

POWER GEAR SLIDE-OUT MANUAL



a unit of **apw** Engineered Solutions

Operation Guide

**FLUSH FLOOR SLIDE-OUT SYSTEM FOR
AMERICAN COACH PRODUCTS**

82-S0220-01 Rev. 1

AMERICAN COACH SLIDE-OUT MANUAL FLUSH FLOOR SYSTEM

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***NOTE : Advanced trouble shooting and repair should only be done by an authorized Fleetwood dealer. Repairs performed by Owner may void warranty.**

FORWARD

The Power Gear™ electric slide-out system for your coach is designed to give you years of trouble free operation. Read, study, and understand this manual before operating your slide-out system.

SYSTEM DESCRIPTION

Your Power Gear flush floor slide-out system consists of the following major components:

- 1) The Drive Assembly, which includes the drive motor and mounting hardware.
- 2) Three Slide-out Assemblies. The side units include the rack-and-gear transmissions, connected to a center support unit which does not have a rack or gear, but which houses the Drive Assembly.
- 3) A specially designed control that gives the user full control of the room movement, in or out, and which includes a load sensing capability which stops the motor when the room has reached it's final position.
- 4) A key-cutout switch, to prevent accidental use of the slide-out system, incorporated into the electronics, as well as a motion alarm to alert those around the slide-out room when it is moving.

! CAUTION !

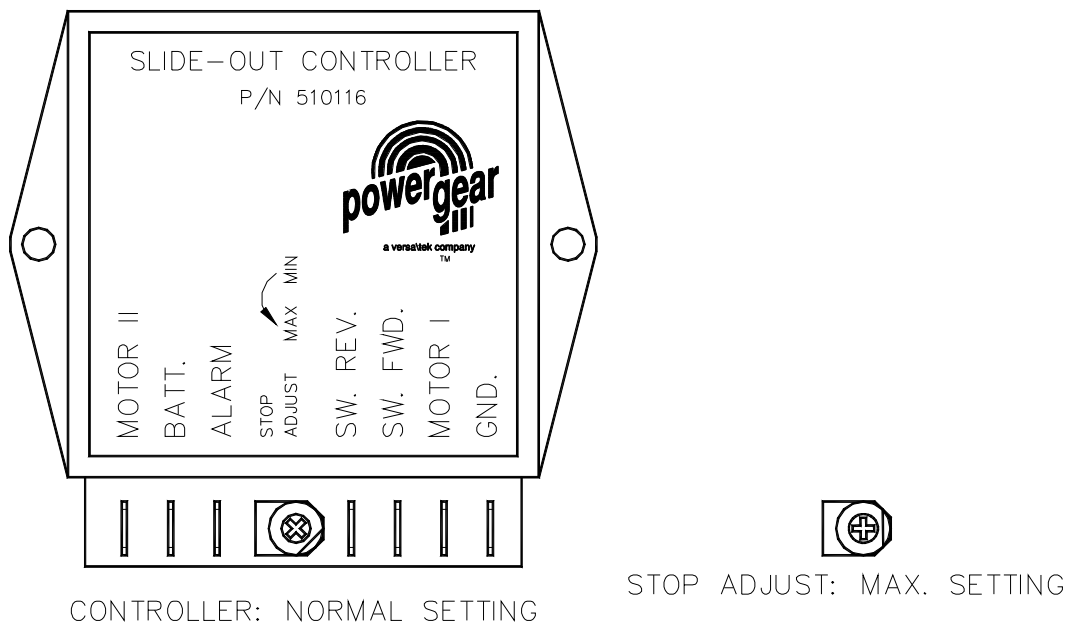
ALWAYS MAKE SURE THAT THE COACH IS RESTING ON THE LEVELING JACKS AND IT IS LEVEL BEFORE OPERATING THE SLIDE-OUT ROOM.

! WARNING !

ALWAYS MAKE SURE THAT THE ROOM PATH IS CLEAR OF PEOPLE AND OBJECTS BEFORE OPERATING.
ALWAYS KEEP AWAY FROM THE SLIDE RAIL WHEN THE ROOM IS IN MOTION. THE GEAR RACK MAY PINCH OR CATCH ON LOOSE CLOTHING, CAUSING PERSONAL INJURY.

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY.

YOUR SLIDE-OUT CONTROLLER



The slide-out control unit for your slide-out system is located near the motor assembly. This unit is controlled by the switch panel located in the main living area. It activates both the motor and the slide-out alarm when the switch panel is operated. It also limits the amount of power the drive motor can draw, shutting off the system when the motor load exceeds the control's setting.

