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Leyland Vehicles Exports Limited,
Scammell Motors Plant

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8 November 1985

ORIGINAL

Administrator
National Highway Traffic Safety Administration
400 Seventh Street SW
Washington DC 20590
USA

For the attention of the VIN Co-ordinator

01-22-N11B-2091

Dear Sirs

FMVSS - PART 565 - VEHICLE IDENTIFICATION NUMBER

As required by Code of Federal Regulations 49 CFR Part 565 - Vehicle Identification Number, we submit the following information.

World Manufacturer Identifier (WMI) United Kingdom

- WMI CODE : SBS
- MAKE : ON AND OFF ROAD HEAVY DUTY SPECIALISED VEHICLES
- MANUFACTURER : SCAMMELL MOTORS
LEYLAND VEHICLES LIMITED
SCAMMELL MOTORS PLANT
TOLPITS LANE
WATFORD WD1 8QB
HERTS
UK

Also please find enclosed the information necessary to decipher the characters contained in the VIN Code which uniquely identifies each make and type of vehicle manufactured by Scammell Motors, Leyland Vehicles Ltd for sale in the United States of America.

Yours faithfully
Scammell Motors
Leyland Vehicles Limited

K J Holmes
Type Approval Co-ordinator
KJH/N3/4



**DESIGNATION OF CHARACTERS WITHIN STRUCTURE OF VEHICLE
IDENTIFICATION NUMBER (VIN CODE) FOR UNITED STATES OF AMERICA**

The VIN Code comprises 17 Characters in total to be selected from the following groupings of symbols.

- a) 1st Section WMI, World Manufacturer Identifier
incorporating Make and Class of
Vehicle (3 Characters)

NO	FEATURE	SYMBOL	INFORMATION
1	Geographic Area	S	Europe
2	Country	B	Great Britain
3	Manufacturers, Make and Class of Vehicle	S	SCAMMELL MOTORS LEYLAND VEHICLES EXPORTS LTD TOLPITS LANE WATFORD HERTS, WD1 8QB MAKE - Scammell CLASS - Trucks and Incomplete Vehicles



b) 2nd Section - VDS, Vehicle Descriptor Section
(5 Characters)

NO	FEATURE	SYMBOL	INFORMATION
4	Model Line and Series	A M H	S26 (Cab over Engine) Model Line : - Lightweight series - Middleweight series - Heavyweight series
5	Wheel plan	2 3 4 5 6 7 8 9	8x2-4 Axles, 2 Steering, 1 Driving 4x4-2 Axles, 1 Steering, 1 Driving 4x2-2 Axles, 1 Steering, 1 Driving 6x2-3 Axles, 2 Steering, 1 Driving 6x4-3 Axles, 1 Steering, 2 Driving 6x6-3 Axles, 1 Steering, 3 Driving 8x4-4 Axles, 2 Steering, 2 Driving 8x6-4 Axles, 2 Steering, 3 Driving
6	Application and Brake System	A D H T	Chassis/Cab with Air Brakes designed for : - Truck Tractor (Artic) - Drawbar - Rigid Haulage - Tipper/Dumper
7	Engine Type	A B C D E F	Diesel Engine : bhp/ net - Cummins LT10-250 234 - Cummins LTA10-290 274 - Cummins NTC 320 304 - Cummins NTC 350 334 - Cummins NTC 380 364 - Cummins NTC 400 384



b) 2nd Module - continued

NO	FEATURE	SYMBOL	INFORMATION
8	Cab type and Hand of Drive	P X M N S T R Z	Leyland C51 Cab system RHD, Low mounted, Day LHD, Low mounted, Day RHD, High mounted, Day LHD, High mounted, Day RHD, Low mounted, Sleeper LHD, Low mounted, Sleeper RHD, High mounted, Sleeper LHD, High mounted, Sleeper

c) 3rd Section
(Check Digit)

This 9th Character is determined in accordance with the instructions shown in Appendix No : 1.

d) 4th Section - VIS, Vehicle Indicator Section
(8 Characters)

NO	FEATURE	SYMBOL	INFORMATION
10	Model Year	E F G H J K L	New model year begins 1 August and uses SAE Model Year Codes ie, Aug 1983 to July 1984 = Model Year 1984 (Code E) 1984 1985 1986 1987 1988 1989 1990 etc



d) 3rd Module - continued

NO	FEATURE	SYMBOL	INFORMATION
11	Plant of Manufacture	S	SCAMMELL MOTORS PLANT (address as described in WMI Section)
12 to 17 incl	Chassis Numbers	*	* Selected in sequential order from the Leyland block allocation to Scammell Motors ie 070001-080000

For an example of a Typical USA derived VIN Code see Appendix
No : 2.



APPENDIX NO : 1

METHOD TO DETERMINE "CHECK DIGIT" (9TH CHARACTER)

- a) Assign to each numeral of the vehicle identification number the actual mathematical value of that numeral.
- b) Assign to each letter the mathematical value for that letter as specified in Table 1 below.
- c) Multiply the assigned value for each character of the vehicle identification number by the weight factor set out opposite that character in Table 2 below.
- d) Add together all the numbers obtained under paragraph (c) above and then divide the total by 11.
- e) The fractional portion of the quotient obtained by paragraph (d) above is then multiplied by 11 to give the numerical value for the check digit. This may be from 0 to 9, and should the result mathematically be 10 the check digit shall be the letter X.

