

CHRYSLER GROUP LLC
2010 MPV'S, TRUCK, INCOMPLETE VEHICLES V.I.N. CODING GUIDE

Revised 18 June 2009

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 Product Specifications & Business Systems

Indicates Latest Revision
V.I.N. Code Revisions

Revision Date	Page Revised	Nature of Change
06/18/2009	15	8 Th Position: Engine; T = 5.7L, Sales Code, EZD Added
04/30/2009	6, 7, 10, 14	"DC" Family, Body Style 43, 63, 64, Added "DM" Family, Body Style 43, 44, 63, 64, 66, Added
04/27/2009	7 10	Position 5, Removed Marketing Name 2500 for "DX" Family Position 6, Removed 2 = 2500 Job Rated for "DX" Family
04/23/2009	15	8 Th Position: Engines Removed the following Engine Code: (EXM) M=3.0L 6 CYL Diesel
04/17/2009	7 10	Position 5, Added Marketing Name 2500 for "DX" Family Position 6, Added 2 = 2500 Job Rated for "DX" Family
04/06/2009	All	Removed "DA" Vehicle Family Removed 3.6L 6 CYL Gasoline Engine (sales code ERB)
10/28/2008	15 13 All	8 Th Position: Engines A = 2.0L, Sales Code ECQ, Added E = 3.3L, Sales Code EGA, Removed G = 3.6L, Sales Code ERP, Removed K = 3.7L, Sales Code, EKH, Added H = 5.0L, Sales Code, ETA, Removed T = 5.7L, Sales Code, EZD, Removed J = 6.4L, Sales Code, ESG,ESH, Removed "DD" Family, Body Style 65,66,94, Removed "HB,HG" Family, Gas and HEV, Removed No 2010 HB/HG MY Production (09HB-0223)

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Revision Date	Page Revised	Nature of Change
10/12/2007	15	Engine: H = 5.0L Diesel Sales Code ETA, Added
10/10/2007	All	"DA" Family, Body Style 63,64,65,66,93,94, Added "DD" Family, Body Style 63,64,65,66,93,94, Added "DJ" Family, Body Style 62,81,91,92, Added "DP" Family, Body Style 63,64,65,66,93,94, Added "DS" Family, Body Style 41,61,62,98, Added "DX" Family, Body Style 61,64, Added "D2" Family, Body Style 62,81,91,92, Added
10/10/2007	All	Initial Issue, "HB" Family, Body Style 74, Added "HG" Family, Body Style 74, Added "E" Price Class, Hybrid Electric Vehicle, Added

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1st, 2nd, 3rd Positions: WMI (World Manufacturer Identifier)

1D7 = Chrysler Group LLC - Truck

1D6 = Chrysler Group LLC - Truck

1Z7 = Chrysler Group LLC - Truck

3D7 = Chrysler De Mexico - Truck

3D6 = Chrysler De Mexico - Truck

1A4 = Chrysler Group LLC - MPV

1D4 = Chrysler Group LLC - MPV

1J4 = Chrysler Group LLC - MPV

2A4= Chrysler Canada - MPV

2D4= Chrysler Canada - MPV

2V4= Chrysler Canada - MPV

3A4= Chrysler De Mexico - MPV

3D4= Chrysler De Mexico - MPV

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4th Position: Weight / G.V.W.R., Restraints and Location

(NOTE: Vehicles With Sales Code "YAB" Requires KG For Weight)

(ASP = All Seating Positions, OSP = Outboard Seating Positions)

Active Belts (ASP) Front Air Bags (OSP) Without Side Inflatable Restraints

A=	4001-5000#	(1815 - 2267 KG)	GVWR & Hyd. Brakes
B=	5001-6000#	(2268 - 2721 KG)	GVWR & Hyd. Brakes
C=	6001-7000#	(2722 - 3175 KG)	GVWR & Hyd. Brakes
D=	7001-8000#	(3176 - 3628 KG)	GVWR & Hyd. Brakes
E=	8001-9000#	(3629 - 4082 KG)	GVWR & Hyd. Brakes
F=	9001-10000#	(4083 - 4535 KG)	GVWR & Hyd. Brakes

Active Belts (ASP) Front Air Bags (OSP) With Side Inflatable Restraints Front Row

