

check digit calculation. Alphabetical characters are converted to numerical, according to TABLE A values.

TABLE B

B 10/16/90  
pdy

**EXAMPLE:**

ABC Trailers, Inc. builds a flat bed standard series trailer with a 16 foot bed length on two axes at a plant in Cleveland, Ohio. What is the VIN coding for this trailer?

Since ABC manufactures less than 500 units per year, SAE assigned ABC a six digit number as follows: 1A9/347. (1A9 goes in columns 1-3 and 347 goes in columns 12-14) ABC has elected to code body type in column 4, series in column 5, length in columns 6 and 7 and number of axes in column 8. (The characters utilized and their placement are determined by the manufacturer, but must include all required attributes for vehicle type). ABC's coding for vehicle attributes are: Type—F=flatbed, U=utility; Series/body type—S=standard, P=special; Length—actual overall bed length in feet (08, 12, 16, etc.) and number of axes—1=single, 2=tandem, etc. The letter C designates the 1985 model year and ABC uses the letter C for the location of their only plant, in Cleveland.

Recycling Trailer 12'

9 P

**CHECK DIGIT**

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ACTUAL VIN	4	A	E	U	S	1	2	1	C	L	V	W	J	H	0	0	1
CONVERTED VALUES, from TABLE A	4	2	5	4	2	1	2	1	0	3	5	6	1	8	0	0	1
MULTIPLIER (X)	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
PRODUCT (Value x multiplier)	32	14	30	20	8	3	4	10	0	27	42	42	6	40	0	0	2

11 MAR 8 1985  
SUM OF PRODUCTS = 278

RECEIVED  
MITSUBISHI

SUM OF PRODUCTS = 278  
DIVIDED BY 11 = 25 . 27

**ORIGINAL**

TABLE B

NOTE: Numerical characters from actual VIN are used in check digit calculation. Alphabetical characters are converted to numerical, according to TABLE A values.

**EXAMPLE:**

ABC Trailers, Inc. builds a flat bed standard series trailer with a 16 foot bed length on two axes at a plant in Cleveland, Ohio. What is the VIN coding for this trailer?

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Recycling Trailer 14'

**CHECK DIGIT**

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ACTUAL VIN	4	A	E	U	S	1	4	1	7	L	V	W	J	H	0	0	1
CONVERTED VALUES, from TABLE A	4	2	5	4	2	1	4	1	0	3	5	6	1	8	0	0	1
MULTIPLIER (X)	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
PRODUCT (Value x multiplier)	32	14	30	20	8	3	8	10	0	27	40	42	6	40	0	0	2

SUM OF PRODUCTS = 287  
DIVIDED BY 11 = 25 . 63

SUM OF PRODUCTS = 287

Since the check digit calculation for ABC Trailers resulted in a decimal value of .63, Table B shows that the check digit is 3. The value 5, placed in position 9 of the actual VIN, completes the 17 digit VIN requirements.

Retractable TRAILER

CHECK DIGIT

CHARACTER  
ACTUAL VIN  
CONVERTED VALUES  
from TABLE A (below)  
MULTIPLIER (X)  
PRODUCT  
(Value x multiplier)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
4	B	E	U	S	0	8	1	4	L	V	W	J	H	1	2	3
4	2	5	4	2	0	8	1	0	3	5	6	1	8	1	2	3
8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
32	14	30	20	8	0	16	10	0	27	45	42	6	40	4	6	6

= **301** SUM OF PRODUCTS

SUM OF PRODUCTS = **301**  
DIVIDED BY 11 = **27** . **36**

ALPHABETIC TO NUMERIC CONVERSION VALUES

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

TABLE A

IF DECIMAL IS	CHECK DIGIT IS	IF DECIMAL IS	CHECK DIGIT IS
.09 = 1		.54 = 6	
.18 = 2		.63 = 7	
.27 = 3		.72 = 8	
.36 = 4		.81 = 9	
.45 = 5		.90 = X	
		.00 = 0	

TABLE B

NOTE: Numerical characters from actual VIN are used in check digit calculation. Alphabetical characters are converted to numerical, according to TABLE A values.

