

Diono 50106

Diono Radian 3RXT SafePlus Convertible Car Seat Instruction Manual

Brand: Diono

Model: 50106

1. PRODUCT OVERVIEW

The Diono Radian 3RXT SafePlus is an all-in-one convertible car seat designed to provide comprehensive protection from birth to booster, accommodating children from 4 to 120 lbs. It incorporates SafePlus engineering, including a SafePlus anti-rebound panel and advanced SafePlus Side Impact Protection.

Key Features:

- **10 Years One Car Seat:** Designed to grow with your child from birth to booster (4 - 120 lb) across 4 modes.
- **SafePlus Rear-Facing Engineering:** Supports up to 50 lb with 3 modes of newborn protection, including a steel anti-rebound bar that reduces rebound rotation by up to 50%.
- **Slim Fit 3-Across Design:** Allows for fitting three car seats across in most midsize vehicles without compromising safety, space, or comfort.
- **Automotive Grade Steel Core:** Mechanically engineered from reinforced high-strength steel for superior protection.
- **Easy Adjust Headrest:** One-hand adjustable 12-position headrest, part of 6 layers of rigorously tested side impact protection.



Figure 1: Diono Radian 3RXT SafePlus Convertible Car Seat, showcasing its overall design and features.

2. SETUP AND INSTALLATION

Proper installation is crucial for your child's safety. Always refer to the full instruction manual for detailed steps and vehicle-specific requirements. The Radian 3RXT SafePlus supports multiple configurations as your child grows.

2.1 Car Seat Modes:



Newborn Rear-Facing (from 4 lb)

Utilize the SafePlus newborn travel high wedge and 2-in-1 infant positioning liner for a snug and secure fit for infants starting at 4 lbs.



Rear-Facing Longer (up to 50 lb)

Keep your child rear-facing for extended safety. The SafePlus steel anti-rebound bar enhances stability and reduces rebound rotation.



Forward-Facing with Harness (22-65 lb)

Transition to forward-facing when your child meets the weight and height requirements, utilizing the 5-point harness system.



High-Back Booster (40-120 lb)

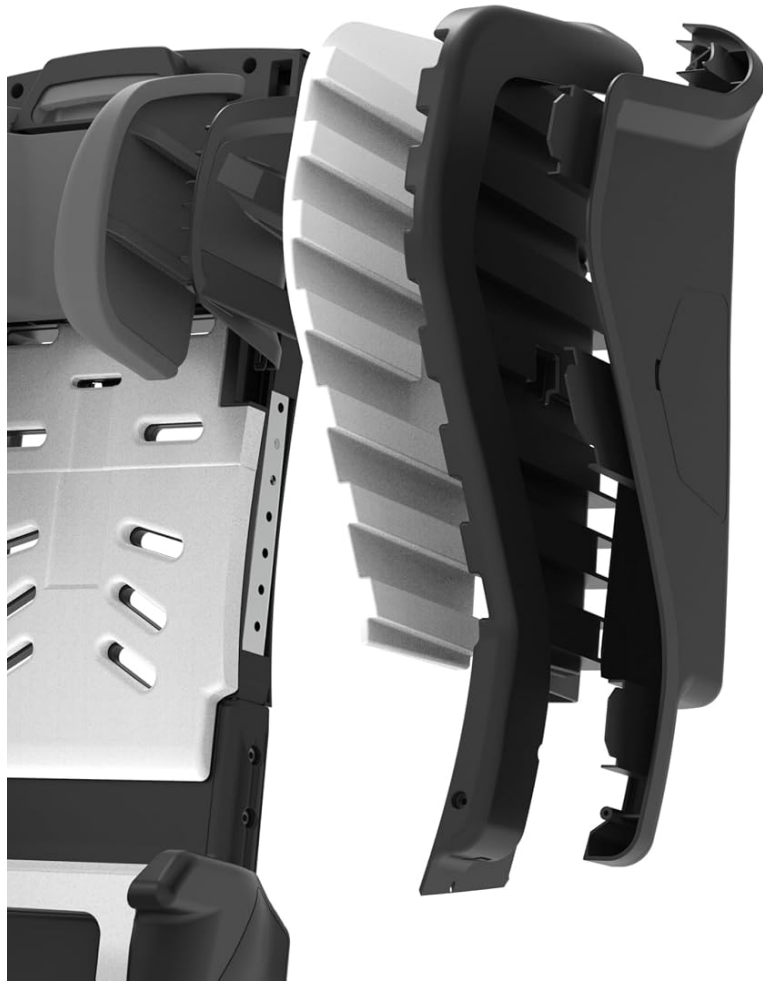
For older children, the car seat converts to a high-back booster, using the vehicle's seatbelt for restraint.

