



***Advanced
Actuation Solutions***

by  Lippert Components®

**POWER GEAR®
FULL WALL SLIDE-OUT
OWNERS MANUAL**

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Introduction

The Power Gear® Full Wall Slide-out incorporates a specifically designed controller that gives the user full control of room movement in both extend and retract functions. The controller has a load sensing capability that will stop the motors when the room is fully extended or retracted. The inner rail assemblies are designed to support the room weight. The 12V DC slide-out gear motors operate the room using onboard battery power. The slide-out system is equipped with a manual override, which allows the slide-out to extend or retract in the event of a loss of power.

NOTE: Information for this document was obtained from Power Gear manual 82-S0378, Rev. 0B issued December 2008. All information has been updated for current practices.

For information on the assembly or individual components of this product, please visit:
<https://support.lci1.com/power-gear-through-frame-slideout-system> .

NOTE: Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

Safety

Read and fully understand all instructions before operating this product. Adhere to all safety labels.

This manual provides general procedures. Many variables can change the circumstances of the procedures, i.e., the degree of difficulty involved in the service, operation and the ability of the individual performing the operation. This manual cannot begin to plot out procedures for every possibility, but provides the general procedures, as necessary, for effectively operating and servicing the device, product or system. Failure to correctly install the system may result in voiding the warranty, inflicting personal injury or death.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death, serious personal injury, severe product or property damage if not performed safely and within the parameters set forth in this manual.

WARNING

Always make sure that the slide-out room path is clear of people, pets and objects, before and during operation of the slide-out room. Always keep away from the slide rails when the room is being operated. The gear assembly may pinch or catch on loose clothing, causing personal injury. Install transit bars (if so equipped) on the slide-out room during storage and transportation.

WARNING

When the motor brake is disengaged, the slide-out room will not lock into place; therefore, the room will not be sealed. Do not travel unless the motor brake is in the "engaged" position.

WARNING

The Full Wall Slide-out is intended for the sole purpose of extending and retracting a slide-out room. Its function should not be used for any other purpose. To use the system for any purpose other than its original design may result in death, serious personal injury, severe product and/or property damage.

WARNING

Make sure that the maximum loaded room weight of 700 lbs is not exceeded. Overloading the room may result in death, serious personal injury, severe product or property damage.

CAUTION

The "CAUTION" symbol above is a sign that a procedure has a safety risk involved and may cause personal injury, product or property damage if not performed safely and within parameters set forth in this manual.

CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

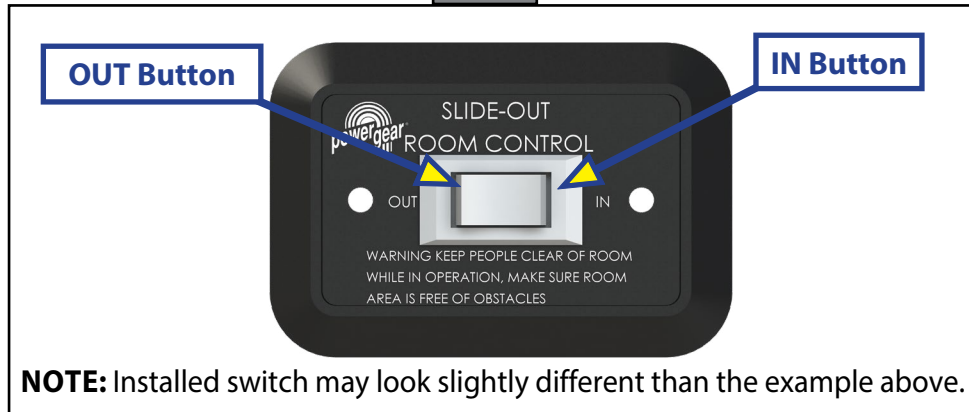
Operation

Extending

1. Level the unit.
2. Verify the battery is fully charged and hooked up to the electrical system.
3. Remove the transit bars, if so equipped.
4. Turn "ON" the on/off switch or key, if so equipped.
5. Press and hold the IN/OUT (Fig. 1) switch in the OUT position until the room is fully extended and stops moving.

NOTE: For units equipped with room locks, this can take as long as one minute. The room locks may disengage for 30 seconds before the room starts to move. This is normal.

