

The elevator actuator must be protected from damage. A wooden block of appropriate height must be laid under the fin-stabilizer attachment area.

WARNING: *After rotating the fuselage back upright remove the tape! Remove spilled fluid and clean with cleaning spirit. Check brake fluid level!*

Ground Transport

The wings may be supported at the spar stubs, root ribs and wing tips. Remove winglets before!

2.10 Tow Releases

The tow release fitted at the C.G. is model TOST "Europa G 88" (Data Sheet No:60.230/2).

Models TOST "Europa G 72 or G 73" may be used as a replacement tow release.

Depending on the position of its installation, different aerotow release models may be installed.

In the tip of the fuselage nose, model TOST "E 22" is used (Data Sheet No:11.402/9 NTS).

Between stick and pedals, models TOST "E 85" or "E 72" or "E 75" are used. (Data Sheet No:60.230/1).

The replacement of tow release couplings is described in Section 10.4.

4.2 Special Servicing Procedures and Equipment subject to Service Life Limitations

Special Servicing Procedures

At regular intervals of 5 years, the sealing rings and groove sealing rings of the water ballast valves must be checked, and replaced if required (see Fig. 2.4-1).

At regular intervals of 6 years the brake line hose of the hydraulic wheel brake must be replaced. Should this hose be found to be in good condition, it need not be replaced, on condition that its condition is checked at least every 100 flying hours.

Equipment subject to Service Life Limitations

Tow Releases

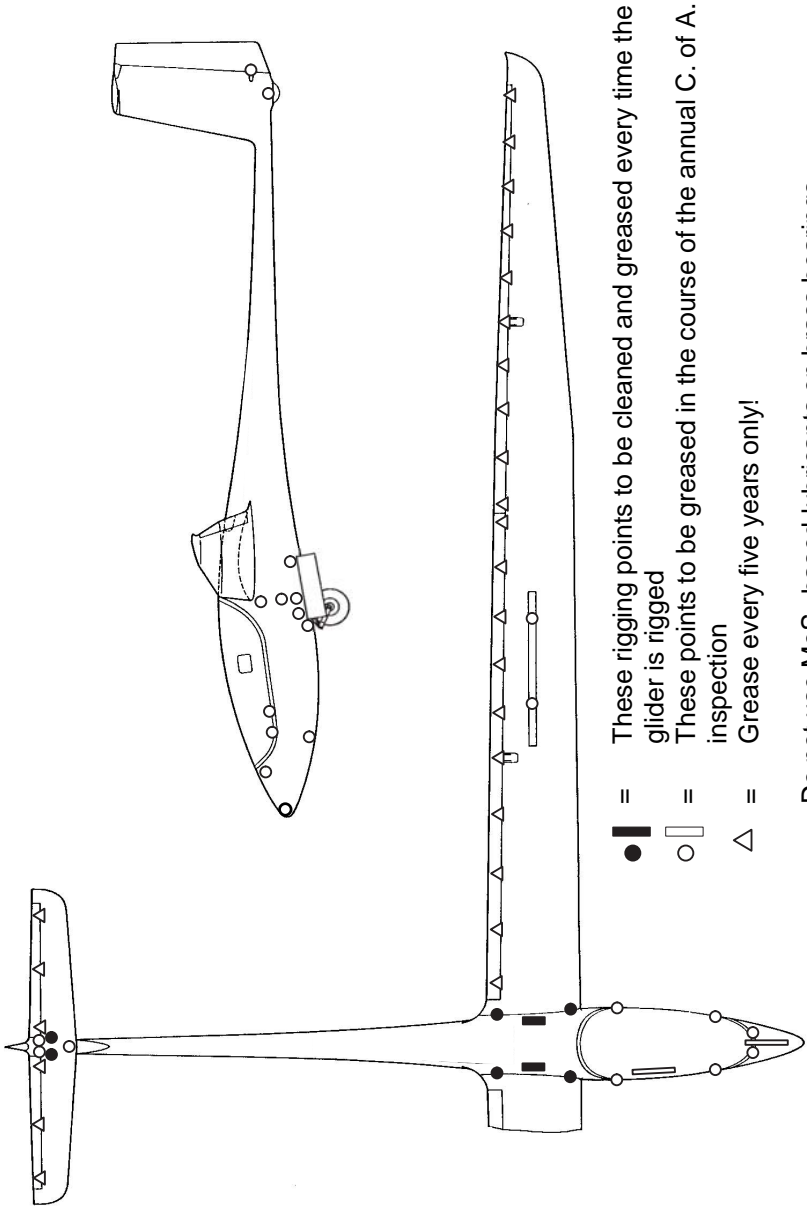
The tow release fitted at the C.G. is model TOST "Europa G 88" or "G 72" or "G 73" respectively ,

