



Owner's Manual

Articulating Steps — Series 3

Before you begin...

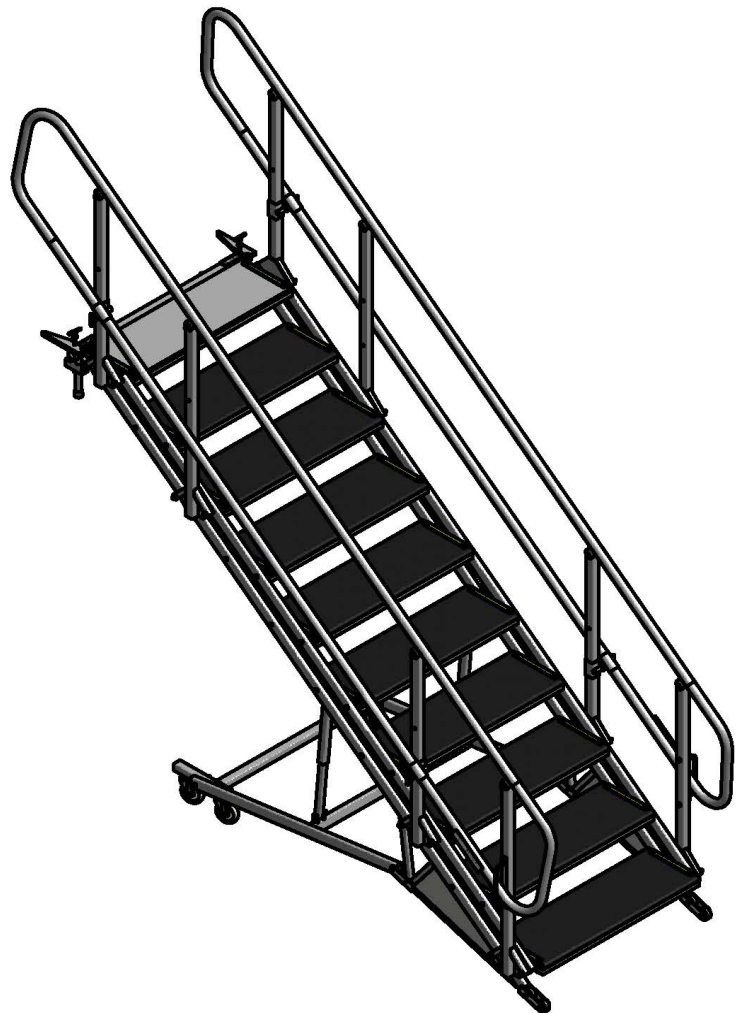
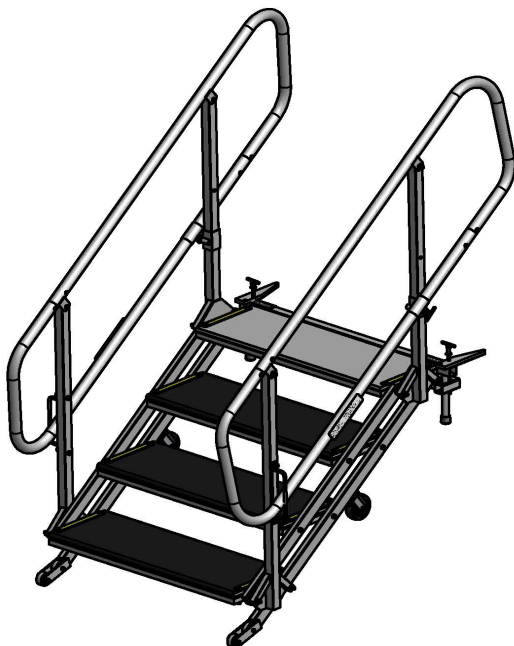
WARNING! Read and understand these instructions before operating. Failure to do so may result in serious injury.

Use care when lifting, pushing or pulling these units. Never lift more than you are able to safely handle.

Tools Required

- (2) 9/16" wrenches
- (2) 7/16" wrenches (8-rise, 9-Rise and 10-rise only)

If you have any problems during setup, contact SICO® Customer Care at 1.800.424.0796.



Introduction

Articulating steps are available to accommodate various stage heights from 16" (40cm) to 78" (200cm).

All models include guardrails, attachment clamp, and casters.

