

Standard Regal Transport Cage



Regal Transport Cage
with Therapy Door

Regal Transport Cages

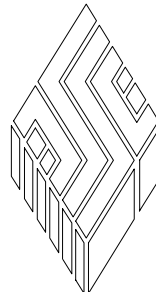
- *Transport animals easily and safely*
- *Wire frame door and therapy door models*
- *36 in. and 48 in. widths to suit your needs*
- *Durable, easy-to-clean stainless steel*

New Model Numbers:

12014-00-GCFPDY, 12014-00-HYFPDY, 12016-00-GCFPEH, 12016-00-HYFPEH

Former Model Numbers:

102295-00, 102297-00, 102305-00, 102307-00



SSCI

Wheeling, IL (800) 323 7366

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Inquiries should be addressed to **Suburban Surgical Co., Inc.**
Wheeling, Illinois 60090, USA

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Chapter 1 - General Information



Standard Regal Transport Cage



Regal Transport Cage
with Therapy Door

Introduction

SSCI's versatile Regal Transport Cages can be used to move animals from their cages to surgery, to transfer boarders between the waiting room and the kennel, and to temporarily hold patients before treatment.

These stainless steel cages start with the same rugged construction as our standard Regal Cages. Then we add a stainless steel frame with full-width rails and crossmembers for increased rigidity. For easy movement, each cage rides on four five-inch diameter, castered wheels. Two of the casters have wheel brakes for safety, and all caster swivel bearings and axles have grease fittings.

Doors are hinged-left. Wire frame doors can easily be reversed to hinged-right with no additional hardware. A full-width stainless steel push handle is included on one end, however, handles can be mounted on both ends for greater convenience.

Our Regal Transport Cage with Therapy Door is the ideal way to move patients to an area for continuous observation. It's designed with all the features of our standard Regal Transport Cage, but includes a clear, polycarbonate door with an ice tray and oxygen nebulizer. A standard stainless steel door can be purchased separately for even greater versatility.

About this Manual

Every attempt has been made to insure that the information in this manual is correct and complete. SSCI, however, always welcomes our customer's suggestions for improvements to our products and associated publications.

Information and Safety Notices

In this manual you will find text under the headings **Note:**, **CAUTION:**, and **WARNING:**.

Notes

Under **Note:** headings, you will be given additional information pertinent to the subject discussed in that paragraph or step.

Example:

Screw the new caster into the cage base.

Note: The casters with the brakes should go on diagonally opposite corners of the cage.

CAUTIONS

Under **CAUTION:** headings, you will be alerted to potentially hazardous conditions which, if ignored or mishandled, could result in injury to yourself or damage to the equipment.

Example:

CAUTION: Unpacking and assembling the transport cage is not difficult. The cage is heavy, however, and handling it can be awkward for one person. We recommend that unpacking and assembly be done by at least two people.

WARNINGS

Under **WARNING:** headings, you will be alerted to potentially hazardous conditions which, if ignored or mishandled, could result in major injury to yourself or severe damage to the equipment.

Example:

WARNING: Oxygen is a highly combustible gas. Avoid the use of open flames, smoking materials, or equipment capable of producing sparks in any area in which oxygen is being used.

Regal Transport Cage Models

SSCI's Regal Transport Cages are available in two models:

- Standard Transport Cage (with wire frame door)
- Transport Cage with Therapy Door

Both models are available in two cage sizes:

- 36 in. wide, 30 in. high (91.44 cm W, 76.20 cm H)
- 48 in. wide, 30 in. high (121.92 cm W, 76.20 cm H)

Table 1 lists the SSCI part numbers for the Regal Transport Cages.

Model	Cage Size (inches)	SSCI Part Number
Standard	36W x 30H	12014-00-GCFPDY
Standard	48W x 30H	12014-00-HYFPDY
Therapy Door	36W x 30H	12016-00-GCFPEH
Therapy Door	48W x 30H	12016-00-HYFPEH

Table 1. Regal Transport Cage Models

Accessories

The following accessories are available for the SSCI Regal Transport Cage. Descriptions, pictures, and detailed information on SSCI products and accessories can be found in our current catalog and on our website at www.suburbansurgical.com. To order accessories, refer to *Parts Ordering Procedure* on Page 20:

- Additional Push Handle. - P/N 210483
- Standard Regal Cage Door (36 in. W) - P/N 209798
- Standard Regal Cage Door (48 in. W) - P/N 209800
- Removable PVC Cage Floor (36 in. W) - P/N 12385-00-FNALDO
- Removable PVC Cage Floor (48 in. W) - P/N 12385-00-HJALDO
- Removable Stainless Steel Cage Floor (36 in. W) - P/N 12375-00-FNAFDN
- Removable Stainless Steel Cage Floor (48 in. W) - P/N 12375-00-HJAFDN
- Stainless Steel Caster (w/o Brake) - P/N C008-22082221-FFD00
- Stainless Steel Caster (w/Brake) - P/N C008-22082220-FFD00
- IV Hooks, Food and Water Bowls, Card Holders, Clipboards, etc. - Refer to your SSCI catalog

Safety (Therapy Door Only)

Always observe the following safety warnings when using the oxygen with the therapy door.

WARNING: Oxygen is a highly combustible gas. Avoid the use of open flames, smoking materials, or equipment capable of producing sparks in any area in which oxygen is being used.

WARNING: Oxygen-in-use warning signs should be prominently displayed where the therapy door cage is used, and outside of all entrances to the room.

WARNING: Do not place an animal that has been exposed to an explosive gas such as ether into the oxygen therapy door cage.

WARNING: Do not attempt to use an oxygen concentration greater than 40% unless, in your professional opinion, it is absolutely necessary.

Care and Cleaning of Stainless Steel

Introduction

Stainless steel is steel alloyed with chromium to make it highly resistant to stain, rust, and corrosion. **Note:** This does NOT mean that stainless steel will *never* rust or corrode. Science has not yet developed a steel which is completely stainless or corrosion PROOF.

The type of stainless steel and finish selected by SSCI for this product is the best available for the intended use.

Cleaning and Cleansers

The basic rule of thumb is to use the mildest cleaning agent that will do the job effectively. After cleaning, always rinse thoroughly with clear water, and dry completely. Frequent cleaning will prolong the service life of stainless steel equipment and will help maintain a bright, pleasing appearance.

Ordinary deposits of waste and fluids can usually be removed with soap and water. More stubborn deposits or tightly adhering debris may require harder scrubbing and possibly the use of commercial cleaning products acceptable for use on metal surfaces. When using any cleaning agent, rub in the direction of the polish lines or “grain” of the metal. For high luster finishes, clean soft cloths or pads should be used.

If especially rough cleaning is necessary, use “stainless steel” wool, nylon, or plastic scrubbers. Test these scrubbers in an inconspicuous area first to be sure they do not mar or scratch the stainless steel finish.

Minor scale build-up and some hard water spotting may be removed by washing with vinegar, followed by a neutralizing rinse with clear water and a thorough drying with a soft cloth. For heavy deposits of scale, 5% oxalic acid (use warm), 5-15% sulfamic acid, or 5-10% phosphoric acid may be used. Always follow with a neutralizing rinse of clean water and a thorough drying.

Deodorizing Agents, Disinfectants, and Sanitizers

The large selection of brands and combinations of chemicals available for deodorizing, disinfecting, and sanitizing is staggering. Select one or more agents for use in your facility only after weighing all the benefits claimed by each product. Often this choice is made without adequate consideration of the effects these agents may produce on equipment or furnishings.

CAUTION: Before selecting a chemical to employ in your facility, review label statements regarding use with metals (stainless steel). Always consult the chemical supplier if there are any doubts.

Avoid prolonged use of chlorides (such as chlorine bleach), bromides, iodides, and thiocyanates on stainless steel surfaces as these chemicals will cause pitting, corrosion, and metal discoloration. Allowing salty solutions to evaporate and dry on stainless steel may also contribute to corrosive conditions.

In summary, select chemical deodorizers, disinfectants, and/or sanitizers only after weighing all possible benefits and known adverse effects.

Effect on Warranty

The warranty for this product is void if the care and cleaning instructions provided in this manual are not followed.

Cleaning Requirements

Clean the transport cage exactly in accordance with the cleaning instructions provided in this manual.

Failure to follow these instructions can void your warranty.

SSCI Contact Information

Contact SSCI Customer Service by mail, telephone, or fax. The department is available from 8:30am to 5:00pm, Central Time, Monday through Friday. Closed holidays.

