

# 01-022-N11B-7923

Spartan Motors *KAC-73*  
DA-VAR-000517-C



## Spartan Motors Chassis VIN System

# ORIGINAL

Example VIN = **4VZF P0298VC021572**

WORLD MFG. IDENTIFICATION NUMBER  
4VZ - CABLESS CHASSIS  
4S7 - CAB CHASSIS  
POSITIONS NO. 1-3

MODEL LINE POSITION NO. 4  
GVWR - BRAKE POSITION NO. 5

ENGINE LINE POSITION NO. 6 & 7

CAB TYPE POSITION NO. 8

SEQUENTIAL SERIAL NO. POSITION 12-17  
PLANT LOCATION CHARLOTTE, MI POSITION NO. 11  
MODEL YEAR POSITION NO. 10  
CHECK DIGIT POSITION NO. 9

POSITION NO. 4  
**4S7-CAB MODEL LINE**

LET.	MODEL
A	GLADIATOR
B	TR-1
C	METRO STAR
D	CHARGER
E	BARON
F	SILENT KNIGHT
G	SPECIALTY VEHICLE
H	ADVANTAGE
J	LOW PROFILE
K	CFR
L	KICKER
M	CONCRETE MIXER
N	SWEEPER
P	REFUELER
R	
S	
T	
U	

POSITION NO. 4  
**4VZ-CABLESS MODEL LINE**

LET.	MODEL
A	K2
B	MOUNTAIN MASTER (MM)
C	ALPINE (AP)
D	SUMMIT (SU)
E	Z2
F	TB
G	BC
H	LOW FLOOR (LF)
J	SCHOOL BUS (SB)
K	SPECIALTY VEHICLE (SP)
L	AV
M	BV
N	CV
P	CFR
R	EXP
S	
T	
U	
V	
X	
Y	
Z	
0	
1	
2	
3	
4	

ENGINE LINE POSITION NO. 6 & 7

NUM.	MODEL	NUM.	MODEL
01	CUMMINS B5.9 230HP	50	
02	CUMMINS B5.9C 195HP	51	
03	CUMMINS B5.9LFC 195HP	52	
04	CUMMINS B5.9 174HP (INDUST.)	53	
05	CUMMINS ISB 185HP	54	
06	CUMMINS ISB 190HP	55	
07	CUMMINS ISB 205HP	56	
08	CUMMINS ISB 210HP	57	
09	CUMMINS ISB 225HP	58	
10	CUMMINS ISB 240HP	59	
11	CUMMINS ISB 245HP	60	
12	CUMMINS ISB 260HP	61	
13	CUMMINS ISB 275HP	62	
14	CUMMINS CB.3G 250HP	63	
15	CUMMINS ISC 225HP	64	
16	CUMMINS ISC 240HP	65	
17	CUMMINS ISC 250HP	66	
18	CUMMINS ISC 260HP	67	
19	CUMMINS ISC 280HP	68	
20	CUMMINS ISC 285HP	69	
21	CUMMINS ISC 300HP	70	
22	CUMMINS ISC 315HP	71	
23	CUMMINS ISC 330HP	72	
24	CUMMINS ISC 350HP	73	
25	CUMMINS M11E 400HP	74	
26	CUMMINS M11E 450HP	75	
27	CUMMINS ISM 320HP	76	
28	CUMMINS ISM 330HP	77	
29	CUMMINS ISM 350HP	78	
30	CUMMINS ISM 370HP	79	
31	CUMMINS ISM 380HP	80	
32	CUMMINS ISM 400HP	81	
33	CUMMINS ISM 450HP	82	
34	CUMMINS ISM 500HP	83	
35	DOC SERIES 40 275HP	84	
36	DOC SERIES 60 330HP	85	
37	DOC SERIES 60 350HP	86	
38	DOC SERIES 60 370HP	87	
39	DOC SERIES 60 400HP	88	
40	DOC SERIES 60 430HP	89	
41	DOC SERIES 60 470HP	90	
42	DOC SERIES 60 500HP	91	
43	DOC SERIES 60 600HP	92	
44	DOC SERIES 60 700HP	93	
45	DOC B92T 540HP	94	
46	DOC B92T 585HP	95	
47	DOC B92T 710HP	96	
48		97	
49		98	

