



***Advanced  
Actuation Solutions***

by  Lippert Components®

**ELECTRIC MOTOR  
SLIDE-OUT  
OWNER'S MANUAL**

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## Introduction

The electric slide-out system is designed to provide years of trouble free operation and reflects the latest state-of-the-art technology.

**NOTE:** Information for this document was obtained from Power Gear manual #82-S0380 Rev. 0B issued May 2008. All information has been updated for current practices.

### CAUTION

**Read, study and understand all instructions in this manual before operating the electric motor driven slide-out system.**

## Major Components

The slide-out system is a rack and pinion design operated by a 12 V DC electric motor.

- Inner rail assemblies are designed to support the room weight.
- The 12 V DC gear motor will operate the room using power from the on board unit battery.
- Slide-out systems are equipped with a manual override that extends or retracts the room in the event of a loss of power.

## Safety

### WARNING

**Always make sure that the slide-out room path is clear before and during operation of the slide-out room.**

### WARNING

**Always keep away from the slide-out rails when the room is being operated. The gear assembly may pinch or catch on loose clothing causing personal injury.**

### WARNING

**Always utilize a room locking device on the slide-out room during storage and transportation.**

### WARNING

**Failure to follow these instructions could result in serious injury or death.**

# Operation

## Extending the Room

1. Level the coach.
2. Verify the battery is fully charged and hooked up to the electrical system.
3. If so equipped, remove the transit bars.
4. Make sure the room path is clear, both inside and outside the coach.
5. Check the slide-out awning. Some awnings must be manually unlocked before operating the slide-out.
6. Press and hold the IN/OUT switch in the OUT position until the room is fully extended and stops moving.
7. Release the switch, which will lock the room into position.

## Retracting the Room

1. Verify coach is level.
2. Verify the battery is fully charged and hooked up to the electrical system.
3. Make sure the room path is clear, both inside and outside the coach.
4. Press and hold the IN/OUT switch in the IN position until the room is fully retracted and stops moving.
5. Release the switch, which will lock the room into position.
6. Check the slide-out awning. Some awnings must be manually locked before traveling.
7. If so equipped, install transit bars.

