
Ground collision between Boeing 737-832 and McDonnell Douglas MD-81, Boston, February 3, 2001

Micro-summary: This waiting Boeing 737-832 was struck by a taxiing MD-81 on pushback.

Event Date: 2001-02-03 at 1225 EST


Investigative Body: National Transportation Safety Board (NTSB), USA


Investigative Body's Web Site: <http://www.nts.gov/>


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		NTSB ID: NYC01LA075A		Aircraft Registration Number: N3735D	
		Occurrence Date: 02/03/2001		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Boston		State MA	Zip Code 02128	Local Time 1225	Time Zone EST
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Boeing		Model/Series B-737-832		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On February 3, 2001, about 1225 eastern standard time, a Boeing 737-832, N3735D, operated by Delta Airlines Inc., as flight 2276, was substantially damaged when it was struck by another airplane, while standing at the General Edward Lawrence Logan International Airport, Boston, Massachusetts. The other airplane, a McDonnell Douglas MD-81, N802US, operated by US Airways as flight 1215, sustained minor damage. None of the 6 crewmembers and 25 passengers aboard the Boeing were injured, nor were any of the 6 crewmembers and 98 passengers onboard the McDonnell Douglas. Visual meteorological conditions prevailed at the time of the accident. The Boeing had arrived on an instrument rules flight plan from the La Guardia Airport, Flushing, New York, and the McDonnell Douglas had an instrument rules flight plan on file to Pittsburgh International Airport, Pittsburgh, Pennsylvania. The scheduled passenger flights were conducted under 14 CFR Part 121.</p> <p>According to the captain of the Boeing, he was taxiing the airplane to Shuttle Gate 4, and had turned the airplane towards the gate to line up with the jetway. The captain then stopped the airplane on the yellow lead-in taxi line about 150 feet short of the jetway to await wing-walkers. A wing-walker soon arrived and instructed the flightcrew to remain stationary. As the airplane remained stopped, the flightcrew felt a shudder and vibration throughout the airplane. After being advised that his airplane had been struck by another airplane, the captain taxied to the jetway uneventfully and parked.</p> <p>A flight attendant who witnessed the accident from Shuttle Gate 5, stated she observed the Boeing being stopped by a marshalling agent as it approached Gate 4, to await wing walkers. The flight attendant then looked out the window and observed a US Airways MD-81 being pushed back. A wing-walker, who was located off the right side of the MD-81, began to run towards the tug pushing back the airplane, signaling an emergency stop. The tug operator did not appear to respond and the MD-81's tail struck the Boeing.</p> <p>The tug operator for the MD-81 stated that he began to start the pushback once he observed the Boeing pass by. During the pushback the tug operator was "watching the nosewheel and tow bar," and was distracted by other vehicle movements. The tug operator also lost sight of the Boeing at that time.</p> <p>Damage reported by the operators included vertical stabilizer and rudder damage to the Boeing 737, and right horizontal stabilizer damage to the MD-81.</p>					
FACTUAL REPORT - AVIATION					
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 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: NYC01LA075A				
		Occurrence Date: 02/03/2001				
		Occurrence Type: Accident				
Landing Facility/Approach Information						
Airport Name Logan International Airport		Airport ID: BOS	Airport Elevation 20 Ft. MSL	Runway Used	Runway Length	Runway Width
Runway Surface Type: Unknown						
Runway Surface Condition: Unknown						
Type Instrument Approach: Unknown						
VFR Approach/Landing: Unknown						
Aircraft Information						
Aircraft Manufacturer Boeing		Model/Series B-737-832		Serial Number 30381		
Airworthiness Certificate(s): Transport						
Landing Gear Type: Retractable - Tricycle						
Homebuilt Aircraft? No		Number of Seats: 162	Certified Max Gross Wt. 173000 LBS		Number of Engines: 2	
Engine Type: Turbo Fan		Engine Manufacturer: CFM International		Model/Series: CFM56-7B	Rated Power: 24000 LBS	
- Aircraft Inspection Information						
Type of Last Inspection Continuous Airworthiness		Date of Last Inspection 01/2001	Time Since Last Inspection Hours		Airframe Total Time 276 Hours	
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? No		ELT Operated?		ELT Aided in Locating Accident Site?		
Owner/Operator Information						
Registered Aircraft Owner DELTA AIR LINES INC		Street Address Hartsfield Atlanta Airport				
		City Atlanta		State GA	Zip Code 30320	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City		State	Zip Code	
Operator Does Business As: Delta Airlines				Operator Designator Code: DALA		
- Type of U.S. Certificate(s) Held:						
Air Carrier Operating Certificate(s): Flag Carrier/Domestic						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 121: Air Carrier						
Type of Flight Operation Conducted: Scheduled; Domestic; Passenger Only						

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: NYC01LA075A
	Occurrence Date: 02/03/2001
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth	Age 50
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Sex: M	Seat Occupied: Left	Principal Profession: Civilian Pilot	Certificate Number: On File
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Certificate(s): Airline Transport

Airplane Rating(s): Multi-engine Land; Single-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): None

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review? 01/2001
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 01/2001
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	7443	110								
Pilot In Command(PIC)										
Instructor										
Last 90 Days	28	28								
Last 30 Days										
Last 24 Hours	11	11								

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? Yes
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Flight Plan/Itinerary

Type of Flight Plan Filed: IFR

Departure Point Washington	State DC	Airport Identifier DCA	Departure Time 1100	Time Zone
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Destination Same as Accident/Incident Location	State	Airport Identifier BOS	
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Type of Clearance: None

Type of Airspace: Class B

Weather Information

Source of Briefing: Unknown

Method of Briefing: Unknown

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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
BOS	1354	EST	20 Ft. MSL	NM	Deg. Mag.
Sky/Lowest Cloud Condition: Clear			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		Ft. AGL	Visibility: 10	SM	Altimeter: 30.04 "Hg
Temperature: 1 °C	Dew Point: -10 °C	Wind Direction: 300		Density Altitude: Ft.	
Wind Speed: 14	Gusts: 19	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV)	SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information		
Aircraft Damage: Substantial	Aircraft Fire:	Aircraft Explosion

Classification:					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot				1	1
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants				4	4
Other Crew					
Passengers				25	25
- TOTAL ABOARD -				31	31
Other Ground					
- GRAND TOTAL -				31	31

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: NYC01LA075A

Occurrence Date: 02/03/2001

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Stephen M. Demko

Additional Persons Participating in This Accident/Incident Investigation:

John A Donahue
FAA inspector
FAA
Bedford, MA