

Transmitted by the expert from the United States of America

National Highway Traffic Safety Administration  
U.S. Department of Transportation

## **Federal Motor Vehicle Safety Standard No. 202, Head Restraints Summary of Jan. 4, 2001 Notice of Proposed Rulemaking**

Reference: <http://dms.dot.gov>, NHTSA Docket No. NHTSA-2000-8570

### **Dimensional Requirements**

- ?? Front and Rear Outboard Seats.
- ?? Height:
  - Front - Must achieve > 800 mm.
  - Front and Rear - No adjustment < 750 mm. Consistent with ECE 17/25.
- ?? Backset < 50 mm.
- ?? Min. Width: Unchanged - Consistent with ECE for bucket seats and exceeds ECE for bench seats.
- ?? Max. Gap: Consistent with ECE - 60 mm in HR. 25 mm between lowered adjustable HR and seat. Limit consistent with ECE, but measurement method is not.

### **Energy Absorption**

- ?? Head form strike at 24.2 km/h peak deceleration of 80g. Consistent with ECE; however FMVSS No. 202 proposes a linear impactor.

### **Strength and Lock Requirements**

- ?? Test height and backset locks at multiple adjustment positions.
- ?? 102 mm deflection limit unchanged, but test procedure harmonized with ECE.
- ?? 890 N force requirement altered such that seat back failure no longer acceptable.

### **Dynamic Compliance Option** - No similar requirement for ECE.

- ?? Limit head-torso rotation < 12 degrees for a 50th male dummy in the front and rear, and < 20 degrees for a 95th male in the front.
- ?? More realistic acceleration corridor.