

A close-up photograph of a child's face and upper torso, wearing a grey car seat harness with a white plastic buckle. The child is wearing a light blue short-sleeved shirt. The background is a light-colored, patterned fabric. The text is overlaid on the right side of the image.

# **Child Restraint Manufacturer: What's New**

**Bob Wall, CPSTI  
Emilie Crown, CPSTI**

**Brought to you by  
State Farm<sup>®</sup> and Safe Kids  
January 23, 2014**

# Watching with friends?

- **Only the person who registered will get the CEU confirmation email.**
- If you are part of the group:
  - Assign an organizer.
  - Use a sign in sheet with the webinar name, date and time of the webinar.
  - Enter the CEU as an “In-Person” update and keep a copy of the sign in sheet in case you are CEU-audited.

# Objectives

By the end of the session, attendees will be able to:

1. Identify contact information for each speaker
2. Provide information on at least 3 new features/models/updates
3. Discuss the importance of following manufacturer instructions and guidance
4. Share where to find manufacturer contact information

# About Bob...



- Bob is a Retired Law Enforcement Officer from Fairfax County
- He currently **coordinates the child passenger safety programs** for the Prince William County, VA, Department of Fire & Rescue.
- Bob served as a member of the **National Child Passenger Safety Board** and served as the Chair in 2011 and recently completed his tenure in January 2013.

# About Emilie...



- Emilie has been involved with Child Passenger Safety since 1998.
- 20 years as an emergency nurse. She has managed the car seat program in **Montgomery County Maryland** since 2000 and is a CPSTI and an instructor for Transporting Children with Special Healthcare Needs.
- Emilie is **co-coordinator of Safe Kids Montgomery County**, is a member of the child fatality review team and a past member of the **National CPS Board**.



# New Child Restraints

Seats shown and presented in this presentation are in no order of preference or importance. This presentation is not intended to be inclusive of all of the seats available on the market or in development or production.

# Trends noticed at ABC Show

- \* Foot Props on rear facing only seats (2 currently -One more coming March 2014)
- \* More rear facing seats to choose from
- \* Continued focus on increased side impact protection
- \* More new car seat manufacturers coming to USA
- \* Changes have been made due to new FMVSS Standards (Feb 2014)
- \* QR Codes directing to instruction manuals and registration are on more products

# Graco

- \* **Contender™ 65 Convertible Car Seat**
- \* Rear Facing Infants 5-40 lbs
- \* Forward Facing Toddlers 20-65 lbs
- \* Top of head must be at least 1" below the top of the head rest actuator and child must not exceed 45"



# Graco

- \* **Contender™ 65 Convertible Car Seat**
- \* Convertible car seat that easily grows featuring a harness and headrest that adjust together.
- \* Available end of January/early February 2014
- \* \$159.99 MSRP



# Graco

## Contender™ 65 Convertible Car Seat



# Graco

Ball MUST be entirely in blue.

¡El indicador debe  
mantenerse en azul!

3+ months  
/ meses

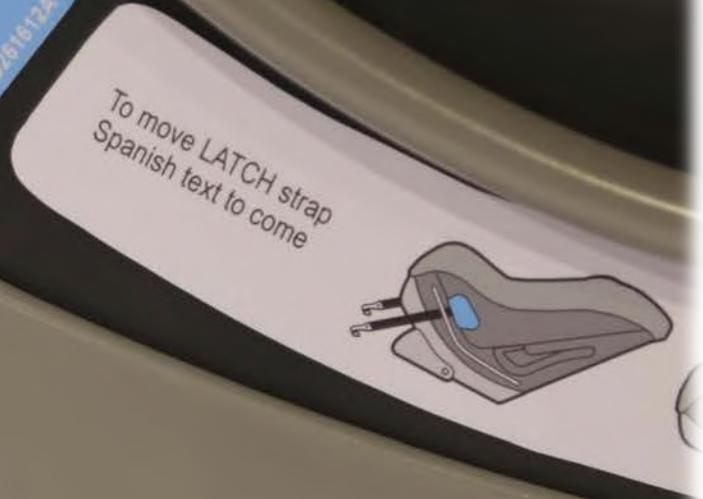
0+ months  
/ meses

PD224479A

**Contender™ 65  
Convertible Car Seat**

# Graco

## Contender™ 65 Convertible Car Seat



# Graco



- \* **Size4Me™ 65 Convertible Car Seat after February**
- \* **The Simply Safe Adjust™ harness system one-hand, height-adjustable headrest with a no re-thread harness, which automatically adjusts the harness shoulder position.**
- \* **2-buckle positions, 8-position adjustable headrest and 3-position recline**

# Graco

- \* **InRight™ LATCH** provides a click cue to help ensure secure installation and a red push button for easy removal
- \* **Rear-facing infants or toddlers from 4 – 40 lbs. and forward-facing toddlers from 20 – 65 lbs.**
- \* Seat changed from 70 lbs to 65 lbs. due to 10 year old dummy (New Standards)





# Graco

## Argos™ 80 Elite Car Seat

Coming out 2<sup>nd</sup>  
QT of 2014  
\$219.99 MSRP



- \* 20-80 lbs with 5-point harness; 30-100 lbs as Highback Booster; 40-120 lbs as Backless Booster
- \* **One-hand, no re-thread harness that automatically adjusts**
- \* **3-position recline**
- \* One-hand, adjustable headrest
- \* Covered, contoured armrests with **cup holder and storage pockets**

# Graco

## Safety Surround – Side Impact Protection

My Ride 65

TurboBOOSTER

Nautilus

Smart Seat

Affix

Head Wise 65



**SAFETY  
SURROUND**  
SIDE IMPACT PROTECTION

# Graco

- \* **SnugRide® Classic Connect™ Infant Car Seat**
- \* Rear-facing infants from 5-22 lbs. and up to 29 inches
- \* EPS, energy absorbing foam impact energy management
- \* Removable infant head support



# Graco

- \* **SnugRide® Click Connect™ 30 Infant Car Seat**

- \* Rear-facing infants from 4-30 lbs. and up to 30 inches
- \* Safe Seat Engineered\* (\*safeseat engineering includes side impact testing, testing at 2x car seat standard, and testing to extreme car interior temperatures)
- \* EPS, energy absorbing foam for **effective impact energy management**
- \* Stay-in-car base with **6-position dial adjustment** makes proper installation easier



# Graco

- \* **SnugRide® Click Connect™ 35 Infant Car Seat**

- \* Rear-facing infants from 4-35 lbs. and up to 32 inches
- \* Exclusive InRight™ LATCH attachment provides a **click cue** to help ensure secure installation and a red push button for easy removal
- \* LATCH-equipped stay-in-car base features **integrated belt lock-off** for easier seat belt installation
- \* Stay-in-car base with 6-position dial adjustment



