01-22-N11B-3616 9 pgs

B 11/6/89 pdf

6-21 89

Dear Ken

ORIGINAL

I have a plant by Larchwood down to. The units manufactured at the Larchwood down plant. Will have the (11th) # as (L) please make note of this.

Thanks for remembering me this the 2nd of aug is my starting date for putting my vin # on.

Mackey Trailors

Geo mc Carty

B 2/12/90 pdg

VIN "CHECK DIGIT" DECODER

Beginning with the 1981 model year, all vehicles with a GVW rating of 10,000 pounds or less, have a 17 character fixed format VIN, with a check digit within the number. This applies to passenger cars, multi-purpose passenger vehicles, trucks, buses, trailers, incomplete vehicles, and motorcycles. The first three characters of the VIN identify the nation of origin, manufacturer, make and type of vehicle. The next five characters uniquely identify the attributes of the vehicle such as model, body, engine type, and restraint system. The ninth character is the CHECK DIGIT and is intended to verify the accuracy of the VIN. The tenth character represents the vehicle model year; the eleventh represents the plant of manufacture; and the last six characters represent the sequential production number. (See your NATB manual).

The following table and procedure will enable you to decode the VIN's "CHECK DIGIT".

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A	1	M	9	H	B	1	0	2	7	K	A	3	3	6	0	0	2	
B	1	4	9	8	2	1	0	2		2	1	3	3	6	0	0	2	
C	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2	
D	8	28	54	40	8	5	0	20		18	8	21	18	30	0	0	4	

On line "A" enter the 17 digit VIN. On line "B" enter the "assigned value" of each character of the VIN, utilizing table "B", shown below. Multiply the numbers in line "B" by the numbers in line "C", for each of the 17 digits in the VIN. Record the product of each of these seperate computations in the appropriate boxes in line "D". Add together all of the numbers recorded in line "D" and enter the final sum in the space provided. Divide the final sum by the number "11". The remainder of this division is the "CHECK DIGIT" (the 9th character of the 17 digit VIN). If the remainder of this division is a single digit number, then it should match the "CHECK DIGIT" in the VIN exactly; if the remainder is the number "10", then the "CHECK DIGIT" is the letter "X".

Final s

11 | Sum

TABLE "B"

A=1	J=1	T=3	1=1	6=6
B=2	K=2	U=4	2=2	7=7
C=3	L=3	V=5	3=3	8=8
D=4	M=4	W=6	4=4	9=9
E=5	N=5	X=7	5=5	0=0
F=6	P=7	Y=8		
G=7	R=9	Z=9		
H=8	S=2			

Assign to each number in the VIN its actual value and record that value in the appropriate box in line "B".

The letters of "I", "O" & "Q" are never used in the new 17 digit VIN'S.

