



B 11/14/85 pdy

ORIGINAL

**SUBARU of AMERICA, INC.**

7040 Central Highway PENNSAUKEN, NEW JERSEY 08109  
Telephone (609) 488-8500 Cable: Mabosan Telex: 83-4582  
DIRECT DIAL NUMBER: (609) 488-8517

November 6, 1985

01-22-NIB-2097

Ref. #379-85C

RE: 1986 Check Digit  
NHTSA Part 565 - VIN Content

National Highway Traffic Safety Administrator  
U.S. Department of Transportation  
400 7th Street, S.W.  
Washington, D.C. 20590  
Attn: Mr. Ken Rutland

13 p.

Dear Mr. Rutland:

This letter is in response to your phone inquiry concerning some examples of Subaru VINs as shown in a pamphlet we recently submitted to the agency regarding Part 565.

We wish to thank you and your staff for bringing the check digit example to our attention. The inaccuracy will be corrected in subsequent publications of the subject pamphlet.

Most of all we wish to assure you and NHTSA that the VIN as they are affixed to our vehicles are correct. We at Subaru of America have made various samplings of the manufacturers, our port records, and actual vehicle VINs and find all to be representative and correct especially the ninth character.

Please feel free to contact me again, I will be pleased to help you if I can.

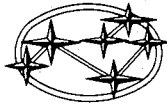
Very truly yours,  
SUBARU OF AMERICA, INC.

*John Cordner*

JOHN CORDNER  
Technical Assistant  
Governmental Affairs Dept.

JC:dr

cc: Tom Welch  
SOA Sales/Distribution



NRM-40

## SUBARU of AMERICA, INC.

7040 Central Highway PENNSAUKEN, NEW JERSEY 08109  
Telephone (609) 488-8500 Cable: Mabosan Telex: 83-4582  
DIRECT DIAL NUMBER: (609) 488- 8517

October 1, 1985

Ref. No. 332-85C

Re: 1986 Subaru VINs

National Highway Traffic Safety Administrator  
U.S. Department of Transportation  
400 7th Street SW  
Washington, D.C. 20590

RE: NHTSA Part 565 - Vehicle Identification Number Content

Dear Coordinator:

As the importer of Subaru vehicles, we are providing VIN data applicable to 1986 Model Year in the attached booklet titled "Subaru Vehicle Identification Numbers 1986 Edition", publication No. SOA D-84 0004.

Should you wish further explanation, please call or write to me at the above address.

Very truly yours,

SUBARU OF AMERICA, INC.

John Cordner  
Technical Assistant  
Governmental Affairs

JC:kls

Enc.

cc: FHI (Mr. T. Matsushita)  
FLO  
K. Mesveskas  
D. Perry

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# SUBARU®

## VEHICLE IDENTIFICATION NUMBERS

1986 EDITION

Subaru of America, Inc.  
7040 Central Highway  
Pennsauken, N.J. 08109

SOAD — 840004

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In compliance with the National Highway Traffic and Safety Administration regulation FMVSS115, all vehicles manufactured for sale in the United States on or after September 1, 1980, will carry a new V.I.N. format, that is uniform for all vehicle manufacturers.

The V.I.N. consists of seventeen (17) characters divided into four (4) sections. Each section is descriptive of manufacturer or vehicle attributes. These sections are described in a detailed breakdown within this publication.

Included within this notice are all 1985 and 1986 model year Subarus. The starting V.I.N.'s are shown for each model.

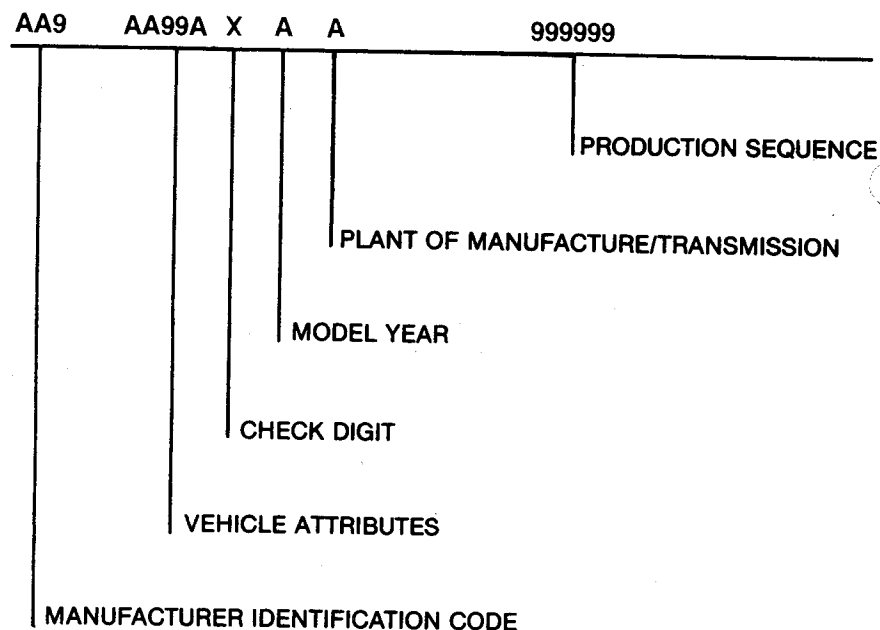
The purpose of this booklet is to provide you with the details of our V.I.N. and to allow you full access for understanding and documentation within your department or organization.

