



Tip Of The Week

July 18, 2011

They Don't Make 'em the Way They Used To

Motors today are precision built for performance and efficiency. Compared to motors of many years ago, today's motors have a much smaller steel mass for the same horsepower. One of the disadvantages of this lighter motor is how easy it is to warp the frame by applying too much torque to the foot of the motor. This results in a non-symmetrical air gap between the rotor and stator causing vibration and reduced reliability. To prevent this, manufacturers specify the proper amount of torque to be applied when installing a motor. Don't forget to include a calibrated torque wrench in the tool bag before you start the installation.

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.

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