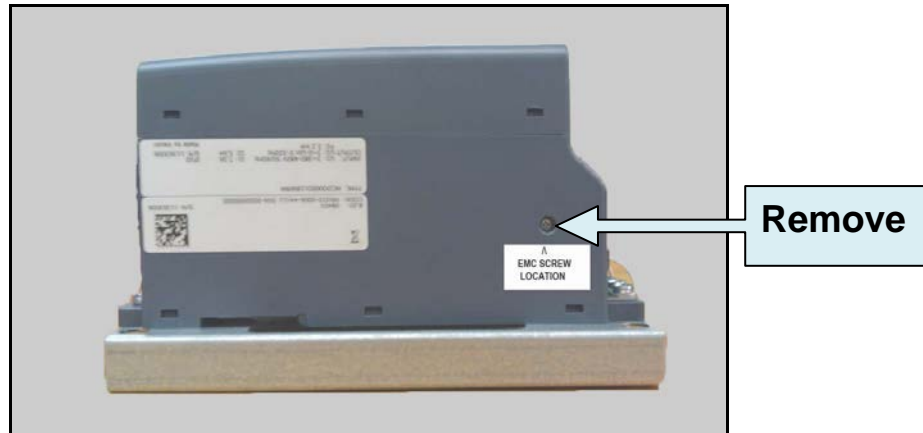


## TECHNICAL TIP - CMNXT (TMK) TRAVELLING INVERTERS

- **An under or over voltage fault** may occur at start-up in crane packages utilizing the newest CMNXT (aka TMK) travelling inverters.
- If this fault occurs, remove the EMC screw located on the left side of the CMNXT inverter and see if the fault is eliminated.



- The Service Manual also states the following troubleshooting suggestions:

Red LED OFF   Blink   ON	Green LED OFF   Blink   ON	Denoting Code Number
	Blink twice 	2

Code	Fault	Possible Cause	Solution
2	Power supply under- or over voltage, over voltage at start	<ul style="list-style-type: none"> <li>• The supply voltage is below 240VAC.</li> <li>• The supply voltage is unbalanced.</li> <li>• The deceleration time is too short.</li> <li>• The supply voltage is over 528 VAC (480V+10%), has over voltage spikes or not sinusoidal wave form.</li> </ul>	<ul style="list-style-type: none"> <li>• Check that the supply voltage is not unbalanced.</li> <li>• Check that the supply voltage level is above 380VAC-15%. Use, for example, an autotransformer to boost the voltage.</li> <li>• Set a longer deceleration time.</li> <li>• Measure the supply voltage level and wave form, use an autotransformer to lower the voltage.</li> <li>• Check the braking resistor cable (model 006, not 003).</li> <li>• Check the braking resistor type and resistance (internal 120_, external 90_).</li> </ul> <p><b>To reset:</b> Voltage must increase above the limit OR power off and restart after 1 min. Main voltage must be under 528 VAC</p>

➔ For additional questions or troubleshooting, please contact R&M Technical Support at 1-800-955-9967 or 937-328-5100, option #6.