



The Flxible Corporation

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5/30/85  
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ORIGINAL

May 7, 1985

01-22-N11B-1861

Administrator  
National Highway Traffic Safety Administration  
400 Seventh Street, S. W.  
Washington, D. C. 20590

ATTN: VIN COORDINATOR

REF: 49CFR571.115 VEHICLE IDENTIFICATION NUMBER

Dear Sir:

The Flxible Corporation has added an additional body code to the sixth character of our seventeen character VIN number as shown below:

Added code "J" - City Transit Coach, 1 door, automatic environmental control, one wheelchair occupant space, transverse and longitudinal seating.

If you have any questions, please call.

Sincerely,

THE FLXIBLE CORPORATION

James R. Mitzenberg,  
Product Safety Engineer

JM/aa

cc: J. Bolton  
C. Guntharp  
L. Watt

<b>PREPARED BY</b>		<b>GRUMMAN <i>FLXIBLE</i></b> DELAWARE, OHIO 43015 		
C. Sidner <i>ad.</i>	2/28/80			
<b>APPROVALS</b>				
<i>J. Schubert</i>	2/28/80	<b>SPECIFICATION</b>	<b>NUMBER</b>	95-0010
<i>R. J. Mueller</i>	3/7/80		<b>TITLE</b>	<b>TYPE</b>
<i>R. J. Mueller</i>	3-7-80	VEHICLE IDENTIFICATION NUMBER (VIN) CODES	Product	2/20/80
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**REVISIONS**

REV		DATE	BY	APPR
A	Added Code "E" to Section 3.2.2.3 - Added Codes "6", "7" & "8" to Section 3.2.2.4 <b>PCR 02693-400</b>	6/3/81	RDF	6/15
B	Section 3.2.2.1 Added Code "5" Per PCR 04875-400	11-8-82	TRM	<i>RJMU</i> 11/8
C	Section 3.2.2.3 Added Code "F" & "G" Per PCR 05096-400	6-31-83	D.P.	
D	Sections 1.0, 3.2.1.2, 3.2.4.2 - Changed Grumman Flxible Corp to The Flxible Corporation - Per PCR 5663-400	10-7-83	DP	
E	Section 3.2.2.4 - Added Code "9" - Per PCR 05984-400	12/22/83		
F	Section 3.2.2.2 - Added Code "E" Section 3.2.2.3 - Added Code "H" per PCR 05823-220	5/25/84		
G	Section 3.2.2.4 - Added Code "A" per PCR 06603-400	9/5/84	<i>CHS</i>	
H	Section 3.2.2.3 - Added Code "J" per PCR 6722-200	8/27/85	<i>CHS</i>	
J	Section 3.2.2.3 - Code "J" was two (2) now one (1) per PCR 06757-400	5/6/85	<i>CHS</i>	

GET 22383  
 GET 52584  
 GET 90584  
 GET 32783

- 1.0 SCOPE  
This specification describes and establishes the codes that shall be used by The Flxible Corporation for the seventeen (17) characters of the vehicle Identification Number (VIN).
- 2.0 APPLICABLE DOCUMENTS
- 2.1 Federal Motor Vehicle Safety Standard (FMVSS) #115 as amended March 22, 1979.
- 2.2 Federal Regulation 49CFR567, Certification Regulation of NHTSA.

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**PAGE:** 23.0 **REQUIREMENTS**3.1 **General**

The VIN shall be structured in accordance with FMVSS #115. It shall be a seventeen character display which is composed of three (3) sections and a check digit as follows:

- (a) **Section I - Maker Identifier**  
This section includes the first three (3) characters (first through the third digit).
- (b) **Section II - Vehicle Attributes**  
This section relates to the next five characters (fourth through the eighth digits).
- (c) **Check Digit**  
This is a single character (the ninth digit).
- (d) **Section III - Vehicle Identifier**  
This section is composed of eight characters (tenth through the seventeenth digits).

3.2 **Codes**

The following codes shall be used as applicable for the listed digits. For each digit a description is given and the applicable codes are defined.

3.2.1 **Section I**

These codes are approved by the federal government and no change may be made without prior approval by the government.