# UPPA BABY

## Mesa - Infant Seat

- \* Self retracting LATCH System Connectors
- \* Tightness indicator on base for accurate tight fit
- \* Lock off for belt that also works with tightness indicator



featuring

# SMARTSECURE™ SYSTEM

Self-retracting mini LATCH connectors and  
Tightness Indicator for quick + accurate installation

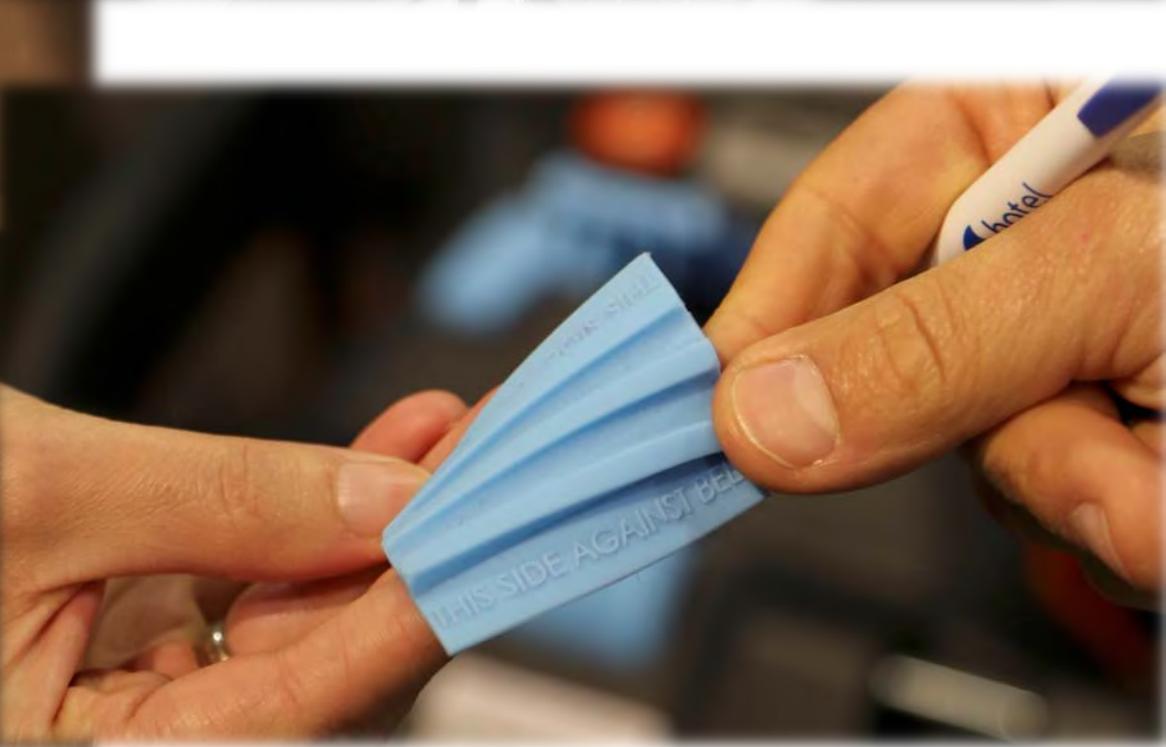


MESA

# UPPA BABY

- \* **Harness & Head Restraint Adjustment**
  - \* Pull tab at top of seat to move harness and head pad up and down
  - \* Side impact protection in head pad
  - \* Accommodates a child 4-35lbs and up to 32 inches





<http://uppababy.com/mesa/>



# Britax

## Pinnacle 90

## Frontier 90



PINNACLE 90 MANHATTAN

FRONTIER 90 CONGO



**INSTALLATION SYSTEM**

[http://www.youtube.com/watch?feature=playe\\_r\\_embedded&v=JhoDyjAYjus](http://www.youtube.com/watch?feature=playe_r_embedded&v=JhoDyjAYjus)

# HOW IT WORKS



Simply squeeze using thumb and finger to reveal the ClickTight Technology.



Thread the seatbelt over the armrest and under the seat opening. Connect the seat belt and remove slack.



Then push it closed. The click tells you you've installed the seat securely.

**Note:** Don't forget to tether your seat by attaching the top tether hook to an approved tether anchor in your vehicle. Please refer to your product user guide for complete installation instructions and your vehicle owner's manual for approved tether anchor locations in your vehicle.

**CLICKTIGHT**  
INSTALLATION SYSTEM

# Britax

- \* ClickTight Installation System allows you to easily achieve a secure installation using the vehicle seat belt in harness mode, without having to worry about the weight of their child
- \* True Side Impact Protection provides deep side walls and a head restraint with energy-absorbing EPP foam
- \* SafeCell Technology designed to keep child safe in a crash by compressing and significantly lowering the center of gravity, reducing the forward movement of the car seat



Frontier 90

# Britax



Frontier 90

- \* Forward Facing:
  - \* Seated Shoulder Height (in) = 12.5 - 20.5
  - \* Weight (lbs) = 2 years old & 25 lbs, up to 90 lbs.
  - \* Height (in) 30 - 58
- \* Booster
  - \* Seated Shoulder Height (in) = 15 – 23
  - \* Weight (lbs) = 40 – 120
  - \* Height (in) 45 - 62

# Britax



Pinnacle 90

- \* **ClickTight Installation System** allows you to easily achieve a secure installation using the vehicle seat belt in harness mode, without having to worry about the weight of their child
- \* **Side Impact Cushion Technology** features energy-absorbing cushions on the exterior of the child seat to reduce side impact crash energy
- \* **SafeCell Technology** designed to keep child safe in a crash by compressing and significantly lowering the center of gravity, reducing the forward movement of the car seat

# Britax



Pinnacle 90

- \* **Forward Facing**
  - \* **Seated Shoulder Height (in) = 12.5 - 20.5**
  - \* **Weight (lbs) = 2 years old & 25 lbs, up to 90 lbs.**
  - \* **Height (in) 30 - 58**
  
- \* **Booster**
  - \* **Seated Shoulder Height (in) = 15 – 23**
  - \* **Weight (lbs) = 40 – 120**
  - \* **Height (in) 45 - 62**

# Britax

- \* Changes in Convertible Platform
  - \* Weight Change back to 65lbs
  - \* Hugs Re-design
  - \* No harness strap connecting hugs to seat
  - \* Insert mandatory to 22 lbs – to get proper harness fit then remove – this replaces foam they can get now
  - \* Changes in stores by Dec 2013



# Britax

- \* Max shoulder height indicator on seat cover



# Britax

- \* QR code on side of seat
- \* Forward Facing is green
- \* Rear Facing is blue