# SUBARU

## VEHICLE IDENTIFICATION NUMBER

**LAYOUT**—Following is the layout of the V.I.N. The sections below have been separated for purposes of explanation.

\*The actual V.I.N. on the vehicles may not have spaces between the sections.



The V.I.N. is affixed to each vehicle in three separate locations:

1. Engine compartment—(firewall)
2. V.I.N. plate—top left dashboard
3. Certification plate—left door post

The numbers used above for the V.I.N. explanation, represent the following codes:

- A = Alphabetic characters only
- 9 = Numeric characters only
- X = Alphabetic or numeric characters

## MANUFACTURER IDENTIFICATION CODE

AA9

AA99A

X

AA999999

This three character code is used to designate the manufacturer, make and type of vehicle

AA9

J = Japan

AA9

F = FUJI HEAVY INDUSTRIES LTD. SUBARU

AA9

- 1 = Passenger Vehicle
- 2 = Multi-purpose passenger vehicle
- 3 = Truck

## VEHICLE ATTRIBUTES

AA9      AA99A      X      AA999999

This five digit section of the V.I.N. contains various attributes that are unique to each type of vehicle.

A      A      9      9      A

### WEIGHT CLASS

A—Less than 3000 lbs. - GVWR  
B—3001 - 4000 lbs. - GVWR

### MODEL INFORMATION

1—Standard Model  
2—DL Model  
3—GL Model (81-86)  
4—GLF Model (81-82) GL-10 Model (85-86)  
5—Turbo Model  
6—Turbo RX Model

### SERIES AND ENGINE TYPE

1—1300cc  
2—1600cc  
3—1600cc/4wd  
4—1800cc  
5—1800cc/4wd (w/o Air suspension)  
7—1800cc/4wd (w/Air Suspension)

### BODY TYPE

B—4 door 1981-84  
C—4 door 1985-86  
F—Hatchback 1981-86  
G—3 door 1986  
M—Station Wagon 1981-84  
N—Station Wagon 1985-86  
R—Brat 1981 only  
T—Brat 1982-1985  
U—Brat 1986  
W—Hardtop 1981-1984  
X—XT Coupe 1985-86

### LINE RESTRAINT TYPE

A = Fuji Subaru Line and Seat Belts  
B = Fuji Subaru Line and Air Bag

## CHECK DIGIT

AA9      AA99A      X      AA999999

The ninth character of the V.I.N. is the check digit. This digit is the result of a mathematical formula using the other sixteen characters in the V.I.N. Its purpose is to insure the accuracy of the V.I.N. The value of the check digit varies, it can be "0" thru "9" or "X".

### Check Digit Formula:

The check digit can be determined by:

1. Multiplying the V.I.N. character value by the weight factor of each character position.
2. Adding all the products to obtain a total and divide by 11, and the numerator of the remaining fraction is the *check digit*.

### Character Values:

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 Factors:

V.I.N. Character position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Weight factor:	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2

### Example:

V.I.N.: J F 1 A F 2 1 B \_ G A 1 0 0 0 0 1

Character Value:	1	6	1	1	6	2	1	2	0	7	1	1	0	0	0	0	1
------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

### Multiplied by

Weight Factor:	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
----------------	---	---	---	---	---	---	---	----	---	---	---	---	---	---	---	---	---

### Equals The

Product:  $8 + 42 + 6 + 5 + 24 + 6 + 2 + 20 + 0 + 63 + 8 + 7 + 0 + 0 + 0 + 0 + 2 = 193$

