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**AUTOMOBILE INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA**

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T 04

QC/T 5-2017

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**Standardization examination of automotive
product drawing and design document**

汽车产品图样及设计文件标准化审查

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Annex:

References, names and dates of implementation of 42 automotive industry standards

No.	Standard reference	Standard name	Standard reference being substituted	Date of implementation
250	QC/T 776-2017	Motor caravan	QC/T 776-2007	2017-07-01
251	QC/T 1051-2017	Coach car		2017-07-01
252	QC/T 1052-2017	Communication vehicle		2017-07-01
253	QC/T 1053-2017	Concrete spraying vehicle		2017-07-01
254	QC/T 1054-2017	Tunnel cleaning vehicle		2017-07-01
255	QC/T 1055-2017	Drainage and rescue vehicle		2017-07-01
256	QC/T 218-2017	Technical specifications for steering column upper combined switch of automobile	QC/T 218-1996	2017-07-01
257	QC/T 1056-2017	Technical requirements and test methods for automotive dual clutch automatic transmission assembly		2017-07-01
258	QC/T 245-2017	Technical specifications for isolated plant of compressed-natural-gas (CNG) automobile	QC/T 245-2002	2017-07-01
259	QC/T 247-2017	Technical specifications for isolated plant of liquefied petroleum gas	QC/T 247-2002	2017-07-01
260	QC/T 1057-2017	Car snow chains		2017-07-01
261	QC/T 1058-2017	Car fingerprint identification device		2017-07-01

273	QC/T 1060-2017	Automotive hexagonal flower flange bolts		2017-07-01
274	QC/T 1061-2017	Road transport lightweight fuel tank vehicle anti-overflow system		2017-07-01
275	QC/T 1062-2017	Road transport lightweight fuel tank vehicle unloading valve		2017-07-01
276	QC/T 1063-2017	Road transport lightweight fuel tank vehicle oil and gas recovery components		2017-07-01
277	QC/T 1064-2017	Road transport flammable liquid dangerous goods tank vehicle - breathing valve		2017-07-01
278	QC/T 1065-2017	Road transport flammable liquid dangerous goods tank vehicle - manhole cover		2017-07-01
279	QC/T 789-2017	Performance requirements and bench test methods of automobile electric vortex retarder assembly	QC/T 789-2007	2017-07-01
280	QC/T 316-2017	Bench test methods of fatigue strength for automobile service brake	QC/T 316-1999	2017-07-01
281	QC/T 201-2017	Nylon pipe joint size for automobile air brake	QC/T 201-1995	2017-07-01
282	QC/T 1066-2017	Performance requirements of cable assembly for vehicle parking brakes and bench test method		2017-07-01

Standardization examination of automotive product drawing and design document

1 Scope

This Standard specifies general requirements, content, scope, procedures for standardization examination of automotive product drawing and design document, responsibilities of standardization examination reviewers.

This Standard is applicable to the standardization examination of automotive product drawing and design document.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 20001.10, *Rules for drafting standards - Part 10: Product standards*

QC/T 3, *Integrity of automotive product drawing and design document*

QC/T 4, *Adoption and change method of automotive product drawing and design document*

QC/T 18, *Automobile products drawing and design documents - Terms*

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in QC/T 18 apply.

4 General requirements

4.1 The standardization examination of corresponding product drawing and design document shall be carried out at each stage of preliminary design, technical design and work drawing design of the product.

4.2 Standardization examination is one of the important means to check

			b) Product standardization and the possibility of increasing the degree of standardization.
		Product standards	a) Whether the designed product specifications, basic parameters and performance indicators meet the relevant standards; b) Product standardization and the possibility of increasing the degree of standardization; c) Whether technical requirements, test methods, inspection rules and related standards are consistent; d) Whether meet the requirements of GB/T 20001. 10.
		Details list	Whether the details list is filled in the specified order and format.
2	Product drawing	General	a) Whether the width, format, name and code of the drawing comply with the relevant standards; b) Whether the content of the title bar and the filling method meet the relevant standards; c) Whether the drawing of the drawings meets the national standards for mechanical drawings and relevant standards; d) Whether the terms, symbols, codes, units of measurement, etc. in the drawings comply with the relevant standards; e) Whether the technical requirements and necessary textual descriptions are concise, concise, fluent, understandable, in compliance with relevant standards, and whether the standards cited are correct and effective; f) Whether the key features and important features in the drawings meet the relevant standards; g) Whether the adoption and modification of the drawings meet the requirements of QC/T 4.
		General layout drawing, outline drawing, assembly drawing and device drawing	a) Whether the tolerances of dimensional tolerances, fits, geometric tolerances, etc. meet the relevant standards; b) Whether it indicates the necessary dimensions, connection dimensions, installation dimensions; c) Whether maximize the use of standard parts, general parts, etc.; d) Whether the contents of the parts list and the method of filling in comply with the relevant standards; e) Whether the serial number is in accordance with the relevant standards.
		Parts drawing	a) Whether the marks of the dimensions, surface structure, heat treatment and surface treatment in the drawings comply with the relevant standards;

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