3.2.1.1 **First Character:**

- Country - The country in which manufacture occurs.
- Code: "1" - United States

3.2.1.2 **Second Character:**

- Manufacturer - The entity responsible for affixing the vehicle certification label required by 49CFR567.
- Code: "G" - The Flexible Corporation  
970 Pittsburgh Drive  
Delaware, Ohio 43015  
(614) 369-7671

3.2.1.3 **Third Character**

- Make and Type - A name which a manufacturer applies to a group of vehicles distinguished by common traits, including design and purpose.
- Code: "F" - Flexible transit coaches (bus).

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## 3.2.2 Section II

These codes are established by the manufacturer, but must be submitted to the federal government for information sixty (60) days prior to usage.

## 3.2.2.1 Fourth Character:

- |           |   |
|-----------|---|
| Line      | - A name which is applied to a family of vehicles within a make which have a degree of commonality in construction such as body, chassis or cab type. |
| Code: "4" | - Advance Design Transit Coach manufactured to the UMTA Baseline Specification; GFC Model 870.  |
| Code: "5" | - Advance Design Transit; METRO <sup>TM</sup>   |

## 3.2.2.2 Fifth Character:

- |            |   |
|------------|---|
| Series     | - A noun applied to a subdivision of a "line" denoting price, size or weight identification and which is utilized by the manufacturer for marketing purposes. |
| Codes: "A" | - 40 x 102 (40 feet long, 102 inches wide)  |
| "B"        | - 40 x 96 (40 feet long, 96 inches wide)  |
| "C"        | - 35 x 102 (35 feet long, 102 inches wide)  |
| "D"        | - 35 x 96 (35 feet long, 96 inches wide)  |
| "E"        | - 30 x 96 (30 feet long, 96 inches wide)  |

## Notes:

- (1) The above lengths and widths are nominal overall body dimensions exclusive of exterior mirrors, side marker and signal lamps, flexible portions of bumpers, rubrails, and flexible fender skirts.
- (2) The code is not related to number of passengers as this is an option of the customer within any of the above given sizes and is not used within Flexible to denote series.

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A

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J

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**3.2.2.3 Sixth Character:**

- Body Type - The general configuration or shape of a vehicle distinguished by such characteristics as the number of doors or windows, cargo - carrying features and roof lines.
- Code: "A" - City transit coach 2 doors, automatic environmental control, transverse and longitudinal seating.
- Code: "B" - City transit coach 2 door, automatic environmental control, wheelchair occupant space, wheelchair lift equipped, transverse & longitudinal seating.
- Code: "C" - City transit coach 2 door, automatic environmental control, wheelchair lift equipped, two (2) wheelchair occupant spaces, transverse and longitudinal seating.
- Code: "D" - City transit coach 2 door, automatic environmental control, perimeter seating.
- Code: "E" - City transit coach, 2 door, no air conditioner, wheelchair occupant space, wheelchair equipped, transverse and longitudinal seating.
- Code: "F" - City transit coach 2 door, manual air conditioner transverse and longitudinal seating.
- Code: "G" - City transit coach 2 door, no A/C transverse and longitudinal seating.
- Code: "H" - City transit coach 1 door, automatic environmental control, wheelchair occupant space, wheelchair lift equipped, transverse and longitudinal seating.
- Code: "J" - City transit coach 1 door, automatic environmental control, one (1) wheelchair occupant spaces, transverse and longitudinal seating.

**3.2.2.4 Seventh Character:**

- Engine Type - Identifies the power source with specifically defined characteristics such as fuel utilized, number of cylinders, displacement, manufacturer and horsepower.
- Code: "1" - Detroit Diesel 8V-71, 8 cylinders, 568 cubic inch, 262 bhp at 2100 rpm.
- Code: "2" - Detroit Diesel 6V-71, 6 cylinders, 426 cubic inch, 183 bhp at 2100 rpm.
- Code: "3" - Detroit Diesel 8V-71 TAE, 8 cylinders, 568 cubic inch, 262 bhp at 2100 rpm. (TAE indicates turbo-charged aftercooled emissions) meets California EPA requirements.

