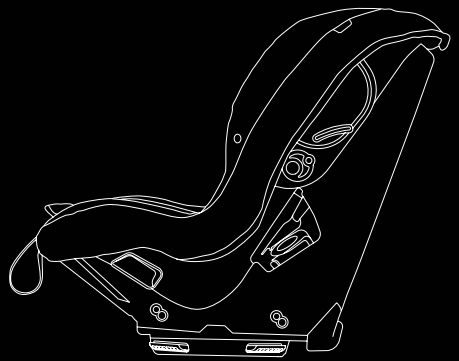
orbit baby

G5+ Toddler Car Seat

This product meets or exceeds FMVSS 213



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Before You Begin

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Welcome to the Orbit Baby family!

Congratulations on the purchase of your Orbit Baby Toddler Car Seat. Please take the time to read through this instruction manual carefully and make sure anyone else using the Orbit Baby Toddler Car Seat reads it carefully as well.

This child restraint system conforms to all applicable Federal Motor Vehicle Safety Standards. This Restraint is Certified For Use in Motor Vehicles and Aircraft.

Not all photos in this manual include the most up-to-date product specifications.



Terms You Need to Know



Note: The restraint harness is made up of the shoulder straps, crotch belt and adjuster strap.

Terms You Need to Know



Tether

Rear Access Panel

Carry Handles

Release Levers

Lower Anchor Attachments

Forward-Facing Lock-off Clamp

Lower anchor attachment storage pockets



the SmartHub® Car Seat Base (Not Included)


Adjustable Headrest
Head Insert
Shoulder Pads
Chest Clip
Upper Upholstery Panel
(Under Headrest, denoted by Red Dot)
Crotch Buckle
Crotch Pad
Lower Upholstery Panel
(Denoted by Blue Dot)
Adjuster Strap Lock
(Under Lower Upholstery Panel)
Adjuster Strap
orbit baby

Your Child's Safety Depends on You

No child restraint system can guarantee protection from injury in every situation. However, proper use of the Orbit Baby Toddler Car Seat reduces the risk of serious injury or death to your child. Your child's safety depends on you installing and using this child restraint system correctly every time. This instruction manual guides you in detail through the following steps :

Important Steps You Must Follow:

1. **Register your Toddler Car Seat with Orbit Baby and take note of the expiration date.** For your records, enter the serial number and date of manfacture on page 10. Orbit Baby will help you keep track of safety updates and product recalls when you register with us.

2. **Select a seating location in your car.** An important overview of vehicle seating locations is in the *Usage Recommendations* section. There, you can find information about air bags and different types of vehicle seat belts.

3. **Securely install Toddler Car Seat.** There are three ways to install the car seat :

    1. **Rear-facing with the SmartHub® car seat base** following the instructions in your Infant Car Seat and the SmartHub® Car Seat Base manual and the *Installing the Car Seat on the SmartHub® Car Seat Base* section of this manual.

    2. **Rear-facing with the Side Impact Braces** (without the SmartHub® car seat base) following the instructions in the *Installing the Car Seat without the SmartHub® Car Seat Base* section in the blue portion of this manual.

    3. **Forward-Facing with the Side Impact Braces** (without the SmartHub® car seat base) following the instructions in the *Installing the Car Seat* section in the red portion of this manual.

    The best choice for your child's safety depends on your child's weight and height: review the *Usage Recommendations* section of this manual.

Note : According to accident statistics, children are safer when properly restrained in the rear seating positions than in the **front seating positions**. In addition, safety technicians and the American Academy of Pediatrics recommend keeping children rear-facing for as long as possible. The switch to forward-facing will depend on your child's age and size.

4. **Secure your child.** The sections in *Securing Your Child* provide you with instructions to secure and adjust the restraint harness to the proper fit for your child.

5. **Maintenance and cleaning.** The last section provides you with instructions to clean the Toddler Car Seat. This section also explains the limited customer warranty.

Product Information and Expiration Date

Storing your instruction manual:

Store this instruction manual in the rear pocket on the back of the car seat for future use (Photo A).

Product information and expiration date for your car seat :

The product information label is located behind the rear access panel on the car seat (Photo B).
DO NOT use the car seat after the expiration date, which can be found on the product information label.
The product information label also shows its specific serial number and date manufactured. For your convenience and future reference, you can copy this information into the boxes below.





G5^{+} Toddler Car Seat

Serial Number	Manufacture Date	Expiration Date

Registering Your Car Seat and Recall Information

Child restraints could be recalled for safety reasons. You must register this restraint to be reached in a recall. Send your name, address, email address if available (optional), and the restraint's model and serial number and date manufactured to Orbit Baby at the address below or call the number below or register online at the address below.

For customers in the United States :

log onto: **www.orbitbaby.com/car-seat-registration**

or mail: **Orbit Baby, P.O. Box 699 Ventura CA 93002**

or call: **1-888-475-4056**

or e-mail: **hello@orbitbaby.com**

For recall information in the United States:

- Call Orbit Baby Customer Service at 1-888-829-8433 or write to register@orbitbaby.com
- Call the U.S. Government's Vehicle Safety Hotline at 1-888-327-4236 (TTY : 1-800-424-9153).
- Visit the National Highway Traffic Safety Administration's website at www.NHTSA.gov.

Usage Recommendations

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Important Warnings

⚠WARNING
Death or Serious Injury Can Occur

FAILURE TO FOLLOW THESE INSTRUCTIONS AND THE PRODUCT LABELS CAN RESULT IN SERIOUS INJURY OR DEATH TO YOUR CHILD.
To avoid serious injury or death, proper use is required. DO NOT let others install or use the car seat or the SmartHub® car seat base without reading all the instructions first.

Keep this instruction manual for future use. Store it inside the rear pocket of the car seat. If the instruction manual is missing, visit www.orbitbabyusa.com/support to download a copy. U.S. customers can email hello@orbitbaby.com or call 1-888-475-4056 for a replacement.

Important Warnings

⚠WARNING
Death or Serious Injury Can Occur

If using the SmartHub® car seat base, securely install it in the vehicle seat belt, and then lock the car seat onto the SmartHub® car seat base, as shown in this manual. Always check the security of your car seat installation by pulling side to side, and front to back on the SmartHub® car seat base. The SmartHub® car seat base or car seat should not move more than 2.5 cm (1 in) in any direction at the belt path.

If not properly secured, your child can be injured in a vehicle even if you are not in a crash. Sudden braking and sharp turns can injure your child if the car seat or SmartHub® car seat base are not properly installed or if your child is not properly secured in the car seat.

The Car seat and SmartHub® car seat base must be secured at all times, even when not occupied. The car seat and SmartHub® Car Seat base must be firmly secured to the vehicle by means of a LATCH/UAS or vehicle seat belt, as applicable for the type of system and the seating location in which the system is to be installed. Unsecured items can cause injury in a sharp turn, sudden stop, or crash.

Important Warnings

⚠WARNING
Death or Serious Injury Can Occur

Use the car seat only with children who weigh between 15-65 lbs (7-30 kg), whose ears are not visible above the top of the restraint, and who can be properly secured in the restraint harness. Ensure the restraint harness is properly sized and can be snugly adjusted to your child.
Always keep head insert in the headrest for use when the weight of baby or child is less than 40lbs(18.2kg).
To prevent ejection or breathing difficulties, proper recline is required. When installing the car seat on the SmartHub® car seat base, check the level of the car seat base, as shown in the SmartHub® car seat base manual.
When installing the car seat without the SmartHub® car seat base, check the level of the car seat, as shown in this manual.
Never leave your child unattended in the car seat. SUFFOCATION HAZARD: The car seat can roll over on soft surfaces and suffocate child. NEVER place the car seat on beds, sofas or other soft surfaces.
PROPERLY SECURE THE RESTRAINT HARNESS. Child MUST be secured properly by the restraint harness at all times, whenever the car seat is used in a vehicle or outside of a vehicle.

Important Warnings

⚠WARNING
Death or Serious Injury Can Occur

STRANGULATION HAZARD: Children have STRANGLED in loose or partially buckled harness straps. Fully restrain the child even when carrier is used outside the vehicle. Never leave a child in the car seat with straps loose or undone.

FALL HAZARD : Only use the car seat secured to a SmartHub or with the Side Impact Braces. **Do not allow the re-use of the car seat after a moderate to severe crash of any kind.** A collision can cause damage to the child restraint that you cannot see. Contact Orbit Baby regarding the After-Impact Exchange Program. The car seat is not a stand-alone product. The car seat is not stable unless docked into a SmartHub or with the Side Impact Braces attached.

FALL HAZARD : Child's movement can slide the car seat. NEVER place the car seat near edges of counter tops, tables, or other elevated surfaces.

Do not modify your car seat or SmartHub® car seat base. Only use products and accessories approved by Orbit Baby to ensure the safety of your child.

Important Warnings

⚠WARNING
Death or Serious Injury Can Occur

Follow the accompanying instruction manuals for these products and accessories carefully. Contact Orbit Baby for replacement parts.
NEVER use a car seat that has been involved in a moderate to severe crash.
A minor crash is one which ALL of the following apply:

- The vehicle was able to be driven away from the crash site.
- The vehicle door nearest the car seat was not damaged.
- None of the passengers in the vehicle sustained any injuries in the crash.
- If the vehicle has air bags, the air bags did not deploy during the crash .
- There is no visible damage to the car seat.

Do not use the car seat if any component is damaged, broken, or missing parts.

Weight and Height Recommendation for Your Child

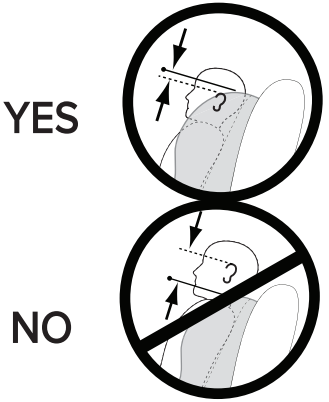
Use this car seat only with children who meet **ALL** the following requirements :

- ☑ **WEIGHT** — **between 15-65 lbs (7-30 kgs),** and
- ☑ **HEIGHT** — **such that the child's ears are not visible above the top of the headrest when they are seated in the car seat,** and
- ☑ **HARNESS** — **that can be snugly adjusted around your child.**

Discontinue use of the car seat when your child grows beyond either the height or weight requirements listed above.

Please refer to *the Securing Your Child* section of this manual for more information about how your child should fit in the car seat.

