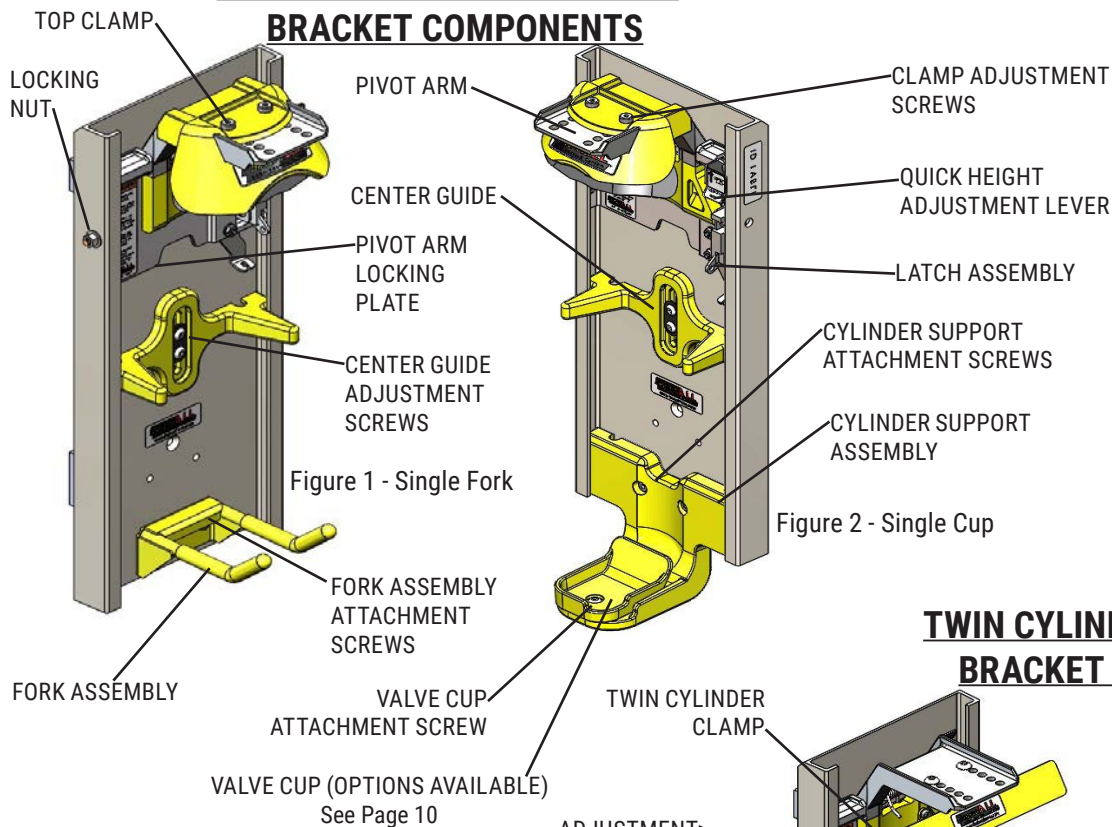


SecureALL[®]

SCBA Locking System

ADJUSTMENT INSTRUCTIONS FOR THE SECUREALL[®] SCBA LOCKING SYSTEM (SLS)

