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01-22-NHB-3718

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

Ford Motor Company
330 Town Center Drive
Dearborn, Michigan 48126

June 4, 1990

18 pgs

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RECEIVED
NHTSA DOCKET

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

Attention: VIN Coordinator

Re: 1990 Model Year Vehicle Identification Number Codes - Amendments
Revision No. 1

References:
1. My July 17, 1989 Letter on "1990 Model Year Vehicle Identification Number Codes"
2. My letter to the Honorable Jerry R. Curry dated March 23, 1990 regarding the lack of availability of passenger-side airbags on 1990 model Lincoln Town Cars and Lincoln Continentals (attached)

Ford Motor Company is submitting 1990 model VIN code information changes regarding:

(1) revisions to reflect that the Scorpio and Laser carlines and the Courier truck were not offered for the 1990 model year;

(2) a notation regarding the restraint system type code (VIN position #4) for passenger cars indicating that due to a passenger-side airbag supplier shortage, Lincoln Continental and Town Car vehicles built from March 16, 1990 through March 27, 1990 used the "L" code but were in fact not equipped with right front passenger airbags. Some vehicles may be retrofitted at owner expense with passenger airbags at a later date;

(3) re-designation of the 1990½ model year Escort and Tracer models to the 1991 model year designation;

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(4) addition of an optional nameplate for the Lincoln Mark VII (Special Edition);

(5) re-designation of the Continental base series as the "Executive" series;

(6) revisions to the Light Truck (Table V) and the Light/Medium/Heavy Incomplete Vehicles and Trucks (Table VI) listings based upon whether the GVWR of the 1990 model year vehicle was 11,000 pounds or less (Table V) or over 11,000 pounds (Table VI);

(7) deletion of Light/Medium/Heavy Incomplete Vehicle and Truck codes (Table VI - codes K80, S80, U80, Y80, R80 and W80) for vehicles which were not produced for the 1990 model year; and

(8) revisions to Engine VIN codes (Table VII) to reflect the above noted changes. Also, horsepower values were added or revised as required. In addition, a new Heavy Truck diesel engine was added (code "B" - 11.1L engines).

Attached is a complete VIN package consisting of:

- pages 1-9, 11 and 13-14 dated June 4, 1990 incorporating the above changes and superceding these same pages of our previous 1990 transmittal dated July 17, 1989; and

- attached pages 10 and 12 dated July 17, 1989 which remain unchanged from our July 17, 1989 transmittal.

This information is submitted pursuant to the requirements set forth in 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,

R. H. Munson

Attachments

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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

March 23, 1990

The Honorable Jerry R. Curry
Administrator
National Highway Traffic
Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear General Curry:

This is to inform you of actions Ford is taking in response to a lack of availability of supplemental passenger-side air bags on our 1990 model Lincoln Town Cars and Lincoln Continentals because of a disruption in the supply of propellant used in the passenger-side air bag inflators.

On March 15, 1990, Ford was informed that SABAG INC., the sole supplier of the propellant used to produce the inflator module in passenger-side air bags on our 1990 model year Lincoln Town Car and Lincoln Continental, had a flash fire in their propellant mixing and grinding facility in McMasterville, Quebec. The Canadian authorities have suspended the SABAG INC. operations pending completion of an investigation of the incident and a review of the manufacturing process. A resumption of production is not expected for at least four to eight weeks. The production suspension has resulted in a lack of availability of supplemental passenger-side air bags for the Lincoln Town Car and Continental passenger cars. The supplemental driver-side air bag is not affected because a different propellant source is involved.

Because we have no reasonable assurance of when SABAG INC. will resume production, Lincoln Town Cars and Continentals currently are being produced and stored without passenger-side air bags pending availability of parts needed to modify the vehicles for sale without passenger-side air bags. Our intent is to continue to produce these vehicles and when appropriately modified to begin shipping them to dealers without passenger-side air bags until an inventory of air bag assemblies is available. Town Cars and Continentals built without the passenger-side air bag will have a finish panel covering the opening in the instrument panel where the passenger-side air bag would have been located.

Lincoln Town Cars and Continentals are equipped with seat belts in all designated seating positions and comply with all applicable Federal Motor Vehicle Safety Standards (FMVSS) without the passenger-side supplemental air bags installed.

The Company has informed dealers that Lincoln Town Cars and Lincoln Continentals produced after March 17, 1990 do not contain supplemental passenger-side air bags. Also, a notification will be placed on a visor sleeve and in the owner guide of each Town Car and Continental not equipped with passenger-side air bags. Purchasers of these vehicles will also be sent letters following their purchases explaining the situation.

The interruption in the supply of propellant may also affect the availability of supplemental passenger-side air bag replacement modules for repair of units in the field. Ford is attempting to obtain the units that may be in the hands of the supplier for that purpose. We believe, however, the supply is extremely limited.