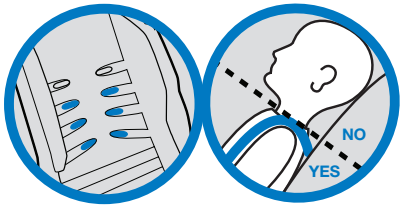
In this manual and on your Toddler Car Seat, rear-facing instructions and labeling are denoted in blue, while forward-facing instructions and labeling are in red.



Only use the Orbit Baby Toddler Car Seat according to the following usage recommendations:

Rear-facing 15-35 lbs (7-16 kg)

- ☑ Keep children rear-facing as long as possible.
- ☑ Only use the three lowest sets of harness slots for rear-facinginstallations.
- ☑ Harness slots must be below the child's shoulders



NOTE: Safety technicians and the American Academy of Pediatrics recommend keeping your child in a rear-facing position for as long as possible.

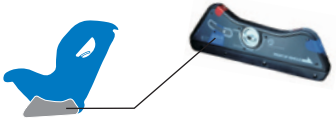
Rear-facing Installation Modes: When used rear-facing, the Toddler Car Seat can be docked on the SmartHub® Car Seat Base or installed by itself with the addition of the included Side Impact Braces.

The SmartHub® Car Seat Base Installation



SmartHub® car seat base (not included)

Side Impact Brace Installation

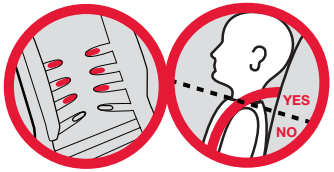


Side Impact Braces (included)

Weight and Height Recommendations for Your Child cont'd

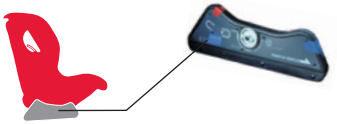
Forward-facing 26.5-65 lbs (12-30 kg)

- ☑ Ears are not visible above the top of the restraint.
- ☑ Only use the three higher sets of harness slots for forward-facing installations.
- ☑ Harness slots must be above the child's shoulders.



Forward-facing Installation: In the forward-facing orientation, the Toddler Car Seat can only be used with the included Side Impact Braces. It is not possible to dock the Toddler Car Seat into the SmartHub® car seat base forward-facing.

Side Impact Brace Installation



Side Impact Braces (included)

You will notice an overlap of the rear- and forward-facing weight ranges. This is so that you have flexibility to make the transition when your child is ready.

Safety technicians and the American Academy of Pediatrics recommend keeping children in a rear-facing position for as long as possible, provided they still meet the requirements above.

Choosing a Vehicle Seating Location

⚠WARNING
Death or Serious Injury Can Occur

Do not place this car seat in a vehicle seating location with a front air bag. Improper placement of the car seat in a vehicle will increase the risk of serious injury or death.

- Some seating positions in your vehicle may not be safe for this child restraint, especially those with side airbags. Check your vehicle owner's manual.
- Some vehicles do not have any seating positions where a car seat can be installed securely.

⚠WARNING
Death or Serious Injury Can Occur



DO NOT place rear-facing child seat on front seat with air bag. DEATH OR SERIOUS INJURY can occur. The back seat is the safest place for children 12 and under.

Choosing a Vehicle Seating Location cont'd

The Orbit Baby G5 Toddler Car Seat is certified for use with or without the Orbit Baby G5 SmartHub® Car Seat Base.

Installing the car seat rear-facing WITH the SmartHub® car seat base AND YOUR CHILD WEIGHS UP TO 35 lbs (16 kg):

If you are installing the car seat with the SmartHub® car seat base, first install the base, and then lock the car seat on the base. You should choose a seating location in your vehicle with:



- **a vehicle seat belt.** you must install the SmartHub® car seat base in a seating location in your vehicle that has an acceptable vehicle seat belt.

Installing the car seat rear-facing WITHOUT the SmartHub® car seat base :

If you are installing the car seat without the SmartHub® car seat base, Rear-facing, you must use Side Impact Braces and should choose a seating location in your vehicle with either :



1. **a lower anchorage attachments,** if your vehicle is equipped with the LATCH system. LATCH is a term used in the United States and stands for **L**ower **A**nchors and **T**ethers for **Ch**ildren.

2. **a vehicle seat belt.** If your vehicle does not have LATCH, you must install the car seat in a seating location in your vehicle that has an acceptable vehicle seat belt.

Installing the car seat forward-facing AND YOUR CHILD WEIGHS UP TO 40 lbs (18 kg):

If you are installing the car seat forward-facing, you must use Side Impact Braces and should choose a seating location in your vehicle with either :



1. **a lower anchorage and tether attachments,** if your vehicle is equipped with the LATCH system. LATCH is a term used in the United States and stands for **L**ower **A**nchors and **T**ethers for **Ch**ildren.

2. **a vehicle seat belt and tether.** If your vehicle does not have LATCH, you must install the car seat in a seating location in your vehicle that has an acceptable vehicle seat belt.

Installing the car seat forward-facing AND YOUR CHILD WEIGHS MORE THAN 40 lbs (18 kg):

If you are installing the car seat forward-facing, you must use Side Impact Braces and should choose a seating location in your vehicle with :



- **a vehicle seat belt.** You must install the car seat in a seating location in your vehicle that has an acceptable vehicle seat belt.

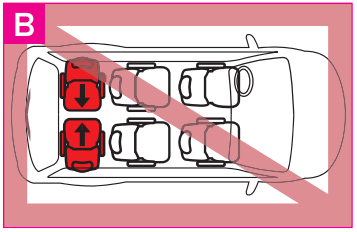
According to accident statistics, children are safer when properly restrained in the rear seating position than in the front seating position of a vehicle. If you are not sure where to install this car seat in your vehicle, refer to your vehicle owner's manual for seating locations recommended for car seat use and for specific instructions about child restraint use, or contact the vehicle manufacturer for guidance.

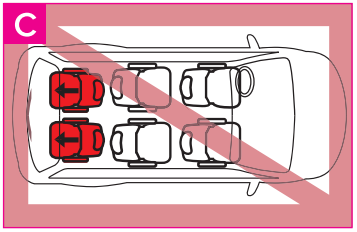
Choosing a Vehicle Seating Location cont'd

General Guidelines:

- Never secure this car seat rear-facing in a seating location with a front air bag (Figure A). Check your vehicle owner's manual regarding all other air bag locations and compatibility with child restraints.
- Never secure the car seat in a vehicle seating location unless recommended by the vehicle owner's manual.
- Only install the car seat in forward-facing vehicle seats. Never install the car seat in side-facing or rear-facing vehicle seats (Figure B & C).
- Never secure the car seat in vehicle seating locations where the vehicle seat back does not lock in an upright position.







In addition, the center-rear seating location is considered the best location if ALL the following conditions are met :

- ☑ Installation in this seating location is permitted by the vehicle manufacturer.
- ☑ LATCH belt or vehicle seat belt provides a secure installation and remains tightly adjusted around the car seat,
- ☑ The vehicle seat contour allows the car seat to be properly leveled once installed,
- ☑ If the vehicle seat back is adjustable, the vehicle seat back is locked into the upright position.

If all of these conditions are not met, install the car seat in a different seating location. After you have chosen a seating location, follow the car seat information in your vehicle owner's manual, and the instructions in this manual, for installation using LATCH or a vehicle seat belt.

Choosing an Installation Method

Overview

Your SmartHub® base can be installed with LATCH or a vehicle seat belt. Your car seat can be installed with the Side Impact Braces using either LATCH or a vehicle seat belt.

1. With the LATCH Anchorage System :

See *Installing with the LATCH Anchorage System.*

2. With Vehicle Seat Belt :

See *Installing with Vehicle Seat Belt.*

⚠WARNING

Death or Serious Injury Can Occur

Never attach two LATCH connectors to one LATCH anchorage in a vehicle, unless recommended by the vehicle owner's manual for your vehicle. If the LATCH belt does not remain tight or the SmartHub® car seat base can move than 1 in (2.5 cm) in any direction, do not use this seating location. Your child could be seriously injured in a sharp turn, sudden stop, or crash.

Never use both the lower LATCH system and the vehicle seat belt system at the same time to secure the SmartHub® car seat base or Toddler Car Seat.

Installing with the LATCH Anchorage System

Refer to your vehicle owner's manual regarding requirements for using the vehicle's LATCH anchorages with the car seat, or contact the vehicle manufacturer for guidance.

The LATCH anchorage system makes car seat installation in a vehicle easier, and does not use vehicle seat belts. LATCH stands for **L**ower **A**nchors and **T**ethers for **Ch**ildren.

All 2003 and newer model year vehicles are required to have built-in LATCH anchorage systems.

For convertible car seat installations, the applicable parts of the vehicle LATCH system are:

1. the two lower anchorages (horizontal bars) located in the vehicle seat bight between the seat back and the seat cushion. These anchorages are typically indicated by the symbol to the right.

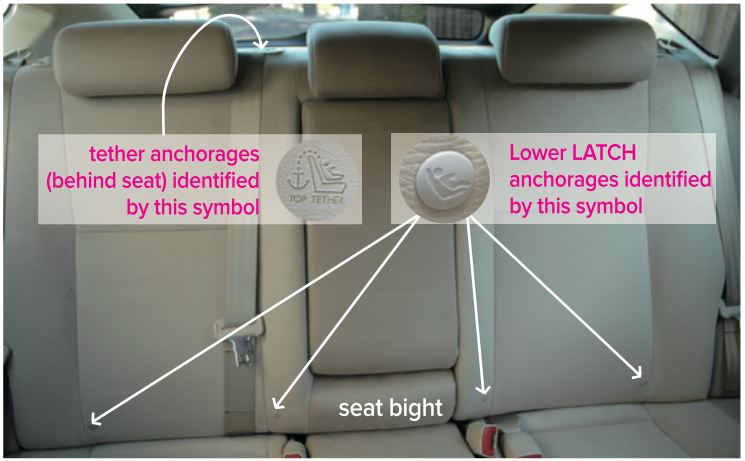


2. the tether anchorage (horizontal bar) located either on the shelf behind the rear seat, on the back side of the rear seat, on the floor of the cargo area or on the ceiling behind the rear seat. These anchorages are typically indicated by the symbol to the right.



⚠WARNING
Death or Serious Injury Can Occur

LATCH connectors must be secured to the vehicle LATCH anchorages only. Connections to other vehicle components could result in an unsafe installation of the car seat.



