

AMP Research 86255-01A PowerStep Smart Series

AMP Research PowerStep Smart Series Instruction Manual

Model: 86255-01A | Fits 2022-2026 Chevrolet Silverado/GMC Sierra 1500/2500/3500HD

1. INTRODUCTION

The AMP Research PowerStep Smart Series is an innovative electric-powered running board system designed to enhance vehicle accessibility and convenience. These retractable steps automatically extend when the vehicle door is opened and retract out of sight when the door is closed, maintaining the vehicle's clean aesthetic and ground clearance. The Smart Series introduces in-app control, allowing users to override step deployment and manage integrated or auxiliary LED lighting.

This manual provides essential information for the proper installation, operation, and maintenance of your PowerStep Smart Series running boards. Please read all instructions carefully before proceeding with installation or use.



Image 1: The AMP Research PowerStep Smart Series running board in its deployed position.

2. KEY FEATURES

- **Automatic Deployment:** Steps extend automatically when doors open and retract when doors close.
- **Smart Series App Control:** Utilize a dedicated mobile application (iOS and Android compatible) to extend/retract steps independently and control auxiliary LED lighting.
- **Integrated LED Lighting:** Low-profile LED lights illuminate the step and ground for enhanced visibility during entry and exit.
- **Durable Construction:** Crafted from corrosion-resistant aluminum with stainless steel components for reliable performance in all weather conditions.
- **High Weight Capacity:** Engineered to support up to 600 pounds.
- **Enhanced Ground Clearance:** Steps remain hidden when retracted, preserving the vehicle's ground clearance and aerodynamic profile.
- **Anti-Pinch Technology:** Safety feature that cuts power to the motors if resistance is detected during retraction.

3. WHAT'S INCLUDED

Verify that all components are present before beginning installation:

- PowerStep Smart Series Running Boards (Left and Right)
- Vehicle Specific Installation Instructions
- All Necessary Hardware (Brackets, Motors, Wiring Harness, LED Lights, Control Module, Magnetic Door Triggers)

4. SPECIFICATIONS

Attribute	Detail
Brand	AMP Research
Model	PowerStep Smart Series (86255-01A)
Fitment	2022-2026 Chevrolet Silverado & GMC Sierra 1500; 2024-2026 Chevrolet Silverado & GMC Sierra 2500/3500
Material	Aluminum
Exterior Finish	Aluminum, Black
Item Dimensions (L x W x H)	81 x 13 x 8 inches
Item Weight	56 Pounds
Weight Capacity	Up to 600 Pounds
LED Lights	Integrated, Low Profile

5. SETUP AND INSTALLATION

Installation of the PowerStep Smart Series requires mechanical aptitude and basic tools. Refer to the detailed vehicle-specific instructions included in your package for precise steps, torque specifications, and wiring diagrams. The general process involves mounting the motor assemblies, routing the wiring harness, connecting to the vehicle's power, and installing the running boards.

Important: Ensure the vehicle is parked on a level surface, the engine is off, and the parking brake is engaged. Disconnect the vehicle's battery before starting any electrical work.

5.1. General Installation Overview

- 1. Prepare Vehicle:** Park on a level surface, engage parking brake, turn off engine, and disconnect the battery.
- 2. Mount Motor Assemblies:** Attach the motor assemblies to the vehicle's frame using the provided brackets and hardware. Ensure proper alignment and secure fastening.
- 3. Route Wiring Harness:** Carefully route the main wiring harness along the vehicle's frame, avoiding hot or moving components. Connect the motor leads and LED light wires.
- 4. Connect to Power:** Connect the main power leads to the vehicle's battery terminals. Install any inline fuses as

specified in the instructions.

5. **Install Door Triggers:** Mount the magnetic door triggers and corresponding magnets to the vehicle's door jambs and doors, respectively. Proper alignment is crucial for correct operation.
6. **Install Running Boards:** Attach the PowerStep running boards to the motor assemblies. Adjust for desired positioning and tighten all fasteners.
7. **Reconnect Battery & Test:** Reconnect the battery and test the operation of the PowerSteps by opening and closing each door. Verify LED lights function correctly.

5.2. Installation Video Reference

For a visual guide on the installation process, refer to the official installation video:

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Video 1: RealTruck AMP Research PowerStep Fast Facts. This video provides an overview of the PowerStep features and installation process.

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Video 2: AMP Research Smart Series Features & Benefits. This video highlights the specific functionalities of the Smart Series.

