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› Sanoer Power Folding Towing Mirrors for Chevy Silverado GMC Sierra (2014-2019) - Instruction Manual

Sanoer SN-5514-SDBP

Sanoer Power Folding Towing Mirrors Instruction Manual

Model: SN-5514-SDBP

PRODUCT OVERVIEW

The Sanoer Power Folding Towing Mirrors are designed to enhance visibility and functionality for compatible Chevrolet and GMC trucks. These mirrors feature power-adjustable upper glass, dual glass (flat and convex), arrow LED turn signals, white running lights, dynamic turn signals, backup lights, heating, and a temperature sensor. They also include manual telescoping and power folding capabilities, all housed in painted black covers.

This manual provides essential information for the proper installation, operation, and maintenance of your new towing mirrors.

COMPATIBILITY

These towing mirrors are compatible with the following vehicle models and years:

- 2014-2018 Chevy Silverado 1500
- 2014-2018 GMC Sierra 1500
- 2015-2019 Chevy Silverado 2500HD
- 2015-2019 GMC Sierra 2500HD
- 2015-2019 Chevy Silverado 3500HD
- 2015-2019 GMC Sierra 3500HD
- 2019 Chevy Silverado 1500 Legacy
- 2019 GMC Sierra 1500 Limited



COMPATIBLE

For 2014-2018 Chevy Silverado 1500/GMC Sierra 1500

For 2015-2019 Chevy Silverado 2500 HD/GMC Sierra 2500 HD

For 2015-2019 Chevy Silverado 3500 HD/GMC Sierra 3500 HD

For 2019 Chevy Silverado 1500 Legacy/GMC Sierra 1500 Limited

Image: This image displays the specific Chevrolet Silverado and GMC Sierra models and years that are compatible with these towing mirrors. Please verify your vehicle's make, model, and year against this list to ensure proper fitment.

Model Comparison Table

Model / Year	2014	2015	2016	2017	2018	2019
Chevy Silverado 1500	✓	✓	✓	✓	✓	
Chevy Silverado 1500 Legacy						✓
Chevy Silverado 2500 HD		✓	✓	✓	✓	✓
Chevy Silverado 3500 HD		✓	✓	✓	✓	✓
GMC Sierra 1500	✓	✓	✓	✓	✓	
GMC Sierra 1500 Limited						✓
GMC Sierra 2500 HD		✓	✓	✓	✓	✓
GMC Sierra 3500 HD		✓	✓	✓	✓	✓

KEY FEATURES

The Sanoer Power Folding Towing Mirrors are equipped with multiple features for enhanced driving safety and convenience:

- **Power Adjustable Upper Glass:** Allows for precise adjustment of the main mirror surface via in-cabin controls.
- **Dual Glass Design:** Features both a flat main mirror for accurate distance perception and a convex lower mirror for a wider field of view, minimizing blind spots.
- **Arrow LED Turn Signal Light:** Integrated LED lights provide clear signaling to other drivers.
- **White Running Light:** Provides continuous white illumination for increased vehicle visibility.
- **Dynamic Turn Signal Light:** Features a sequential amber light pattern for enhanced signaling.
- **Backup Light:** Integrated lights illuminate the area behind the vehicle when reversing.
- **Heated Function:** Electrically heated mirror glass helps to clear frost, ice, and fog for improved visibility in adverse weather conditions.
- **Temperature Sensor:** (*Only on the right side mirror*) Provides external temperature readings.
- **Manual Telescoping:** Allows the mirror housing to be manually extended outwards for a wider view when towing.
- **Power Folding:** Mirrors can be electrically folded inward for parking in narrow spaces or protection.
- **Painted Black Covers:** Durable and aesthetically integrated black finish.



