

**ITAWA**  
**TRUCK CORPORATION**

415 East Dundee Street • Ottawa, Kansas 66067 • (913) 242-2200 • Telex 42-0457

ORIGINAL

B 2/5/86 rdg

58

December 17, 1985

01-22-N11B-2218

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

ATTN: VIN Coordinator

Dear Sir:

Ottawa Truck Corporation will begin manufacturing chassis-cab incomplete vehicles for primarily the solid waste (refuse) collection industry.

These chassis-cab and trucks are of a special configuration which when combined with yard tractors we produce for on-highway use will still result in sales of less than 500 per year. Therefore, we submit a revised Vehicle Identification Number System.

The first vehicle will not be available for sale until March 1986 after having been tested to assure meeting the USA Federal Motor Vehicle Safety Standards. The prototype vehicles will be ready for testing in late February 1986. After completion of all tests to verify meeting the FMVSS we will affix a VIN and begin endurance testing in actual working conditions on streets and highways.

In order that we may meet our goals please review the revised system and alert us of any concerns as promptly as possible.

We will interpret no response to be an approval and implement the revised system on March 1, 1986.

Sincerely,

H. Dewey Fry  
Manager of Engineering

enclosure

HDF;dm



EFFECTIVE DATE: February 15, 1986	
DATE ISSUED: December 17, 1985	
SUPERSEDES: May 10, 1985	
NUMBER: E4.0	PAGE 1 OF 4

POLICY AND PROCEDURE

PROCEDURE TITLE:  
Vehicle Identification Numbers (VIN) E4.0

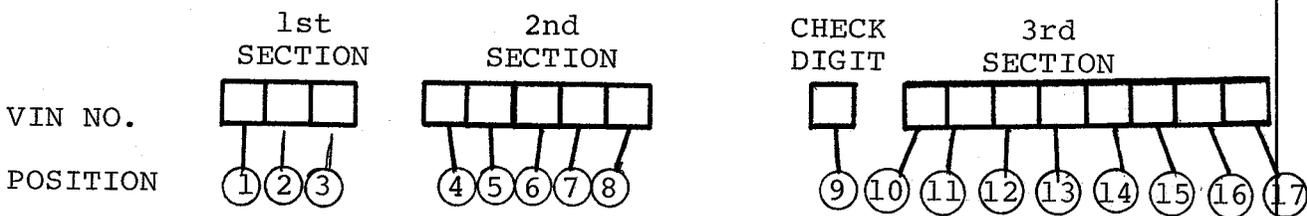
**POLICY:**

This Ottawa Truck Corporation Standard is to be used for the creation of Vehicle Identification Numbers in accordance with 49 CFR 565 and as required by 49 CFR 571.115 which is standard no. 115 of the Federal Motor Vehicle Safety Standards.

The required label which includes the VIN is to be created for and affixed to only those tractors manufactured for ON-HIGHWAY service and meeting all applicable Federal Motor Vehicle Safety Standards.

All VIN's are to be logged into the VIN Journal. All labels are to be issued to Final Assembly for affixing to the tractor.

**PROCEDURE:**



POSITIONS 1, 2, & 3

- ① 1= U.S.A. Manufactured
- ② T= Ottawa Truck Corporation
- ③ 9= Less Than 500 Annually

POSITIONS 4, 5, 6, 7, & 8

- ④ MODEL LINE/SERIES

- A = YT 30
- B = YT 50
- C = YT Ramper
- D = YT 50 ROLOC
- E = YT 60T

ISSUED BY:  Dewey Fry	APPROVED BY:
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TITLE	DATE ISSUED	EFFECTIVE DATE	SUPERSEDES	REVISED	NUMBER	PAGE	OF
Vehicle Identification No.	12/17/85	2/15/85	5/10/85		E4,0	2	4

- F = YT RORO
- G = YT RAILER
- H = MODEL 30
- J = MODEL 50
- K = COMMANDO 30
- L = LOW ENTRY YT
- M = OX (4 Wheel Drive)
- P = Rogue - LERL
- R = Rogue - LEFL
- S = Rogue - LESL
- T = Rogue - LECD
- U = Rogue - LESA

⑤ GROSS VEHICLE WEIGHT RATING & BRAKE SYSTEM TYPE

- A = 20,000 - 29,999 lbs.                      brake system - air
- B = 30,000 - 39,999 lbs.                      "                      "                      "
- C = 40,000 - 49,999 lbs.                      "                      "                      "
- D = 50,000 - 59,999 lbs.                      "                      "                      "
- E = 60,000 - 69,999 lbs.                      "                      "                      "
- F = 70,000 - 79,999 lbs.                      "                      "                      "
- G = 80,000 & ABOVE                              "                      "                      "