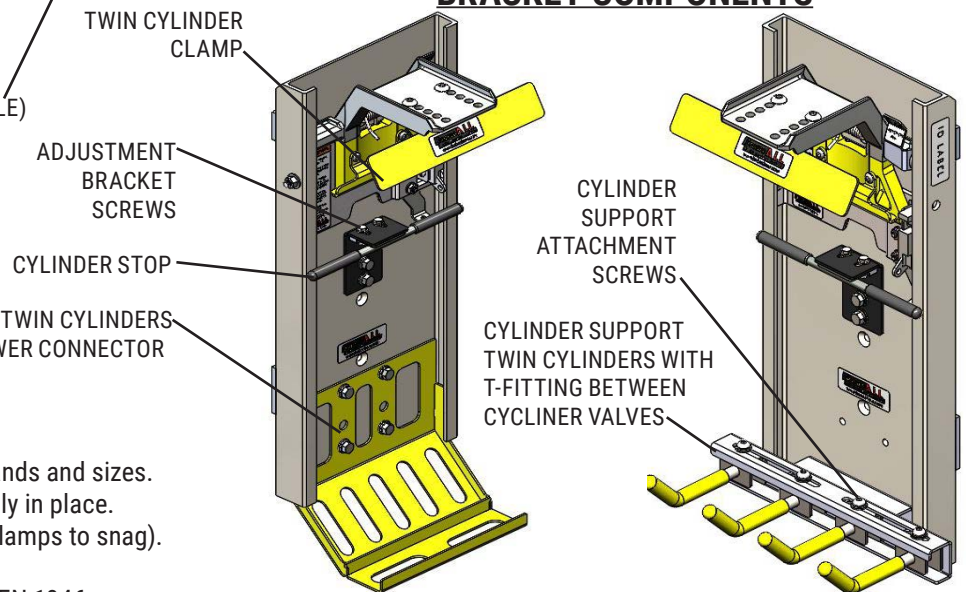
SINGLE CYLINDER SECUREALL[®] BRACKET COMPONENTS



TOOLS REQUIRED

$\frac{3}{16}$ " (4.5mm) Hex Key Wrench
 $\frac{3}{8}$ " (10mm) wrench
 $\frac{3}{8}$ " (10mm) Hex Key Wrench
 $\frac{7}{16}$ " (11mm) wrench
 $\frac{1}{2}$ " (13mm) wrench
 #3 Phillips Screwdriver

TWIN CYLINDER SECUREALL[®] BRACKET COMPONENTS



GENERAL PRODUCT INFORMATION

FEATURES

Safely stores most U.S and International SCBA brands and sizes.
 Patented auto-lock system holds the SCBA securely in place.
 Patented one-touch release handle (no straps or clamps to snag).
 Easy adjust components.
 Meets NFPA 1901 standards and requirements of EN 1846

SAFETY INFORMATION

⚠ DANGER indicates a hazardous situation which, if not avoided, **WILL** result in death or serious injury.
⚠ WARNING indicates a hazardous situation which, if not avoided, **COULD** result in a death or serious injury.
⚠ CAUTION indicates a hazardous situation which, if not avoided, **COULD** result in minor or moderate injury.

NOTICE is used to address practices not related to physical injury.

SAFETY INSTRUCTIONS (or equivalent) indicate specific safety related instructions or procedures.

H.O. BOSTROM COMPANY, INC.
 818 PROGRESS AVE, WAUKESHA, WI 53186
 WWW.HOBOSTROM.COM
 08-0125 Rev 02 10/28/20



For additional assistance contact your OEM, Dealer OR the
 H.O. Bostrom sales department at sales@hobostrom.com;
 (800) 332-5415 OR (262) 542-0222, Option 2

