



Aviation Investigation Final Report

Location:	PORT ORCHARD, Washington	Accident Number:	SEA90LA070
Date & Time:	April 30, 1990, 14:40 Local	Registration:	N7127L
Aircraft:	GRUMMAN AA-5	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

AFTER ARRIVAL, THE PLT DECIDED TO MAKE A LOW APCH OVER THE ARPT TO CHECK THE RWY. AS HE INITIATED A GO-AROUND AT ABOUT 100 TO 200 FT AGL, THE ENG RAN ROUGH & WOULD NOT DEVELOP SUFFICIENT POWER TO SUSTAIN FLT. AN EMERGENCY LANDING WAS MADE ON A 'LOGGED-OUT AREA.' DURING THE LANDING, THE ACFT HIT SMALL TREES & STUMPS, & WAS DAMAGED. AN INVESTIGATION REVEALED THAT THE WRONG TYPE OF CARBURETOR WAS INSTALLED ON THE ENG & THAT THE CARBURETOR FLOAT WOULD 'HANG UP' INTERMITTENTLY.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER MAINTENANCE, AND THE INSTALLATION OF AN IMPROPER CARBURETOR. A FACTOR RELATED TO THE ACCIDENT WAS THE PRESENCE OF TREES AND STUMPS IN THE EMERGENCY LANDING AREA.

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL
Phase of Operation: GO-AROUND (VFR)

Findings

1. (C) FUEL SYSTEM, CARBURETOR - IMPROPER
2. (C) MAINTENANCE, INSTALLATION - IMPROPER - OTHER MAINTENANCE PERSONNEL

Occurrence #2: FORCED LANDING

Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: LANDING

Findings

3. (F) OBJECT - TREE(S)

Factual Information

Pilot Information

Certificate:	Commercial	Age:	69, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	December 7, 1989
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	8000 hours (Total, all aircraft), 30 hours (Total, this make and model), 7000 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N7127L
Model/Series:	AA-5 AA-5	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	AA5-0427
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	February 26, 1990 100 hour	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:	76 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3739 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed	Engine Model/Series:	O-320-E2G
Registered Owner:	RANDY BROOKS	Rated Power:	150 Horsepower
Operator:	GOWER FLYING SERVICE	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	06

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PWT ,482 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	15:14 Local	Direction from Accident Site:	112°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	18°C / 4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	OLYMPIA , WA (OLM)	Type of Flight Plan Filed:	None
Destination:	PORT ORCHARD , WA (OS8)	Type of Clearance:	None
Departure Time:	14:07 Local	Type of Airspace:	Class G

Airport Information

Airport:	PORT ORCHARD 0S8	Runway Surface Type:	Asphalt
Airport Elevation:	370 ft msl	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	2600 ft / 50 ft	VFR Approach/Landing:	Go around;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	47.540157,-122.579994(est)

Administrative Information

Investigator In Charge (IIC):	Stockhill, Michael
Additional Participating Persons:	TERRY STODDARD; SEATTLE , WA
Original Publish Date:	September 30, 1991
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=41189

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