orbit™ Infant Car Seat + Base Manual

orbit baby™

Before You Begin

Welcome to the Orbit Baby family!

Congratulations on the purchase of your Orbit Infant System.

Please take the time to read through this instruction manual carefully and make sure anyone else using the Orbit Infant System reads it carefully as well. The Orbit Infant System only offers safety when it is used in accordance with these instructions.

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

Terms You Need to Know: Base

Before You Begin

SmartHub™

Level Indicator

StrongArm™ Knob

LATCH Belt

LATCH Connectors

Base Neck

Rotation Indicators

Terms You Need to Know: Infant Car Seat

Terms You Need to Know: LATCH

Side Handles

Release Levers

Restraint Harness

Hub Locks

Lower LATCH Anchors
(locations identified by symbols)
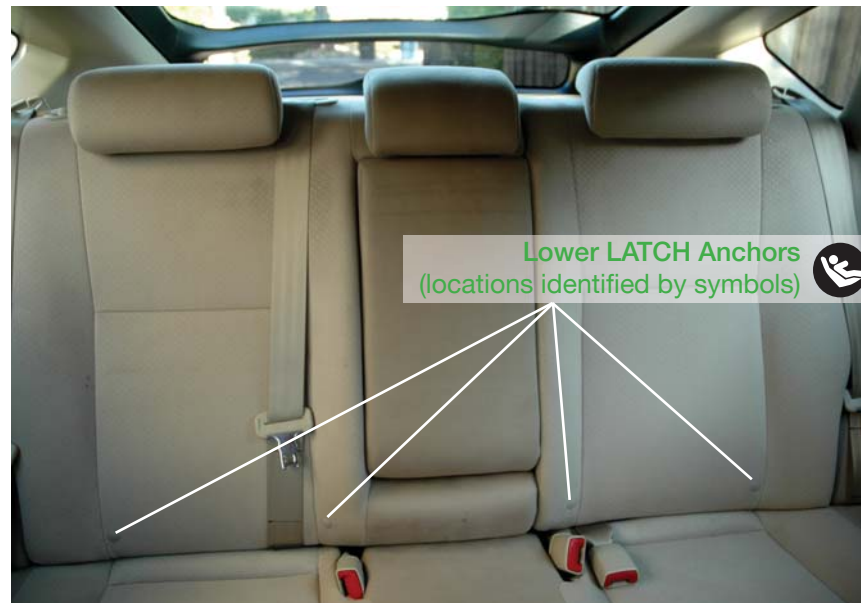
Terms You Needs to Know: Vehicle Seat Belts

Shoulder-Lap
Vehicle Seat Belts

Vehicle Seat Crease

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 Infant System 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 seven steps:

1. **Choose a suitable location in your vehicle.** An important overview on what makes a seating location safe is in the "Be Safe" sections of this manual. Some seating locations, such as those equipped with air bags, may not be safe locations for this Infant Car Seat and Base. Some seating locations may have vehicle seat belts that are not safe to use with child restraints.

> According to accident statistics, **children are safer when properly restrained in rear vehicle seating locations,** rather than front seating locations.

2. **Properly secure the Base in the vehicle using the attached LATCH Belt or by using a vehicle seat belt designed to restrain a child restraint system.** Many seat belts are NOT safe to use with child restraints, read your vehicle owner's manual to be certain. Read the sections in "Installing the Base" for specific details about properly securing the Base.

Your Child's Safety Depends On You cont'd

3. **Properly dock the Infant Car Seat into the Base.** The sections in "Use the Infant Car Seat with the Base" provide you with detailed instructions for this step.

4. **Set the shoulder straps of the Restraint Harness at the proper height for your child.** The sections in "Secure Your Child" provide you with instructions for this step.

5. **Properly secure your child in the Infant Car Seat.** The sections in "Secure Your Child" also provide you with instructions for this step.

6. **Ensure that both the Base and Infant Car Seat are level once installed.** The Infant Car Seat must be properly leveled. Too reclined can result in injury or ejections. Too upright can result in breathing difficulties.

7. **Check the security of the Infant Car Seat by pulling upwards in several different directions after docking it into the Base.** The Base should not move more than 1" in any direction once installed, and the Infant Car Seat must be locked in the rearward facing position.

Before You Begin

Before You Begin

CLICK AND CHECK
When using the Orbit Infant System, always pay attention
to the **CLICK** (through sound and feel) that says
you've successfully completed a step. Then,
always immediately follow up with a **CHECK**
by tugging or pulling what you just clicked into place.

⚠ **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. DO NOT let others install or use the Infant Car Seat and Base without reading all the instructions first.** Keep this instruction manual for future use in the pocket in the rear cover flap of your Infant Car Seat. If the instruction manual is missing, call Orbit Baby at 1-877-ORB-BABY (1-877-672-2229) for a replacement manual. 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 Base and Infant Car Seat are not properly installed or if your child is not properly secured in the Infant Car Seat.

⚠ **DO NOT PLACE THIS INFANT CAR SEAT IN VEHICLE SEATING LOCATIONS WITH A FRONT AIR BAG.** If the air bag inflates, it can hit the Infant Car Seat with great force and cause serious injury or death to your child. Also refer to your vehicle owner's manual about safe locations for child restraints if there are side air bags.

Be Safe

⚠ **Secure the Orbit Base with the vehicle's LATCH system, if available, or with a vehicle seat belt as shown in this manual.** Not all vehicle seat belts can be used with a child restraint. Always check the security of your Base installation by pulling side to side. If the Base moves more than 1 inch, remove the Base and re-install it until safely secured.

⚠ **Use the Infant Car Seat only with children who weigh 22 pounds (10 kgs) or less and whose height is 29 inches (74 cm) or less.** Discontinue use of the Infant Car Seat when your infant's weight or height exceeds either of these limits.

⚠ **Check the level of the Base and Infant Car Seat after installing.** The Infant Car Seat must be properly angled: Too reclined can result in injury or ejection. Too upright can cause breathing difficulties.

⚠ **Avoid loosening the installed Base unintentionally.** DO NOT let an adult or child turn the StrongArm Knob if the vehicle is in motion.

⚠ **NEVER LEAVE YOUR CHILD UNATTENDED IN THE INFANT CAR SEAT.**

⚠ **SNUGLY ADJUST THE RESTRAINT HARNESS AROUND YOUR CHILD.** The child MUST be secured properly by the Restraint Harness at all times, whenever the Infant Car Seat is used in a vehicle or outside of a vehicle.

⚠ **STRANGULATION HAZARD:** Your child can strangle in a loose Restraint Harness. Never leave a child in the Infant Car Seat with straps loose or undone.

