NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public aircraft accidents and incidents

BASI	C INFORMA	TION											
Accide	nt/Incident Loc	ation					Accident/Incident Date/Time						
Nearest	City/Place: Pino	n			_ State: _	\Z	Dat	te: 02/2	24/2022	Loc	cal Time:	0845	
ZIP: <u>86</u>	<u>5510</u> c	Country: US/	Α					mm/da	ł/yyyy	T:	7	ист	
Latitude	est. N36:17:2	20	Longitude: W11	0:8:50						111	me Zone: _	<u>WIST</u>	
	(Enter in decima	l degrees or d	legrees:minutes:sec	conds)			Co	llision with	Other Aire	eraft: C) Midair	OOn-groun	d O None
AIRC	AIRCRAFT INFORMATION												
Registration Number: N207RV								☐ IFR-Equip					
Manufacturer: Jonathan Ross						☐ Commercial Space Flight ☐ Unmanned Aircraft							
Model:	RV-8						M	aximum Gr	oss Weight	: 1800		lbs	
Serial N	Number: <u>8009</u>	4					W	eight at Tin	ne of Accid	ent/Inci	dent: <u>15</u> 4	12	_ lbs
Year of	Manufacture:	2004					Nı	umber of Se	ats: 2		Flight Cre	w Seats: 1	
Amateu	ır-Built: OYes		Kit/Plans Mal	ke: Van's				bin Crew Sea				Seats: 1	
	ONo	(Original Design				Νι	umber of Er	igines: 1				
Catego	ry of Aircraft		irworthiness Ce	rtificate		Landing Ge				Engine	Type (Se	lect one)	
AirplBallo		(Check all ti				(Check all tha				O Reci	procating	OLiqui OSolid	d Rocket
	on o/Dirigible	Norma	<u>- F</u>	ted		☐ Tricycle	Kett	ractable	ailwheel	O Turb O Turb		_	d Rocket
OGlide		Aeroba						_		OTurb	o Jet	ONone	
OGyro OHelic		☐ Balloo ☐ Comm				☐ Amphibia ☐ Emergenc						own	
	red Lift	Transp				□Float	,	□s	ki				
ORock OUltra		Utility			Light-Sport ☐ Hull ☐ Ski/Wheel ental Light-Sport ☐			Fuel System Type (Reciprocating)					
OUnkn	own	☐Certificate	of Authorization			Other Lau	ınch	Recovery Sys	stem	O Carb	uretor	● Fuel-	Injected
		□None		Unknown	,	None			nknown				
			Engine		Manuf	acturer's		Date of Mfg.	Rated Pow Horsep		Total Time	Time Inspection	Since: Overhaul
Engine	Engine Manufa	cturer	Model/Series			Number	_	mm/dd/yyyy	O lbs of		(hours)	(hours)	(hours)
Eng. 1	Textron Lycomi	ng	O-360-A1A		L-36622	2-36A	\dashv	02/03/1999	180		866.7	18.9	811.3
Eng. 2							\dashv						
Eng. 3 Eng. 4							\dashv						
				Propelle	<u> </u>	OFixed P	itch		Prope	ller 2	0	Fixed Pitch	
	spection Type			Тторси	, 1	Control	OControllable Pitch						
O100-H OAAIP	_	inuous Airwo litional Inspec		Manufac	turer:		Adj	justable	Manu	facturer		Ground Adjus	
OAnnu	al OUnki					/R-1BFP			Mode	_			_
Date L	ast Inspection:						No				inmont (Check all that	
A :	. Total Time.	mm/dd/yy		ELT Ins	staneu:	Gres O	110		Additio		ipment (леск ан та	арріу)
	ne Total Time: rs measured at (S		hrs	-	nufactur	er: Artex Airo	craf	t Supplies		rame Para			
_	,	,	ccident/Incident			: <u>453-0190</u>			✓ Ant		ck Indicato	r	
				TSO No.:		(121.5 MHz) C	J C9	1a (121.5 MH	z) 🗖 Data	Recorde			
Type of Maintenance Program (Select one) OC126 (406 MHz) O Annual					,	60	OV.	177		ght Bag or a	Handheld De Display	vice	
O Conditional (Amateur-built only) O Manufacturer's Inspection Program Was ELT still mounted in all Was ELT still connected to a							Elec	tronic Pri	mary Fligh				
	Approved Inspect		(AAIP)	Did ELT	Activate	? OYes On	No		1 =	dheld GPS ds Up Dis			
	nuous Airworthin	ess	,	If activa		41 41	c	Ov Ov.	✓ Onb	oard Wea	ther		
	, specify:	tingrish'	System	If not ac		ocating Aircra	ıt:	Ores ONo	Dute	llite Track Warning	cing Device System	•	
O None	otion of Fire Ex	unguisning	system	Indicate		☐ Impact Dar	mag	e	□Vide	eo Record	ing Device		
O Spec						Fire Dama	ge		Othe	er, Specify	/:		
						☐ Battery Exp	pire	d/Damaged					
						- James in II							

OWNER/OPERATOR INFORMA	ATION				
Registered Aircraft Owner		City: Lancaster			
Name: Eric Bippert		State: CA ZIP: 93536			
Fractional Ownership Aircraft: O Yes O	No	Country: USA			
Operator of Aircraft	gistered Owner	☑ Same Address as Registered Owner			
Name:		City:			
Doing Business As:		State: ZIP:			
Air Carrier/Operator Designator (4 Characte	er Code):	Country:			
Operating Certificates Held (Check all that apply)	Regulation Flight Conducted Un	der Revenue Operation for FAR 121, 125, 129, 135 (Select one for each group)			
■ None ■ Flag Carrier Operating Certificate (FAR 121) ■ Supplemental ■ Air Cargo ■ Foreign Air Carriers (FAR 129)	OFAR 91 OFAR 129 OFAR 109 OFAR 103 OFAR 133 OFAR 121 OFAR 135 OFAR 125 OFAR 137 OFAR	431 O Non-Scheduled or Air Taxi O International			
Rotorcraft External Load (FAR 133) Commuter Air Carrier (FAR 135)	ONon-US, Commercial	O Mail Contract Only			
□ On-Demand Air Taxi (FAR 135) □ Commercial Air Tour (FAR 136) □ Agricultural Aircraft (FAR 137)	ONon-US, Non-commercial OPublic Aircraft (Select one)	Purpose of Flight for FAR 91, 103, 133, 137 (Select one)			
□ Pilot School (FAR 141) □ Certificate of Authorization or Waiver (COA) □ Commercial Space Transportation Experimental Permit □ Commercial Space Transportation License □ Other Operator of Large Aircraft	O Armed Forces O Federal O State O Local OUnknown	O Aerial Application O Aerial Observation O Air Drop O Air Race/Show O Banner Tow O Business O Executive/Corporate O Aerial Observation O Flight Test O Glider Tow O Instructional O Other Work Use O Personal O Positioning			
Revenue Sightseeing Flight	Air Medical Flight	O External Load O Skydiving O Ferry			
O Yes ⊙ No	OYes ONo	3			
AIRPORT INFORMATION (Fill in	if accident/incident occurred on app	proach, landing, takeoff, departure, or within 3 miles of an airport)			
Airport Name:		Distance From Airport Center:sm			
Proximity to Airport: Ooff Airport/Airstri	OOn Airport/Airstrip ON/A	Direction From Airport:degrees true			
Troximity to Air port. Oon AirpontAirsun	p Oon Anpont/Ansurp On/A	Airport Elevation: ft. msl			
Runway Information		Condition of Runway/Landing Surface (Check all that apply)			
Runway ID:(L/R/C) Length:	ft Width:ft	□ Dry □ Snow-Compacted □ Water-Calm □ Holes □ Snow-Crusted □ Water-Choppy			
Runway/Landing Surface (Check all that at a	dam	☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy ☐ Rough ☐ Snow-Wet ☐ Wet ☐ Rubber Deposits ☐ Soft ☐ Slush-Covered ☐ Vegetation ☐ Unknown			
Approach/Departure Segment (Select one,)				
OTaxi OVFR Departure OTakeoff OIFR Departure Proc OInitial Climb	OOn Instrument Appelure/Clearance OLanding	proach ODownwind OLow Approach OBase OGo Around OFinal OAborted Landing (after touchdown) OCrosswind OUnknown			
IFR Approach (Check all that apply) □None		VFR Approach (Check all that apply) None			
□ ADF/NDB □ PAR □ SDF □ Sidestep □ VOR/TVOR □ IL.S □ VOR/DME □ Localizer Only □ TACAN □ LOC-back course □ RNAV	□MLS □Practice □LDA □GPS □ASR □Visual □Contact □Circling □Unknown	□ Traffic Pattern □ Stop and Go □ Straight-In □ Touch and Go □ Valley/Terrain Following □ Simulated Forced Landing □ Go Around □ Forced Landing □ Full Stop □ Precautionary Landing □ Unknown			

"FLIGHT CREWMEMBER 1" INFORMATION										
"Flight Crewmember 1" Re	sponsibilities at O Student Pilot	t the Time of OFlight 1		cident Check Pilot	OFligh	t Engineer	O Other I	Flight Crew		
"Flight Crewmember 1" wa	s pilot flying	✓ Yes □ 1	No							
"Flight Crewmember 1" Ide	entification									
					City of Re	sidence: L	<u>ancaster</u>			
Middle Initial: R					State: CA		2	ZIP: <u>93536</u>	<u> </u>	
Last Name: Bippert			Country:	USA						
Age at time of	Accident/Incide	ent: <u>44</u>	_ Date of E	Birth:		m	m/dd/yyyy			
		C	ertificate Nun	nber:						
Degree of Injury	Seat Occup	ied		Re	straint Ty	pe		1	Inflatable F	Restraints
O None O Fatal O Minor O Unknown	O Left O Right	FrontRear	O Unknow	wn	Available	,	Used			
O Serious	O Center	O Rear O Single			ONone		O None O Lap only		✓ Not Installe	
Pilot Certificate(s) (Check al	l that apply)				O Lap or O 3-poin		O2-point	,	□ Not De	
☐ None ☑ Flight I		Commercial	☐ US M	ilitary	O4-poin		O 4-point		Deploye	
✓ Private ☐ Recreat		Airline Transp		n	⊙ 5-poin O Unkno		5-point Unknow	vn	Unknov	VII
☐ Student ☐ Sport	L	Flight Engine	er		•		•			
Principal Occupation I	Medical Certific	cate		Me	edical Cer	tificate Va	lidity	1	Date of Las	t Medical
O 1 1.01		Class 3				itations/wai	_	nknown	03/01/20	21
•		Driver's Lice Unknown	ense (Sport Pilot	only) O	With limital Special Issu	ions/waiver ance	s ON	/A	mm/dd/yy	
Medical Certificate Limitati		,			1					
None.										
Medical Certificate Special	Issuance									
None.										
				_						
Date of Last Flight Review or Equivalent, Including		Fligh	t Review Air	craft						
FAR 121/135 Checks:	10/04/2021		Boeing							
	mm/dd/yyyy		ı: <u>747-400</u>							
Airplane Rating(s)	Other Aircra	01/		ent Rating(s)		r Rating(s)			
(Check all that apply) ☐ None	(Check all that a ✓ None	ipply)	1 :	l that apply)		(Check all	that apply)	_	I I	A :1
Single-Engine Land	Airship		☐ None ☐ Airpla	ine		☐ None ☐ Airplan	e Single-Engi		Instrument I	
☐ Single-Engine Sea☐ Multiengine Land	☐ Balloon ☐ Glider		☐ Helico	opter		✓ Airplan	e Multi-Engir	ne	Helicopter	•
☐ Multiengine Sea	Gyroplane		☐ Power	red Lift		Gyropla Powere		<u> </u>	Glider Sport	
	☐ Helicopter								- op-	
Type Ratings	☐ Powered Lif	i .				Student I	Indorsomor	nts (Include d	datas)	
A-320, B-747-4, B-757, B-767,	BE 400 MIL30	n						nt - 7/26/2021	,	
A-320, B-747-4, B-737, B-707,	BE-400, MO-30	U				ranwheer	endorsemen	11-11201202	l	
					, 1			,		
Flight Time (Enter appropriate	All	This Make	Airplane Single	Airplane		Inst	rument	-		Lighter
number of hours in each box)	Aircraft	& Model	Engine	Multiengine		Actual	Simulated	Rotorcraft	Glider	Than Air
Total Time	4,191	37	216	3,937		_	60	3	7	0
Pilot in Command (PIC)	2,652 1,752	9	140	2,508 1,752			43 43	0	3	0
Time as Instructor This Make/Model	1,752	U	U	1,732	290		0	U	U	U
Last 90 Days	33	24	27	6			0	0	0	0
Last 30 Days	17	16	17	0	+	+	0	0	0	0
Last 24 Hours	9	9	9	0		+	0	n	0	0

"FLIGHT CREWMEMBER 2" INFORMATION										
"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident OPilot OCo-Pilot OStudent Pilot OFlight Instructor OCheck Pilot OFlight Engineer OOther Flight Crew										
"Flight Crewmember 2" w	as pilot flying 🔲 Y	Yes 🗖	No							
"Flight Crewmember 2" Id	lentification									
First Name:				(City of Re	esidence:				
Lad Name										
Age at time of	Accident/Incident:					<i>mn</i>	i/aa/yyyy			
		Cer	tificate Numb			_				
Degree of Injury O None O Fatal	Seat Occupied OLeft	OFront	OUnknow	•	straint T	Гуре		1	nflatable R	estraints
O Minor O Unknown		Oriont	OUNKNOW	/n	Availab		Used			
O Serious		O_{Single}			O Non O Lap		O None O Lap only	,	□Not Inst	
Pilot Certificate(s) (Check a	ll that apply)				O 3-po	int	O 3-point	´	☐Not Dep	loyed
☐ None ☐ Flight	Instructor		☐ US Mi		O 4-po		O 4-point		☐Deploye ☐Unknow	
☐ Private ☐ Recrea		ne Transpor		ı	O 5-po O Unk		O 5-point O Unknow	/n	Unknow	'n
☐ Student ☐ Sport	☐ Fligh	nt Engineer	,		• • • • • • • • • • • • • • • • • • • •		• •	-		
Principal Occupation	Medical Certificate			M	edical Ce	ertificate Va	lidity	1	Date of Las	t Medical
O Pilot	O None O Cla	iss 3		_		mitations/wai	•	nknown		
O Other			ise (Sport Pilot			tations/waiver			/11/	
		known			Special Is	suance			mm/dd/yy	yy
Medical Certificate Limita	tions									
M. H. J. C. H. C. A. C. A. C.	T									
Medical Certificate Special	Issuance									
Date of Last Flight Review		Flight	Review Airc	raft						
or Equivalent, Including FAR 121/135 Checks:		Make:								
TAK 121/133 CHCKs.	mm/dd/yyyy	Model:								
Airplane Rating(s)	Other Aircraft Ra	ating(s)	Instrume	ent Rating(s)	Instructor	Rating(s)			
