

Manufacturing date

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BOSCH

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1 Scope

All products of the Bosch Group receive a manufacturing date (MD), either coded or uncoded. The development department in charge specifies type, extent and arrangement of the MD, including additional information based on the Bosch-Norm N41A A1 for the drawing (see chapter 4).

The following applies:

- ▶ Since 2000-01-01 new products of the **Automotive Technology Business Sector** receive an uncoded manufacturing date in accordance with chapter 3. In case of products already existing at that time no change takes place, neither in case of new variants of already existing products. Exception: In case of lack of space, a coded manufacturing date in accordance with chapter 2 is permitted even for new products.
- ▶ All **other Business Divisions** use a coded manufacturing date in accordance with chapter 2. In exceptional cases also the uncoded manufacturing date according to chapter 3 may be used.

The manufacturing date is aimed at as mark for the final acceptance inspections.

No product must be predated beyond the time of delivery if the manufacturing date is already applied during production.

2 Coded manufacturing date (date codes)

2.1 Month manufacturing date (month MD)

The following systems of month codes form the basis of the month manufacturing date from 1964 to 2013:

2007 = 781 to 792 2010 = 001 to 012
 To and to
 2009 = 981 to 992 2013 = 301 to 312

Table 1 Month codes from 2007 to 2013:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007	781	782	783	784	785	786	787	788	789	790	791	792
2008	881	882	883	884	885	886	887	888	889	890	891	892
2009	981	982	983	984	985	986	987	988	989	990	991	992
2010	001	002	003	004	005	006	007	008	009	010	011	012
2011	101	102	103	104	105	106	107	108	109	110	111	112
2012	201	202	203	204	205	206	207	208	209	210	211	212
2013	301	302	303	304	305	306	307	308	309	310	311	312

Month manufacturing date (month MD) beginning as of the year 2014:

For the years 2014 to 2029 the manufacturing date is generated of the non taken numbers of the years 1964 to 1999.

The following systems of month codes form the basis of the month manufacturing date from 2014 to 2029:

2014 = 417 to 420 and 453 to 460 2020 = 037 to 040 and 073 to 080
 To and to
 2019 = 917 to 920 and 953 to 960 2029 = 937 to 940 and 973 to 980

Table 2 Month codes from 2014 to 2029:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	417	418	419	420	453	454	455	456	457	458	459	460
2015	517	518	519	520	553	554	555	556	557	558	559	560
2016	617	618	619	620	653	654	655	656	657	658	659	660
2017	717	718	719	720	753	754	755	756	757	758	759	760
2018	817	818	819	820	853	854	855	856	857	858	859	860
2019	917	918	919	920	953	954	955	956	957	958	959	960
2020	037	038	039	040	073	074	075	076	077	078	079	080
2021	137	138	139	140	173	174	175	176	177	178	179	180
2022	237	238	239	240	273	274	275	276	277	278	279	280
2023	337	338	339	340	373	374	375	376	377	378	379	380
2024	437	438	439	440	473	474	475	476	477	478	479	480
2025	537	538	539	540	573	574	575	576	577	578	579	580
2026	637	638	639	640	673	674	675	676	677	678	679	680
2027	737	738	739	740	773	774	775	776	777	778	779	780
2028	837	838	839	840	873	874	875	876	877	878	879	880
2029	937	938	939	940	973	974	975	976	977	978	979	980

Month manufacturing date (month MD) as of the year 2030:

Table 3 Alphanumeric month codes from 2030 to 2059:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2030	0A1	0A2	0A3	0A4	0A5	0A6	0A7	0A8	0A9	0AA	0AB	0AC
2031	1A1	1A2	1A3	1A4	1A5	1A6	1A7	1A8	1A9	1AA	1AB	1AC
2032	2A1	2A2	2A3	2A4	2A5	2A6	2A7	2A8	2A9	2AA	2AB	2AC
2033	3A1	3A2	3A3	3A4	3A5	3A6	3A7	3A8	3A9	3AA	3AB	3AC
2034	4A1	4A2	4A3	4A4	4A5	4A6	4A7	4A8	4A9	4AA	4AB	4AC
2035	5A1	5A2	5A3	5A4	5A5	5A6	5A7	5A8	5A9	5AA	5AB	5AC
2036	6A1	6A2	6A3	6A4	6A5	6A6	6A7	6A8	6A9	6AA	6AB	6AC
2037	7A1	7A2	7A3	7A4	7A5	7A6	7A7	7A8	7A9	7AA	7AB	7AC
2038	8A1	8A2	8A3	8A4	8A5	8A6	8A7	8A8	8A9	8AA	8AB	8AC
2039	9A1	9A2	9A3	9A4	9A5	9A6	9A7	9A8	9A9	9AA	9AB	9AC
2040	0B1	0B2	0B3	0B4	0B5	0B6	0B7	0B8	0B9	0BA	0BB	0BC
2041	1B1	1B2	1B3	1B4	1B5	1B6	1B7	1B8	1B9	1BA	1BB	1BC
2042	2B1	2B2	2B3	2B4	2B5	2B6	2B7	2B8	2B9	2BA	2BB	2BC
2043	3B1	3B2	3B3	3B4	3B5	3B6	3B7	3B8	3B9	3BA	3BB	3BC
2044	4B1	4B2	4B3	4B4	4B5	4B6	4B7	4B8	4B9	4BA	4BB	4BC
2045	5B1	5B2	5B3	5B4	5B5	5B6	5B7	5B8	5B9	5BA	5BB	5BC
2046	6B1	6B2	6B3	6B4	6B5	6B6	6B7	6B8	6B9	6BA	6BB	6BC

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2047	7B1	7B2	7B3	7B4	7B5	7B6	7B7	7B8	7B9	7BA	7BB	7BC
2048	8B1	8B2	8B3	8B4	8B5	8B6	8B7	8B8	8B9	8BA	8BB	8BC
2049	9B1	9B2	9B3	9B4	9B5	9B6	9B7	9B8	9B9	9BA	9BB	9BC
2050	0C1	0C2	0C3	0C4	0C5	0C6	0C7	0C8	0C9	0CA	0CB	0CC
2051	1C1	1C2	1C3	1C4	1C5	1C6	1C7	1C8	1C9	1CA	1CB	1CC
2052	2C1	2C2	2C3	2C4	2C5	2C6	2C7	2C8	2C9	2CA	2CB	2CC
2053	3C1	3C2	3C3	3C4	3C5	3C6	3C7	3C8	3C9	3CA	3CB	3CC
2054	4C1	4C2	4C3	4C4	4C5	4C6	4C7	4C8	4C9	4CA	4CB	4CC
2055	5C1	5C2	5C3	5C4	5C5	5C6	5C7	5C8	5C9	5CA	5CB	5CC
2056	6C1	6C2	6C3	6C4	6C5	6C6	6C7	6C8	6C9	6CA	6CB	6CC
2057	7C1	7C2	7C3	7C4	7C5	7C6	7C7	7C8	7C9	7CA	7CB	7CC
2058	8C1	8C2	8C3	8C4	8C5	8C6	8C7	8C8	8C9	8CA	8CB	8CC
2059	9C1	9C2	9C3	9C4	9C5	9C6	9C7	9C8	9C9	9CA	9CB	9CC

The code can be continued until the year 2289.

2.2 Quarter manufacturing date (quarter MD)

No special codes are established for the quarter. If in special cases a quarter manufacturing date is necessary, in this case use the code of the second month in the quarter.

Examples:

659 for the 4th quarter 2016 (November 2016 substitutional for the 4th quarter)
 1A5 for the 2nd quarter 2031 (May 2031 substitutional for the 2nd quarter)

2.3 Day manufacturing date (day MD)

The day manufacturing date consists of the 3-digit month code and two additional digits for the calendar day, added as suffix.

Examples:

61904 for the 4th March 2016 (619 for the month manufacturing date and 04 for the calendar day)
 7B719 for the 19th July 2047 (7B7 for the month manufacturing date and 19 for the calendar day)

2.4 Day manufacturing date (day MD) with shift code

If a shift code is necessary, add one of the figures 1 to 4 to the day manufacturing date for the respective shift as 6th digit.