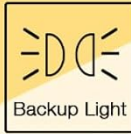
Power



Heated



Turn Signal



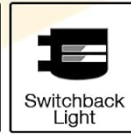
Backup Light



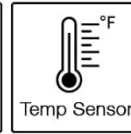
Manual Telescopic



Power Folding



Switchback Light



Temp Sensor



Painted Cover

Heated Function



Power Fold

Flat Glass (Power Adjustment)

Arrow Turn Signal Light

Backup Light



Running Light



Dynamic Turn Signal Light

Convex Glass (Manual Adjustment)

Temp Sensor (Only on the Right Side)

Image: This diagram highlights the key features of the towing mirror, including the heated function, power-adjustable flat glass, manually adjustable convex glass, arrow turn signal, backup light, running light, dynamic turn signal, and the temperature sensor located on the right side mirror.



Image: An overall view of the Sanooer power folding towing mirrors, showcasing the integrated running lights and dynamic turn signals. The image also visually represents the power folding capability.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- Left Towing Mirror Assembly
- Right Towing Mirror Assembly
- Wiring Harnesses (pre-attached or separate, as required)
- Mounting Hardware (nuts)

ACCESSORY



Image: This image displays the main towing mirror unit along with the essential accessories provided in the package, including the necessary wiring and mounting nuts for installation.

INSTALLATION GUIDE

Professional installation is highly recommended for this product. Incorrect installation can lead to damage to the mirrors, vehicle, or personal injury. If you choose to perform the installation yourself, proceed with caution and ensure you have the necessary tools and technical knowledge.

Required Tools (Not Included):

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Trim Removal Tools
- Wire Strippers/Crimpers (if custom wiring is needed)
- Drill (if converting from non-towing mirrors, a third stud hole may be required)

Installation Steps (General):

1. **Safety First:** Ensure the vehicle is turned off, the parking brake is engaged, and the battery's negative terminal is

disconnected to prevent electrical shorts.

2. **Remove Door Panel:** Carefully remove the interior door panel to access the existing mirror mounting bolts and wiring harness. Use trim removal tools to avoid damaging clips.
3. **Disconnect Old Mirror:** Disconnect the electrical connector from the old mirror and unbolt it from the door frame. Remove the old mirror.
4. **Prepare New Mirror:** If necessary, transfer any components from the old mirror to the new one, or prepare the new mirror's wiring harness.
5. **Mount New Mirror:** Position the new Sanooer towing mirror onto the door frame, aligning the mounting studs with the holes. Secure it with the provided nuts. *Note: If upgrading from non-towing mirrors, you may need to drill an additional hole for the third mounting stud.*
6. **Connect Wiring:** Connect the new mirror's electrical harness to the vehicle's wiring. Ensure all connections are secure and correctly matched.
7. **Test Functions:** Before reassembling the door panel, reconnect the battery and test all mirror functions: power adjustment, power folding, heating, turn signals, running lights, and backup lights.
8. **Reassemble Door Panel:** Once all functions are verified, carefully reattach the interior door panel, ensuring all clips and screws are properly secured.
9. **Final Check:** Perform a final visual inspection to ensure the mirrors are securely mounted and all lights are functioning correctly.

Important: Some users have reported that backup lights may operate off the cargo switch. Verify your vehicle's specific wiring and switch functions during testing.

OPERATING INSTRUCTIONS

Familiarize yourself with the various functions of your Sanooer Power Folding Towing Mirrors:

Power Folding

To fold the mirrors, use the designated power folding switch inside your vehicle. This feature is useful for navigating narrow spaces, parking, or protecting the mirrors when not in use.

