

BULLSEYE LEVELING

Electro-Mechanical Leveling System Owners Manual



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*Thank you for purchasing a
Bullseye Leveling System.*

*This manual will guide you through the
steps for easy operation of your system.*

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The configuration of coach chassis and vehicular components varies between manufacturers. This owners manual is a generalized approach to operating our product. Please note your components may vary in location from coach to coach.

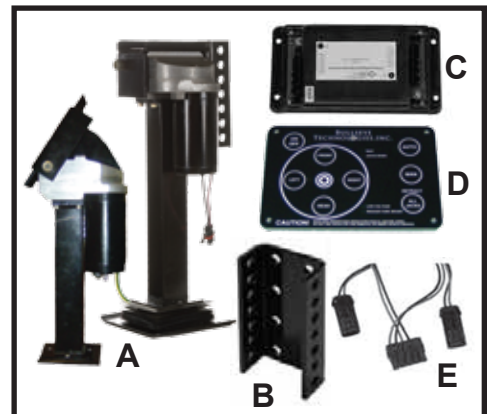
If you need to speak with someone in person about your operation procedure, please contact the nearest authorized installation dealer, visit our website, www.bullseyeleveling.com or call our customer service line at 877-753-0102.

Components Of Your System

Your Bullseye Leveling system is made of the following components:

- A: (4) Four Leveling Legs (Straight or folding)
- B: (4) Four Mounting Brackets (Straight leg only)
- C: (1) One Controller Module
- D: (1) One Control/Touchpad Panel
- E: (1) Wire Harness Package

If you have any additional questions after reading this manual, please call your dealer, visit www.bullseyeleveling.com for FAQ's or call the Bullseye customer service line at 877-753-0102.



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Please review all procedures, read and understand the precautions listed in this manual

Please read the entire operation guide before beginning to use your system. It is best to visually run through the process in its entirety before you begin.

NOTE

ENGINE MUST BE RUNNING FOR PROPER OPERATION OF YOUR LEVELING SYSTEM

WARNING

DO NOT USE THE LEVELING LEGS TO LIFT THE WHEELS OF THE COACH OFF OF THE GROUND.

THIS CAN CREATE AN UNSTABLE SITUATION AND COULD CAUSE SERIOUS INJURY OR DEATH.

CAUTION

INSPECT SITE FOR DEBRIS OR OBSTACLE PRIOR TO LEVELING.

System Overview

The Bullseye Leveling system is designed to automatically level your recreational vehicle. Your system consists of the following components:

- Controller - located under the coach, usually in a storage compartment
- Touchpad - used for operation of the system
- (4) Leveling Legs - operated by electric motors

For proper operation of your system, it is important to remember a few key points.

- Engine must be running
- Coach must be in park (Neutral for diesel coaches)
- Parking brake must be set

Your system is designed to give you years of trouble-free operation. The automatic leveling feature will deploy your leveling legs until they touch the ground and then begin a series of adjustments to level and stabilize you coach. While the leveling system is in operation, please keep movement in the coach to a minimum. The shifting of weight will cause the control unit to recalibrate and extend the amount of time until your coach reaches level.

The automatic leveling cycle will complete its operation in under two minutes in normal conditions.

Site Selection

Before leveling your coach it is important to survey the site where your coach is parked. Extreme slope conditions may not allow the coach to completely level as one or more of the legs may reach full extension before the cycle completes.

You should also inspect the area under the coach prior to leveling to ensure that no debris or obstacles will obstruct the deployment of your leveling legs. It is also important to make sure the ground is not too soft to support the weight of your coach.

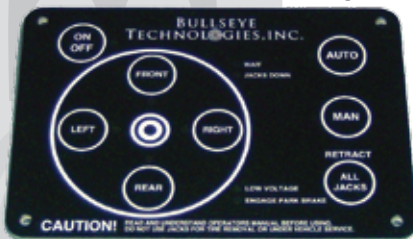
Leveling Your Coach

The touch pad of your leveling system uses a series of lights to help identify the status of the system. The wait light will illuminate when the system is in operation and the jacks down light is an indication that the legs are extended. If the low voltage light is on, then the system is reading below 11 volts of power, usually indicating that the engine is not running. The park brake light is an indicator noting that the park brake is engaged.

The Front, Rear, Left and Right lights will show which area of the coach is lowest and the Retract All Jacks button will illuminate during the leg retraction process. A light in the On/Off button indicates that the system is on.

After completing the site inspection, follow the steps listed below to automatically level your coach.

1. The engine is running.
2. The coach is in park, or neutral for diesels, and the parking brake is set.
3. Press the ON/OFF button, LED light will indicate system is on.
4. Push the AUTO button. The system will deploy all four leveling legs until they reach the ground. Once the ground is detected, the system will level the coach through a series of adjustments. When completed the center LED light will illuminate to indicate the leveling process is complete.



**WARNING**

DO NOT USE THE LEVELING LEGS TO LIFT THE WHEELS OF THE COACH OFF OF THE GROUND.

THIS CAN CREATE AN UNSTABLE SITUATION AND COULD CAUSE SERIOUS INJURY OR DEATH.

