

January 15, 1990

Subject: Service Letter # 20 Inspection of Fuselage Lateral
Support Beam

Dear Sir:

We have had 1 case of cracks developing around the drag wire holes in the Fuselage Lateral Support Beam, Ref: S/L # 20 enclosed. These cracks were on the inb'd side of the holes, and are the result of concentrated shear stress at the sharp edge of the hole/spar cap interface, due to the discontinuity in load distribution across the spar cap at the sides of the hole. The sharp corner (or interface) has been relieved,(see S/L # 20) which should preclude further cracks

Please let me know when compliance with Service Letter # 20 is complete, and also what was found, cracks or no cracks, corrosion in and around hole, or anywhere on beam, axles, etc.

Sincerely,

Larry Fox
Engineering