

Memo to: Dan Smith, Mike Winters

From: Wayne Koska

Subject: Position of Collar Gage Packs for DCA321

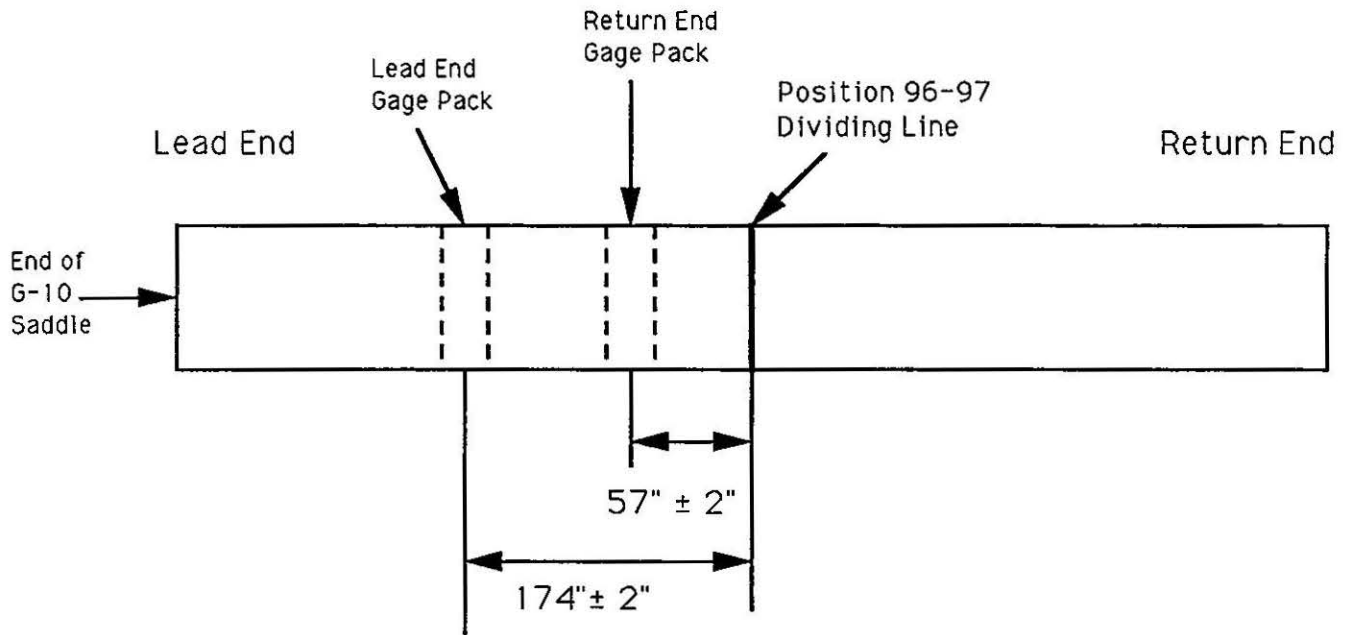
The Collar Gage Packs for DCA321 should be centered -174 ± 2 and -57 ± 2 inches from the dividing line of positions 96 and 97 (see figure 1).

These two positions correspond to a minimum and maximum of the summed azimuthal size of the two inner coils. The minimum azimuthal size of (17.7, 17.2 mils) is at positions 38 and 39. The azimuthal size of (30.6, 2.7 mils) at positions 77 and 78 is the second largest maximum. The difference between the size at this position and the actual maximum of 31.0 mils at position 98 is inconsequential and I have decided to position the gauge pack here to be consistent with the positioning in previous magnets (see figure 2).

These data have been taken with the semi-automatic coil sizing apparatus.

cc Bob Jensen

Wayne Koska
3-23-92



Specification for Gage Pack Locations in
DCA321

Figure 1

DCA321 Summed Azim Size

Summed Azimuthal Measurements vs. Longitudinal Position for DCA321

