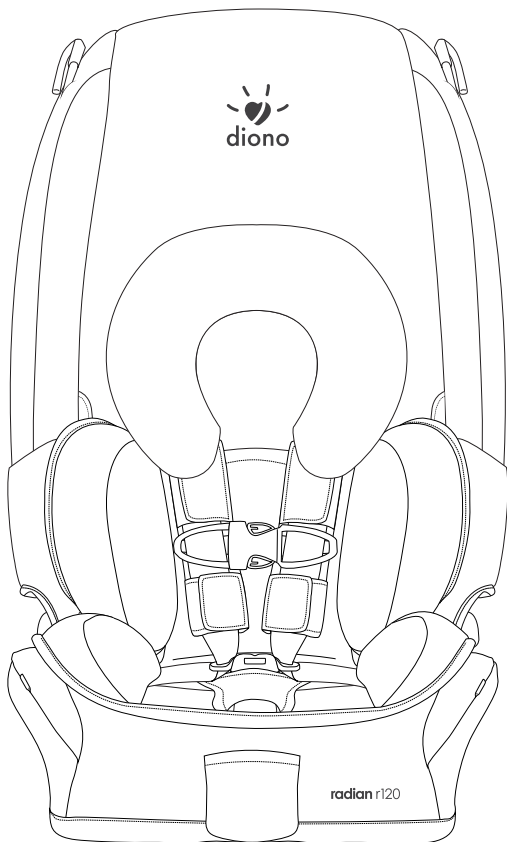




radian® r120

convertible + booster



Instruction Manual

US Version

Please read carefully
Store manual behind cover



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**WARNING:**

Failure to follow the warnings on the labels and in the instruction manual can result in serious injury or death to your child.

First Steps Summary

Registration

Register your car seat.

- Mail in your registration card or go online to **us.diono.com** and register your car seat.

REGISTER your car seat online at **us.diono.com** or PLEASE COMPLETE AND MAIL THE OWNER REGISTRATION CARD THAT CAME WITH YOUR SEAT WITHIN THIRTY (30) DAYS OF PURCHASE. Any claim or legal action available to the purchaser under this Limited Warranty must be filed or brought within one year from the date of original retail purchase, and purchaser agrees that in the event of any dispute, all disputes shall be brought, if at all, in a court located in Pierce County, Washington to the exclusion of any other court. The prevailing party shall receive all costs and reasonable attorneys' fees, including for any appeal.

Tear off and mail this part

Consumer: Please fill out your name, address and restraint serial #.

Name _____

Street Address _____

City _____ State _____ ZIP Code _____

Email Address _____

CHILD RESTRAINT REGISTRATION CARD

MODEL: _____ SERIAL: _____

MANUFACTURED IN: / / YY DATE OF PURCHASE: / / YYYY

You **MUST** fill out this information found on a label on the side of the car seat

Save time, register online. <http://us.diono.com/register>

US 03-03-13

Get to Know Your Car Seat

Read all safety warnings on pages 14-15.

Get to Know Your Car Seat (cont.)

Upon removing your car seat from the box, unfold your seat.

(See pages 7-9)

- Check to be sure the area is clear of debris.
- Remove body support and infant head support cushions.
- Check that your seat is in the unfolded and locked position.

Get to know the parts, pieces, and accessories of your car seat.

(See pages 12-13)

Seat Position

Determine the seating position of your child.

(See pages 10-11)

- Will your child be rear-facing or forward-facing?

Determine how you will be installing your seat.

(See pages 10-11)

- LATCH or seat belt installation
- Top Tether
- Booster Mode without harness
- Safe Stop® (**Please Note:** Do not discard Safe Stop® as you may need this piece later during your child's development)

Harness Position

Be familiar with the steps to properly secure your child in your car seat.

(See pages 21-29)

- Proper harness height and maximum child weights.
- Harness buckle location and installation.
- Infant support cushions

First Steps Summary (cont.)

Installation

Properly secure your car seat in your car.

(See pages 30-37 for rear-facing installation and pages 38-47 for forward-facing installation)

- Double check your work.
- Did you do a car seat stability check?

Place your child in your installed car seat.

(See pages 21-27)

- Are your harness straps snug?
- Is your child's harness in the correct position?
- Double check your work.

Important: It is important to check your car seat in ALL installation methods right away. Do not wait. Doing so ensures your seat works when installed with a seat belt, SuperLATCH™ and in booster mode.

Unfolding and Folding the Car Seat

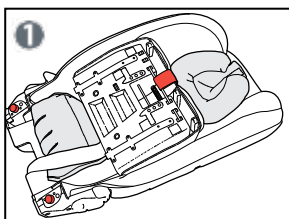
WARNING:

- Do **NOT** carry the car seat by harness adjuster strap. This can damage the mechanism and the webbing.
- Do **NOT** use the car seat if release levers or locking bolts bind or do not move freely. When release levers are lifted, release levers and locking bolts should spring back immediately.
- Do **NOT** oil or lubricate any part of car seat.
- Always confirm car seat is locked securely in its unfolded position before each use.
- To avoid risk of injury, keep others at a safe distance during folding and unfolding.
- Familiarize yourself with car seat unfolding and folding operations prior to use.
- Foreign objects and debris can interfere with proper operation of locking mechanism. Before installation, confirm both locking bolt and release lever areas are free of any debris (*See pages 54-57 for cleaning of mechanisms*).

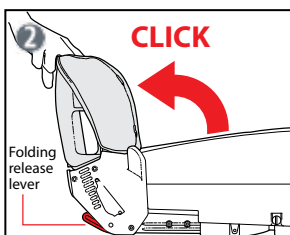
Unfolding the Car Seat

Important: Before unfolding seat, remove body support cushion, if it is present.

- 1 Place car seat on its back on a flat surface and unfasten red carry strap from the bottom. Be sure the harness adjuster moves freely and is not locked within the bottom of the seat.

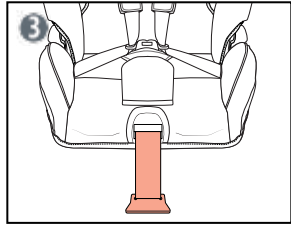


- 2 Firmly rotate the bottom until a 'click' confirms the car seat is locked in the open position.

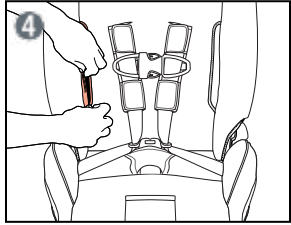


Unfolding and Folding the Car Seat (cont.)

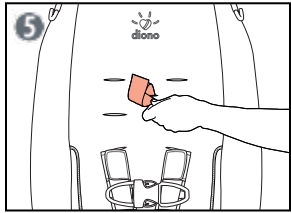
- 3 Pull harness adjusting strap until harness begins to tighten. If strap does not slide freely, fold car seat, remove harness adjusting strap from fold joint and repeat Step 3.



- 4 Fasten both fabric side panels to center panel.



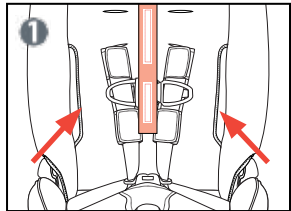
- 5 **To Store:** Tuck the red strap behind cover through the slit in the cover between the top two harness slots.



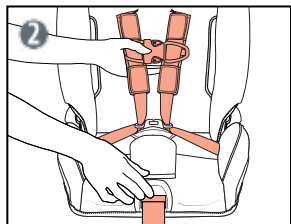
Important: Confirm release levers are completely recessed inside their housings. Confirm the car seat is locked in the open position. If not, repeat Step 2.

Folding the Car Seat

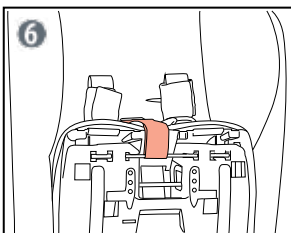
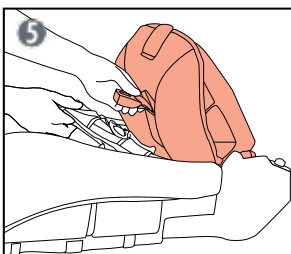
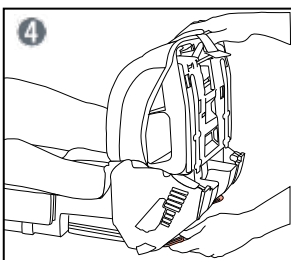
- 1 Unbuckle harness and remove the infant cushions (if used) and take out the red carry strap from behind the cover. Unfasten both fabric side panels and open fully.



- 2 Loosen harness straps, pads, and chest clip: lift silver lever (Camlock) while pulling the harness straps all the way forward towards the top center of the car seat.



- 3 Adjust both expandable sides to their inward position.
- 4 Place car seat on its back, push either release lever downward to release locking bolts.
- 5 Keep harness buckle lifted toward the top of the car seat while folding seat bottom up to avoid pinching the buckle within the fold.
- 6 Fasten red carry strap on the first metal bar to secure the bottom of the car seat in its folded position.



Important: If car seat does not easily fold completely, do NOT force it closed. Repeat steps 1-8 as needed.

WARNING:

- Car seat can accidentally unfold and cause injury if not properly secured by carry strap.

LATCH vs. Seat Belt Installation

WARNING:

- This car seat should **NEVER** be installed using both the lower anchors and the seat belt at the same time. It is not tested this way. Therefore, we cannot determine if this is a safe way to install the car seat.

Either installation meets all Federal Motor Vehicle Safety Standards. In some vehicles one or the other might give you a correct installation.

Rear-Facing Capacity

Child's Weight: 5-45 lbs.

Child's Height:
Less than 1.5" from top
of head to top of seat

• SuperLATCH® only	up to 35 lbs.
• SuperLATCH® & top tether	up to 35 lbs.
• Seat belt only	up to 45 lbs.
• Seat belt & top tether	up to 45 lbs.
• Lap-shoulder belt over child	
• Lap-shoulder belt over child with SuperLATCH® & top tether	

Got a Question?

Please visit our website us.diono.com for tips and videos on installations, adjusting the harness and other frequently asked questions.

Or, you can call our Customer Care Department. We have highly trained Customer Care Representatives who are also Certified Child Passenger Safety Technicians (CPST).

Call us Toll-Free at 1-855-463-4666. We are open from 8 a.m. – 5 p.m. Pacific Standard Time, Monday through Friday.