Fig. 1



6. Release the switch, which will lock the room into position.

NOTE: If the slide-out switch is held after the room is fully extended, the control will sense that the room has stopped and will shut off the motor after a few seconds.

7. Turn "OFF" the on/off switch or key, if so equipped.

Retracting

1. Verify the battery is fully charged and hooked up to the electrical system.
2. Turn "ON" the on/off switch or key, if so equipped.
3. Press and hold the IN/OUT switch in the IN position until the room is fully retracted and stops moving.

NOTE: For units equipped with room locks, it is necessary to continue to hold the IN button until both room lock lights are illuminated to ensure that the room locks are fully seated.

4. Release the switch, which will lock the room into position.

NOTE: If the slide-out switch is held after the room is fully retracted, the control will sense that the room has stopped and will shut off the motor after a few seconds.

5. Turn "OFF" the on/off switch or key, if so equipped.
6. Install the transit bars, if so equipped.

Manual Override

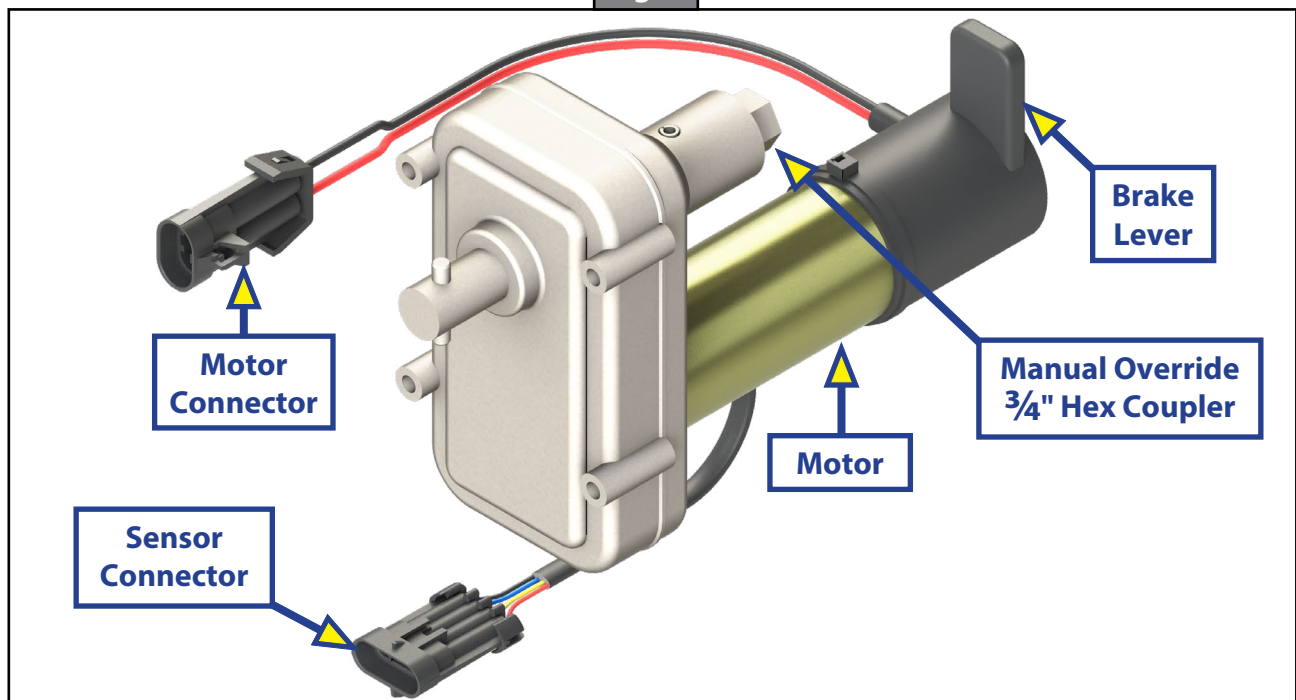
Standard Method

In the event of battery/power failure or some other loss of system power, the system can be manually operated. The system has been equipped with mechanical override couplers on each keyed shaft assembly.

NOTE: Due to the size and weight of the slide-out room, it is recommended to have one person at each rail of the slide-out room so that the manual override procedure can be completed at each rail simultaneously.

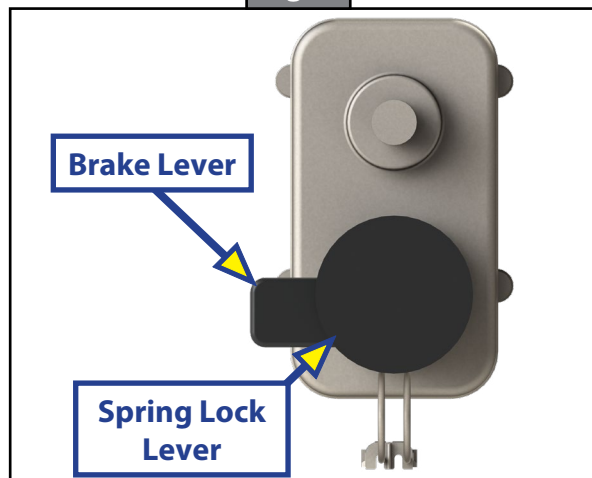
1. Locate the motor and the 3/4" hex coupler (Fig. 2). The hex coupler may not be attached to the motor as pictured, but instead attached to a system drive component.
2. Unplug the motor connector. Leave the sensor connector attached.
3. Depress the spring lock lever (Fig. 3) on the right-hand side of the boot cover, then rotate the override lever counterclockwise to disengage the motor brake.
4. Repeat steps 1-3 for all motors.

Fig. 2



5. Use a wrench, or socket and ratchet, to turn each override coupler in the direction required to move the room.
6. Once the room is fully retracted, re-engage the brake lever on the motor.

Fig. 3



7. Reconnect the motor connector.
8. Do **NOT** attempt to use the room until a RVIA-qualified service center resets the computerized

⚠ WARNING

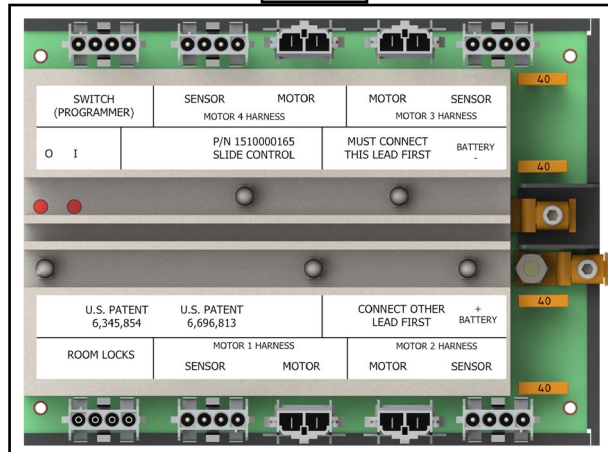
When the motor brake is disengaged, the slide-out room will not lock into place; therefore, the room will not be sealed. Do not travel unless motor brake is in the "engaged" position.

controller (Fig. 4) in accordance with the service manual's instructions.

⚠ CAUTION

Failure to reset the controller may cause damage to the system or unit.

Fig. 4



Alternative Procedure

If there are not enough people available to perform the manual override procedure on all of the rails simultaneously, follow the steps below:

1. Locate the motor and the 3/4" hex coupler (Fig. 2) on the first motor. The hex coupler may not be attached to the motor as pictured, but instead attached to a system drive component.
2. Unplug the motor connector. Leave the sensor connector attached.
3. Depress the spring lock lever (Fig. 3) on the right-hand side of the boot cover, then rotate the override lever counterclockwise to disengage the motor brake.
4. Release the motor brake, rotate the shaft approximately 1/8 turn, then apply the motor brake.
5. Proceed to the next rail with motor and complete steps 1-4. Keep moving to each successive rail and completing those steps, then start the process over with the first rail until the room is fully retracted.

⚠ WARNING

When the motor brake is disengaged, the slide-out room will not lock into place; therefore, the room will not be sealed. Do not travel unless motor brake is in the "engaged" position.

6. Once the room is fully retracted, re-engage the brake lever on the motor.
7. Reconnect the motor connector.
8. Do **NOT** attempt to use the room until a RVIA-qualified service center resets the computerized controller (Fig. 4) in accordance with the service manual's instructions.