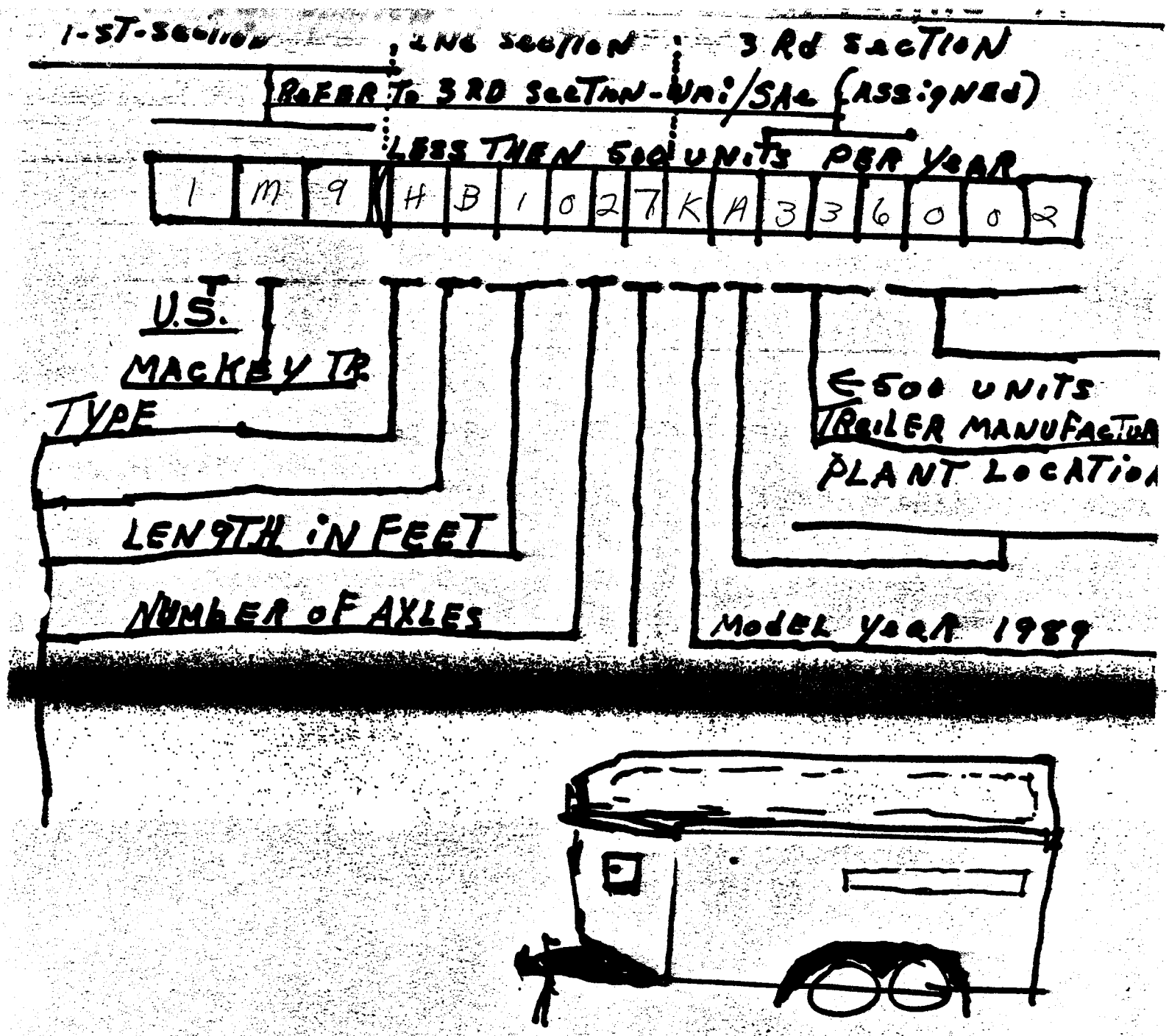
To determine the year of manufacture from the 17 digit VIN (character #10 of the VIN) use the following:

1980=A	1982=C	1984=E	1986=G
1981=B	1983=D	1985=F	1987=H Etc.

Example: 1981 Ford Mustang VIN - 1FABP12A4BR101093 Final Sum = 246

```
      22
11 | 246
     22
     26
     22
      4
```

CHECK DIGIT



MACKEY TRAILERS (602) 921-

B 2/12/90
pds

VIN "CHECK DIGIT" DECODER

Beginning with the 1981 model year, all vehicles with a GVW rating of 10,000 pounds or less, have a 17 character fixed format VIN, with a check digit within the number. This applies to passenger cars, multi-purpose passenger vehicles, trucks, buses, trailers, incomplete vehicles, and motorcycles. The first three characters of the VIN identify the nation of origin, manufacturer, make and type of vehicle. The next five characters uniquely identify the attributes of the vehicle such as model, body, engine type, and restraint system. The ninth character is the CHECK DIGIT and is intended to verify the accuracy of the VIN. The tenth character represents the vehicle model year; the eleventh represents the plant of manufacture; and the last six characters represent the sequential production number. (See your MATB manual).

The following table and procedure will enable you to decode the VIN's "CHECK DIGIT".

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A	1	M	9	C	5	1	2	1	0	K	A	3	3	6	0	0	3	
B	1	4	9	3	2	1	2	1		2	1	3	3	6	0	0	3	
C	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2	
D	8	28	54	15	8	3	4	10		18	8	21	18	30	0	0	6	

On line "A" enter the 17 digit VIN. On line "B" enter the "assigned value" of each character of the VIN, utilizing table "B", shown below. Multiply the numbers in line "B" by the numbers in line "C", for each of the 17 digits in the VIN. Record the product of each of these separate computations in the appropriate boxes in line "D". Add together all of the numbers recorded in line "D" and enter the final sum in the space provided. Divide the final sum by the number "11". The remainder of this division is the "CHECK DIGIT" (the 9th character of the 17 digit VIN). If the remainder of this division is a single digit number, then it should match the "CHECK DIGIT" in the VIN exactly; if the remainder is the number "10", then the "CHECK DIGIT" is the letter "X".

final s

11 | Su

TABLE "B"

A=1	J=1	T=3	1=1	6=6
B=2	K=2	U=4	2=2	7=7
C=3	L=3	V=5	3=3	8=8
D=4	M=4	W=6	4=4	9=9
E=5	N=5	X=7	5=5	0=0
F=6	P=7	Y=8		
G=7	R=9	Z=9		
H=8	S=2			

Assign to each number in the VIN its actual value and record that value in the appropriate box in line "B".

