


The Child Restraint System for Special Needs Carrot-III

# Instruction Manual

Read carefully all the instructions before use.



  
When not in use,  
store in the pocket  
on the back for  
future use.

SEEDS

Carrot-III“ Special Needs Restraint ” is designed to give extra support to children who have difficulty in sitting correctly in conventional seats. Always consult your doctor to make sure that this restraint system is suitable for your child, and read all the instructions in this manual before use.

Universal restrained system for children: Approval according the ECE R44/04 by the Kraftfahrtbundesamt (Number of approval: 44R – 04301283).

EU conformity declaration for medical products (according the adandom II, V, VI and VIII of the EU guideline concerning medical products 93/42/EWG).

We declare hereby that the car seat Carrot 3 conforms with the equivalent rules of the medical product and the guideline 93/42 EWG. The production of the Carrot 3 is controlled by a quality management according ISO 9100.

Sole importer in Europe:



RehaNorm Bingen GmbH  
Am Ockenheimer Graben 50

D-55411 Bingen

Phone: +49 6721 906-0

Fax: +49 6721 906-66

E-Mail: [information@rehanorm.de](mailto:information@rehanorm.de)

Internet: [www.rehanorm.de](http://www.rehanorm.de)

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## WARNING !

DEATH or SERIOUS INJURY can occur:

- Use only with children who weigh between 15 kg and 36 kg (Class II& III). It has been tested successfully outside the ECE R44/04 with a 10 kg dummy and a 49 kg dummy. The legal situation in several countries (like in Germany) allows to transport children with less than 15 kg and young patients between 36 and 50 kg. In most countries, you need a written document of a doctor, which says that it belongs to the special needs of this special patient to use this seat.
- Use forward-facing position only.
- Do never change anything on the construction of the Carrot 3, unless this is specially authorized in this instruction manual.
- Adjust the belts provided with this child seat so they fit snugly around your child. A snug strap should not allow any slack or twist. It does not press on the child's flesh or push the child's body into an unnatural position.
- Secure this child seat with the upper and lower fixing straps to the vehicle's seat, and always use vehicle's lap shoulder (3point) safety belts as well.
- Tighten the internal 5-point-belt-system and the belt of the car's 3-point-belt-system firmly to keep the child in a firm position.
- Follow all the instructions on this child seat and in this instruction manual.
- Use this child seat only with the vehicles provided with lap shoulder (3point) safety belts approved by ECE regulation No.16 or other equivalent standards.
- The rigid items and plastic parts of the child restraint must be so located and installed that they are not liable, during everyday use of the vehicle, to become trapped by a movable seat or in a door of the vehicle.
- To prevent injury due to hidden damage, discontinue use of a child seat that has been in a moderate or severe crash.
- This child seat must not be used without the cover.

## WARNING !

- The child seat cover should not be replaced with any other than the one recommended by the manufacturer.
- When not in use, this instruction manual should be stored in the pocket on the back.
- This child seat must not be used in the home, in boats, or other non-certified applications.
- Back seat of vehicle is the safest location for a properly installed child seat. Please study and ensure your child's safety and consult your vehicle owner's manual.
- Secure this child seat even when it is not occupied. In a crash, an unsecured child seat may injure vehicle occupants.
- When using in a vehicle with airbags, refer to your vehicle's owner's manual for child seat installation instructions and precautions.
- Never use the adjuster strap to lift or carry this child seat. Doing so could cause damage to harness adjuster and webbing. Always carry this child seat by its shell.
- Do not take apart or attempt to take apart the harness and the straps from the child seat. Never remove the buckles and/or the buckle tongues from the harness or the straps. They cannot be reattached after removal. If reassembled incorrectly, the child seat may not perform as intended.
- The primary protection for occupants of a vehicle in a collision is the body of the vehicle itself ; a child seat will not protect a child when a vehicle is seriously impacted. However, correctly installed, a child seat will substantially improve chances for survival in most crashes. Make sure all users fully understand the correct ways to use this child seat in a vehicle.

