

S E R V I C E N O T E

SUPERSEDES: 5DX-95-09
Dated March 21, 1995

HP 5DX Structural Process Test System

X-ray Tube Gas Pressure

Situation / Solution:

Dielectric gas leaks in the field.

Procedure for filling X-ray Tube pressure vessel with SF6 Gas

- 1) Install air regulator onto the SF6 canister.
- 2) Turn X-rays off on machine.
- 3) Open X-ray tower access panel to gain access to the X-ray Tube.
- 4) Locate the fill valve stem on top of the X-ray Tube pressure vessel. Note: The fill valve looks like the valve stem of automobile tire.

Continued

DATE: September 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

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ENTITY:

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ADDITIONAL INFORMATION:

- 5) Open the valve on the SF₆ canister. The gauge closest to the canister should indicate approximately 300 psi. If no pressure is indicated, open the large valve on the pressure gauge.
- 6) Place the hose connection on the valve stem of the X-ray Tube pressure vessel. Monitor the pressure gauge on the pressure vessel to insure the pressure is increasing. If the pressure does not increase, open the small valve on the pressure regulator.
- 7) After the X-ray Tube pressure gauge reaches 65 psi, remove the hose connection and turn the canister valve to its closed position.