STEP MODEL	ATTACHES TO STAGE HEIGHT:
4-RISE	16" TO 32" (40cm) to (80cm)
5 - RISE	20" to 40" (50cm) to (100cm)
6 - RISE	24" to 48" (60cm) to (120cm)
7 - RISE	28" to 56" (70cm) to (140cm)
8 - RISE	40" to 64" (100cm) to (160cm)
9 - RISE	48" to 72" (120cm) to (180cm)
10 - RISE	48" to 78" (120cm) to (200cm)



Articulating Steps
(5 Rise Shown)

8, 9 & 10 step models include a gas spring lift assist.



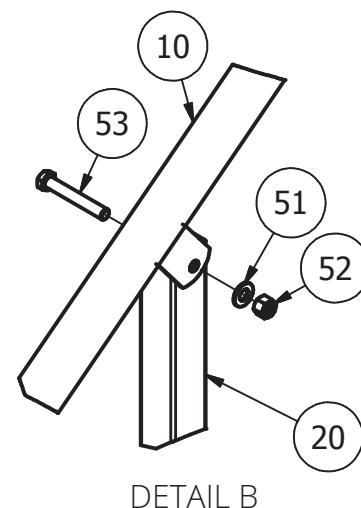
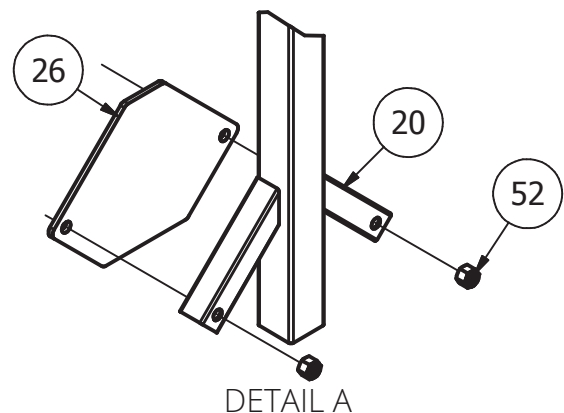
Assembly

Gas Lift Assist Installation — 8 Rise, 9 Rise and 10 Rise Only

1. Set step board and string subassembly on its side with the step boards rotated to maximize the gap between the upper and lower stringers for stability. Use caution to assure that this does not tip over, which could cause serious injury.
2. Tilt the lift assembly on its side with the gas spring tubes facing toward the step/stringer subassembly.
3. Attach the lift assist frame to the lower stringers.
4. Attach the upper end of the gas spring tubes to the bottom stringer at the location of the fifth step from the bottom. Just remove the nuts from the screws on the bottom stringer, install upper end of gas spring tubes over screws and reinstall nuts. Do not over tighten or the step will not be able to articulate. A rule of thumb is to tighten the nuts and loosen the nut about one-quarter turn.
5. Make sure you have enough people and/or equipment to safely complete the next step, which is to tilt the step assembly onto its casters.

Handrail Installation

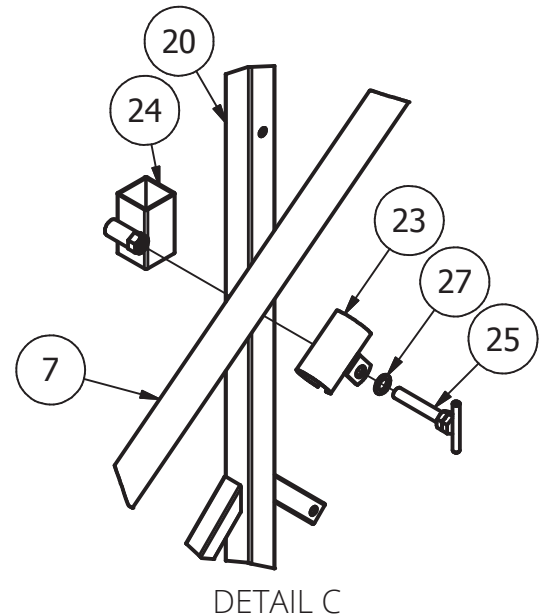
1. Install handrail posts and spacers onto the stringers. The 8-rise, 9-rise and 10-rise steps have eight posts, which install at the top and bottom steps and at the third step from the top and the third step from the bottom. The 7-rise step has six posts, which attach at the top, middle and bottom steps. The 4-rise, 5-rise and 6-rise steps have four posts, which attach to the top and bottom step. (See Detail A)
 - a. Remove two nuts, but not the flat washers, that are on the outside of the stringers at the location of the first post to be installed
 - b. Install a plastic spacer and a post into the screws. The spacer should be oriented so the bottom is flush with the bottom end of the post. The post should be oriented so there is no gap between the spacer and the post mounting holes.
 - c. Reinstall the two nuts. Do NOT over tighten the nuts or the step will not be able to articulate. A rule of thumb is to tighten the nuts and the loosen the nut about one-quarter turn.
 - d. Repeat for the remaining posts and spacers.
2. Install the handrails. There is a right hand and a left hand handrail. The tightening knobs go on the outside of the posts. (See Detail B and C)



