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QC

AUTOMOBILE INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 43.020

T 04

QC/T 2-2017

Replacing QC/T 2-1992

Formats of Automotive Product Drawing

汽车产品图样格式

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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

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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

Formats of Automotive Product Drawing

1 Scope

This Standard specifies the format and filling rules of the automotive product drawing.

This Standard is applicable to the making of the automotive product drawing (hereinafter referred to as drawing).

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 10609.1 Technical Drawings – Title Blocks

GB/T 10609.2 Technical Drawings – Item Lists

GB/T 14689 Technical Drawings – Size and Layout of Drawing Sheets

GB/T 14690 Drawings Scales

QC/T 4 Method for Change about Product Drawing and Design Document Regulations of Automobile

QC/T 18 Terminology for Automotive Product Drawing and Design Document

3 Terms and Definitions

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

4 General Requirements

4.1 The size of the product drawing width shall be as specified in GB/T 14689. The center point of each side length in the drawing shall have a centering symbol, which shall be drawn with a thick solid line; the line width shall be no less than 0.5mm; the length shall be from the boundary of the paper; reach about 5mm within the frame.

symbols;

S: marking code for the trial produce stage drawing;

Z: making code for the production arrangements drawing;

B: marking code for the start of regular production drawing.

NOTE: the round number may also be added to the right of the mark code in each stage; the round number shall be represented by Arabic numerals, for instance, the second-round prototype car (machine) trial production drawing mark code is S2.

g) Organization name block: fill in the name or code of the design organization.

5.1.1.2 Name area

The name area consists of drawing name block, and material mark block.

- a) Patter name block: fill in the name of the design object. Where there are the terms for parts and components specified in standard, it shall be filled in according to the name specified in the standard. If there is a standard English name, the English name shall be filled in below the Chinese name;
- b) Material mark block: fill in the material code mark of the part in the part drawing; the assembly drawing shall not be marked.

5.1.1.3 Signature area

Each block of the signature area shall be signed and dated according to the design, check, review, standard, joint signature, and approval.

5.1.2 Extended title block

The extended title block is a part that extends the upper part or all of the main title block into the drawing. The extended title block includes item number block, extended item name block, extended item material block, extended item mass block, and extended drawing mark block.

5.1.2.1 The role of extended title block

The extended title block aims to satisfy the requirements of filling in two or more drawing names and numbers in the title block of a drawing.

5.1.2.2 Filling of extended title block

When the part/component is a left-right (up-down or front-back) symmetrical part, fill in the number and name of the left (up or front) part/component in the main title block; while fill in the number and name of the right (down or back) part/component in the

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Contact: Wayne Zheng, Sales@ChineseStandard.net

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

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