The letters of "I", "O" & "Q" are never used in the new 17 digit VIN'S.

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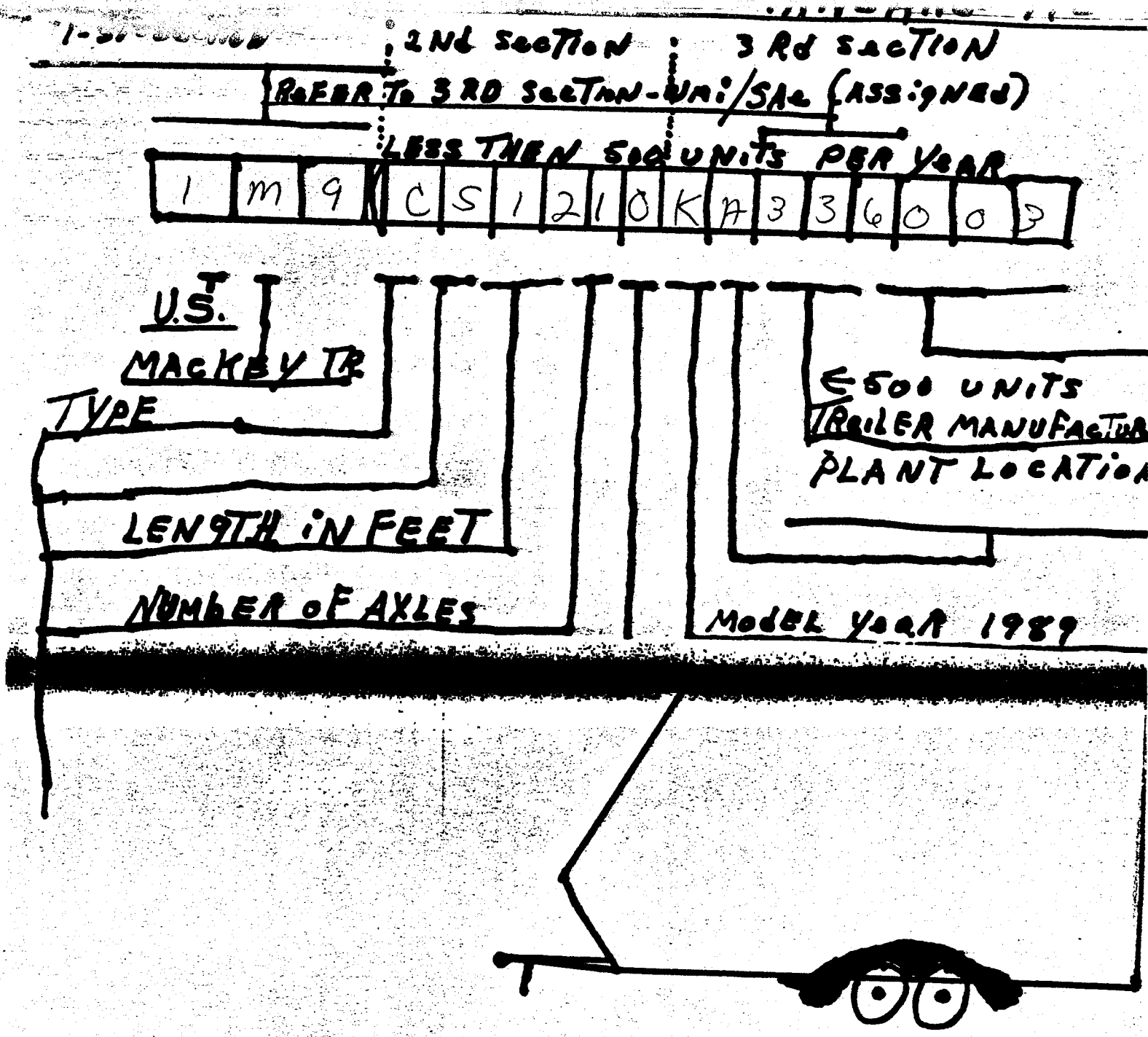
1980=A	1982=C	1984=E	1986=G
1981=B	1983=D	1985=F	1987=H Etc.

