



# Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

**December 24, 2007**

## EMAX Troubleshooting

When performing a Power test, there are many parameters to consider. With proper loading, a high current imbalance leads us to search deeper into a problem.

The EMAX voltage leads can be used as a halfway bracket for troubleshooting. If a high voltage imbalance along with the current imbalance is present, the fault is upstream, or before the connection point. If a high impedance imbalance is present, then the problem is downstream, or somewhere after the connection point. This can include the motor itself.

This bracketing can help narrow down the location of the issue, and dramatically decrease troubleshooting time.

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You are invited to submit an Electric Motor Testing Tip of your own and receive a free PdMA mug or hat if we publish it! Contact Lou at 813-621-6463 ext. 126 or [lou@pdma.com](mailto:lou@pdma.com).