In addition, a certified Child Passenger Safety Technician might be located near you. To find one you can go to, www.safercar.gov. These individuals are usually volunteers, dedicated to educating parents on installations and are willing to help. Please note: These technicians are **NOT** employed by Diono, LLC.

In many cases, either one will give you a correct installation.

LATCH stands for Lower Anchors and Tethers for Children. SuperLATCH™ is the same as LATCH, but only attaches to the lower anchors of your vehicle's seats.

Here are your choices for installation: Diono always recommends using the Top Tether strap if an appropriate anchor is available.

Forward-Facing Capacity

Child's Weight: 20-80 lbs.

Child's Height:
Up to 57" tall or top
of ears are above top

up to 40 lbs.

up to 40 lbs.

up to 80 lbs.

up to 80 lbs.

Booster Mode

Child's Weight: 50-120 lbs

Child's Height:
Up to 57" or top
of ears are above top

up to 120 lbs.

up to 120 lbs.

Expiration Date

All car seats have expiration dates.

This **radian® r120** car seat expires 10 years after the date of purchase (DOP). If the date of purchase can't be determined, refer to the date of manufacture (DOM). The label with this information is located on the child's left hand side of the car seat.

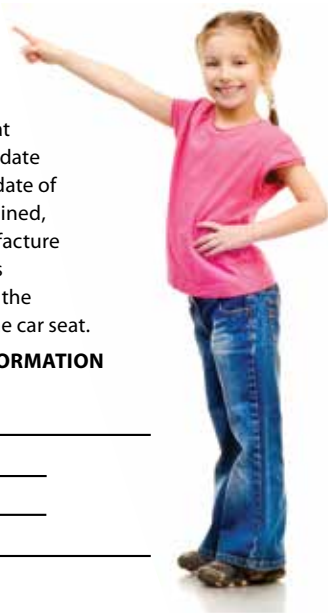
WRITE YOUR SEAT INFORMATION HERE:

MODEL #: _____

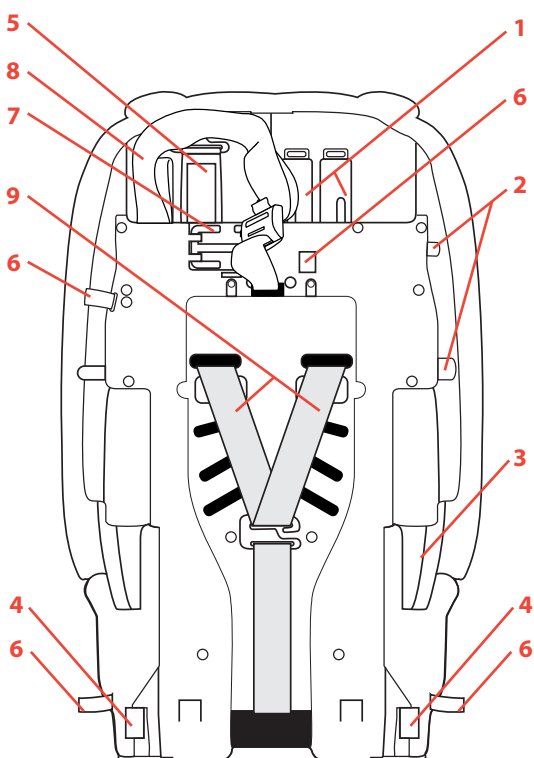
DOP: _____ / _____

DOM: _____ / _____

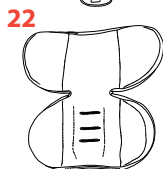
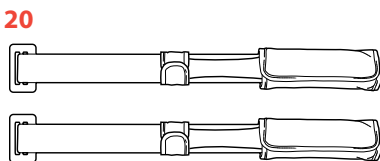
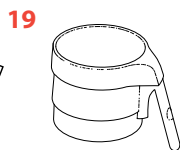
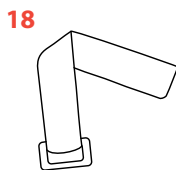
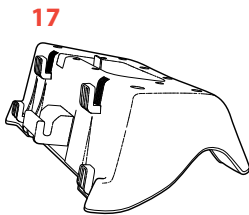
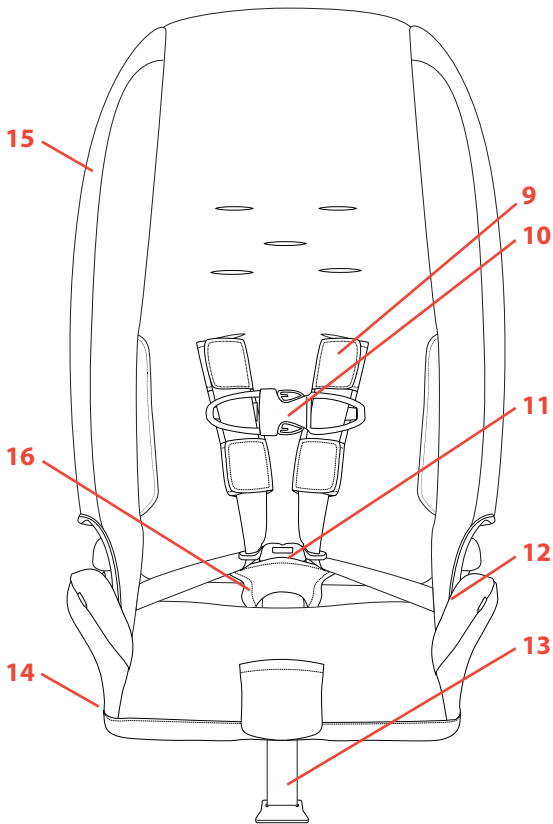
SERIAL #: _____



Get to Know the Parts and Features of your diono® radianr120



- | | |
|---|--|
| 1 SuperLATCH™ storage | 14 Rear-facing belt path |
| 2 SuperLATCH™ attachment strap guide | 15 Booster mode shoulder belt guide |
| 3 Forward-facing belt path | 16 Buckle pad |
| 4 Folding release levers | 17 Detachable rear-facing base |
| 5 Safe Stop® | 18 Rear-facing top tether connector strap |
| 6 Carry strap loops | 19 Cup holder |
| 7 Locking clip | 20 65 lb+ enhanced harness pad |
| 8 Top tether strap | 21 Infant head pillow |
| 9 Harness straps | 22 Body support |
| 10 Chest clip | |
| 11 Harness buckle | |
| 12 Expandable sides | |
| 13 Harness adjuster strap | |





WARNING

DEATH OR SERIOUS INJURY CAN OCCUR

- Follow all instructions labeled on this child car seat and in the written instruction manual on the lanyard located on back of car seat. For newborns or children without head control, consult pediatrician for recommended seat back angle before installation.
- Failure to follow all instructions and product labels can result in death or serious injury in a crash. Carefully read and understand this instruction manual prior to using car seat. If you have any questions, visit us.diono.com or contact Diono at **1-855-463-4666**.
- Use only with children weighing between 5 lbs to 120 lbs (2.3 to 54 kg).
- With any infant weighing less than 20 lbs (9.1 kg), use only rear-facing.
- **Child weight limits:**

Rear-facing:	5-45 lbs (2.3-20.5 kg)
Forward-facing with 5-point harness:	20-80 lbs (9-36 kg)
Booster mode:	50-120 lbs (23-54 kg)
- **Maximum heights:**

Rear-facing:	44" / 112 cm
Forward-facing:	57" / 144 cm
- Secure the top tether anchorage strap provided with this child restraint.
- Always use the Safe Stop® device according to manufacturer's instructions.
- Always use a locking clip if it is required for proper car seat installation. Consult vehicle owner's manual.
- Always adjust restraint harness for a comfortable and snug fit around child. A snug harness 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.
- This car seat is not for use in homes, boats, on a motorcycle or in any other non-specified applications or environments.
- Always keep this child car seat secured in the vehicle even when it is unoccupied. In a crash, an unsecured child car seat system may injure other occupants.
- In the event of an accident, the vehicle body itself provides the most significant passenger protection. While a properly installed car seat will improve chances for survival in most accidents, some crashes are unsurvivable regardless of what car seat is used.



WARNING

DEATH OR SERIOUS INJURY CAN OCCUR

- Based on accident statistics, the National Highway Traffic Safety Administration recommends the vehicle's rear seat as the safest location for all children under age 13.
- Register this car seat with the manufacturer by mailing your registration card in (*See page 4*) or registering online at: **us.diono.com**


Child Seating Position Information


WARNING:

- Before installing car seat in a vehicle equipped with front passenger air bags, carefully read the vehicle owner's manual for proper car seat installation instructions.
- This child-restraint system must be used only in a forward-facing seating position equipped with a vehicle seat belt or LATCH anchors. Some vehicles have no seating positions which are compatible with this child seat. If in doubt, contact the vehicle manufacturer for assistance.

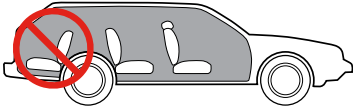
Forward-facing vehicle seats **MUST** be used with this child seat. Side-facing or rear-facing seats **CANNOT** be used.

- This car seat meets all applicable U.S. Federal Motor Vehicle Safety Standards.

 **WARNING:** Only use this child restraint in forward-facing vehicle seats. **DO NOT** use this child restraint in side-facing or rear-facing seats in vans or station wagons.



Seats which face sides of vehicle.



Seats which face rear of vehicle.

- This car seat is certified for use in motor vehicles and aircraft.
- Register this car seat with the manufacturer by mailing your registration card in (*See page 4*) or registering online at: **us.diono.com**

Child Car Seat Safety Information

- This restraint meets all applicable U.S. Federal Motor Vehicle Safety Standards (FMVSS 213).
- This restraint is certified for use in motor vehicles and aircraft.
- Register this restraint with the manufacturer.

Child restraints can be recalled for various reasons. To be reached directly in the event of a recall, you must register your restraint with the manufacturer. Fill out the included product registration card and mail it. You can register online at **us.diono.com**. You can also register by sending your name, address, the restraint's model and serial numbers to:

Diono LLC
PO BOX 77129
Seattle, WA 98177

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



WARNING: DO NOT place a child car seat in the front seat of a vehicle with a passenger air bag unless the air bag is turned off. **DEATH or SERIOUS INJURY** can occur. The back seat is the safest.