Be Safe

⚠ **SUFFOCATION HAZARD:** The Infant Car Seat can roll over on soft surfaces and suffocate your child. Never place Infant Car Seat on beds, sofas or other soft surfaces.

⚠ **FALL HAZARD:** A child's movement can slide or move the Infant Car Seat. Never place the Infant Car Seat near edges of countertops, tables or other elevated surfaces. Never place the Infant Car Seat on top of a shopping cart or use with any strollers other than those approved for use by Orbit Baby. Always stay within arms reach whenever your child is in the Infant Car Seat.

⚠ **Never leave an Infant Car Seat or Base unsecured in your vehicle.** The LATCH Belt or vehicle seat belt must stay tightly adjusted around the child restraint system at all times, even when not occupied. Unsecured items can injure occupants in a sharp turn, sudden stop or crash.

⚠ **Do not modify your Infant Car Seat or Base.** Only use products and accessories approved by Orbit Baby to ensure the safety of your child. Follow the accompanying instruction manuals for these products and accessories carefully.

⚠ **Do not allow any re-use of this child restraint system after a motor vehicle collision of any kind.** A collision can cause damage to the Infant Car Seat and Base that you cannot see.

⚠ **Do not use the Infant Car Seat or Base if any component is damaged, broken, or missing parts.** Do not use any straps or belts if they are cut or fraying.

Height & Weight Limitations

Use the Orbit Infant Car Seat only with children who meet the following requirements:

- Weigh 22 pounds (10 kgs) or less
- Measure 29 inches (73 cm) or less in height

Discontinue use of the Infant Car Seat when your infant grows beyond any of the above requirements. The child must meet **BOTH** of the requirements to use this Infant Car Seat.

Be Safe

Be Safe

Safety Expiration Date

DO NOT use the Infant Car Seat and Base after the Safety Expiration date, which can be found on the Product Information Label.

The Product Information Label on each Orbit product also shows its specific serial number and model number.

For your convenience, a place is provided to copy this information here.

Safety Expiration Date cont'd

Base - ORB 802000

Serial number:

Manufacture date:

Safety Expiration date:

Infant Car Seat - ORB 803000

Serial number:

Manufacture date:

Safety Expiration date:

Label located on the back of the Base

Label located under the rear cover flap

Registering Your Orbit Infant System

Child restraints could be recalled for safety reasons. You must register this restraint to be reached in the event of a product recall. There are several ways to do so. First, find the serial numbers and model information on both your Infant Car Seat and Base.

Then, copy this information onto the prepaid registration card provided and mail it today.

Or send this information, along with your name and address to:

> Orbit Baby, Inc.
> 8445 Central Ave.
> Newark, CA 94560

or call: 1-877-ORB-BABY (1-877-672-2229)
or log onto: **www.orbitbaby.com/register**

For recall information, call the U.S. Government's Vehicle Safety Hotline at 1–888–327–4236 (TTY: 1–800–424– 9153) or go to the National Highway Traffic Safety Administration's website at http://www.NHTSA.gov or contact Orbit Baby directly.

Be Safe

Your Vehicle Restraint Options

⚠️ **WARNING** ⚠️
Death or Serious Injury can occur

The Base and Infant Car Seat must be properly secured in the vehicle using LATCH or a vehicle seat belt designed to restrain a child restraint. Pay careful attention to the type of LATCH anchors and vehicle seat belts that are in your vehicle; some types are unsafe to use, yet they look the same as those that are safe to use with child restraints. Read your vehicle owner's manual first to be certain.

Close-up of typical Lower LATCH anchor, usually found in the vehicle seat crease.
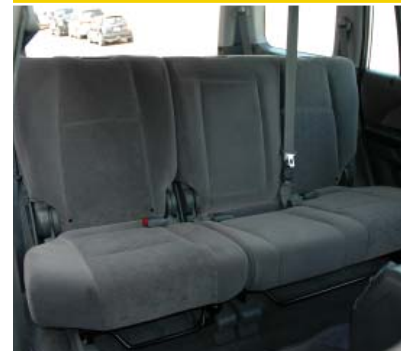
Typical appearance of vehicle seat belts

Be Safe

Your Vehicle Restraint Options cont'd

This section helps you identify LATCH and various vehicle seat belt types. More than one type may be located in your vehicle and the installation instructions vary according to the type of vehicle restraint is being used.

LATCH Overview
Starting with the 2003 model year, all vehicles are required to have one or more seating positions with LATCH (Lower Anchors and Tethers for Children). Some automotive manufacturers began including LATCH systems with their 2000 model year vehicles. If your vehicle is equipped with the LATCH system, the lower anchors may be visible at the vehicle seat crease. If not, their location may be marked with this symbol:

Some vehicle owner's manuals identify the LATCH system as ISOFIX. An ISOFIX System can be used in the same way as the LATCH system.
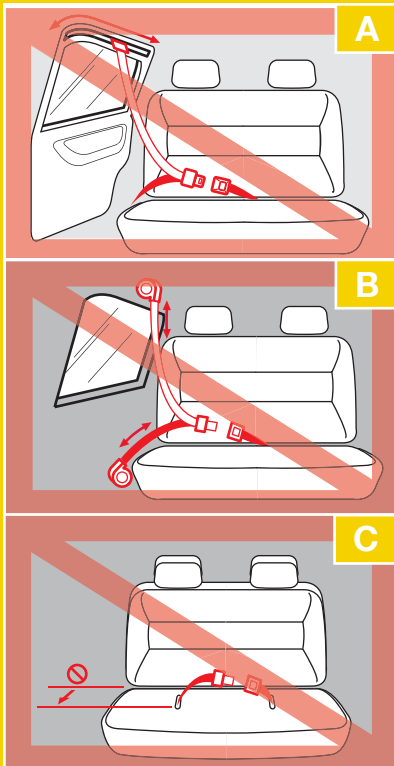
Your Vehicle Restraint Options cont'd

Vehicle Seat Belts Overview

⚠ **WARNING** ⚠
Death or Serious Injury can occur

Some vehicle seat belts are not safe for use with the Infant Car Seat and Base. The vehicle seat belt must hold a child restraint tightly at all times. There are many types of vehicle seat belts. Different types of may even be used at different seating locations within the same vehicle.

Your vehicle owner's manual will have information on which vehicle seat belts in your vehicle can be used safely with a child restraint system. If in doubt, contact the vehicle manufacturer for guidance.

