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

Part 5:
Manual cylinder valve

AMENDMENT 1

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

Partie 5: Valve manuelle du cylindre

AMENDEMENT 1



Reference number
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Amendment 1 to ISO 15500-5:2012 was prepared by Technical Committee ISO/TC 22, *Road Vehicles*, Subcommittee SC 41, *Specific aspects for gaseous fuels*.

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

Part 5: Manual cylinder valve

AMENDMENT 1

Page 2, Clause 5

Replace Clause 5 with the following:

5 Construction and assembly

- 5.1** The manual cylinder 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 cylinder valve handles, when provided, shall be securely attached to the valve spindle.
- 5.3** A manual cylinder valve with 90° rotation from “on” to “off” position shall be provided with rigidly secured stops to limit rotation.
- 5.4** A manual cylinder valve may be used as a service valve.
- 5.5** Manual cylinder 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 manual cylinder valves shall close when the handle is rotated clockwise.

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	

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