



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

A Teledyne Technologies Company
9480 Carroll Park Drive, San Diego, CA 92121-5201
Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190
E-mail: api-customerservice@teledyne.com <http://www.teledyne-api.com>

Service Note

**97-033 REV C
2 May, 2007**

M300 DUST COVER RETROFIT

- I. Scope:** To assist in the installation of the Dust Cover Retrofit for the M300 with the old style bench.
- II. Tools Required:**
- A. #2 Phillips head screwdriver
 - B. 7/16 and 9/16 wrenches
- III. Parts:**
- A. KIT000100 M300 Dust cover retrofit KIT
- IV. Procedure:**
- A. Remove the power to the analyzer.
Remove the 1/4 inch line at the sample pump (from flow meter).
Remove the 1/8 inch line at the particulate filter (from rear panel).
 - B. Disconnect the electrical connections to:
 - Motor
 - Source
 - Bench heater/thermistor
 - Preamplifier power (at the mother board and power supply)
 - Ground straps to bench
 - C. Unscrew the four #8 screws that hold the bench to the instrument (bottom of instrument) and turn the bench on its side.
 - D. Remove the three screws holding the source plate to the standoffs (throw the three screws away, new screws are included in the kit).
 - E. Remove the three standoffs that hold the source plate to the bench (throw the standoffs away).
 - F. Place the large dust cover onto the bench and the motor onto the dust cover.
 - G. Put the three new long screws through the source plate and dust cover and tighten into the bench.
 - H. Turn the bench upside down.
 - I. Install the small dust cover onto the large dust cover (over the opto sensor).
 - J. Put the two new small screws through the small dust cover into the large dust cover and tighten.
 - K. Turn the bench right side up and reinstall all of the connections to the bench.