A

B

C

Your Vehicle Restraint Options cont'd

The following types of vehicle seat belts are NOT compatible with the Infant Car Seat and Orbit Base:

- Lap, shoulder-lap or shoulder belts mounted to the vehicle door (See Illustration A)
- Motorized automatic vehicle seat belts
- Three point vehicle seat belts that have separate retractors for the shoulder section and the lap section (See Illustration B)
- Vehicle seat belts with non-locking retractors
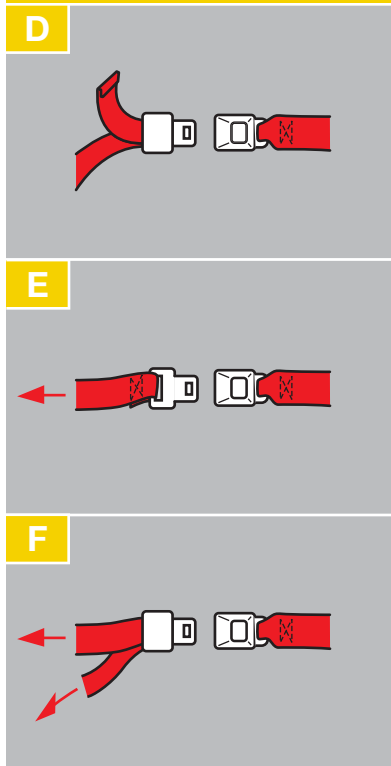- Lap belts forward of the seat crease (See Illustration C)

Do not install the Base or Infant Car Seat using any of the vehicle seat belt types listed above. Select another seating position or use LATCH anchors instead. If you determine that there

Your Vehicle Restraint Options cont'd

are no acceptable vehicle belt systems in your vehicle, contact the vehicle manufacturer for options.

The following vehicle seat belt systems CAN be used with your Infant Car Seat and Orbit Base when following the appropriate instructions in this manual:
- Manually adjusted lap belts (See Illustration D)
- Lap belts with an automatic locking retractor (See Illustration E)
- Combination shoulder-lap belt with locking latch plate or sliding latch plate (See Illustration F).

D

E

F

Installing the Base

Terms You Need to Know: Base

Base Upright

Belt Path

LATCH
Connectors

Rotation Indicators

StrongArm Knob

Lock-off Clamp

Belt Guides

Level Indicator

SmartHub

Installing the Base
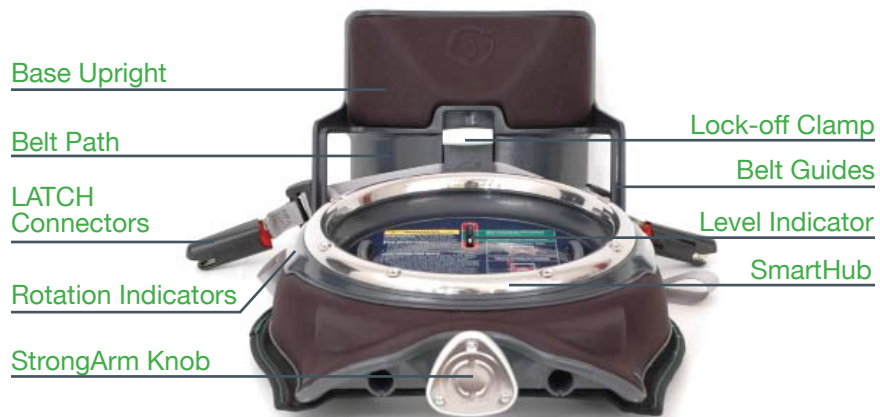
Choosing Where to Install the Base

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⚠️ **WARNING** ⚠️

Improper placement of Base and Infant Car Seat increases the risk of serious injury and death

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Some vehicles do not have any seating locations where a child restraint system can be installed safely. If you are unsure where to place the Base, refer to your vehicle owner's manual for specific instructions about seating locations that are safe for child restraints.

NEVER secure the Base in a seating location with a front airbag. Check your vehicle owner's manual regarding side air bag compatibility with child restraint systems (Figure A).

NEVER secure the Base in a front seating location unless recommended by the vehicle owner's manual.

The Base must be installed in forward facing vehicle seats. Side facing or rear facing vehicle seats CANNOT be used (Figure B & C).

Do not secure the Base and Infant Car Seat in seating locations where the seat back does not lock in an upright position.

Choosing Where to Install the Base
cont'd

At the safest seating location, follow the appropriate instructions for installing the Base according to what vehicle restraint method is available. If the LATCH Belt or vehicle seat belt does not stay tightly adjusted around the Base at all times, refer to your vehicle owner's manual.
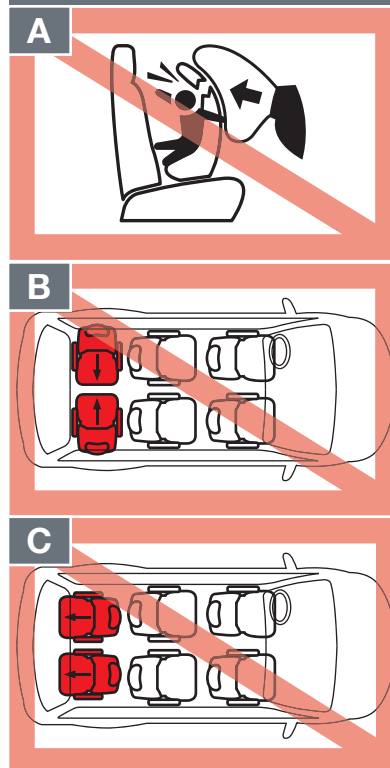
Choosing Where to Install the Base
cont'd

Choose a seating location in your vehicle that has acceptable LATCH anchors or vehicle seat belts that are safe to use (Refer to "Your Vehicle Restraint Options").

Seat geometry and vehicle seat belt geometry may also affect how securely the Base and Infant Car Seat can be installed.

According to crash statistics, children are safer when properly restrained in rear vehicle seating locations, rather than front seating locations.

The center rear seating location is the safest if ALL the following conditions are met:

- Lower LATCH anchors spaced between 11 and 20 inches (280 and

Choosing Where to Install the Base
cont'd

    500 mm) apart OR an acceptable vehicle seat belt
- No airbags
- Seat geometry that allows the Base to be level once installed

Once you've chosen a seating location, follow instructions in the section "Installing the Base: With LATCH" on page 30 if LATCH anchors are available.

If LATCH anchors are not available, the Base and Infant Car Seat must be installed with a vehicle seat belt. Follow instructions in "Installing the Base: With Vehicle Seat Belts" on page 37.

Installing the Base: With LATCH

⚠️ **WARNING** ⚠️

Improper placement of Base and Infant Car Seat increases the risk of serious injury and death

See your Vehicle Owner's manual regarding exact requirements for using LATCH anchors with this child restraint system. If you are unsure how to identify or use the LATCH system, contact the vehicle manufacturer.