# Safety Information

## Important Notes

- Verify child seat is securely installed/fixed to car seat with provided upper and lower fixing straps (or with ISOFIX Latch and Tether straps : optional accessories), and harness is properly adjusted around child each time child seat is used.
- Adjust harness to fit clothes the child is wearing. Remove bulky coats and/or jackets before putting child in child seat.
- Cover child seat when vehicle is parked in direct sunlight. Parts of child seat could become hot enough to burn a child.
- Store child seat in a safe place when it is not being used. Avoid placing heavy objects on top of it.
- Do not leave children alone in a vehicle, even for a short time.
- Do not, except as described in this manual, attempt to disassemble any part of the child seat or change the way its harness or vehicle's seat belts are used.
- Do not leave loose objects, e.g. books, bags, etc., in the back of a vehicle. In the event of a sudden stop, loose objects will keep moving, potentially causing serious injuries.
- Do not leave folding vehicle seats unlatched. In the event of a sudden stop, a loose seat back could prevent child seat from protecting the child as well as it should.
- Do not use anything to raise child seat off vehicle seat except as described in this manual. In a crash, child seat could slide and may not adequately protect the child.

# Safety Information

- Do not allow children to play with this or any child seat.
- This child seat is recommended to be used in the upright position.

## Certification

This child seat system conforms to European Safety Standard, ECE R44/04 (Class II&III) .



### **WARNING !**

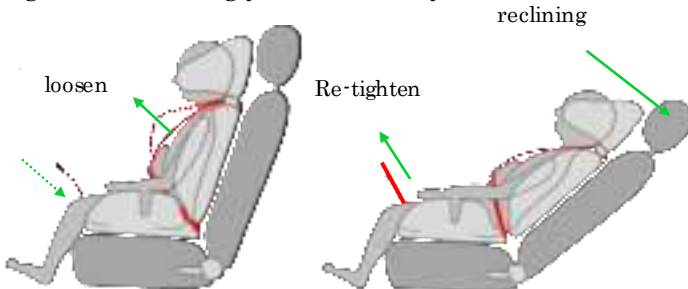
This child seat must be used forward-facing position only.



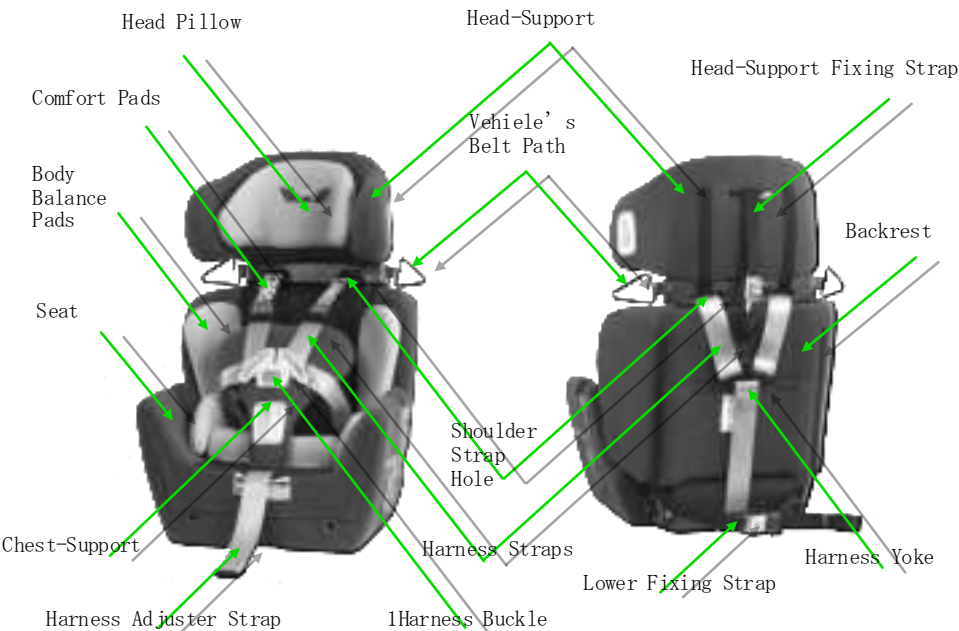
### **WARNING !**

When you recline the back, you must release and loosen the harness straps first, then after reclining the back, re-tighten the harness again.

Reclining the back without loosening the harness may cause pushing and/or choking your child body.

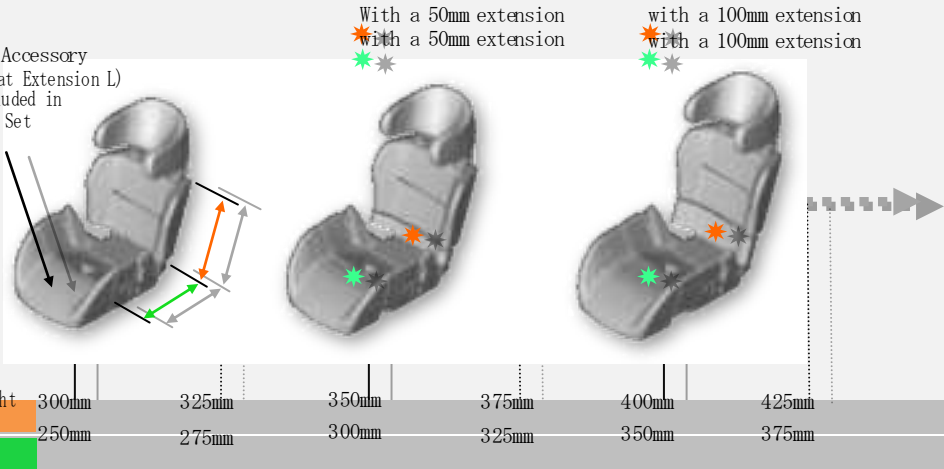


# Features



## e Formula

Optional Accessory  
(Rodded Seat Extension L)  
✱ Not included in  
Standard Set







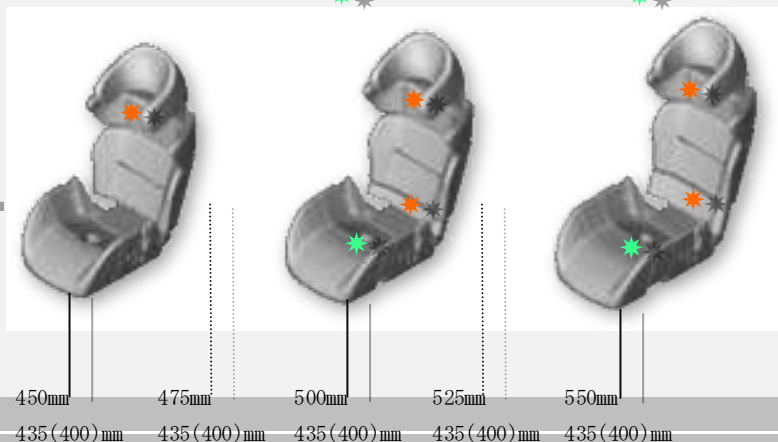
With a 150mm Extension



with 150+50mm Extensions  
with a 50mm Extension



with 150+100mm Extensions  
with a 100mm Extension



# Installation

## Standard Installation

### Fixing Strap Installation

If your vehicle is not equipped with LATCH anchors, you must use fixing straps installation methods.

### Fixing Strap Installation

1. Installation using fixing straps provided at the upper and lower parts of the child seat.
2. Secure the Head-Support to the vehicle's headrest using the Head-Support fixing strap, and the child seat main body to the vehicle's seat using the lower fixing strap.
3. Attach the buckles, and push the child seat firmly into the vehicle seat while pulling both adjuster straps tight to remove all slack, and verify the child seat is secure. (See Fig. A and B)
4. Verify all connectors are secure and the child seat is secure.

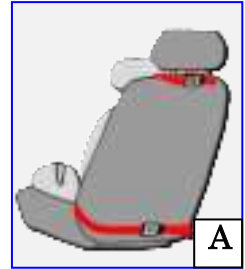
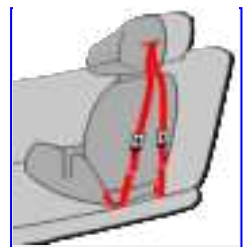


Image of Typical Installation



- When you install child seat to the passenger seat, in order to avoid potential impact by airbag, move the passenger seat backward as deep as possible.
- When you install child seat to the bench-seat, you may find that the fixing strap is too short to fix it sideways around. If this is the case you may fix child seat by using the strap vertically.
- When you find difficulty in securing the child seat, please contact the distributor or the retailer whom you purchased this child seat from for consulting.



## Installation with ISOFIX (Latch and Tether Anchor Strap)

### ISOFIX Latch and Top Tether Anchor Strap

Optional Accessory

- ISOFIX Latch-Connector Strap and ISOFIX Top-Tether Strap are optional accessories. Please contact the distributor for the purchase and fixing those parts to your child seat.
- When you install child seat with ISOFIX Latch-Connector Strap and ISOFIX Top-Tether Strap, consult your vehicle owner's manual or contact the vehicle manufacturer for approved tether-anchorage locations and assistance.
- Consult your vehicle owner's manual, and make sure that ISOFIX Latch connector and Top-Tether are adaptable to your vehicle. If not, you have to install child seat with the provided upper and lower fixing straps. See page 9, Standard Installation.



Typical image of  
ISOFIX Forward-  
Facing Installation

ISOFIX Top Tether  
Strap



ISOFIX Latch  
Connector Strap

1. Press and hold each Latch adjuster release button, then pull each Latch strap to full length (Fig. B).
2. Verify Latch strap is not twisted and attach the Latch connector to the Latch anchor of the vehicle seat (Fig. C).  
(Make sure you hear a positive click sound.)
3. After latching both sides, push the child seat firmly into the vehicle seat while pulling each latch adjuster strap tight (Fig. D).
4. If vehicle is equipped with an approved tether anchor, tether hook to an approved tether anchor. Remove all slack from tether to secure (Fig. E).
5. Verify all connections are secure and the child seat is secure.



## **WARNING!**

This child seat must be fixed and secured with provided upper and lower fixing straps (or with ISOFIX Latch and Tether straps; optional accessories). It is NOT enough to secure a child seat only with the vehicle's lap shoulder belt. Without using provided upper and lower fixing straps could cause your child seat not to perform as intended and risk your child Death or Serious Injury.

# Functions

## Head Section

### Head-Support Adjustment

This Head-Support can be adjusted to fit the head shape of individual users for better fitting and protection (Fig. A).



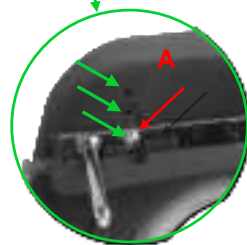
### Forward / Backward Position Adjustment

Head-Support can be adjusted, if necessary, forward and backward, by 15mm each.



### IMPORTANT :

Adjustment of the Head-Support position ( forward / backward ) requires fixing tools. Contact and ask the distributor for adjustment and assistance.



### Head Pillow Position Adjustment

Head Pillow can easily be adjusted to the most favorable position to the user.

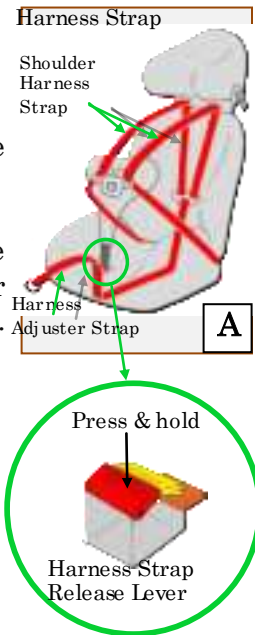


## Shoulder Section

### Harness Strap Adjustment

- 1 To tighten harness strap, simply pull the harness adjuster strap.
- 2 Press and hold the harness adjuster release lever (in Red), while pulling the shoulder harness strap to loosen the harness strap. (Fig. A).

