

**Technical Bulletin #05**

**To:** Coulometrics Support Personnel  
**From:** Engineering Dept.  
**Date:** March 24, 1994  
**Subject:** Changing out the CM101-134 Detector Cell Assembly

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**Purpose:**

The purpose of this memo is to describe the change out procedure for installing a new Detector cell Assembly CM101-134 into a CM5012 Coulometer.

**Procedure:**

1. Unplug the Coulometer from the power source.
2. Remove the Left side cover.
3. Disconnect the assembly from the CM110-020 Carbon Front End P.C.B by :
  - a. Unplugging the P3 Plug.
  - b. Unplugging the ground lug.
  - c. Cutting the tie wrap holding the cable assembly.
4. Locate the four 6-32 stainless steel socket head cap screws in the cell housing. Use a 7/64 inch socket wrench and unscrew the four socket head screws which hold the detector assembly in the cell housing. Hold the housing with your free hand while removing to avoid damage to the assembly.
5. Remove the assembly from the instrument.
6. To install the new assembly, reverse the procedure.