



Aviation Investigation Final Report

Location:	East Stroudsburg, Pennsylvania	Accident Number:	GAA18CA540
Date & Time:	August 25, 2018, 15:00 Local	Registration:	N3042W
Aircraft:	Yakovlev YAK 52	Aircraft Damage:	Substantial
Defining Event:	Landing gear not configured	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, during landing, on short final, he decided to go around. He added that, during the go-around, the airplane "developed a severe vibration," so he made a precautionary landing with the gear retracted. The airplane slid, exited the runway, and impacted terrain.

The airplane sustained substantial damage to the external longerons on the lower fuselage and engine mounts.

A Federal Aviation Administration inspector reported that there were no mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's failure to extend the landing gear during landing, which resulted in a runway excursion and subsequent impact with terrain.

Findings

Aircraft	Gear extension and retract sys - Not used/operated
Personnel issues	Lack of action - Pilot

Factual Information

History of Flight

Landing	Off-field or emergency landing
Landing-flare/touchdown	Landing gear not configured (Defining event)
Landing-flare/touchdown	Runway excursion
Landing-flare/touchdown	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	45,Male
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	5-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	May 1, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 23, 2017
Flight Time:	(Estimated) 905.7 hours (Total, all aircraft), 70 hours (Total, this make and model), 826.5 hours (Pilot In Command, all aircraft), 50 hours (Last 90 days, all aircraft), 23 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Yakovlev	Registration:	N3042W
Model/Series:	YAK 52 No Series	Aircraft Category:	Airplane
Year of Manufacture:	1982	Amateur Built:	
Airworthiness Certificate:	Other; Experimental (Special)	Serial Number:	822209
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	June 1, 2018 Condition	Certified Max Gross Wt.:	2899 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1270 Hrs	Engine Manufacturer:	Vegeneev
ELT:	Installed, not activated	Engine Model/Series:	M14P
Registered Owner:		Rated Power:	360 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KMPO, 1916 ft msl	Distance from Accident Site:	12 Nautical Miles
Observation Time:	18:53 Local	Direction from Accident Site:	302°
Lowest Cloud Condition:	Clear	Visibility:	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.29 inches Hg	Temperature/Dew Point:	21°C / 13°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	East Stroudsburg, PA (N53)	Type of Flight Plan Filed:	None
Destination:	East Stroudsburg, PA (N53)	Type of Clearance:	None
Departure Time:	14:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	Stroudsburg-Pocono N53	Runway Surface Type:	Asphalt
Airport Elevation:	480 ft msl	Runway Surface Condition:	Dry;Rough
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	3087 ft / 30 ft	VFR Approach/Landing:	Precautionary landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	41.035831,-75.160552(est)

Administrative Information

Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	Joe Sablan; FAA; Allentown, PA
Original Publish Date:	March 20, 2020
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98262

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).