



# Electric Driven Room Slide Operation Manual

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## Electric Motor-Driven Room Slide System

### Light & Medium Weight Rooms

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#### Introduction

This coach is equipped with an Electric Motor-Driven room slide mechanism from Power Gear. This system in your coach is designed to give you years of trouble free operation and reflects the latest state-of-the-art technology. The arm is moved by a rack and pinion system which is driven by a 12 VDC gear motor. Read, study, and understand this manual before operating your slide-out system.

#### Major Components

- The inner rail is designed to support the room weight
- The 12 volt DC gear motor operates using power from the chassis battery
- Slide-out systems are equipped with a manual override that allows you to extend/retract the room in the event of a loss of power.



***Prior to extending or retracting the room, take a moment to insure the following:***

1. Follow the coach manufacturer instructions regarding the leveling of the coach and room slide out operation.
2. Verify the battery is fully charged. Keeping the coach running will ensure proper voltage for room extension/retraction.
3. Park brake must be set.
4. Check both inside and outside of the vehicle to make sure there are no people who could be harmed or obstacles that could cause damage due to room extension or retraction.
5. Check to ensure that all safety travel straps / locks / bars have been removed and that no obstructions exist between the inside wall flange and the inside wall of the coach.
6. If the slide out room is equipped with a couch or other furniture, make sure that the room is clear of people and pets during extension. Once the room has reached its maximum extension the room may be occupied again.



## Operating Instructions

### Extending Your Slide Out Room

**See Operating Safety Precautions Above Before Proceeding.**

To extend the room slide, simply press and hold the "OUT" button. To stop the room during operation, release the button. Once the room has reached its full extension it will stop automatically.

### Retracting Your Slide Out Room

**See Operating Safety Precautions Above Before Proceeding.**

To retract the room simply press and hold the "IN" button. To stop the room during operation, release the button. Once the room has completely retracted it will stop automatically.



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

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



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

If you have problems or questions, consult your local authorized dealer.

## Preventative Maintenance

Your Power Gear slide-out system has been designed to require very little maintenance. To ensure long life of your slide-out system, read and follow these simple procedures:

- When the room is out, visually inspect the inner slide rail. 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 other noises, it is permissible to apply a light coating of silicone spray or lithium grease to the roller and bearing sleeve ID. Be sure to 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 OD, as this will attract dirt and debris.

## Troubleshooting

Your Power Gear slide out system is equipped with a manual override that allows you to retract the room in the event of a loss of power.

If the room does not extend or retract when the switch is pressed, check the following:

1. Battery is fully charged and connected.
2. All system fuses / circuit breakers are good. Also check in-line breaker on motor lead. (See figure 1)
3. Check to ensure that all travel bars I locks I bars have been removed.

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

PROBLEM	CHECK/INSPECT	PROBABLE CAUSE	SOLUTION
The room does NOT move and the motor does NOT turn.	The room will move slightly, then stop.	Excessive drag on the room.	Check to insure the transit bars are removed.
The room does NOT seal.	Make sure that the motor brake lever is in the engaged position.	Motor brake lever is disengaged.	Engage brake lever. (see figure 2)
The room STARTS to move, then STOPS.	Test by visual inspection.	An obstruction is blocking the path of travel in the room. Debris gets lodged between gear and rack. Dirt or corrosion builds up.	Remove obstruction or relocate unit. Remove the debris. Remove dirt and lubricate with a LIGHT coat of oil.
The room moves VERY slowly.	The room moves slowly all the way in or out.	Check for 12 Volts DC at the motor while is in operation.	Recharge or replace battery.

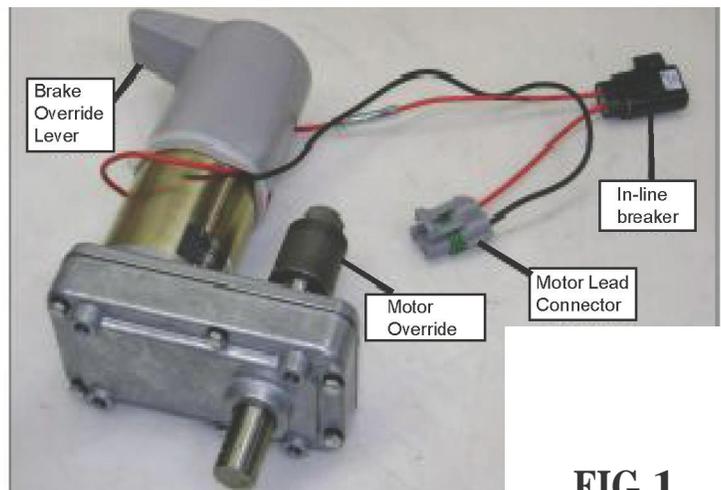
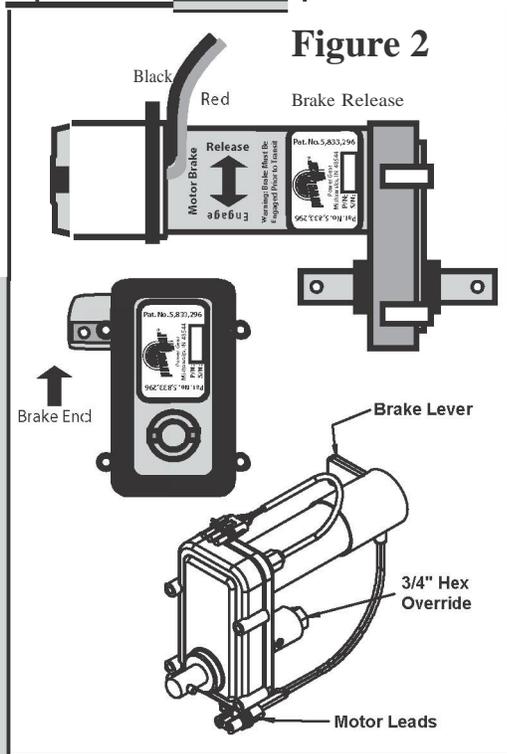


FIG 1

**Manually Overriding Your System**

*Crank Mode In the event of a total system failure, a 3/4" socket or wrench may be used to retract the room.*



- Locate the slide out motor. The motor will be attached to the base of the system.
- Disconnect the motor leads at the connector (see figure 1).
- With your thumb, depress the spring lock lever on the right hand side of the boot cover. Then, rotate the override lever counter-clockwise with your index finger to disengage the motor brake. Refer to Figure 3. Push the room until it is just snugged up. Block the slide out room to prevent it from moving while driving. See your dealer for service before using again or
- Locate the manual override on the output shaft of the motor (see figure 1).
- Check the slide out awning (some awnings must be manually unlocked before operating).

- Using a 3/4" wrench or ratchet, crank the room in completely.
- Engage the brake lever by rotating clockwise when viewed from the gearbox end (see figure 2).
- Check to make sure that you have a good seal.
- Reconnect the motor leads to the connector.
- Take the unit to an authorized dealer for service.