**NOTE :** Do not pull the comfort pad on the harness strap as it is fixed on the back. Pull and loosen the harness strap only.



### Comfort Pads

You can adjust Comfort Pads to the favorable position by moving Velcro tape attached to the back of the Head-Support.



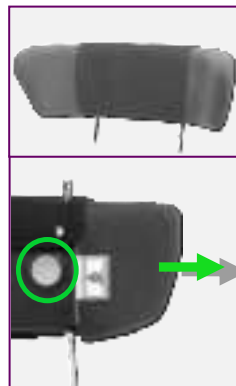
## Shoulder Protector Wing Set

Optional accessory

### Adjusting Shoulder Width

Sideway extension adjustment of Shoulder Protector Wing is available by Max.100mm, 50mm each rightward and leftward respectively (five positions / 10mm each).

Press and hold the shoulder width adjuster button (in Yellow) on the back, while pulling the wing outward to desirable position, where the body of child is secure and comfortable.



### IMPORTANT :

When your child becomes big enough to use the Shoulder Protector Wings, you may need to adjust the Harness Strap to a longer one as well as the Head-Support to a larger one, too. If this is the case, you may purchase 「Shoulder Protector Wing Set」 for a larger child.

You must contact and ask the distributor for the installation and adjustment of the set.

## Chest Section



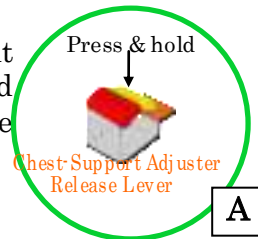
### WARNING !

Top level of the Chest-Support must be lower than throat area. Positioning the Chest-Support too high may risk your child choked.



### Adjusting Chest-Support

While pushing down the Chest-Support Height Adjuster lever (in Yellow) on the front of the child seat, adjust the height of Chest-Support to the appropriate position (Fig. A).



### Fastening / Releasing Harness Buckle

1. Hold the harness buckle with one hand. Use the other hand to insert buckle tongues into the harness buckle (Fig. B). Proper connection is confirmed with a positive click after inserting each buckle tongue.
2. Brace the rear of the harness buckle with one hand. Press the release button and slide both tongues to remove from the buckle (Fig. C).

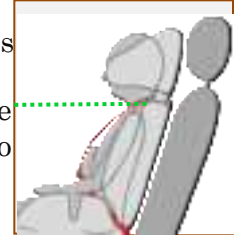




## Backrest Section

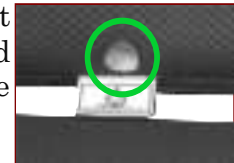
### IMPORTANT:

- Height of the Shoulder Harness Strap moves with the height of the Backrest.
- Level of the Shoulder Harness Strap must be at or above the Child's shoulders, parallel to level ground.



### Adjusting Backrest Height

Release locking by pushing the Backrest Height Adjuster Button on the lower Backrest, and while pushing the button, adjust height of the Backrest.



### Backrest Extensions ( 50mm/100mm )

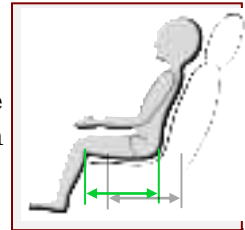
Optional Accessory

Backrest Extensions ( 50mm / 100mm ) are provided to fill the space exposed between the backrest and the seat when you extend to the Backrest.



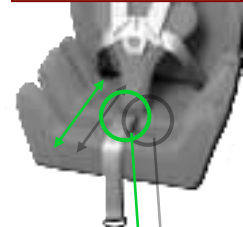
## Seat Section

When a child sits with knees bent, adjust the total seat length slightly shorter than the length from pelvis to rear knee of your child.



## Adjusting Seat Length

Release locking by pushing the Seat Extension Adjuster Release Lever (in Orange) on the front of the child seat, and while pushing the lever, adjust position of the Rodded Seat Extension.



Press & hold



## Seat Extensions ( 50mm / 100mm )

Optional Accessory

Seat Extensions ( 50mm / 100mm ) are provided to fill the space exposed around the metal rods when you extend the Rodded Seat Extension and/or the Foot Rest.