POWER FOLDING

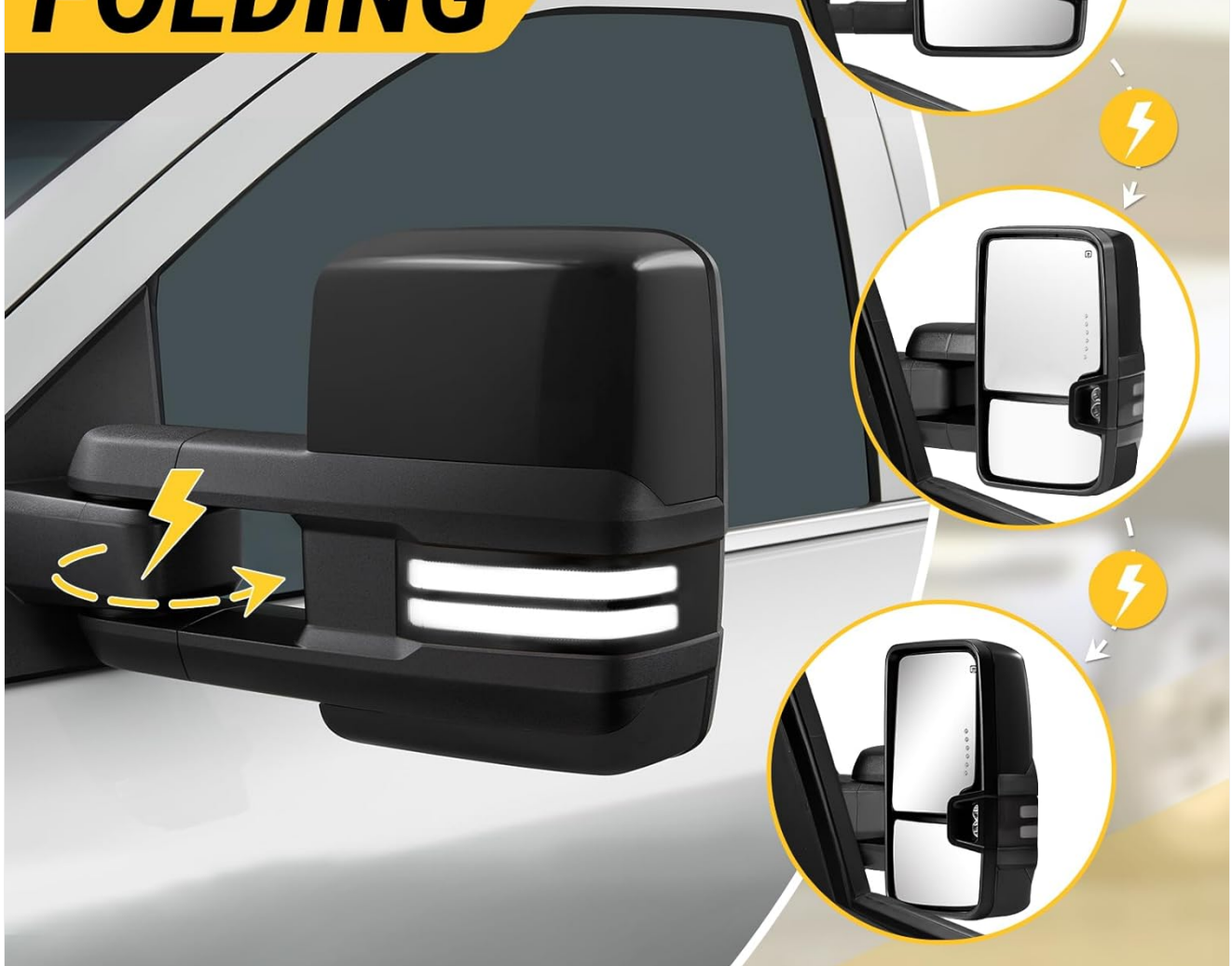


Image: This image demonstrates the power folding capability of the mirrors, showing the mirror retracting towards the vehicle body. This function is activated by an in-cabin switch.

Power Adjustable Glass

The upper flat glass can be adjusted electronically using your vehicle's standard mirror adjustment controls. This allows you to set the optimal viewing angle for regular driving.

Manual Telescoping

For an extended field of view, especially when towing wide loads, manually pull the mirror housing outwards to extend it. Push it back in when not needed. This feature significantly reduces blind spots.



Image: This image visually explains both the manual telescoping function, where the mirror extends outwards, and the power folding function, where the mirror folds inward, enhancing versatility for various driving and parking situations.