TABLE 1 - Letter Values :

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 2 - Character and Weight Factor

1st = 8
2nd = 7
3rd = 6
4th = 5
5th = 4
6th = 3
7th = 2
8th = 10
9th - Check Digit
10th = 9
11th = 8
12th = 7
13th = 6
14th = 5
15th = 4
16th = 3
17th = 2



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EXAMPLE OF METHOD TO DETERMINE "CHECK DIGIT"

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CHARACTER IN NO	S	B	S	M	6	A	F	Z	X	G	S	0	7	0	3	1	1
NUMERICAL VALUE	2	2	2	4	6	1	6	9	-	7	2	0	7	0	3	1	1
MULTIPLIER	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
PRODUCTS	16	14	12	20	24	3	12	90	0	63	16	0	42	0	12	3	2

SUM OF PRODUCTS = 329

DIVIDE BY 11 = 29 10/11

CHECK DIGIT (AT POSITION 9) = 'X' (Remainder being 10) ✓ * / 02

SCAMMELL MOTORS
PRODUCT PLANNING DEPT
13/8/3

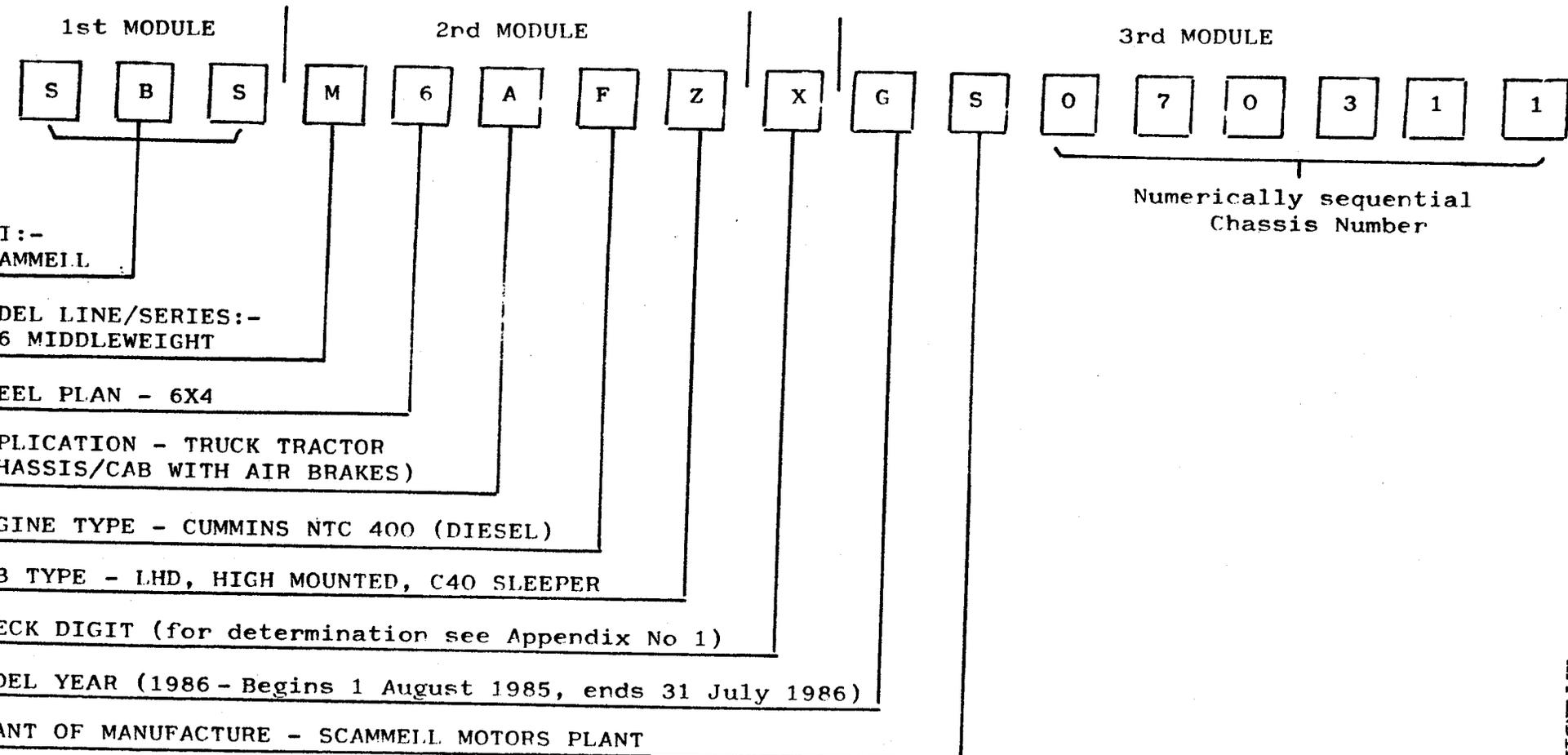
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EXAMPLE OF A U.S.A. DERIVED VIN CODE

APPENDIX NO 2



Leyland Vehicles Exports Limited,
Scammell Motors Plant



SCAMMELL MOTORS
PRODUCT PLANNING DEPT

APPENDIX NO: 2

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