

INTERNATIONAL STANDARD

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Passenger cars — Car radio identification number (CRIN)

Voitures particulières — Numéro d'identification des autoradios (CRIN)



Reference number
ISO 10486:1992(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10486 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

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Passenger cars — Car radio identification number (CRIN)

1 Scope

This International Standard specifies the structure of a car radio identification number (CRIN) in order to establish a uniform identification numbering system for car radios installed and connected in passenger cars. It further specifies requirements on the marking of such car radios.

It also recommends providing a separate identification card containing the same information.

2 Car radio identification number (CRIN)

2.1 General

The CRIN consists of four sections as detailed in 2.2 to 2.5 (see example in 2.6).

The sections may be separated by punctuation marks (dividers) which do not form a part of the CRIN. Care shall be taken that punctuation marks cannot be confused with the CRIN characters. Blank spaces shall not be used as punctuation marks.

Only the following arabic numerals and capital Roman letters shall be used for CRIN characters:

1	2	3	4	5	6	7	8	9	0														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	U	V	W	X	Y	Z

The letters O and Q shall not be used for CRIN.

These characters shall be used for the sections in 2.2, 2.3 and 2.5. The model year shall be indicated only by the characters given in 2.4.

Further means to identify the car radio, for example bar codes, may be used but they shall not replace the CRIN.

2.2 First section

The first section shall contain two characters giving the identifier of the car radio manufacturer.

Manufacturers of car radios who require use of a CRIN shall submit their identifier to FAKRA¹⁾ for validation to ensure that the identifier has not been used previously. FAKRA will then duly check the proposed identifier against a master list and either approve it, or propose an alternative if necessary.

2.3 Second section

The second section shall contain four characters giving the car radio model identifier.

2.4 Third section

The third section shall contain one character to identify the model year of the car radio, as shown in table 1.

NOTE 1 This identifier is the same as the identifier specified in ISO 3779:1983, *Road vehicles — Vehicle identification number (VIN) — Content and structure*.

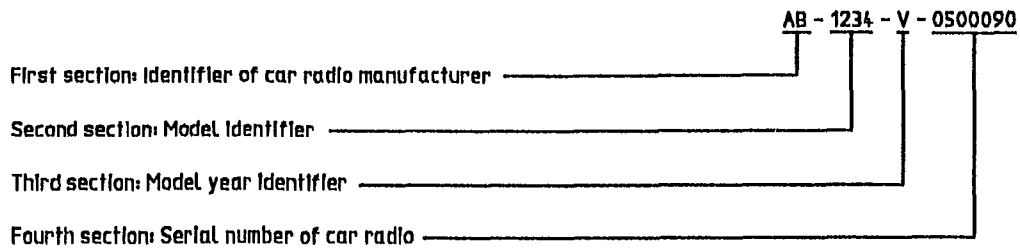
2.5 Fourth section

The fourth section shall contain seven characters giving the serial number of the car radio.

1) FAKRA is the registration authority designated for CRIN, in accordance with the IEC/ISO Directives.

Address of FAKRA: Normenausschuss Kraftfahrzeuge (FAKRA) im DIN, Postfach 170563, D-6000 Frankfurt/Main 17, Germany.

2.6 Example of CRIN



3 Requirements for marking of car radio

The car radio chassis shall have the CRIN, as specified by the car radio manufacturer, clearly and indelibly marked on it, at a place where it is visible without disassembling any part of the car radio.

Table 1 — Characters used for designating the year

Year	Code	Year	Code	Year	Code
1992	N	1998	W	2004	4
1993	P	1999	X	2005	5
1994	R	2000	Y	2006	6
1995	S	2001	1	2007	7
1996	T	2002	2	2008	8
1997	V	2003	3	2009	9
				2010	A

4 Optional identification card

It is recommended that an identification card be provided by the car radio manufacturer, showing the corresponding CRIN and stating on the card that it should be kept separate from the vehicle.

EXAMPLE

<p>Identification card</p> <p>(Name or trade-mark of the car radio)</p> <p>CRIN: AB1234V0500090</p> <p>Keep card separate from your vehicle!</p>
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