CAUTION: This control has an adjustment that allows for a wide range of power settings. If this adjustment is set too high, damage to the room seal flanges can result. Please note the adjusting screw's normal setting, and do not exceed the maximum setting.

HOW TO OPERATE YOUR SLIDE-OUT

BEFORE YOU OPERATE YOUR POWER GEAR SLIDE-OUT SYSTEM:

- (1) Make sure the path for the room to move is clear.
- (2) Make sure the coach rests on all of the leveling jacks.
- (3) Check to see that the coach is level.
- (4) Check the parking brake. Make sure it is ENGAGED.

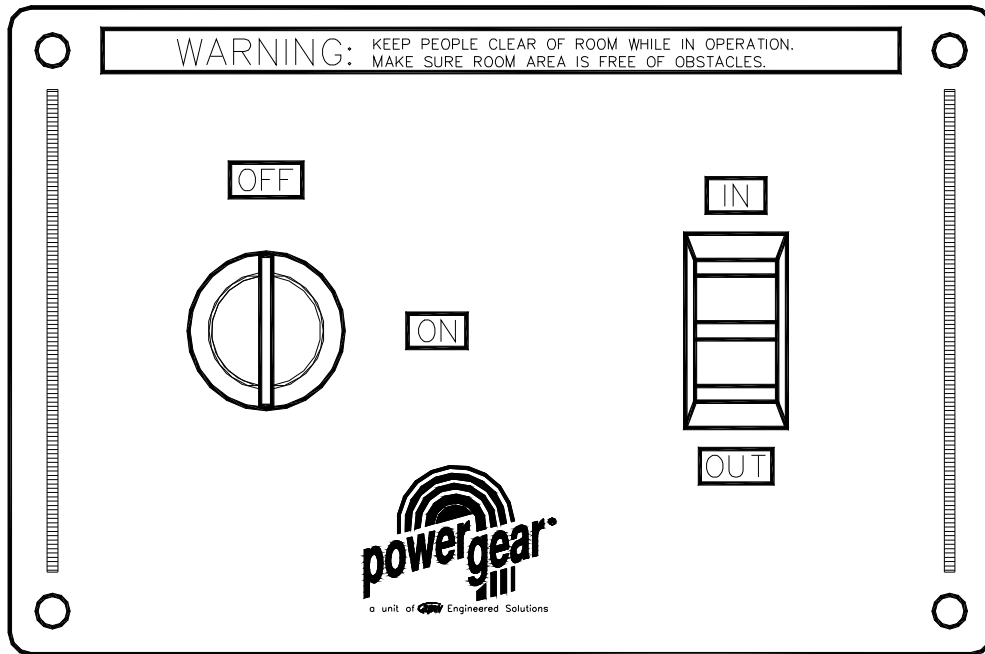
EXTENDING THE ROOM

STEP 1 - Turn the slide-out system key switch to ON.

STEP 2 - Press and hold the room direction switch in the OUT position until the room is fully extended and stops moving. The control will automatically shut off the motor, locking the room in place.

STEP 3 - Release the switch and turn the slide-out system key to OFF. To prevent unintentional slide-out activation, remove the key from the key switch.

