

- Subject : Wheel brake actuated by air brake handle.
- Effectivity Type: LS8
Variants: All variants, including LS8-t; all serial numbers.
- Accomplishment : Optional, standard from LS8 serial number L8527 on.
- Reason : Traditionally, the wheel brake in the LS3-LS9 gliders is actuated by applying pressure on the lower part of both rudder pedals simultaneously. However, operating experience has shown that this system is more difficult to operate, compared to the wheel brake control via the air brake handle.
- Instructions : 1. Exchange manual pages against new pages issued February 2011, marked with TN8019.
LS8, LS8-a, LS8-b and LS8-18:
Flight manual LS8: pages 0-1, 0-3, 4-7, 4-13, 4-14, 7-2.
Flight manuals LS8-a, LS8-b and LS8-18: pages 0-2, 0-3, 4-7, 4-13, 4-14, 7-2.
Maintenance manual LS8 (valid for LS8, LS8-a, LS8-b and LS8-18): pages 0-1, 0-3, 0-5, 1-1, 1-6, 1-10, 7-5 and 7-6.
LS8-t:
Flight manual LS8-t: pages 0.1, 0.2, 0.4, 0.5, 0.6, 4-27, 4-42, 4-43, 4-52, 7-3.
Maintenance manual LS8-t: pages 0-1, 0-3, 0-7, 1-1, 1-7, 1-11, 1-12 and 8-3.
LS8-s and LS8-sb:
Flight manual LS8-s and LS8-sb: pages 0-1, 0-3, 0-4, 0-5, 4-13, 4-24, 4-25, 7-2 and 7-3.
Maintenance manual LS8-s and LS8-s: pages 0-1, 0-3, 0-6, 1-1, 1-6, 1-10, 1-11 and 8-3.
Respect the changes marked on the right hand margin.
2. The air brake drive 3R06-50 needs to be exchanged against the drive 9St13 and a new wheel brake Bowden cable has to be installed accordingly, see working instruction no. 1 for TN8019.
3. The cockpit placards for the wheel brake need to be exchanged according to the following maintenance manual pages, issued February 2011:
LS8, LS8-a, LS8-b and LS8-18: section 7.5
LS8-s, LS8-sb and LS8-t: section 8
- Material : 1. Manual pages see instruction 1.
2. Working instructions no. 1 for TN8019.
3. Material list, see working instruction no. 1 for TN8019.
4. Cockpit placards for the wheel brake function.
- Weight and balance : Influence negligible.
- Remarks : Instruction no. 1 and 3 may be executed by the pilot/owner himself and are to be inspected and entered in the aircraft logs by a licensed inspector at latest with the next annual inspection.
- Instructions no. 2:
1. EASA countries: The actions have to be performed in a Part -145 approved organisation, or in a Part M, Subpart F approved organisation according to the regulations of the Part M and released according to M.A.801.
2. Non EASA countries: The actions have to be performed in a licensed workshop. All instructions are to be inspected and entered in the aircraft logs by a licensed inspector.
- Bruchsal, date:
February 28th, 2011
Author:
W. Dirks
- Modifications approved by EASA Date 13.10.2011
under Approval No. 10036879

Wilhelm Dirks