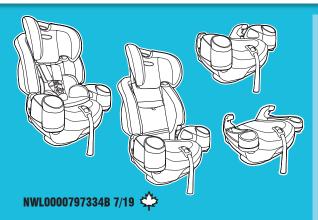


## NAUTILUS® SNUGLOCK® LX

CHILD RESTRAINT/BOOSTER SEAT

### **Read This Instruction Manual**



Do not install or use this child restraint until you read, understand and follow the instructions in this manual and the warnings on the car seat.

FAILURE TO PROPERLY
USE THIS CHILD
RESTRAINT INCREASES
THE RISK OF SERIOUS
INJURY OR DEATH IN A
SUDDEN STOP OR CRASH.

## 1 Important

**Pages 6-25** 

- 1-A Quick Guide to Your Manual
- 1-B Welcome to the Graco Family
- 1-C Height and Weight Guidelines
- 1-D Before You Begin

Register This Car Seat

If You Need Help

Certification

Aircraft Installation

Car Seat's Useful Life

Vehicle Seat Protection

Warm Weather Use

1-E Safety Warnings

#### 2 Features

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## 3 Forward-Facing Harness Mode Pages 32-55

- 3-A Forward-Facing Harness Mode With Top Tether Use
- 3-B Install Forward-Facing Harness Mode with UAS Straps and Top Tether
- 3-C Install Forward-Facing Harness Mode with the Vehicle Seat Belt and Top Tether

#### **4 Booster**

Pages 56-72

- 4-A Booster Use
- 4-B Install Highback Booster
- 4-C Install Backless Booster

## **5 Securing Child**

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- 5-A Securing Child Forward-Facing Harness Mode
- 5-B Securing Child Highback Booster
- 5-C Securing Child Backless Booster

### **6 Accessories**

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### **7 Vehicle Information**

Pages 90-100

- 7-A How to Remove UAS and Top Tether
- 7-B Choosing Vehicle Seat Location
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- 7-D Vehicle Seat Belts

## 8 Care & Cleaning

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- 8-A Cleaning Seat Pad
- 8-B Cleaning Buckle Strap
- 8-C Cleaning Harness and UAS Straps
- 8-D Cleaning Removable Armrests





#### 1-A Quick Guide to Your Manual

This car Forward-Facing Harness Mode: 10-30 kg (22-65 lb),

69-125 cm (27"-49") seat

Highback Booster: 18-45 kg (40-100 lb), 110-145 cm (43"-57") is for Backless Booster: 18-45 kg (40-100 lb), 110-145 cm (43"-57")

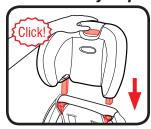
children: Backless Armless Booster: 18-54 kg (40-120 lb),

110-145 cm (43"-57")

This seat CANNOT be used rear-facing.

**Car Seat Assembly** (On Select Models) (Follow the directions that matches your model)

#### Adult Assembly Required



#### Attach Headrest

Squeeze height adjust button and push headrest into slots on the back support as shown. Headrest will click into the back support.

You may need to unfasten the hook and loop attachment tape on both sides at the top of the back support to allow for easier access to the slots. Always use child restraint with headrest installed

and properly adjusted.

## **Car Seat Assembly** (On Select Models) (Follow the directions that matches your model)

### **Adult Assembly Required**

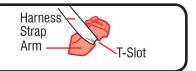
#### 1. Raise Seat Back

Grab seat pad fabric in sitting area to expose the gutters.

**Make Sure** all hands, fingers and other objects are clear of the gutters.

**Make Sure** the harness straps are securely attached within the "T"-shaped slots around the arms as shown.

With your other hand, raise seat back so that both arms **LOCK** into the gutters. Arms should click into the gutters. Seat assembly should appear as shown.













#### 2. Snap On Seat Base Pad to Base

Snap on the base pad as shown. On select models, you may need to attach the 2 elastic loops on the back and side of the seat base.



#### 3. Assembly Complete

#### Get to Know Your Car Seat

Review section 2-A to see all of the features of this car seat.

#### What Seating Location Should I Use?

#### The best seating location for this car seat is one that:

- Is recommended by your vehicle owner's manual, and
- · Results in a secure installation of this car seat.

Some vehicles have specific requirements for where the car seat can be installed, so be sure to check your vehicle owner's manual for available seating positions, if any. For example, sometimes the centre rear seat has a lap belt only vehicle seat belt, which cannot be used when this car seat is in Booster mode.

Review section 7-B, 7-C of this manual AND your vehicle owner's manual.



According to collision statistics, the safest place for your child in any vehicle is the back seat. The centre of the back seat can be the safest during a possible side impact.



#### Which Installation Method Should I Use?

This car seat can be installed in your vehicle using either the vehicle seat belt *OR* the Universal Anchorage System (UAS). Although both are equally safe to use, DO NOT USE BOTH AT THE SAME TIME IN FORWARD-FACING HARNESS MODE. Graco allows the securing of the car seat with UAS system in the booster mode, only if the vehicle manufacturer allows it. Do not use the UAS when your child has reached 20 kg (45 lb) when using this car seat with the forward-facing harness mode.

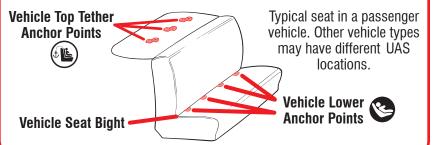
**Vehicle Seat Belt:** Review section 7 and your vehicle owner's manual to learn how to install your car seat with the vehicle seat belts.

**UAS:** The UAS system allows you to securely attach your safety seat in your car without using the vehicle seat belt and possibly to get a better fit. All 2003 and newer model year vehicles are required to have a UAS system, although some manufacturers began including UAS earlier. Some vehicle owner manuals use the terms ISOFIX or LATCH to identify the UAS system.

#### What is UAS?

UAS consists of lower anchors and top tether anchors, which are built-in to your vehicle, and connecting hooks that are built-in to your car seat. Lower anchors are used INSTEAD of the vehicle's seat belt to secure the child seat to the vehicle in forward-facing harness mode. Top tethers are used IN ADDITION to the lower anchors OR the vehicle's seat belt to secure a forward-facing car seat to the vehicle.

Review your vehicle's owner manual for exact location and use.



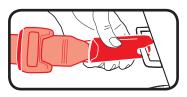


### When Installing Forward-Facing Harness Mode

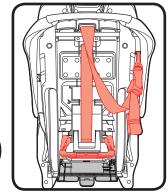
#### **UAS System**

UAS consists of lower anchors, which are built-in to your vehicle, and connecting hooks that are built-in to your car seat.

Review section 3-B of this manual AND your vehicle owner's manual.







#### **Vehicle Seat Belt**

There are two types of vehicle seat belts that can be used. Lap/Shoulder Seat Belt or Lap Only Seat Belt.

Review section 3-C of this manual AND your vehicle owner's manual.





#### When Installing As a Booster

#### **Vehicle Seat Belt**

Only use the Lap/Shoulder seat belt configuration.

Review section 4-B, 4-C of this manual AND your vehicle owner's manual.







#### **Does Your Car Seat Fit Your Child Correctly?**

To make sure your child is secured properly, review section 3 and 4 to understand all of the actions you need to take to properly adjust the car seat to fit your child.

#### For Forward-Facing Harness Mode, You Need to Adjust:

## Harness Height, Forward-Facing Harness Mode (A)

Harness straps at or just above the child's shoulders and top of child's ears below top of headrest **(B)**. Review section 5.

#### **Buckle Position (C)**

The correct slot is the one that is closest to your child without being underneath them. Review section 5.

#### Harness Tightness (D)

If your fingers slide off the harness straps without pinching the straps, it is tight enough. Review section 5.



#### For Booster, You Need to Adjust:

#### **Use Lap/Shoulder Belt Only**





#### Position Lap Belt

Lap belt must go behind armrest and lie low across your child's hips and thighs.







#### **Position Shoulder Belt**

Shoulder belt lies across shoulder between neck and edge of shoulder.







#### Forward-Facing Harness Mode Installation

# Use the top tether strap when using forward-facing harness-mode(A)

When used properly, the top tether helps reduce injury in a sudden stop or crash.

Review section 3

#### Car Seat Does Not Move More than 2.5cm (1") at the Belt Path (B)

Review section 3

#### Harness Straps at or Just Above Child's Shoulders (C)

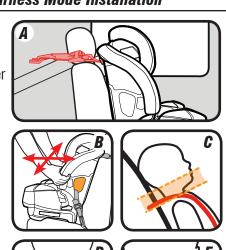
Review section 5

## Chest Clip Even With Armpits (D)

Review section 5

## Cannot Pinch Harness Straps at the Shoulder (E)

Review section 5







#### **Booster Installation**

#### Never Use Lap Belt Only

Review section 5







Lap Belt Behind Armrest and Lies Low Across Hips and Thighs Review section 5







Shoulder Belt Lies On the Shoulder, Between the Neck and Edge of Shoulders Review section 5







## 1-B Welcome to the Graco Family!

Your child's safety depends on you. No car seat can guarantee protection from injury in every situation, but proper use helps reduce the risk of serious injury or death.

Even if this car seat seems easy to figure out on your own, you must follow the detailed instructions in this instruction manual to ensure the steps below are performed correctly.

## 1-C Right Mode of Use



10 kg	18 kg	30 kg	45 kg	54 kg
(22 lb)	(40 lb)	(65 lb)	(100 lb)	( I ZU ID)

Forward-Facing Harness Mode 10-18 kg (22-40 lb) and can walk unassisted MUST use 5-point harness. 18-30 kg (40-65 lb) **SHOULD** use 5-point harness.

Highback Booster Mode with Vehicle Lap/Shoulder Seat Belt 18-30 kg (40-65 lb) 110-145 cm (43-57 in) CAN be in highback booster mode. Over 30 kg (65 lb) MUST be in booster mode.

Backless Booster Mode with Vehicle Lap/Shoulder Seat Belt 18-30 kg (40-65 lb) 110-145 cm (43-57 in) CAN be in booster mode. Over 30 kg (65 lb) MUST be in booster mode.

**Backless Armless Booster Mode with Vehicle Lap/Shoulder Seat Belt** 18-30 kg (40-65 lb) 110-145 cm (43-57 in) **CAN** be in booster mode. Over 30 kg (65 lb) **MUST** be in booster mode.



## 1-D Before You Begin

#### Register This Child Restraint

Please fill out the prepaid registration postcard attached to the harness and mail it in today or register online at www.gracobaby.ca

Child restraints could be recalled for safety reasons. You must register this restraint to be reached in a recall. Send your name, address, and the restraint's model number and manufacturing date to:

Newell Brands Canada ULC. 20 Hereford Street, Unit B, Brampton, ON L6Y 0M1 or call 1-800-345-4109.

For recall information, call the Customer Service in Canada at www.gracobaby.ca or call 1-800-345-4109.

For future reference or if you change addresses, record the model name, model number, date of manufacture and purchase date of this car seat on the below. You can find this information either on the registration card if you still have it or on the date label located on the back of the car seat.

Model Name	
Model Number	
Date of Manufacture	
Date of Purchase	

#### If You Need Help

Please contact our Customer Service Department with any questions you may have concerning parts, use, or maintenance. When you contact us, please have your product's **model number and date of manufacture** ready so that we may help you efficiently. These numbers can be found on a sticker on the back of your child restraint

www.gracobaby.ca 1-800-345-4109





#### Certification

This child restraint meets or exceeds all applicable requirements of Canada Motor Vehicle Safety Standards 213 and 213.2 for use in motor vehicles.

#### Aircraft Installation

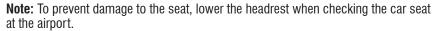


This child restraint is certified for use in aircraft only when used with the internal harness system. Use only forward-facing aircraft seats. Follow the instructions for vehicle installation. See section 3-C and 7-D Lap Belt Installation except don't use the top tether.



This child restraint is NOT certified for use in aircraft. when used as a booster seat because aircrafts do not have shoulder belts

Contact the airline for their specific polices.



#### Car Seat's Useful Life

STOP using this car seat and throw it away 10 years after the date of manufacture. Look for date of manufacture label on back of the car seat

Graco Children's Products Inc. advises against loaning or passing along a car seat unless you know the complete history of the product. We also advise against purchasing a car seat second hand.

#### Vehicle Seat Protection

Protect vehicle seat. Use a car seat mat, towel, or thin blanket under and behind car seat.

#### Warm Weather Use

Car seat parts can get very hot in the sun or warm weather. To avoid burns, always check before putting child in car seat.

## 1-E Safety Warnings

No car seat can guarantee protection from injury in every situation, but proper use helps reduce the risk of serious injury or death. READ THIS MANUAL CAREFULLY.

## **AWARNING!**

Failure to follow these instructions and child restraint's labels can result in child striking the vehicle's interior during a sudden stop or crash.

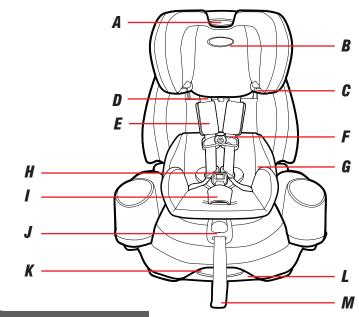
- ! Review your vehicle owner's manual for more information about air bags and car seat use.
- ! If your vehicle does not have a back seat, review your vehicle owner's manual.
- ! Select a suitable location for the car seat in your vehicle.
- ! Secure car seat with a vehicle seat belt or UAS that is properly routed as shown in this manual.
- ! Vehicle seat belt system MUST hold car seat securely. Not all vehicle seat belts can be used with a car seat.
- ! If vehicle seat belt does not hold car seat securely, read "Vehicle Seat Belts" section 7-D and your vehicle owner's manual.
- ! In the forward-facing harness mode, the armrests MUST be installed.
- ! Always secure car seat with UAS or a vehicle seat belt, even when unoccupied. In a crash, an unsecured car seat can injure passengers.
- ! If car seat is in a crash, it must be replaced. DO NOT use it again! A crash can cause unseen damage and using it again could result in serious injury or death.

- ! DO NOT use car seat if it is damaged or missing parts.
- ! DO NOT use accessories or parts other than those provided by Graco except for a thin towel or mat to protect your vehicle seat. Their use could alter the performance of the car seat.
- ! DO NOT remove UAS system from car seat. If using vehicle seat belt to secure car seat, UAS connectors must be stored.
- ! Never leave child unattended, even when sleeping. Child may become tangled in harness straps and suffocate or strangle.



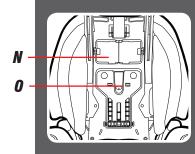
- ! Never attach two UAS connectors to one vehicle lower anchor point unless specifically allowed by the vehicle manufacturer.
- ! DO NOT use both the vehicle seat belt and UAS at the same time when using the car seat in the forward-facing harness mode.
- ! This restraint system may only be used in these classes of vehicles: passenger cars, multi-purpose passenger vehicles and trucks that have vehicle lap/shoulder belts and tether anchors.

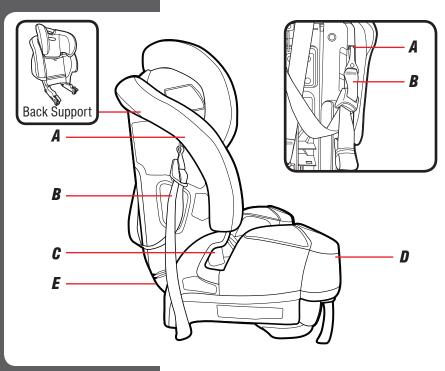
## 2-A Car Seat Features





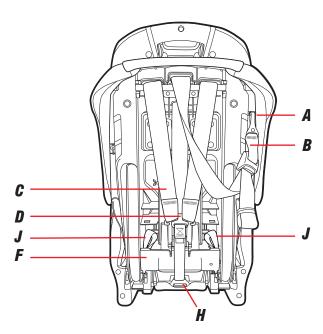
- A Headrest Adjustment Button
- **B** Headrest
- C Shoulder Belt Guide
- **D** Harness Strap
- E Harness Covers
- F Chest Clip
- **G Body Support** (On Select Models)
- H Harness Buckle
- I Buckle Cover (On Select Models)
- J Harness Adjustment Lever
- K Recline Handle
- L Recline Foot
- M Harness Adjustment Strap
- N Harness Storage Compartment (Under Backrest Pad)
- O SnugLock® Lock-Off (Under Backrest Pad)

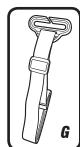




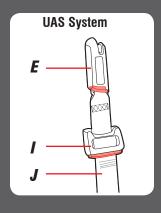


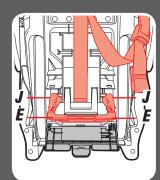
- A Tether Storage Bar
- B Tether Strap
- C Booster Belt Guide
- D Removable Armrests
- E UAS Storage Compartment





- A Tether Storage Bar
- **B** Tether Strap
- C Harness Straps
- **D** Splitter Plate
- **E UAS Connectors**
- F UAS Storage Compartment
- G Belt Positioning Clip (Inset)\*
- H Belt Positioning Clip Attachment Point
- I UAS Adjuster
- J UAS Strap





<sup>\*</sup>Store in Harness Storage Compartment Until Needed

## **3-A Forward-Facing Harness Mode With Top Tether**



UAS Strap with Top Tether Strap Do not install with the UAS connectors for a child weighing more than 20 kg (45 lb)

#### Forward-Facing Harness Mode: 10-30 kg (22-65 lb) and 69-125 cm (27"-49") at least one year old

- Place car seat forward-facing in the vehicle back seat.
- Make sure UAS strap or vehicle seat belt is routed through the forward-facing belt path marked with an orange label.
- Attach and tighten top tether strap. When used properly, the top tether helps reduce injury in a sudden stop or crash.
- Install this car seat tightly in your vehicle. Car seat **should not move** at the forward-facing belt path more than 2.5 cm (1") from side to side, front to back.
- In the forward-facing harness mode, the armrests MUST be installed.



 Harness straps need to be at or just above the top of child's shoulders and chest clip is at armpit level.

Experts recommend that children should use the built-in harness system for as long as possible until they reach the maximum forward-facing weight and height for their car seat. This car seat can remain forward-facing using the built-in harness system for children up to 30 kg (65 lb) and 125 cm (49 in).



Vehicle Lap/Shoulder Belt with Top Tether Strap

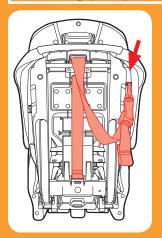


Vehicle Seat Lap Belt with Top Tether Strap



### 3-B Install Forward-Facing Harness Mode with UAS Straps and Top Tether

Review your vehicle's owner manual for UAS location and use. Do not install with the UAS connectors for children weighing more than 20 kg (45 lb)



## 1. Remove Top Tether Strap from Storage Location

Unhook tether and lay it on the seat.



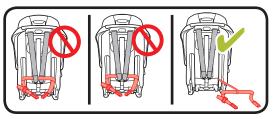
#### 2. Open the UAS Storage Door

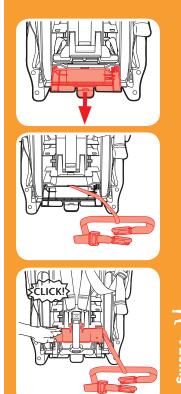
## 3. Take the UAS System Out of the Storage Compartment

Do not remove the UAS system from the car seat.

#### 4. Close the UAS Storage Door

Do not let the UAS strap interfere with the harness straps.



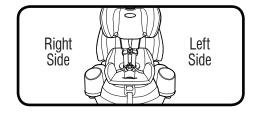






## 5. Thread the UAS System Into the Forward-Facing Belt Path

From the right side of the seat, thread the UAS connector closest to the adjuster through the forward-facing belt path marked with an orange label as shown.



#### 6. Place Car Seat Forward-Facing in Back Seat of the Vehicle

Place forward-facing in vehicle seat. The bottom of the seat should sit as flat as possible on the vehicle seat.

## 7. Choose One of the Four Recline Positions

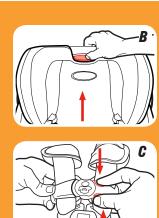
To recline, pull recline handle out and tilt the seat back. For upright position, pull recline handle out and push down on front of seat.

#### 8. Extend the UAS Strap.

For easier installation, extend the UAS strap to its maximum length by pressing the button and pull out on the strap.







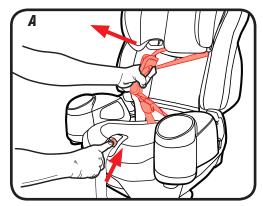


#### **Using With the SnugLock® Lock-Off:**

Skip to step 9-B if not using the SnugLock® Lock-Off.

#### 9A. Expose the SnugLock® Lock-Off

- **A.** Loosen the harness straps.
- **B.** Raise the headrest to the highest position.
- **C.** Unbuckle the chest clip.
- **D.** Unbuckle the buckle.



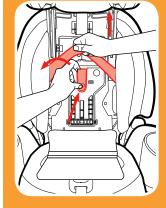
3 Forward Facing

**E.** Pull down the lower backrest pad to expose the SnugLock® Lock-Off.

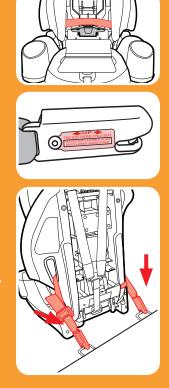
#### 10A. Open the SnugLock® Lock-Off

Move the UAS strap above the SnugLock® Lock-Off. Push the bottom of the release, then pull the top of the tab out. Open the SnugLock® Lock-Off.