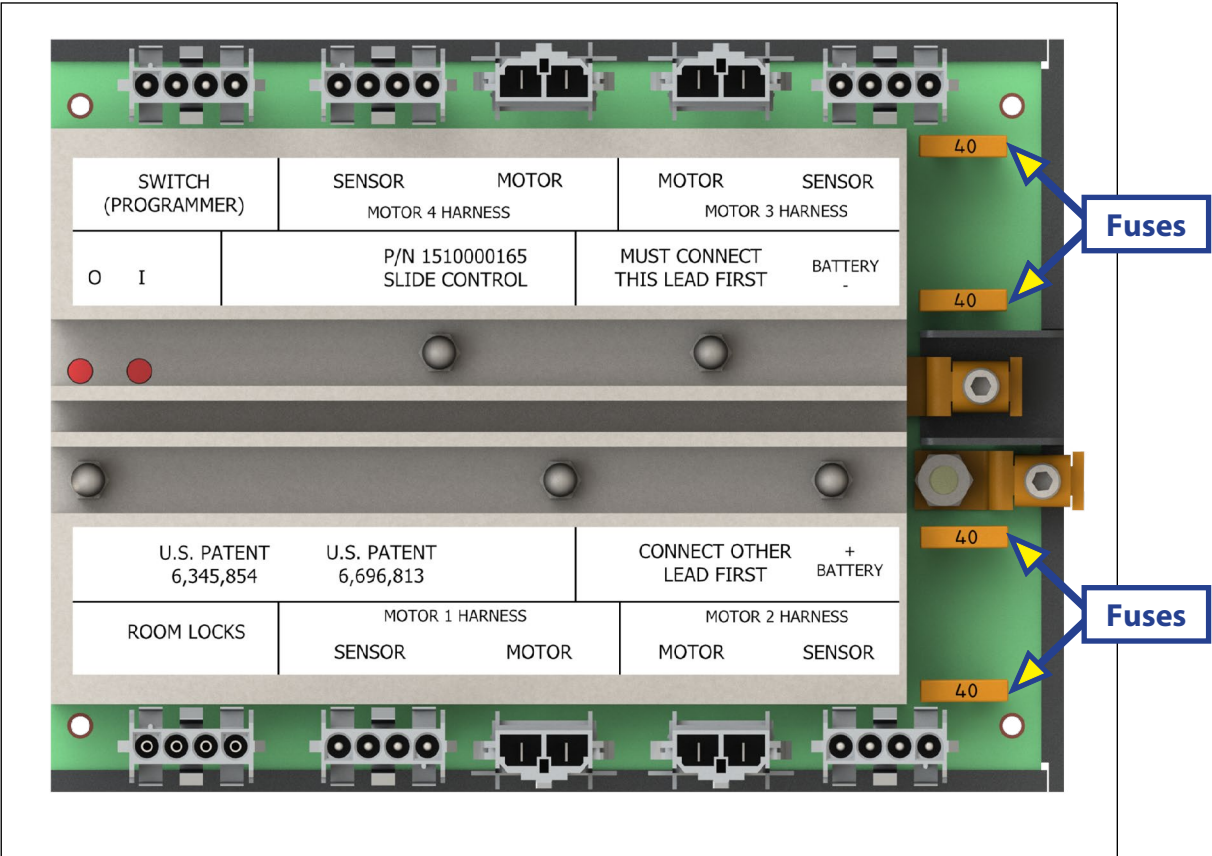
Troubleshooting

What Is Happening?	Why?	What Should Be Done?
Motors will not be run.	Bad or blown fuse.	Check fuses.
	Harness is wired incorrectly.	Check that harnesses are connected to the proper plug.
Slide-out room does not stop extending.	Out stops need to be reprogrammed.	Take coach to service dealer.
Slide-out room does not stop retracting.	In stops need to be reprogrammed.	Take coach to service dealer.
Slide-out room "skips" when coming in or out.	Room is not at the proper height setting.	Take coach to service dealer.
	Gears or rail teeth are damaged.	
Slide runs backwards from switch designation.	Switch is wired incorrectly.	Verify that switch is wired correctly.
Motors run in opposite directions.	Motors need to be reprogrammed.	Reverse the motor leads or have a service dealer reprogram the motor direction using a programming harness.
Room seems to run slowly	Low voltage	Check voltage at each motor while the room is climbing the ramp.

Maintenance

When the room is extended, visually inspect the slide-out system for excessive build-up of dirt or other foreign material. If the system squeaks or makes noise, wipe dirt and foreign material away from the slide-out system.

Controller Diagram





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Follow proper safety practices. If in doubt, consult a professional RV technician.