Address: Suburban Surgical Co., Inc.
275 Twelfth Street
Wheeling, Illinois 60090

Telephone: Illinois - (847) 537-9320, ext. 3518
Toll Free - (800) 323-7366

Fax: (847) 537-9061

Web: www.suburbansurgical.com

Warranty

Suburban Surgical Company, Inc. warrants the original purchaser that our products are of the highest standards in material and workmanship. Our stainless steel components are guaranteed to last a lifetime assuming they are used as intended, properly maintained and cared for. Mechanical, electrical, electronic, hydraulic, and any product's devices carry a one year warranty.

Items purchased by Suburban Surgical Company, Inc. from other manufacturers and incorporated into our equipment are covered by the respective manufacturer's warranties.

Warranties will not apply if it is determined by Suburban Surgical Company, Inc. that the equipment became defective due to an accident, misuse, abuse, improper maintenance or alteration. Warranty freight charges are covered for the first year only.

Chapter 2 - Unpacking and Final Assembly

General

This section guides you in unpacking and assembling the SSCI Regal Transport Cage. If you have problems or require additional assistance, please feel free to call SSCI Customer Service at (800) 323-7366.

Unpacking and Inspection

CAUTION: Unpacking and assembling the transport cage is not difficult. The cage is heavy, however, and handling it can be awkward for one person. We recommend that unpacking and assembly be done by at least two people.

If the shipping container appears damaged in any way, contact the shipping company immediately. Save all damaged packing materials to assist in proving liability for damage.

Carefully inspect your transport cage while you unpack it. If any damage is noted, or if parts appear to be missing, call SSCI Customer Service at (800) 323-7366.

Final Assembly

Final assembly of the standard cage differs from that of the cage with the therapy door. Refer to the appropriate assembly instructions listed below:

- Standard Transport Cage - below
- Transport Cage with Therapy Door - Page 9

Standard Transport Cage

The Standard Transport Cage is shipped almost fully assembled with the door and the four casters in place. The only final assembly required is the attachment of the push handle.

Note: An additional push handle can be ordered to mount on the opposite end of the cage for greater convenience (refer to *Accessories* on Page 3).

Parts Included

The following parts are included in the shipment (Figure 1):

- Standard Transport Cage (complete)
- Push handle (wrapped and taped to the inside of the cage door)

Tool Required

- Phillips screwdriver

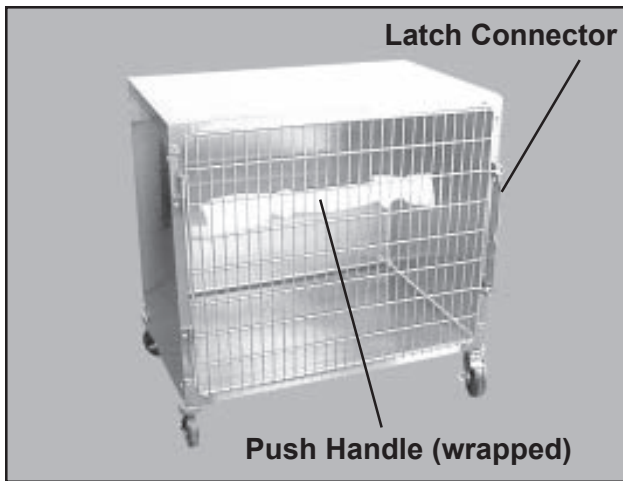


Figure 1. Standard Transport Cage - Parts Supplied

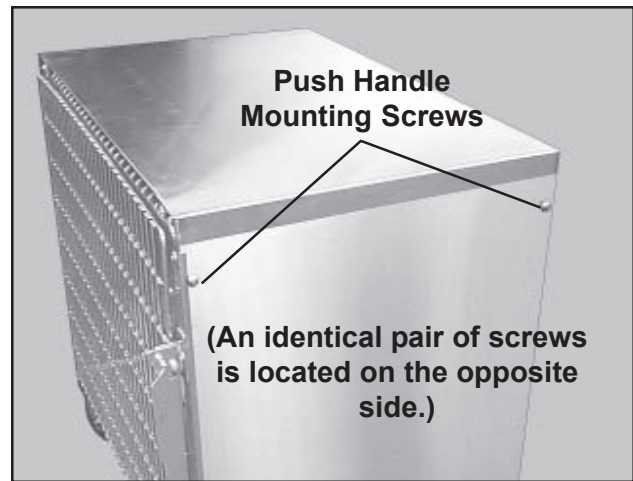


Figure 2. Push Handle Mounting Screws

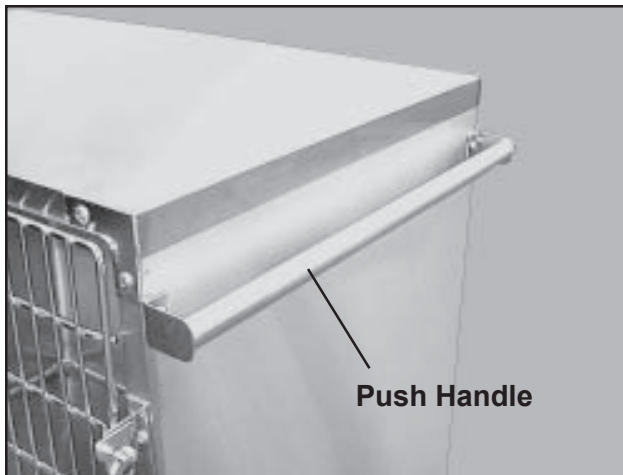


Figure 3. Push Handle Mounted on Cage

Procedure

1. Lift up on the latch connector and open the cage door (Figure 1).
2. Untape the wrapped push handle from the cage door and remove the wrapping.
3. With a Phillips screwdriver, remove the two screws on the end of the cage on which you want to mount the handle (Figure 2). **Note:** The push handle can be mounted on either end of the cage.
4. With the same two screws, mount the handle to the transport cage (Figure 3).

Assembly is complete. Your SSCI Regal Standard Transport Cage is now ready for use.

Transport Cage with Therapy Door

The Transport Cage with the Therapy Door is shipped almost fully assembled with the door and the four casters in place.

Final assembly includes:

- Attaching the push handle
- Mounting the ice tray
- Installing the nebulizer
- Connecting to an oxygen supply

Note: An additional push handle can be ordered to mount on the opposite end of the cage for greater convenience (refer to *Accessories* on Page 3).

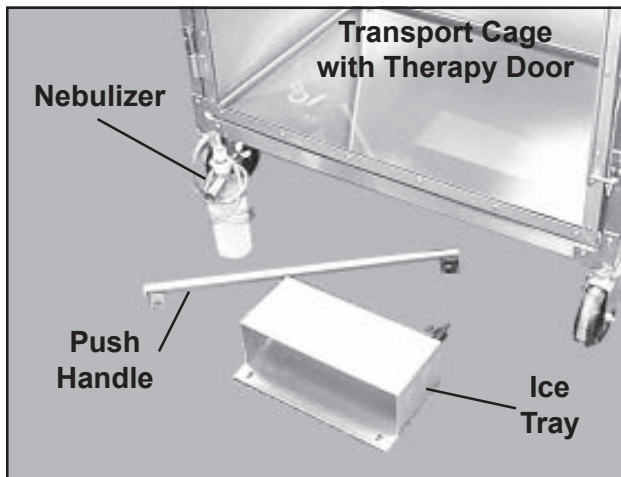


Figure 4. Transport Cage with Therapy Door - Parts Supplied

Parts Included

The following parts are included in the shipment (Figure 4):

- Transport Cage with Therapy Door (complete)
- Push handle*
- Ice tray*
- Nebulizer*

* Wrapped and shipped inside the cage

Tools Required

- Phillips screwdriver
- Needle-nose pliers

Procedure

1. Lift up on the latch connector and open the cage door (Figure 1).
2. Remove the push handle, ice tray, and nebulizer from the cage, and remove their wrappings.
3. With a Phillips screwdriver, remove the two screws on the end of the cage on which you want to mount the handle (Figure 2). **Note:** The push handle can be mounted on either end of the cage.
4. With the same two screws, mount the handle to the transport cage (Figure 3).