Should developments warrant, I will keep you informed.

Sincerely,

R. H. Munson

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

I. - World Manufacturer Identifiers (WMI) - (VIN Positions 1, 2, and 3)

VIN CODE	Vehicle Manufacturer	Make	Type
1 F A	Ford Motor Company, USA	Ford	Passenger Car
1 F M	Ford Motor Company, USA	Ford	MPV a/
1 F T	Ford Motor Company, USA	Ford	Truck (Complete Vehicle)
1 F D	Ford Motor Company, USA	Ford	Incomplete Vehicle
1 F C	Ford Motor Company, USA	Ford	Basic (Stripped) Chassis
1 F B	Ford Motor Company, USA	Ford	Bus
1 F F	Ford Motor Company, USA	Ford	Motor Vehicle Equipment Without Engine/Powertrain (Glider)
1 M E	Ford Motor Company, USA	Mercury	Passenger Car
1 M H	Ford Motor Company, USA	Mercury	Incomplete Vehicle
1 L N	Ford Motor Company, USA	Lincoln	Passenger Car
1 L J	Ford Motor Company, USA	Lincoln	Incomplete Vehicle
1 Z V	Mazda Motor Manufacturing (USA) Corp.	Ford	Passenger Car
2 F A	Ford Motor Company of Canada, Ltd.	Ford	Passenger Car
2 F M	Ford Motor Company of Canada, Ltd.	Ford	MPV a/
2 F T	Ford Motor Company of Canada, Ltd.	Ford	Truck (Complete Vehicle)
2 F D	Ford Motor Company of Canada, Ltd.	Ford	Incomplete Vehicle
2 F C	Ford Motor Company of Canada, Ltd.	Ford	Basic (Stripped) Chassis
2 F B	Ford Motor Company of Canada, Ltd.	Ford	Bus
2 F F	Ford Motor Company of Canada, Ltd.	Ford	Motor Vehicle Equipment Without Engine/Powertrain (Glider)
2 M E	Ford Motor Company of Canada, Ltd.	Mercury	Passenger Car
2 M H	Ford Motor Company of Canada, Ltd.	Mercury	Incomplete Vehicle
3 F A	Ford Motor Company S. A. de C. V. (Mexico)	Ford	Passenger Car
3 F C	Ford Motor Company S. A. de C. V. (Mexico)	Ford	Basic (Stripped) Chassis
3 M A	Ford Motor Company S. A. de C. V. (Mexico)	Mercury	Passenger Car
9 B F b/	Ford Brasil, S. A.	Ford	Incomplete Vehicle (Truck) (Imported Cargo)
K N J	Kia Motors Inc., Korea	Ford	Passenger Car (Imported Festiva)
*W/F/Z c/	Ford/Werke//A/G//Wesel/Germany	Merkur	Passenger/Car (Imported/Sedrio)
*J/C/Z d/	Mazda/Motor/Corporation//Japan	Ford	Passenger/Car (Imported/Laser)
*J/C/Z e/	Mazda/Motor/Corporation//Japan	Ford	Truck/(Complete/Vehicle/Certificated/Manufacturer) (Imported/Courier)

a/ "MPV" means Multipurpose Passenger Vehicle.

b/ Additional VIN element coding for the imported Cargo is listed on Page 12.

*c/ ///Additional/VIN/element/coding/for/the/imported/Merkur/Sedrio/is/listed/on/Page/3/

*d/ ////Additional/VIN/element/coding/for/the/imported/Laser/(not/for/sale/in/the/30/state/s) /////is/listed/on/Page/13/

*e/ ////Additional/VIN/element/coding/for/the/imported/Courier/(not/for/sale/in/the/30 //////state/s)//is/listed/on/Page/14/

*Revised June 4, 1990 (Scorpio and Laser carlines and the Courier truck were not offered for the 1990 Model Year.)

June 4, 1990

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

IIa. - Restraint System Type for Passenger Cars Only - (VIN Position 4)

VIN Code	Passenger Car Identifiers
B	Active Belts (all designated seating positions)
P	Passive Belts (front)/Active Belts (rear)
C	Active Belts (all designated seating positions) plus Driver Air Bag
*L	Active Belts (all designated seating positions with 3-point belts in all outboard positions) plus Driver and Passenger Air Bags

IIb. - Brake System and GVWR Class for Trucks and MPV's - - Brake System (only)** for Buses and Incomplete Vehicles - (VIN Position 4)

