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Robert H. Munson
Director
Automotive Safety Office
Environmental and Safety
Engineering Staff

Ford Motor Company
330 Town Center Drive
Dearborn, Michigan 48126

August 17, 1990

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

Attention: VIN Coordinator

Re: 1991 Model Year Vehicle Identification Number Codes -
Amendments - Revision No. 3

Reference: MY June 22, 1990 Letter on "1991 Model Year
Vehicle Identification Number Codes - Amendments
Revision No. 2"

Ford Motor Company is submitting 1991 model VIN code
information changes regarding:

- (1) Planned usage of the "Executive" series designation for the 1991 model year Town Car and Continental was cancelled. These series will now be base model series with no specific designations.
- (2) H.P. values for the Engine VIN Code information sheets (VIN position 8) have been added or revised.

Attached are pages 5 and 10 (dated August 17, 1990) incorporating the above changes and superceding these same pages of our previous 1991 transmittal dated June 22, 1990.

This information is submitted pursuant to Part 565 and Section 571.115 of Title 49 of the Code of Federal Regulations, Vehicle Identification Number (VIN).

If there are any questions regarding this matter, please advise.

Very truly yours,

W.J. Kinnel
R. H. Munson

Attachments

31 APR 2 ALL: 08
RECEIVED
NHTSA DOCKET

1991 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

IV. (Cont'd) - Line, Series, Body Type for Passenger Cars -
(VIN Positions 6 and 7)

VIN CODE	Car Line	Series	Additional Optional Exterior Nameplates	Body Type	Body Code
MAKE - LINCOLN					
*81	Town Car	Base		4-Dr. Sedan	FC
82	Town Car	Signature		4-Dr. Sedan	FC
83	Town Car	Cartier		4-Dr. Sedan	FC
92	Mark VII	Blass		2-Dr. Coupe	BA
93	Mark VII	LSC		2-Dr. Coupe	BA
*97	Continental	Base		4-Dr. Sedan	FC
98	Continental	Signature		4-Dr. Sedan	FC

*Revised August 17, 1990 (Planned usage of the "Executive" series designation for the 1991 model year was cancelled. These series will now be a Base model series with no specific designation.)

VII.

1991 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

Engine Type - Displacement, Cylinders, Fuel Type,
Manufacturer, and Horsepower (H.P.) Ratings
(VIN Position 8)

Engine types are divided into three distinct groups as shown below: Passenger Car, Light Truck/MPV, and Light/Medium/Heavy Truck. Each group is coded independently of the other two. This arrangement provides 99 separate cycles (33 in each group: the letters A through Z, and the numerals 0 through 9) and allows for the availability of additional codes for future engine applications.

VIN CODE	Displacement ^{a/} Litre	CID	Cylinders	Fuel	Manufacturer	Memo: Net Brake H.P.
<u>PASSENGER CAR</u>						
H	1.3 EFI	79	I-4	Gasoline	Mazda	63
6	1.6 EFI-TC	98	I-4 (Turbo)	Gasoline	Mazda	132
Z	1.6 EFI-DOHC	98	I-4	Gasoline	Mazda	100
8	1.8 EFI-DOHC	110	I-4	Gasoline	Mazda	127
J	1.9 EFI	113	I-4	Gasoline	Ford	88
C	2.2 EFI	133	I-4	Gasoline	Mazda	110
L	2.2 EFI-TC/IC	133	I-4 (Turbo/I)	Gasoline	Mazda	145
M	2.3 OHC EFI	140	I-4	Gasoline	Ford	105
X	2.3 HSC EFI	140	I-4	Gasoline	Ford	98
S	2.3 HSO EFI	140	I-4	Gasoline	Ford	100
N	2.5 CFI	153	I-4	Gasoline	Ford	90
U	3.0 EFI	182	V-6	Gasoline	Ford	145
Y	3.0 EFI SHO	182	V-6	Gasoline	Yamaha	220
4	3.8 EFI	232	V-6	Gasoline	Ford	140-155
R	3.8 EFI SC	232	V-6	Gasoline	Ford	210
W	4.6 EFI	281	V-8	Gasoline	Ford	185-200
E	5.0 EFI HO ^{b/}	302	V-8	Gasoline	Ford	225
F	5.0 EFI	302	V-8	Gasoline	Ford	150-160
T	5.0 EFI HO ^{c/}	302	V-8	Gasoline	Ford	200
G	5.8 HO VV	351	V-8	Gasoline	Ford	180