This car seat can be installed on the SmartHub® car seat base or by itself using the LATCH belt and connectors and tether. LATCH belt and connectors are included with the SmartHub® car seat base and can be found in their storage location in the SmartHub® car seat base upright. LATCH belt and connectors, and the tether are also included with the car seat and can be found in their storage location in the rear access panel.
The following diagrams show how to properly install and remove the LATCH connectors included on the car seat.

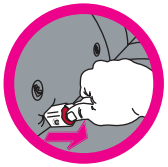
To Secure :

- Slide LATCH connector completely onto the vehicle LATCH anchorage. You should hear a CLICK when the connector locks onto the LATCH anchorage.
- Check that the LATCH connector is locked onto the vehicle LATCH anchorage by pulling out on it.



To Remove :

- Press and hold the red release button on the LATCH connector.
- Slide LATCH connector off the LATCH anchorage.



Installing with the LATCH Anchorage System cont'd

Pay careful attention to the type of tether anchors and vehicle seat belts that are in your vehicle; some cargo anchors that are unsafe to use with child restraints look the same as tether anchors. Read your vehicle owner's manual for tether anchor anchorage locations.

Only install the car seat with lower anchor attachments anchors if using a vehicle seating location that is recommended by the vehicle manufacturer. Positions that have a center-to-center LATCH anchor (See Figure A), only use if recommended by the vehicle manufacturer.



Close-up of typical Lower LATCH symbol, found just above the vehicle seat crease where the lower anchor anchorage is located.

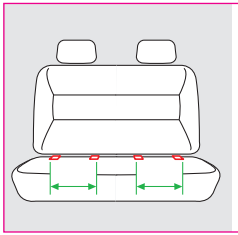


Figure A

The following diagram shows how to properly route the tether when installing the car seat forward-facing. The tether should not be used when installing the car seat rear-facing.



To Secure :

- Remove the tether from the rear access panel on the car seat. Route it through the opening at the top of the panel and close the panel using the black clip.
- Determine the shortest path from the car seat to the anchorage and route tether along this path. This may involve raising the headrest so tether travels directly over the top of the seat.
- Connect the tether's snap hook to the vehicle anchorage. You should hear a CLICK when the connector locks onto the anchorage.
- Check that the tether is secured onto the anchorage by pulling up on it.
- Tighten the tether by pulling on the adjustment loop.

To Remove :

- Release tension on the tether by pressing the grey adjustment button.
- Unhook the tether's snap hook from the vehicle anchorage and store the tether in the rear access panel.

Installing with Vehicle Seat Belt

⚠WARNING
Death or Serious Injury Can Occur

Some vehicle seat belts are not safe to use with the car seat. The vehicle seat belt must hold the car seat tightly at all times.

If the vehicle seat belt does not remain tight or the car seat can move more than 1 in (2.5 cm) in any direction, do not use this seating location. Your child could be seriously injured in a sharp turn, sudden stop, or crash. If the car seat is loose, move to another seating location and re-install.

Refer to your vehicle owner's manual for specific instructions on which seat belts in your vehicle can be safely used with your car seat, or contact the vehicle manufacturer for guidance.

There are many types of vehicle seat belts. You must determine if your vehicle seat belts are compatible with the car seat.

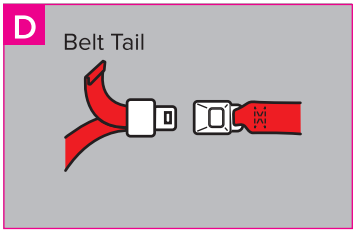
Safe Vehicle Seat Belt Systems:

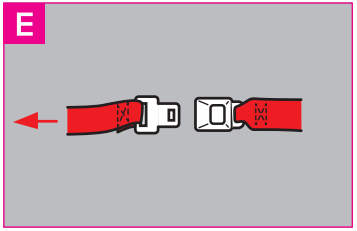
The following vehicle seat belt systems CAN be used with this car seat if the seat-ing location meets all the requirements of these instructions and those in the vehicle owner's manual.

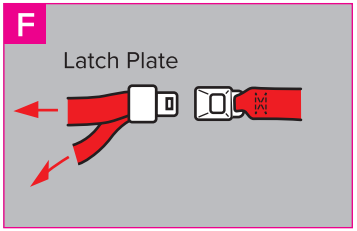
1. Vehicle lap belt – manually adjusted : The lap belt is tightened by manually pulling on the belt's tail once it is buckled (Figure D).

2. Vehicle lap belt with Automatic Locking Retractor (ALR) : The seat belt's retractor remains locked once the belt is pulled out and buckled. It maintains a fixed seat belt length during use (Figure E).

3. Combination lap-shoulder belt : with locking latch plate or sliding latch plate used in combination with the belt lockoffs on the car seat or the SmartHub® base (Figure F).







Installing with Vehicle Seat Belt cont'd

Unsafe Vehicle Seat Belt Systems :

The following types of vehicle seat belts are NOT compatible with this car seat. DO NOT install the child restraint using any of the vehicle seat belt systems listed below. Select another seating location or install using LATCH.

1. Vehicle Lap-only Belt with Emergency Locking Retractors (ELR) without additional locking hardware: The seat belt will remain loose and will only lock in the event of a crash.

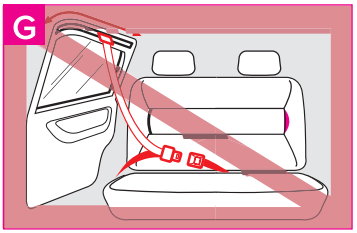
2. Passive Restraint System: Lap or shoulder belt mounted to the vehicle door: Do not use a vehicle seat belt that is attached to the door. Belts will not stay tight when driving.

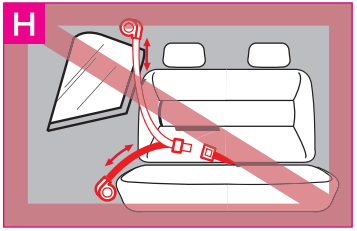
3. Passive Restraint: Lap belt with motorized shoulder belt: Do not use a vehicle seat belt that moves along a track to automatically surround the passenger (See Figure G).

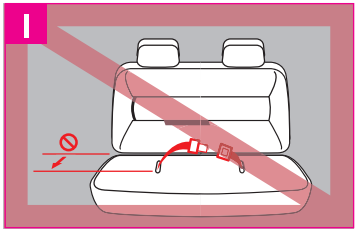
4. Combination lap-shoulder belt with two retractors: Do not use a vehicle lap and shoulder belt that have separate retractors for the shoulder section and the lap section (See Figure H).

5. Lap belts forward of the seat bight (See Figure I).

6. Inflatable lap-shoulder belts.







Need Help Securing Your Car Seat?

The following resources can provide assistance or check whether your car seat is properly installed:

For customers in the United States :

- Orbit Baby at hello@orbitbaby.com or 1-888-475-4056.
- Visit www.NHTSA.gov and select “Child Passenger Safety.”
- Call 1-866-SEAT CHECK (1-866-732-8243) or visit www.seatcheck.org.
- A certified child passenger safety technician in your area.

Rear-facing Installation

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NOTE: Safety technicians and the American Academy of Pediatrics recommend keeping your child in a rear-facing position for as long as possible provided they still meet the Weight and Height Recommendations listed on pages 18-20.



Choosing Installation Options

The Orbit Baby Toddler Car Seat is certified for use WITH or WITHOUT the Orbit Baby SmartHub® car seat base*.

Installing the car seat WITH the SmartHub® car seat base

The SmartHub® Car Seat Base allows convenient rear-facing installation of your car seat. The SmartHub® Car Seat Base can **ONLY** be installed with a vehicle seat belt, following the instructions in your SmartHub® Car Seat Base manual (not included). The car seat can then be locked onto the SmartHub® Car Seat Base following the instructions in the Installing the Car Seat on the SmartHub® Car Seat Base section. Do not use the lower anchors of the child restraint anchorage system (LATCH system) to attach the SmartHub® Car Seat Base.



Only vehicle seat belt

Installing the car seat WITHOUT the SmartHub® car seat base :

If you do not own a SmartHub® car seat base, or are traveling without your SmartHub® car seat base, the car seat can be installed with the Side Impact Braces with **EITHER** using the included LATCH belt, or a vehicle seat belt following instructions in the *Installing the Car Seat without the SmartHub® Car Seat Base* section.



Either LATCH belt or vehicle seat belt

⚠WARNING

Death or Serious Injury Can Occur



DO NOT place rear-facing child seat on front seat with air bag. DEATH OR SERIOUS INJURY can occur. The back seat is the safest place for children 12 and under.

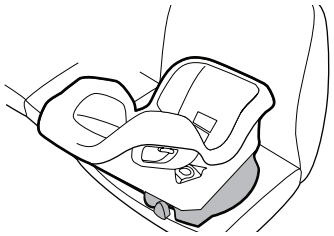
Installing the Car Seat on the SmartHub® Car Seat Base:

Overview

Once the SmartHub® car seat base is installed (see your SmartHub® car seat base manual), the car seat can be conveniently docked and locked onto the SmartHub® car seat base using the Orbit Baby SmartHub®. The car seat MUST be locked on the car seat base in the rear-facing position when the vehicle is in motion.

1. Installing the car seat on the SmartHub® car seat base:

See *Docking the Car Seat on the SmartHub® Car Seat Base.*



⚠ WARNING
Death or Serious Injury Can Occur

Never operate your vehicle unless the car seat is LOCKED into the rear-facing position. Check both rotation indicators on the SmartHub® car seat base. If either rotation indicator is red, re-secure the car seat to properly lock it on the SmartHub® car seat base.

When a release lever on the car seat is pulled, the car seat is not secured properly to the SmartHub® car seat base. Only use the release levers when rotating or removing the car seat. Do not allow children to operate the release levers.

Docking the Car Seat on the SmartHub® Car Seat Base

⚠WARNING
Death or Serious Injury Can Occur

PINCH HAZARD :

- Ensure that your child's fingers and hands are clear of release levers and other moving parts.
- When installing the car seat,make sure the hands of other vehicle occupants are clear of the SmartHub® area.

⚠WARNING
Death or Serious Injury Can Occur

The car seat must always be locked in the SmartHub® car seat base in the rear-facing position when the vehicle is in motion.

Docking the Car Seat on the SmartHub® Car Seat Base

Securing the car seat to the SmartHub® car seat base requires first lowering the car seat to snap into the SmartHub, then rotating the car seat to lock into the rear-facing position.