CONTROL PANEL



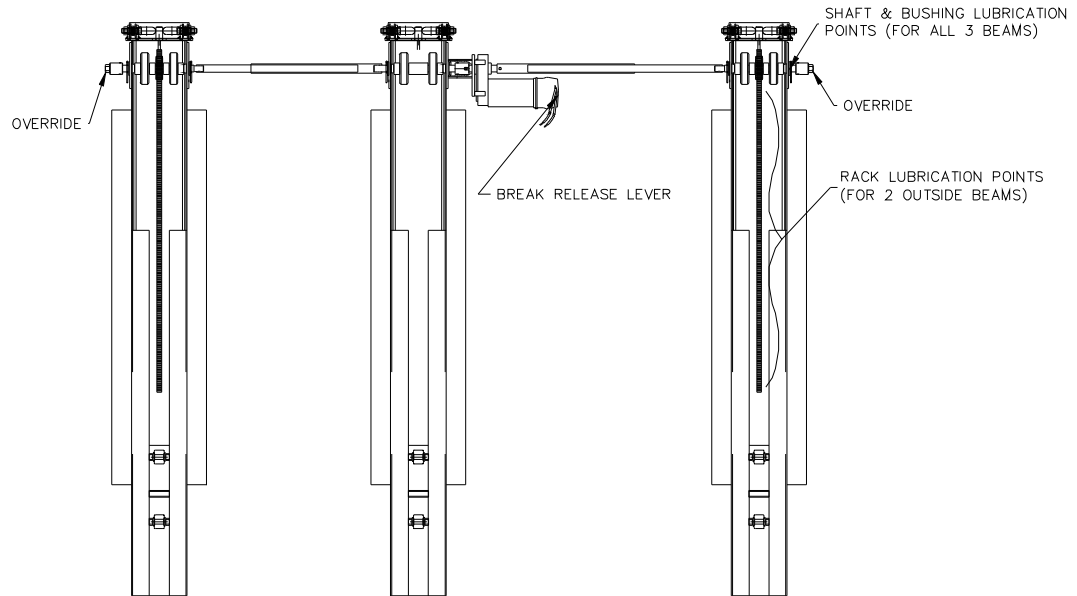
RETRACTING THE ROOM

STEP 1 - Turn the slide-out system key switch to ON.

STEP 2 - Press and hold the switch in the IN position until the room is fully retracted and stops moving. The control will sense that the room has stopped and will automatically shut off the motor, locking the room in place.

STEP 3 - Release the switch and turn the slide-out system key to OFF. To prevent unintentional slide-out activation, remove the key from the key switch.

System Layout



OVERRIDING YOUR SLIDE-OUT SYSTEM

Your Power Gear slide-out system has a manual override attached to each outboard beam. This allows you to extend or retract your slide-out room in the event of a loss of power.

If your slide-out room will not move when the switch is pressed, consult the trouble shooting section of this manual before using the manual override. If the options listed there fail, then follow the simple steps below to move your room by hand.

TOOLS REQUIRED: A $\frac{3}{4}$ " box wrench or $\frac{3}{4}$ " socket with a $\frac{1}{2}$ " socket drive is recommended, though any style will do.

STEP 1 – Shift the brake release lever on the motor to **RELEASE**.

STEP 2 – Disconnect the motor power leads.

STEP 3 – Locate the override coupling on the rearward side of the slide-out mechanism, and turn the coupling **CLOCKWISE** to retract the room.

STEP 4 – If the front of the room does not retract along with the rear, access the front coupling through the front wheelwell, and turn it **COUNTER-CLOCKWISE** to

draw in the front of the room.

(Continues ...)

STEP 5 - Shift the brake release lever to ENGAGE and secure the motor access panel.

! WARNING !

**THE MOTOR BRAKE MUST BE ENGAGED WHEN TRAVELING OR WHEN
THE ROOM IS TO STAY IN THE EXTENDED POSITION.**

**PROPERTY DAMAGE OR INJURY MAY RESULT IF THE BRAKE IS NOT
ENGAGED.**

PREVENTATIVE MAINTENANCE

Your Power Gear slide-out system is designed to require no preventative maintenance. Disassembly of your slide-out system or removal of any component from the coach is not required or recommended.

If your system operates with excessive noise, the shaft bearings and gear rack may be greased or sprayed with a silicon lubricant to correct the condition. Do not disassemble the slide-out system in any way. If satisfactory results are not achieved, contact American Coach service or power gear customer service.

OWNER'S TROUBLE SHOOTING GUIDE

Room does not move when the toggle switch is pressed

- Key switch is off.
- Turn key switch On.
- Parking brake is not engaged.
- Engage parking brake.
- Slide-out fuse is burned out.
- Replace slide-out fuse (30 A) located in the battery compartment.
- Battery is not charged.
- Charge battery.
- Other
- Contact American Coach Service

Room does not seal fully in extend or retract.

- Batteries are not fully charged.
- Check batteries for full charge: charge if necessary.
- Motor is not supplied with enough power.
- Turn the controller stop adjust 1/8 of a turn.
- Note: Do not exceed maximum setting. Contact American Coach service if you have reached the maximum setting and still have sealing problems.**
- Other
- Contact American Coach service.

One side of the room moves, but not the other.

- There is a break in the drive system.
- In all cases, retract the room and contact American Coach service.

PARTS ORDERING INFORMATION

When ordering parts, please provide the following information:

- 1) Your Name
- 2) Your Company's Name
- 3) Your Phone Number
- 4) Your Shipping Address
- 5) Your Billing Address
- 6) The Purchase Order Number
- 7) The Coach Model Number

For each part needed, please provide:

- 1) The Part Number
- 2) The Part Description
- 3) The Quantity Required