G=	4001-5000#	(1815 - 2267 KG)	GVWR & Hyd. Brakes
H=	5001-6000#	(2268 - 2721 KG)	GVWR & Hyd. Brakes
J=	6001-7000#	(2722 - 3175 KG)	GVWR & Hyd. Brakes
K=	7001-8000#	(3176 - 3628 KG)	GVWR & Hyd. Brakes
L=	8001-9000#	(3629 - 4082 KG)	GVWR & Hyd. Brakes
M=	9001-10000#	(4083 - 4535 KG)	GVWR & Hyd. Brakes

Active Belts (ASP) Front Air Bags (OSP) With Side Inflatable Restraints All Rows

N=	4001-5000#	(1815 - 2267 KG)	GVWR & Hyd. Brakes
P=	5001-6000#	(2268 - 2721 KG)	GVWR & Hyd. Brakes
R=	6001-7000#	(2722 - 3175 KG)	GVWR & Hyd. Brakes
S=	7001-8000#	(3176 - 3628 KG)	GVWR & Hyd. Brakes
T=	8001-9000#	(3629 - 4082 KG)	GVWR & Hyd. Brakes
U=	9001-10000#	(4083 - 4535 KG)	GVWR & Hyd. Brakes

Active Belts (ASP) Without Air Bags And Without Side Inflatable Restraints

V=	4001-5000#	(1815 - 2267 KG)	GVWR & Hyd. Brakes
X=	5001-6000#	(2268 - 2721 KG)	GVWR & Hyd. Brakes
Y=	6001-7000#	(2722 - 3175 KG)	GVWR & Hyd. Brakes
Z=	7001-8000#	(3176 - 3628 KG)	GVWR & Hyd. Brakes
1=	8001-9000#	(3629 - 4082 KG)	GVWR & Hyd. Brakes
2=	9001-10000#	(4083 - 4535 KG)	GVWR & Hyd. Brakes

Active Belts (ASP) Trucks Over 10000# (4536 KG) GVWR

3=	10001-14000#	(4536 - 6350 KG)	GVWR & Hyd. Brakes	(Class 3)
4=	14001-16000#	(6351 - 7257 KG)	GVWR & Hyd. Brakes	(Class 4)
5=	16001-19500#	(7258 - 8845 KG)	GVWR & Hyd. Brakes	(Class 5)
6=	19501-26000#	(8846 - 11793 KG)	GVWR & Hyd. Brakes	(Class 6)

Incomplete Vehicles

W= Incomplete Vehicles With Hydraulic Brakes

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5th Position: Make / Line

Chrysler: "LE" Family

6= 300C / SRT-8 (LHD)(RWD)
7= 300C (RHD)(AWD)
C= 300C / SRT-8 (RHD)(RWD)

Chrysler: "RT" Family

R= Town & Country (LHD)(FWD)
S= Grand Voyager (LHD)(FWD)
T= Grand Voyager (RHD)(FWD)

Dodge: "DS" Family (1500)

B= Ram Pickup Light Duty (4x2)
V= Ram Pickup Light Duty (4x4)

Dodge: "DJ" Family (2500)

P= Ram Pickup Heavy Duty (4x2)
T= Ram Pickup Heavy Duty (4x4)

Dodge: "D2" Family (3500)

M= Ram Pickup Heavy Duty (4x2)
Y= Ram Pickup Heavy Duty (4x4)

Dodge: "DC" Family (3500)

G= Ram Chassis Cab (4x2)
H= Ram Chassis Cab (4x4)

Dodge: "DD" Family (3500)

F= Ram Cab Chassis (4x2)
Z= Ram Cab Chassis (4x4)

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5th Position: Make / Line
(CONT)

Dodge: "DX" Family (1500 / 4000)

N= Ram Cab Chassis (4x2)
3= Ram Cab Chassis (4x4)
5= Ram Pickup Light Duty (4x2)
6= Ram Pickup Light Duty (4x4)

Dodge: "DM" Family (4500 / 5500)

C= Ram Cab Chassis (4x2)
D= Ram Cab Chassis (4x4)

Dodge: "DP" Family (4500 / 5500)

A= Ram Cab Chassis (4x2)
U= Ram Cab Chassis (4x4)

Dodge: "JC" Family

G= Journey (LHD)(FWD) (D-49)
H= Journey (LHD)(AWD) (E-49)
5= Journey (RHD)(FWD) (B-49)

