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AMENDMENT 1
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**Road vehicles — Compressed natural
gas (CNG) fuel system components —**

**Part 4:
Manual valve**

AMENDMENT 1

*Véhicules routiers — Composants des systèmes de combustible gaz
naturel comprimé (GNC) —*

Partie 4: Valve manuelle

AMENDEMENT 1



Reference number
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Amendment 1 to ISO 15500-4:2012 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 41, *Specific aspects for gaseous fuels*.

Road vehicles — Compressed natural gas (CNG) fuel system components —

Part 4: Manual valve

AMENDMENT 1

Page 2, Clause 5

Replace Clause 5 with the following:

5 Construction and assembly

5.1 The manual valve shall comply with the applicable provisions of ISO 15500-1 and ISO 15500-2, and with the tests specified in Clause 6. Tolerances should follow the specifications of ISO 15500-2.

5.2 Manual valve handles, when provided, shall be securely attached to the valve spindle.

5.3 A manual valve with 90° rotation from “on” to “off” position shall be provided with rigidly secured stops to limit rotation.

5.4 A manual valve may be used as a service valve.

5.5 Valves having 90° of rotation (quarter turn) from “on” to “off” positions shall have the handles perpendicular to the direction of flow at the valve inlet when in the “off” position.

5.6 All valves shall close when the handle is rotated clockwise.

Page 3, Table 1

Replace [Table 1](#) with the following:

Table 1 — Applicable tests

Test	Applicable	Test procedure as required by ISO 15500-2	Specific test requirements of this part of ISO 15500
Hydrostatic strength	X	X	X (see 6.2)
Leakage	X	X	X (see 6.3)
Excess torque resistance	X	X	
Bending moment	X	X	
Continued operation	X	X	X (see 6.4)
Corrosion resistance	X	X	
Oxygen ageing	X	X	
Ozone ageing	X	X	
Heat ageing	X	X	
Automotive fluids	X	X	
Electrical overvoltages			
Non-metallic material immersion	X	X	
Vibration resistance	X	X	
Brass material compatibility	X	X	