BRAKE SYSTEM	GVWR CLASS	GVWR RANGE	VIN CODE
Hydraulic	Class A:	Not greater than 3,000 pounds . .	A
Hydraulic	Class B:	3,001-4,000 pounds	B
Hydraulic	Class C:	4,001-5,000 pounds	C
Hydraulic	Class D:	5,001-6,000 pounds	D
Hydraulic	Class E:	6,001-7,000 pounds	E
Hydraulic	Class F:	7,001-8,000 pounds	F
Hydraulic	Class G:	8,001-8,500 pounds	G
Hydraulic	Class G:	8,501-9,000 pounds	H
Hydraulic	Class H:	9,001-10,000 pounds	J
Hydraulic	Class 3:	10,001-14,000 pounds	K
Hydraulic	Class 4:	14,001-16,000 pounds	L
Hydraulic	Class 5:	16,001-19,500 pounds	M
Hydraulic	Class 6:	19,501-26,000 pounds	N
Hydraulic	Class 7:	26,001-33,000 pounds	P
Hydraulic	Class 8:	33,001-55,000 pounds	R
Hydraulic	Class 8:	55,001 pounds and over	S
Air	Class 3:	10,001-14,000 pounds	T
Air	Class 4:	14,001-16,000 pounds	U
Air	Class 5:	16,001-19,500 pounds	V
Air	Class 6:	19,501-26,000 pounds	W
Air	Class 7:	26,001-33,000 pounds	X
Air	Class 8:	33,001-55,000 pounds	Y
Air	Class 8:	55,001 pounds and over	Z

**NOTE: GVWR class as shown is not applicable to buses and incomplete vehicles.

III. Ford Passenger Car Identifiers (VIN Position 5)

VIN Code	DESIGNATION
P	"Ford" Make
M	"Lincoln" or "Mercury" Make
T	All passenger cars imported from outside North America or non-Ford built passenger cars marketed by Ford in North America

*Revised June 4, 1990 (Due to a passenger side airbag supplier shortage, Lincoln Continental and Town Car vehicles built from March 16, 1990 through March 27, 1990 used the "L" code but were in fact not equipped with right front passenger airbags. Some vehicles may be retrofitted at owner expense with passenger airbags at a later date.)

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

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

VIN CODE	Car Line	Series	Add'l Optional Exterior Nameplates	Body Type	Body Code
MAKE - FORD					
05	Festiva	L		2-Dr. Sedan Hatchback	DA
06	Festiva	L Plus		2-Dr. Sedan Hatchback	DA
07	Festiva	LX		2-Dr. Sedan Hatchback	DA
*[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
*[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
*[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
*[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
*[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
20	Probe	GL		2-Dr. Sedan Hatchback	DA
21	Probe	LX		2-Dr. Sedan Hatchback	DA
22	Probe	GT		2-Dr. Sedan Hatchback	DA
30	Tempo	L 1/	AWD 1/	2-Dr. Sedan	BA
31	Tempo	GL	AWD 1/	2-Dr. Sedan	BA
33	Tempo	GLS		2-Dr. Sedan	BA
34	Tempo	All Wheel Drive 1/		2-Dr. Sedan	BA
35	Tempo	L 1/	AWD 1/	4-Dr. Sedan	FC
36	Tempo	GL	AWD 1/	4-Dr. Sedan	FC
37	Tempo	LX		4-Dr. Sedan	FC
38	Tempo	GLS		4-Dr. Sedan	FC
39	Tempo	All Wheel Drive		4-Dr. Sedan	FC
40	Mustang	LX	5.0L	2-Dr. Sedan	BA
41	Mustang	LX	5.0L	2-Dr. Sedan Hatchback	DA
42	Mustang	GT		2-Dr. Sedan Hatchback	DA
44	Mustang	LX	5.0L	2-Dr. Sedan Convertible	BA
45	Mustang	GT		2-Dr. Sedan Convertible	BA
50	Taurus	L		4-Dr. Sedan	FC
52	Taurus	GL		4-Dr. Sedan	FC
53	Taurus	LX		4-Dr. Sedan	FC
54	Taurus	SHO		4-Dr. Sedan	FC
55	Taurus	L		4-Dr. Station Wagon	FF
57	Taurus	GL		4-Dr. Station Wagon	FF
58	Taurus	LX		4-Dr. Station Wagon	FF
60	Thunderbird	Standard		2-Dr. Sedan	BA
62	Thunderbird	LX		2-Dr. Sedan	BA
64	Thunderbird	Super Coupe		2-Dr. Sedan	BA
72	Ford	LTD Crown Victoria S		4-Dr. Sedan	FA
73	Ford	LTD Crown Victoria		4-Dr. Sedan	FA
74	Ford	LTD Crown Victoria LX		4-Dr. Sedan	FA
76	Ford	LTD Crown Victoria		4-Dr. Station Wagon	FF
77	Ford	LTD Crown Victoria LX		4-Dr. Station Wagon	FF
78	Ford	LTD Country Squire		4-Dr. Station Wagon	FF
79	Ford	LTD Country Squire LX		4-Dr. Station Wagon	FF
90	Escort (1990)	Pony		2-Dr. Sedan Hatchback	DA
91	Escort (1990)	LX		2-Dr. Sedan Hatchback	DA
93	Escort (1990)	GT		2-Dr. Sedan Hatchback	DA
95	Escort (1990)	LX		4-Dr. Sedan Hatchback	HC
98	Escort (1990)	LX		4-Dr. Station Wagon	FF

1/ Canada Only.

