



**SLED TEST RUN: BX07-17-002**

<b>Braxx - FRONTAL IMPACT SLED TEST - DATA SUMMARY</b>																		
Sled Test # Date	FMVSS / CMVSS	Veh. Seat Position	Child Restraint	Harness Position	Crotch Position	Recline Position	Seat Direction / Mode	Restraint System	Tether (Y/N)	ATD	Canadian Head Clip 3ms (g's)	HIC 36ms (g's)	Chest 3ms (g's)	Head Ex (in) Pre SB Angle (deg)	Knee Ex (in) Post SB Angle (deg)	Vertical Head CG Exceeded (Y/N)	Test G's (g's)	Velocity (mph)
BX07-17-002B 07/18/2017	F	P6	Smart Kid Belt	-	-	-	FF	Type 2	N	6-YO HYB III SN 141	56	558.9	47	13.7	19.3	--	23.2	29.9
<b>Comments:</b> - Lap shield is used. No post-test issues.																		
<b>Bottom Foam (2"x20" and 4"x20")</b>				-				<b>Back Foam (2"x24" and 4"x24")</b>				-						
Test	Compliance Requirement															Test Result	Pass/Fail	
Buckle	( S5.4.3.5(e) of CFR 571.213 2015) Buckle did not release during the dynamic test															No Buckle	NA	
Structural integrity:	( S5.1.1(a) of CFR 571.213 2015) No Complete Separation															No Structure	NA	
	( S5.1.1(a) of CFR 571.213 2015) No Partial Separation with Exposed Edge Radius < 6.4mm (1/4")															No Structure	NA	
	( S5.1.1(a) of CFR 571.213 2015) No Partial Separation with Protrusion> 9.5mm (3/8")															No Structure	NA	
Adjustment Positioning During Impact:	( S5.1.1(b)(1) and S5.1.1(b)(2)(ii) of CFR 571.213 2015) No Change of Position or Decrease in Existing Openings from change.															No Change	Pass	
RF Head Excursion:	( S5.1.3.2 of CFR 571.213 2015) Head CG not beyond the forward-most edge of the restraint system nor shall the head-torso angle be more than 45 degrees rearward															NA	NA	
Max. Back Support:	( S5.1.4 of CFR 571.213 2015) Equal to, or less than 70 degrees															NA	NA	
Head Support	( S5.2.1.1(c) of CFR 571.213 2015) Head to torso angle difference less than 45 degrees when placed in seat (whiplash)															NA	NA	
<b>Chest Acceleration:</b>	( S5.1.2.1(b) of CFR 571.213 2015) The chest acceleration shall not exceed <b>60g</b> for intervals whose cumulative duration is more than 3 ms.															<b>47</b>	Pass	
<b>Head Acceleration:</b>	( S5.1.2.1(a) of CFR 571.213 2015) Maximum calculated head injury criterion for a 36ms time interval shall not exceed <b>1000</b> (not applicable for tests using 10YO & weighted 6-year-old dummy).															<b>558.9</b>	Pass	
<b>Forward Head Excursion</b>	( S5.1.3.1(a)(1) of CFR 571.213 2015) Allow any portion of the head to go more than <b>32"</b> (813mm) past Z-point - unless tethered, then 28.3" (720mm) past Z-point.															<b>13.7</b>	Pass	
<b>Forward Knee Excursion</b>	( S5.1.3.1(a)(2) of CFR 571.213 2015) Allow knee pivot point to go more than <b>36"</b> (915mm) past Z-point.															<b>19.3</b>	Pass	

**CHILD RESTRAINT  
SLED TEST  
FMVSS 213 Frontal Impact**



*Report Number: 1067-17-01  
Report Date: July 19, 2017*

Test Date: July 18, 2017

**Test Conducted By:**

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**Prepared For:**

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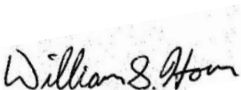


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Date: July 19, 2017