**NOTE**

ENGINE MUST BE RUNNING FOR PROPER OPERATION OF YOUR LEVELING SYSTEM

**NOTE**

FOR ADDITIONAL SUPPORT OR TROUBLESHOOTING QUESTIONS, PLEASE CALL THE TECHNICAL SUPPORT LINE AT 1-574-721-0228

Manual Leveling

While the Bullseye Leveling system is designed to automatically level your recreational vehicle there may be instances where manual leveling or stabilization is preferred.

To manually level you coach, follow these instructions:

1. The engine is running.
2. The coach is in park, or neutral for diesels, and the parking brake is set.
3. Press the ON/OFF button, led will indicate system is on.
4. Press the MAN button. The legs will automatically deploy until they sense contact the ground.
5. Adjust the coach by pressing either the FRONT, BACK, LEFT or RIGHT buttons on the touch pad. The LED light that is lit by one of those buttons indicates the location of the coach most out of level.
6. Continue to adjust the coach until the desired position is reached. Remember that the leveling legs operate in pairs, so that when the RIGHT button is pushed, the front and rear right legs will move, when the BACK button is pushed, both back legs will lift, and so forth.
7. The center button on the touch pad will illuminate green when the coach reaches a level position.

Retracting Leveling Legs

To retract your leveling legs, follow these steps:

1. The engine is running.
2. The coach is in park, or neutral for diesels, and the parking brake is set.
3. Press the ON/OFF button, led will indicate system is on.
4. Press the RETRACT button. The legs will retract until completely up.
5. Jacks Down light will go out.

It is suggested to visually check to ensure full retraction before moving the vehicle.

Basic Troubleshooting

ERROR MODE: The Bullseye Leveling system has several built in safety features. One of those is the system going into error mode when electrical irregularities occur such as low voltage from the engine not running during operation. If the system goes into error mode all operations will cease, there will be an audible beeping from the touch pad and all the LED's will be flashing.

To exit error mode you must press and hold down the ON/OFF button until the alarm stops. The remaining flashing lights will indicate which leg caused the error.

DRIVE AWAY ALARM: If the systems detects that the park brake has been disengaged while at least one of the jacks is not fully retracted, the alarm will sound and lights will flash. There are two options at this point; Reengage parking brake or attempt to retract the jacks by hitting the ALL RETRACT button.

EMERGENCY RETRACTION: In rare situations it may be necessary to manually retract the jacks. If this situation arises, use of a 1/2" wrench or drill on the hex nut located on the bottom of the jack. Turn the nut in a counter-clockwise direction until the jack is retracted. Repeat the procedure on the other jacks until all have been safely returned to the retracted position.

**WARNING**

DO NOT USE THE LEVELING SYSTEM AS A LIFT FOR CHANGING TIRES OR WORKING UNDER THE VEHICLE.

**WARNING**

WHEN EXTENDING THE LEGS, NEVER LIFT THE WHEELS BEYOND GROUND CONTACT. THIS OVERRIDES THE PARKING BRAKE AND THE VEHICLE COULD POSSIBLY ROLL FORWARD UNEXPECTEDLY, COMING OFF THE LEGS. THIS COULD CAUSE SERIOUS INJURY OR EVEN DEATH.

**CAUTION**

DO NOT USE THE LEVELERS AS AN EMERGENCY BRAKE.

DO NOT USE LEVELERS ON ICY OR SLICK SURFACES.

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Calibrating Your System

If you need to recalibrate the level point of your coach follow the instructions that follow.

1. Make sure the park brake is on
2. Make sure the coach is running, supplying proper current
3. Turn on the power on/off switch.
4. Visually confirm that all leveling legs are retracted. If they are down, push the "Retract All" button on the touch pad
5. Push the "Manual" button, all legs should start to lower.
6. Once all jacks are touching the ground, use the "Front", "Left", "Right", and "Rear" buttons to adjust the coach to the desired level position for regular use (it is recommended to level the coach at the center of the coach or on a counter top using a 2' to 4' bubble level).
7. Once you find the preferred level position, turn off the power and within 20 seconds push "Front" button 5 times, then press "Rear" button 5 times (there should be a flash of all lights at this point), then push the "Retract All" button 3 times to lock the setting.
8. Turn touch pad back on and push "Retract All" button.
9. Push the "Auto" button and the system will operate normally.

For a more in-depth guide on calibrating, please visit www.bullseyeleveling.com and go to downloads to see the calibration guide.

Warranty

Bullseye Technologies, Inc. (BTI) warrants to the original purchaser that your purchased system is free from defects in material and workmanship for 3 (three) years from the date of purchase. BTI's obligation under this warranty is limited to repair or replacement of defective parts returned to BTI.

This warranty gives you specific legal rights including other rights that may vary from state to state. Some states do not allow limitations on implied warranties and exclusion or limitation of incidental or consequential damages, therefore the limitations and exclusions contained herein may not apply to you.

This warranty does not apply to products or parts that have been subject to abuse, accident, alteration, improper installation/repair, inadequate maintenance or deterioration due to normal wear. These discrepancies are at the opinion of BTI. This warranty is in lieu of all other express or implied warranties. BTI neither assumes nor authorizes any other person to assume liability for warranty claims not provided herein.

Any questions regarding warranty claims should be directed to your dealer or contact BTI. Address all correspondence to: PO Box 388, Logansport, IN 46947 or by contacting our customer service line at 877-753-0102.

PLEASE NOTE: It is important to read and understand this manual thoroughly before initiating any installation of the leveling system. BTI assumes no liability for damages or injuries resulting from the improper installation or operation of this system.