



Technical Note TN.JS-005

27 January 2012

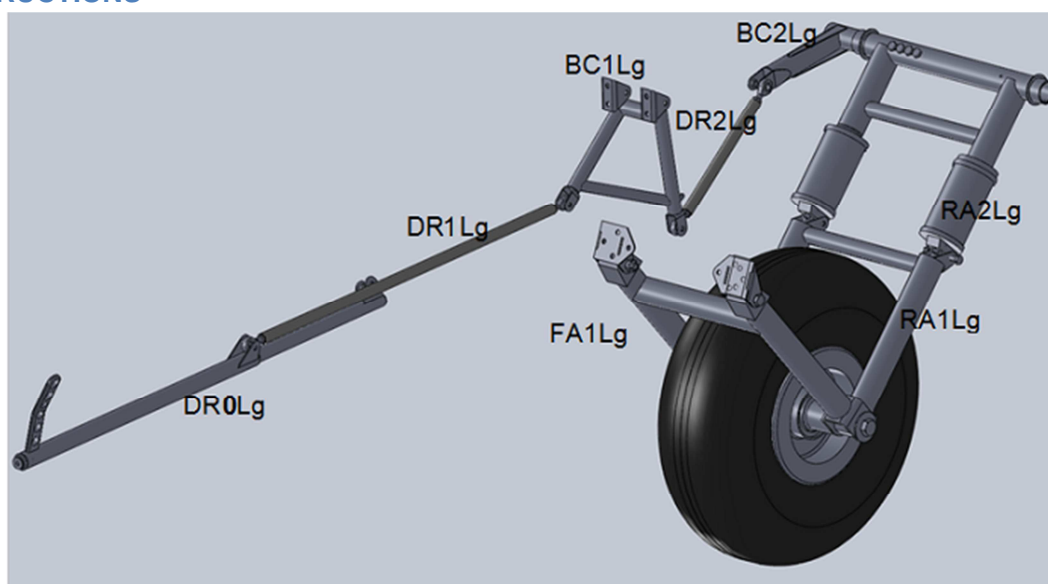
TITLE

Landing gear travel adjustment

DESCRIPTION

Over time the main wheel tyre may increase in diameter, due to creep from tyre pressure. The increased diameter may result in the wheel touching the landing gear doors, possibly preventing the landing gear doors from closing fully. Installing spacers behind the landing gear brackets will alleviate the problem.