Dodge: "KA" Family

T= Nitro (LHD)(4x2)
U= Nitro (LHD)(4x4)
9= Nitro (RHD)(4x4)

Dodge: "ND" Family

E= Dakota (4x2)
W= Dakota (4x4)

Dodge: "RT" Family

N= Caravan (LHD)(FWD)

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5th Position: Make / Line
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Jeep: "JK" Family

A= Wrangler (LHD)(4x4)
B= Wrangler (LHD)(4x2)
E= Wrangler (RHD)(4x4)(BUX)
Z= Wrangler (RHD)(4x4)(U.S., Canada)

Jeep: "KK" Family

P= Liberty (LHD)(4x2)
N= Liberty / Cherokee (LHD)(4x4)
4= Cherokee (RHD)(4x4)

Jeep: "MK" Family

T= Compass / Patriot (LHD)(FWD)
F= Compass / Patriot (LHD)(4x4)
7= Compass / Patriot (RHD)(4x4)

Jeep: "WH" Family

C= Grand Cherokee (LHD)(4x4)
D= Grand Cherokee (RHD)(4x4)

Jeep: "WK" Family

S= Grand Cherokee (4x2)
R= Grand Cherokee (4x4)

Jeep: "XH" Family

3= Commander (LHD)(4x4)
1= Commander (RHD)(4x4)

Jeep: "XK" Family

G= Commander (LHD)(4x4)
H= Commander (LHD)(4x2)

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5th Position: Make / Line
(CONT)

Mitsubishi: "NM" Family

C= Raider (LHD)(4x2)

T= Raider (LHD)(4x4)

Volkswagen: "RM" Family

W= Routan (LHD)(FWD)

6th Position: Series:
For: JC,JK,KA,KK,LE,MK,ND,NM,RT,RM,WH,WK,XH,XK Families

1= E Economy

2= L Low Line

3= M Medium

4= H High Line

5= P Premium

6= S Sport

7= X Special

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6th Position: SERIES: Job Rating
(CONT)

Job Rating "DS" Family"

- 1= 1500 Job Rated
- 8= 1500 Job Rated (Hybrid Electric Vehicle)

Job Rating "DJ" Family

- 2= 2500 Job Rated

Job Rating "D2, DD, DC" Family

- 3= 3500 Job Rated With Sales Code "AR9" = Single Rear Wheels
- 4= 3500 Job Rated With Sales Code "WLA" = Dual Rear Wheels

Job Rating "DX" Family

- 1= 1500 Job Rated
- 5= 4000 Job Rated With Sales Code "WLA" = Dual Rear Wheels

Job Rating "DP, DM" Family

- 6= 4500 Job Rated With Sales Code "WLA" = Dual Rear Wheels
- 7= 5500 Job Rated With Sales Code "WLA" = Dual Rear Wheels

6th Position: Job Rating By Model

- 1= DS1, DS6, DX1, DX6
- 2= DJ2, DJ7
- 3= D23, D28, DD3, DD8, DC3, DC8 With Sales Code "AR9" = Single Rear Wheels
- 4= D23, D28, DD3, DD8, DC3, DC8 With Sales Code "WLA" = Dual Rear Wheels
- 5= DX3, DX8 With Sales Code "WLA" = Dual Rear Wheels
- 6= DP4, DP9, DM4, DM9 With Sales Code "WLA" = Dual Rear Wheels
- 7= DP0, DP5, DM0, DM5 With Sales Code "WLA" = Dual Rear Wheels
- 8= DS6

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6th Position: Series By Model
(CONT)

Chrysler: "LE" Family

6= 300C Touring (RWD)(LHD)(BUX)
6= 300C Touring (AWD)(LHD)(BUX)
6= 300C Touring (RWD)(RHD)(BUX)
7= SRT-8 Touring (RWD)(LHD)(BUX)
7= SRT-8 Touring (RWD)(RHD)(BUX)

Chrysler: "RT" Family

4= Town & Country LX (FWD)(LHD)(U.S., Mexico)
4= Grand Voyager LX (FWD)(LHD)(BUX)
4= Grand Voyager LX (FWD)(RHD)(BUX)
5= Town & Country Touring (FWD)(LHD)(U.S., Canada, Mexico)
5= Grand Voyager Touring (FWD)(LHD)(BUX)
5= Grand Voyager Touring (FWD)(RHD)(BUX)
6= Town & Country Limited (FWD)(LHD)(U.S., Canada, Mexico)
6= Grand Voyager Limited (FWD)(LHD)(BUX)
6= Grand Voyager Limited (FWD)(RHD)(BUX)

