

Subject: Alternative hydraulic wheel brake system TOST
Applicability: ASW 27 (incl. ASW 27-18 "ASG 29" and ASW 27-18 E "ASG 29 E"); Type-Certificate **EASA.A.220**; all variants; 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 90° Fitting Parker 4CMTXS (connection between master and wheel brake cylinder)	TOST HBZS f. MIL-H m. NPT, P/N 050305 90° Fitting TOST P/N 058066 (connection between master and wheel brake cylinder)
<i>Wheel Brake Cylinder</i>	Cleveland 30-9	TOST BZT2 5L f. MIL-H m. NPT, P/N 080203

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
ASW 27	TN 18	01.02.17	2.7
ASG 29	TN 7	01.02.17	2.13
ASG 29 E	TN 16	01.02.17	2.13

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 10064607.