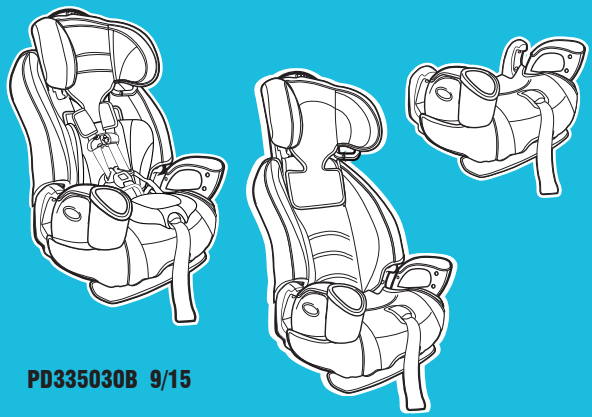
www.gracobaby.com

NAUTILUS 65 DLX

CHILD RESTRAINT/BOOSTER SEAT

Read This Instruction Manual



PD335030B 9/15

Do not install or use this child restraint until you read and understand the instructions in this manual.

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
- Car Seat's Useful Life
- Vehicle Seat Protection
- Warm Weather Use

1-E Safety Warnings

2 Features *Pages 26-31*

3 Forward-Facing *Pages 32-43*

3-A Forward-Facing Use
3-B Install Forward-Facing with LATCH Straps
3-C Install Forward-Facing with the Vehicle Seat Belt

4 Booster *Pages 44-57*

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

5 Securing Child *Pages 58-74*

5-A Securing Child 5-Point Harness
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7 Vehicle Information *Pages 77-87*

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

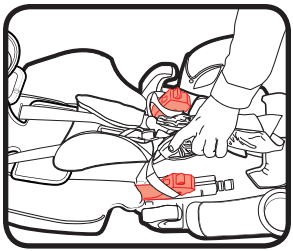
8 Care & Cleaning *Pages 88-91*

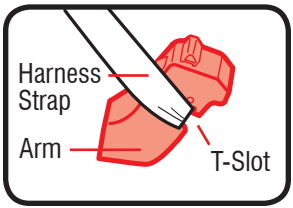
8-A Cleaning Seat Pad
8-B Cleaning Buckle Strap
8-C Cleaning Harness and LATCH Straps

1-A Quick Guide to Your Manual

This car seat is for children: ***Forward-Facing: 22-65 lb (10-30 kg)***
Booster: 30-120 lb (14-54 kg)

Car Seat Assembly *(On Select Models)*





Adult Assembly Required

1. Lay child restraint flat on back

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

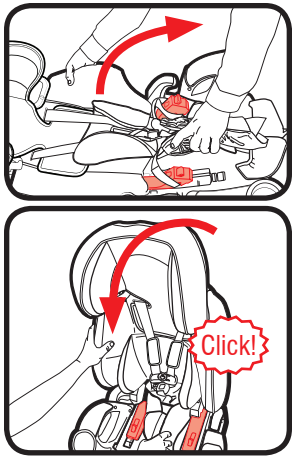
Make Sure all hands, fingers and other objects are clear of the gutters.

2. Attach Harness Straps

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

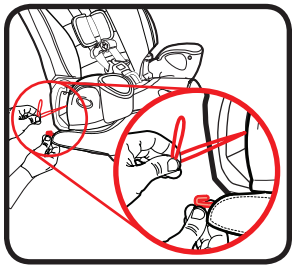
3. Raise Seat Back

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.

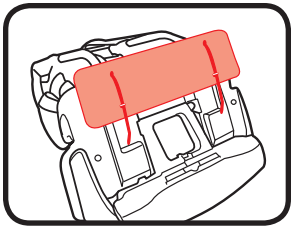


4. Attach Seat Pad Side Loops

Pull elastic loop on the seat pad through the vehicle belt guide on side of seat and attach to hook as shown. Repeat on other side.

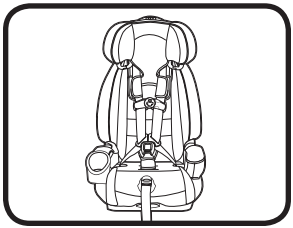


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5. Remove Zip Ties

From the bottom of the seat, cut the zip ties off. Remove the zip ties and card board.



6. 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 center 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 accident statistics, the safest place for your child in any vehicle is the back seat. The center 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 LATCH system. Both are equally safe to use. DO NOT USE BOTH AT THE SAME TIME.

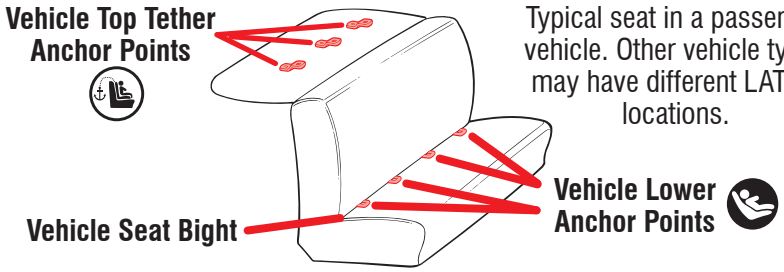
Vehicle Seat Belt: Review section 7 and your vehicle owner's manual to learn how to install your car seat with the vehicle seat belts.

LATCH: The LATCH 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 LATCH system, although some manufacturers began including LATCH earlier. Some vehicle owner manuals use the term ISOFIX to identify the LATCH system.

What is LATCH?

LATCH 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. 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.



Typical seat in a passenger vehicle. Other vehicle types may have different LATCH locations.

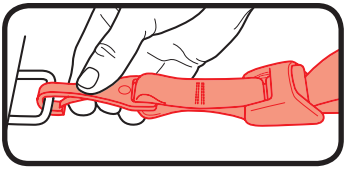
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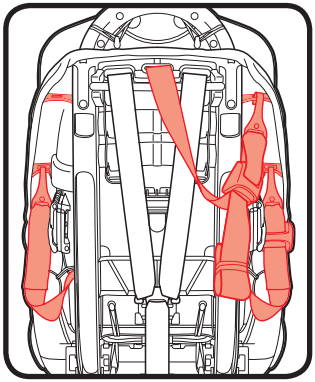
When Installing Forward-Facing

LATCH System

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

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

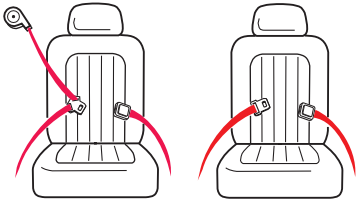




Vehicle Seat Belt

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.

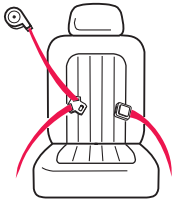


When Installing As a Booster

Vehicle Seat Belt

Only use the Lap/Shoulder seat belt configuration.

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



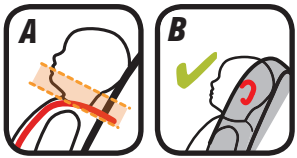


Does Your Car Seat Fit Your Child Correctly?

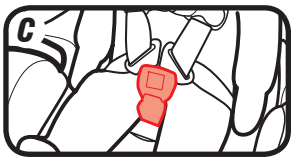
To make sure your child is secured properly, review section 3 and 4 to understand all of the actions you need to take to properly adjust the car seat to fit your child.

For Forward-Facing, You Need to Adjust:

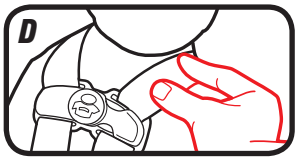
Harness Height, Forward-Facing (A)
Harness straps at or just above the child's shoulders and top of child's ears below top of headrest **(B)**. Review section 6.



Buckle Position (C)
The correct slot is the one that is closest to your child without being underneath them. Review section 6.

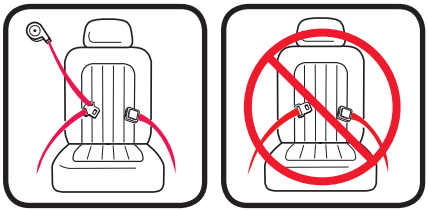


Harness Tightness (D)
If your fingers slide off the harness straps without pinching the straps, it is tight enough. Review section 6.



