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## Service cart injury, Airbus A320-211, November 28, 2002

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**Micro-summary: A flight attendant was injured by a service cart during the initial climb of this Airbus A320-211.**

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**Event Date: 2002-11-28 at 2125 CST**

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


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


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		NTSB ID: CHI03LA031		Aircraft Registration Number: N324US	
		Occurrence Date: 11/28/2002		Most Critical Injury: Serious	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Minneapolis		State MN	Zip Code 55401	Local Time 2125	Time Zone CST
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Airbus Industrie		Model/Series A320-211		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 November 28, 2002, at 2125 central standard time, a flight attendant was seriously injured when struck by a galley service cart during initial climb from the Minneapolis/St. Paul International Airport (MSP), Minneapolis, Minnesota. The Airbus Industrie A320-211, N324US, was operated by Northwest Airlines as flight 575 under the provisions of 14 CFR Part 121. The remaining flight crew and 38 passengers reported no injuries. The flight departed MSP at 2106 and was en route to Sacramento, California, at the time of the accident. The flight returned to MSP and landed without further incident.</p> <p>According to company personnel, the galley service cart was not secured properly prior to departure and became detached from the forward galley during climb out. The galley service cart traveled down the center aisle and struck a flight attendant in the aft galley, fracturing his ankle.</p> <p>No anomalies were found with the galley service cart or the galley in which it was stationed prior to takeoff. All restraint levers were intact and functioned as designed.</p>					
FACTUAL REPORT - AVIATION					
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 <b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b>		NTSB ID: CHI03LA031			
		Occurrence Date: 11/28/2002			
		Occurrence Type: Accident			
<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used	Runway Length	Runway Width
Runway Surface Type:					
Runway Surface Condition:					
Type Instrument Approach: ILS-complete					
VFR Approach/Landing: Straight-in					
<b>Aircraft Information</b>					
Aircraft Manufacturer Airbus Industrie		Model/Series A320-211		Serial Number 273	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 179	Certified Max Gross Wt.	166478 LBS	Number of Engines: 2	
Engine Type: Turbo Fan	Engine Manufacturer: CFM International	Model/Series: CFM56-5-A1	Rated Power: 25000 LBS		
- Aircraft Inspection Information					
Type of Last Inspection Continuous Airworthiness	Date of Last Inspection 02/2002	Time Since Last Inspection 2499 Hours	Airframe Total Time 35133 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? No	ELT Operated?	ELT Aided in Locating Accident Site? No			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner Northwest Airlines Inc.		Street Address 5101 Northwest Drive			
		City St. Paul	State MN	Zip Code 55111	
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:			Operator Designator Code: NWAA		
- 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><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: CHI03LA031
	Occurrence Date: 11/28/2002
	Occurrence Type: Accident

**First Pilot Information**

Name On File	City On File	State On File	Date of Birth	Age 53
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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

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): None

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review? 11/2002
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 07/2002
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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	10257	1942								
Pilot In Command(PIC)	6472	1942								
Instructor										
Last 90 Days	178	178								
Last 30 Days	87	87								
Last 24 Hours	0	0								

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 Same as Accident/Incident Location	State	Airport Identifier MSP	Departure Time 2106	Time Zone CST
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Destination Sacramento	State CA	Airport Identifier SMF	
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Type of Clearance: IFR

Type of Airspace: Class B

**Weather Information**

Source of Briefing: Company

Method of Briefing: Telephone

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: CHI03LA031
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	Occurrence Type: Accident

<b>Weather Information</b>					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
MSP	2155	CST	841 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Scattered			15000 Ft. AGL	Condition of Light: Night	
Lowest Ceiling: None		Ft. AGL	Visibility: 10	SM	Altimeter: 29.55 "Hg
Temperature: 7 °C	Dew Point: 0 °C	Wind Direction: 240		Density Altitude: 509 Ft.	
Wind Speed: 14	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV)	SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

<b>Accident Information</b>		
Aircraft Damage: None	Aircraft Fire: None	Aircraft Explosion: None

Classification: U.S. Registered/U.S. Soil					
- 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		1		2	3
Other Crew					
Passengers				38	38
- TOTAL ABOARD -		1		42	43
Other Ground					
- GRAND TOTAL -		1		42	43

National Transportation Safety Board

**FACTUAL REPORT**

**AVIATION**



NTSB ID: CHI03LA031

Occurrence Date: 11/28/2002

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Andrew T. Fox

Additional Persons Participating in This Accident/Incident Investigation:

Jay Livesey  
Inspector  
FAA - Minneapolis CMO  
2901 Metro Drive, Suite 500  
Bloomington, MN 55425