Do not use LATCH anchors to install the Base in the center rear seat unless the vehicle owner's manual specifically indicates it is allowed. Only install the Orbit Base with LATCH anchors in vehicle seating locations recommended by the vehicle manufacturer for use with LATCH and that have an anchor spacing between 11 and 20 inches (280 mm and 500 mm). (See Illustration on page 31.)

LATCH Connectors must be secured to the vehicle LATCH anchors only. Connections to other vehicle components could result in the LATCH Connectors tearing free in a crash.

Installing the Base: With LATCH cont'd

Never attach two LATCH Connectors to one LATCH anchor, unless recommended by the vehicle owner's manual for your vehicle.

Never use both the lower LATCH anchors and the vehicle seat belt system at the same time to install the Orbit Base.

1. The Base should be installed without the Infant Car Seat docked. If attached, first remove the Infant Car Seat.

2. Check that the Base StrongArm is reset to zero (Photo A). If not, then turn the StrongArm Knob counterclockwise until the zero is visible.
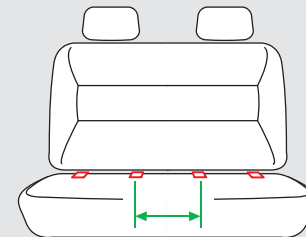
Only install the Orbit Base with LATCH anchors in vehicle seating locations recommended by the vehicle manufacturer for use with LATCH and that have an anchor spacing between 11 and 20 inches

A
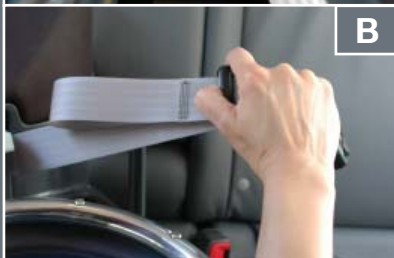
B

C

Installing the Base: With LATCH cont'd

3. Free the LATCH Connectors from their storage locations by pressing the red buttons and pulling them upwards at the same time. For ease of installation, extend the LATCH Belt to its maximum length by pressing the grey tab on the adjuster and pulling on the belt (Photo B).

4. Position the LATCH Belt through the Belt Guides as shown (Photo C).

5. The LATCH Belt must be secured in place by the Lock-off Clamp. If it is not:
    -   Center the red stitched line of the LATCH Belt in the middle of the Lock-Off Clamp (Photo D)
    -   Close the Lock-Off Clamp and secure it firmly upon the LATCH Belt by flipping the top closure down into place.

Installing the Base: With LATCH cont'd

6. Place the Base in the vehicle seat (Photo E), making sure the areas under and behind the Base are clear of obstructions.

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

8. Attach both LATCH Connectors to their corresponding lower LATCH anchors. With the LATCH Connector oriented as shown (Photo F), push it straight onto the metal bar until you hear and feel a **CLICK**.

> **CLICK AND CHECK:**
> When using the Orbit Infant System, always pay attention to the **CLICK** (through sound and feel) that says you've successfully completed a step. Then, always immediately follow up with a **CHECK** by tugging or pulling what you just clicked into place.

D

E

F

Installing the Base: With LATCH cont'd

When using the LATCH system, the Orbit Base uses only the lower anchors.

9. Pull on each LATCH Connector to be sure it is locked onto the anchor (Photo G).

10. Pull each LATCH Belt loop tight to remove the slack and make sure the Base is not loose (Photo H).

11. Turn the StrongArm Knob at the

As you're turning the Knob, the StrongArm mechanism is amplifying your strength and tightening the Base into the car.

Each installation varies slightly, but usually you turn the Knob almost 10 full revolutions.

You know that you have reached the optimal tightness setting when the Base Upright cannot move more than 1" in any direction.

Installing the Base: With LATCH cont'd

front of the Base clockwise. (Photo I)

12. **CHECK** the installation is secure by tugging and pulling the Base in various directions (Photo J) – the Base Upright, where the belt is secured, should not move by more than 1 inch in any direction. If the Base is loose, remove and re-install it beginning at Step #2.

13. **CHECK** that the Base is level by looking at the Level Indicator (Photo K). If the ball is not in the green zone (Photo L), remove the Base, re-install it by repeating Steps 2 - 13. If the Base cannot be secured tightly with the ball in the green zone, try any of the following:
    - Remove the Base. Position a rolled towel under the Base, making sure the front of the Base contacts the vehicle seat

Install the Base

Install the Base

Install the Base (left margin)

Installing the Base: With LATCH cont'd

(Photo M), and repeat Steps 2 to 13. The towel should be compressed as the StrongArm tightens the Base into place.
- Try installing the Base in a different seating position.
- Contact your vehicle dealer for assistance and possible LATCH modification parts.
- Seek assistance from one of the resources in the "Need Help Securing Your Infant Car Seat and Base?" section (page 44).

The Base must be properly level for the Infant Car Seat to be safe. An Infant Car Seat that is too reclined can result in ejection during a crash, and an Infant Car Seat too upright can cause breathing difficulties.

Do not use this Infant Car Seat and Base until they are safely installed.

Installing the Base: With Vehicle Seat Belts

Before installing the Base with vehicle seat belts, please read the "Vehicle Seat Belts Overview", starting on page 21.

1. Install the Base without the Infant Car Seat docked. If it is attached, first remove the Infant Car Seat.

2. **CHECK** that the Base StrongArm is reset to zero (Photo N). If not, then turn the StrongArm Knob counterclockwise until the zero is visible.

3. Remove the LATCH Belt from the Lock-Off Clamp. (Note: The LATCH Belt is permanently tethered to the Base). Store the LATCH Connectors in the Base for safety when they are not in use (Photo O). Each LATCH Connector will **CLICK** securely into its own storage slot.

Install the Base (right margin)

Installing the Base: With Vehicle Seat Belts cont'd

4. Place the Base in the vehicle seat (Photo P), making sure the areas under and behind the Base are clear of obstructions.

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

   If using a shoulder-lap vehicle belt to secure the Base, continue to Step 6. If using a lap-only vehicle belt, skip to Step 7.

6. If using a shoulder-lap vehicle belt:
   - Open the Lock-Off Clamp
   - Thread the shoulder-lap vehicle seat belt through the Belt Guides (Photo Q).
   - Buckle the shoulder-lap vehicle seat belt
   - Make sure the belts are not

Installing the Base: With Vehicle Seat Belts cont'd

   twisted and that both straps lay flat across the Belt Path and the open Lock-Off Clamp (Photo R).
   - Pull on the lap portion of the vehicle seat belt to tighten it on the Belt Path (Photo S).
   - While holding the shoulder portion of the vehicle seat belt within the Belt Path, secure the Lock-Off Clamp firmly upon both straps (Photo T).
   Continue on to Step # 8.