1. Make sure the top of the SmartHub® car seat base and SmartHub® are clear of objects (Photo A) before docking the car seat.

2. Grasp the car seat firmly (Photo B). Dock the bottom of the car seat into the SmartHub of the car seat base until you hear and feel a **CLICK** (Photo C).
   For increased comfort and ease of use, the car seat can be docked onto the SmartHub® car seat base from almost any angle.

3. Once the car seat is locked on the SmartHub, rotate the car seat until you hear and feel another **CLICK** as it locks into the rear-facing position. The car seat will only lock when rotated into the rear-facing position (Photo D). Note that it will only lock when the release levers are not pulled.

4. **CHECK** that the car seat is locked into rear-facing position by looking at the rotation indicators on either side of the SmartHub® car seat base (Photo E).
   If they show red (Photo F), the car seat is not locked rear-facing. Re-dock the car seat.

   If the rotation indicators show red with every docking attempt, do not use the car seat or SmartHub® car seat base, and contact Orbit Baby.

5. **RECHECK** that the car seat is locked into the rear-facing position by pushing down firmly on both sides of the car seat and pulling in several directions (Photo G) to be certain it is locked. It should not rotate out of the rear-facing position. If the car seat rotates out of rear-facing position, do not use the car seat and contact Orbit Baby.

   NOTE: A small amount of rotational movement is normal, but the car seat should not rotate out of rear-facing position and the rotation indicators should not be showing red.


A


B


C


D


E


F


G

Rotating and Removing the Car Seat from the SmartHub® Car Seat Base

⚠WARNING
Death or Serious Injury Can Occur

FALL HAZARD: Grasp the car seat firmly as shown in Photo A when removing it from the SmartHub® car seat base.
PINCH HAZARD: Clear your child's fingers and hands from the carry handle area before removing the car seat.

1. Grasp the car seat firmly with one hand holding a carry handle and the other positioned near the padded front of the seat (Photo A).

2. Squeeze either release lever (Photo B). As you squeeze the release lever, the car seat can be rotated.While still squeezing the release lever(s), lift the car seat off of the SmartHub® car seat base and remove it carefully from the vehicle.





Installing the Car Seat without the SmartHub® Car Seat Base

⚠WARNING
Death or Serious Injury Can Occur

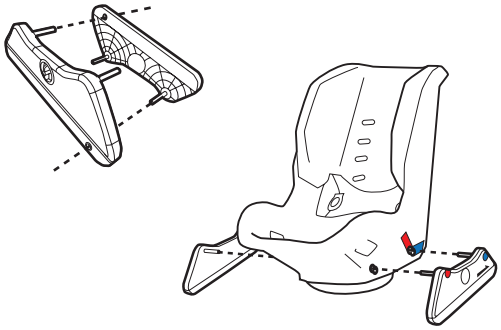
The car seat, without the SmartHub® car seat base, can fit securely in most vehicles using a vehicle seat belt. However, some vehicle belt systems are not acceptable for use with a car seat system.
If the vehicle seat belt does not remain tight or the car seat can move more than 1 in (2.5 cm) in any direction, your child could be seriously injured in a sharp turn, sudden stop, or crash. Move the car seat to another seating location and re-install. If in doubt, refer to the vehicle owner's manual for specific instructions regarding car seat use.

When installing the car seat without the SmartHub® car seat base, always use the Side Impact Braces.
Failure to use the braces will result in an unsafe installation. If you have misplaced your braces, visit www.orbitbaby.com/register or call 1-888-475-4056.

Installing the Car Seat without the SmartHub® Car Seat Base

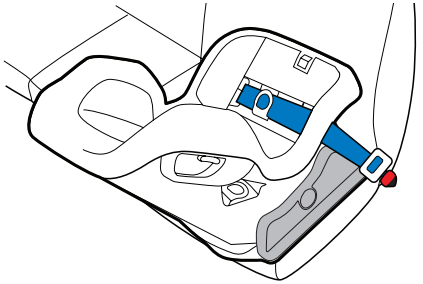
Overview

If you do not own a SmartHub® car seat base, or are traveling without your SmartHub® car seat base, the car seat can be secured in a vehicle without the SmartHub® car seat base using the Side Impact Braces with the included LATCH belt or an acceptable vehicle seat belt.



1. With LATCH :

See Installing the Car Seat: With LATCH



2. With vehicle lapshoulder belt :

See Installing the Car Seat : With Vehicle Seat Belt



Attaching the Side Impact Braces to the Seat, Rear-facing

The Side Impact Braces are two supports (left and right) that ensure a stable and secure installation of the Toddler Car Seat when installed in the car without the SmartHub® car seat base. They come nested together in your Orbit Baby Toddler Car Seat.

Before starting the installation, pull the two braces apart so they are ready to be attached (Photo A) . On each side of the car seat, you will see two brace plugs - small grey, figure-8 shapes. Each plug has an opening that will accept one of the metal rods extending from the brace (Photo B).

1. Ensure that the locking knob on each brace is turned to UNLOCKED. (Photo C). Push in and turn to change position of locking knob if needed.
2. Position each brace on the appropriate side of the car seat for rear-facing use: Make sure that the BLUE strip on the brace is aligned with the BLUE rear- facing strip at the back of the car seat, and that the FRONT OF VEHICLE arrow will face the front of your vehicle (Photo D).
3. Slide both brace rods evenly into the brace plug openings in the shell until the brace is fully inserted and you cannot see the brace rods anymore (Photos E and F).
4. To lock the brace, first push the locking knob in, then turn (Photo G). Pull on the brace to ensure that it is locked in position.

NOTE: A small amount of movement is normal, but the brace should not pull off.

5. Install the remaining brace on the other side of the car seat by following steps 1-4.

NOTE: The Toddler Car Seat can still be used on the Orbit Stroller when the braces are installed. Place the car seat either forward- or rear-facing. However, the braces prevent the car seat from rotating on the stroller and can interfere with the Stroller Panniers accessory. To restore full rotation on the Orbit Stroller, remove the braces and store for future use in an accessible location. Do not throw these braces away.
NOTE: The Toddler Car Seat cannot dock onto the SmartHub® car seat base when the braces are attached.


A
FRONT OF VEHICLE


B
FRONT OF VEHICLE


C
PUSH AND TURN


D
orbit baby
WARNING
FRONT OF VEHICLE


E


F
orbit baby
WARNING
FRONT OF VEHICLE


G
FRONT OF VEHICLE

Removing the Side Impact Braces

1. Un-install your Toddler Car Seat from your car or have the car seat docked securely either directly forward- or rearfacing on the Orbit Stroller.

2. Turn the locking knob on the Side Impact Brace to the UNLOCKED position by first pushing it in, then turning (Photo A).

3. Pull out evenly on both sides of the brace until the brace rods disengage completely from the car seat shell (Photo B).

4. By rotating one brace around, you can nest the braces together in their storage position (Photo C). Store braces for future use in an accessible location. Do not throw these braces away.



Installing the Car Seat : With lower anchor attachments

Before you install the car seat in your vehicle, make sure the vehicle is parked on level ground.

1. Attach the Side Impact Braces in a rearfacing position: see pages 46-47.

2. To access the lower anchors, open the rear access panel by unclipping the back clip (Photo A).

3. Remove the lower anchor attachments from their pockets (Photo B). The lower anchor belt is permanently attached to the car seat by a black strap called the lower anchor leash.

4. For ease of installation, lengthen the lower anchor attchment belt by pressing the grey pushbutton adjusters on the buckles and pulling on the belt.

5. When closing the rear access panel, look for the notches on the sides near the bottom of the panel (photo C). Position the LATCH leash in either the left or right notch so that the panel closes. The LATCH leash will wrap around the car seat on this same side. Close the clip on the back of the rear access panel to secure.







Installing the Car Seat: With lower anchor attachments cont'd

6. Position the car seat rear-facing on the vehicle seat. The car seat should face the rear of the vehicle. The FRONT OF VEHICLE arrow on the braces should point to the front of your vehicle.

7. Open the upholstery lower panel marked by the blue dot (Photo D).

8. Fully open both arms of the blue belt lock-off clamp that will be closest to the center of the vehicle in the final installation (Photo E).

   NOTE: If installing the seat in the center position, open both arms of either lock-off clamp. Only one clamp is needed for a secure installation.

9. Feed the LATCH belt through the rear- facing belt path in the car seat shell (photo C) and the open arms of one of the blue lock-off clamps. Start at the outside of the shell and finish on the other side of the car seat.







Ensure that the logo on the lower anchor attachments face the outside of the vehicle and the *UP* arrows face the roof of the vehicle (PhotoF). Center the colored stitch line of the lower anchor attachment belt on the car seat shell (Photo G).

NOTE: If the crotch belt is in one of the two shell slots closest to the seat back, the LATCH belt should run in front of the crotch belt. With the crotch belt in the most forward shell slot, the LATCH belt should be positioned behind the crotch belt.

10. Close the lock-off clamp to secure the lower anchor attachment belt by pressing down both clamp arms firmly and locking them in place. (Listen for a CLICK) (Photo H).

11. If the vehicle seat back is adjustable, lock the vehicle seat back into the upright position.

12. Center the car seat on the vehicle seat between the vehicle lower anchor points anchorages (Photo I), making sure the area between the vehicle lower anchor points anchorages and the areas under and behind the car seat are clear of obstructions.







Installing the Car Seat: With lower anchor attachments cont'd

13. Check that the car seat is level by looking at the level indicator on the Side Impact Brace (Photo J). The white indicator ball must be in the blue level zone on the brace (Photo K). If the white indicator ball is not in the blue level zone(Photo L), try any of the following:
    a. Remove the car seat. Position a rolled towel under the back of the brace (Photo M), The towel should be compressed as the LATCH belt is tightened.
    b. Install the car seat in a different vehicle seating position.
    c. Seek assistance from one of the resources in the *Need Help Securing Your Car Seat*? section.

⚠WARNING
Death or Serious Injury Can Occur

To prevent ejection, the car seat must be properly reclined. The white level indicator ball in the Brace must be in the blue level zone when installed.

J



K



L



14. Attach both to their corresponding vehicle points on each side of the car seat. With the attachments oriented with the logo facing outward and the UP arrows facing the roof of the vehicle, push them straight onto the metal bars until you hear and feel a **CLICK** (Photo N).

15. Pull out on each to be sure it is locked onto the vehicle's anchorage point.

16. Tighten the belt around the car seat by pushing down on alternating sides of the car seat rim while pulling on the belt loop to remove all of the slack (Photo O).