# Britax

Parkway 2013



# Britax



# Evenflo



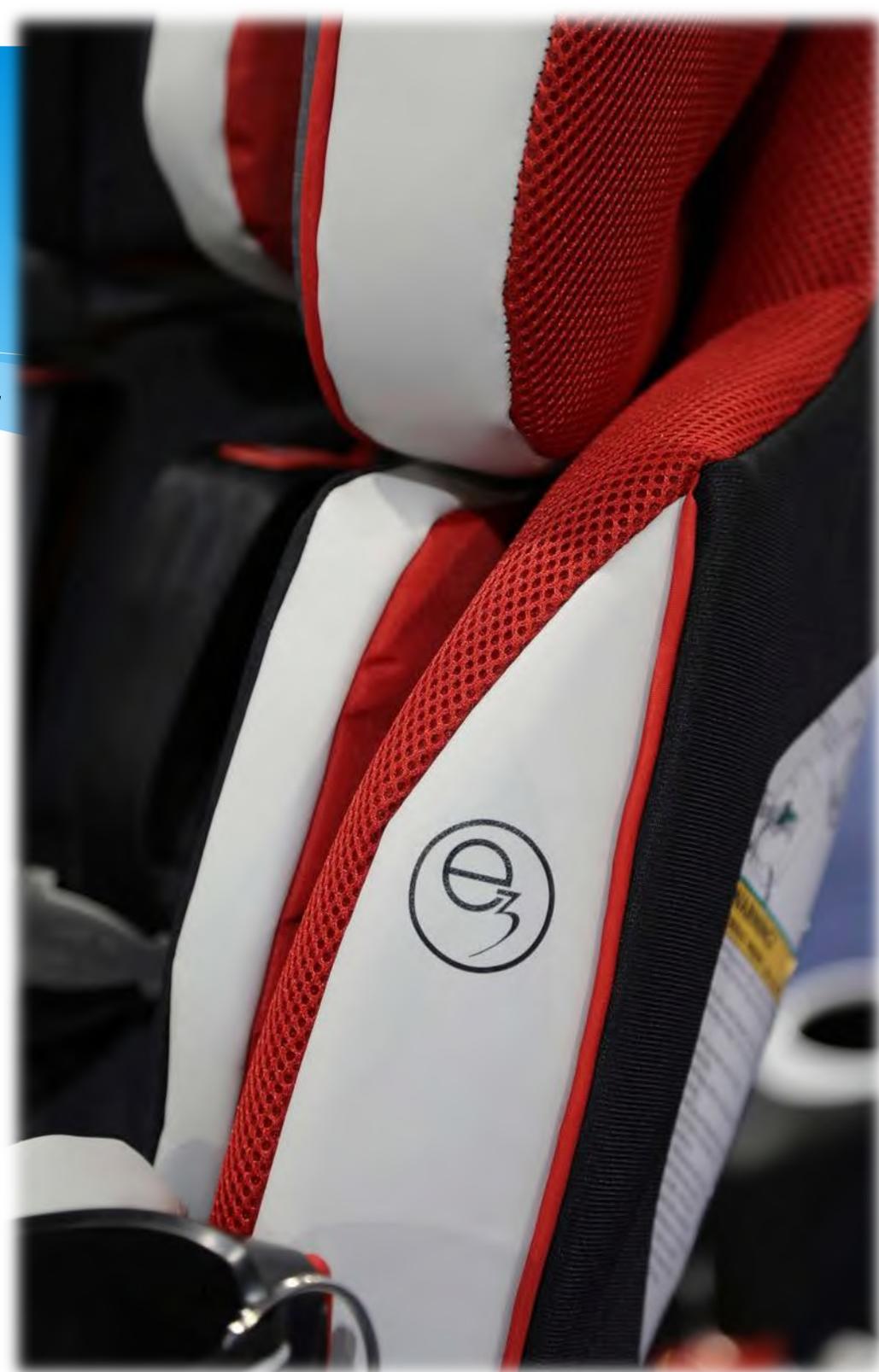
# Evenflo

- \* Symphony DLX due out end of January
- \* Infinite slide harness (red tabs)
- \* Cup holder
- \* E3 (Three layers of foam for energy absorption)
- \* Head insert redesigned for increased surface area
- \* 5-40 lbs Rear Facing
- \* 22-65 lbs Forward Facing
- \* 40-110 lbs BPB



# Evenflo

E3 (Three layers of foam for energy absorption)



# Evenflo

Infinite slide  
harness  
(red tabs)



# Evenflo Combo Seats

- \* Secure Kid DLX
  - \* 22 to 65 lbs w harness
  - \* 40 to 110 as BPB
  - \* \$149.00
  - \* Has e3 and uses Sure LATCH
- \* Secure Kids LX
  - \* \$129.00
  - \* Uses mini connectors



# Evenflo Combo Seats

- \* Maestro
  - \* 22- 50 lbs with harness
  - \* 40 to 110 lbs booster seat
  - \* \$79.99
- \* Chase
  - \* 22-40 lbs with harness
  - \* 40 to 110 lbs BPB
  - \* \$64.00 @ Walmart