Important:

- Before each use, always confirm car seat is securely installed and harness is properly adjusted around the child. Remember: The addition or removal of clothing will change the fit of the harness, especially bulky winter jackets. Diono recommends harnessing your child first and placing a blanket over them or putting their jacket on backwards.
- Always confirm before each use that car seat is securely locked in its unfolded position.
- If the vehicle seat has an adjustable seat back angle, make sure seat back is securely locked open in its most upright position. An incorrect seat back angle or unsecured seat back will impair the car seat installation and its ability to protect the child occupant.
- Cover car seat when vehicle is parked in direct sunlight. Parts of the car seat can become hot and cause injury to a child.
- Do **NOT** leave any child in a vehicle alone or unattended by an adult.

Important:

- Secure all personal objects inside the vehicle. In an accident, loose objects can become flying hazards with the potential for causing serious injury.
- Except per the instructions in this manual or as instructed by a representative of the manufacturer, do not disassemble, attempt to disassemble or tamper with any part of this car seat or change the way the car seat harness or the vehicle restraint system is used. Doing so will void the warranty.
- Do **NOT** use car seat if there is any appearance of rust on any of the metal surfaces.
- Do **NOT** oil or lubricate any part of the car seat.
- Release levers and locking bolts should operate smoothly and freely. When release levers are lifted, the release levers and locking bolts should spring back immediately and completely. Do not use car seat if release levers and/or locking bolts wither bind or do not move freely.
- When not in use, store car seat in a climate-controlled area, and avoid placing heavy objects on top of it.

To prevent injury to child:

- Do **NOT** use this car seat if it is older than 10 years from the original date of purchase. If the original date of purchase cannot be determined, do **NOT** use this car seat if it is older than 10 years from the date of manufacture. The date of manufacture can be found on the information label permanently affixed to the car seat.
- If the webbing of the harness system becomes soiled and cannot be cleaned per the instructions in this manual, the harness system **MUST** be replaced. Replacement of the harness system does **NOT** extend the life of this car seat beyond 10 years.
- Do **NOT** use car seat after it has been involved in any crash, whether the child was present in the car seat or if the car seat was unoccupied. Damage to the car seat may have occurred which could impair its ability to adequately protect a child. Please call our Customer Care team at **1-855-463-4666** so we can help you determine if your seat needs to be replaced.
- This car seat is not a toy. Do not allow children to play with it.
- Using any non-Diono product with this car seat, or any product not specifically approved by Diono for use with this car seat, is not allowed. Use of such products voids manufacturer's warranty and may seriously impact this product's ability to perform properly in an accident.

Seat Belt Information

The information below applies only to installations using vehicle seat belts.

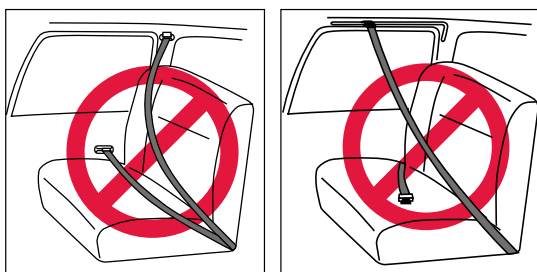
Important:

- This car seat can be installed securely in most vehicles using the seat belt. However, some seat belts have an anchoring position for the lap belt that may not allow a secure car seat installation.
- Some vehicles do **NOT** have any seating positions that are compatible with a child car seat. Read your vehicle owner's manual to determine child-specific seating. Contact the vehicle manufacturer if you have any doubts or questions.

Vehicle seat belts that are **NOT** compatible with this car seat are:

- *Seat belts with top or bottom anchorage points attached to the front door.*
- *Motor driven automatic seat belts.*
- *Non-locking, Emergency Locking Retractor (ELR) two-point vehicle seat belts.*

If your seat belt is one of the types listed above, choose another seat within the vehicle or use LATCH connectors and anchorage points. Information on the types of seat belts in your vehicle are in the vehicle owner's manual. See Lower Anchor weight limits for each mode of installation (*See pages 31-32 and 40-42*).



Inflatable Seat Belt:

Currently this car seat is not compatible with any inflatable seat belts. Please choose another seating position in the vehicle without inflatable seat belts or use the lower anchors in your vehicle to install the car seat. Consult your vehicle owner's manual for more information.

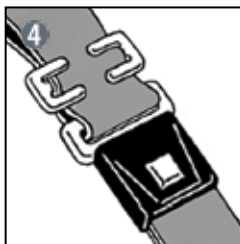
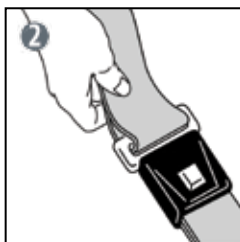
Locking a Vehicle Lap-Shoulder Belt with a Locking Clip

WARNING:

- Failure to properly lock the seat belt will result in an unsafe installation that will greatly increase the potential for injury or death to the child in an accident.
- If your vehicle lap shoulder seat belt is equipped with ELR (Emergency Locking Retractor) that does not switch to function as an ALR (Automatic Locking Retractor), you **MUST** use a locking clip to secure lap portion of vehicle seat belt. If you have any questions about the specific type of seat belt system in your vehicle and its operation, consult your vehicle owner's manual or contact vehicle manufacturer.

For rear-facing (*See pages 33-34*) and forward-facing (*See pages 43-44*) on a lap-shoulder belt installation.

- 1 Remove locking clip from storage location on the upper left side car seat back.
- 2 After seat belt is tightened, hold the lap and shoulder portions together with one hand. This determines the correct seat belt length.
- 3 Using your other hand, press and release the seat belt buckle. While still holding the lap and shoulder belts together, slide the belts into the locking clip.
- 4 Re-insert seat belt buckle tongue into buckle and check for a tight fit at the correct belt path for chosen installation.
- 5 If seat belt is not tight enough, re-tighten seat belt and repeat Steps 2 through 4.
- 6 Once seat belt is tight and locked, follow instructions for Top Tether Use (*See page 37 for rear-facing or page 47 for forward-facing*), if applicable.



Tip: To prevent loss after use, secure locking clip in its storage location on the back of the car seat.

Car Seat Stability Checklist

WARNING:

- An unstable installation is **NOT** safe and will greatly increase the potential for injury or death to the child in an accident.

Confirm stability of car seat after installation and before each use. Here's how to check:

- 1 Grasp car seat near belt path being used. Attempt to move car seat side-to-side and front-to-back: car seat should not move more than 1" in any direction. Car seat should stay securely installed and the securing belt (either LATCH belt or vehicle seat belt) must remain tightly adjusted.
- 2 If car seat does not stay securely installed, car seat installation is **NOT** safe. You **MUST** re-install car seat according to the car seat instructions and your vehicle owner's manual. In order to achieve proper installation you may need to choose an alternate installation method or seating location within the vehicle.

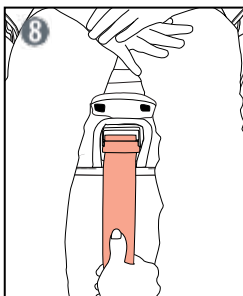
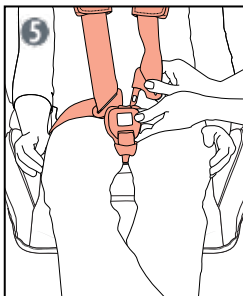
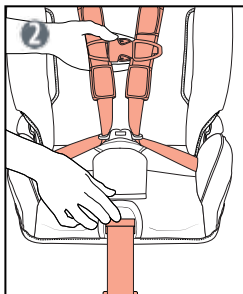
- Check for correct belt path use.**
Read belt path label.
- Seat belt installed?**
Is seat belt in locking mode?
- Lower anchor strap installed?**
Be sure the strap is tight and not slipping loose.
- Do not grab top of seat for stability check.**
- Attach top tether if appropriate anchor is available.**
- Is the seating position appropriate for a car seat installation?**
Check vehicle manual.

Positioning of the Harness (Rear-facing or Forward-facing)

WARNING:

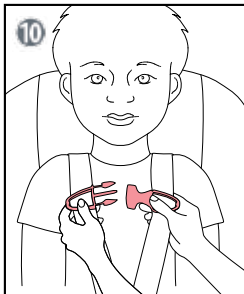
- Serious injury or death can result if child is not properly secured in car seat. Confirm harness is snug before each use and after making any car seat adjustments. **A snug harness strap should not allow any slack. It lies in a relatively straight line without sagging. It does not press on the child's flesh or push the child's body into an unnatural position.**

- 1 Confirm proper car seat installation.
- 2 To loosen harness: lift silver lever and pull shoulder straps forward.
- 3 Unfasten chest clip and harness buckle, and move harness straps to the sides.
- 4 Properly position child in car seat: sitting upright and all the way back in the car seat.
- 5 Position harness straps around child and fasten harness buckle with circle buckle pad between buckle and child.
- 6 Confirm harness buckle is properly fastened by gently tugging.
- 7 Gently pull harness straps upward to snugly fit lap portion of harness which should fit low on child's body, across the hips.
- 8 Slowly pull harness adjuster strap downward (forward-facing) or straight up (rear-facing), using a pull-tug, pull-tug motion, to tighten harness for a comfortable and snug fit around child.

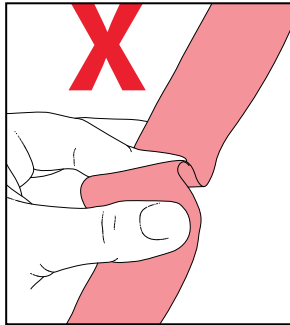
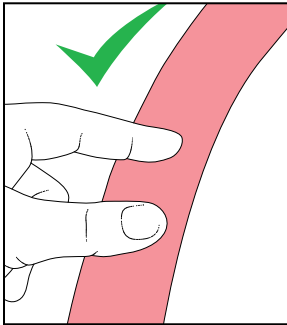


Positioning of the Harness (cont.)

- 9 Confirm harness is not twisted and lays flat against child.
- 10 Properly position harness chest clip so that it is level with child's armpits. Fasten chest clip together.



Pinch Test



Do the Pinch Test

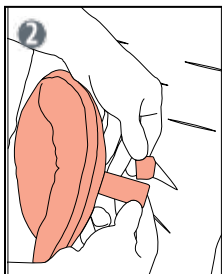
Take the thumb and index finger and 'glide' your fingers along the harness at the collarbone, not necessarily trying to pinch excess. If you are able to pinch more than half an inch of the harness strap, the straps should be tightened down more. If you are getting less than half an inch the harness is secured properly.

Infant Support Cushion Use

Infant Head Pillow and Body Support

This car seat features a full infant head and body support. Use of the support cushions is optional and does not affect the safety of the seat.