EXAMPLE:

ABC Trailers, Inc. builds a flat bed standard series trailer with a 16 foot bed length on two axes at a plant in Cleveland, Ohio. What is the VIN coding for this trailer?

Since ABC manufactures less than 500 units per year, SAE assigned ABC a six digit number as follows: 1A9/347. (1A9 goes in columns 1-3 and 347 goes in columns 12-14). ABC has elected to code body type in column 4, series in column 5, length in columns 6 and 7 and number of axles in column 8. (The characters utilized and their placement are determined by the manufacturer, but must include all required attributes for vehicle type). ABC's coding for vehicle attributes are: Type—F=flatbed, U=utility; Series/body type—S=standard, P= special; Length—actual overall bed length in feet (08, 12, 16, etc.) and number of axles—1= single, 2=tandem, etc. The letter F designates the 1985 model year and ABC uses the letter C for the location of their only plant, in Cleveland.

Tow-A-Die!

CHECK DIGIT

CHARACTER  
ACTUAL VIN  
CONVERTED VALUES  
from TABLE A  
MULTIPLIER (X)  
PRODUCT  
(Value x multiplier)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
4	B	E	U	S	0	8	1	1	L	V	W	J	H	0	0	1
4	2	5	4	2	0	8	1	0	3	5	6	1	8	0	0	1
8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
32	14	30	20	8	0	16	10	0	27	45	42	6	40	0	0	2

= **287** SUM OF PRODUCTS

SUM OF PRODUCTS = **287**  
DIVIDED BY 11 = **26** . **09**

Since the check digit calculation for ABC Trailers resulted in a decimal value of .45, Table B shows that the check digit is 5. The value 5, placed in position 9 of the actual VIN, completes the 17 digit VIN requirements.

2

NOTE: Numerical characters from actual VIN are used in check digit calculation. Alphabetical characters are converted to numerical, according to TABLE A values.

TABLE B

**EXAMPLE:**

ABC Trailers, Inc. builds a flat bed standard series trailer with a 16 foot bed length on two axles at a plant in Cleveland, Ohio. What is the VIN coding for this trailer?

Since ABC manufactures less than 500 units per year, SAE assigned ABC a six digit number as follows: 1A9/347. (1A9 goes in columns 1-3 and 347 goes in columns 12-14). ABC has elected to code body type in column 4, series in column 5, length in columns 6 and 7 and number of axles in column 8. (The characters utilized and their placement are determined by the manufacturer, but must include all required attributes for vehicle type). ABC's coding for vehicle attributes are: Type—F=flatbed, U=utility; Series/body type—S=standard, P=special; Length—actual overall bed length in feet (08, 12, 16, etc.) and number of axles—1=single, 2=tandem, etc. The letter F designates the 1985 model year and ABC uses the letter C for the location of their only plant, in Cleveland.

*Recycling Trailer 16'*

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ACTUAL VIN	4	A	E	U	S	1	6	1	0	L	V	W	J	H	0	0	1
CONVERTED VALUES, from TABLE A	4	2	5	4	2	1	6	1	0	3	5	6	1	8	0	0	1
MULTIPLIER (X)	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
PRODUCT (Value x multiplier)	32	14	30	20	8	3	12	10	0	27	40	42	6	40	0	0	2

= 286 SUM OF PRODUCTS

SUM OF PRODUCTS = 286  
 DIVIDED BY 11 = 26 . 00

WHOLE NUMBER: 26  
 DECIMAL: 00

Since the check digit calculation for ABC Trailers resulted in a decimal value of .45, Table B shows that the check digit is 5. The value 5, placed in position 9 of the actual VIN, completes the 17 digit VIN requirements.