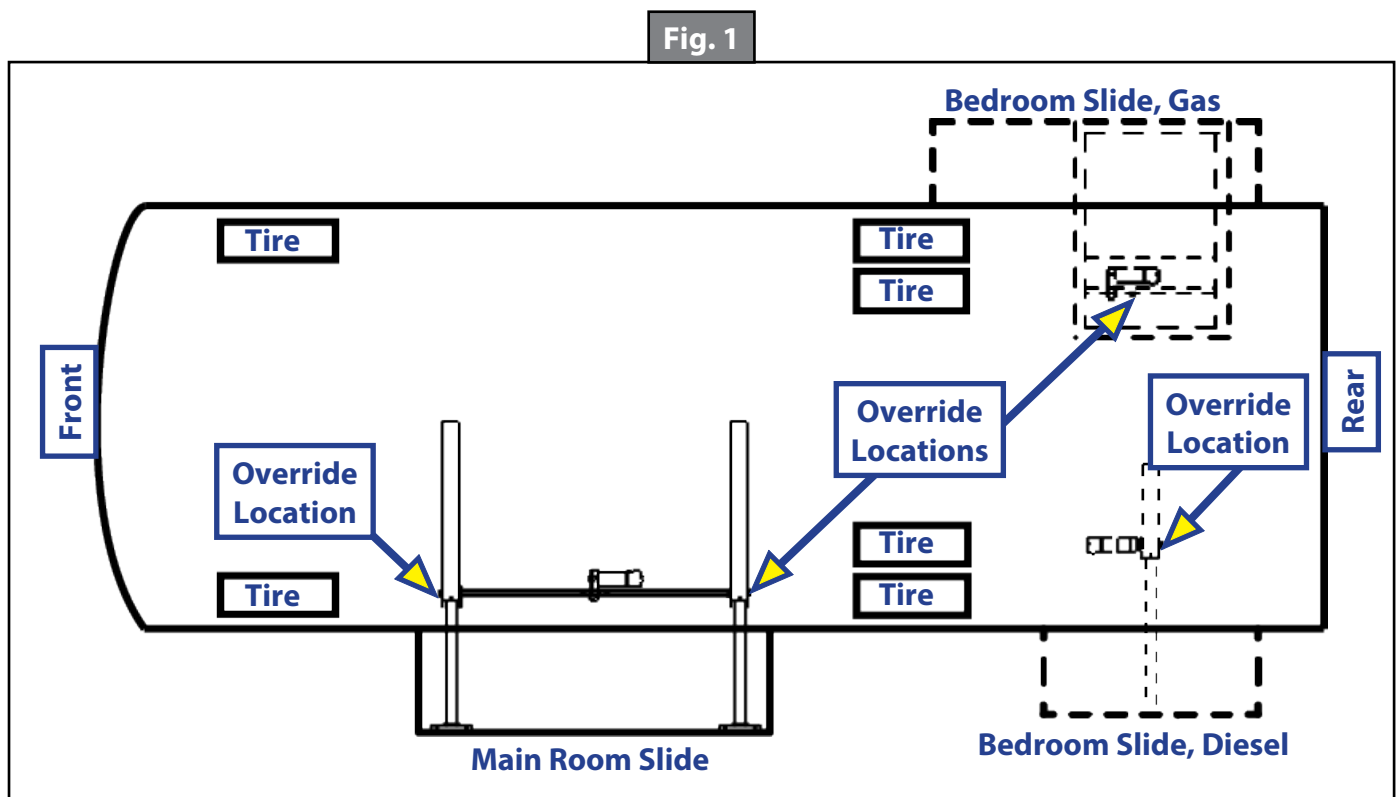
## Manually Overriding the Slide-Out

Your slide-out system is equipped with a manual crank override that extends or retracts the room in the event of a loss of power (Fig.1.) The crank mode uses a  $\frac{3}{4}$ " ratchet or wrench to turn the  $\frac{3}{4}$ " hex head override nut located on the motor's gear box (Fig. 3).

**NOTE:** Optionally, it is permissible to use an adjustable wrench on the square drive shaft to crank the room in or out (Fig. 2).

If the room does not move when the switch is pressed, check the following:

- Battery is fully charged and connected.
- The transit bars are removed.
- All system fuses/circuit breakers and relays are good.



After the previous items have been checked and the room still does not move when the slide-out switch is pressed, follow these simple steps to manually override the slide-out room.

1. Locate applicable slide-out motor from Figure 1.
  - A. The motor is located in the top of the center storage compartment under the slide-out room.
  - B. A bedroom slide-out motor will be mounted to the rail assembly.
2. In slide-out motors built after 2009, brake levers are equipped with a spring lock.

### **⚠ CAUTION**

**Do not remove rubber boot. Removal of boot will void manufacturer's warranty.**

- A. Do not remove rubber boot when engaging or releasing the brake lever.
- B. When viewed from end of motor (Fig. 4), depress the spring lock lever on the right hand side of the boot cover.

**NOTE:** In slide-out motors built prior to 2009, brake levers are not equipped with a spring lock.

- C. Rotate the override lever counterclockwise approximately 30 degrees until the brake lever stops against the brake's set screw while contacting with the spring lock.
3. The room is now free to move.
  4. Locate the manual override on the end of a rail assembly (Fig. 2). It is also permissible to use an adjustable wrench on the square drive shaft (Fig. 2) to crank the room in or out.
  5. Check the slide-out awning. Some awnings must be manually unlocked before operating.
  6. Using a 3/4" wrench or ratchet, crank the room either in or out completely, depending on need.
  7. When the room is fully in or out, apply pressure to the wrench or ratchet, then return the motor brake lever to the "Engaged" position. This will ensure the room is locked into a sealed position.

### **⚠ WARNING**

**When the motor brake is disengaged, the slide-out room will not lock in place; therefore, the room will not be sealed. When the room has been manually retracted, be sure to install the transit bars and return the motor brake lever to its normal "engaged" position in order to seal and lock the room into position.**

