



LIPPERT COMPONENTS, INC.

LCI LEVEL-UP 5TH WHEEL LEVELING SYSTEM

OPERATION AND SERVICE MANUAL

WARNING!

FAILURE TO ACT IN ACCORDANCE WITH THE FOLLOWING MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THE USE OF THE *LCI LEVEL-UP 5TH WHEEL LEVELING SYSTEM* TO SUPPORT THE UNIT FOR ANY REASON OTHER THAN WHICH IT IS INTENDED IS PROHIBITED BY LIPPERT'S LIMITED WARRANTY. THE LIPPERT LEVELING SYSTEM IS DESIGNED AS A "LEVELING" SYSTEM ONLY AND SHOULD NOT BE USED TO PROVIDE SERVICE FOR ANY REASON UNDER THE COACH SUCH AS CHANGING TIRES OR SERVICING THE LEVELING SYSTEM.

LIPPERT COMPONENTS, INC. RECOMMENDS THAT A TRAINED PROFESSIONAL BE EMPLOYED TO CHANGE THE TIRE ON THE UNIT. ANY ATTEMPTS TO CHANGE TIRES OR PERFORM OTHER SERVICE WHILE UNIT IS SUPPORTED BY THE *LCI LEVEL-UP 5TH WHEEL LEVELING SYSTEM* COULD RESULT IN DAMAGE TO THE 5TH WHEEL AND/OR CAUSE SERIOUS INJURY OR DEATH.

WARNINGS!

- > BE SURE TO PARK THE UNIT ON SOLID, LEVEL GROUND.
- > CLEAR ALL JACK LANDING LOCATIONS OF DEBRIS AND OBSTRUCTIONS. LOCATIONS SHOULD ALSO BE FREE OF DEPRESSIONS.
- > WHEN PARKING THE UNIT ON EXTREMELY SOFT SURFACES, UTILIZE LOAD DISTRIBUTION PADS UNDER EACH JACK.
- > PEOPLE AND PETS SHOULD BE CLEAR OF UNIT WHILE OPERATING LEVELING SYSTEM.
- > BE SURE TO KEEP HANDS AND OTHER BODY PARTS CLEAR OF FLUID LEAKS. OIL LEAKS IN THE LIPPERT LEVELING SYSTEM MAY BE UNDER HIGH PRESSURE AND CAN CAUSE SERIOUS SKIN PENETRATING INJURIES.
- > NEVER LIFT THE UNIT COMPLETELY OFF THE GROUND. LIFTING THE UNIT SO THE WHEELS ARE NOT TOUCHING GROUND WILL CREATE AN UNSTABLE AND UNSAFE CONDITION.

PRIOR TO OPERATION

The leveling system shall only be operated under the following conditions:

1. The unit is parked on a reasonably level surface.
2. Be sure all person, pets and property are clear of the coach while Lippert LCI Level-Up 5th Wheel Leveling System is in operation.
3. Be sure no person(s) are moving around inside the unit during the auto-leveling process.
4. No rooms should be moved during the auto-leveling process.

TO PROGRAM THE TRANSMITTER:

1. Push and hold the blue button on the receiver, see Fig.1A.
2. Release the blue button when the red light above comes on, Fig 1B.
3. The red light will flash then go off.
4. Push the blue button again.
5. Release the Blue button when the red light above comes on.



Fig. 1



Fig. 2

6. With the red light on, push and hold any button on the transmitter, see Fig. 2.
7. When the red light blinks and goes off, the transmitter and receiver are programmed.

To turn wireless system on:

1. Push and release LCI button, Fig. 3(A).
2. Push and release ON button, Fig. 3(B).
3. System is now on and all functions can be operated.

To turn wireless system off:

1. System will turn off automatically after 5 minutes.
2. Push and release LCI button, Fig. 3(A).
3. Push and release ON button, Fig. 3(B) system will turn off immediately.

To operate Landing Gear - See Fig. 4(A)

1. Press landing gear EXT button to run landing gear down.
2. Press landing gear RET button to run landing gear up.

To operate level up Doorside Jacks - See Fig. 4(B)

1. Press LUDS button EXT to run level up door side jacks down.
2. Press LUDS button RET to run level up door side jacks up.

