



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	FORT LAUDERDALE, FL	<b>Accident Number:</b>	MIA95LA016
<b>Date &amp; Time:</b>	11/01/1994, 1310 EST	<b>Registration:</b>	N5715C
<b>Aircraft:</b>	CESSNA 402C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None

**Flight Conducted Under:** Part 135: Air Taxi & Commuter - Scheduled

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On November 1, 1994, about 1310 eastern standard time, a Cessna 402C, N5715C, registered to Airways International Inc., operating as a 14 CFR Part 135 scheduled domestic passenger flight, experienced a collapse of the left main landing gear on landing rollout at the Fort Lauderdale-Hollywood International Airport, and collided with the runway lighting system. The airplane sustained substantial damage. The airline transport-rated pilot and two passengers reported no injuries. Visual meteorological conditions prevailed and an instrument flight plan was filed. The flight originated from Miami International Airport, 25 minutes before the accident.

Examination of the landing gear by the FAA and Airways International Inc, maintenance personnel revealed a failure of the left main landing gear trunnion. Review of airplane logbooks revealed no recorded history of hard landings, or previous landing gear damage.

Examination of pieces from the left main landing gear upper barrel and trunion assembly was performed by the NTSB materials laboratory. The examination revealed the fractures were representative of overstress separations. No evidence of fatigue or other type of preexisting cracking was found. (For additional information see NTSB Metallurgist's Factual Report No. 95-17).

Components retained for further testing were released to Mr. Jagdesh Remkhalawam, Aero Parts International, Miami, Florida, on December 13, 1994.

## Pilot Information

<b>Certificate:</b>	Airline Transport; Flight Instructor; Commercial	<b>Age:</b>	35, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	03/29/1994
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	5344 hours (Total, all aircraft), 2150 hours (Total, this make and model), 4968 hours (Pilot In Command, all aircraft), 200 hours (Last 90 days, all aircraft), 49 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N5715C
<b>Model/Series:</b>	402C 402C	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	402C0024
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	10
<b>Date/Type of Last Inspection:</b>	11/11/1994, Continuous Airworthiness	<b>Certified Max Gross Wt.:</b>	6850 lbs
<b>Time Since Last Inspection:</b>	2 Hours	<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	9831 Hours	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	TSIO-520-VB
<b>Registered Owner:</b>	AIRWAYS INTERNATIONAL	<b>Rated Power:</b>	325 hp
<b>Operator:</b>	AIRWAYS INTERNATIONAL	<b>Operating Certificate(s) Held:</b>	Commuter Air Carrier (135)
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	FAHA

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	FLL, 11 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1327 EST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 10000 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	2 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	32° C / 22° C
Precipitation and Obscuration:			
Departure Point:	MIAMI, FL (MIA)	Type of Flight Plan Filed:	IFR
Destination:	, FL (FLL)	Type of Clearance:	IFR
Departure Time:	1245 EST	Type of Airspace:	Class D; Class E

## Airport Information

Airport:	FORT LAUDERDALE INT (FLL)	Runway Surface Type:	Asphalt
Airport Elevation:	10 ft	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	5270 ft / 100 ft	VFR Approach/Landing:	Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	CARROL A SMITH
Additional Participating Persons:	EARNEST J DAVIS; FORT LAUDERDALE, FL
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .