



## Aristocrat Laminated Cages

- *Attractive, durable, economical*
- *Your choice of laminate colors*
- *Combine to form dozens of arrangements*
- *Welded, stainless steel doors and latches*

### New Model Numbers:

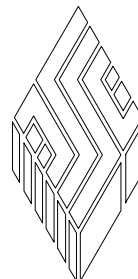
14000-00-CTCTEI-\_\_\_\_, 14000-00-CTDREI-\_\_\_\_, 14000-00-DRCTEI-\_\_\_\_, 14000-00-DRDREI-\_\_\_\_,  
14000-00-DREPEI-\_\_\_\_, 14000-00-DRFNEI-\_\_\_\_, 14001-00-DRHJEI-\_\_\_\_, 14000-00-EPDREI-\_\_\_\_,  
14000-00-EPEPEI-\_\_\_\_, 14000-00-EPFNEI-\_\_\_\_, 14000-00-EPGLEI-\_\_\_\_, 14000-00-EPHJEI-\_\_\_\_,  
14001-00-EPHJEI-\_\_\_\_, 14000-00-FNDREI-\_\_\_\_, 14000-00-FNEPEI-\_\_\_\_, 14000-00-FNFNEI-\_\_\_\_,  
14000-00-FNGLEI-\_\_\_\_, 14000-00-FNHJEI-\_\_\_\_, 14001-00-FNHJEI-\_\_\_\_, 14001-00-FNJFEI-\_\_\_\_,  
14001-00-FNLBEI-\_\_\_\_

14002-00-CTCTEI-\_\_\_\_, 14002-00-CTDREI-\_\_\_\_, 14002-00-DRCTEI-\_\_\_\_, 14002-00-DRDREI-\_\_\_\_,  
14002-00-DREPEI-\_\_\_\_, 14002-00-DRFNEI-\_\_\_\_, 14003-00-DRHJEI-\_\_\_\_, 14002-00-EPDREI-\_\_\_\_,  
14002-00-EPEPEI-\_\_\_\_, 14002-00-EPFNEI-\_\_\_\_, 14002-00-EPGLEI-\_\_\_\_, 14002-00-EPHJEI-\_\_\_\_,  
14003-00-EPHJEI-\_\_\_\_, 14002-00-FNDREI-\_\_\_\_, 14002-00-FNEPEI-\_\_\_\_, 14002-00-FNFNEI-\_\_\_\_,  
14002-00-FNGLEI-\_\_\_\_, 14002-00-FNHJEI-\_\_\_\_, 14003-00-FNHJEI-\_\_\_\_, 14003-00-FNJFEI-\_\_\_\_,  
14003-00-FNLBEI-\_\_\_\_

Note: "- \_\_\_\_" = 4-digit laminate color code

### Former Model Numbers:

Refer to Tables 1 and 2 on  
Pages 4 and 5.



# SSCI

Wheeling, IL (800) 323 7366

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Wheeling, Illinois 60090, USA

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# Chapter 1 - General Information



## Introduction

SSCI's Aristocrat laminated cages are attractive, efficient, and economical alternatives to stainless steel cages. Aristocrat cages are made of specially-designed, water-resistant material and are interior-lined with high-pressure plastic laminate to form a superior moisture barrier. The stainless steel, electro-polished cage doors are welded at every intersection, and fit closely to the cage to protect the animals and minimize fluid leakage. The sturdy hinges can be mounted to either side of the cage for your convenience.

Aristocrat cages are available in a wide variety of sizes, with single or double-doors, and can be grouped into any of dozens of different arrangements to suit your facility's needs. Arrangements can easily be added to or reconfigured at any time. An extensive range of accessories, including resting shelves, corner cages, laminated toe-kick bases, stainless steel stationary and mobile bases, and many others, can be selected to tailor your cages to your exact requirements. SSCI provides expert design services to custom-fit your cages to your facility.

## 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 important information under the headings **Note:** and **CAUTION:**.

### Notes

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

**Example:**

The part number of the stainless steel base for all corner cages is 12118-00-DRDREI. **Note:** Mobile bases are not recommended for use on L-shaped arrangements.

### 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: Installing the Aristocrat cages is not difficult. The cages are heavy, however, and we recommend that unpacking and installation be done by at least two people.**

## 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](http://www.suburbansurgical.com)



## Aristocrat Cage Models

There are two versions of the Aristocrat cage and both are available with single or double-doors. On single-door cages, the self-latching locking mechanism can accommodate a padlock for enhanced security. All cage bodies measure 28.25 in. (71.75 cm) front to back. Overall, the cages measure 30.188 in. (76.68 cm) deep including latch. The versions are:

- Standard cage
- Full-view back cage

Notice that the part numbers for SSCI laminated items are followed by a hyphen and four digits. These four digits are the color code of the laminate selected by the customer. Refer to your current SSCI product catalog for further information.

### Standard Aristocrat Cages

Standard Aristocrat cages (Figure 1) have a door in front and a solid wall in back. Refer to Table 1 for dimensions and part numbers.

### Full-view Back Aristocrat Cages

Full-view back Aristocrat cages (Figure 2) have the standard door in front, but have a clear, polycarbonate back panel. This allows the animals to be seen from either side of the cage and is ideal for medical observation, or for facilities where animals are on view to the public. Refer to Table 2 for dimensions and part numbers.



Figure 1. Standard Aristocrat Cage



Figure 2. Full-view Back Aristocrat Cage

### Double-door Aristocrat Cages

Double-door cages are designed for easy use and enhanced animal comfort. Larger animals can be easily placed inside without having to maneuver around a center post. An optional stainless steel divider panel splits the cage into two smaller compartments, and can be quickly installed or removed as needed. Both standard and full-view back Aristocrat cages are available in double-door models. Double-doors are only available on 48 in., 60 in., or 72 in. wide cages.

New SSCI Part Number*	Former SSCI Part Number*	Doors	Cage Size (inches)	Cage Size (centimeters)
14000-00-CTCTEI-____	102140-1-____	Single	18 W x 18 H	45.72 W x 45.72 H
14000-00-CTDREI-____	102141-1-____	Single	24 W x 18 H	60.96 W x 45.72 H
14000-00-DRCTEI-____	102142-1-____	Single	18 W x 24 H	45.72 W x 60.96 H
14000-00-DRDREI-____	102143-1-____	Single	24 W x 24 H	60.96 W x 60.96 H
14000-00-DREPEI-____	102144-1-____	Single	30 W x 24 H	76.20 W x 60.96 H
14000-00-DRFNEI-____	102145-1-____	Single	36 W x 24 H	91.44 W x 60.96 H
14001-00-DRHJEI-____	102164-1-____	Double	48 W x 24 H	121.92 W x 60.96 H
14000-00-EPDREI-____	102146-1-____	Single	24 W x 30 H	60.96 W x 76.20 H
14000-00-EPEPEI-____	102147-1-____	Single	30 W x 30 H	76.20 W x 76.20 H
14000-00-EPFNEI-____	102148-1-____	Single	36 W x 30 H	91.44 W x 76.20 H
14000-00-EPGLEI-____	102149-1-____	Single	42 W x 30 H	106.68 W x 76.20 H
14000-00-EPHJEI-____	102150-1-____	Single	48 W x 30 H	121.92 W x 76.20 H
14001-00-EPHJEI-____	102151-1-____	Double	48 W x 30 H	121.92 W x 76.20 H
14000-00-FNDREI-____	102152-1-____	Single	24 W x 36 H	60.96 W x 91.44 H
14000-00-FNEPEI-____	102153-1-____	Single	30 W x 36 H	76.20 W x 91.44 H
14000-00-FNFNEI-____	102154-1-____	Single	36 W x 36 H	91.44 W x 91.44 H
14000-00-FNGLEI-____	102155-1-____	Single	42 W x 36 H	106.68 W x 91.44 H
14000-00-FNHJEI-____	102156-1-____	Single	48 W x 36 H	121.92 W x 91.44 H
14001-00-FNHJEI-____	102157-1-____	Double	48 W x 36 H	121.92 W x 91.44 H
14001-00-FNJFEI-____	102158-1-____	Double	60 W x 36 H	152.40 W x 91.44 H
14001-00-FNLBEI-____	102159-1-____	Double	72 W x 36 H	182.88 W x 91.44 H

\* “-\_\_\_\_” = 4-digit laminate color code (refer to catalog)

**Table 1. Aristocrat Standard Laminated Cages - Models**

New SSCI Part Number*	Former SSCI Part Number*	Doors	Cage Size (inches)	Cage Size (centimeters)
14002-00-CTCTEI-____	102140-1-1-____	Single	18 W x 18 H	45.72 W x 45.72 H
14002-00-CTDREI-____	102141-1-1-____	Single	24 W x 18 H	60.96 W x 45.72 H
14002-00-DRCTEI-____	102142-1-1-____	Single	18 W x 24 H	45.72 W x 60.96 H
14002-00-DRDREI-____	102143-1-1-____	Single	24 W x 24 H	60.96 W x 60.96 H
14002-00-DREPEI-____	102144-1-1-____	Single	30 W x 24 H	76.20 W x 60.96 H
14002-00-DRFNEI-____	102145-1-1-____	Single	36 W x 24 H	91.44 W x 60.96 H
14003-00-DRHJEI-____	102164-1-1-____	Double	48 W x 24 H	121.92 W x 60.96 H
14002-00-EPDREI-____	102146-1-1-____	Single	24 W x 30 H	60.96 W x 76.20 H
14002-00-EPEPEI-____	102147-1-1-____	Single	30 W x 30 H	76.20 W x 76.20 H
14002-00-EPFNEI-____	102148-1-1-____	Single	36 W x 30 H	91.44 W x 76.20 H
14002-00-EPGLEI-____	102149-1-1-____	Single	42 W x 30 H	106.68 W x 76.20 H
14002-00-EPHJEI-____	102150-1-1-____	Single	48 W x 30 H	121.92 W x 76.20 H
14003-00-EPHJEI-____	102151-1-1-____	Double	48 W x 30 H	121.92 W x 76.20 H
14002-00-FNDREI-____	102152-1-1-____	Single	24 W x 36 H	60.96 W x 91.44 H
14002-00-FNEPEI-____	102153-1-1-____	Single	30 W x 36 H	76.20 W x 91.44 H
14002-00-FNFNEI-____	102154-1-1-____	Single	36 W x 36 H	91.44 W x 91.44 H
14002-00-FNGLEI-____	102155-1-1-____	Single	42 W x 36 H	106.68 W x 91.44 H
14002-00-FNHJEI-____	102156-1-1-____	Single	48 W x 36 H	121.92 W x 91.44 H
14003-00-FNHJEI-____	102157-1-1-____	Double	48 W x 36 H	121.92 W x 91.44 H
14003-00-FNJFEI-____	102158-1-1-____	Double	60 W x 36 H	152.40 W x 91.44 H
14003-00-FNLBEI-____	102159-1-1-____	Double	72 W x 36 H	182.88 W x 91.44 H

\* “-\_\_\_\_” = 4-digit laminate color code (refer to catalog)

**Table 2. Aristocrat Full-view Back Laminated Cages - Models**

## Accessories

SSCI provides a variety of accessories for Aristocrat cages to custom-fit them to your requirements. Descriptions, pictures, and information on SSCI products can be found in our current catalog, and on our website at [www.suburbansurgical.com](http://www.suburbansurgical.com). To order accessories, refer to *Parts Ordering Procedure on Page 48*.

- Removable divider panels (double-door cages)
- Laminated resting shelves
- Top panels
- End panels
- Swivel casters
- Laminated toe-kick bases
- Stainless steel bases, stationary and mobile
- Plastisol-coated removable cage floors
- Stainless steel removable cage floors
- Litter pans
- IV hooks
- Food/water bowls and holders
- Card holders
- Clipboards
- Medicine bins with clipboards

## Safety

**CAUTION:** When the cage is mounted on a mobile base, the wheel brakes should be engaged any time the assembly is not actually being moved. Be especially careful when the unit is not on a level surface and may be free to roll uncontrolled.

Refer to *Using the Wheel Brakes on Page 38*.

## Care and Cleaning of Stainless Steel

### Introduction

Aristocrat cage doors are made of electro-polished, welded stainless steel. Stainless steel is steel alloyed with chromium to make it highly resistant to stain, rust, and corrosion.

**Note:** This does NOT mean, however, 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 Aristocrat cage doors 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. Too 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

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

## Cleaning Requirements

Clean the Aristocrat cage exactly in accordance with the cleaning instructions provided in *Chapter 3* of this manual.

***Failure to follow these cleaning instructions can void your warranty.***

## 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 - Installation

## Overview

This chapter guides you in mounting SSCI Aristocrat laminated cages on a suitable base and joining several cages together to form a multi-cage arrangement. If you have problems or require additional assistance, please feel free to call SSCI Customer Service at (800) 323-7366.

## Space Requirements

The space required for your particular arrangement depends on the shape of the arrangement: straight, L-shaped, or U-shaped.

For minimum space requirements, refer to:

- Straight arrangements - Figure 3 below
- L-shaped arrangements - Figure 4 on Page 10
- U-shaped arrangements - Figure 5 on Page 11

### Straight Arrangements

In a straight cage arrangement, the cages are set up in a single straight line. The arrangement can consist of one or more tiers. Figure 3 shows the minimum space required for a straight arrangement. Note that the required depth includes the width of the widest cage door in the arrangement. This allows all doors to open fully giving you sufficient space in front of the arrangement to handle patients safely and conveniently. Also keep in mind that two or three extra inches above the arrangement, in addition to the minimum height, will ease installation (and later removal, if necessary).

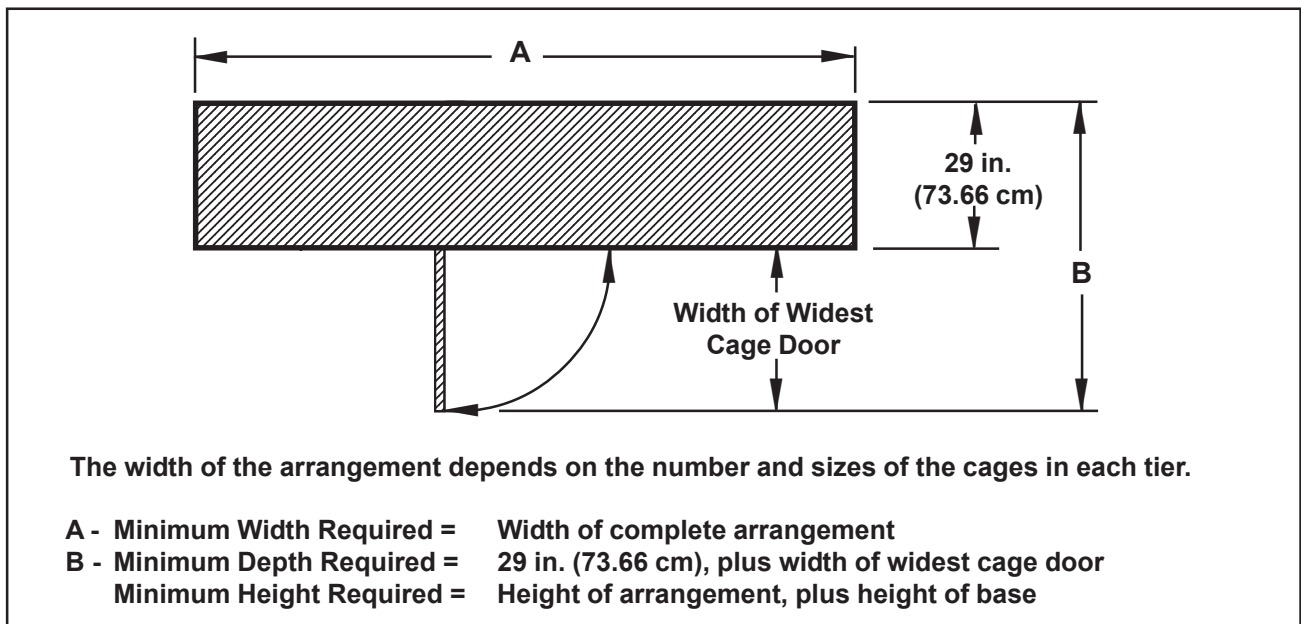


Figure 3. Top View of Minimum Space Required for a Straight Arrangement

## L-shaped Arrangements

In an L-shaped cage arrangement, the cages are set up in two separate straight lines, joined by a corner cage, to form a right angle. The legs do not have to be of equal length. The arrangement can consist of one or more tiers. Figure 4 shows the minimum space required for an L-shaped arrangement. Keep in mind that two or three extra inches above the arrangement, in addition to the minimum height, will ease installation (and later removal, if necessary).

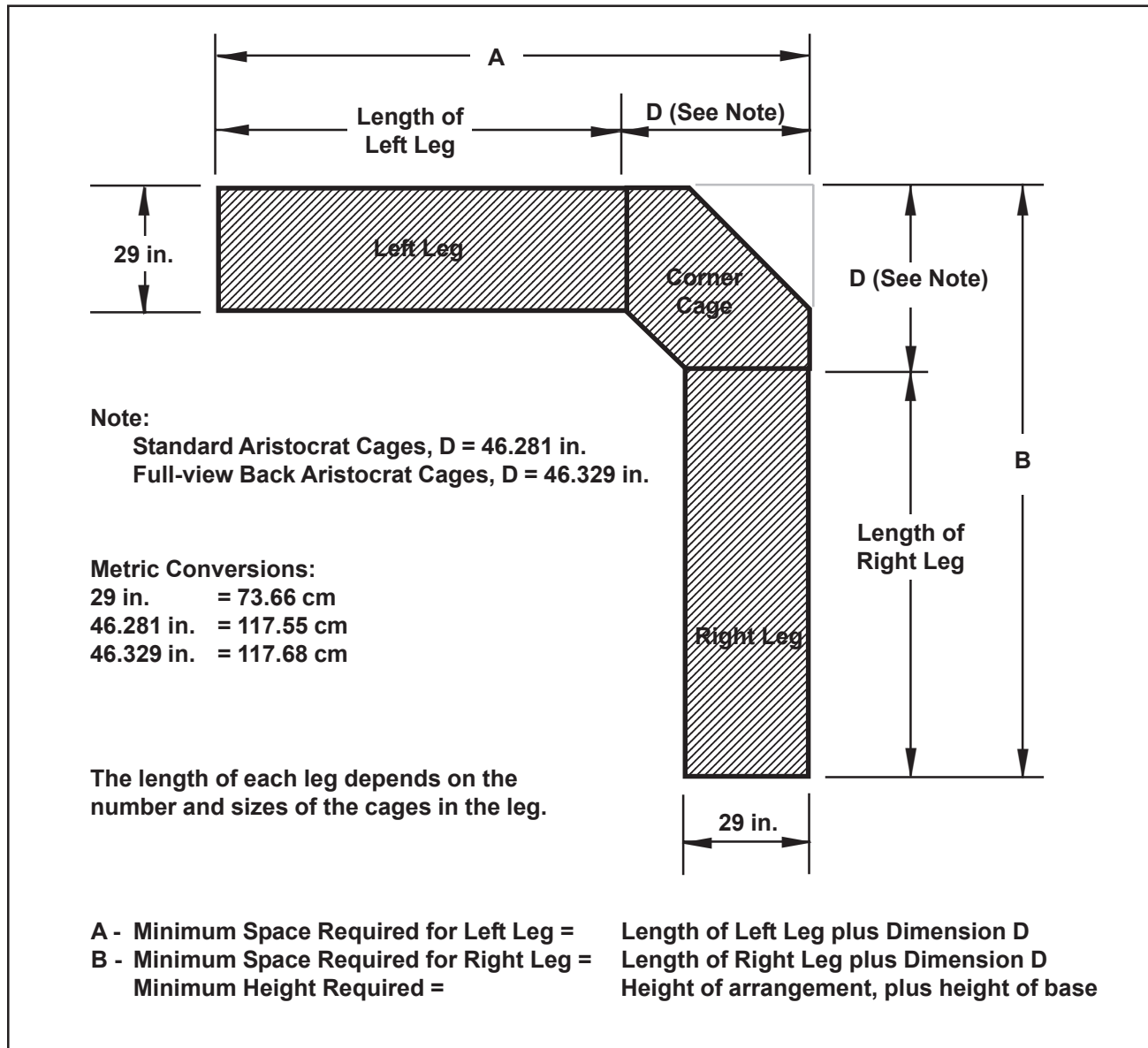


Figure 4. Top View of Minimum Space Required for a Typical L-shaped Arrangement



## U-shaped Arrangements

In a U-shaped cage arrangement, the cages are set up in three separate straight lines, joined by corner cages, to form two right angles. The legs do not have to be of equal length. The arrangement can consist of one or more tiers. Figure 5 shows the minimum space required for a U-shaped arrangement. Keep in mind that two or three extra inches above the arrangement, in addition to the minimum height, will ease installation (and later removal, if necessary).

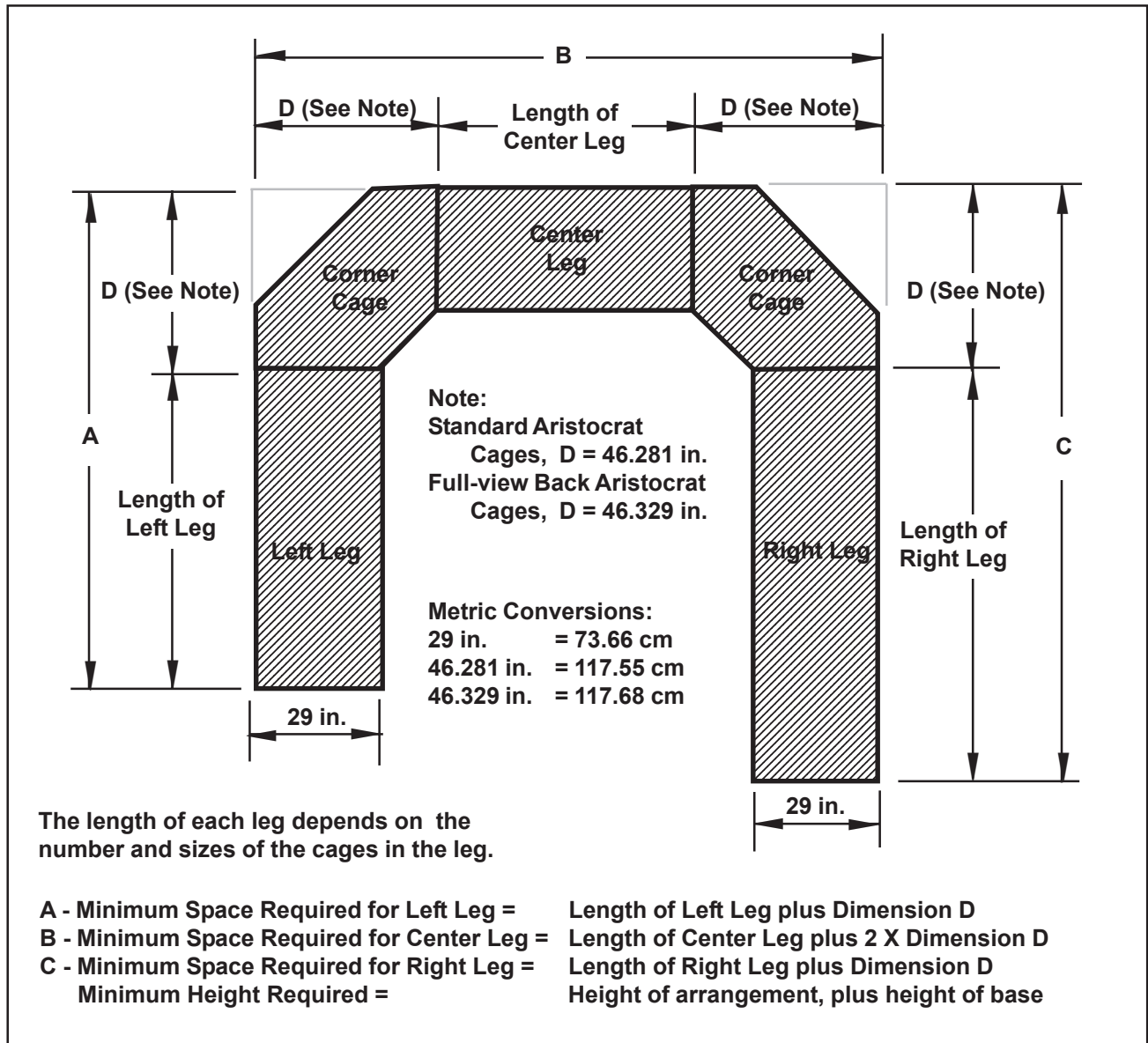


Figure 5. Top View of Minimum Space Required for a Typical U-shaped Arrangement

## Unpacking and Inspection

**CAUTION:** Unpacking and assembling Aristocrat cages is not difficult, The cages are heavy, however, and we recommend that unpacking and assembly be done by at least two people.

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

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

Unpack all cartons and packages to determine if all cages, bases, etc. have been received. Items appearing on your *Sales Agreement*, but not on your green *Packing List*, are back-ordered and will be shipped as soon as they become available.

## Parts Included

Two types of parts are included in the shipment:

- Aristocrat cage(s)
- Base (if supplied by SSCI)

### Aristocrat Cages

Each cage is individually packaged in its own shipping carton. Refer to Tables 1 and 2 in *Chapter 1* for complete listings of cage part numbers, dimensions, and door arrangements.

### Bases

Each base is individually packaged in its own shipping carton. For mobile bases, casters are included in a separate package. Refer to the *Owner's Manual* included with the base for assembly instructions.

## Preparation of the Base

Aristocrat cages must be mounted on a secure base. Prepare the base before starting the assembly of the cage arrangement.

The usual base options are:

- SSCI laminated toe-kick base - *Page 13*
  - Toe-kick, front only
  - Toe-kick, front and back
- SSCI stainless steel stationary base - *Page 14*
- SSCI stainless steel mobile base - *Page 15*
- SSCI cabinetry base - *Page 16*
- Site-built concrete base - *Page 16*
- Site-built wood base - *Page 17*

## SSCI Laminated Toe-Kick Base

SSCI laminated toe-kick bases come in lengths from 1-1/2 ft to 10 ft, in 6 in. increments, and add about 4 in. (10.16 cm) to the height of the cage arrangement. Laminated toe-kick bases come in two styles:

- Toe-kick in front only (for use with standard cages)
- Toe-kicks both in front and back (for use with full-view back cages)

Part numbers for the Aristocrat laminated toe-kick bases are shown in Table 3.

Unpack your laminated toe-kick base; no further assembly is required to prepare it for installation of the Aristocrat cages.

Cage Arrangement Width		Toe-Kick Front Base SSCI Part Number*	Toe-Kick Front & Back Base SSCI Part Number*
Feet/Inches	Meters		
1'6" W	.46 W	14115-00-CTAPEI-____	14117-00-CTAPEI-____
2' W	.61 W	14115-00-DRAPEI-____	14117-00-DRAPEI-____
2'6" W	.76 W	14115-00-EPAPEI-____	14117-00-EPAPEI-____
3' W	.91 W	14115-00-FNAPEI-____	14117-00-FNAPEI-____
3'6" W	1.07 W	14115-00-GLAPEI-____	14117-00-GLAPEI-____
4' W	1.22 W	14115-00-HJAPEI-____	14117-00-HJAPEI-____
4'6" W	1.37 W	14115-00-IHAPEI-____	14117-00-IHAPEI-____
5' W	1.52 W	14115-00-JFAPEI-____	14117-00-JFAPEI-____
5'6" W	1.68 W	14115-00-KDAPEI-____	14117-00-KDAPEI-____
6' W	1.83 W	14115-00-LBAPEI-____	14117-00-LBAPEI-____
6'6" W	1.98 W	14115-00-LZAPEI-____	14117-00-LZAPEI-____
7' W	2.13 W	14115-00-MXAPEI-____	14117-00-MXAPEI-____
7'6" W	2.29 W	14115-00-NVAPEI-____	14117-00-NVAPEI-____
8' W	2.44 W	14115-00-OTAPEI-____	14117-00-OTAPEI-____
8'6" W	2.59 W	14115-00-PRAPEI-____	14117-00-PRAPEI-____
9' W	2.74 W	14115-00-QPAPEI-____	14117-00-QPAPEI-____
9'6" W	2.90 W	14115-00-RNAPEI-____	14117-00-RNAPEI-____
10' W	3.05 W	14115-00-SLAPEI-____	14117-00-SLAPEI-____
Toe-Kick Base for Corner Cages		14116-00-DRAPEI-____	14118-00-DRAPEI-____

\* "- \_\_\_\_" = 4-digit laminate color code (refer to catalog)

**Table 3. Aristocrat Laminated Toe-Kick Base Part Numbers**

## SSCI Stainless Steel Stationary Base

If an SSCI stainless steel stationary base (Figure 6) is to be used, assemble and level the base according to the *Owner's Manual* provided with the base. The stationary base comes complete with a kit to adapt it for use with your Aristocrat Cages, and this kit should be installed now. The stationary base adds about 6.75 in. (17.15 cm) to the height of your arrangement although this dimension will vary somewhat depending on the final positions of the leveler legs. Part numbers of the bases (including the adapter kits) are shown in Table 4.

Cage Arrangement Width		Stationary Base SSCI Part Number	Number of Casters on Mobile Bases
Feet/Inches	Meters		
1'6" W	.46 W	12117-00-CTAHEI	4
2' W	.61 W	12117-00-DRAHEI	4
2'6" W	.76 W	12117-00-EPAHEI	4
3' W	.91 W	12117-00-FNAHEI	4
3'6" W	1.07 W	12117-00-GLAHEI	4
4' W	1.22 W	12117-00-HJAHEI	4
4'6" W	1.37 W	12117-00-IHAHEI	4
5' W	1.52 W	12117-00-JFAHEI	4
5'6" W	1.68 W	12117-00-KDAHEI	4
6' W	1.83 W	12117-00-LBAHEI	4
6'6" W	1.98 W	12117-00-LZAHEI	6
7' W	2.13 W	12117-00-MXAHEI	6
7'6" W	2.29 W	12117-00-NVAHEI	6
8' W	2.44 W	12117-00-OTAHEI	6
8'6" W	2.59 W	12117-00-PRAHEI	6
9' W	2.74 W	12117-00-QPAHEI	6
9'6" W	2.90 W	12117-00-RNAHEI	6
10' W	3.05 W	12117-00-SLAHEI	6
Base for Corner Cages		12118-00-DRDREI	N/A

**Table 4. Stainless Steel Stationary and Mobile Base Part Numbers**



Figure 6. Typical SSCI Stationary Base



Figure 7. Typical SSCI Mobile Base

### SSCI Stainless Steel Mobile Base

If an SSCI stainless steel mobile base (Figure 7) is to be used, assemble the base according to the *Owner's Manual* provided with the base. Mobile bases are identical to stationary bases but with the addition of four or six casters, depending on the arrangement width (Table 4). The casters are mounted on the base in place of the leveler legs and come either with or without brakes. Use casters with brakes on the front of the arrangement, and casters without brakes on the rear. Mobile bases do not require leveling. The mobile base adds about 6.75 in. (17.15 cm) to the height of your arrangement. Caster part numbers are shown in Table 5.

**Note:** Casters are not recommended for L-shaped or U-shaped cage arrangements.

Caster Type	New SSCI Part Number	Former SSCI Part Number
Plain (no brake)	C008-21081110-FNF00	851152
With Brake	C008-21081111-FNF00	851151

Four casters are used on bases from 1'6" through 6' wide.  
Six casters are used on bases from 6'6" through 10' wide.

Table 5. Mobile Base Caster Part Numbers

**CAUTION:** When working with a mobile base, make sure the brakes are ON so that the base does not move while you are trying to mount the cages. Such movement could create a hazardous condition.

The mobile base comes complete with a kit to adapt it for use with your Aristocrat Cages, and this kit should be installed now.

### SSCI Cabinetry Base

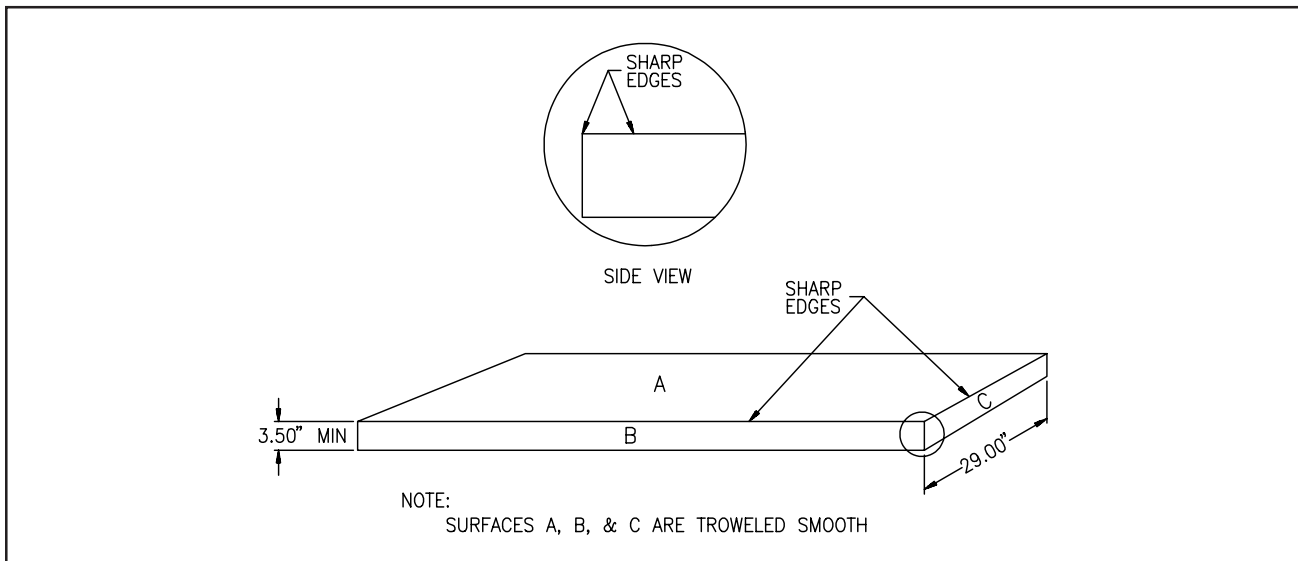
SSCI cabinetry bases (Figure 8) come in a wide variety of styles; refer to your SSCI product catalog for details. Unpack your cabinetry base. No further assembly is required to prepare it for installation of the Aristocrat cages.



**Figure 8. Aristocrat Cages Mounted on a Typical SSCI Cabinetry Base**

### Site-built Concrete Base

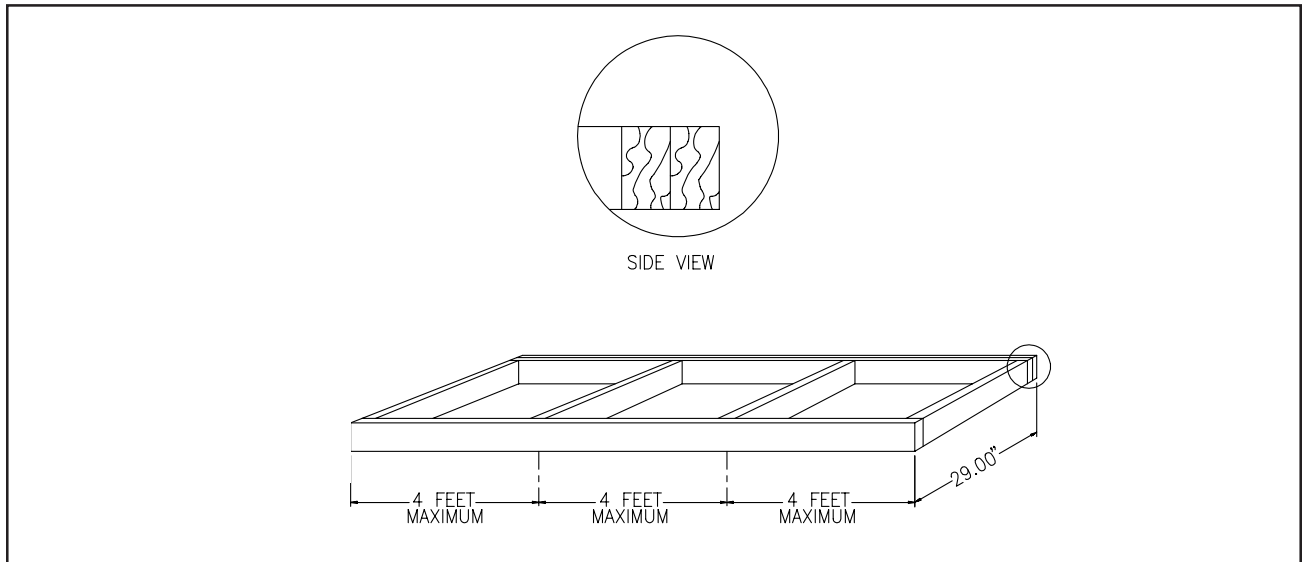
A site-built concrete base must be at least 3.5 in. (8.9 cm) high and 29 in. (73.66 cm) from front to rear (Figure 9). The top, front and sides should have smoothly trowelled surfaces, with sharp edges and square corners. The top surface must be level front-to-rear and left-to-right.



**Figure 9. Site-built Concrete Base**

**Site-built Wood Base**

A site-built wood frame base must be built of 2 x 4 lumber, set on edge, and at least 29 in. (73.66 cm) from front to rear (Figure 10). The front and rear supports should span the width of the cage arrangement and be parallel to each other. The rear support should be two 2 x 4s nailed together; the front support should be one 2 x 4. There should be 2 x 4 crossmembers at each end, with intermittent 2 x 4 crossmembers spaced on no more than 4 ft (1.22 m) centers. The top must be level front-to-rear and left-to-right.

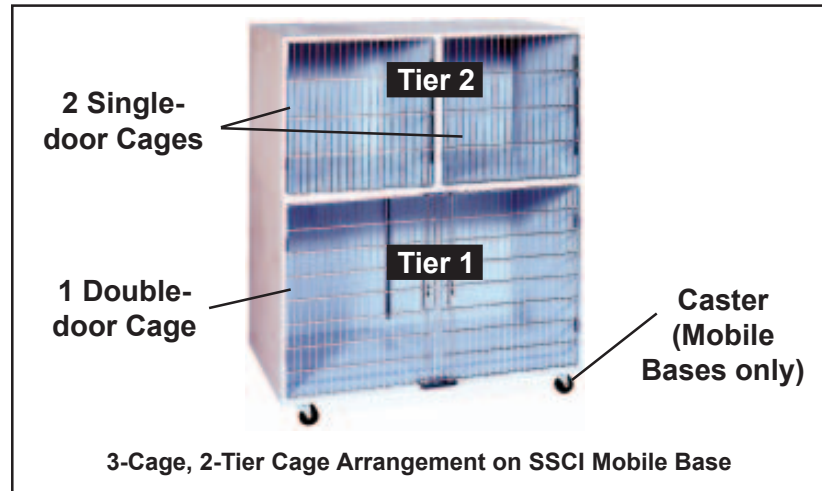


**Figure 10. Site-built Wood Base**

## Cage Arrangements

An “arrangement” is any cage layout with more than one cage (Figure 11). In a multi-tier cage arrangement, the tiers are numbered from the bottom up. The bottom tier is “Tier 1”, the next tier up is “Tier 2”, and so forth.

- All cages in one tier must be the same height.
- All tiers in the arrangement must be the same width.

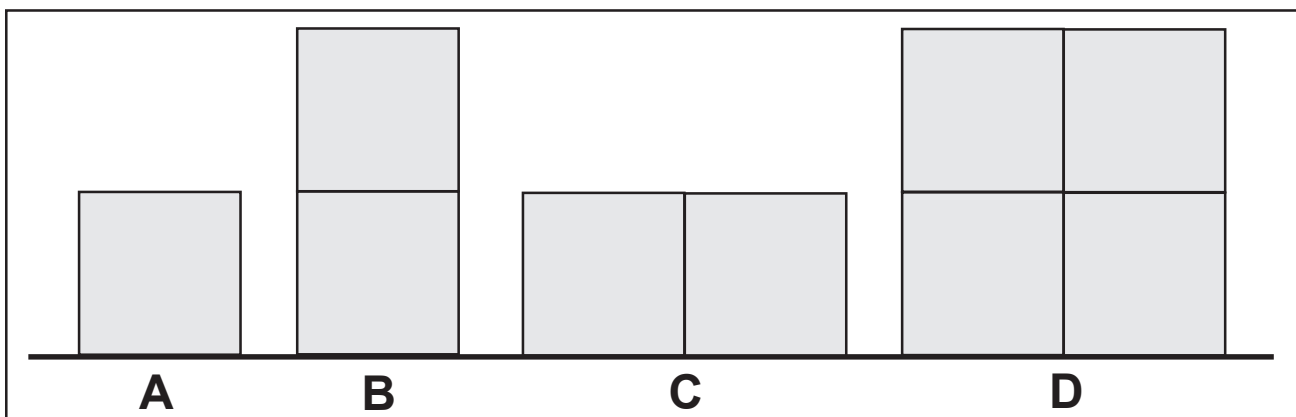


**Figure 11. Typical Aristocrat Cage Arrangement**

You can join banks of cages at right-angles to each other by using a corner cage. Refer to *Corner Cages* on *Page 19* for details.

There are four basic cage layouts (Figure 12):

- **A** - Single cage
- **B** - Two or more cages stacked vertically
- **C** - Two or more cages in one tier
- **D** - Three or more cages, side by side, AND in two or more tiers (This arrangement is possible with only three cages if one cage is double-size.)



**Figure 12. Basic Cage Layouts**

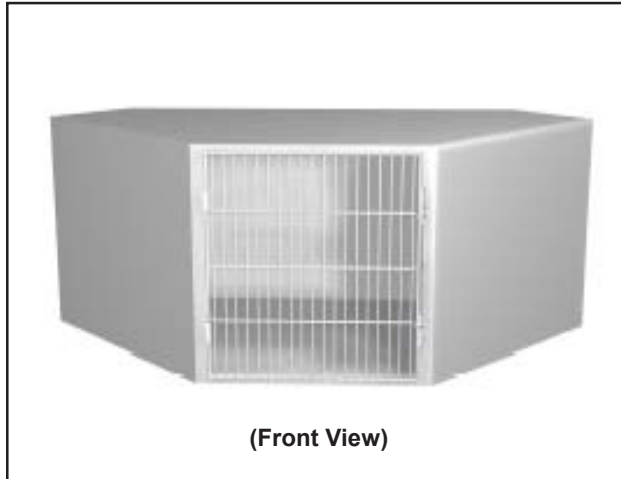


## Corner Cages

A corner cage is used between two straight banks of cages to form a right-angle. There are two types of corner cages:

- for standard Aristocrat Cages (Figure 13)
- for full-view back, Aristocrat Cages (Figure 14)

In any arrangement, the cage above or below a corner cage must be another corner cage.



(Front View)



(Rear View)

**Figure 13. Standard Corner Cage**

**Figure 14. Full-view Back, Corner Cage**

### Standard Corner Cages

Standard corner cages have a door in front and a solid wall in back. These corner cages allow you to create L- or U-shaped arrangements by placing straight banks of cages on either side of one or two corner cages. Refer to Table 6 for standard corner cage part numbers.

Cage Door Size	Corner Cage SSCI Part Number*
24" W x 18" H	15000-00-CTDREI-____
24" W x 24" H	15000-00-DRDREI-____
24" W x 30" H	15000-00-EPDREI-____
24" W x 36" H	15000-00-FNDREI-____

\* "\_\_\_\_" = 4-digit laminate color code (refer to catalog)

**Table 6. Standard Corner Cage Part Numbers**

### Full-view Back Corner Cages

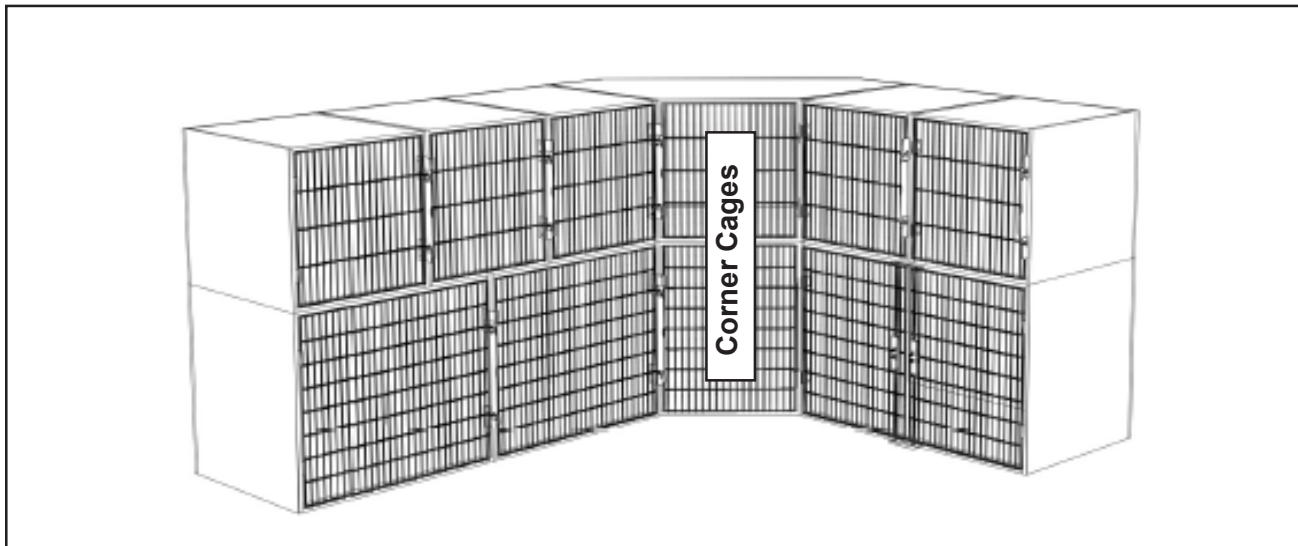
Full-view back cages feature a door in front and a clear panel in back panel to allow animals to be viewed from either side of the cage. These cages allow you to create L- or U-shaped arrangements by placing straight banks of cages on either side of one or two corner cages. Refer to Table 7 for full-view back, corner cage part numbers.

Cage Door Size	Corner Cage SSCI Part Number*
24" W x 18" H	15002-00-CTDREI-____
24" W x 24" H	15002-00-DRDREI-____
24" W x 30" H	15002-00-EPDREI-____
24" W x 36" H	15002-00-FNDREI-____

\* "- \_\_\_\_" = 4-digit laminate color code (refer to catalog)

**Table 7. Full-view Back, Corner Cage Part Numbers**

Figure 15 shows a typical L-shaped Aristocrat cage arrangement using a corner cage on each tier.



**Figure 15. Typical L-shaped Aristocrat Cage Arrangement**

## Cage Installation

**Tool Required** ■ Phillips screwdriver

### **Installation Sequence**

#### **Base**

The base must be completely assembled and ready to receive the cages. Casters, if used, must be installed. On SSCI stainless steel stationary and mobile bases, the wooden adapter kits must be installed.

**CAUTION:** When working on a mobile base, make sure the brakes are ON so that the base cannot move while you are trying to mount the cages. Such movement could create a hazardous condition.

#### **Cage Arrangement**

**Note:** While you are building the arrangement, consult the arrangement drawings frequently to make sure you place each cage in the correct position.

**Straight Arrangement:** When installing a straight cage arrangement, start with an end cage on Tier 1 (bottom tier). If one end of the arrangement is against a wall, start with that end, then work outward, cage-by-cage toward the other end. Complete each tier before starting the next tier. Assemble each new tier in the same sequence as Tier 1.

**L-shaped Arrangement:** When installing an L-shaped cage arrangement, start with the corner cage, then work outward, cage-by-cage toward both ends. Complete each tier before starting the next tier. Assemble each new tier in the same sequence as Tier 1.

**U-shaped Arrangement:** When installing a U-shaped cage arrangement, start with either corner cage and work toward the other corner to complete the center leg first. Then go to the corner cages and work outward, cage-by-cage toward both ends. Complete each tier before starting the next tier. Assemble each new tier in the same sequence as Tier 1.

## Installation Procedure

**CAUTION:** The cages are heavy and we recommend that setting up the arrangement be done by at least two people.

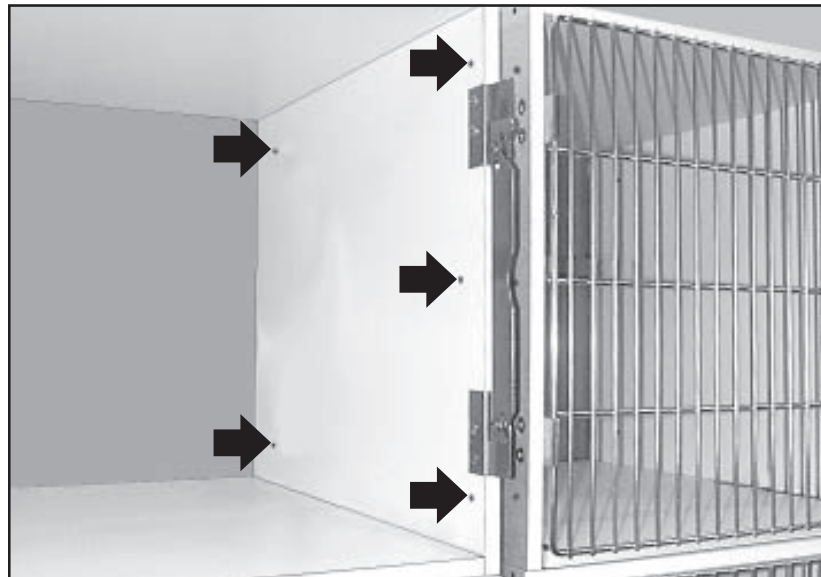
**CAUTION:** If the arrangement is being installed on a mobile base, make sure that assembly is done on a flat, unsloped surface, and that all the caster brakes are ON.

**Note:** Refer to *Installation Sequence* on Page 21.

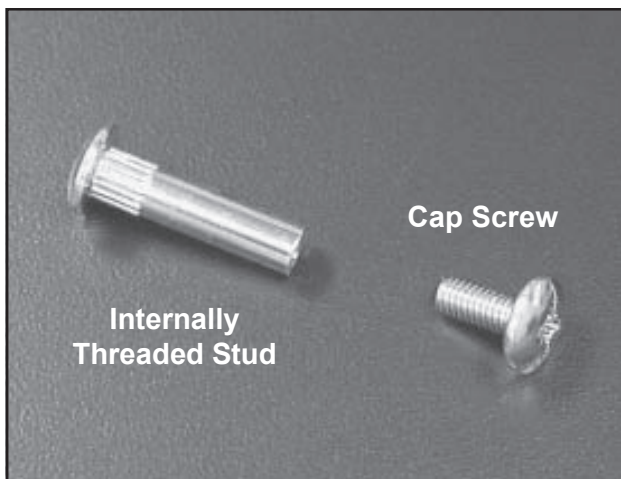
1. If non-standard, customer-installed resting shelves are to be used, install them now, before you begin assembly of the arrangement. Refer to *Installing Resting Shelves* on Page 25. **Note:** Installation of the resting shelves at a later time will require extensive disassembly of the cage arrangement.

**Note:** On SSCI stainless steel stationary and mobile bases, the cages are held to the wooden adapter kit on the base with double-face tape as shown in the base *Owner's Manual*. On all other bases, the cages merely rest atop the base - no fasteners are required.

2. Select a cage and place that cage on the base. Start with a corner cage if the arrangement is L-shaped or U-shaped.
3. Select a second cage, and place that cage next to the first.



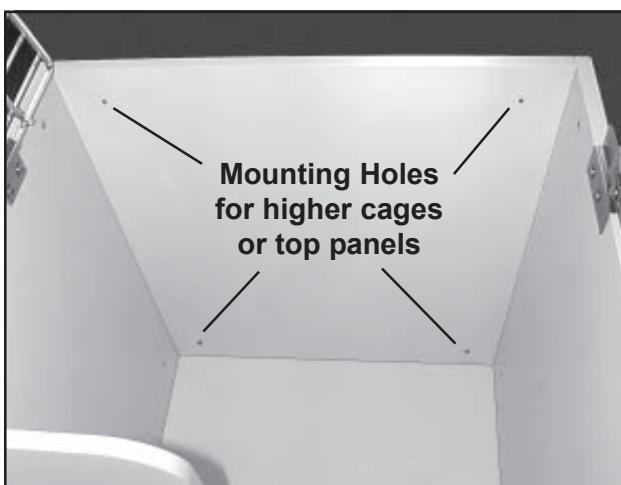
**Figure 16. Fastening Adjacent Cages Together**



**Figure 17. Aristocrat Cage Fastening Hardware, P/N 852608**



**Figure 18. Aristocrat Mounting Screws, P/N 850802**



**Figure 19. Mounting Holes in Ceiling of Cage**

4. Open the doors on both cages.

**Note:** Each pair of cages is held together at five points (Figure 16). At each point, a 1-3/16 in. internally-threaded Phillips head stud, and a 1/2 in. Phillips head cap screw (Figure 17) are used to tie the cages together.

5. Connect the cages together at all five points with the studs and cap screws supplied.
6. Repeat *Steps 2* through *5* for each remaining cage in the tier.
7. When Tier 1 is complete, place a cage on top the first cage in Tier 1.

**Note:** Higher level cages are held to lower level cages with several 1 in. Phillips head wood screws (Figure 18). The number of screws in each cage varies with the width of the cage.

8. With the screws provided, screw the Tier 1 cage to the higher cage through the holes in the ceiling of the Tier 1 cage (Figure 19).
9. Repeat *Steps 7* and *8* for each remaining cage in the tier.
10. If there are additional tiers in the arrangement, repeat *Steps 2* through *9* for each tier until the arrangement is complete.
11. If end panels are to be installed, do so at this time (refer to *Adding End Panels to the Arrangement* on Page 27).
12. If top panels are to be installed, do so at this time (refer to *Adding Top Panels to the Arrangement* on Page 30).

13. All single-door cages are shipped with the doors hinged on the left and latched on the right. If it is preferred that any or all of the doors open the other way, reverse the door hinges now (refer to *Reversing the Door Hinges* on Page 32).
14. If divider panels are to be installed in double-door cages, do so at this time (refer to *Installing Divider Panels* on Page 34).
15. If stainless steel or PVC-coated removable floors are to be used in the cages, install them now.
16. If full-view back cages are present in the arrangement, peel the protective paper from the clear, polycarbonate back panels.
17. If any accessories such as card holders, food and water bowls, etc. are to be installed on the cages, mount them now.

## Installing Resting Shelves (Single-door Cages Only)

### Overview

Aristocrat cages can be ordered with factory-installed resting shelves to make room for multiple animals, or simply to make cats more comfortable by allowing them to climb and rest higher than the floor. The shelves are mounted on the back wall of the cage and span the full width of the cage. They are positioned approximately midway between the cage floor and ceiling. When the resting shelf is ordered, the **-00-** in the cage part number is changed to one of the following, depending on the height of the cage:

- 18 in. high cage - **BF**
- 24 in. high cage - **BR**
- 30 in. high cage - **CD**
- 36 in. high cage - **CP**

### Non-standard Shelf Positions

If a shelf position different from that described above is required, the shelves must be ordered separately and installed on-site by the customer before assembling the arrangement. Resting shelf part numbers are shown in Table 8.

**Note:** Installation of the resting shelves at a later time will require extensive disassembly of the cage arrangement.

Cage Width		Resting Shelf SSCI Part Number*
Inches	Centimeters	
18 W	45.72 W	14165-00-CTACAX-____
24 W	60.96 W	14165-00-DRACAX-____
30 W	76.20 W	14165-00-EPACAX-____
36 W	91.44 W	14165-00-FNACAX-____

\* “-\_\_\_\_” = 4-digit laminate color code (refer to catalog)

**Table 8. Resting Shelf Part Numbers**

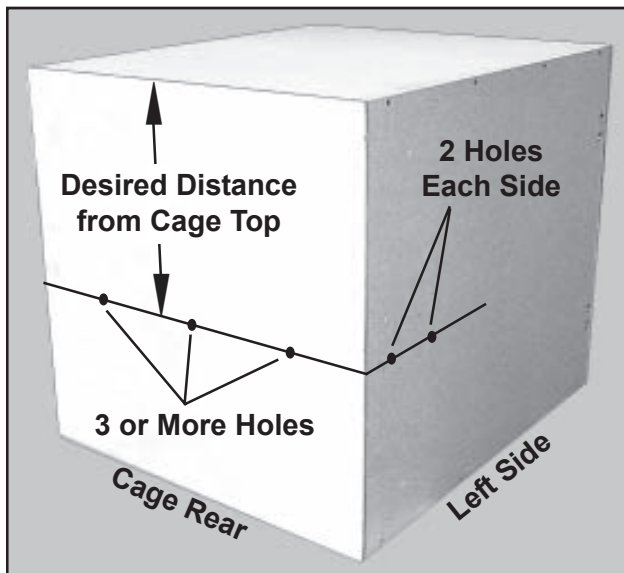
### Tools Required

- Tape measure
- Carpenter's level
- Pencil
- Center-punch
- Hammer
- Electric drill with 1/16 in. bit
- Countersink
- Phillips screwdriver

## Procedure

For the on-site installation of non-standard resting shelves, follow the procedure below. **Note:** Installation of the resting shelves at a later time will require extensive disassembly of the cage arrangement.

1. Measure down the desired distance (Figure 20) from the top of the cage, and place a mark at that point on the cage rear.
2. Using a carpenter's level, draw a horizontal line through the mark and across the full width of the cage.



**Figure 20. Mounting Screw Holes for Resting Shelves**

3. Still using the level, draw a horizontal line on each side of the cage, continuing on from the line you drew on the rear of the cage.
4. Hold the shelf up to the horizontal lines you marked on the cage and mark the center positions of the mounting holes on the line.
5. With a hammer and center-punch, punch a small pilot hole in each mounting hole.
6. Drill and countersink a 1/16 in. dia. hole into each mounting position. Make sure the drill goes straight in and not at an angle.
7. Open the cage door.

**Note:** It will take two people to mount the resting shelf: one to hold the shelf in position inside the cage, and another to install the mounting screws behind the cage.

8. With one person holding the shelf in position in the cage, secure the shelf to the cage wall with the wood screws supplied.



## Adding End Panels to the Arrangement

### Overview

Laminated end panels can be installed to give your arrangement a clean, finished look, and to coordinate the colors in your facility. End panels can be installed on one or both ends of the arrangement depending on your needs. One panel is used for each end of each tier. There are no right and left panels; all panels will work on either end of the tier.

**Note:** Install all end panels before installing top panels.

### Types of End Panels

On your arrangement, you may elect to use end panels either with or without top panels. Figure 21 shows the two types of end panels:

- Top tier end panels for arrangements with a top panel
- End panels for all other tiers

The upper portion of Table 9 gives the part numbers for top tier end panels for arrangements with a top panel. The lower portion of the table gives the part numbers of all other end panels.

End Panel Height		End Panel SSCI Part Number*
Inches	Centimeters	
<b>Top Tier End Panels for Arrangements With a Top Panel</b>		
18.625	47.31	14121-00-ACCWEI-____
24.625	62.55	14121-00-ACDUEI-____
30.625	77.79	14121-00-ACESEI-____
36.625	93.03	14121-00-ACFQEI-____
<b>End Panels for All Other Tiers</b>		
18	45.72	14120-00-ACCTEI-____
24	60.96	14120-00-ACDREI-____
30	76.20	14120-00-ACEPEI-____
36	91.44	14120-00-ACFNEI-____

\* “-\_\_\_\_” = 4-digit laminate color code (refer to catalog)

**Table 9. End Panel Part Numbers**

End panels for use under top panels are taller than other end panels to compensate for the .625 in. thickness of the top panel (Figure 21). The distance between the top of the panel and the upper mounting holes is also greater. When installing end panels, make sure you mount the correct panel to each tier.

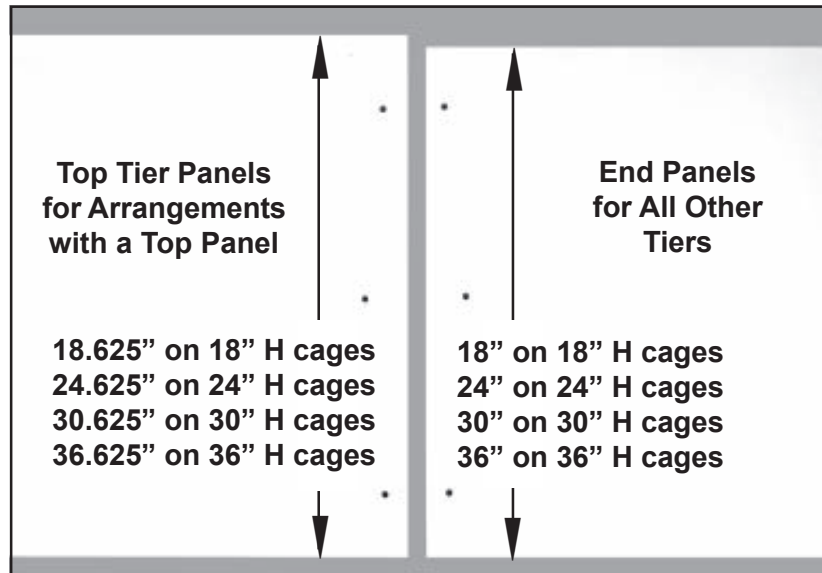


Figure 21. Types of End Panels

### Tools Required

- Phillips screwdriver (2)

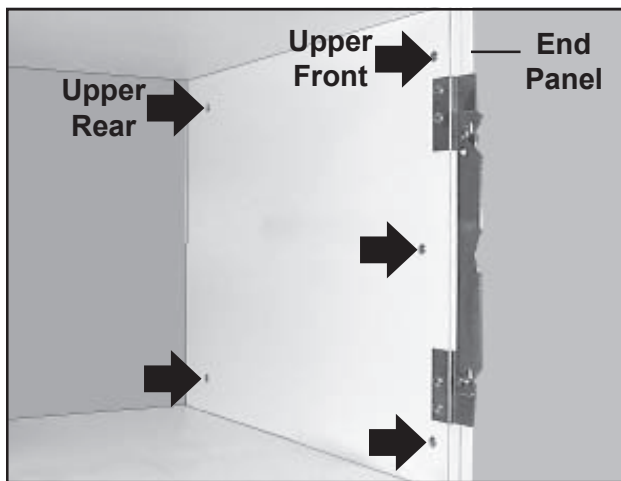
### Procedure

End panels are installed using the same kind of hardware used in connecting the Aristocrat cages together: 1-3/16 in. internally-threaded, Phillips head studs, and 1/2 in. Phillips head cap screws (Figure 17). Each end panel is attached to the arrangement at five points.

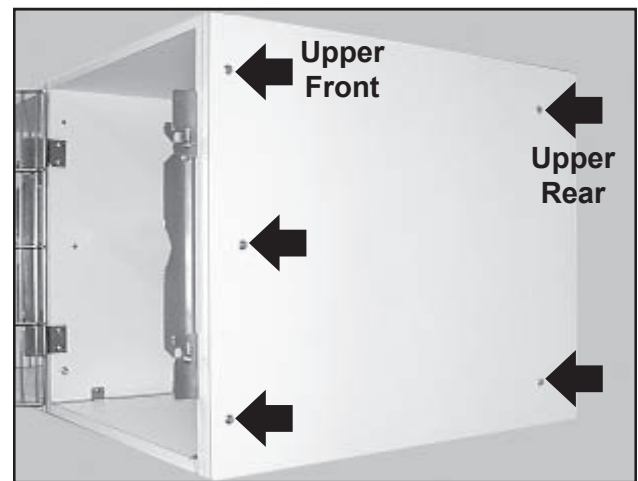
**CAUTION:** The end panels are heavy and we recommend that mounting the panels be done by at least two people. Also, it can be very difficult for one person to reach the rear studs and cap screws at the same time. This is especially true when working on the same side of the cage to which a door is mounted.

**Important:** Always install the end panels to the bottom tier first, then work upward from there.

1. Open the door of the end cage to which the end panel is to be attached.
2. From inside the cage, place an internally-threaded stud through the upper front mounting hole (Figure 22).



**Figure 22. Mounting an End Panel (right side) - Cage Interior View**



**Figure 23. Mounting an End Panel (right side) - Cage Exterior View**

3. Select the correct end panel for the tier on which you are working, and make sure it is rightside-up.
4. With the three holes toward the front of the arrangement, place the upper front mounting hole over the stud installed in *Step 2*.
5. Screw a cap screw through the panel and into this stud. Leave it a little loose for now.
6. From inside the cage, insert another stud into the upper rear mounting hole and the end panel, and secure it with a cap screw as you did in *Step 5*.
7. Insert studs and cap screws into the remaining three mounting holes.
8. With two Phillips screwdrivers, tighten all five studs and cap screws.
9. Repeat *Steps 1* through *8* for the next higher tier until the arrangement is complete.

## Adding Top Panels to the Arrangement

### Overview

Laminated top panels can be installed to give your cage arrangement a clean, finished look and to coordinate the colors in your facility. Top panels are available from 18 to 72 in. wide. If necessary, two or more top panels can be combined to make up the width of an arrangement. Top panels are also available for corner cages. Refer to Table 10 for top panel part numbers.

Top Panel Width		Top Panel SSCI Part Number*
Inches	Centimeters	
18	45.72	14140-00-CTACEI-____
24	60.96	14140-00-DRACEI-____
30	76.20	14140-00-EPACEI-____
36	91.44	14140-00-FNACEI-____
42	106.68	14140-00-GLACEI-____
48	121.92	14140-00-HJACEI-____
60	152.40	14140-00-JFACEI-____
72	182.88	14140-00-LBACEI-____
Top Panel for Corner Cage Square Back Corner		14141-00-DRACEI-____
Top Panel for Corner Cage Mitered Back Corner (Required for module arrangements with exposed back)		14142-00-DRACEI-____

\* “-\_\_\_\_” = 4-digit laminate color code (refer to catalog)

**Table 10. Top Panel Part Numbers**

### Tool Required

- Phillips Screwdriver

### Installation

**CAUTION:** The top panels are heavy and we recommend that mounting the panels be done by at least two people.

**Note:** Install all end panels before installing the top panels.

1. When all cages are in place and the end panels are installed, place all the top panels in position and carefully align them with each other, the end panels, and the cages.

**Note:** Top panels are held to top level cages with the same 1 in. Phillips head wood screws as the cages in adjacent tiers (Figure 20). The number of screws in each cage varies with the width of the cage.

2. With the screws provided (Figure 18), screw the top tier cages to the top panels through the holes in the ceiling of the cages (Figure 19).

## Reversing the Door Hinges (Single-door Cages Only)

### Overview

Single-door Aristocrat cages come from the factory with the door hinged on the left and latched on the right. The doors are ambidextrous, however, and can be easily reversed to open the other way if desired. To reverse the hinges, follow the procedure below.

### Tools Required

- Phillips screwdriver
- 7/16 in. wrench

### Procedure

1. Open the cage door.

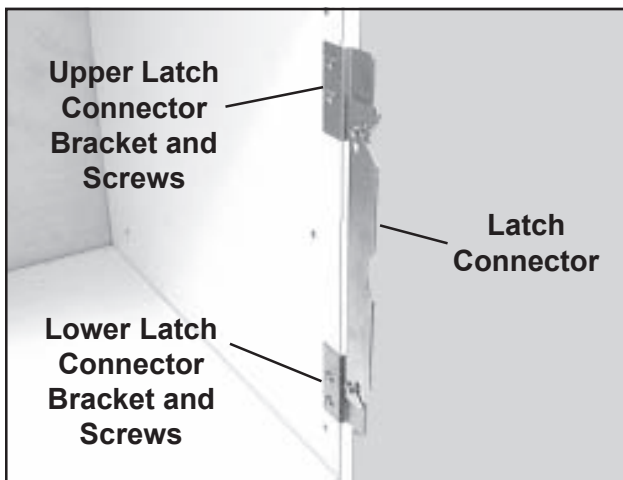


Figure 24. Latch Connector and Bracket Assembly (mounted on right)

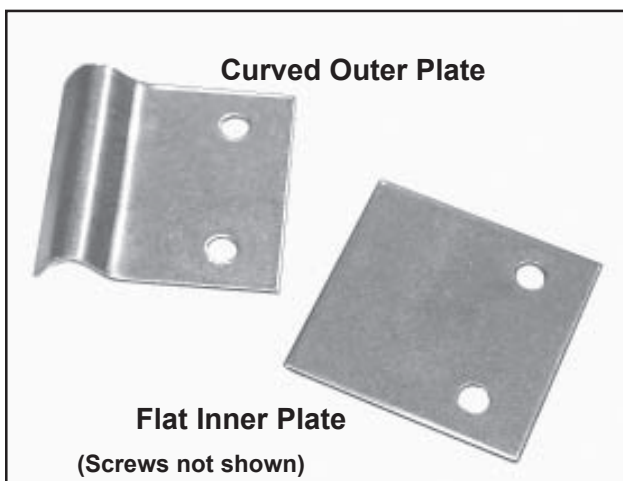


Figure 25. Door Hinge Parts

2. With a Phillips screwdriver, remove the two screws that hold the lower latch connector bracket to the cage (Figure 24).
3. Remove the two screws that hold the upper latch connector bracket to the cage, and remove the complete latch connector and bracket assembly.

**Note:** Each door hinge consists of four parts (Figure 25): a curved outer plate, a flat inner plate, and two screws.

**Note:** Removing and installing the door will be easier if a second person supports the door while you work on the hinges.

4. With a Phillips screwdriver, unscrew the two screws on the lower door hinge, and remove both hinge plates (Figure 26).
5. With a second person supporting the door, unscrew the two screws on the upper door hinge, and remove both hinge plates, and the door.

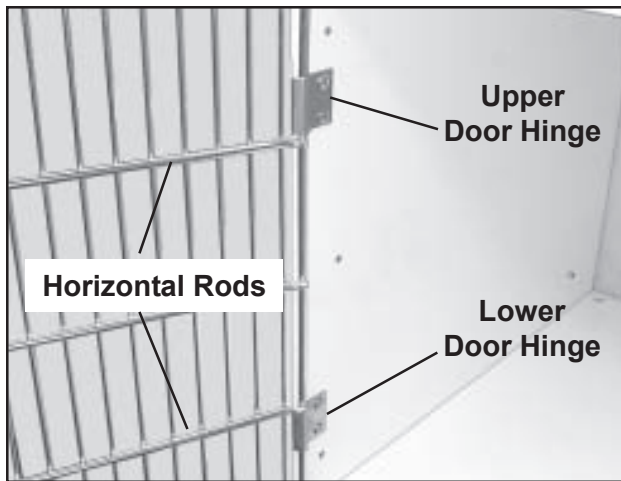


Figure 26. Door Hinges

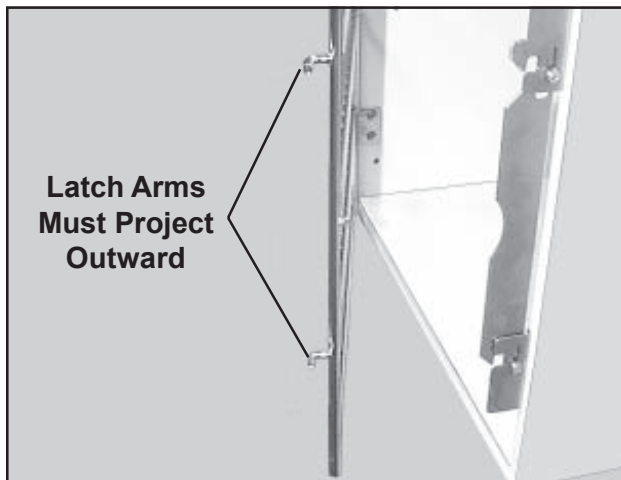


Figure 27. Latch Arms on Door

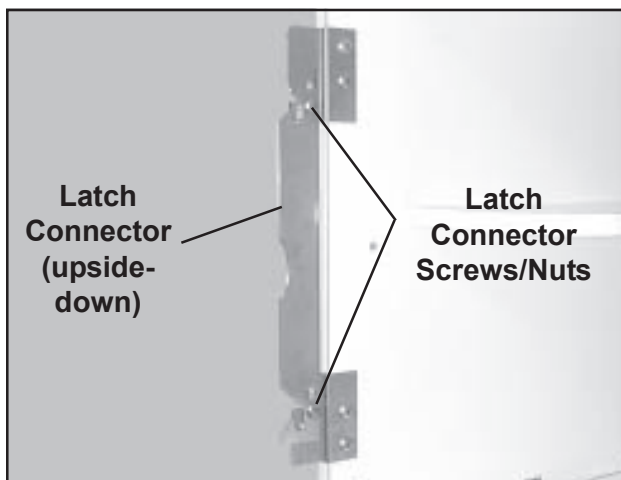


Figure 28. Latch Connector Mounted on Opposite Side

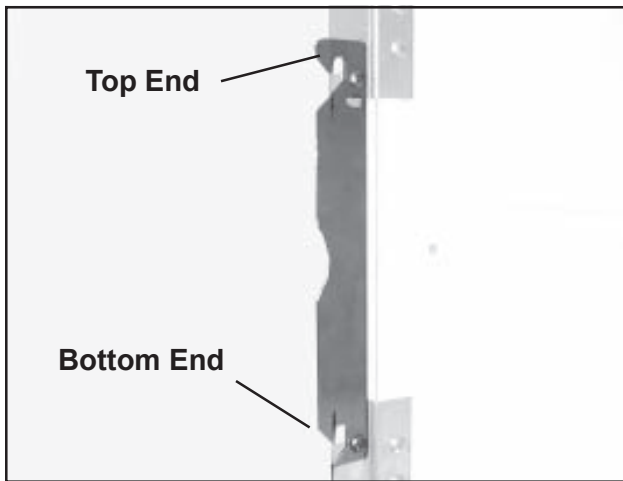
**Note:** Notice that the latch arms on the door project outward from the cage (Figure 27). When the door is reversed, these arms must still project outward or the latch will not work.

6. Reverse the door so that the latch arms project outward when the door is mounted on the opposite side.
7. Again with the door supported by a second person, mount the two upper hinge plates, and the door, to the holes from which the upper latch connector brackets were removed (Figure 24).
8. Finish hanging the door by engaging the door in the lower hinge plates and mounting them to the cage.
 

**Note:** When the door is mounted, the upper hinge should be just above the top horizontal door rod, and the lower hinge should be just below the bottom horizontal door rod (Figure 26).
9. Invert the latch connector assembly, and mount the latch connector brackets in the positions formerly occupied by the door hinges (Figure 28).

**Note:** The latch connector is now upside-down and must be inverted to work properly.

10. With a Phillips screwdriver and a 7/16 in. wrench, remove the two screws that hold the latch connector to the latch connector brackets (Figure 28), and remove the latch connector.
11. Invert the latch connector.



**Figure 29. Latch Connector Correctly Oriented**

**Note:** The latch connector is not symmetrical - the ends are different (Figure 29).

12. Remount the latch connector to the latch connector brackets oriented as shown in Figure 29. Leave the screws/nuts slightly loose so that the latch connector is free to move up and down to latch and unlatch properly.
13. Open, close, and latch the door several times to make sure it moves and locks easily. If not, review your work and make any necessary corrections. If necessary, refer to *Door and Latch Adjustment* on Page 63.

## Installing Divider Panels (Double-door Cages Only)

### Overview

On double-door cages, a stainless steel divider panel can be used to divide the cage into two smaller compartments. The panel can be installed or removed quickly and easily as required. Divider panel part numbers are shown in Table 11.

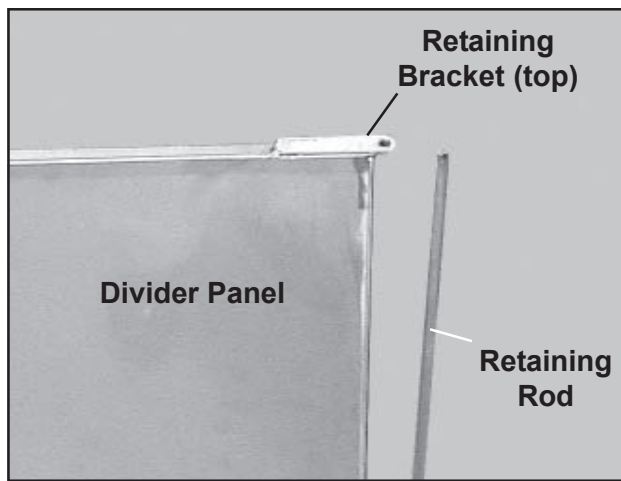
Fits Cage Size		SSCI Part Number
Inches	Centimeters	
24 H	60.96 H	12111-00-AADREI
30 H	76.20 H	12111-00-AAEPEI
36 H	91.44 H	12111-00-AAFNEI

**Table 11. Divider Panel Part Numbers**

### Installation

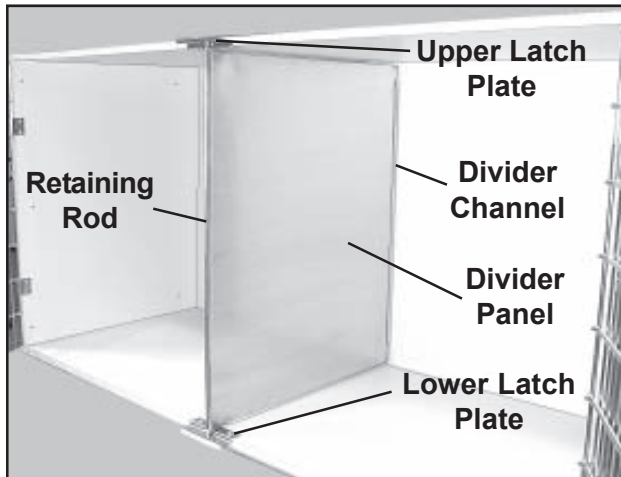
1. Open both cage doors.
2. Locate the edge of the divider panel that has the retainer brackets on top and bottom (Figure 30). This is the front edge of the panel.



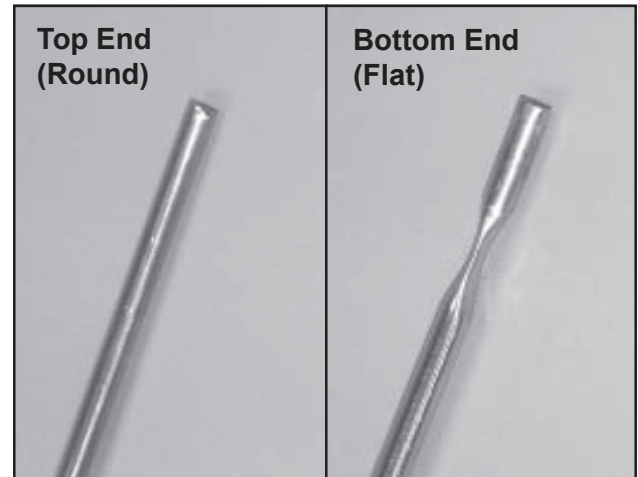


**Figure 30. Divider Panel Retaining Bracket**

3. Slide the rear edge of the divider panel into the cage and into the divider channel at the rear of the cage (Figure 31).
4. Pass the round end of the retaining rod (Figure 32) up through the center hole in upper latch plate (Figure 31), then fit the flat end of the rod down into the center hole in the lower latch plate.
5. Close the cage doors.



**Figure 31. Divider Panel in Cage**



**Figure 32. Divider Panel Retaining Rod**



## Chapter 3 - Use and Care

### Using Your Aristocrat Cage Arrangement

#### Opening the Doors

##### Single-door Cages

Lift up on the latch connector and pull the door open (Figure 33).

##### Double-door Cages

Squeeze the latch rods together (Figure 34) and open the door. The doors can be opened separately, or both at once.

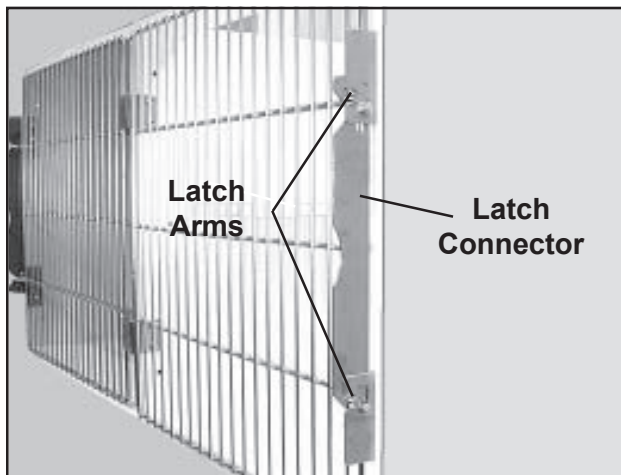


Figure 33. Single-door Cage Latch



Figure 34. Double-door Cage Latches

#### Closing and Latching the Doors

##### Single-door Cages

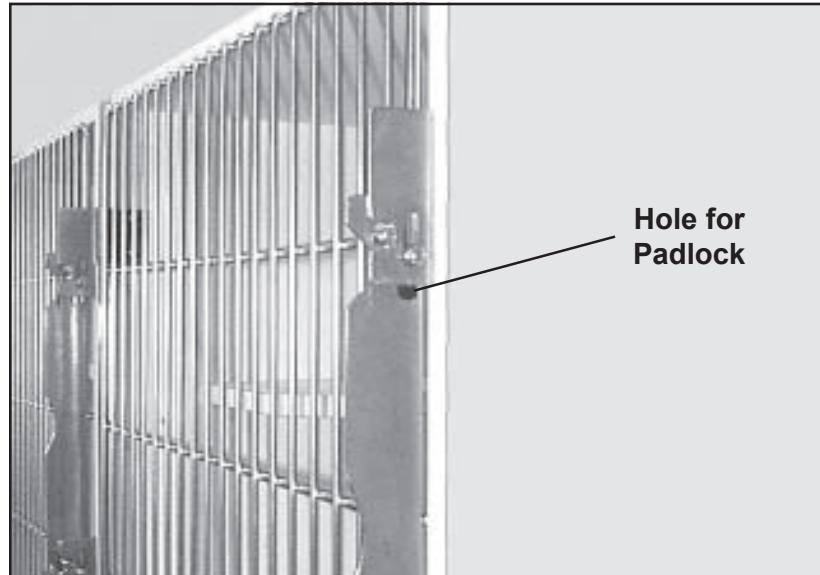
The door is held closed by a self-actuating latch connector which engages two latch arms on the door frame. When you close the door, the latch connector rides up and over the latch arms, and then drops down, automatically latching the door.

##### Double-door Cages

When you close the door, the latch mechanism automatically locks the door as it swings shut.

### **Locking the Cage (Single-door Cages Only)**

On single-door cages, provision is made to allow you to secure the cage with a padlock. A hole in the latch connector (Figure 35) accepts a padlock with a hasp of 1/4 in. (6.35 mm) diameter or less. Merely close and latch the cage door, place the hasp of the lock through the padlock hole, then snap the lock closed.



**Figure 35. Securing a Single-door Cage With a Padlock**

### **Moving the Base and Cages (Mobile Bases Only)**

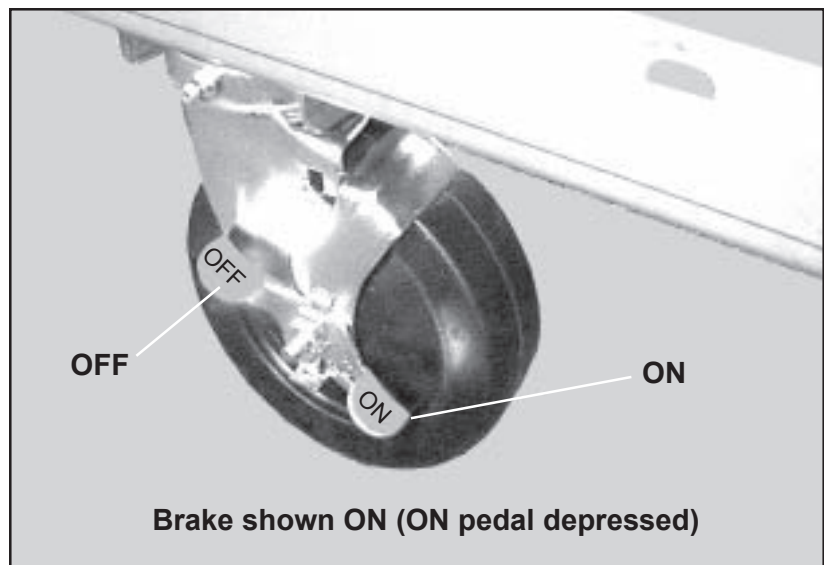
When mounted on an mobile base, a cage arrangement can be moved from place to place as needed. To move the mobile base and cage assembly, release the wheel brakes, push or pull the assembly to its new location, and then engage the brakes again.

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

### **Using the Wheel Brakes (Mobile Bases Only)**

Brakes are mounted on the front casters on SSCI mobile bases. The words **ON** and **OFF** are stamped onto the ends of the brake lever (Figure 36). 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 base is not actually being moved. Be especially careful when the base is not on a level surface and may be free to roll uncontrolled.



**Figure 36. Wheel Brake ON/OFF Pedal**

### **Adjusting the Door Latch**

If the latch and/or door are not properly adjusted, you may have difficulty in opening the door, and it may not lock automatically when closed. To adjust the door and/or latch, refer to *Door and Latch Adjustment* on Page 63.

### **Reversing the Door Hinges (Single-door Cages Only)**

All single-door Aristocrat cages come from the factory hinged on the left and latched on the right. The doors are ambidextrous, however, and can be easily reversed to open the other way, if desired. To reverse the hinges, refer to *Reversing the Door Hinges* on Page 32.

### **Using the Divider Panels (Double-door Cages Only)**

An optional stainless steel divider panel can be installed into a double-door cage to convert the cage into two smaller compartments. The panel can be installed and removed easily and quickly. The panel is held in place at the rear by a full-height divider channel, and at the front by a retaining rod that fits into the upper and lower latch plates.

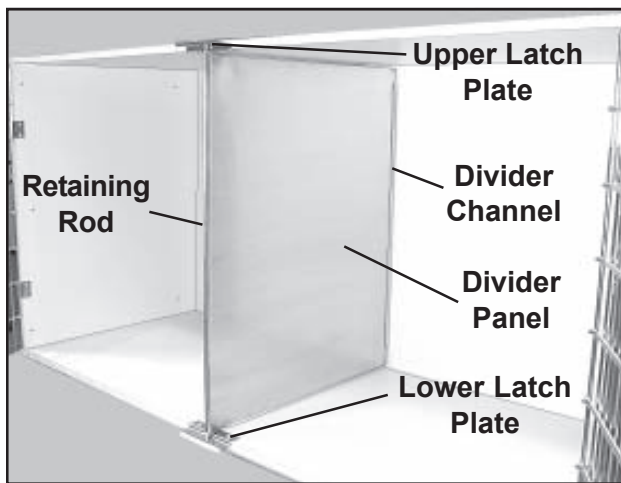
#### **Installation**

To install a divider panel, refer to *Installing Divider Panels* on Page 34.

#### **Removal**

To remove a divider panel:

1. Open both cage doors.



**Figure 37. Divider Panel in Cage**

2. Lift the retaining rod up until it clears the lower latch plate, then lower the rod until the top end clears the upper latch plate (Figure 37).
3. Slide the divider panel out of the cage.

## Cleaning Your Aristocrat Cage

### Introduction

Although there are no recommended cleaning intervals, you will no doubt want to clean your Aristocrat cages frequently. Maintaining high standards of sanitation will be an important priority for your facility.

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

### Cleaning Stainless Steel Cage Doors

Whenever necessary, rinse the cage door with clear water and dry thoroughly with clean, soft cloths. Refer to *Care and Cleaning of Stainless Steel* on Page 7 for more detailed information.

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.

## **Cleaning Laminated Surfaces**

### **Cleaning Tips**

To clean the laminated surface, use a damp cloth or sponge and a mild soap or detergent. Difficult stains such as coffee or tea can be removed using a mild household cleaner and baking soda, mixed to a paste-like consistency. Using a stiff nylon bristle brush, scrub (approx. 15 to 20 strokes) the affected area. Do not scrub so hard as to mar the surface finish.

Stubborn stains that resist the above cleaning method may require the use of undiluted household bleach or nail polish remover. Using a cotton ball saturated with bleach or nail polish remover (acetone), gently rub the stain for up to two minutes. Rinse thoroughly with warm water and wipe dry using a soft cloth. This step may be repeated if the stain appears to be going away, and the color of the laminate has not been affected.

**CAUTION: Prolonged exposure of the laminate surface to bleach will cause discoloration. Always rinse laminate surfaces after cleaning! Failure to rinse after cleaning can cause damage even if only a small amount of cleaning solution remains on the surface. A dry residue may be invisible, however, moisture from cups or drinks can reactivate it, and result in permanently etched scars or stains over time.**

### **Substances to Avoid**

**Acidic or abrasive cleaners** can damage laminate surfaces - do not use them. Drain cleaners containing lye will permanently damage the laminate surface. If you spill or splash a drain cleaner on the laminate, wipe it up immediately and rinse several times with water.

**Hair, textile, and food dyes** can cause permanent stains. If dye should happen to spill or splash on the laminate, wipe it up immediately with dishwashing detergent or an all-purpose cleaner. Wipe spills away promptly and rinse several times with water.

**Rust removers** contain harsh chemicals which will quickly cause permanent damage. If a spill or splash occurs, wipe off all residue immediately, wash thoroughly with soapy water, and rinse several times.



**Steel wool** and other abrasive pads will damage the laminate surface. Do not use them for cleaning, and do not leave steel wool pads on the laminate; the metal can rust and leave stains.

**Toilet bowl cleaners** contain harsh chemicals that can cause permanent damage. If spills or splashes occur, wipe up immediately, wash the surface with soapy water and rinse several times.

### Recommended Cleaners

The following commercially available cleaners can be used on the laminated surface:

- Clorox® (avoid prolonged exposure)
- Formula 409®
- Dawn®
- Glass Plus®
- Dow Bathroom Cleaner with Scrubbing Bubbles™
- Fantastik®
- Favor®
- Windex®
- Lestoil®
- Pledge®
- Grease Relief®
- Lysol® Brand Disinfectant Basin/Tub/Tile Cleaner
- Mr. Clean®
- TOP JOB®

### Cleaners to Avoid

DO NOT use the following cleaners on the laminate:

- | <b>Chemical Ingredient</b> | <b>Synonymous Names</b>  |
|----------------------------|--|
| ■ Hydrochloric Acid        | <i>Muriatic Acid</i><br><i>Hydrogen Chloride</i><br><i>Oleic Acid</i><br><i>Oil of Vitriol</i><br><i>Oleum</i> |
| ■ Hydrofluoric Acid        | <i>Rust Remover</i>  |
| ■ Phosphoric Acid          | <i>Rust Remover</i>  |
| ■ Sodium Hydroxide         | <i>Caustic Soda</i><br><i>Caustic</i><br><i>Lye</i><br><i>Soda Lye</i>   |
| ■ Pumice (abrasive)        |  |

### **Sharp Objects**

Sharp objects can damage the laminate surface, marring its beauty, and lowering wear and stain resistance. Although high pressure laminates are somewhat resistant to scratching and marring, the surface can be damaged even under normal use.

### **Dusting**

The laminate may need occasional dusting. To keep the surface beautiful, use a non-oily furniture spray. (Remember to clean the spray off several times a year to prevent build-up.) Furniture polish can also help hide fine scratches in the surface.

### **Cleaning Clear Polycarbonate Back Panels**

On full-view back Aristocrat cages, the clear polycarbonate back panels can be cleaned with plain soap and water, or with a mild commercial glass cleaner. Always use clean, soft cloths and keep in mind that hard scrubbing can scratch the panels. Thoroughly rinse with cold water and dry completely. Clean any heavy deposits of animal fluids off the back panels as soon as possible before they harden.

### **Routine Maintenance**

Other than regular cleaning, the only routine maintenance required on Aristocrat cage arrangements is the semiannual inspection and lubrication of the casters on SSCI mobile bases. Refer to the *Owner's Manual* supplied with the mobile base for information on inspection, lubrication, parts replacement procedures, and part numbers for casters and brakes.

# Chapter 4 - Maintenance and Repairs

## Replacement Parts

Tables 12 through 15 list the replacement parts available for Aristocrat cages:

- **Table 12** - Single-door cages: replacement parts, except doors and latch connectors
- **Table 13** - Single-door cages: replacement doors and latch connectors
- **Table 14** - Double-door cages: replacement parts, except doors and latch rods
- **Table 15** - Double-door cages: replacement doors and latch rods

For parts not listed in these tables, contact SSCI Customer Service at (800) 323-7366. Refer to *Parts Ordering Procedure* on *Page 48*.

Table 12 lists SSCI part numbers of replacement parts for single-door Aristocrat cages.

Part Name	SSCI Part Number	Quantity	Replacement Instructions
Cage Door	Refer to Table 13	1	<i>Page 49</i>
Latch Connector	Refer to Table 13	1	<i>Page 53</i>
Latch Connector Bracket, Top	620012-1	1	<i>Page 54</i>
Latch Connector Bracket, Bottom	620012-2	1	
Hinge Plate, Flat	619953-2	2	<i>Page 56</i>
Hinge Plate, Curved	619953-3	2	
Wheel/Caster Assembly	Mobile arrangements only - refer to base <i>Owner's Manual</i>		

**Table 12. Replacement Parts for Single-door Aristocrat Cages**

Table 13 lists SSCI part numbers of replacement cage doors and latch connectors for single-door Aristocrat cages.

<b>Cage Size (inches)</b>	<b>Cage Door SSCI Part Number</b>	<b>Latch Connector SSCI Part Number</b>
18 W x 18 H	209790	616438
24 W x 18 H	209791	616438
18 W x 24 H	209792	611077
24 W x 24 H	209793	611077
30 W x 24 H	209794	611077
36 W x 24 H	209795	611077
24 W x 30 H	209796	611078
30 W x 30 H	209797	611078
36 W x 30 H	209798	611078
42 W x 30 H	209799	611078
48 W x 30 H	209800	611078
24 W x 36 H	209801	611079
30 W x 36 H	209802	611079
36 W x 36 H	209814	611079
42 W x 36 H	209803	611079
48 W x 36 H	209804	611079

**Table 13. Replacement Cage Doors and Latch Connectors for Single-door Aristocrat Cages**

Table 14 lists SSCI part numbers of replacement parts for double-door Aristocrat cages.

Part Name	SSCI Part Number	Quantity	Replacement Instructions
Cage Door	Refer to Table 15	2	Page 51
Latch Plate	615403	2	Page 55
Hinge Plate, Flat	619953-2	4	Page 56
Hinge Plate, Curved	619953-3	4	
Divider Panel	12111-00-AADREI	1 on 24" high cages	Page 57
	12111-00-AAEPEI	1 on 30" high cages	
	12111-00-AAFNEI	1 on 36" high cages	
Divider Channel	615836	1 on 24" high cages	Page 58
	611080	1 on 30" high cages	
	611081	1 on 36" high cages	
Divider Panel Retaining Rod	18005-00-AADMAA	1 on 24" high cages	Page 59
	18005-00-AAENAA	1 on 30" high cages	
	18005-00-AAFKAA	1 on 36" high cages	
Latch Cover	615407	1 per door	Page 60
Latch Rod	Refer to Table 15	2 per door	Page 61
Latch Retaining Ring	854078	2 per door	
Latch Washer	615375	4 per door	
Latch Spring	852437	2 per door	
Wheel/Caster Assembly	Mobile arrangements only - refer to base <i>Owner's Manual</i>		

**Table 14. Replacement Parts for Double-door Aristocrat Cages**

Table 15 lists SSCI part numbers of replacement doors and latch rods for double-door Aristocrat cages.

Cage Size (inches)	Cage Door SSCI Part Number	Latch Rod SSCI Part Number
48 W x 24 H	210166	550545
48 W x 30 H	209827	850490
48 W x 36 H	209828	850491
60 W x 36 H	209829	
72 W x 36 H	209830	

**Table 15. Replacement Cage Doors and Latch Rods for Double-door Aristocrat Cages**

## 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

You can order new equipment, accessories, and/or replacement parts directly through SSCI Customer Service by mail, telephone, or fax. Refer to *SSCI Contact Information* on *Page 2* 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

### Cage Door (Single-door Cages)

Refer to Table 13 for Part Number

The following sections guide you in replacing worn, damaged, or missing parts on an Aristocrat cage or cage arrangement.

#### General

These instructions are suitable for any door, on any size Aristocrat single-door cage, either hinged-left or hinged-right.

#### Tool Required

- Phillips screwdriver

#### Procedure

**Note:** Removing and installing the door will be easier if a second person supports the door while you work on the hinges.

1. If there are any accessories on the cage door that you wish to reuse (card holders, food and water bowls, etc.) remove them from the door.
2. Open the cage door.
3. With a Phillips screwdriver, unscrew the two screws on the lower door hinge (Figure 38), and remove both hinge plates (Figure 39).
4. Unscrew the two screws on the upper door hinge, and remove both hinge plates, and the door.

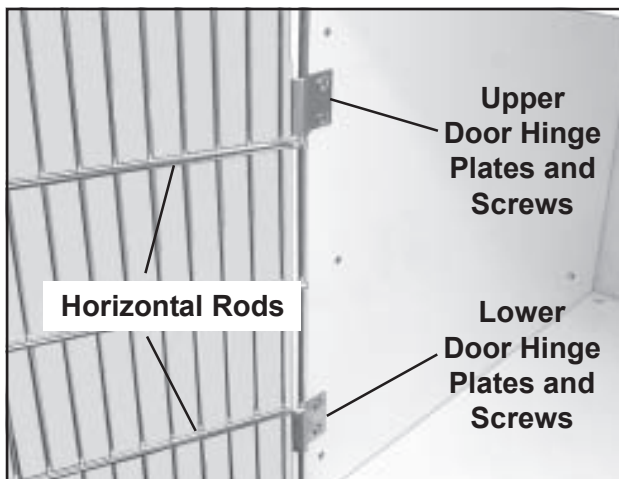


Figure 38. Upper and Lower Door Hinges

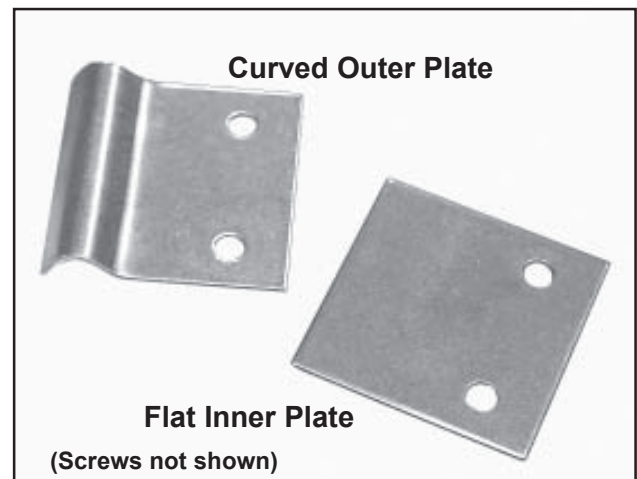
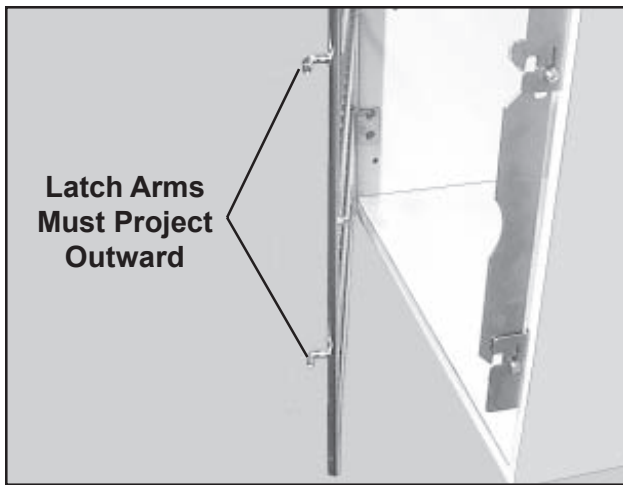


Figure 39. Door Hinge Parts



**Figure 40. Latch Arms on Door**

5. Orient the new door so that the latch arms project outwards (Figure 40).  
**Note:** If these arms point inward, the door will not close or latch properly.  
**Note:** When mounting the new door, the upper hinge should be just above the top horizontal door rod (Figure 38), and the lower hinge should be just below the bottom horizontal door rod.
6. Mount the two upper hinge plates, and the door, to the cage wall. The flat hinge plate goes against the cage wall.  
**Note:** Leave the screws slightly loose for now.
7. Finish hanging the door by engaging the door into the lower hinge plates, and mounting them to the cage wall.
8. Tighten all hinge plate screws.
9. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Door and Latch Adjustment* on Page 63.
10. Remount any needed accessories onto the door.



## Cage Door (Double-door Cages)

Refer to Table 15  
for Part Number

### General

These instructions are suitable for any door, on any size Aristocrat double-door cage.

### Tool Required

- Phillips screwdriver

### Procedure

**Note:** Removing and installing the door will be easier if a second person supports the door while you work on the hinges.

1. If there are any accessories on the cage door that you wish to reuse (card holders, food and water bowls, etc.) remove them from the door.
2. Open the cage door.
3. With a Phillips screwdriver, unscrew the two screws on the lower door hinge (Figure 41), and remove both hinge plates (Figure 42).
4. Unscrew the two screws on the upper door hinge, and remove both hinge plates, and the door.

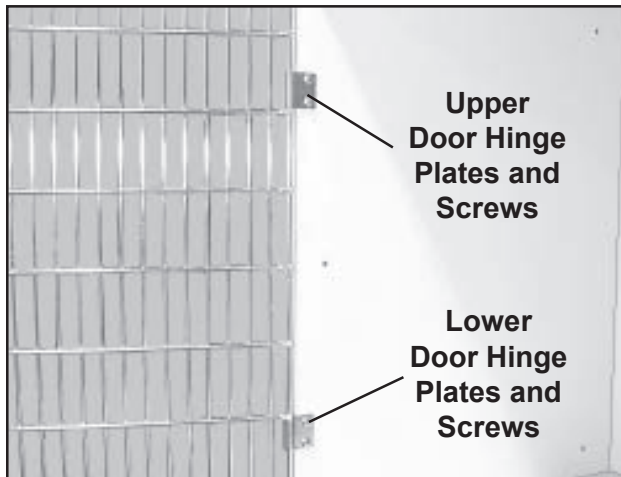


Figure 41. Upper and Lower Door Hinges

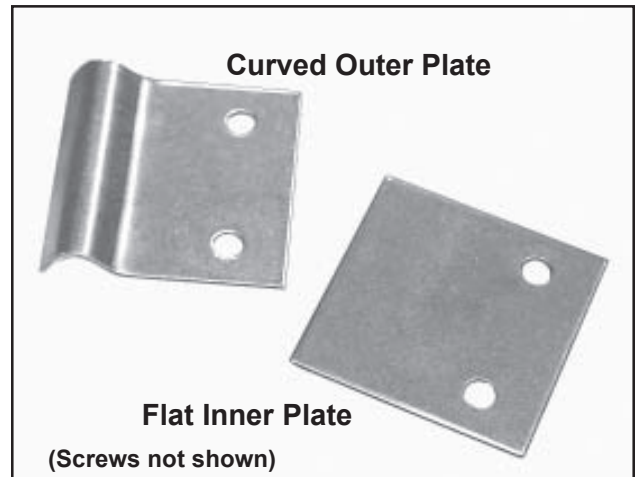


Figure 42. Door Hinge Parts

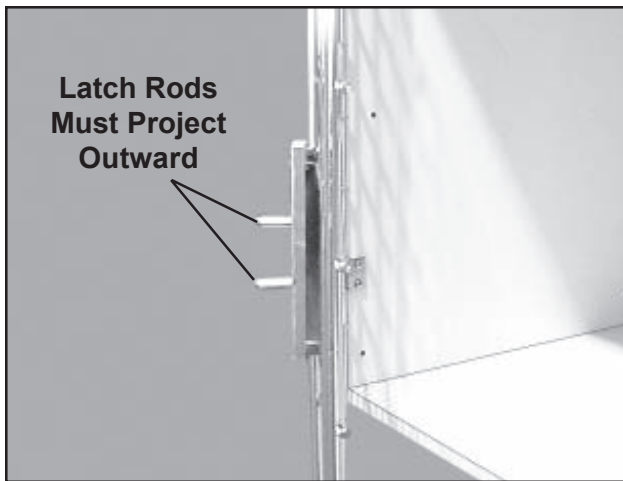


Figure 43. Latch Rods on Door

5. Orient the new door so that the latch rods project outwards (Figure 43).  
**Note:** If these rods point inward, the door will not close or latch properly.
6. Mount the two upper hinge plates, and the door, to the cage wall. The flat hinge plate goes against the cage wall.  
**Note:** Leave the screws slightly loose for now.
7. Finish hanging the door by engaging the door into the lower hinge plates, and mounting them to the cage wall.
8. Tighten all hinge screws.
9. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Door and Latch Adjustment* on Page 63.
10. Remount any needed accessories onto the door.

## Latch Connector (Single-door Cages)

Refer to Table 13  
for Part Number

### General

These instructions are suitable for any door, on any size Aristocrat single-door cage, either hinged-left or hinged-right.

### Tools Required

- Phillips screwdriver
- 7/16 in. wrench

### Procedure

1. Open the cage door.

**Note:** The latch connector is not symmetrical - the ends are different (Figure 44).

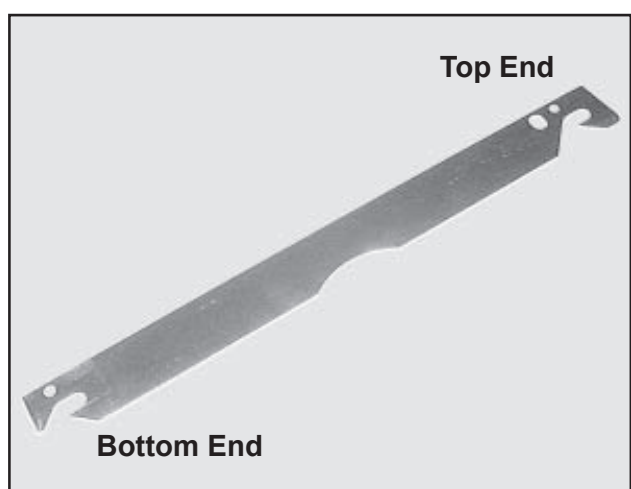


Figure 44. Latch Connector Orientation

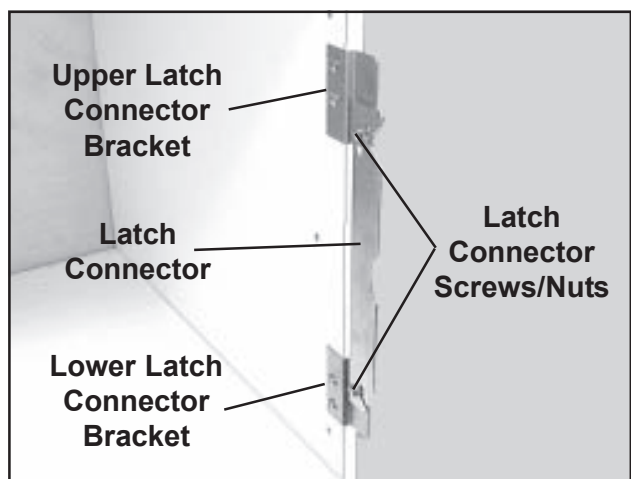


Figure 45. Latch Connector and Bracket Assembly

2. Carefully note the orientation of the latch connector to make sure you install the replacement correctly.
3. With a Phillips screwdriver and a 7/16 in. wrench, remove the two screws/nuts that hold the latch connector to the upper and lower latch connector brackets, and remove the latch connector (Figure 45).
4. Orient the new latch connector properly and, with the screws/nuts removed in *Step 3*, mount the latch connector to the latch brackets. Leave the screws/nuts slightly loose so that the latch connector is free to move up and down to latch and unlatch properly.
5. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Door and Latch Adjustment* on Page 63.

**Latch Connector  
Bracket, Top  
(Single-door Cages)**  
P/N 620012-1

**General**

These instructions are suitable for any size single-door Aristocrat cage, either hinged-left or hinged-right. The latch connector brackets are similar, and are removed and installed in the same way.

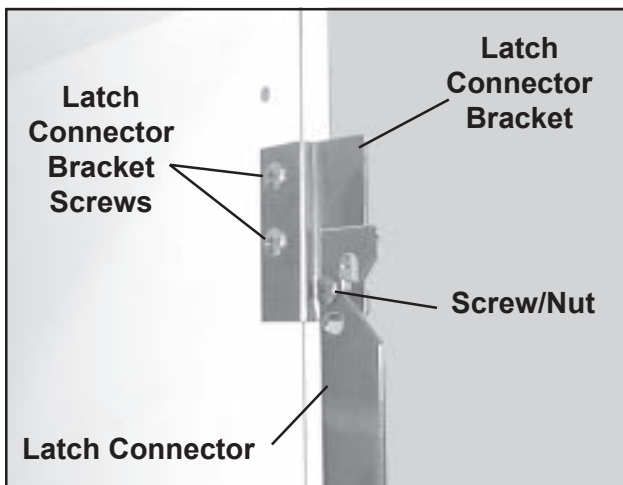
**Latch Connector  
Bracket, Bottom  
(Single-door Cages)**  
P/N 620012-2

**Tools Required**

- Phillips screwdriver
- 7/16 in. wrench

**Procedure**

1. Open the cage door.
2. With a Phillips screwdriver and a 7/16 in. wrench, remove the screw/nut that holds the latch connector to the latch connector bracket to be replaced (Figure 46).



**Figure 46. Top Latch Connector Bracket and Latch Connector (Bottom Similar)**

3. With a Phillips screwdriver, remove the two screws holding the latch connector bracket to the cage wall, and remove the bracket.
4. Mount the new latch connector bracket to the cage wall with the screws removed in *Step 3*.
5. With the screw/nut removed in *Step 2*, remount the latch connector to the new latch connector bracket. Leave the screw/nut slightly loose so that the latch connector is free to move up and down to latch and unlatch properly.
6. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Door and Latch Adjustment* on Page 63.

**Latch Plate  
(Double-door Cages)  
P/N 615403**

**General**

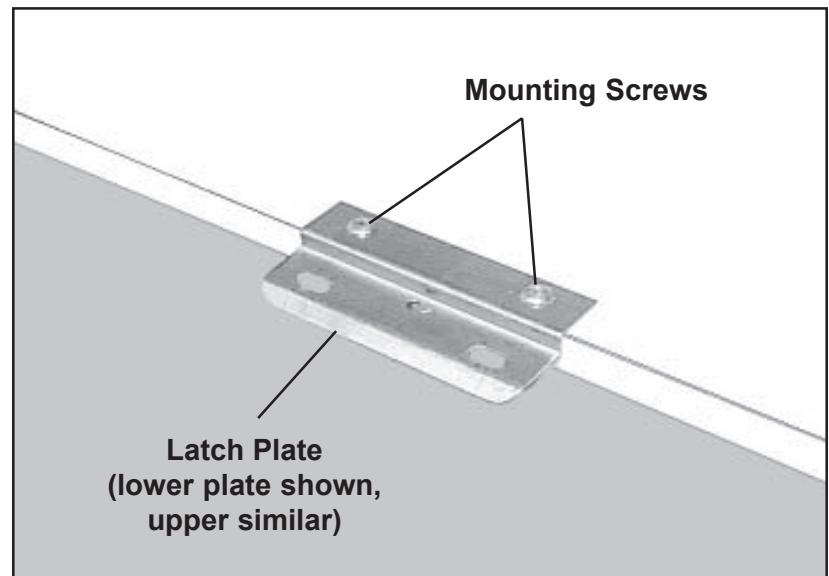
Latch plates are present only on double-door cages. There are two latch plates, one on the floor of the cage, and one on the ceiling. The plates are identical, and are removed and installed in the same way.

**Tool Required**

- Phillips screwdriver

**Procedure**

1. Open both cage doors.
2. Remove the divider panel, if installed.



**Figure 47. Lower Latch Plate**

3. With a Phillips screwdriver, remove the two mounting screws that hold the latch plate to the cage, and remove the plate (Figure 47).
4. Mount the new latch plate to the cage with the mounting screws removed in *Step 3*.
5. Open and close the doors several times to make sure they latch easily. If you have a problem, refer to *Door and Latch Adjustment* on *Page 63*.
6. Replace the divider panel, if desired.

**Hinge Plate, Flat  
(All Cages)  
P/N 619953-2**

**Hinge Plate, Curved  
(All Cages)  
P/N 619953-3**

**General**

These instructions are suitable for all Aristocrat cages, including all double-door cages, and all single-door cages, hinged-left or hinged-right.

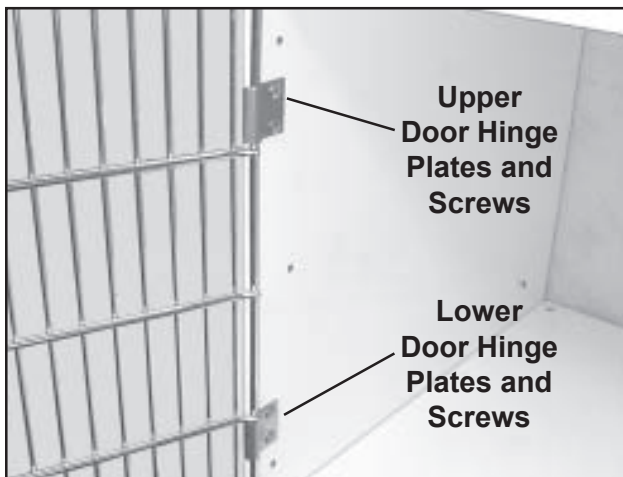
**Tool Required**

- Phillips screwdriver

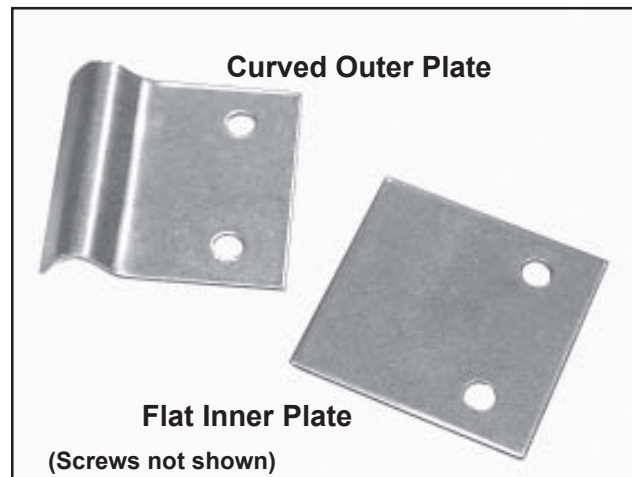
**Procedure**

**Note:** Replacing a hinge plate will be easier if a second person supports the door while you work on the hinge.

1. Open the cage door.
2. With a Phillips screwdriver, unscrew the two screws on the door hinge (Figure 48), and remove either or both hinge plates, as required (Figure 49).
3. Engage the door frame into the new hinge plates, and mount the assembly to the cage wall.
4. Open and close the door several times to make sure it swings and latches easily. If you have a problem, refer to *Door and Latch Adjustment* on Page 63.



**Figure 48. Upper and Lower Door Hinges**



**Figure 49. Door Hinge Parts**

## Divider Panel (Double-door Cages)

24 in. high cages -  
P/N 12111-00-AADREI

30 in. high cages -  
P/N 12111-00-AAEPEI

36 in. high cages -  
P/N 12111-00-AAFNEI

### General

Divider panels are only used on double-door cages.

### Procedure

1. Open both cage doors.
2. Lift the retaining rod up until it clears the lower latch plate, then lower the rod until the top end clears the upper latch plate (Figure 50).
3. Slide the old divider panel out of the cage.
4. Slide the new divider panel into the cage and make sure that it seats into the divider channel at the rear of the cage.
5. Pass the round end of the retaining rod (Figure 51) up through the center hole in upper latch plate (Figure 50), then fit the flat end of the rod down into the center hole in the lower latch plate.

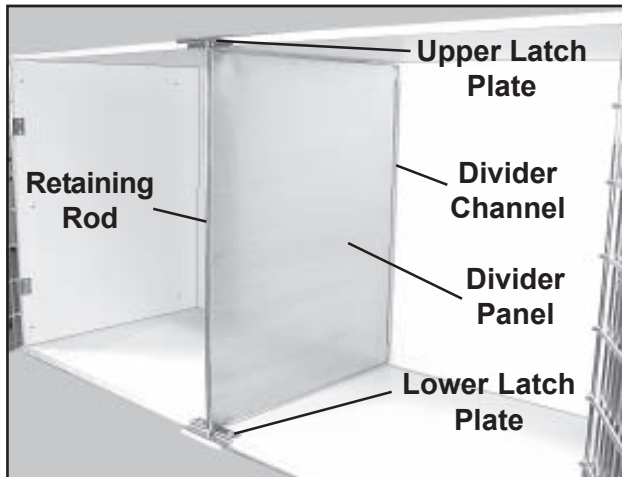


Figure 50. Divider Panel in Cage

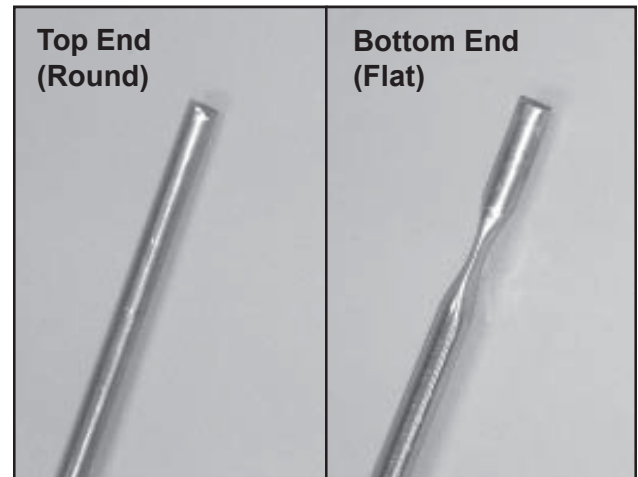


Figure 51. Divider Panel Retaining Rod

## Divider Channel (Double-door Cages)

24 in. high cages -  
P/N 615836

30 in. high cages -  
P/N 611080

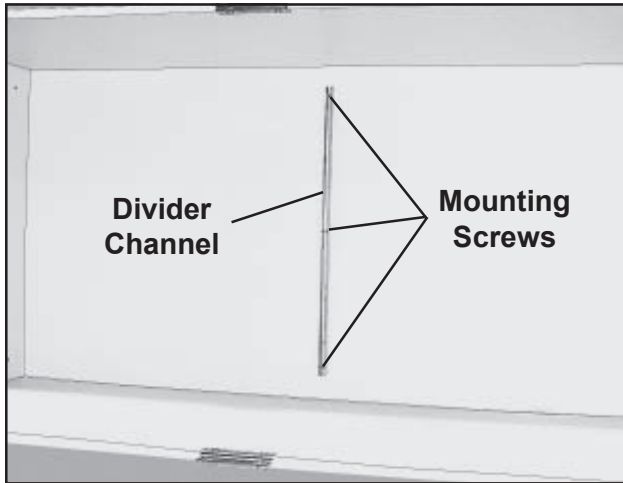
36 in. high cages -  
P/N 611981

### General

Divider channels are present only on double-door cages. These channels are mounted inside the cage, on the rear wall, and hold the divider panel in place.

### Tools Required

- Phillips screwdriver



**Figure 52. Divider Channel and Mounting Screws**

### Procedure

1. Remove the divider panel. Refer to *Divider Panel, Steps 1 through 3 on Page 57.*
2. With a Phillips screwdriver remove the three mounting screws (Figure 52) that hold the divider channel in place, and remove the channel.
3. Hold the new channel in place and secure with the three mounting screws.
4. Install the divider panel. Refer to *Divider Panel, Steps 4 and 5 on Page 57.*



## **Divider Panel Retaining Rod (Double-door Cages)**

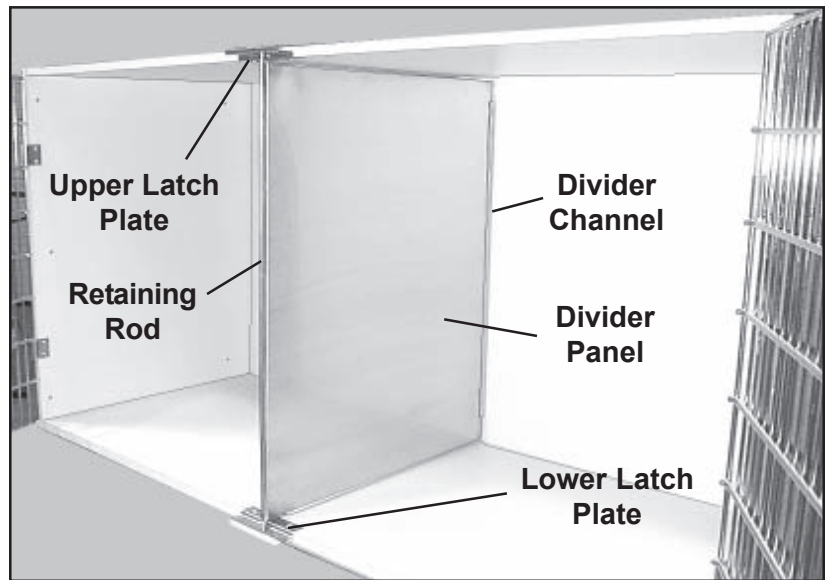
**24 in. high cages -  
P/N 18005-00-AADMAA**  
**30 in. high cages -  
P/N 18005-00-AAENAA**  
**36 in. high cages -  
P/N 18005-00-AAFKAA**

### **General**

Divider panel retaining rods are present only on double-door cages. These rods are mounted on the divider panels and hold the front ends of the panels in place.

### **Procedure**

1. Open both cage doors.
2. Lift the old retaining rod up until it clears the lower latch plate, then lower the rod until the top end clears the upper latch plate (Figure 53).
3. Pass the round end of the new retaining rod (Figure 51) up through the center hole in upper latch plate (Figure 53), then fit the flat end of the rod down into the center hole in the lower latch plate.



**Figure 53. Divider Panel Retaining Rod**

**Latch Cover  
(Double-door Cages)  
P/N 615407**

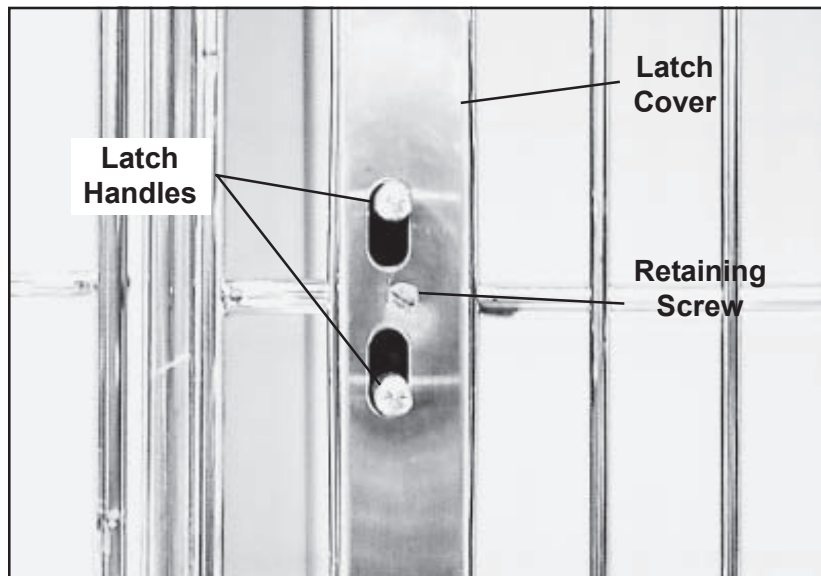
These instructions are suitable for any size, double-door Aristocrat cage. There is a latch cover on each door of the cage; they are identical and can be removed and installed the same way.

**Tool Required**

- Small, flat-blade screwdriver

**Procedure**

1. With a small, flat-blade screwdriver, unscrew the retaining screw in the latch cover (Figure 54).
2. Lift off the latch cover.
3. Place the new latch cover on the latch mechanism with the latch handles through the holes in the cover.
4. Secure the cover in place with the screw removed in *Step 1*.



**Figure 54. Latch Cover on Aristocrat Double-door Cage**

**Latch Rod  
(Double-door Cages)**

24 in. high cages -

P/N 550545

30 in. high cages -

P/N 850490

36 in. high cages -

P/N 850491

**Retaining Ring  
(Double-door Cages)**

P/N 854078

**Washer  
(Double-door Cages)**

P/N 615375

**Latch Spring  
(Double-door Cages)**

P/N 852437

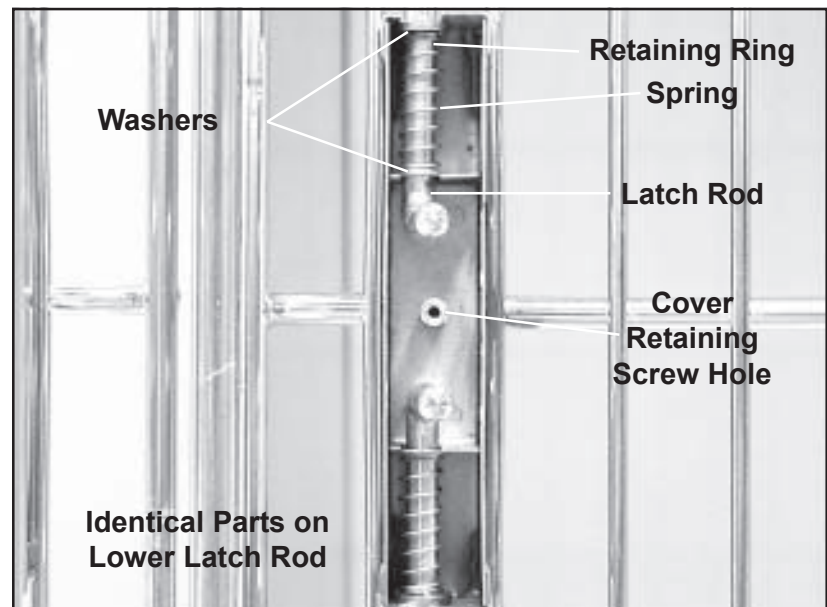
These instructions are suitable for any size, double-door Aristocrat cage. There is one upper and one lower latch rod in the latch mechanism on each double-door cage. All latch rods on a single cage are identical and can be removed and installed the same way. Once you have removed the latch rod from the mechanism, you can replace the latch rod, the retaining ring, the latch washers, and/or the latch spring.

**Tool Required**

- Small, flat-blade screwdriver

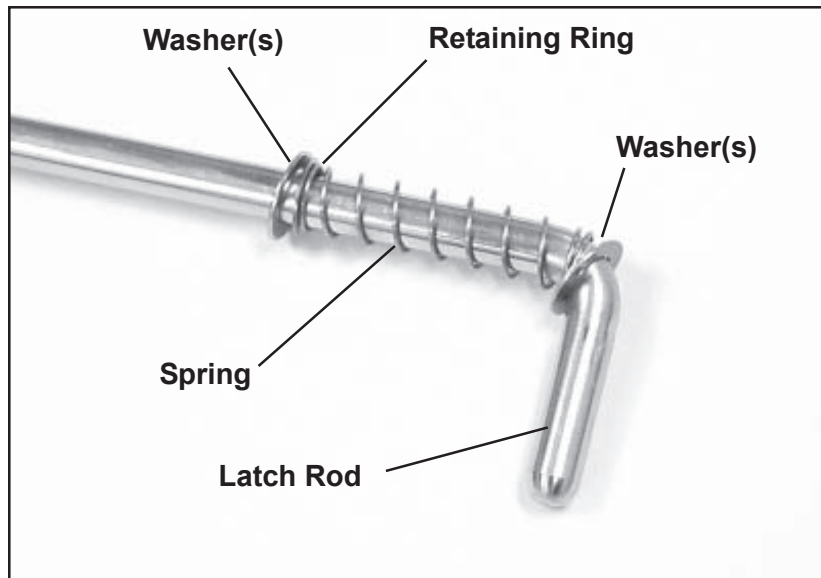
**Removal**

1. With a small, flat-blade screwdriver, unscrew the retaining screw in the latch cover (Figure 54).
2. Lift off the latch cover.



**Figure 55. Latch Mechanism Interior Parts**

3. Grasp the latch rod and pull it straight out, disengaging it from the upper or lower latch plate.  
**Note:** Be careful not to lose the washers on the latch rod.
4. Note carefully the orientation of the various parts on the latch rod (Figures 55 and 56).
5. Slide the upper and lower washers off the latch rod.



**Figure 56. Latch Rod and Associated Parts**

6. With a small, flat-blade screwdriver, pry the retaining ring off the latch rod.
7. Slide the spring off the latch rod.

#### **Installation**

1. Slide the spring onto the latch rod.
2. Compress the spring downwards and push the retaining ring into place in the groove in the latch rod.
3. Replace the washers onto the latch rod in the same orientation as they were when you removed them.
4. Slide the upper end (or lower end, as appropriate) through the hole in the upper (or lower) latch plate, compress the spring and washers, and fit the latch rod into place.
5. Replace the latch cover.
6. Secure the latch cover with the screw removed earlier.

## Door and Latch Adjustment

### Adjusting Door Position (All Cages)

#### General

If the door rides too high or too low in the hinges, it may not latch automatically when the door is closed.

#### Tool Required

- Phillips screwdriver

#### Procedure

1. Open the cage door.
2. With a Phillips screwdriver, slightly loosen all four hinge plate screws (Figure 57).
3. Gently tap the door up or down as required. The top and bottom horizontal rods on the door should be equally spaced between the hinges.
4. Tighten all four hinge plate screws.

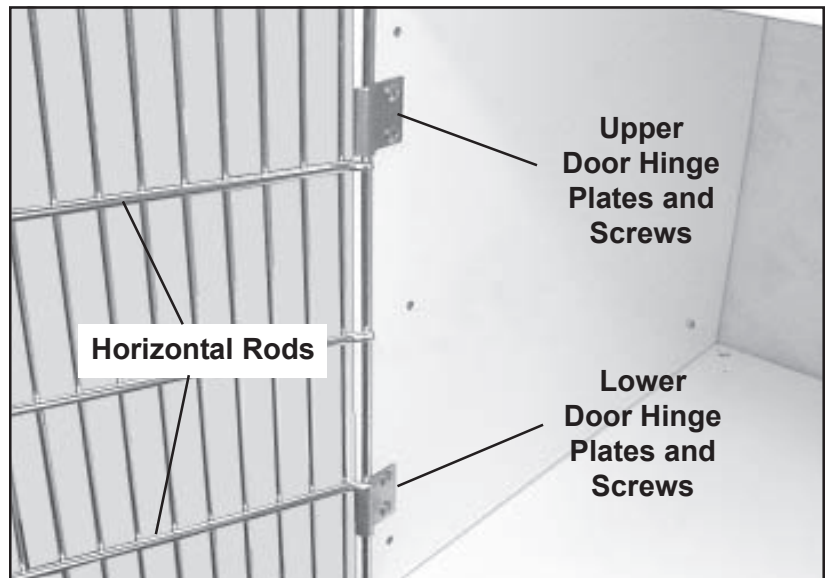


Figure 57. Upper and Lower Door Hinges

## Adjusting the Latch (Single-door Cages)

### General

If the latch connector and door are not properly adjusted, you may have difficulty in opening the door, and/or it may not latch automatically when closed.

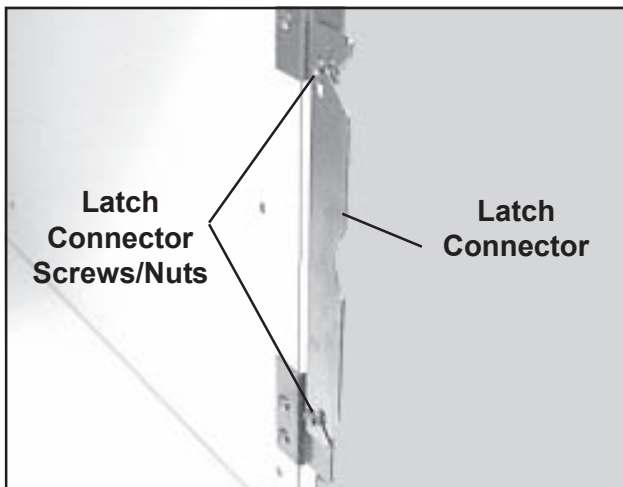
First, check the latch connector screws/nuts for proper tightness. If the screws/nuts are too tight, it will prevent free movement of the latch connector.

### Tools Required

- 7/16 in. wrench
- Phillips screwdriver

### Procedure

1. Open the cage door.
2. Try moving the latch connector up and down. It should move freely.



**Figure 58. Latch Connector Screws/Nuts**

3. If it does not, slightly loosen both latch connector screws/nuts (Figure 58). These screws/nuts must be loose enough to allow the latch connector to move freely.
4. Close and open the door again, and repeat the adjustment, if necessary, until the latch mechanism works smoothly.
5. If the door and/or latch still do not operate properly, refer to *Adjusting Door Position on Page 63*.

## Adjusting the Latch (Double-door Cages)

### General

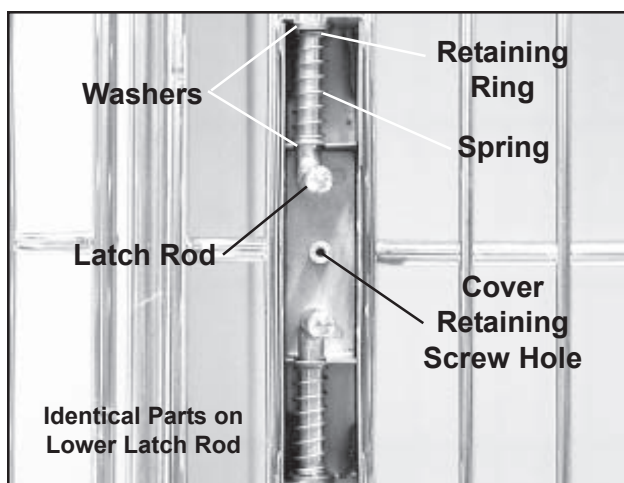
If the door fails to latch or unlatch properly, the latch rods may be riding too high or too low in the upper and/or lower latch plates. The position of the latch rods is controlled by shim washers inside the latch mechanism. Adding or removing shim washers can alter the position of the latch rods in the latch plates.

### Tool Required

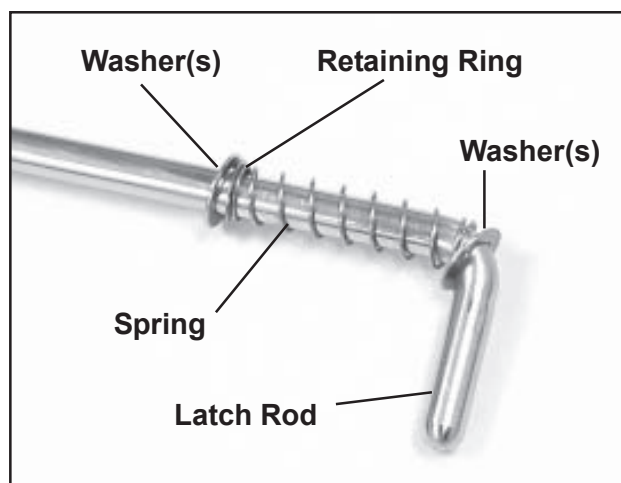
- Small, flat-blade screwdriver

### Procedure

1. Disassemble the latch mechanism. Refer to *Latch Rod, Removal, Steps 1 through 7* starting on *Page 61*.
2. Adjust the shim washers as necessary:
  - To make the latch rod ride deeper in the latch plate (to latch more tightly), reduce the number of washers next to the retaining ring, and increase the number near the 90° bend in the latch rod.
  - To make the latch rod ride shallower in the latch plate (to unlatch more easily), increase the number of washers next to the retaining ring, and reduce the number near the 90° bend in the latch rod.
3. Reassemble the latch mechanism. Refer to *Latch Rod, Installation, Steps 1 through 6* starting on *Page 62*.



**Figure 59. Latch Mechanism Interior Parts**



**Figure 60. Latch Rod and Associated Parts**

## **Straightening a Deformed Door (All Cages)**

### **General**

If the door will still not open or latch properly, it may have been deformed in some way.

### **Tools Required**

- Tape measure
- Phillips screwdriver

### **Procedure**

1. Measure the door diagonally from upper-right to lower-left (Figure 61) and record the dimension.
2. Measure the door from upper-left to lower-right and record that dimension.



**Figure 61. Measuring the Cage Door for Deformation**

3. 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 4* to straighten the door.
4. Remove the door from the cage. Refer to:
  - *Cage Door (Single-door Cages) - Procedure, Steps 1 through 4 on Page 44).*or:
  - *Cage Door (Double-door Cages) - Procedure, Steps 1 through 4 on Page 51).*



5. Hold the door by one of the corners of the longer dimension.
6. Rap the diagonally opposite corner of the door *once*, lightly on the floor. **Note:** *Do not use great force*; just one gentle rap is usually sufficient.
7. Remeasure the door and repeat the process until both dimensions are the same.
8. When the door is correct, remount the door onto the cage. Refer to:
  - *Cage Door (Single-door Cages) - Procedure, Steps 5 through 10 on Page 50).*or:
  - *Cage Door (Double-door Cages) - Procedure, Steps 5 through 10 on Page 52).*
9. Open and close the door several times to make sure it opens, swings, and latches easily.



# Chapter 5 - Troubleshooting

## General

The following procedures will help you fix most of the problems that you might encounter with your Aristocrat cage or cage arrangement. If necessary, please feel free to call SSCI Customer Service at (800) 323-7366. Our experienced personnel will be glad to help you.

For more information on contacting SSCI, refer to *SSCI Contact Information* on Page 2.

Part numbers for available replacement parts are shown on Pages 45 through 48. To order replacement parts, refer to *Parts Ordering Procedure* on Page 48.

Possible problems are listed below along with their page references:

- The cage door does not close or latch correctly. -----Page 70
- The cage/base does not roll freely (**Mobile Bases Only**). -----Page 72
- The cage/base rolls even when the brakes are on (**Mobile Bases Only**). Page 73

## Returning Cage Elements for Repairs

### RMA Numbers

If elements of your cage arrangement 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 item back. **Note:** SSCI will *not* accept merchandise returned without an RMA number.

### Packing and Shipment

Package the item in a suitable container and fasten the cover securely in place. Ship documentation with the product including:

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

## The door does not close or latch correctly.

### Remedial Action

**First:** The latch brackets may be out of adjustment. Refer to *Door and Latch Adjustment* on Page 63.

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

■ Cage door

**Note:** Examine the cage door for broken welds between the frame, vertical rods, and horizontal rods. If broken welds are found, a local welding shop experienced in working with stainless steel, may be able to make repairs.

Single-door

Refer to Table 13 on Page 46 for replacement part number.

Refer to *Cage Door (Single-door Cages)* on Page 49 for replacement instructions.

Double-door

Refer to Table 15 on Page 48 for replacement part number.

Refer to *Cage Door (Double-door Cages)* on Page 51 for replacement instructions.

■ Latch connector (single-door cages)

Refer to Table 13 on Page 46 for replacement part number.

Refer to *Latch Connector* on Page 53 for replacement instructions.

■ Latch connector brackets (single-door cages)

Refer to Table 12 on Page 45 for replacement part number.

Refer to *Latch Connector Bracket* on Page 54 for replacement instructions.

■ Latch plates (double-door cages)

For replacement part, order P/N 615403.

Refer to *Latch Plate* on Page 55 for replacement instructions.

- Latch mechanism (double-door cages)  
Latch rod - refer to Table 15 on *Page 48* for replacement part number.  
Latch retaining ring - order P/N 854078, or obtain locally.  
Washer - order P/N 615375, or obtain locally.  
Latch Spring - order P/N 852437  
All latch mechanism parts - refer to *Page 61* for replacement instructions.
- Door Hinges (all cages)  
For replacement flat hinge plate, order P/N 619953-2.  
For replacement curved hinge plate, order P/N 619953-3.  
Refer to *Hinge Plate, Flat* or *Hinge Plate, Curved* on *Page 56* for replacement instructions.

## The cage/base does not roll freely (Mobile Bases Only).

### Remedial Action

Please refer to the *Owner's Manual* supplied with the mobile base for more information.

**First:** You may just have a caster brake locked. Check the front casters to make sure the **OFF** side of the brake lever is down. Refer to *Using the Wheel Brakes* on Page 35.

**Second:** 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 *Lubricating the Casters* in the *Base Owner's Manual*).

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.

To order a new caster, contact SSCI Customer Service and order the desired caster as shown in Table 5 on Page 15.

If you have misplaced your base *Owner's Manual*, call SSCI Customer Service and ask for *Stationary and Mobile Regal Cage Bases Owner's Manual*, P/N 702714.

## The cage/base rolls even when the brakes are on (Mobile Bases Only).

### Remedial Action

Please refer to the *Owner's Manual* supplied with the mobile base for more information.

**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 38.

**Second:** Check the front casters for condition. Are they dirty, wobbly, badly bent? Have they been lubricated in the last six months?

Hair, thread, and other materials can accumulate in the wheel bushing and prevent the brake from holding as it should. If substantial foreign matter is visible, disassemble the caster assembly, clean it thoroughly, reassemble, and lubricate it (Refer to *Lubricating the Casters* in the *Base Owner's Manual*). If cleaning and lubricating the casters does not fix the problem, the casters with brakes should be replaced.

If a wheel/caster assembly is damaged or showing excess wear, replace it.

To order a new caster, contact SSCI Customer Service and order the desired caster as shown in Table 5 on Page 15.

If you have misplaced your base *Owner's Manual*, call SSCI Customer Service and ask for *Stationary and Mobile Regal Cage Bases Owner's Manual, P/N 702714*.

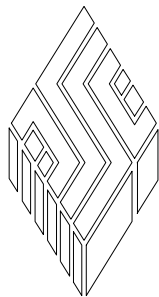




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