

Subject: Alternative hydraulic wheel brake system TOST
Applicability: **ASH 31 Mi**; Type-Certificate EASA.A.538; all serial numbers
Classification: Minor Change
Urgency: optional
Reason: Product improvement
Action: Exchange of the following parts of the wheel brake system:

	<i>current series standard</i>	<i>alternative</i>
<i>Master Cylinder</i>	Cleveland 10-20 260.23.0052 Brake Hose (to Reservoir)	TOST HBZS f. MIL-H m. NPT, P/N 050305 260.23.0053 Brake Hose (to Reservoir *)
<i>Wheel Brake Cylinder</i>	Cleveland 30-9	TOST BZT2 5L f. MIL-H m. NPT, P/N 080203

*) During assembly it might be necessary to relocate the FRP retaining clamp.

The mounting of master and wheel brake cylinder, hoses, fittings and expansion tank/ventilation stay the same. Also the maintenance and operation is in general unchanged between the alternative and the current version. More detailed information can be found in the Operating Manual for TOST wheel brake: "Component Maintenance Manual CMM 013" and the "Instruction for filling and bleeding hydraulic disk brake systems" from TOST. Both documents must be included in the appendix of the maintenance manual.

It is also possible to exchange only parts of the wheel brake, means to combine the existing master cylinder with an alternative wheel brake cylinder or vice versa.

Note: It is recommended to use a filling pump or vacuum filling device (e.g. TOST P/N 059300 / 059330) for an easier filling or bleeding.

Exchange or change of the following manual pages:
Maintenance Manual:

Model / Variant	TN	Issue	Page
ASH 31 Mi	TN 10	01.02.17	2.40

All pages have to be changed as follows:

Add the text „alternatively TOST wheel brake cylinder 080203 and/or TOST master cylinder 050305“ underneath the existing text „Cleveland wheel brake cylinder 30-9 and master cylinder 10-20“. Fill in the TN and issue according to the table above in the field "Revision" in the footer.

Material and Drawings: See Action

Mass and Balance: The change in mass and C. of G. position is negligible.


Notes:

The actions have to be considered as a non-complex maintenance task regarding aviation law. The respective regulations must be applied.

The exchange of the pages has to be noted in the record of revision of the manual. The list of effective pages must be updated, too.

Poppenhausen, 12.06.2024

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This Technical Note bases on a change, which was approved by EASA under the minor change approval EASA 10060932.