7. If using a lap-only vehicle seat belt:
   - Open the Lock-Off Clamp
   - Thread the lap-only vehicle seat belt through the Belt Guides (Photo U).
   - Buckle the lap-only vehicle seat belt
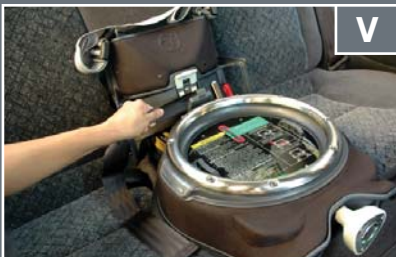   - Make sure the belt is not twisted and lays flat across the

Installing the Base: With Vehicle Seat Belts cont'd

Belt Path and across the open Lock-Off Clamp.

- Pull on the lap-only vehicle seat belt to tighten it along the Belt Path (Photo V).
- Secure the Lock-Off Clamp firmly upon both portions of the lap-only vehicle seat belt (Photo W).

Continue on to Step # 8.

8. Turn the StrongArm Knob at the front of the Base clockwise. (Photo X)

9. **CHECK** the installation is secure by pulling the Base in various directions (Photo Y) – the Base Upright, where the belt is secured, should not move by more than 1 inch in any direction. If the Base is loose, remove and re-install it beginning at Step #2.

Installing the Base: With Vehicle Seat Belts cont'd

As you're turning the Knob, the StrongArm mechanism is amplifying your strength and tightening the Base into the car.

Each installation varies slightly, but usually you turn the Knob almost 10 full revolutions.

You know that you have reached the optimal tightness setting when the Base Upright cannot move more than 1" in any direction.

10. **CHECK** that the Base is level by looking at the Level Indicator (Photo Z). If the ball is not in the green zone (Photo AA), remove the Base and re-install it by repeating Steps 2 - 10. If the Base cannot be secured tightly with the ball in the green zone, try any of the following:

- Remove the Base. Position a rolled towel under the Base, making sure the front of the Base contacts the vehicle seat

BB

Installing the Base: With Vehicle Seat Belts cont'd

(Photo BB), and repeat Steps 2 to 10. The towel should be compressed as the StrongArm tightens the Base into place.
- Try installing the Base in a different seating position.
- Contact your vehicle dealer for assistance and possible vehicle seat belt modification parts.
- Seek assistance from one of the resources in the "Need Help Securing Your Infant Car Seat and Base?" section (page 44).

The Base must be properly level for the Infant Car Seat to be safe. An Infant Car Seat that is too reclined can result in ejection during a crash, and one that is too upright can cause breathing difficulties.

Do not use this Infant Car Seat and Base until they are safely installed.

Removing the Base

To un-install the Base and remove it from your vehicle:

1. Turn the StrongArm Knob counterclockwise and reset the Base StrongArm to zero (Photo CC).

2. If the Base is secured with LATCH, push the red button on each LATCH Connector and pull it from the LATCH Anchor (Photo DD). Open the Lock-Off Clamp to release the LATCH Belt and store the LATCH Connectors as shown (Photo EE).

   If the Base is secured with a vehicle seat belt, open the Lock-Off Clamp, unbuckle the vehicle seat belt and guide it through the Belt Guides.

3. Using both hands to support the weight of the Base, remove it carefully from the vehicle.

CC

DD

EE

Installing the Base

Need Help Securing Your Infant Car Seat and Base?

The following sources can be of assistance in checking whether your child restraint system is properly installed:

- Your vehicle dealer may help you locate a child safety seat inspection station in your area.

- Call 1-866-SEAT CHECK (1-866-732-8243).

- Visit www.nhtsa.dot.gov and select "Child Seat Inspections".

- Visit www.seatcheck.org.

- Contact a certified child passenger safety technician in your area.

Using the Infant Car Seat with the Base

Using the Infant Car Seat with the Base

Docking the Infant Car Seat

⚠ **WARNING** ⚠
Death or Serious Injury can occur

Never operate your vehicle unless the Infant Car Seat is LOCKED in the rear-facing position. Check both Rotation Indicators on the Base. If either Rotation Indicator is red, the Infant Car Seat is not safely locked.

When a Release Lever is pulled, the Infant Car Seat is not secured properly to the Base (see Photo A). Only use the Release Levers when removing the Infant Car Seat. Do not allow children to operate the Release Levers.

PINCH HAZARD: Ensure that your child's fingers and appendages are clear of moving parts. When installing the Infant Car Seat, make sure hands of other vehicle occupants are clear of the SmartHub area.

Docking the Infant Car Seat cont'd

1. Make sure the top of the Base and SmartHub are clear of objects before docking the Infant Car Seat.

2. Grasp the Infant Car Seat firmly by both Side Handles (Photo B). Dock the bottom of the Infant Car Seat into the circular SmartHub of the Base until you hear and feel a **CLICK** (Photo C).

> For increased comfort and ease of use, the Infant Car Seat can be docked from almost any angle onto the Base.

3. Rotate the Infant Car Seat until you hear and feel another **CLICK** as it locks into the rear-facing position (Photo D). The Infant Car Seat will only lock when rotated into the rear facing position. Note that the Hub Locks only **CLICK** when the Release Levers are not pulled.

Using the Infant Car Seat with the Base

Docking the Infant Car Seat cont'd

When locked into the rear-facing position, make sure the Infant Car Seat does not touch the back of the seat in front of it (Photo E).

4. **CHECK** the locked position by looking at the Rotation Indicators on the Base: if they are fully red, then re-dock the Infant Car Seat (Photo F).

If the Rotation Indicators show red with every docking attempt, do not use the Infant Car Seat or Base, and contact Orbit Baby.

5. Do a final **CHECK** of the Infant Car Seat each time - pull the Infant Car Seat in several directions (Photo G) to be certain it is locked. A small amount of rotational movement is normal, but it should not rotate out of the rear-facing position. If it does, remove the Infant Car Seat and contact Orbit Baby.

Rotating & Removing the Infant Car Seat

⚠️ **WARNING** ⚠️
Death or Serious Injury can occur

FALL HAZARD: Grasp the Infant Car Seat by BOTH Side Handles when removing it from the Base.

To rotate and remove the Infant Car Seat from the Base:

1. Grasp the Infant Car Seat firmly by both Side Handles.

2. Squeeze either Release Lever upward (Photo H). As you squeeze the Release Levers, the Hub Locks retract and the Infant Car Seat can be rotated.

