

REC-10-05

CECE proposal for a revised text of sections 19 to 21 of draft UN ECE REC regulation
13 March 2012

19. Operating behaviour and safety hazard

No impairment of the operating behaviour of the vehicle, and no additional safety hazard (increased surface temperature etc.) associated with the vehicle shall arise as a result of the installation of the REC in accordance with the instructions supplied by the REC manufacturer.

The vehicle owner is responsible for ensuring the vehicle equipped with the REC is operated safely.

Installing the REC in an inappropriate way may create hazards in relation to the use of the vehicles in the scope of Regulation 96 either when driving on the road or when in operation.

When preparing the installation instructions the REC manufacturer shall take into consideration that the vehicle owner or the entity carrying out the REC installation may not have adequate knowledge to evaluate these hazards.

Legal obligations in the territories of the contracting parties might apply on the vehicle owners in case of alterations to the vehicle.

20. Noise Emissions

The REC manufacturer shall provide evidence that the retrofitting of a REC will not lead to an increase of the vehicle's noise emissions.

21. Installation of a REC

21.1. Retrofitting with a REC shall be performed in accordance with the installation instructions provided by the REC manufacturer. Any additional instructions provided by the vehicle manufacturer, authorities and other parties must also be taken into consideration.

21.2 The vehicle to be retrofitted shall be in a properly maintained condition. Defects that could prevent achievement of the emission reduction level for which the REC is approved, or could adversely affect its endurance are to be rectified as necessary before the retrofitting.

21.3. The REC manufacturer shall supply, along with each individual REC placed on the market, complete instructions giving adequate information how to maintain the level of safety that was present at the time when, and in the contracting party where the vehicle was originally placed on the market. The instructions shall:

- make the vehicle owner aware about his responsibility on safety when altering the vehicle
- give adequate direction in respect of the REC so that any additional risk, both operational and environmental, arising from the installation is either avoided or adequately addressed by protective measures.
- be specific to the vehicle type in which the REC is to be installed.

- inform the installers how to mitigate the risks arising from the alterations introduced on the vehicle by the REC installation.
- state that the proper installation and maintenance of the REC is essential to its correct functioning.
- indicate requirements for the proper maintenance of the REC, including, where relevant, the use of consumable reagents or additives.
- indicate any requirements or limitations on the use of the vehicle that are necessary in order to ensure correct functioning of the REC.

REC manufacturers are encouraged to provide specific training to the installers on these topics.

21.4. The instructions may be made available on paper or electronically and shall take into consideration the requirements in force in the territory of the contracting party in which the REC is placed on the market. They shall be written in clear and non-technical language, and be suitable for providing to the owner of the vehicle to which the REC will be fitted. The instructions shall be in a language of the contracting party in which the REC is placed on the market or expected to be used.

21.5. Where the REC uses consumable reagents or additives, the instructions shall specify whether those reagents need to be refilled between normal maintenance intervals, and shall indicate a likely rate of reagent consumption. The instructions shall specify the type and quality of the consumable reagents or additives used.

21.6. The instructions shall state that, where the fitting of the REC is a condition for operation of the vehicle in a particular country or area, or where fitting of the REC entitles the vehicle owner to incentives or privileges, the failure to maintain the REC in proper working order (including the failure to ensure a proper supply of any reagent or additive), may be a criminal offence or constitute a breach of contract.