



Room Slide Mechanism Single Actuator

Introduction

Coaches equipped with a Room Slide Mechanism from Kwikkee Products have a number of operational and troubleshooting features that make the system easy to use.

The room slide-out system is made up of one drive arm consisting of an inner and outer support, which slide within one another. The load of the room is carried primarily by a front roller or on bedslides by a set of plastic glide blocks.

The system is driven by a single start acme screw and driven by a two stage parallel gearbox and 12V DC motor. A single start acme screw is used to prevent the room from moving during travel, and as a precautionary measure, the motor is dynamically parked providing additional security.



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. If your coach is equipped with a luggage compartment beneath the room that extends, make sure that the luggage compartment doors are closed so that they will not interfere with slide-out operation.
3. Make sure that there are no people or obstacles on the inside or outside of the coach that would interfere with room extension/retraction or could be injured or damaged due to room movement.
4. Check to ensure that all safety travel straps/bars have been removed and that no obstructions exist between the inside wall flange and the inside wall of the coach.
5. Park Brake must be set. 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/retraction. Once the room has reached its maximum extension/retraction, the room may be occupied once again.

Operation

Extending Room Slide:

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. The "OUT" button will not function again until the "IN" button has been pressed.

Retracting Room Slide:

To retract the room, simply press and hold the "IN" button. To stop the room during the operation, release the button. Once the room has completely retracted it will stop automatically. The "IN" button will not function again until the "OUT" button has been pressed.

Troubleshooting

Troubleshooting: Retracting Room Slide:

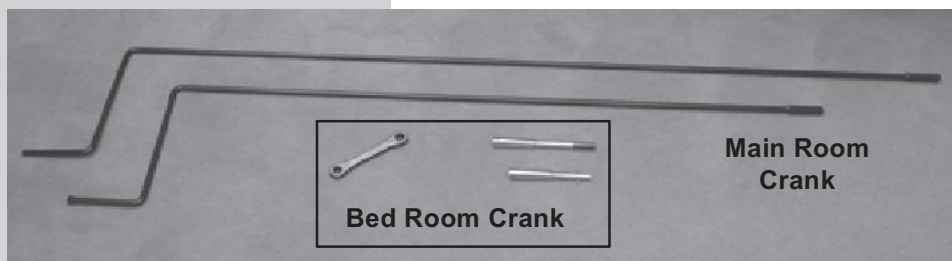
If the red Park Brake LED is flashing while attempting to extend the room, set the vehicle's parking brake.

In the event there is an error detected on your Room Slide System, the left LED on the control panel will blink an error code (See On Board Diagnostics for details). To retract the room after an error is detected you can clear the code by hitting the "OUT" button momentarily or it will automatically clear after 60 seconds, then try again.

Troubleshooting: Extending Room Slide:

If the red Park Brake LED is flashing while attempting to extend the room, set the vehicle's parking brake.

In the event there is an error detected on your Room Slide System, the left LED on the control panel will blink an error code (See On Board Diagnostics for details). To retract the room after an error is detected you can clear the code by hitting the "IN" button momentarily or it will automatically clear after 60 seconds, then try again.



In the event of a system failure, a crank handle may be used to retract or extend the room.



NOTICE

Improper use of the crank handle can result in damage to your slideout system. Crank mode should only be used to retract your slideout in the event of a system failure.

Crank Mode:

To use the crank handle, locate the opening exposing the front of the room slide mechanism on room slides or to the inside of the coach under the bed on bedslides. Insert the crank handle into the front of the tube on room slides and at the rear of the mechanism under the bed on bedslides. Often a cover panel may need to be removed to expose the activator. To align notches it may be necessary to move the handle slightly from side to side.

Error Codes

The Room Slide is equipped with onboard diagnostics capabilities. In the event of a system failure, the left LED on the control panel will blink to display several possible error codes. An error code will not be displayed unless one of the control panel buttons has been pressed. For example, the control panel will not display an error code for low battery voltage unless you are trying to extend or retract the room when low voltage is present.

When an error is detected, the left LED will begin to flash. The error code can be determined by counting the number of flashes in between each pause. (See the Onboard Diagnostics Key below for details.) The error code may be cleared at any time by pressing the button opposite of the direction last requested or by allowing the system 60 seconds to time out and automatically clear the code. Once cleared, the operation can be tried again. If the error code appears again, see Crank Mode.

Onboard Diagnostic Features:

# of Flashes	Description of Problem
1	Not applicable
2	Time out, no stall (100 seconds)
3	Battery voltage less than 10 volts (detected when "IN" or "OUT" is requested)
4	Battery voltage less than 8 volts (detected when Room Slide is moving)
5	Battery voltage greater than 16 volts (detected when Room Slide is moving)
6	Motor short
7	No load detected (motor open)

Onboard Diagnostic Features:

# of Flashes	Description of Problem
1	Unit timed out (ran for 90 sec without reaching end of stroke)
2	No current detect on motor
3	Front Battery voltage less than 10 volts (during startup)
4	Front battery voltage less than 8 volts (after move started)
5	Front battery voltage greater than 18 volts
6	Short detect on motor



Diagnostics For Systems With Panel As Above (note: no center hole)



Diagnostics For Systems With Panel As Above (note: center hole)



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