

SHOR-LINE

now a part of midmark

KAT & PUPPY PORTALS

ASSEMBLY GUIDE



INTRODUCTION

Introduction

Thank you for purchasing Shor-Line products.

This Guide provides information regarding the installation, use, and care of your Shor-Line product. Keep this Guide in a safe and convenient place for reference.

For further questions, to purchase additional products, or to replace a lost or damaged Guide, please feel free to contact Shor-Line:

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Shor-Line may provide instructions that supplement or supersede this Guide at any time. Contact Shor-Line to ensure the Guide is the latest version.

During installation, if a contradiction between this Guide, existing conditions, or local regulations arise, contact a Shor-Line representative before proceeding with installation.

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DANGER

READ THIS GUIDE COMPLETELY BEFORE INSTALLATION AND USE AND THOROUGHLY UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS.



WARNING

WEAR PERSONAL PROTECTIVE EQUIPMENT, such as, but not limited to, eye protection, back support brace, and gloves during installation. Failure to do so could result in SERIOUS INJURY.



CAUTION

This product is intended to be used for animals only. Do not use for anything other than the intended purpose.

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General information

Refer to the Guide, images and content to assist with the installation of the product. Throughout the Guide, safety notices provide help for a successful installation.

SAFETY FIRST!

Shor-Line uses the following symbols and signal words to identify potential hazards or unsafe practices:

Safety Alert Symbol



Indicates a potential personal injury hazard exists. It is important to heed any safety warning information associated with this alert symbol.

Signal Words for Hazard Alerting Safety Messages



Indicates a hazardous situation which, if not avoided, WILL result in serious injury or death.



Indicates a hazardous situation which, if not avoided, COULD result in serious injury or death.



Indicates a hazardous situation which, if not avoided, COULD result in minor or moderate injury.

Important Information Symbol



Indicates information considered important but not directly hazard related.

Personal Protective Equipment (PPE)

PPE refers to protective clothing or other equipment designed to protect against injury. It is the responsibility of the client/installer to ensure all local and federal codes are adhered to during the installation and assembly of this product. Included is a list of PPE items suggested, but not limited to, protective equipment to help complete the installation safely.

- Eye protection
- Metatarsal, foot protection
- Ear protection
- Gloves
- Back Support Brace

SHOR-LINE makes no guarantee, implied or otherwise, that the information included in this Guide will be complete or failsafe, or that the information will prevent an injury from occurring. Standard measures described may not reflect the full extent of all steps that may need to be taken in any given emergency instance.



WARNING California Proposition 65 Warning

*This product can expose you to chemicals including nickel (metallic), which are known to the state of California to cause cancer.
For more information go to: www.P65Warnings.ca.gov*

Safety Warnings Included In This Guide

**DANGER**

READ THIS GUIDE COMPLETELY BEFORE INSTALLATION AND USE AND THOROUGHLY UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS.

DO NOT use a plasma cutter to cut the Portal hole. Plasma cutters can create excessive heat that can result in severe burns or fire which will cause **SERIOUS PERSONAL INJURY OR DEATH**.

PRIOR TO DRILLING OR CUTTING A CAGE PANEL, ALWAYS INSPECT the space between the cage panels to be sure there are no electrical wires or other obstructions present. Cutting into live wires or other obstructions can result in electrical shock which will cause **SERIOUS PERSONAL INJURY OR DEATH** or property damage.

**WARNING**

Installation of the Portal **MUST BE COMPLETED BY A QUALIFIED INSTALLER** familiar with sheet metal manipulation/modifications. Cutting or drilling into metal cages can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.

Stay clear of and **DO NOT TOUCH** exposed cut steel. Cutting or drilling into metal cages can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.

Stainless steel cages are heavy. Enlist help and **USE SAFE LIFTING PRACTICES** when removing any cages from or placing cages back into the cage bank to avoid risk of **SERIOUS INJURY OR DEATH**.

WEAR PERSONAL PROTECTIVE EQUIPMENT, such as, but not limited to, eye protection, ear protection, and gloves during installation. Failure to do so could result in **SERIOUS INJURY OR DEATH**.

**CAUTION**

This product is intended to be used for animals only. Do not use for anything other than the intended purpose.

Be sure to secure long hair or loose fitting clothing during installation. Long hair or loose fitting clothing can become ensnared on exposed (cut) stainless steel edges and cutting tools, and if not avoided, could result in minor or moderate injury.

Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in minor to moderate injury.

NOTICE

SHOR-LINE is not responsible for replacing mis-cut or damaged cages.

During cleaning and maintenance, **DO NOT** pull the Portal Door away from the cage wall. Injury or damage to property could occur.

SECTION ONE

Shipment Inventory And Inspection

Shipment Inventory

At arrival, unpack and inspect the shipment to ensure it is complete and free of damages that may have occurred during shipping. Compare the packing list with the shipment to ensure all parts/components have been received in good condition. See FIGURES 1.1-1.2

NOTICE *Avoid using razor blade or cutting devices, product surfaces scratch easily.*

Shipment Inspection

While verifying the shipment contents, take a moment to inspect each component for damage. This should be done before the shipment is signed received and accepted. If damaged components are apparent, follow the claim procedures set forth by the carrier.

Damage Reporting

Follow the instructions within Shor-Line's Damage and Freight Procedures. Contact Shor-Line (800.444.1579) immediately to expedite the process.

NOTICE *After fifteen (15) calendar days of receipt of merchandise, this policy becomes void.*

Hole Template

The SHOR-LINE Portal comes complete with the portal components, spacer, and hardware required to complete the installation. The two cages that are to be linked, using the Portal, will have to be modified to receive the Portal.

The Portal does NOT include the hole Template unless it was ordered at the time of purchase.

A .125" thick aluminum plate hole Template is available and can be ordered to assist locating the proposed holes in each cage. See FIGURE 1.1

The Template is useful and durable; the same Template can be reused for each Portal installation. **FIGURE 1.1 - Template (Kat Portal Shown)**



NOTICE *It is important to locate the proposed holes perfectly aligned to each other in each cage. The Template insures consistent location on both the left and right cages.*

SHOR-LINE is not responsible for replacing mis-cut or damaged cages.

PORTAL TEMPLATES			
PART #	DESCRIPTION	OPENING	HOLE CENTER
300.2229.00	Kat Portal Hole Template - Aluminum Plate	8.5" Diameter	8-3/8" Offset (From Bottom and Back Panels)
300.2334.00	Puppy Portal Hole Template - Aluminum Plate	12.5" Diameter	8-3/8" (Bottom) X 9-3/8" (Back)

Parts List

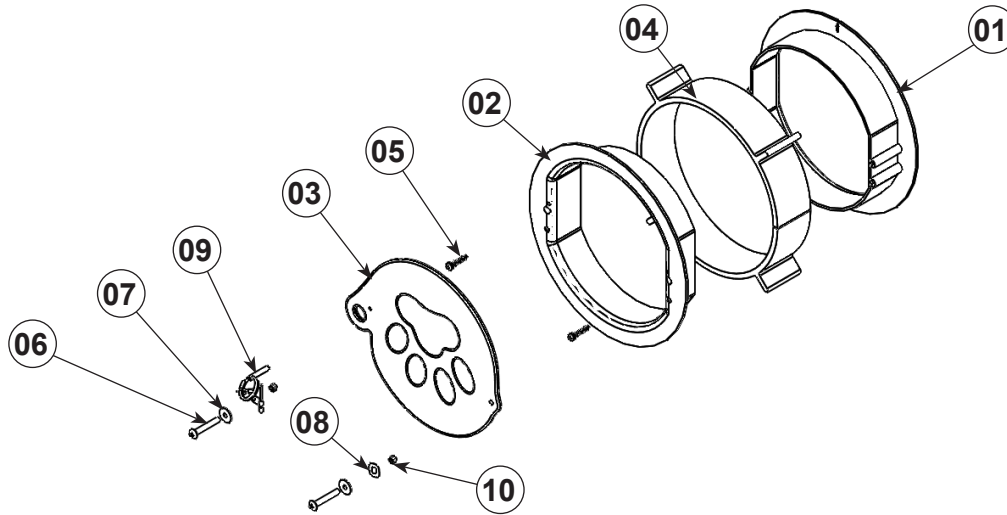


FIGURE 1.2 - Portal Assembly (Kat Portal Shown)

PORTAL ASSEMBLY CONTENTS				
ITEM	PART #	DESCRIPTION	QTY	✓
	902.0000.30	Kat Portal - Standard Model (See Contents Below)		
01		• Portal - Female Flange (Marked "B")	1	<input type="checkbox"/>
02		• Portal - Male Flange (Marked "A")	1	<input type="checkbox"/>
03		• Portal - Door Panel	1	<input type="checkbox"/>
04	• 181.9020.06	• Kat Portal - Standard Model, 2" Wide Spacer (Styles Vary)	1	<input type="checkbox"/>
	• 802.0000.25	Hardware Kit (See Contents Below)		
05		• #8-16x1 Pan Hd Phillips, Hi-Lo, Stainless Steel	2	<input type="checkbox"/>
06		• #10-32x1.5 Truss Hd Phillips, Stainless Steel	2	<input type="checkbox"/>
07		• #10-0.668x0.203 Flat Washer, Stainless Steel	2	<input type="checkbox"/>
08		• .250x0.682x0.328 Wave Washer, Stainless Steel	1	<input type="checkbox"/>
09		• Quick Release Pin Assembly	1	<input type="checkbox"/>
10		• Short Nylon Standoff Spacer (Kat Portal)	2	<input type="checkbox"/>
NOT SHOWN		• Long Nylon Standoff Spacer (Puppy Portal)	2	<input type="checkbox"/>

PORTAL CONFIGURATIONS			
PART #	DESCRIPTION	OPENING	APPLICATION
902.0000.30	Kat Portal - Standard Model (See FIGURE 1.2)	6.25 wide x 7.5" tall	Standard 2" Gap Cage
• 181.9020.06	• Kat Portal, 2" Wide Spacer (Styles Vary)		
902.0000.31	Kat Portal - Narrow Model	6.25 wide x 7.5" tall	Cat Condo 1.5" Gap
	• Spacer Not Required		
902.0000.32	Kat Portal - Wide Model (Custom Depth Portal)	6.25 wide x 7.5" tall	Wide 3" Gap Cage
	• Spacer Customer Provided		
902.0000.33	Puppy Portal - Standard Model	10.25 wide x 11.5" tall	Standard 2" Gap Cage
• 181.9020.10	• Puppy Portal Spacer, 2" Wide (Styles Vary)		
902.0000.34	Puppy Portal - Wide Model	10.25 wide x 11.5" tall	Wide 3" Gap Cage
	• Spacer Customer Provided		

SECTION ONE

Tools And Equipment

Tools and equipment required to complete the installation can vary depending on the task at hand and type of construction method employed. Below is a list of tools and equipment used in the installation procedures outlined in this Guide. Techniques may vary.



WARNING *Installation of the Portal **MUST BE COMPLETED BY A QUALIFIED INSTALLER** familiar with sheet metal manipulation/modifications. Cutting or drilling into metal cages can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.*

TOOLS LIST	
ITEM	DESCRIPTION
01	MEASURING TAPE
02	PAINT PEN OR MARKER
03	CLEAN/SOFT TOWELS
04	RUBBING ALCOHOL
05	HAMMER (NOT SHOWN)
06	PUNCH
07	DRILL, STARTER DRILL BIT (NOT SHOWN)
08	STEP HOLE DRILL BIT (UP TO 1/2")
09	STEP HOLE DRILL BIT (UP TO 1-1/2")
10	SHEER NIBBLER
11	SILICONE (CLEAR)
12	PHILLIPS HEAD SCREWDRIVER (#2)
13	PHILLIPS HEAD SCREWDRIVER (#3)



WEAR PERSONAL PROTECTIVE EQUIPMENT, such as, but not limited to, eye protection, ear protection, and gloves during installation. Failure to do so could result in **SERIOUS INJURY OR DEATH**.



Be sure to secure long hair or loose fitting clothing during installation. Long hair or loose fitting clothing can become ensnared on exposed (cut) stainless steel edges and cutting tools, and if not avoided, could result in minor or moderate injury.

NOTICE

Ensure the tools are properly maintained. Drill bits and cutting heads should be in good order. Use drilling oil as required.

Assembly Procedures

Cage Preparation

Portal Location

The following instructions include the steps and precautions to install one portal between two cages that are a part of a cage bank. Repeat the procedures for each portal installation.



WARNING *Installation of the Portal **MUST BE COMPLETED BY A QUALIFIED INSTALLER** familiar with sheet metal manipulation/modifications. Cutting or drilling into metal cages can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.*

The template can be used to mark the portal hole location from the inside of the cage and can also be used to locate the holes from the outside of the cage. Depending on the size of the proposed cages, it may be determined that hole placement and cutting may be easier from the outside of the cage. The trim plates (#3 phillips head screwdriver) will have to be removed and the cages will have to be removed from the bank for this type of installation.



WARNING *Stainless steel cages are heavy. Enlist help and **USE SAFE LIFTING PRACTICES** when removing any cages from or placing cages back into the cage bank to avoid risk of **SERIOUS INJURY OR DEATH**.*

Any cages removed during the hole cutting process will have to be reinstalled in the cage bank before continuing with the Portal installation.

For the purpose of these instructions each cage will have a unique identifier, the cage on the right is "CAGE ONE" and the cage on the left is considered "CAGE TWO". See FIGURE 2.1

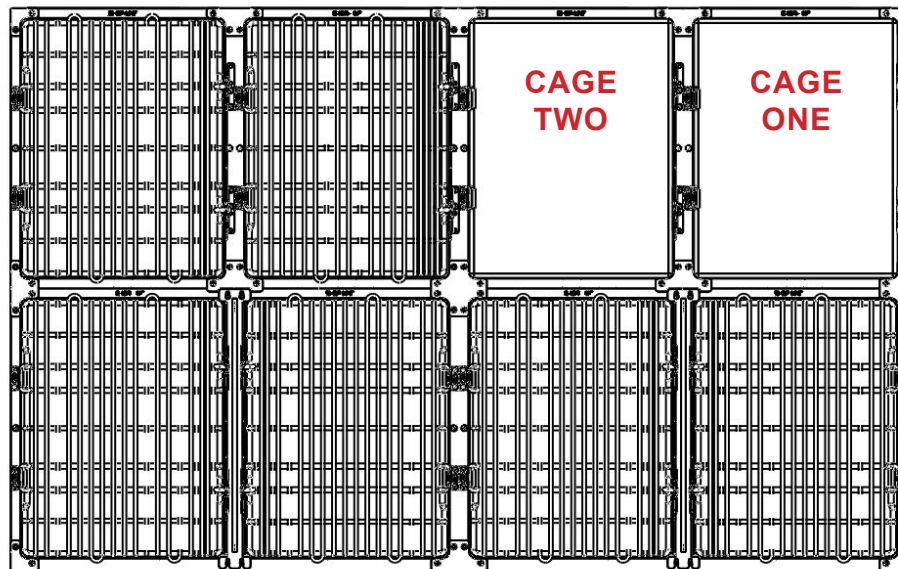


FIGURE 2.1 - Cage Identification (Example)

SECTION TWO

Cage Door Removal

Door hinges may vary depending on the release model of the cages. Type III cages are used for this procedure. Contact SHOR-LINE for door removal procedures for older model cages.

STEP 1: Ensure both proposed cages are cleared of animals, bedding, and are thoroughly clean.

STEP 2: Remove the door from the cage.

A: Unlatch and swing door to the open position (90 degrees). See FIGURE 2.2



Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in minor to moderate injury.

B: Lift the door upward and slide the door from the hinges. Set away from the work area. See FIGURE 2.3

STEP 3: Repeat the door removal steps for each cage to be fitted with a portal.



FIGURE 2.2 - Cage Door Removal



FIGURE 2.3 - Cage Door Removal

Portal Hole

Template

The portal holes can be cut with the cages located in a bank or as a stand-alone cage. For the purpose of this Guide, instruction included will describe the steps required to cut the portal holes with the cages located within a bank of cages.



WARNING

*Installation of the Portal **MUST BE COMPLETED BY A QUALIFIED INSTALLER** familiar with sheet metal manipulation/modifications. Cutting or drilling into metal cages can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.*

NOTICE

*Allowing the cutting tool to run off-line will cause irreparable damage to the cage. **SHOR-LINE** is not responsible for replacing mis-cut or damaged cages.*

The template and a marker will be used to located a hole in the side walls of the two cages that are to receive the Portal.

The center-mark for the 8.5" cat portal hole is 8-3/8" from the bottom panel and from the back panel.

The center-mark for the 12.5" puppy portal hole is 8-3/8" from the bottom panel and 9-3/8" from the back panel.

STEP 4: Gently move the template into CAGE ONE, resting the bent aluminum (flange) against the side and back panels. See FIGURE 2.4

STEP 5: Move the template down and rest against the bottom and back panels. The radius of the flanges match the radius of the cage for a snug fit.

STEP 6: Once the template is in place, mark the side panel using the template as a guide for the hole location. See FIGURE 2.5

STEP 7: Remove the template, careful not to smudge the hole marking or scratch the cage surface.

STEP 8: The template will have to be rotated to rest in CAGE TWO. Insert the template and mark the hole location following the same steps used to locate the hole for CAGE ONE.



FIGURE 2.4 - Template



FIGURE 2.5 - Template

SECTION TWO

Mark/Punch Starter Hole

A hammer, punch, drill, step hole drill bits, and cleaning supplies will be used to create a starter hole. This hole will be the start point for the Nibbler cutting tool, the hole must be large enough to fit the cutting head of the Nibbler to begin the cut.

Location of the hole will vary depending on model/size of the Nibbler used to cut the portal hole.

STEP 9: Dry run: Hold the Nibbler along the cutting line to ensure there is enough clearance to fully rotate the cutting tool without making contact with the back and bottom panels. See FIGURE 2.6

STEP 10: Establish a comfortable starting point, where the Nibbler will be able to rotate around the hole clearing the back and bottom panels.

STEP 11: Mark a punch location within the portal hole. The mark should be inside the circle and offset the minimum distance for the cutting hole to be drilled. 3/4" for these procedures. See FIGURE 2.7

STEP 12: Use the hammer to strike the punch, locating an indentation in the panel. This indentation provides a starting point for the drill bit. See FIGURE 2.8 and 2.9



FIGURE 2.6 - Test Clearance

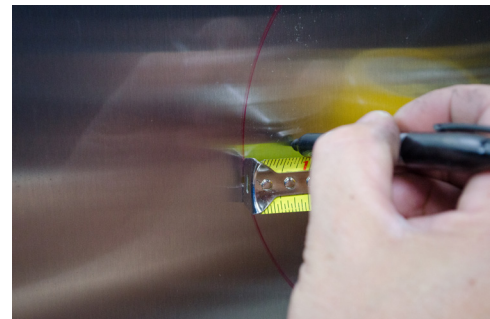


FIGURE 2.7 - Punch Location

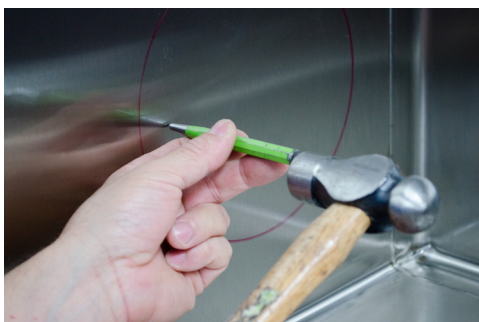


FIGURE 2.8 - Punch Indentation

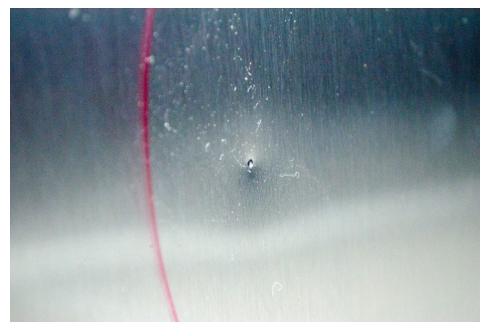


FIGURE 2.9 - Punch Indentation

Drill Starter Hole

A starter hole will have to be drilled in order to insert (start) the Nibbler. Take care to ensure the starter hole does not encroach or expand past the portal hole outline.



DANGER

PRIOR TO DRILLING OR CUTTING A CAGE PANEL, ALWAYS INSPECT the space between the cage panels to be sure there are no electrical wires or other obstructions present. Cutting into live wires or other obstructions can result in electrical shock which will cause **SERIOUS PERSONAL INJURY OR DEATH** or property damage.

NOTICE

The punched indentation helps center the drill bit in place. Care should be taken when drilling holes in steel, as the drill bit can release from the punched indentation and scratch the cage surface.

STEP 13: Use a power drill and a 1/4" drill bit to start a hole at a size that will accept a step drill bit. See FIGURE 2.10



FIGURE 2.10 - Starter Hole



FIGURE 2.11 - Step Drill

STEP 14: Use a power drill and step drill bit to increase the hole to a size that will accept the cutting head (Up to 7/8"). See FIGURE 2.11

STEP 15: Remove metal shavings and clean the cage of debris.

Portal Hole Cut



DANGER

DO NOT use a plasma cutter to cut the Portal hole. Plasma cutters can create excessive heat that can result in severe burns or fire which will cause **SERIOUS PERSONAL INJURY OR DEATH**.

PRIOR TO DRILLING OR CUTTING A CAGE PANEL, ALWAYS INSPECT the space between the cage panels to be sure there are no electrical wires or other obstructions present. Cutting into live wires or other obstructions can result in electrical shock which will cause **SERIOUS PERSONAL INJURY OR DEATH** or property damage.



WARNING

Installation of the Portal **MUST BE COMPLETED BY A QUALIFIED INSTALLER** familiar with sheet metal manipulation/modifications. Cutting or drilling into metal cages can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.

SECTION TWO

There are several techniques (tools) that can be used to cut a hole in stainless steel. For the purpose of this Guide, instruction included will describe the steps required to cut the portal holes with a Nibbler using a 11/16" cutting head.

The cutting head will have to be locked into place, perpendicular to the handle of the Nibbler. "Free" and straight cutting positions could cause clearance issues due to the location of the hole and its proximity to the back and bottom panels of the cage. See FIGURE 2.12

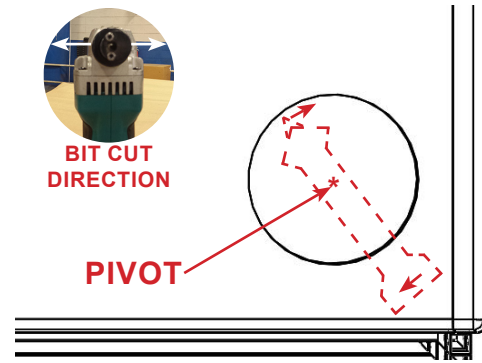


FIGURE 2.12 - Nibbler Rotation

STEP 16: Insert the cutting head into the hole and locate a starting point to begin the cut.
See FIGURE 2.13



FIGURE 2.13 - Start Cut



FIGURE 2.14 - Rotate Nibbler

NOTICE

STOP cutting, realign at any point during the cut if the cutting head strays from the hole guide line. Mis-cuts can damage the cage and affect the seal of the portal.

STEP 17: Rotate the Nibbler as it cuts the steel, following the hole guide line.
See FIGURE 2.13 to 2.16



FIGURE 2.15 - Rotate Nibbler



FIGURE 2.16 - Rotate Nibbler

STEP 18: Bend, file any edge surfaces protruding from the panel wall that could affect the seal. See FIGURE 2.17

STEP 19: Remove metal shavings and clean the cage of debris.

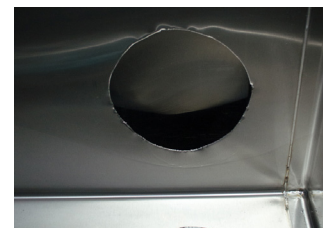


FIGURE 2.17 - Hole

Portal Installation

Spacer Installation

Stage the Flange A in Cage TWO and the Flange B in Cage ONE. To discern between components, the Flange A has mounting holes on the trim face. See FIGURES 2.18 and 2.19

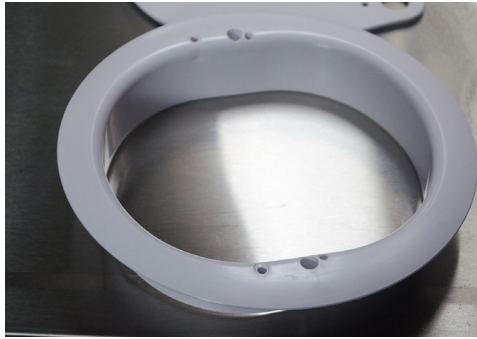


FIGURE 2.18 - Flange A

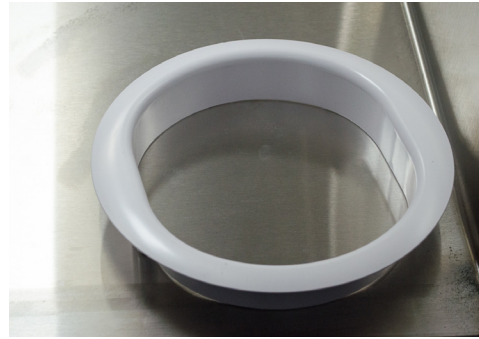


FIGURE 2.19 - Flange B

The flange components will be inserted following the spacer installation and should be staged in each cage, within reach. See FIGURE 2.20

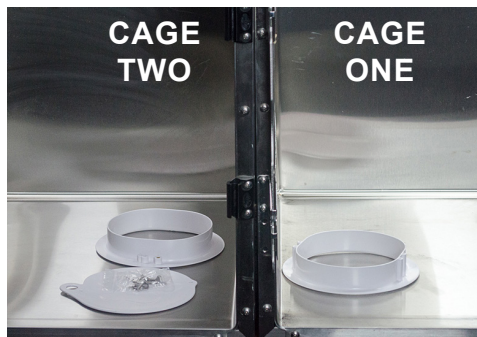


FIGURE 2.20 - Flange Staging



FIGURE 2.21 - Spacer

The spacer provides support between the cage walls to help prevent wall panel movement. The diameter of the spacer is larger than the portal hole. The spacer has a split seam which, when the two ends of the ring are collapsed can rest on each other reducing the diameter, enabling the spacer to be inserted into the hole. See FIGURE 2.21

STEP 20: Collapse one end of the spacer ring inside the other. See FIGURE 2.21

STEP 21: Insert the spacer ring in-between the two cages. HOLD IN PLACE. See FIGURE 2.22 & 2.23



FIGURE 2.22 - Spacer Insertion

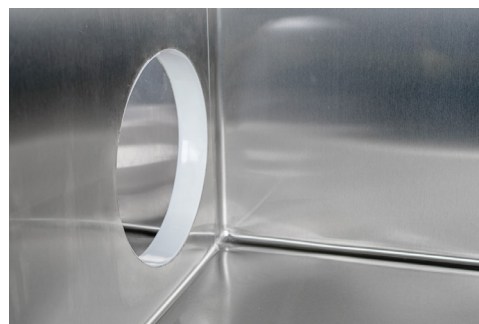


FIGURE 2.23 - Spacer Installed

SECTION TWO

Flange Components Installation

STEP 22: Add a 1/4" continuous bead of clear silicone to the inside of each flange. Read and follow the manufacturers instructions for silicone application. See FIGURE 2.24

STEP 23: Carefully rotate the flanges to ensure the attachment holes are parallel to the cage floor. See FIGURE 2.25

STEP 24: Insert the female flange component through the hole/spacer. The arrow and notch on the flange should point upward. See FIGURE 2.26

STEP 25: Insert the male flange component inside the female flange component. the arrow, shor-line logo and notch on the flange should be in the upward position. See FIGURE 2.27



FIGURE 2.24 - Silicone Application

Carefully rotate the flanges to ensure the attachment holes are parallel to the cage floor.