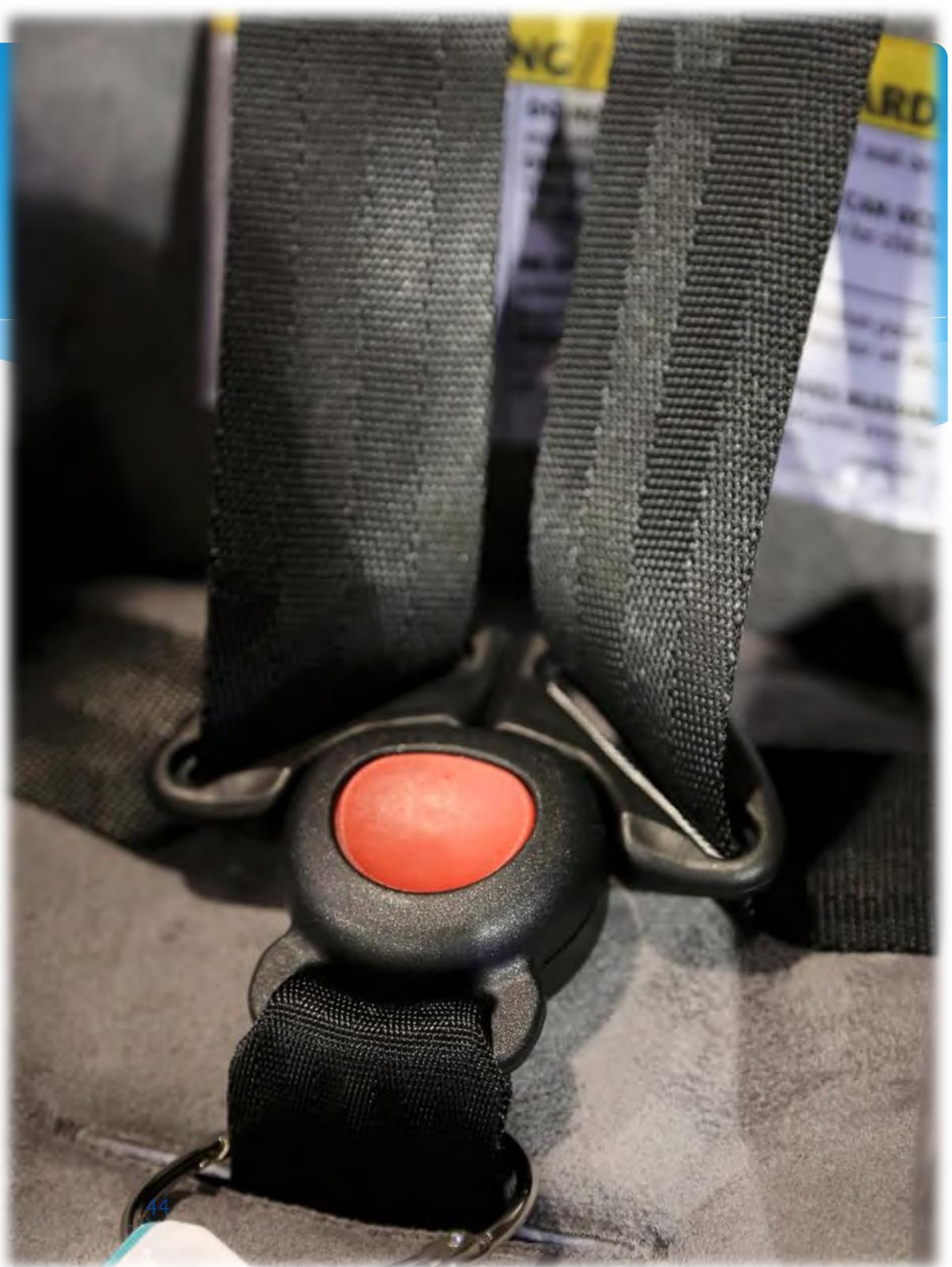
# Evenflo Seats

- \* Triumph has added cup holders too and has bigger headrest, with a front release to loosen harness now. The lower insert gets removed when FF



# Evenflo Seats

QT buckle  
replaced with  
IMMI buckle for  
all Evenflo



# Evenflo Boosters

Big Kid Amp \$39.00

- \* 30 to 110 lbs with back
- \* 40 to 110 lbs without back
- \* Institutional Version now ships fully assembled (CHECK MSRP)

Big Kid LX \$59

- \* LED Lights
- \* Cup holders
- \* Better cushion

# Evenflo Boosters

Big Kid DLX \$79.00

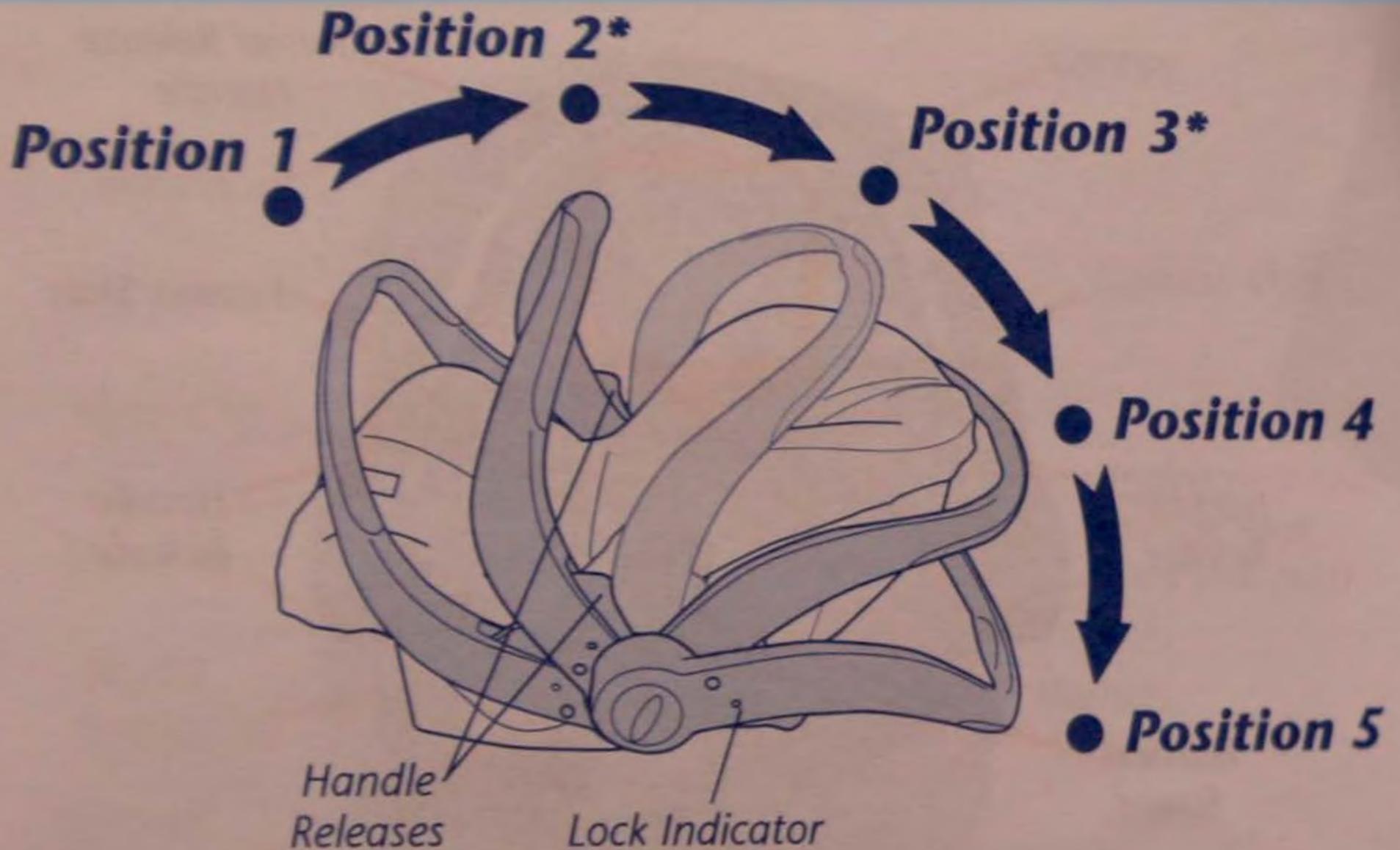
- \* LED Lights
- \* Cup holders
- \* Better cushion
- \* Speakers



# Evenflo Rear Facing Only

- \* Nurture – 5 to 22lbs replacing Discovery
- \* Shipping now \$60.00
- \* Carry handle can be all the way forward but NOT straight up





**\*IMPORTANT: NEVER** use **Positions 2** or **3** when traveling in a vehicle.

# Evenflo Rear Facing Only

- \* Embrace – 4 to 35 lbs (1.5" rule)
  - \* Adjustable foot on base
  - \* Improved handles
  - \* Weighs 7.5 lbs without base



- that accompany your vehicle and
- According to accident statistics, children are safer when properly restrained in a rear seating position than in a front seating position. Generally the center rear is safest and should be used if available. Children 12 and under should ride in the back seat of the vehicle.
  - If you are unable to use the center rear seating position and have to install this child restraint directly behind a front vehicle seat, ensure that there is at least 38 mm (1.5 inches) of space between any part of the child restraint and the vehicle seat that is closest to the child's head. This space may be necessary for the child restraint to properly perform in certain types of crashes.
  - **ONLY** use this child restraint on forward-facing vehicle seats. **DO NOT** use on vehicle seats which face the rear or side.

# Bubble Gum



# NUNA Pipa

4 lbs to 32 lbs.  
32" max height

2 crotch strap  
locations that can  
be adjusted to 3  
different lengths

3 shoulder harness  
strap locations

infant insert with  
low weight pillow,  
both included with  
the seat

ridged lower  
anchors

stability leg

- \* Dream drape provides extra protection from the elements attaching with hidden magnets and tucks away in its secret compartment
- \* Oeko-Tex fabric healthier for baby
- \* 5 point harness
- \* Side impact protection
- \* Ultra lightweight seat (7.7 lbs.)
- \* Lightweight aluminum handle
- \* Can be installed with vehicles seat belt (US and EU routing) - no base needed
- \* Aircraft certified



# true lock<sup>TM</sup> security



- \* Simple, secure, one step install thanks to rigid lower attachments (LATCH)
- \* Indicators turn green when the base is properly connected to the car
- \* Keeps seat more intact during side impact
- \* Better contains baby's head movement during impact

**nuna**

# stability leg security

- \* Keeps seat more intact during a forward impact
  - \* 4 to 35 lbs and up to 30 inches
  - \* Reduces forward movement during a
  - \* forward impact by up to 90%\*
  - \* Decreases baby's head injury values up to 33%\*
- indicators turn green when the stability leg is properly connected to the car

\*based on USA FMVSS 213 testing



## Question:

Can the seat base be installed without the leg if one is present?

**YES.** Though there are significant benefits to using the stability leg there may be times when it is not practical or desirable to use it.

When this is the case, it is fully acceptable to install the base without the stability leg. (Refer to owner's manual)

These seats have been tested according to Federal Motor Vehicle Safety Standard (FMVSS) 213 and meet or exceed ALL standards with or without the stability leg.



# Regal Lager / CYBEX

Still selling Aton / Aton2

Aton Q –Available April 2014

The Q AWARDED JPMA  
INNOVATION AWARD 2013

(No Pictures Allowed)

LSP = Linear Side Protection  
on Aton Q moved from handle  
to shell







LSP - Aton 2 Linear Side Protection Shown

Load leg on Aton2

# Sirona Seat (from German Website)



# Peg Perego

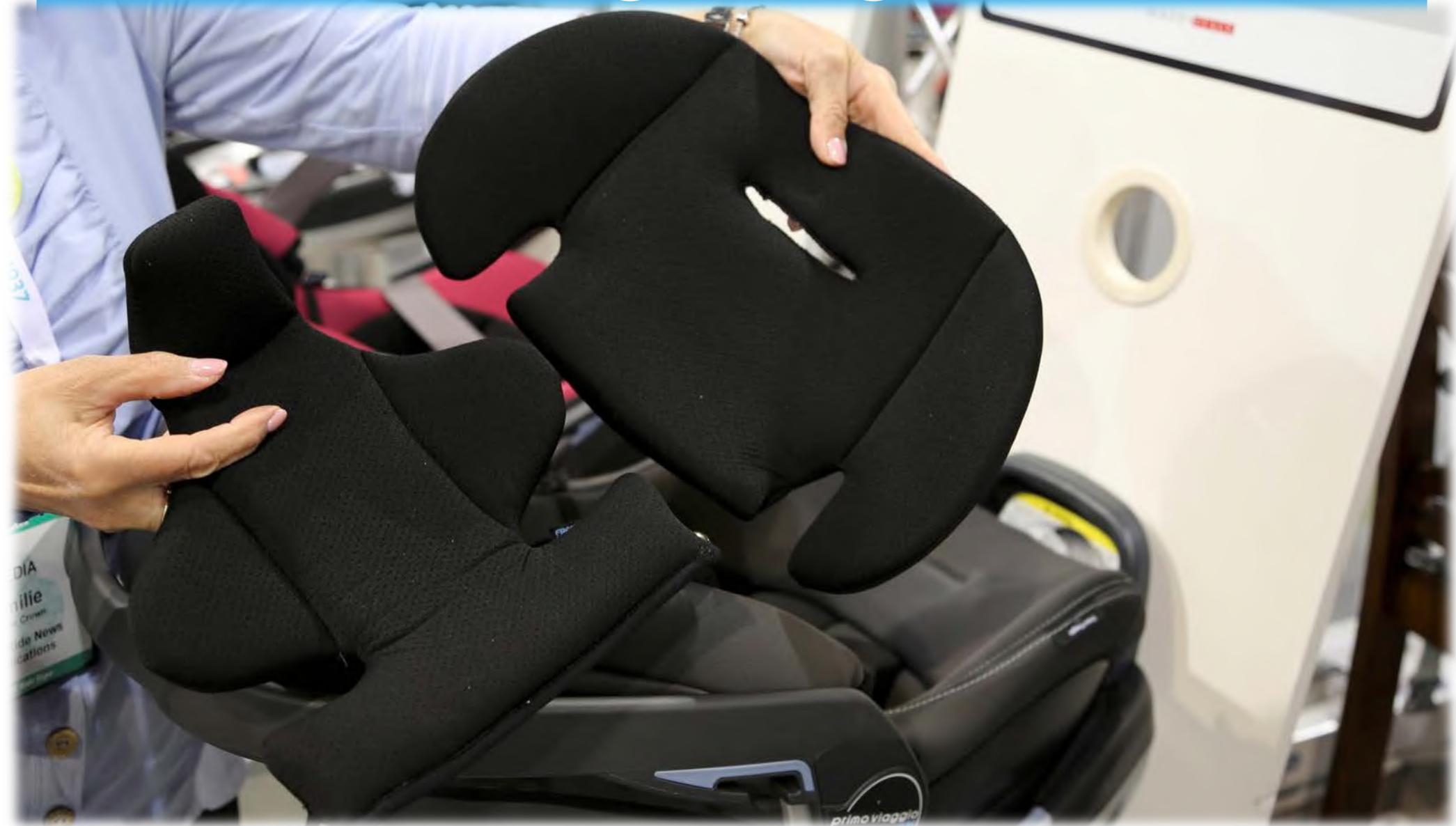
- \* Around April 2014: Primo Viaggio 4.35
  - \* 4 to 35 lbs and up to 30 inches
  - \* Six adjustments on back
  - \* Instruction manual on back of seat
  - \* Belt routing is on the handle
  - \* Handle in forward position with carrier only
  - \* Shell light weight and full of holes (2.2 lbs lighter)
  - \* Rubber grips on bottom of seat
  - \* Integrated base rebound bar

# Peg Perego





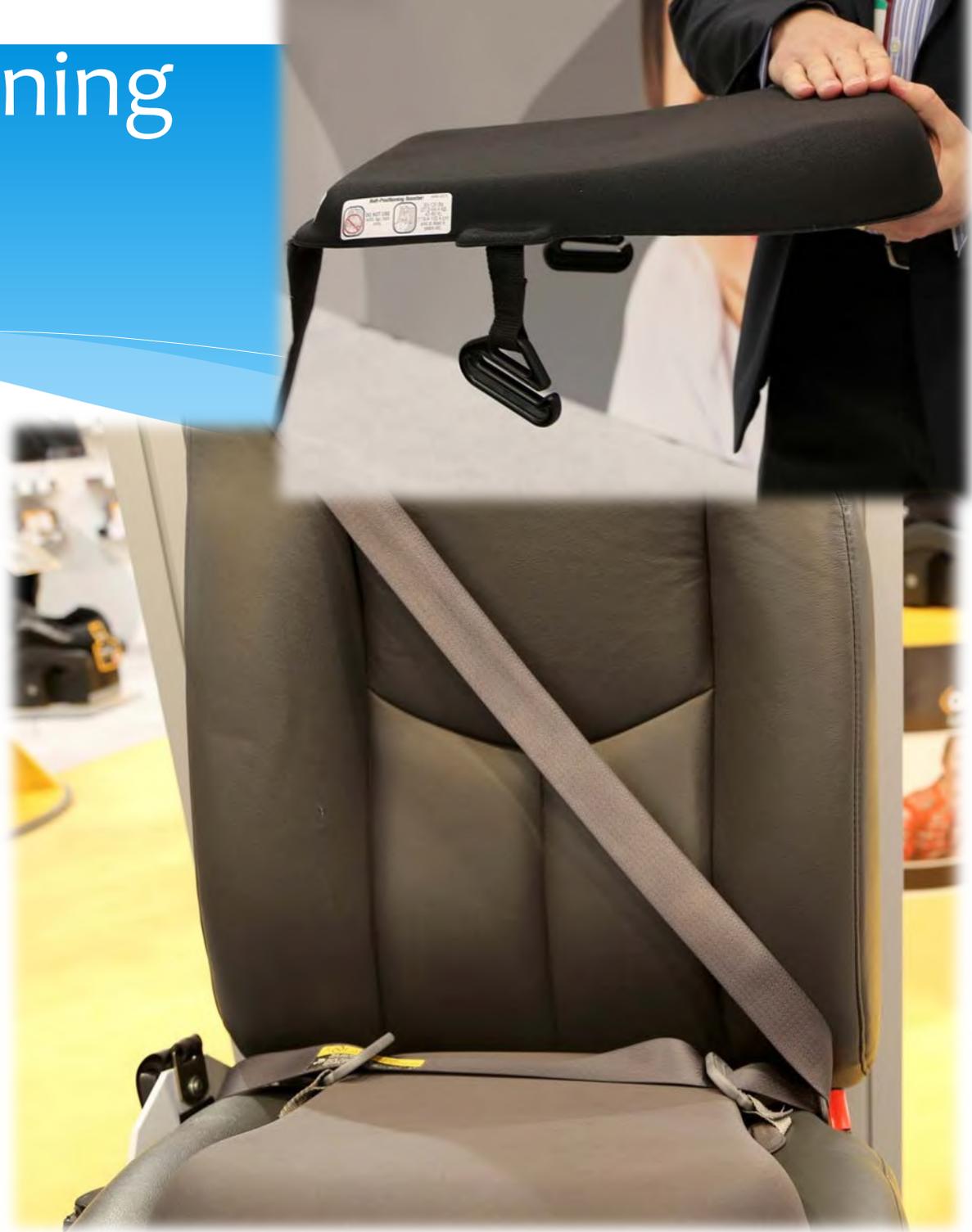
# Peg Perego





# Dorel Kid Positioning Seat

- \* Must be 47" and 60 lbs. to start using the new Incognito
- \* Black and light gray out now
- \* Dark gray and tan out by end of Nov 2013



# Dorel Store n Go

- \* 40 to 100 lbs. with or without back
- \* Shoulder adjuster needs to be attached
- \* Drawer holds 3 to 4 lbs.
- \* Arm rests need to be attached



# Dorel Store n Go

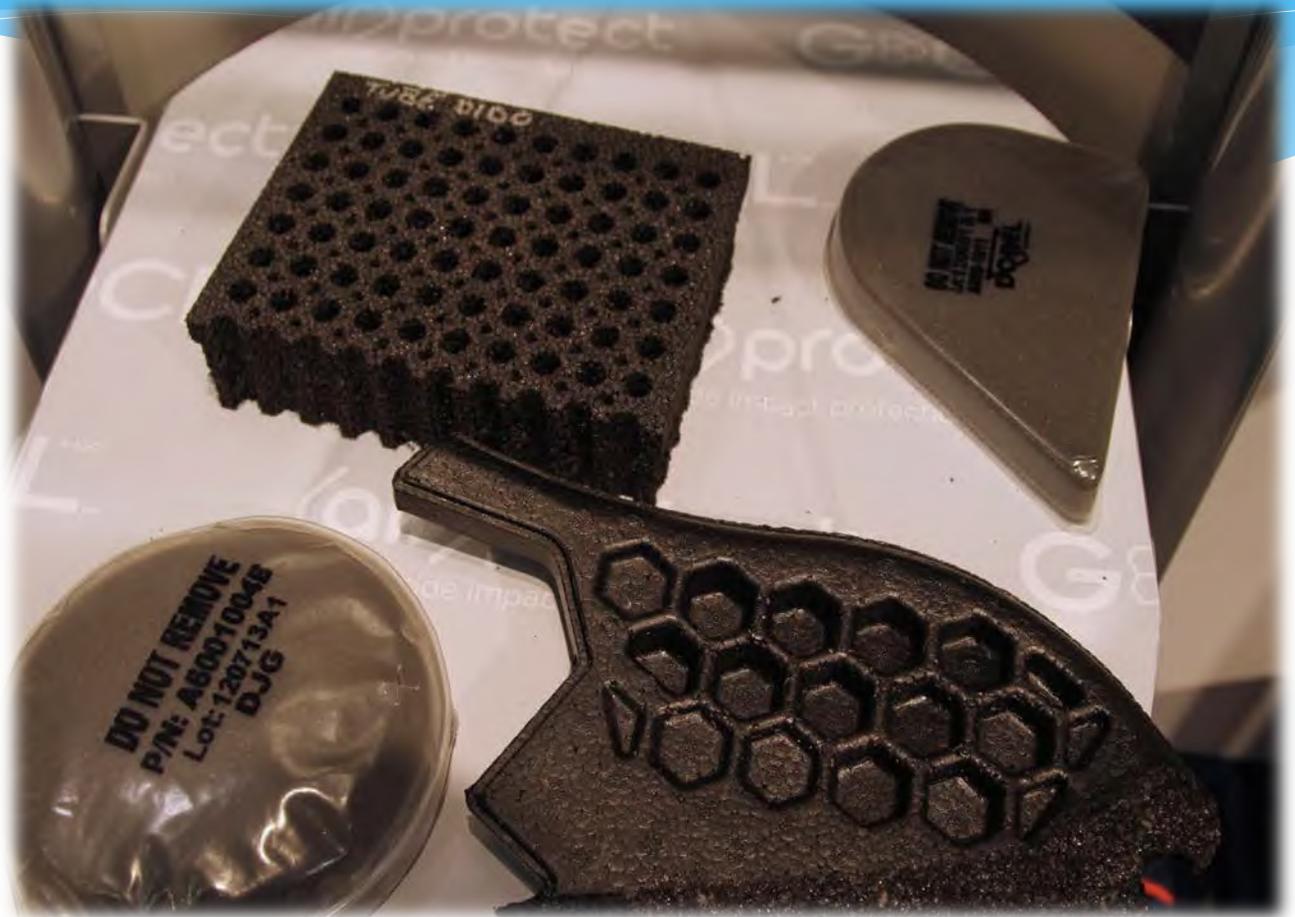
- \* 40 to 100 lbs. with or without back
- \* Shoulder adjuster needs to be attached
- \* Drawer holds 3 to 4 lbs.
- \* Arm rests need to be attached



# DOREL

## ***AIR Protect Plus***

- \* Air Protect came out 4 years ago (Side Cushions)
- \* Air Protect Plus will be supplemented with G Cell HX, a new foam



# Dorel Advance 70 SF



# Dorel Elite 80



# Dorel Lite & Comfy

- \* Shell is different
- \* Connections have changed to base
- \* Basic \$54.00
- \* \$64.00 with head pillows
- \* \$74.00 with adjustable base
- \* Stroller plungers do lock into place
- \* Phasing in during 2014



# Recaro Performance Booster

- \* 30 to 120 lbs
- \* 37 to 61 inches
- \* Now available
- \* MSRP \$149.99
- \* Wider & longer arms
- \* Dishwasher proof cup holders
- \* Red fabric not plastic for seat belt guides
- \* Lower anchors
- \* Luxurious Temperature Balancing fabric
- \* Side impact foam air cushion to protect occupant sitting next to seat



# Recaro Performance Booster



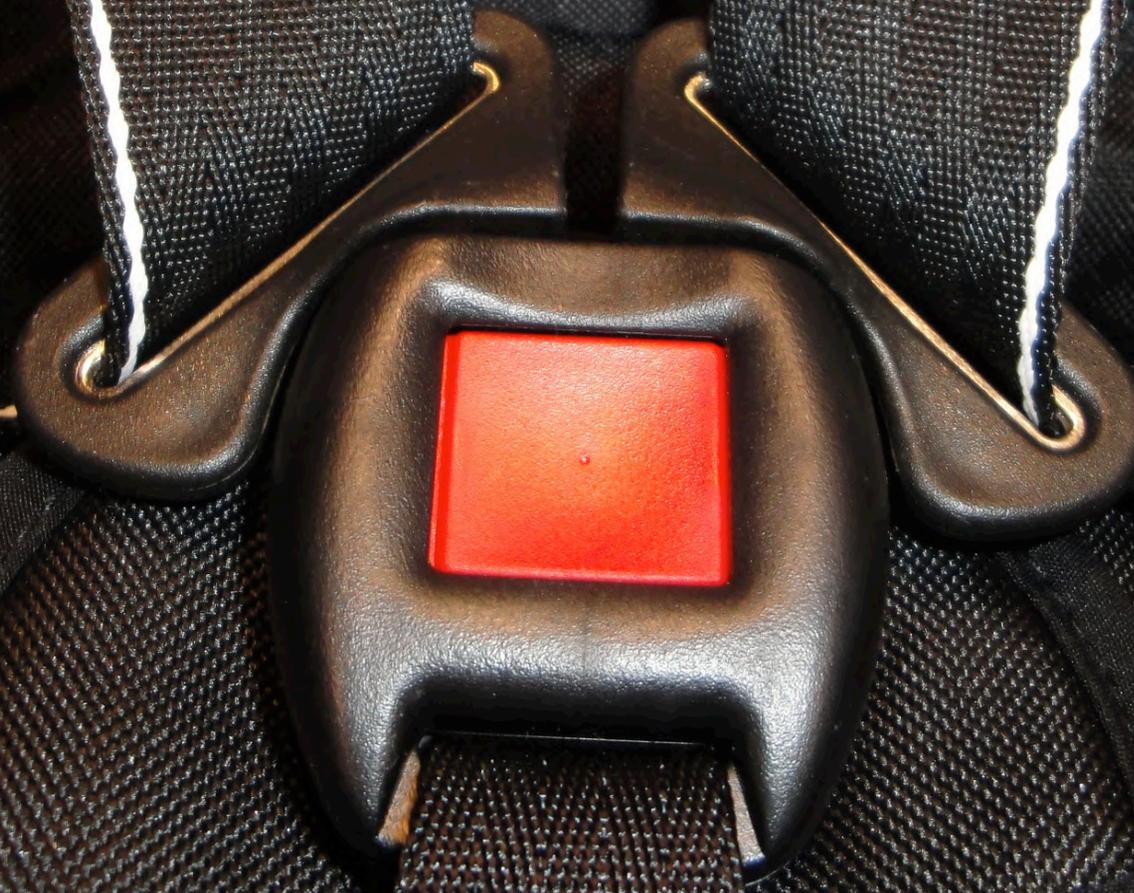
Dishwasher safe cup holder and side impact pad

# Recaro



# Recaro

Safety Stripe System on Outer Edge of Harness  
Buckle Also Changed to Prevent Twisting



# DIONO

- \* R100, R120 & RXT

These convertible seats all convert to boosters

- \* R100

Rear Facing 5–40 lbs

Forward Facing 20-65 lbs

Booster Seat 50-100 lbs

- \* RXT and R120

Rear Facing: 5-45 lbs

Forward Facing: 20-80 lbs

Booster mode: 50-120lbs

# DIONO

- \* All Radians can now use the DIONO Angle Adjuster once child is able to sit up unassisted so seat takes up less front to back space in vehicle.
- \* Pad can be ordered from DIONO
- \* Seat installed same way with foot in bight of seat but pad fits under seat making it more upright.