LIGHT TRUCK/MPV (with GVW Ratings of 11,000 pounds or less)

A	2.3 EFI	140	I-4	Gasoline	Ford	100
T	2.9 EFI	177	V-6	Gasoline	Ford	140
U	3.0 EFI	182	V-6	Gasoline	Ford	145
*V	3.4 D	210	I-6	Diesel	Cummins	105-125
X	4.0 EFI	241	V-6	Gasoline	Ford	155-160
9	4.9 EFI G-LPG	300	I-6	Gasoline ^{d/}	Ford	145-150
Y	4.9 EFI	300	I-6	Gasoline	Ford	145-150
N	5.0 EFI	302	V-8	Gasoline	Ford	185
*H	5.8 EFI	351	V-8	Gasoline	Ford	200
M	7.3 D	445	V-8	Diesel	Navistar	160-180
*G	7.5 EFI	460	V-8	Gasoline	Ford	230

LIGHT/MEDIUM/HEAVY TRUCK (with GVW Ratings over 11,000 pounds)

VIN CODE	Displacement ^{a/} Litre	CID	Cylinders	Fuel	Manufacturer	Memo: Gross H.P. Range
H	6.1 2V	370	V-8	Gasoline	Ford	164-207
K	7.0 4V	429	V-8	Gasoline	Ford	213-234
J	7.0 EFI	429	V-8	Gasoline	Ford	235
8	7.0 LPG	429	V-8	LPG	Ford	213-234
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Diesel

VIN CODE	Displacement ^{a/} Litre	CID	Cylinders	Basic Model No.	Manufacturer	H.P. Range
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M	7.3	445	V-8	7.3L	Navistar	165-185
A	7.8	474	I-6	Turbo	Ford	185-270
*L	10.0	611	I-6	L-10	Cummins	240-330
S	10.0	611	I-6	3176	Caterpillar	250-325
T	10.5	638	I-6	3306B	Caterpillar	285-300
*B	11.1	677	I-6	DDC-60	Detroit Diesel	320-425
R	14.0	855	I-6	N14	Cummins	310-460
W	14.0	855	I-6	NTC	Cummins	300-444
*X	14.6	893	I-6	3406	Caterpillar	310-460

DELETE ENGINE (applicable to all three groups above)

0 (Zero) DSO Glider - Delete Engine on motor vehicle equipment only.

^{a/} "HSC" means high swirl combustion. "LPG" means liquefied petroleum gas. "TC/IC" means turbocharged and intercooled. "TC" means turbocharged. "SHO" means super high output. "SC" means supercharged. "HSO" means high specific output. "EFI" means Electronic Fuel Injection. "DOHC" means Double Overhead Camshaft.

^{b/} Engine used only for Mustang and Mark VII and differs from passenger car "F" and "T" code engines.

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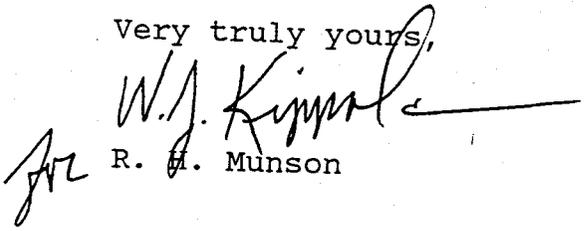
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C	2.2 EFI	133	I-4	Gasoline	Mazda	110
L	2.2 EFI-TC/IC	133	I-4 (Turbo/I)	Gasoline	Mazda	145
M	2.3 OHC EFI	140	I-4	Gasoline	Ford	105
X	2.3 HSC EFI	140	I-4	Gasoline	Ford	98
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Y	3.0 EFI SHO	182	V-6	Gasoline	Yamaha	220
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R	3.8 EFI SC	232	V-6	Gasoline	Ford	210
W	4.6 EFI	281	V-8	Gasoline	Ford	185-200
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T	10.5	638	I-6 3306B	Caterpillar	285-300
*B	11.1	677	I-6 DDC-60	Detroit Diesel	320-425
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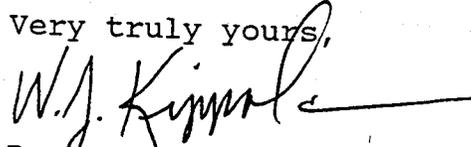
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Z	1.6 EFI-DOHC	98	I-4	Gasoline	Mazda	100
8	1.8 EFI-DOHC	110	I-4	Gasoline	Mazda	127
J	1.9 EFI	113	I-4	Gasoline	Ford	88
C	2.2 EFI	133	I-4	Gasoline	Mazda	110
L	2.2 EFI-TC/IC	133	I-4 (Turbo/I)	Gasoline	Mazda	145
M	2.3 OHC EFI	140	I-4	Gasoline	Ford	105
X	2.3 HSC EFI	140	I-4	Gasoline	Ford	98
S	2.3 HSO EFI	140	I-4	Gasoline	Ford	100
N	2.5 CFI	153	I-4	Gasoline	Ford	90
U	3.0 EFI	182	V-6	Gasoline	Ford	145
Y	3.0 EFI SHO	182	V-6	Gasoline	Yamaha	220
4	3.8 EFI	232	V-6	Gasoline	Ford	140-155
R	3.8 EFI SC	232	V-6	Gasoline	Ford	210
W	4.6 EFI	281	V-8	Gasoline	Ford	185-200
E	5.0 EFI HO ^{b/}	302	V-8	Gasoline	Ford	225
F	5.0 EFI	302	V-8	Gasoline	Ford	150-160
T	5.0 EFI HO ^{c/}	302	V-8	Gasoline	Ford	200
G	5.8 HO VV	351	V-8	Gasoline	Ford	180

