



SafeLok Repair Kit

INSTALLATION / OWNER'S MANUAL

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SafeLok Repair Kit ASSEMBLY



WARNING! READ CAREFULLY AND UNDERSTAND ALL INSTRUCTIONS BEFORE STARTING INSTALLATION. FAILURE TO FOLLOW ALL INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS PERSONAL INJURY.

IMPORTANT

- Equipment should not be altered or modified from its original design without consultation with the manufacturer.
- Minimum temperature range is -20 degrees F (-28 degrees C), maximum temperature is 200 degrees F (93 degrees C).
- Equipment which is damaged or becomes damaged during use, handling, or shipping should be set aside and not used.



- WARNING! Failure to assemble properly can result in product damage not covered under warranty. Failure to secure all fasteners may result in death or serious personal injury.

NOTICE: Do not use impact wrenches.



- WARNING! After a usage period of 60-90 days, check all fasteners to ensure connections are secure. Periodic inspection is recommended to insure all fasteners are secured. Failure to secure all fasteners may result in death or serious personal injury.

SafeLok Repair Kit ASSEMBLY

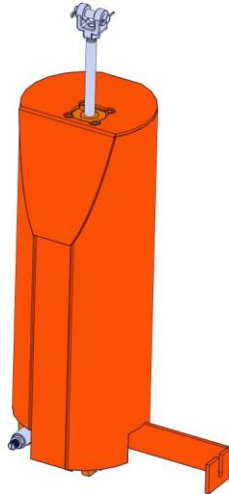
ASSEMBLY CRITERIA

- **Verify existing SafeLok T-Frame and Underslung do not have any damage. If any damage is found, contact your local sales representative or call 803-774-7225.** Check the following specifically:
 - Ensure all bolts are installed properly at the T-Frame, Basetread, Underslung, U-body, Cable and mechanical lock.
 - Ensure leading edge of underslung mount and u-body edge are flush.
 - Ensure all bolts are properly tightened according to installation manual.
 - No impact wrenches are to be used
 - Tighten all bolts by hand
 - TORQUE DATA:
 - For 1/4" stainless steel bolted connections = 63 in-lbs. (5 ft-lbs.) lubricated or 75 in-lbs. (6 ft-lbs.) dry +/-10%.
 - For 3/8" stainless steel bolted connections = 200 in-lbs. (16.5 ft-lbs.) lubricated or 235 in-lbs. (19.5 ft-lbs.) dry +/-10%.
 - For 3/4" galvanized bolted connections = 2400 in-lbs. (200 ft-lbs.) lubricated or 3000 in-lbs. (250 ft-lbs.) dry +/-10%.
 - For 1/4" stainless steel bolted connections = 7 N-m lubricated or 8 N-m dry +/-10%.
 - For 3/8" stainless steel bolted connections = 23 N-m lubricated or 27 N-m dry +/-10%.
 - For 3/4" galvanized bolted connections = 271 N-m lubricated or 339 N-m dry +/-10%.