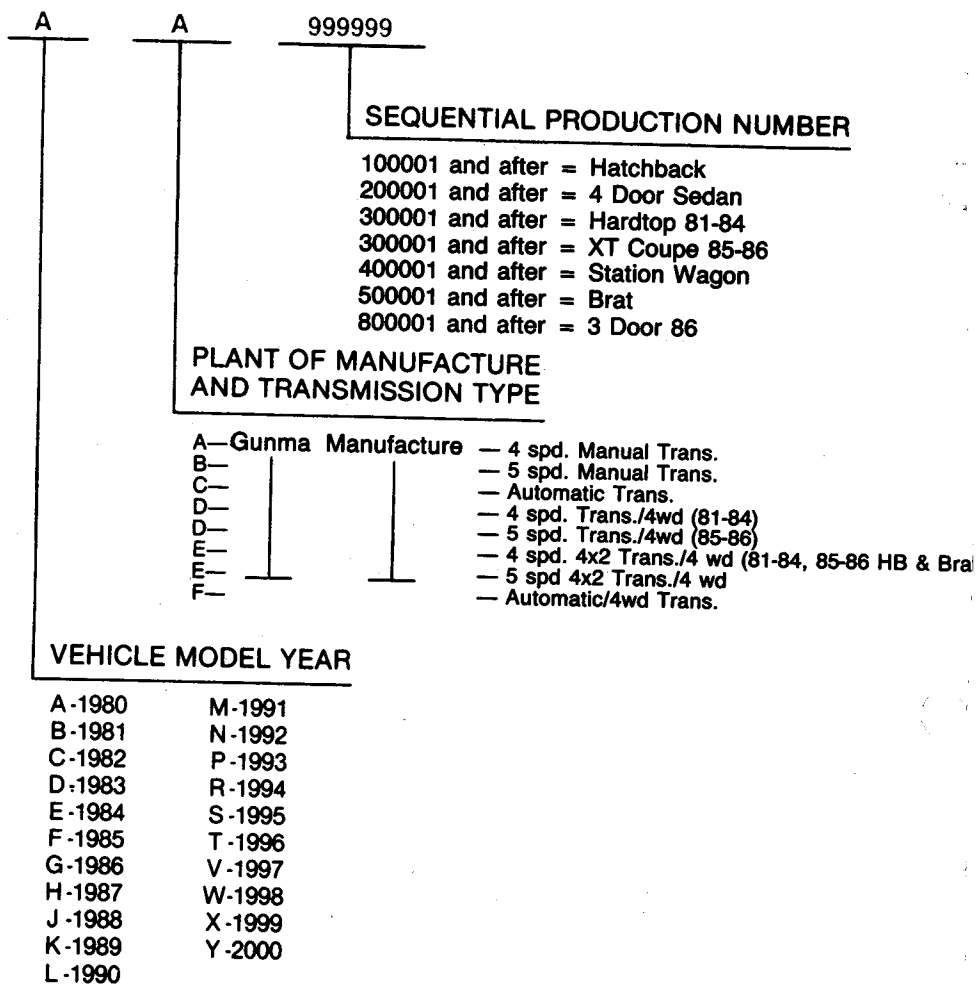
Addition of the Products = 193

$193 \div 11 = 17\frac{5}{11}$ ; 5 = The Check Digit that will appear in the 9th Character Position of the V.I.N.

# VEHICLE IDENTIFICATION SECTION

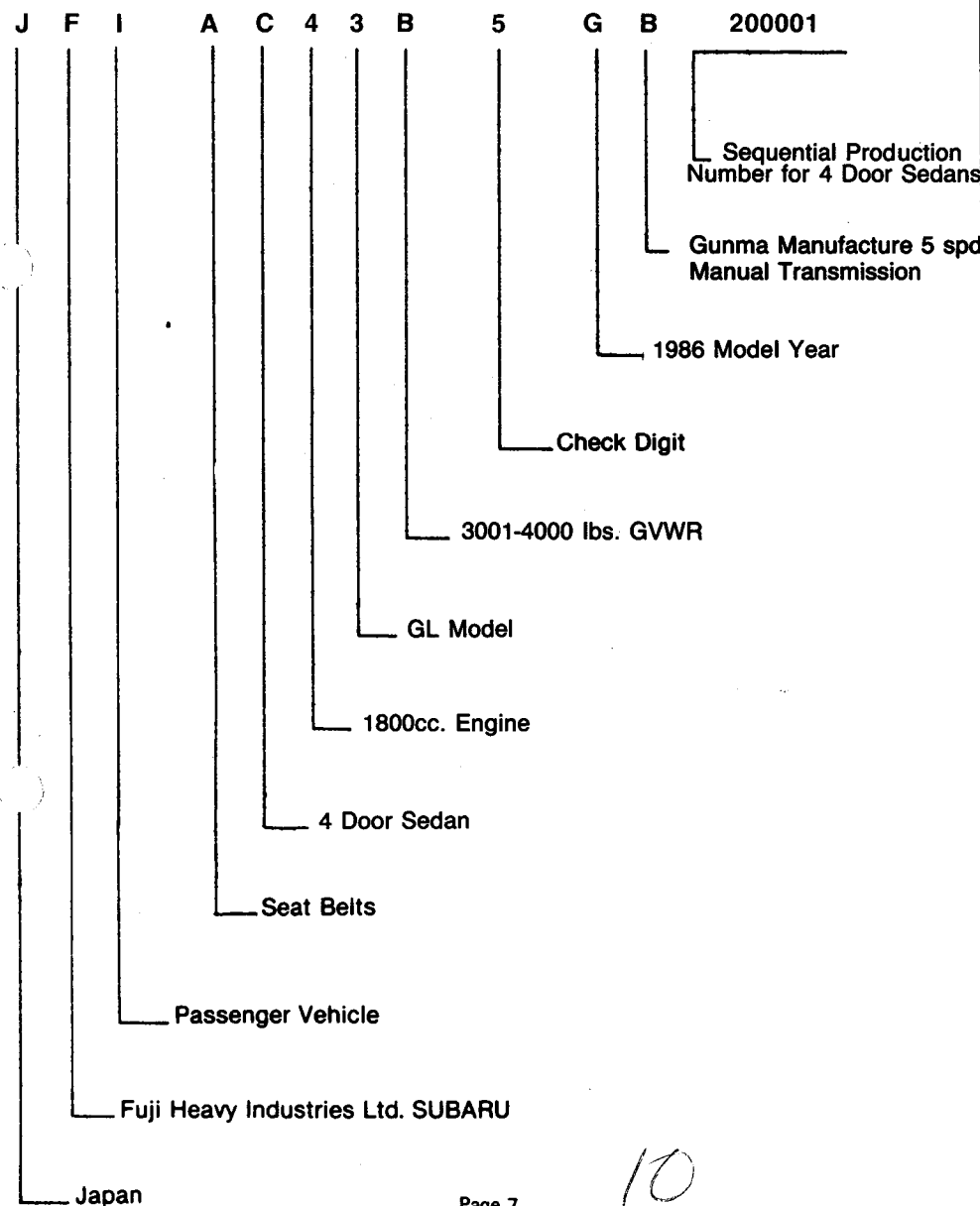
AA9 AA99A X AA999999

This section of the V.I.N. contains three types of information:



# SAMPLE V.I.N.

Below is a sample V.I.N., broken down for explanation purposes using the new format.



## SUBARU STARTING V.I.N.

MDL CODE	CURRENT MODELS	1986 V.I.N.
GAA STD	Hatchback 4 Speed	JF1 AF21BX GA100001
GAB GL	Hatchback 5 Speed	JF1 AF23BX GB100001
GAC GL	Hatchback Automatic	JF1 AF43BX GC100001
GAD GL	Hatchback 4 WD 4 Speed D/R	JF2 AF53BX GE100001
GBA DL	3 Door 5 Speed	JF1 AG42BX GB800001
GBB GL	3 Door 5 Speed	JF1 AG43BX GB800001
GBC GL	3 Door Automatic	JF1 AG43BX GC800001
GBD GL	3 Door 4 WD 5 Speed D/R	JF2 AG53BX GE800001
GBE GL	3 Door 4 WD Automatic	JF2 AG53BX GF800001
GBF GL	3 Door 4 WD 5 Speed D/R Turbo	JF2 AG55BX GE800001
GCA DL	4 Door 5 Speed	JF1 AC42BX GB200001
GCB GL	4 Door 5 Speed	JF1 AC43BX GB200001
GCE GL	4 Door Automatic	JF1 AC43BX GC200001
GCI GL-10	4 Door Automatic	JF1 AC44BX GC200001
GCJ GL-10	4 Door 5 Speed Turbo	JF1 AC45BX GB200001
GCK GL-10	4 Door Automatic Turbo	JF1 AC45BX GC200001
GCL GL	4 Door 4 WD 5 Speed D/R	JF2 AC53BX GE200001
GCM GL	4 Door 4 WD Automatic	JF2 AC53BX GF200001
GCO GL-10	4 Door 4 WD 5 Spd Turbo	JF2 AC75BX GD200001
GCP GL-10	4 Door 4 WD Automatic Turbo	JF2 AC75BX GF200001
GCQ RX	4 Door 4 WD 5 Speed D/R Turbo	JF2 AC56BX GE200001
GDA DL	XT Coupe 5 Speed	JF1 AX42BX GB300001
GDB GL	XT Coupe 5 Speed	JF1 AX43BX GB300001
GDC GL	XT Coupe Automatic	JF1 AX43BX GC300001
GDD GL-10	XT Coupe 5 Speed Turbo	JF1 AX45BX GB300001
GDE GL-10	XT Coupe Automatic Turbo	JF1 AX45BX GC300001
GDF GL-10	XT Coupe 4 WD 5 Speed Turbo	JF2 AX75BX GD300001
GDG GL-10	XT Coupe 4 WD Automatic Turbo	JF2 AX75BX GF300001
GEA DL	Station Wagon 5 Speed	JF1 AN42BX GB400001
GEB GL	Station Wagon 5 Speed	JF1 AN43BX GB400001
GED GL	Station Wagon Automatic	JF1 AN43BX GC400001
GEG GL-10	Station Wagon Automatic	JF1 AN44BX GC400001
GEH GL-10	Station Wagon 5 Speed Turbo	JF1 AN45BX GB400001
GEI GL-10	Station Wagon Automatic Turbo	JF1 AN45BX GC400001
GEJ DL	Station Wagon 4 WD 5 Speed	JF2 AN52BX GD400001
GEK GL	Station Wagon 4 WD 5 Speed D/R	JF2 AN53BX GE400001
GEM GL	Station 4 WD Automatic	JF2 AN53BX GF400001
GEP GL-10	Station Wagon 4 WD 5 Speed Turbo	JF2 AN55BX GD400001
GEQ GL-10	Station Wagon 4 WD Automatic Turbo	JF2 AN75BX GF400001
GFA GL	Brat 4 WD D/R 4 Speed	JF3 AU53BX GE500001