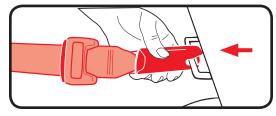


#### 11A. Route the UAS Belt

Place the UAS strap into the SnugLock® Lock-Off.

#### 12A. Attach UAS Connector to Vehicle's Lower UAS Anchors

Make sure that the red button faces away from the car seat and the arrows are pointing up. The UAS strap should not be twisted.



3 Forward Facing

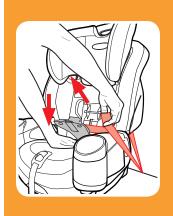
#### 13A. Tighten the UAS Strap

**Press down firmly** on the top of the base while pulling on the free end of the UAS strap to remove all the slack.

Do not pull on the strap with excessive force.

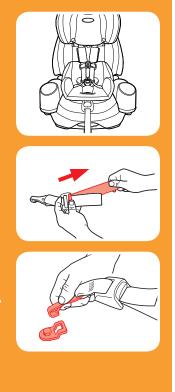


When the slack is removed, close and lock the SnugLock® Lock-Off. Make sure the UAS strap is under the SnugLock® Lock-Off.









#### 15A. Replace the Lower Backrest Pad

Move the headrest back to its proper position for your child.

#### 16A. Attach Top Tether Strap

Extend the top tether by pressing the grey button and pulling out on the strap and attach.

Consult vehicle's owner manual for specific location.

#### 17A. Tighten Top Tether Strap

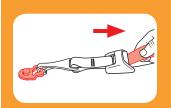
Remove all the slack.

#### 18A. Test For Tightness

Grab the sides of the seat where the UAS strap is and slide the car seat side-to-side and front-to-back.

If the seat moves less than 2.5 cm (1"), it is tight enough.

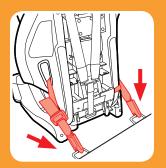
See section 5-A to secure your child.

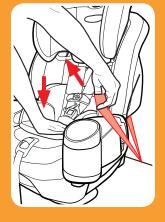






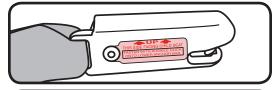
# Facing Facing





## Using Without the SnugLock® Lock-Off: 9B. Attach UAS Connector to Vehicle's Lower UAS Anchors.

Make sure that the red button faces away from the car seat and the arrows are pointing up. The UAS strap should not be twisted.





#### 10B. Tighten the UAS Strap

**Press down firmly** on the top of the base while pulling on the free end of the UAS strap to remove all the slack.

Do not pull on the strap with excessive force.

#### 11B. Attach Top Tether Strap

Extend the top tether by pressing the grey button and pulling out on the strap and attach.



Consult vehicle's owner manual for specific location.



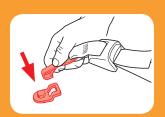
Remove all the slack.



Grab the sides of the seat where the UAS strap is and slide the car seat side-to-side and front-to-back.

If the seat moves less than 2.5 cm (1"), it is tight enough.

See section 5-A to secure your child.









#### *Is Everything Correct?*



## Car Seat Does Not Move More than 2.5 cm (1") at the Belt Path



## Harness Straps at or Just Above the Child's Shoulders.

Review section 5



#### **Chest Clip Even With Armpits**

Review section 5



### Cannot Pinch Harness Straps at the Shoulder

Review section 5

3 Forward Facing

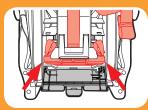
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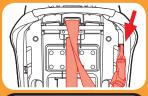
#### 3-C Install Forward-Facing Harness Mode with Vehicle Seat Belt and Top Tether

#### 1. Store UAS System in Storage Compartment

Open storage compartment and store UAS connectors and UAS strap. Close the UAS storage compartment door.

2. Unhook Top Tether Strap From Storage location and Lay It on the Seat













#### 3. Place Car Seat Forward-Facing in Back Seat of the Vehicle

Place forward-facing in vehicle seat. The bottom of the seat should sit as flat as possible on the vehicle seat.

## 4. Choose One of the Four Recline Positions

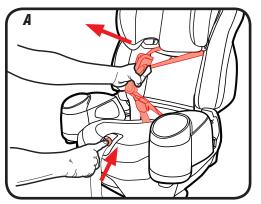
To recline, pull recline handle out and tilt the seat back. For upright position, pull recline handle out and push down on front of seat.

#### **Using With the SnugLock® Lock-Off:**

Skip to step 5-B if not using the SnugLock® Lock-Off.

#### 5A. Expose the SnugLock® Lock-Off

- A. Loosen the harness straps.
- **B.** Raise the headrest to the highest position.
- **C.** Unbuckle the chest clip.
- **D.** Unbuckle the buckle.



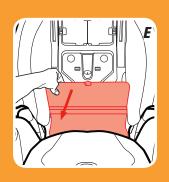


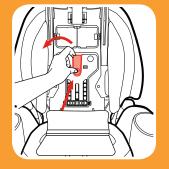












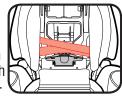
**E.** Pull down the lower backrest pad to expose the SnugLock® Lock-Off.

#### 6A. Open the SnugLock® Lock-Off

Push the bottom of the release, then pull the top of the tab out. Open the SnugLock® Lock-Off.

#### 7A. Route the Vehicle Seat Belt

Thread vehicle seat belt through the forward-facing belt path (marked with an orange label), through the SnugLock® Lock-Off, and out the other side. Buckle the seat be



side. Buckle the seat belt. The seat belt should lie as flat as possible and not be twisted.



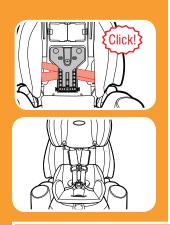
Press down firmly on the top of the base while pulling on the shoulder belt to remove the slack.

Do not pull on the strap with excessive force.









## 9A. Close and Lock the SnugLock® Lock-Off

When the slack is removed, close and lock the SnugLock® Lock-Off. Make sure both lap and shoulder belt are under the SnugLock® Lock-Off.

#### 10A. Replace the Lower Backrest Pad

Move the headrest back to its proper position for your child.

#### Review your vehicle's owner manual for vehicle seat belt use



## Using Without the SnugLock® Lock-Off: 5B. Route the Vehicle Seat Belt

Thread vehicle seat belt through the forward-facing belt path (marked with an orange label) and out the other side. Buckle it. The seat belt should lie as flat as possible and not be twisted.

#### 6B. Lock the Vehicle Seat Belt

In most vehicles today, slowly pull the shoulder belt all the way out and then let it go back in. You will hear a clicking sound. Slowly pull out on the belt and it should be locked. If not, review your car's owner manual and section 7-D.

#### 7B. Tighten the Vehicle Seat Belt

Press down firmly on the top of the base while pulling on the shoulder belt to remove the slack.

Do not pull on the strap with excessive force.

After step 7B, continue with step 10 on the next page.













#### 10. Attach Top Tether Strap

Extend the top tether by pressing the grey button and pulling out on the strap and attach.



