



June 20, 2007

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

Subject: VIN Decoding Information for Optima Bus, LLC

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

Position	Type	Description	Assigned Code
5	Axle Series – Meritor	NFLF204, RS21160	8

Thank you for your attention to this submission.

If you have any questions, please contact us.

Sincerely,

Mike Emrie
Engineering Manager

ADDENDUM

Revised 5/7/07

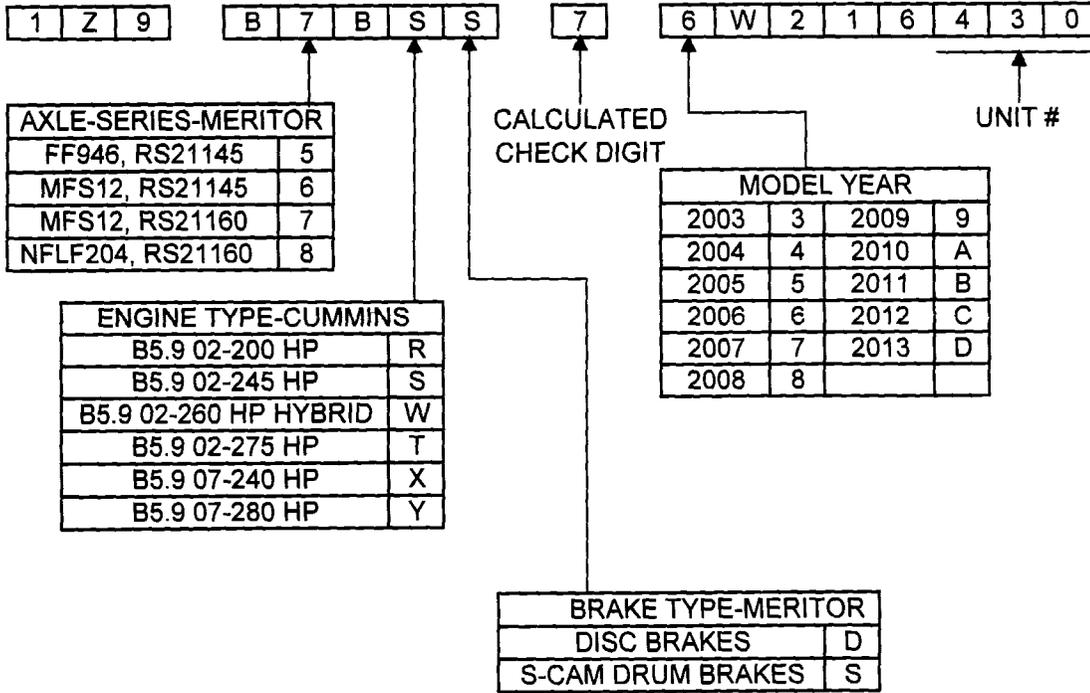
The following is information needed to construct a complete VIN (Vehicle Identification Number) for any Optima Bus, LLC vehicle.

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 the information about the vehicle to answer the following questions and enter the appropriate code in the proper position.

<p>Position 1 Code: 1 Used to designate the country of manufacture. Since Optima Bus, LLC is a United States Manufacturer; SAE assigns a "1" for this position.</p>	<p>Position 8 Code: Brake Type - Meritor Disc Brake System D S-Cam Drum Air Brake System S</p>																								
<p>Position 2 Code: Z Used for the first letter of the name of the manufacturing company, "Z" for Optima Bus, LLC.</p>	<p>Position 9 Calculated Check Digit</p>																								
<p>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.</p>	<p>Position 10 Year of Manufacture Code</p> <table border="0" style="width: 100%;"> <tr> <td>2003</td><td>3</td><td>2006</td><td>6</td><td>2009</td><td>9</td><td>2012</td><td>C</td> </tr> <tr> <td>2004</td><td>4</td><td>2007</td><td>7</td><td>2010</td><td>A</td><td>2013</td><td>D</td> </tr> <tr> <td>2005</td><td>5</td><td>2008</td><td>8</td><td>2011</td><td>B</td><td>2014</td><td>E</td> </tr> </table>	2003	3	2006	6	2009	9	2012	C	2004	4	2007	7	2010	A	2013	D	2005	5	2008	8	2011	B	2014	E
2003	3	2006	6	2009	9	2012	C																		
2004	4	2007	7	2010	A	2013	D																		
2005	5	2008	8	2011	B	2014	E																		
<p>Position 4 Code: MODEL of unit Streetcar (AH-28) S Low Floor Bus (LFB29, LFB34, LFB32) B</p>	<p>Position 11 Code: W Represents the location of the plant of manufacture: Optima Bus, LLC, Wichita, KS.</p>																								
<p>Position 5 Code: For Model S, and B Meritor FG 943, and RS19145 Axles 2 Meritor MFS12, RS21145 6 Meritor FF946, RS21145 5 Meritor MFS12, RS21160 7 Meritor NFLF124, RS21160 8</p>	<p>Position 12 Code: 2 Position 13 Code: 1 Position 14 Code: 1</p>																								
<p>Position 6 and 7 For Model S and B enter the Body Style Code in Position 6.</p>	<p>These three positions are assigned by SAE and are unique to Optima Bus, LLC, they are used by SAE to distinguish vehicles produced by Optima Bus, LLC from those produced by other manufacturers.</p>																								
<p>Body Style Code: LFB-29 B CNG-28 C LFB-34 D AH-28 H LPG-28 L LFB-32 M</p>	<p>Position 15, 16 and 17 Enter the production unit number, as specified by Optima Bus, LLC production into these three positions.</p>																								
<p>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 B5.9 07-240hp Diesel X B5.9 07-280hp Diesel Y</p>																									