## Rodded Seat Extension-Long

Optional Accessory

Legs shall be stretched out, and lower limbs are to be supported as well.



## Rodded Seat Extension-Short

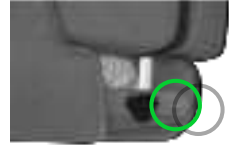
Optional Accessory

Knees are bent, and supporting up to femora.



## Adjusting Seat Depth

Seat depth can be adjusted by max. 35mm by changing position of Seat Depth Adjuster Knob. Ask the distributor for adjustment and assistance.



## Foot Rest ( Long / Medium / Short )

Optional Accessory

Foot Rest with adjustable length feature, provided with Long, Medium, Short.



## Supporting Table

Optional Accessory

Supporting Table is provided when we can expect better secure of the child's upper limb by using it.



## Seat Angle Adjuster Mat ( Triangle Mat )

Optional Accessory

Use to increase and adjust the height of front area of the child seat for better secure and stability of child's seating.



# Functions

## **Pads and Cushions / Standard Accessories**

Following Pads and Cushions are provided as standard accessories. Attaching and Adjusting these pads and cushions can easily be done by Velcro for comfortable positioning to the child's body seating.

### **Head Pillow**

Use to realize most comfortable and secure head position in the Head-Support.

### **Body Balance Pads**

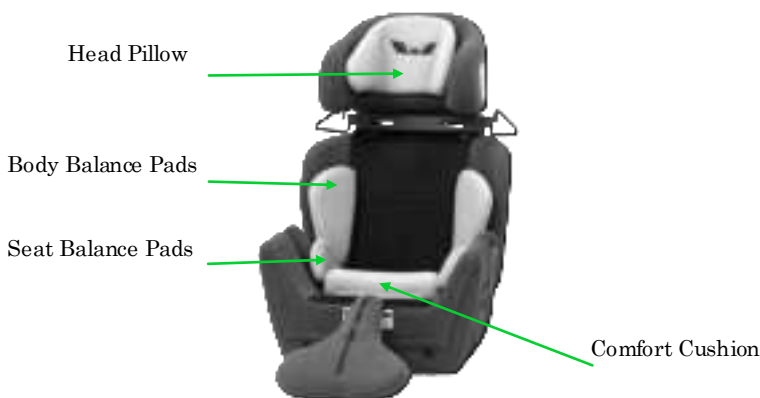
Use to realize most stable secure of the child's body balance in the child seat.

### **Seat Balance Pads**

Use to realize most stable secure of the child's body balance in the child seat.

### **Comfort Cushion**

Use to realize most comfortable position in the child seat and prevent the child's pelvis from slipping forward.



# Securing Your Child

Once the child seat has been installed in the vehicle and adjustments have been made, follow these instructions to secure the child.

- Loosen the harness by pressing the harness adjuster lever on the front of the child seat, then pull the shoulder straps forward.
- Unfasten the harness buckle by pressing the release button and sliding the tongues out.
- Move the harness straps to the side of the child seat and place the child in the child seat.
- Position the harness straps around the child and fasten the harness buckle.
- Proper connection is confirmed with a positive click after inserting each buckle tongue.
- Gently pull up on the harness straps to tighten the lap section, which should fit low on the child's body.
- The 3-point-belt of the car is absolutely necessary to hold the Carrot 3 and to give the user the highest degree of security.

After you have positioned your child with the 5-point-belt of the Carrot 3, pull out the 3-point-belt of the car and put the buckle tongue in a buckle. Then you direct the hip belt part of the 3-point-belt of the car through both belt guides in this seating area (red plastic parts) and tighten this belt in the lower part. It has to be positioned as deep as possible to hold the hip of the user properly.

After that, you direct the shoulder belt of the 3-point-belt of the car on the side of the buckle through the belt guide in the seat area and put it on the other side through the belt guide in the shoulder area. After that you tighten the belt in the shoulder area.

After you fastened the Carrot and its user with the 3-point-belt of the car, make sure that the neck and the face of the child will not be harmed by the belt. Please check that the buckle of the cars 3-point-belt is lower than the belt guide in the sitting area. This is necessary, because otherwise the child could slip under the hip belt in a crash situation. If the buckle of the cars 3-point-belt is higher than the belt guide, please speak with your dealer.

The 3-point-belt of the car must be tightened before the trip and must lie closely on the user. Make sure that the belt is not twisted.

The chest support pad must have a position that guarantees that the hip belt is as deep as possible to hold the hip appropriately and the buckle of the 5-point-belt is not under the belt of the car.

If you are in doubt that the Carrot 3 and your child are appropriately positioned, please speak to your dealer.

- Fasten vehicle's lap shoulder belt over the child seat routing the belt paths of the child seat.
- Verify that vehicle's lap shoulder belt is not twisted or sagging, child in the child seat is properly secure.





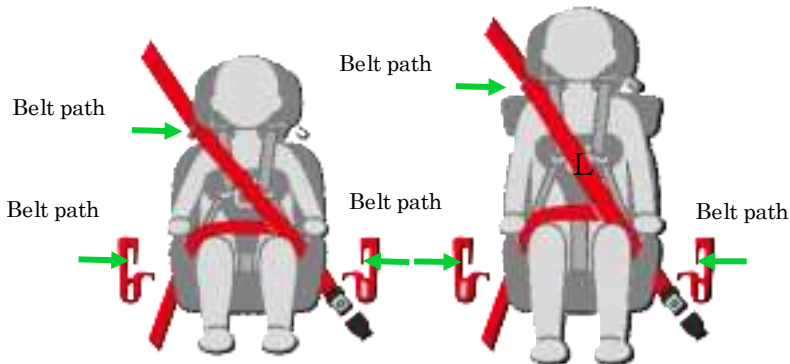
## WARNING !

**It is your RESPONSIBILITY to use Vehicle's Safety Belts at the same time.**

It is NOT enough to secure a child only with (5point) harness straps of the child seat, and is required by law to always use the vehicle's lap shoulder (3point) safety belt at the same time to secure a child seat and child.

Without using vehicle's lap shoulder (3point) safety belt could cause your child seat not to perform as intended and risk your child Death or Serious Injury.

Figure A. below illustrates a lap shoulder (3point safety) belt secures over the child seat.



## IMPORTANT :

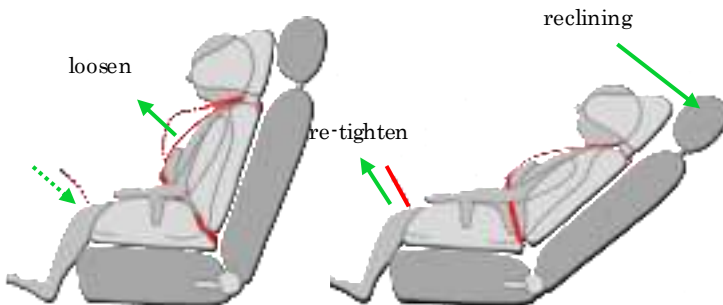
- Always pull on the harness after securing the child to ensure the buckle tongues are secure in the harness buckle.
- Always park your car at the safe place when you make any adjustments to child seat including reclining the car seat. Adjusting and/or handling child seat during driving could risk both you and your child for DEATH or SERIOUS INJURY.
- During driving, child seat shall be used at the position as upright as possible. Too much reclined position could cause your child seat not to perform as intended in a collision.



## WARNING !

When you recline the backrest, you must release and loosen the harness straps first, then after reclining the backrest, re-tighten the harness again.

Reclining the back without loosening the harness may cause pushing and/or choking your child body.



# Care and Maintenance

## **Cover Removal :**

Do not try to remove or replace the cover by yourself as it is complicated and needs equipments. Ask the distributor for removal or replacement of the cover.

Do not take apart or attempt to take apart the harness. Never remove the buckle tongues from the harness. They cannot be reattached after removal. If reassembled incorrectly, the child seat may not perform as intended.