(Check all that apply)	(Check all that apply,			that apply)	3)	(Check all th	017			
☐ None	☐ None		None	11 77		☐ None	,		Instrument A	irplane
☐ Single-Engine Land	Airship		☐ Airplai	ne		☐ Airplane	Single-Engir	ie 🗆	Instrument H	elicopter
☐ Single-Engine Sea☐ Multiengine Land	☐ Balloon ☐ Glider		☐ Helico ☐ Powere			☐ Airplane ☐ Gyroplar	Multi-Engine		Helicopter Glider	
Multiengine Sea	Gyroplane		Powere	ed Lift		Powered			Sport	
_	□ Helicopter						2111	_	орон	
	☐ Powered Lift					G: 1 : 1				
Type Ratings						Student E	ndorsement	s (Include de	ates)	
		Т	Airplane			Y	t	<u> </u>	1	
Flight Time (Enter appropria		nis Make	Single	Airplane			rument	n	GW.	Lighter
number of hours in each box)	Aircraft &	Model	Engine	Multiengin	Nigh	t Actual	Simulated	Rotorcraft	Glider	Than Air
Total Time	+ +				+	+	-		-	
Pilot in Command (PIC)					+-					
Time as Instructor										
This Make/Model						+				
Last 90 Days		-			+					
Last 30 Days					+-	+	-			
Last 24 Hours										

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)									
Crew Name and Add	ress						Seat Occupie	d	Injury
First Name:							O Left O Center	OFront ORear	O None O Minor
Middle Initial:			State: ZIP:					O Single	O Serious
Last Name:		Cou	ntry:			-		OUnknown	O Fatal O Unknown
Pilot Certificate(s) (C	Check all that apply)						Restraint Tyj Available	pe: Used	Inflatable
□ None □ Flight Instructor □ Commercial □ US Military □ Private □ Recreational □ Airline Transport □ Foreign						O None	O None	Restraints	
☐ Private ☐ Student	Recreational Sport		line Transp ght Enginee		eign		O Lap Only O 3-point	O Lap Only O 3-point	☐ Not Installed☐ Installed
T. D. (T.)	•						O4-point	O _{4-point}	□ Not Deployed□ Deployed
Type Rating/Endorsement for Accident/Incident Aircraft?					O 5-point O Unknown	O 5-point O Unknown	☐ Unknown		
Accident/Incident All	rcrait: \(\supersection \text{Y es}	□ No	of this A	xccident/inc	dent:	hrs			
Crew Name and Add	ress						Seat Occupie		Injury
First Name:		City	of Resider	nce:			OLeft	OFront ORear	O None O Minor
Middle Initial:		State	e:		ZIP:	en Anna Anna Anna Anna Anna Anna Anna An	OCenter ORight	O Single	O Serious
Last Name:		Cou	ntry:					OUnknown	O Fatal O Unknown
Pilot Certificate(s) (C	Check all that apply)						Restraint Typ		Inflatable
None	☐ Flight Instructor		nmercial		Military		Available O None	Used O None	Restraints
☐ Private ☐ Student	☐ Recreational ☐ Sport		☐ Airline Transport ☐ Foreign ☐ Flight Engineer				O Lap Only	O Lap Only	☐ Not Installed☐ Installed
L Student	Броп	— 1 11 6	 I				O 3-point O 4-point	O 3-point O 4-point	■ Not Deployed
Type Rating/Endorse		_		light Time a			O 5-point	O 5-point	☐ Deployed ☐ Unknown
Accident/Incident Air PASSENGER(S) /		□No		Accident/Inci		hrs	OUnknown	O Unknown	
I PASSENGERISI/			I				4 if management		
THE LITE OF THE STATE OF THE ST	OTHER PERSO	NNEL (Include c	abin crew; c	ontinue on s	eparate shee	t if necessary)	Inflatable	
Name and Address	OTHER PERSO	ONNEL (Include c	abin crew; c Seat	ontinue on s Injury	eparate shee Restraint T		Inflatable Restraints	Age
Name and Address				Seat	Injury	Restraint T	`ype Used	Restraints	
	City :			Seat OLeft		Restraint T Available ONone OLap Only	Vsed O None O Lap Only		Age Under 5 years
Name and Address First Name:	City : State:	ZIP:		Seat OLeft OCenter ORight	ONone OMinor OSerious	Restraint T Available ONone OLap Only O3-point	Used O None O Lap Only O 3-point	Restraints Not Installed Installed Not Deployed	☐ Under 5 years If Under 5,
Name and Address First Name: Middle Initial: Last Name:	City : _ State: _ Country:	ZIP:		Seat OLeft OCenter ORight OUnknown	Injury ONone OMinor	Restraint T Available ONone OLap Only O3-point O4-point O5-point	Used O None O Lap Only O 3-point O 4-point O 5-point	Restraints Not Installed Installed	☐ Under 5 years