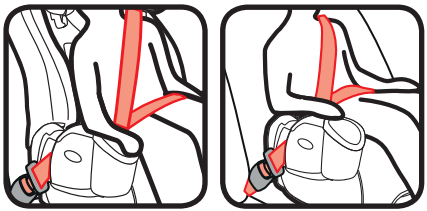
For Booster, You Need to Adjust:

Use Lap/Shoulder Belt Only



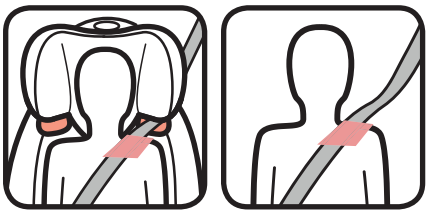
Position Lap Belt

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



Position Shoulder Belt

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



continue next page

Forward-Facing Installation

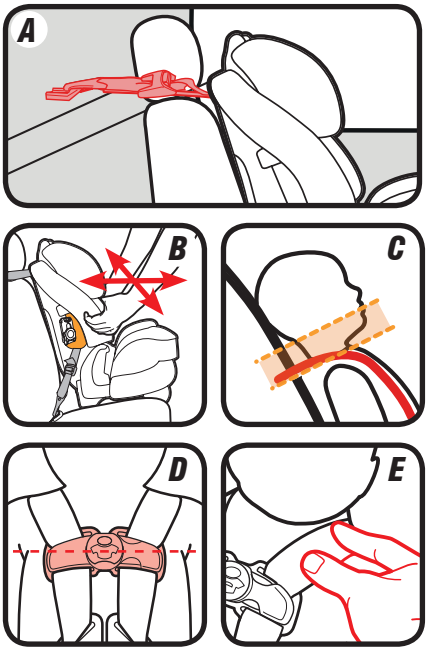
Use the top tether strap when using forward-facing (A)
When used properly, the top tether helps reduce injury in a sudden stop or crash.
Review section 4

Car Seat Does Not Move More than 1" (2.5 cm) at the Belt Path (B)
Review section 4

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

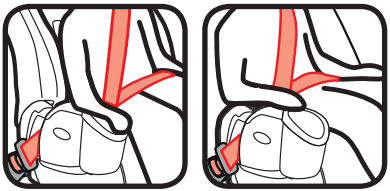


Booster Installation

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 Height and Weight Guidelines

22 lb (10 kg)	30 lb (14 kg)	40 lb (18.1 kg)	65 lb (30 kg)	100 lb (45 kg)	120 lb (54 kg)

Forward-Facing with 5-Point Harness 22-30 lb (10-14 kg) and can sit upright unassisted **MUST** be forward facing. 30-65 lb (14-30 kg) **SHOULD** be forward-facing with 5-point harness.

High Back Booster Mode with Vehicle Lap/ Shoulder Seat Belt 30-65 lb (14-30 kg) **CAN** be in high back booster mode. Over 65 lb (30 kg) **MUST** be in booster mode.

Backless Booster Mode with Vehicle Lap/ Shoulder Seat Belt 40-65 lb (18.1-30 kg) **CAN** be in booster mode. Over 65 lb (30 kg) **MUST** be in booster mode.

continue next page

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.com/carseatregistration.**

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:

Graco Children's Products, Inc.
Attn: Customer Service
P.O. Box 169, Elverson, PA 19520-9901

or register online at www.gracobaby.com/carseatregistration
or call 1-800-345-4109

For recall information, call the U.S. Government's Vehicle Safety Hotline at 1-888-327-4236
(TTY: 1–800–424–9153), or go to http://www.NHTSA.gov.

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

In the U.S.A, 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 side of your car seat.

For additional resources or to get your car seat checked by a child passenger safety technician, please visit the following web sites:

www.nhtsa.gov • www.seatcheck.org • www.safekids.org

Certification

This child restraint meets or exceeds all applicable requirements of Federal Motor Vehicle Safety Standard 213 for use in motor vehicles.



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.



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.

⚠WARNING!

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.

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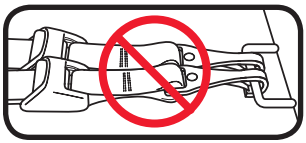
- **Review your vehicle owner's manual for more information about air bags and car seat use.**
- **If your vehicle does not have a back seat, review your vehicle owner's manual.**
- **Select a suitable location for the car seat in your vehicle.**
- **Secure car seat with a vehicle seat belt or LATCH 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.**
- **Always secure car seat with LATCH 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. Their use could alter the performance of the car seat.**

! **DO NOT remove LATCH system from car seat. If using vehicle seat belt to secure car seat, LATCH hooks must be stored.**

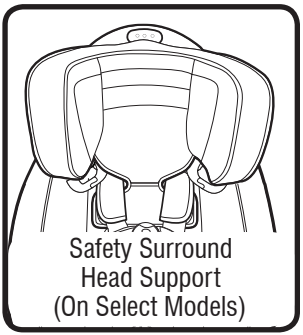
! **Never leave child unattended, even when sleeping. Child may become tangled in harness straps and suffocate or strangle.**



! **Never attach two LATCH hooks to one vehicle lower anchor point unless specifically allowed by the vehicle manufacturer.**

! **Do not use both the vehicle seat belt and LATCH strap at the same time when using the car seat with 5-point harness.**

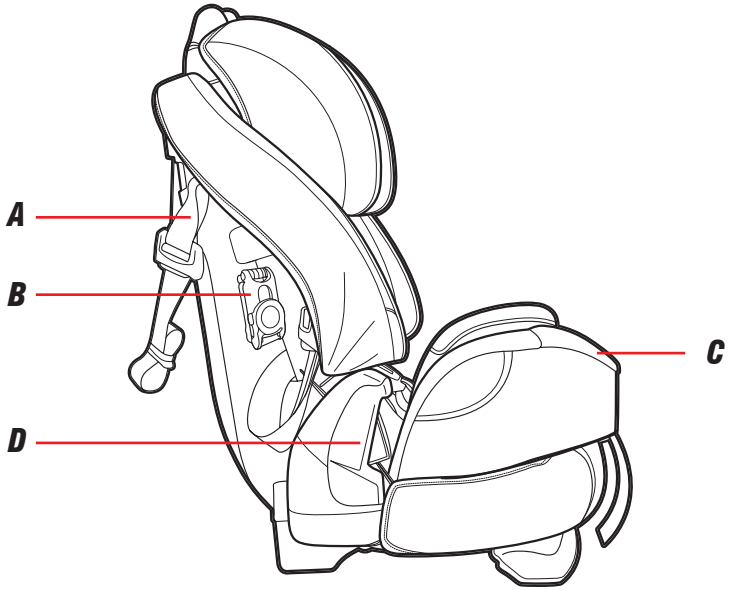
2-A Car Seat Features



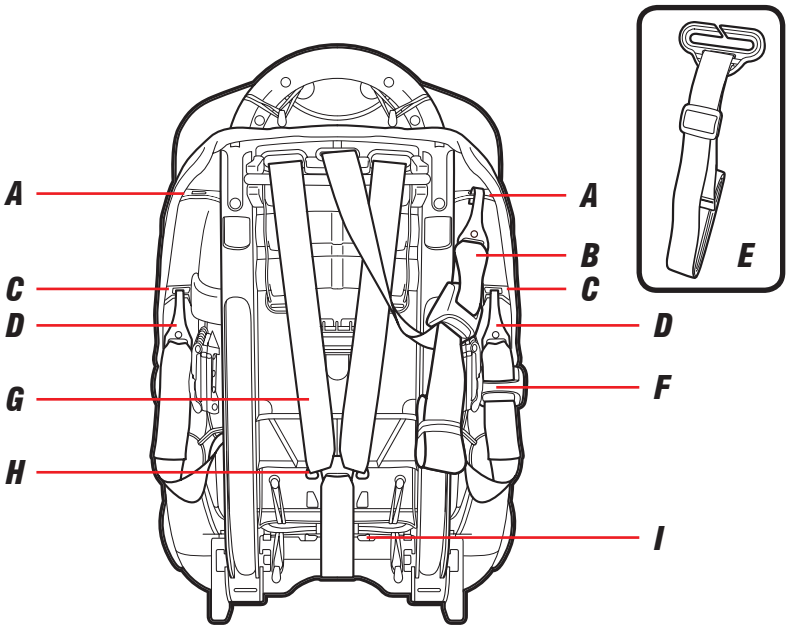
Safety Surround
Head Support
(On Select Models)

- **A** Height Adjust Button
- **B** Head Support
- **C** Shoulder Belt Guide
- **D** Harness Strap
- **E** Harness Covers
- **F** Chest Clip
- **G** Body Support (On Select Models)
- **H** Harness Buckle
- **I** Buckle Strap
- **J** Storage Compartment (One on Each Side)
- **K** Harness Adjuster Lever
- **L** Recline Handle
- **M** Recline Foot
- **N** Harness Adjustment Strap



