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Sanooer SA-PWC5503-SDB

Sanooer Towing Mirrors SA-PWC5503-SDB Instruction Manual

For 2003-2007 Chevy Silverado and GMC Sierra Models

1. Product Overview

These Sanooer towing mirrors are designed to enhance visibility and safety for your vehicle, especially when towing. They feature a range of advanced functions including power-adjustable upper glass, dual mirror design, LED turn signals, white running lights, dynamic turn signals, backup lights, and a heated defogging function. The mirrors are manually telescoping and folding, and come with painted white covers.



Image 1.1: Sanooer Towing Mirrors with switchback turn signals and painted white covers.

2. Compatibility

These towing mirrors are compatible with the following vehicle models:

- 2003-2004 Chevy Silverado / GMC Sierra 2500
- 2003-2006 Chevy Silverado / GMC Sierra 1500, 2500 HD, 3500
- 2007 Chevy Silverado / GMC Sierra Classic Models
- 2003-2006 Chevy Tahoe, Suburban, Avalanche
- 2003-2006 GMC Yukon or Yukon XL
- 2003-2006 Cadillac Escalade (all models)

MODEL COMPARISON TABLE

Model / Year	2003	2004	2005	2006	2007 (Classic)
Chevy Silverado 1500	√	√	√	√	√
Chevy Silverado 1500 HD	√		√	√	√
Chevy Silverado 2500	√	√			
Chevy Silverado 2500 HD	√	√	√	√	√
Chevy Silverado 3500	√	√	√	√	√
Chevy Suburban 1500 / 2500	√	√	√	√	
Chevy Avalanche 1500 / 2500	√	√	√	√	
Chevy Tahoe	√	√	√	√	
GMC Sierra 1500	√	√	√	√	√
GMC Sierra 1500 HD	√		√	√	√
GMC Sierra 2500	√	√			
GMC Sierra 2500 HD	√	√	√	√	√
GMC Sierra 3500	√	√	√	√	√
GMC Yukon	√	√	√	√	
GMC Yukon XL 1500 / 2500	√	√	√	√	
Cadillac Escalade / ESV / EXT	√	√	√	√	

Image 2.1: Detailed compatibility table for various Chevy, GMC, and Cadillac models.

To confirm suitability for your specific vehicle, refer to the model comparison table above or consult your vehicle's specifications.

3. Features

The Sanooer towing mirrors are equipped with several features designed for improved functionality and safety:

- **Adjustable Power Upper Glass:** The large, flat upper mirror can be adjusted electrically for optimal rear visibility.
- **Dual Glass Design:** Includes both a flat main mirror and a convex lower mirror. The convex mirror provides a wider field of view to minimize blind spots.
- **LED Turn Signal Light:** Integrated LED turn signals on the mirror housing alert other drivers and pedestrians to your intentions.
- **White Running Light:** Features a steady white running light for enhanced vehicle visibility.
- **Dynamic Turn Signal Light:** Provides a sequential or dynamic amber turn signal for clear indication.
- **Backup Light:** Integrated backup lights offer additional illumination when reversing, improving safety and visibility in low-light conditions.
- **Heated Function:** The mirrors are heated to defrost and defog, ensuring clear visibility in cold or humid weather.
- **Manual Telescoping:** The mirror extends manually to provide a wider view when towing.
- **Manual Folding:** The mirror can be manually folded against the vehicle body for parking in tight spaces or for protection.
- **Painted White Covers:** The mirror covers are painted white (8624) for a specific aesthetic.

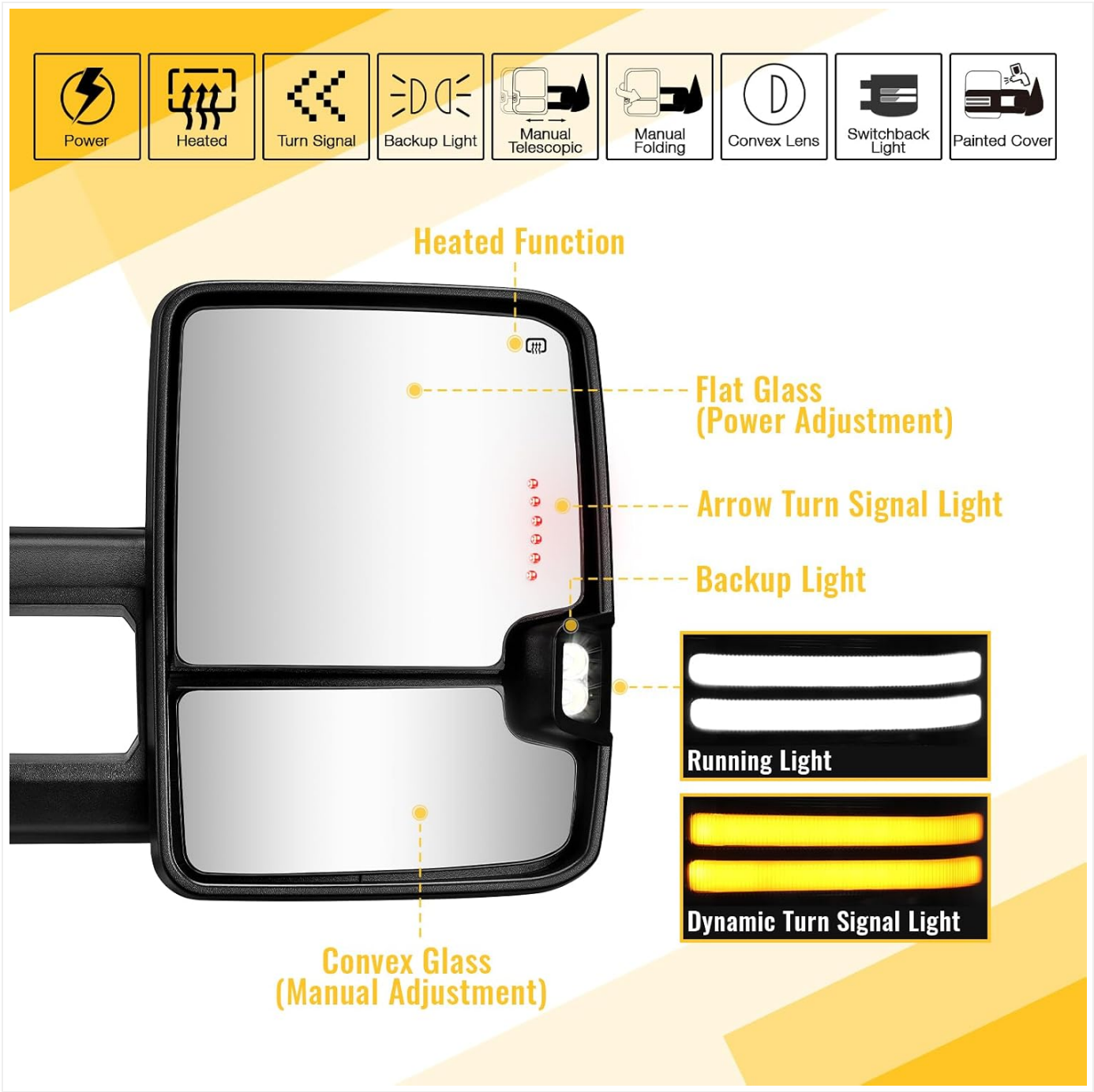


Image 3.1: Overview of mirror features including flat glass, convex glass, turn signal, backup light, running light, and dynamic turn signal.



Image 3.2: Illustration of the sequential turn signal and steady white running light.



Image 3.3: Close-up view of the LED turn signal and backup light functions.



Image 3.4: Explanation of the plane (power adjustable) and convex (manual adjustable) mirror sections.



Image 3.5: Visual representation of the heated mirror function clearing moisture.

4. Setup and Installation

Installation of these towing mirrors typically involves replacing the existing side mirrors. The package includes both left and right towing mirrors.

4.1 General Installation Steps:

1. **Preparation:** Ensure your vehicle is turned off and the battery is disconnected before beginning installation. Gather necessary tools.
2. **Remove Old Mirrors:** Carefully remove the existing side mirrors. This usually involves removing door panels to access mounting bolts and electrical connectors.
3. **Mount New Mirrors:** Position the new Sanooer towing mirrors and secure them using the appropriate mounting hardware.
4. **Electrical Connection:** Connect the electrical harnesses. The mirrors feature multiple functions (power glass, heat, turn signal, running light, backup light) which may require specific wiring connections.
    - The main harness connects for power glass and heat.
    - Additional wires (e.g., white wire for backup lights, blue wire for white parking/running lights) may need to be routed and connected to the appropriate vehicle circuits (e.g., trailer backup fuse, trailer park fuse).
5. **Test Functions:** Reconnect the battery and test all mirror functions (power adjustment, heating, turn signals, running lights, backup lights) before reassembling the door panels.
6. **Adjust and Secure:** Ensure mirrors are securely mounted and properly aligned.

