

TECHNICAL NOTE FOR REPLACING 352MHz RF CAVITY TUNING COMPONENTS

1. Turn of the rf drive to the rf station that is supplying rf power to the cavity where tuner components are to be replaced.
2. Remove the ac power from the Berger-Lahr Motor Control modules (see Figure 1 and 2).



Figure 1



Figure 2

Note: If this activity requires working on or near the tuning motors themselves in the accelerator tunnel, the ac power to the Berger-Lahr motor control modules must be locked-out using LOTO cups over the line cord plug for the appropriate module before coming into contact with the tuner motor or it's mechanical drive components (see Figure 3).



Figure 3

3. Remove ac power from the Tuner Control Chassis (see Figure 2).
4. Remove the desired system component and replace it with an identical unit from the spare parts inventory.
5. Restore ac power to the Tuner Control Chassis.
6. Restore ac power to the Berger-Lahr motor control modules.

Note: Steps 5 and 6 must be carried out in the order shown to prevent the tuners from running to their mechanical limits!

7. Restore the rf system to normal power levels and check the tuning systems for proper operation.

Note: If replacing a tuner system component is part of a system troubleshooting operation and it does not remedy the specific tuner performance problem, re-install the original tuner component before continuing to troubleshoot the original problem. Failure to do so may result in the introduction of multiple tuner and rf-system operational difficulties that could mask or compound the original problem.