Chinastandards.org

CCS T 40

TCSAE

ASSOCIATION STANDARD

TCSAE 166-2020

Road test methods of antilock braking for electric vehicles with regenerative braking

电动汽车再生制动防抱死道路试验方法

(English Translation)

Issued on: December 25, 2020 **Implemented on: December 25, 2020**

Issued by: China Society of Automotive Engineers

Preview: page 1 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-166-2020

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
1.1 Scope description
1.2 Application Notes
2 Normative references
3 Terms and definitions
3.2 Abbreviations
3.3 Symbols
4.1 Test environmental conditions
4.2 Instrumentation
4.3 Test equipment
4.4 Test requirements
4.5 Sealing material
4.6 Electrical transient conduction emission along the power line
4.7 Electromagnetic radiation immunity
4.8 Electrostatic discharge immunity
4.9 Magnetic field immunity
5 Test method
5.1 Basic requirements
5.2 Performance test
5.3 Safety test
5.4 Environmental adaptability test
5.5 EMC test
5.6 NVH test
5.7 Reliability test
5.8 Immunity of portable transmitter
5.9 Electrical transient conduction immunity along power lines
6.1 Overview
6.2 Seal position
6.3 Leakage noise of the whole vehicle
6.4 Local leakage noise
6.5 Basic principles of working condition formulation

Preview: page 2 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-166-2020

6.6 Transmission gear selection
6.7 Frame copy and erase
7 Test report
7.1 Preliminary preparations
7.2 Formal measurement process
7.3 Target node
8.2 Weighted sound pressure level
8.3 Cumulative sound pressure difference value
8.4 Speech intelligibility index
8.5 Total Loudness
8.6 Sharpness
9 Record

1 Foreword

TCSAE 166-2020 was issued by China Society of Automotive Engineers on 25 December 2020 and took effect the same day.

The TCSAE prefix marks a association standard, adopted voluntarily.

The document runs to 7 pages in English translation.

2 Scope Preview

TCSAE 166-2020 is filed under Chinese Standard Classification T 40, in the field of vehicles.

This catalogue holds 37 other TCSAE standards without an ICS number.

In this catalogue, TCSAE standards carry edition years from 2015 to 2020.

3 About this standard

Issued by: China Society of Automotive Engineers

English translation: about 7 pages

Chinese original: about 11,164 characters

4 Related standards

Standards on related subjects:

Preview: page 3 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-166-2020

QC/T 1029-2016 - Polypropylene (PP) honeycomb board products for automobiles

QC/T 797-2008 - Material identification and marking of automotive plastic, rubber and thermoplastic elastomer parts

5 Classification and status

Chinese Standard Classification (CCS): T 40

Prefix TCSAE: association standard, adopted voluntarily.

Preview: page 4 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/tcsae-166-2020