SETUP AND ADJUSTMENT

AIR CYLINDER BRAND AND CYLINDER DIMENSION CHART

Identify air cylinder size before adjusting SecureALL®

CYLINDER TYPE	DIAMETER	CIRCUMFERENCE	VALVE CUP NOTCH POSITION	CYLINDER SUPPORT POSITION	TOP CLAMP POSITION	BOTTLE SPECIFIC SERVICE KITS (ALSO SEE PAGE 7)
AVON (ISI)						
2216PSI ALUMINUM 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	LOWER	E	8902-065 KIT REQUIRED
2216PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	UPPER	C	
4500PSI COMPOSITE 30 MINUTE	5 3/4" (137mm)	16 7/8" (429mm)	FRONT	UPPER	A	
4500PSI COMPOSITE 45 MINUTE	6 3/4" (161mm)	20 1/4" (508mm)	FRONT	LOWER	B	
4500PSI COMPOSITE 60 MINUTE	6 3/4" (175mm)	21 3/4" (559mm)	FRONT	LOWER	C	
DRAEGER						
2216PSI ALUMINUM 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	LOWER	E	8902-065 KIT REQUIRED
2216PSI COMPOSITE 30 MINUTE	6 3/4" (168mm)	20 13/16" (529mm)	FRONT	UPPER	C	
4500PSI COMPOSITE 30 MINUTE	5 3/4" (137mm)	16 7/8" (429mm)	FRONT	UPPER	A	
4500PSI COMPOSITE 45 MINUTE	6 1/2" (165mm)	20 7/16" (519mm)	FRONT	LOWER	B	
4500PSI COMPOSITE 60 MINUTE	7" (178mm)	22" (559mm)	FRONT	LOWER	C	
HONEYWELL (SURVIVAIR, SPERIAN)						
2216PSI ALUMINUM 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	LOWER	E	8902-065 KIT REQUIRED
2216PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	UPPER	C	
3000PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	LOWER	C	
4500PSI COMPOSITE 30 MINUTE	5 1/2" (140mm)	17 1/4" (438mm)	FRONT	UPPER	A	
4500PSI COMPOSITE 45 MINUTE	6 3/4" (162mm)	20" (508mm)	FRONT	LOWER	B	
4500PSI LO-PRO COMP 45 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	UPPER	C	
4500PSI COMPOSITE 60 MINUTE	7" (178mm)	22" (559mm)	FRONT	LOWER	C	
INTERSPIRO						
2216PSI ALUMINUM 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	REAR	LOWER	E	8902-065 KIT REQUIRED
2216PSI COMPOSITE 30 MINUTE	6 3/4" (168mm)	20 13/16" (529mm)	REAR	UPPER	C	
4500PSI COMPOSITE 30 MINUTE	5 1/2" (140mm)	17 1/4" (438mm)	REAR	UPPER	A	
4500PSI COMPOSITE 45 MINUTE	6 3/4" (160mm)	19 13/16" (503mm)	REAR	LOWER	B	
4500PSI COMPOSITE 60 MINUTE	7" (178mm)	22" (559mm)	REAR	LOWER	C	
MSA® M7 & G1 See page 8 For Valve Cup Kits						
2216PSI ALUMINUM 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	UPPER	E	8902-065 KIT REQUIRED
2216PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	UPPER	B	
3000PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	LOWER	B	
4500PSI COMPOSITE 30 MINUTE	5 3/4" (137mm)	16 7/8" (429mm)	FRONT	UPPER	A	
4500PSI COMPOSITE 45 MINUTE	6 3/4" (157mm)	19 1/4" (494mm)	FRONT	LOWER	B	
4500PSI LO-PRO COMP 45 MINUTE	6 1/4" (159mm)	19 9/16" (498mm)	FRONT	LOWER	B	
4500PSI COMPOSITE 60 MINUTE	7 1/8" (181mm)	22 7/8" (581mm)	FRONT	LOWER	C	
5500PSI COMPOSITE 30 MINUTE	5" (127mm)	15 11/16" (398mm)	N/A	UPPER	A	8902-090 KIT REQUIRED
5500PSI COMPOSITE 45 MINUTE	6" (152mm)	18 13/16" (478mm)	N/A	UPPER	B	8902-090 KIT REQUIRED
5500PSI COMPOSITE 60 MINUTE	6 3/4" (157mm)	19 7/16" (494mm)	FRONT	LOWER	B	
5500PSI COMPOSITE 75 MINUTE	6 3/4" (175mm)	21 3/4" (549mm)	FRONT	LOWER	C	
SCOTT® See page 8						
2216PSI ALUMINUM 30 MINUTE	6 3/4" (167mm)	21 1/8" (537mm)	FRONT	LOWER	E	8902-065 KIT REQUIRED
2216PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	UPPER	C	
3000PSI COMPOSITE 30 MINUTE	6 3/4" (171mm)	21 1/4" (540mm)	FRONT	LOWER	C	
4500PSI COMPOSITE 30 MINUTE	5 3/4" (137mm)	16 7/8" (429mm)	N/A	UPPER	A	8902-090 KIT REQUIRED
4500PSI COMPOSITE 45 MINUTE	6 3/4" (157mm)	19 7/16" (494mm)	FRONT	LOWER	B	
4500PSI LO-PRO COMP 45 MINUTE	6 1/4" (159mm)	19 9/16" (498mm)	FRONT	UPPER	B	
4500PSI COMPOSITE 60 MINUTE	6 3/4" (175mm)	21 3/4" (549mm)	FRONT	LOWER	C	
5500PSI COMPOSITE 30 MINUTE	5" (127mm)	15 11/16" (398mm)	N/A	UPPER	A	8902-090 KIT REQUIRED
5500PSI COMPOSITE 45 MINUTE	6" (152mm)	18 13/16" (478mm)	N/A	UPPER	B	8902-090 KIT REQUIRED
5500PSI COMPOSITE 60 MINUTE	6 3/4" (157mm)	19 7/16" (494mm)	FRONT	LOWER	B	
5500PSI COMPOSITE 75 MINUTE	6 3/4" (175mm)	21 3/4" (549mm)	FRONT	LOWER	C	