WIDE FIELD OF VIEW

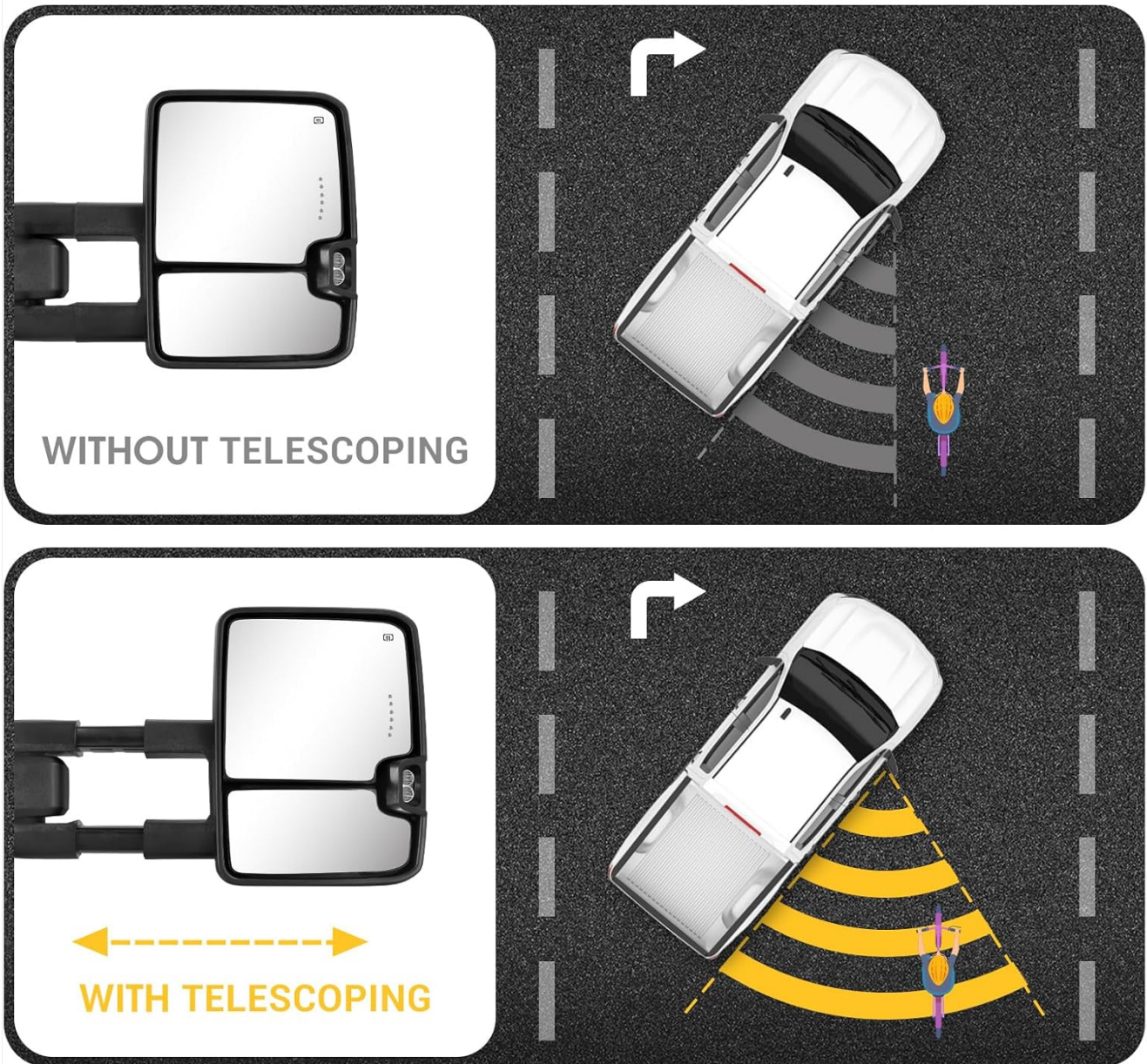


Image: This visual comparison demonstrates the benefit of the manual telescoping feature. The top panel shows a limited view without telescoping, while the bottom panel illustrates a significantly wider field of view with the mirrors extended, effectively reducing blind spots for safer driving, especially when towing.

