



## Technical Note TN.JS-002

22 July 2011

### TITLE

Lift Bush Re-instalment

### DESCRIPTION

The Lift Bushes (Part No 1A-1.06.20) are designed to be removable and as such are bonded with Loctite into the Lift Pipes (Part No 1A-1.06.10). Due to machining tolerances it is not uncommon for the bushes to come out during wing de-rigging.

### INSTRUCTIONS

1. Removal of bushes:

- a. Heat the bush carefully to approx. 150 °C to release the Loctite using a miniature mobile soldering iron (or small gas flame).
- b. Heat need only be applied briefly otherwise the surrounding composite may be damaged.
- c. Knock the bush out from the opposite side, using a long solid bar.

2. Bonding of lift bushes

- a. Clean the area where the bush seats with a miniature grinding tool. Ensure there are no obstructions between the bush and the carry pipe,
- b. Inspect inside the Carry Pipe and thoroughly clean and dry the inside surface
- c. Assembly the glider to ensure the bush seats fully.
- d. Disassemble glider
- e. Apply Loctite 243 Medium Strength onto the bush surfaces and press bushes back into the carry pipes
- f. Assemble glider immediately, and follow Loctite curing time of approximately 8hrs
- g. Inject 5ml of linseed (flax seed) oil into the carry pipe through the bush
- h. Using a pipe cleaner ensure the linseed oil is evenly spread over the entire inner surface

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Lift Bushes

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## MATERIAL

No material is supplied

Additional material required;

1. Loctite 243 Medium Strength
2. Linseed (flax seed) oil
3. Pipe cleaner or cloth to spread the linseed oil inside the carry pipe

## MASS AND BALANCE

No change to mass and balance.

## MANUALS

No change to Flight Manual. Changes to Maintenance Manual can be expected and will be addressed through a Service Bulletin to be issued in due course.

## NOTES

If the gel coat around lift bushes is damaged perform repairs as per JS Repair Manual.