*Recycling Trailer 20'*

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ACTUAL VIN	4	A	E	U	S	2	0	2	1	L	V	W	J	H	0	0	1
CONVERTED VALUES, from TABLE A	4	2	5	4	2	2	0	2	0	3	5	6	1	8	0	0	1
MULTIPLIER (X)	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
PRODUCT (Value x multiplier)	32	14	30	20	8	6	0	20	0	27	40	42	6	40	0	0	2

= 287 SUM OF PRODUCTS

SUM OF PRODUCTS = 287  
 DIVIDED BY 11 = 26 . 09

WHOLE NUMBER: 26  
 DECIMAL: 09

Since the check digit calculation for ABC Trailers resulted in a decimal value of .45, Table B shows that the check digit is 5. The value 5, placed in position 9 of the actual VIN, completes the 17 digit VIN requirements.

# **GENEVA** PRODUCTS

presents

## *A Unique Recycling Option with No New Truck Purchase*

**A practical answer to today's recycling needs.**

### **NATIONAL MANUFACTURING**

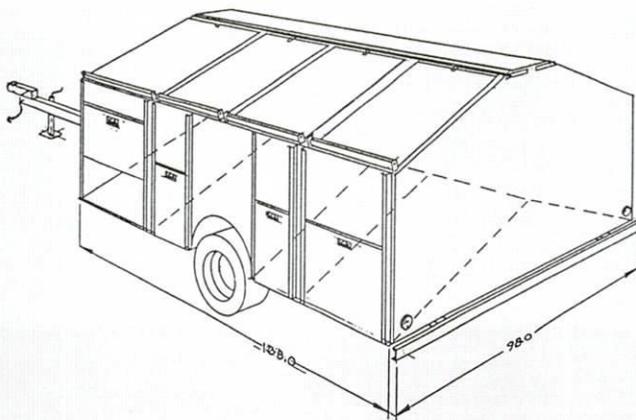
675 12th Ave. S.E.  
Valley City, ND 58072

