

BULLETIN NO: 291

SUBJECT: Metal impregnated AT 434A ADF Antenna gasket.

Proper operation of the DFS 43A Series III ADF System requires a good bond between the ADF antenna and the airframe. Three (3) milliohms is the maximum resistance the system will tolerate between the antenna and the ground plane (airframe). This ground has historically been established through the top of the antenna aperture via the screw head and out the threads to the nutplate where it is connected by the nutplate rivets to the airframe. Each of these mating surfaces presents an opportunity for interruption of the ground path. Loose connections or the build up of corrosion are two (2) things that can cause the interruption.

A metallic gasket has been developed to ground the base of the antenna directly to the airframe. BENDIX/KING has four (4) different thicknesses available to fit a variety of fuselage curvatures. See the table below for the appropriate part number.

<u>METAL IMPREGNATED ANTENNA GASKETS</u>	<u>THICKNESS</u>
187-1717-00	.125
187-1717-01	.187
187-1717-02	.250
187-1717-03	.094

In addition to the ADF antenna cutout, various size sheets of this gasket material may be ordered from Chomeris, Inc. for unforeseen applications. It is offered in two (2) size sheets, 9" X 18" or 9" X 36" with various thicknesses. For further information or to order, contact Chomeris, Inc. at:

Chomeris, Inc.
23839 South Banning Blvd.
Carson, CA 90745
(800) 221-2879

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