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Technical Bulletin

Seat Movement Definitions

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April 2019
TB 028

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Preface

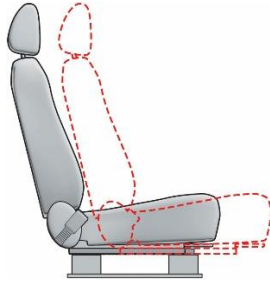
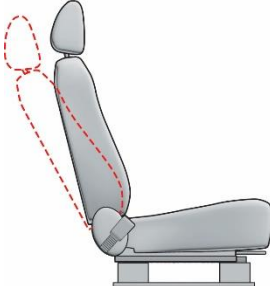
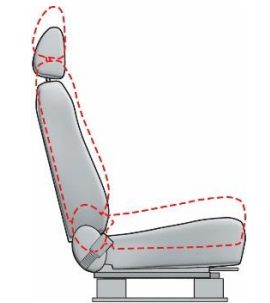
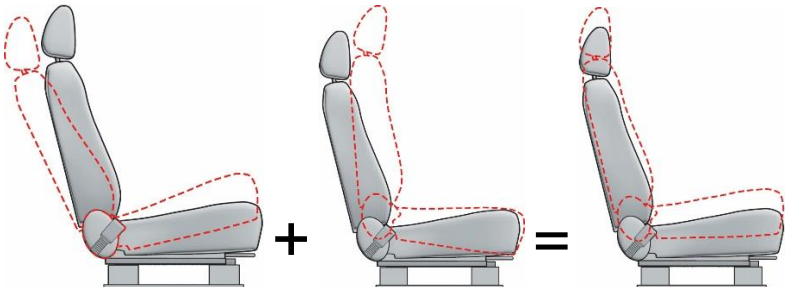
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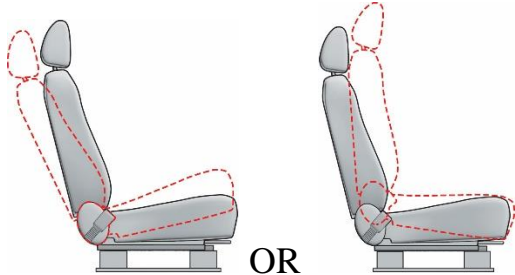
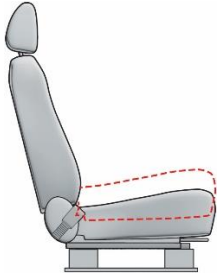
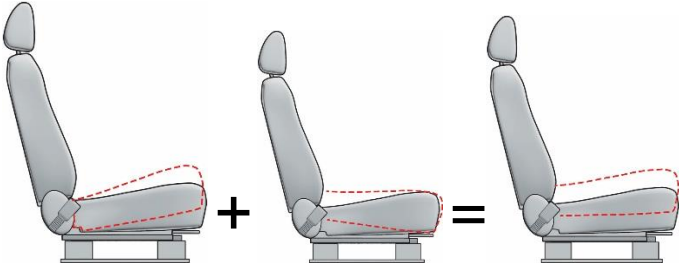
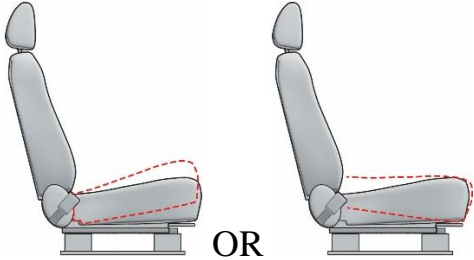
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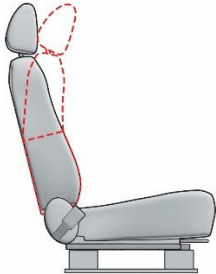
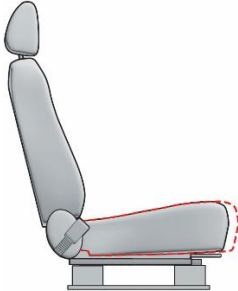
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1. Seat Movement Definitions