3. Squeeze the Release Lever fully to lift the Infant Car Seat out of the Base (Photo I).

Securing Your Child

Securing Your Child

Terms You Need to Know: Infant Car Seat

Shoulder Strap Slots

Shoulder Pads

Restraint Harness

Chest Clip

Buckle

Buckle Pad

Adjuster Strap

Securing Your Child

Sizing the Restraint Harness to Your Child

⚠️ **WARNING** ⚠️
Death or Serious Injury can occur

Failure to properly fit the Restraint Harness for your child's size increases the risk of serious injury or death in the event of a sharp turn, sudden stop or crash. The Restraint Harness must be properly adjusted to fit your child according to the following instructions.

Sizing the Restraint Harness to Your Child cont'd

It is important to check the fit of the Restraint Harness periodically. The straps must be properly positioned on your child's shoulders and thighs (Photo A).

To adjust the fit of the Restraint Harness:

1. Place your child in the Infant Car Seat and determine which pair of shoulder strap slots are even with or just below the child's shoulders (Photo B).

   DO NOT use shoulder strap slots that are above your child's shoulders (Illustration C). With the rear-facing Infant Car Seat, shoulder straps positioned in slots above the shoulders will not hold your child securely in a sudden stop or crash.

A

B

C

Securing Your Child

D

E

F

Securing Your Child
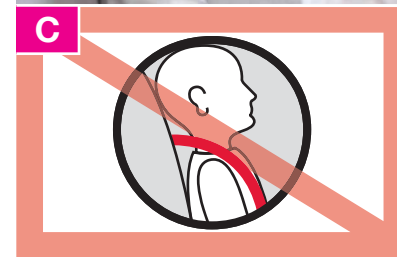
Sizing the Restraint Harness to Your Child cont'd

2. Move the shoulder straps, if needed, to the correct slots:

   a. Find the Adjuster Strap Lock under the Upholstery flap at the front of the seat. Pull on the shoulder straps while pressing down on the Adjuster Strap Lock to loosen the straps (Photo D).

   b. Un-zip the back of the Infant Car Seat and pull the panel up to reach the Splitter Plates (Photo E).

   c. Remove each shoulder strap from its metal Splitter Plate.

   d. From the front of the Infant Car Seat, rethread each shoulder strap through the upholstery and plastic slots (Photo F).

   CHECK that each shoulder strap

Sizing the Restraint Harness to Your Child cont'd

   is threaded into slots at the same height and that neither shoulder strap is twisted (Photo G).

   e. Turn to the back of the Infant Car Seat again and secure each shoulder strap loop entirely onto a single Splitter Plate as shown (Photo H).

3. **CHECK** that the straps are secure by pulling on the shoulder straps from the front (Photo I).

4. **CHECK** that Upholstery and fasteners around the shoulder strap slots do not interfere with the free movement of the Restraint Harness.

5. Re-zip the back of the Infant Car Seat closed. This completes the shoulder strap height adjustment.

G

H

I

Securing Your Child

Some infants may need the extra support from the Infant Insert to keep their head and body in a comfortable position.

Using the Infant Insert

Some smaller infants may need the extra support from the Infant Insert to keep their head and body in a comfortable position.

1. The Infant Insert has two slots to allow the Restraint Harness shoulder straps to pass through.

   Open the two slots and thread the shoulder straps through the Infant Insert as shown (Photo J).

2. Secure the Infant Insert around the shoulder straps by fastening the two slots closed (Photo K).

3. **CHECK** that the Infant Insert does not interfere with the movement of the shoulder straps.

Using the Infant Insert cont'd

4. **CHECK** that the Infant Insert does not interfere with a snug fit of the Restraint Harness against your child's shoulders once secured.

Buckling the Restraint Harness

1. Open the Restraint Harness by squeezing both sides of the Chest Clip as shown (Photo L).

2. Unbuckle the Restraint Harness by pushing the red button on the Buckle.

3. Place your child into the Infant Car Seat, making sure both back and rump are fully supported by the seating surfaces.

4. Position the Restraint Harness around the child.

5. Make sure the Buckle Pad is between the child and the Buckle.

6. **CHECK** that there are no twists in the Restraint Harness straps (Photo M).

Buckling the Restraint Harness cont'd

> **CLICK** the buckle.
>
> **CLICK** the chest clip.
>
> **CHECK** by tugging on harness.

7. Insert both Buckle Tongues into the Buckle (Photo N and O). 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** they are locked (Photo P). DO NOT use the Infant Car Seat if the Restraint Harness does not latch in place, and contact Orbit Baby.

9. Gently pull up on the shoulder straps to tighten the lap section of the Restraint Harness (Photo Q).

R

S

T

Buckling the Restraint Harness cont'd

10. Slowly pull the Adjuster Strap to snugly adjust the Restraint Harness onto the child (Photo R).

11. **CLICK** the Chest Clip pieces together and position the Chest Clip at armpit level, as shown (Photo S).

12. **CHECK** again that the Restraint Harness straps are not twisted.

13. **CHECK** that the Restraint Harness is snug on shoulder and thighs. Do not allow more than one finger to pass between straps and the child's shoulder (Photo T). 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.

Buckling the Restraint Harness cont'd

To remove your child from the Infant Car Seat:

1. Loosen the Restraint Harness by pressing and holding the Adjuster Strap Lock, while pulling up on the Restraint Harness Straps (Photo U).

2. Open the Chest Clip by squeezing the tabs and separating the two halves (Photo V).

3. Unbuckle the Buckle by pressing the red button (Photo W).
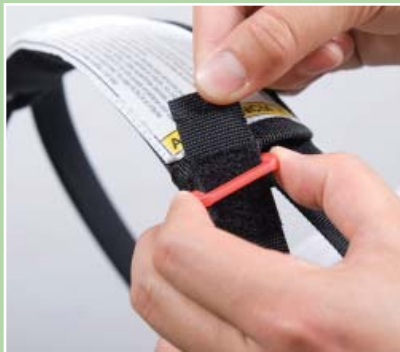

U

V

W

Terms You Need to Know: Infant Car Seat

Soft Carrier Handle Grip

D-ring

Soft Carrier Handle

Sunshade

Paparazzi Shield™
Sunshade Extension

Always secure the Soft Carrier Handle Grip in place before carrying the Infant Car Seat

Using the Soft Carrier Handle

⚠ **WARNING** ⚠
Death or Serious Injury can occur

FALL HAZARD: ALWAYS secure your infant with the Restraint Harness straps.

PINCH HAZARD: Ensure that your child's fingers and appendages are clear of moving parts.