## SUBARU STARTING V.I.N.

MDL CODE	CURRENT MODELS	1985 V.I.N.
FAA STD	Hatchback 4 Speed	JF1 AF21BX FA100001
FAB GL	Hatchback 5 Speed	JF1 AF43BX FB100001
FAC GL	Hatchback Automatic	JF1 AF43BX FC100001
FAD GL	Hatchback 4 WD D/R	JF2 AF53BX FE100001
FBA DL	4 Door Sedan 4 Speed	JF1 AC42BX FA200001
FBB DL	4 Door Sedan 5 Speed	JF1 AC42BX FB200001
FBC GL	4 Door Sedan 5 Speed	JF1 AC43BX FB200001
FBF GL	4 Door Sedan Automatic	JF1 AC43BX FC200001
FBI GL-10	4 Door Sedan 5 Speed	JF1 AC44BX FB200001
FBK GL-10	4 Door Sedan Automatic	JF1 AC44BX FC200001
FBM GL	4 Door Sedan Automatic 4 WD	JF2 AC53BX FF200001
FBO GL	4 Door Sedan 5SPD 4 WD D/R Turbo (RX)	JF2 AC56BX FE200001
FBP GL	4 Door Sedan 5 Speed 4 WD D/R Turbo	JF2 AC75BX FE200001
FBR GL	4 Door Sedan 4 WD Auto Turbo	JF2 AC75BX FF200001
FCA DL	Hardtop 5 Speed	JF1 AX42BX FB300001
FCB GL	Hardtop 5 Speed	JF1 AX43BX FB300001
FCD GL	Hardtop Automatic	JF1 AX43BX FC300001
FCF GL-10	Hardtop 5 Speed Turbo	JF1 AX45BX FB300001
FCG GL-10	Hardtop Automatic Turbo	JF1 AX45BX FC300001
FCH GL-10	Hardtop 5 Speed 4 WD Turbo	JF2 AX75BX FD300001
FCI GL-10	Hardtop 4 WD Automatic Turbo	JF2 AX75BX FF300001
FDA DL	Station Wagon 5 Speed	JF1 AN42BX FB400001
FDB GL	Station Wagon 5 Speed	JF1 AN43BX FB400001
FDE GL	Station Wagon Automatic	JF1 AN43BX FC400001
FDH GL-10	Station Wagon 5 Speed	JF1 AN44BX FB400001
FDJ GL-10	Station Wagon Automatic	JF1 AN44BX FC400001
FDL DL	Station Wagon 4 WD 5 Speed	JF2 AN52BX FD400001
FDM GL	Station Wagon 4 WD D/R 5 Speed	JF2 AN53BX FE400001
FP GL	Station Wagon Automatic 4 WD	JF2 AN53BX FF400001
FDS GL	Station Wagon Automatic 4 WD Turbo	JF2 AN55BX FF400001
FEA GL	Brat 4 WD D/R 4 Speed	JF2 AT53BX FE500001
FEB GL	Brat Automatic 4 WD	JF2 AT53BX FF500001