

# TECHNICAL BULLETIN

## ➤ *Advisory* ◀

**Reference** 143  
**Route to** **Modernization Manager/Service Manager**  
**From** MCE Technical Support Department, (916) 463-9200 then press 3  
**Date** April 1, 2009  
**Pages** 1

---

**Subject** **Brake Voltage Calibration**

---

**Equipment** **All IMC & i Series Controllers**

**Description** Through recent field trips by MCE's personnel, it has been observed at various job sites, that the brake voltage is not dropping to the rated holding value (remaining at the "picking" voltage) for an extended period of time. This may result in overheating of the brake coil. As the operating temperature of the brake coil changes, not only does the coil resistance change, but it also affects the lower and upper threshold of the voltage that's controlled by the brake module or the digital drive.

**Action** As described in MCE's installation manual, it is necessary to perform the brake field calibration in a cold and hot state to ensure that the voltage is dropping from "picking" to "holding". Completion of this procedure can be confirmed by verifying (measuring) that the brake voltage is dropping from "picking" to "holding" value within 1-2 seconds. You can locate the brake calibration procedures in the controller installation manual or contact MCE technical support for assistance.

**MCE Help** As always, should you require any additional technical assistance on this or any other issues; please call:

- (916) 463-9200
- Press "3" for Technical Support
- **Refer to the reference number above**