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The Seven-step Process for Basic Electrical Troubleshooting

Step five of the seven-step troubleshooting approach is *Correcting/Repairing the Component*.

Correcting/Repairing the component identified as damaged can range from simple adjustments to a complete component replacement. For the boiler feed pumps discussed throughout this series of tips the technicians found that one motor had bent/damaged rotor bars as well as other related damages. Large rotors are often repaired and returned to service. However, consideration must be given to the cost comparison of replacement vs. repair.

For help in answering the repair or replace question, read *The Green Solution* at <http://www.pdma.com/pdfs/Articles/WhitePapers/TheGreenSolution.pdf> or view a short *Repair or Replacement?* presentation at http://www.pdma.com/webinars/Energy_Green/Energy.html.

To read more about this step and see it applied to a boiler feed pump example, read the Basic Electrical Troubleshooting document at <http://www.pdma.com/pdfs/Articles/Troubleshooting.pdf>.

Over the next two weeks we are going to detail each step. Next week's topic will be *Verify the Repair*.

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.