FM Scheiner

VOLVO WHITE

Volvo White Truck Corporation

Greensboro, North Carolina

ORIGINAL

4 pgs

2/17/84
N.E.

B

UPDATE 01-22-N11B-1522

February 8, 1984

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

RECEIVED
'84 MAR 9 PM 1:27
NHTSA
DOCKET
WASHINGTON, D.C. 20590

Subject: Compliance to 49 CFR Part 571.115

Attention: VIN Coordinator

Enclosed per the requirements of FMVSS-115 is an amendment to Volvo White Truck Corporation's VIN Codes for the remainder of the 1984 model year anf for use on 1985 models.

Very truly yours,

VOLVO WHITE TRUCK CORPORATION

J. W. Lawrence
Manager, Compliance and
Recall

JWL/la
Encl.

Postal address
P. O. Box D-1
Greensboro, NC 27402-1200
(919) 272-8355

RECEIVED IN NRM-01
DATE: 2/13 TIME: 8:30

VOLVO WHITE TRUCK CORPORATION
GREENSBORO, NORTH CAROLINA

1984 & 1985 Model Year VIN Codes (Domestic Production)

Postions identified left to right

1. Country of Manufacture:

CODE	DESCRIPTION
1	United States

2. Manufacturer:

CODE	DESCRIPTION
W	Volvo White Truck Corporation P.O. Box D-1 Greensboro, North Carolina 27402-1200

3. Make/Type:

CODE	DESCRIPTION
A	Autocar complete vehicle
B	Autocar incomplete vehicle
* D	Autocar glider
U	White complete vehicle
X	White incomplete vehicle
Y	White glider

4. Model or Line:

CODE	DESCRIPTION
A	White conventional short
B	White conventional medium
C	White conventional long
D	White low cab over
E	White high cab over short
F	White high cab over medium
G	White high cab over long
K	Autocar K short
M	Autocar K medium
L	Autocar K long
P	Autocar DS
R	Autocar C & DC
S	Autocar S
T	Autocar T
U	Autocar DK
X	White conventional sleeper short
Y	White conventional sleeper medium
Z	White conventional sleeper long

* Revised 8/25/83 was "C"

Revised 2/8/84 added "P" & 1985 model year

2

5. Open:
Position 5 is used by Volvo White for internal purposes and consists of alpha and numberic characters.

6. Cab configuration, brake system and GVW class:

CODE	DESCRIPTION Cab Configuration	Brake System	GVW Class
A	Cab behind engine	Air	Class 6
B	Cab behind engine	Air	Class 7
C	Cab behind engine	Air	Class 8
D	COE high mount	Air	Class 7
E	COE high mount	Air	Class 8
F	COE low mount	Air	Class 6
G	COE low mount	Air	Class 7
H	COE low mount	Air	Class 8

7. Engine Manufacturer/Series/Type

CODE	DESCRIPTION Manufacturer	Series	Type
A	Caterpillar	3208	Diesel
B	Caterpillar	3306	Diesel
C	Caterpillar	3406	Diesel
D	Caterpillar	3408	Diesel
H	Cummins	Small V	Diesel
J	Cummins	NTC&F	Diesel
K	Cummins	K	Diesel
L	Cummins	903	Diesel
M	Cummins	L-10	Diesel
S	Detroit Diesel	6-71	Diesel
T	Detroit Diesel	8V-71	Diesel
U	Detroit Diesel	6V-92	Diesel
V	Detroit Diesel	8V-92	Diesel
X	Volvo	TD-212	Diesel
Z	No engine (glider)		

8. Engine horsepower:

CODE	HORSEPOWER RANGE
A	135-164
B	165-194
C	195-224
D	225-274
E	275-324
F	325-374
G	375-424
H	425-474
J	475-524
K	525-574
L	575-625
Z	None (glider)

3

Revised 2/8/84 added "X" in Position 7

9. Check Digit:

The check digit is calculated as required by FMVSS-115.

10. Model Year:

The model year codes are as identified in FMVSS-115.

11. Plant of Manufacture:

CODE	PLANT LOCATION
N	New River Valley, Virginia
U	Ogden, Utah

12to 17 Sequential Serial Numbers.

VEHICLE IDENTIFICATION NUMBER

Federal Motor Vehicle Safety Standard No. 115 Vehicle Identification Number goes into effect with all vehicles manufactured on or after September 1, 1980. This standard specifies requirements for a vehicle identification system to simplify vehicle information retrieval and to reduce the incidence of accidents by increasing the accuracy and efficiency of vehicle defect recall campaigns.

VMI World Manufacturer Identifier			VDS Vehicle Descriptor Section					C D	VIS Vehicle Indicator Section		
1	2	3	4	5	6	7	8	9	10	11	12 - 17

SEQUENCE NUMBER
(Always Numeric)

These six characters represent the number sequentially assigned by the manufacturer in the production process.

ENGINE TYPE	FUEL	CODE
TD60B	"	06B
TD70F	"	07F
TD70FC	"	7FC
TD101GB	"	0A3
TD101F	"	0A4
TD101FA	"	0A5
TD121FA	"	2A5
TD121FB	"	2A6
TD121FC	"	2A7
TD121FE	"	2A8
TD121FF	"	2A9
TD121FG	"	2B1

Other, see table 3

PLANT OF ASSEMBLY	CODE
VOLVO TRUCK CORPORATION	A
VOLVO EUROPA TRUCK NV	B
VOLVO DO BRASIL	E
VOLVO WHITE TRUCK CORP, USA	U

Other, see table 7.

