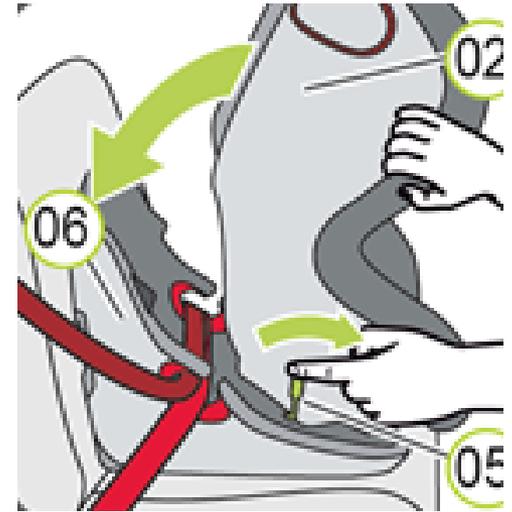
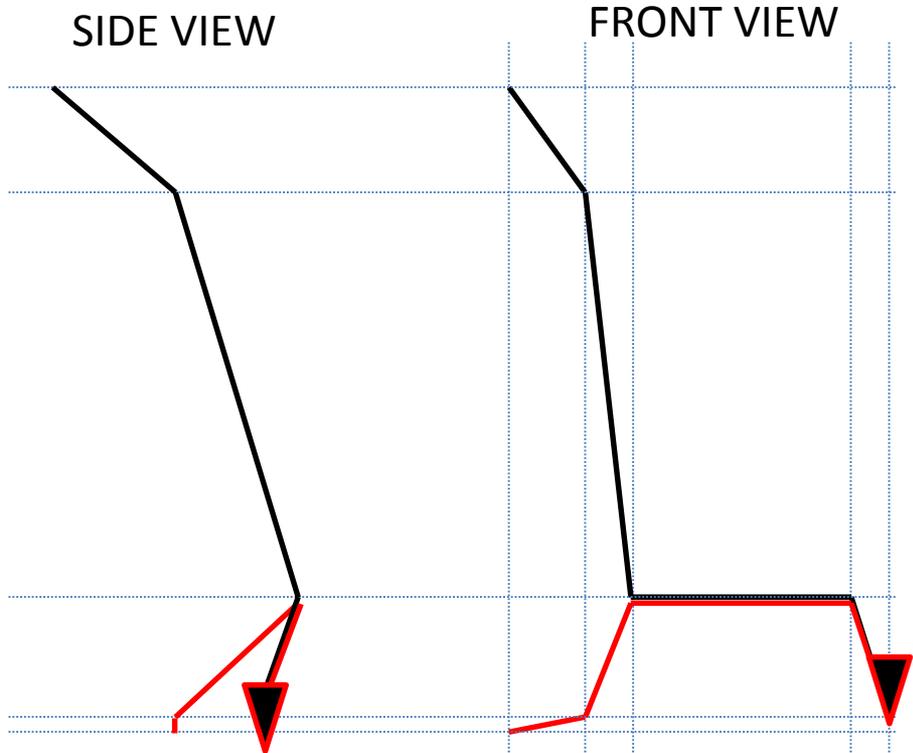


GRSP INFORMAL GROUP ON CRS PHASE III - 3rd WORKSHOP

Schemas of seatbelt routes and main results

Philippe LESIRE – April 2017

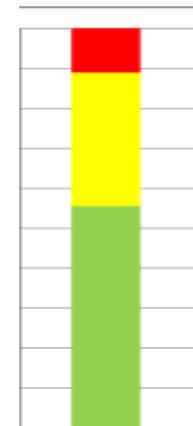
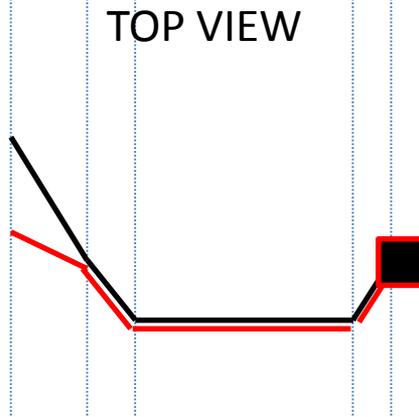


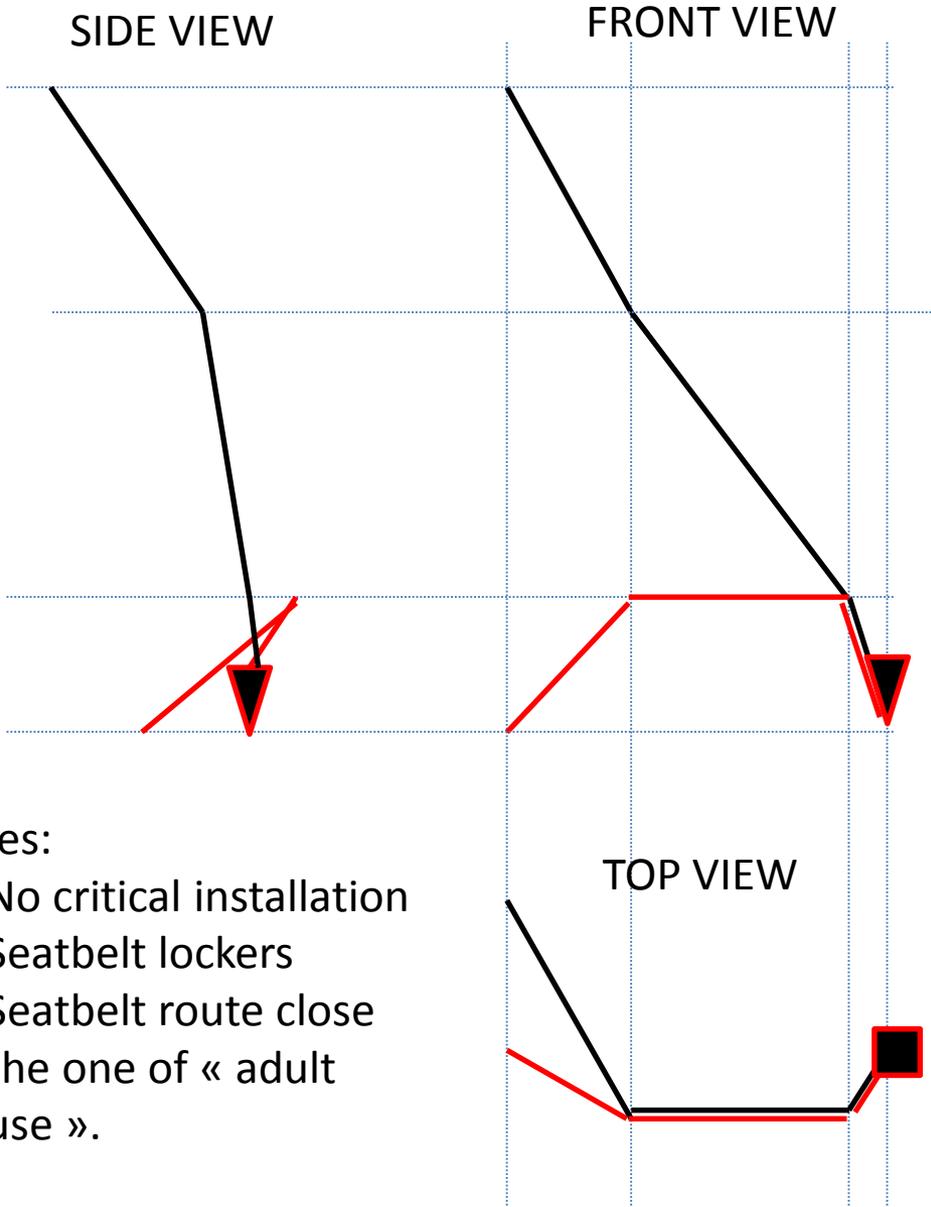
Ease of use: 4,4

Confidence installation: 4,6

Notes:

- Parents during the workshop « intuitive installation »
- Rocking shell
- Pretension of seatbelt when shell is pulled back.





Notes:

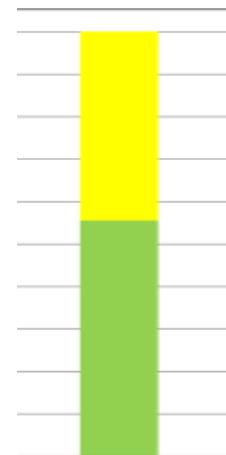
- No critical installation
- Seatbelt lockers
- Seatbelt route close the one of « adult use ».

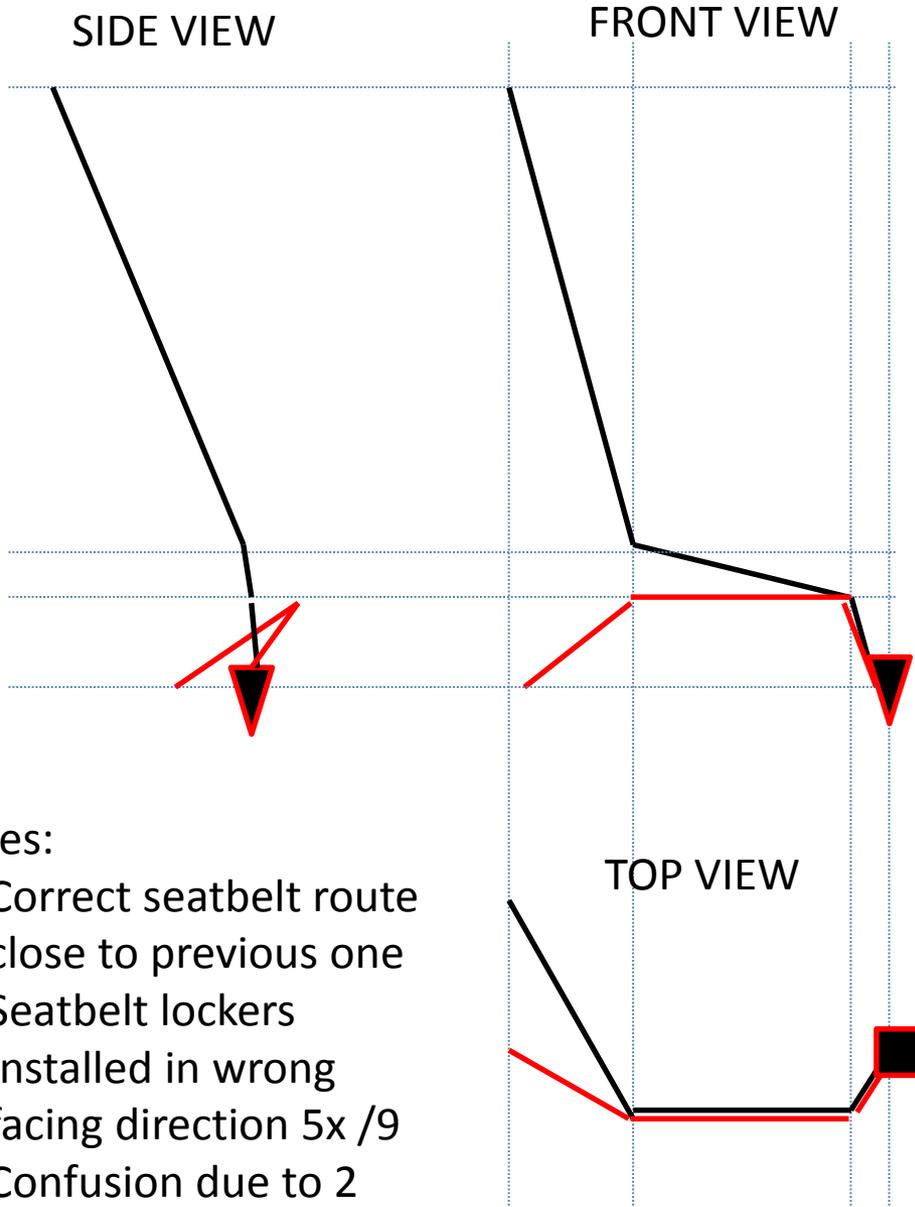
2



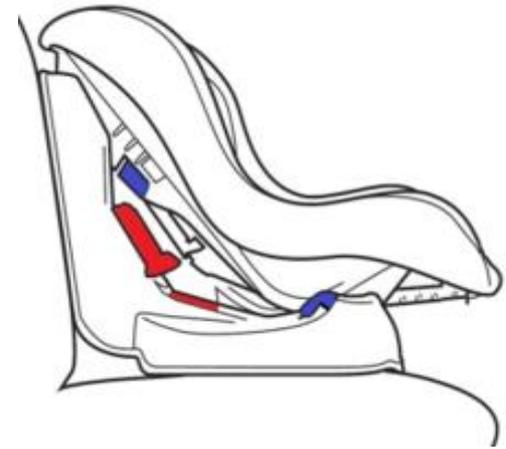
Ease of use: 3,7

Confidence installation: 3,7





3



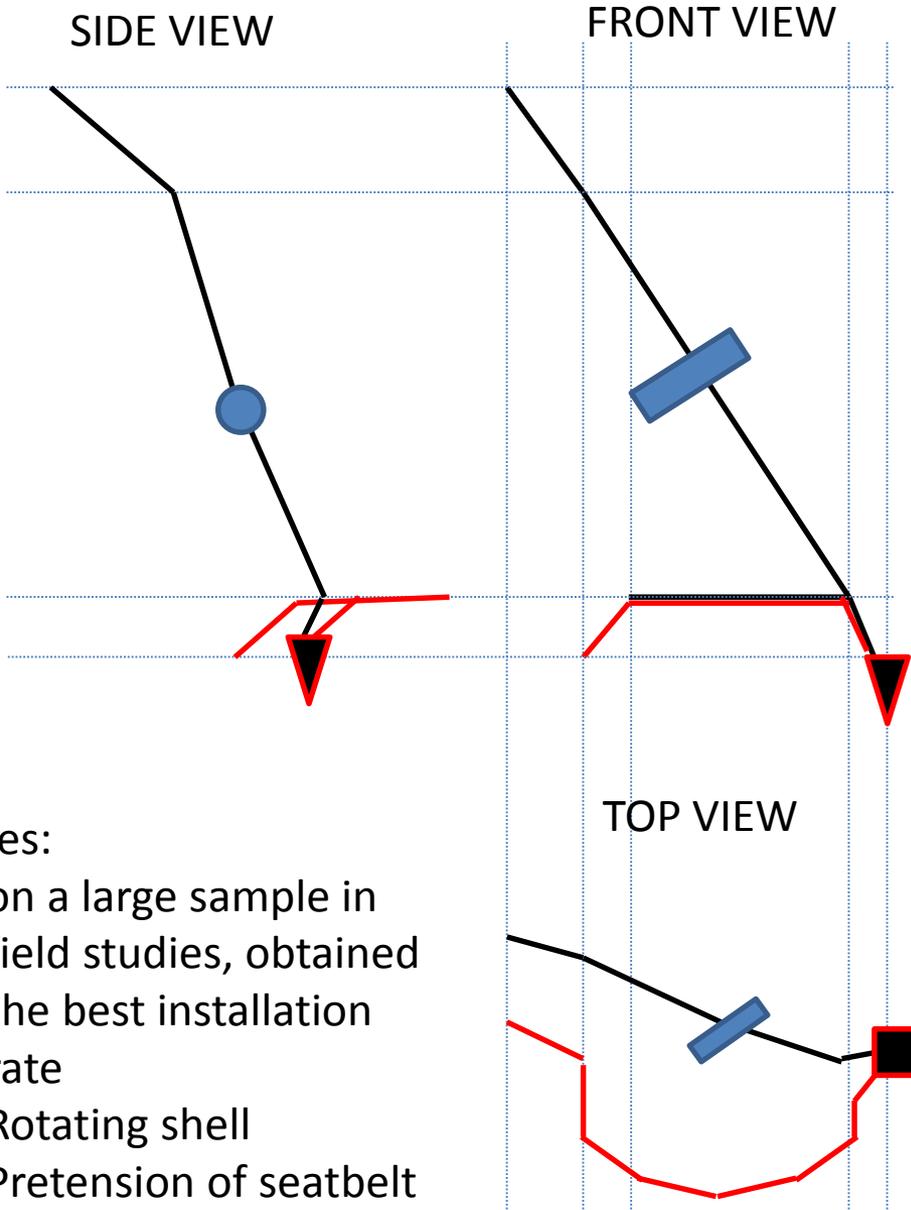
Ease of use: 1,9

Confidence installation: 1,6



Notes:

- Correct seatbelt route close to previous one
- Seatbelt lockers
- Installed in wrong facing direction 5x /9
- Confusion due to 2 seatbelt routes



Notes:

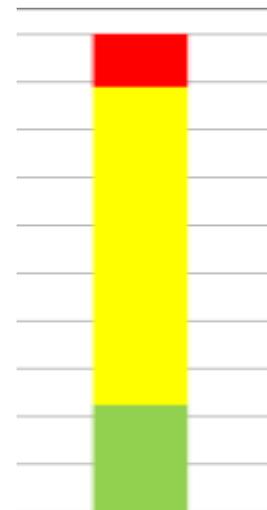
- on a large sample in field studies, obtained the best installation rate
- Rotating shell
- Pretension of seatbelt

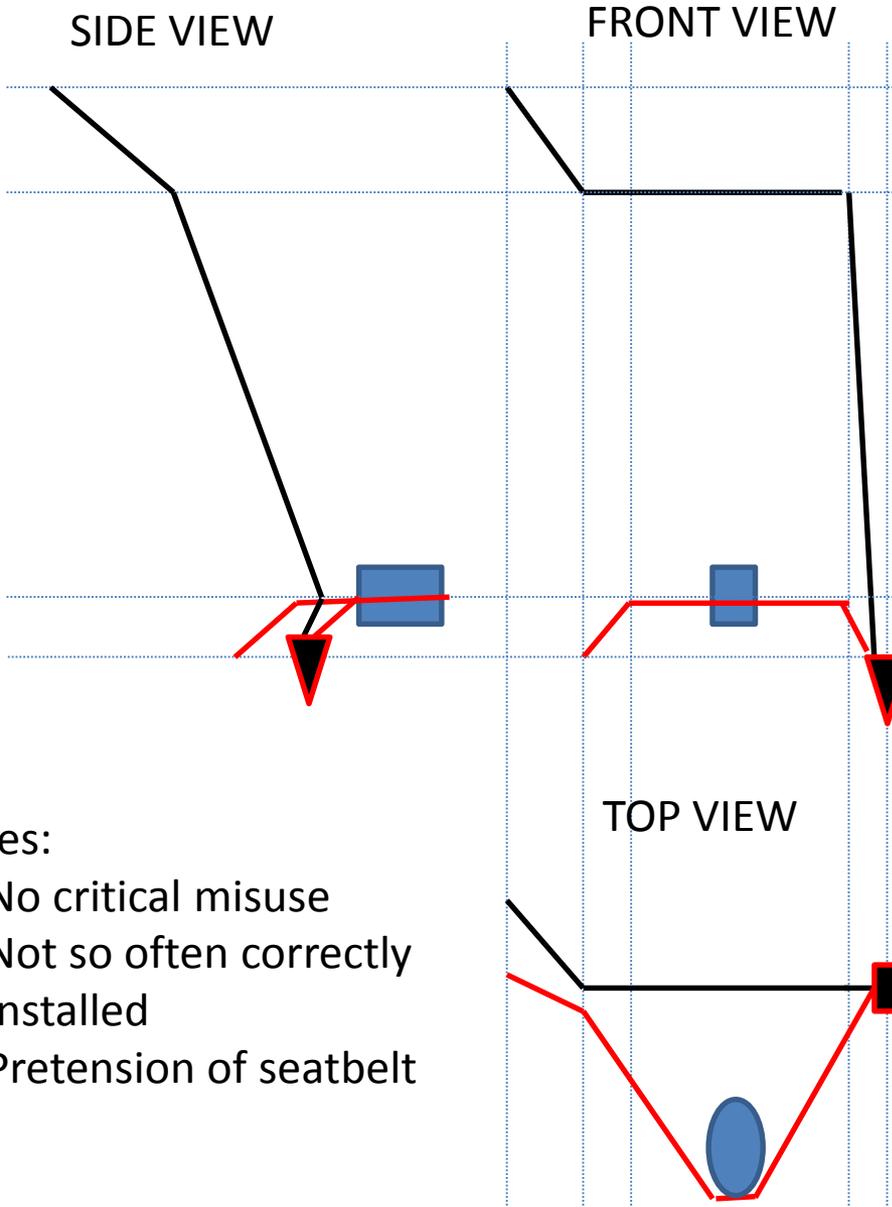
4



Ease of use: 2,4

Confidence installation: 3





Notes:

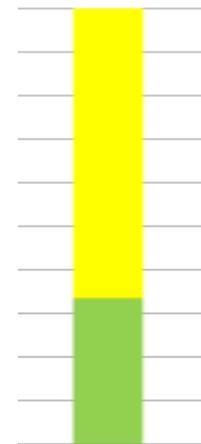
- No critical misuse
- Not so often correctly installed
- Pretension of seatbelt

5



Ease of use: 3,6

Confidence installation: 3,8



SIDE VIEW

FRONT VIEW



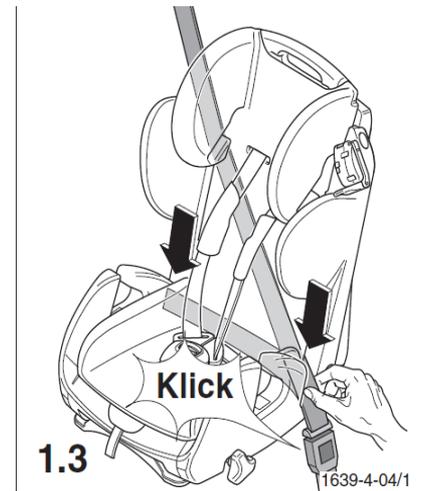
TOP VIEW



Notes:

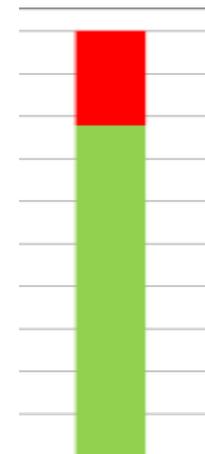
- Harness absent during exercise
- Best rate of correct installation
- Seatbelt lockers