Heated Function

Activate the heated mirror function via your vehicle's defroster controls. This will clear moisture, frost, or ice from the mirror surface, maintaining clear visibility in cold or humid conditions.

POWER HEATED

Remove moisture to keep the mirror clear



Image: This image illustrates the effectiveness of the heated mirror function. One side of the mirror is clear, indicating active heating, while the other side is covered in moisture, representing a non-heated mirror. This highlights how the heated function removes moisture to maintain clear visibility in various weather conditions.

Switchback Lights (Running & Turn Signal)

The integrated lights function as white running lights during normal operation and switch to dynamic amber turn signals when the turn signal is activated. This provides clear indication to other road users.

Backup Light

The backup lights automatically activate when the vehicle is shifted into reverse, providing additional illumination for safer backing maneuvers.



Image: This image provides detailed views of the mirror's lighting functions: the steady white running light, the sequential amber turn signal, and the bright white backup light, demonstrating their appearance when active.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your towing mirrors:

- **Cleaning:** Clean the mirror glass and housing regularly with a mild automotive cleaner and a soft cloth. Avoid abrasive cleaners that could scratch the surface.
- **Inspection:** Periodically inspect the mirrors for any signs of damage, loose connections, or wear. Check that all lights are functioning correctly.
- **Electrical Connections:** Ensure all electrical connections remain secure and free from corrosion.
- **Moving Parts:** For power folding and manual telescoping mechanisms, ensure they operate smoothly. Avoid forcing them if resistance is encountered.

TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions:

Problem	Possible Cause	Solution
Mirror shakes at speed	Loose mounting bolts; inherent vibration in large mirrors.	Ensure all mounting bolts are tightened securely. Some vibration is normal for larger towing mirrors, especially at highway speeds. If excessive, re-check installation or consult a professional.
Power folding not working	Electrical connection issue; faulty switch; motor malfunction.	Check wiring connections. Verify the power folding switch is operational. If one side folds slower than the other, this may indicate a minor motor difference, but ensure it completes the fold.
Lights (turn signal, running, backup) not working	Loose or incorrect wiring; blown fuse; faulty LED.	Inspect all wiring connections for proper seating and correct polarity. Check vehicle's fuse box for any blown fuses related to exterior lighting. If only one light is out, the LED may be faulty.
Heated function not working	Electrical connection issue; faulty heating element; vehicle's defroster system issue.	Ensure the mirror's heating element is properly connected. Verify the vehicle's defroster system is functioning.
Temperature sensor not displaying	Sensor not connected; vehicle's display issue.	Confirm the temperature sensor wiring is correctly connected (only on the right mirror). Check your vehicle's dashboard display settings.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Sanoer customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	Sanoer
Model Number	SN-5514-SDBP
Auto Part Position	Front
Color	Black
Mounting Type	Door Mount
Included Components	Towing Mirrors (Left & Right), Wiring, Mounting Hardware
Special Features	Backup Lamp, Power Foldable, Heated, Power Glass, Turn Signal Light (Switchback), Running Light, Temperature Sensor
Fit Type	Vehicle Specific Fit
Size	Large
Shape	Rectangular
Item Weight	21 pounds (total for set)
Package Dimensions	24.7 x 14.8 x 13.7 inches

WARRANTY AND SUPPORT

Sanoer products are designed for quality and durability. For information regarding product warranty, please refer to the documentation included with your purchase or visit the official Sanoer website. If you require technical assistance, have

questions about installation, or need to report a defect, please contact Sanoer customer support through their official channels. Provide your product model number (SN-5514-SDBP) and purchase details for efficient service.