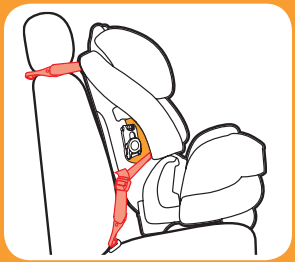

A
B
C
D

A Tether Strap
B Belt Lockoff
C Cup Holder
D Vehicle Belt Guide


A
C
D
G
H
A
B
C
D
F
I
E

- ***A Tether Storage Bar***
- ***B Tether Strap***
- ***C LATCH Storage Bar***
- ***D LATCH***
- ***E Belt Positioning Clip (Inset)***
- ***F LATCH Adjuster***
- ***G Harness Straps***
- ***H Splitter Plate***
- ***I Release Buttons***

3-A Forward-Facing Use



LATCH Strap with Top Tether Strap

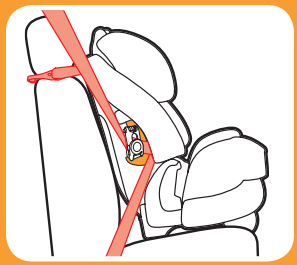
Do not install by this method for a child weighing more than 45 lb (20 kg)

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

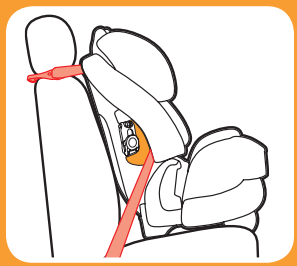
- Place car seat forward-facing in the vehicle back seat.
- Make sure LATCH strap or vehicle seat belt is routed through the forward-facing belt path marked with a orange label.
- Attach and tighten top tether strap. When used properly, the top tether helps reduce injury in a sudden stop or crash.
-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

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

The American Academy of Pediatrics (AAP) and NHTSA 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 65 lb (30 kg) and 49" (125 cm). Do not install by this method for a child weighing more than 45 lb (20 kg).



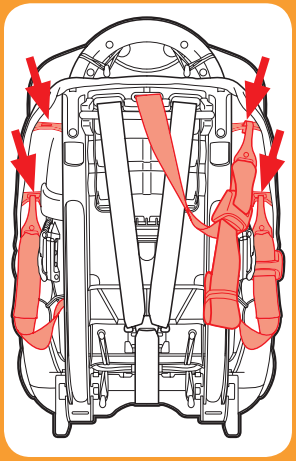
Vehicle Lap/Shoulder Belt with Top Tether Strap



Vehicle Seat Lap Belt with Top Tether Strap

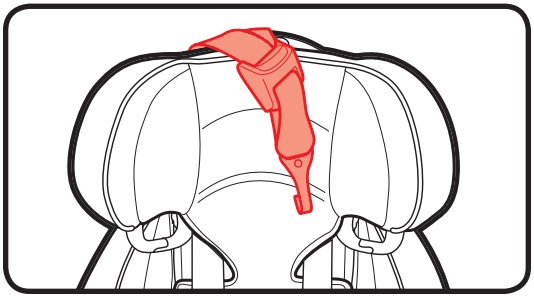
3-B Install Forward-Facing with LATCH Straps

Review your vehicle's owner manual for LATCH location and use. Do not install by this method for a child weighing more than 45 lb (20 kg)



1. Remove LATCH Hooks and Top Tether Straps from Storage Locations

Unhook tether and lay it in the seat.



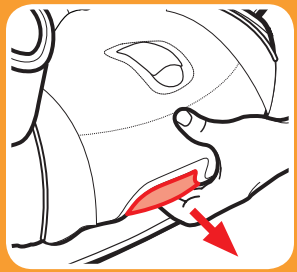
2. Place Car Seat Forward-Facing inBack Seat of the Vehicle

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



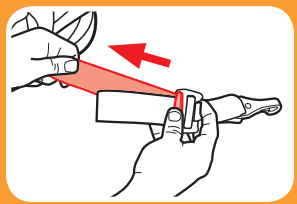
3. Choose One of the Three Recline Positions

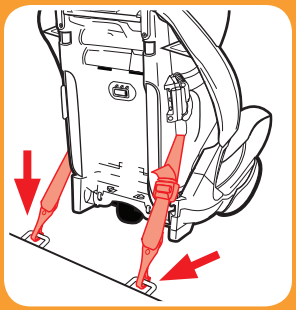
To recline, pull recline handle out and tilt the seat back. For upright position, pull recline handle out and push down on front of seat.

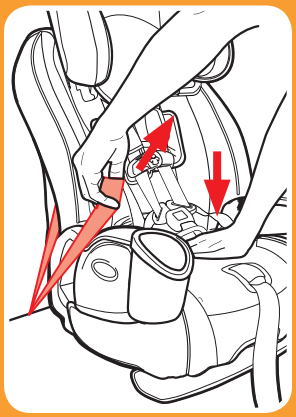


4. Extend the LATCH Strap.

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

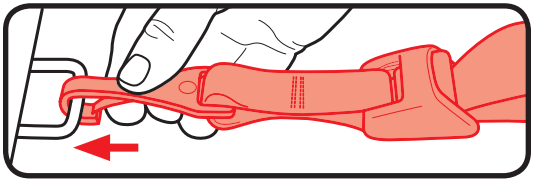






4. Attach LATCH Hooks to Vehicle's Lower LATCH Anchors.

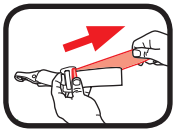
LATCH strap should not be twisted.



5. Tighten the LATCH Strap

Press down firmly in the center of the car seat while tightening the LATCH strap.

6. Attach Top Tether Strap



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

Consult vehicle's owner manual for specific location.

7. Tighten Top Tether Strap

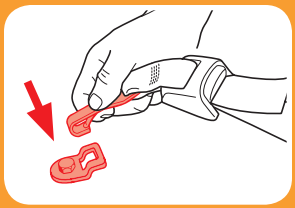
Remove all the slack.

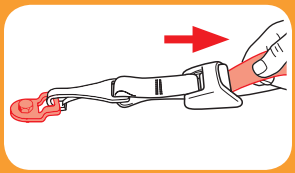
8. Test For Tightness

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

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

See section 5-A to secure your child.







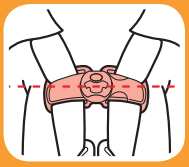
Is Everything Correct?



Car Seat Does Not Move More than 1” (2.5 cm) 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

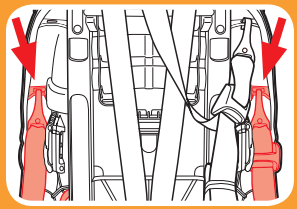


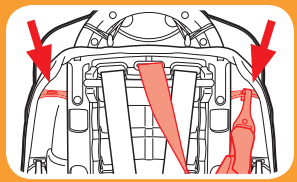
Cannot Pinch Harness Straps at the Shoulder
Review section 5

3-C Install Forward-Facing with Vehicle Seat Belt

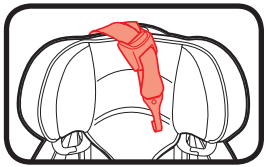
1. Store LATCH Strap

Attach LATCH hooks to the plastic bars as shown.





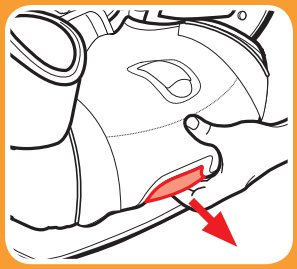
2. Unhook Top Tether Strap From Storage location and Lay it in the Seat



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.

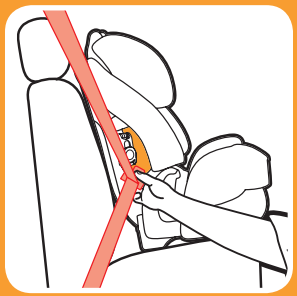




4. Choose One of the Three Recline Positions

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.

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



5. Route the Vehicle Seat Belt

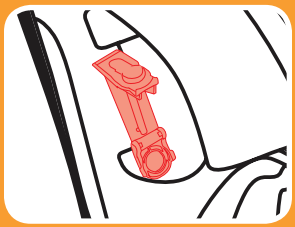
Thread vehicle seat belt through the forward-facing belt path (marked with a orange label) and out the other side. Buckle it. The seat belt should lie as flat as possible and not be twisted.

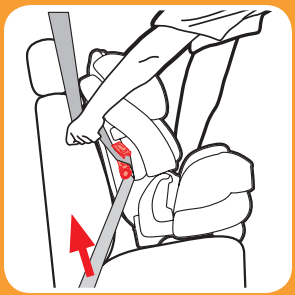
6. Open Lock Off

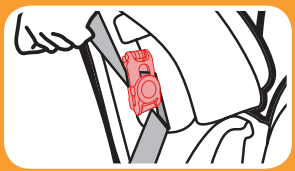
The open lock off that is on the opposite side of the vehicle buckle.

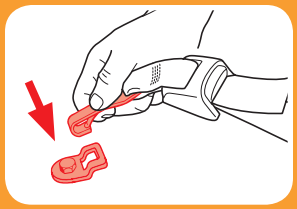
7. Tighten the Vehicle Seat Belt

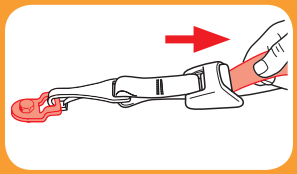
Press down firmly in the center of the car seat. Pull on the shoulder belt to tighten. Lay the shoulder belt inside the opened lock-off. When the belt is tight, close the lock-off.





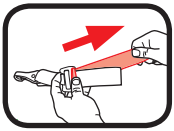








8. Attach Top Tether Strap



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.

9. Tighten Top Tether Strap

Remove all the slack.

10. 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 1" (2.5 cm), it is tight enough.

See section 5-A to secure your child.

Is Everything Correct?

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



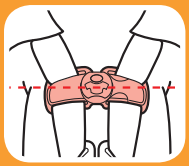
Harness Straps at or Just Above the Child’s Shoulders.

Review section 5



Chest Clip Even With Armpits

Review section 5

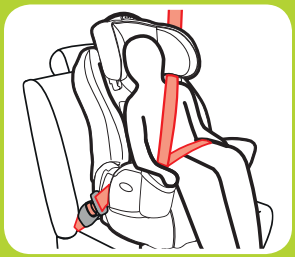


Cannot Pinch Harness Straps at the Shoulder

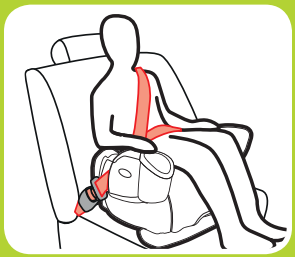
Review section 5



4-A Booster Use



Vehicle Lap/Shoulder Seat Belt



Vehicle Seat Lap/ Shoulder Belt

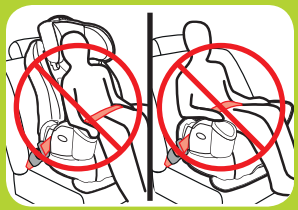
Booster Use With Back: 30-100 lb (14-45 kg) 38-57 in. (96-145 cm) at least 3 years old

Booster Use Without Back: 40-120 lb (18.1-54 kg) 43-57 in. (110.1-145 cm) at least 4 years old

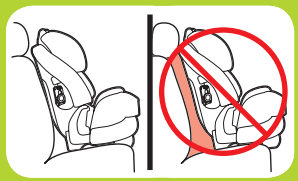
- Place car seat forward-facing in the vehicle back seat.
- Make sure vehicle seat's lap belt is adjusted snugly and lays low on the child's hip and is routed behind the armrest in the booster's belt path.
- Vehicle belts **MUST** lie flat against child and **MUST NOT** be twisted.
- Vehicle seat's shoulder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

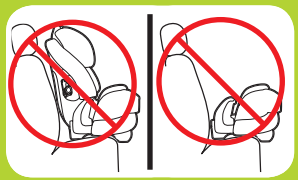
- **Never** use a vehicle lap-only belt across front of child.
- **DO NOT** position vehicle shoulder belt under the child's arm or back.
- **DO NOT** allow child to slouch or slide down in the booster seat.
- **DO NOT** position vehicle belt over top of armrests.
- Vehicle's seat headrest **SHOULD NOT** 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 different car seat.

The American Academy of Pediatrics (AAP) and NHTSA 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 65 lb (30 kg) and 49" (125 cm).

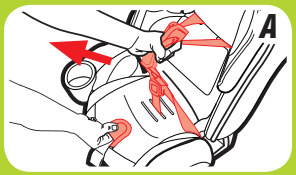


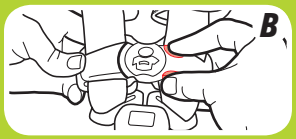
Never Use a Vehicle Lap-Only Belt Across Front of Child

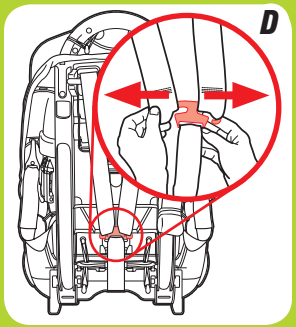




4-B Install Backed Booster





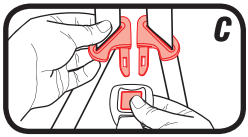


1. Store The Harness System

A. Loosen Harness Straps

(A) Lift up on the harness release lever while pulling out on the harness straps.

B. Unbuckle the chest clip and the buckle strap C.

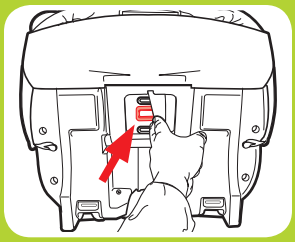


D. Remove Straps From Splitter Plate

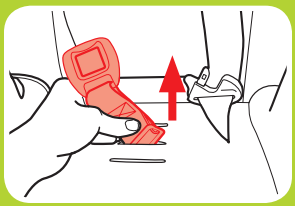
Face the rear of the seat and remove the belt straps from spliter plate as ahown.

E. Remove the Buckle Strap

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

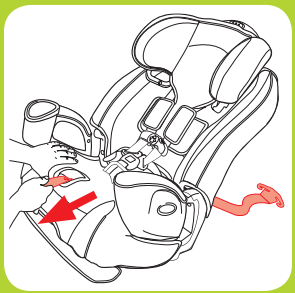


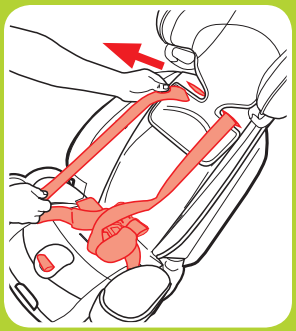
F. Pull buckle strap from child restraint as shown.

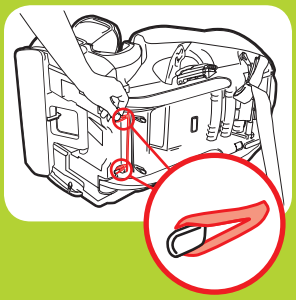


G. Lock Splitter Plate

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







H. Remove Harness Straps

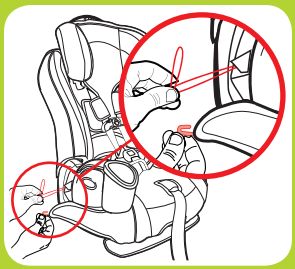
Grab hold of the shoulder straps and pull them out of their slots on the seat pad.

I. Detach Lower Seat Elastic Straps

On the rear of the seat, detach 2 lower seat pad elastic straps from hooks as shown.

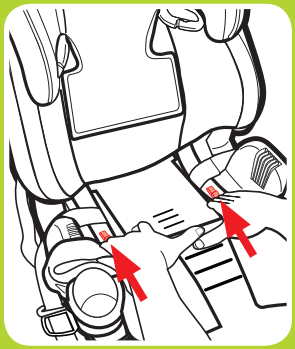
J. Detach Belt Guide Elastic Straps

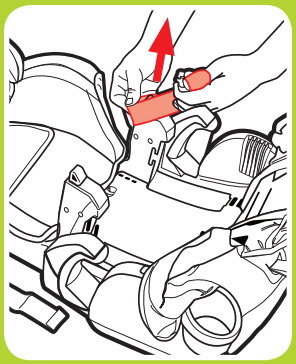
Also detach the elastic straps that are threaded through the vehicle belt guides on the sides of the seat as shown in. Repeat on other side.

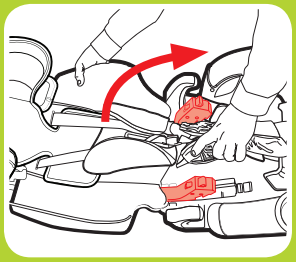


K. Release Back Support

Pull the seat pad out of the way to reveal the red buttons as shown in the seating area. Slide the buttons to release the back support from the base and lower it into a flat position. Hold the back support to avoid it from falling back and hitting something.