GVWR/BRAKE SYSTEM POSITION NO. 5

LET.	GVWR RANGE (LBS)	BRAKE SYSTEM	LET.	GVWR RANGE (LBS)	BRAKE SYSTEM
A	10,000-14,000	AIR	N	26,001-32,000	AIR
B	10,000-14,000	HYD	P	26,001-32,000	HYD
C	10,000-14,000	AIR/HYD	R	32,001-38,000	AIR
D	14,001-16,000	AIR	S	32,001-38,000	HYD
E	14,001-16,000	HYD	T	38,001-46,000	AIR
F	14,001-16,000	AIR/HYD	U	46,001-54,000	AIR
G	16,001-19,500	AIR	V	54,001-62,000	AIR
H	16,001-19,500	HYD	W	62,001-70,000	AIR
J	16,001-19,500	AIR/HYD	X	70,001-OVER	AIR
K	19,501-26,000	AIR			
L	19,501-26,000	HYD			
M	19,501-24,000	AIR/HYD			

**CALCULATION OF A CHECK DIGIT** POSITION NO. 9

V.I.N. POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ACTUAL V.I.N.	4	V	Z	F	P	0	2	9	8	V	C	0	2	1	5	7	2
CONVERTED VALUES ONE HEAD	4	5	9	6	7	0	2	9	8	3	3	0	2	1	5	7	2
MULTIPLIER	8	7	6	5	4	3	2	10	9	8	7	6	5	4	3	2	
PRODUCT (VALUES X MULTIPLIER)	32	35	54	30	28	0	4	90	0	45	24	0	12	5	20	21	4
																	404

CONVERTED VALUES

A = 1	N = 5
B = 2	P = 7
C = 3	R = 9
D = 4	S = 2
E = 5	T = 3
F = 6	U = 4
G = 7	V = 5
H = 8	W = 6
J = 1	X = 7
K = 2	Y = 8
L = 3	Z = 9
M = 4	

CHECK DIGIT COMPUTATION

SUM OF THE PRODUCTS (FROM ABOVE)	DIVIDED BY	EQUALS WHOLE NUMBER + DECIMAL
404	11	36 + 0.72

CHECK DIGIT

IF THE DECIMAL IS	THE CHECK DIGIT IS
.00	1
.10	2
.20	3
.30	4
.40	5
.50	6
.60	7
.70	8
.80	9
.90	X
.00	0

1 IS THE DIGIT THAT IS TO BE PLACED IN THE 9TH POSITION OF THE VIN NUMBER

POSITION NO. 8  
**CAB TYPE**

NO.	CAPACITY
1	1 PERSON
2	2 PERSON
3	3 PERSON
4	4 PERSON
5	5 PERSON
6	6 PERSON
7	7 PERSON
8	8 PERSON
9	MULTI-PASS
0	10 PERSON

POSITION NO. 10  
**MODEL YEAR**

YEAR	CODE
1999	X
2000	Y
2001	1
2002	2
2003	3
2004	4
2005	5
2006	6
2007	7
2008	8
2009	9

NOTES:  
ANY AMENDMENTS TO THIS INFORMATION SHALL BE SUBMITTED AT LEAST 60 DAYS BEFORE AFFIXING A VEHICLE IDENTIFICATION NUMBER UTILIZING AN AMENDED CODING.  
SUBMIT TO: ADMINISTRATOR, NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION  
400 SEVENTH STREET S.W.  
WASHINGTON, D.C. 20590  
ATTENTION: VIN COORDINATOR

C	19,501-24,000 WBS 19,501-22,000	07757	21MAR00	SAT
B	CORRECTED EXAMPLE CHECK DIGIT CALC. VIN FOR 85 PRODUCT WBS 21.	Q6988	05OCT199	J. WERTZ
A	ADDED "EXP" TO MODEL POSITION "R"	C6942	21SEP99	J. WERTZ
---	INITIAL RELEASE	C6383	14JUN99	J. WERTZ
LET	REVISION	E.C.	DATE	BY

**Spartan Motors, Inc.**  
WORLD WIDE VEHICLES AND CHASSIS  
1000 REMELDS RD.  
CHARLOTTE, N.C. 28213

REV. **C**

TITLE: **VEHICLE IDENTIFICATION NUMBER**  
(EFFECTIVE VOM AUGUST 1, 1999)

8200-ZZ1