Dodge: "JC" Family

4= Journey SE (U.S., Canada, Mexico, BUX)
5= Journey SXT (U.S., Canada, Mexico, BUX)
6= Journey R/T (U.S., Canada, Mexico, BUX)

Dodge: "KA" Family

2= Nitro SE (U.S., Canada, Mexico, BUX)
5= Nitro SXT (U.S., Canada, Mexico, BUX)

Dodge: "ND" Family

2= Dakota ST Extended Cab, Dakota ST Crew Cab (U.S., Canada, BUX)
3= Dakota SXT Extended Cab, Dakota SXT Crew Cab (U.S., Canada, BUX)
5= Dakota Laramie Extended Cab (U.S., BUX)
5= Dakota Laramie Crew Cab (U.S., Mexico, BUX)
7= Dakota TRX Extended Cab, Dakota TRX Crew Cab (U.S.)

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6th Position: Series By Model
(CONT)

Dodge: "RT" Family

- 1= Grand Caravan C/V (LHD)(FWD)(U.S., Canada)
- 4= Grand Caravan SE (LHD)(FWD)(U.S., Canada)
- 5= Grand Caravan SXT (LHD)(FWD)(U.S.)

Jeep: "JK" Family

- 2= Wrangler X (U.S., Canada, Mexico, BUX) (-72)
- 3= Wrangler Unlimited X (U.S., Canada, Mexico, BUX) (-74)
- 5= Wrangler Sahara (U.S., Canada, Mexico, BUX) (-72)
- 5= Wrangler Unlimited Sahara (U.S., Canada, Mexico, BUX) (-74)
- 6= Wrangler Rubicon (U.S., Canada, Mexico, BUX) (-72)
- 6= Wrangler Unlimited Rubicon (U.S., Canada, Mexico, BUX) (-74)

Jeep: "KK" Family

- 2= Liberty Sport (U.S., Canada, Mexico) (Cherokee Sport BUX)
- 5= Liberty Limited Edition (U.S., Canada Mexico) (Cherokee Limited Edition BUX)

Jeep: "MK" Family

- 2= Patriot (U.S., Canada, Mexico, BUX) (-74)
- 4= Patriot Limited (U.S., Canada, Mexico, BUX) (-74)
- 4= Compass, (U.S., Canada, Mexico, BUX) (-49)
- 5= Compass Limited (U.S., Canada, Mexico, BUX) (-49)

Jeep: "XH" Family

- 4= Commander Sport (BUX)
- 5= Commander Limited (BUX)
- 6= Commander Overland(BUX)

Jeep: "XK" Family

- 4= Commander Sport (U.S., Canada, Mexico)
- 5= Commander Limited (U.S., Canada, Mexico)
- 6= Commander Overland(U.S., Canada, Mexico)

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6th Position: Series By Model
(CONT)

Jeep: "WK" Family

- 4= Grand Cherokee Laredo (U.S., Canada, Mexico, BUX)
- 5= Grand Cherokee Limited (U.S., Canada, Mexico, BUX)
- 6= Grand Cherokee Overland (U.S., Canada, Mexico, BUX)
- 7= Grand Cherokee SRT-8 (U.S., Canada, Mexico, BUX)

Jeep: "WH" Family

- 4= Grand Cherokee Laredo (LHD)(RHD)(BUX)
- 5= Grand Cherokee Limited (LHD)(RHD)(BUX)
- 6= Grand Cherokee Overland (LHD)(RHD)(BUX)
- 7= Grand Cherokee SRT-8 (LHD)(RHD)(BUX)

Mitsubishi: "NM" Family

- 2= Raider LS Club Cab, LS Quad Cab (U.S., Canada)
- 3= Raider DUROCROSS Club Cab, DUROCROSS Quad Cab (U.S., Canada)
- 4= Raider XLS Club Cab, XLS Quad Cab (U.S., Canada)

Volkswagen: "RM" Family

- 3= Routan SE (U.S., Canada, Mexico)
- 4= Routan S (U.S., Canada, Mexico)
- 5= Routan SEL (U.S., Canada)
- 6= Routan SEL (U.S., Canada)