Assembly, continued

Handrail Installation, continued

- a. Slip the sleeve (item 24 on Detail C) that is attached to the tightening knob over the top post. The 8-rise, 9-rise and 10-rise step also have a second sleeve that fits over the second post from the bottom; both sleeves will have to be slipped over the two posts at the same time.
- b. Attach the handrails to each post. Do NOT over tighten the nuts or the step will not be able to articulate. A rule of thumb is to tighten the nuts and then loosen the nut about one-quarter turn.
- c. The 4-rise, 5-rise, 6-rise and 7-rise steps have a guide bracket on the bottom post. Install this so that it captures the lower portion of the handrail. Tighten the nuts.
- d. Tighten T-handles (item 25 of Detail C)
- e. Repeat for the other handrail



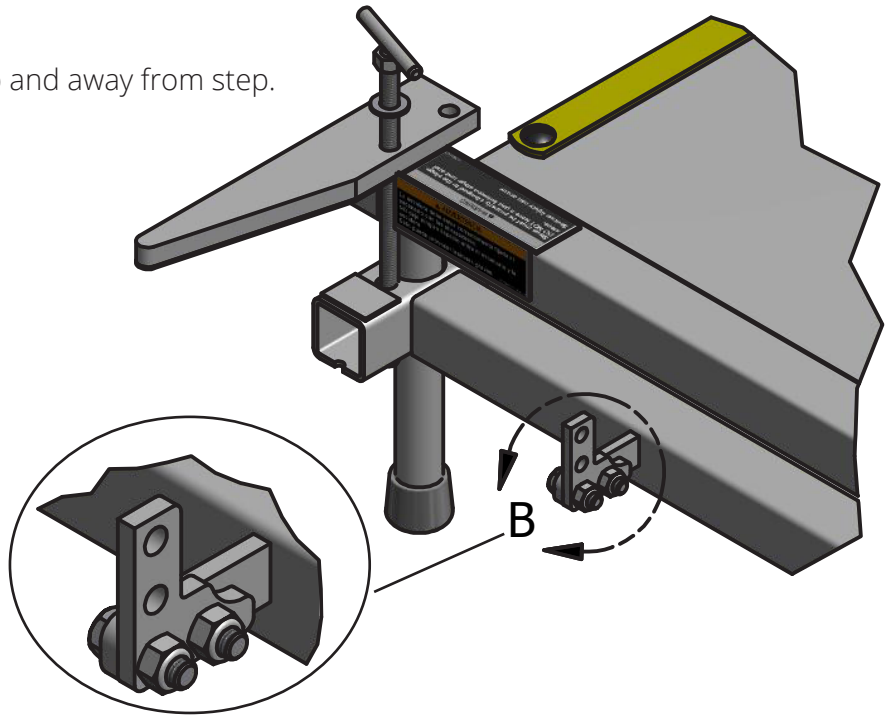
Operating instructions

Adjust Step Clamp Hooks if Necessary. Check this every time the steps are used to ensure the step connects securely to your stage.

The step clamp assembly has two hooks. Each hook has four mounting holes, only two of which are used. Which two are used and the orientation of the hooks depends upon the stage the step will connect to. Verify that the hook orientation and mounting holes utilized are correct for the stage in your setup.

