




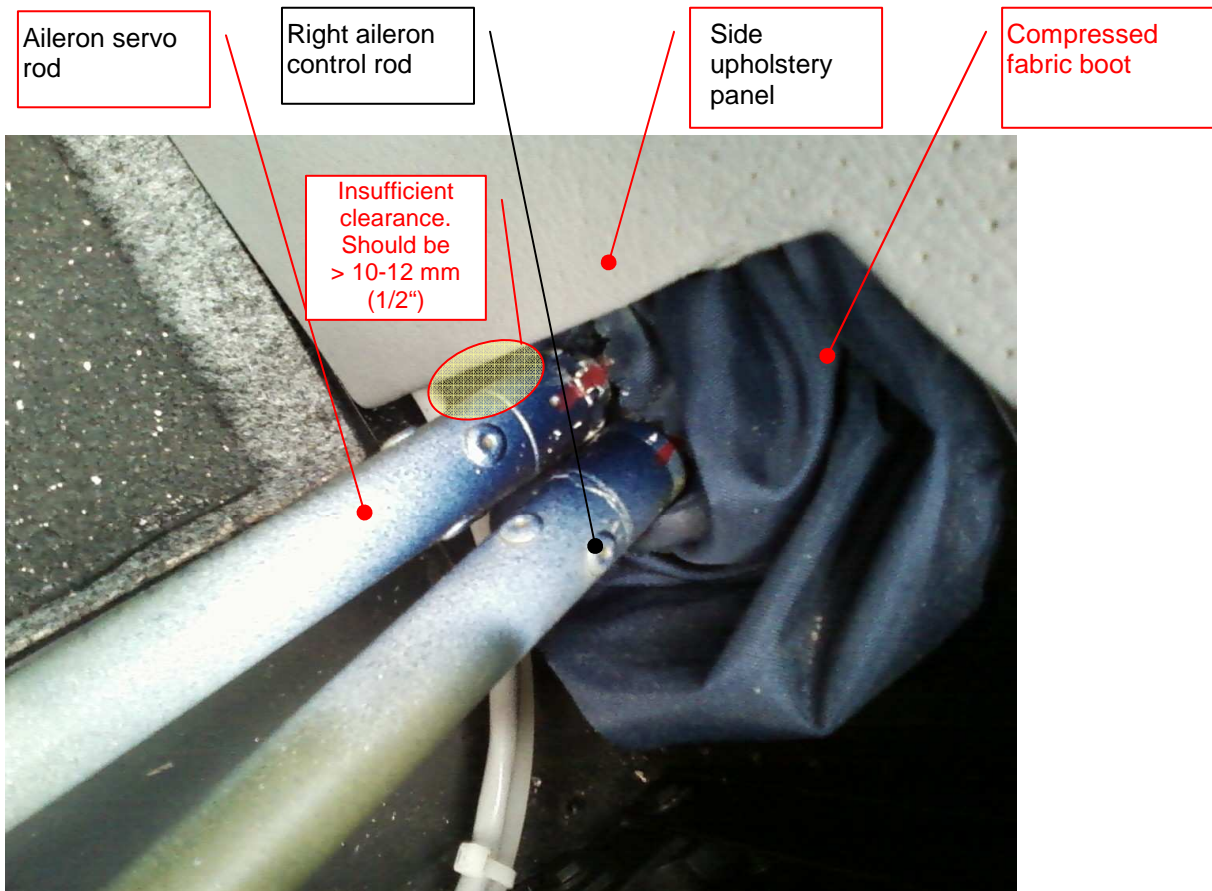
Issues

**MANDATORY BULLETIN No. EV 97 – 016 a
SPORTSTAR – 015 a**

1. **CONCERNING TO:** Only the **EV-97 Eurostar** and **SportStar** airplanes **fitted with an autopilot**.
2. **REASON:** During a pre-flight inspection of a SportStar having an autopilot installation, jamming of the lateral control moved fully to the right was found. The cause was a failure of a zip tie attaching the fabric boot to the rods which allowed the compressing of the fabric boot covering aileron servo rod and aileron rod at the fuselage right side. Compressed fabric boot in combination with a small clearance between the right upholstery panel and aileron servo rod caused jamming of the lateral control – see Appendix 1.
3. **ACTION:** Modification of fabric boot attachment to the rods and trimming of shape of the right upholstery panel.
4. **ACTION LATEST DATE:** Prior to next flight perform inspection and modification according to Appendix 2.
At each 50 hours inspection check this area.
5. **ACTION TO BE DONE BY:** Airplane owner or qualified mechanic.
6. **COSTS COVERED BY:** Airplane owner
7. **NECESSARY MATERIAL:** see Appendix 2 Modification of Fabric Boot Attachment and Upholstery Panel Shape.
8. **WORK PROCEDURE:** see Appendix 2 Modification of Fabric Boot Attachment and Upholstery Panel Shape.
9. **APPENDICES:** Appendix 1 Jammed Lateral Control
Appendix 2 Modification of Fabric Boot Attachment and Upholstery Panel Shape
10. **ELABORATED BY:**
Petr Javorsky, LSA Project Manager  23.6.2010