Consult vehicle's owner manual for specific location.

#### 11. Tighten Top Tether Strap

Remove all the slack.

#### 12. Test For Tightness

Grab the sides of the seat where the vehicle seat belt is and slide the car seat side-to-side and front-to-back.

If the seat moves less than 2.5 cm (1"), it is tight enough.

See section 5-A to secure your child.

3 Forward Facing

#### Is Everything Correct?

## Car Seat Does Not Move More than 2.5 cm (1") at the Belt Path

Harness Straps at or Just Above the Child's Shoulders.

Review section 5

Chest Clip Even With Armpits

Review section 5

Cannot Pinch Harness Straps at the Shoulder

Review section 5













#### **4-A Booster Use**

#### Vehicle Lap/Shoulder Seat Belt







Highback Booster Use, With or Without Armrests: 18-45 kg (40-100 lb) 110-145 cm (43"-57") at least 4 years old\*

Booster Use Without Back: 18-45 kg (40-100 lb) 110-145 cm (43"-57") at least 4 years old\*

Booster Use Without Back Without Armrests: 18-54 kg (40-120 lb) 110-145 cm (43"-57") at least 4 years old\*

- Place booster seat forward-facing in the vehicle back seat.
- Make sure vehicle seat's lap belt is adjusted snugly and lays low on the child's hip and is routed behind the armrest in the booster's belt path.
- Vehicle belts MUST lie flat against child and MUST NOT be twisted.
- Vehicle seat's shoulder belt is adjusted snugly and should lie between child's neck and edge of shoulder
- Booster seat MUST be in the most upright position.

**56** 

- Never use a vehicle lap-only belt across front of child.
- DO NOT position vehicle shoulder belt under the child's arm or back.
- DO NOT allow child to slouch or slide down in the booster seat.
- **DO NOT** position vehicle belt over top of armrests.
- Vehicle's seat headrest SHOULD NOT create a gap between vehicle seat and booster seat.
- The front of booster seat MUST NOT hang over front of vehicle seat.
- If child will not keep vehicle belt properly positioned, **DO NOT** use this booster seat. Use a car seat with a 5-point harness system.
- \* Experts recommend that children should use a built-in harness system car seat for as long as possible until they reach the maximum forward-facing weight or height for their car seat. After reaching the maximum forward-facing weight or height, they also recommend that children 145 cm (4 feet 9 inches) tall or under should ride in a belt-positioning booster seat. This car seat can remain forward-facing using the built-in harness system for children up to 30 kg (65 lb) or 125 cm (49").



#### Never Use a Vehicle Lap-Only Belt Across Front of Child











#### **4-B Install Highback Booster**



#### 1. Store The Harness System



Push down on the harness release lever while pulling out on the harness straps.



#### B. Unbuckle the chest clip



C. Unbuckle the buckle

#### D. Remove Harness Covers

Store for future use.

#### E. Remove Lower Backrest Pad

Pull down on the lower backrest pad from the top and unsnap the lower snaps.

Remove the lower portion by unhooking the snaps in the corners of the pad.









## 4 Booster





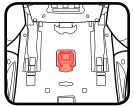


#### F. Unsnap the Seat Base Pad

Unsnap both sides of the seat base pad. On select models, you will need to detach the two straps on the back of the seat.

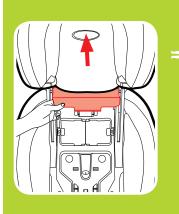
#### G. Store the Buckle

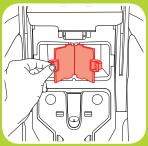
Lift base pad up and pull the buckle through the pad and store the buckle as shown.



#### H. Pull Up Upper Backrest Pad to Expose the Harness Storage Location

#### I. Open Storage Doors











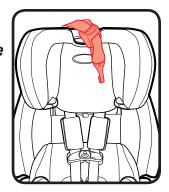


#### J. Place Harness, Chest Clip and Buckle Tongues Inside Storage Compartment and Close the Door

#### K. Replace the Seat Pads

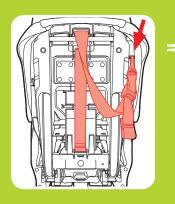
Replace both the upper and lower backrest pads. Resnap the seat base pad. On select models, you will need to reattach the 2 elastic straps to the back of the seat.

#### 2. Unhook Top Tether Strap From Storage location and Lay it on the Seat





Pull the recline handle out and push down on front of seat. Put the booster seat in the most upright position.





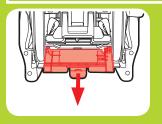


Graco allows the securing of the booster seat with UAS in the booster mode, only if the vehicle manufacurer allows it. The child still **MUST BE SECURED** with the vehicle lap/shoulder seat belt.
UAS can be used in the booster mode regardless of the weight of the child up to 45 kg (100 lb).
Verify the following before using UAS in the booster mode:

 The UAS connectors **DO NOT** interfere with any vehicle seat belts or buckles.
 If the UAS interferes with the vehicle seat belts or

if the chosen seating position does not have UAS, you MUST store the UAS strap. Store the UAS strap by placing UAS strap and connectors in storage compartment. Store the top tether strap as shown. Always secure car seat with UAS or a vehicle seat belt, even when unoccupied. In a crash, an unsecured car seat can injure

#### Skip to Step 14 if Not Using UAS



passengers.

#### 4. Open the UAS Storage Door

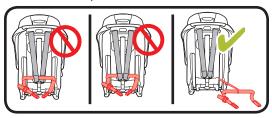
## √ 4 Booster

## 5. Take the UAS System Out of the Storage Compartment

Do not remove the UAS system from the car seat.

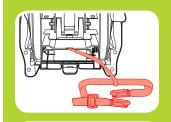
#### 6. Close the UAS Storage Door

Do not let the UAS strap interfere with the harness straps.



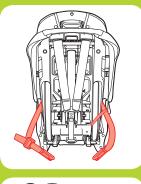
## 7. Thread the UAS System Into the Forward-Facing Belt Path

From the right side of the seat, thread the UAS connector closest to the adjuster through the forward-facing belt path marked with an orange label as shown.



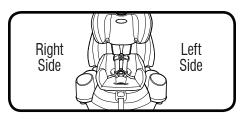












#### 8. Place Car Seat Forward-Facing in Back Seat of the Vehicle

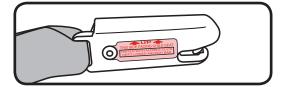
Place forward-facing in vehicle seat. The bottom of the seat should sit as flat as possible on the vehicle seat.

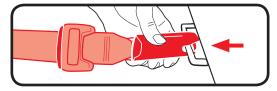
#### 9. Extend the UAS Strap

For easier installation, extend the UAS strap to its maximum length by pressing the grey button and pull out on the strap.

#### 10. Attach UAS Connectors to Vehicle's Lower UAS Anchors

Make sure that the red button faces away from the car seat and the arrows are pointing up. The UAS strap should not be twisted.

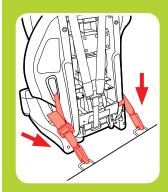


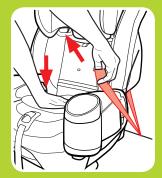


#### 11. Tighten the UAS Strap

**Press down firmly** on the top of the base while pulling on the free end of the UAS strap to remove all the slack.

Do not pull on the strap with excessive force.