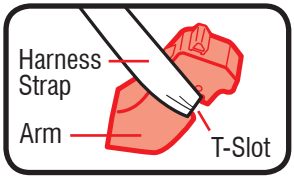






L. Remove harness straps from arms as shown.

Store the body support, harness covers, crotch pad cover and harness straps in safe place for future use.



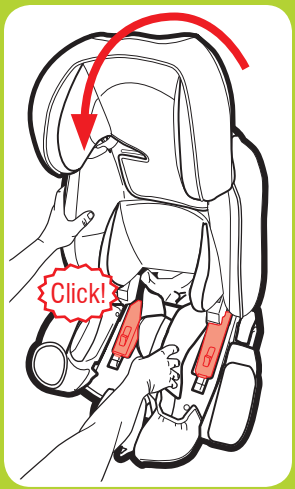
M. Move seat pad fabric out of the way then raise seat back so that both arms LOCK into the gutters.

You should hear a CLICK when the arms lock into the gutters.

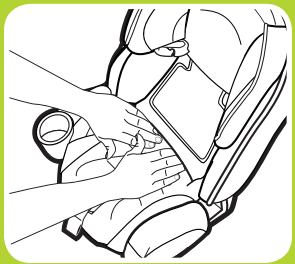
MAKE sure to keep the gutters clear of any obstructions.

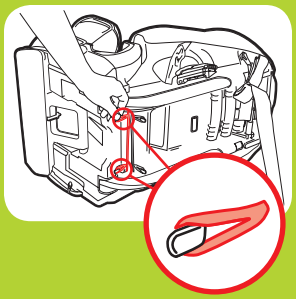
You should hear a CLICK when the arms lock into the gutters.

MAKE sure to keep the gutters clear of any obstructions.



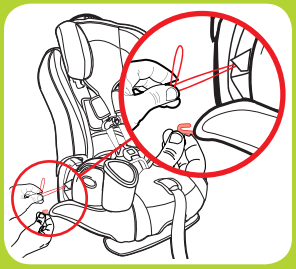
N. Tuck seat pad in between the gap of the back support and seat area of the booster seat to allow 2 elastic straps to show at the rear of the seat.





O. Attach Seat Pad Loops

Attach 2 elastic loops onto the hooks on the rear of the seat as shown.



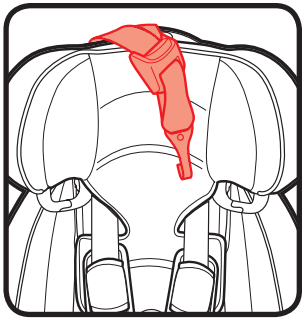
P. Attach Seat Pad Side Loops

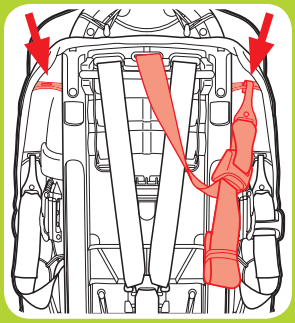
Pull elastic loop on the seat pad through the vehicle belt guide on side of seat and attach to hook as shown.

Repeat on other side.

Reverse instructions to reinstall harness.

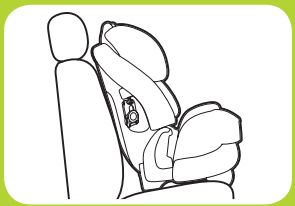
2. Unhook Top Tether Strap From Storage location and Lay it in the Seat





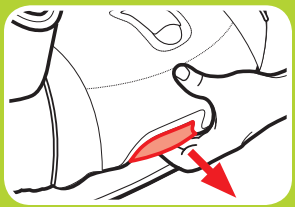
3. Place Car Seat Forward-Facing in Back Seat of the Vehicle

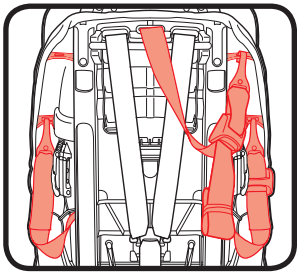
Place forward-facing in vehicle seat. The bottom of the seat should sit as flat as possible on the vehicle seat.



4. Choose One of the Three 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.





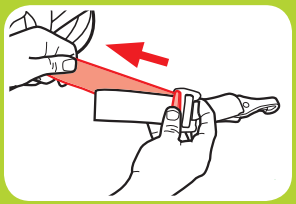
Graco allows the securing of the car seat with LATCH in the booster mode. The child still **MUST BE SECURED** with the vehicle lap/shoulder seat belt. LATCH can be used in the booster mode regardless of the weight of the child up to 120 lb (54 kg).

Verify the following before using LATCH in the booster mode:

- The LATCH hooks **DO NOT** interfere with any vehicle seat belts or buckles.

If the LATCH interferes with the vehicle seat belts or if the chosen seating position does not have LATCH, you MUST store the LATCH strap. Store the LATCH strap by pushing in on the red buttons on the hooks and attach to the plastic bar as shown. Store the top tether strap as shown.

Skip to Step 11 if Not Using LATCH

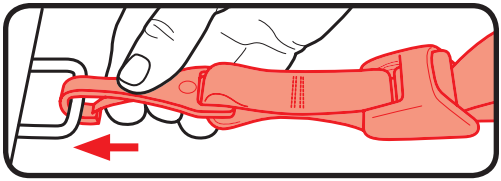


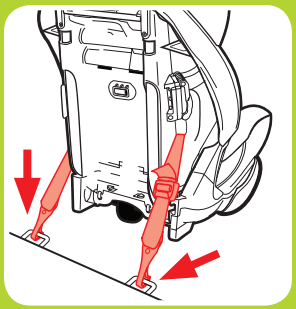
5. Extend the LATCH Strap.

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

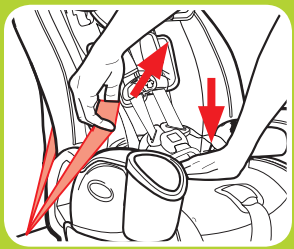
6. Attach LATCH Connector to Vehicle's Lower LATCH Anchors.

LATCH strap should not be twisted.





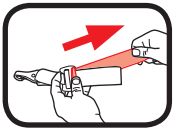
7. Tighten the LATCH Strap

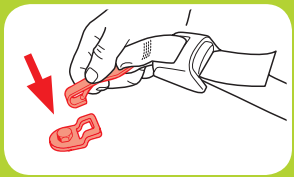


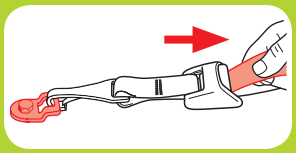
8. Attach Top Tether Strap

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.

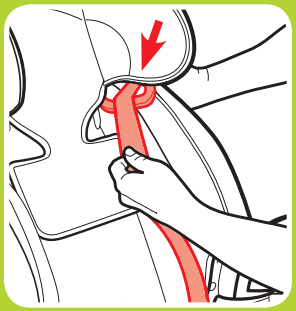






9. Tighten Top Tether Strap

Remove all the slack.



10. Thread the Vehicle Seat Shoulder Belt Through Seat Belt Guide on the Headrest

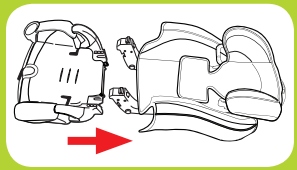
See section 5-B to secure your child.

4-C Install Backless Booster

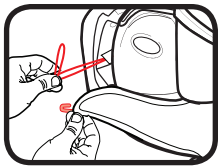
1. Remove the Back Support

See section 4-B for instructions on how to remove back support.

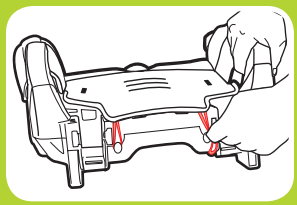
Once back support is removed, store with harness straps in a safe place.



2. Attach Base Pad to the Back of Base



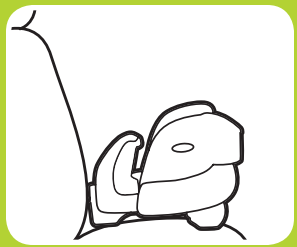
Attach the elastic straps at the back of the seat and through the vehicle belt guide on the sides of seat as shown.



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. The base should sit as flat as possible on the vehicle seat.

See section 5-C to secure your child.

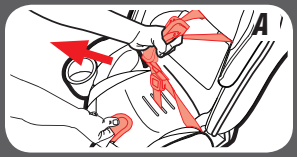


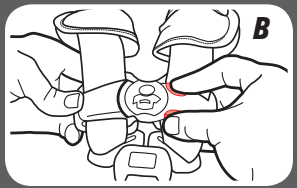
⚠WARNING!

