

Type-Approval Procedure

Information System of the German Type-Approval Authority

Type-approvals for flexible hoses with couplings according the requirements described in annex 8 of UN/EEC Regulation No. 67 and installation of that flexible hoses in vehicles according UN/EEC Regulation No. 67 (section 17.1.2) and retrofit systems according UN/EEC Regulation No. 115 (section 6.1.1.1.1)

Question or problem

Type-Approvals for flexible hoses with couplings can be granted according the provisions stated in Annex 8 of Regulation 67.

Hose assemblies comprised of flexible hose and couplings are utilised for vehicles that use liquefied petroleum gases according the Whole Vehicle Type-Approval as well as for vehicles that are retrofitted for the use of liquefied petroleum gas in their propulsion system. Retrofitting may be done for instance by use of a retrofit system according Regulation 115.

Regulation 67 covers two classes of flexible hoses

- Class 1: height pressure rubber hose (e.g. filling hose) and
high pressure synthetic hose and
- Class 2: low pressure rubber hose.

There are the following questions:

- a) Is the holder of the type-approval according Regulation 67 himself obliged to cut the length of the hose and mount the couplings?
- b) Is it permissible that a second company – who is not holder of the type-approval - cuts the hose to length and fixes the coupling for instance in the process of installing the hose assembly to a vehicle?
- c) Are flexible hoses of Class 1 and Class 2 to be treated in the same way with respect to question a) and b).

Result

Flexible Hoses Class 1

The KBA grants only type-approvals according Regulation 67 for flexible hoses Class 1 if those hoses are trimmed to the correct length, assembled with couplings and after that tested according the requirements, by the approval holder himself.

In the context of granting of type-approvals

- for vehicles with regard to no. II of Regulation 67 and
- for specific retrofit systems with regard to no. I of Regulation 115

approvals for flexible hoses of Class 1 will only be considered to be valid if the approval holder himself has trimmed the flexible hose to the correct length, assembled the couplings and afterwards carried out the tests required.

Flexible Hoses Class 2

Flexible hoses of Class 2 may be trimmed to the correct length and fitted with couplings (which are approved together with the hose) by a company other than the approval holder. This may for instance be done in the process of installation of a retrofit system according Regulation 115.

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The type-approval of a flexible hose Class 2 involves as well as the type-approval of a flexible hose Class 1 both hose and couplings. Fitting of flexible hose and couplings to a hose assembly Class 2 may be done by a company different from the approval holder.

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