



PATIO RAIL KITS 2.0
OWNER'S MANUAL

L I P P E R T
C O M P O N E N T S®

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Product Information

The Patio Rail Kits 2.0 are designed for either a rear ramp door or side patio installation allowing for a comfortable and additional living space. The rail kits utilize an existing rear ramp or side patio door. The patio rail kits can be easily extended and then stowed within the door jamb of the door assembly when not in use.

Adjustable Cable System

NOTE: Some trailers are equipped with an optional adjustable cable system for the patio door. Follow applicable set screw warning for use of the adjustable cable.

The optional adjustable cable system assists in maintaining the position of the door at a 90-degree angle from the door jamb. This will allow the rail kit to lock more securely into the keeper bases.

Adjustment of the door is done by lengthening or shortening the adjustable cable. By turning the turnbuckle and holding the other end, the cable can be shortened or lengthened to adjust the angle of the door. When the cable is lengthened, the angle of the door relative to the jamb will increase. When the cable is shortened, the angle of the door relative to the jamb will decrease.

NOTE: The adjustable cable system allows for up to +/- 2.5" of adjustment in order to achieve a 90-degree angle for the patio door while in patio mode.

Safety

⚠ WARNING

The maximum weight rating for the rear door in ramp mode is 3,000 pounds. The maximum weight rating for the side door in patio mode is 1,500 pounds. Exceeding the maximum weight ratings can cause death, serious personal injury, severe product or unit damage. DO NOT allow the door to fall while lowering into level position. This could cause serious personal injury, severe product or trailer damage.

⚠ CAUTION

Moving parts can pinch, crush or cut. Keep clear and use caution.

Preparation

Make sure that the door support cables are attached and secure in the patio position prior to operation.

⚠ WARNING

Do not remove set screw. Failure to follow this warning may result in death, serious personal injury and/or severe property damage.

Product Safety Labels

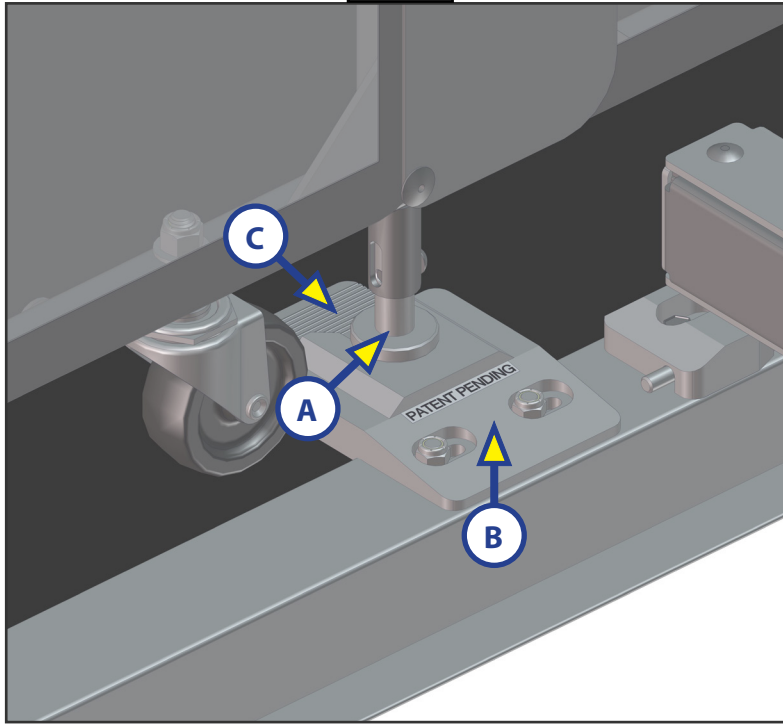
⚠ WARNING	⚠ CAUTION
• Failure to follow these instructions may result in death, serious injury or property damage. • Always secure the ramp door in either the closed, ramp or patio position. • Never use the ramp door while anything is obstructing operation. • Keep hands away from all openings, rollers and cables when operating the ramp door.	• Failure to follow these instructions may result in serious injury or property damage. • Read the instructions before installation or operation. • Never force the ramp door in any direction. • Always make sure the cables are pulling out straight, staying in the grooved portion of the rollers and not coming in contact with any obstructions. • Do not operate the ramp door if the cable is frayed or damaged.

Patio Railing Operation

Extending Patio Rail

1. Remove the hook and loop fabric strap securing the railing in the closed position.
2. Unfold the railing so that the keeper feet (Fig.1A) slide into the keeper bases (Fig. 1B) and lock in place.
3. Close and secure the gate with the latch.

Fig. 1



⚠ CAUTION

Properly stow rails to make sure that patio door closure does not compromise caster wheels. If patio railing is not properly stowed, caster wheels may get caught and be damaged by the hinge of the patio door when door is closed. Damage to caster wheels due to improper stowage of the patio rail kit is not covered under warranty.

⚠ CAUTION

To prevent damage to the rails and screen panels, always make sure to properly stow the rails when not in use and prior to travel. Failure to do so may result in personal injury or property damage.

Retracting Patio Rail

1. Open the latch on the gate.
2. Depress the foot release (Fig. 1C) on the keeper bases (Fig. 1B).
3. While facing the patio door opening, fold the right railing back onto itself so it rests flush inside the door opening.
4. Make sure no caster wheels are in the hinge space between the patio door and the door jamb.
5. Fold the left railing back onto itself so it rests flush inside the door opening.
6. Make sure no caster wheels are in the hinge space between the patio door and the door jamb.
7. When caster wheels are clear of the hinge area and the railings are folded inside the door opening, secure with attached hook and loop fabric strap to prevent shifting when railing is in the closed position.

Optional Step Operation

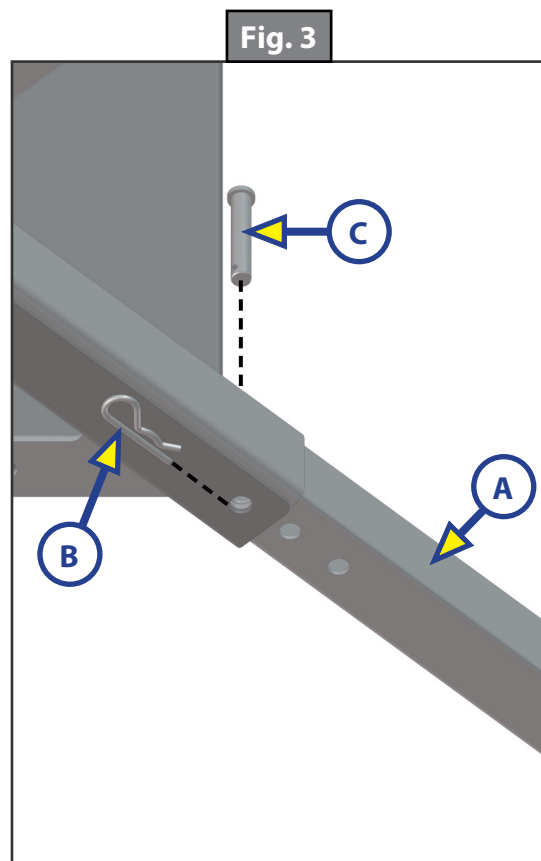
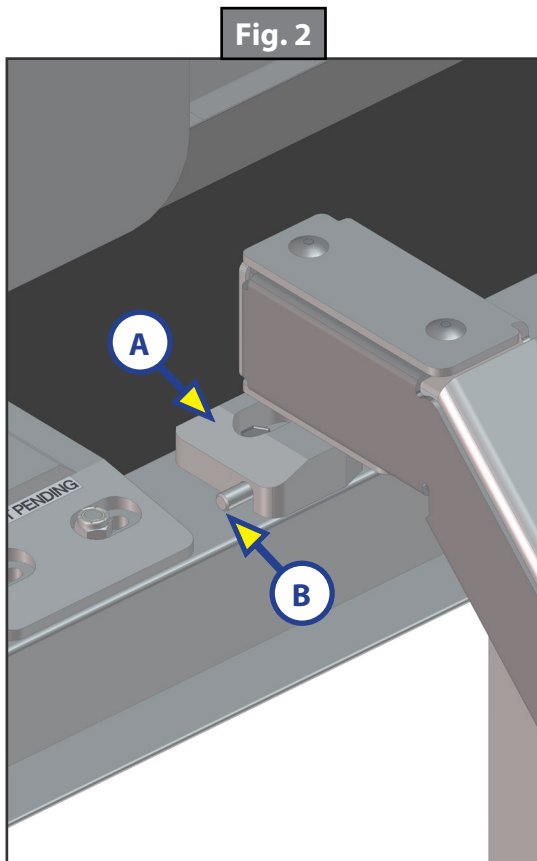
NOTE: Steps are an optional component in Patio Railing Kits 2.0.

Steps Set-Up

1. Attach the steps to the door by locking them into the step keeper bases (Fig. 2A).
2. Extend the feet (Fig. 3A) by removing the cotter pin (Fig. 3B) from the clevis pin (Fig. 3C).
3. Remove clevis pin from the foot rail.
4. Adjust the steps to a level position and secure by inserting the clevis pin into the nearest aligned foot holes, then insert the cotter pin into the clevis pin (Fig. 3).

