



Now remove the two bolts which hold together the release and release attachment brackets.

The re-installation is in opposite sequence, whereby attention should be paid that the correct bolts and pins are used, and that the earth cable is attached.

To dismantle the aerotow release, the rudder foot control is removed by removing the bolt at the rear end of the lower guide tube and pulling back the foot control. Thereafter, the bolts of the diaphragm are removed. The diaphragm which is sealed off with a sealant is then carefully pulled away with a hook.

If a trim ballast box is installed, the aerotow release is accessible by removing only this one.

After the release cable is detached only the 4 attachment bolts have to be removed and the release can be pulled back together with its attachment brackets.

Release and attachment brackets are joined with two bolts.

When re-installing the release pay attention to the correct assembly of the pulley and attachment brackets. The recesses on the release for the rings should correspond with the recesses on the release brackets. Also take note of the different length bolts and the attachment of the earth cable.

### 6.7 CONTROL SURFACE MOMENT

After repairs or new paintwork, the following control surface moments  $M = P \times r$  should not be exceeded.

Ruder :	Weight / Moment	
	Without static balances	With static balances
Elevator:	m = 1,5...1,8 kg M = 41...58 Ncm	
Sideruder:		m = 2,9...3,9 kg M = 0...30 Ncm
Aileron:		m = 3,0...3,8 kg M = 25...58 Ncm
Flap:	m = 3,3...4,2 kg M = 130...170 Ncm	

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