Example: 1981 Ford Mustang VIN - 1FABP12A4BR101093 Final Sum = 246

$$11 \overline{)246} \quad 22 \quad 22 \quad 26 \quad 22 \quad 4$$

CHECK DIGIT

4



MACKEY TRAILERS (602) 721-3590

B 2/12/90
pdg

VIN "CHECK DIGIT" DECODER

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The following table and procedure will enable you to decode the VIN's "CHECK DIGIT".

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A	1	M	9	F	S	1	6	2	7	K	A	3	3	6	G	0	1	
B	1	4	9	6	2	1	6	2		2	1	3	3	6	0	0	1	
C	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2	
D	8	28	34	30	8	3	12	20		18	8	21	18	30	0	0	2	

On line "A" enter the 17 digit VIN. On line "B" enter the "assigned value" of each character of the VIN, utilizing table "B", shown below. Multiply the numbers in line "B" by the numbers in line "C", for each of the 17 digits in the VIN. Record the product of each of these separate computations in the appropriate boxes in line "D". Add together all of the numbers recorded in line "D" and enter the final sum in the space provided. Divide the final sum by the number "11". The remainder of this division is the "CHECK DIGIT" (the 9th character of the 17 digit VIN). If the remainder of this division is a single digit number, then it should match the "CHECK DIGIT" in the VIN exactly; if the remainder is the number "10", then the "CHECK DIGIT" is the letter "X".

Final s

11 Su

TABLE "B"

A=1	J=1	T=3	1=1	6=6
B=2	K=2	U=4	2=2	7=7
C=3	L=3	V=5	3=3	8=8
D=4	M=4	W=6	4=4	9=9
E=5	N=5	X=7	5=5	0=0
F=6	P=7	Y=8		
G=7	R=9	Z=9		
H=8	S=2			

Assign to each number in the VIN its actual value and record that value in the appropriate box in line "B".

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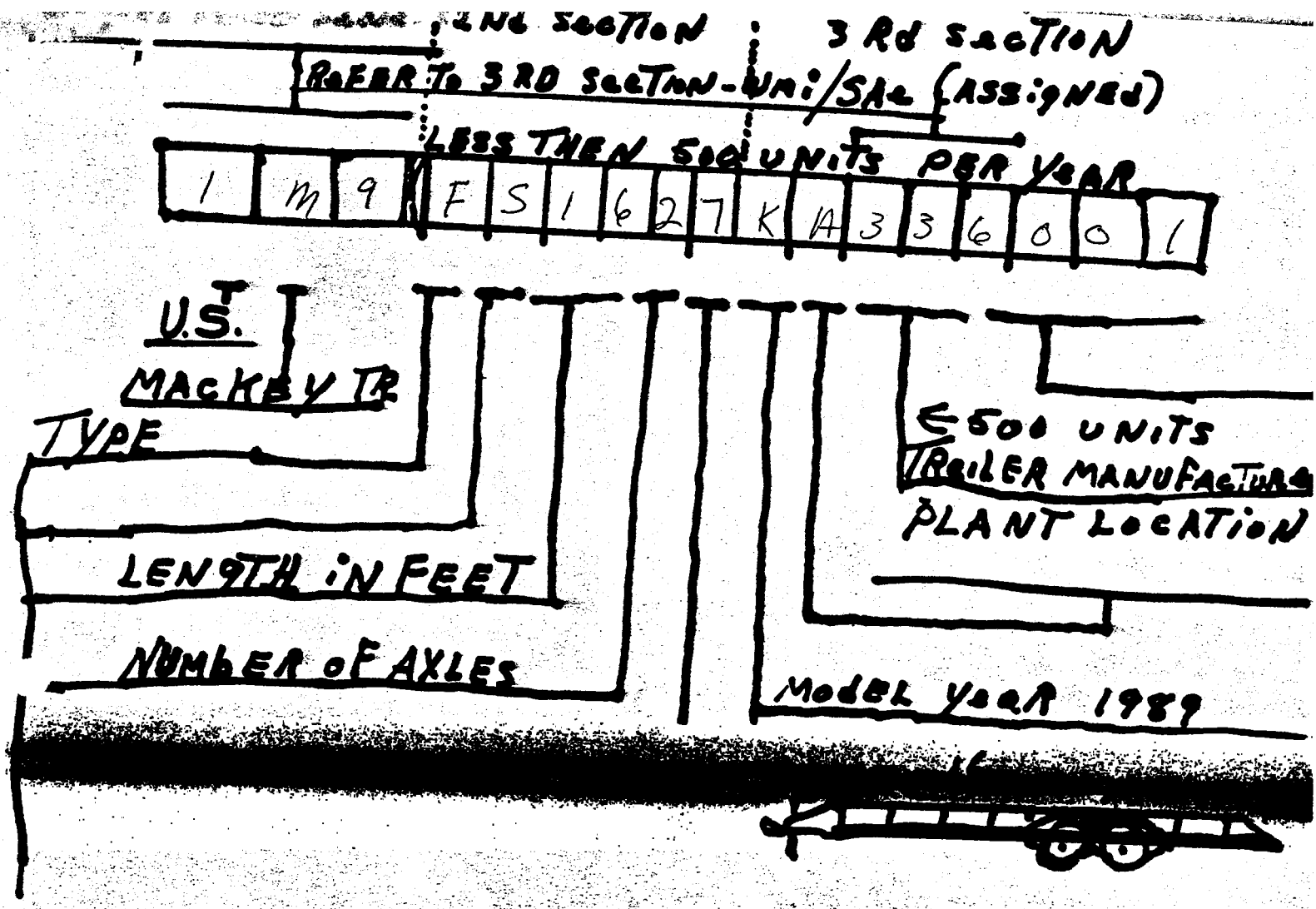
1981=B	1983=D	1985=F	1987=H Etc.