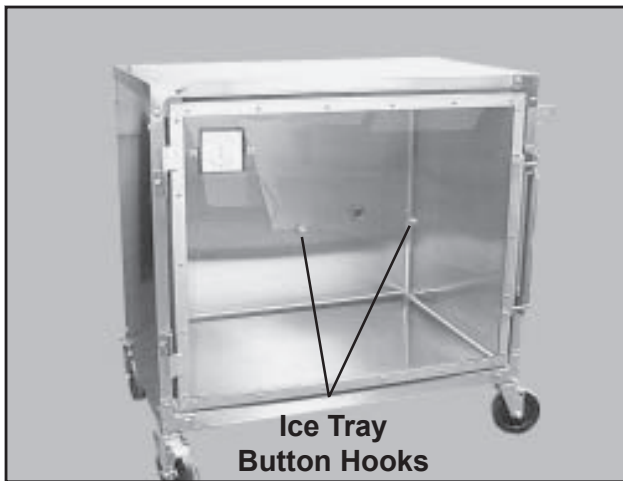


Figure 5. Ice Tray Button Hooks on the Therapy Door



Figure 6. Ice Tray in Place

5. Hang the ice tray on the button hooks provided on the door (Figures 5 and 6).
6. On the nebulizer extension, use a needle-nose pliers to squeeze the ends of the cotter pin together and remove pin from the extension (Figure 7).
7. Open the cage door.
8. Place the nebulizer in the ice tray with the extension through the opening in the door (Figures 7 and 8).
9. Inside the door, replace the cotter pin into the holes in the extension to hold the nebulizer in place, and spread the cotter pin ends apart to keep the pin from falling out.
10. Attach the free end of the nebulizer plastic tubing to a 50 psi wall oxygen outlet or an oxygen cylinder.
Note: Your oxygen supplier is the best source to make these connections for you.

Assembly is complete. Your SSCI Regal Transport Cage with Therapy Door is now ready for use.

Warning: Oxygen is a highly combustible gas. Avoid the use of open flames, smoking materials, or equipment capable of producing sparks in any area in which oxygen is being used.

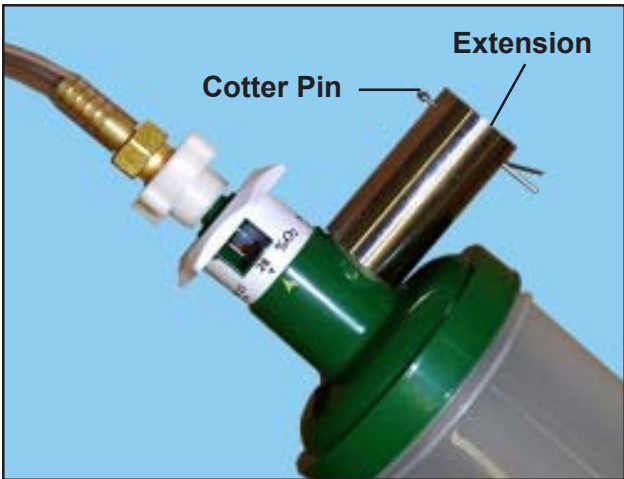


Figure 7. Nebulizer

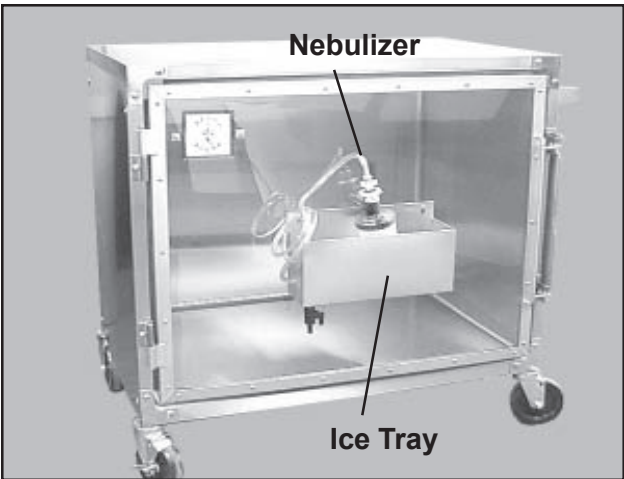


Figure 8. Nebulizer in Place in Ice Tray

Disposition of the Shipping Carton

The shipping carton can be cut up and thrown away. If adequate space is available, however, it might be handy to retain the carton in case reshipment of the cage to the manufacturer for repairs ever becomes necessary.

Chapter 3 - Use and Care

Using Your Transport Cage

The information on *Pages 13 and 14* refers to all Regal Transport Cage models. Refer to *Oxygen Therapy Door Owner's Manual* for information pertaining only to Transport Cages with Therapy Doors.

Opening the Door

Lift up on the latch connector and pull the door open (Figure 9).

Note: The door latching mechanism is the same for both the Standard and Therapy Door Models.

Closing and Locking the Door

The door is held closed by a self-actuating latch connector. When you close the door, the latch connector rides up and over the door pins and then drops down, automatically locking the door (Figure 9).

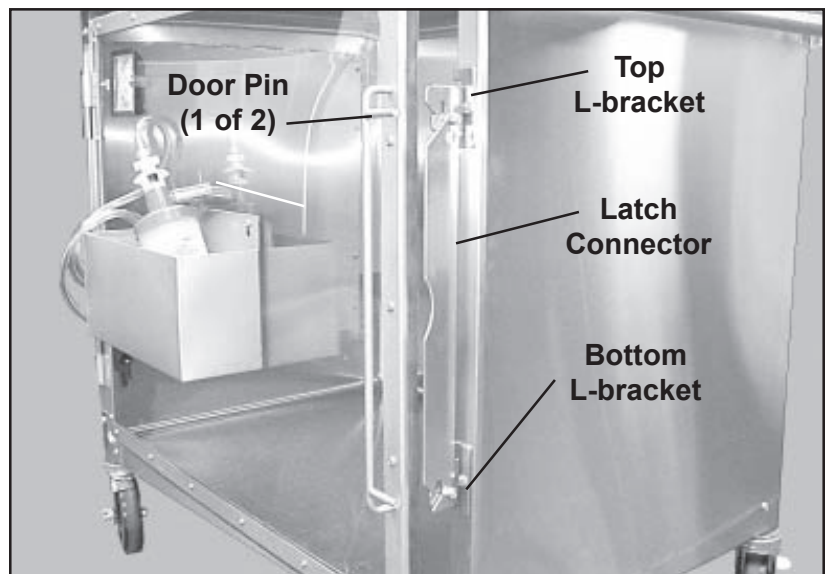


Figure 9. Latch Connector (same for all models)

Latch Adjustment

If you have difficulty in opening the door, or if it does not lock automatically when closed, the latch and/or door probably needs adjustment. To adjust the latch and/or the door, refer to *Latch Adjustment* on *Page 29*.

Reversing the Door Hinges (wire frame doors only)

All Regal Transport Cages come from the factory hinged on the left, and latched on the right. Wire frame doors are ambidextrous, however, and can be easily reversed to open the other way if desired (refer to *Reversing the Door Hinges* on *Page 32*). **Note:** Therapy doors cannot be reversed.

Locking the Cage

Provision is made to allow you to secure the cage with a padlock if necessary (Figure 10). A hole in the latch connector accepts any padlock with a hasp of 3/8 in. (9.5 mm) diameter or less. Merely close and latch the cage door, place hasp of the lock through the padlock hole, then snap the lock closed.



Figure 10. Padlock Hole

Moving the Cage

To move the cage, release the wheel brakes, push or pull the cage to its new location, and then engage the brakes again.

CAUTION: The wheel brakes should be engaged any time the cage is not actually being moved. Be especially careful when the cage is not on a level surface and may be free to roll uncontrolled.

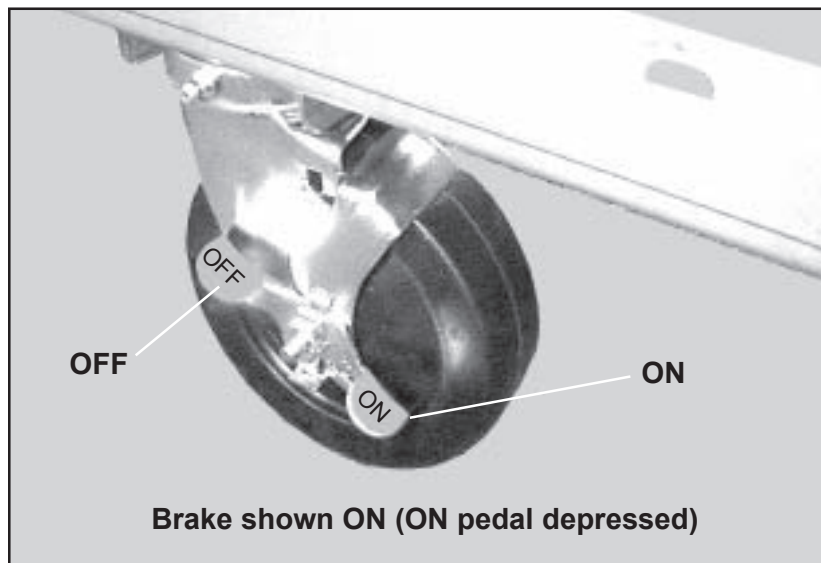


Figure 11. Wheel Brake ON/OFF Pedal

Using the Wheel Brakes

Brakes are mounted on two of the casters, on diagonally opposite corners of the cage. The words **ON** and **OFF** are stamped onto the ends of the brake lever (Figure 11). To engage the wheel brake, step down on the end of the brake lever marked **ON**. To release the brake, step down on the end marked **OFF**.

CAUTION: The wheel brakes should be engaged any time the cage is not actually being moved. Be especially careful when the cage is not on a level surface and may be free to roll uncontrolled.

Keeping Your Regal Transport Cage Clean

Introduction

You will no doubt want to clean your Regal Transport Cage frequently. Maintaining high standards of sanitation will be an important priority for your facility. Refer to *Care and Cleaning of Stainless Steel* on Page 4 for more detailed information.

For information on cleaning the various components of the therapy door, refer to the *Oxygen Therapy Door Owner's Manual*.

Stainless Steel Cleaning Procedures

Whenever necessary, rinse the transport cage with clear water and dry thoroughly with clean, soft cloths.

Ordinary deposits of waste and fluids can usually be removed with soap and water. Stubborn deposits may require scrubbing with “stainless steel” wool, nylon, or plastic scrubbers and/or the use of commercial cleaning products. Always scrub in the direction of the “grain” of the metal. Rinse with clear water and dry thoroughly with clean, soft cloths.

Minor scale build-up and some hard water spotting may be removed by washing with vinegar, followed by a neutralizing rinse of clear water and a thorough drying with clean, soft cloths.

If especially rough cleaning is necessary, use “stainless steel” wool, nylon, or plastic scrubbers. Test these scrubbers in an inconspicuous area first to be sure they do not mar or scratch the stainless steel finish.

For heavy deposits of scale, 5% oxalic acid (use warm), 5-15% sulfamic acid, or 5-10% phosphoric acid may be used. As always, rinse with clear water and dry thoroughly with clean soft cloths.

Avoid prolonged use of chlorides (such as chlorine bleach), bromides, iodides, and thiocyanates. Never allow salty solutions to dry on the stainless steel.

CAUTION: The warranty for this product is void if the care and cleaning instructions provided in this manual are not followed.

Routine Maintenance

The only routine maintenance required on Regal Transport Cages is the semiannual inspection and lubrication of the casters (refer to *Care of Wheel/Caster Assemblies* on Page 34).

Chapter 4 - Maintenance and Repairs

Replacement Parts

Table 2 lists replacement parts available for the Regal Transport Cages. For parts not listed, contact SSCI Customer Service at (800) 323-7366. Refer to *Parts Ordering Procedure* on Page 20.

Part Name	SSCI Part Number	Found on:		Qty.	Refer to:
		Standard	Therapy Door		
Push Handle	201483	X	X	1 or 2	Page 21
Hinge Pin	450006	X	X	2	Page 22
Wire Frame Door	209798 (36" W) 209800 (48" W)	X		1	Page 23
Therapy Door., Complete	12155-00-EPFNAA (36" W) 12155-00-EPHJAA (48" W)		X	1	Page 23
Door Hinge	615552	X	X	2	Page 24
Latch Connector	611078	X	X	1	Page 25
L-Bracket	615394	X	X	2	Page 26
Corner Top Plate	12100-CT-AAAAAA	X	X	2	Page 27
Corner Bottom Plate	12100-CB-AAAAAA	X	X	2	Page 27
Caster (no brake)	C008-21081110-FNF00	X	X	2	Page 28
Caster, w/brake	C008-21081111-FNF00	X	X	2	Page 28

Table 2. Regal Transport Cages - Replacement Parts

General Information

- Many of the threaded fasteners used on SSCI products are secured with thread adhesive to insure structural integrity. Removing any screw or bolt may be difficult at first.
- During disassembly, retain all hardware items such as screws, nuts, lockwashers, etc. for reassembly.
- If you have problems with any procedure, please feel to call SSCI Customer Service at (800) 323-7366.

Parts Ordering Procedure

Order new equipment, accessories, and/or replacement parts directly through SSCI Customer Service. You can order by mail, telephone, or fax. Refer to *SSCI Contact Information* on *Page 6* for address, telephone, and fax numbers. When ordering, please provide the following information:

- Your name
- Company name
- Company account number
- Telephone number
- Fax number
- e-mail address
- Shipping address
- Billing address (if different from shipping address)
- Names, part numbers, and quantities of items being ordered
- Credit card number and expiration date, or other payment information
- Preferred method of shipment
- Information on whether the items are required on a normal or urgent basis

Parts Replacement Procedures

The following sections guide you in replacing worn, damaged, or missing parts on a Regal Transport Cage.

Push Handle P/N 201483

A Regal Transport Cage (all models) can have a push handle on either side, or on both sides. All push handles are removed and installed the same way.

Tool Required

- Phillips screwdriver

Procedure

1. With a Phillips screwdriver, remove both handle mounting screws (Figure 12), and lift off the handle.
2. Using the same mounting screws, mount the new handle to the cage.

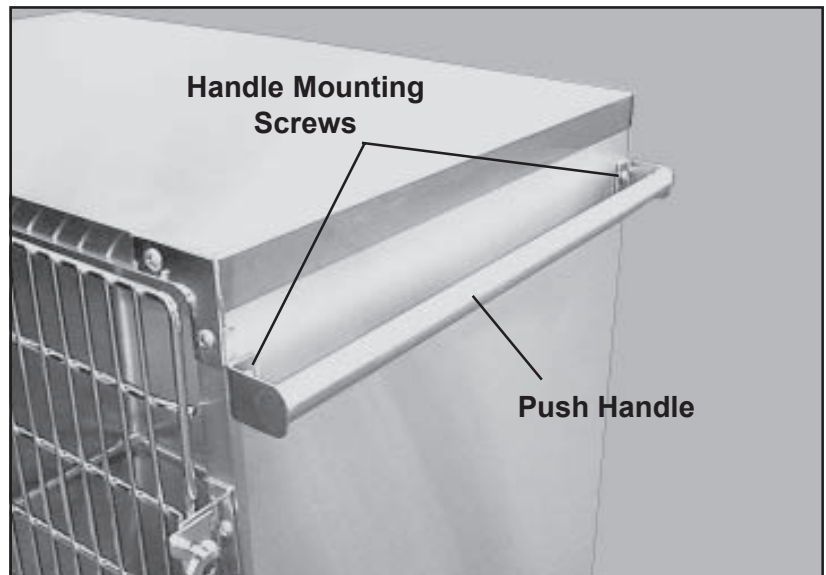


Figure 12. Push Handle Mounted on Cage

Hinge Pin P/N 450006

Hinges on all Regal Transport Cages are removed and installed in the same way.

Tools Required

- Punch (1/4 in. dia. max.)
- Small hammer or mallet

Procedure

1. Use a punch and a small hammer to drive the existing hinge pin upward, and out of the hinge (Figure 13).
2. Place the new hinge pin into the top of the hinge, flat end up, and gently drive it downward until it seats.
3. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Latch Adjustment* on Page 29.

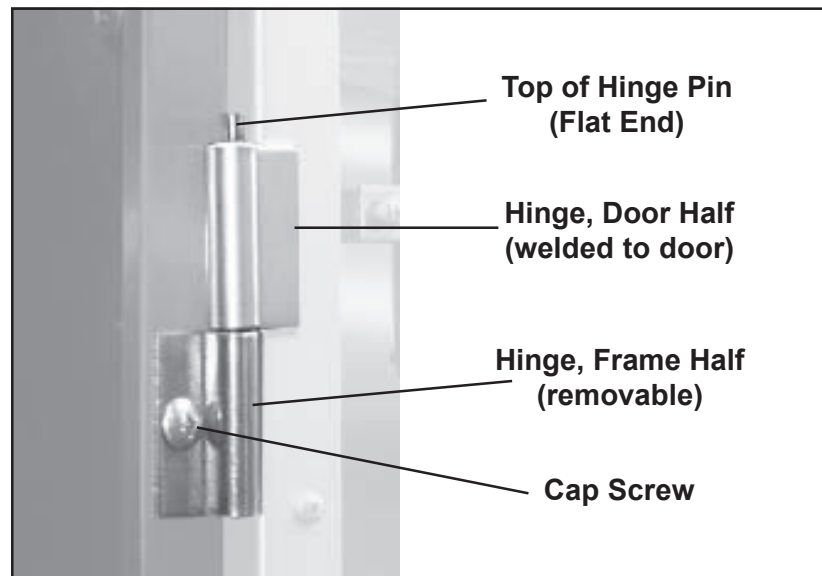


Figure 13. Door Hinge and Hinge Pin

Cage Door

Wire Frame Door
36 in. - P/N 209798
48 in. - P/N 209800

Therapy Door
36 in. - 12155-00-EPFNAA
48 in. - 12155-00-EPHJAA

All Regal Transport Cage doors, regardless of size or type, are removed and installed in the same way. The instructions below apply to both wire frame doors and therapy doors.

Tools Required

- Punch (1/4 in. dia. max.)
- Small hammer or mallet

Procedure

1. If there are any accessories on the cage door (card holders, food and water bowls, ice trays, etc.) remove them from the door.
2. If it is a therapy door, remove the nebulizer and the ice tray.
3. Make sure the door is not latched.
4. With a punch and a small hammer, drive both hinge pins upward, and out of the hinges (Figure 13).
5. Remove the door from the cage.
6. Place the new door in position on both hinges.
7. Place the hinge pins into the tops of the hinges, flat end up, and gently drive them downward until they seat.
8. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Latch Adjustment* on Page 29.
9. If it is a therapy door, replace the ice tray and nebulizer.
10. Replace any needed accessories on the door.

Door Hinge
P/N 615552

All Regal Transport Cage door hinges, regardless of the size or type of door, are removed and installed in the same way. These instructions tell you how to replace the half of the hinge that is mounted on the cage frame. The half of the hinge that is mounted on the door is welded in place and, if damaged, can only be replaced by replacing the complete door assembly.

Tools Required

- Punch (1/4 in. dia. max.)
- Small hammer or mallet
- Phillips screwdriver

Procedure

1. Remove the door from the cage (refer to *Cage Door - Procedure, Steps 1 through 5, on Page 23*).
2. Remove the cap screw (Figure 13) that holds the hinge in place, and remove the hinge.
3. Mount the new hinge in place with the screw you removed in *Step 2*.
4. Replace the door onto the cage (refer to *Cage Door - Procedure, Steps 6 through 10, on Page 23*).

Latch Connector
P/N 611078

All Regal Transport Cage latch connectors, regardless of the size or type of door, are removed and installed in the same way.

Tools Required

- Phillips screwdriver
- 7/16 in. wrench

Procedure

1. Unlatch the cage door and swing it fully open.

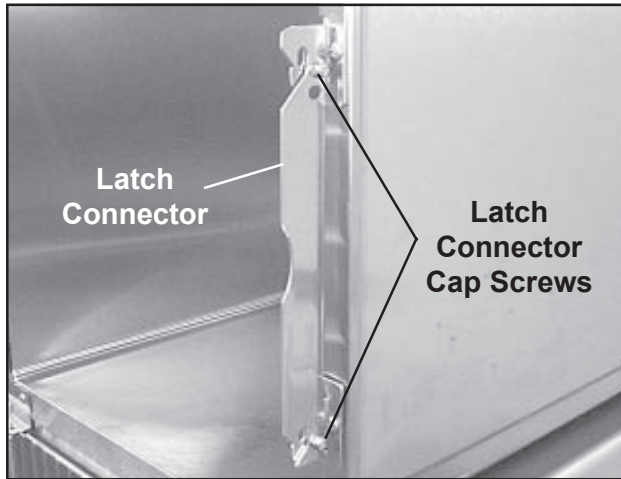


Figure 14. Removing the Latch Connector

2. With a Phillips screwdriver and a 7/16 in. wrench, remove the two cap screws and nuts that hold the latch connector to the L-brackets (Figure 14), and remove the latch connector.

3. Install the new latch connector to the two L-brackets and secure with the cap screws and nuts. Orient the latch connector as in Figures 14 and 15.

Note: Leave the screws/nuts a little loose so that the latch connector can move up and down freely. Only about 1/8 in. of the cap screw should show through the nut.

4. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Latch Adjustment* on Page 29.

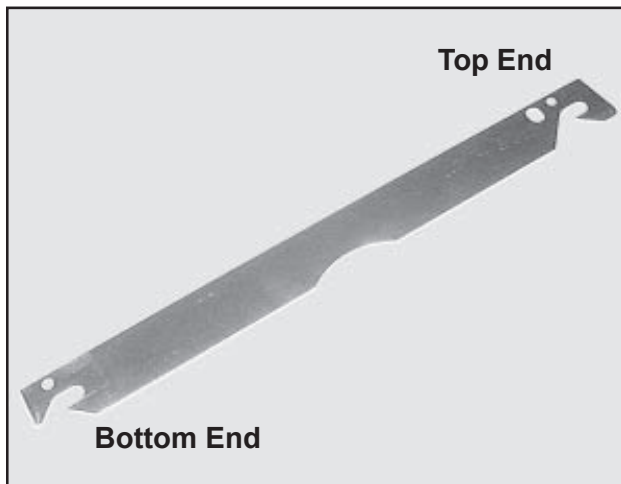


Figure 15. Latch Connector

L-Bracket P/N 615394

There are two L-brackets on each Regal Transport Cage. The L-brackets may be mounted on either side of the cage. All Regal Transport Cage L-brackets, regardless of the size or type of door, are removed and installed in the same way.

Tools Required

- Phillips screwdriver
- 7/16 in. wrench

Procedure

1. Unlatch the cage door and swing it fully open.

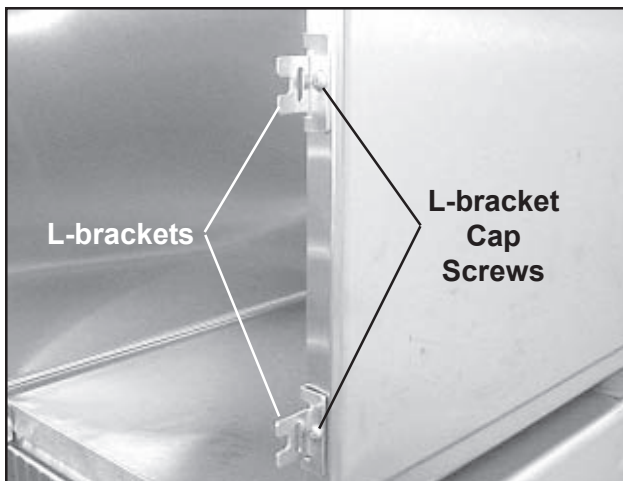


Figure 16. Removing the L-brackets

2. With a Phillips screwdriver and a 7/16 in. wrench, remove the two cap screws and nuts that hold the latch connector to the L-brackets (Figure 14), and remove the latch connector.
3. With a Phillips screwdriver, remove the cap screw that holds the L-bracket in place, and remove the L-bracket (Figure 16).
4. With the cap screw you removed in *Step 3*, mount the new L-bracket to the cage.
5. Install the latch connector to the two new L-brackets and secure with the cap screws and nuts. Orient the latch connector as in Figures 14 and 15.
Note: Don't tighten the screws/nuts so far that the latch connector cannot move up and down freely. The end of the cap screw should be flush with the top of the nut.
6. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Latch Adjustment* on *Page 29*.

Corner Plate

Corner Top Plate
P/N 12100-CT-AAAAAA

Corner Bottom Plate
P/N 12100-CB-AAAAAA

All Regal Transport Cages, regardless of size or type, have two corner top plates and two corner bottom plates (Figure 17). All top plates are the same, and all bottom plates are the same.

Note: Top and bottom corner plates look similar but they are *not the same and should not be interchanged*. All corner plates are removed and installed in the same way.

Tool Required

- Phillips screwdriver

Procedure

1. With a Phillips screwdriver, remove the two cap screws holding the corner plate to the cage and remove the plate (Figure 18).
2. Hold the new plate in place and secure with the cap screws removed above.

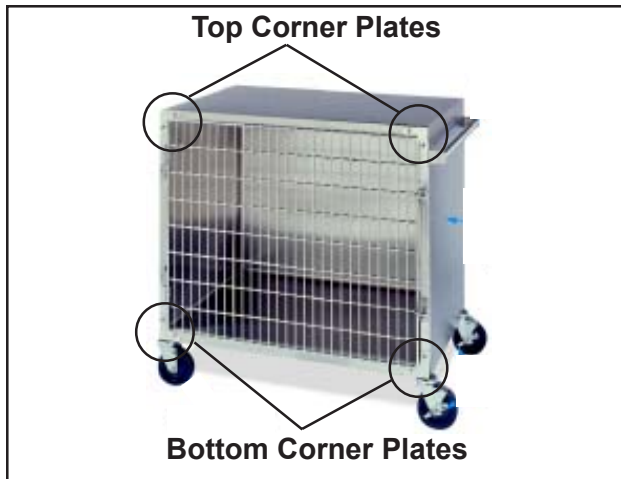


Figure 17. Top and Bottom Corner Plates

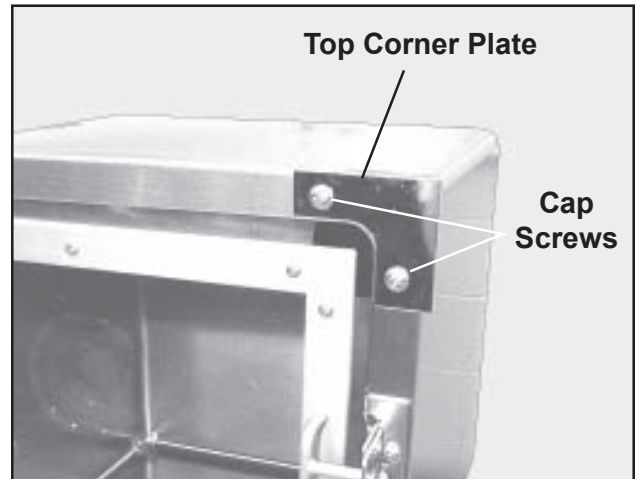


Figure 18. Typical Top Corner Plate

Caster

**Casters without brakes -
P/N C008-21081110-FNF00**

**Casters with brakes -
P/N C008-21081111-FNF00**

Each Regal Transport Cage has four casters: two with brakes, and two without. The instructions below apply to all casters, both with and without brakes. **Note:** Remember that the casters with the brakes should go on diagonally opposite corners (for example: left-rear and right-front).

Tool Required

- 3/4 in. open-end wrench

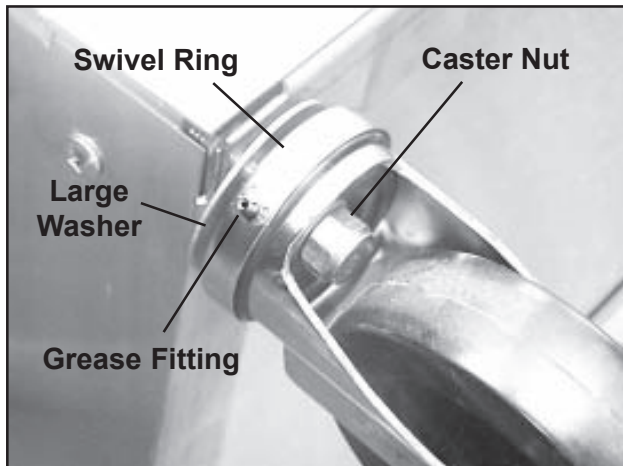


Figure 19. Caster (partially unscrewed)

Procedure

CAUTION: The transport cage is heavy. Laying it down on its side should be done by at least two people.

1. Lay the table on one side so that the wheel/caster assembly being replaced is on top.
2. With a 3/4 in. open-end wrench, unscrew the caster nut two or three full turns (Figure 19).
3. Grasp the swivel ring (with the grease fitting), and continue to unscrew the assembly until it comes free.
Note: Do not lose the large washer.
4. Place the large washer over the threaded screw on top the new caster.
5. Turning the swivel ring, thread the caster into the bottom of the cage until it is snug.
6. Use the wrench to tighten the caster firmly up against the cage bottom. **Note:** If possible, try to keep the grease fitting pointing outward to facilitate lubricating the caster.
7. Make sure that the caster is screwed fully into the cage bottom. **Note:** If all casters are not screwed in fully, the cage will wobble when being pushed, and will tilt back-and-forth when the animal moves around inside.
8. Return the cage to the upright position.

Latch Adjustment

If the latch connector and door are not properly adjusted, you may have difficulty in opening the door, and/or it may not lock automatically when closed. You can make the following adjustments to correct the door action.

Checking the Latch Connector Cap Screw/Nuts

First, check the latch connector cap screws/nuts for proper tightness. If the cap screws/nuts are too tight, it will prevent free movement of the latch connector.

Tools Required

- 7/16 in. wrench
- Phillips screwdriver

Procedure

1. Try moving the latch connector up and down. It should move freely.
2. If it does not, unscrew both latch connector cap screws slightly out of the nuts. Only about 1/8 in. of the cap screw should show through the nut.
3. Close and open the door again, and repeat the adjustment, if necessary, until the latch mechanism works smoothly.

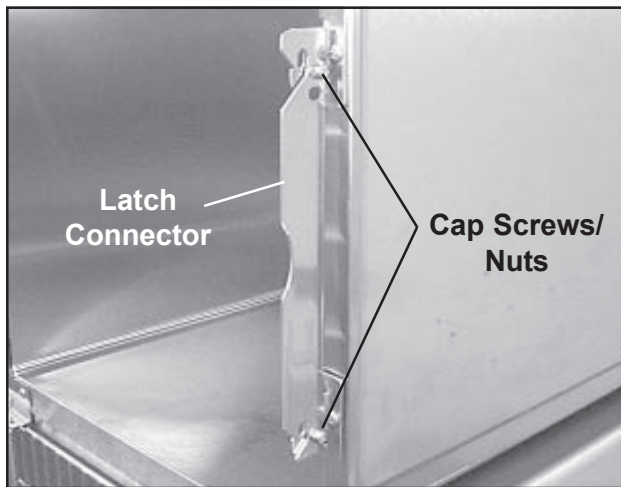


Figure 20. Removing the Latch Connector

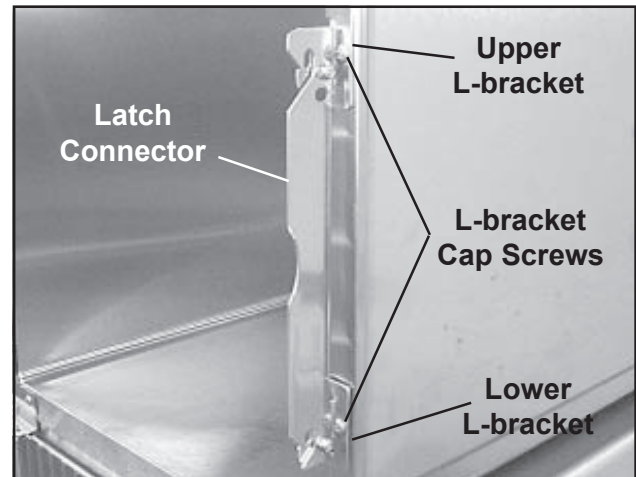


Figure 21. L-bracket Adjustment (single-door cages)

Adjusting the L-Brackets

If the latch connector moves freely, try adjusting the L-brackets on the latch connector.

Tool Required

- Phillips screwdriver

Procedure

1. Open the cage door.
2. Slightly loosen the cap screws on the upper and lower L-brackets (Figure 21).
3. Move the L-brackets (and latch connector) up or down slightly as needed.
4. Tighten the cap screws.
5. Close and open the door again, and repeat the adjustment, if necessary, until the latch mechanism works smoothly.

Straightening a Deformed Wire Frame Door

CAUTION: Perform this adjustment on wire frame doors only, NEVER on therapy doors.

If a wire frame door will still not open or latch properly, it is possible that it has been deformed in some way.

Tool Required

- Tape measure
- Punch (1/4 in. dia. max.)
- Small hammer or mallet

Procedure

1. Measure the door diagonally from upper-right to lower-left (Figure 22) and record the dimension. Then, measure it again from upper-left to lower-right and record that dimension.
2. Compare the two measurements - they should be identical. If they are more than a tiny fraction different, the door has been deformed. Continue on to *Step 3* to straighten the door.
3. Remove the door from the cage (refer to *Cage Door - Procedure, Steps 1 through 5 on Page 23*).
4. Hold the door by one of the corners of the longer dimension.
5. Rap the diagonally opposite corner of the door once, lightly on the floor. **Note:** You do not have to use great force; just one gentle rap is usually sufficient.

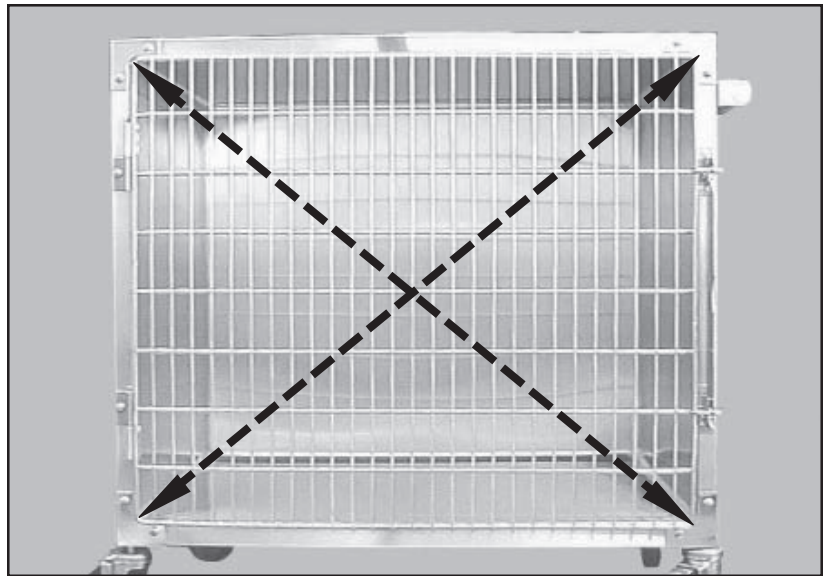


Figure 22. Measuring the Door for Deformation

6. Remeasure the door and repeat the process until both dimensions are the same.
7. When the door is correct, remount the door onto the cage (refer to *Cage Door - Procedure, Steps 6 through 10 on Page 23*).
8. Open and close the door several times to make sure it opens, swings, and latches easily.

Reversing the Door Hinges (wire frame doors only)

All Regal Transport Cages come from the factory hinged on the left and latched on the right. Wire frame doors are ambidextrous, however, and can be easily reversed to open the other way if desired. **Note:** Do not perform this procedure on therapy doors.

Tools Required

- Phillips screwdriver
- 7/16 in. wrench
- Punch (1/4 in. dia. max.)
- Small hammer or mallet

Procedure

1. With a punch and a small hammer, remove both hinge pins from the cage door (Figures 23 and 24).
2. Remove the door from the cage (refer to *Cage Door - Procedure, Steps 1 through 5 on Page 23*).

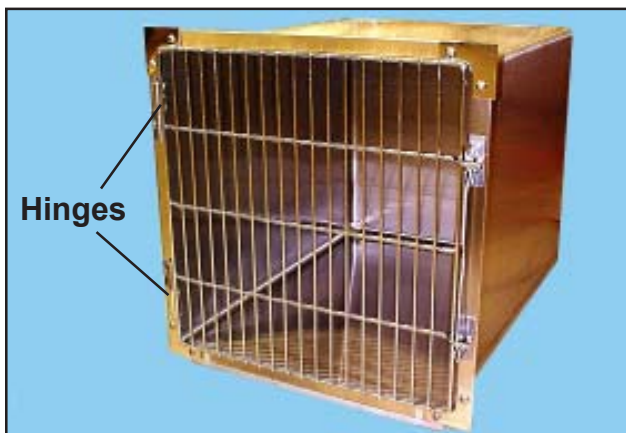


Figure 23. Hinges on a Regal Cage

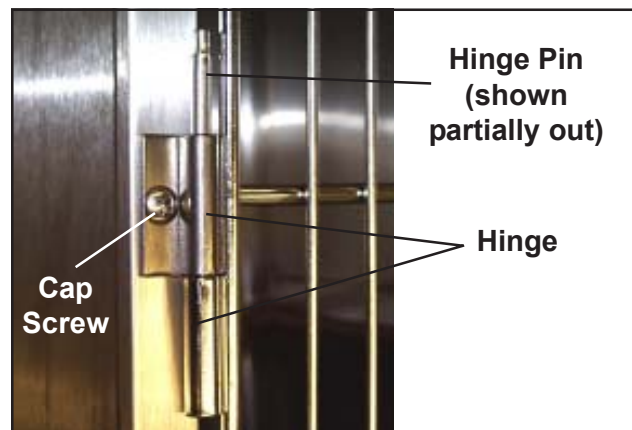


Figure 24. Door Hinge and Hinge Pin

3. With a Phillips screwdriver, remove the cap screws that hold the hinges to the cage, and remove the hinges (Figure 24).
4. With a Phillips screwdriver and a 7/16 in. wrench, remove the cap screws that hold the latch connector to the L-brackets, and remove the latch connector from the cage (Figure 25).
5. With a Phillips screwdriver, remove the cap screws that hold the L-brackets to the cage, and remove the L-brackets (Figure 26).

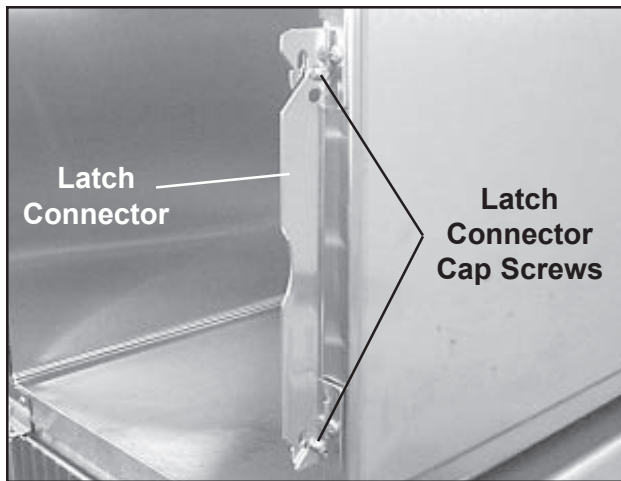


Figure 25. Removing the Latch Connector

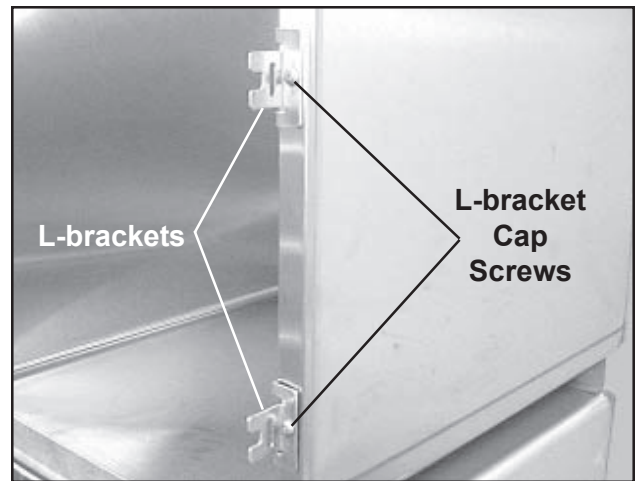


Figure 26. Removing the L-brackets

6. Reverse the L-brackets and mount them to the holes on the other side of the cage from which the hinges were removed.

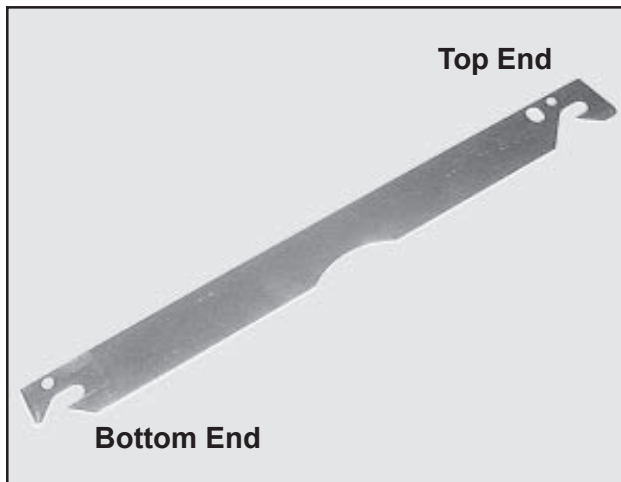


Figure 27. Latch Connector

7. The ends of the latch connector are different (Figure 27). With the top end up, mount the latch connector to the L-brackets and secure it with the screws removed earlier. **Note:** The latch connector should be mounted outboard of the L-brackets (away from the center of the cage).
8. Mount the hinges to the holes from which the L-brackets were removed.
9. Reverse the door and rehang it on the hinges.

10. Insert the hinge pins (flat ends up).
11. Try operating the latch connector to open and close the door. It should operate smoothly and should lock automatically as the door closes. If not, refer to *Latch Adjustment* on Page 29.

Care of Wheel/Caster Assemblies

Overview

The wheel/caster assemblies on the transport cages were selected by SSCI for high durability and long life. Two of the casters on each transport cage are equipped with brakes. Users are responsible for the proper operation, care, and maintenance of their equipment. Equipment can become damaged and unsafe if abused or subjected to improper demands. If your equipment is regularly maintained and never abused, you will get the maximum safety and service from your casters.

- Never overload the transport cage.
- Do not drop heavy loads on the transport cage.
- Do not use the transport cage at high speeds.

The above conditions can create severe impact and shock loads on your transport cage and may result in caster, wheel, or equipment failure.

Inspection

Equipment Frames and Fasteners

Periodically examine the transport cage and check the following:

- Look for broken welds on the transport cage.
- Tighten any loose nuts and bolts.
- Look for distortion of the cage caused by overload and impacts. Distorted cages can lead to wheel failure by placing disproportionate loads on one or two casters.
- Make sure the casters are not bent and the mounting bolts are securely fastened.

Casters

Check the swivel assembly on each caster for excessive play due to wear. If the swivel is loose, replace the caster. If the swivel does not turn freely, check for corrosion or dirt binding the raceways. Make sure the swivel nut and wheel axle nuts are tight. If a caster is not operating properly, disassemble, clean, and lubricate it. If this does not fix the problem, replace the assembly (refer to *Caster* on *Page 28*).

Wheels

Check each wheel for excessive or uneven tread wear, or badly worn or “chunked out” rubber tires. Such conditions can cause erratic steering, bumping, load shifting, and damage to floors. If a wheel binds and no longer rolls freely, or if flat spots appear on the tire, carefully inspect the wheel/caster assembly for damage or accumulated foreign matter (dirt, string, animal hair, etc.). If necessary, replace the assembly (refer to *Caster* on *Page 28*).

Brakes

Check brakes for proper operation. Apply brakes one at a time and attempt to move the equipment to make sure that each brake is not slipping or loose.

If brakes slip due to worn or damaged wheels, replace the wheels immediately and retest the brakes. If the brake mechanism itself is not operating properly, repair or replace it. Before returning the equipment to use, always retest the brakes.

Lubrication

Caster and wheel lubrication is essential. The lubrication schedule depends on your specific application. Normal conditions warrant lubrication every six months, however, for wet or corrosive applications, monthly lubrication may be necessary.

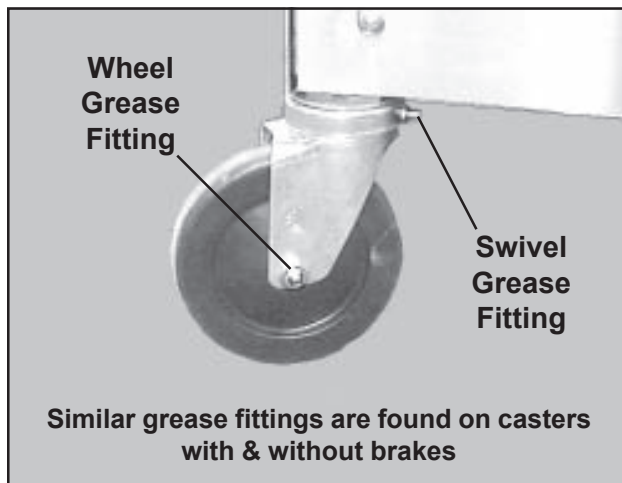


Figure 28. Wheel/Caster Assembly Grease Fittings

Lubrication may also be required after each piece of equipment is washed. Special high-temperature, water-resistant lubricants may be used for these applications. If necessary, SSCI can provide stainless steel casters that require less maintenance.

Two wheel/caster assemblies have two grease fittings (Figure 28), one for the wheel and one for the swivel. Use enough grease to fill the bearing, but not so much that it oozes out of the grease seal. After applying the grease, turn the wheel or swivel several times in both directions to distribute the grease evenly.

Recommended Lubricants

SSCI recommends that you use either of the following greases when lubricating your transport cage casters:

- Citgo EP-1
- Exxon Beacon EP 1

Based on available information, these products are not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheets (MSDS) are followed. MSDS's are available via the Internet.

Power Towed Operation

Power drawn equipment such as in a tow line or mechanically moved by conveyor will require casters, wheels, and bearings specifically designed for this use. Please consult the factory for caster recommendations of each specific towing or power drawn equipment application.

Chapter 5 - Troubleshooting

General

The following procedures will help you fix most of the problems that you might encounter with your Regal Transport Cage. For problems relating to the therapy door, refer to the *Oxygen Therapy Door Owner's Manual*.

If necessary, please feel free to call SSCI Customer Service at (800) 323-7366. Our experienced technical support personnel will be glad to help you.

For more information on contacting SSCI, refer to *Contact Information* on Page 6.

Part numbers for available replacement parts are shown on Page 19. To order replacement parts, refer to *Parts Ordering Procedure* on Page 20.

Possible problems are listed below along with their page references.

If your Regal Transport Cage must be returned to SSCI for repairs, refer to *Returning the Transport Cage for Repairs* on Page 38 for directions.

- **The cage door does not close or latch correctly.** ----- Page 39
- **The cage does not roll freely.** ----- Page 40
- **The cage rolls even when the brakes are on.** ----- Page 41

Returning the Transport Cage for Repairs

RMA Numbers

If your transport cage should require return to SSCI for repairs, discuss the problem with one of our Customer Service Representatives. Obtain an RMA number (Return Merchandise Authorization) from them before shipping the unit back.

Note: SSCI will *not* accept merchandise returned without an RMA number.

Packing and Shipment

If you were able to keep the cage shipping carton, repack the cage into the carton and staple or tape the cover securely in place.

If the shipping carton is not available, package the cage securely in a suitable container. Ship documentation with the cage including:

- Destination
- RMA Number
- Your name, company and address
- Your telephone number
- A description of the reason for returning the cage

The door does not close or latch correctly.

Remedial Action

First: The latch mechanism probably needs adjustment. Refer to *Latch Adjustment* on *Page 29*.

Second: If your problem cannot be cured by any of the above adjustments, check the following cage components for damage:

- Cage door
Refer to *Page 19* for replacement part number. Refer to *Cage Door* on *Page 23* for replacement instructions.
- L-brackets
For replacement parts, order P/N 615394. Refer to *L-bracket* on *Page 26* for replacement instructions.
- Latch connector
For a replacement part, order P/N 611078 . Refer to *Latch Connector* on *Page 25* for replacement instructions.
- Door Hinges
For replacement parts, order P/N 615552. Refer to *Door Hinge* on *Page 24* for replacement instructions.
- Hinge Pins
For replacement parts, order P/N 450006. Refer to *Hinge Pin* on *Page 22* for replacement instructions.

The cage does not roll freely.

Remedial Action

First: You may just have a caster brake locked. Check the two casters with brakes to make sure the **OFF** side of the brake lever is down. Refer to *Using the Wheel Brakes* on Page 15.

Second: Refer to *Care of Wheel/Caster Assemblies* on Page 34 for a complete discussion on caster problems. Check all casters for condition. Are they dirty, wobbly, badly bent or in any way damaged? Have they been lubricated in the last six months?

Animal hair, thread and other materials can accumulate in the wheel bushing and prevent the wheel from turning freely. If substantial foreign matter is visible, disassemble the caster assembly, clean it thoroughly, reassemble and lubricate it. Refer to *Care of Wheel/Caster Assemblies* on Page 34.

If a caster is heavily rammed into a solid object, it can be bent in such a way as to jam the ball bearings. If this is the case, the caster will be unable to align itself with the table's direction of movement and will have to be replaced.

If a caster assembly is damaged or showing excess wear, replace it. Refer to Page 19 for the replacement part number. Refer to *Caster* on Page 28 for replacement instructions.

The cage rolls even when the brakes are on.

Remedial Action

First: Make sure the **ON** sides of the brake levers on the front casters are fully depressed. Refer to *Using the Wheel Brakes* on *Page 15*.

Second: Refer to *Care of Wheel/Caster Assemblies* on *Page 34* for a complete discussion on caster problems. Check all casters for condition. Are they dirty, wobbly, badly bent or in any way damaged? Have they been lubricated in the last six months?

Animal hair, thread and other materials can accumulate in the wheel bushing and prevent the wheel from turning freely. If substantial foreign matter is visible, disassemble the caster assembly, clean it thoroughly, reassemble and lubricate it. Refer to *Care of Wheel/Caster Assemblies* on *Page 34*.

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***For more information on SSCI's fine line of products
and accessories, talk to your SSCI sales representative.***



Suburban Surgical Company, Inc.

275 Twelfth Street

Phone: (847) 537-9320

Toll Free: (800) 323-7366

Wheeling, IL 60090

Fax: (847) 537-9061

Web: www.suburbansurgical.com