Name and Address First Name: Middle Initial:	City : State:	ZIP:		Seat OLeft OCenter ORight	ONone OMinor OSerious OFatal	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Restraints Not Installed Installed Not Deployed Deployed	☐ Under 5 years If Under 5, ○ Child Restraint
Name and Address First Name: Middle Initial: Last Name:	City : State: Country: OPassenger	ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row:	ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone	Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used O None	Restraints Not Installed Installed Not Deployed Deployed Unknown	Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
Name and Address First Name: Middle Initial: Last Name: OCrew	City : State: Country: OPassenger City :	ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row: OLeft OCenter	ONone OMinor OSerious OFatal OUnknown ONone OMinor	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only	Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed	☐ Under 5 years If Under 5, OChild Restraint O Lap-Held O Unknown
Name and Address First Name: Middle Initial: Last Name: OCrew First Name:	City : State: Country: OPassenger City : State:	ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight	ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone	Used ONone OLap Only O3-point O4-point O5-point OUnknown Used ONone OLap Only O3-point	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Installed Not Deployed	Under 5 years If Under 5, OChild Restraint O Lap-Held O Unknown Under 5 years If Under 5,
Name and Address First Name: Middle Initial: Last Name: OCrew First Name: Middle Initial:	City : State: Country: OPassenger City : State:	ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row: OLeft OCenter	ONone OMinor OSerious OFatal OUnknown ONone OMinor	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point	Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 4-point O 5-point	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed	☐ Under 5 years If Under 5, OChild Restraint O Lap-Held O Unknown
Name and Address First Name:	City : State: Country: OPassenger City : State: Country: OPassenger	ZIP:	ther	OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row:	ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O5-point O4-point O5-point O4-point Available ONone	Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used Used Used Used Used	Restraints Not Installed Installed Deployed Deployed Unknown Not Installed Installed Installed Deployed Unknown	Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
Name and Address First Name:	City: State: Country: OPassenger City: State: Country: OPassenger City:	ZIP:	ther	OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row: OLeft OUnknown Row:	ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O4-point O5-point O4-point O5-point OUnknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Deployed Unknown Not Deployed Unknown	Under 5 years If Under 5, OChild Restraint O Lap-Held O Unknown Under 5 years If Under 5, OChild Restraint O Lap-Held
Name and Address First Name: Middle Initial: Last Name: OCrew First Name: Middle Initial: Last Name: OCrew First Name: Middle Initial: Last Name: Middle Initial:	City: State: Country: OPassenger City: State: Country: OPassenger City: State:	ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row:	ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point OUnknown Available ONone OLap Only O3-point O4-point O4-point O5-point O4-point O5-point O4-point O5-point OLap Only O3-point OUnknown	Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Deployed Unknown Not Deployed Unknown	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, If Under 5,
