

 <b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b>		NTSB ID: LAX95LA202		Aircraft Registration Number: N5540K	
		Occurrence Date: 06/04/1995		Most Critical Injury: Minor	
		Occurrence Type: Accident		Investigated By: NTSB	
<b>Location/Time</b>					
Nearest City/Place MISSION VIEJO		State CA	Zip Code 92692	Local Time 1720	Time Zone PDT
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
<b>Aircraft Information Summary</b>					
Aircraft Manufacturer BELLANCA		Model/Series 8KCAB		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
<b>Narrative</b>					
Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:					
<p>On June 4, 1995, at 1720 hours Pacific daylight time, a Bellanca 8KCAB, N5540K, lost engine power, landed on a highway, and collided with an automobile. The airplane was being operated by Orange County Flight Center, Santa Ana, California, as an aerobatic instructional flight. The local flight originated from the John Wayne-Orange County Airport, Santa Ana, California, at 1615 hours. The airplane was substantially damaged. The certified flight instructor (CFI) and certificated commercial pilot student were not injured. The two occupants of the automobile sustained minor injuries. Visual meteorological conditions prevailed at the time of the local flight.</p> <p>According to the flight instructor, the airplane lost power while performing aerobatic maneuvers at 3,500 feet. The flight instructor initiated a forced landing on a paved road in Mission Viejo, California. During the landing ground roll, the airplane collided with an automobile driving on the road.</p> <p>After recovery from the accident site, the airplane was checked by an airframe and powerplant mechanic. According to the mechanic, no discrepancies were found with the airframe. Examination of the engine compartment revealed that the throttle linkage was disconnected from the carburetor throttle arm. The bolt was found in the throttle arm hole; however, the required castellated nut and a cotter pin were missing from the bolt. A Federal Aviation Administration Airworthiness Safety Inspector from the Long Beach Flight Standards District Office, Long Beach, California, examined the aircraft and reported the same findings as the mechanic.</p> <p>The aircraft maintenance records indicated that prior to May 16, 1995, the aircraft sustained a propeller strike and the engine was removed for disassembly and inspection. The engine was installed on May 22, 1995, following reassembly. The last annual inspection was performed on April 26, 1994.</p>					
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<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:					
Runway Surface Condition:					
Type Instrument Approach: NONE					
VFR Approach/Landing: Forced Landing					
<b>Aircraft Information</b>					
Aircraft Manufacturer BELLANCA		Model/Series 8KCAB		Serial Number 394-78	
Airworthiness Certificate(s): Acrobatic					
Landing Gear Type: Tailwheel					
Homebuilt Aircraft? No	Number of Seats: 2	Certified Max Gross Wt. 1800 LBS	Number of Engines: 1		
Engine Type: Reciprocating	Engine Manufacturer: LYCOMING	Model/Series: AE10-320-E1B	Rated Power: 150 HP		
- Aircraft Inspection Information					
Type of Last Inspection Continuous Airworthiness	Date of Last Inspection 05/1995	Time Since Last Inspection 7 Hours	Airframe Total Time 3296 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site? No			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner AMERICAN AIRPLANE EXCHANGE COR		Street Address 19711 CAMPUS DRIVE			
		City SANTA ANA	State CA	Zip Code 92707	
Operator of Aircraft ORANGE COUNTY FLIGHT CENTER		Street Address Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Instructional					
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**First Pilot Information**

Name On File	City On File	State On File	Date of Birth On File	Age 26
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Sex: M	Seat Occupied: Rear	Principal Profession: Civilian Pilot	Certificate Number: On File
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Certificate(s): Flight Instructor; Commercial

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

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine; Airplane Single-engine; Instrument Airplane

Type Rating/Endorsement for Accident/Incident Aircraft? No	Current Biennial Flight Review?
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Medical Cert.: Class 2	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 09/1994
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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	1383	27	1189	143	142	30	61	1		
Pilot In Command(PIC)	1237	27	1114	120	136	30	61			
Instructor	876	7	801	74	100					
Last 90 Days	314	26	279	35	26	9				
Last 30 Days	90	11	70	20	5	4		1		
Last 24 Hours	6	4	4	2						

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: None

Departure Point SANTA ANA	State CA	Airport Identifier SNA	Departure Time 1615	Time Zone PDT
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Destination Local Flight	State	Airport Identifier	
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Type of Clearance: None

Type of Airspace: Class G

**Weather Information**

Source of Briefing: Flight Service Station

Method of Briefing:

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**Weather Information**

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
SNA	2345	PDT	54 Ft. MSL	14 NM	270 Deg. Mag.

Sky/Lowest Cloud Condition: Clear 0 Ft. AGL Condition of Light: Day

Lowest Ceiling: None 0 Ft. AGL Visibility: 4 SM Altimeter: 29.00 "Hg

Temperature: 24 °C Dew Point: 13 °C Wind Direction: 260 Density Altitude: Ft.

Wind Speed: 8 Gusts: Weather Conditions at Accident Site: Visual Conditions

Visibility (RVR): 0 Ft. Visibility (RVV) 0 SM Intensity of Precipitation: Unknown

Restrictions to Visibility: Haze

Type of Precipitation: None

**Accident Information**

Aircraft Damage: Substantial 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					
Student Pilot				1	1
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				2	2
Other Ground	0	0	2		2
- GRAND TOTAL -	0	0	2	2	4



National Transportation Safety Board

**FACTUAL REPORT**

**AVIATION**



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Occurrence Date: 06/04/1995

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

JEFF RICH

Additional Persons Participating in This Accident/Incident Investigation:

JOE BRASHER  
WP-LGB-FSDO  
LONG BEACH, CA 90815