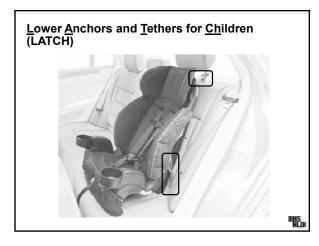
IIIHS Insurance Institute for Highway Safety Highway Loss Data Institute

A closer look at the IIHS LATCH ratings

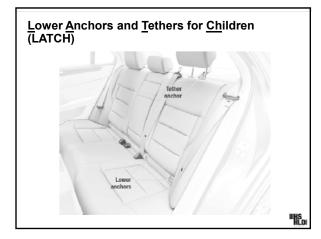
Lifesavers Conference Long Beach, CA April 5, 2016

Jessica S. Jermakian

iihs.org









Why focus on LATCH?

- LATCH is intended to make child restraint installations easier but ...
 About a third of child restraints installed in LATCH-equipped seats aren't installed with LATCH
- Many parents report that LATCH is difficult to use
- About half of forward-facing restraints installed without top tethers
- Parents who use LATCH are more likely to install child restraints correctly

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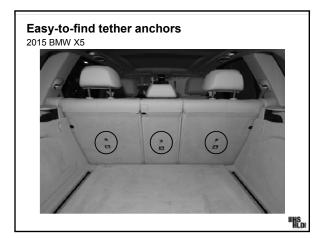


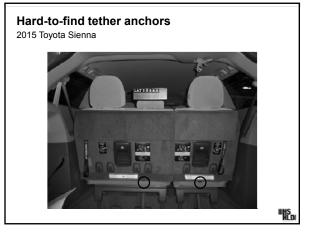
LATCH ease-of-use criteria

- Lower anchors must have
- Depth in seat bight less than 2 cm ($\frac{3}{4}$ inch)
- Attachment force less than 40 lbs (178 $\ensuremath{\mathsf{N}}\xspace)$
- Clearance angle greater than 54°
- Tether anchors must
- Be located in an easy-to-find location on the rear deck in sedans or middle of the seatback in other vehicle types
- Have no hardware that could be confused for a tether anchor or the tether anchor must be clearly labeled
- ► If the vehicle has a tether router, it must accommodate the tether router tool passing through

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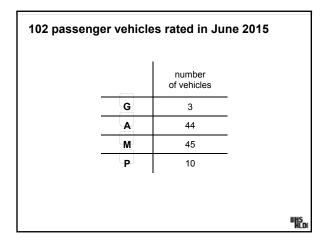
Top priorities for LATCH ratings

- → Hardware required by law should be easy for parents to use
 2 sets of lower anchors and 3 tether anchors for most vehicles
- LATCH hardware in additional seats and LATCH in the center rear position should be encouraged

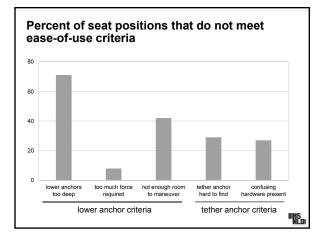
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Overall vehicle rating Based on LATCH hardware required by federal government		
G GOOD	vehicle meets all ease-of-use criteria for 2 LATCH positions in 2 nd row and 1 additional tether anchor	_
A	2 LATCH positions meet most of the criteria	
MARGINAL	at least 1 LATCH position meets only a couple criteria	
P	at least 1 LATCH position meets only 1 or none of the criteria	-
	1	

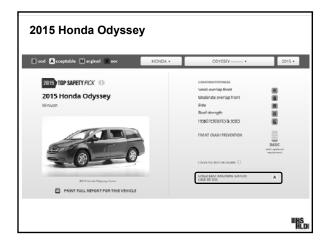




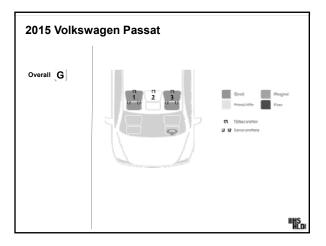




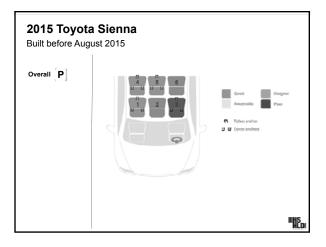




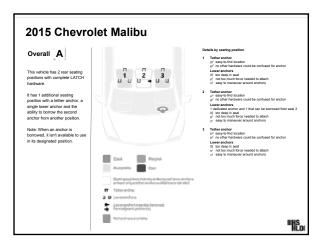














What parents and caregivers need to know about IIHS LATCH ratings

- Ratings indicate how easy it is for parents to get a good, tight installation using LATCH
- ➤ A good, tight child restraint installation is just as safe in a vehicle with a poor LATCH rating as one with a good rating
- Some LATCH seating positions might be easier to use than others −<u>www.iihs.org</u> provides information about which seats are equipped with LATCH and how easy the hardware is to use
- Good LATCH ratings mean a good, tight installation is more likely but don't guarantee it

Top priorities for LATCH ratings

- Hardware required by law should be easy for parents to use
- LATCH hardware in additional seats and LATCH in the center rear position should be encouraged

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Good+ rating

- ▶ 2-row vehicles
- Good rating <u>plus</u> acceptable LATCH available in second row center position, either by dedicated anchors or borrowing
- ▶ 3-row vehicles
- Good rating <u>plus</u> 1 additional acceptable LATCH position <u>plus</u> acceptable tether anchors in all rear seating positions <u>plus</u> ability to use LATCH in the second row center, if available.

Vehicles that go beyond minimum requirements

102 vehicles evaluated in June 2015

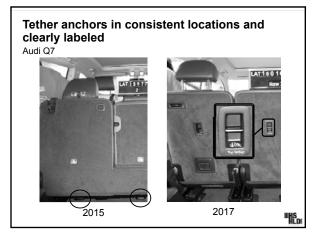
- ▶ Of 74 two-row vehicles evaluated...
- -23 allow use of LATCH in the center seat position
- $-\,5$ with one dedicated anchor, 2 with two dedicated anchors
- Of 28 three-row vehicles evaluated...
- $-\,9$ have the minimum hardware required
- 13 offer at least one additional full LATCH position
 7 have tether anchors in all rear seating positions

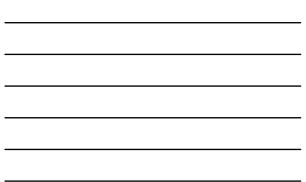
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Rolling out LATCH ratings

- Initial ratings of 102 vehicles released in June 2015
- ▶ Ratings after June 2015 are released to <u>www.iihs.org</u> with crashworthiness and crash avoidance ratings
- As automakers make changes, ratings are updated once vehicles are available at dealers

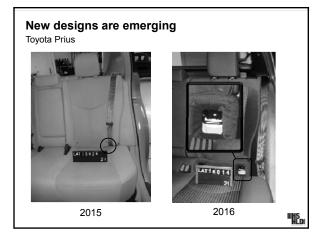
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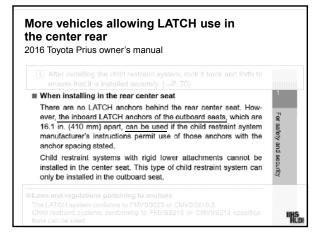














Watch for our ratings roundup in June 2016

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