To operate level up Roadside Jacks - See Fig. 4(C)

1. Press LURS button EXT to run level up door side jacks down.
2. Press LURS button RET to run level up door side jacks up.

To operate Awning - See Fig. 4(D)

1. Press awning button EXT to run awning out.
2. Press awning button RET to run awning in.

To operate Slideout Room - See Fig. 4(E)

1. Press awning button EXT to run slideout out.
2. Press awning button RET to run slideout in.

To operate Security Light

1. Press security light button Fig. 3(B) once to turn security light on.
2. Press security light button Fig. 3(B) once to turn security light off.

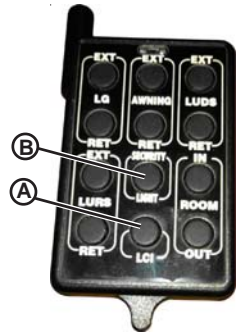


Fig. 3

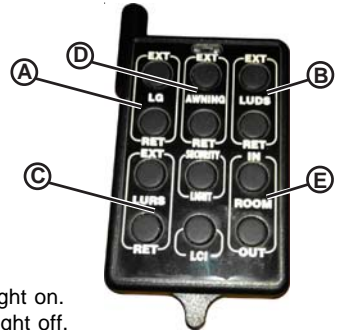


Fig. 4

WARNING!

Security light will not turn off automatically.

These instructions can be found on the back of each wireless remote control.

DROPPING UNIT OFF

1. Unhook tow vehicle.
2. Raise or lower the Landing Gear (front jacks) until the unit is level front to back. It is normal for the jacks to extend or retract at different speeds.
3. If one of the sides needs to be raised to be level ...lower the two Level Up legs on that side until the unit is level side to side. It is normal for the jacks to extend or retract at different speeds.
4. After the unit is level side to side ...lower the two other legs (opposite side) until they make contact with the ground. It is normal for the jacks to extend or retract at different speeds.
5. Adjust the Landing Gear (front jacks) until the unit is level front to back.
6. You can now extend your rooms.
7. Once the rooms have been extended you can readjust the unit side to side and/or front to back if necessary to maintain a level condition.
8. You can adjust any combination of jacks at any time to help keep the unit both level and stable with or without the rooms be retracted

RECONNECTING UNIT TO TOW VEHICLE

1. Close all rooms
2. Adjust Landing Gear (front jacks) to engage tow vehicle.
3. Raise Level Up jacks (four jacks in the back).
4. Once securely connected to the tow vehicle retract Landing Gear.
5. Check to make sure all jacks are fully retracted.

FLUID RECOMMENDATION

The *LCI LEVEL-UP 5TH WHEEL LEVELING SYSTEM* is pre-filled, primed and ready to operate direct from the manufacturer. Type "A" Automatic Transmission Fluid (ATF) may utilized and will work. ATF with Dexron III or Mercon 5 or a blend of both is recommended by Lippert Components, Inc.

In colder temperatures (less than 10° F) the jacks may extend and retract slowly due to the fluid's molecular nature. For cold weather operation, fluid specially formulated for low temperatures may be desirable.

WARNING!

Please consult factory before using any other fluids.

PREVENTATIVE MAINTENANCE PROCEDURES

1. Change fluid in **RESERVOIR ONLY** every 36 months.
 - a) Check fluid only when jacks are fully retracted.
 - b) Always fill the reservoir with the jacks in the fully **retracted** position. Filling reservoir when jacks are extended will cause reservoir to overflow into its compartment when jacks are retracted.
 - c) When checking fluid level, fluid should be within ¼" of fill spout lip.
2. Check the fluid level every month.
3. Inspect and clean all Pump Unit electrical connections every 12 months. If corrosion is evident, spray unit with WD-40 or equivalent
4. Remove dirt and road debris from jacks as needed.
5. If jacks are down for extended periods, it is recommended to spray exposed leveling jack rods with a silicone lubricant every seven days for protection. If your coach is located in a salty environment, it is recommended to spray the rods every 2 to 3 days.

