

ICS 43.020
CCS T 08



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 4094.2-2017

Replacing 4094.2-2005

**Electric Vehicles — Symbols for Controls, Indicators and
Tell-tales**

电动汽车 操纵件、指示器及信号装置的标志

Issued on: September 29, 2017

Implemented on: July 1, 2019

Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
China National Standardization Administration..

Table of Contents

Foreword	3
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Requirements	6
5 Displaying color of tell-tales	9
6 Shape of symbols	9
7 Application method of symbols	11

Foreword

This part is drafted in accordance with the rules given GB/T 1.1-2009.

This part replaces GB/T 4094.2-2005 “electric vehicle-symbols for controls, indicators and tell-tales”.

Compared with GB/T 4094.2-2005, in addition to editorial changes, the main technical changes of this part are as follows:

- Add marked instructions and non-marked instructions of symbols for controls, indicators and tell-tales of electric vehicles; (see 4.1, 4.2, 4.3 and 4.4);
- Add the requirements of supplementing auxiliary information based on the symbols (see 4.5);
- Add the relevant provisions of symbol amendment (see 4.6);
- Modify the relevant requirements of displaying color of tell-tales (see Chapter 5, 2005 edition Chapter 5);
- Modify the symbol for the state of charge of power storage battery (see
- Modify the ready symbol of driving system (see Table 1-No.2, Table 1-
- Add the limitation symbol of driving power (see Table 1-No.3);
- Modify the connection symbol of external charging cable (see Table 1-
- Modify the fault symbol of power storage battery (see Table 2-No.1, Table
- Modify the fault symbol of drive motor (see Table 2-No.2, Table 1-No.5 of
- Add the temperature symbol of power storage battery (see Table 2-No.4);
- Add driving range symbol (see Table 3-No.1);
- Add warning tone symbol for low speed of vehicles (see Table 3-No.2);
- Add fixed time charging symbol (see Table 3, No.3);
- Add the symbol for electric-only driving mode of hybrid electric vehicle (see Table 3-No.4);
- Delete the cutting off symbol of power storage battery (see Table 1-No.4
- Delete the symbol for fuse box entrance of motor circuit (see Table 1-No.9
- Delete the symbol for high voltage warning / electric shock hazard (see
- Modify symbol figures (see Figure 1-Figure 10, Figure 1-Figure 10 of 2005 edition).

This part was proposed by Ministry of Industry and Information Technology of the People's Republic of China.

This part shall be under the jurisdiction of National Technical Committee of Auto

Standardization (SAC/TC 114).

The drafting organizations of this part: China Automotive Technology Research Center, Anhui Ankai Automobile Co., Ltd., Shenzhen BYD Automobile Co., Ltd., Hunan CRRC Times Electric Vehicle Co., Ltd., Brilliance Automotive Group Holdings Ltd., China First Automobile Co., Ltd., Zhejiang Geely Automobile Research Institute Co., Ltd., Dongfeng Motor Group Co., Ltd. Passenger Vehicle Company, Chongqing Changan New Energy Automobile Co., Ltd., Great Wall Motor Co., Ltd., Zhengzhou Yutong Bus Co., Ltd., Shanghai Motor Vehicle Testing Center, Beijing Hyundai Motor Co., Ltd., Dongfeng Motor Co., Ltd. Dongfeng Nissan Passenger Vehicle Company, Guangzhou Toyota Motor Co., Ltd., China Automotive Engineering Research Institute Co., Ltd., Liuzhou Wuling Automobile Industry Co., Ltd., Chongqing Vehicle Test & Research Institute, FAW Haima Motor Co., Ltd., Xiangyang Daan Automobile Testing Center, Beijing New Energy Automobile Co., Ltd., Beiqi Foton Motor Co., Ltd., Qoros Automotive Co., Ltd., SAIC Motor Corporation Limited Technical Center, Shanghai E-Propulsion Auto Technology Co., Ltd., SAIC-GM-Wuling Automobile Co., Ltd., Chery New Energy Vehicle Technology Co., Ltd., Pan-Asia Technical Automotive Center Co., Ltd., BMW Brilliance Automotive Co., Ltd. Shandong New Ocean Electric Vehicle Co., Ltd., Southeast (Fujian) Automotive Industry Co., Ltd.

The main drafters of this part: Zhang Yingnan, Lu Chun, Chen Shundong, Zhao Jingwei, Ling Heping, Zhu He, Guan Pengshu, Yi Maoming, Wang Hongjun, Liu Jialiang.

1 Scope

This part of GB/T 4094 specifies the unique symbols for controls, indicators and tell-tales of electric vehicles and the basic requirements of tell-tales displaying color.

This part applies to electric vehicles.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this document. For undated references, the latest version (including all amendments) applies to this document.

3 Terms and definitions

Terms and definitions defined in GB 4094, GB/T 4782, GB/T19596 apply to this document.

4 Requirements

4.1 If electric vehicles are equipped with controls, indicators and tell-tales of electric vehicles listed in Table 1, the corresponding symbols shall be marked. Symbols shall be