Important: Due to the complexity of electrical wiring for advanced features, professional installation is recommended if you are not familiar with automotive electrical systems. Refer to vehicle-specific guides or consult a qualified technician for detailed wiring instructions.



Image 4.1: Sanooer towing mirror installed on a compatible truck.

5. Operating Instructions

5.1 Mirror Adjustment:

- **Upper Flat Glass:** Use your vehicle's standard mirror adjustment controls to electrically position the upper flat mirror for your desired rear view.
- **Lower Convex Glass:** The lower convex mirror is manually adjustable. Gently push the mirror surface to achieve the optimal wide-angle view for blind spot reduction.

5.2 Telescoping and Folding:

- **Manual Telescoping:** To extend the mirror for towing, grasp the mirror housing and pull it outwards from the vehicle body until it locks into the extended position. To retract, push it back inwards.
- **Manual Folding:** To fold the mirror, gently push the mirror assembly towards the vehicle body until it rests in the folded position. Pull it outwards to return to the driving position.



Image 5.1: Demonstration of manual telescoping and folding capabilities.

5.3 Lighting Functions:

- **Turn Signals:** Activate automatically with your vehicle's turn signals.
- **Running Lights:** Activate when your vehicle's parking lights or headlights are on, depending on wiring.
- **Backup Lights:** Activate when the vehicle is shifted into reverse, depending on wiring.

5.4 Heated Function:

- The heated function typically activates with your vehicle's rear defroster or a dedicated mirror heat button, if available and wired correctly. This helps clear frost, ice, and fog from the mirror surface.

6. Maintenance

- **Cleaning:** Clean mirror glass and housing with a soft cloth and automotive glass cleaner or mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish or electrical components.

- **Inspection:** Periodically inspect the mirrors for any signs of damage, loose connections, or wear. Ensure all lights are functioning correctly.
- **Lubrication:** For manual telescoping and folding mechanisms, occasional lubrication with a silicone-based spray can help maintain smooth operation.

7. Troubleshooting

- **Mirror Not Adjusting Electrically:**
  - Check the vehicle's fuse box for a blown fuse related to mirror power.
  - Verify electrical connections to the mirror are secure and properly seated.
  - Ensure the vehicle's mirror adjustment switch is functioning correctly.
- **Lights Not Functioning (Turn Signal, Running, Backup):**
  - Confirm all additional wiring for these functions is correctly connected to the vehicle's electrical system (e.g., fuses, relays, signal wires).
  - Check for loose or corroded wire connections.
  - Ensure the vehicle's corresponding lights (turn signals, parking lights, reverse lights) are working.
- **Heated Function Not Working:**
  - Verify the heated mirror circuit fuse is intact.
  - Ensure the heated mirror function is activated via the vehicle's controls (e.g., rear defroster).
  - Check wiring connections for the heating element.
- **Mirror Wobble/Vibration:**
  - Ensure the mirror is securely mounted to the vehicle door. Check mounting bolts for tightness.
  - Some minor vibration can occur with larger towing mirrors; however, excessive wobble may indicate an issue with mounting or internal components.

If you encounter persistent issues, it is recommended to consult a professional automotive technician.

8. Specifications

Feature	Detail
Brand	Sanooer
Model Number	SA-PWC5503-SDB
Color	White
Auto Part Position	Front
Mounting Type	Door Mount
Included Components	Left and Right Towing Mirrors
Special Features	Foldable, Heated
Fit Type	Vehicle Specific Fit
Lens Curvature	Flat (Upper), Convex (Lower)

Item Weight	20.4 pounds (pair)
Package Dimensions	21 x 14.9 x 14.7 inches



Image 8.1: Dimensional drawing of the Sanooer towing mirrors.

9. Warranty and Support

Sanooer is committed to providing quality auto parts and professional after-sales support. For any questions regarding installation, operation, or troubleshooting that cannot be resolved using this manual, please contact Sanooer customer service.

Specific warranty details are not provided in this manual. Please refer to your purchase documentation or contact Sanooer directly for information regarding warranty coverage.

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