# DIONO New Convertible Line

- \* Ranier
  - \* 5 to 50 lbs rear facing
  - \* 20 to 90 lbs forward facing
  - \* 50 to 120 lbs as BPB



# DIONO New Convertible Line

- \* Pacifica
  - \* 5 to 50 lbs rear facing
  - \* 20 to 90 lbs forward facing
  - \* 50 to 120 lbs as BPB



# DIONO New Convertible Line

- \* Olympia
  - \* 5 to 45 lbs rear facing
  - \* 20 to 70 lbs forward facing
  - \* 50 to 100 lbs as BPB



# DIONO Boosters

- \* Monterey & SantaFe still sold
- \* New Boosters (Available end 2013)
  - \* Cambria 40 to 120 lbs.
    - \* 6 position head rest
    - \* MSRP \$99.99
  - \* Solana Backless Booster 40 to 120 lbs.
    - \* Wide & Deep
    - \* MSRP \$39.99

# DIONO Cambria



# Little Tikes



# CHICCO

- \* NextFit –Convertible
  - \* 5 to 40lbs Rear Facing
  - \* 22 to 65lbs Forward Facing
  - \* SuperCinch Tech makes LATCH Tightening EASY
  - \* Gripper on Bottom & Cup Holder



# CHICCO



9 Different Recline Positions  
NO NOODLES NEEDED

# CHICCO



2 Position Chest Clip

# Next Fit next to KeyFit



# CHICCO NextFit

- \* SuperCinch Tech makes LATCH Tightening EASY
- \* Pull 1 on left Side
- \* Pull 2 on Right Side
- \* MUST be done in this ORDER!
- \* Pull 2 in DOWNWARD Direction



# Kids Embrace

Inspired Products Group, LLC



Kids

TEENAGE

Will Sta  
Seat V  
ir Budd

BEST

# Kids Embrace



# BABY TREND

- \* Hybrid seat goes from 22-50 lbs. forward-facing and up to 100 lbs. as a BPB.
- \* Also converts to a backless BPB and has cup holders to fit different drink sizes



# BABY TREND



# Clek



# Clek Updates

- \* Adjustable length crotch buckle belt
- \* Step by step instructions for installation on application for smart phones
- \* Anti-rebound bar easier to install/remove



# CLEK

- \* 14 to 50lbs Rear Facing AND able to sit unassisted
- \* Anti-rebound bar must be used rear facing
- \* 20 to 65lbs Forward
- \* REACT Safety System
  - \* Crumple Zone up to 40% Reduction in forces to child
- \* Rigid LATCH forward facing-flexible for rear facing



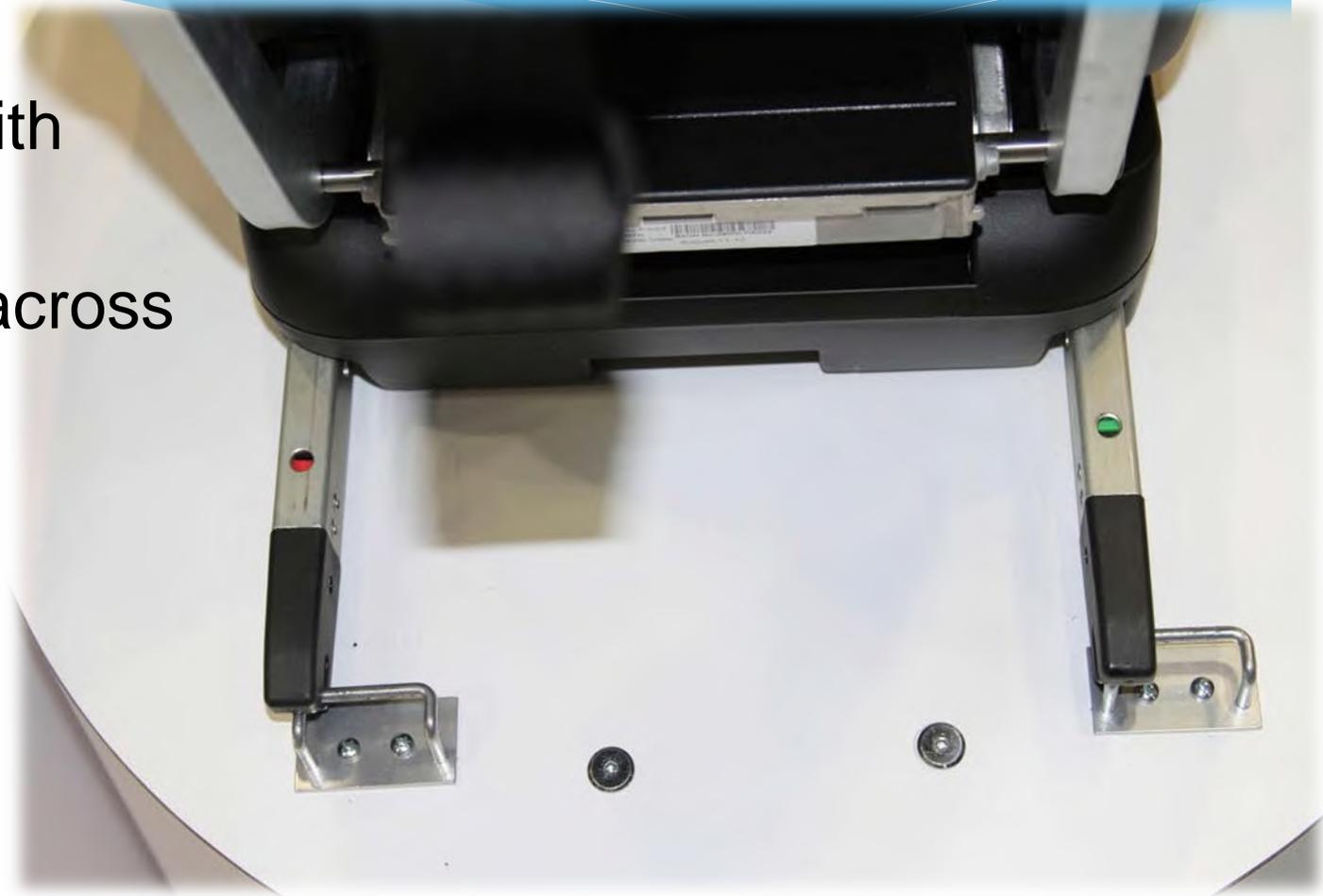
# Clek Foonf



# CLEK

## *foonf*

- \* Rigid LATCH with indicators
- \* Less than 17" across



# Questions?



1973



2013

*We've Come a  
Long Way Baby!*



1983

# Thank you!

# Questions

- \* Ask the manufacturer your questions! They are the best source for information.
- \* Today's presenters (not manufacturers!):
  - \* Emilie Crown:  
[emilie.crown@montgomerycountymd.gov](mailto:emilie.crown@montgomerycountymd.gov)
  - \* Bob Wall:  
[ubucklup@erols.com](mailto:ubucklup@erols.com)

# Thank you!

- **Please complete the survey following this webinar.**
- **CEU confirmation email will be sent in the next few hours.** Enter this CEU in your CPS online profile and keep the email for proof of attendance.
  - If you don't get it, check your spam folder. If it isn't there, send an email to [kchausmer@safekids.org](mailto:kchausmer@safekids.org).
- **CHES CECH also available. Enter your CHES ID in the evaluation.**