Name and Address First Name:	City: State: Country: OPassenger City: State: Country: OPassenger City: State:	ZIP:	ther	OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row: OLeft OUnknown Counter ORight OUnknown Counter ORight OUnknown Counter ORight OUnknown	ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point OUnknown Available ONone OLap Only O3-point O4-point O5-point O5-point	Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 5-point O Unknown Used ONone OLap Only O 3-point O 4-point O 5-point O 5-point O 5-point O 5-point	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Deployed Unknown Not Deployed Unknown	Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
Name and Address First Name: Middle Initial: Last Name: OCrew First Name: Middle Initial: Last Name: OCrew First Name: OCrew First Name: OCrew Crew Company of the property of t	City: State: Country: OPassenger City: State: Country: OPassenger City: Country: OPassenger City: State: Country: OPassenger	ZIP:	ther	OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OCenter ORight OUnknown	ONone OMinor OSerious OFatal OUnknown ONone OMinor OSerious OFatal OUnknown OFatal OUnknown OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O5-point O4-point O5-point OUnknown Available ONone OLap Only O3-point OUnknown Available ONone OLap Only O3-point O4-point O4-point	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O 4-point O 5-point O Unknown	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Deployed Unknown Not Deployed Unknown Not Installed Deployed Deployed Unknown	☐ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown ☐ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown ☐ Under 5 years If Under 5, ○ Child Restraint ○ Unknown
Name and Address First Name:	City : State: Country: OPassenger City : State: Country: OPassenger City : State: Country: OPassenger City : Country: Country: OPassenger	ZIP:Oot	ther	Seat OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row:	ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O5-point O4-point OUnknown Available ONone OLap Only O3-point O4-point OUnknown Available ONone OLap Only O3-point O4-point O4-point O4-point O5-point OUnknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Not Deployed Unknown Not Installed Installed Deployed Unknown Not Installed Installed Not Deployed Unknown Not Installed Not Deployed Deployed Deployed Not Installed	Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
Name and Address First Name: Middle Initial: Last Name: OCrew First Name: Middle Initial: Last Name: OCrew First Name: OCrew First Name: Middle Initial: Last Name: Middle Initial: Last Name: Middle Initial: Last Name: Middle Initial:	City: State: Country: OPassenger City: State: Country: OPassenger City: State: Country: OPassenger City: State: Country:	ZIP:Oot ZIP:Oot ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row:	ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Not Deployed Unknown Not Installed Installed Deployed Unknown Not Installed Installed Installed Not Deployed Unknown	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years
Name and Address First Name:	City: State: Country: OPassenger City: State: Country: OPassenger City: State: Country: OPassenger City: State: Country:	ZIP:Oot ZIP:Oot ZIP:	ther	Seat OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row: OLeft OCenter ORight OCenter ORight OUnknown Row: OLeft OCenter ORight OUnknown Row:	ONone OMinor OSerious OFatal OUnknown	Restraint T Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point OUnknown Available ONone OLap Only O3-point O4-point O4-point O4-point O5-point OUnknown Available ONone OLap Only O3-point O4-point	Used ONone OLap Only O 3-point O4-point O5-point OUnknown Used ONone OLap Only O 3-point O4-point O5-point OUnknown Used ONone OLap Only O 3-point O4-point O5-point OUnknown Used ONone OLap Only O 3-point O4-point O4-point O5-point OUnknown Used ONone OLap Only O3-point O4-point O4-point O5-point OUnknown	Restraints Not Installed Installed Not Deployed Deployed Unknown Not Installed Installed Not Deployed Unknown Not Installed Installed Deployed Unknown Not Installed Installed Not Deployed Unknown Not Installed Not Deployed Deployed Deployed Not Installed	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years