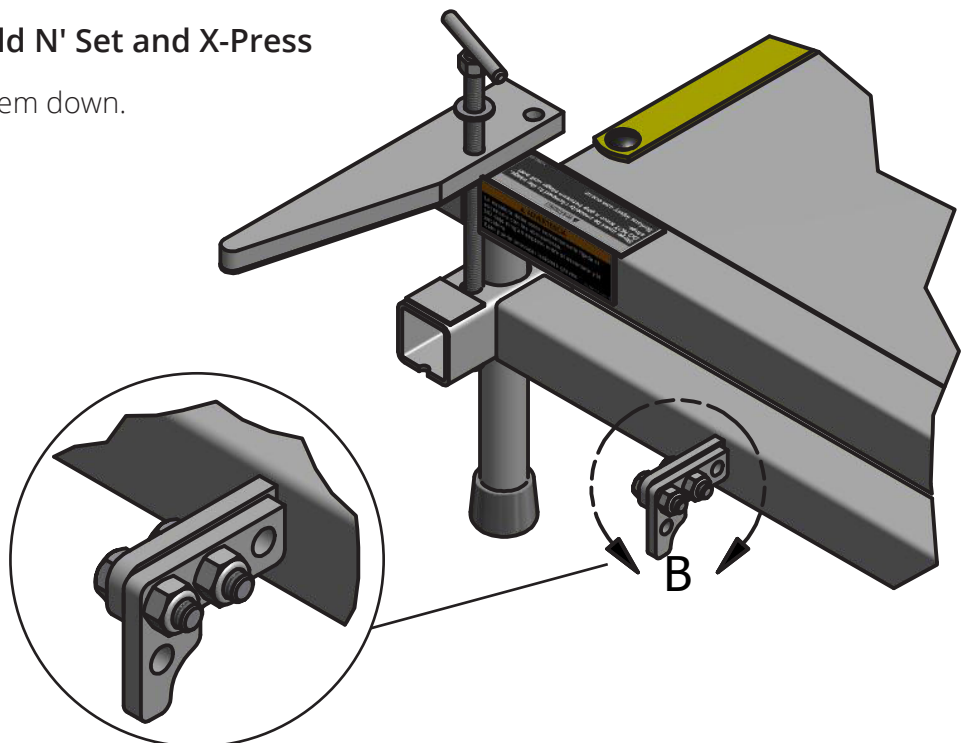
Tri-Height Stage

2 unused hook mounting holes oriented up and away from step.



Venue Maker Pro, Roll N' Set, Fold N' Set and X-Press

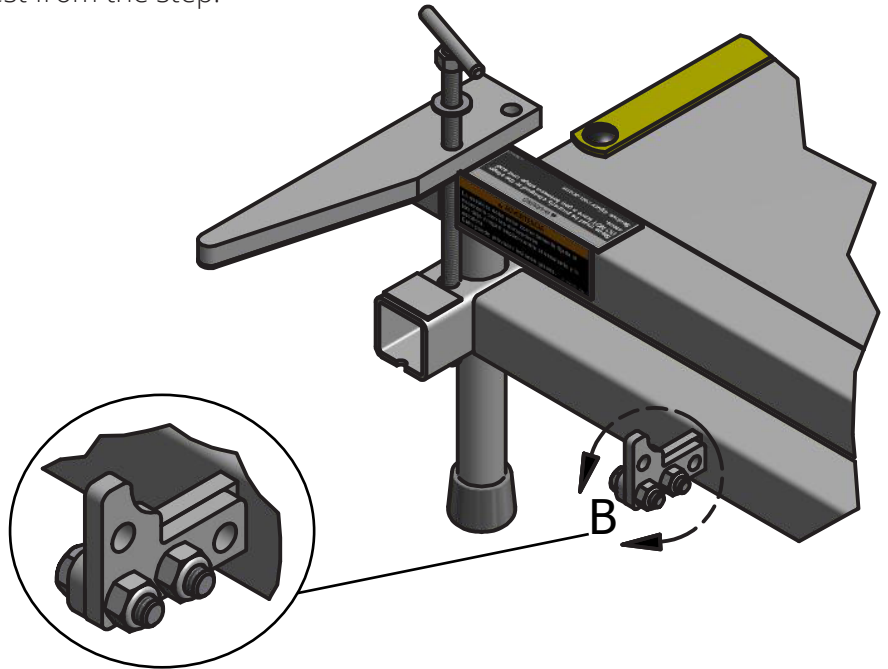
The hooks are not used, so orient them down.



Operating instructions, continued

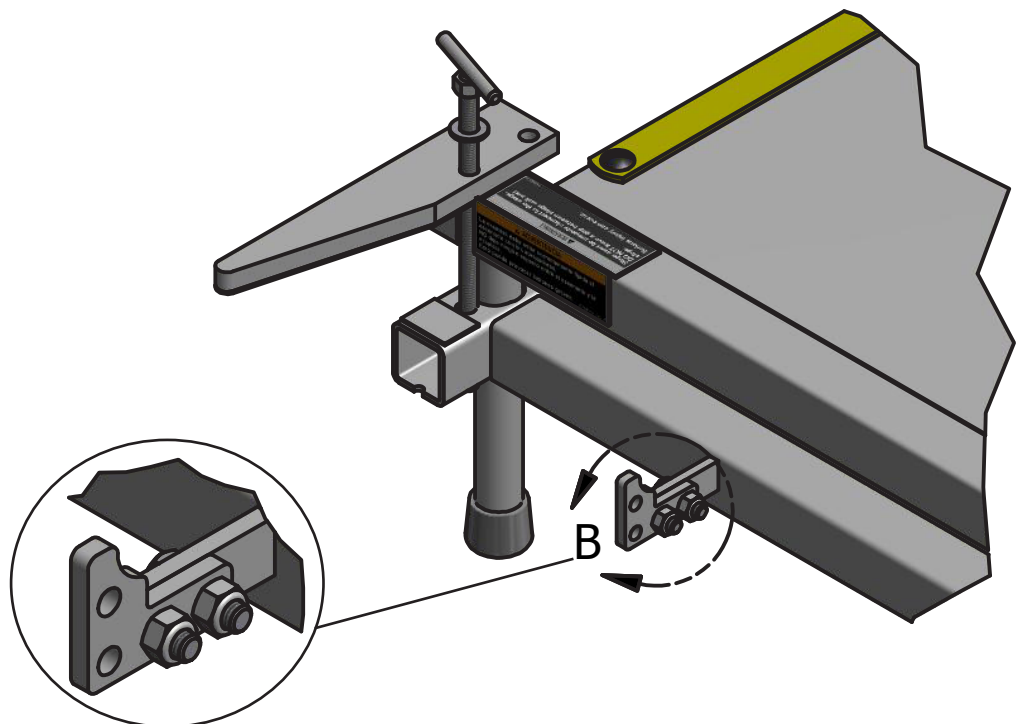
Tech-Lite™

Orient hooks so three mounting holes are horizontal. Install with hook away from step utilizing the two holes farthest from the step.



VT Folding Leg

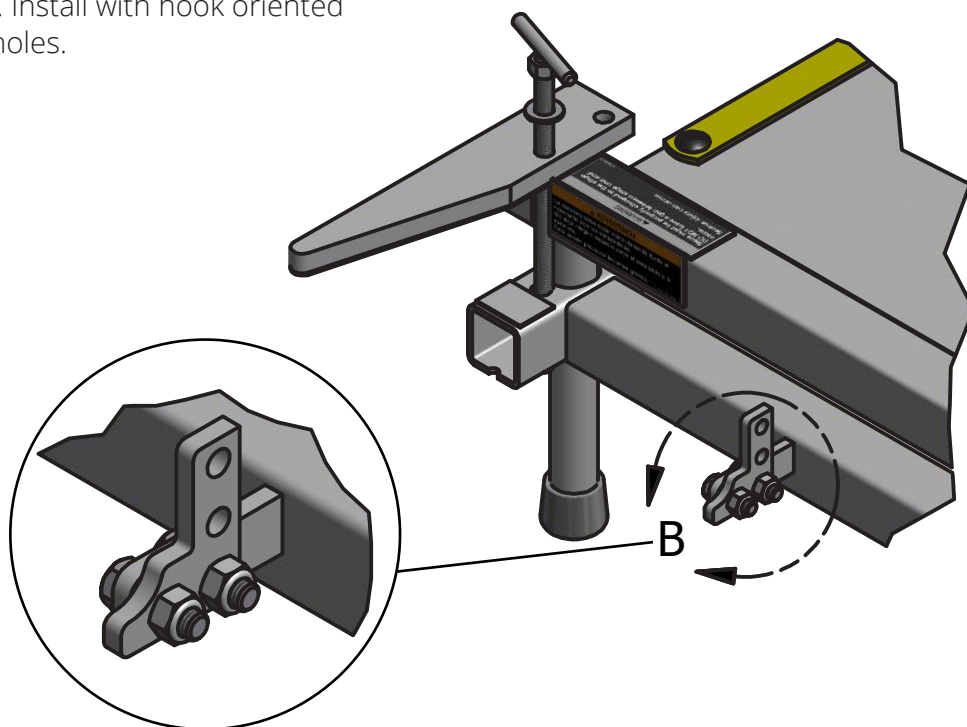
Orient hooks so three mounting holes are horizontal. Install with hook away from step utilizing two holes closest to step.