<p>Seat Track – An adjustment that moves the entire seat (seat cushion and seat back) in the fore and aft directions.</p>	 <p>A side-view diagram of a seat on a base. Red dashed lines outline the seat's position in two different horizontal locations, illustrating the fore-and-aft movement of the entire seat assembly.</p>	
<p>Seatback – An adjustment that rotates the entire seat back, independently of the seat cushion, about a pivot at the seat back/seat cushion joint, therefore, changing the angle of the seat back relative to the seat cushion.</p>	 <p>A side-view diagram of a seat on a base. Red dashed lines outline the seat back in two different reclined positions, showing rotation around the joint between the backrest and the seat cushion.</p>	
<p>Seat Height – An adjustment that moves the entire seat vertically (seat cushion and seat back in unison). This adjustment must keep the angle of the seat cushion similar relative to the ground. This can be one control (2-way) that moves the whole seat in unison or a combination of controls (4-way – a toggle or multiple knobs) that, when used together, keep the angle of the seat cushion the similar relative to the ground.</p> <p>NOTE: It is not possible to have 4-way seat height and seat tilt.</p>	 <p>A side-view diagram of a seat on a base. Red dashed lines outline the seat in two different vertical positions, showing the entire seat moving up and down while maintaining its angle.</p> <p style="text-align: center;">2-way (one control)</p>	 <p>A diagram showing three seats on bases. The first seat is in a reclined position. A plus sign follows. The second seat is in an upright position. An equals sign follows. The third seat is in a reclined position. Red dashed lines outline the seats in their respective positions.</p> <p style="text-align: center;">4-way (toggle or multiple knobs)</p>

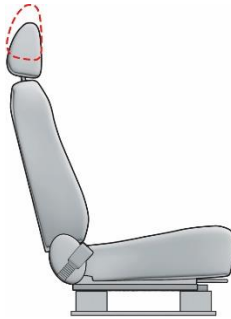
<p>Seat Tilt – An adjustment that rotates the entire seat (seat cushion and seat back in unison). This adjustment rotates a seat in such a way to significantly change the angle of the seat cushion, relative to ground, from its full-down position. This adjustment can move either the front or rear of the seat in order to change the angle.</p>		
<p>Seat Cushion Height – An adjustment that moves the seat cushion vertically, independent of the seat back, while keeping angle of the seat cushion similar relative to the ground. This can be one control (2-way) that moves the whole seat cushion in unison or a combination of controls (4-way – a toggle or multiple knobs) that, when used together, keep the angle of the seat cushion similar relative to the ground.</p> <p>NOTE: It is not possible to have 4-way seat cushion height and seat cushion tilt.</p>	 <p>2-way (one control)</p>	 <p>4-way (toggle or multiple knobs)</p>
<p>Seat Cushion Tilt – An adjustment that moves the seat cushion, independent of the seat back, in such a way to significantly change the angle of the seat cushion, relative to ground, from its full-down position. This adjustment can move either the front or rear of the seat cushion in order to change the angle.</p>		

<p>Lumbar Support – An adjustment that causes the lower centre portion of the seat back to protrude in order to provide support to the lumbar section of an occupant’s spine.</p>		
<p>Upper Seat Back – An adjustment that rotates only the upper portion of the seat back about a pivot point in the seat back. This adjustment will change the angle of the upper seat back relative to the lower portion of the seat back.</p>		
<p>Cushion Extension – An adjustment that moves or extends a portion of the seat cushion forward so that the overall length of the cushion can be increased.</p>		

Side Bolsters – An adjustment that moves the sides of the seat back or seat cushion so that the contour of the seat can be changed.



Head Restraint Height – An adjustment that moves the head restraint vertically.



Head Restraint Tilt – An adjustment that moves the head restraint horizontally.

