DCA318, 317, 319 Heater Strip Plan

TS-SSC 91-219
November 12, 1991
S. W. Delchamps

DCA318: The failure of the quadrant 4 heater strip of DCA318 during collar-keying led to the disassembly of this collared coil. The quadrant 1, 2, and 3 heater strips were replaced with new SSC design 3 heater strips. These strips were manufactured for Brookhaven DCA magnets, so that about 2 1/2" of kapton insulation had to be removed from one end to conform to the Fermilab magnet length. The heater strip intended for quadrant 4 was accidentally cut during the removal of the extra kapton.

The plan for DCA318 is as follows: Install in quadrant 4 one of the heater strips from DCA318 which did not fail (the one that failed was taken by Craig Arden), after visual inspection, cleaning, and "wand" highpot tests have been done.

DCA317: By the time heater strips are needed for DCA317, the set of BNL length heaters currently being shipped from SSCL should be on hand. These four heaters will proceed through normal Fermilab Material Control channels, and will then be modified and used on DCA317.

DCA319: A kit of Fermilab length SSC design 3 heater strips is already in stock for this magnet. These should be used on DCA319.

Distribution:

J. Carson
S. Gourlay
B. Jensen
G. Kobliska
W. Koska
M. Packer
G. Pewitt
D. Smith
J. Strait
D. Tinsley
M. Wake
K. Wamsley