2.2 Installation Methods:

The Diono Radian 3RXT SafePlus can be installed using either the vehicle's LATCH system or the vehicle's seatbelt. Ensure a tight and secure fit, following the specific instructions in your full manual for each mode and installation type.

safe+[®]

side impact protection



6x



**Side Impact
Tested**

Figure 2: The slim design allows for 3-across seating in many vehicles.

3. OPERATING THE CAR SEAT

Familiarize yourself with the car seat's adjustable features to ensure optimal comfort and safety for your child.

3.1 Harness and Headrest Adjustments:

- **Harness Adjustment:** Ensure the harness straps are at or just below the child's shoulders for rear-facing, and at or just above the child's shoulders for forward-facing. The harness should be snug, with no slack.
- **Headrest Adjustment:** The 12-position easy-adjust headrest can be raised or lowered with one hand to properly position the head and provide optimal side impact protection as your child grows.



Figure 3: The 12-position easy adjust headrest for growing children.

3.2 Safety Features:

- **SafePlus Side Impact Protection:** Features 6 layers of enhanced side impact protection to absorb crash forces.
- **Steel Anti-Rebound Bar:** For rear-facing mode, this bar provides increased stability and reduces rebound rotation by up to 50%.

safe+[®] automotive grade steel core



**Rollover
Tested**



Figure 4: Visual representation of the multi-layered side impact protection.

safe+® easy adjust headrest



Figure 5: The steel anti-rebound bar enhances safety in rear-facing mode.

4. MAINTENANCE

Regular cleaning and maintenance will extend the life of your car seat and ensure continued hygiene for your child.

4.1 Cleaning Instructions:

- **Covers:** Machine wash cold and line dry. Refer to the full manual for specific instructions on cover removal and reattachment.
- **Shell and Components:** Spot clean with a mild soap and water solution. Do not use abrasive cleaners or solvents.
- **Harness Straps:** Wipe with a damp cloth. Do not machine wash or submerge harness straps in water, as this may weaken them.

5. TROUBLESHOOTING

If you encounter any issues with your Diono Radian 3RXT SafePlus car seat, please consult the detailed troubleshooting section in your complete instruction manual. Below are some common areas to check:

- **Loose Installation:** Ensure the car seat is installed tightly using either the LATCH system or vehicle seatbelt. There should be no more than 1 inch of movement at the belt path.
- **Harness Issues:** Check that the harness straps are not twisted and are properly routed through the correct slots for your child's height. Ensure the chest clip is at armpit level.
- **Buckle Difficulty:** Keep the buckle free of debris. If the buckle is sticky, clean it according to the manual's instructions.
- **Child Discomfort:** Verify that the headrest and harness are adjusted correctly for your child's size and that all infant inserts are used appropriately for their age and weight.

For complex issues or if you are unsure about any aspect of installation or use, contact Diono customer support or a certified Child Passenger Safety Technician.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	16 x 17 x 28.5 inches
Item Model Number	50106
Minimum Weight Recommendation	4 Pounds
Maximum Weight Recommendation	120 Pounds
Minimum Height Recommendation	18.1 Inches
Maximum Height Recommendation	57.1 Inches
Material Composition	100% Polyester
Care Instructions	Covers: Machine wash cold and line dry. Shell and Components: Spot clean
Style	Radian 3RXT SafePlus
Number of Reclining Positions	12
Batteries Required	No
Orientation	Convertible
Rear-Facing Minimum Child Weight	4 Pounds
Rear-Facing Maximum Child Weight	50 Pounds
Forward-Facing Minimum Child Weight	22 Pounds
Forward-Facing Maximum Child Weight	65 Pounds
Harness Type	5-Point
Item Weight	30.6 pounds
Country/Region of Origin	China

Feature	Detail
Installation Type	Latch
Color	Blue Surge

7. WARRANTY AND SUPPORT

Diono is committed to the safety and satisfaction of its customers. For detailed warranty information and support, please refer to the official Diono website or the warranty card included with your product.

7.1 Protection Plans:

- Optional 2-Year and 3-Year Protection Plans are available for purchase.
- A "Complete Protect" plan is also offered, covering eligible past and future purchases with monthly renewal.

7.2 Return Policy:

This product typically has a 90-day return policy for refund or replacement, subject to retailer terms and conditions.

7.3 Customer Support:

For further assistance, product registration, or to view additional resources, visit the official [Diono Store on Amazon](#) or contact Diono customer service directly.

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This manual is for informational purposes only. Always refer to the physical manual included with your product for complete and up-to-date safety and installation instructions.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question