TABLE 2

CAB TYPE	VOLVO DESIGN
Cab over engine HT	H
Cab over engine LT	L
Cab behind engine	N
special products:	
F12 with F7-cab	C
F6 with F7-cab	M
etc	

TABLE 6

MODEL YEAR	CODE		CODE
1980	A	1991	M
1981	B	1992	N
1982	C	1993	P
1983	D	1994	R
1984	E	1995	S
1985	F	1996	T
1986	G	1997	V
1987	H	1998	W
1988	J	1999	X
1989	K	2000	Y
1990	L		

CHECK DIGIT
See table 5

TABLE 1

VEHICLE MANUFACTURER	VEHICLE TYPE	CODE
VOLVO TRUCK CORP S-40508 GÖTEBORG Sweden	Incomplete vehicles	YV5
	Trucks	YV2
VOLVO EUROPA TRUCK NV Smalle Heirweg 8 B-9040 OOSTAKKER Belgium	Incomplete vehicles	YB3
	Trucks	YB1
VOLVO DO BRASIL S A Lateral Direita 2600 80000 CURITIBA Brasil	Trucks	9BV

TABLE 4

Brake/Drive	4x2	4x4	6x2	6x4	6x6	8x2	8x4	8x6	8x8
	Code								
Air brake	A	B	C	D	E	F	G	H	J
Air-hydraulic brake	1	2	3	4	5	6	7	8	9

VIN = VEHICLE IDENTIFICATION NUMBER

5

VEHICLE IDENTIFICATION NUMBER

TABLE 5
CHECK DIGIT

The check digit is determined by carrying out the mathematical computation that is specified below. Assign to each number in the vehicle identification number its actual mathematical value and assign to each letter the value specified for it in table A. Multiply the assigned value for each character in the vehicle identification number by the weight factor specified in table B. Add the resulting product and divide the total by 11. The reminder is the check digit. If the reminder is 10 the check digit is X.

EXAMPLE

VIN-number	Y	V	2	H	1	2	F	A	·	A	A	0	0	2	3	4	5
Assigned value	8	5	2	8	1	2	6	1		1	1	0	0	2	3	4	5
Multiply by weight factor		8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2
		64+	35+	12+	40+	4+	6+	12+	10	+	9+	8+	0+	0+	10+	12+	12+	10=244

Divided by 11
244:11=22 2:11
Check digit = 2 (must be stamped in "CD" square)

TABLE A

A = 1	J = 1	T = 3
B = 2	K = 2	U = 4
C = 3	L = 3	V = 5
D = 4	M = 4	W = 6
E = 5	N = 5	X = 7
F = 6	P = 7	Y = 8
G = 7	R = 9	Z = 9
H = 8	S = 2	

TABLE B

Character	Weight factor
1st	8
2nd	7
3rd	6
4th	5
5th	4
6th	3
7th	2
8th	10
Check digit	0
9th	9
10th	8
11th	7
12th	6
13th	5
14th	4
15th	3
16th	2

TABLE 3
ENGINE TYPE

MANUFACTURER	TYPE	FUEL	CODE
VOLVO KOMP AB	TD40A	Diesel	04A
"-	TD60A	"	06A
"-	TD60B	"	06B
"-	TD60C	"	06C
"-	TD70F	"	07F
"-	TD70FC	"	7FC
"-	TD70FS	"	7FS
"-	TD70G	"	07G
"-	TD100A	"	10A
"-	TD100B	"	10B
"-	TD100C	"	10C
"-	TD100G	"	10G
"-	TD100GA	"	0GA
"-	TD120C	"	12C
"-	TD120D	"	12D
"-	TD120E	"	12E
"-	TD120F	"	12F
"-	TD120FA	"	2FA
"-	TD120FB	"	2FB
"-	TD120FC	"	2FC
"-	TD120G	"	12G
"-	TD120GA	"	2GA
"-	TD101G	"	0A1
"-	TD101GA	"	0A2
"-	TD101GB	"	0A3
"-	TD101F	"	0A4
"-	TD101FA	"	0A5
"-	TD121G	"	2A1
"-	TD121GD	"	2A2
"-	TD121F	"	2A3
"-	TD121FD	"	2A4
"-	TD121FA	"	2A5
"-	TD121FB	"	2A6
"-	TD121FC	"	2A7
"-	TD121FE	"	2A8
"-	TD121FF	"	2A9
"-	TD121FG	"	2B1

TABLE 7

PLANT OF ASSEMBLY	CODE
VOLVO TRUCK CORPORATION	A
VOLVO EUROPA TRUCK NV	B
VOLVO GREAT BRITAIN LTD	C
VOLVO AUSTRALIA PTY LTD	D
VOLVO DO BRASIL	E
SOMA LDA, PORTUGAL	F
VOLVO DEL PERU S A	G
SAIDA S A, MOROCCO	H
SARACAKIS BROTHERS S A, GREECE	J
MARSHALLS (EAST AFRICA) LTD, KENYA	K
V.A.S.A.(VEHICULOS S A), URUGUAY	L
V.S.A. MOTOR DISTRIBUTORS (PTY) LTD, SOUTH AFRICA	M
AUTO COMERCIAL LDA, MOCAMBIQUE	N
ZAMYAD CO LTD. TEHERAN IRAN	P
VOLVO WHITE TRUCK CORP, USA	U
TALLERES GAGO S A, VALENCIA VENEZUELA	V
P.T. ISMAC JI. ANCOL VIII/2 INDONESIA	W

6