The Infant Car Seat can tip when carried by the Soft Carrier Handle - ALWAYS secure the Soft Carrier Handle Grip to the Soft Carrier Handle before lifting to prevent tipping.
-ALWAYS lift the Infant Car Seat by the Soft Carrier Handle Grip.

Using the Soft Carrier Handle cont'd

To carry the Infant Car Seat:

1. Raise the Soft Carrier Handle (Photo A).

2. Insert the hook and loop fastener through the D-ring on the Soft Carrier Handle Grip. Secure in place (Photo B).

3. Lift the Infant Car Seat with a firm grasp on the Soft Carrier Handle.

Undo the hook and loop fasteners and lower the Soft Carrier Handle when not in use. Keep the Soft Carrier Handle lowered flush with the Upholstery when using the Infant Car Seat in your vehicle (Photo C).

A

B

C

For safety, lower the Sunshade when the Infant Car Seat is docked in your vehicle.

Carrying and Using the Infant Car Seat

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 Infant Car Seat by grasping the Sunshade.**
>
> **VEHICLE COLLISION HAZARD: Always lower the Sunshade fully when the Infant Car Seat is in your vehicle, otherwise driver visibility may be impaired.**

Using the Sunshade cont'd

The Sunshade can be moved by hand into either of two positions.

1. Move the Sunshade into the upright position to shield your child from the sun (Photo D).

2. Lower the Sunshade flush with the Upholstery when not in use.

The Sunshade has a Sunshade Extension:

1. With the Sunshade into its upright position, pull the Sunshade Extension from its pocket at the front of the Sunshade (Photo E).

2. Wrap the Sunshade Extension's elastic around the lower edge of the Infant Car Seat (Photo F).

D

E

F

Carrying and Using the Infant Car Seat

Using the Sunshade cont'd

3. Snap each corner to the Upholstery to secure the Sunshade Extension into place.

To avoid choking or entanglement, stow the Sunshade Extension back into its pocket when not in use.

The Sunshade is removeable for spot cleaning:

1. Un-snap the two fasteners at the edge of the Sunshade (Photo G).

2. Un-zip the Sunshade from around the front plastic support strip, which remains attached to the Infant Car Seat (Photo H).

3. Undo the hook and loop fasteners

Using the Sunshade cont'd

at the back edge of the Sunshade to release it from the Upholstery (Photo I).

To re-install the Sunshade:

1. Un-zip the Sunshade pocket for the front plastic support strip.

2. Position the Sunshade around the plastic support strip (Photo J).

3. Snap the two fasteners to secure the Sunshade in place (Photo K), then zip the pocket around the plastic support strip.

4. Press the hook and loop fasteners together at the back edge of the Sunshade to attach it to the Upholstery.

Terms You Need to Know: Infant Car Seat

Side Handles

Belt Clip

Bottom Edge

Traveling with Your Orbit Infant System

⚠️**WARNING**⚠️

Improper placement of the Infant Car Seat increases the risk of serious injury and death

The Infant Car Seat, on its own, can fit securely in most vehicles using existing vehicle seat belts. However, some vehicle belt systems are not acceptable to use with any child restraint systems. If the vehicle seat belt does not remain tight or the Infant Car Seat can move more than 1" in any direction, your child could be seriously injured in a sharp turn, sudden stop, or crash. Move the Infant Car Seat to another seating location and try again. If in doubt, refer to the vehicle owner's manual for specific instructions regarding child restraint use.

When installing the Infant Car Seat without the Base, use the Belt Clips. Failure to use the Belt Clips where required will result in the Infant Car Seat not being securely held in place.

Traveling with Your Orbit Infant System cont'd

The Infant Car Seat can be secured in a vehicle without the Base, using the Belt Clips with acceptable vehicle seat belts (read "Vehicle Seat Belts Overview" on page 21).

1. If the vehicle seat back is adjustable, lock the seat back in the normal upright position.

2. Place the Infant Car Seat rear-facing.

3. The bottom edge of the Infant Car Seat MUST be horizontal after installation. A towel underneath one end of the Infant Car Seat may be required to accomplish this (Photo A).

4. Thread the vehicle seat belt through both Side Handles and buckle the vehicle seat belt (Photo B).

Traveling with Your Infant Car Seat

Traveling with Your Orbit Infant System cont'd

If using a shoulder-lap vehicle seat belt, continue with Step # 4.

If using a lap-only vehicle seat belt, skip to Step # 10.

Shoulder-Lap Vehicle Seat Belt Routing:

4. While pressing down upon the Infant Car Seat, pull on the shoulder-lap belt to tighten it around the child restraint (Photo C). To mark their position, hold the shoulder and lap straps together near the Belt Clip (Photo D) and unbuckle the vehicle seat belt.

5. While holding the two vehicle seat belt straps together, slip them together into the Belt Clip. (Photo E). Make sure the belts cannot slip

Traveling with Your Orbit Infant System cont'd

relative to each other.

6. Re-buckle the shoulder-lap belt into place. You should need to press down upon the Infant Car Seat again to do so. (Photo F).

7. On the other side of the Infant Car Seat, slip the lap portion of the vehicle seat belt into the other Belt Clip. (Photo G).

8. **CHECK** that the Infant Car Seat is at the proper angle. If the bottom edge is not horizontal, remove and re-install the Infant Car Seat, using towels to make the Infant Car Seat level.

9. **CHECK** the security of the installation by pulling the Infant Car Seat in several directions (Photo H).

Traveling with Your Infant Car Seat

Traveling with Your Orbit Infant System cont'd

It should not move more than 1" in any direction, otherwise additional vehicle seat belt tightening may be needed.

To tighten further, unbuckle the vehicle seat belt, remove from the Belt Clips, shorten the length of vehicle lap belt slightly and repeat steps # 4 - 9.

Lap-Only Vehicle Seat Belt Routing:

10. While pressing down upon the Infant Car Seat, pull on the extender strap (if available) to tighten the lap-only belt on the Infant Car Seat (Photo I). Mark the length of the lap-only belt by holding both portions of the strap together near the Belt Clip (Photo J) and unbuckle the vehicle seat belt.

Traveling with Your Orbit Infant System cont'd

11. While holding the strap in place, slip both portions together into the Belt Clip. (Photo K). Make sure the belt cannot slip relative to the seat buckle.

12. Re-buckle the lap-only belt into place. You should apply weight upon the Infant Car Seat again to do so.

13. Slip the strap on the other side of the Infant Car Seat into the other Belt Clip. (Photo L).

14. **CHECK** that the Infant Car Seat is at the proper angle. The bottom edge of the Infant Car Seat MUST be horizontal. If the bottom edge is not horizontal, remove and re-install the Infant Car Seat, using a folded

Traveling with Your Infant Car Seat

Traveling with Your Infant Car Seat

Traveling with Your Orbit Infant System cont'd

towel to make the Infant Car Seat level. (Photo M).