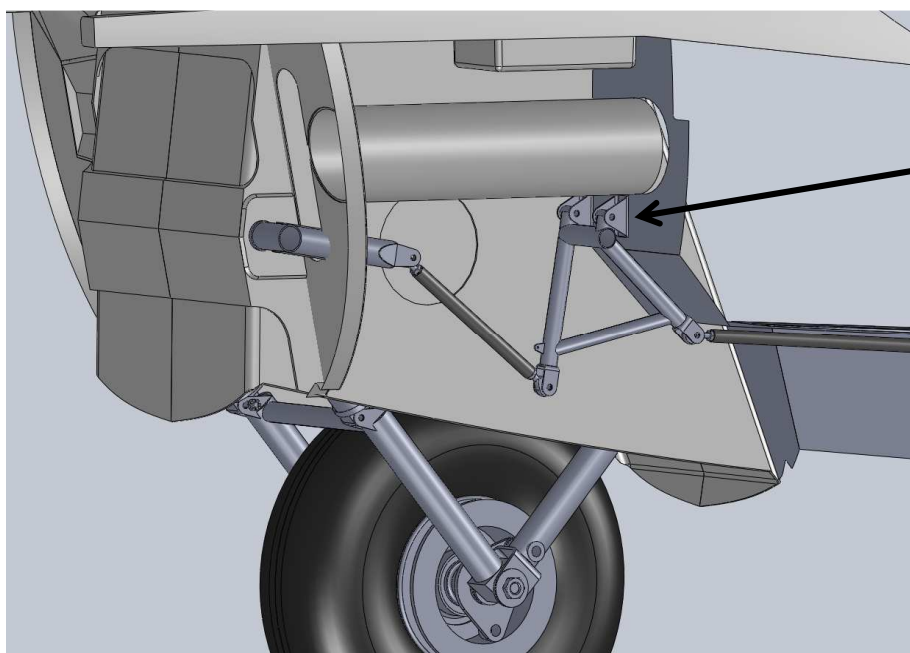
INSTRUCTIONS



1. Set up the glider so that the fuselage is supported, with the wheel able to retract.
2. Ensure that the wheel is locked in the down position.
3. The four bolts clamping the two bell crank brackets (1A-1.27.60) need to be replaced with M6AB30 SS dome-headed cap screws.
4. Loosen and replace one bolt at a time, keeping the nuts in place with a 10mm spanner. The nuts can be accessed through the oxygen bottle hole, through the access hole in the wheel box, or by removing the right hand side battery box.
5. When all four bolts have been replaced, there will be a gap between the bulkhead and the brackets. Insert the spacers by sliding them in sideways between the bulkhead and the brackets. The spacers must be inserted between the two brackets and slid outwards until seated against the bolts.
6. The bolts can now be secured and the clearance between the wheel and doors can be checked.
7. It may be necessary to adjust the length of the pushrod DR1LG (1A-1.05.11) in order to set the forward (extended) position of the landing gear handle in the cockpit.
8. To adjust, loosen the M8 locking nut on the ball, remove the pivot bolt and turn the ball link in or out as necessary – once adjusted, apply Loctite to the locking nut and tighten.



Approval number: Design: D667 Manufacturing: M667, Maintenance: AMO1179

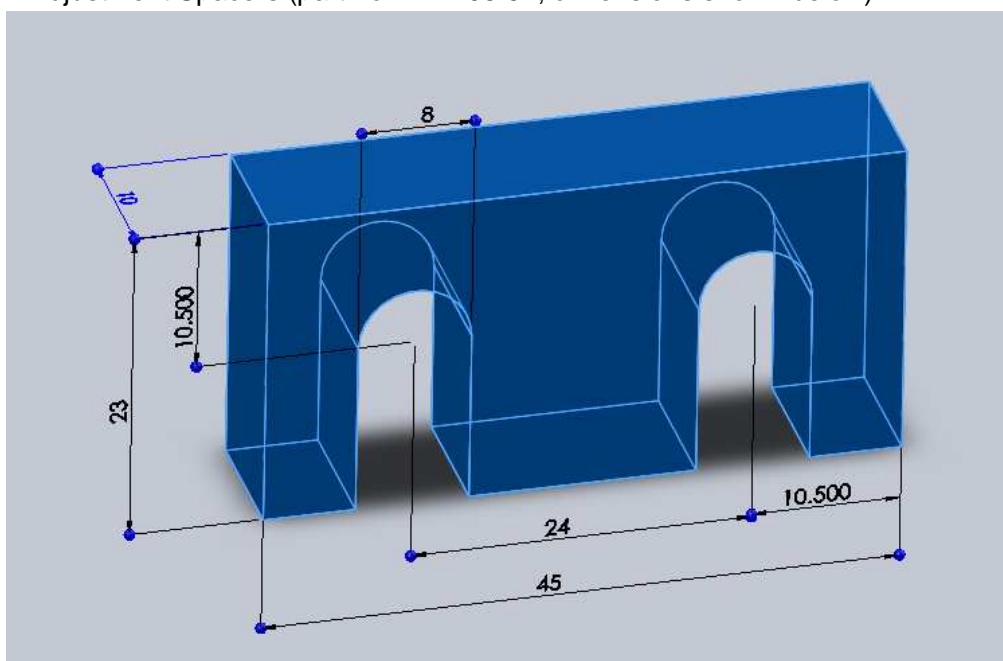


Insert the 10mm glass block spacers between B5 and bell crank mounting brackets on both sides. This will push the bell crank backwards.

MATERIAL SUPPLIED

Parts supplied:

1. 4 M6AB30 SS Dome-headed cap screw bolts (location below oxygen bottle)
2. 2 Adjustment Spacers (part no. 1A-1.05.97; dimensions shown below)



MATERIAL REQUIRED

None

MASS AND BALANCE

This service has a negligible effect on the mass and C of G of the sailplane.



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MANUALS

No effects on flight and maintenance manuals

NOTES

This procedure should result in a minimum clearance of 5mm between the tyre and the wheel doors. Alternatively, the tyre can be replaced with a new tyre.