

DOCKET NO. **SA-516**

EXHIBIT NO. **17D**

**NATIONAL TRANSPORTATION SAFETY BOARD  
WASHINGTON, D.C**

**LOG OF SLIDES FOR THE  
RECONSTRUCTION OF TWA 800**

## **EXHIBIT 17D**

### **Log of Slides for the Reconstruction of TWA 800**

- 1) Arrival of the second truck of steel at the start of the project on February 3, 1997.
- 2) The truss assembled to support the piece of the plane on February 6.
- 3) Close-up of the truss assembled, looking towards the front.
- 4) Installation of the first pieces, the top of the center wing fuel tank, on February 10 using coil rods, plates and nuts to control height.
- 5) Continued installation of top of the center wing fuel tank and the attached mid spar on February 11.
- 6) Looking at a portion of the mid spar after assembly on the truss.
- 7) Crew working off scaffolding to assemble pieces.
- 8) Assembly of span wise beam 3 on mesh, prior to installation on the truss.
- 9) Moving span wise beam 3 into place using a fork lift on February 13.
- 10) Raising span wise beam 3 into place on coil rods
- 11) Span wise beam 3 in place on the truss.
- 12) Lifting RF 17, the first piece with fuselage skin into place by using the crane on February 13.
- 13) RF 17 in place on the truss.
- 14) View from the left side looking at the center wing tank being assembled.
- 15) Spanwise beam 1 lifted into place on the truss as viewed from behind, looking forward on February 14.
- 16) The left hand side of the front of Spanwise beam 1 as viewed from the side, looking at CW 902 and 907.
- 17) The right hand side of the front of Spanwise beam 1 as viewed from the side, looking at CW 910, 912 and 907. Includes part of the rear spar (1001).
- 18) Installation of LF38 on February 15.
- 19) Evaluating RF114A at various locations prior to fastening it to the structure on February 16.
- 20) RF114A attached to RF14 after evaluation.
- 21) The top of the center wing fuel tank, including CW 125, 102, and 101.
- 22) Looking at the right interior, including RF37, RF14, RF114A and RF17.
- 23) The right side of the fuselage including RF23 and parts of the top on February 17.

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- 24) Installation of roof parts as shown from the right side, including RF41 and RF 34.
- 25) View of the front spar looking rearward after mounting on the truss on February 17.
- 26) Placing RF38, a large piece with the titanium right side landing gear beam attached on February 18.
- 27) Installation of two of the 4 pieces of LF 38 on February 19.
- 28) Right hand side of interior fuselage looking rearward.
- 29) Right hand side of the interior looking forward at RF114C and RF23.
- 30) Painting of holes with orange paint in the interior.
- 31) Top of the center wing fuel tank, looking at CW101 and CW114.
- 32) Top of the center wing fuel tank, looking at CW130, 112, 140, and 148.
- 33) Top of the center wing fuel tank, looking at CW130, 112, 140, 148 and the mesh that was placed to attach smaller pieces.
- 34) Smaller pieces of the center wing fuel tank including CW166.
- 35) Top of the center wing fuel tank, looking at CW130, 112,122, 141 and 131.
- 36) Installation of the remaining portion of LF 38 on February 20.
- 37) Area of the landing gears, showing pressure deck and the LF40, 0 body line on February 25, looking from left to right.
- 38) Area of the landing gears, showing pressure deck and the LF40, 0 body line on February 25, looking from right to left.
- 39) Looking at the mid spar including CW801, 815, and 802 from the right to the left side.
- 40) Looking at the mid spar including CW802, 810, and 816 from the left to the right side.
- 41) Looking at the center of the mid spar including CW801.
- 42) Looking at CW1106 and CW829.
- 43) Looking at CW 1106, 1108 and CW1101.
- 44) Looking at CW1103.
- 45) Looking at the pressure deck and LF40 from the right to the left.
- 46) Looking at RF 38, the 1350 bulkhead.
- 47) Lifting LF69 into place on top of the plane from the left side on February 25.
- 48) Lifting LF69 into place on top of the plane from the right side.
- 49) LF39A attached to the truss on February 25.
- 50) LF2 attached to the truss on February 26.
- 51) Lifting LF29 into place.