Examples:

619043 for the 3rd shift on 4th of March 2016 (61904 for the day manufacturing date and 3 for the 3rd shift)
 7B7192 for the 2nd shift on 19th of July 2047 (7B719 for the day manufacturing date and 2 for the 2nd shift)

2.5 Week manufacturing date (week MD)

No special codes are established for the week. If a week code suffices as manufacturing date, in that case use the code for the respective Wednesday.

Examples:

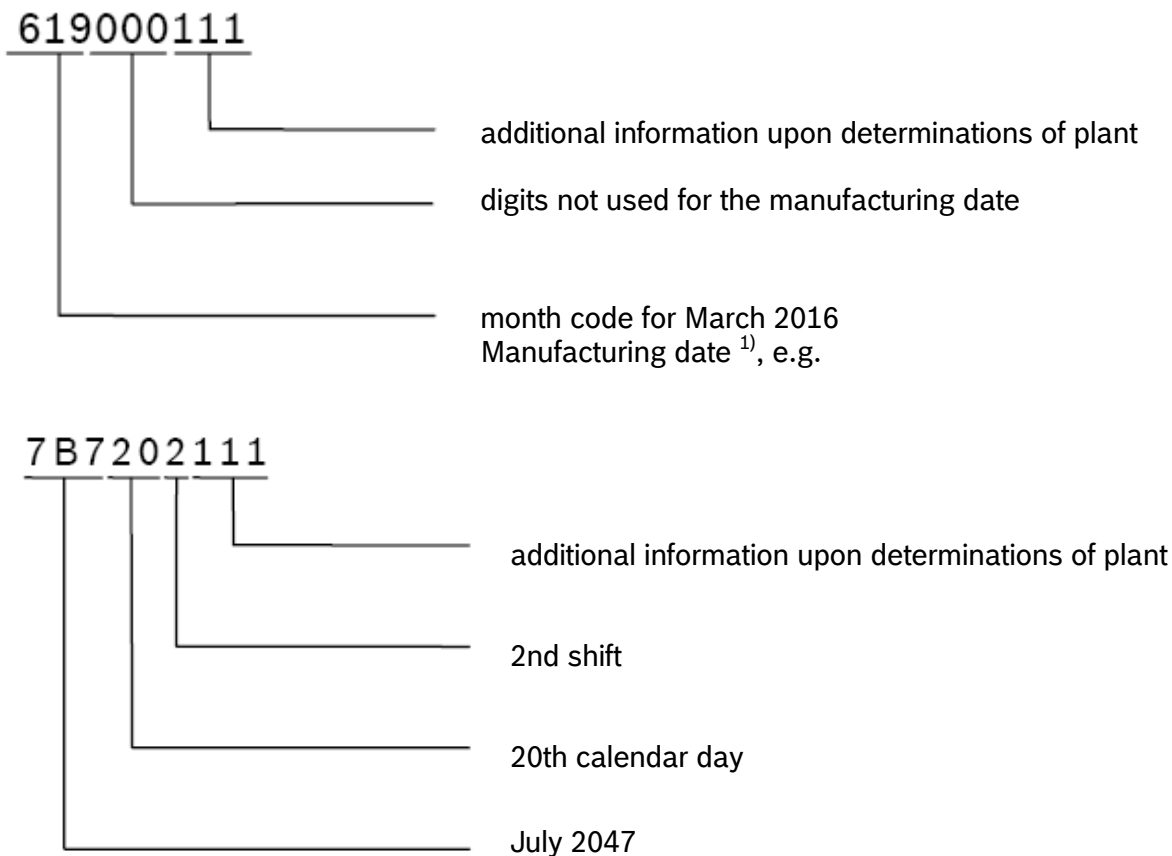
61923 for the 12th calendar week 2016	(Wednesday 2016-03-23)
3B715 for the 29th calendar week 2043	(Wednesday 2043-07-15)

2.6 Manufacturing date with additional information

Necessary additional information to the manufacturing date (for example for production line, test equipment etc.) shall be determined by each plant and added as 7th, 8th and 9th digit as suffix.

If no day or shift code shall be indicated, in that case fill the digits 4, 5, 6 with zeros. Doing so, the coded manufacturing date with additional information appears always as 9-digit expression.

