

Richard S. Breuhaus
Chief Engineer
Air Safety Investigation
Commercial Airplanes

The Boeing Company
P.O. Box 3707 MC 67-TC
Seattle, WA 98124-2207

June 14, 2002
B-H200-17459-ASI

Mr. Frank Hilldrup
Major Investigations Division (AS-10)
Office of Aviation Safety
National Transportation Safety Board
490 L'Enfant Plaza, SW
Washington, DC 20594-0003



Subject: Hilldrup Letter to Steelhammer Dated May
22, 2002

Reference: Emery Worldwide Airlines, Inc. DC-8
N8079U Accident, Rancho Cordova,
California, February 16, 2000

Dear Mr. Hilldrup:

Enclosed is Boeing's response to the questions contained in your May 22, 2002 letter.

If you have any questions, please do not hesitate to call Mr. Bill Steelhammer, [REDACTED]

Very truly yours,

A handwritten signature in black ink, appearing to read "R. Breuhaus", written over a thick black horizontal redaction bar.

Richard S. Breuhaus
Chief Engineer, Air Safety Investigation
Org. B-H200, MC 67-PR
Telex 32-9430, STA DIR AS
[REDACTED]

Encl:

- Boeing Response to Hilldrup Letter dated May 22, 2002

Attachments:

1. Emery Work Card (NTSB Exhibit 11D)
2. Boeing MRP Work Card 0607
3. Boeing MRP Work Card 0608

BOEING RESPONSE TO HILLDRUP LETTER DATED MAY 22, 2002

Quoting from the Hilldrup letter:

“During the Emery public hearing conducted on May 9-10, 2002, several questions were asked of Emery witnesses about work card B009 from Emery’s B-2 check inspection package. I believe this work card was included as Exhibit 11I in the public hearing.”

“Safety Board officials were attempting to obtain Emery’s interpretation of the inspections stated in the work card, but were only marginally successful. Specifically, the interpretation of whether *all* hinges of the elevator control tab are visually inspected for “security of attachment”, including the inboard-most one that is covered by a fairing.”

“Likewise, the Safety Board would also like to know Boeing’s interpretation of this same question. In addition, please provide whatever Boeing may have regarding the original Douglas ‘source documentation’ that may have been used to establish the inspections. If you have any questions, please contact me at (202) 314-6346.”

Boeing Response:

The Manufacturer’s Recommended Program (MRP) work cards published by the Douglas Aircraft Company and as specified by the On Aircraft Maintenance Planning (OAMP) document do not call for removal of the inboard control tab fairing during the B check. The inboard control tab fairing is not removed until the D and E checks (for Emery’s program that would equate to 3,630 and 25,000 flight hours, respectively).

Further, the published MRP lubrication work cards (at 1,200 flight hour intervals) do not call for removal of the fairing.

Therefore, the Emery B-2 inspection work card B009 (Attachment 1) would be consistent with an MRP B check external inspection (Attachments 2 and 3), that is, an inspection to be accomplished without removing access or inspection panels, fairings, or the like.

Attachments 2 and 3 appear to be the MRP “source documentation” for the B009 work card.



EMERY WORLDWIDE AIRLINES DC-8	REV. DATE 08/30/98	REV. NO. Original	PAGE NO. 1 OF 1	INSPEC. CK B-2	CARD N B009
			ACFT. NO.	STATION	DATE
INSTRUCTIONS				SIGN-OFF MECHANIC ONLY	

RH AND LH HORIZONTAL STABILIZER EXTERNAL SURFACE INSPECTION

1. Inspect external surface of RH and LH horizontal stabilizers for signs of damage, deformation, fluid leakage, and security of attachment. Inspect static dischargers for general condition and security.

1.

RH AND LH ELEVATOR AND TAB INSPECTION

1. Visually inspect elevators and tabs for general condition, corrosion, leakage, and security of attachment. Inspect static dischargers for general condition and security.

1.

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DOUGLAS AIRCRAFT COMPANY DC-8		ISSUE DATE Feb. 1987	ISSUE NO. 1	PAGE NO. 1 of 1	INSP CHK B	CARD NO. 0607	
		ATA CHAP 53	AREA ZONE 3	MAN HRS 0.500	INSP DATE	A/C NO.	
ON A/C MAINT. PL. INDEX NO.	INSTRUCTIONS					SIGNOFF ----- MECH INSP	
300LB001 376L5503 383L5501	LH HORIZONTAL STABILIZER EXTERNAL SURFACE INSPECTION 1. Inspect LH horizontal stabilizer external upper and lower surface. a. Perform LH horizontal stabilizer external surface inspection as follows. 1) Inspect external surface of LH horizontal stabilizer for signs of damage, deformation, fluid leakage of any kind, missing static dischargers, general condition and security.						

*** THESE DATA SUBJECT TO RESTRICTIVE LEGEND(S) ON TITLE PAGE OR FIRST PAGE. ***

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		Feb. 1987	1	1 of 1	B	0608	
		ATA CHAP	AREA ZONE	MAN HRS	INSP DATE	A/C NO.	
		53	3	0.500			
ON A/C MAINT. PL. INDEX NO.	INSTRUCTIONS					SIGNOFF ----- MECH INSP	
300RB001 376R5503 383R5501	RH HORIZONTAL STABILIZER EXTERNAL SURFACE INSPECTION 1. Inspect RH horizontal stabilizer external upper and lower surface. a. Perform RH horizontal stabilizer external surface inspection as follows. 1) Inspect external surface of RH horizontal stabilizer for signs of damage, deformation, fluid leakage of any kind, missing static dischargers, general condition and security.						

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