WARNING! 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 5-Point Harness

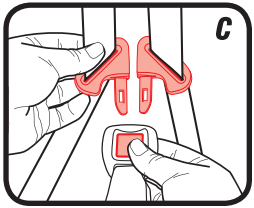




1. Loosen Harness Straps

(A) Lift up 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.



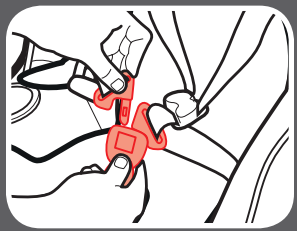
2. Place Your Child in the Seat

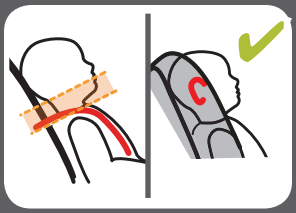
Make sure their back is flat against the car seat back.



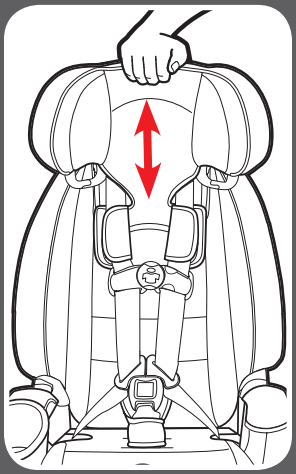
3. Place Harness Straps Over Child's Shoulders and Buckle

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





Forward-Facing

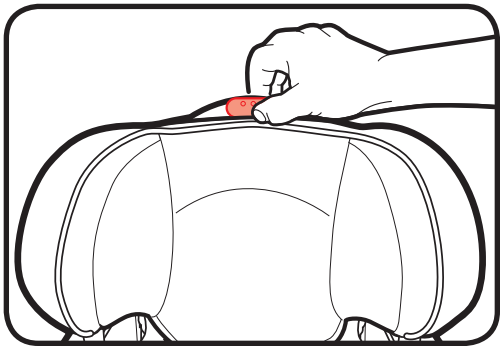


4. Be Sure the Harness Straps Are at the Proper Height

Forward-Facing: 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.



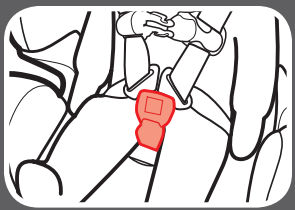
6. Check the Buckle Position

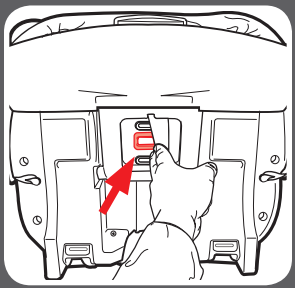
The correct slot the one that is closest to your child without being underneath your child.

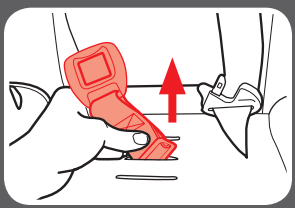
7. Remove the Buckle Strap

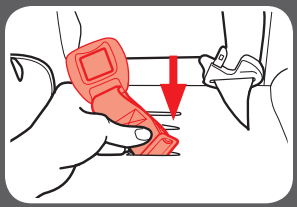
From bottom of car seat, rotate metal retainer to side in order to push it through slot easier.

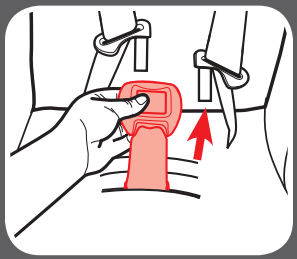
8. Pull buckle strap from child restraint as shown.











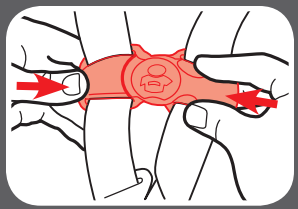
9. Insert Metal Retainer in the New Buckle Strap Slot

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

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

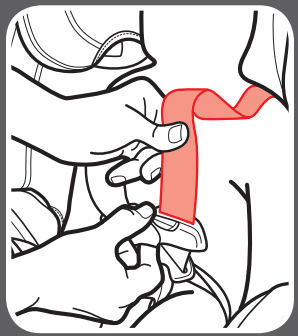
11. Buckle the Chest Clip

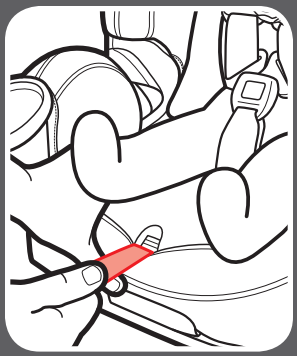
You will hear a “click” when the chest clip is securely buckled.

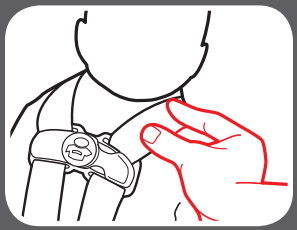


12. Pull All the Slack Out From Around the Waist

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





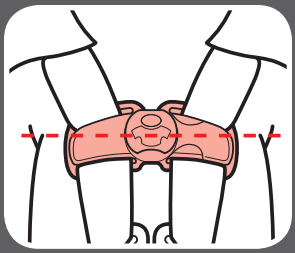


13. Tighten the Harness by Pulling the Harness Adjustment Strap

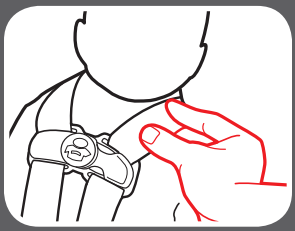
When you are not able to pinch any of the harness webbing at your child's shoulder, the harness is tight enough.

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.

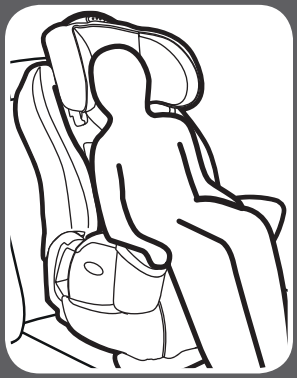
14. Raise the Chest Clip to Child's Armpit Level

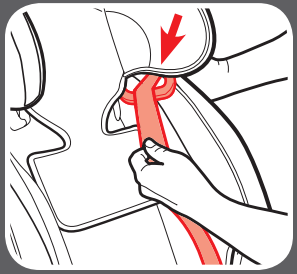


15. Check Tightness Again, Tighten More if Needed



5-B Securing Child Backed Booster





⚠WARNING!

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

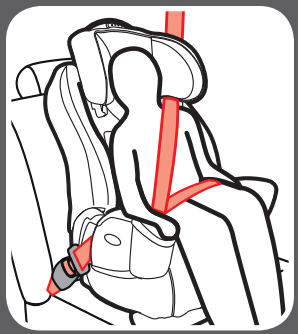
1. Place Child In Seat

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

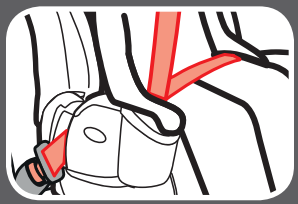
2. Thread Vehicle's Shoulder Belt Into Seat Belt Guide in the Headrest

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

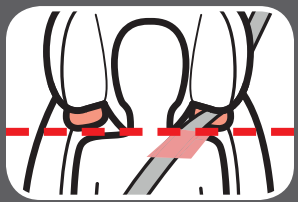
Be sure the lap portion of the vehicle seat belt goes behind the armrests.



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



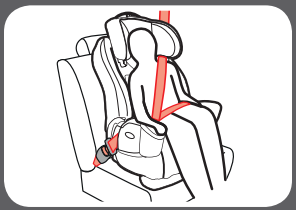
Be sure the shoulder belt lies across your child's shoulders, between the neck and edge of shoulder. The belt guides should be even with or just above the shoulders.



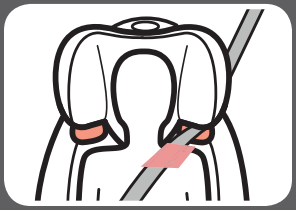
Is Everything Correct?



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-C Securing Child Backless Booster

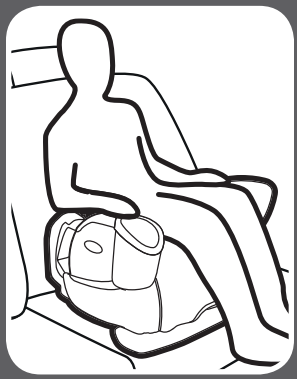
⚠WARNING!

