

## SECTION 1:

POLAR MANUFACTURING'S IDENTIFIER  
ASSIGNED BY SAE

1 P M  
7 4

LETTER VALUE\*

## SECTION 2:

VEHICLE ATTRIBUTES: TYPE OF TRAILER, BODY TYPE  
LENGTH AND AXLE CONFIGURATION.

LETTER	VALUE*	DESCRIPTION	LETTER	VALUE*	DESCRIPTION
V	5	VAN = DRY FREIGHT	A	1	TANK = ALUMINUM VESSEL
Y	8	VAN = OPEN TOP	S	2	TANK = STAINLESS STEEL VESSEL
R	9	VAN = REFRIGERATED	C	3	TANK = CARBON STEEL VESSEL
F	6	VAN = FURNITURE	B	2	TANK = PNEUMATIC BULKER
G	7	GRAIN = STRAIGHT			
H	8	GRAIN = HOPPER			
L	3	LIVESTOCK			
P	7	PLATFORM			
D	4	DOLLY			

## SECTION 3:

MODEL YEAR, MANUFACTURING PLANT  
AND NUMBER SEQUENCE.

MODEL YEAR				
1980	A	1	2005	5
1981	B	2	2006	6
1982	C	3	2007	7
1983	D	4	2008	8
1984	E	5	2009	9
1985	F	6	2010	1
1986	G	7	2011	2
1987	H	8	2012	3
1988	J	1	2013	4
1989	K	2	2014	5
1990	L	3	2015	6
1991	M	4	2016	7
1992	N	5	2017	8
1993	P	7	2018	9
1994	R	9	2019	1
1995	S	2	2020	2
1996	T	3	2021	3
1997	V	5	2022	4
1998	W	6	2023	5
1999	X	7	2024	6
2000	Y	8	2025	7
2001	1	1	2026	8
2002	2	2	2027	9
2003	3	3	2028	1
2004	4	4		

\*USE THESE NUMERIC VALUES  
FOR CALCULATING THE  
CHECK DIGIT

LETTER VALUE \*

NON-TANK  
TANK VESSEL CODE

0 - NON-CODE  
1 - DOT 408  
2 - DOT 407  
3 - DOT 412  
4 - SANITARY (3-A)  
5 - MC 331

LENGTH OF TRAILER TO THE CLOSEST FOOT  
EXCLUSIVE OF DRAWBARS, REFRIGERATION  
UNITS, ETC. IE 42'-0"=42' 42'-6"=43'

NUMBER OF AXLES

### CALCULATING THE CHECK DIGIT

1PMR04221A3033095

STEP 1: CONVERT ANY ALPHAS IN  
ABOVE NUMBER TO NUMERICS

1749042213033095

STEP 2: MULTIPLY ABOVE DISPLAY BY  
CONSTANT POSITION VALUES BELOW

8 7 6 5 4 3 2 10 9 8 7 6 5 4 3 2  
8+49+24+45+0+12 +4 +20 + 9+24+0+18+15+0+27+10

STEP 3: ADD PRODUCTS OF COLUMN=285 (DIVIDE LONG HAND)  
STEP 4: DIVIDE TOTAL OF STEP 3 BY 11=24 1/11

STEP 5: THE REMAINDER BECOMES CHECK DIGIT  
IN THIS CASE=1

STEP 6: INSERT CHECK DIGIT AS 9TH CHARACTER  
SHOULD IT BE 10 ENTER X.

NUMBER SEQUENCE (EXAMPLE ONLY)

0 - NOT CURRENTLY USED

MANUFACTURING PLANT  
1-DOLE, MN  
2-HOLDINGFORD, MN  
3-OKLAHOMA, OK  
4-GREAT BEND, KS  
5-SPRINGFIELD, MO  
6-SEAL, IL

THIS SYSTEM COMPLIES  
WITH REQUIREMENTS  
OF F.M.V.S.S.115

SECTION 1 SECTION 2 SECTION 3  
1 P M R 0 4 2 2 1 A 3 0 3 3 0 9 5 = FULL V.I.N. NUMBER

A 3 - 3 3 0 9 5 = HIDDEN, BOTTOM RAIL &  
INTERNAL SERIAL NUMBER

E REMOVED LOCATION OF MANUFACTURING PLANT FROM LIST		7/2/14	302	C CONNECTED BLANK VALUE NUMBER		1/2/14	302	D INCREASING MODEL YEARS UNIFORM PLANT LOCATIONS ADDED DOT 331 TANK CODE		8/7/12	302	A TANK INFO CODES IDENTIFIER AND TAC		4/10/12	302	POLAR VEHICLE IDENTIFICATION NUMBER SYSTEM		00033
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