



RDW

Vehicle Technology Division

THE NETHERLANDS
(N E D E R L A N D)



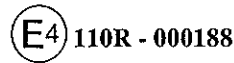
COMMUNICATION

Concerning ⁽¹⁾: APPROVAL GRANTED
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~
of a type of CNG component pursuant to Regulation No. 110

Approval No.: E4-110R-000188


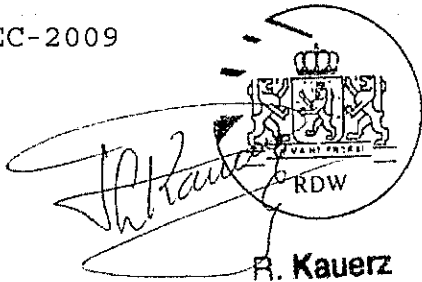
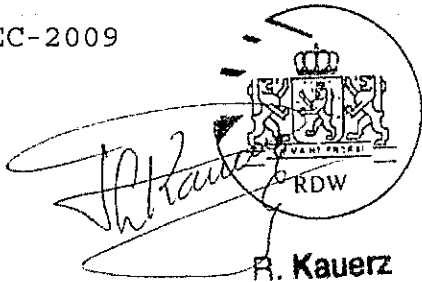
Extension No.: 00

Approval mark:



1. CNG component considered: ⁽¹⁾
- Container(s) or cylinder(s)
 - Pressure indicator
 - Pressure relief valve
 - Automatic valve(s)
 - Excess flow valve
 - Gas tight housing
 - Pressure regulator(s)
 - Non return valve(s)
 - Pressure relief device
 - Manual valve
 - Flexible fuel lines
 - Filling unit or receptacle
 - Gas injector(s)
 - Gas flow adjuster
 - Gas/air mixer
 - Electronic control unit
 - Pressure and temperature sensor(s)
 - CNG filter(s)



2. Trade name or mark : 
3. Manufacturer's name and address : Yuyao CNG Part Co., Ltd.
No.57 Chenjia, Yongfeng Village, Fengshan Street,
Yuyao City, Zhejiang, China
4. If applicable, name and address of manufacturer's representative : Not applicable
5. Submitted for approval on : October 17, 2009
6. Technical service responsible for conducting approval tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln
7. Date of report issued by that service : November 30, 2009
8. No. of report issued by that service : 85-R110-1233/09
9. Approval : granted/~~refused~~/~~extended~~/~~withdrawn~~⁽¹⁾
10. Reason(s) of extension (if applicable) : not applicable
11. Place : Zoetermeer
12. Date : 24-DEC-2009
13. Signature : 

R. Kauerz
14. The document filed with the application or extension of approval can be obtained upon request.

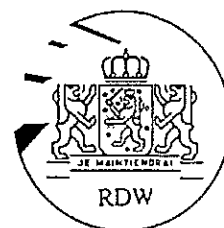
⁽¹⁾ Strike out what does not apply.

ADDEMDUM

1. Additional information concerning the type-approval of a type of CNG components pursuant to Regulation No. 110
- 1.1. Container(s) or cylinder(s)
- 1.1.1. Dimensions : Not applicable
- 1.1.2. Material : Not applicable
- 1.2. Pressure indicator
- 1.2.1. Working pressure(s) : 20 MPa
- 1.2.3. Material : Steel, Brass
- 1.3. Pressure relief valve (discharge valve)
- 1.3.1. Working pressure(s) : Not applicable
- 1.3.2. Material : Not applicable
- 1.4. Automatic valve(s)
- 1.4.1. Working pressure(s) : Not applicable
- 1.4.2. Material : Not applicable
- 1.5. Excess flow valve
- 1.5.1. Working pressure(s) : Not applicable
- 1.5.2. Material : Not applicable
- 1.6. Gas-tight housing
- 1.6.1. Working pressure(s) : Not applicable
- 1.6.2. Material : Not applicable
- 1.7. Pressure regulator(s)
- 1.7.1. Working pressure(s) : Not applicable
- 1.7.2. Material : Not applicable
- 1.8. Non-return valve(s) or non-return valve(s)
- 1.8.1. Working pressure(s) : Not applicable
- 1.8.2. Material : Not applicable
- 1.9. Pressure relief device (temperature triggered)
- 1.9.1. Working pressure(s) : Not applicable
- 1.9.2. Material : Not applicable



