

SPANWISE BEAM #1 - WING CENTER TANK

CW-907	CW-908
Z-2679	GREEN
GREEN	Z-2662

This section is from the left SOB rib to LBL 107 and is 40" tall. It starts 10" above the lower chord and extends to the mating fracture with CW-904. The stiffener common to SOB rib remains intact.

Three fasteners common to SOB rib web and the outboard stiffener on the forward side remain. These 3 fasteners exhibit no bending and failed in tension. The aft lower six fasteners common to the stiffener and LSOB rib are sheared forward and down and remain in outboard stiffener. Eight of the nine forward fastener holes are elongated forward and down. The lower eight inches of stiffener flange is bent aft approximately ten degrees and twisted counter-clockwise when viewed looking down. The upper fastener holes in the outboard stiffener are elongated upward. The remainder of the fastener holes do not exhibit obvious elongation. The stiffener at LBL 112 suffered severe impact damage and most of the stiffener web and free flange is separated. CW-908 is designated as this stiffener free flange with portion of stiffener stabilization strap. All the horizontal stiffeners (qty of 5) at the aft side except for the lowest stiffener are intact. The lowest stiffener has part of the inbd end bent down. The lower section of the web is bent fwd slightly.

Some sooting is exhibited on the forward and aft sides. See fire and explosion group notes for documentation.

J. J. [unclear] 12-6-96 TWA
SD GREEN 12-7-96 ALPA
C. J. Hale 12-8-96 IAM
Stephen F. Klappach 12-8-96 FMA
AA Renner 12/12/96 BOEING

SPANWISE BEAM #1

CW #907 (9-19-96-1)
Z-2662
GREENFIELD

LBL 108

MOST FASTENERS
GONE AT CHORD-
TO-SOB RIB
INTERFACE -

DART RESIDUE,
DOES NOT RUB
OFF EASILY.
COVERS BOTH SIDES
OF ALUM WEB, BUT
NOT PRIMED STIFFENERS.

Z-STIFFENER
WEB AND FLANGE
DEFLECTED 0.20
OVER LENGTH
(1 LOCATION)

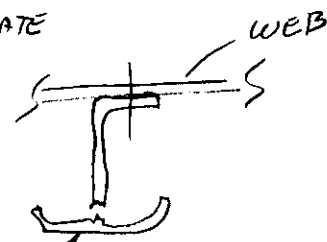
CORNER DEFLECTED
FORWARD

INBOARD

STIFFENER WEB
TORN AT BASE.

(OPPOSITE SIDE)

Vertical Stiffener on LBL 108
MOSTLY GONE - ATTACHMENT FLANGE
AND SOME WEB REMAIN. SEPARATE
CAP PIECE FOUND.



CW-908
Z-2679

L. Thomson
9-20-96