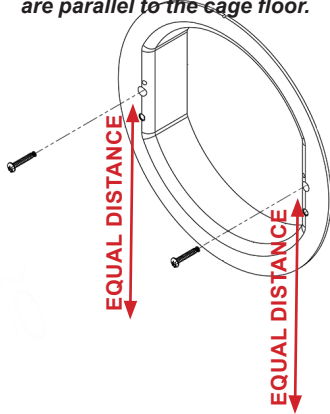


FIGURE 2.25 - Connection

FIGURE 2.26 - Female Flange

FIGURE 2.27 - Male Flange

STEP 26: Use two #8-16X1 PAN HD phillips screws to secure the two flanges together. The screws thread into the plastic flange. See FIGURE 2.28

STEP 27: Wipe clean any silicone that has oozed out between the flange and cage wall. See FIGURE 2.29

NOTICE

Do NOT over-tighten the screws, damage to the components could occur.



FIGURE 2.28 - Secure Flanges



FIGURE 2.29 - Clean Portal

Door Installation

The portal door is secured with one screw on the hinge side, and one screw on the door stop side. the door is in the closed position when the paw is facing down, inversely, the paw is facing up when the door is in the open position. See FIGURE 2.30 and FIGURE 2.31



FIGURE 2.30 - Door Closed Position



FIGURE 2.31 - Door Open Position

See FIGURE 1.2 to help identify each piece of hardware used for the door installation.

NOTICE

It is important to install all hardware in the correct order for the Door to operate correctly. Do NOT over-tighten screws, damage to the components could occur. Refer to the parts list (FIGURE 1.2) for hardware assembly order. The short Nylon Spacers are used for the Kat Portal and the long Nylon Spacers are used for the Puppy Portal.

STEP 28: Use one (1) of the phillips screws, one (1) flat washer, the wave washer, and one (1) nylon standoff spacer to secure the hinge side of door. See FIGURE 2.32

STEP 29: Tighten the hinge screw just tight enough to provide tension on the door. rotate the door to the open position to ensure free movement, yet the door hinge screw should be tight enough to hold the door in any position.



FIGURE 2.32 - Door Hinge Assembly

SECTION TWO

STEP 30: Use one (1) of the phillips screws, one (1) flat washer, quick release pin assembly, and one (1) nylon standoff spacer to secure the door stop side of door. See FIGURE 2.33

NOTICE

The screw is threaded into the male flange and does NOT go through the door.

The short nylon spacers are used for the Kat Portal and the long nylon spacers are used for the Puppy Portals.

Refer to the parts list (FIGURE 1.2) for hardware assembly order.



FIGURE 2.33 - Quick Release Assembly

STEP 31: With the door in the closed position, paw down, the quick release pin can be inserted into the hole to secure the door closed. See FIGURE 2.34

STEP 32: Thoroughly clean both cages and the portal to ensure the removal of all chemicals and metal shavings before allowing the cages to become occupied.

STEP 33: Reverse STEP-2 procedures to reinstall the cage doors.

STEP 34: Close the doors, check latch operation and adjust alignment to ensure the doors latch correctly.



FIGURE 2.34 - Secure Door

Portal Use And Care

Door Operation

Opening and Closing the Portal Door

Once the Portal is installed, the door can be used to control access to one cage or the other by rotating the door to the closed or open position, as desired.

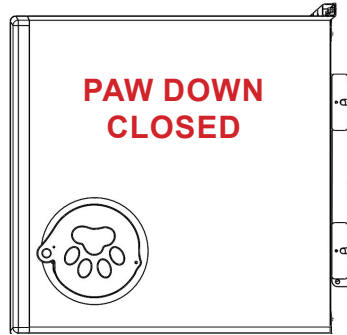


FIGURE 3.1 - Door Closed Position

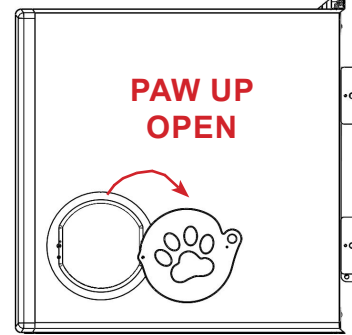


FIGURE 3.2 - Door Open Position

The door is in the closed position when the paw is facing down. Inversely the paw is facing up when the door is in the open position. See FIGURE 3.1 and FIGURE 3.2

A pin is provided to lock the door in the closed position. Remove the pin from the stowed position, close the door and insert the pin through the Lock Hole. See FIGURE 3.3