## **Cleaning the Cover, Pillows and Pads**

For the Cover, SPONGE CLEAN using cold water and mild soap. TOWEL DRY. For the Pillow and Pads and Cushions, HAND WASH using cold water and mild soap. LINE or LIE FLAT DRY to prevent them from shrinking. Do not Bleach, machine wash, machine dry or iron. To keep them clean is important but washing may damage those fabrics. When you find damages on fabric, it is time to replace it. And periodical replacement is recommended.

## **A Click Sound of the Harness Buckle**

If a child eats and drinks while in the child seat, the harness buckle may need to be periodically checked of its performance.

If a positive click is not heard, it is time to replace the harness buckle. Ask the distributor for replacement of the harness buckle.

## **The Harness and The Straps**

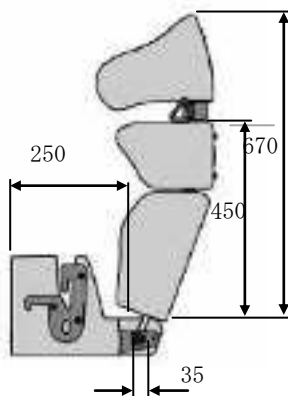
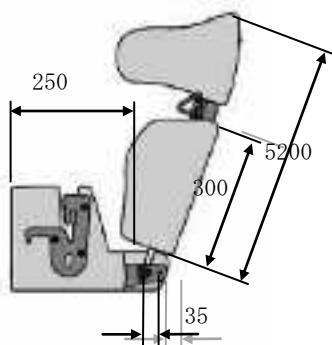
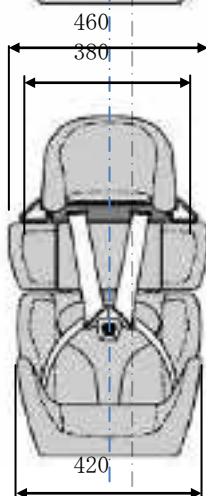
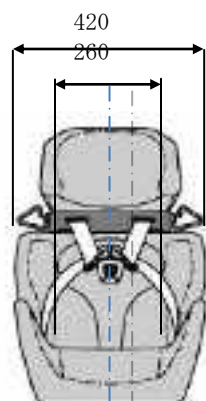
Do not take apart or attempt to take apart the harness and the straps from the child seat. Never remove the buckles and/or the buckle tongues from the harness or the straps. They cannot be reattached after removal. If reassembled incorrectly, the child seat may not perform as intended.



# Product Dimensions

Overall Width	420mm
(with the Shoulder Protector Wing Set) (460 ~ 560mm)	
Seat Depth	250mm or 285mm
Seat Width	260mm
Extendable Backrest Height	520 ~ 620mm
(with the Shoulder Protector Wing Set) (670 ~ 770mm)	

Product Weight
Target User Weight 10 ~ 49kg
Target User Age 2 ~ 15 years



# Warranty

## **LIMITED ONE-YEAR WARRANTY**

This product is warranted against defective materials and workmanship for one year from the date of original purchase. Proof of purchase is required.

To make a claim under this warranty, contact the authorized distributor or the retailer whom you purchased this product from. Proof of purchase is required.

## **WARRANTY LIMITATIONS**

This warranty does not include damages which arise from negligence, misuse or use not in accordance with the product instruction.

The use of non-CARROT-III's covers, inserts, toys, accessories, or tightening devices is not approved. Their use could cause this child seat to fail Safety Standard, ECE regulation No.16, or not to perform as intended in a crash. Their use automatically voids this warranty.

## **LIMITATION OF DAMAGES**

The warranty set forth above is exclusive and in lieu of all others, oral or written, express or implied. In no event will the manufacturer, the distributors, or the retailers selling this product, be liable for any damages, including incidental or consequential damages, arising out of the use or inability to use this product.

## LIMITED ONE-YEAR WARRANTY

Product Model Number : CARROT 3

Your Name:

Your Street Address:

City: State:

Zip Code Country:

Telephone Number:

E-mail Address:

Date of Purchase:

Distributor

General Agency