



# Aviation Investigation Final Report

<b>Location:</b>	EAST BOSTON, Massachusetts	<b>Accident Number:</b>	NYC91LA247
<b>Date &amp; Time:</b>	September 28, 1991, 17:50 Local	<b>Registration:</b>	N819NY
<b>Aircraft:</b>	MCDONNELL DOUGLAS MD-82	<b>Aircraft Damage:</b>	Minor
<b>Defining Event:</b>		<b>Injuries:</b>	2 Serious, 126 None
<b>Flight Conducted Under:</b>	Part 121: Air carrier - Scheduled		

## Analysis

THE AIRPLANE WAS TAXIING FOR TAKEOFF, WHEN THE COCKPIT FILLED WITH SMOKE. THE CAPTAIN STOPPED THE AIRPLANE ON A TAXIWAY AND ORDERED AN EMERGENCY EVACUATION. AN EXAMINATION REVEALED A FUSE HOLDER FOR A COCKPIT INSTRUMENT HAD MALFUNCTIONED AND CAUSED THE FIRE/SMOKE.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE MALFUNCTION OF AN ELECTRICAL COMPONENT IN THE COCKPIT, WHICH RESULTED IN SMOKE AND THE SUBSEQUENT EMERGENCY EVACUATION OF THE PASSENGERS FROM THE AIRPLANE.

## Findings

Occurrence #1: FIRE  
Phase of Operation: TAXI - TO TAKEOFF

- Findings
1. (C) ELECTRICAL SYSTEM, FUSE - SHORTED
  2. EVACUATION - INTENTIONAL - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport	<b>Age:</b>	41, Male
<b>Airplane Rating(s):</b>	Multi-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	July 15, 1991
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	9200 hours (Total, all aircraft), 500 hours (Total, this make and model), 6000 hours (Pilot In Command, all aircraft), 150 hours (Last 90 days, all aircraft), 55 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	MCDONNELL DOUGLAS	<b>Registration:</b>	N819NY
<b>Model/Series:</b>	MD-82 MD-82	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	49479
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	152
<b>Date/Type of Last Inspection:</b>	January 2, 2000 Unknown	<b>Certified Max Gross Wt.:</b>	149500 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Turbo fan
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	P&W
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	JT8D217A
<b>Registered Owner:</b>	CONTINENTAL AIRLINES INC.	<b>Rated Power:</b>	20000 Lbs thrust
<b>Operator:</b>	CONTINENTAL AIRLINES INC.	<b>Operating Certificate(s) Held:</b>	Flag carrier (121)
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	CALA

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>		<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	17:35 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	LOGAN INT'L AIRPORT BOS	<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	5 None	<b>Aircraft Damage:</b>	Minor
<b>Passenger Injuries:</b>	2 Serious, 121 None	<b>Aircraft Fire:</b>	On-ground
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 Serious, 126 None	<b>Latitude, Longitude:</b>	

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Leonard, Charles
<b>Additional Participating Persons:</b>	ASI MERRILL CROSS; EAST BOSTON , MA
<b>Original Publish Date:</b>	September 28, 1992
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=37020">https://data.nts.gov/Docket?ProjectID=37020</a>

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