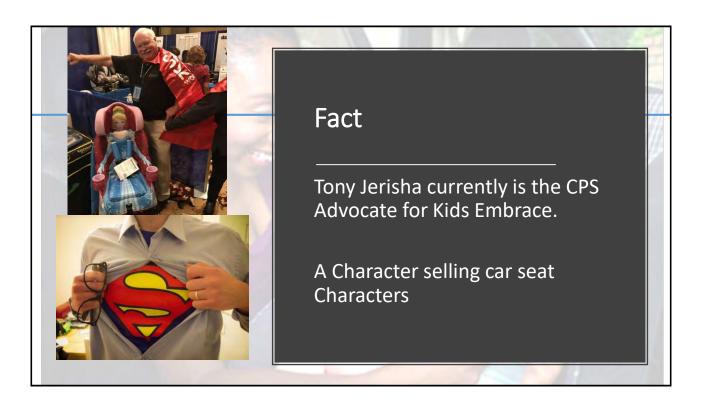


# **Objectives**

- Dispel inaccurate information
- Reinforce accurate information
- Provide resources that support best practice

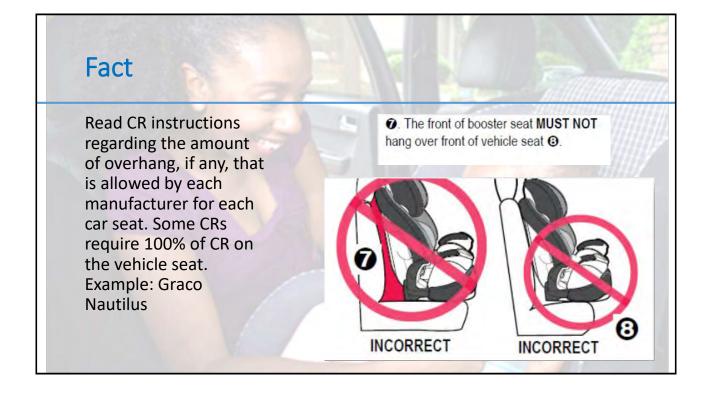
Its takes a character to sell a character.



It is acceptable to use any of the recent LATCH manuals from Safe Ride News to provide guidance to a family curbside.



The 80/20 Car seat overhang guideline does not always apply.



# **Fact**

- Booster mode will not allow any overhang – off the front or side.
- Some vehicle seats do not allow enough of the child seat base to contact the vehicle seat. If this is the case for a forward-facing installation, adjust the seat to the upright position.
- For a rear-facing installation, choose another seating position. Not doing so could cause the child seat to not perform as intended.
- Permissible for convertibles to allow up to 3 inches off front edge.
- Being phased in to all instructions or User Guides.

### ADVOCATE/BOULEVARD CLICKTIGHT User Guide

### Overhang

It is important that the base of the child seal rests completely flat on the vehicle seat with no side overhang. As seen in the illustration, it is permissible to allow up to 3 in. (7.6 cm) of the

base to hang over the front edge of the vehicle seat. If the vehicle seat does not allow enough of the child seat base to make contact, adjust the recline angle to a more upright position. Not doing so could cause the child seat to not perform as intended.



# **Fact or Fiction**

Car seat manufacturers have made efforts to increase tether usage to caregivers.





You can never use an aftermarket mat under your car seat unless it was made by the manufacturer of you car seat and specifically approved for use with that seat.



A wet seat can affect the performance of a front passenger seat sensing system for the air bag.

15

# **Fact**

In some of the newer vehicles, the occupant protections systems may be affected by a liquid that has soaked in to the seat which may result in turning off the passenger air bag. If this happens:

- Off indicator will be lit
- Air bag readiness light will also be lit

Liquid pooled on the seat that hasn't soaked in:

- May enable or turn on the passenger air bag while a CRS or child occupant is on the seat
- If the passenger air bag is turned on, the on indicator will be lit

# **Fact**

Source: 2015 Chevrolet Equinox owner's manual operates. We recommend that you not use seat covers or other aftermarket equipment except when approved by GM for your specific vehicle. See Adding Equipment to the Airbag-Equipped Vehicle on page 3-30 for more information about modifications that can affect how the system operates.

A wet seat can affect the performance of the passenger sensing system. Here is how:

- The passenger sensing system may turn off the passenger airbag when liquid is soaked into the seat. If this happens, the off indicator will be lit, and the airbag readiness light on the instrument panel will also be lit.
- Liquid pooled on the seat that has not soaked in may make it more likely that the passenger sensing system will turn on the passenger airbag while a child restraint or child occupant is on

the seat. If the passenger airbag is turned on, the on indicator will be lit.

If the passenger seat gets wet, dry the seat immediately. If the airbag readiness light is lit, do not install a child restraint or allow anyone to occupy the seat. See Airbag Readiness Light on page 5-11 for important safety information.

The on indicator may be lit if an object, such as a briefcase, handbag, grocery bag, laptop or other electronic device, is put on an unoccupied seat. If this is not desired remove the object from the seat.

### ⚠ Warning

Stowing of articles under the passenger seat or between the passenger seat cushion and seatback may interfere with the proper operation of the passenger sensing system.

17

# **Fact or Fiction**

All rear facing car seats can touch the front passenger seats in a vehicle.

# **Fiction**

Evenflo RFOs require 1.5 inches of space



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.

19

# **Fiction**

The MESA isn't allowed to contact the front passenger seats due to crash condition requirements.

Always read car seat instructions.

https://uppababy.com/faq/mesa/

The Manufacturers Alliance for Child Passenger Safety's (MACPS) researches issues that affect car seats and develops harmonized statements to help guide technicians.

21

# **Fact**



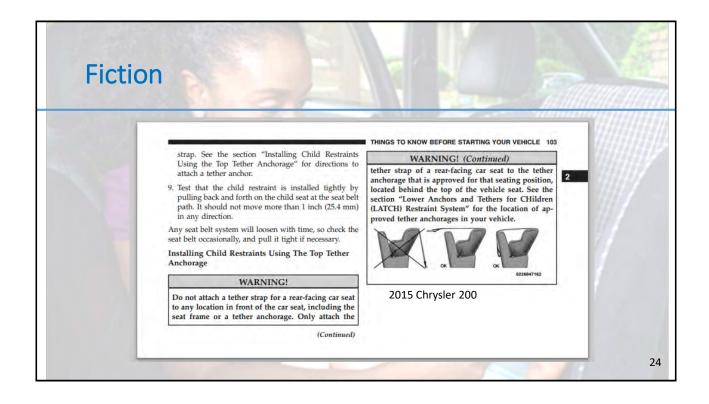
These statements may include information that is not always printed in the CRS owner's manual.

### **EXAMPLES**

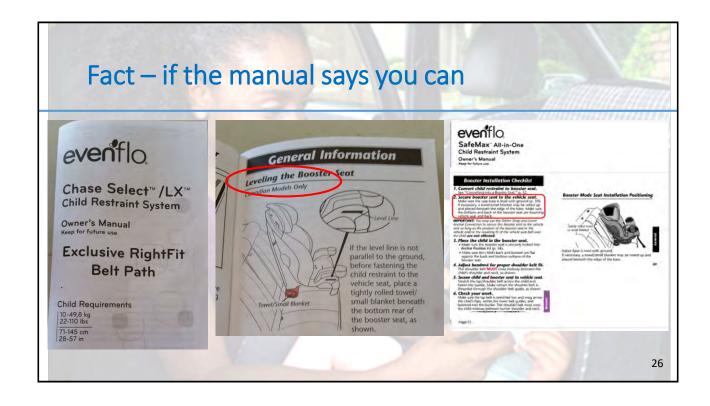
- Expiration Dates
- Accessories / Non-Regulated Products
- Recline Angle Indicators
- Switchable Retractor and Belt-Positioning Boosters
- Car Seats Gate-Checked or Checked as Luggage

MACPS at Safe Ride News

A rear face tether can be used in vehicles as long as it is attached to a non-movable structure.







A car seat installation should be so tight there is no movement when checked at the belt path.

# **Fiction**



Over-tightening a safety belt could damage the belt path of a car seat and/or its lock-off.\* Car seats should be installed according to the manufacturer's instructions. Proper tightness should be confirmed by grasping the car seat with one hand at or near the belt path and pulling on the car seat. There should be no more than one inch of side-to-side or front-to-back movement at the belt path.

(September 2010)
https://www.saferidenews.com/macps/harmonized/

There is a car seat that converts to a stroller.

29

# **Fact**

- Doona (Simple Parenting)
- RFO
  - 4 to 35 lbs.
  - 32 inches or less
  - Handle is anti-rebound bar
  - Base has lock offs

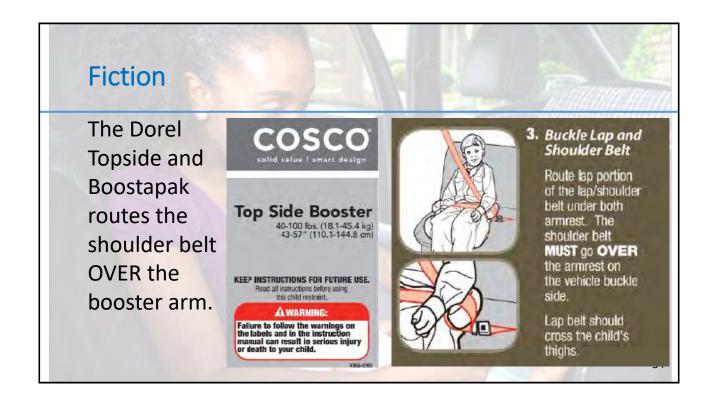








# Fact or Fiction Shoulder belts are always routed under the arm of a booster.



Car seats can be used fully reclined for kids to sleep (outside the car).

35

# **Fact**

- Cybex: Aton Cloud Q
- RFO
  - 4 to 35 lbs.
  - 30 inches or less
  - Converts to a full-recline position outside of the car.



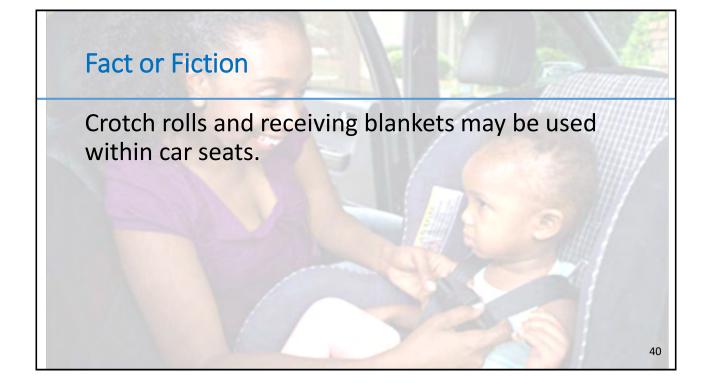


# **Kiddy Evolution Pro 2**

- Lie-flat function inside and outside the car
- 4 up to 22 lbs; Pro 2 XL 4-35 lbs.
- Newborn inlay used to 6 months
- Special insert for premature babies (accessory)
- European Belt Path



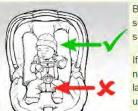




# Fact & Fiction

Though it is commonly acceptable, not always!

Tip: Visit manufacturer FAQs on their websites



BRITAX rear-facing only and convertible car seats provide positioning inserts with the car seat. As well, offer multiple crotch buckle positions to assist in properly positioning and securing the child in the harness system.

If the positioning insert provided with the BRITAX car seat does not position the child as needed, it is acceptable to place a rolled receiving blanket on each side of the child for lateral support – once the child is properly secured within the harness as instructed in the user guide. The rolled receiving blankets should not be placed between the child and the harness.

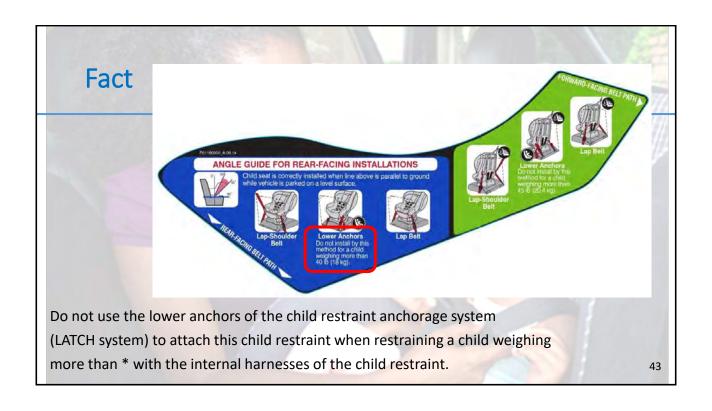
It is not acceptable to use a crotch roll with any BRITAX car seat to position a child.

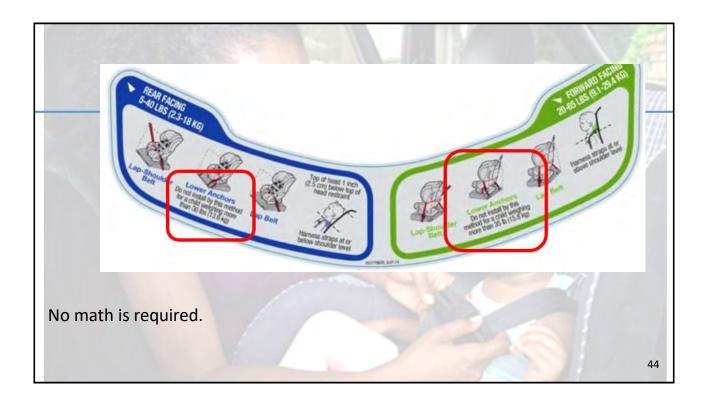
EX: Britax- https://us.britax.com/faqs/infant-car-seats/

41

# **Fact or Fiction**

A label is required for car seats with internal harnesses for which the combined weight of the car seat and the maximum recommended child weight exceeds 65 lbs.





Some car seats are approved for installation with inflatable seat belts.

45

# **Fact**

Check with the manufacturer. Sometimes it is approved, sometimes not.

February 17, 2016

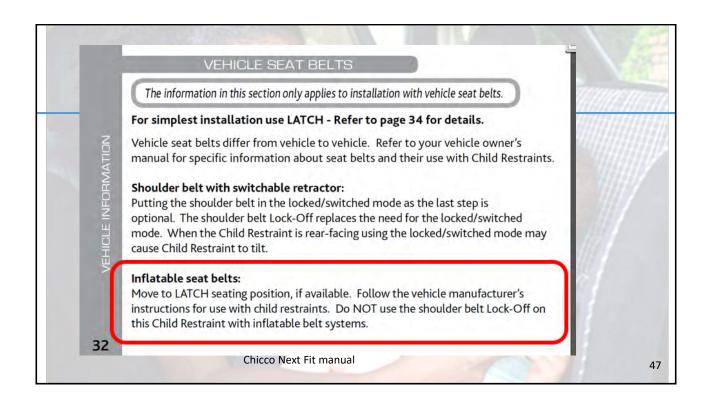
### Can I use an inflatable seat belt to install my Britax car seat?

Yes. Britax has revised its recommendations and based upon an analysis of vehicle seat belt system testing results, the current Ford Motor Company (Ford and Lincoln vehicles) Inflatable seat belt system is approved for use with all Britax car seats made to date EXCEPT B-Safe 35, B-Safe 35 Elite, Marathon ClickTight, Boulevard ClickTight, and Advocate ClickTight. Britax will continue to evaluate information provided by automobile inflatable seat belt manufacturers and may revise these recommendations as new data becomes available.

When installing an approved Britax car seat with a harness and a Ford or Lincoln inflatable seat belt, we recommend the following

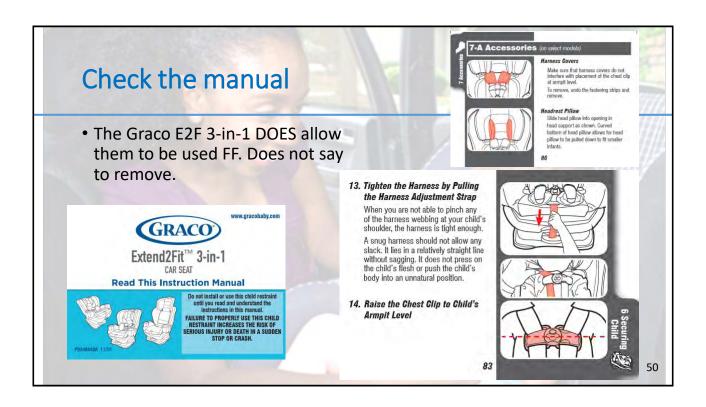
- B-Safe Infant Car Seat
- Chaperone Infant Car Seat
- Convertible Car Seats
- Harness-2-Booster Seats
- Belt-Positioning Booster Seats

https://us.britax.com/service-support/inflatable-seat-belt-policy/









Car crash deaths are on the rise.

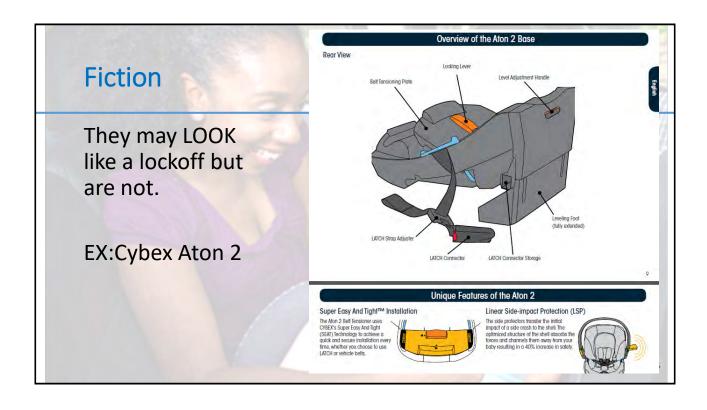
51

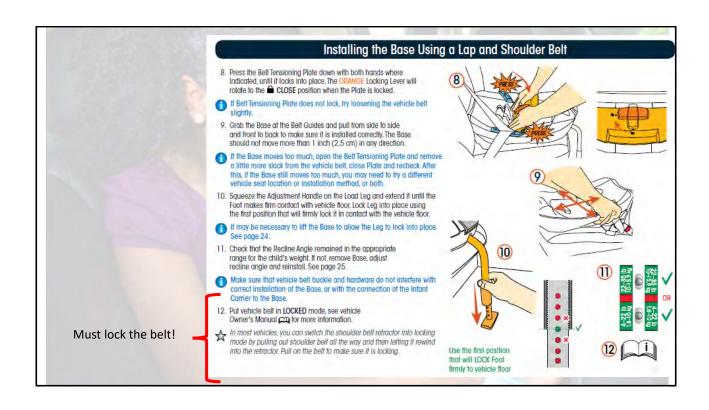
# **Fiction New Data Shows Falling**

nhtsagov Traffic deaths dropped by nearly 1,000 to 36,560 in 2018. A Fatalities among children (14 and younger) declined 10%. D While drunk driving fatalities accounted for 29% of deaths - it's the lowest percentage on record. A Pedestrian deaths increased to 6,283 — the highest since 1990. 857 bicyclists died, up more than 6% from 2017. \* There were 4,985 motorcycle fatalities, an almost 5% decrease. A There were 9,378 speedingrelated deaths, an almost 6% decrease from 2017.











Any tether connector strap may be used on any child restraint that permits rear-face tethering.

57

# **Fiction**

Use only the tether attachment/connector strap with a specific manufacturer and only with the models specified by the manufacturer.

Example: You cannot use a Diono tether connector strap on a BRITAX car seat.



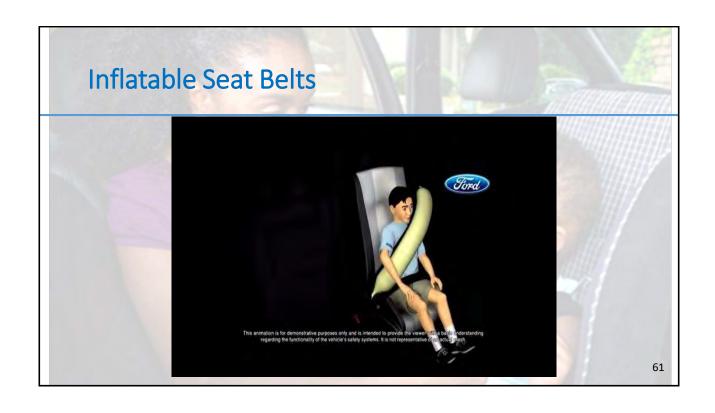
Ford is the only vehicle manufacturer with inflatable seat belts.

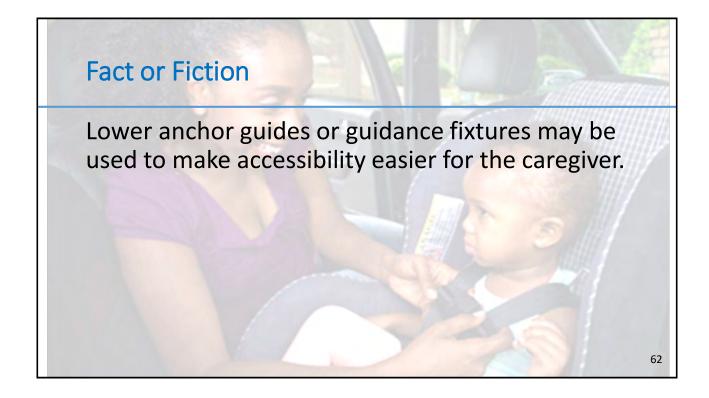
59

# **Fiction**

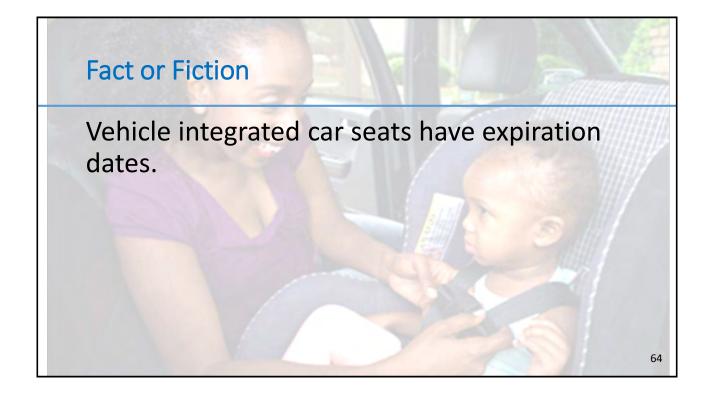
In addition to Ford, Mercedes-Benz has an inflatable belt that they call a "BeltBag".











# **Fiction**

Integrated car seats usually do not have an expiration date because the (integrated child restraints) are designed to be used for the life of the vehicle.

If an integrated child seat is occupied during a crash, it may need to be replaced. If a harness is frayed or damaged in some way, it should be replaced. Contact the vehicle manufacturer for more information.



65

# **Fact or Fiction**

Vehicles are required when working with an instructor or tech proxy for your seat checks required for recertification.

# **Fact**



Real vehicles are required when working with an instructor or tech proxy for your seat checks required for recertification.

At the discretion of the instructor or tech proxy, you can have a mock scenario, but actual vehicles are always required.

http://cert.safekids.org/i-am-atech/recertification/seat-checks

67

# **Fact or Fiction**

Don't use a lockoff if a button or folded webbing from a seat belt interferes in closing the lockoff.

# **Fact**



In the event a button or folded webbing interferes with a CR install, check the CR manufacturers' instructions first.

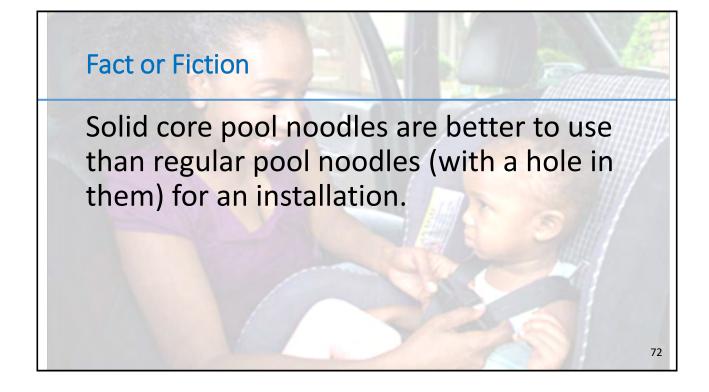


You may be able to bypass the lockoff, use a locking clip, switchable retractor, the locking latch plate, or use the lower anchors instead of the seat belt.

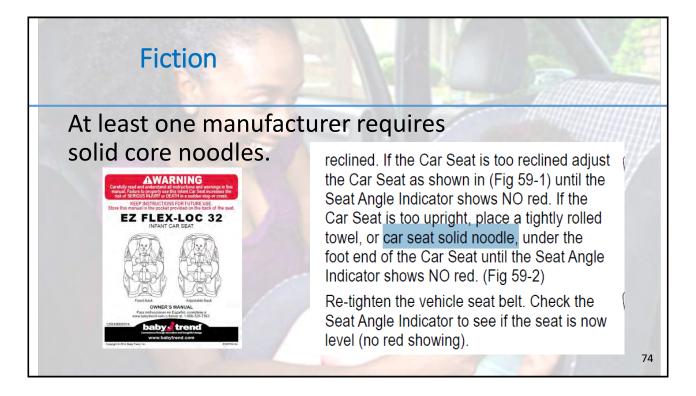
If none of these options work, try a different seating position in the vehicle. Most CR manufacturers will want the closed so it doesn't break, always consult the CR instructions first.











Shelf liner is a must at car seat inspections or events.



75

# **Fiction**

Avoid it.

You should be able to get a snug fit without shelf liner, even on the squishiest of seats.

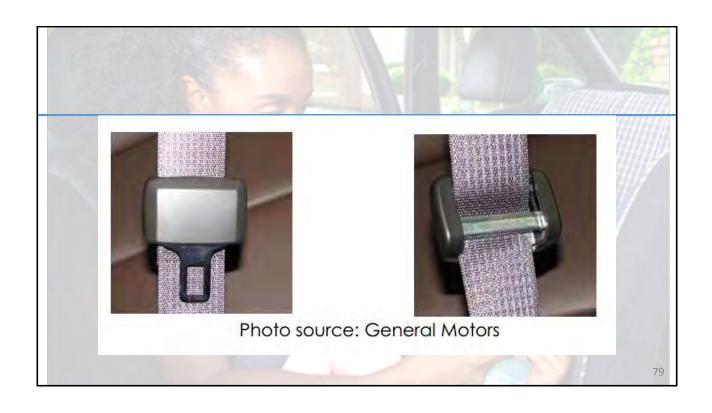
Shelf liner does not make the install any more snug.

The Dynamic Locking Latchplate provides lockability to secure a car seat.

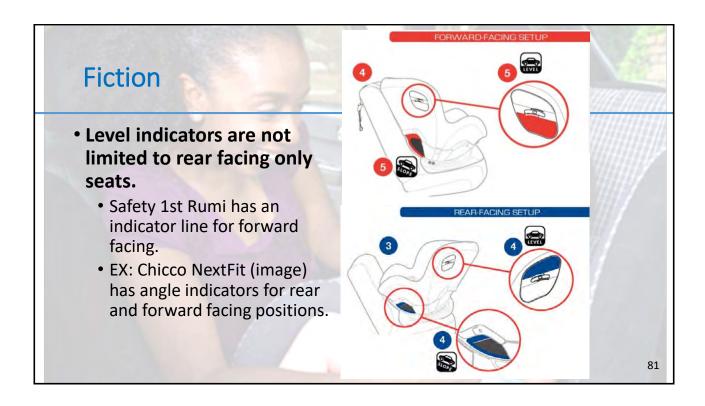
77

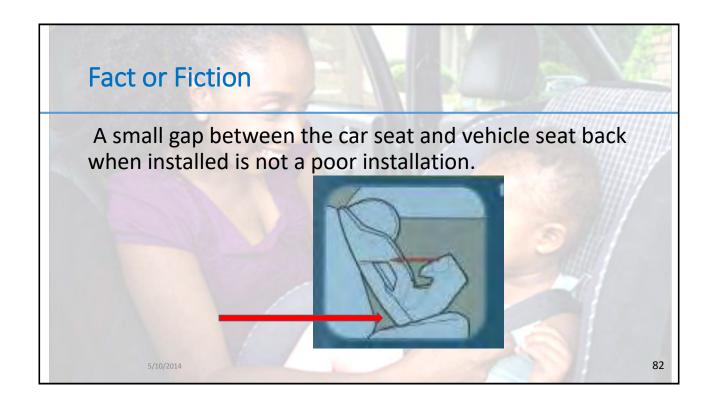
# **Fiction**

- There is a category of latchplate:
   Dynamic Locking
- They may look like traditional locking latchplates but they are not meant to secure car seats.



Level indicators are for assisting the caregiver to get the correct angle for rear facing car seats only.





# **Fact**

Car seat designs may in fact not fit snugly against the vehicle seat back. It may be an issue with the headrest or contour of the vehicle seat.

For example, Britax in their FAQ section says that with their Next Generation convertibles forward facing that a small gap between the car seat and vehicle seat back when installed is OK as long as it is a snug installation.

5/10/2014

83

# **Fact or Fiction**

You can always use a pool noodle or rolled towel when using an adjustable base of a rear-facing only seat.





Any federally approved vehicle equipped with a seat belt is able to secure a child restraint.

87

# **Fiction**

Always read the CR and vehicle manufacturer instructions.

• Low speed vehicles (like golf carts) are not approved by most CRS manufacturers.

**Warnings to Parents and Caregivers** 

# ▲ WARNING ▲ DEATH or SERIOUS INJURY can occur

- DO NOT leave loose objects (e.g. books, bags, etc.) in a vehicle. In the event of a sudden stop, loose objects will keep moving, potentially causing serious injuries
- DO NOT USE anything to raise this booster seat off the vehicle seat.
- NEVER USE the Booster Base without the Backrest attached.
- NEVER use this booster seat in the home, on aircraft, boats, low speed vehicles
   (ISA) all targets vehicles (ADA) and parts are appropriate.



# **MACPS Harmonized Statement**

### Car Seats and LSVs

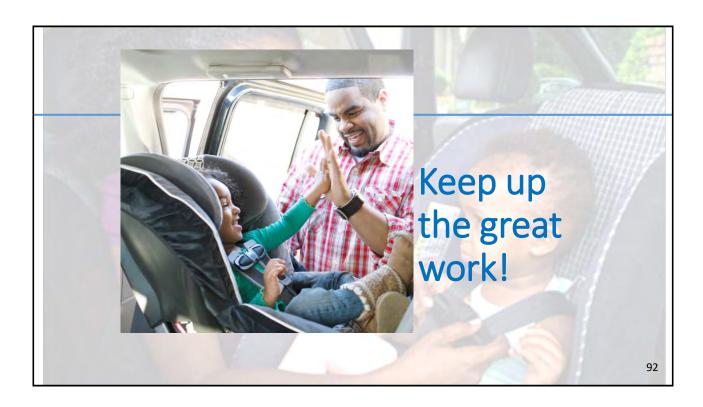
Car seats are designed for the FMVSS 213 bench and motor vehicle seats meeting the federal motor vehicle safety standard definitions of "passenger car" and "multipurpose passenger vehicle." In both these definitions, "low speed vehicle" is excluded. While low speed vehicles may meet some federal motor vehicle safety standards, they are not the same standards as passenger cars or multipurpose passenger vehicles, and therefore, car seats may not perform as designed when used in those vehicle types. It is not recommended to rely on car seats to protect children while travelling in low speed vehicles. Most car seat manufacturers prohibit use of car seats in low speed vehicles. Refer to the individual car seat manufacturers for more information.

(March 2011)

## **Fact or Fiction**

The instructor team pre-certification course meeting is required for instructors and instructor candidates.





# Thank You!

# Questions?

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