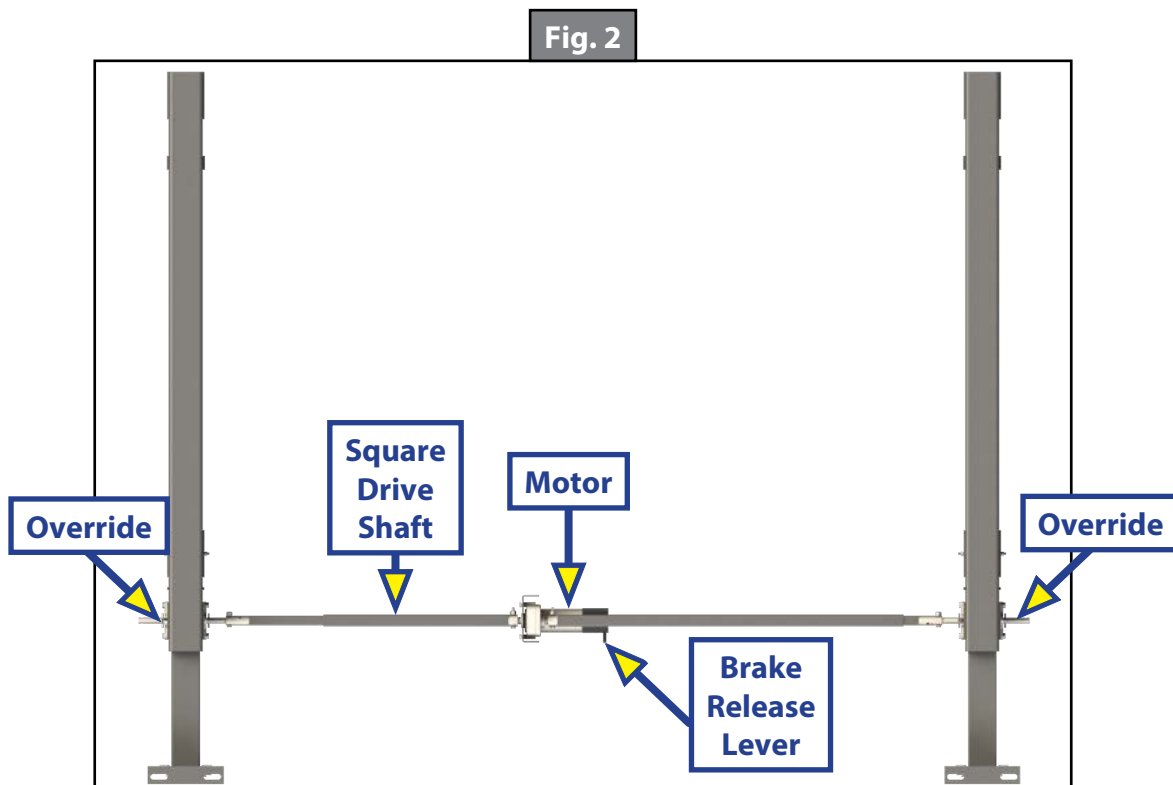


Fig. 3

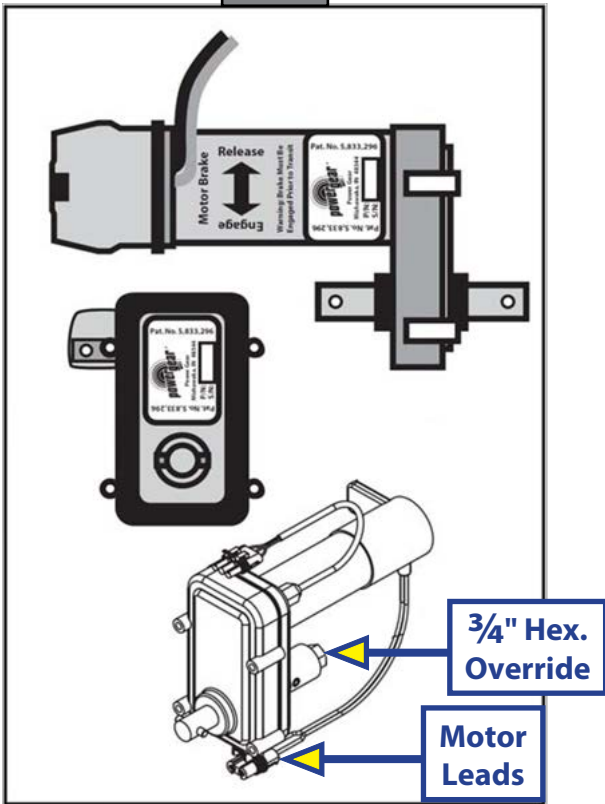
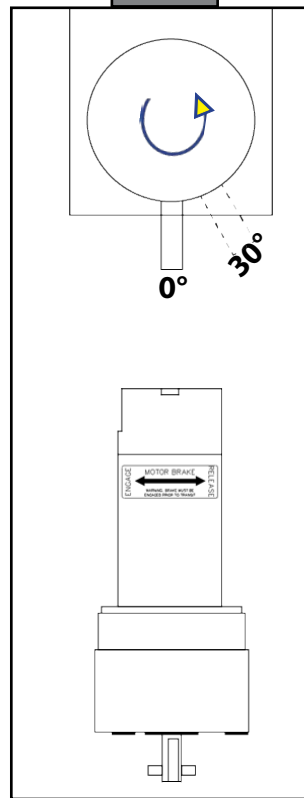


Fig. 4



Rotate approximately 30 degrees counterclockwise to release motor brake.

8. Again, check the slide-out awning. Some awnings must be manually locked before traveling.
9. If so equipped, re-install transit bars.
10. Take the coach to an authorized dealer for service.

## Maintenance

The slide-out system has been designed to require very little maintenance. To ensure the long life of the slide-out system read and follow these few simple procedures.

### **⚠ WARNING**

**Do not work on the slide-out system unless the battery is disconnected.**

- When the room is out, visually inspect the inner slide rail assemblies. Check for excess build-up of dirt or other foreign material; remove any debris or items that may be present.
- If the system squeaks or makes any noises, it is permissible to apply a light coating of silicone spray or lithium grease to the roller and bearing sleeve ID. Remove any excess lubricant so that dirt or debris do not build-up.
- DO **NOT** lubricate the slide-out drive gears, gear racks, or roller O.D. as this will attract dirt or debris.



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