

Technical Bulletin # 39

To: Coulometrics Support Personnel

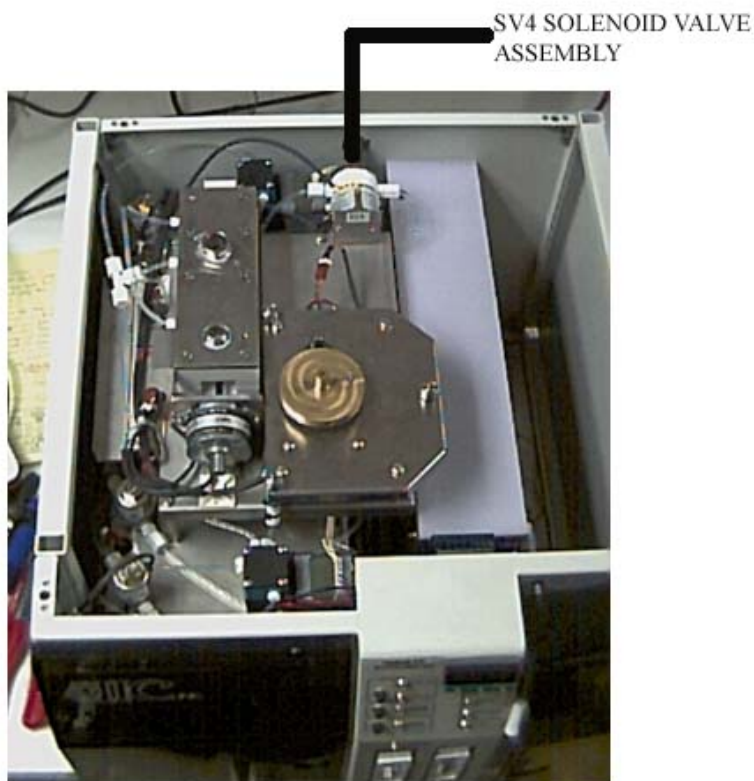
From: Applications/Engineering Dept.

Date: May 13, 2004

Subject: Installing CM101-212 SV4 Assembly in the CM5240 .

Installing SV 4

1. Make sure the CM5240 is in the 'home' position and is ready for sample analysis. (The acid light and load sample light is on and not blinking.) If not in the 'home' position, press the 'Clear/Init.' button to return the slider to the home position
2. Turn off the instrument using the switch on the front of the unit.
3. Unplug the power cord from the back of the unit.
4. Disconnect the heated condenser power plug and thermocouple plug from the rear of the CM5240.
5. Unplug the male fitting from the quick connect fitting on the rear of the CM5240 labeled 'from condenser', if present.
6. Carefully remove the heated condenser from the slider valve body.
7. Unscrew the shipping/alignment screw (metric head – probably 7 mm).
8. Remove the top of the CM5240.
9. Locate SV 4.



CM5240 TOP VIEW

10. Using a 7/16" wrench unscrew the three nuts connected to the valve. **Note.** Do not attempt to remove the Teflon lines from their positions. These lines will remain in position for easily connecting the replacement valve. Do not remove the mounting bracket for SV 4.
11. Trace the SV 4 wire to the left side of the slider valve and disconnect from its connector. Push the connector through the rubber grommet and unwind the wire from the slider valve base support post.
12. Using a 3/32 hex key (US) remove the two small cap screws holding the valve to the mounting bracket. Note that the center fitting on SV 4 points down.
13. Install the replacement SV 4 valve by proceeding in reverse starting at step 12, above.