TABLE 1 VALVE CUP INSERT CHOICE BY BRAND TABLE 1

Table 1



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SECUREALL® BRACKET ADJUSTMENT INSTRUCTIONS

1. VALVE CUP ADJUSTMENT

- A. Standard insert 8920-068 is factory installed on all SecureALL® brackets when no other adaptation is ordered. See Figure 5.

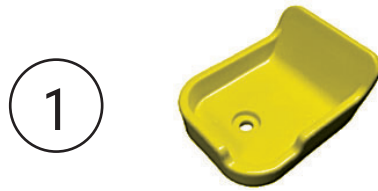


Figure 5

VALVE CUP ADJUSTMENT FOR INTERSPIRO ONLY

- A. Adjustment required for Interspiro SCBA with angled valve support only: use $\frac{3}{16}$ " (4.5mm) hex key wrench to remove attachment screw, rotate valve cup 180°, and reinstall screw for valve cup notch positioned rearward. See Figure 6.

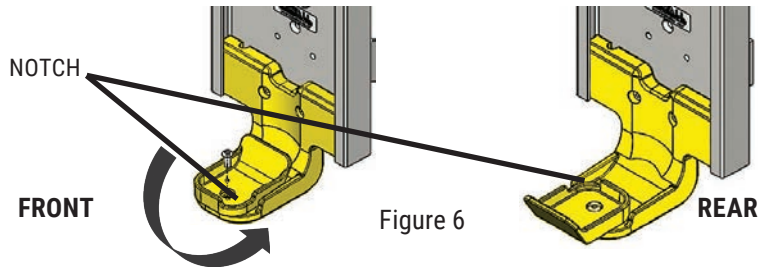


Figure 6

SECUREALL® BRACKET FORK ADJUSTMENT INSTRUCTIONS

2. CYLINDER SUPPORT ADJUSTMENTS

Twin cylinder packs with rod support only.

- A. Place twin bottle BA pack in bracket to determine proper location of support rods.
B. Use a $\frac{3}{16}$ " (4.5mm) hex key wrench to loosen four (4) screws.
C. Slide support rods inward or outward to desired location. See Figure 7. Pairs of support rods should be centered on each cylinder.

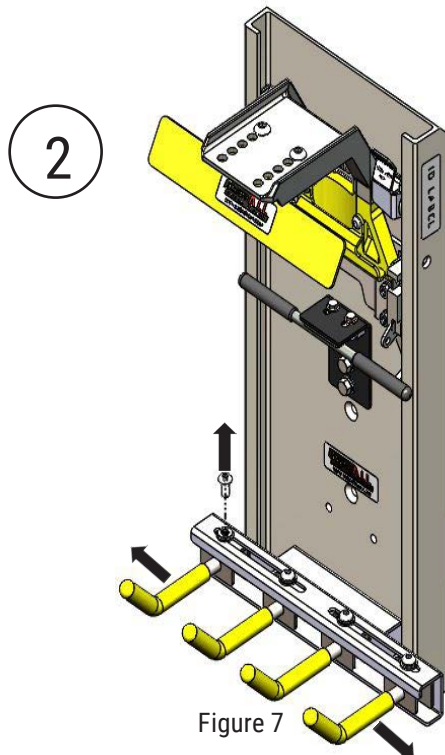


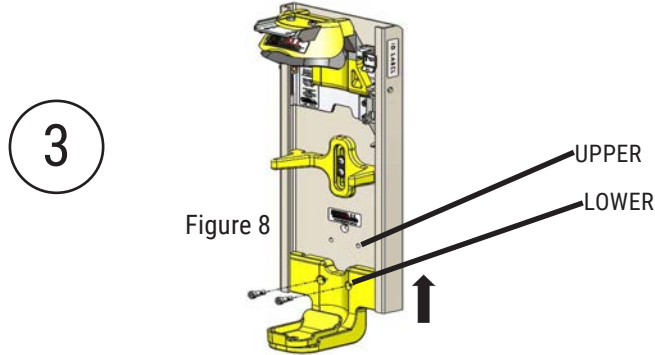
Figure 7



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3. CYLINDER SUPPORT POSITION ADJUSTMENTS

