

lippert auto leveling system manual

Lippert Auto Leveling System Manual

The Lippert Auto Leveling System has revolutionized the way RV enthusiasts set up their vehicles at campsites. This advanced technology simplifies the leveling process, allowing users to focus on enjoying their outdoor experience rather than worrying about the mechanics of leveling their RV. This article serves as a comprehensive guide to the Lippert Auto Leveling System, featuring a detailed manual that covers its features, operation, troubleshooting, and maintenance.

Overview of the Lippert Auto Leveling System

The Lippert Auto Leveling System is a hydraulic or electric leveling system designed for recreational vehicles, trailers, and motorhomes. Its primary function is to automatically level the RV on uneven ground, using a series of sensors and hydraulic jacks.

Key Features

- Automatic Leveling: The system automatically detects the RV's position and adjusts the jacks accordingly.
- User-Friendly Interface: The control panel is designed for ease of use, often featuring a touchscreen or simple button layout.
- Manual Override: In case of power failure or system malfunction, users can manually control the jacks.
- Diagnostics: Built-in diagnostic features help identify issues, making troubleshooting easier.

Components of the System

Understanding the components of the Lippert Auto Leveling System is essential for effective use and maintenance.

Main Components

1. Control Panel: The interface that allows users to operate the leveling system.
2. Leveling Jacks: Hydraulic or electric jacks that lift and stabilize the RV.
3. Sensors: These detect the level of the RV and communicate with the control panel.
4. Pump Assembly: In hydraulic systems, this pumps fluid to the jacks. Electric systems rely on motors.
5. Wiring Harness: Connects all electronic components, providing power and communication.

Operating the Lippert Auto Leveling System

To operate the Lippert Auto Leveling System, follow these steps:

Initial Setup

1. Preparation: Ensure the RV is parked on a flat surface.
2. Power On: Turn on the main power supply to the RV.
3. Access the Control Panel: Locate the control panel, which is typically near the entrance or in the living area.

Automatic Leveling Procedure

1. Select Auto Level: Press the "Auto Level" button on the control panel.
2. Wait for Calibration: The system will automatically calibrate, using its sensors to assess the current position.
3. Jacks Deploy: The system will deploy the jacks sequentially, raising or lowering the RV as needed.
4. Completion Notification: Once leveling is complete, the system will notify you, usually with a beep or visual confirmation.

Manual Leveling Procedure

In cases where the automatic function fails or you prefer manual control:

1. Select Manual Mode: Access the control panel and switch to manual mode.
2. Select Jacks: Choose which jacks to extend or retract.
3. Adjust as Necessary: Manually adjust each jack until the RV is level.
4. Check Level: Use a level to ensure proper alignment.

Troubleshooting Common Issues

While the Lippert Auto Leveling System is designed for reliability, issues may occasionally arise. Here are some common problems and their solutions:

System Won't Level

- Check Power Supply: Ensure the RV's power supply is functioning properly.
- Inspect Connections: Look for loose or damaged wiring connections.
- Sensor Issues: The sensors may need recalibration or replacement.

Jack Won't Extend or Retract

- Hydraulic Fluid Levels: For hydraulic systems, check the fluid levels and top off if necessary.
- Electrical Issues: Inspect the fuses and wiring for damage.
- Physical Obstructions: Ensure there are no obstructions blocking the jacks.

Control Panel Malfunctions

- Power Reset: Sometimes, a simple reset can resolve control panel issues. Turn the power off and then back on.
- Firmware Update: Check for firmware updates from Lippert that may resolve bugs.

Maintenance of the Lippert Auto Leveling System

Regular maintenance is crucial to ensure the longevity and efficiency of the Lippert Auto Leveling System. Here are some recommended maintenance practices:

Regular Inspections

- Visual Checks: Inspect the leveling jacks and control panel for any visible damage or wear.
- Connection Checks: Ensure all electrical connections are secure and free of corrosion.

Fluid Maintenance (for Hydraulic Systems)

1. Fluid Levels: Regularly check the hydraulic fluid levels and top off as needed.
2. Leak Inspection: Look for any signs of hydraulic fluid leaks around the jacks and pump assembly.

Cleaning and Care

- Keep Components Clean: Clean the jacks and control panel regularly to prevent dirt and debris buildup.
- Protect from Elements: Store the RV in a covered area or use protective covers to shield the system from harsh weather.

Conclusion

The Lippert Auto Leveling System is an invaluable tool for RV owners, simplifying the leveling process and enhancing the camping experience. By understanding its operation, troubleshooting common

issues, and adhering to regular maintenance practices, users can ensure their leveling system remains in top condition. For specific issues or advanced troubleshooting, always refer to the official Lippert Auto Leveling System manual or contact customer support for assistance. Embracing this technology not only saves time but also adds to the enjoyment of the great outdoors, allowing you to focus on what truly matters—making memories.

Frequently Asked Questions

What is the purpose of the Lippert auto leveling system?

The Lippert auto leveling system is designed to automatically level and stabilize RVs and trailers, enhancing safety and comfort while parked.

How do I reset the Lippert auto leveling system?

To reset the Lippert auto leveling system, press and hold the 'Auto Level' button for approximately 5 seconds until the system beeps, indicating a reset.

Where can I find the manual for the Lippert auto leveling system?

The manual for the Lippert auto leveling system can be found on the Lippert Components website under the support or product manuals section.

What maintenance is required for the Lippert auto leveling system?

Regular maintenance includes checking hydraulic fluid levels, inspecting electrical connections, and ensuring all components are free of debris and functioning properly.

What should I do if my Lippert auto leveling system is not leveling?

If the system is not leveling, check the power supply, ensure the jacks are not blocked, and consult the manual for troubleshooting steps.

Can I manually override the Lippert auto leveling system?

Yes, the Lippert auto leveling system can be manually overridden by using the manual control features, as described in the user manual.

How long does it take for the Lippert auto leveling system to level my RV?

The Lippert auto leveling system typically takes about 1-3 minutes to fully level an RV, depending on

the terrain and setup.

What indicators show the status of the Lippert auto leveling system?

The status indicators include LED lights on the control panel that display the leveling progress, errors, and system readiness.

Is the Lippert auto leveling system compatible with all RV models?

The Lippert auto leveling system is compatible with many RV models, but it's important to check the specifications to ensure compatibility with your specific RV.

What safety features are included in the Lippert auto leveling system?

Safety features include automatic shut-off when the system detects an obstruction, alarms for low power, and leveling lock indicators to prevent movement while leveling.

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