**BULK RATE**  
U.S. Postage  
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Valley City, ND 58072

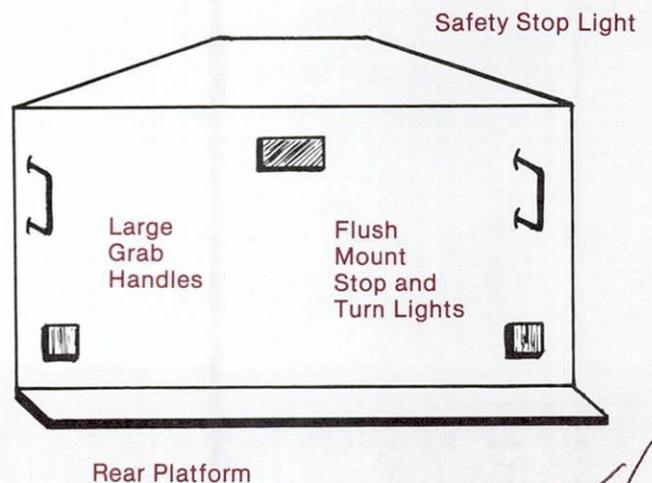


This is printed on recycled paper

**Recycling Unit Diagram**



**Rear View**



Quality Proven **GENEVA** Products

presents

# GRAVITY UNLOADING RECYCLING TRAILER

Lid Locking Mechanism

Option: Hinged Lids  
Open from Top or Bottom

Poly or  
Galvanized Lids

54" Loading  
Height

Heavy Duty  
Hitch Assembly

4 to 8  
Compartments

Easy Lift  
Doors for  
Unloading

Angled Floor  
For Ease In  
Unloading



Flush Mount  
Door Latches

7,000 lb.  
Torsion Axle

8.75 X 16.5  
10 Ply Tires

Electric or  
Hydraulic Brakes

*(20' Now Also Made)*  
12', 14', 16' Overall Lengths

14, 16, 18 cubic yards

Use as a tow-behind for route work  
Leave on location for quantity stops

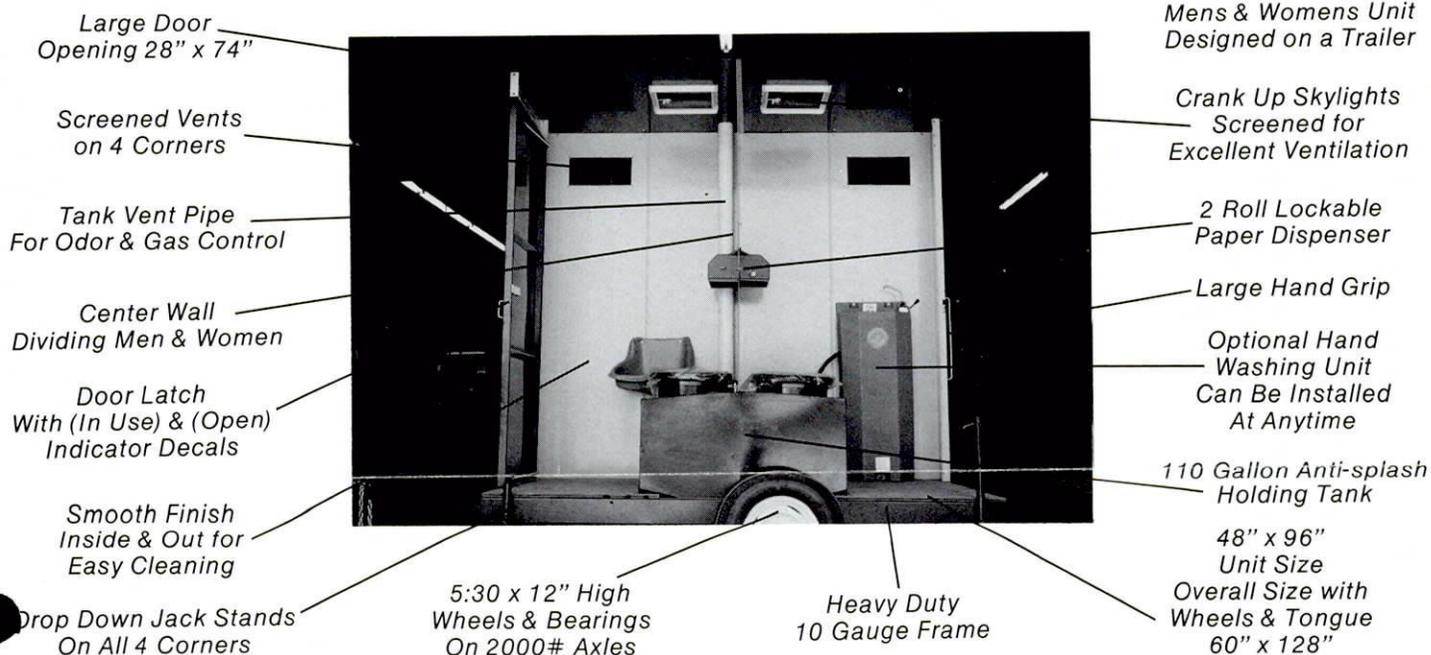
Top load allows complete space utilization  
54" loading height for easy access  
No hydraulics — easy to operate

**GENEVA** PRODUCTS

1-800-328-7024

# TOW-A-TOILET

## Features



Large Door  
Opening 28" x 74"

