

Replacement Procedure 222105PM

OsmoTECH® PRO Power Supply Cooling Fan

Scope

This document describes how to replace the power supply cooling fan (p/n 222105R) on the OsmoTECH® PRO Multi-Sample Micro-Osmometer. It is intended for use in conjunction with service procedures that require access to the OsmoTECH PRO interior.

Tools required

- #1 and #2 Phillips screwdrivers
- 5/16" nut driver
- Static grounding wrist strap

Parts and materials required

Replacement part 222105R

Related documents

- *OsmoTECH PRO Disassembly and Reassembly (p/n 222202PM)*
- *OsmoTECH PRO Service Guide (p/n 222006EN)*

Safety notices



WARNING: Hazardous Voltage. Power cord must be disconnected to prevent electrical shock.



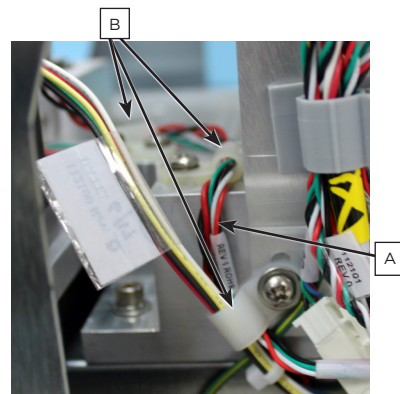
NOTICE: Internal components may be damaged by static electricity. A static grounding wrist strap must be worn during this procedure.



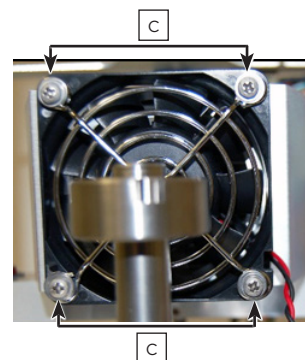
NOTICE: Improper connections may cause damage to the instrument.

Removing the cooling fan

1. Disassemble the instrument by performing the disassembly instructions in *OsmoTECH PRO Disassembly and Reassembly*.
2. Remove the cooling fan wire leads [A] from the three cable clamps [B].



3. Remove the four screws and washers [C] that secure the cooling fan, the finger guard, and the air-flow diverter to the cooling assembly's heatsink.



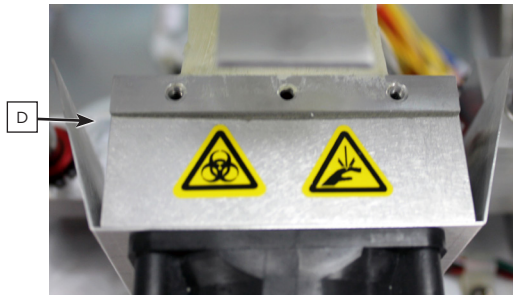
4. Remember/record the position and orientation of the cooling fan, and then remove it from the chassis.



Replacing the cooling fan

1. Install the replacement fan in the same position as the old fan, with the arrow molded onto the fan body facing the heatsink.

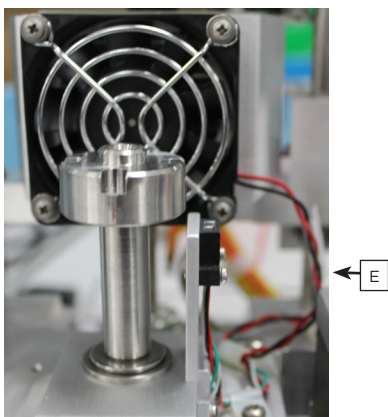
Make sure that the air-flow diverter [D] is equally spaced on the heatsink.



2. Lift the cooling assembly so that it is approximately ½-inch below the underside of the stripper bracket.
3. Carefully secure the cooling fan wire leads [A] with the three cable clamps [B] (see [Removing the cooling fan](#) for the image and callouts).

Do not place any stress on the cooling fan wire leads as you secure them with the first cable clamp.

4. Make sure that there is a service loop [E] in the secured wire leads.



5. Reassemble the instrument by following the reassembly instructions in *OsmoTECH PRO Disassembly and Reassembly*.