*Revised June 4, 1990 (The 1990½ MY designation for the Escort was cancelled. The new model Escort vehicles were subsequently re-designated as 1991 MY vehicles.)

1990 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 - MERCURY					
*1Ø	[illegible]	[illegible]		[illegible]	[illegible]
*14	[illegible]	[illegible]		[illegible]	[illegible]
*13	[illegible]	[illegible]		[illegible]	[illegible]
30	Topaz	L 1/	All Wheel Drive	2-Dr. Sedan	BA
31	Topaz	GS	All Wheel Drive	2-Dr. Sedan	BA
33	Topaz	XR5	All Wheel Drive	2-Dr. Sedan	BA
35	Topaz	L 1/	All Wheel Drive	4-Dr. Sedan	FC
36	Topaz	GS	All Wheel Drive	4-Dr. Sedan	FC
37	Topaz	LS	All Wheel Drive	4-Dr. Sedan	FC
38	Topaz	LTS	All Wheel Drive	4-Dr. Sedan	FC
50	Sable	GS		4-Dr. Sedan	FC
53	Sable	LS		4-Dr. Sedan	FC
55	Sable	GS		4-Dr. Station Wagon	FF
58	Sable	LS		4-Dr. Station Wagon	FF
60	Cougar	LS		2-Dr. Sedan	BA
62	Cougar	XR-7		2-Dr. Sedan	BA
74	Grand Marquis	GS		4-Dr. Sedan	FA
75	Grand Marquis	LS		4-Dr. Sedan	FA
78	Grand Marquis	Colony Park GS		4-Dr. Station Wagon	FF
79	Grand Marquis	Colony Park LS		4-Dr. Station Wagon	FF

1/ Canada only.

*Revised June 4, 1990 (The 1990½ model year designation for the Tracer was cancelled. The new model Tracer vehicles were subsequently re-designated as 1991 model year vehicles.)

1990 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//MERKUR					
*8Y7[a]//Sport		Wagon/Premium		4/Dr//Sedan/Hatchback	WC
MAKE - LINCOLN					
*81[b]	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	Special Edition	2-Dr. Coupe	BA
*97	Continental	(Base)/Executive		4-Dr. Sedan	FC
98	Continental	Signature	50th Ann. Edtn.	4-Dr. Sedan	FC

*Footnotes/Lregarding/duplicate/VIN/codes:

*a/ Improved/Merkur/Scorpio/manufactured/in/Germany/West/Germany/for/sale/in the/U/S//and/Canada/(VIN/code/8Y)/
*b/ Lincoln/Town/Car/manufactured/in/Wixom//Michigan/for/sale/in/the/U/S//and Canada/(VIN/code/8Y)/

*Revised June 4, 1990 (Scorpio carline not offered for the 1990 model year; clarifying footnotes no longer required, optional nameplate for Mark VII added; Continental base series re-designated as "Executive" series on 4/17/90).

V. 1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

Line, Series, Chassis, Cab Type or Body Type for Trucks, Multipurpose Passenger Vehicles (MPV's), Buses, and Incomplete Vehicles (IV's) with GVW Ratings of 4990 Kilograms (11,000 Pounds) or less: (VIN Positions 5, 6, and 7)

MAKE - FORD

VIN CODE	Line	Series	Chassis Type	Cab or Body Type	Vehicle Type
U15	Bronco	Custom	4x4	Bronco	MPV
U14	Bronco II	XL	4x4	Bronco II	MPV
U12	Bronco II	XL	4x2	Bronco II	MPV

Memo: One of the following optional exterior nameplates (indicating different trim or equipment levels) may also be affixed to the vehicle in addition to the Bronco or Bronco II nameplate:

. SPORT . XLT . Eddie Bauer

Regular Cab	Super Cab					
R10 /	R14	Ranger	Custom	4x2	Pickup-Regular Cab/Super Cab	Truck
R11 /	R15	Ranger	Custom	4x4	Pickup-Regular Cab/Super Cab	Truck

Memo: One of the following optional exterior nameplates (indicating different trim or equipment levels) may also be affixed to the vehicle in addition to the Ranger nameplate:

.S .XLT .STX

Regular Cab (F)	Super Cab (X) or Crew Cab (W)					
F14 /	X14	F-Series	F150	4x4	Pickup - Regular Cab/Super Cab	Truck
F15 /	X15	F-Series	F150	4x2	Pickup - Regular Cab/Super Cab	Truck
F25 /	X25	F-Series	F250	4x2	Pickup - Regular Cab/Super Cab	Truck
F26 /	X26	F-Series	F250	4x4	Pickup - Regular Cab/Super Cab	Truck
F35 /	X35/W35	F-Series	F350	4x2	Pickup - Regular Cab/Super Cab/ Crew Cab	Truck
F37	-	F-Series	F350	4x2	Regular Cab (Chassis Cab)	IV
F36 /	W36	F-Series	F350	4x4	Pickup - Regular Cab/Crew Cab	Truck
F38	-	F-Series	F350	4x4	Regular Cab (Chassis Cab)	IV
*F47	/////	F-Series	F350	4X2	Regular Cab/Cab/Chassis Cab	IV

Memo: One of the following optional exterior nameplates (indicating different trim or equipment levels) may also be affixed to the vehicle in addition to the F-Series nameplate.

- Custom
- XL (excluding Crew Cab)
- XLT Lariat

Note: Special Order (DSO) units will be coded with the appropriate series VIN codes listed above.

*Revised June 4, 1990 (F-Series Super Duty (Code F47) not available at 11,000 lbs or less)

V. (Cont'd) 1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

Line, Series, Chassis, Cab Type or Body Type for Trucks, Multipurpose Passenger Vehicles (MPV's), Buses, and Incomplete Vehicles (IV's) with GVW Ratings of 4990 Kilograms (11,000 Pounds) or less: (VIN Positions 5, 6, and 7)

MAKE - FORD (Cont'd)

VIN CODE		Line	Series	Chassis Type	Cab or Body Type	Vehicle Type
Standard Length	Extended Length					
A11	A31	Aerostar	XL	4x2	Wagon	MPV
A14	A34	Aerostar	(Base)	4x2	Cargo Van	Truck or IV
A15	A35	Aerostar	(Base)	4x2	Window Van	Truck or IV
A21	A41	Aerostar	XL	4x4	Wagon	MPV
A24	A44	Aerostar	(Base)	4x4	Cargo Van	Truck or IV
A25	A45	Aerostar	(Base)	4x4	Window Van	Truck or IV

Memo: One of the following optional exterior nameplates (indicating different trim levels) may also be affixed to the vehicle in addition to the Aerostar nameplate:

. XLT (Excluding Vans) . Eddie Bauer (Excluding Vans)

Club Wagon	Super Wagon					
E11	-	Club Wagon XL	E150	4x2	Club Wagon	MPV
E21	-	Club Wagon XL	E250	4x2	Club Wagon	MPV or Bus[a]
-	S31	Club Wagon XL	E350	4x2	Super Club Wagon	MPV or Bus[a]

Memo: The following optional exterior nameplate (indicating a different trim level) may also be affixed to the vehicle instead of the Club Wagon XL nameplate:

. XLT

Regular Van	Super Van					
E14 /	S14	Econoline	E150	4x2	Cargo Van - Regular Van/Super Van	Truck or IV
E24 /	S24	Econoline	E250	4x2	Cargo Van - Regular Van/Super Van	Truck or IV
E34 /	S34	Econoline	E350	4x2	Cargo Van - Regular Van/Super Van	Truck or IV
Other						
E37	-	Econoline	E350	4x2	Commercial Cutaway	IV
E30	-	Econoline[b]	E350	4x2	RV Cutaway	IV
E39	-	Econoline[b]	E350	4x2	Commercial Basic (Stripped) Chassis	IV
*E33//////		E¢ønøYinè7//	/E350	/4X2	RV/Basic/(Stripped)/Chassis	/////IV

Memo: The following optional exterior nameplate (indicating a different trim level) may also be affixed to the vehicle in addition to the Econoline nameplate:

* . XL (excludes Commercial Cutaway and Commercial Basic (Stripped) Chassis)

Notes: Special Order (DSO) units will be coded with the appropriate series VIN codes listed above.

[a] Excludes School Bus

* [b] All 1990 model Commercial and/RV Basic (Stripped) Chassis incomplete vehicles are designated by a "1FC" or "2FC" World Manufacturer Identifier (WMI) code. The/RV Basic/(Stripped)/Chassis/is/available/only/on/a/Special/Order/basis.

*Revised June 4, 1990 (Revisions made to coding and footnotes to reflect that the Econoline RV Basic (Stripped) Chassis is not available at 11,000 pounds or less).

