



**UFS Corporation**  
 330 North 400 East  
 Valparaiso, IN 46383-9704 USA  
 PH: 219-464-2027 FAX: 219-464-8646  
 www.ufsc.com  
 email: service@ufsc.com

# Service Reference

## Topic: Troubleshooting TECTRON™ Bare Electrodes

Please read all the instructions listed below carefully to familiarize yourself with the project before attempting to perform any of the work or unpacking any further.

Problems can arise at anytime. Please use this listing by first focusing on the left hand column, then moving to the middle column to further define the possible problem. Consider each one of these causes carefully. At this point, its time to move to your ED system and investigate each of the causes. Testing is sometimes necessary. It is good practice to try to isolate the most likely causes in order to reduce your testing. Finally, move to the right hand column to see the appropriate remedy.

Problem	Possible Cause	Remedies
Broken PVC Cap at Bottom of Holder.	- Dropping Electrode into Electrode Holder	- Replace Electrode Holder. Lower Electrode slowly into Electrode Holder. DO NOT DROP!
Paint Solids Build-up on outside of Electrode Holder in Zone 1 Cells.	- Reverse current flow in a multi-zone tank.	- Add diodes to Zone 1 Cells and clean Electrode Holder as required.
Low Rectifier Current Output	- Loose bus bar or Electrode tab connections. - Poor grounding contact.  - Fouled Electrode Holder/Electrode. - Low paint conductivity. - Rectifier problem. - Low voltage.	- Tighten as required.  - Clean/replace contacts. Clean racks. - Clean as required. - Investigate. - Investigate. - Adjust as necessary.
Low Individual Cell Current Draw	- Loose connection.  - Corrosion at Electrode Tab.	- Compression washer should be flat. - Use only stainless steel hardware.
Brown Sludge in Cell	- Usually iron oxide-type sludge.	- Clean off Electrode and Flush Electrode Holder.
Cell Does Not Hang Straight.	- Strut channels off-set.	- Use shims between neck of Cell and strut channel as needed.

**For more information** see the original manual that came with the equipment or call UFS at the phone number shown above.