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7th Position: Body:

- A= Extended Van
Grand Caravan C/V (RT-53)

- B= Extended Cab / Dakota Pickup (ND-33)
Club Cab / Raider Pickup (NM-33)

- C= Crew Cab Pickup (DJ-91,92) (DS-98) (D2-91,92)(DX-98)
Crew Cab Chassis (DD-93) (DP-93,94)

- D= Open Body
Wrangler (JK-72)

- D= Extended Wagon
Grand Caravan / Grand Voyager / Town & Country (RT-53)
Routan (RM-53)

- E= Regular Cab Pickup / (DJ-62) (DS-61,62) (DX-61) (D2-62)
Regular Cab Chassis / (DD-63,64) (DP-63,64,65,66) (DX-64)(DC-63,64)(DM-63,64,66)

- F= Hatchback Tall
Compass (MK-49) / Journey (JC-49)
300C / SRT8 (LE-49)

- G= Sport Utility 4 Door
Cherokee / Liberty (KK-74)/
Grand Cherokee (WH-74)(WK-74)/Commander (XH-74)(XK-74)
Patriot (MK-74) / Nitro (KA-74)

- G= Crew Cab / Dakota Pickup (ND-84)
Quad Cab / Raider Pickup (NM-84)

- G= Quad Cab / Ram Pickup(DS-41)
Quad Cab / Ram Cab Chassis (DC-43)(DM-43,44)

- H= Mega Cab Pickup / (DJ-81) (D2-81)

- H= Extended Open Body
Wrangler (JK- 74)

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8 th Position:	Engines	Sales Code
	C = 1.8L 4 CYL Gasoline Non-Turbo	EBA
	Y = 2.0L 4 CYL Diesel	ECD,ECE
	A = 2.0L 4 CYL Gasoline Non – Turbo	ECN,ECP
	A = 2.0L 4 CYL Gasoline/CNG Non – Turbo	ECQ
	U = 2.2L 4 CYL Diesel	ENE
	B = 2.4L 4 CYL Gasoline Non – Turbo	EDG,ED3
	F = 2.4L 4 CYL Gasoline Turbo	ED4
	D = 2.7L 6 CYL Gasoline Non – Turbo	EER
	5 = 2.8L 4 CYL Diesel	ENS
*	A = 2.9L 6 CYL Gasoline (South East Motor Co. Ltd.)	EG1
	M = 3.0L 6 CYL Diesel	EXL
	E = 3.3L 6 CYL Gasoline Non – Turbo	EGV
	V = 3.5L 6 CYL Gasoline Non – Turbo	EGF,EGG
	K = 3.7L 6 CYL Gasoline Non – Turbo	EKG
	K = 3.7L 6 CYL Gasoline/CNG Non – Turbo	EKH
	1 = 3.8L 6 CYL Gasoline Non – Turbo	EGL,EGT
	X = 4.0L 6 CYL Gasoline Non – Turbo	EGQ,EGS
	P = 4.7L 8 CYL Gasoline Non – Turbo	EVE
	T = 5.7L 8 CYL Gasoline Non – Turbo	EZC,EZD,EZE,EZH
	W = 6.1L 8 CYL Gasoline Non – Turbo	ESF
	L = 6.7L 6 CYL Diesel	ETJ
	Z = 8.4L 10 CYL Gasoline Non – Turbo	EWE

***NOTE:**

South East Motor Co. Ltd., can continue to use the character “A” to represent the unique 2.9L Engine at their assembly plant.

The duplicate use of character “A” has no impact on Chrysler Group LLC VIN Coding, because Chrysler and South East Motor Co. Ltd. have different WMI’S (World Manufacture Identifier) Chrysler will eventually be requesting a character change for the 2.9L engine from South East Motor Co. Ltd., to remove the duplicate character “A”.