VI. 1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION
Line, Series, Chassis, Cab Type

* Ford Light, Medium & Heavy Incomplete Vehicles & Trucks with GVW Ratings Over 11,000 Pounds
(VIN Positions 5, 6, and 7)

VIN CODE/Cab Type	Series/Description
	B, F Series - Diesel
COWL	
J65	B600
J75	B700
K65	F600
K69	F600 Low Profile
K75	F700
K79	F700 Low Profile
K85	F800
	E-Series - Gas or Optional Diesel
CONVENTIONAL	
*E33	E-350 4x2 RV Basic (Stripped) Chassis
	F Series - Gas or Optional Diesel
CONVENTIONAL	
*W36	F/350/4X4/Ref/Cab
F47	F-Super Duty 4x2
F53	Recreational Vehicle (Motorhome Stripped Chassis)-Gasoline Only
F59	Commercial Veh.-Diesel Only (Commercial Stripped Chassis)
F60	F600
F62	F600 Low Profile
K62	F600 Low Profile w/Ford Diesel Option
K64	F600 w/Ford Diesel Option
F70	F700
F72	F700 Low Profile
K72	F700 Low Profile w/Ford Diesel Option
K74	F700 w/Ford Diesel Option
F77	F700 4x4
K77	F700 4x4 w/Ford Diesel Option
F82	F800
K84	F800 w/Ford Diesel Option
G80 (Tandem)	FT800
L90 (Tandem)	FT900 w/Ford Diesel Option
	Add. Opt. Ext. Nameplate
	. Custom Cab

VIN CODE/Cab Type	Series/Description
	L Series - Diesel
CONVENTIONAL	
*K80	L8000
K82	L8000 w/Ford Engine
K90	L9000
V90	LL9000
*S80	LS8000
S82	LS8000 w/Ford Engine
S90	LS9000
*U80/Tandem	LT8000
U82 (Tandem)	LT8000 w/Ford Engine
U90 (Tandem)	LT9000
*Y80/Tandem/Set/Back	LTS8000
Y82 (Tandem Set Back)	LTS8000 w/Ford Engine
Y90 (Tandem Set Back)	LTS9000
A90 (Tandem)	LTL9000
S95	LA9000 (AeroMax L-9000)
Y95 (Tandem Set Back)	LTA9000 (AeroMax L-9000)
	LN Series - Diesel
SHORT CONVENTIONAL	
R72	LN7000 w/Ford Engine
*R80	LN8000
R82	LN8000 w/Ford Engine
R90	LN9000
*W80/Tandem	LNT8000
W82 (Tandem)	LNT8000 w/Ford Engine
W90 (Tandem)	LNT9000
	C Series - Diesel
LOW TILT CAB	
D84	C800
D80	C8000
H80 (Tandem)	CT8000
	Add. Opt. Ext. Nameplate
	* Custom Cab

CL9000, CLT9000 Series (Diesel)

CL9000 Cab Size	CLT9000 Cab Size	Sleeper	Rear Axle Single	Rear Axle Tandem
HIGH TILT CAB				
Z96	64 inch		X	
X96	64 inch			X
Z98	88 inch	X	X	
X98	88 inch	X		X
Z91	110 inch	X	X	
X91	110 inch	X		X

Add. Opt. Ext. Nameplate
* Air Ride Cab

NOTE: Basic (Stripped) Chassis and other Special Order (DSO) units will be coded with the appropriate series VIN codes listed above.

*Revised June 4, 1990 (VIN Code Table Heading clarified; E33 coding relocated to this table from Page 7 because GVW rating is over 11,000 pounds; F-350 4x4 Crew Cab deleted (Code W36) - not offered with GVWR over 11,000 pounds; vehicles with codes K80, S80, U80, Y80, R80 and W80 were not produced for 1990).

