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APS Systems

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AP9

June 1, 1994

Administrator
National Highway Traffic Safety Administration
ATTN: VIN Coordinator, NRM-15, Rm. 5320 & Rm 5307A
400 7th Street, S. W.
Washington, D. C. 20590

ORIGINAL

Subject: **Vehicle Identification Number (VIN)**

Dear VIN Coordinator,

APS Systems is reporting herein to the National Highway Traffic Safety Administration (NHTSA) the information necessary to decipher all characters of the 17 digit VIN scheme used by APS Systems to identify our vehicles.

If you have any questions, please contact Nick Advani or Uzi Cantoni at (805)984-0300 extensions 29 and 31 respectively.

Sincerely,

APS Systems



N. K. Advani
President

NA:uc

cc: Uzi Cantoni



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APS Systems

01-22-N11B

Vehicle Identification Number (VIN)

APS Systems Vehicle Identification Number system is in accordance with the seventeen digit character position system. The vehicle identification number (VIN) provides the most complete method of identifying the vehicle and includes information relative to the country in which the vehicle was produced, the manufacturer, the type of vehicle, type of brake system, body length and width, type of engine, the year of manufacture, where the vehicle was built, and the build sequence number which corresponds to the number on the Certification Label.

| Character Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| Actual V.I.N. | 1 | A | 9 | | | | | | | | | 3 | 2 | 6 | | | |

APS Systems V.I.N. designators for character position 1, 2 and 3 (world manufacturer identifier) are **1 A 9** and for 12,13 and 14 (manufacturer identifier if less than 500 units/yr) are **3 2 6** (bolded in the above table) will appear on every V.I.N. given by APS Systems. This code (numbers) was assigned to APS Systems by SAE International acting as the agent of the NHTSA for the assignment of manufacturer identifiers pursuant to CFR 49 Part 565 . 5C Vehicle Identification Number (VIN), please see attached letter from SAE International to APS Systems dated May 13, 1994.

APS Systems designators for V.I.N. character positions, 4, 5, 6, 7, 8 and 11.

| 4 | 5 | 6 | 7 | 8 | 11 |
|----------------|-------------------------|------------------------------|---------------------|----------------------|--------------------------|
| Model | Series (for size in ft) | Body Style | Engine | Brake | Assembly Plant |
| B (Bus) | 1 (10 - 19) | Airport | E (Electric) | A (Air) | 0 (Oxnard) |
| | 2 (20 - 29) | Coach | H (Hybrid) | H (Hydraulic) | 1 (Santa Barbara) |
| | 3 (30 - 39) | Passenger | | | |
| | 4 (40 - 45) | Recreational (& Shuttle) | | | |
| | | School | | | |
| | | Transit | | | |
| | | Utility | | | |

Example of APS Systems V.I.N. for a twenty two foot shuttle bus unit number one:

| Character Position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | |
|-------------------------------|---|---|----|----|---|----|----|----|---|----|----|----|----|----|----|----|----|-----|
| Actual V.I.N. | 1 | A | 9 | B | 2 | R | E | H | 9 | R | 0 | 3 | 2 | 6 | 0 | 0 | 1 | |
| Converted Values | | 1 | | 2 | | 9 | 5 | 8 | | 9 | | | | | | | | |
| Multiplier | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 10 | 0 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | |
| Product (Values x Multiplier) | 8 | 7 | 54 | 10 | 8 | 27 | 10 | 80 | | 81 | 0 | 21 | 12 | 30 | 0 | 0 | 2 | 350 |

For the above V.I.N. the check digit at character position 9 was computed as follows:

| Sum of Products (from above table) | Divided By | Whole Number | Equals + | Decimal |
|------------------------------------|------------|--------------|----------|---------|
| 350 | 11 | 31 | | .8181 |

Because the decimal is .81, the **check digit is 9** as shown in the above V.I.N. table **position 9**.

The 10 Character Position is for Model Year.

The Model Year assignment is as follows:

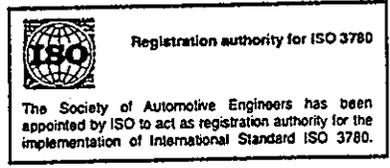
- R - 1994
- S - 1995
- T - 1996
- V - 1997
- W - 1998
- X - 1999
- Y - 2000
- 1 - 2001
- 2 - 2002
- 3 - 2003
- 4 - 2004
- 5 - 2005
- 6 - 2006
- 7 - 2007
- 8 - 2008
- 9 - 2009
- A - 2010
- B - 2011
- C - 2012
- D - 2013

The 15, 16 and 17 Character Positions are given for production/build sequence number.

APS Systems production/build sequence number starts at **0 0 1**.

01-22-NMB

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TELEX NO. 866-355

May 13, 1994

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MAY 19 1994

APS SYSTEMS

Nick Advani
APS Systems
3535 West 5th Street
Oxnard, CA 93030

Dear Mr. Advani:

This letter confirms our telephone conversation of May 13, 1994 regarding the assignment of a World Manufacturer (Maker) Identifier (WMI) Code. As the agent of the NHTSA for the assignment of manufacturer identifiers pursuant to CFR 49 Part 565.5C Vehicle Identification Number (VIN), we hereby confirm the following code:

APS Systems
3535 West 5th Street
Oxnard, CA 93030
United States

1 A 9 with the 12, 13, and 14th,
characters of the WMI Code
to be 3 2 6

Electric Buses

Sincerely,

Cathy Douds

Cathy Douds
WMI Coordinator

/cd

Enclosure

cc: P. Proctor
M. Nantais

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