



REPLACING THE WORLD PUMP FAN

I. PURPOSE:

To give the end user instructions on how to replace the fan on the world pump used in E-Series instruments.

II. TOOLS:

Flat Tip Screwdriver
Phillips Screwdriver

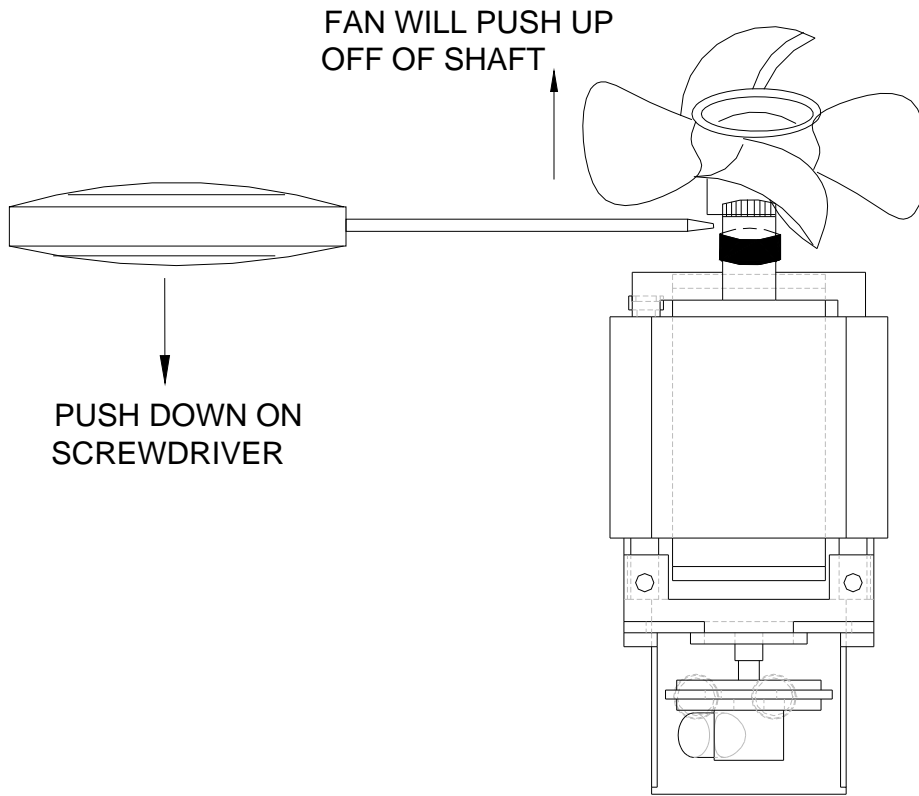
III. PARTS:

PU0000062

IV. PROCEDURE:

1. Remove the power from the instrument.
2. Remove the Top cover of the instrument.
3. Locate the pump.
4. Disconnect the connector that supplies power to the pump.
5. Remove the two tubes connected to the top of the pump.
6. Remove the pump assembly from the instrument.
7. Tilt the pump so the fan is on top. Using the flat tip screwdriver pry the fan off of the pump shaft. (Refer to Diagram 1)
8. Once the fan is removed you must remove the spacer. Using the flat tip screwdriver pry the spacer off of the pump shaft in the same manner as step 7 above. (Refer to Diagram 2)
9. Take the new fan from the kit and place it on the pump shaft. (Refer to Diagram 3)
10. Using the handle of the screwdriver, GENTLY tap the fan on to the shaft until the fan and the top of the shaft are flush. (Refer to Diagrams 4 & 5). Ensure that there is enough room between the fan and the pump motor for the fan to spin freely.
11. Install the pump back into the instrument and connect the tubing and power connector to the fan.
12. Power on the instrument and check the pump to ensure that the fan is spinning properly.
13. The instrument is ready for use.

