

19 November 2019

Agreement

Concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations*

(Revision 3, including the amendments which entered into force on 14 September 2017)

Addendum 121 – UN Regulation No. 122

Amendment 5

Supplement 5 to 00 series of amendments – Date of entry into force: 15 October 2019

Heating systems

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2019/15.



UNITED NATIONS

* Former titles of the Agreement:

Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958 (original version); Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on 5 October 1995 (Revision 2).

Supplement 5 to UN Regulation No. 122 (Heating systems)

Paragraph 5.3., amend to read:

"5.3. Vehicle Installation Requirements for Combustion Heaters, Electric Heaters and Heat Pump Heating Systems."

Paragraph 6.1.5., amend to read:

"6.1.5. *"Electric heater"* means a device using electric energy from an onboard or external source to increase the temperature of the interior of the vehicle. Electrical devices which are installed in addition to the main heating system and whose main function is not to heat the interior of the vehicle are not considered as electric heaters according to this Regulation. For example, electric devices installed in components for the sole purpose of heating that component are not considered as electric heaters according to this Regulation."

Add a new paragraph 6.1.6., to read:

"6.1.6. *"Heat pump heating system"* means any type of thermodynamic heating device deemed to make use of renewable energy that draws calories from one environment (air or water) in order to transfer them to another with a view to increasing the temperature of the interior of the vehicle. Heat pump heating systems which are installed in addition to the main heating system and whose main function is not to heat the interior of the vehicle are not considered as heat pump heating systems according to this Regulation."

Paragraph 6.2.1., the table, add a new row, to read:

"

<i>Heating system</i>	<i>Vehicle category</i>	<i>Annex 4 Air quality</i>	<i>Annex 5 Temperature</i>	<i>Annex 6 Exhaust</i>	<i>Annex 8 LPG safety</i>
...
Heat pump	M	Yes	Yes		
	N	Yes	Yes		
	O	Yes	Yes		

"