FLIGHT ITINERARY	INFORMATIO	N						
Last Departure Point		e of Departure	Destination	n		Type Fligh	nt Plan Filed	
Airport ID: KFMN		-	Airport ID:	L00		None	O VFR/IFR	
City: Farmington	Time	: 0802	City: Ros	amond		O Company O Military		
State: NM	Time	Zone: MST	State: CA	State: CA			VFR O Unknown	
Country: USA			Country: U			Activated?	OYes ONo OUnknown	
Type of ATC Clearance/Se	rvice (Check all that	apply)						
None	Special VFR IFR	☐ Spe	cial IFR R On Top		✓ VFR Flight Follows □ Traffic Advisory		☐ Cruise ☐ Unknown / NA	
☐ Class B☐ Class C☐ Class D☐ Class E☐	Class G Demo Area Warning Area Prohibited Area Restricted Area	☐ Mili☐ Airp☐ Jet 7☐ TRS☐ FAF	tary Operations fort Advisory A Training Area A A B B B B B B B B B B B B B B B B B	rea	□Special □Air Traffic Contr □Unknown	rol Area	Altitude of In-Flight Occurrence:	
WEATHER INFORM		ACCIDENT	/INCIDEN	T SITE				
Source of Pilot Weather In (Check all that apply) National Weather Service Flight Service Station TV/Radio Automated Report Commercial Weather Service On-Board Weather	☐ Com ☐ Milit ☑ Inter ☐ None	tary net e		Facility ID: F Observation Ti Time Zone: N Distance from	ime: before flight	oreflight / ADSB-in / XM weather ne: before flight and real-time ST Accident Site: 0 nm		
Basic Conditions		Light Conditi	on					
♥VMC OIMC OUnknown		ODawn ODay	ODusk ONight		k Night OUn	ıknown		
Sky/Lowest Cloud Conditi	on	Ceiling			Temperature:	0	(C) or(F)	
O Clear O Few O Partial Obscuration O Scattered	OThin Broken OThin Overcast OUnknown	O None (Clear) O Broken O Overcast	0	Obscured Indefinite Unknown	Dew Point:		(F) in. Hg	
Lowest Cloud Condition F	leight ft agl	Ceiling Height	t	ft agl		or	MB	
Wind Direction	Wind Speed		Wind Gusts		Visibility	9999	miles	
☐ Variable	☐ Calm		✓ Not Gustir	ng	D V/D	:		
	☐ Light and Varia	ible					miles	
or- Direction: 270 degrees true	-or- Speed: 8	kts	-or- Speed:	kts	RVV Density Altitu		miles	
Intensity of Precipitation	Type of Precipit			Kt5	<u> </u>		Check all that apply)	
OLight OModerate OHeavy ON/A OUnknown	☑ None □ Rain □ Snow □ Hail □ Rain Showers	Drizzle	Freezing Snow S Ice Pello	hower ets Shower	☑ None ☐ Blowing Du☐ Blowing Sa☐ Blowing Sn☐ Blowing Sp☐ Dust	ust G	* * * * *	
Icing Forecast		Icing Actual		· ·	Turbulence			
Amount Type None O N/A Trace O Rime Light O Clear Moderate O Mixed Severe O Unknown		Amount None Trace Light Moderate Severe Unknown	Type O N/A O Rime O Clear O Mixe O Unkr	· sd	Type (Check a. None Clear Air Terrain-Indu	ıced	Severity Light Moderate Severe Extreme	
NOTAMs (D and FDC),	AIRMETs, SIGM	1ETs, PIREPs	in effect at	the time of t	he accident/inci	dent:		
None.								

DAMAGE TO AIRCRAFT AND OTHER PROPERTY								
Aircraft Da O None O Minor	mage Substantial Destroyed Unknown	Aircraft Fire None In-Flight On-Ground	O Both Ground and In-Flight O Fire at Unknown Time O Unknown	Aircraft Explosion None O In-Flight O On-Ground	O Both Ground and In-Flight O Explosion at Unknown Time O Unknown			
Damage in	8	ection of the vertica	(Use additional sheet if necessary) al stabilizer and rudder, damage to	the spinner, scrate	ch marks on the propeller, and			

NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and and location, services obtained, and intended destination. Provide as much detail as possible.

The flight was intended to be flown from Four Corners Regional, NM (KFMN) to Rosamond Skypark, CA (L00) with a flight path south of the Grand Canvon and then direct to the destination. This was a VFR Part 91 flight and takeoff was at 0802 MST. I was accompanied by another RV-8 in loose formation who also held the squawk and talked to ATC on the radios. The baseline cruise altitude was 8,500 ft MSL due to higher headwinds and predicted turbulence at higher altitudes. Approximately 30 minutes into the flight, the terrain rose up quickly close to our current altitude. Referencing the sectional, there were no obvious obstacles that would preclude safe low level flight. As such, we opted to maintain the current altitude which put us in the low level environment as we crossed over Black Mesa and advised Center of our intention to do so. The terrain was sparsely populated and completely covered in snow. There was no turbulence, mountain wave or otherwise, and the sky was clear. Approximately 5 minutes into the low level, I chose to fly between a line of powerlines off to my left that followed the route, and bare mountainside terrain on my right which seemed like a safe position as I did not expect additional powerlines to cross my flight path. Out of seemingly nowhere approximately 10 feet in front of the aircraft and while wings-level, I believe I saw 3 horizontal powerlines stacked vertically and perpendicular to my flight path with no time to react. I felt a thump and questioned if I really hit powerlines rather than a bird because it was so benign. I immediately executed a climb and checked my engine instruments. After clearing the terrain and ensuring my engine was functioning properly, I assessed the exterior of my aircraft and didn't immediately notice anything. The other RV-8 rejoined on me and reported the upper part of my vertical stabilizer was missing. No other damage was noticed and I did not have any issues with aircraft control. We advised ATC, declared an emergency, passed the estimated latitude and longitude of the powerline strike, and proceeded to the nearest suitable airfield which was Flagstaff. After coordinating with Denver Center, we discovered the airfield was closed due to snow. At that point I opted to proceed to the next nearest suitable alternate which was Prescott-Love Field. I landed uneventfully on Runway 21L at 0938 MST. After clearing the runway to the right on Taxiway C4, I shutdown and was checked out by the fire department and airfield management.

After getting out and inspecting the aircraft, I confirmed the missing upper section of the vertical stabilizer and rudder. I also noticed damage to the spinner, scratch marks on the propeller, and mainly superficial skin damage on the wings. I filed an initial oral report with the NTSB. After the aircraft was cleared to be moved, airfield management and a local FBO towed the aircraft to be stored in a hangar. Later in the day I spoke to an inspector at the FAA and provided an initial oral report. I also contacted the utility company to help locate and assess the powerline damage.

RECOMMENDATION (How	could this	accident/incident ha	ve been pre	vented?)				
Operator/Owner Safety Recomm	endation							
Low level flight through mountainous terrain is inherently dangerous, and the added threat of powerlines even more so.								
Recommendations: 1. An overflight of the area first would likely have prevented this accident it is recommended to overfly a route before flying low level. 2. Low level flight over uniform snow-covered ground made it more difficult to assess actual AGL altitude and distance special care should be taken in these conditions. 3. I incorrectly assumed that due to my positioning, my flight path would be safe of crossing powerlines assumptions like this should not be made about powerlines during low level flight.								
MECHANICAL MALFUN	NCTION/F	FAILURE (If mor	re space is n	eeded, co	ntinue on separ	rate sheet)		
Was there Mechanical Malfund				,	•	,	Total Time	/Cvcles
(If yes, list the name of the part, many			scribe the failu	re.)			On Part	, 0, 0100
								Hours
								Cycles
							T: 0:	
							Time Since Inspected/0	This Part Overhauled
								Hours
FUEL & SERVICES INF	ORMATI	ON						
Fuel on Board at Last Takeoff		Fuel Type						
(Convert from pounds, as necessary)		O 80/87	O 115/145		O Jet B	O Other, specify		
_42	Gallons	100 Low Lead100/130	O Jet A O Jet A-1		O JP8 O Automotive			
Other Services, if Any, Prior to	Departure							
The airplane was placed in a	hangar ove	rnight.						
EVACUATION OF AIRC	RAFT							
Was an emergency evacuation		oft nerformed?	☐ Yes	☑ No				
Method of Exit – Describe how					d each location			
			,					
OTHER AIRCRAFT - C	OLLISIO	(If air or ground	collision occ	urred, cor	mplete this sect	ion for other aircrat	ft)	
Aircraft Registration Number	Manufactu	ırer:					nage to Other	
							Destroyed Substantial	☐ Minor ☐ None
Registered Owner of Other Air					Other Aircraft	, = 0		
Name:				Name:				
City:				City:				
State:ZIP: _				State:		_ZIP:		
Country:				Country:	·			

ADDITIONAL INF	ORMATIC	ON (Please type or print in ink)		
Use this space if addi	tional space	is needed for any answers.		
I HEREBY CERTIF	Y THAT TH	HE ABOVE INFORMATION IS COMPLE	ETE AND ACCURATE TO THE BEST OF M	MY KNOWLEDGE
Date of this Report	Name of	Pilot/Operator: Eric Bippert		
3/6/2022		e:		
mm/dd/yyyy		✓ Check here to electronically sign this c		
			locument	
		erator is Filing Report		
Name:			Title:	
Signature:			<u> </u>	
- or - □C	heck here to	electronically sign this document		
		FOR NTSB (USE ONLY	
NTSB Accident/Incident	dent No.	Reviewed by NTSB Regional Office	Name of Investigator	Date Report Received
WPR22LA107		AS-WPR	Fabian Salazar	March 6, 2022