Steps Storage

1. Remove the steps from the door by pushing in the pins (Fig. 2B) on the side of the step keeper bases (Fig. 2A).
2. Retract the feet (Fig. 3A) by removing the cotter pin (Fig. 3B) from the clevis pin (Fig. 3C).
3. Remove clevis pin from the foot rail.
4. Adjust the steps to a storage position and secure by inserting the clevis pin into the nearest aligned foot holes, then insert the cotter pin into the clevis pin (Fig. 3).



Maintenance

To maintain smooth operation of the rail kits,

1. Lubricate all moving parts every 30 days with a good quality moisture and heat resistant penetrating grease.

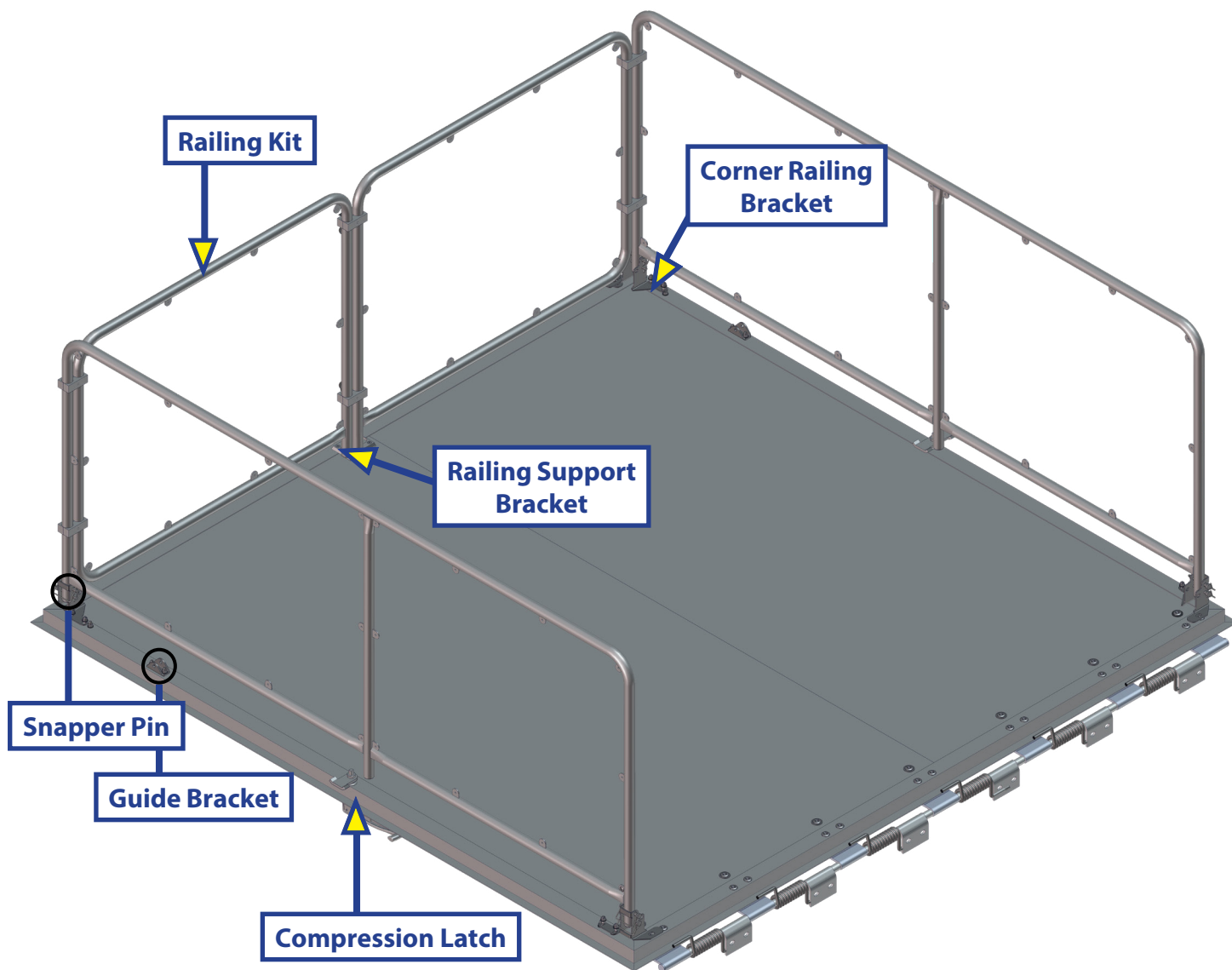
NOTE: Silicone lubricants and WD-40® are not recommended for use. They have a tendency to evaporate and dry the mating surfaces which leave them vulnerable to the elements.