Installing the Car Seat: With lower anchor attachments cont'd

You know that you have reached the optimal tightness when you tug on the car seat at the belt path (Photo P), and the car seat does not move more than 1 in (2.5 cm) in any direction.

17. **RE-CHECK** the following to make sure that the car seat installation is secure:
    a. **CHECK** that the car seat installation is not loose. It should not move by more than 1 in (2.5 cm) in any direction when checked at the belt path.

    b. **CHECK** that the car seat is level by making sure that white indicator ball is in the blue level zone on the Side Impact Brace (Photo Q).

    If the car seat is loose or if the white indicator ball is not in the blue level zone, remove and re-install the car seat beginning at Step 11.

18. Close the lower upholstery panel.





Installing the Car Seat : With Vehicle Seat Belt

Before you install the car seat in your vehicle, make sure the vehicle is parked on level ground.

1. Attach the Side Impact Braces in a rearfacing position: see pages 46-47.

2. Position the car seat rear-facing on the vehicle seat. The car seat should face the rear of the vehicle. The FRONT OF VEHICLE arrow on the braces should point to the front of your vehicle (Photo A).

3. If the vehicle seat back is adjustable, lock the vehicle seat back into the upright position.

4. Center the car seat on the vehicle seat (Photo B), making sure the areas under and behind the car seat are clear of obstructions.

5. Check that the car seat is level by looking at the level indicator on the Side Impact Brace (Photo C).







Installing the Car Seat : With Vehicle Seat Belt cont'd

The white indicator ball must be in the blue level zone on the brace (Photo D). If the white indicator ball is not in the blue level zone (Photo E), try any of the following:

a. Remove the car seat. Position a rolled towel under the back of the brace (Photo F). The towel should be compressed as the LATCH belt is tightened.
b. Install the car seat in a different vehicle seating position.
c. Seek assistance from one of the resources in the *Need Help Securing Your Car Seat*? section.

⚠WARNING
Death or Serious Injury Can Occur

To prevent ejection, the car seat must be properly reclined. The white level indicator ball in the brace must be in the blue level zone when installed.

D



E



F



6. Open the upholstery lower panel marked by the blue dot (Photo G).

7. Fully open both arms of the blue belt lockoff clamp that will be closest to the center of the vehicle in the final installation (Photo H).
   NOTE: If installing the seat in the center position, open both arms of either lockoff clamp. Only one clamp is needed for a secure installation.

If using a lap-shoulder vehicle belt to secure the SmartHub® car seat base, continue to Step 8. If using a vehicle lap belt, skip to Step 11.

If using a lap-shoulder vehicle belt:

8. Feed both the shoulder and lap portions of the belt through the rear-facing belt path openings in the shell (Photo I) and the open arms of the blue lock-off clamp. Buckle the seat belt buckle.







Installing the Car Seat : With Vehicle Seat Belt cont'd

NOTE: If the crotch belt is in one of the two shell slots closest to the seat back, the vehicle belt should run in front of the crotch belt. With the crotch belt in the most forward shell slot, the vehicle belt should be positioned behind the crotch belt.

9. Tighten the vehicle belt around the car seat by pushing down on alternating sides of the car seat rim while pulling on the shoulder portion of the vehicle belt to remove all of the slack (Photo J).

10. While continuing to hold the shoulder portion of the vehicle belt, push down both arms of the open blue clamp firmly until they lock (Listen for a **CLICK**) (Photo K). Ensure that the belts are centered over the clamp cams. Pushing down on the clamp arm with the Orbit logo will make it easier to lock the blue arm of the clamp in place. Continue on to step 11.

    NOTE: The blue lock-off clamp is recessed in the car seat shell and will do the final tightening when you push down the arms of the blue clamp. It may be difficult to close the clamp if you have pulled the belts overly tight.

J



K



Installing the Car Seat : With Vehicle Seat Belt cont'd

11. Check the seat for a tight installation.
    You know that you have reached the optimal tightness when you tug on the car seat at the belt path (Photo L) and the car seat does not move more than 1 in (2.5 cm) in any direction.

12. **RE-CHECK** the following to make sure that the car seat installation is secure :
    a. **CHECK** that the car seat installation is not loose. It should not move by more than 2.5 cm (1 in) in any direction when checked at the belt path.
    b. **CHECK** that the car seat is level by making sure that the white indicator ball is in the blue level zone on the Side Impact Brace (Photo M).

    If the car seat is loose or if the white indicator ball is not in the blue level zone (Photo N), remove and re-install the car seat beginning at Step 2.







13. Lap-shoulder vehicle belt systems in some vehicles have an Automatic Locking Mode which locks the shoulder portion of the belt and keeps it from becoming a strangulation hazard to older children or siblings. Orbit Baby recommends engaging this mode by pulling the shoulder portion of the belt out completely from the vehicle, then letting go. You should hear a soft clicking sound as you allow the belt to retract back into the vehicle. Check that you are in the locking mode by tugging on the shoulder portion of the belt and verifying that it doesn't extend.

14. Close the lower upholstery panel.

Notes

Forward-facing Installation

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Installing the Car Seat: With Vehicle Seat Belt and tether	**72**
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NOTE: In the forward-facing orientation, the Toddler Car Seat must be used with the included Side Impact Braces. It is not possible to dock the Toddler Car Seat onto the Orbit Baby SmartHub® car seat base forward-facing.
NOTE: Safety technicians also recommend always using the tether.
NOTE: Safety technicians and the American Academy of Pediatrics recommend keeping your child in a rear-facing position for as long as possible they still meet the Weight and Height Recommendations listed on pages 18-20.



Choosing Installation Options

1. Installing the car seat forward-facing with child weight UP TO 40 lbs (18 kg):

The car seat can be installed **EITHER** using the included LATCH belts, or with a vehicle seat belt and tether following instructions in the Installing the Car Seat section of this manual.



Either LATCH belt or vehicle seat belt

2. Installing the car seat forward-facing with child weight MORE THAN 40 lbs (18 kg):

The car seat can **ONLY** be installed using a vehicle seat belt and tether following instructions in the Installing the Car Seat section of this manual. Do not use the lower anchor attchments of the child restraint system to attach the Toddler Car Seat when restraining a child weighing more than 40 lbs (18 kg) with the internal harnesses of the Toddler Car Seat.



⚠ WARNING

Death or Serious Injury Can Occur

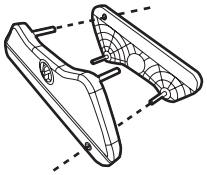


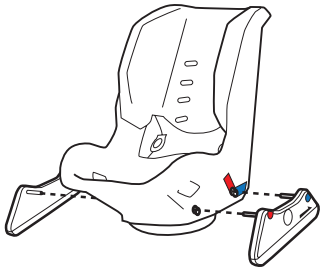
DO NOT place child seat on front seat with air bag. DEATH OR SERIOUS INJURY can occur. The back seat is the safest place for children 12 and under.

Installing the Car Seat

Overview

The car seat can be secured in a vehicle using the Side Impact Braces with the included LATCH belt or an acceptable vehicle seat belt.



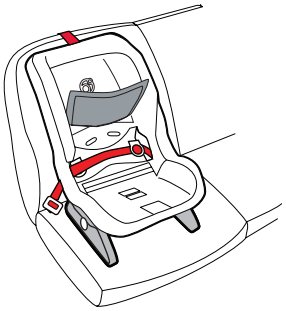


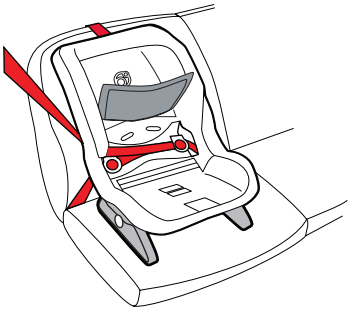
1. With LATCH :

See Installing the Car Seat : With LATCH

2. With vehicle lap shoulder belt and tether :

See Installing the Car Seat : With Vehicle Seat Belt





⚠WARNING
Death or Serious Injury Can Occur

The car seat, without the Smart-Hub® car seat base, can fit securely in most vehicles using a vehicle seat belt. However, some vehicle belt systems are not acceptable for use with a car seat system.
If the vehicle seat belt does not remain tight or the car seat can move more than 1 in (2.5 cm) in any direction, your child could be seriously injured in a sharp turn, sudden stop, or crash. Move the car seat to another seating location and re-install. If in doubt, refer to the vehicle owner's manual for specific instructions regarding car seat use.
When installing the car seat forward-facing, always use the Side Impact Braces.
Failure to use the braces will result in the car seat not being securely held in place. If you have misplaced your braces, visit www.orbitbaby.com or call 1-888-475-4056.

Attaching the Side Impact Braces to the Seat, Forward-facing

The Side Impact Braces are two supports (left and right) that ensure a stable and secure installation of the Toddler Car Seat when installed in the car without the SmartHub® car seat base. They come nested together in your Orbit Baby Toddler Car Seat.

Before starting the installation, pull the two braces apart so they are ready to be attached (Photo A) . On each side of the car seat, you will see two brace plugs - small grey, figure-8 shapes. Each plug has an opening that will accept one of the metal rods extending from the brace (Photo B).

1. Ensure that the locking knob on each brace is turned to UNLOCKED. (Photo C). Push in and turn to change position of locking knob if needed.

2. Position each brace on the appropriate side of the car seat for forward-facing use: Make sure that the RED strip on the brace is aligned with the RED forward-facing strip at the back of the car seat, and that the FRONT OF VEHICLE arrow will face the front of your vehicle (Photo D).

3. Slide both brace rods evenly into the brace plug openings in the shell until the brace is fully inserted and you cannot see the brace rods anymore (Photos E and F).

4. To lock the brace, first push the locking knob in, then turn (Photo G). Tug on the brace to ensure that it is locked in position.
   NOTE: A small amount of movement is normal, but the brace should not pull off.

5. Install the remaining brace on the other side of the car seat by following Steps 1-4.















NOTE: The Toddler Car Seat can still be used on the Orbit Stroller when the braces are installed. Place the car seat either forward- or rear-facing.
However, the braces prevent the car seat from rotating on the stroller and can interfere with the Stroller Panniers accessory. To restore full rotation on the Orbit Stroller, remove the braces remove the braces and store for future use in an accessible location. Do not throw these braces away.