- 1 Slide crotch buckle through the slot on the bottom cushion that matches the child's buckle position. Be sure the buckle pad is above the bottom cushion.
- 2 Infant Head Pillow: Fasten hook and loop tabs through the harness slots and position the infant head pillow in place. Connect the head pillow hook and loop to the upper portion of the body support pillow.

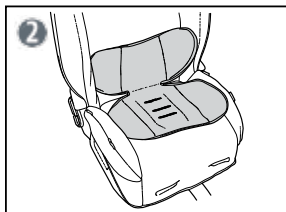
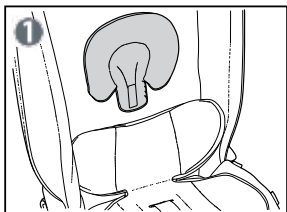


Tip: You may use the cushions up to any weight for maximum comfort and support. Use of the support cushions is optional and does not affect the safety of the seat.

Body Support

You can use the Body Support by itself to properly position a toddler in the harness.

- 1 **Remove infant head pillow** and place body support in car seat for toddlers.
- 2 Slide metal crotch buckle through the slot on the bottom portion of the cushion that matches the child's buckle position. Be sure the buckle pad is above the body support.



Harness Straps

WARNING:

- All harness slot positions can be used rear-facing, however, only use the top three shoulder harness positions for forward-facing.
- When using uppermost harness position, the level of the child's shoulders can be above the harness slot as long as the child is the proper height.



For a step-by-step installation, watch our video here:
www.youtube.com/DionoUSA

Max Child Height

Adjust to correct harness height before installing the car seat:

- 1 Rear-facing:** Straps should be in nearest slot at or below the level of child's shoulders.

Maximum Height: Rear-facing child is too tall for car seat if top of head is less than 1½" from top of car seat or if child is more than 44" tall (112 cm) (See Figure 3).



- 2 Forward-facing:** Straps should be in nearest slot above the level of child's shoulders.



- 3 Maximum Height:** Forward-facing child is too tall for car seat if tops of the ears are above the back of the car seat or if child is more than 57" tall (144 cm) (See Figure 3).

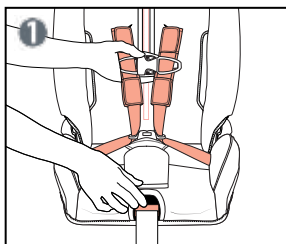


Important: Child is too tall if the shoulders touch the bottom of the adjustable head wings when they are set at their highest position.

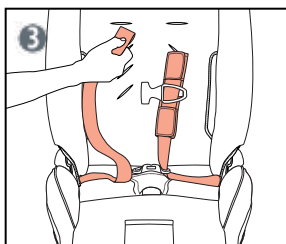
Harness Straps (cont.)

Changing Harness Position

- 1 Loosen harness: lift silver lever Camlock and pull shoulder straps forward.

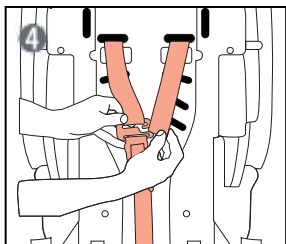


- 2 From back of car seat, remove shoulder straps from metal hook.



- 3 From front of car seat, pull shoulder straps out and re-thread them through the correct height harness slots.

- 4 From back of car seat, re-attach shoulder straps to metal hook (left strap first).



Confirm harness straps are not twisted and both shoulder straps are threaded through car seat at the same height.

Important: Make sure loop ends of **BOTH** straps are threaded completely onto the arm of the metal hook. Attach left harness first then right harness, while looking at the back of the car seat.

Harness Buckle

Proper Harness Buckle Position

- 1 Confirm location of harness buckle is correct.

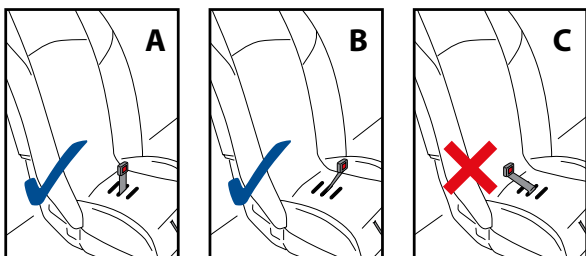
To ensure proper harness fit:

Place child in the car seat to determine proper harness buckle position.

- For rear-facing, any 3 buckle positions are acceptable, as long as the harness is snug on the child's shoulders.
- For forward-facing, see Step 2 below.

- 2 **For children 5–30 lbs:** Harness buckle can be directly above its buckle slot (Fig. A) or forward of its buckle slot (*See Figure B*). **For forward-facing children over 30 lbs:** Always use forward-most buckle location.

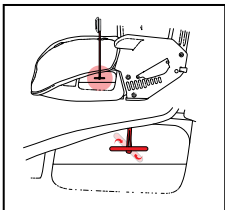
In all cases, be sure the buckle is up against the child's body.



Change Harness Buckle Position

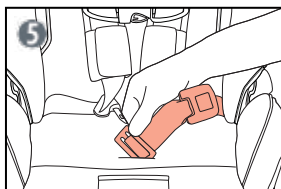
Tip: If you remove the bottom portion of the cover, the harness buckle will be easier to adjust.

- 1 Locate correct harness buckle slot.
- 2 Unbuckle harness.
- 3 Push harness buckle strap down 2 inches into rear facing belt path tunnel.
- 4 Guide buckle strap and metal D-ring upward and rotate it slightly to fit through the rear-facing belt path in the car seat bottom.



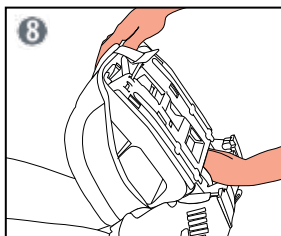
Harness Buckle (cont.)

5 Hold metal D-ring and then rotate it slightly to slide it completely through desired slot in car seat bottom.



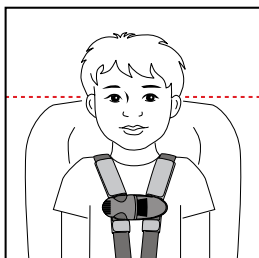
6 Firmly pull buckle upward to confirm it is secured by car seat bottom.

7 Confirm red release button faces toward front of car seat and buckle strap is not twisted.



8 For larger hands or if buckle is in position closest to child, partially fold the car seat to access metal D-ring through bottom of car seat.

Harness Pads



Important:

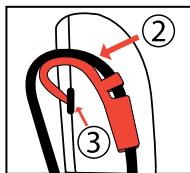
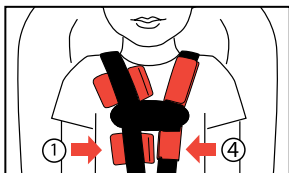
Two sets of harness pads are included:

- For children under 65 lbs., always utilize the soft harness pads when forward-facing. Usage for rear-facing is optional.
- For forward-facing children 65 lbs. and over, use the 65 lb. + Enhanced Harness Pads which are included in the box. *(See instructions for proper use on next page).*

Harness Pads (cont.)

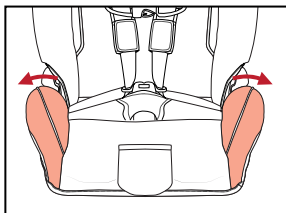
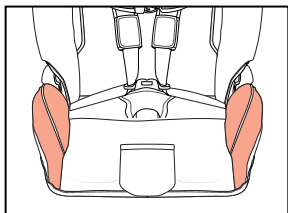
Installing Harness Pads for Children 65 lbs. and Over

Important: Before installing these harness pads, please remove the soft harness pads.



- 1 Place pad under harness strap with rubber side facing child.
- 2 Thread metal end through same slot as harness.
- 3 Thread completely back through the slot below.
- 4 Fold sides of pad over harness strap to fasten.
- 5 Place child in seat, firmly pull harness pad webbing forward and then down to assure webbing and pad fit smooth and snug on child. Tighten harness as per instruction manual (*see pages 21-22*). Position chest clip level with armpits and then fasten.

Expandable Sides



Expanding the sides of the car seat is optional and does not compromise the safety of the seat.

Sides may be adjusted either inward or outward.

Important: Before folding the car seat, both sides must be adjusted to their inward position (*See pages 8-9 for folding car seat*).

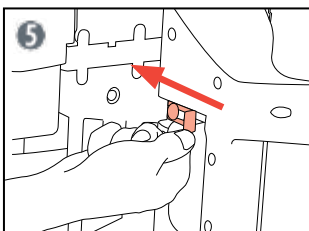
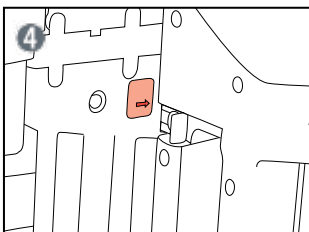
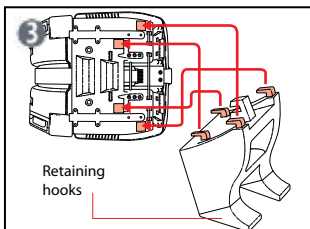
Detachable Base (Rear-facing)

WARNING:

- Detachable base must be used only when the car seat is rear-facing.
- Do **NOT** use detachable base when the car seat is forward-facing.
- Do **NOT** use pool noodles or rolled towel in lieu of detachable base, or to adjust the rear-facing angle of the seat.

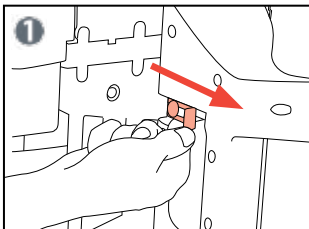
Installing base (rear-facing only)

- 1 Confirm car seat is locked in its unfolded position.
- 2 Confirm adjustable bottom is flush with the bottom of the car seat.
- 3 Align posts with holes and insert base into the bottom of the car seat.
- 4 Slide base back until it reaches alignment mark on the bottom of the car seat and secures into place.
- 5 Push in the metal tab to lock base.



Removing Base

- 1 Pull metal tab out to unlock base.
- 2 Slide base forward (the opposite direction as shown in picture).
- 3 Pull base away from the bottom of the car seat.



