



November 8, 2023

National Highway Traffic Safety Administration

RE: Screenshots of VIN generation worksheet and NHTSA Check Digit confirmation related to Part 565 submission

Pure Zero Construction LLC																		
Character Position	WMI Assigned Manufacturer's code "1P9"			Product Line, see chart	Trailer to Towing Vehicle connection type	Trailer body type	Trailer length	# of Axles on RV	CHECK DIGIT, see computation and chart	Model Year	Plant code, This is always "P" for Pueblo	WMI Assigned To PURE ZERO CONSTRUCTION RVs			Sequential Assigned Last 3 digits of the VIN No# 001-002 Etc			
	1	2	3									4	5	6	7	8	9	10
Actual VIN	1	P	9	1	B	E	F	1	2	P	P	9	2	6	0	0	1	
Converted Values	1	7	9	1	2	5	6	1	2	7	7	9	2	6	0	0	1	
Multiplier	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2	Sum of Products
Product (Value x Multiplier)	8	49	54	5	8	15	12	10	0	63	56	63	12	30	0	0	2	387
Product Line Chart		# Conversion			Trailer Length			Check Digit Computation				Year Chart						
vin position #4		Brand Name Prd.Line			Letter Number			vin position #7 Length			vin position #9 calculation			vin position #10				
ASPEN 1		A 1			A 19			Sum of Products (Add column B-R)			YEAR DIGIT							
ADU 100 2		B 2			B 20			Divided By 11			2023 P							
ADU 200 3		C 3			C 21			Equals Whole # + Decimal			2024 R							
		D 4			D 22			367 11 35,1818			2025 S							
		E 5			E 23			vin position #0			2026 T							
		F 6			F 24			If Decimal is: Check Digit is			2027 V							
		G 7			G 25			0.09 1			2028 W							
		H 8			H 26			0.18 2			2029 X							
		J 1			J 27			0.27 3			2030 Y							
		K 2			K 28			0.36 4			2031 1							
		L 3			L 29			0.45 5			2032 2							
Vin position #1-3 is SAE Plant ID		M 4			M 30			0.54 6			2033 3							
Vin position #4 is Product line/Make		N 5			N 31			0.63 7			2034 4							
Vin position #5 is Trailer to Towing Vehicle conn type		P 7			P 32			0.72 8			**cannot use the letters I, O or Q anywhere in vin**							
Vin position #6 is Trailer Body type		R 9			R 33			0.81 9			**cannot use U, Z or the # 0 for defining model year							
Vin position #7 is Trailer Length		S 2			S 34			0.90 X										
Vin position #8 is Trailer axle configuration		T 3			T 35			0.00 0										
Vin position #9 is Check Digit		U 4			U 36													
Vin position #10 is model year "0"		V 5			V 37													
Vin position #11 is "C" for City of Caldwell		W 6			W 38													
Vin position #12-14 is SAE Plant ID		X 7			X 39													
Vin position #15-17 is trailer serial #		Y 8			Y 40													
		Z 9			Z 41													

Check Digit Calculator on next page

Check Digit Calculator

VIN	1P91BEF12PP926001																	<input type="button" value="Check Digit"/>
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
VIN Input	1	P	9	1	B	E	F	1	2	P	P	9	2	6	0	0	1	
Convert to number	1	7	9	1	2	5	6	1	2	7	7	9	2	6	0	0	1	
Multiplier	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2	
Result/Product	8	49	54	5	8	15	12	10	0	63	56	63	12	30	0	0	2	387 mod 11 = 2
Correct VIN	1	P	9	1	B	E	F	1	2	P	P	9	2	6	0	0	1	

Check digit 2 is correct.

Respectfully,



Rod Stambaugh, CEO
 Pure Zero Construction
 Direct: 720.810.4228
 Rod@purezeroconstruction.com