NOTE: The Toddler Car Seat cannot dock onto the SmartHub® car seat base when the braces are attached.

Installing the Car Seat : With LATCH

Do not use the lower anchor attachments of the child restraint system to attach the Toddler Car Seat when restraining a child weighing more than 40 lbs (18 kg) with the internal harnesses of the Toddler Car Seat .

1. Attach the Side Impact Braces in a forward-facing position: see pages 66-67.

2. To access the lower anchor attachments, open the rear access panel by unclipping the back clip (Photo A).

3. Remove from their pockets (Photo B). The belt is permanently attached to the car seat by a black strap called the leash.
   You will be attaching the tether later(refer to page 76), unclip and remove thetether hook from pocket.

4. For ease of installation, lengthen the belt by pressing the grey pus button adjusters on the buckles and pulling on the belt.

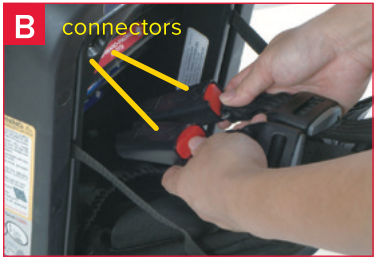
5. When closing the rear access panel, look for the notches on the sides near the bottom of the panel (Photo D). Position the leash in either the left or right notch so that the panel closes. The leash will wrap around the car seat on this same side. If using the tether (recommended, refer to page 87) fully pull the it out of the pocket. Close the rear access panel and secure it with the clip.

6. Position the car seat forward-facing on the vehicle seat. The car seat should face the front of the vehicle. The FRONT OF VEHICLE arrow on the braces should point to the front of your vehicle. If using the tether, drape it over the rear of the vehicle seat; it will be secured later. (Photo E)

7. Unbuckle the restraint harness on the seat. Lift the upper upholstery panel marked by the red dot (Photo E). It will stay out of the way by wedging it into the sides of the upholstery (Photo F).

8. Fully open both arms of the red belt lockoff clamp that will be closest to the center of the vehicle in the final installation (Photo G).















NOTE: If installing the seat in the center position, open both arms of either lockoff clamp. Only one clamp is needed for a secure installation.

Installing the Car Seat : With LATCH cont'd

9. Feed the belt through the forwardfacing belt path in the car seat shell and the open arms of one of the red lock-off clamps. Start at the outside of the shell and finish on the other side of the car seat. Ensure that the logo on the connectors face the outside of the vehicle and the *UP* arrows face the roof of the vehicle. (Photo H). Center the colored stitch line of the Belt on the car seat shell (Photo I).

10. Close the lock-off clamp to secure the belt by pressing down both clamp arms firmly and locking them in place (Listen for a **CLICK**) (Photo J).

11. If the vehicle seat back is adjustable, lock the vehicle seat back into the upright position.

12. Center the car seat on the vehicle seat between the vehicle (Photo K), making sure the area between the vehicle and the areas under and behind the car seat are clear of obstructions.

13. Attach both connectors to their corresponding vehicle anchorages on each side of the car seat. With the connectors oriented with the logo facing outward and the *UP* arrows facing the roof of the vehicle, push them straight onto the metal bars until you hear and feel a **CLICK** (Photo L).

14. Pull out on each to be sure it is locked onto the vehicle's anchorage point.

15. Tighten the belt around the car seat by pushing down on alternating sides of the car seat rim while pulling on the belt loop to remove all of the slack (Photo M).

16. Close the upper upholstery panel and install the tether: See pages 76-77.

    You know that you have reached the optimal tightness when you tug on the car seat at the belt path (Photo N) and the car seat does not move more than 1 in (2.5 cm) in any direction at the belt path. If the car seat is loose, remove and reinstall the car seat beginning at Step 11.

H



K



N



I



L



J



M



Installing the Car Seat : With Vehicle Seat Belt and tether

1. Attach the Side Impact Braces in a forward-facing position: see pages 66-67.

2. You will be attaching the tether later (refer to page 76), open the rear access panel by unclipping the back clip (Photo A).

3. Fully pull the tether out of the pocket (Photo B). Close the rear access panel and secure it with the clip.

4. Position the car seat forward-facing on the vehicle seat. The car seat should face the front of the vehicle. The FRONT OF VEHICLE arrow on the braces should point to the front of your vehicle (Photo C). If using the tether,drape it over the rear of the vehicle seat; it will be secured later.

5. If the vehicle seat back is adjustable, lock the vehicle seat back into the upright position.

6. Center the car seat on the vehicle seat (Photo D), making sure the areas under and behind the car seat are clear of obstructions.

7. Unbuckle the restraint harness on the seat.Lift the upper upholstery panel marked by the red dot . It will stay out of the way by wedging it into the sides of the upholstery (Photo E).

8. Tighten the vehicle belt around the car seat by pushing down on alternating sides of the car seat rim while pulling on the shoulder portion of the vehicle belt to remove all of the slack (Photo F).
   NOTE: Ensure there is no slack in the lap portion of the belt before tightening the shoulder portion of the belt. This will result in a tighter installation.


A
rear access panel
back clip


B


C


D


E


F

Installing the Car Seat : With Vehicle Seat Belt and tether cont'd

9. Ensure that the belts are centered in the clamp. While continuing to hold the shoulder portion of the vehicle belt, push down both arms of the open red second clamp firmly until it locks on the lap and shoulder portions of the belt (Listen for a **CLICK**) (Photo G). Next, push down both arms of the red first clamp on only the lap portion of the belt. Pushing down on the clamp arms with the Orbit logo will make it easier to lock the red arms of the clamps in place. Continue on to Step 12.

   NOTE: If installing the seat in the center position, open both arms of either lock-off clamp. Only one clamp is needed for a secure installation.

10. Tighten the vehicle belt around the car seat by pushing down on alternating sides of the car seat rim while pulling on the loose end of the lap belt to remove all of the slack (Photo H).

11. Ensure that the belt is centered in the clamp. Push down both arms of the open red clamp firmly until it locks (Listen for a **CLICK**). Pushing down on the clamp arm with the Orbit logo will make it easier to lock the red arm of the clamp in place.

12. Check the seat for a tight installation.
    You know that you have reached the optimal tightness when you tug on the car seat at the belt path (Photo I) and the car seat does not move more than 1 in (2.5 cm) in any direction.
    If the car seat is loose, remove and reinstall the car seat beginning at Step 4.

13. Lap-shoulder vehicle belt systems in some vehicles have an Automatic Locking Mode, which locks the shoulder portion of the belt and keeps it from becoming a strangulation hazard to older children or siblings. Orbit Baby recommends engaging this mode by pulling the shoulder portion of the belt out completely from the vehicle, then letting go. You should hear a soft clicking sound as you allow the belt to retract back into the vehicle. Check that you are in the locking mode by tugging on the shoulder portion of the belt and verifying that it doesn't extend.

14. Close the upper upholstery panel and install the tether: See pages 76-77.


G


H


I

Installing the Tether

Orbit Baby recommends using the tether at all times while forward-facing if you have a tether achor in your car; using the tether will improve the stabilityof the child restraint and will reduce risk of njury. The tether should only be used when the child restraint is forward-facing. The tether should only be anchored to approved anchorage points. Some tether anchors are identified by a tether anchor symbol (Photo A); check your vehicle owner's manual for locations and more information. Older cars may not have tether anchorage points. The Toddler Car Seat should be fully installed BEFORE attaching the tether.

1. If the tether is not already fully out of the rear access panel, open the panel by unclipping the back clip and remove the tether from the pocket (Photo B).

2. Close the rear access panel (Photo C) and clip the back clip.

3. Check with the vehicle owner's manual to determine the shortest path from the child restraint to the tether anchorage.This may involve raising the vehicle headrest so the tether belt travels directly over the top of the seat (Photo D).

4. Clip the tether hook to the tether anchorage (Photo E). For more slack, push down on the grey push-button adjuster and loosen the strap.

5. Once the tether hook is clipped, pull on the adjuster loop to remove all slack from the tether (Photo F).

6. Verify that the tether is tight by pulling forward on the top of the child restraint to make sure all green colors are exposed on the buckle (Photo G). The car seat should not movemore than 1in (2.5 cm) at the belt path.

A



B



C



D



E



F



G



Securing Your Child

Sizing the Restraint Harness to Your Child	**79**
Adjusting the Headrest	**86**
Securing Your Child with the Restraint Harness	**88**

NOTE: Safety technicians and the American Academy of Pediatrics recommend keeping your child in a rear-facing position for as long as possible provided they still meet the *Weight and Height Recommendations* listed on pages 18-20.

NOTE: The restraint harness is made up of the shoulder straps, crotch belt and adjuster strap.



Sizing the Restraint Harness to Your Child

⚠WARNING
Death or Serious Injury Can Occur

Failure to properly position and adjust the shoulder straps to your child's size increases the risk of serious injury or death in the event of a sharp turn, sudden stop or crash.

- For rear-facing installations, the shoulder straps must be BELOW the top of the child's shoulders.
- For forward-facing installations, the shoulder straps must be ABOVE the top of the child's shoulders.
- The restraint harness must be snugly adjusted to your child. Remove bulky jackets before securing with harness.

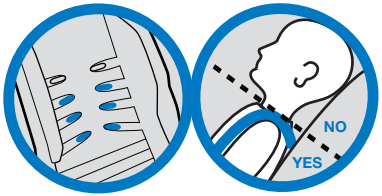
It is important to check the position of the shoulder straps periodically as your child grows to ensure they are in the correct position. **You also must adjust the straps when switching the car seat from rear-facing to forward-facing.**

The shoulder and thigh portions of the restraint harness must be correctly positioned on your child to properly secure your child in a sudden stop or crash.

Sizing the Restraint Harness to Your Child cont'd

Positioning the shoulder strapheight :

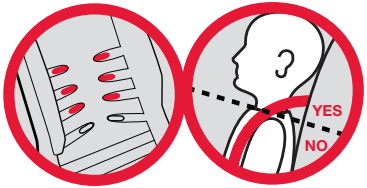
Determine whether you will be installing your car seat rear--facing or forward-facing. Orbit Baby recommends keeping your child in a rear-facing position for as long as possible. For a rear-facing installation, the shoulder belts must be BELOW the top of your child's shoulders as shown in the blue circles and in Photo A (shown without shoulder pad for clarity). Use only the lower three shoulder strap slots on the car seat.



For a forward-facing installation, the shoulder belts must be ABOVE the top of your child's shoulders as shown in the red circles and in Photo B. Use one of the top three top shoulder strap slots on the car seat.