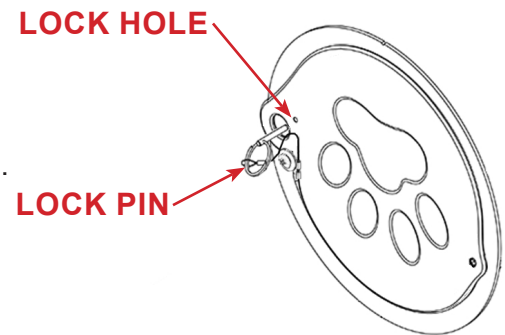


FIGURE 3.3 - Door Lock

Cage Door Realignment (If required)

The cage door, after shipment/movement and through regular use can become askew and require minor adjustments from time to time. If weight is applied to an open door it may cause the latch pins to come into contact with the latch guides either too high or too low to properly slide into the latch assembly.

While the cage door is shut and latched, loosen but do not remove the hinge assembly screws.

With one hand holding the door on the latch-side, align the latch pin within the optimal range while tightening the hinge screws to hold the door in place.

Close the door, check latch operation and make adjustments to ensure the door latches correctly.

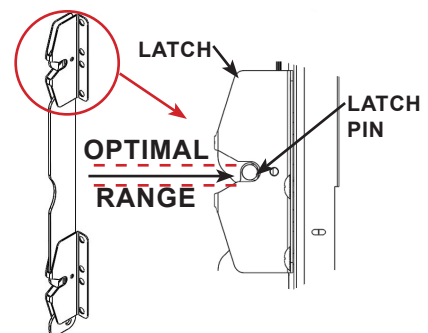


FIGURE 3.4 - Latch Alignment

SECTION THREE

General Maintenance & Care

Maintenance Recommendations

NOTICE *Routine maintenance will extend the quality and life of Shor-Line products.*

It is the owners responsibility to set-up scheduled maintenance programs, depending on use of the equipment. Scheduled preventive maintenance should include, but not limited to daily or weekly inspections and maintenance of products to prolong its longevity and to help maintain proper product functions.

- Follow manufacturers cleaning and maintenance recommendations outlined in product literature provided for components not included in these recommendations. Configurations/component parts may vary.
- Check alignment of operable panels, doors and components to ensure operation is free of obstructions. Adjust as required.
- Check any battery compartments to ensure the batteries are not failing, corroding the contacts or damaging the equipment. A pencil eraser can be used to clean electrical contacts in battery compartments.
- Check any wiring for kinks or exposed inner wiring. If damage exist, stop equipment use and contact Shor-Line Technical Services for direction.
- Check any hydraulic lift components for leaking fluid. If fluid is present, stop equipment use and contact Shor-Line Technical Services for direction. Do NOT attempt to repair hydraulic leaks.

Care Recommendations

NOTICE *Routine product care will extend the quality and life of Shor-Line products and aids in protecting animals from transmittable diseases and infections.*

It is the owners responsibility to set-up scheduled cleaning programs, depending on use of the equipment. Scheduled preventive cleaning should include, but not limited to daily or weekly inspections and cleaning of products to prolong its longevity and to help maintain finishes.

Safe Cleaning Practices

- Use the mildest cleaning procedure that will complete the job effectively. Ordinary waste deposits and fluids can usually be removed with soap and water, using a soft cloth or sponge. Rinse thoroughly with clear water and dry completely with a soft cloth to discourage hard-water spotting.
- Minor scale build up and some hard water spotting can be removed by washing with a vinegar diluted mixture followed by a clear water rinse and thorough drying.
- Bleach, deodorizing agents, disinfectants, and sanitizers can corrode stainless steel, thoroughly rinse all surfaces treated with these chemicals with a clear water rinse and dry with a soft cloth.
- If scrubbing is required, use only polymer or nylon fiber products made for use with polymer or nylon materials.
- Always rinse with clear water and dry of all surfaces treated with cleaning, sterilization solutions.

Unsafe Cleaning Practices (NOT Recommended)

- Do NOT use a dry cloth or wipe clear polymer surfaces which can scratch if dust/dirt is wiped with the hand or dry cloth.
- Polymer materials can discolor if exposed to sunlight, ultraviolet rays. Avoid direct sun exposure.
- Do NOT use ammonia or bleaches to clean polymer surfaces.
- Do NOT allow fluids to accumulate, puddle without removing and completely drying the surfaces and components. Standing water/fluids are a hazard and can cause damage to component materials.
- Do NOT use scouring powders that will scratch polymer finishes.

NOTICE *Steel wool or steel brushes should never be used to clean stainless steel or polymer surfaces, avoid abrasive cleaning techniques/supplies.*

Terms And Conditions

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