⑥ CAB TYPE

- 1 - One Man Tilt Carbon Steel
- 2 - Two Man Tilt Carbon Steel
- 3 - Reverse-'N-Drive Carbon Steel
- 4 - One Man Tilt Stainless Steel
- 5 - One Man Tilt Fiberglass
- 6 - Three Man Carbon Steel
- 7 - Four Man Carbon Steel

⑦ CHASSIS

- 1 - 104" Wheelbase Yard Tractor
- 2 - 110" Wheelbase Yard Tractor
- 3 - 116" Wheelbase Yard Tractor
- 4 - 128" Wheelbase Yard Tractor
- 5 - Special Wheelbase Yard Tractor
- 6 - 4 x 2              Chassis Cab
- 7 - 4 x 4              Chassis Cab
- 8 - 6 x 4              Chassis Cab
- 9 - 6 x 6              Chassis Cab
- 0 - Special Drive-Chassis Cab

⑧ ENGINE TYPE

- A - Detroit Diesel 8.2T Diesel
- B - Detroit Diesel 8.2NA Diesel
- C - Cummins 8V555 Diesel
- D - Caterpillar 3208-175



TITLE	DATE ISSUED	EFFECTIVE DATE	SUPERSEDES	REVISED	NUMBER	PAGE	OF
Vehicle Identification NO.	12/17/85	2/15/86	5/10/85		E4.0	3	4

- E - Caterpillar 3208-210 Diesel
- F - Detroit Diesel 6V53 Diesel
- G - Detroit Diesel 6V53T Diesel
- H - Detroit Diesel 4-53T Diesel
- J - Detroit Diesel 6V-92TTA Diesel
- K - Ford 370 Gasoline
- L - Ford 370 L.P. Gas
- M - Cummins 6BT5.9 Diesel
- N - Cummins 6C 8.3 Diesel
- P - Cummins 6CT 8.3 Diesel
- R - International Harvester DT466 Diesel
- S - Cummins 6BTA5.9
- T - Cummins 6CTA8.3
- U - Cummins L10
- V - Cummins N14
- W - Caterpillar 3208T
- X - Caterpillar 3306B
- Y - Detroit Diesel 6-71T
- Z - Detroit Diesel 6-71TA
- 1 -
- 2 -
- 3 -

POSITION (9) - CHECK DIGIT

The check digit is to be computed for each VIN in accordance with 49 CFR 565.4 utilizing Table III and IV, therein and creating the equivalent of Table V. Tables III and IV are reproduced below for reference.

TABLE III - ASSIGNED 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	
I=9		

TABLE IV VIN POSITION AND WEIGHT FACTORS

1st. . . . .	8	10th. . . . .	.9
2nd. . . . .	7	11th. . . . .	.8
3rd. . . . .	6	12th. . . . .	.7
4th. . . . .	5	13th. . . . .	.6
5th. . . . .	4	14th. . . . .	.5
6th. . . . .	3	15th. . . . .	.4
7th. . . . .	2	16th. . . . .	.3
8th. . . . .	.10	17th. . . . .	.2
9th (check digit). . .	0		

4



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Vehicle Identification NO.	12/17/85	2/15/86	5/10/85		E4.0	4	4

Example Calculations of Check Digit Configuration:

YT 30 with a Detroit Diesel 8.2T Engine and 104" Wheelbase made as the 41st vehicle of 1985

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VIN	1	T	9	A	B	1	1	A	F	A	1	1	V	0	4	1	
ASSIGNED VALUE	1	3	9	1	2	1	1	1	6	1	1	1	5	0	4	1	<del>5</del>
WEIGHT FACTOR	8	7	6	5	4	3	2	100	9	8	7	6	5	4	3	2	
PRODUCTS	8+21+54+5+8+3+2+10+0+54+8+7+6+25+0+12+2 = 245																

Divide sum by 11  $\frac{245}{11} = 23 + 3/11$  remainder is the check digit

Check digit is 3

*check digit should be*

*a 5 per*

Alternate Determination

$$\frac{225}{11} = 23.27$$

*H. Dewey Fry  
1/24/86 pdg*

Decimal Value	Check Digit	Decimal Value	Check Digit
.09 =	1	.55	6
.18 =	2	.64	7
.27 =	3	.73	8
.36 =	4	.82	9
.45 =	5	.91	X

POSITIONS 10 thru 17

POSITION (10) - Vehicle Model Year per Table VI 49CFR 565.4

POSITION (11) - Plant of Manufacture  
A - Ottawa, Kansas  
B -

POSITIONS 12,13, 14

11V = World Manufacturer Identifier Code

POSITIONS 15, 16, 17

Numerical Sequence of Unit Production 001 thru 499.