

**NAFTA  
Passenger Car  
MODEL YEAR 2016**

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Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Typical VIN	Word Manufacturer Identification			Restraint System	Brand,Marketing Name, Price Series, Drive position, Drive Type, Body Type			Engine	Check Digit	Model Year	Plant	0	0	0	0	0	0
				A/N	A/N A/N A			A/N				A/N	N	N	N	N	N

**Position-3: Word Manufacturer Identification**

1	2	3	Manufacturer	Vehicle type
Z	A	R	FCA Italy S.p.A.	Passenger car (Alfa Romeo Brand)

**Position 8 : Engine**

Code	Displacement	Cylinders	Fuel	Turbo	HP	Identification
4	1,750	4	Gasoline	Yes	214	960A1047

**Position 4 : Restraint System**

ASP= All Seating Positions - OSP= Outboard Seating Position

Code	Description
A	Active Belts (ASP), Front Air Bags (OSP), Without Side Inflatable Restraints
B	Active Belts (ASP), Front Air Bags (OSP), With Side Inflatable Restraints-Front Row
C	Active Belts (ASP), Front Air Bags (OSP), With Side Inflatable Restraints-All Rows
D	Active Belts (ASP), Without Air Bags, Without Side Inflatable Restraints

**Position 9 : Check Digit**

Calculated from formula in part 565

**Position 10 : Model Year**

2016 = G

**Position 5-6-7: define Brand,Marketing Name, Price Series, Drive position, Drive Type, and Body Type**

ALFA ROMEO 4C (960) (AA)

5	6	7	Series	Drive Position	Drive Type	Body Type
A	A	A	4C Coupe	Left Hand Drive	Rear Wheel Drive	2 door Coupè
A	A	B	4C SPIDER			2 door Convertible
A	A	C	4C Coupe LAUNCH EDITION			2 door Coupè
A	A	D	4C SPIDER LAUNCH EDITION			2 door Convertible

**Position 11 : Assembly Plant**

Code	Plant
M	MASERATI PLANT - MODENA (ITALY)

**Position 12 - 17 : Plant Sequence Number**

**Note:** Position 12 is alphanumeric: progresses from 0 to 9, then A to Z  
Position 13 to 17 are numeric progressive only

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**2016 FCA Italy S.p.A. Passenger Car**

**9th Position:** DESCRIPTION OF V.I.N. CODE CHECK DIGIT (Position 9)

0,1 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 5.2.1-5.2.4

5,2 ASSIGN TO EACH NUMBER IN THE VEHICLE IDENTIFICATION NUMBER ITS ACTUAL MATHEMATICAL VALUE AND ASSIGN TO EACH LETTER THE VALUESPECIFIED 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

**EXAMPLE** VEHICLE IDENTIFICATION NUMBER CHARACTER:

1 G 4 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 10 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"