



Issues

MANDATORY BULLETIN No. EV 97 – 013 a

1. **CONCERNING TO:** All **EV-97 Eurostar** aeroplanes manufactured till 01.12.2009 (incl.), except SLW model.
2. **REASON:** Differences between real material characteristics of the wing spar caps and data declared by the material manufacturer on the material certificates have been found in operation.
3. **REQUIRED ACTION:** A strength check of the wing spar caps by the aeroplane manufacturer.

The following speed limitations are set up for all aeroplanes until the strength check is done:

1. **Manoeuvring speed V_A is reduced of 30 km/h (16 knots, 19 mph)** (e.g. from 170 km/h to 140 km/h). Do not make full or abrupt control movements above this speed. Original speed V_A is shown in the Flight manual and on a placard in the aeroplane.

2. **Rough-air speed V_{RA} is reduced of 30 km/h (16 knots, 19 mph)** (e.g. from 200 km/h to 170 km/h). Original speed V_{RA} is shown in the Flight manual.

3. **Never-exceed speed V_{NE} is reduced of 30 km/h (16 knots, 19 mph)** (e.g. from 270 km/h to 240 km/h). Original speed V_{NE} is shown in the Flight manual and on a placard in the aeroplane.

4. **Do not exceed Maximum Permitted Takeoff Mass** shown in the Flight Manual and on a placard in the cockpit.

Aeroplane owner/Operator shall inform all users of his/her aeroplane with the limitations above, e.g. by installation of a placard in the cockpit like this:

WARNING		
Manoeuvring speed	V_A	limited to 140 km/h IAS
Rough-air speed	V_{RA}	limited to 170 km/h IAS
Never exceed speed	V_{NE}	limited to 240 km/h IAS
Do not exceed MTOW!		

Note: The speed limits shown in placard above are just for illustration.

Original speed limits which are going to be reduced are stated in the Flight Manual and may differ from country to country.

4. **LATEST DATE OF ACTION:** The aeroplanes at given territory will be checked during factory recalls of the aeroplane manufacturer. Known aeroplane owners will be informed in advance on dates of inspections, under cooperation with local dealer.
5. **ACTION CARRIED OUT BY:** Aeroplane manufacturer
6. **COSTS COVERED BY:** Aeroplane manufacturer covers direct costs to perform the inspection.
7. **NECESSARY MATERIAL:** Will be assured by the aeroplane manufacturer



- 8. WORK PROCEDURE:** The aeroplane manufacturer shall perform non-destructive testing and evaluation of strength of the wing spar caps according to his own methodology.
- Found strength characteristics will be compared with the required values and :
- the aeroplane is airworthy without limitations above
 - the aeroplane is airworthy with temporary limitations above, until a repair will be done
 - the aeroplane is unairworthy because of safety and an urgent repair is necessary

- 9. APPENDICES:** Unused

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