LIGHT TRUCK/MPV (with GVW Ratings of 11,000 pounds or less)

A	2.3 EFI	140	I-4	Gasoline	Ford	100
T	2.9 EFI	177	V-6	Gasoline	Ford	140
U	3.0 EFI	182	V-6	Gasoline	Ford	145
*V	3.4 D	210	I-6	Diesel	Cummins	105-125
X	4.0 EFI	241	V-6	Gasoline	Ford	155-160
9	4.9 EFI G-LPG	300	I-6	Gasoline ^{d/}	Ford	145-150
Y	4.9 EFI	300	I-6	Gasoline	Ford	145-150
N	5.0 EFI	302	V-8	Gasoline	Ford	185
*H	5.8 EFI	351	V-8	Gasoline	Ford	200
M	7.3 D	445	V-8	Diesel	Navistar	160-180
*G	7.5 EFI	460	V-8	Gasoline	Ford	230

LIGHT/MEDIUM/HEAVY TRUCK (with GVW Ratings over 11,000 pounds)

Gasoline/LPG	Displacement	CID	Cylinders	Fuel	Manufacturer	Memo: Gross H.P. Range
H	6.1 2V	370	V-8	Gasoline	Ford	164-207
K	7.0 4V	429	V-8	Gasoline	Ford	213-234
J	7.0 EFI	429	V-8	Gasoline	Ford	235
8	7.0 LPG	429	V-8	LPG	Ford	213-234
G	7.5 EFI	460	V-8	Gasoline	Ford	265

Diesel

Diesel	Displacement	CID	Cylinders	Basic Model No.	Manufacturer	H.P. Range
P	6.6	403	I-6	Turbo	Ford	160-185
M	7.3	445	V-8	7.3L	Navistar	165-185
A	7.8	474	I-6	Turbo	Ford	185-270
*L	10.0	611	I-6	L-10	Cummins	240-330
S	10.0	611	I-6	3176	Caterpillar	250-325
T	10.5	638	I-6	3306B	Caterpillar	285-300
*B	11.1	677	I-6	DDC-60	Detroit Diesel	320-425
R	14.0	855	I-6	N14	Cummins	310-460
W	14.0	855	I-6	NTC	Cummins	300-444
*X	14.6	893	I-6	3406	Caterpillar	310-460

DELETE ENGINE (applicable to all three groups above)

0 (Zero) DSO Glider - Delete Engine on motor vehicle equipment only.

^{a/} "HSC" means high swirl combustion. "LPG" means liquefied petroleum gas. "TC/IC" means turbocharged and intercooled. "TC" means turbocharged. "SHO" means super high output. "SC" means supercharged. "HSO" means high specific output. "EFI" means Electronic Fuel Injection. "DOHC" means Double Overhead Camshaft.

^{b/} Engine used only for Mustang and Mark VII and differs from passenger car "F" and "T" code engines.

^{c/} Engine used only for Thunderbird and Cougar and differs from passenger car "E" and "F" code engines.

^{d/} Engine suitable for LPG conversion. Leaves Ford Assembly Plant as a gasoline engine.

*Revised August 17, 1990 (H.P. values added/revised)