NOTE: Prior to long periods of storage, LCI recommends that the keeper bases and keeper feet of the patio railing assembly be lubricated to prevent rust.

2. Check to make sure that the cable is not frayed or damaged. Replace as needed.
3. Check for loose or missing fasteners. Tighten or replace as needed.
4. Check for any visible signs of wear on caster wheels.
5. Inspect hinge points.
6. Check rail screen panels for tears.
7. Clean step assembly before lubricating.

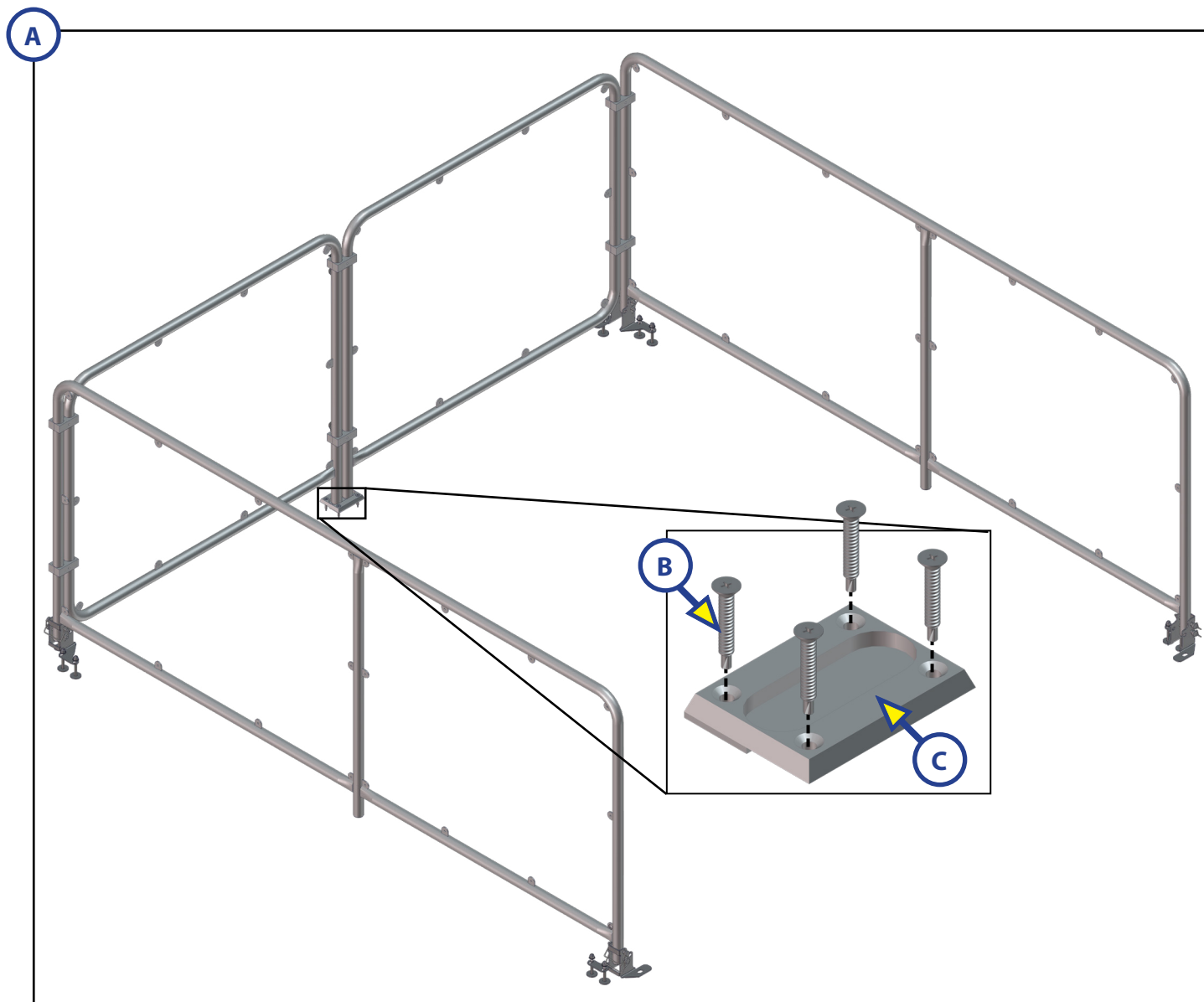
PATIO RAILING ASSEMBLY

DOORS



PATIO RAILING COMPONENTS

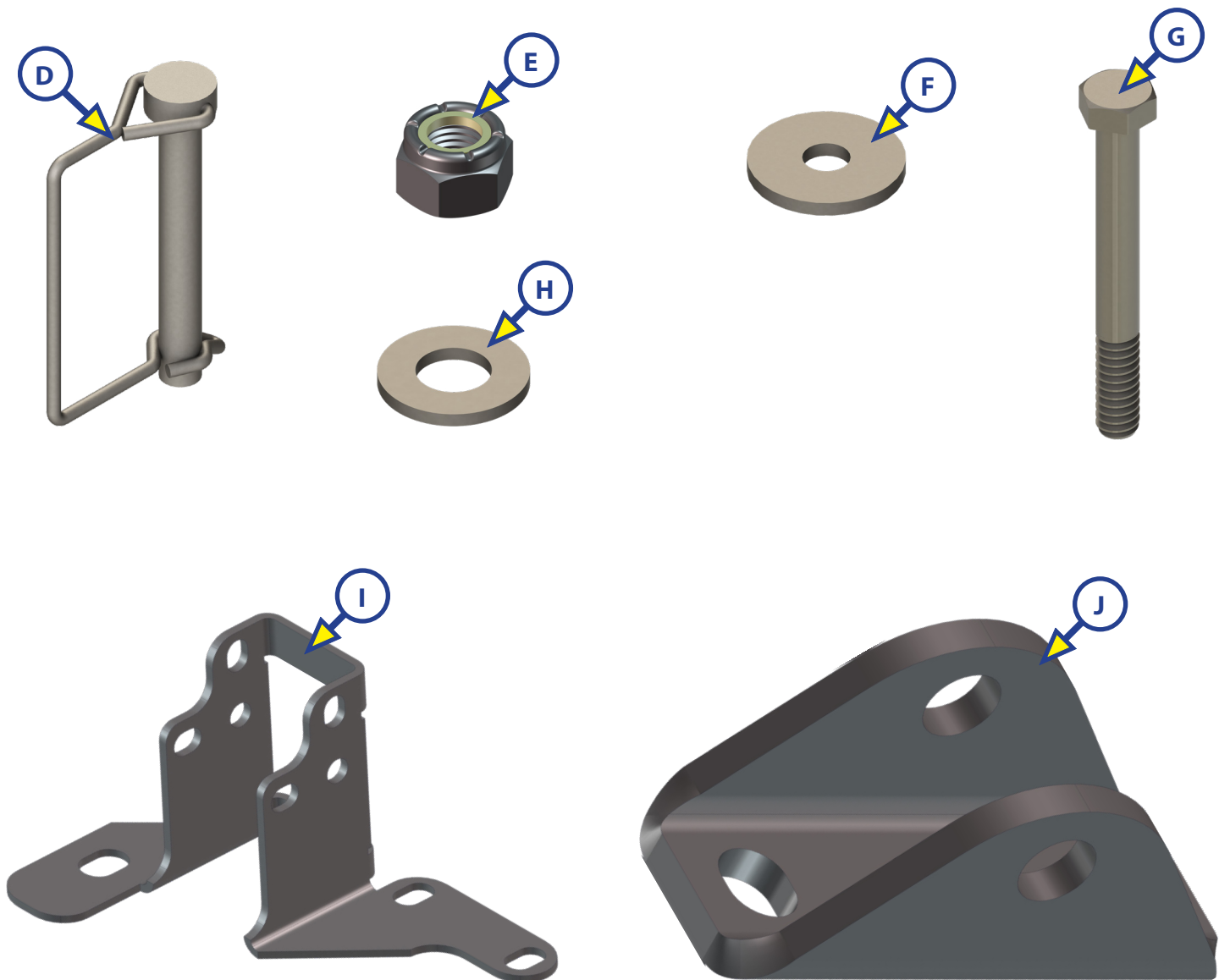
DOORS



Callout	Part #	Description
A	296117	Railing Kit 93 1/4" x 93 1/4"
	285743	Railing Kit 93 1/4" x 96 3/8"
	256383	Railing Kit 92 3/4" x 95 3/8"
	324772	Railing Kit 90 3/4" x 87 1/4"
B	178507	Phillips Flat Head Self Drilling Screw
C	256481	Railing Door Guide

PATIO RAILING COMPONENTS

DOORS



Callout	Part #	Description
D	225598	Snapper Pin
E	118043	5/16" x 18 Nylock Nut
F	249853	1 1/4" Washer
G	229128	5/16" x 18 x 2 3/4" Bolt
H	135834	5/16" Washer
I	255290	Corner Railing Bracket
	255283	
J	231589	Guide Bracket



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