1. Measure overall SCBA cylinder length (including valve).
For SCBA's 19 ½" (495mm) to 22 ½" (572mm), use upper mounting holes.
For SCBA's 22 ¼" (571mm) to 26" (660mm), use lower mounting holes as shown in Figure 8.
2. If applicable, remove attachment screws, position cylinder support assembly, and reinstall screws.

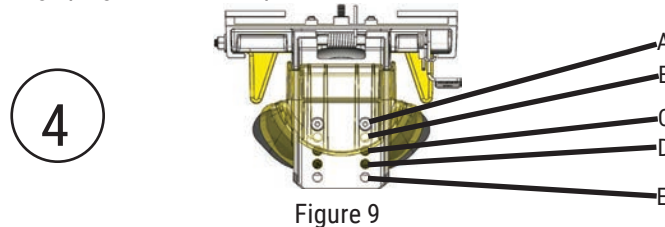


WARNING

The installer is liable for SCBA bracket adjustment. Failure to properly tighten fasteners could result in cylinder support coming loose unexpectedly and accidental SCBA release.

4. TOP CLAMP ADJUSTMENT - UNITED STATES AND CANADA

- A. Measure the circumference of the SCBA bottle and refer to Table 2 for top clamp position.
- B. Place valve in foot cup and push bottle into SecureALL®.
- C. Use ⅜" (4.5mm) hex key wrench to remove clamp adjustment screws and slide clamp inward or outward to find the correct fit. See Figure 9. Note that the bottle should have some freedom to move.
- D. Replace adjustment screws in the appropriate clamp adjustment holes. Torque screws to 8 ft-lbs.
- E. Remove and reinstall the SCBA assembly to confirm adjustment for cylinder size. Ensure there are no obstructions that could prevent the cylinder from locking up against the clamp.

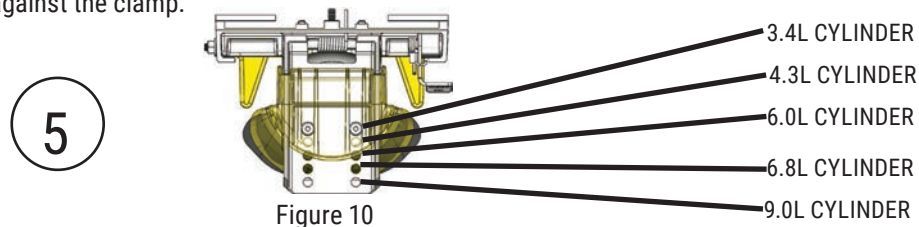


WARNING

The installer is liable for SCBA bracket adjustment. Failure to properly tighten fasteners could result in the clamp sliding forward and accidental SCBA release.

5. TOP CLAMP ADJUSTMENT - INTERNATIONAL

- A. Measure the circumference of the SCBA bottle and refer to Figure 10 for nominal starting clamp position.
- B. Place valve in foot cup and push bottle into SecureALL®.
- C. Use ⅜" (4.5mm) hex key wrench to remove clamp adjustment screws and slide clamp inward or outward to find the correct fit. See Figure 10. Note that the bottle should have some freedom to move.
- D. Replace and tighten adjustment screws in the appropriate clamp adjustment holes.
- E. Remove and reinstall the SCBA assembly to confirm adjustment for cylinder size. Ensure there are no obstructions that could prevent the cylinder from locking up against the clamp.



WARNING

The installer is liable for SCBA bracket adjustment. Failure to properly tighten fasteners could result in the clamp sliding forward and accidental SCBA release.

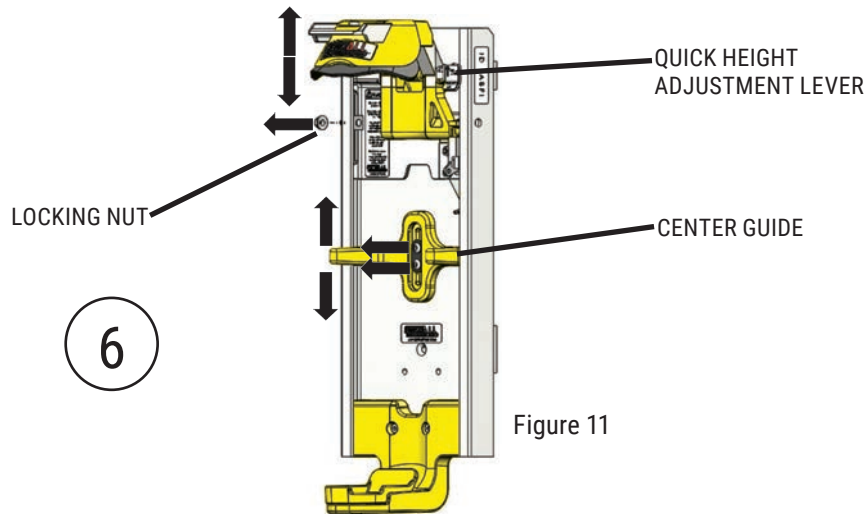


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4. BOTTLE LENGTH HEIGHT ADJUSTMENT

OPERATION

- A. Lift up on the quick height adjustment lever. Slide clamp up or down to contact cylinder. See Figure 11.
- B. While holding position of the clamp assembly, push the height adjust lever $\frac{1}{8}$ " (3mm) to $\frac{1}{4}$ " (6mm) down. Do not force the lever down or it may be difficult to adjust in the future.
- C. If the clamp assembly is difficult to slide up and down, use a $\frac{1}{2}$ " (13mm) wrench to loosen the locking nut. If too tight, loosen by $\frac{1}{2}$ turn. Ensure screw thread fully engages with nylon insert in locking nut.
- D. If, after adjusting the top clamp, the center guide interferes with the release cable, adjust the center guide downward. To adjust, use $\frac{3}{16}$ " (4.5mm) hex key to loosen the two screws and slide the center guide up or down to the desired height. Once the height has been established, tighten the screws to lock in place.
- E. Quick height adjustment must be verified whenever a new cylinder is used.



CAUTION

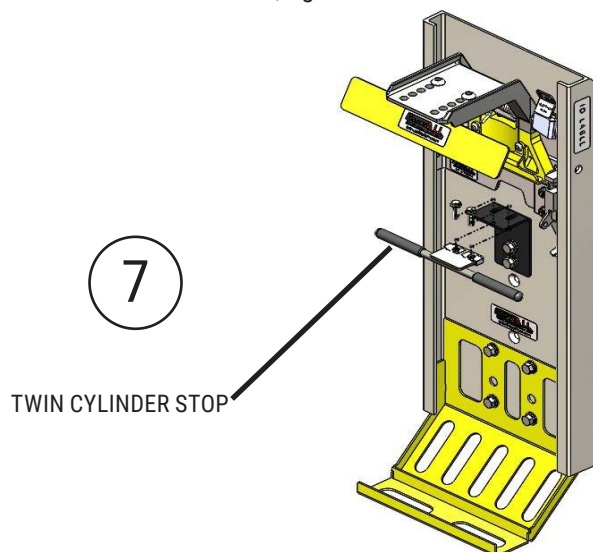
The installer is liable for SCBA bracket adjustment. If locking nut is not secured onto screw, the stop could come loose and clamping assembly can slide out of channel.

7. TWIN CYLINDER STOP

(SecureALL® with twin cylinder stop does not have an option for the RestStop.)

The SLS has a twin bottle stop that can be adjusted horizontally, as needed. The purpose of the cylinder stop is to prevent the cylinders from contacting the release latch.

- A. To adjust, use a $\frac{3}{8}$ " (10mm) wrench to loosen the two screws and slide the center guide forward or backward to the desired position. See Figure 12.
- B. Once the position has been established, tighten the screws to lock in place.



8. OPTIONAL RESTSTOP BACK SUPPORT

The rest stop back support provides a rigid surface for supporting the back when no SCBA is present.