#### 12. Attach Top Tether Strap

Extend the top tether by pressing the grey button and pulling out on the strap and attach.

Consult vehicle's owner manual for specific location.

#### 13. Tighten Top Tether Strap

Remove all the slack.

#### 14. Thread the Vehicle Seat Shoulder Belt Through Seat Belt Guide on the Headrest

See section 5-B to secure your child.

#### **4-C Install Backless Booster**

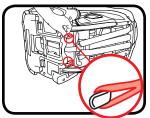
#### 1. Remove the Seat Back

**A.** With the harness system loose, from the back of the seat, remove the harness straps from the splitter plate as shown.

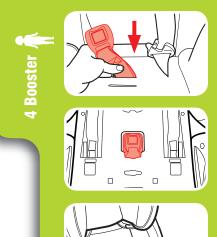


B. Unsnap seat base pad and pull forward to expose the seat base.
Undo elastic straps on

select models.



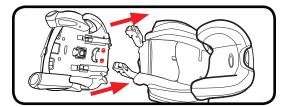




**C.** Push the buckle through the pad and store.

**D.** Release the back support by pulling the seat base pad forward to expose the seat base. Slide the 2 buttons towards the seat back and lower the seat back into a flat position.

**E.** Squeeze the 2 buttons together and slide backrest out of the base.



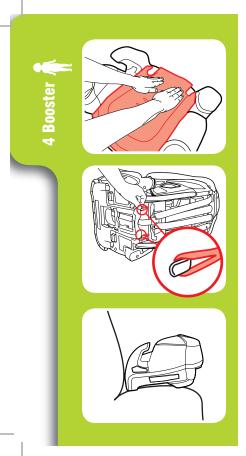
**E** Store the splitter plate on the base of the seat.

**G.** Pull on the adjustment strap on the front of the seat to lock the splitter plate into place.









#### H. Replace the Seat Pads

Resnap the seat base pad. On select models, attach the elastic straps at the back of the seat.

#### 3. Place the Booster Seat Forward-Facing in the Back Seat of Vehicle

Place forward-facing on a vehicle seat that has a lap/shoulder seat belt. Pull recline handle out and push down on front of seat. Put booster seat in the most upright position. The base should sit as flat as possible on the vehicle seat.

See section 5-C to secure your child.

WARNING! In cold weather, do not put snowsuits or bulky garments on your child when placing them in the car seat. Bulky clothing can prevent the harness straps from being tightened properly. To keep child warm, buckle your child in the car seat and place a blanket around the child or place the child's coat on backwards after buckling in.



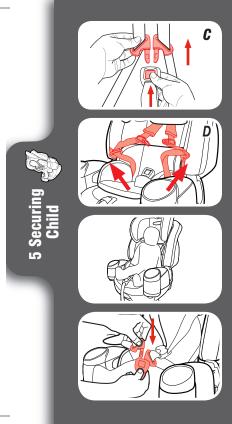
## 5-A Securing Child Forward-Facing Harness Mode

#### 1. Loosen Harness Straps

- (A) Push down on the harness release lever while pulling out on the harness straps at the chest clip.
- **(B)** Unbuckle the chest clip and the buckle strap.







**(C)** Place harness straps off to the sides.

**(D)** On select models, place buckle tongues in buckle storage pocket.

#### 2. Place Your Child in the Seat

Make sure their back is flat against the car seat back.

#### 3. Place Harness Straps Over Child's Shoulders and Buckle

You will hear a "click" when buckle tongues are securely attached. Pull up on each buckle tongue to make sure it is securely attached.

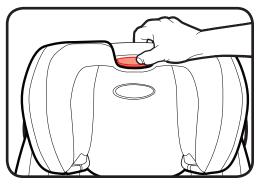
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#### 4. Be Sure the Harness Straps Are at the Proper Height

Forward-Facing harness mode: Harness straps must be at or just above the child's shoulders and top of child's ears must be below top of headrest.

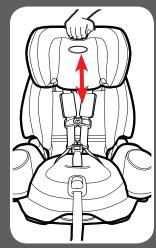
#### 5. To Raise or Lower Headrest/Harness

Press the adjustment button and lift or lower headrest for the proper harness height.





Forward-Facing Harness Mode













#### 6. Check the Buckle Position

The correct slot the one that is closest to your child without being underneath your child.

#### 7. To Adjust the Buckle Strap

From bottom of car seat, rotate metal retainer to side in order to push it through slot easier.

8. Pull buckle strap from child restraint as shown.

#### 9. Insert Metal Retainer in the New Buckle Strap Slot

Reach underneath the car seat and pull the metal retainer through.

#### 10. Pull Up on Buckle Strap to Make Sure it is Secured

#### 11. Buckle the Chest Clip

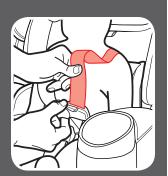
You will hear a "click" when the chest clip is securely buckled.



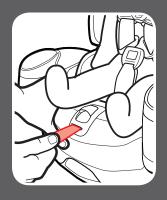


5 Securing Child









### 12. Pull All the Slack Out From Around the Waist

Pull up on the harness strap while pushing the chest clip down. Do this to both sides.

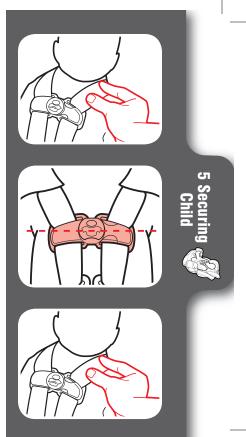
#### 13. Tighten the Harness by Pulling the Harness Adjustment Strap

When you are not able to pinch any of the harness webbing at your child's shoulder, the harness is tight enough.

A snug harness should not allow any slack. It lies in a relatively straight line without sagging. It does not press on the child's flesh or push the child's body into an unnatural position.

#### 14. Raise the Chest Clip to Child's Armpit Level

#### 15. Check Tightness Again, Tighten More if Needed



#### **5-B Securing Child Highback Booster**





#### **AWARNING!**

Use only the vehicle lap and shoulder belt system when restraining the child in the booster seat.

#### 1. Place Child In Seat

Have your child sit in the booster seat, with his/her back flat against the back of the booster seat.

2. Thread Vehicle's Shoulder Belt Into Seat Belt Guide in the Headrest



5 Securing Child

#### 3. Buckle the Vehicle Lap/Shoulder Seat Belt

Pull up on the shoulder belt to remove all the slack. Be sure the lap portion of the vehicle seat belt goes behind the armrests.

Be sure the lap portion of the vehicle seat belt lies low across your child's hips.

Be sure the shoulder belt lies across your child's shoulders, between the neck and edge of shoulder. The belt guides should be even with or just above the shoulders.









#### Is Everything Correct?



#### **Never Use Lap Belt Only**







Lap Belt Behind Armrest and Lies Low Across Hips and Thighs

Shoulder Belt Lies On the Shoulder, Between the Neck and Edge of Shoulders

## 5 Securing ( Child

#### **5-C Securing Child Backless Booster**

#### **AWARNING!**

Use only the vehicle lap and shoulder belt system when restraining the child in the booster seat.