Operating instructions, continued

1800 Series

Orient hooks with three holes vertical. Install with hook oriented toward step utilizing the two bottom holes.



Attaching the Articulating Steps to a Stage

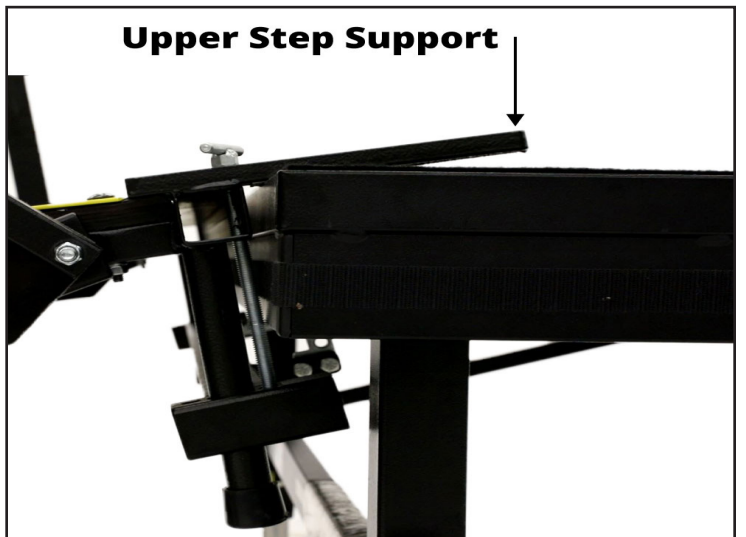
NOTE: Two people are required to safely set up the articulating steps.

1. Verify that clamp hooks are installed correctly for the stage being used. See pages 5 to 7.
2. Move the steps close to the stage you will be using.
3. With a person on each side of the steps, lift the top end of the steps, move the step to the stage and set the top of the step on the edge of the stage. For 8-rise, 9-rise and 10-rise steps with lift assist, raise or lower the step as required to set top end of step on the edge of the stage.

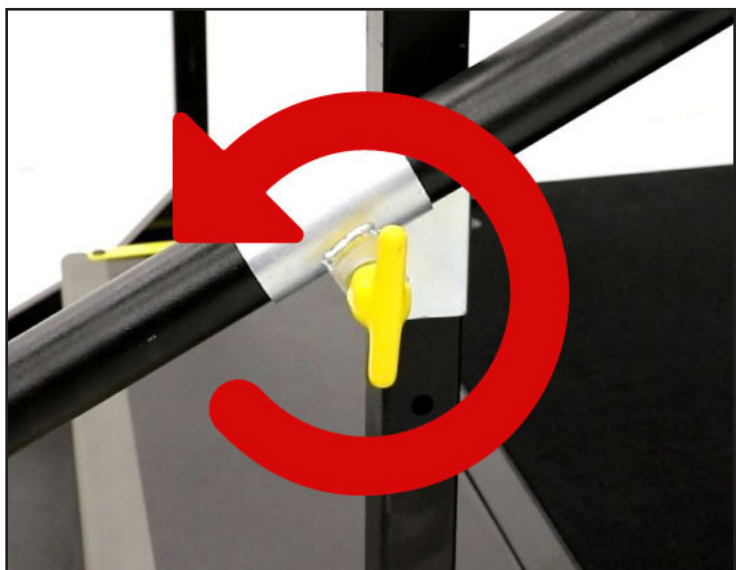


4. IMPORTANT:
If the steps are not level with the stage as shown at the right, the steps will need to be made level.

The upper steps support should rest flat on the deck surface.



5. To Level the steps with the stage; loosen all the T-handles that connect the handrails to the railing posts.



Attaching the Articulating Steps to a Stage, continued

6. Push or pull guardrail posts as required to make the steps level and the posts vertical.

When properly adjusted, the upper step supports will fully rest on the deck, posts will be vertical and steps will be level.

It may be helpful to use a level to be sure of proper position.

Then, tighten all the T-handles



Attaching the Articulating Steps to a Stage, continued

7. Push the steps against the stage until there is no gap between the top step and the stage.

WARNING

Steps must be properly clamped to the stage.
DO NOT leave a gap between the stage unit
and steps.
Serious injury can occur.

