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AUTOMOBILE INDUSTRY STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

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QC/T 580-2022

Replacing QC/T 580-1999

Mounting dimensions of automobile transmission assembly

汽车变速器总成安装尺寸

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Foreword

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

This document replaces QC/T 580-1999 "Automobile transmission - Mounting dimensions". Compared with QC/T 580-1999, except for editorial changes, the main technical changes are as follows:

- MODIFY the installation dimensions of the front end of the transmission assembly (see 4.1; Chapter 2 of 1999 edition);
- ADD the installation dimension of the rear end of the transmission assembly (see 4.2);
- DELETE the center distance grouping of the transmission assembly (see Chapter 2 of the 1999 edition);
- DELETE the installation dimensions of the front face of the transmission case and the rear face of the clutch case (see 2.1 ~ 2.5 of the 1999 edition).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document was proposed by AND shall be under the jurisdiction of the National Automotive Standardization Technical Committee (SAC/TC 114).

Drafting organizations of this document: Tujiang Gear Transmission Co., Ltd., Shanghai Automotive Transmission Co., Ltd., Shaanxi Fast Automobile Transmission Group Co., Ltd., Jingjin Electric Technology Co., Ltd., China Automotive Engineering Research Institute Co., Ltd., Zhengzhou Yutong Bus Co., Ltd., Chongqing Qingshan Industrial Co., Ltd., China National Heavy Duty Truck Group Co., Ltd.

The main drafters of this document: Mao Yongming, Cheng Qi, Lai Yukun, Lu Xueli, Lu Libiao, Wei Bo, Wu Xin, Yu Ping, Wang Haibin, Ou Jiafu, Fu Chao, Wang Yinshu, Liu Dongfang, Song Yake, Feng Bo, Lian Shuimei, Luo Ruixue, Zhong Wenli.

This standard replaces the standard previously issued as follows:

- First published as QC/T 580-1999 in 1999;
- This is the first revision.

Mounting dimensions of automobile transmission assembly

1 Scope

This document specifies the installation dimensions of the interface -- between the front end of the transmission assembly and the engine or drive motor, AND the interface -- between the rear end and the transmission components.

This document applies to automotive mechanical transmission assemblies.

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 is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

ISO 7646 Commercial vehicles and buses - Gearbox flanges - Type A

ISO 7647 Commercial vehicles and buses - Gearbox flanges - Type S

ISO 8667 Commercial vehicles and buses - Cross-tooth gearbox flanges - Type T

3 Terms and definitions

This document does not have terms and definitions, that need to be defined.

4 Installation structure of automobile transmission assembly

Figure 1 shows a schematic diagram of the single output installation of the front end of the automotive transmission assembly and the engine or drive motor, as well as its rear end and transmission components. The dual output or multiple output structure is implemented with reference to the single output structure.

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Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

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