Screened Vents  
on 4 Corners

Tank Vent Pipe  
For Odor & Gas Control

Center Wall  
Dividing Men & Women

Door Latch  
With (In Use) & (Open)  
Indicator Decals

Smooth Finish  
Inside & Out for  
Easy Cleaning

Drop Down Jack Stands  
On All 4 Corners

5:30 x 12" High  
Wheels & Bearings  
On 2000# Axles

Heavy Duty  
10 Gauge Frame

Mens & Womens Unit  
Designed on a Trailer

Crank Up Skylights  
Screened for  
Excellent Ventilation

2 Roll Lockable  
Paper Dispenser

Large Hand Grip

Optional Hand  
Washing Unit  
Can Be Installed  
At Anytime

110 Gallon Anti-splash  
Holding Tank

48" x 96"  
Unit Size  
Overall Size with  
Wheels & Tongue  
60" x 128"

- Steps and hand hold on both entrances for safety
- Turn and stop signals included for safe road travel
- Easy removal of hitch and tongue with one quick clip bolt for security
- Unit equipped with camper-style drain or also available without drain
- Unit is finished inside and out for durability and customer comfort.

### Single Ground Unit

- Size 41" x 41"
- Size with skids 43" x 47"
- Height with skids 89"

- Holding tank 60 gallons
- Unit finished inside and out for durability and comfort

### Geneva Retractable Trailer

- Excellent for mounting portable toilets.
- Bed of trailer lowers to ground—no steps needed
- High speed highway 5:30 x 12" tires and wheels for safe travel
- Stop and turn signals for safety
- Tongue and wheel assemblies remove for easy storage and security.
- Trailer bed size 48" x 96", 60" x 96", 72" x 96"

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- Building and Road Contractors
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- Ball Parks
- Auctioneers
- And Wherever People Gather !!!

IDEAL BECAUSE OF HANDLING EASE!!

