

SERVICE BULLETIN

Bulletin n°10-2008 - LEVEL : **INFORMATION**
SPEED - SYSTEM

Recall:

DANGER Identifies an instruction; which, if it is not actioned, can cause damage having consequences which can be fatal.
ATTENTION Identifies a significant instruction; which, if it is not actioned, can cause very serious damage
INFORMATION Identifies significant information

Concern: Speed-System In-Flight Trim Serial No/s: 1 - 70

Problem: Possible loosening of the milled cap-screw M5x12 fixing the aluminium shouldered rings at the wing plates. The heads of these screws are in close proximity to the high density plastic hang cube of the hang bracket.

Consequence: If one of these screws is loosened of more than one turn, its head will block the rotation of the off-centre pivot mechanism; making it impossible for the hang cube to be 'trimmed'. The circuit breaker will activate.

Causes: This incident occurred on a highly utilized System Speed at 150 hours (several seasons of competition on our own testing Aircraft).

Solution: Check the tightness and security of these screws every 100 hours.

Method: Detach the wing (CF Pilot Operators Handbook or 'Manuel d'Utilisation du tricycle'). Tighten the six (6) cap-screws. It will be necessary to turn the off-centre pivot mechanism slightly (to use the electric trim switch of the Speed System). An Allen Key of very good quality should be used, taking care to insert the Allen Key to the maximum penetration depth. Tighten the screw as tight as possible, without deforming the screw. (It is not possible to give a torque setting as the access does not make it possible to use a torque wrench).

Note: Do NOT apply a fixing compound. The presence of fixing compound in the threads of the aluminium parts can make disassembling almost impossible. We advise that you lubricate the pivot mechanism as well as the sides of the hang cube and the top transom. Use a silicone spray.