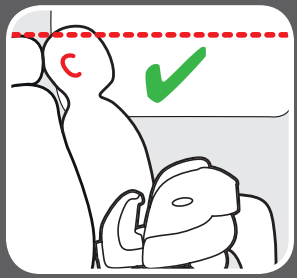
Use only the vehicle lap and shoulder belt system when restraining the child in the booster seat.

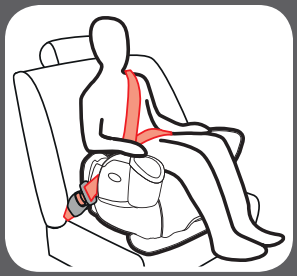
1. Place Child In Seat

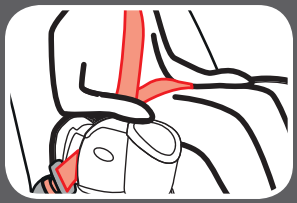
Have your child sit in the booster seat, with his/her back flat against the back of the vehicle seat.

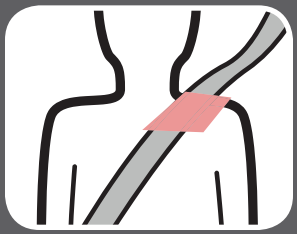
2. Ears Must Be Below the Top of the Vehicle Seat Back or Headrest.











3. Buckle the Vehicle Lap/Shoulder Seat Belt

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.

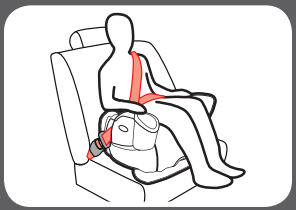
Be sure the shoulder belt lies across your child's shoulders, between the neck and edge of shoulder.

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

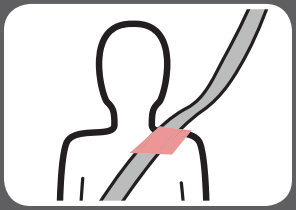
Never Use Lap Belt Only



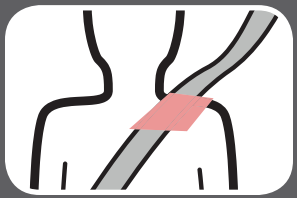
Lap Belt Behind Armrest and Lies Low Across Hips and Thighs



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

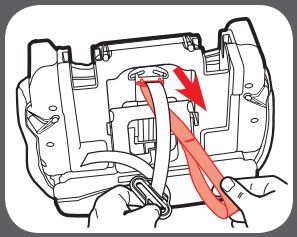


Using Belt Positioning Clip



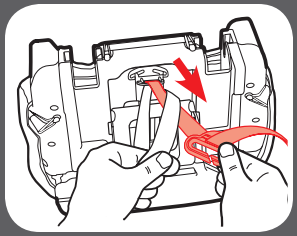
1. Make Sure Vehicle's Seat Shoulder Belt Lays in the Red Zone As Shown

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



2. Attach Belt Positioning Clip

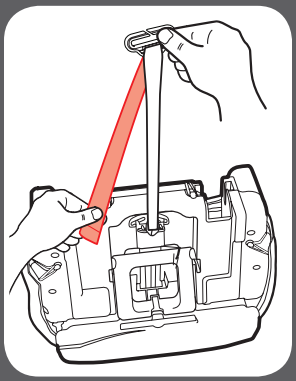
The shoulder belt positioning clip **MUST** be attached to the slot on the bottom of the base. Insert the loop end of strap through the slot on bottom of seat exactly where shown.



3. Push Clip and Strap Through Loop

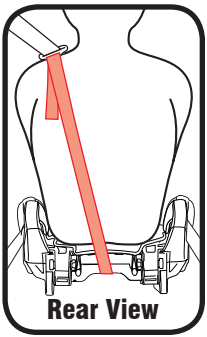
Pass the clip and the strap through the loop end as shown and pull strap up.

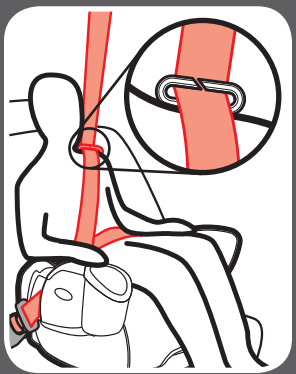
4. Free End of Strap Should Face Front of Seat

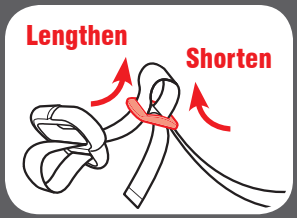


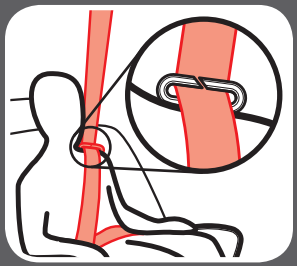
5. Place Child in Seat, Buckle Child In Seat and Attach Belt Positioning Clip

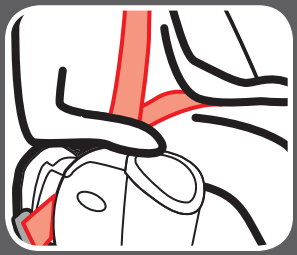
With child's back flat against the back of the vehicle seat, buckle child in. Then slide the clip onto the vehicle's seat shoulder belt as shown.











6. Adjust the Belt Positioning Clip to Fit Your Child

Lengthen or shorten the belt length as shown.

Clip should fit right at the top of should as shown.

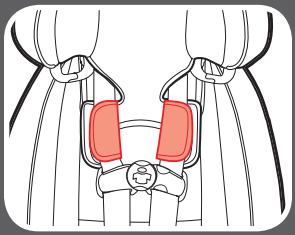
Be sure the lap portion of the vehicle seat belt lies low across your child's hips.

6-A Accessories *(on select models)*

Harness Covers

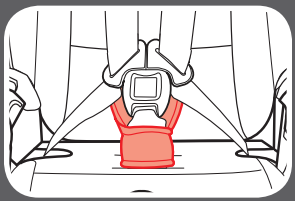
Make sure that harness covers do not interfere with placement of the chest clip at armpit level.

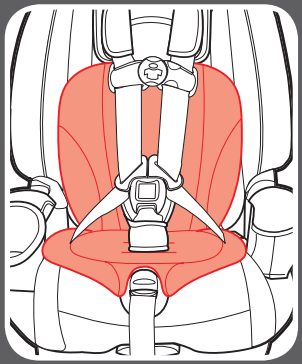
To remove, undo the fastening strips and remove.

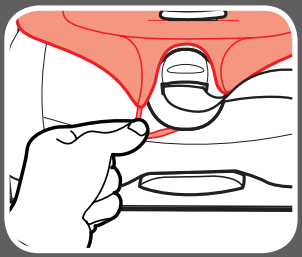


Buckle Covers

To remove, undo the fastening strips and remove.







Reversable Body Support

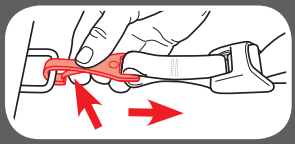
To remove body support, unbuckle the harness system and remove the buckle cover. Then pull the elastic strap out from the behind the harness adjustment cover and remove.

WARNING! To prevent ejection in sudden stop or crash: Never allow body support to bunch or fold behind child. Body support MUST be used if shoulders are below lowest harness setting.

7-A How to Remove LATCH and Top Tether

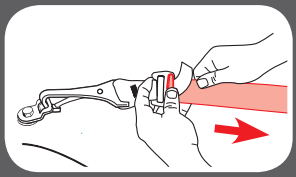
LATCH

Press in on the hook's spring. Push hook in, lift hook up, twist and pull out away from anchor point.

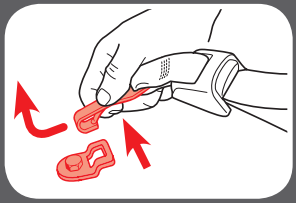


Top Tether

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, the National Highway Traffic Safety Administration (NHTSA) recommends 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

7-C Unsafe Vehicle Seat Location

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



rear-facing or side-facing vehicle seats



rear-facing with an active front air bag



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 latchplate; with other vehicle seat belts, this is done with the retractor.

Vehicle Seat Belt Terms

Retractor

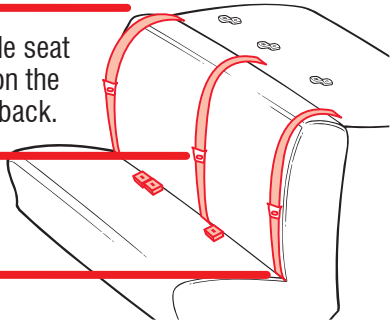
A device that winds up the unused vehicle seat belt. It is often hidden inside the panels on the walls of the vehicle or in the vehicle seatback.