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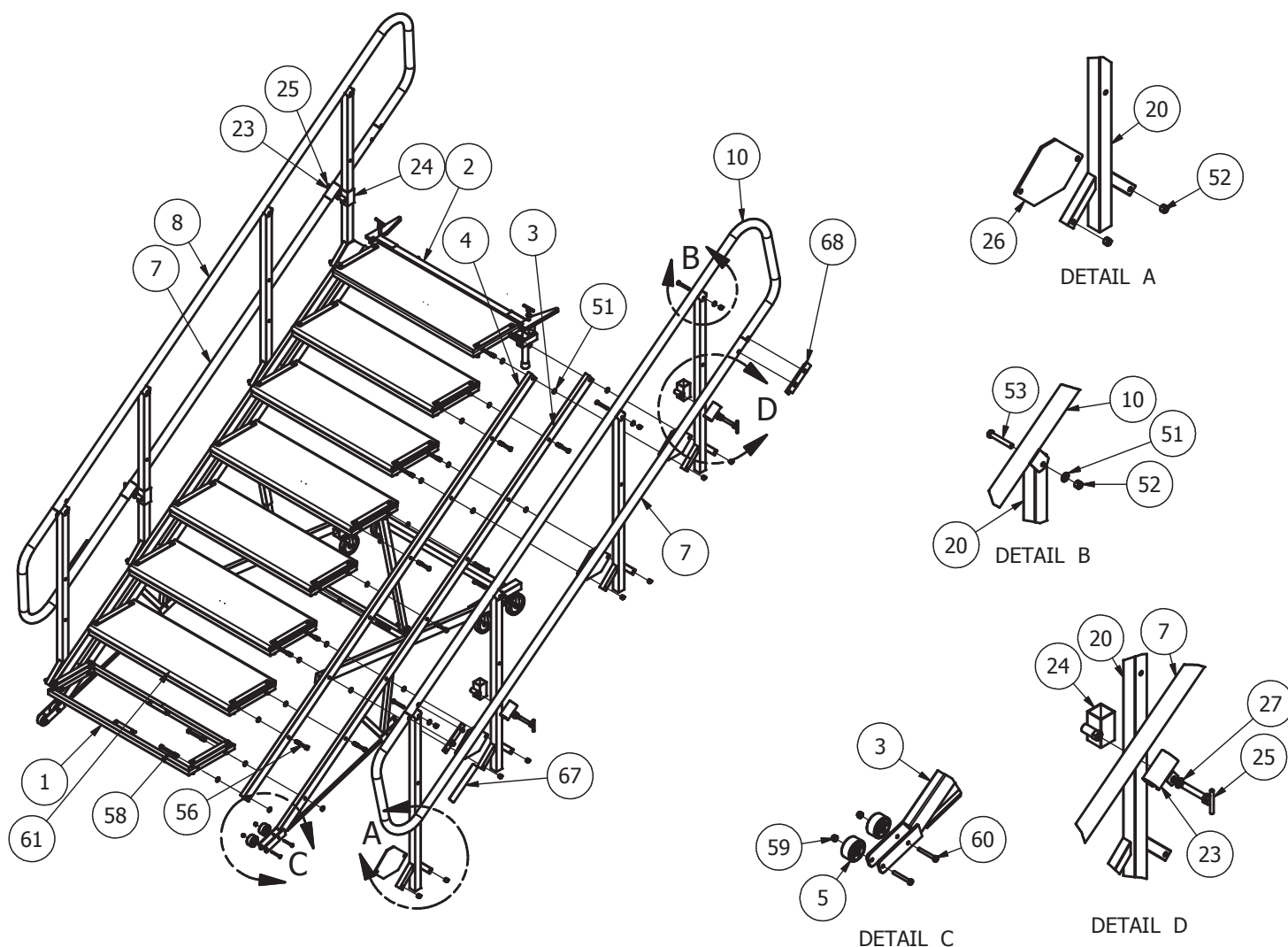
8. Hand tighten the T-handles at the top step to secure the steps to the stage.

Important: Both sides of the steps must be properly secured to the stage to prevent the steps from moving away from the stage.