6

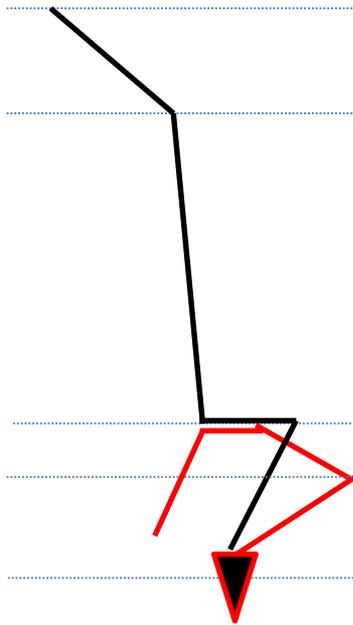


Ease of use: 3,8

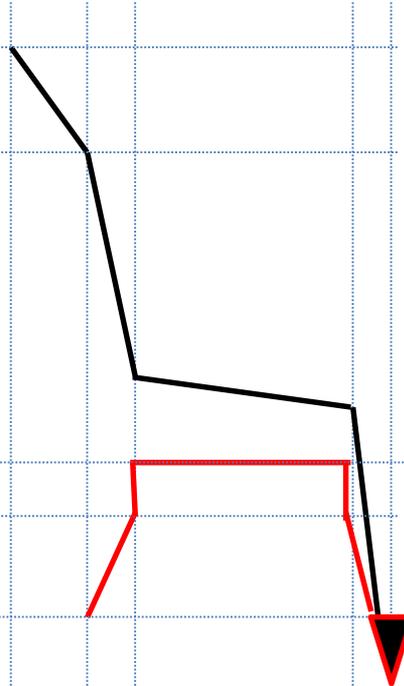
Confidence installation: 4



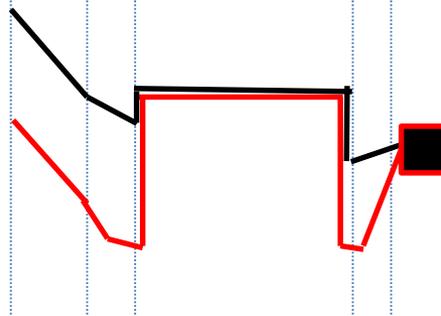
SIDE VIEW



FRONT VIEW



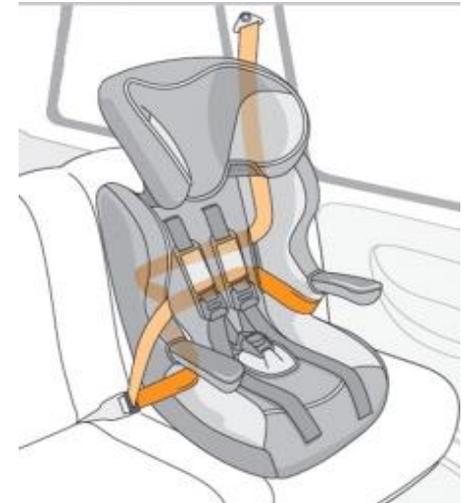
TOP VIEW



Notes:

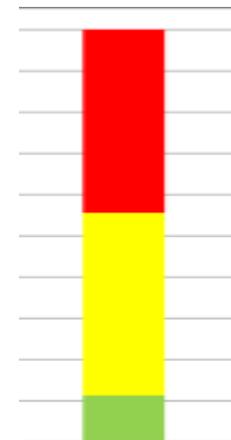
- Highest incorrect installation rate
- Lot of severe misuse
- Rated as worst system during workshop

7



Ease of use: 2

Confidence installation: 2,5



SUMMARY

1vs2vs3: seatbelt route not very far one from the other but n°3 has 2 possible seatbelt routes which is confusing users (too many routing devices).

4 and 5: seatbelt route really different from other systems but leading to few severe misuse: most of them are linked with CRS specificities (seatbelt pretensioner, ...)

6: seatbelt route close to the one of n°1 and 2, two possible seatbelt routes, not leading to confusion during the workshop (but observed in field studies)

7: seatbelt route difficult to understand and to properly reproduce.
Two possible seatbelt route, many severe misuse

Reflections from the participants:

- Mirror views of pictograms on / each side of the CRS would be helpful to improve the confidence in the installation.
- Places where the seatbelt have to go through should offer sufficient space for « normal hands »