6. OPERATING INSTRUCTIONS

6.1. Automatic Operation

The PowerStep Smart Series is designed for seamless automatic operation:

- **Extend:** Open any vehicle door to automatically extend the running boards. The integrated LED lights will illuminate.
- **Retract:** Close all vehicle doors to automatically retract the running boards after a short delay. The LED lights will turn off.



Image 2: The PowerStep extends to provide a convenient step for vehicle entry.

6.2. Smart Series App Control

The PowerStep Smart Series app provides enhanced control over your running boards:

1. **Download App:** Download the official AMP Research Smart Series app from your device's app store (iOS and Android compatible).
2. **Pair Device:** Follow the in-app instructions to pair your mobile device with the PowerStep control module via Bluetooth.
3. **Override Steps:** Use the app to manually extend or retract the steps, overriding the automatic door-activated function. This is useful for cleaning or accessing the roof.
4. **LED Light Control:** The app allows you to power on/off the integrated LED lights or any auxiliary LED light system connected to the low-profile auxiliary port.



Image 3: Integrated LED lights illuminate the step and ground for safety.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PowerStep Smart Series running boards:

- **Cleaning:** Periodically clean the running boards and linkage arms with mild soap and water. Avoid abrasive cleaners or harsh chemicals.
- **Lubrication:** Apply a silicone-based lubricant to the pivot points of the linkage arms every 3-6 months, or more frequently in harsh environments, to ensure smooth operation.
- **Inspect Wiring:** Regularly check the wiring harness for any signs of wear, fraying, or damage. Ensure all connections are secure.
- **Check Fasteners:** Periodically inspect all mounting hardware and fasteners for tightness. Re-tighten as necessary.