Example: 1981 Ford Mustang VIN - 1FABP12A4BR101093 Final Sum = 246

$$11 \overline{)246} \quad 22 \quad 26 \quad 22 \quad 4$$

CHECK DIGIT 4



MACKEY TRAILERS (602) 981-3570

VIN "CHECK DIGIT" DECODER

Beginning with the 1981 model year, all vehicles with a GVW rating of 10,000 pounds or less, have a 17 character fixed format VIN, with a check digit within the number. This applies to passenger cars, multi-purpose passenger vehicles, trucks, buses, trailers, incomplete vehicles, and motorcycles. The first three characters of the VIN identify the nation of origin, manufacturer, make and type of vehicle. The next five characters uniquely identify the attributes of the vehicle such as model, body, engine type, and restraint system. The ninth character is the CHECK DIGIT and is intended to verify the accuracy of the VIN. The tenth character represents the vehicle model year; the eleventh represents the plant of manufacture; and the last six characters represent the sequential production number. (See your NATB manual).

The following table and procedure will enable you to decode the VIN's "CHECK DIGIT".

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A	1	M	9	F	S	1	2	1		K	4	3	3	6	0	0	7
B	1	4	9	6	2	1	2	1		2	1	3	3	6	0	0	7
C	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
D	8	28	54	30	8	3	4	10		18	8	21	18	30	0	0	14

On line "A" enter the 17 digit VIN. On line "B" enter the "assigned value" of each character of the VIN, utilizing table "B", shown below. Multiply the numbers in line "B" by the numbers in line "C", for each of the 17 digits in the VIN. Record the product of each of these separate computations in the appropriate boxes in line "D". Add together all of the numbers recorded in line "D" and enter the final sum in the space provided. Divide the final sum by the number "11". The remainder of this division is the "CHECK DIGIT" (the 9th character of the 17 digit VIN). If the remainder of this division is a single digit number, then it should match the "CHECK DIGIT" in the VIN exactly; if the remainder is the number "10", then the "CHECK DIGIT" is the letter "X".

Final s

11 Su

TABLE "B"

A=1	J=1	T=3	1=1	6=6
B=2	K=2	U=4	2=2	7=7
C=3	L=3	V=5	3=3	8=8
D=4	M=4	W=6	4=4	9=9
E=5	N=5	X=7	5=5	0=0
F=6	P=7	Y=8		
G=7	R=9	Z=9		
H=8	S=2			

Assign to each number in the VIN its actual value and record that value in the appropriate box in line "B".