TOOLS REQUIRED FOR REPAIR KIT ASSEMBLY

- 9/16" Wrench
- Pliers

KIT COMPONENTS

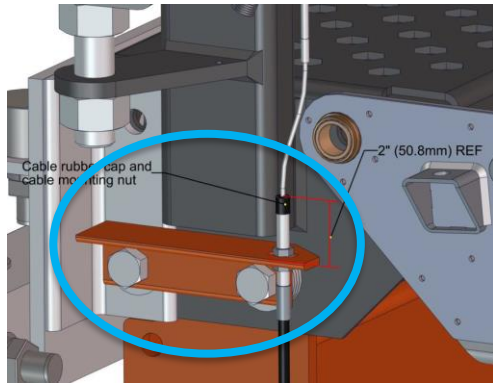


LOCK-DOWN MECHANISM

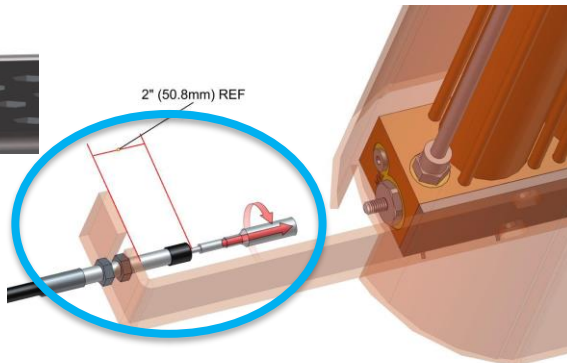
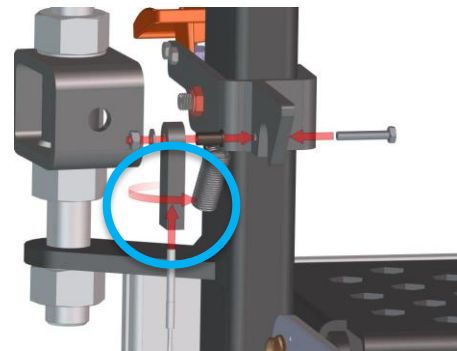


CABLE

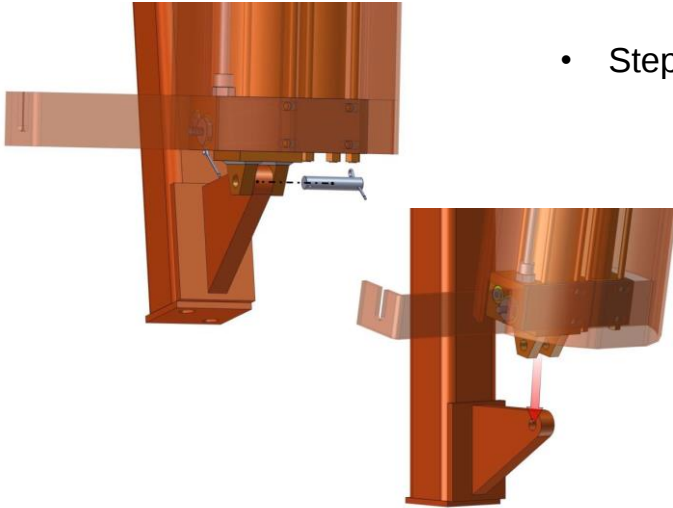
REMOVE EXISTING CABLE AND CYLINDER



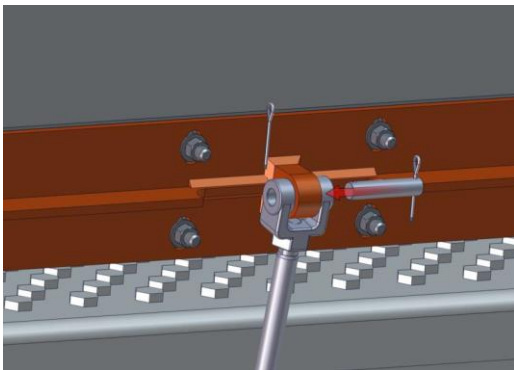
- Step 1 - Unscrew cable end from foot lock lug to remove cable assembly.
- Step 2 - In order to remove external threaded end of cable from bracket, remove cable's rubber cap and upper mounting nut.
- Step 3 – loosen cable nuts from cylinder cover “L” bracket and slide out of slot to remove.



REMOVE EXISTING CABLE AND CYLINDER

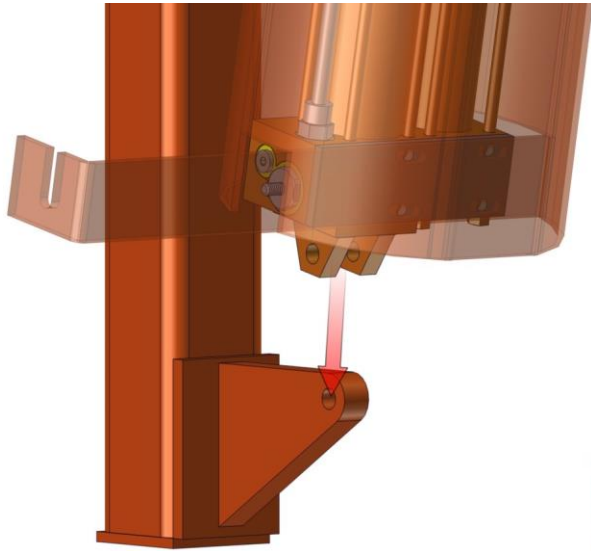


- Step 4 or 5 - Pull cotters and cylinder pin to remove cylinder assembly.



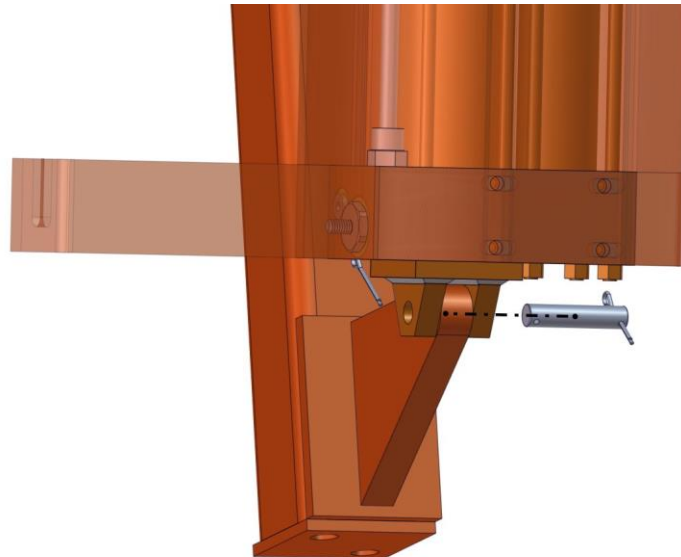
- Step 4 or 5 - Pull cotters and pin from cylinder clevis end to remove cylinder assembly from underslung.

MOUNTING CYLINDER TO T-FRAME

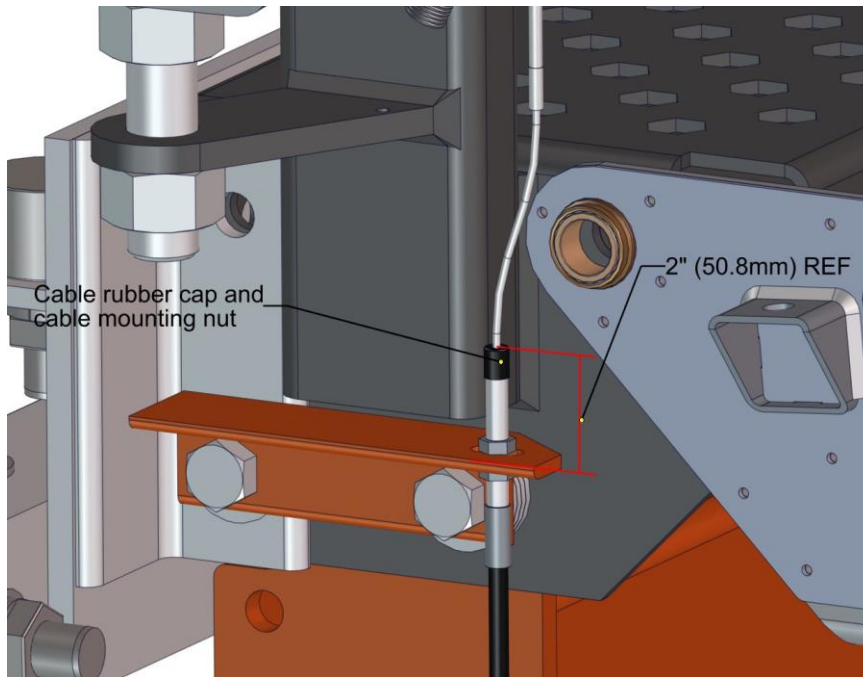


- Orient cylinder mechanism as shown.
- Position clevis of cylinder onto lug of T-frame.
- Insert mounting pin and cotter pin.

Note: Orientation of cylinder mechanism is important based on cable attachment to threaded valve plunger.