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- 52) Working on the 1450 bulkhead on February 26 after installation of RF119.
- 53) Installing ribs for mesh for the rear cargo area on February 26.
- 54) Interior of plane including LF69 and RF42.
- 55) Left side of the center wing fuel tank with bottom floor and portions of the keel beam.
- 56) Right side of the center wing fuel tank with bottom floor and portions of the keel beam on March 2.
- 57) The 1450 bulkhead looking forward.
- 58) LF12B and LF5 installed on the truss on March 3.
- 59) Installation of the bottom of the front cargo bay (LF6A) on March 4 as viewed from the left side.
- 60) Framework for the front cargo bay, looking rearward
- 61) The front cargo bay from the right side.
- 62) View of RW2 and the front spar and the front of the keel beam.
- 63) The placement of the keel beam and orange protective caps on the coil rods on March 5.
- 64) Building of the front cargo bay area.
- 65) Installing the red zone on the right side.
- 66) Picture of left side with LF 12B, 98 and 24 A and B in place on March 6.

### **Pictures taken March 6**

- 67) Right side from a forward position
- 68) Right side
- 69) Right side from a rearward position
- 70) Close-up of the fuel tank and the red area on the right side
- 71) The rear of the right side
- 72) The left side from the rear
- 73) The left front of the reconstruction in the red and green area
- 74) Internal view looking rearward
- 75) The roof of the plane from inside
- 76) Internal view of the right side looking rearward.

### **Slides**

- 77) Close-up of the left red zone with LF 12B in place.
- 78) The hanging of the red zone on the right side, including RF5 (hung March 6) and RF7 being lifted into place on March 7.
- 79) The right fuselage in the rear cargo area including RF53C, RF31 and others.
- 80) The left fuselage in the rear cargo area including LF45A.

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- 81) The front cargo bay at station 860.
- 82) The front cargo bay area.
- 83) Hanging of yellow pieces starting with RF6A.
- 84) Hanging of RF4 in the yellow area in two pieces on March 12.
- 85) LF4 placed on the front left side and the rest of the left side on March 13.
- 86) The left front of the reconstruction at LF4.
- 87) Full view of the left side of the reconstruction.
- 88) The right front of the reconstruction.
- 89) Picture of the lower cargo bay area in the red zone, including LF5, prior to building of the crib and lowering it to match the bottom of the keel beam.
- 90) The left rear cargo area including LF45A
- 91) The rear of the cargo area including RF52E.
- 92) Interior of the plane looking forward
- 93) The front cargo bay prior to lowering
- 94) Placement of LF23, LF1, and LF7B in the yellow zone on March 15.
- 95) The front cargo bay area in the red zone.
- 96) The front of the cargo bay at station 800 including LF163 and LF6B on March 18.
- 97) Cargo area looking down from the passenger level on March 18.

### **Pictures (taken March 21)**

- 98) The right side of the plane
- 99) The left side of the plane
- 100) The left side of the red zone crib after it was dropped to match the keel beam from a forward position.
- 101) The right side of the red zone crib after it was dropped to match the keel beam from a side position.
- 102) The right side of the red zone crib after it was dropped to match the keel beam from a forward position
- 103) The front cargo bay area looking rearward
- 104) The front cargo bay area looking rearward in the red zone
- 105) The front spar looking rearward.

### **Slides**

- 106) The right side of body rib on April 15
- 107) Right front of the plane
- 108) Area of the fuel tank on the right side
- 109) The fuel tank and the left landing gear beam
- 110) The rear portion of the left side of the plane

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- 111) The front portion of the right side of the plane
- 112) The right rear side of the plane
- 113) The right side of the plane
- 114) The right side of the plane
- 115) The right side of the plane
- 116) Assembling one of the air packs.
- 117) View of the front of the plane and portions of the right side of body rib.
- 118) View of the front of the plane
- 119) Left front of the plane
- 120) Left side of the plane.
- 121) Left side of plane from behind
- 122) Air pack with the ACM being checked for clearances on the left side
- 123) Adding the bottom of the left wing to the center fuel tank.
- 124) The bottom of the left wing and the air packs in place on April 19.
- 125) Pack 2 in place.
- 126) Pack 1 in place
- 127) Front view of pack 1
- 128) Pack 3 in place under the center fuel tank
- 129) Close-up of pack 3.
- 130) Front view of pack 3.
- 131) Right side of plane.
- 132) Right side of the plane.
- 133) Right side of the plane.

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R120 - Left side of the plane



R133 - Right side of the plane