



BOSTROM SEATING DESIGN CHANGES

OVERVIEW

We recently received word from our OEM rep at Bostrom (Bev Lowery) that there are some seating design changes being incorporated that we wanted to make you all aware of.

The first involves a new NFPA standard regarding seat belts as noted in their recent press release:

“Submitted and developed by the seat belt manufacturer Indiana Mills & Manufacturing, Inc. (IMMI), a revised NFPA 1901 standard for seat belts went into effect for all fire trucks sold after *January 1, 2016*. All new production Bostrom FireFighter™ seats will meet the revised standard regarding seat belt stalk length effective *August 1, 2016*, which requires the length be limited to 4” past the H-Point (the H-point location is approximated by a point in space 5” forward of the seat back and 2” above the non-compressed seat cushion – see Figure 14.1.3.2.3). This revision was meant to improve the fit of belts across the torso, improving the effectiveness of the belt in the event of a crash.”

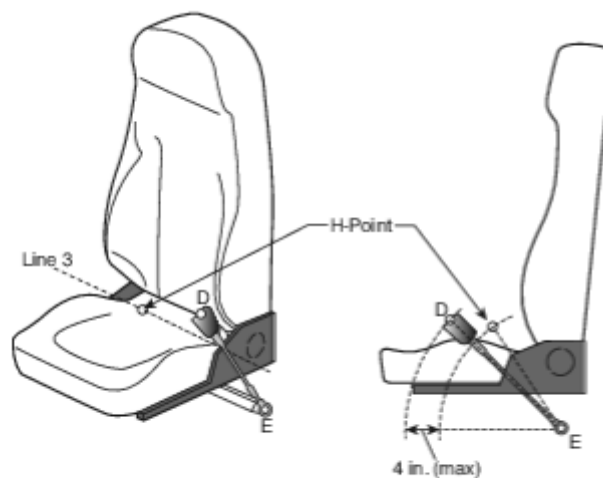


FIGURE 14.1.3.2.3 Dimension Lines for Measuring Buckle Length.



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In addition to meeting the new standard, the following benefits have been incorporated into the new seat belt design for Bostrom FireFighter™ seats:

- 12" longer webbing to better fit all sized fire fighters
- Increased retraction spring force to reduce incidents of seat belt snags on equipment and doors
- Promote seat belt retraction with lighter tongue, better tongue stop, and longer sleeve

Bostrom FireFighter™ seats are already in full compliance with the revised NFPA 1901 safety standard for SCBA locking systems, which are required to be dynamically tested by being subject to a deceleration pulse that exceeds 2g for at least 60 ms in the vertical direction, and 10g in the horizontal plane in four directions (0, 30, 90, and 180 degrees).

They are also redesigning the backrest on the Sierra seats for better contour as noted in the below press release:

“Keeping with our commitment to continuous product improvement and customer satisfaction, Bostrom FireFighter™ is pleased to announce a new look and enhanced level of style and comfort for our Sierra reclinable driver seats coming this July. Seat models Sierra EX8 and Sierra RX/ABTS – with and without air suspension – will come with a new contoured back foam offering a more comfortable, ergonomic ride. This new feature rolls out July 5 for the Sierra RX/ABTS and July 11 for the Sierra EX8 seats.”



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PREVIOUS DESIGN



NEW DESIGN

If you have any questions, please contact your SAE. We can also put you in touch with our OEM rep if you would like to discuss these changes in greater detail.