3.2.2.4 Seventh Character: (Continued)

- Code: "4" - Cummins Diesel VTB-903, 8 cylinders, 903 cubic inch, 275 bhp at 2100 rpm. (Turbocharged) meets current California EPA requirements.
- Code: "5" - Detroit Diesel 6V-92 TAC, 6 cylinders, 552 cubic inch, 224 bhp at 2100 RPM TAC indicates turbo charged, after cooled meets current California EPA requirements.
- Code: "6" - Detroit Diesel 6V-92TA, 6 cylinders, 552 cubic inches, 294 bhp at 2100 rpm, 49 state Federal engine.
- Code: "7" - Detroit Diesel 6V-71TA, 6 cylinders, 426 cubic in., 225 bhp at 2100 rpm, 49 state Federal engine.
- Code: "8" - Detroit Diesel 6V-92TAC, 6 cylinders, 552 cubic in., 260 bhp at 2100 rpm, 1980 California engine.
- Code: "9" - Detroit Diesel 6V-92TAC, 6 cylinder 552 cubic in., 260 bhp at 2100 rpm, 1984 California engine.
- Code: "A" - Detroit Diesel 6V-92TA, 6 cylinders, 552 cubic in., 294 bhp at 2100 rpm, 49 State Federal engine, 1985 Federal certification.

3.2.2.5 Eighth Character:

- Brake System - Identifies braking system with specifically defined characteristic such as method of force application (i.e., air, hydraulic, electric, etc.), disc or drum type, anti-lock installation and type of park brake.
- Code: "K" - Compressed air, drum type, no anti-lock devices installed, rear axle spring parking brake.
- Code: "L" - Compressed air, drum type, anti-lock device installed in rear axle only, rear axle spring parking brake.
- Code: "M" - Compressed air, drum type, anti-lock devices installed in both axles, rear axle spring parking brake.
- Code: "N" - Compressed air, drum type, no anti-lock devices installed, drive shaft spring parking brake.
- Code: "P" - Compressed air, drum type, anti-lock device installed in rear axle only, drive shaft spring parking brake.

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**PAGE:** 6**3.2.2.5 Eighth Character: (Continued)**

Code: "R" - Compressed air, drum type, anti-lock devices installed in both axles, drive shaft spring parking brake.

**3.2.3 Check Digit**

This single digit shall be left blank on all drawings assigning codes to specific configurations. The check digit shall be calculated by computer in accordance with FMVSS #115, amended, and shall be included in all VIN printouts, listings and other references to, or usage of, the VIN.

**3.2.4 Section III**

These codes are established by the manufacturer. Codes for the first digit of this section shall be in accordance with FMVSS #115, the second digit of this section must be submitted to the federal government for information sixty (60) days prior to usage. The format, not the specific numbers, of the remaining digits must also be submitted for information.

**3.2.4.1 First Character:**

Vehicle Model Year - This character is controlled by the application of Table II as found in the amended FMVSS 115.

Code: - Refer to Table II, FMVSS 115, duplicated on pg. 7 of this specification.

**3.2.4.2 Second Character:**

Plant of Manufacturer - This character code identifies the location of the plant in which the vehicle was manufactured.

Code: "D" - The Flxible Corporation  
Delaware Plant  
Delaware, Ohio 43015

**3.2.4.3 Third Through Eighth Characters:**

Production Sequence Number - These characters (must be numerics) represent the number sequentially assigned by the manufacturer in the production process.

Code: - Per continuing applicable current series of serial numbers. (Example: Prototype II - 090007)

DUPLICATION OF  
 TABLE II  
OF FMVSS #115

<u>YEAR</u>	<u>CODE</u>
1980.....	A
1981.....	B
1982.....	C
1983.....	D
1984.....	E
1985.....	F
1986.....	G
1987.....	H
1988.....	J
1989.....	K
1990.....	L
1991.....	M
1992.....	N
1993.....	P
1994.....	R
1995.....	S
1996.....	T
1997.....	V
1998.....	W
1999.....	X
2000.....	Y
2001.....	1
2002.....	2
2003.....	3
2004.....	4
2005.....	5
2006.....	6
2007.....	7
2008.....	8
2009.....	9
2010.....	A
2011.....	B
2012.....	C