After determining whether you will install the car seat rear-facing or forward-facing, place your child in the car seat, ensuring that they are sitting up straight and contacting both the seat back and seat bottom. Determine which pair of shoulder strap slots are the correct ones for your child's shoulder height (Photo C).

Shoulder straps not positioned in the correct position will not hold your child securely in a sudden stop or crash.



Sizing the Restraint Harness to Your Child cont'd

Changing shoulder strap position :

1. Loosen the restraint harness by pressing the adjuster strap lock and pulling on the shoulder straps (Photo D).

2. Open the rear access panel and pull on the restraint harness from the front to pull up the metal splitter plate, along with the strap loops (Photo E).

3. Unhook each shoulder strap loop from the metal splitter plate (Photo F).

4. From the front of the car seat, pull the shoulder straps out from their slots and re-thread each shoulder strap through the correct corresponding upholstery slots and plastic shell slots (Photo G). Note: It will be necessary to adjust the headrest at the same time. See Adjusting the Headrest on page 96.

5. **CHECK** that each shoulder strap is threaded into slots at the same height and that neither shoulder strap is twisted.

D



E



F



6. Turn to the back of the car seat again and secure each shoulder strap loop entirely onto the splitter plate as shown (Photo H).

7. **CHECK** that the straps are secured by pulling on the shoulder straps from the front.

8. **CHECK** that the upholstery and headrest around the shoulder strap slots do not interfere with the free movement of the restraint harness.

9. Close the rear access panel.

Adjusting the shoulder straps :

The shoulder straps can be adjusted using the adjuster strap lock. It is located under the lower upholstery panel denoted by the blue dot at the front of the car seat. Always pull on the adjuster strap in a downwards direction.

1. To loosen shoulder straps, press down on the adjuster strap lock and pull on both shoulder straps (Photo D).

2. To tighten the shoulder straps, pull on the adjuster strap that hangs from the front of the car seat (Photo I).







Sizing the Restraint Harness to Your Child cont'd

Adjusting the fit of the crotch belt :

The crotch buckle itself cannot be lengthened but its position can be adjusted. When correctly positioned, it should originate behind the child's crotch and fit snugly and comfortably. If the crotch belt is positioned too far forward, it will not hold your child securely in a sudden stop or crash.

Moving the crotch belt to a different slot:

1. Remove your child from the car seat.
2. Remove the crotch pad from the crotch belt.
3. Open the lower upholstery panel (Photo J).
4. Feed the crotch buckle down through the upholstery (Photo K).
5. Open the front access panel underneath the car seat (Photo L).
6. Find the metal plate under the shell that secures the crotch belt in its slot.

J



K



L



7. To remove the crotch buckle, turn the metal plate vertical and feed it up through the shell (Photo M).

8. Keeping the plate vertical, feed it back down into the shell in the new slot.

9. Let go of the plate and feed the crotch buckle up through the upholstery in the correct slot (Photo N). Pull up on crotch buckle to confirm it is properly secured.

10. Close the crotch buckle flap (Photo O) in the lower upholstery and secure the front access panel.







Adjusting the Headrest

The headrest can be adjusted to the height of your growing child and corresponds to the position of the shoulder strap height.

1. Unbuckle the chest clip. (Photo A)

2. Pull each side cushion of the headrest away from the upholstery. (Photo B)

3. On the back of the headrest, undo the tabs on both sides. (Photo C)







4. Slide the headrest out between the harnesses. (Photo D)



⚠WARNING
Death or Serious Injury Can Occur

Failure to properly position and adjust the shoulder straps to your child's size increases the risk of serious injury or death in the event of a sharp turn, sudden stop or crash.

- The shoulder straps must be correctly positioned on your child.
- The restraint harness must be snugly adjusted to your child. Remove bulky jackets before securing with harness.

PINCH HAZARD : When buckling, make sure all fingers and hands are free from chest clip and buckle tongues.

STRANGULATION HAZARD :
Never leave child in car seat when restraint harness is loose or undone.



Buckling the restraint arness :

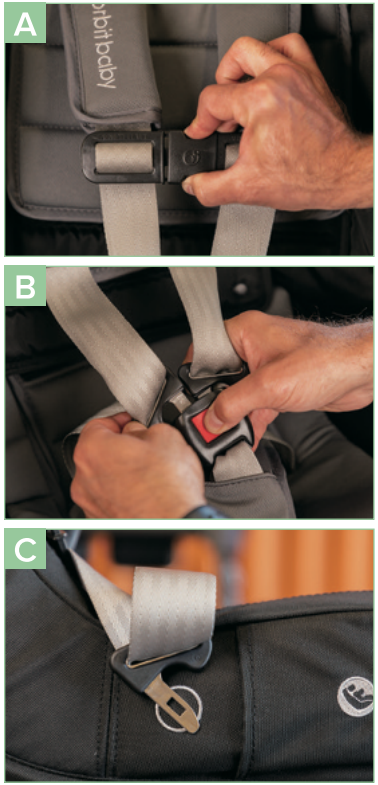
1. Unbuckle the restraint harness by squeezing the tabs on the chest clip as shown (Photo A).

2. Unbuckle both buckle tongues by pushing the red button on the crotch buckle (Photo B).

3. To hold the harness out of the way, secure the buckle tongues to the magnets on the outside of the car seat (indicated with an open circle, Photo C). Hold the crotch belt out of the way by flipping it forward onto the lower upholstery panel.

4. Place your child into the car seat, making sure both the child's back and bottom are fully supported by the seating surfaces.

5. Position the restraint harness around the child's shoulders and thighs. The crotch pad should be between the child and the crotch buckle.



Securing Your Child with the Restraint Harness cont'd

6. **CHECK** that there are no twists in the restraint harness straps (Photo D).

7. Insert both buckle tongues into the crotch buckle (Photo E). You should hear and feel a **CLICK** as each buckle tongue is inserted into the buckle.

8. Pull up on the buckle tongues to **CHECK** that they are locked. DO NOT use the car seat if the restraint harness does not lock in place, and contact Orbit Baby.

9. Gently pull up on the shoulder straps to tighten the lap section of the restraint harness (Photo F).







10. **CLICK** the chest clip pieces together and position the chest clip at armpit level, as shown (Photo G).

11. Slowly pull the adjuster strap to snugly adjust the restraint harness onto the child (Photo H).

12. **CHECK** again that the restraint harness is not twisted (Photo D).

13. **CHECK** that the restraint harness is snug on shoulder and thighs. At your child's shoulder, try to pinch the webbing up and down; your fingers should slide off. (Photo I). A snug strap 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.







Securing Your Child with the Restraint Harness cont'd

Unbuckling the restraint harness :

1. Loosen the restraint harness by pressing and holding the adjuster strap lock, while pulling out on the shoulder straps (Photo J).

2. Open the chest clip by squeezing the tabs (Photo K).

3. Unbuckle the crotch buckle by pressing the red button (Photo L).

J



K



L



Notes

Using and Traveling with Your Car Seat

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Terms You Need To Know : Stroller (sold separately)



Using the Car Seat on the Stroller

Refer to the instruction manual that accompanied your Orbit Baby Stroller for complete instructions on using and maintaining your stroller.

⚠WARNING
Death or Serious Injury Can Occur

When using the Helix SmartHub Attachment, never use the Toddler Car Seat on the rear SmartHub. Use the Toddler Car Seat only on the front SmartHub. Always secure your child with the restraint harness when using the car seat with the stroller.

Avoid injuries to your child during stroller use:

• Always fully support the car seat by firmly grasping both carry handles when docking and undocking from the stroller. • Always make sure the car seat is securely locked into the SmartHub of the stroller. • Only rotate the car seat when the stroller is stationary and the parking brakes are locked. • Always make sure that the car seat is locked in front- or rear-facing position before strolling. Side-facing positions are for stationary use only. • To avoid tip over risks, max. weight is 33lbs (15kg) when used on the stroller base.

PINCH HAZARD: Keep hands and fingers clear of moving parts, the release levers, and the SmartHub.

Weight Restrictions

Your child must weigh 50 lbs (23 kg) or less to use the Toddler Car Seat on the Orbit Stroller.

lower anchor attachment Storage

For toddler car seats installed with then transferred to the stroller, you can store connectors in side pockets while strolling (Photo A).

Tether Storage

When transferring the Orbit Toddler Car Seat to the stroller, always store the tether in the rear access panel so that it does not drag on the ground or become tangled in the stroller (Photo B).

Using the Stroller with Braces

The Toddler Car Seat can still be used on the stroller when the Side Impact Braces are installed (Photo C).

Note: Using the braces will not allow rotation of the car seat on the stroller. To rotate your car seat on the stroller, remove the races and store them for future use in an accessible location. Do not throw these braces away. The braces may be removed while the car seat is docked on the stroller.

A



B



C



Using the Car Seat on the Stroller cont'd

Docking and rotating the car seat :

1. Make sure the stroller is unfolded, and the SmartHub is clear of objects, before docking the car seat.

2. Lock the brakes on the stroller.

3. Grasp the car seat firmly with one hand holding a carry handle and the other positioned near the padded front of the seat (Photo A). Dock the bottom of the car seat into the SmartHub until you hear and feel a **CLICK** (Photo B).

4. Rotate the car seat to a locking position. **CHECK** the security of the docking by pulling up on the car seat.

5. To rotate the car seat, grasp the carry handle, pull the release lever and rotate to the next locking position (Photo C).

Undocking and removing the car seat :

1. Lock the parking brakes on the stroller.

2. Grasp the car seat firmly by both carry handles.

3. Squeeze either release lever upwards.

4. Lift the car seat out of the Stroller and remove it carefully.

A



B



C



Terms You Need To Know : Rocker (sold separately)

⚠WARNING
Death or Serious Injury Can Occur

Always secure your child with the restraint harness when using the car seat with the rocker.
PINCH HAZARD : Keep hands and fingers, especially of children,clear of moving parts and the SmartHub.
To avoid tip over risks, max. weight is 33lbs (15kg) when used on the rocker base.

Refer to the instruction manual that accompanied your Orbit Baby Rocker for complete instructions on using and maintaining your rocker.



Using the Car Seat on the Rocker

Docking and rotating the car seat :

1. Make sure the rocker is fully assembled, and the SmartHub is clear of objects, before docking the car seat.

2. Lock the anti-rock arms on the rocker.

3. Grasp the car seat firmly with one hand holding a carry handle and the other positioned near the padded front of the seat (Photo A). Dock the bottom of the car seat into the Smart-Hub until you hear and feel a **CLICK** (Photo B).