The aerotow release is either the model TOST "E 22" (if installed at the tip of the fuselage nose) or one of the models TOST "E 85" or "E 72" or "E 75" (if installed between pedals and stick).

The above TOST tow releases must comply with the service life limitations between inspections as laid down in their respective authorized release certificates.

The relevant "Operations and maintenance instructions" issued by the manufacturer TOST must be complied with.

Fig. 8.0-1 Lubrication Chart



10.4 Removing and installing tow releases

10.4.1 Tow release coupling fitted at the c.g.

1. Remove the seat back and the seat pan.
2. Undo the safety springs from the L/G doors.
3. Remove the wheel. First proceed as described in Section 2.3.4 "Exchange of Brake Linings": dismount the wheel brake cylinder. The brake hose line must be left attached throughout! The bolt which holds the torque plate of the wheel brake cylinder, and the wheel axle must be removed. Now the wheel with the wheel brake cylinder can be pulled off the wheel fork.
4. Take the two safety springs off the horizontal struts.
5. Remove the shock absorber legs.
6. Unscrew the release cable off the end fitting and turn out the three bolts which hold the tow release coupling. Pull out the release coupling to the front.

10.4.2 Tow release fitted at the nose

If installed between pedals and stick:

1. Remove the pedal adjustment cable and knob, if necessary also the trim indicator
2. Remove the back rest and unscrew the seat pan.
3. Turn out the three bolts which hold the tow release. Pull out the release to the rear.

If installed at the tip of the nose:

1. Move rudder pedals backwards. It may be handy to tie them down.
2. Remove cover from the bulkhead visible in the fuselage nose.
3. The release is then visible through the first bulkhead. Two brackets hold it attached to the second bulkhead. Remove the four nuts from the brackets.
4. Pull out the release to the rear. It fits easily through the first bulkhead when it is swayed a bit.
5. Pull one of the pins at the release rope fitting and unscrew the brackets

Installing the tow releases is done in the reverse order.

When installing the nose hook, use only new split pins. Take care that none of the pins on the rope attachment can hit the housing. Do not forget to screw on the ground line together with the bracket. Attach the bulkhead cover with silicone.

When re-fitting tow releases, care should be taken to always use bolts of strength grade 10.9 or even 12.9 and nuts of the strength grade 6. When the tow releases are exchanged, new bolts and nuts must be used for re-installation. See also "Operating Manuals for tow release couplings" from Messrs. Tost.

12.4 List of Maintenance Documents for Fitted Equipment

- a) Operating Manual for Tow Release Coupling Series
"Europa G 88" Safety Tow Release, in its valid issue
or
Operating Manual for Tow Release Coupling Series
Safety Tow Release "Europa G 72" and "Europa G 73", in its valid issue

Operating Manual for Tow Release Coupling Series
Nose Tow Release Hook "E 85", in its valid issue
or
Operating Manual for Tow Release Coupling Series
Nose Tow Release "E 72" and "E75", in its valid issue
or
Operating Manual for Tow Release Coupling Series
Nose/Tail Release "E 22", in its valid issue

- b) WHEEL and BRAKE ASSEMBLIES CATALOG
Component Maintenance Manual,
Appendix A, Fits and Clearances
A-1. Brake Lining Wear Limits
A-2. Brake Disc Minimum Thickness
by Parker Hannifin Corporation, Avon, Ohio