

Electric Slideout System Operations Manual

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Power Gear	

Introduction

The Power Gear electric slide out system in your unit is designed to give you years of trouble-free operation and reflects the latest state-of-the-art technology. Read, study, and understand this manual before operating this Slideout System.



System Description

The Power Gear Slideout System is a rack and pinion design operated by a 12 Volt DC electric motor. It consists of four major components:

- Inner rail assemblies are designed to support the room weight.
- A 12 volt DC gear motor will operate the room using power from the on-board unit battery.
- Slideout systems are equipped with a manual override that allows you to extend / retract the room in the event of loss of power.
- A specially designed control that gives the user full control of the room movement, in or out. The control has a load sensing capability that stops the motor when the room reaches its fully extended or retracted positions.



WARNING

•Always make sure the unit is level before operating the Slideout room.

•Always make sure there are no obstructions blocking the path of the room when it is moving.

•Always keep away from the slide rails when the room is in motion. The gear assembly may pinch or catch on loose clothing causing person injury.

•Install transit bars (if so equipped) on the slideout room during storage and transportation.

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

NOTE:

The override will not work if the switch is turned on.

NOTE:

If the RV has an underbelly or cover over the motor, these parts must be removed to access the motor.

Operating the Slideout System

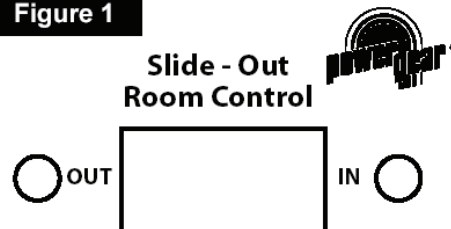
Extending the Room

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 switch (Figure 1) in the OUT position until the room is fully extended and stops moving.
6. Release the switch, which will lock the room into position. NOTE: if the slideout 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 the Room

1. Verify that the battery is fully charged and hooked up to the electrical system.
2. Turn ON the ON/OFF switch or key (if so equipped).

Figure 1



WARNING!

Keep people clear of room when in operation. Make sure area is clear of obstacles.

3. Press and hold the IN/OUT switch (Figure 1) in the IN position until the room is fully retracted and stops moving.
4. Release the switch, which will lock the room into position. NOTE: If the slideout 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).

Manually Overriding the Slideout System

Your Power Gear Slideout System is equipped with a manual override that allows you to extend or retract a room in the event of a loss of power.

Note: If the room does not move when the switch is pressed, make sure that:

- The slideout system is turned on.
- The battery is fully charged and connected.
- The transit bars are removed (if so equipped).

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

1. Turn OFF the ON/OFF Switch Key (if so equipped).
2. Locate the Slideout Electrical Controller and disconnect the motor lead from controller. (Refer to your dealer or RV manufacturer for location.)

For Version 1, unplug the 6-Pin Wiring Harness from the Controller.

For Version 2, remove either the Motor I or the Motor II leads from the Controller.