4. Rotate the car seat to a locking position. **CHECK** the security of the docking by pulling up on the car seat.

5. To rotate the car seat, grasp the carry handle, pull the release lever and rotate to the next locking position (Photo C).

Undocking and removing the car seat :

1. Lock the anti-rock arms on the rocker.

2. Grasp the car seat firmly by both carry handles.

3. Squeeze either release lever upwards.

4. Lift the car seat out of the rocker and remove it carefully.







Using the Car Seat on an Aircraft

The Orbit Baby Toddler Car Seat is certified for use in aircraft when used with the Side Impact Braces and without the SmartHub® car seat base and is labeled as such on the car seat side label in red lettering. Most airlines in the U.S. will allow the use of a car seat that is labeled as an approved child restraint for aircraft use. Always contact the airline about their car seat policy before traveling, and follow their guidelines for car seat use.



The Orbit Baby Toddler Car Seat is certified for use in aircraft when installed WITH the Side Impact Braces and WITHOUT the SmartHub® car seat base. It cannot be used with Smart-Hub® the car seat base.

To secure the car seat rear-facing in an aircraft seat : Follow the instructions in the rear-facing section *Installing the Car Seat : With Vehicle Seat Belt* using a vehicle lap belt.

To secure the car seat forward-facing in an aircraft seat : Follow the instructions in the forward-facing section *Installing the Car Seat : With Vehicle Seat Belt* using a vehicle lap belt.

1. You should choose the same orientation (either rear- or forward-facing) for an aircraft installation as you would use in a car for your child at that time.

2. Make sure that the aircraft seat belt can be tightly secured around the car seat. If the aircraft lap belt is too short, ask your flight attendant for a belt extender. Do not use the car seat if the aircraft seat belt does not hold the car seat tightly.

3. Recline the aircraft seat back when instaling the seat; then bring it back upright for an even tighter installation.

Using the Car Seat on an Aircraft cont'd

Tips For using the car seat with your child on an aircraft :

1. Reserve a separate aircraft seat for your child and the car seat.

2. Contact the airline in advance to be sure this car seat complies with their specific requirements, and to check whether they will provide discounted tickets for children.

3. Familiarize yourself before the flight with the appropriate Installing the Car Seat: With Vehicle Belt section of this manual, watch installation videos and read FAQ's on our website at www.orbitbabyusa.com/support, and practice the installation at home.

4. Ensure your manual is in the pocket of the rear access panel on the back of your car seat for your reference.

5. Bulkhead seats or business class seats are preferred, as they have more room in front of them.

6. Install your car seat in a window seat to avoid blocking egress from the row.

7. Take advantage of pre-boarding for families with children. The extra time will help to get the car seat installed securely.

Using the Sunshade

⚠WARNING
Death or Serious Injury Can Occur

CRUSHING HAZARD: Never put objects on top of the sunshade. The weight of objects may cause the sunshade to collapse.
FALL HAZARD: Never carry the car seat by grasping the sunshade. The sunshade could detach and the seat could fall, injuring your child.

IMPORTANT: This Sunshade is used for the stroller base only, not for car use.

A UV sunshade is available for the Toddler Car Seat. This sunshade can be used in the car to keep sun off your child and can also be used when the Toddler Car Seat is docked on the Orbit Stroller.



Using the Sunshade cont'd

To install the sunshade :

1. Insert the plastic fittings on the sunshade into the slots on the shell (Photo A). The fittings should softly click when fully inserted.

2. Stretch the backside of the sunshade over the rim of the car seat (Photo B).

3. Snap sides of the sunshade onto the upholstery snaps (Photo C).



To remove the sunshade :
Unsnap the sides of the sunshade. Pull the backside of the sunshade out from under the rim of the car seat. Push each sunshade fitting out of its slots from the back of the shell as you squeeze the buttons on the fittings (Photo D). Be careful as you remove the sunshade because it will spring outwards.



Maintaining Your Car Seat

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Removing the Upholstery

The upholstery can be easily removed for cleaning WITHOUT detaching the restraint harness from the car seat. Replace the upholstery once cleaned and dried completely. DO NOT use the Toddler Car Seat without the upholstery.

1. Remove the edge of the upholstery from the car seat shell by pulling it out from under the rim (Photo A).

2. Pull out the plastic side tabs from the slots next to each carry handle (Photo B).

3. Remove the headrest by detaching the hook and loop fasteners from the behind the upholstery and pulling it free from the upholstery (Photo C).



Removing the Upholstery cont'd

4. Unbuckle the restraint harness. Open the center panel from top to bottom by freeing the sides where the shoulder straps enter (Photo D).

5. Remove the shoulder pads from the restraint harness and pass the shoulder straps through the now open center panel to free the upholstery from the seat back.

6. Pull the crotch buckle through the slot in the bottom of the upholstery (Photo E). This will completely free the upholstery from the car seat shell.





Cleaning the Upholstery

1. Machine wash in cold water on a gentle cycle with a mild detergent. Washing inside a pillow case and in a frontloading washer is recommended. DO NOT USE BLEACH.

2. Lay the upholstery flat to dry. Do not machine dry. Machine drying may cause excessive shrinkage and result in the upholstery not fitting the car seat properly.

3. Re-install the upholstery once cleaned and completely dried. DO NOT use the car seat without the upholstery.

Re-installing the Upholstery

1. Ensure that the restraint harness buckles are unbuckled, and that all upholstery fasteners are pulled apart. Position the upholstery within the car seat.

2. Pull each side of the restraint harness through the sides of center panel of the upholstery (Photo A). Secure the center panel closed.

3. **CHECK** that the shoulder straps are threaded through the upholstery at the same height as the corresponding slots being used in the seat shell (Photo B).

4. Thread the lap portions of the straps through the slots at the sides of the bottom of the center panel (Photo C). Make sure the straps can move freely through the slots.







5. Pull the crotch buckle back through the opening in the bottom of the upholstery, again making sure to use the same corresponding upholstery slot as the slot position used in the car seat shell (Photo D).

6. Secure the elastic edges of the upholstery by stretching them over the rim of the car seat shell.

7. Insert the plastic side tabs into the slots by the carry handles (Photo E).

8. Re-attach the shoulder pads and **CHECK** that the shoulder straps move freely through the slots and are not twisted.

9. **CHECK** that the restraint harness is not twisted and pull on the straps to make sure the restraint harness is secure.





Other Cleaning Instructions

Metal and plastic parts

Metal and plastic parts on the car seat and SmartHub® car seat base may be wiped clean with a mild soap and water solution. Towel dry. Do not use household detergents, such as bleach or abrasive agents. These detergents can weaken plastic parts and corrode metal parts.

Restraint harness

- Shoulder straps : The shoulder straps may be spot cleaned with a mild soap and water solution and towel dried. DO NOT immerse the shoulder harness in water. Doing so may weaken them. If the harness is still heavily soiled after spot cleaning, contact Orbit Baby for further instructions. Do not disassemble the restraint harness.

- Adjuster lock and strap : Periodically check the adjuster lock to be sure it is clean and free of food, coins, dirt, and other objects. If debris is present, it must be removed to prevent interference with the adjuster mechanism. Brush away loose debris and sponge clean using warm water and mild soap. Towel dry. Do not use solvents or abrasive cleaners. Do not separate the adjuster strap from the adjuster lock.

- Crotch buckle and buckle tongues : If a child eats and drinks in the car seat, the crotch buckle and buckle tongues should be periodically checked and cleaned of any accumulated debris or liquids. The crotch buckle may be cleaned with a damp cloth or removed and thoroughly rinsed with warm water. Towel dry. Test the crotch buckle by fastening and unfastening until a positive click is heard when inserting the buckle tongues. If a click is not heard, repeat the cleaning procedure. Do not use lubricants, solvents, abrasive cleaners, soap or other household detergents on the crotch buckle or buckle tongues.

SmartHub®, rotational check mechanism & hub locks

Keep the entire bottom hub area, and the hub locks specifically, clean and free of foreign material in order for the car seat to function properly. Keep the car seat base's SmartHub® and rotational indicators clean and free of foreign material. Do not allow any liquids or particulate matter (such as sand or soil) to enter any of these areas.

Limited Customer Warranty (United States)

- **What this limited warranty covers and for how long :**
  warrants that the product accompanied by this limited warranty is free from manufacturing defects in material or workmanship for a period of two (2) years from the date of original purchase. This warranty only applies to the original purchaser of the product and only to products purchased and used in the United States of America. The limited warranty period also applies to any implied warranties that may exist under applicable law. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

- **What this limited warranty does not cover :**
  This limited warranty does not apply to: (1) defects resulting from repair (except by Orbit Baby or its authorized service representatives) or alteration of the product, (2) defects resulting from use with covers, inserts, accessories, tightening devices, or other components not supplied by or expressly approved in writing by Orbit Baby, (3) defects resulting from misuse, including any use not in accordance with the product instructions, abuse, accident, neglect, improper maintenance or handling, or normal wear and tear, (4) defects resulting from handling by airlines or airport staff, and (5) defects such as corrosion or molding resulting from improper storage, such as storage outdoors, storage in damp environments, or storage with moisture or salt on the product.

- **What Orbit Baby will do :**
  If you believe the product is defective please return it to Orbit Baby in the manner described below within the limited warranty period. If Orbit Baby determines a defect is covered by this limited warranty, Orbit Baby will, at its option, repair or replace the product or components of the product. This limited warranty extends to repaired and replacement products and components only through the end of the original limited warranty period.

- **What Orbit Baby and its distributors and retailers are not responsible for :**
  In no event will Orbit Baby or any of its retailers, dealers, distributors or retailers be liable for incidental, indirect or consequential damages relating to the product (including any repaired or replacement product or component) or its use. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

- **How state law applies :**
  This limited warranty gives you specific legal rights, and you may have other rights which vary from State to State.

- What you must do to get service under this limited warranty :
  To make a claim under this limited warranty you must first contact Orbit Baby.

Please write to :	**Orbit Baby, P.O. Box 699 Ventura CA 93002**
or call :	**1-888-475-4056**
or e-mail :	**hello@orbitbaby.com**

You must provide proof of purchase in the form of your original sales receipt in order to obtain service under this limited warranty.

If you would like to purchase spare parts, please visit www.orbitbaby.com/support

www.orbitbaby.com

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