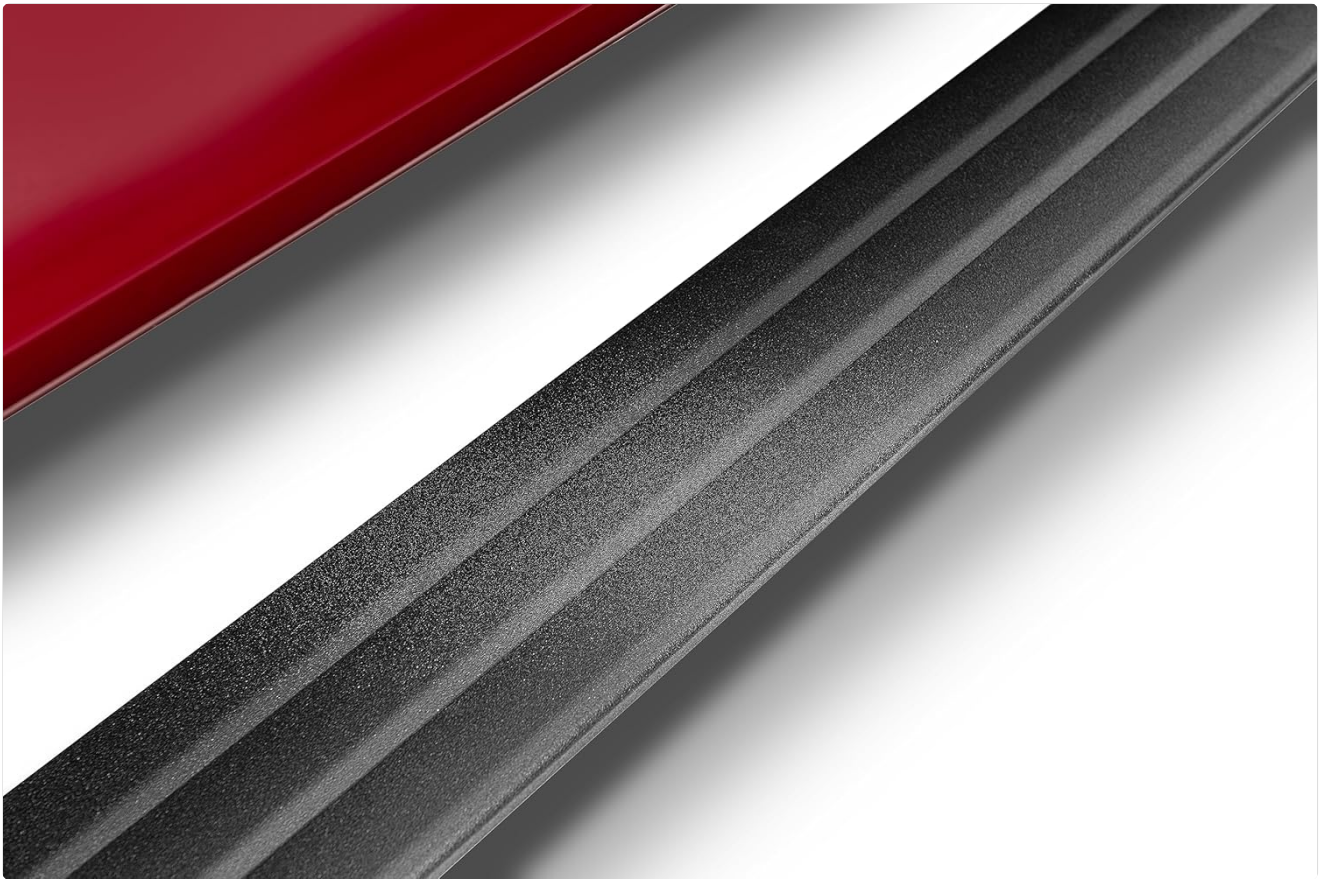


Image 4: The textured step surface provides secure footing.

8. TROUBLESHOOTING

If you experience issues with your PowerStep Smart Series, try the following solutions:

- **Steps Not Deploying/Retracting:**

- Check all door connections and magnetic triggers for proper alignment and function.
- Verify all wiring harness connections are secure and free from damage.
- Inspect fuses in the wiring harness and vehicle's fuse box.
- Ensure the vehicle battery is fully charged and properly connected.

- **Steps Binding or Slow:**

- Clean the linkage arms and step surface to remove dirt or debris.
- Lubricate all pivot points with a silicone-based lubricant.
- Check for any obstructions preventing smooth movement.

- **LED Lights Not Working:**

- Check wiring connections to the LED lights.
- Verify the lights are enabled via the Smart Series app.

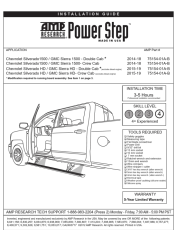


Image 5: Inspect the linkage mechanism for smooth operation and proper lubrication.

9. WARRANTY AND SUPPORT





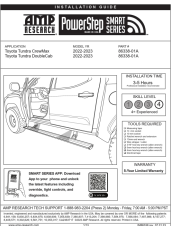
AMP Research stands behind its products with a hassle-free, comprehensive **5-year/60,000 mile warranty**. For warranty claims, technical support, or additional assistance, please refer to the contact information provided in your product packaging or visit the official AMP Research website.

Related Documents - 86255-01A PowerStep Smart Series



[AMP Research PowerStep Installation Guide for Chevrolet Silverado/GMC Sierra](#)

Comprehensive installation guide for AMP Research PowerStep automatic running boards on Chevrolet Silverado and GMC Sierra models (2014-2019). Includes parts list, tools required, step-by-step instructions, operation, maintenance, and warranty information.

	<p>AMP Research PowerStep Installation Guide for Sprinter Van</p> <p>Comprehensive installation guide for AMP Research PowerStep running boards on Sprinter Van (2-sided) models from 2007-2018. Includes parts list, tools required, and step-by-step instructions.</p>
	<p>AMP Research PowerStep Installation Guide for Ford F150 (2004-2008)</p> <p>Detailed installation guide for AMP Research PowerStep electronic running boards for Ford F150 SuperCab and SuperCrew models from 2004-2008. Includes parts list, tools required, step-by-step instructions, operation, maintenance, and warranty information.</p>
	<p>AMP Research PowerStep XL Installation Guide for Ford Bronco 4 Door</p> <p>Comprehensive installation guide for AMP Research PowerStep XL electric running boards on the Ford Bronco 4 Door (2021-2022). Includes parts list, tools required, step-by-step instructions, wiring diagrams, and warranty information.</p>
	<p>AMP Research PowerStep XL Installation Guide for Ram 25-3500 Mega Cab (2013-2017)</p> <p>Comprehensive installation guide for the AMP Research PowerStep XL running boards on a Ram 25-3500 Mega Cab (2013-2017). Includes parts list, tools required, step-by-step instructions, and warranty information.</p>
	<p>AMP Research PowerStep Smart Series Installation Guide for Toyota Tundra (2022-2023)</p> <p>Detailed installation guide for the AMP Research PowerStep Smart Series running boards on Toyota Tundra CrewMax and DoubleCab models (2022-2023). Includes parts list, tools required, step-by-step instructions, and warranty information.</p>