VII. 1990 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.
PASSENGER CAR						
H	1.3 EFI	79	I-4	Gasoline	Mazda	63
5	1.6 EFI	98	I-4	Gasoline	Mazda	82
*8	1.8/EFI	110	I-4	Gasoline	Mazda	100
9	1.9 CFI	113	I-4	Gasoline	Ford	90
J	1.9 EFI	113	I-4	Gasoline	Ford	110
C	2.2 EFI	133	I-4	Gasoline	Mazda	110
L	2.2 EFI-TC/IC	133	I-4 (Turbo/I)	Gasoline	Mazda	145
*A	2.3 OHC EFI	140	I-4	Gasoline	Ford	86
X	2.3 HSC EFI	140	I-4	Gasoline	Ford	98
S	2.3 HSO EFI	140	I-4	Gasoline	Ford	100
D	2.5 CFI	153	I-4	Gasoline	Ford	90
*Y	2.9/EFI	177	V-6	Gasoline	Ford	140
U	3.0 EFI	182	V-6	Gasoline	Ford	140
Y	3.0 EFI SHO	182	V-6	Gasoline	Yamaha	220
4	3.8 EFI	232	V-6	Gasoline	Ford	140
R	3.8 EFI SC	232	V-6	Gasoline	Ford	210
E	5.0 EFI HO+[b/]	302	V-8	Gasoline	Ford	225
F	5.0 EFI	302	V-8	Gasoline	Ford	150-160
G	5.8 HO VV	351	V-8	Gasoline	Ford	180
LIGHT TRUCK/MPV						
*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
*X	4.0 EFI	241	V-6	Gasoline	Ford	155-160
9	4.9 EFI G-LPG	300	I-6	Gasoline[c/]	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	210
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)						Memo: Gross H.P. Range
Gasoline/LPG						
H	6.1 2V	370	V-8	Gasoline	Ford	164-207
K	7.0 4V	429	V-8	Gasoline	Ford	213-234
8	7.0 LPG	429	V-8	LPG	Ford	213-234
G	7.5 EFI	460	V-8	Gasoline	Ford	265
Diesel				Basic Model No.		
P	6.6	403	I-6	Turbo	Ford	160-170
M	7.3	445	V-8	7.3L	Navistar	165-185
A	7.8	474	I-6	Turbo	Ford	185-240
N	8.2	500	V-8	8.2L	Detroit Diesel	130-245
L	10.0	611	I-6	L-10	Cummins	240-300
U	10.4	636	V-8	3208	Caterpillar	165-250
W	14.0	855	I-6	NTC	Cummins	300-444
X	14.6	893	I-6	3406	Caterpillar	310-425
T	10.5	638	I-6	3306B	Caterpillar	285-300
S	10.0	611	I-6	3176	Caterpillar	250-325
*B	11.1	677	I-6	DDC-60	Detroit Diesel	320

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.
b/ Engine used only for Mustang and Mark VII and differs from passenger car "F" code engine.
c/ Engine suitable for LPG conversion. Leaves Ford Assembly Plant as a gasoline engine.
*Revised June 4, 1990 (Code 8 (1.8L) engine for the 1990½ Escort/Tracer deleted; also Code V (2.9L) engine for Scorpio deleted - these carlines not offered for 1990 model year; also, HP values added/revised; CID revised for 4.0L light truck engine; heading revised for medium/heavy truck; new diesel engine code (B) added for 11.1L engine.)

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

VII. VIN Check Digit
(VIN Position 9)

See Section 4.3, FMVSS No. 115 and Paragraph 565.4(c) of Part 565. (The check digit must have a value of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 or X.)

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VIII. Vehicle Model Year
(VIN Position 10)

VIN Code	Year
B	1981
C	1982
D	1983
E	1984
F	1985
G	1986
H	1987
J	1988
K	1989
L	1990
M	1991
N	1992
P	1993
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

IX. 1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION
- Plant of Manufacture -
(VIN Position 11)

The plant of manufacture VIN code is designated as follows:

VIN CODE	Vehicle Assembly Plant Name: Location	Plant Production: Passenger Cars	Plant Production: Light Trucks/ MPV's	Plant Production: Medium Heavy Trucks
A	Atlanta: Hapeville, Georgia	X		
B	Oakville: Oakville, Ontario	X		
C	Ontario Truck: Oakville, Ontario		X	
*E	~~Niehl///Cologne//West/Germany~~	X		
F	Dearborn: Dearborn, Michigan	X		
G	Chicago: Chicago, Illinois	X		
H	Lorain: Lorain, Ohio	X	X	
J	IMMSA: Monterrey, Mexico			X
K	Kansas City: Claycomo, Missouri	X	X	
L	Michigan Truck: Wayne, Michigan		X	
N	Norfolk: Norfolk, Virginia		X	
P	Twin Cities: St. Paul, Minnesota		X	
R	Hermosillo: Hermosillo, Mexico	X		
T	Edison: Edison, New Jersey	X		
U	Louisville: Louisville, Kentucky		X	
V	Kentucky Truck: Jefferson County, Kentucky			X
W	Wayne: Wayne, Michigan	X		
X	St. Thomas: Talbotville, Ontario	X		
Y	Wixom: Wixom, Michigan	X		
Z	St. Louis: Hazelwood, Missouri		X	
5	Mazda-Flat Rock: Flat Rock, Michigan	X		
6	Mazda-Kia: Kyung Ki-Do, Korea	X		

X. - Sequential Vehicle Identifiers -
(VIN Positions 12 through 17)

Unique six digit numeric sequence codes are assigned to each passenger car by the vehicle assembly plant of manufacture. Sequence codes for "Ford" make passenger cars may range from 100,001 through 599,999; *sequence numbers for "Lincoln" and "Mercury" make passenger cars may range from 600,001 through 999,999. A six digit alphanumeric sequence code (first digit alpha, last five digits numeric) is assigned for trucks, MPV's, buses and incomplete vehicles.