Figure 1 Examples:



3 Uncoded manufacturing date

Hint for english translation:

Instead of DIN ISO 8601 in German, the ISO 8601 is applied in English respectively.

General:

The representation of the uncoded manufacturing date is completely adopted from the DIN ISO 8601 chapter 4 "Calendar date basis format".

The current version of the ISO 8601 does no longer contain the 2-digit representation of the year. This 2-digit representation of the year is also in the Bosch Group no longer permitted to be applied as manufacturing date.

Exception:

In case of lack of space the 2-digit representation of the year may be applied.

In order to avoid any confusion between the coded manufacturing date and the coded manufacturing date with shift code, a hyphen has to be inserted as separator between year and month, and if required also between month and day.

Examples for exceptions:

08-03	for March 2008.
08-03-04	for 4th of March 2008

Transitional rules:

Investment protection overrides the application of the revised Bosch-Norm.

This means: The revision applies to new projects.

Ongoing projects and products need not to be adapted.

Even variants of already existing products do not require change of date.

3.1 Uncoded day manufacturing date

The uncoded day manufacturing date is the day code in accordance with ISO 8601.

Examples:

20080304	for the 4th of March 2008 in basic format in accordance with ISO 8601 <u>or</u>
2008-03-04	for the 4th of March 2008 in enlarged format in accordance with ISO 8601.
20270719	for the 19th of July 2027 in basic format in accordance with ISO 8601 <u>or</u>
2027-07-19	for the 19th of July 2027 in enlarged format in accordance with ISO 8601.

3.2 Uncoded day manufacturing date with shift code

A 4-digit number is defined for the shift code and further information in addition to the uncoded day manufacturing date, and placed near to the uncoded manufacturing date, for example in the line below the uncoded manufacturing date.

As shift code one of the figures 1, 2, 3, 4 is used and inserted in the first digit of the 4-digit number. If no further additional information is made, the digits 2, 3, 4 of the number shall be filled with "zero".

Examples:

20080304	for the 4th of March 2008 in basic format in accordance with ISO 8601
2000	'2' for 2nd of shift, additional information is not given.
	or
2008-03-04	for 4th of March 2008 in enlarged format in accordance with ISO 8601.
2000	'2' for 2nd of shift, additional information is not given.

3.3 Uncoded day manufacturing date with additional information

As described under 3.2, the shift code and additional information are combined as a 4-digit figure.

Additional information is defined by each plant and represented as 2nd, 3rd and 4th digit of the figure.

If no shift code is given, the 1st digit of the figure shall be filled with the figure "zero".

Examples:

20270719	for the 19th of July 2027 in basic format in accordance with ISO 8601
2154	2 for 2nd of shift "154" is additional plant specific information.
	or
2027-07-19	for the 19th of July 2027 in enlarged format in accordance with ISO 8601.
3154	3 for 2nd of shift "154" is additional plant specific information.

3.4 Uncoded month and quarter manufacturing date

The uncoded month manufacturing date is the month code in accordance with ISO 8601.

Examples:

202710		The month October 2027 in basic format in accordance with ISO 8601
	or	
2027-10		The month October 2027 in enlarged format in accordance with ISO 8601.

As uncoded quarter manufacturing date the uncoded month manufacturing date in each case for first month of a quarter.

Examples:

202707		The month July 2027 for the 3rd quarter 2027 in basic format in accordance with ISO 8601
	or	
2027-07		The month July 2027 for the 3rd quarter 2027 in enlarged format in accordance with ISO 8601.

4 Drawing specifications

The required manufacturing date is to be specified on the drawing by quoting the subclause number 2.1 to 2.6 or 3.1 to 3.4.

example:

"MD according to N41A A4-2.4" if the day manufacturing date with shift code is required.

If additional information according to 2.6 or 3.3 is required, corresponding additional data are necessary.

If on existing drawings it is only stated: **"MD according to N41A A4"**, the 3-digit month MD according to 2.1 has been applied up to now. If the drawing is modified and if the coded month MD can be kept, add the subclause number 2.1 to the former drawing specification in order to avoid misunderstandings and unnecessary further inquiries.

example:

"MD according to N41A A4-2.1".

References:

- ▶ N41A A1
- ▶ DIN ISO 8601