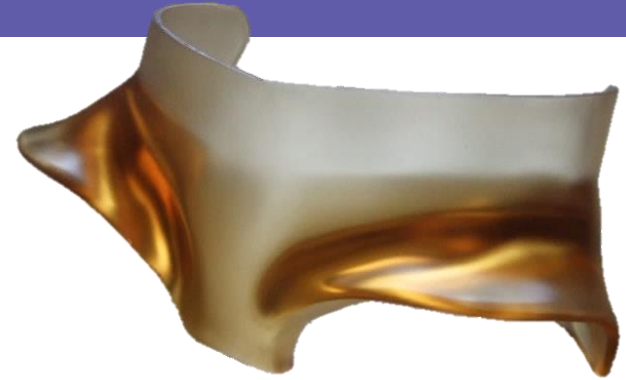


Q10 HIP INSERT INSTALLATION



GRSP IG Child Restraint Systems
August 31, 2017

Introduction

- Hip insert introduced to prevent belt getting trapped in opening between pelvis and thigh
 - Accepted in R129 (Q3, Q6 and Q10) and Euro NCAP 2018 (Q6 and Q10)
- Humanetics received feedback that the Q10 hip inserts are difficult to install



Q10 Hip liner

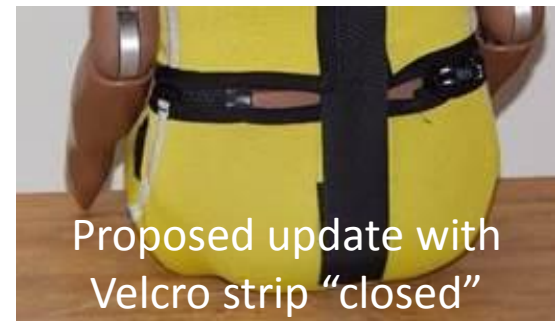


Q6 Hip liner on dummy



Proposed Solution

- Zipper and Velcro strap stitched to upper rim of trousers
- Both items limit stretch of the trousers fabric along the top side
- Shortening the Velcro patch on the trousers provides sufficient flexibility / stretch in the trousers to easily install the hip insert
 - Does not affect fitting of trousers
 - Remaining Velcro area is sufficient to attach as before proposed change
 - Change can easily be done by dummy owners
 - Humanetics to provide instructions in Service Bulletin



Hip liner installation instruction video