*Revised June 4, 1990 (Scorpio carline and Merkur make not offered for the 1990 model year).

June 4, 1990

CARGO

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

(VIN Positions 4 through 17)

GVWR Class and Brake System (VIN Position 4):

VIN CODE	GVWR Class		Brake System
N	Class 6:	19,501-26,000 pounds	Hydraulic
P	Class 7:	26,001-33,000 pounds	Hydraulic
R	Class 8:	33,001-55,000 pounds	Hydraulic
W	Class 6:	19,501-26,000 pounds	Air
X	Class 7:	26,001-33,000 pounds	Air
Y	Class 8:	33,001-55,000 pounds	Air

. Line, Series, Chassis, Cab Type and Body Style (VIN Positions 5, 6, and 7):

VIN CODE	Cargo Chassis Cab
H60	CF6000
H70	CF7000
H81	CF8000
H85	CFT8000

. Engine Type (VIN Position 8):

VIN CODE	Displacement Litre	CID	Cylinders	Fuel	Manufacturer	Memo: Net Brake Horsepower
P	6.6	403	I-6	Turbo Diesel	Ford	160-185
A	7.8	474	I-6	Turbo Diesel	Ford	170-270

. VIN Check Digit (VIN Position 9):

See Section 4.3, FMVSS No. 115 and Paragraph 565.4(c) of Part 565. (The check digit must have a value of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or X.)

. Vehicle Model Year (VIN Position 10):

VIN CODE	Year
L	1990

. Plant of Manufacture (VIN Position 11):

VIN CODE	Plant
D	Ipiranga, Brazil

. Production Sequence Number (VIN Positions 12 through 17):

Number is assigned sequentially (M00001-M99999).

July 17, 1989

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LASER

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

(VIN Positions 4 through 17)

. Line (VIN Positions 4 and 5):

VIN CODE	Description
BF	Laser

. Series, Body Type (VIN Positions 6 and 7):

VIN CODE	Series	Additional Optional Exterior Nameplates	Body Type
22	Low	GL, Ghia	4-Door Sedan
23	Low	GL	3-Door Hatchback

. Engine and Restraint System Type (VIN Position 8):

VIN CODE	Engine Displacement Litre	CID	Cylinders	Fuel	Manufacturer	Memo: Net Brake Horsepower
5	1.6	98	4	Gasoline	Mazda Motor Corp.	82 ± 8

and Active Belts (restraint system type)

. VIN Check Digit (VIN Position 9):

See Section 4.3, FMVSS No. 115 and Paragraph 565.4(c) of Part 565. (The check digit must have a value of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or X.)

. Vehicle Model Year (VIN Position 10):

VIN CODE	Year
L	1990

. Plant of Manufacture (VIN Position 11):

VIN CODE	Plant Location
0 (Zero)	Hiroshima, Japan

. Production Sequence Number (VIN Positions 12 through 17):

Number is assigned sequentially (100001 - 999999).

*Revised June 4, 1990 (Laser carline not offered for the 1990 model year).

June 4, 1990

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COURIER

1990 VEHICLE IDENTIFICATION NUMBER (VIN) ELEMENT CODING INFORMATION

(VIN Positions 4 through 17)

. Line, Series, Chassis, Cab Type and Body Style (VIN Positions 4, 5, and 6):

VIN CODE	Courier Pick-Up
UF1	2760mm Wheelbase, 4x2 (Truck)
UA2	2760mm Wheelbase, 4x4 (Truck)

. GVWR Class and Brake System (VIN Position 7):

VIN CODE	GVWR Class	Brake System
1	Class C: 4,001 - 5,000 pounds	Hydraulic 1/
2	Class C: 4,001 - 5,000 pounds	Hydraulic 2/

. Engine Type (VIN Position 8):

VIN CODE	Displacement Litre	CID	Cylinders	Fuel	Manufacturer	Memo: Net Brake Horsepower
3	2.2	133	4	Gasoline	Mazda Motor Corp.	85 ± 8
2	2.6	156	4	Gasoline	Mitsubishi	106 ± 10

. VIN Check Digit (VIN Position 9):

See Section 4.3, FMVSS No. 115 and Paragraph 565.4(c) of Part 565. (The check digit must have a value of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or X.)

. Vehicle Model Year (VIN Position 10):

VIN CODE	Year
L	1990

. Plant of Manufacture (VIN Position 11):

VIN CODE	Plant
0 (Zero)	Hiroshima, Japan

. Production Sequence Number (VIN Positions 12 through 17):

Number is assigned sequentially (500001-999999).

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*~~1/Used/with/the/2.2L/gasoline/engine/~~
~~*2/Used/with/the/2.6L/gasoline/engine/~~
*Revised June 4, 1990 (Courier Truck not offered for the 1990 model year).

June 4, 1990

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