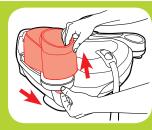
1. To Use This Backless Booster For Children Over 45 kg (100 lb), You May Remove the Armrests

To remove the armrests, slide the button out and remove armrest. Reverse steps to replace armrests.

2. Place Child In Seat

Have your child sit in the booster seat, with his/her back flat against the back of the vehicle seat.

3. Ears Must Be Below the Top of the Vehicle Seat Back or Headrest









#### 4. Buckle the Vehicle Lap/Shoulder Seat Belt

Pull up on the shoulder belt to remove all the slack. Be sure the lap portion of the vehicle seat belt goes behind the armrests.

Be sure the lap portion of the vehicle seat belt lies low across your child's hips.





Be sure the shoulder belt lies across your child's shoulders, between the neck and edge of shoulder.

You may need to use the belt positioning clip to help get a good fit.

### 5 Securing Child

#### Is Everything Correct?

#### Never Use Lap Belt Only

Lap Belt Behind Armrest and Lies Low Across Hips and Thighs

Shoulder Belt Lies On the Shoulder, Between the Neck and Edge of Shoulders







#### **Using Belt Positioning Clip**









#### 1. Make Sure Vehicle's Seat Shoulder Belt Lays in the Red Zone As Shown

If the vehicle's seat shoulder belt lays outside this zone, you **MUST** use the belt positioning clip.

#### 2. Attach Belt Positioning Clip

The shoulder belt positioning clip **MUST** be attached to the slot on the bottom of the base. Insert the loop end of strap through the slot on bottom of seat exactly where shown.

#### 3. Push Clip and Strap Through Loop

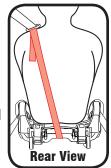
Pass the clip and the strap through the loop end as shown and pull strap up.

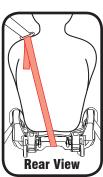


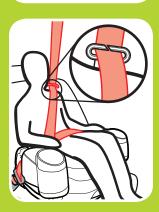
#### 4. Free End of Strap Should Face Front of Seat

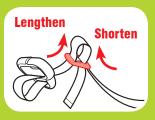


With child's back flat against the back of the vehicle seat, buckle child in. Then slide the clip onto the vehicle's seat shoulder belt as shown.















#### 6. Adjust the Belt Positioning Clip to Fit Your Child

Lengthen or shorten the belt length as shown.

Clip should fit just above the top of shoulder as shown.

Pull up on the shoulder belt to remove all the slack. Be sure the lap portion of the vehicle seat belt goes behind the armrests.

#### **6-A Accessories** (on select models)

#### Harness Covers

Make sure that harness covers do not interfere with placement of the chest clip at armpit level.

To remove, undo the fastening strips and remove.

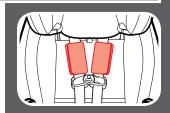
#### **Buckle Cover**

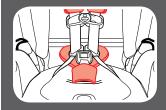
To remove, unclip the buckle and slide cover over buckle.

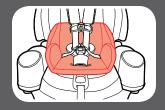
#### **Body Support**

Body support must be used if shoulders are below the lowest harness setting.

Never allow body support to bunch or fold behind child.











### 7-A How to Remove UAS and Top Tether







#### UAS

To remove the UAS from the lower anchors, push in on the buttons and pull them off.

#### Top Tether

To remove, press the grey button and pull out on the strap to release the tension.

Press in on the hook's spring. Push tether hook in, then lift up and pull away from tether anchor.

### 7-B Choosing Vehicle Seat Location



Review your vehicle's owner manual for Seating Locations

#### The best seating location for this car seat is one that:

- Is recommended by your vehicle owner's manual, and
- Results in a secure installation of this car seat

In the event there is no available back seat and / or you have no other option than to place a child other than in a front passenger seating position, experts recommend that you take the following steps:

- Ensure the child is properly restrained according to their age and size
- Move the seat as far back as possible
- Make sure the child is not leaning out of position, such as leaning forward into the deployment path of the air bag
- Set the air bag ON-OFF switch, if available, to the OFF position
- Check your provincial laws





### 7-C Unsafe Vehicle Seat Location

Never install this car seat in any of the following vehicle seating locations:





rear-facing or sidefacing vehicle seats







booster mode with vehicle lap belt only seat belt

#### **7-D Vehicle Seat Belts**



#### Review your vehicle's owner manual for vehicle seat belt use

This car seat can be installed using a vehicle seat belt. To do this, you will need to change the seat belt to a locked mode for use with car seats. With some vehicle seat belts, this is done with the latch plate; with other vehicle seat belts, this is done with the retractor.

#### Vehicle Seat Belt Terms

#### Retractor

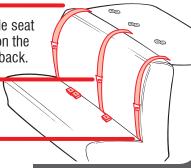
A device that winds up the unused vehicle seat belt. It is often hidden inside the panels on the walls of the vehicle or in the vehicle seatback.

#### Latch Plate

The male end of the seat belt with the silver tongue.

#### Seat Bight

The crease where the vehicle seat back and seat bottom meet.



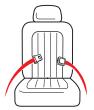
#### **Identify Your Seat Belt Type**

There are two different types of vehicle seat belts that can be used with this car seat:



**Lap/Shoulder Belt** 

3 connections points. Can be used in all car seat and booster modes of use.



Lap Belt Only 2 connection points. Can ONLY be used in harness mode.

The following types of vehicle seat belts **CANNOT** be used safely with this car seat:



Lap Belt with Motorized Shoulder Belt



Lap Belt or Shoulder Belt Mounted on Door

Belts Forward of the Seat Bight



Some vehicles you may not get a secure fit. Read both your vehicle and car seat manuals.

#### Lap/Shoulder Belt Installation



Always review your vehicle owner's manual for specific information about your vehicle seat belts.

There are three types of retractors: **ELR (Emergency Locking Retractor)**, **ALR (Automatic Locking Retractor)**, and **Switchable (ELR switch to ALR)**. To determine your type of retractor, follow these steps:

- 1. **Slowly** pull the belt out about halfway and stop.
- 2. Let the belt retract back several inches.
- 3. Try to **slowly** pull the belt out more. If the belt cannot be pulled any further, it is **ALR**. If it can be pulled further, go to the next step.
- 4. **Slowly** pull the belt all the way out, and then allow it to retract several inches.
- 5. Try to pull the belt all the way out again. If it cannot be pulled out, it is **Switchable**. If it can still be pulled out freely, it is **ELR**.

**Note:** Most vehicles manufactured after 1996 will have Switchable retractors in the back seat. If you have any questions about your retractor type, consult your vehicle owner's manual or call Graco for assistance.





#### How to Lock Your Lap and Shoulder Vehicle Seat Belt







#### Sliding Latch Plate and Switchable Retractor

A Latch plate that slides freely on the belt webbing and cannot, by itself, hold the belt snug around a car seat.

When installing the car seat and NOT using the SnugLock® system, route the vehicle seat belt through the proper belt path and buckle it in.

Slowly pull the shoulder belt all the way out to switch it to locking mode. Then, as you pull the vehicle seat belt tight, feed all the slack back into the retractor.

Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 2.5 cm (1").