15. **CHECK** the security of the installation by pulling the Infant Car Seat in several directions (Photo N). It should not move more than 1" in any direction, otherwise additional vehicle seat belt tightening may be needed.

   To tighten further, unbuckle the vehicle seat belt, remove from the Belt Clips, shorten the length of vehicle lap belt slightly and repeat steps # 10 - 15.

Using in the Aircraft

This Infant Car Seat is certified for use in motor vehicles and aircraft.

Contact the airline in advance to be sure this child restraint complies with their specific requirements. Use the Infant Car Seat in forward-facing aircraft seats only and in a position where the seat belt can be tightly secured.

To secure the Infant Car Seat to the aircraft seat, follow the "Lap-Only Vehicle Seat Belt Routing" instructions for securing the Infant Car Seat starting on page 72.

Terms You Need to Know: Base

Rotational Check
Mechanism

SmartHub™

Skins

Maintaining Your Orbit Infant System

Terms You Need to Know: Infant Car Seat

Sunshade

Soft Carrier Handle

Shoulder Strap Slots

Center Panel

Shoulder Straps

Buckle

Upholstery

Adjuster Strap Lock
(under flap)

Adjuster Strap

Cleaning
Upholstery and the Infant Insert

The Upholstery, Shoulder Pads, and Infant Insert can be machine washed for cleaning. These items can be easily removed while the Harness Restraint stays in place. Replace the Upholstery and Shoulder Pads once cleaned and dried completely, DO NOT use the Infant Car Seat without them.

To clean the Upholstery, Shoulder Pads, and Infant Insert:

1. Machine wash in cold water on delicate cycle. Orbit Baby always recommends using a front loading washer and washing the Upholstery inside a pillow case to avoid damage. DO NOT USE BLEACH.

2. Lay the Upholstery and Infant Insert flat to dry. Machine drying may cause excessive shrinkage and result in the Upholstery not fitting the Infant Car Seat properly.

Maintaining Your Orbit Infant System

A

B

C

Cleaning cont'd

To remove the Upholstery:

1. Free the top and bottom edges of the Upholstery from the Infant Car Seat by unhooking each of the corners near the Carry Handles (Photo A).

2. Unbuckle the Restraint Harness. Open the Center Panel by pulling apart the hook and loop fasteners (Photo B). Pass the shoulder straps through the Center Panel.

3. Detach the Adjuster Strap from the Upholstery (Photo C).

4. Release the fasteners holding the Sunshade to the Upholstery.

5. Remove the Buckle Pad by pushing the Buckle firmly through the slots. This will take some effort, but will

Cleaning cont'd

not cause damage to the Buckle Pad (Photo D).

6. Pull the Buckle through the slot in the Upholstery (Photo E), which completely frees it from the Infant Car Seat.

To replace the Upholstery:

1. Undo the Chest Clip and release the Buckle Tongues. Thread each side of the Restraint Harness through the Center Panel of the Upholstery.

2. Position the Upholstery within the Infant Car Seat.

3. Noting which plastic slots that the shoulder straps are in, thread the shoulder straps through

D

E

F

G

H

I

Cleaning cont'd

the corresponding slots in the Upholstery (Photo F).

4. Thread the lap portion of the straps through the slot at the bottom of the Center Panel (Photo G). Make sure the straps can move freely through the slots without any interference from the hook and loop fasteners.

5. Push the Buckle through the slot in the Upholstery (Photo H). DO NOT thread the Buckle through the square hole.

6. Place the Buckle Pad back onto the Buckle strap (Photo I), positioning it to rest between your child and the Buckle.

7. Wrap the top and bottom elastic

Cleaning cont'd

edges over the plastic rim (Photo J). Hook the corners into place.

5. **CHECK** that the Center Panel's fasteners do not interfere with the free movement of the shoulder straps (Photo K).

6. **CHECK** that the Restraint Harness is not twisted and pull on the straps to make sure the Restraint Harness is secure.

7. Attach the end of the Adjuster Strap onto the Upholstery (Photo L).

8. Re-attach the end of the Sunshade to the back edge of the Upholstery. This is the last step for re-installing the Upholstery in the Infant Car Seat.

J

K

L

Cleaning cont'd

Metal and Plastic Parts
Metal and plastic parts on the Infant Car Seat and Base may be wiped clean with a mild soap and water solution. Do not use household detergents, such as bleach or abrasive agents. These detergents can weaken plastic parts.

Restraint Harness, Straps and Belts
The Restraint Harness and other Straps and Belts may be spot cleaned. DO NOT immerse the Restraint Harness Straps in water. Doing so may weaken them.

Buckle and Buckle Tongues
The Buckle may be cleaned with a damp cloth. NEVER lubricate the Buckle.

Sunshade
The Sunshade is removable and may be spot cleaned with a damp sponge and mild soap. Do not machine wash or dry the Sunshade.

Infant Car Seat Skins and Soft Carrier Handle
The Skins and the Soft Carrier Handle are not removable. These items can be spot cleaned with a damp sponge and mild soap.

Cleaning cont'd

SmartHub, Rotational Check Mechanism, & Hub Locks
Keep the Base's SmartHub and Rotational Check Mechanisms clean and free of foreign material. As well, keep the Hub Locks on the Infant Car Seat clean and free of foreign material in order for the Infant Car Seat to lock properly. Do not allow any liquids to enter these areas.

Limited Customer Warranty

What this limited warranty covers and for how long:
Orbit Baby, Inc. ("Orbit Baby") 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. 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, and (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.

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 resellers are not responsible for:
In no event will Orbit Baby or any of its retailers, dealers, distributors or resellers 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, Inc., 8445 Central Ave., Newark, CA 94560, or call 1-877-672-2229 or email to support@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.

Please keep this instruction manual for future use.

After-Impact Exchange

If your Infant Car Seat and Base were involved in a vehicle collision, please contact Orbit Baby customer service or go to **www.orbitbaby.com/support** to find out if the products qualify under our After-Impact Exchange program.

Customer Service & Replacement Parts

There are three ways to contact Orbit Baby Customer Service with questions or comments, or to order replacement parts:

1. by internet: **www.orbitbaby.com/support**
2. by email: support@orbitbaby.com
3. by phone: 1-877-ORB-BABY (1-877-672-2229)

When you contact us, please have your product's model number, serial number, and date of manufacture ready. These numbers can be found on the Product Information Label (page 17).