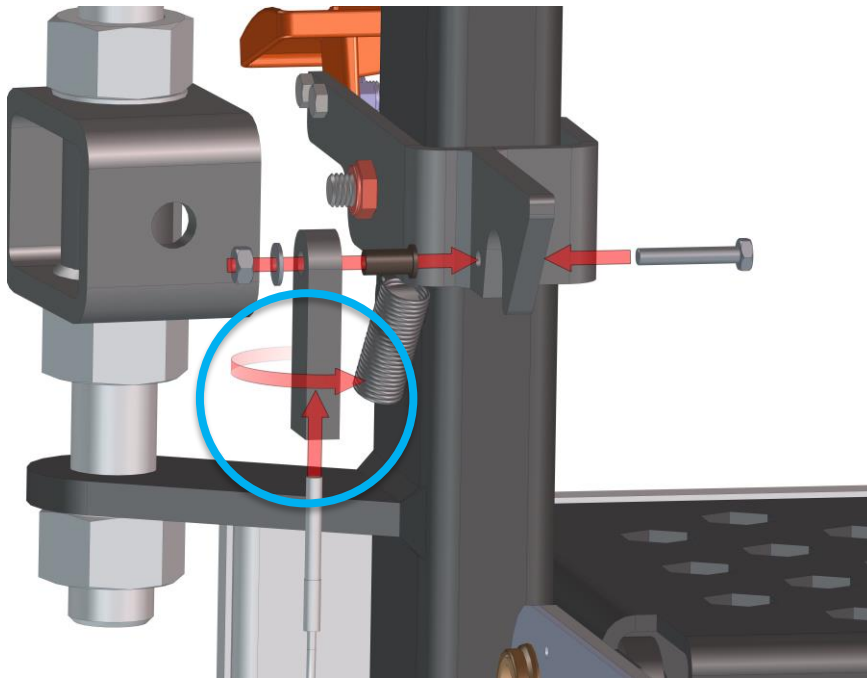
CYLINDER CABLE TO FOOTLOCK



- In order to attach external threaded end of cable to bracket, remove cable's rubber cap and upper mounting nut.
- Slide through slot of bracket and reattach nut and rubber cap.
- Loosely tighten cable nuts to bracket.

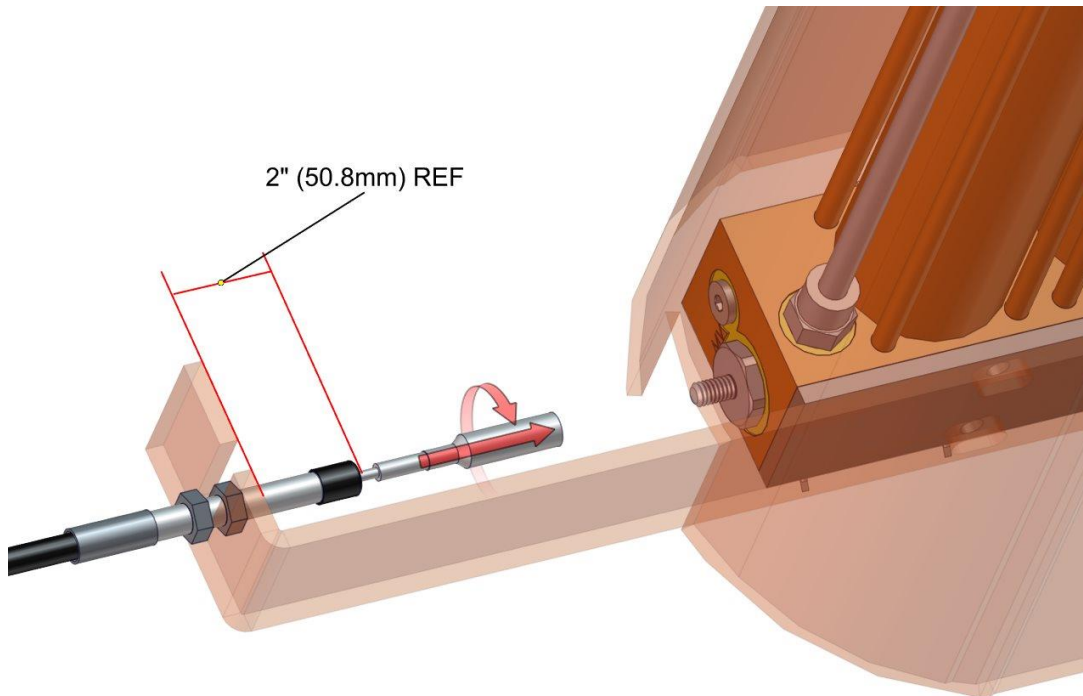
Note: Cable nuts to be securely tightened after attaching cable end to footlock.

CYLINDER CABLE TO FOOTLOCK



- Image of original cable lug assembly. Do not disassemble.
- Attach cable lug to external threaded end of cable. (blue circle)

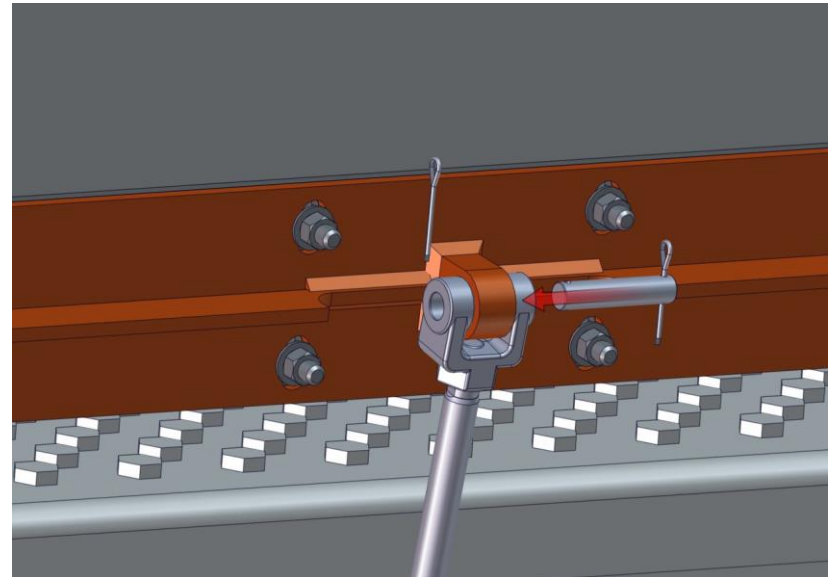
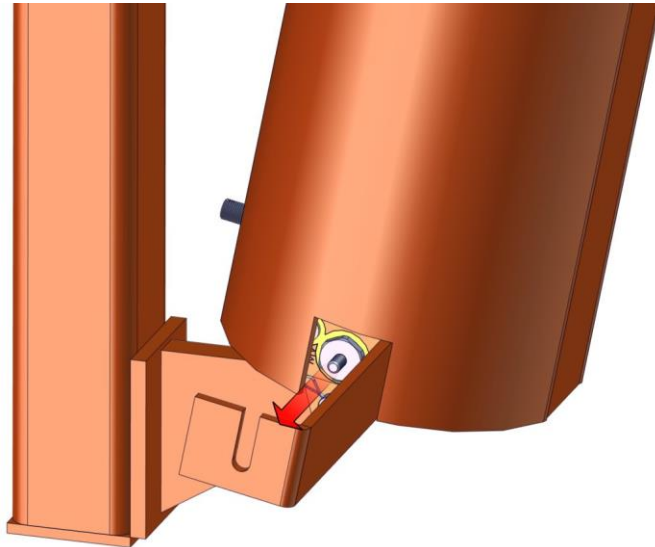
CYLINDER CABLE TO CYLINDER



- Position internal threaded end of cable as shown.
- Secure cable to bracket using nuts on cable.
- Secure internal threaded end of cable to threaded valve plunger of cylinder.
- Loosely tighten cable mounting nuts.

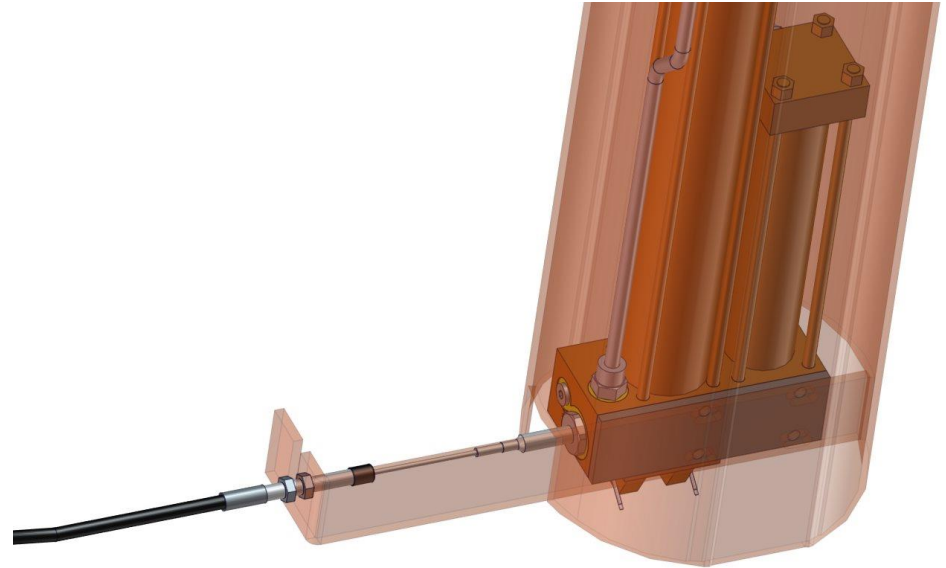
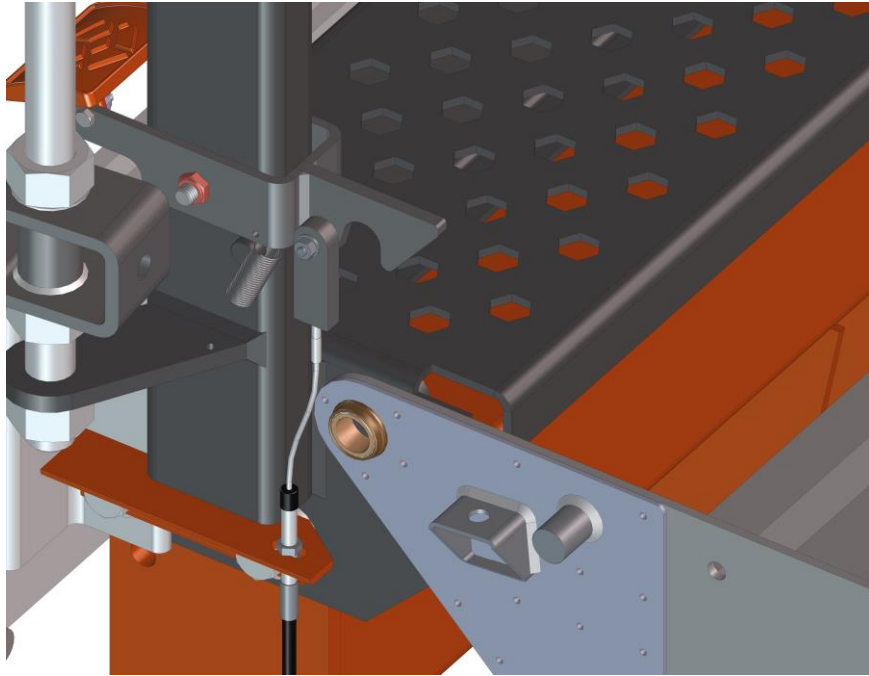
Note: Cable nuts to be securely tightened after attaching cable end to footlock.

MOUNTING CYLINDER TO UNDERSLUNG



- In order to attach the rod end clevis to the underslung, pull the threaded valve plunger allowing the rod to extend.
- Position rod end clevis onto lug of underslung mounting lug.
- Insert mounting pin and cotter pin.

CYLINDER CABLE ADJUSTMENT



- Adjust cable mounting nuts to create slack in internal moveable cable between the angle and footlock.
- Securely tighten cable mounting nuts.

OPERATION



WARNING! READ CAREFULLY AND UNDERSTAND ALL GANGWAY AND G4 GANGWAY/CAGE LOCK-DOWN ASSEMBLY OPERATION INSTRUCTIONS BEFORE STARTING OPERATING. FAILURE TO FOLLOW ALL INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS PERSONAL INJURY.

IMPORTANT

- Refer to gangway owner's manual. For a copy, contact your local sales representative or call 803-774-7225.



- CAUTION!
 - When releasing footlock, keep hands away from pivoting parts.
 - When lowering gangway, keep both hands on top handrails.
 - Gangway must be supported on vehicle or by chain stops. Do not use cage as a means of supporting the gangway. This can damage and/or break the cage.
 - Before using gangway, verify that the chain stops on both sides of the gangway are set.
 - When raising gangway, grab the pull-up rope securely.

NOTE: For lock down cylinder, minimum temperature range is -20 degrees F (-28 degrees C), maximum temperature is 200 degrees F (93 degrees C).

Failure to comply with these cautions could result in personal injury or damage to equipment.