DIAGRAM 1



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DIAGRAM 2

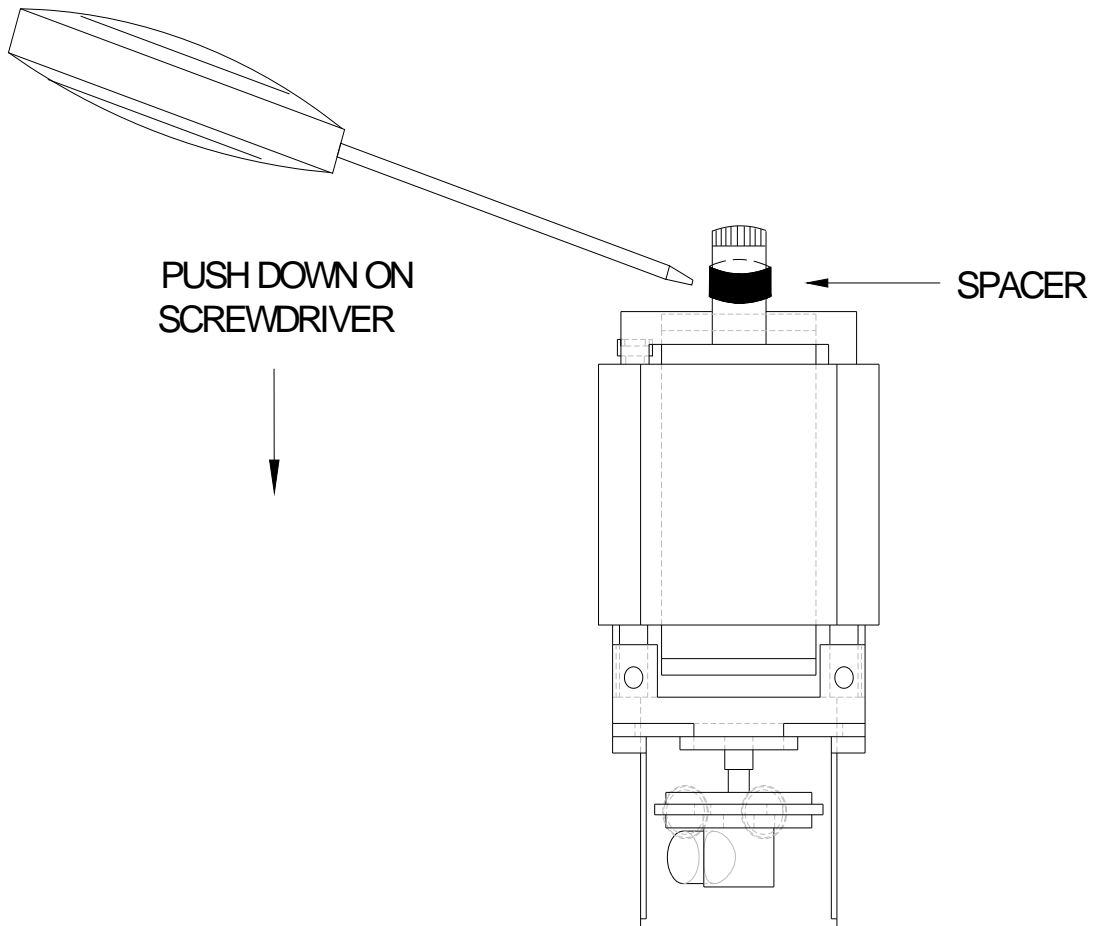
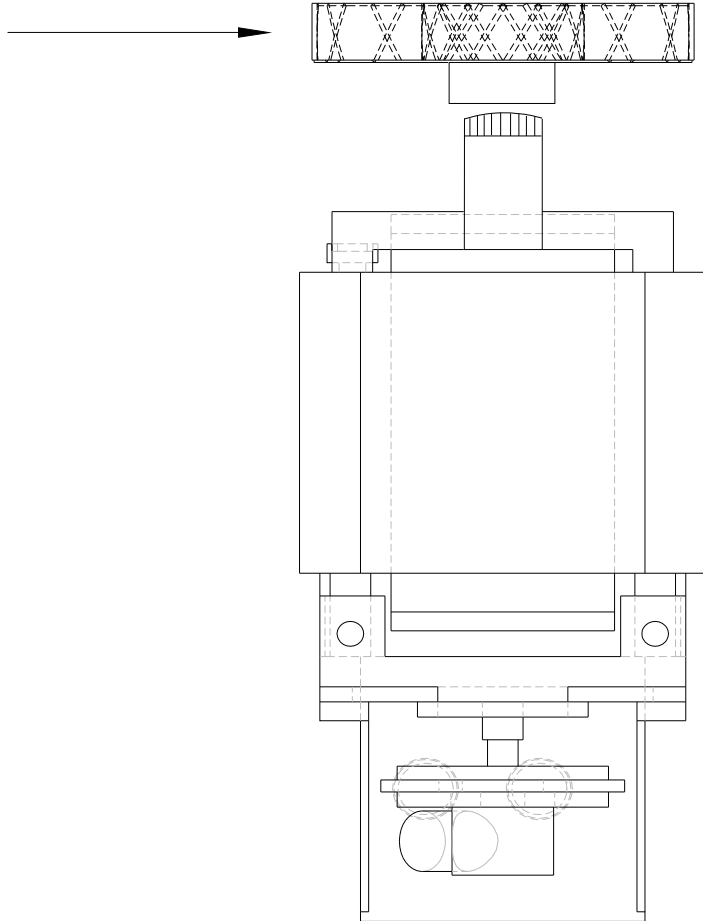


DIAGRAM 3

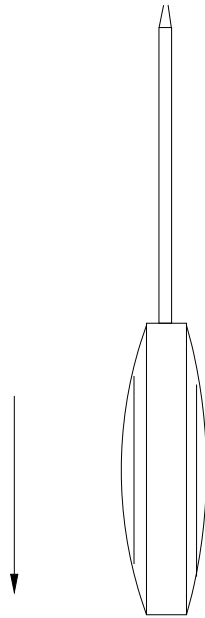
NEW FAN



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DIAGRAM 4

USE HANDLE OF THE SCREW
DRIVER TAP THE FAN ONTO
THE SHAFT



NEW FAN

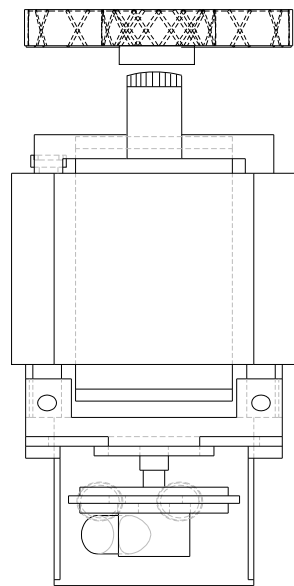


DIAGRAM 5

MUST BE FLUSH WITH SHAFT

MUST HAVE SOME ROOM BETWEEN FAN AND MOTOR

