Aviation Investigation Final Report

Location:	Heber City, Utah	**Accident Number:**	WPR20CA158
Date & Time:	May 31, 2020, 13:30 Local	**Registration:**	N5404W
Aircraft:	Cessna P210	**Aircraft Damage:**	Substantial
Defining Event:	Loss of engine power (total)	**Injuries:**	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that after completing the descent/approach checklist, he turned on the auxiliary fuel pump and switched from the left fuel tank to the right fuel tank. While on final approach, the pilot reported that he neglected to turn off the auxiliary fuel pump. When he made a slight power reduction, the engine flooded and lost power. The airplane subsequently touched down in the grass short of and to the right of the runway. During the landing roll, the right wing collided with a fence pole. The right wing was substantially damaged.

The manufacturer's before landing checklist requires the auxiliary fuel pump in the 'OFF' position during landing. A caution follows:

"Failure to turn the auxiliary fuel pump off may result in a complete power loss at reduced throttle settings due to an excessively rich mixture."

The pilot reported that he had modified the before landing checklist which omitted the fuel pump switch position.

Probable Cause and Findings

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

The pilots failure to switch the fuel pump to the 'OFF' position during landing, resulting in a loss of engine power and subsequent collision with a fence during landing. Contributing to the accident was a modified before landing checklist which omitted the fuel pump switch position.

Findings

Personnel issues	Incorrect action selection - Pilot
Aircraft	Fuel pump - Unnecessary use/operation
Personnel issues	Use of checklist - Pilot

Factual Information

History of Flight

Approach-VFR pattern final	Loss of engine power (total) (Defining event)
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Airline transport; Commercial; Flight instructor; Private	**Age:**	64,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	3-point
Instrument Rating(s):	Airplane	**Second Pilot Present:**	No
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	**Toxicology Performed:**	No
Medical Certification:	Class 2 With waivers/limitations	**Last FAA Medical Exam:**	October 1, 2019
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	
Flight Time:	24000 hours (Total, all aircraft), 60 hours (Total, this make and model), 23000 hours (Pilot In Command, all aircraft), 79.3 hours (Last 90 days, all aircraft), 9.5 hours (Last 30 days, all aircraft), 3.2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	**Registration:**	N5404W
Model/Series:	P210 N	**Aircraft Category:**	Airplane
Year of Manufacture:	1981	**Amateur Built:**	
Airworthiness Certificate:	Normal	**Serial Number:**	P21000683
Landing Gear Type:	Retractable - Tricycle	**Seats:**	
Date/Type of Last Inspection:	May 23, 2019 Annual	**Certified Max Gross Wt.:**	
Time Since Last Inspection:		**Engines:**	1 Reciprocating
Airframe Total Time:	2384 Hrs as of last inspection	**Engine Manufacturer:**	Continental
ELT:	C91 installed, not activated	**Engine Model/Series:**	TSIO-520
Registered Owner:	On file	**Rated Power:**	
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:	HCR,5637 ft msl	**Distance from Accident Site:**	
Observation Time:	13:15 Local	**Direction from Accident Site:**	
Lowest Cloud Condition:	Clear	**Visibility**	10 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	12 knots / 17 knots	**Turbulence Type Forecast/Actual:**	None / None
Wind Direction:	230°	**Turbulence Severity Forecast/Actual:**	N/A / N/A
Altimeter Setting:	30.03 inches Hg	**Temperature/Dew Point:**	28°C / 4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	San Diego, CA (MYF)	**Type of Flight Plan Filed:**	None
Destination:	Evanston, WY (EVW)	**Type of Clearance:**	None
Departure Time:	09:10 Local	**Type of Airspace:**	

Airport Information

Airport:	Heber City Municipal HCR	**Runway Surface Type:**	Asphalt;Concrete;Grass/turf
Airport Elevation:	5637 ft msl	**Runway Surface Condition:**	Dry;Vegetation
Runway Used:	22	**IFR Approach:**	None
Runway Length/Width:	6898 ft / 75 ft	**VFR Approach/Landing:**	Forced landing;Traffic pattern

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:**	40.488887,-111.419441

Administrative Information

Investigator In Charge (IIC):	Swick, Andrew
Additional Participating Persons:	Roger Messick; FAA-FSDO; San Deigo, CA
Original Publish Date:	February 2, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=101350