Rear-facing SuperLATCH™ Installation

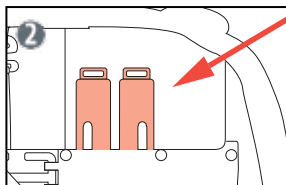
WARNING:

- You must use car seat rear-facing if child is less than 1 year and weighs less than 20 lbs (minimum requirements).
- Diono and the American Academy of Pediatrics recommend keeping children rear-facing to the maximum rear-facing weight or height capacities of this car seat (45 lbs. or head is less than 1.5" from top of shell).
- Consult your pediatrician for the correct angle for newborns and children without head control.
- You must remove SuperLATCH™ when child exceeds 35 lbs. Re-install Radian using the vehicle seat belt (*See pages 33-36*).
- Read vehicle manual regarding air bags, seating positions and warnings.
- Detachable base **MUST** be used with this car seat when it is rear-facing (*See page 30 for detachable base installation*).
- Make sure the bottom of the seat completely contacts the vehicle seat with no overhang.

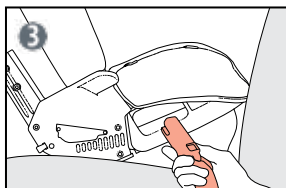


For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

NOTE: Detachable base **MUST** be used with this car seat when it is rear-facing (*See page 30 for detachable base installation*).



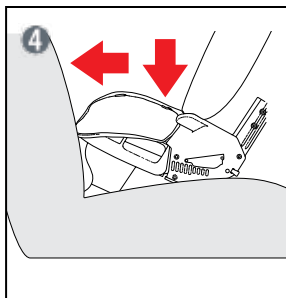
- 1** Check vehicle manual for correct anchor location. Confirm vehicle seating location has its own LATCH anchors. If it does not, you must use vehicle seat belt installation (*See pages 33-36*).



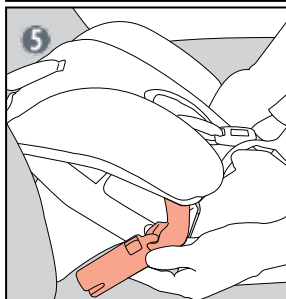
- 2** Locate SuperLATCH™ connectors secured in storage compartment on restraint back. Press red release button to remove each SuperLATCH™ connector and webbing. Slide the narrow SuperLATCH™ attachment strap out of plastic strap guides on side of the seat. Loosen strap to extend its length.
- 3** Slide the SuperLATCH™ through the opening above the rear-facing belt path label which is on the lower portion of the car seat. Be sure the SuperLATCH™ strap is flat and not twisted. Adjustment strap should be on the child's right side of car seat.

Rear-facing SuperLATCH™ Installation (cont.)

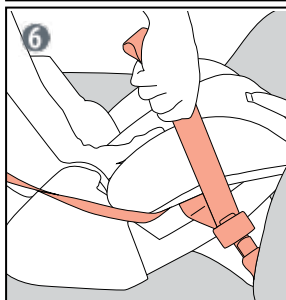
- 4 Place car seat so that both the seat bottom and feet of the detachable base are flat on the vehicle seat. Front of car seat should be up against back of vehicle seat.



- 5 Connect both SuperLATCH™ connectors to the correct lower anchors in the vehicle seating position. The red button will “click” and pop up to confirm secure attachment to anchors. Red buttons should be facing upward for correct fit and easy access. To release, press the red button. Red button will stay down when not in use.



- 6 Push down in the middle where the child sits, while tightening the SuperLATCH™ strap. To check for a tight fit, grab the seat near the label that states “rear-facing belt path” with one hand and give it a moderate tug. It should move less than 1 inch side-to-side, back-to-front.



Tip: If available, add the rear-facing top tether connector strap to the appropriate anchorage and attach the top tether strap (*See page 37 for installation instructions*).

Infant Support Cushion: You may use the cushions up to any weight for maximum comfort and support.

Important: It may be necessary to move front vehicle seat slightly forward to properly fit rear-facing car seat. The Diono Angle Adjuster may be purchased separately to adjust recline, if child can sit up unassisted and has full head control. Angle Adjuster is not appropriate for a newborn.

See final checklist on page 50

Rear-facing Lap-Shoulder Belt Installation

WARNING:

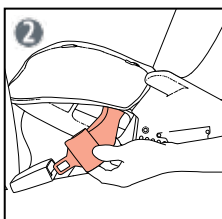
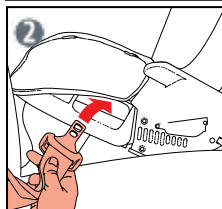
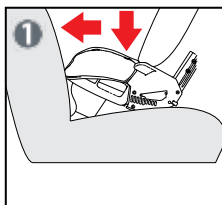
- You must use car seat rear-facing if child is less than 1 year and weighs less than 20 lbs (minimum requirements).
- Diono and the American Academy of Pediatrics recommend keeping children rear-facing to the maximum rear-facing weight or height capacities of this car seat (45 lbs. or head is less than 1.5" from top of shell).
- Consult your pediatrician for the correct angle for newborns and children without head control.
- Read vehicle manual to learn more about top tether anchors, air bags, seating positions, warnings, and how a vehicle seat belt locks.
- Detachable base **MUST** be used with this car seat when it is rear-facing (*See page 30 for detachable base installation*).
- Make sure the bottom of the seat completely contacts the vehicle seat with no overhang.



For a step-by-step installation, watch our video here:
www.youtube.com/DionoUSA

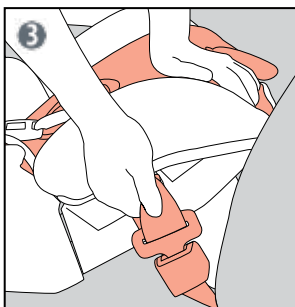
NOTE: Detachable base **MUST** be used with this car seat when it is rear-facing (*See page 30 for detachable base installation*).

- 1 Place car seat so that both the seat bottom and feet of the detachable base are flat on the vehicle seat. Front of car seat should be up against back of vehicle seat.
- 2 Slide the seat belt through the opening above the rear-facing belt path label which is on the lower portion of the car seat and insert it into the buckle. Be sure the belt is flat and not twisted. Check vehicle manual on how the seat belt locks.



Rear-facing Lap-Shoulder Belt Installation (cont.)

- 3** Push down on the bottom of the car seat while pulling all the slack out of the belt. It's best to do this close to the buckle. Be sure belt is locked and the car seat does not move more than 1 inch side-to-side, front-to-back at the belt path.



Tip: If available, add rear-facing top tether connector strap to appropriate anchorage and attach top tether strap (*See page 37 for installation instructions*).

Infant Support Cushion: You may use the cushions up to any weight for maximum comfort and support.

Important: It may be necessary to move front vehicle seat slightly forward to properly fit rear-facing car seat. The Diono Angle Adjuster may be purchased separately to adjust recline, if child can sit up unassisted and has full head control. Angle Adjuster is not appropriate for a newborn.

WARNING:

- Make sure vehicle seat belt is properly locked. If your seat belt does not lock, (*See page 19 for instructions on using the locking clip*).
- Failure to properly lock seat belt will result in an unsafe installation that will greatly increase the potential for injury or death to the child in an accident.
- Carefully read vehicle owner's manual to determine seat belt locking requirements or contact vehicle manufacturer.

See final checklist on page 50

Rear-facing Lap Belt Installation

WARNING:

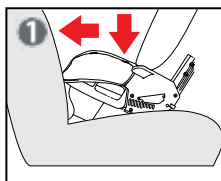
- You must use car seat rear-facing if child is less than 1 year and weighs less than 20 lbs (minimum requirements).
- Diono and the American Academy of Pediatrics recommend keeping children rear-facing to the maximum rear-facing weight or height capacities of this car seat (45 lbs. or head is less than 1.5" from top of shell).
- Consult your pediatrician for the correct angle for newborns and children without head control.
- Read vehicle manual to learn more about top tether anchors, air bags, seating positions, warnings, and how a vehicle seat belt locks.
- Detachable base **MUST** be used with this car seat when it is rear-facing (*See page 30 for detachable base installation*).
- Make sure the bottom of the seat completely contacts the vehicle seat with no overhang.



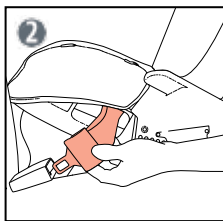
For a step-by-step installation, watch our video here:
www.youtube.com/DionoUSA

NOTE: Detachable base **MUST** be used with this car seat when it is rear-facing (*See page 30 for detachable base installation*).

- 1 Place car seat so that both the seat bottom and feet of the detachable base are flat on the vehicle seat. Front of car seat should be up against back of vehicle seat.

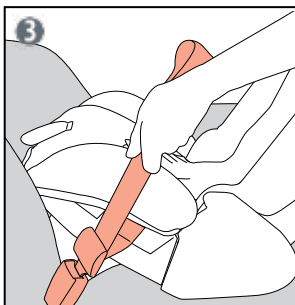


- 2 Slide the seat belt through the opening above the rear-facing belt path label which is on the lower portion of the car seat and insert it into the buckle. Be sure the belt is flat and not twisted. Check vehicle manual on how the seat belt locks.



Rear-facing Lap Belt Installation (cont.)

- 3** Push down on the bottom of the car seat while pulling all the slack out of the belt. It is best to do this close to the buckle. Be sure belt is locked and the car seat does not move more than 1 inch side-to-side, front-to-back at the belt path.



Tip: If available, add rear-facing top tether connector strap to appropriate anchorage and attach top tether strap (*See page 37 for installation instructions*).

Infant Support Cushion: You may use the cushions up to any weight for maximum comfort and support.

Important: It may be necessary to move front vehicle seat slightly forward to properly fit rear-facing car seat. The Diono Angle Adjuster may be purchased separately to adjust recline, if child can sit up unassisted and has full head control. Angle Adjuster is not appropriate for a newborn.

WARNING:

- Failure to properly lock seat belt will result in an unsafe installation that will greatly increase the potential for injury or death to the child in an accident.
- Carefully read vehicle owner's manual to determine seat belt locking requirements or contact vehicle manufacturer.

 **See final checklist on page 50**

Rear-facing Top Tether Installation

WARNING:

- Do **NOT** modify vehicle without approval from vehicle manufacturer or authorized vehicle dealer.
- Do **NOT** attach rear-facing top tether connector strap to any movable mechanism of a vehicle seat. Consult vehicle manual for recommended rear-facing tether anchor locations.



