Note: The text reproduced below was prepared in order to provide data in respect of the Document ECE/TRANS/WP.29/GRSP/2006/9. This document was issued by CLEPA to amend the Regulation with regard to the horizontal plane requirement of 800 mm . During the discussions of that subject in the last GRSP sessions it was felt necessary to provide data for GRSP about the available space in cars in account of the 800 mm plane. These data were taken from the rear bench of the most common cars in Germany and Sweden (Volvo). On page 2 the measurements are explained and demonstrated with a graph. On page 3 and following the measured data (only distances $B$ on the graph of page 2 ) are listed.

## 800mm Plane in Regulation No. 44 - Measurement of available space in cars <br> Proposed Measurement Procedure

1. Front seat adjustment
a. Adjust front seat in longitudinal direction at mid travel. Adjust height at mid travel if applicable.
b. Adjust seat back angle so that it reaches $25^{\circ}$ with respect to a vertical axis
2. Rear seat adjustment
a. If applicable adjust the rear seat, using the same method as for the front seat
3. Determining Seat Cr point
a. Using the Gabarit defined in UN ECE R16 regulation, determine the Cr point of both rear and front seats
4. Determining point X
a. Point X lies in a horizontal plane passing through point Cr such as the Distance $\mathrm{XCr}=$ 550 mm . Determine X for both rear and front seats
5. Measuring distances $\mathrm{A}, \mathrm{B}$ and C for rear and front seats
a. Measure distance A which is defined as the horizontal distance from the Cr point to the nearest point of the rear of the front seat.
b. Measure distance B which is defined as the vertical distance from the CR Point to the roof.
c. Measure distance C where C is the vertical distance from X point to the roof

D.Downie

Britax Research Institute 2006.

| Manufacturer | Model | Model Year | Distance B (mm) |
| :---: | :---: | :---: | :---: |
| AUDI | A2, 1.2 TDI | 4/2001 | 915 |
|  | A2 | 2000 | 915 |
|  | A3, S3 (AB2) | 05/2003 | 905 |
|  | A4, S4, RS4, B6,B7 | 11/2000 | 895 |
|  | S6 Avant (C6) | 01/2004 | 945 |
|  | A8, S8 (D3) | 11/2002 | 905 |
|  | Q7 | 03/2006 | 920 |
| BMW | 1 series | 2005 | 920 |
|  | 3 series |  | 910 |
|  | 5 series |  | 902 |
|  | 6 series |  | 864 (Cabriolet) |
|  | 7 series |  | 944 |
|  | X3 |  | 934 |
|  | X5 |  | 945 |
|  | Z4 |  | 883 |
|  | Mini |  | 920 |
| CITROEN | C8 (as Fiat Ulysse) | 2003 | 970, 910 (2., 3.row) |
|  | Xsara Picasso |  | 915 |
| FIAT | Ulysse | 2003 | 970, 910 (2., 3.row) |
| FORD | Focus C-Max | 2003 | 920 |
|  | Focus | 11/2004 | 920 |
|  | Galaxy | 03/2006 | 940 |
|  | Maverick |  | 910 |
|  | S-Max | 03/2006 | 940 |
| LANCIA | Phedra | 2003 | 970 (2. row) |
| MAZDA | 2 |  | 930 |
|  | 3 | 10/2003 | 935 |
|  | 5 | 02/2005 | 970 |
|  | 6 / Atenza | 05/2002 | 945 |
|  | RX-8 | 04/2003 | 900 |
| MERCEDES | A-Class | 05/2005 | 950 |
|  | B-Class | 06/2005 | 950 |
|  | C-Class Coupé | 05/2001 | 880 |
|  | CLS-Class | 10/2004 | 870 |
|  | R-Class | 12/2005 | 895 |
|  | S-Class | 09/2002 | 920 |
|  | Viano, Vito | 2004 | 1100 |
| OPEL | Astra | 03/2004 | 935 |
|  | Corsa C | 09/2000 | 920 |
|  | Meriva | 02/2002 | 920 |
|  | Vectra-C or -CC | 04/2002 | 940 |
|  | Vectra Caravan | 09/2003 | 940 |
|  | Zafira B | 05/2005 | 940 |
| PEUGEOT | 107 | 2005 | 910 |
|  | 206 | 06/2000 | 905 |
|  | 207 | 2006 | 910 |
|  | 307 Limousine | 2001 | 940 |
|  | 307 Estate | 2002 | 910 |


| Manufacturer | Model | Model Year | Distance B (mm) |
| :---: | :---: | :---: | :---: |
| PEUGEOT | 407 | 204 | 890 |
|  | 1007 | 01/2005 | 940 |
| RENAULT | Clio | 09/1998 | 932 |
|  | Espace | 01/2000 | 937 |
|  | Laguna | 01/2001 | 887 |
|  | Megane 2 | 09/2002 | 887 |
|  | Megane Scenic | 07/2003 | 907 |
|  | Twingo | 06/2002 | 867 |
|  | Vel Satis | 01/2002 | 942 |
| SEAT | Arosa | 1998 | 900 |
|  | Alhambra | 1998 | 940 |
| SKODA | Fabia | 08/1999 | 900 |
|  | Octavia II | 2004 | 925 |
|  | Roomster | 03/2006 | 990 |
|  | Superb | 10/2001 | 880 |
| TOYOTA | Avensis | 01/2003 | 940 |
|  | Corolla | 10/2001 | 935 |
|  | Prius | 10/2003 | 900 |
|  | Yaris | 2005 | 890 |
| VOLVO | V70 |  | 914 |
|  | S40 |  | 888 |
|  | S60 R |  | 937 |
| VW | Caddy | 2000 | 1090 |
|  | Fox | 2005 | 890 |
|  | Golf IV Limousine | 09/1997 | 885 |
|  | Golf V | 09/2003 | 950 |
|  | Golf plus | 2005 | 925 |
|  | Jetta | 2005 | 905 |
|  | Lupo | 1998 | 900 |
|  | New Beetle | 1998 | 860 |
|  | New Beetle Cabrio | 2002 | 910 |
|  | Passat B6 | 2005 | 915 |
|  | Polo | 2005 | 910 |
|  | Polo (A 04) | 10/2001 | 910 |
|  | Sharan | 1998 | 880 |
|  | T4 Multivan 2 | 02/1999 | 940 |
|  | T5 Multivan | 2003 | 960 |
|  | Touareg | 2002 | 1070 |
|  | Touran | 2003 | 933 |
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