

NVS-200



EXECUTIVE SECRETARIAT

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NATIONAL HIGHWAY  
TRAFFIC SAFETY ADM.

Optima Bus Corp.  
1601 E. 77<sup>th</sup> North  
Valley Center, KS 67147

February 23, 2006

**01-022-N11B-11394**  
**SPSS.**

Administrator  
National Highway Traffic Safety Administration (NSA-32)  
400 Seventh Street, SW  
Washington, DC 20590

Subject: VIN Decoding Information for Optima Bus Corp.

In accordance with § 565.7 © of 49 CFR Part 565, Vehicle Identification Number, Optima Bus Corporation hereby submits Vehicle Identification Number (VIN) decoding information. We have the following addition:

Position	Type	Description	Assigned Code
5	Axle Series - Meritor	MFS12, RS21160	7

Thank you for your attention to this submission.

If you have any questions regarding this, please contact us.

Sincerely

Keith Pfannenstiel, P.E.  
Director of New Product Development

Ph: 316.779.7700 • 888.391.1777 • Fax: 316.779.7712  
P.O. Box 19140 • Wichita, KS 67204-9140

Ph: 316.779.7700 • 888.391.1777 • Fax: 316.779.7727 • Customer Service Fax: 316.779.7715  
P.O. Box 19140 • Wichita, KS 67204-9140

# ADDENDUM

Revised 6/30/05

The following is information needed to construct a complete VIN (Vehicle Identification Number) for any Optima Bus Corp. vehicle.

A VIN is a 17-digit code that is required by DOT regulations 49 CFR PART 571.115, PART 565 and PART 566. It describes the manufacturer of the vehicle and various features of the vehicle. A guide describing the codes in a manufacturer's VIN is submitted to NHTSA for their files. Use information about the vehicle to answer the following questions and enter the appropriate code in the proper position.

**Position 1** **Code: 1**  
Used to designate the country of manufacture. Since Optima Bus Corp., Inc. is a United States Manufacturer, SAE assigns a "1" for this position.

**Position 2** **Code: Z**  
Used for the first letter of the name of the manufacturing company, "Z" for Optima Bus Corp., Inc.

**Position 3** **Code: 9**  
Used to designate the size of the manufacturing company. SAE assigns a "9" for this position since Chance Coach, Inc. manufactures fewer than 500 units a year.

**Position 4** **Code:**  
MODEL of unit  
Streetcar (AH-28) S  
Low Floor Bus (LFB29, LFB34, LFB32) B

**Position 5** **Code:**  
For Model S, and B  
Meritor FG 943, and RS19145 Axles 2  
Meritor MFS12, RS21145 6  
Meritor MFS12, RS21160 7

**Position 6 and 7**  
For Model S and B enter the Body Style Code in Position 6.

**Body Style** **Code:**  
LFB-29 B  
CNG-28 C  
LFB-34 D  
AH-28 H  
LPG-28 L  
LFB-32 M

For Model S and B enter the Engine Code in Position 7.

**Engine - Cummins** **Code:**  
B5.9 02-200 hp Diesel R  
B5.9 02-245 hp Diesel S  
B5.9 02-275 hp Diesel T  
BG-230 hp CNG (was BG-195hp CNG Never Used) U  
BG-195 hp LPG V  
B5.9 02-260 hp Hybrid W

**Position 8** **Code:**  
**Brake Type - Meritor**  
Disc Brake System D  
S-Cam Drum Air Brake System S

**Position 9**  
Calculated Check Digit

**Position 10**  
Year of Manufacture Code

2003	3	2006	6	2009	9	2012	C
2004	4	2007	7	2010	A	2013	D
2005	5	2008	8	2011	B	2014	E

**Position 11** **Code: W**  
Represents the location of the plant of manufacture:  
Optima Bus Corp, Wichita, KS.

**Position 12** **Code: 2**  
**Position 13** **Code: 1**  
**Position 14** **Code: 6**  
These three positions are assigned by SAE and are unique to Optima Bus Corp. they are used by SAE to distinguish vehicles produced by Optima Bus Corp. from those produced by other manufactures.

**Position 15, 16 and 17**  
Enter the production unit number, as specified by Optima Bus Corp. production into these three positions.

VEHICLE TYPE: OPUS LFB 29

VIN POSITION

1 | Z | 9 | B | 7 | B | S | S | 4 | 6 | W | 2 | 1 | 6 | 3 | 5 | 3

AXLE-SERIES-MERITOR	
FF946, RS21145	5
MFS12, RS21145	6
MFS12, RS21160	7

ENGINE TYPE-CUMMINS	
B5.9 02-200 HP	R
B5.9 02-245 HP	S
B5.9 02-260 HP HYBRID	W
B5.9 02-275 HP	T

CALCULATED CHECK DIGIT

MODEL YEAR			
2003	3	2009	9
2004	4	2010	A
2005	5	2011	B
2006	6	2012	C
2007	7	2013	D
2008	8		

UNIT #

BRAKE TYPE-MERITOR	
DISC BRAKES	D
S-CAM DRUM BRAKES	S

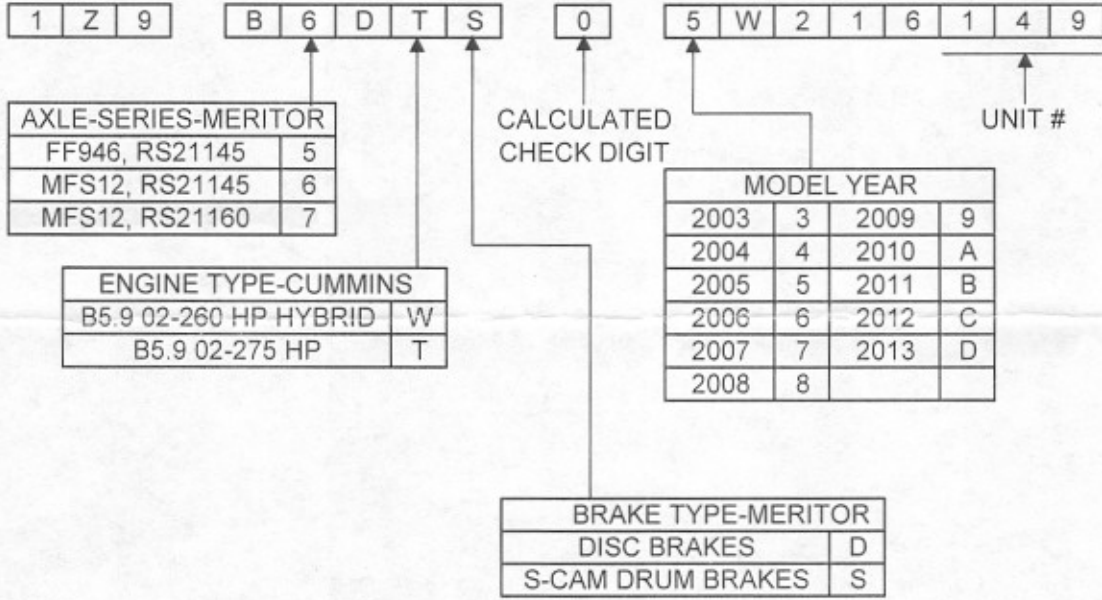
1 | Z | 9 | B | 7 | B | S | S | 6 | W | 2 | 1 | 6 | 3 | 5 | 3

1	9	9	2	7	2	2	2		6	6	2	1	6	3	5	3
8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2
8	63	54	10	28	6	4	20		54	48	14	6	30	12	15	6

378 SUM DIVIDED BY 11 34 WHOLE 4

VEHICLE TYPE: OPUS LFB 34

VIN POSITION



1	Z	9	B	6	D	T	S		5	W	2	1	6	1	4	9
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1	9	9	2	6	4	3	2		5	6	2	1	6	1	4	9
8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2
8	63	54	10	24	12	6	20		45	48	14	6	30	4	12	18

374	SUM	DIVIDED BY 11	34	WHOLE	0
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VEHICLE TYPE: MASTER 2/1/06

VIN POSITION