For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

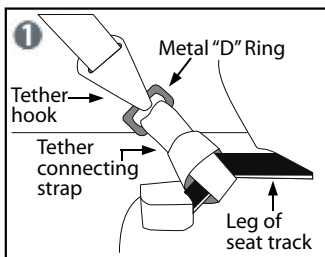
Rear-facing Top Tether Connector Strap

WARNING:

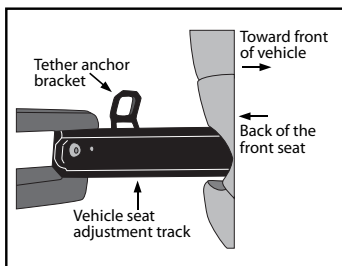
- Rear-facing top tether connector strap is **ONLY** to be used in rear-facing installations.

With some vehicle models, the top tether may not fit structural parts of vehicle seat or there may not be a suitable anchorage point for top tether hook. It may be necessary to use the tether connecting strap to create a tether anchorage point:

- 1 Locate the track of vehicle seat that is bolted directly to vehicle frame.
- 2 Wrap tether connecting strap around the track, and thread metal 'D' ring through the loop at the end of the tether connecting strap. Pull strap to form a knot. (See Figure 1)
- 3 Now, use metal 'D' ring as an anchorage point for top tether metal hook.



Note: Some vehicles have a tether anchor bracket attached to the vehicle seat frame which can be used instead of the tether connecting strap. If so, connect top tether metal hook directly to bracket. Check your vehicle manual or call the manufacturer.



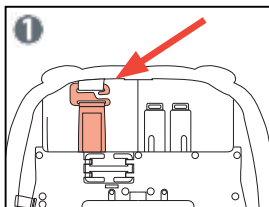
Safe Stop[®]

WARNING:

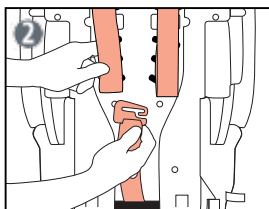
- Always use Safe Stop with forward-facing child under 40 lbs.
- Do **NOT** use with rear-facing child.
- Do **NOT** use Safe Stop with any other installation configuration.

Safe Stop is a load-limiting device designed to absorb energy and reduce impact to a smaller, forward-facing child. When not in use, attach Safe Stop to the fabric label located on the upper left back side of the car seat cover.

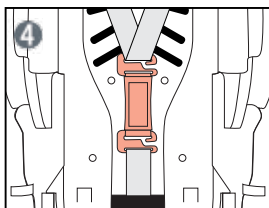
- 1 Remove Safe Stop from the storage label located on the upper left back side of the car seat.



- 2 Remove harness straps from metal hook of harness adjuster strap.



- 3 Thread both harness straps onto metal hook of Safe Stop. Connect left harness first then right.



- 4 Thread bottom of Safe Stop onto metal plate of harness adjuster.

Forward-facing Adjustable Bottom

WARNING:

- Adjustable bottom **MUST** be lowered for children 25 lbs. and over in a forward-facing installation.
- Do **NOT** adjust bottom for children under 25lbs.

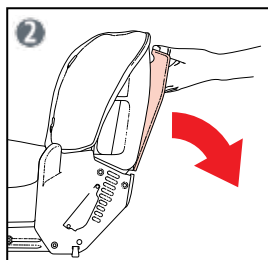
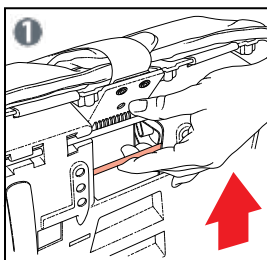
Important: Car seat must be locked in its unfolded position before operating adjustable bottom.



For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

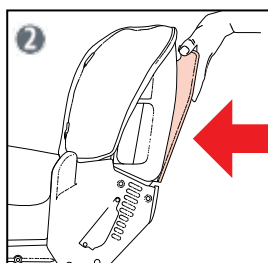
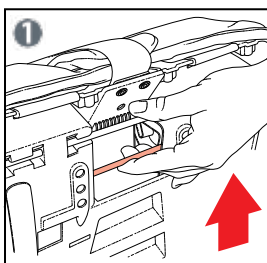
Lowering adjustable bottom

- Lift bottom bar up and over the inside channel towards the car seat bottom to release.
- Confirm adjustable bottom is locked in its lowered position.



Raising adjustable bottom

- Lift bottom bar up and over the inside channel (follow the "C" shape channel) away from the car seat bottom to securely close.
- Confirm adjustable bottom is locked in its closed position.



Forward-facing SuperLATCH™ Installation

WARNING:

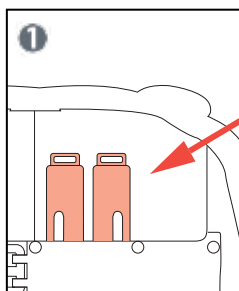
- Do **NOT** use detachable base when car seat is forward-facing.
- Do **NOT** place infant in a forward-facing car seat until they are at least 1 year old and 20 lbs.
- Diono and the American Academy of Pediatrics recommend keeping children rear-facing to the maximum rear-facing weight or height capacities of this car seat (45 lbs. or head is less than 1.5" from top of shell).
- **ALWAYS** use Safe Stop® for a forward-facing child who weighs below 40 lbs. Do **NOT** use Safe Stop® for children over 40 lbs (*See page 38*).
- Read vehicle manual regarding top tether anchors, air bags, seating positions and warnings.
- Adjustable bottom **MUST** be lowered for children 25 lbs. and over in a forward-facing installation. Do **NOT** lower bottom for children under 25 lbs.



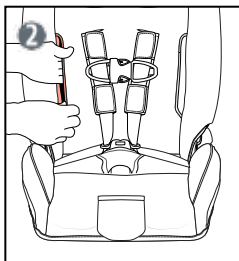
For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

Check vehicle manual for correct anchor location. Confirm vehicle seating location has its own LATCH anchors. If it does not, you must use vehicle seat belt installation (*See pages 43-46*).

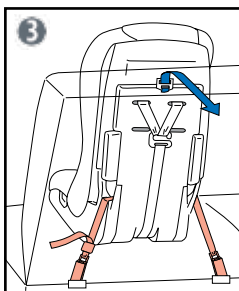
- 1 Locate SuperLATCH™ connectors secured in storage compartment on restraint back. Press red release button to remove each SuperLATCH™ connector and webbing. Slide the narrow SuperLATCH™ attachment strap out of plastic strap guides on side of the seat. Loosen strap to extend its length.



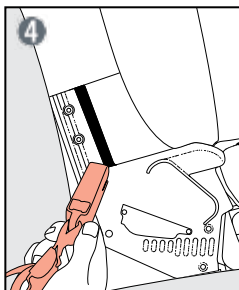
- 2 Unfasten fabric side panels and reach behind cover for easy access to belt path. Place car seat in forward-facing position with entire bottom flat on the vehicle seat and back of car seat flat against vehicle seat back. A gap is acceptable as long as the top of the car seat is firmly touching the vehicle head rest or seat back.



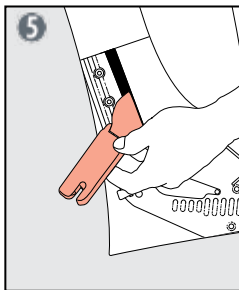
- 3 If available, route the Top Tether strap to the appropriate anchor and connect. Do not tighten until car seat is installed (See pages 47 for Top Tether installation instructions).



- 4 Slide the SuperLATCH™ through the opening above the forward-facing belt path label which is on the side middle portion of the car seat. Be sure the SuperLATCH™ strap is flat and not twisted. Adjustment strap should be on the child's left side of the car seat.

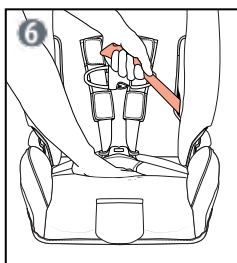


- 5 Connect both SuperLATCH™ connectors to the correct anchors in the vehicle seating position. The red button will “click” and pop up to confirm secure attachment to anchors. Red buttons should be facing upward for correct fit and easy access. To release, press the red button. Red button will stay down when not in use.



Forward-facing SuperLATCH™ Installation (cont.)

- 6 Push down on the car seat (where the child sits), while tightening the SuperLATCH™ strap. To check for a tight fit, grab the seat near the label that states “forward-facing belt path” with one hand and give it a moderate tug. It should move less than 1 inch side-to-side, back-to-front.



- 7 Remove slack from Top Tether strap if an appropriate anchor is available (*See page 47 for Top Tether installation*).

See final checklist on page 50

Forward-facing Lap-Shoulder Belt Installation

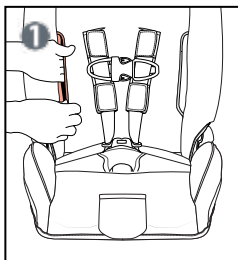
WARNING:

- Do **NOT** use detachable base when car seat is forward-facing.
- Do **NOT** place infant in a forward-facing car seat until they are at least 1 year old and 20 lbs.
- Diono and the American Academy of Pediatrics recommend keeping children rear-facing to the maximum rear-facing weight or height capacities of this car seat (45 lbs. or head is less than 1.5" from top of shell).
- **ALWAYS** use Safe Stop® for a forward-facing child who weighs below 40 lbs. Do **NOT** use Safe Stop® for children over 40 lbs (*See page 38*).
- Read vehicle manual to learn more about top tether anchors, air bags, seating positions, warnings, and how a vehicle seat belt locks.
- Adjustable bottom **MUST** be used for children 25 lbs. and over in a forward-facing installation. Do **NOT** adjust bottom for children under 25 lbs.

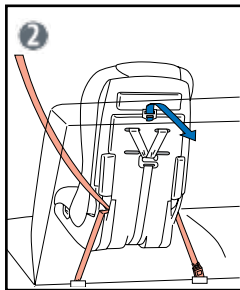


For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

- 1 Unfasten fabric side panels and reach behind cover for easy access to belt path. Place car seat in forward-facing position with entire bottom flat on the vehicle seat and back of car seat flat against vehicle seat back. A gap is acceptable as long as top of car seat is firmly touching the vehicle head rest or seat back.

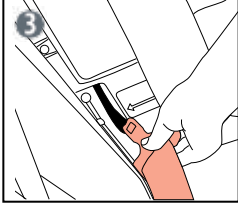


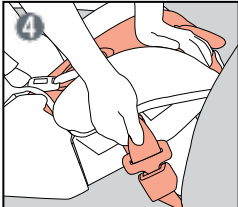
- 2 If available, route the Top Tether strap to the appropriate anchor and connect. Do not tighten until car seat is installed (*See pages 47 for Top Tether installation instructions*).