APPENDIX 1 Jammed Lateral Control





Appendix 2 Modification of Fabric Boot Attachment and Upholstery Panel Shape.

Necessary material:

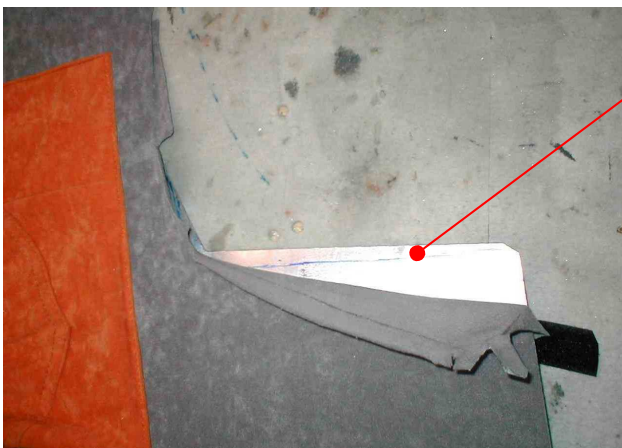
- pencil, rule to mark cut out on the upholstery panel
- cutting pliers to cut zip ties
- snips to trim panel shape
- 2 zip ties to tighten fabric boot to the push-pull rods
- Emfismastic PU 50 sealant or another glue suitable to stick together absorbent and non-absorbent materials

Procedure:

1. Use 1 zip tie to fix the fabric boot to each rod as shown on the picture. Move the control stick fully left and right to check aileron full deflections. If full movement is impossible then adjust position of the zip ties and check again. Apply a glue to fix fabric boot ends to the rods.



2. Remove right seat upholstery. Remove hand control right cover in front of the right seat. Visually check clearance between the front rod and edge of the upholstery panel. If the clearance is less than 10-12 mm i.e. ½" (see picture on previous page), then carefully remove right upholstery panel (its top edge is inserted under the fuselage side angle and further Velcro strips are used to fix panel to the fuselage side), carefully remove the upholstery in area of the cut out (see picture below), use pencil and rule to mark new shape of cut out, trim by means of snips, deburr, glue upholstery back to panel.



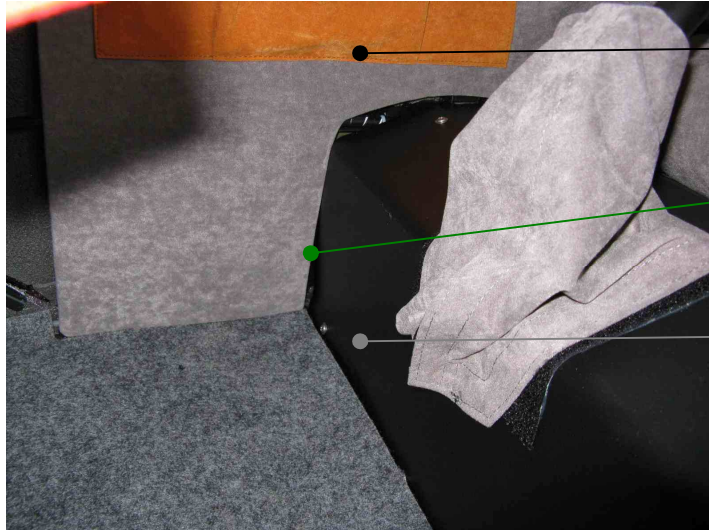
Front edge.
Enlarge the cut
out.



Re-install the upholstery panel. Re-install the hand control right cover.

Move a control stick left and right to check lateral control full movement.

Record performance of this bulletin into the Airplane Log Book.



Right upholstery
panel

Front edge.
Cut out trimmed.

Hand control
right cover