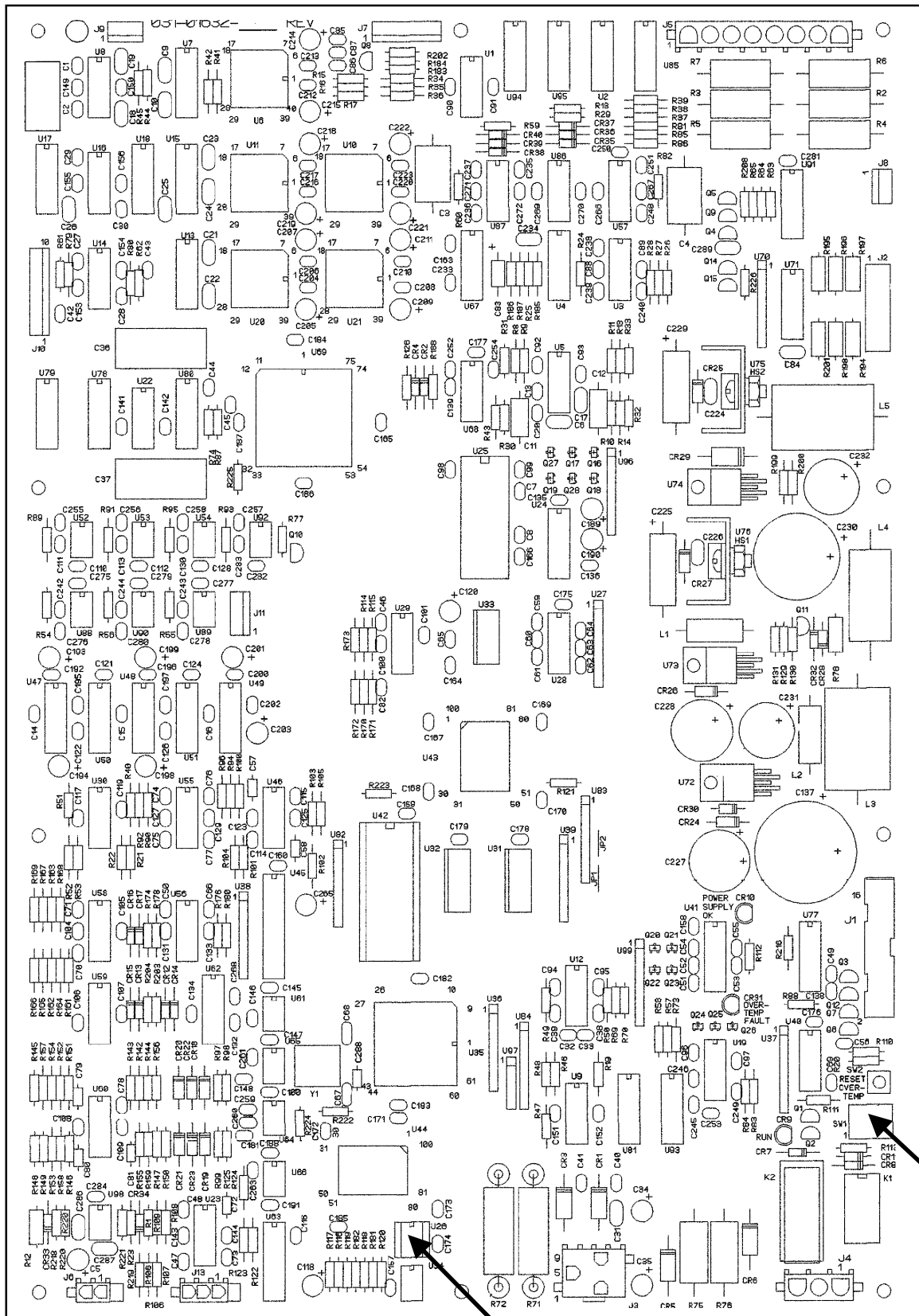
The U26 chip should be installed in the following manner. Place the compressor switch into the stop/reset position and wait for coastdown to complete. Remove power from the chiller and wait 5 minutes so that the bus voltage on the VSD and the 519 filter can discharge.

Refer to the back of this sheet for the location of U26 on the logic board. Remove the existing chip in the U26 slot from the 519 filter logic board (031-01632-0XX) and replace it with the new chip from the Baltimore Parts Center check sum EA3B. When installing the new chip ensure that the notch on the chip is pointed toward the top of the board.

If the filter has been disabled, then reconnect the 16 pin ribbon cable between the VSD logic board and the 519 filter logic board. Place SW1 in the up position. Refer to the back of this sheet for the location of SW1.

Re-apply power and start the compressor.

TOP of BOARD



U26
Note that "notch" is up

SW1