

# TB0450 CMOS Battery Replacement

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## Technical Bulletin

<b>TB Number:</b>	450
<b>Originator:</b>	Ben Kinnard
<b>Machine:</b>	All
<b>Date:</b>	10/07/19
<b>Circulate to:</b>	Stores; Service;
<b>Title:</b>	CMOS Battery Replacement

## Problem

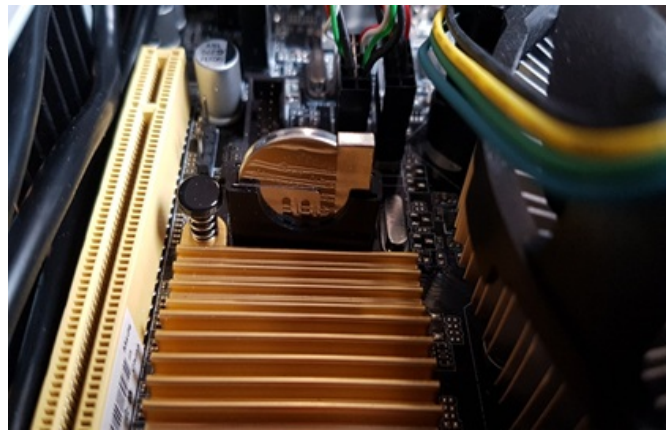
Internal CMOS batteries are used in PCs to keep a constant power supply to BIOS memory while the main power supply is switched off. These batteries should last up to 5 years when a PC has been left idle. Sometimes these batteries can fall flat before this time either due to being low when sent out or extended use on older machines.

The main symptom of a CMOS battery faulting on a Stuga machine is the PC not booting up when mains power is switched on which will be indicated by a "No Signal Detected" message being displayed on the screen. This is due to the BIOS setting "Restore AC Power Loss" going back to its default value of OFF due to the battery faulting. Restoring the BIOS to its original settings is a temporary fix in this situation as it is most likely this will happen again a couple of months down the line (See TB 376 or 213).

The battery required is a **CR2032**. In the case of the Antec PC, and most commonly, the battery is held in an open housing that can be pushed to release and easily replaced. In PCs such as the Acer Revo the battery needs to be pre-wired with a plug but still easily unclipped and replaced.

## Replacing CMOS battery

Antec PC:



Acer Revo PC:

