



DSA327 Re-collaring Plan ¹

Masayoshi Wake
May 29, 1991

The magnet DSA327 is meant to be a test winding for the collaring experiment. As the second part of the experiment, we would like to disassemble and reassemble it again keeping the same conditions. The purpose of this is to find the reproducibility of the collaring pressure. Since the collaring pressure is affected by many factors such as coil sizes, friction between coils, friction between coils and collar, reproducibility of the collaring pressure might be very poor. Finding the effect of creaping of the coil associated with the collaring procedure is another purpose of the experiment. Following is the procedure of disassembly and re-assembly.

- Pry out the key without pressing the collar
- Remove PRESCALE sheets. Mark the position and the direction of the PRESCALE.
- Take four coils apart. If there is anything unusual in the position or the status of insulators, report to M.Wake or J.Strait.
- Proceed the size measurement of four coils.
- Remeasure diameter of one collar pack pair. Wheather we should use the same collar or a new collar will be decided based on the measurement data. Assemble the coils using the same collar and new kaptons and brass shoes. Use the PRESCALE at the same position.
- Press and key it following the previous instruction (TS-SSC-91-101, J.Strait). Try to do it in the same way to the detail as it was done in the first keying.

¹Distribution: R.Bossert, J.Carson, S.Delchamps, I.Gonczy, S.Gourlay, W.Koska, M.Kuchnir, M.Lamm, G.Pewitt, J.Strait