



Step Well Cover Operating Instructions



DO NOT RIDE THE SLIDER DURING OPERATION.

Overview

The 90615 Series Step Well Covers, manufactured by Kwikkee Products Company, Inc., are designed for front-entry coaches. The step well cover provides comfort and foot-support for the person riding in the passenger seat. The step well cover also provides added user safety by preventing accidental falls into the entry step well.

The construction of the step well cover consists of three primary parts:

- 1) Outer shell
- 2) Slider
- 3) Drive mechanism

The **outer shell** connects directly to the chassis of the motor coach and provides the structural support and environmental protection for the drive mechanism and slider.

The **slider** is the portion of the slide that extends and that the user sees during normal operation.

The **drive mechanism** is responsible for providing the power to drive the slider in and out and also provides the Emergency Retract function.

Extension

To extend the unit, first make sure that there are no obstructions in the step well which will interfere with the operation of the unit. Locate the step well slide rocker switch and position yourself fully inside the coach. Do not stand in the entry step well. Press and hold the rocker switch in the extend position until the unit is fully extended and stops moving.

Verify that the slide is fully extended by visually checking to see that the unit is level and parallel to the main floor and that the front edge of the slide is resting on the support blocks next to the entry door.

Retraction

To retract the unit, first make sure that there is nothing laying on top of the slider. Locate the step well slide rocker switch and position yourself fully inside the coach. Press and hold the rocker switch in the retract position until the unit is fully retracted and stops movement.

Verify that the slide is fully retracted by visually checking to see that the unit is flush with the back part of the step.

Emergency Retract Feature



CAUTION Do not active Emergency Retract unless necessary. Operation of the Emergency Retract will cause the unit to become non-functional until the cable system has been reconnected.

In the event of a failure in the slide unit in the extended position, the floor slide is equipped with an Emergency Retract

function. The emergency cable release is located at the front of the slide under a black plastic snap-in cover labeled Emergency Retract (**Figure 1A**). To release the slide in an emergency requiring exiting the coach, remove the black plastic cover by pulling it up and to the side (**Figure 1B**).



Figure 1A



Figure 1B

Depending on the model of the step well cover, in the opening you will see either a gold colored lever or a bead-chain.

If it is the gold colored lever (**Figure 1C**). Push sharply down on the lever and the cable will release,



Figure 1C

allowing you to manually push the slide in.

The bead-chain is attached to the black plastic cover and as you remove it, the chain will pull the release allowing you to manually push the slide in (**Figure 1D**).



Figure 1D

Cable Rewind Procedure

In the event that the emergency cable release is activated, the cable system will need to be reconnected. The following procedure should be followed to reconnect the cable system.

1. Manually extend the floor slide to approximately $\frac{3}{4}$ of full travel and have someone hold it in this position or lock it in this position using a cut block of wood or other part that is of suitable length and will not scratch the floor slide.
2. Locate the spring assembly that was released from the cable release latch (**Figure 2**).

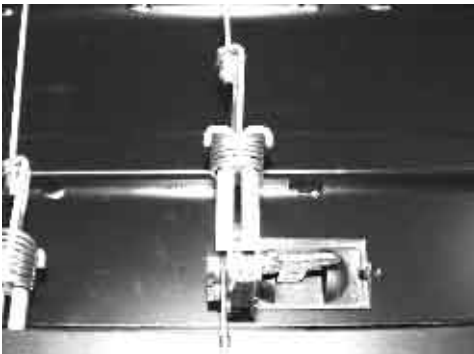


Figure 2 (Attached spring system)

3. Pull it out toward the front of the unit and set it aside.
4. Remove the two $\frac{1}{4}$ "-20-hex bolts, flat washers, and lock washers that hold the cable drum in place and set them where they will be easily accessible for later use (**Figure 3**).



Figure 3

5. Remove the black plastic end cap and outer drum assembly and set aside for later use.
6. Remove the inner drum (closest to the motor) and unwind the cable that is attached to it. If the cable is no longer attached to the drum, insert the crimped cable end into the slot located next to the female end of the drum. Begin winding the cable in a clockwise direction as viewed from the male end of the drum. Wind the cable on the drum so that it is shorter than what is needed to slip the motor side over the motor gear. Make sure not to cross the cable and make even tight wraps around the drum (**Figure 4A**).

Make sure that the motor side drum cable (*short cable*) is connected to the motor side spring assembly and to the front of the slider (**Figure 4B**).



Figure 4A



Figure 4B

7. Grasp the drum with the cable between your fingers and push your hand toward the motor allowing the drum to unwind in your hand. Make sure to keep the cable tight. Unwind only enough cable to align the drum with motor gear teeth and slide the drum over the motor gear teeth fully (**Figure 5**).



Figure 5

8. Connect the outer drum spring assembly to the latch and ensure that it is locked down and the latch is fully closed. To accomplish this it will require compressing the spring slightly while closing the latch, as shown in **Figure 2**.

The cable should be routed from the spring around the plastic U-Block in the back of the slide and up past the motor assembly (**Figure 6A**). Grasp the remaining drum and check to ensure that the cable is inserted into the slot on the male end of the cable drum and begin winding the drum in a counter clockwise direction. As you run out of cable begin rolling the drum in towards the drum connected to the motor taking up the cable and winding it on the drum as you go.

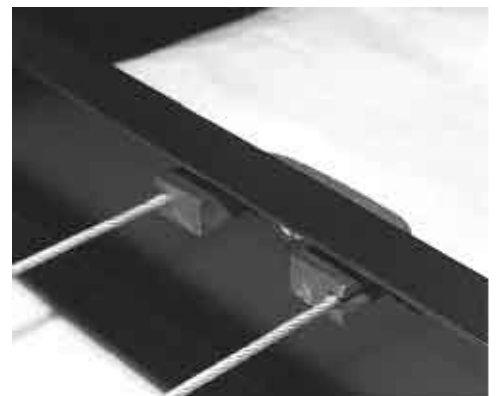


Figure 6A

Once in line, slide the female end of the outer drum over the male end of the drum previously placed and engage the gear teeth. Place the plastic drum end cap over the outer most drum and replace the drum L-bracket with the flat washer, lock washer, and bolt (**Figures 6B, and 6C**).



Figure 6B



Figure 6C

Tighten the L-bracket bolts only enough to take up the slop; the bracket should be able to slide in and out by hand with a little effort, as shown in **Figure 3**.

NOTE: Make sure that the cable is not crossed over or pinched between the two drums.

9. Connect a ratchet to the end of the outer most drum using a 7/16" socket.

With one hand, hold the drum closest to the motor in place and with the other hand slide the outer drum away from the inner drum slightly to disengage the mating teeth. Now release the drum closest to the motor and it will stay there.

Hold the outer most drum and begin tightening the cable by rotating the outer most drum in a clockwise direction using the ratchet attached to the end of the drum. Tighten the cable until all of the slack is out of both the springs at the front of the slide unit and then wiggle the drum back and forth while pushing it in with the ratchet to engage the closest pair of teeth between the two drums. Make sure both drums are fully engaged (**Figure 7**).

10. Slide the L-bracket inward toward the motor and take up all of the clearance between the end of the drum and the plastic end cap.

Make sure that:

- The drums are fully engaged on the motor
- The drums are fully engaged with each other.
- The drum end cap is covering the end of the drum.

Tighten the bolts on the L-bracket, making sure to keep it square in relation to the drums and the mounting surface.

11. Remove the spacer that was holding the slide in the out position and run the slide in and out several times to make sure that it is working properly.

Check for crossed cables and proper cable tension. The cables should not be loose and the springs should be tensioned at all points of the travel.

12. If the springs are loose, loosen the L-bracket slightly to allow it to move slightly and repeat Step 9.



Figure 7



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