

## 1. Introduction

The ECE- Regulation No.95 requires the use of a special side impact dummy, the so called EuroSID1 Dummy. All elements of the dummy are described in the text of the ECE- Regulation 95, last amended by the supplement 1 to the 01 Series of amendments with a date of entry into force of 16 November 1999.

Annex 6 of this Regulation contents a technical description of the side impact dummy and a figure 1 where the construction of the side impact dummy is shown. One of the drawings presents the back plate, marked with 5b. It is essential to know that this plate comes from the frontal impact dummy. The sides of the backplate has sharp edges which has no influence of the movement of the dummy in case of an frontal impact test. In lateral impacts it sometimes occur that seat structures push the backplate sideways and by this effect a reduction of the loads to the ribs can be observed.

In the meantime the backplate has been modified in so far that the edges of the back plate has been bent forward. With the prescribed modification the movement of the side impact dummy will not be influenced and the thoracic loads will not be reduced by the form of the backplate.

## 2. Proposal

The proposal of Germany is to allow the use of the bended backplate, because the modified backplate leads to precise ( correct loading of the thorax) and reproducible results . It seems sufficient to make a remark in the GRSP report only (and to amend the text of the regulation after further modifications of the side impact dummy).

Pictures of the different back plates:

