

ICS 43.040.60

CCS T 26



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

GB 15084-2022

Replacing GB 15084-2013

**Motor vehicles - Devices for indirect vision -
Requirements of performance and installation**

机动车辆 间接视野装置性能和安装要求

Issued on: December 29, 2022

Implemented on: July 01, 2023

**Issued by: State Administration for Market Regulation;
Standardization Administration of PRC.**

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This document replaces GB 15084-2013 "Motor vehicles - Devices for indirect vision - Requirements of performance and installation". Compared with GB 15084-2013, except for structural adjustment and editorial changes, the main technical changes are as follows:

- a) CHANGE the definitions of the following terms: device for indirect vision, mirror, surveillance mirror, radius of curvature, critical object, detection distance, forward control cab (see 3.1, 3.2, 3.5, 3.6, 3.18, 3.19, 3.26; 3.1, 3.2, 3.5, 3.8, 3.21, 3.24, 3.31 of the 2013 edition);
- b) DELETE the terms and definitions, such as category of mirrors, mirror type, basic radius of curvature at a certain point on the reflecting surface, radius of curvature at a certain point on the reflecting surface, vehicle type related to the mirror, total field of view of both eyes, unloaded mass, critical vision, observation reference point, visible spectrum, device for indirect vision type (see 3.6, 3.7, 3.9, 3.10, 3.13, 3.15, 3.16, 3.22, 3.26, 3.27, 3.30 of the 2013 edition);
- c) ADD the terms and definitions, such as spherical surface, aspherical surface, aspherical mirror, camera-monitor system, luminance contrast, mirror and CMS dual function system, point light source detection factor, point light source contrast factor, ocular reference point (see 3.7, 3.8, 3.9, 3.12, 3.16, 3.22, 3.23, 3.24, 3.27);
- d) ADD the type of device for indirect vision (see 4.1);
- e) CHANGE the relevant requirements on the edge of the reflecting surface of category I mirrors (see 4.2.1.2; 4.1.1.2 of the 2013 edition);
- f) ADD the requirement that the edges of the outer surface parts whose protrusion height is less than 5 mm shall be chamfered (see 4.2.1.5);
- g) ADD the measurement method for the protrusion height of the outer surface of the mirror (see 4.2.1.5);
- h) DELETE the total time requirement for the device for indirect vision to scan, image, return to the initial position (see 4.2.1.2 of the 2013 edition);
- i) CHANGE the requirements for the reflecting surface of the mirror (see 4.2.2.2.1; 4.1.2.2.1 of the 2013 edition);

- j) ADD the general requirements of CMS (see 4.3.1);
- k) ADD the functional requirements for CMS from category I to category IV (see 4.3.2);
- l) CHANGE the functional requirements for CMS of category V and category VI (see 4.3.3; 4.2.2.2 of the 2013 edition);
- m) ADD impact requirements for CMS (see 5.2.2.4);
- n) CHANGE the minimum installation quantity of device for indirect visions and vision requirements (see Table 5; Table 2 of the 2013 edition);
- o) CHANGE the field of view requirements for category V device for indirect visions (see 6.5.5.3; 6.5.6 of the 2013 edition);
- p) ADD the installation requirements for CMS (see Chapter 7);
- q) ADD the same type judgment (see Chapter 8);
- r) ADD the "Test methods and safety requirements for CMS from category I to category IV" (see Appendix C);
- s) ADD the "Calculation of detection distance of CMS of category V and category VI" (see Appendix D);
- t) ADD the "Determination of size of objects displayed by CMS of category V and category VI" (see Appendix E).

This document was proposed by AND shall be under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China.

This standard replaces the standard previously issued as follows:

- This document was first published in 1994; it was revised for the first time in 2006; it was revised for the second time in 2013;
- This is the third revision.

Motor vehicles - Devices for indirect vision - Requirements of performance and installation

1 Scope

This document specifies the technical requirements, test methods, installation requirements, identification of the same type of device for indirect visions for category M and category N, as well as the category L motor vehicles, which have at least a partially enclosed cab.

This document applies to device for indirect visions for motor vehicles of category M and category N, as well as the category L with at least a partially enclosed cab.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, for dated references, only the version corresponding to the date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB 11552 The interior fittings of passenger car

GB 34660 Road vehicles - Requirements and test methods of electromagnetic compatibility

ISO 9241-305 Ergonomics of human-system interaction - Part 305: Optical laboratory test methods for electronic visual displays

ISO 15008 Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation

ISO 16505 Road vehicles - Ergonomic and performance aspects of Camera Monitor Systems - Requirements and test procedures

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Device for indirect vision