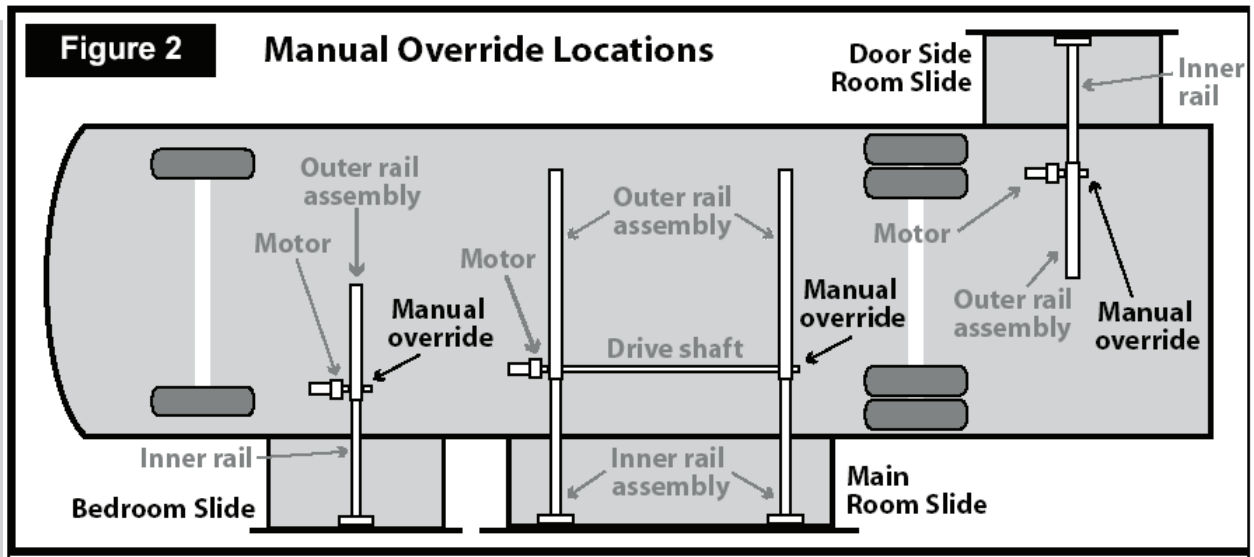
3. Locate the Slideout Motor (Figure 2). It will be mounted to one of the Slideout Rails.

4. 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 4)

5. Locate the manual override for the slideout system (Refer to Figure 2).

6. The room is now free to move. Using either a 5/8th or 3/4th wrench or socket, crank the room either in or out completely (depending on your needs).

Note: If the slideout system is supplied with a gearbox override (optional), use the crank handle to move the room.

Figure 2**Manual Override Locations**

! WARNING

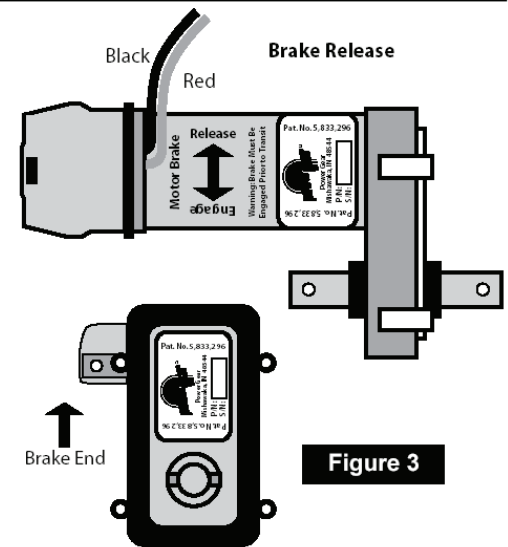
•When the Slideout room Motor Brake Lever is released, the room will not lock into place and, therefore, not be sealed from the outside elements.

•When the room has been manually retracted, be sure to install the transit bars (if so equipped) and return the motor brake lever to its normal engaged position, in order to seal and lock the room into position.

! CAUTION

•Do not work on your system unless the battery is disconnected.

7. When the room is fully in or out, have one person put pressure on the wrench / ratchet to and return the brake lever to its engaged position. This will ensure that the room is locked into a sealed position.

Figure 4**Figure 3**

8. Install the transit bars of the slideout room (if so equipped) and take the unit to an authorized dealer for service.

Preventative Maintenance

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

•When the room is out, visually inspect the slide rail assemblies. (Refer to Figure 2 for location of inner 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 side bushings. DO NOT lubricate the slide-out drive gears, gear racks, or roller OD as this will attract dirt / debris.

If you have any problems or questions consult your local authorized dealer or call us at Power Gear.



•Do not work on your system unless the battery is disconnected.

Troubleshooting the Slideout System

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 3).
The room STARTS to move, then STOPS.	Test by visual inspection.	An obstruction is blocking the path of travel in the room.	Remove obstruction or relocate the unit.
The room moves VERY slowly.		Debris gets lodged between the gear and rack.	Remove the debris.
		Dirt or corrosion builds up.	Remove dirt and lubricate with a LIGHT coat of oil.
		The room moves slowly--all the way in or out.	Check for 12 Volts DC at the motor while room is in operation



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