

Subject: Specification of service life limitations for the brake hoses of the hydraulic wheel brake

Applicability: ASK 21; only models **ASK 21** und **ASK 21 Mi** Type-Certificate EASA.A.221; all serial numbers

Classification: Major Change

Urgency: optional

Reason: Maintenance simplification

Brake hoses of the old type are made from rubber material and have a service life limitation. The material of the new type brake hoses is long-term resistant against the used brake fluid and thus no service life limitation is necessary.

Action: 1.) Identification of the installed brake hoses



Brake hoses of the **old type** made from rubber material, identifiable by the shown fitting shape and the textile fabric wrapping of the hose.



Brake hoses of the **new type**, identifiable by the shown fitting shape.

2.) Specification of the lifetime limitation

Brake hoses of the **old type**: This brake hose has to be exchanged in regular intervals of 6 years. If the brake hose is in good condition, it is not necessary to exchange the hose. Operation on condition requires the inspection of the hose for proper condition at least every 100 h.

Brake hoses of the **new type**: This brake hose has no service life limitation (on condition).

3.) Exchange of the following pages of the maintenance manual

In case brake hoses of the **old type** are installed: No exchange of manual pages. The service life limitation of the brake hoses is already included in the maintenance manual.

In case brake hoses of the **new type** are installed:

Aircraft Model	German	English
ASK 21	31	31 / US: 35
ASK 21 Mi	4.4	4.4

The new manual pages are marked with the number of the corresponding technical note as revision.

Material and Drawings:

Just for information, an overview of the new type brake hoses for the various aircraft models is given:

Aircraft Model	AS-Part-No. of the new type brake hose	Remarks
ASK 21 ASK 21 nach TM 34	210.21.0021 219.21.0022	
ASK 21 Mi	219.21.0022	

Notes:


This change affects only the pressurized hose(s) of the brake system.

This change specifies only the service life limitation of the brake hoses. Structural measures, as for example the exchange of brake hoses, must be executed regarding the applicable law for repair and maintenance.

All Actions have to be considered as a maintenance task regarding aviation law. The respective national regulations must be applied.

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This Technical Note bases on a change, which was approved by EASA under the major change approval EASA 10074201.