



Optima Bus Corp.
1601 E. 77th North
Valley Center, KS 67147

June 30, 2005

01-022-N11B-10676

2 pgs.

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 additions:

Position	Type	Description	Assigned Code
5	Axle Series - Meritor	MFS12, RS21145	6
6	Body Style	LFB 32	M
7	Engine Type Cummins (3)	BG-230 HP CNG	*U
		BG-195 HP LPG	V
		B5.9 02 260 HP Hybrid	W

*The largest non electronic engine available from Cummins in the past has been 195hp. They have since made available the 230hp engine with new electronic controls. After finding this out Optima Bus Corp., switched to the largest engine without producing any vehicles with the 195hp and new electronic controls Optima Bus Corp., would like to switch the "U" designation to 230hp.

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 Engineering

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

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.