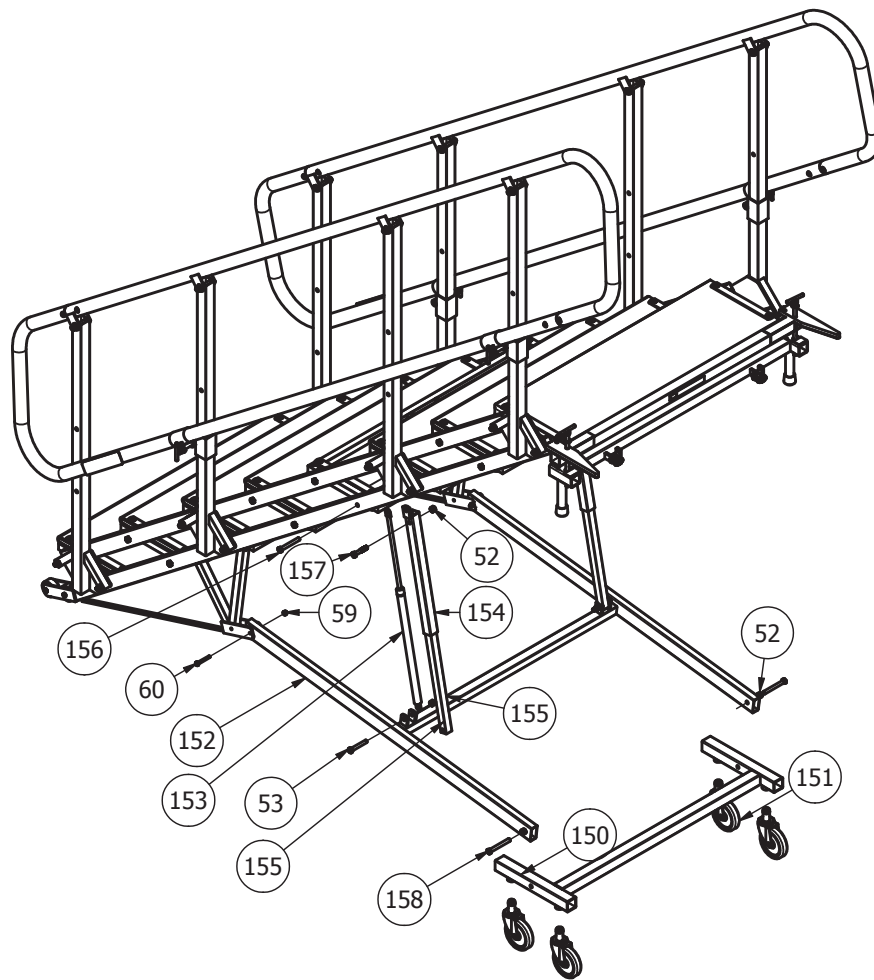
9. Verify that the step is securely attached.



Parts List



PARTS LIST					
ITEM	DESCRIPTION	ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	STEP ASSEMBLY	26	RAIL VERTICAL SPACER	68	KIT, CONNECTOR
2	TOP STEP ASSEMBLY	27	MACH BUSHING 7/8 X 17/32	69	SICO SERIAL PLATE
3	WLD LOW STRINGER	51	WASHER, 3/8" SAE	150	WELDMENT CASTER BEAM
4	TOP STRINGER	52	NUT STOP, 0.38-24 NF	151	CASTER 4 SWIVEL INSERT
5	2" WHEEL	53	SCR C HH .38-24X2.50	152	WELDMENT LIFT FRAME 8 RISE
7	HANDRAIL	56	HEX HEAD CAP SCREW	153	GAS SPRING
8	STEP RAIL LH	58	SCR C HH .38-24 X 4.00	154	WELDMENT, OUTER GUARD
10	STEP RAIL RH	59	NUT STOP, .24-20 UNC	155	INNER GUARD TUBE
20	WLD RAIL VERTICAL	60	SCR C HH .25-20 X 2.00	156	3/8-24 N.F. X 3.00 HEX HEAD
23	WLD CUT SLEEVE	61	CARPETED, STEP BOARD	157	SCR C HH .38-24X2.00
24	WLD NUT SLEEVE	61	STEP BOARD	158	HEX HEAD CAP SCREW
25	CLAMP KNOB, YELLOW	67	LABEL OPERATION INSTRUCTION		



Please have the serial number of the product when contacting customer service to receive assistance for:

- Selecting replacement parts/decals
- Repairing the product
- Adjusting and operating the product
- Obtaining online assistance



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