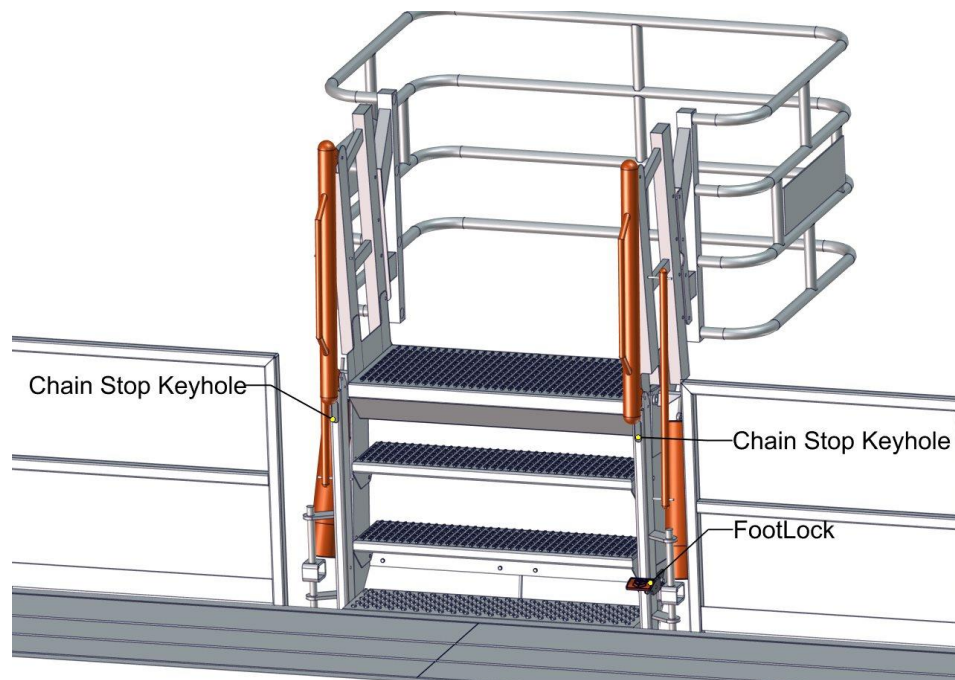
OPERATION

To Lower Gangway:

- Check area around gangway to ensure that objects and equipment are clear of articulating path of gangway.
- Release gangway locking mechanism (foot lock) at base of upright.
- Slowly lower the gangway using handles on top handrail. Lower unit until gangway end tread is approximately level with surface to be accessed.
- Adjust chain stops and lock into chain stop keyholes on both uprights.

To Raise Gangway

- Check area around gangway to ensure that objects and equipment are clear of articulating path of gangway.
- Raise gangway by depressing and **holding** locking mechanism (foot lock) at base of upright and pulling up on the nylon pull-up rope attached to the right side of the gangway body.
- Locking mechanism (foot lock) will engage when gangway reaches stored position.
- Verify that foot lock is fully engaged when storing.



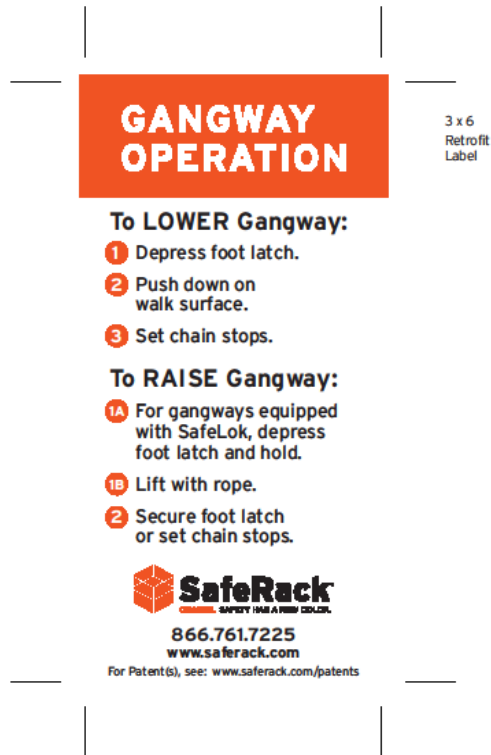
OPERATION

FOR FIELD LOCK DOWN RETROFIT

(Prepare current label surface area for new label by creating a clean dry surface)

Step 1: Remove **GANGWAY OPERATION** label from this sheet

Step 2: Place directly over the existing
GANGWAY OPERATION label located on gangway handrail.



FOLLOW STEPS AS SHOWN.