FOR MORE INFORMATION

CALL TOLL FREE  
**1-800-328-7024**

**GENEVA**  
NATIONAL MANUFACTURING

(701) 845-1017  
675 12th AVENUE S.E., VALLEY CITY, ND 58072

6

# TOW-A-TOILET



**GENEVA**  
NATIONAL MANUFACTURING  
675 12th Ave. SE  
Valley City, ND 58072



**Attn: Owner or Manager**

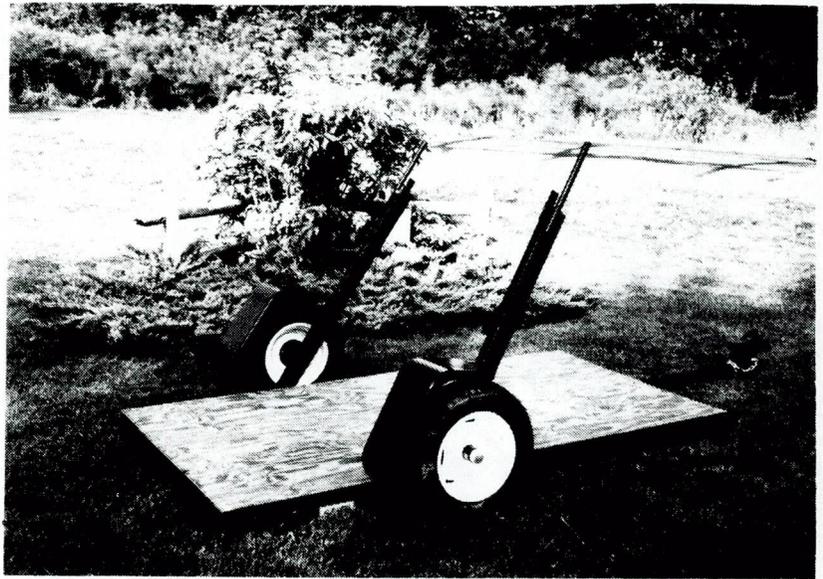
# GENEVA RETRACTABLE TRAILER



# **GENEVA**

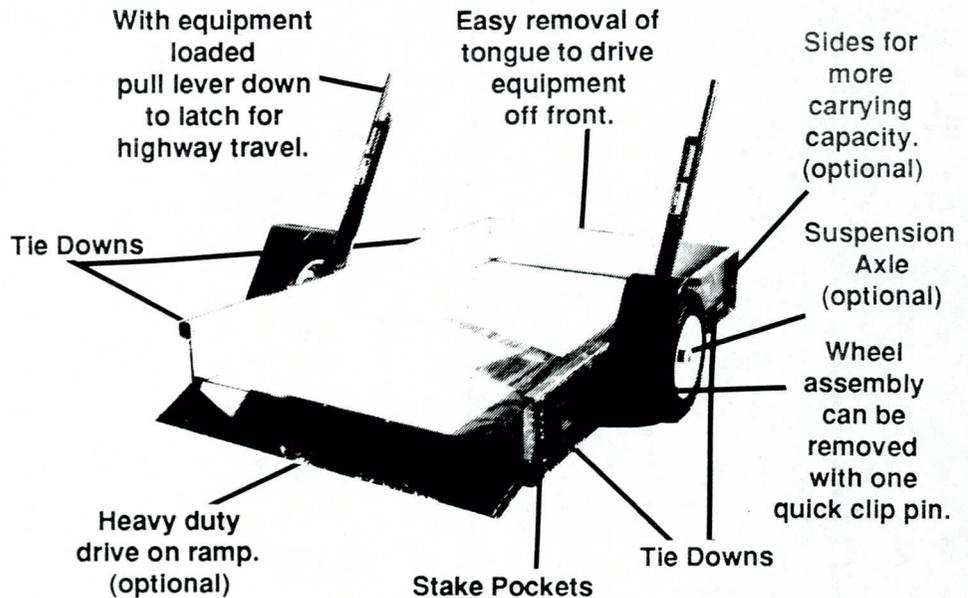
## **RETRACTABLE Trailer**

*A Revolutionary  
New Trailer Design!*



**STORES IN A  
CORNER OF  
YOUR GARAGE!**

**DESIGNED FOR  
HIGHWAY TRAVEL  
OR AROUND  
THE YARD!**



## The **RETRACTABLE TRAILER**

*by Geneva Products  
is*

*Innovative and Versatile!*

**MADE IN U.S.A.!**

**QUALITY CONSTRUCTION -  
WITH USE OF RETRACTABLE  
WHEELS THAT DROPS THE  
BED TO THE GROUND FOR  
EASE & SAFETY OF ON & OFF  
LOADING OF MANY DIFFER-  
ENT PIECES OF EQUIPMENT.**

*SNOWMOBILES -  
LAWN & GARDEN EQUIPMENT -  
MOTORCYCLES - PORTABLE TOILETS - ETC.*



GENEVA  
1-800-328-7024  
National Mfg.  
675 12TH Ave. S. E.  
Valley City, ND 58072

August 29, 1990

Patti Gardner  
Program Analyst  
Office of Vehicle Safety Standards Room 5320C  
National Highway Traffic Safety Administration  
400 7th St. SW  
Washington, D.C. 20590

Fax #202-366-4329

The following is the written explanation of our chosen Vin numbers, for the Tow-A-Toilet.

1st 3 (4BE) given by S.A.E. #4 is for utility trailers, S is for standard, 08 is for length of the Tow-A-Toilet, #1 is for the number of axles, #01 is our resulting check digit, L is for the year of manufacture (1990), #11 with the V stands for Valley City, ND where trailer is made, W J H stands for initials of the Vin preparer and finally the initial Tow-A-Toilet will have the number 001 followed by 002 and 003, etc thru 999.

I trust this is what is needed and I thank you for your help.

Regards,

  
Bill Hamm  
Sales Manager  
Toilet/Trailer Division

BH/lb



**GENEVA**  
**PRODUCTS**

**William "Bill" Hamm**

SALES MANAGER  
TOILET/TRAILER DIVISION

NATIONAL MANUFACTURING COMPANY

675 12 Ave. S.E. — Valley City, ND 58072

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