The letters of "I", "O" & "Q" are never used in the new 17 digit VIN'S.

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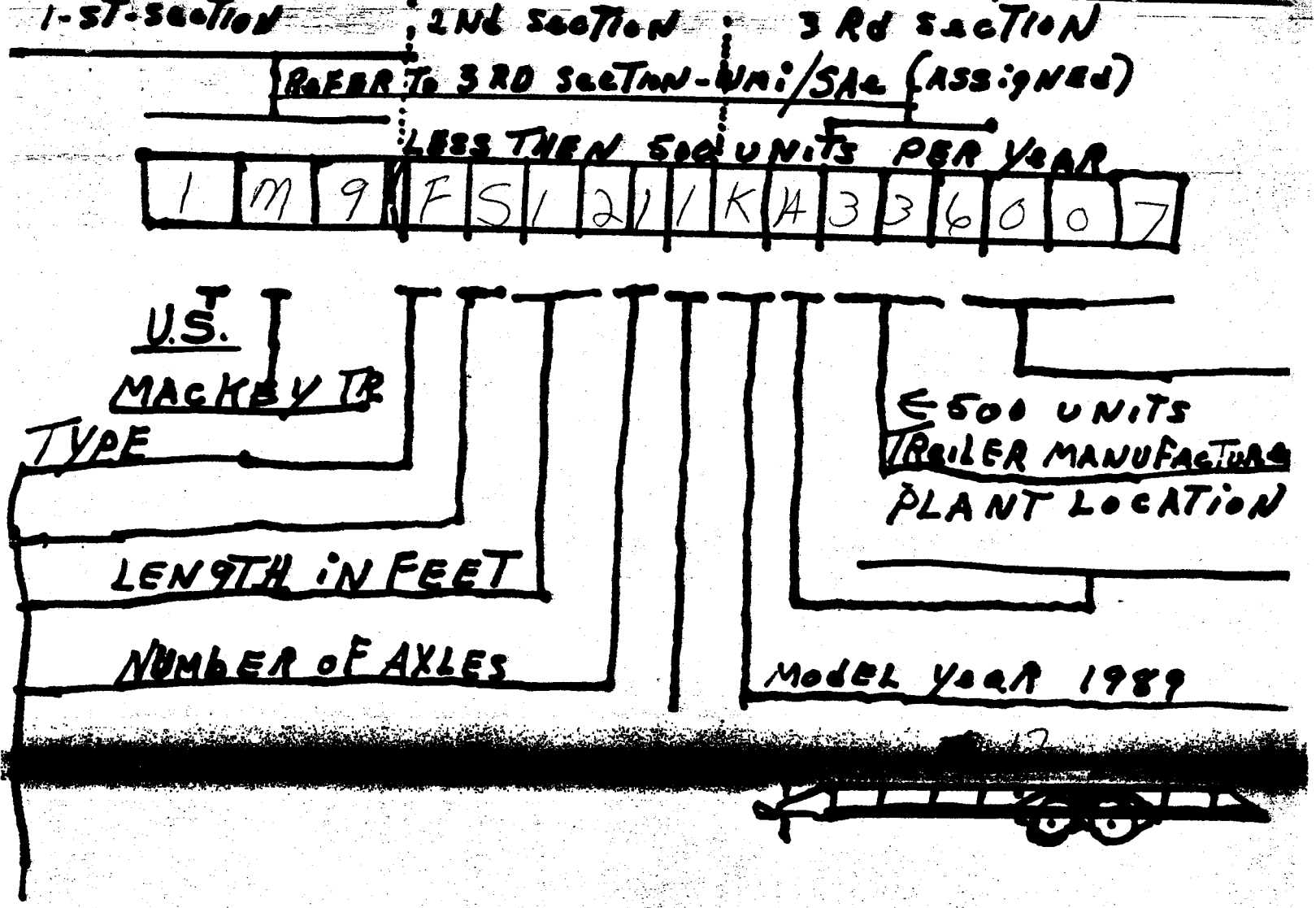
Example: 1981 Ford Mustang VIN - 1FABP12A4BR101093 Final Sum = 246

$$11\overline{)246}\quad 22$$

$$\begin{array}{r} 22 \\ \hline 26 \\ 22 \\ \hline 4 \end{array}$$

CHECK DIGIT



MACKEY TRAILERS (602) 991-3570 ARIZONA