VEHICLE TYPE: OPUS LFB 29

VIN POSITION



1	Z	9	B	7	B	S	S	6	W	2	1	6	4	3	0
1	9	9	2	7	2	2	2	6	6	2	1	6	4	3	0
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	16	9	0

370 SUM DIVIDED BY 11 33 WHOLE 7

VEHICLE TYPE: OPUS LFB 32

VIN POSITION

1 | Z | 9 | B | 7 | M | S | S | 8 | 6 | W | 2 | 1 | 6 | 0 | 7 | 5

AXLE-SERIES-MERITOR	
FF946, RS21145	5
MFS12, RS21145	6
MFS12, RS21160	7
NFLF204, RS21160	8

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
B5.9 07-240 HP	X
B5.9 07-280 HP	Y

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 | M | S | S | 6 | W | 2 | 1 | 6 | 0 | 7 | 5

1	9	9	2	7	4	2	2	6	6	2	1	6	0	7	5
8	7	6	5	4	3	2	10	9	8	7	6	5	4	3	2
8	63	54	10	28	12	4	20	54	48	14	6	30	0	21	10

382 | SUM | DIVIDED BY 11 | 34 | WHOLE | 8

VEHICLE TYPE: OPUS LFB 34

VIN POSITION

1 | Z | 9 | B | 7 | D | T | S | 1 | 6 | W | 2 | 1 | 6 | 1 | 6 | 0

AXLE-SERIES-MERITOR		
FF946, RS21145		5
MFS12, RS21145		6
MFS12, RS21160		7
NFLF204, RS21160		8

ENGINE TYPE-CUMMINS	
B5.9 02-260 HP HYBRID	W
B5.9 02-275 HP	T
B5.9 07-240 HP	X
B5.9 07-280 HP	Y

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 | D | T | S | 6 | W | 2 | 1 | 6 | 1 | 6 | 0

1	9	9	2	7	4	3	2		6	6	2	1	6	1	6	0
8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2
8	63	54	10	28	12	6	20		54	48	14	6	30	4	18	0

375 SUM DIVIDED BY 11 34 WHOLE 1

**VEHICLE IDENTIFICATION NUMBER
OPTIMA BUS CORP.**

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VIN	1	Z	9								W	2	1	6			
Converted Value	1	9	9								6	2	1	6			
Multiplier	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2
Product	8	63	54								48	14	6	30			

VEHICLE IDENTIFICATION NUMBER OPTIMA BUS CORP.

7/20/07

After all other characters in the VIN are determined by the manufacturer, the check digit shall be calculated by the following computations:

Using the VIN worksheet multiply each value by its assigned multiplier.

Add all products, then divide this value by 11, determining a whole number and a Remainder. Enter the remainder value as the VIN Check Digit.

Remainder zero – use the number 0 (zero)

Remainder 10 – use the letter X

Each letter used in the VIN is assigned a numerical value according to the following table:

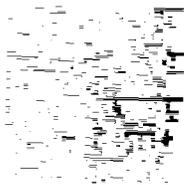
LETTER ASSIGNED VALUES				
Letter	Value		Letter	Value
A	1		N	5
B	2		P	7
C	3		R	9
D	4		S	2
E	5		T	3
F	6		U	4
G	7		V	5
H	8		W	6
J	1		X	7
K	2		Y	8
K	3		Z	9
M	4			



OptimaTM
bus corp

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