

1. De-rig the glider.
2. Remove baggage compartment floor and rear cover.
3. Remove the existing switch 1 (Microswitch XGG2-88-S20Z1) from bracket 10FW120 (pos. 12 and 13 in diagram 21 MM).
4. Mount the new switch 2 (Microswitch 1006.1511) to bracket 10FW143 according to drawing 10FW142.
5. Mount 10FW143 together with the switch 1 (removed under item 3) to 10FW120 according to drawing 10FW142, use longer bolts M3x25 DIN933-8.8 zn.
6. Check function of switch: Measure the resistance at terminals 5 and M (according to drawing 10FW142) The resistance must be infinite. Then perform an emergency extension of the LG. Measure the resistance with the emergency handle pulled, it must be zero. If this is not the case, adjust the switch by bending the arm of the switch.
7. Remove the rear control stick and open the rear instrument tower.
8. Wiring
 Pull the new wire no 5 from the landing gear towards the rear instrument panel through the same tube which contains the other LG wiring. Plug the socket of the wire onto terminal 5 of the switch 2 (according to drawing 10FW142).
 Remove wire no. 4 from switch 1 (according to drawing 10FW142) and plug the distributor plug of the new wire M onto this terminal. Plug wire 4 to the free terminal of the distributor plug. Plug the other plug of wire M onto terminal M of switch 2.
 Remove and open the plug from the LG control unit. Solder wire 5 to pin 20.
 Assemble the plug again..
9. Remove the LG control unit and install the new unit marked with “FW Steuerung V1.1 DG-1000”.
 If the LG control unit was fixed with Velcro strips remove the Velcro and fix the unit with 2 countersunk screws M3x12 DIN963-4.8 zn. To accomplish this drill dia. 3 mm countersunk holes matching to the M3 threads in the control unit(distance 40mm) from the front through the bulkhead..
 Fix wire 5 with Ty-raps to the existing wiring (in LG and in instrument tower region).
10. Check functions: Reset the gas-strut according to AFM section 9.3 text for section 4.5.12.3, then retract and extend the LG.
11. Reinstall baggage compartment floor and rear cover.

Necessary material

1. Retrofit kit TN1000/19 consisting of:

Amount	Part No.	Description
1	41041430	10FW143 bracket gas-strut
1	60510865	switch 1006.1511
4	50032501	bolts M3x25 DIN933-8.8 zn
4	51030020	self-locking nuts M3 DIN 985-8 zn
4	51030010	nuts M3 DIN 934 .8 BIC
4	52030001	washer A 3,2 DIN 125 St, BIC
2	50031244	countersunk screws M3x12 DIN963-4.8 zn
1	41075010	Wiring set (wire 5 with socket RSQ 7600 / 6,3-1 and wire M with distributor plug RSQ 7630 / 6,3-1 and socket RSQ 7600 / 6,3-1, both wires 0,4 mm ²)
1	41075009	LG control unit “FW Steuerung V1.1 DG-1000”