1.10.	Manual valve	
1.10.1.	Working pressure(s)	: Not applicable
1.10.2.	Material	: Not applicable
1.11.	Flexible fuel lines	
1.11.1.	Working pressure(s)	: Not applicable
1.11.2.	Material	: Not applicable
1.12.	Filling unit or receptacle	
1.12.1.	Working pressure(s)	: Not applicable
1.12.2.	Material	: Not applicable
1.13.	Gas injector(s)	
1.13.1.	Working pressure(s)	: Not applicable
1.13.2.	Material	: Not applicable
1.14.	Gas flow adjuster	
1.14.1.	Working pressure(s)	: Not applicable
1.14.2.	Material	: Not applicable
1.15.	Gas/air mixer	
1.15.1.	Working pressure(s)	: Not applicable
1.15.2.	Material	: Not applicable
1.16.	Electronic control unit (CNG-fuelling)	
1.16.1.	Basic software principles	: Not applicable
1.17.	Pressure and temperature sensor(s)	
1.17.1.	Working pressure(s)	: Not applicable
1.17.2.	Material	: Not applicable
1.18.	CNG filter(s)	
1.18.1.	Working pressure(s)	: Not applicable
1.18.2.	Material	: Not applicable



INFORMATION DOCUMENT NO. CHANGNENG-R110-CNGauge B-01

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF:

**I. SPECIFIC COMPONENTS OF MOTOR VEHICLES USING COMPRESSED NATURAL GAS
(CNG) IN THEIR PROPULSION SYSTEM;**

ECE Regulation No. 110

Component Type : B201B, CNG201B, CNG 201D

This information document consists of page 1 to 4 with 6 enclosures



Title: PARTIAL MODEL INFORMATION DOCUMENT NO.CHANGNENG-R110-CNGauge B-01	Page 2
Type: B201B, CNG201B, CNG 201D	

ESSENTIAL CHARACTERISTICS OF THE CNG COMPONENT

0.	General information	
0.1.	Trade name or mark	: CNGauge
0.2.	Manufacturer's name and address	: Yuyao CNG Part Co., Ltd. No.57 Chenjia, Yongfeng Village, Fengshan Street, Yuyao City, Zhejiang, China
0.3.	If applicable, name and address of manufacturer's representative	: n.a.
1.2.4.5.1.	System description	: yes /no ¹⁾
1.2.4.5.2.	Pressure regulator(s)	: yes /no ¹⁾
1.2.4.5.3.	Gas/air mixer	: yes /no ¹⁾
1.2.4.5.4.	Gas flow adjuster	: yes /no ¹⁾
1.2.4.5.5.	Gas injector(s)	: yes /no ¹⁾
1.2.4.5.6.	Electronic Control Unit (CNG-fuelling)	: yes /no ¹⁾
1.2.4.5.7.	CNG container(s) or cylinder(s)	: yes /no ¹⁾
1.2.4.5.8.	CNG container accessories	yes /no ¹⁾
1.2.4.5.8.1.	Pressure indicator	: yes /no ¹⁾
1.2.4.5.8.1.1.	Make(s)	: CNGauge
1.2.4.5.8.1.2.	Type(s)	: B201B, CNG201B, CNG 201D
1.2.4.5.8.1.3.	Operating principle	: float /other ¹⁾ description: Pointer-sensing type
1.2.4.5.8.1.4.	Working pressure(s) ²⁾	: 20 Mpa
1.2.4.5.8.1.5.	Material	: Steel, brass
1.2.4.5.8.1.6.	Operating temperatures ²⁾	: -40°C~ 105°C
1.2.4.5.9.	Pressure relief device (temperature triggered)	: yes /no ¹⁾
1.2.4.5.10.	Filling unit or receptacle	: yes /no ¹⁾
1.2.4.5.11.	Flexible fuel lines	: yes /no ¹⁾
1.2.4.5.13.	CNG filter(s)	: yes /no ¹⁾
1.2.4.5.14.	Non-return valve(s)	: yes /no ¹⁾
1.2.4.5.15.	Connection to CNG system for heating system	: yes /no ¹⁾
1.2.5.	Cooling system	: liquid/ air ¹⁾
1.2.5.1.	System description/drawings with regard to the CNG system	: connect to the engine cooling system in order to avoid the regulator from icing



¹⁾: Strike out what does not apply.

²⁾: Specify the tolerance.

Title: PARTIAL MODEL INFORMATION DOCUMENT NO.CHANGNENG-R110-CNGauge B-01	Page 3
Type: B201B, CNG201B, CNG 201D	

List of attachments

Annex	Page	Subject	Drawing No.
A	1	Overview of B201B	01
B	1	Overview of CNG201B	02
C	1	Overview of CNG201D	03
D	1	B201B Assembly drawing	04
E	1	CNG201B Assembly drawing	05
F	1	CNG201D Assembly drawing	06

Zhejiang / October 17, 2009