#### Locking Latch Plate and ELR Retractor

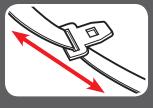
A latch plate that holds the lap belt snug after it has been adjusted; contains a metal bar on the underside of the hardware that "locks" the belt in position.

When installing the car seat, route the vehicle seat belt through the proper belt path and buckle it in. Then, pull upwards on the shoulder belt so that the lap belt gets tight around the car seat.

Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 2.5 cm (1").



7 Vehicle Information







#### Sliding Latch Plate and ALR Retractor

A latch plate that slides freely on the belt webbing and cannot, by itself, hold the belt snug around a car seat.

**Slowly pull the shoulder belt all the way out.** Route the vehicle seat belt through the proper belt path and buckle it in. Then, as you pull the vehicle seat belt tight, feed all the slack back into the retractor.

Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 2.5 cm (1").

**Note:** If using the lock-off, you do not need to switch the retractor.

#### Sliding Latch Plate and ELR Retractor

A latch plate that slides freely on the belt webbing and cannot, by itself, hold the belt snug around a car seat.

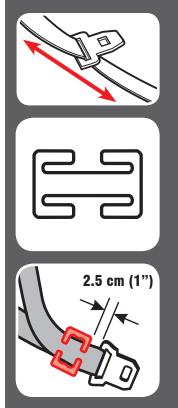
With this retractor, you will need to use the locking clip to lock the vehicle seat belt.

Call us at 1-800-345-4109 to order a locking clip.

Route the vehicle seat belt through the proper belt path and buckle it in. Pull the vehicle seat belt tight. While pushing down on seat, pinch the two straps together behind the buckle tongue. Unbuckle the belt without allowing it to slip.

Attach locking clip to lap and shoulder belts as shown.

Rebuckle belt. Check that lap belt does not move by pulling hard. If belt loosens or lengthens, repeat procedure.



#### Lap Belt Installation - DO NOT use in Booster Mode

Always review your vehicle owner's manual for specific information about your vehicle seat belts.



Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 2.5 cm (1").



#### Locking Latch Plate and No Retractor

When installing the car seat, route the lap seat belt through the proper path and buckle it in. Then, pull upwards on the tail of the belt so that the lap belt gets tight around the car seat.

#### Sewn On Latch Plate and ALR

Slowly pull the lap belt all the way out. Route the vehicle seat lap belt through the proper belt path and buckle it in. Then, pull the lap belt tight while feeding all the slack back into the retractor.

**Note:** If you use the lock-off, you do not need a locking clip.

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#### **8-A Cleaning Cover**

Refer to seat pad care tag for washing instructions

#### Headrest Pad

Clean with a damp sponge using mild soap and cool water. If needed, the headrest pad may be removed for cleaning.

To remove, unhook elastic loops and snaps from headrest as shown.

Remove headrest pad.

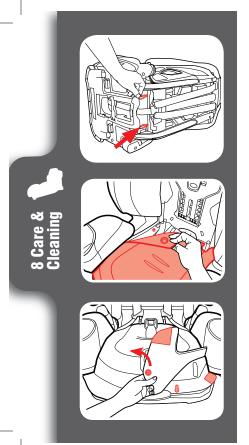
Machine wash pad in cold water on delicate cycle and drip-dry. DO NOT USE BLEACH.

Reverse the steps to reattach the pad on the headrest.









#### Seat Base Pad

Clean with a damp sponge using mild soap and cool water. If needed, seat pad may be removed for cleaning.

To remove base pad, unhook the elastic loops from back.

From the top, undo the fastening strips and unsnap the snaps.

From the front, pull down on the corners and pull down on the tap to remove from keyhole. Pull base pad off base.

Machine wash pad in cold water on delicate cycle and drip-dry. DO NOT USE BLEACH.

Reverse the steps to reattach the seat base pad.

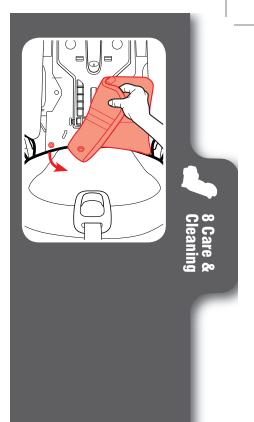
#### Lower Backrest Pad

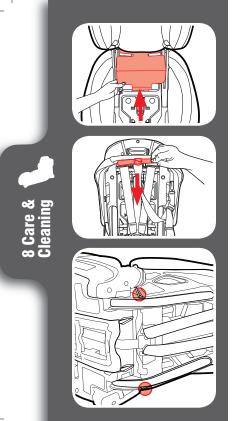
Clean with a damp sponge using mild soap and cool water. If needed, lower backrest pad may be removed for cleaning.

To remove lower backrest pad, pull the top of the pad off the seat back and undo both snaps and remove.

Machine wash pad in cold water on delicate cycle and drip-dry. DO NOT USE BLEACH.

Reverse the steps to replace the lower backrest pad.





#### **Upper Backrest and Side Pad**

Clean with a damp sponge using mild soap and cool water. If needed, bacckrest pad may be removed for cleaning.

To remove, from the front, pull upper backrest pad out of backrest. From the back, pull the plastic tab from the back of the backrest.

Undo both elastic straps from the sides.

From the top, pull the pad off of the shell.

Machine wash pad in cold water on delicate cycle and drip-dry. DO NOT USE BLEACH.

Reverse the steps to reattach the upper backrest and side pad.



#### 8-B Cleaning Buckle Strap

From bottom of car seat, rotate metal retainer to side in order to push it through slot easier. Pull buckle strap from child restraint as shown.

To clean buckle, place in a cup of warm water and gently agitate the buckle. Press the red button several times while in the water.

**DO NOT SUBMERGE THE BUCKLE STRAP.** DO NOT USE SOAPS, HOUSEHOLD DETERGENTS or LUBRICANTS

Shake out excess water and allow to air dry. Repeat steps as needed until it fastens with a click Re-insert the buckle into the same slot it. was removed. Pull up on buckle strap to make sure it is secured.

**WARNING!** Inspect and clean buckle from time to time to remove any objects or debris that could prevent latching.











### 8-C Cleaning Harness and UAS Straps

Surface wash only with mild soap and damp cloth. **DO NOT IMMERSE THE HARNESS STRAPS or UAS STRAP IN WATER** Doing so may weaken the straps.

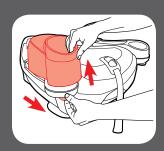
If harness straps or UAS belt are frayed or heavily soiled, contact Customer Service at www.gracobaby.ca or 1-800-345-4109.



#### 8-D Cleaning Removable Armrests

To remove the armrests, slide the button out and remove armrest. The armrests may be washed **ONLY** on the top rack of the diswasher.

To reattach: with the armrest's storage compartment facing in, slide the tab on the back of the armrest under the booster belt path and snap into place.





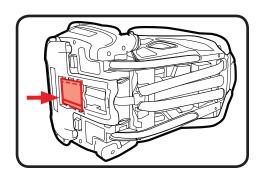


8 Care & Cleaning

#### **Replacement Parts**

To purchase parts or accessories in Canada, please contact us at the following:

# www.gracobaby.ca • gracoconsumercareca@newellco.com Or 1-800-345-4109





Store instruction manual in the slot with the instruction book icon as shown.