Latch Plate

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

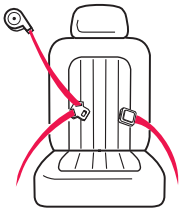
Seat Bight

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

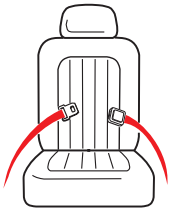


Identify Your Seat Belt Type

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 seats modes of use.



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

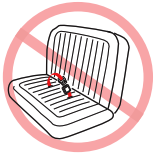
The following types of vehicle seat belts **CANNOT** be used safely with this car seat:



Lap Belt with Motorized Shoulder Belt



Lap Belt or Shoulder Belt Mounted on Door



Belts Forward of the Seat Bight

Lap/Shoulder Belt Installation - Forward Facing Modes

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.

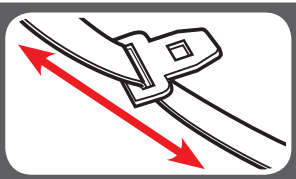
Sliding Latch Plate and Switchable Retractor

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

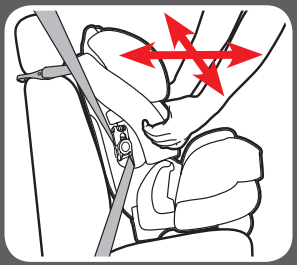
When installing the car seat, route the vehicle seat belt through the proper belt path and buckle it in. **Slowly pull the shoulder belt all the way out to switch it to locking mode.** Lay the shoulder belt inside the opened lock-off. Then, as you pull the vehicle seat belt tight, feed all the slack back into the retractor. When the belt is tight, close the lock-off.

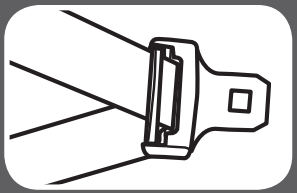
Note: When using the lock-off you do not need to switch the retractor to locking mode. The lock-off locks the belt.

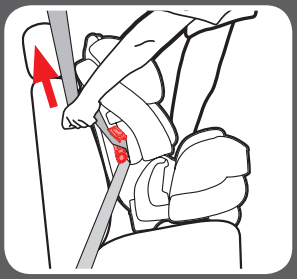
Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 1” (2.5 cm).













Locking Latchplate and ELR Retractor

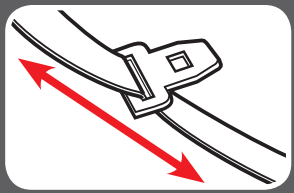
A latchplate that holds the lap belt snug after it has been adjusted; contains a metal bar on the underside of the hardware that “locks” the belt in position.

When installing the car seat, route the vehicle seat belt through the proper belt path and buckle it in. Lay the shoulder belt inside the opened lock-off. Then, pull upwards on the shoulder belt so that the lap belt gets tight around the car seat. When the belt is tight, close the lock-off.

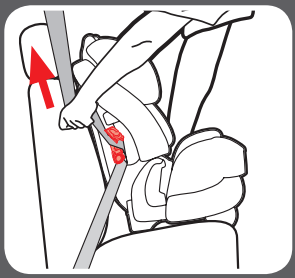
Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 1” (2.5 cm).

Sliding Latch Plate and ALR Retractor

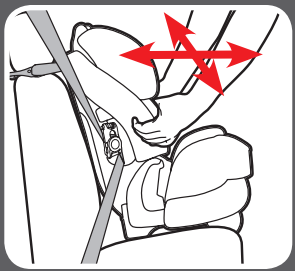
A latchplate that slides freely on the belt webbing and cannot, by itself, hold the belt snug around a car seat.

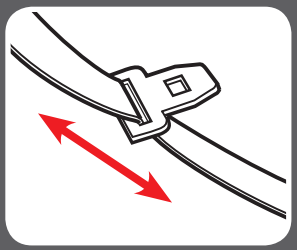


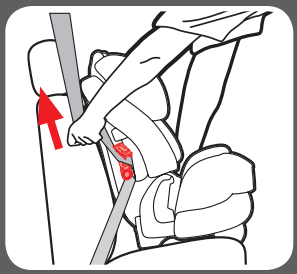
Slowly pull the shoulder belt all the way out. Route the vehicle seat belt through the proper belt path and buckle it in. Lay the shoulder belt inside the opened lock-off. Then, as you pull the vehicle seat belt tight, feed all the slack back into the retractor. When the belt is tight, close the lock-off.

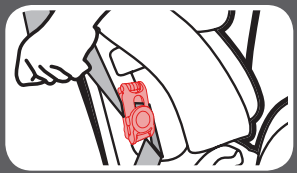


Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 1” (2.5 cm).









Sliding Latch Plate and ELR Retractor

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

With this retractor, you must use lock off with these seat belts.

Route the vehicle seat belt through the proper belt path and buckle it in. Pull the vehicle seat belt tight.

Tighten the Vehicle Seat Belt

Press down firmly in the center of the car seat. Pull on the shoulder belt to tighten. Lay the shoulder belt inside the opened lock-off. When the belt is tight, close the lock-off.

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

Locking Latch Plate and No Retractor

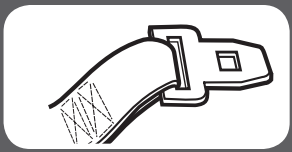
When installing the car seat, route the lap seat belt through the proper path and buckle it in. Then, pull upwards on the tail of the belt so that the lap belt gets tight around the car seat.

Sewn On Latch Plate and ALR

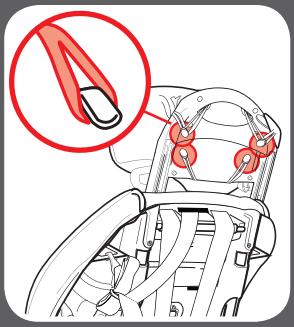
Slowly pull the lap belt all the way out. Route the vehicle seat lap belt through the proper belt path and buckle it in. Then, pull the lap belt tight while feeding all the slack back into the retractor.

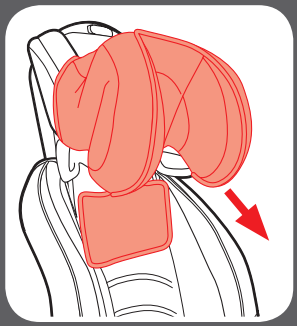


Grab the sides of the seat at the belt path and slide the seat side-to-side and front-to-back. The seat should not move more than 1 " (2.5 cm).



8-A Cleaning Seat Pad





Refer to seat pad care tag for washing instructions.

Head Support Cover

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

To remove, unhook elastic loops from head support as shown.

Remove harness and buckle strap. See scetion 4-B.

Remove head support cover as shown.

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

Reverse the steps to reattach the pad on the headrest.

Seat Cover

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

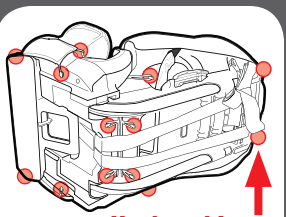
To remove, unhook elastic loops from seat cover as shown.

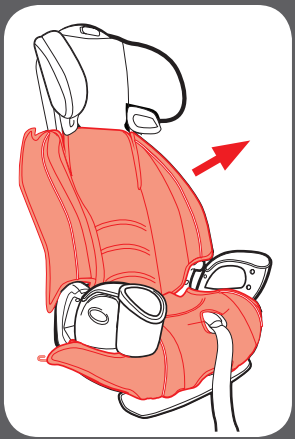
Remove harness and buckle strap. See scetion 4-B.

Remove seat cover as shown.

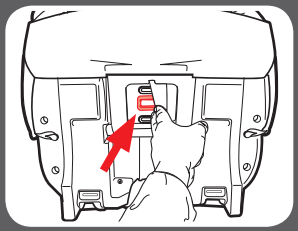
Machine wash cover in cold water on delicate cycle and drip-dry. DO NOT USE BLEACH.

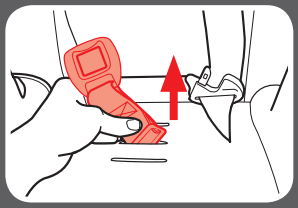
Reverse the steps to reattach the seat cover.





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 LATCH Straps

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

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



Replacement Parts

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

www.gracobaby.com
or
1-800-345-4109



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

