MOTOR VEHICLE SAFETY TEST METHODS

CHAPTER 2

SECTION 207 - ANCHORAGE OF SEATS

1. INTRODUCTION

Subsection 2 and Figures 1 to 5 of this Section make up the test methods referred to in Section 207 of Schedule D to the Motor Vehicle Safety Regulations, which I approve for demonstrating compliance with the requirements of Section 207 of Schedule D of the said Regulations.

Gordon D. Campbell,
for Minister of Transport
Ottawa,

2. TEST PROCEDURES

2.1 Apply the forces specified in subsections 207(1)(a)(i)(A) and 207(1)(a)(i)(B) of Section 207 of Schedule D to the Motor Vehicle Safety Regulations as follows:

2.1.1 If the seat back and the seat bench are attached to the vehicle by the same attachments, secure a strut on each side of the seat from a point on the outside of the seat frame in the horizontal plane of the centre of gravity of the seat to a point on the frame as far forward as possible of the seat anchorages. Between the upper ends of the struts, place a rigid cross-member, in front of the seat back frame for rearward loading and behind the seat back frame for forward loading. Apply the force specified by subsections 207(1)(a)(i)(A) or 207(1)(a)(i)(B) of Schedule D to the Motor Vehicule Safety Regulations horizontally through the rigid cross-member as shown in Figure 1.

Approved 7 Dec. 1973

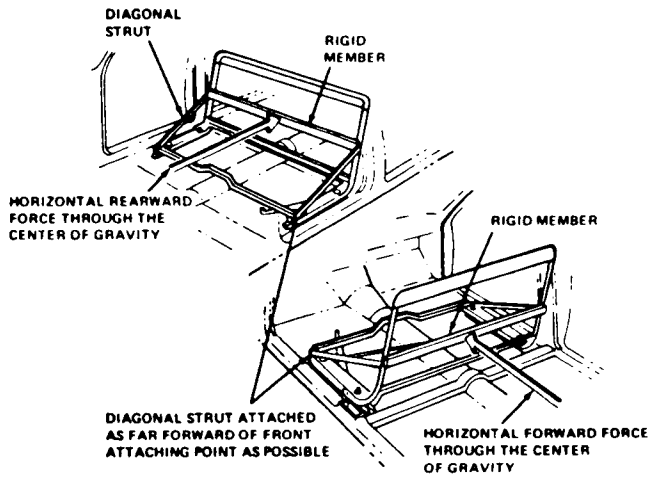

FIGURE 1

2.1.2 If the seat back and the seat bench are attached to the vehicle by different attachements, attach to each component a fixture capable of transmitting a force to that component. Apply forces equal to 20 times the weight of the seat back horizontally through the centre of gravity of the seat back, as shown in Figure 2, and apply forces equal to 20 times the weight of the seat bench horizontally through the centre of gravity of the seat bench, as shown in Figure 3.

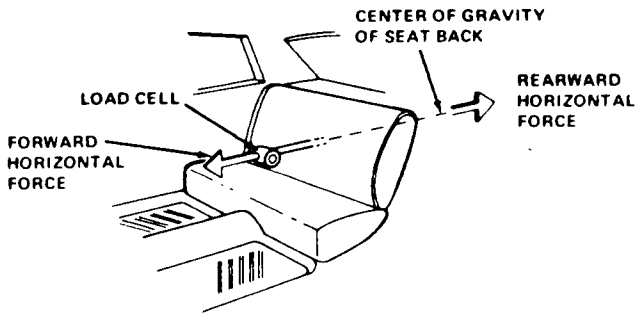

FIGURE 2

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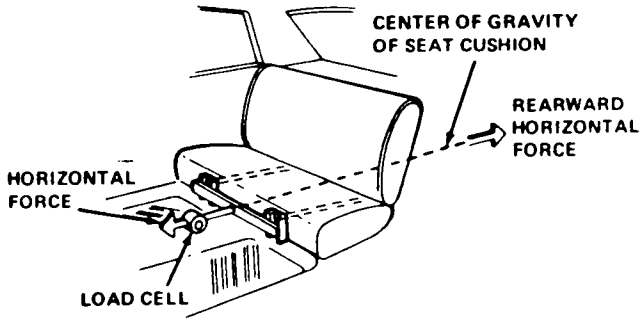

FIGURE 3

2.2 Develop the moment specified in subsection 207(1)(b)(i) of Section 207 of Schedule D of the Motor Vehicle Safety Regulations as shown in Figure 4.

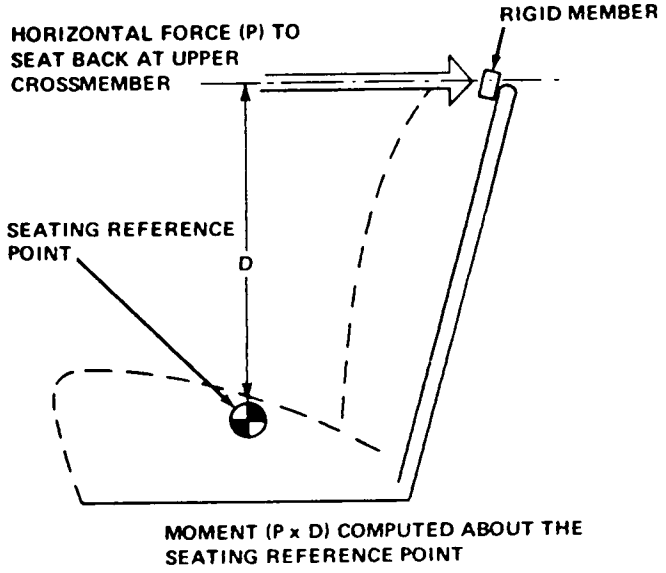

FIGURE 4

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2.3 Apply the forces specified in subsections 207(5)(a) and (b) of Schedule D of the Motor Vehicle Safety Regulations to a hinged or folding seat, as shown in Figure 1, and to a hinged or folding seat back, as shown in Figure 5.

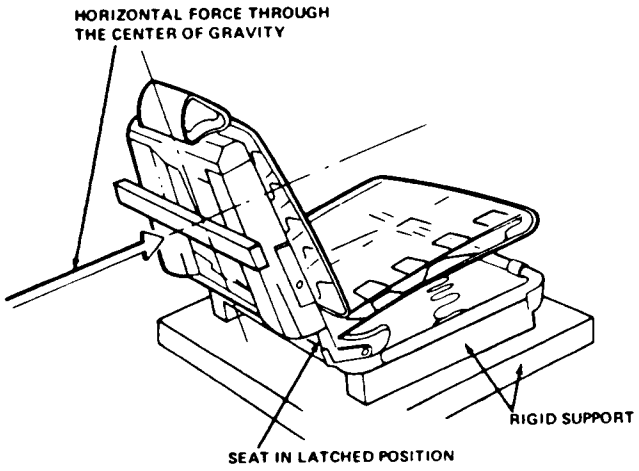

FIGURE 5

2.4 Determine the centre of gravity of a seat or seat component with all cushions and upholstery in place and with the head restraint in its fully extended design position.