



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

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Service Note

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REMOVAL AND REPLACEMENT OF THE O₃ GENERATOR DISCHARGE TUBE ASSEMBLY

Subject: Information on how to replace the discharge tube in a failed ozone generator for Model M200, M251, M252, M200A, M201, M202, M200H and M200AH.

Tools: #2 Phillips head screwdriver, 7/16" wrench, 1/2" wrench, leak checker.

Procedure:

- 1. UNPLUG THE ANALYZER FROM THE POWER SOURCE!!**
- 2. Remove the O₃ generator from the chassis.**
 - a. In the 200A, loosen the 4 captive screws from the mounting bracket. Remove the power plug. Remove the black tube from the reaction cell. Remove the clear tube from the adapter fitting. Pull the O₃ generator from the chassis.**
 - b. In all other NO_x models, remove the 4 screws from underneath the analyzer. Remove the power plug. Remove the black tube from the reaction cell. Remove the clear tube from the adapter fitting. Pull the O₃ generator from the chassis.**
- 3. Remove the 4 screws from the O₃ generator cover and remove the cover.**
- 4. Remove the 2 tubes from the discharge tube housing.**
- 5. Remove the 2 screws holding the discharge tube housing to the ceramic standoffs.**
- 6. Remove the housing from the O₃ generator.**
- 7. Installation is the reverse of removal. See the attached sheet for proper orientation (45 degrees) of the housing.**
- 8. Leak check after installation but before powering on analyzer.**