9th Position: Check Digit

*= Calculated By The Formula In Part 565

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10th Position: Year

A= 2010 Model Year

11th Position: Build Plant

A= CTC Pre-Production & Pilot

B= St Louis Assembly South

C= Jefferson North Assembly

D= Belvidere Assembly

E= Aguascalientes Assembly (Versa Project, WMI= "3T3", Vehicle Family "55")RESERVED

F= Newark Assembly

G= Saltillo Assembly

H= Brampton Assembly

J= St Louis Assembly North

K= Wuhu Assembly Plant (Protect "S12")(Location Code 8780) RESERVED

L= Toledo South Assembly

M= Lago Alberto Assembly

N= Sterling Heights Assembly

P= Toledo Assembly #2

R= Windsor Assembly

S= Warren Truck Assembly

T= Toluca Assembly

U= (Location Code 8025) RESERVED

V= Conner Avenue Assembly

W= Toledo North Assembly

X= Osnabrueck Assembly

Y= Chrysler Steyr Assembly

Z= Civac Assembly (Versa Project, WMI= "3T3", IF 2nd Plant Necessary)RESERVED

0= South East Motor (S.E.M.) (Mainland China)

1= Valencia, Venezuela (C.D.V.)

2= Cordoba, Argentina

3= Campo Largo, Brazil

4= Cairo, Egypt (A.A.V.)

5= Dusseldorf, Germany

6= China Motor Corporation (C.M.C.) (Taiwan)

8= Nazareth Israel (A.I.L.)

9= Ludwigsfelde, Germany

NOTE: CANNOT USE LETTERS I, O or Q FOR VIN CHARACTERS.

12th Position: Sequential Number

*= Six Digit Sequential Number Assigned By The Build Plant

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DESCRIPTION OF V.I.N. CODE

- .1 A CHECK DIGIT SHALL BE PROVIDED WITH EACH VEHICLE IDENTIFICATION NUMBER THE CHECK DIGIT SHALL IMMEDIATELY FOLLOW THE FIFTH CHARACTER OF THE SECOND SECTION AND APPEAR WITH THE VEHICLE IDENTIFICATION NUMBER ON THE VEHICLE AND ON ANY TRANSFER DOCUMENTS CONTAINING THE VEHICLE IDENTIFICATION NUMBER AND PREPARED BY THE MANUFACTURE TO BE GIVEN TO THE FIRST OWNER FOR PURPOSES OTHER THAN RESALE.

THE CHECK DIGIT IS DETERMINED BY CARRYING OUT THE MATHEMATICAL COMPUTATION SPECIFIED IN S5.2.1-S5.2.4
- 5.2 ASSIGN TO EACH NUMBER IN THE VEHICLE IDENTIFICATION NUMBER ITS ACTUAL MATHEMATICAL VALUE AND ASSIGN TO EACH LETTER THE VALUE SPECIFIED FOR IT.
- 5.2.1 MULTIPLY THE ASSIGNED VALUE FOR EACH CHARACTER IN THE VEHICLE IDENTIFICATION NUMBER BY THE WEIGHT FACTOR. MULTIPLY THE CHECK DIGIT BY ZERO (0).
- 5.2.2 ADD THE RESULTING PRODUCTS AND DIVIDE THE TOTAL BY 11.
- 5.2.3 THE REMAINDER IS THE CHECK DIGIT. IF THE REMAINDER IS 10, THE CHECK DIGIT IS X.
- 5.2.4

VEHICLE IDENTIFICATION NUMBER CHARACTER:

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EXAMPLE

1 G4 A H 5 9 H 4 5 G 1 1 8 3 4 1

ASSIGNED CODE VALUE:

1 7 4 1 8 5 9 8 4 5 7 1 1 8 3 4 1

MULTIPLY BY POSITION WEIGHT:

8 7 6 5 4 3 2 1 0 0 9 8 7 6 5 4 3 2

ADD PRODUCTS:

$8+49+24+5+32+15+18+80+0+45+56+7+6+40+12+12+2=411$

DIVIDE BY 11:

$411/11=37\ 4/11$

CHECK DIGIT:

4 (COMPARE TO CHARACTER IN 9TH POSITION)

VIN ALPHA CONVERSION

A-1 E-5 J-1 N-5 T-3 X-7

B-2 F-6 K-2 P-7 U-4 Y-8

C-3 G-7 L-3 R-9 V-5 Z-9

D-4 H-8 M-4 S-2 W-6

WEIGHT:

CODE VALUE=NUMERIC VALUE OF THE CODE ALPHA CHARACTERS

ARE CONVERTED TO NUMERIC USING THE TABLE BELOW.

0,1,2,3,4,5,6,7,8,9,X

CALCULATED FORMULA

CODE VALUE X POSITION WEIGHT = R/11

R (REMAINDER) = CHECK DIGIT

IF R = 10 CHECK DIGIT IS "X"