Forward-facing Lap-Shoulder Belt Installation (cont.)

- 3 Slide the seat belt through the forward-facing belt path behind the fabric and buckle it. Be sure belt is not twisted. Put seat belt in locking mode, if necessary.


- 4 Pull shoulder portion of seat belt to remove slack so the lap portion is tightening down on the car seat. It is best to do this close to the buckle.


- 5 To check for a tight fit, grab the seat near the label that states "forward-facing belt path" with one hand and give it a moderate tug. It should move less than 1 inch side-to-side, back-to-front.
- 6 Remove slack from Top Tether strap if an appropriate anchor is available (*See page 47 for Top Tether installation*).

See final checklist on page 50

Forward-facing Lap Belt Installation

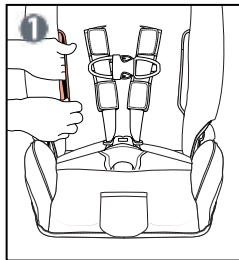
WARNING:

- Do **NOT** use detachable base when car seat is forward-facing.
- Do **NOT** place infant in a forward-facing car seat until they are at least 1 year old and 20 lbs.
- Diono and the American Academy of Pediatrics recommend keeping children rear-facing to the maximum rear-facing weight or height capacities of this car seat (45 lbs. or head is less than 1.5" from top of shell).
- **ALWAYS** use Safe Stop® for a forward-facing child who weighs below 40 lbs. Do **NOT** use Safe Stop® for children over 40 lbs (*See page 38*).
- Read vehicle manual to learn more about top tether anchors, air bags, seating positions, warnings, and how a vehicle seat belt locks.
- Adjustable bottom **MUST** be used for children 25 lbs. and over in a forward-facing installation. Do **NOT** adjust bottom for children under 25 lbs.

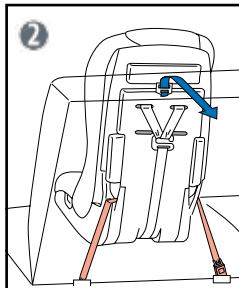


For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

- 1 Unfasten fabric side panels and reach behind cover for easy access to belt path. Place car seat in forward-facing position with entire bottom flat on the vehicle seat and back of car seat flat against vehicle seat back. A gap is acceptable as long as top of car seat is firmly touching the vehicle head rest or seat back.

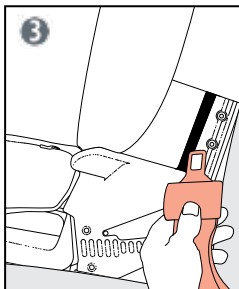


- 2 If available, route the Top Tether strap to the appropriate anchor and connect. Do not tighten until car seat is installed (*See pages 47 for Top Tether installation instructions*).

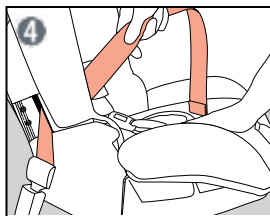


Forward-facing Lap Belt Installation (cont.)

- 3 Slide the seat belt through the forward-facing belt path behind the fabric and buckle it. Be sure belt is not twisted. Put seat belt in locking mode, if necessary.



- 4 Push down on the bottom of the car seat while pulling all the slack out of the belt. It is best to do this close to the buckle. Be sure belt is locked and the car seat does **NOT** move more than 1 inch side-to-side, front-to-back at the belt path.



- 5 To check for a tight fit, grab at label that states "forward-facing belt path" with one hand and give it a moderate tug. It should move less than 1 inch side-to-side, back-to-front.
- 6 Remove slack from Top Tether strap if an appropriate anchor is available (*See page 47 for Top Tether installation*).

See final checklist on page 50

Forward-facing Top Tether Installation

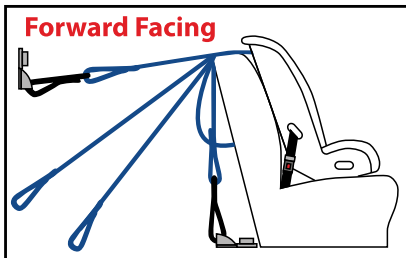
WARNING:

- In forward-facing installations, attach top tether to approved vehicle tether anchorage points **ONLY**, as labeled by vehicle manufacturer.
- If vehicle does not have tether anchorage points, consult vehicle owner's manual or contact vehicle manufacturer. Do **NOT** modify vehicle without approval from vehicle manufacturer or authorized vehicle dealer.



For a step-by-step installation, watch our video here:
www.youtube.com/DionoUSA

- 1 Before installing car seat, remove top tether from storage compartment and fully extend.
- 2 Tilt buckle and pull top tether adjuster strap to fully extend.
- 3 Loosely attach top tether to an approved anchorage point in the vehicle using the hook at end of top tether strap.
- 4 Install car seat as shown in appropriate installation section. Be sure installation is tight.
- 5 After installing car seat, pull top tether adjuster strap to remove all slack. Some movement at the top of the car seat is acceptable as long as the top tether strap remains tight.



Important: Diagram shows a variety of places you might find a top tether anchor. Consult vehicle manual to locate correct anchor.

Booster Mode Installation

WARNING:

- Unsecured objects can become flying hazards and can cause serious injury in an accident. While not required, it is recommended to secure the car seat using the SuperLATCH™ connectors and/or the top tether in vehicles equipped with LATCH anchors. If LATCH anchors are not available use the vehicle seat belt to secure the car seat when unoccupied.
- Do **NOT** use SuperLATCH™ if installation interferes with vehicle seat belt.
- Do **NOT** use as a booster with child under 50 lbs and under 40" tall and if child's shoulders are below the 4th harness position.
- Do **NOT** use as a booster unless harness straps and buckle are removed.
- Do **NOT** use as a booster with only a vehicle lap belt.
- Use as a booster **ONLY** with lap-shoulder seat belt.
- If lap and shoulder belt portions of seat belt and seat belt buckle are not all correctly positioned, car seat is **NOT** properly installed as a booster.



For a step-by-step installation, watch our video here: www.youtube.com/DionoUSA

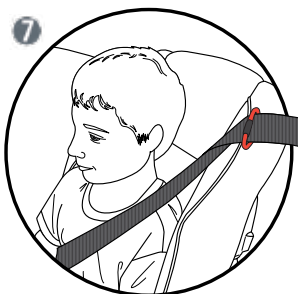
This car seat may also be configured for use as a belt positioning booster.

- 1 Remove harness (*See page 57, steps 1-5*), then remove crotch buckle (*See page 26, steps 1-4*).
- 2 Place car seat in forward-facing position with entire bottom flat on the vehicle seat and back of the car seat flat against the vehicle seat back. A gap is acceptable as long as the top of the car seat is firmly touching the vehicle head rest or seat back.
- 3 If available, secure car seat with SuperLATCH™ and/or top tether. This provides a secure installation and keeps the seat secure when not occupied.
- 4 Properly position the child in the car seat: sitting upright and all the way back in the car seat.
- 5 Adjust head rest to proper height.

- 6 Fasten Lap-Shoulder belt across child: lap portion of seat belt should rest within both lower belt guides and buckle located on the outside of the car seat.



- 7 Place shoulder belt portion so that belt lays properly across child's collarbone, interior to the shoulder. **(Optional:** you may need to use the upper belt guide on the headrest to properly position the shoulder belt).



Check periodically to ensure your child has not moved out of position and loosened the shoulder belt.

- 8 Make sure seat belt is not twisted and remove slack from seat belt so it lays flat, smooth and snug across the child in all locations.

Proper Buckle Position

Seat belt buckle should be correctly positioned on the outside of the lower belt guide. If seat belt buckle is pulled across lower belt guide and into the car seat, this is incorrect and another seating position within the vehicle should be chosen. **If child cannot stay in correct position, we recommend continuing use in harness mode only.**

Final Checklist

For correct installation

- ✓ **Be familiar with the parts of the car seat.**
(See pages 12-13)
- ✓ **LATCH Installations:** Be sure SuperLATCH™ connectors are securely attached to correct anchors and strap is pulled tight (See pages 31-32 for rear-facing and pages 40-41 for forward-facing).
- ✓ **Seat Belt Installation:** Be sure the seat belt is **LOCKED** and pulled tight (See pages 33-36 for rear-facing and pages 43-46 for forward-facing). If your vehicle was manufactured before 1996, you may need to use a locking clip to lock the seat belt (See page 19).
- ✓ **DO NOT USE** the seat belt and the SuperLATCH™ together for installation.
- ✓ **Rear-facing:** Grab at rear-facing belt path label, and give a tug. If seat moves more than 1 inch side-to-side, front-to-back, repeat steps for installation or choose another seating position. Do not grab at top of seat to check for a tight fit.
- ✓ **Forward-facing:** Grab at forward-facing belt path. If seat moves more than 1 inch side-to-side, front-to-back, repeat steps for installation or choose another seating position.
- ✓ **Using the Top Tether Strap** for rear-facing and forward-facing if appropriate place is available. This car seat meets crash test standards with and without Top Tether (See pages 37 and 47).
- ✓ **Always check** for a tight installation before each ride.

Check Your Work

There are certified Child Passenger Safety Technicians across the country available to help you. Go to www.safercar.gov to locate your nearest technician. Car crashes are the #1 cause of unintentional death and injuries to children. Please be sure your child's car seat is installed properly. Buckle up all other passengers correctly. **Stay safe!**

Important: If the car seat does not stay securely installed, it means that the car seat installation is **NOT** safe. You **MUST** re-install the car seat according to the car seat instructions and the vehicle owner's manual. In order to achieve proper installation you may need to choose an alternate installation method or seating location within the vehicle.

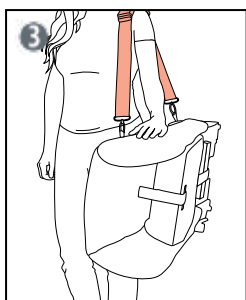
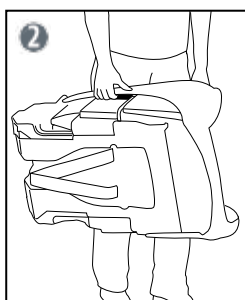
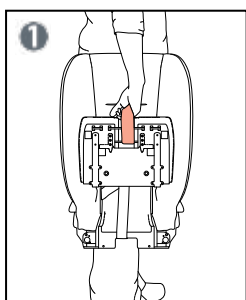
Carrying the Car Seat

WARNING:

- Do **NOT** carry the car seat by harness adjuster strap. This can damage the mechanism and the webbing.
- Only the shoulder carry straps made by Diono are approved for use with this car seat.

