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Diono Radian 3R

Diono Radian 3R Convertible Car Seat Instruction Manual

INTRODUCTION

The Diono Radian 3R is an all-in-one convertible car seat designed for children from 5 to 120 pounds, adapting from rear-facing to forward-facing with a harness, and finally to a high-back booster. Engineered with a steel-reinforced frame, it offers extended rear-facing capability up to 50 pounds. Its slim-fit design allows for three-across seating in most vehicles. The Radian 3R also features a SuperLATCH system for secure installation, a foldable design for portability, machine-washable covers, and is FAA approved for airline use.

WHAT'S IN THE BOX

- Radian® 3R Car Seat
- Detachable Rear-Facing Base
- Foam Harness Pads
- Lap Belt Cushion
- Safe Stop® Energy Absorbing Harness
- Rear-Facing Top Tether
- Instruction Manual

PRODUCT FEATURES

- **10 Years, One Car Seat:** Designed to grow with your child from 5 to 120 lbs, offering 4 modes in 1 seat.
- **Extended Rear-Facing:** Safely accommodates children rear-facing up to 50 lbs.
- **Slim-Fit Design:** Allows for three-across installation in most vehicles without compromising safety or comfort.
- **Steel Reinforced Frame:** Mechanically engineered with automotive-grade high-strength steel for enhanced protection.
- **ComfortPlus Memory Foam:** Included for superior comfort.
- **Portable & Travel-Friendly:** Features an original fold for easy transport and storage, and is FAA

approved for airline use.

- **Easy Maintenance:** Removable, machine-washable covers for convenient cleaning.

SETUP AND INSTALLATION

Proper installation is crucial for child safety. Always refer to the detailed instructions in the included manual and your vehicle's owner's manual.

Installation Modes



Image: The Diono Radian 3R car seat demonstrating its four usage modes: newborn rear-facing (from 2.3 kg), extended rear-facing (up to 22.7 kg), forward-facing with harness (10-29 kg), and high-back booster (18-54 kg).



Image: Three Diono Radian 3R car seats installed side-by-side in a vehicle's back seat, showcasing the slim-fit design that allows for three-across seating.

Bracing for Rear-Facing Installation

When installing the Radian 3R in a rear-facing position, bracing refers to the car seat touching the vehicle seat in front of it. Diono allows bracing, but it is essential to check your vehicle's manual (typically in the

airbag section) to ensure it does not prohibit any contact or pressure on the vehicle seat, which could interfere with airbag sensors. If your vehicle manual does not prohibit it, bracing is acceptable. Ensure there is enough space to fit a pencil between the car seat and the vehicle seat to account for the child's weight.

Video: Diono's CPST and safety advocate explains the concept of bracing for rear-facing car seat installation, emphasizing checking the vehicle manual for specific guidelines regarding contact with the front seat.

LATCH System Installation

The SuperLATCH system (UAS Compatible) simplifies installation. For rear-facing, extend the LATCH/UAS strap, place the car seat in the back seat, slide the strap through the rear-facing belt path, and attach the connectors to the vehicle's LATCH anchors. Tighten the strap by pressing down firmly in the center of the car seat while pulling the strap. For forward-facing, you can use the LATCH system and the top tether. Ensure the car seat is installed securely with no more than 1 inch of movement side-to-side or front-to-back at the belt path.



Image: Detailed dimensional diagram of the Diono Radian 3R car seat, showing key measurements for installation and fit, including internal and external widths, harness heights, and folded dimensions.

OPERATING INSTRUCTIONS

Harness Adjustment

The 5-point harness system is adjustable to accommodate your child's growth. Ensure the harness straps are at or below the child's shoulders for rear-facing and at or above the child's shoulders for forward-facing. The buckle is designed for easy use, and the included foam harness pads prevent rubbing against the child's neck.

Booster Mode

Once your child meets the weight and height requirements for booster mode, the internal harness can be stored, and the vehicle's lap and shoulder belt can be used with the car seat. The car seat's design ensures proper belt positioning for older children.

MAINTENANCE

- **Covers:** Machine wash cold and line dry.
- **Shell and Components:** Spot clean with mild soap and water.
- Regularly inspect the car seat for any signs of wear or damage to the straps, buckles, or frame.

TROUBLESHOOTING

If you encounter any issues with installation or usage, first consult the detailed instruction manual provided with your car seat. Ensure all straps are correctly routed and tightened, and that the car seat does not move more than 1 inch at the belt path. For specific concerns, refer to the manufacturer's support resources.

SPECIFICATIONS

Product Dimensions	16.1 x 16.9 x 28.4 inches
Item Model Number	50625
Minimum Weight Recommendation	5 Pounds
Maximum Weight Recommendation	120 Pounds
Minimum Height Recommendation	18.1 Inches
Maximum Height Recommendation	57 Inches
Material Type	Alloy Steel, Plastic, Polypropylene, Polystyrene
Material Composition	90% Polyester, 10% Spandex
Additional Product Features	Fits 3 Across
Number of Reclining Positions	1
Orientation	Convertible Seat
Rear-Facing Minimum Child Weight	5 Pounds
Rear-Facing Maximum Child Weight	50 Pounds
Forward-Facing Minimum Child Weight	22 Pounds

Forward-Facing Maximum Child Weight	120 Pounds
Harness Type	5-Point
Item Weight	23.4 pounds
Installation Type	Latch
Color	Gray Slate

WARRANTY AND SUPPORT

For warranty information, product registration, or customer support, please visit the official Diono website or contact their customer service department. Keep your purchase receipt and product serial number handy for any inquiries.