



TECH BULLETIN

TECH BULLETIN NUMBER      0163  
 PCR                                10302009

DATE                                10/30/2009

SUBJECT                            MMS v1.4 firmware update

MODELS AFFECTED                MMS1012 & MMS1012G

REPAIR PROCEDURE                None

WARRANTY                            Non-warranty item

To be used with control board rev D & E only and power board rev C, D+

Was:	Is:	Implication:
Rev 1.3	Rev 1.4	
Overvoltage while charging following full charge	Software modified to prevent overvoltage	Overvoltage prevented
Search watts cal'd for power board rev A	Search watts recalibrated for rev C & D power boards	Search watts accurate for now power boards
AC overload would timeout in less than 10 seconds	AC overload operation same as MS series	AC overload less likely to require manual reset
No custom battery settings	Enabled custom battery settings	Can now set custom battery voltages