Periodically inspect release levers and locking bolts for cleanliness and proper functioning: When release levers are lifted, release levers and locking bolts should spring back immediately and completely.

There are four ways to carry the car seat:



1 Red carry strap

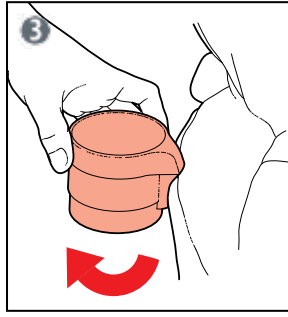
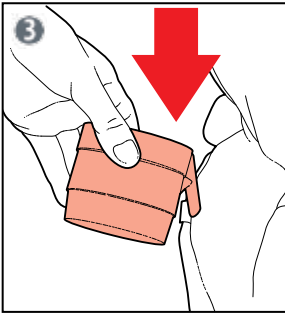
2 Plastic side

3 Shoulder strap* (connect shoulder strap to carry strap loop)

4 Backpack (connect shoulder straps* to lower webbing anchors on both sides and upper carry strap loop on back of car seat)

*Padded shoulder strap(s) available as a separate accessory, not included.

Cup Holder



- 1 Cup holders can be purchased as added accessories and attached to either side.
- 2 Each side has one cup holder slot.
- 3 Adjust side to its outward position, insert cup holder stem into receiving slot in top of arm rest and push down until it is securely engaged and twist to lock in place.

Tip: Before inserting the cup holder, lift the cover from the expandable side to help you locate the holes that the cup holder is inserted into.

Car Seat Cover

Tip: It is not necessary to remove buckle tongues or chest clip from harness straps when removing and replacing car seat cover. If possible, take pictures while you are removing the cover in order to replace the cover easily.

Removing car seat cover

- 1 Remove the harness buckle.
- 2 Remove harness shoulder straps from back of car seat, but leave them attached to the car seat.
- 3 Undo buttons securing cover to inside of car seat bottom.
- 4 Unhook clips (bottom, side, top) securing cover to front of car seat.
- 5 Carefully remove upper portion of cover from car seat taking care not to damage the white EPS foam panels, and then remove cover from bottom portion of the car seat.

Replacing car seat cover

- 1 Place cover on top of car seat.
- 2 Secure buttons to inside of car seat bottom.
- 3 Hook fasteners (bottom, side, top) securing cover to front of car seat.
- 4 Attach harness shoulder straps to back of car seat (*see pages 25-26*).
- 5 Insert harness buckle.

Cleaning and Maintenance

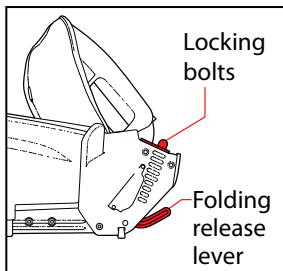
Cleaning and maintenance of release mechanism and locking bolts

Periodically inspect release levers and locking bolts for cleanliness and proper functioning: When release levers are lifted, release levers and locking bolts should spring back immediately and completely.

WARNING:

- Do **NOT** use car seat if release levers and locking bolts do not function properly. There may be excessive build-up of debris that cannot be removed or internal damage to the locking mechanisms that could prevent safe functioning.
- Do **NOT** oil or lubricate any part of the car seat.
- Do **NOT** use car seat if there is any appearance of rust on any metal surface.

Tip: Remove debris from release mechanism areas with soft bristled brush.



Removing dried liquids or food requires more thorough cleaning

- 1 Secure car seat in its folded position (see pages 7-9, folding/unfolding car seat).
- 2 Clean with damp cloth only. Wet cloth with warm water and wring thoroughly so it is **NOT** dripping water.
- 3 Towel dry.
- 4 Confirm areas are free of debris and release mechanisms function properly.

Important: ONLY use water to clean. Do **NOT** use solvents, bleach, soap, abrasive cleaners or any detergents.

Cleaning the plastic shell

- 1 Clean with damp cloth only. Wet cloth with warm water and mild soap. Wring cloth thoroughly so it is NOT dripping water.
- 2 Towel dry.
- 3 Confirm areas are free of debris and release mechanisms function properly.

Important: Do **NOT** use solvents, bleach, or abrasive cleaners.

Cleaning the cover

- 1 Remove the memory foam, do NOT machine wash.
- 2 Hand wash or machine wash cover only in front loading machine or top loader with no agitator.
- 3 Line or air dry.

Important: Do **NOT** bleach. Do **NOT** wash cover in hot water (*See page 54 for cover removal and replacement*).

Cleaning harness adjuster

Periodically inspect harness adjuster for cleanliness and proper functioning. When lifted, harness adjuster should spring back immediately.

Tip: Remove debris from release mechanism areas with soft bristled brush.

- 1 Clean with damp cloth only. Wet cloth with warm water and wring thoroughly so it is **NOT** dripping water.
- 2 Towel dry.
- 3 Confirm areas are free of debris and release mechanisms function properly.

Important: **ONLY** use water to clean. Do **NOT** use solvents, bleach, soap, abrasive cleaners or any detergents. Do **NOT** attempt to disassemble the harness or un-thread adjuster mechanism.

Cleaning and Maintenance (cont.)

Cleaning harness straps

- 1 Clean with damp cloth only. Wet cloth with warm water and mild soap. Wring cloth thoroughly so it is NOT dripping water.
- 2 Towel dry.

Important: Do **NOT** use solvents, bleach, or abrasive cleaners. Do **NOT** soak or submerge the harness webbing.

Cleaning harness buckle

If child eats or drinks in car seat, periodically clean harness buckle to ensure proper functioning.

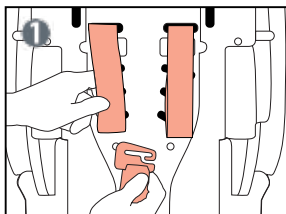
Tip: Remove debris from release mechanism areas with soft bristled brush.

- 1 Remove center buckle from car seat (*See pages 27-28*).
- 2 Carefully rinse **ONLY** the buckle mechanism in mildly hot water or soak overnight to loosen dried liquid or hardened food debris. Do **NOT** get the buckle strap wet.
- 3 Towel dry.
- 4 Confirm proper buckle functioning: repeatedly fasten and un-fasten buckle with both tongues. If no 'click' is heard confirming proper engagement after inserting each buckle tongue, repeat cleaning procedure.

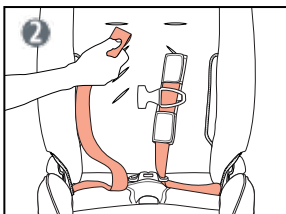
Important: **ONLY** use water to clean buckle. Do **NOT** use solvents, bleach, soap, abrasive cleaners or any detergents. Do **NOT** soak or submerge the buckle webbing.

Replacing Harness Straps

- 1 Secure metal tongues into the buckle. Remove harness straps from the metal hook on the back of the seat.

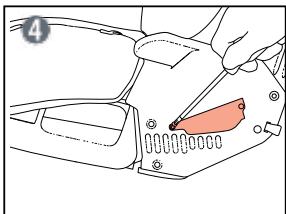


- 2 Pull the straps out from the back of the seat. Remove the harness pads and chest clip from each side.



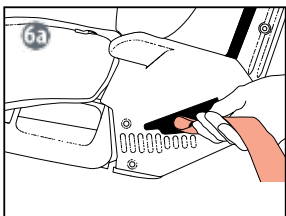
- 3 Slide the harness strap out of the metal tongues.

- 4 Using a Phillips head screwdriver, take out screws and remove access panels on both sides of car seat bottom. (Figure 4).



- 5 Remove old harness straps from seat.

- 6 Insert new harness strap through slot in metal frame (Figure 6a), pull strap until metal D-ring is inside the cavity (Figure 6b).

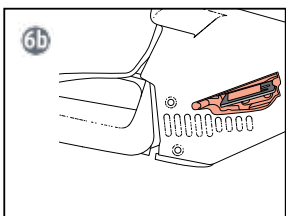


- 7 Re-fasten access panels in place with screws.

- 8 Slide shoulder harness straps through the metal tongues.

- 9 Attach chest clip and harness pads to each harness strap.

- 10 Slide the harness straps into the back of the car seat and attach to the metal hook.



Aircraft Installation

Important: This seat is certified by the Federal Aviation Administration (FAA) for use **ONLY** as a harnesses restraint. This restraint is **NOT** certified for use in an aircraft as a belt-positioning booster. Call airline to confirm the car seat will fit your specific aircraft. Diono's Angle Adjuster (sold separately) may be beneficial. Seat belt extender will be necessary for rear-facing installation.

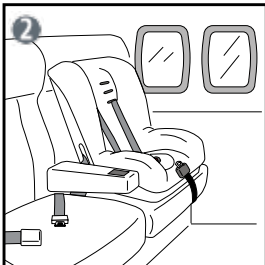


For a step-by-step airplane installation, watch our video here: www.youtube.com/DionoUSA



Rear-facing aircraft installation (Figure 1)

- Adjust seat belt buckle to its shortest length to ensure buckle is accessible for release.
- Ask flight attendant for 'seat belt extender,' and then use this extender to adjust seat belt length.
- Follow remaining installation instructions on page 35.



Forward-facing aircraft installation (Figure 2)

- Follow installation instructions on page 45. Do **NOT** use top tether for aircraft installation.

Warranty Information

Important: If you purchased your seat online, check with your retailer on their return policies and keep the original box and packaging and save purchase receipt for your records.

Diono, LLC. warrants its proprietary products to the original end-user retail purchaser as follows:

LIMITED ONE-YEAR WARRANTY This product is warranted against physical defects in materials or workmanship as a result of normal use for one year from the date of original retail purchase. Proof of purchase is required. The exclusive remedy for this warranty is that Diono will upon return of the product to Diono and determination of any such defect, at its sole option replace, repair or provide replacement components for this product. Diono reserves the right to discontinue or change fabrics, parts, models or products, or to make substitutions. To make a claim under this warranty, contact Diono Customer Care at 1-855-463-4666.

Visit **us.diono.com** for complete warranty information and details.

Revised 3/2016



radian® r120

convertible + booster

product: **radian® r120**
convertible + booster

model series: 16000
mfg. by: Diono US
14810 Puyallup Street E
Suite 200
Sumner, WA 98390

Customer Care
Tel: 1 855 463 4666
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