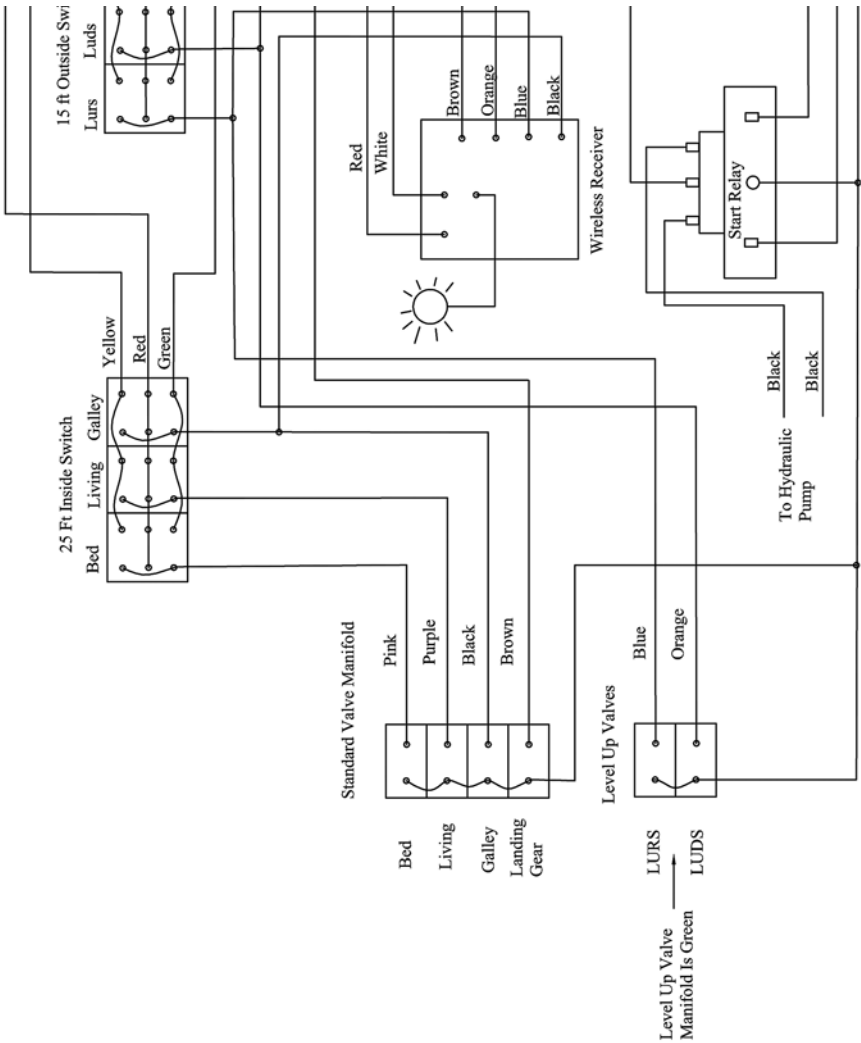
WARNING!

Your coach should be supported at both front and rear axles with jack stands before working underneath. Failure to do so may result in personal injury or death.

TROUBLESHOOTING

- 1st - Check the battery in the REMOTE. Replace if necessary.
- 2nd - Check for POWER into the receiver. If there is no POWER, check the protection device on the positive wire feeding the receiver. Reset or replace the protection device.
- 3rd - Check onboard fuses.
- 4th - When POWER into the receiver is established, check for POWER out to the MANUAL SWITCHES. The positive wire also has a protection device inline. If there is no power out to the MANUAL SWITCHES, reset or replace the protection device.
- 5th - Reprogram remote to the receiver. See "TO PROGRAM THE TRANSMITTER."
- 6th - If system is still inoperative, replace receiver. The receiver is common to all units.

WIRING DIAGRAM



IF YOU HAVE ANY PROBLEMS OR QUESTIONS CONSULT YOUR LOCAL AUTHORIZED DEALER OR CALL LIPPERT AT:
(866) 524-7821.