A. To position, lift up or pull down on rest stop mechanism and set to desired height. See Figure 13.

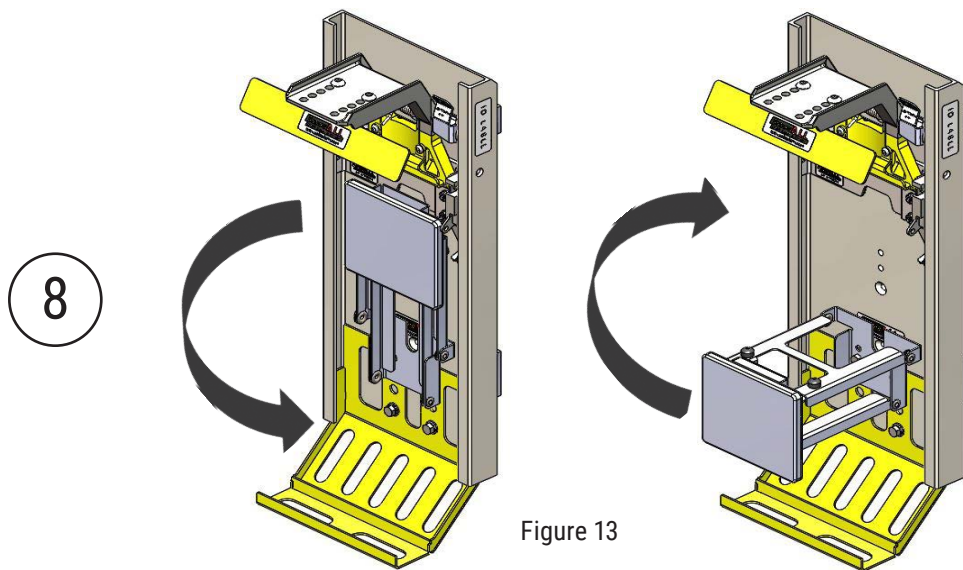


Figure 13

5. CABLE ATTACHMENT AND ADJUSTMENT

The release cable is routed up through the opening in the cylinder support and center guide and is attached to the latch bracket by two nuts tightened around latch bracket. See Figure 14.

- A. Screw and nut attaching cable to latch should spin freely, but screw on thread should fully engage nylon insert in nut. See Figure 14.
- B. To increase release handle sensitivity, use $\frac{7}{16}$ " (11mm) wrench to loosen nut A and tighten nut B.
 - 1. To decrease release handle sensitivity, use $\frac{7}{16}$ " (11mm) wrench to loosen nut B and tighten nut A.
 - 2. For optimum release handle position, adjust the cable length so the latch releases when the handle is near the top 80% of range of motion. See Figure 15.

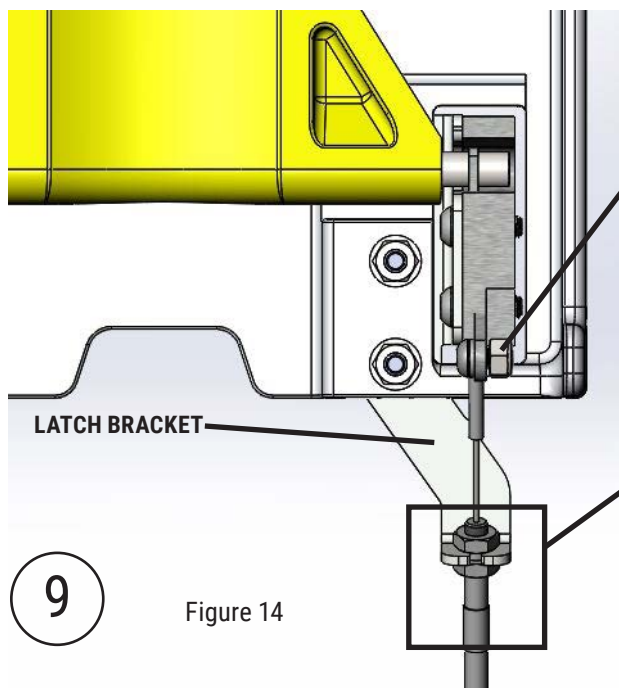


Figure 14

CABLE ATTACHMENT
NUT AND SCREW

NUT A

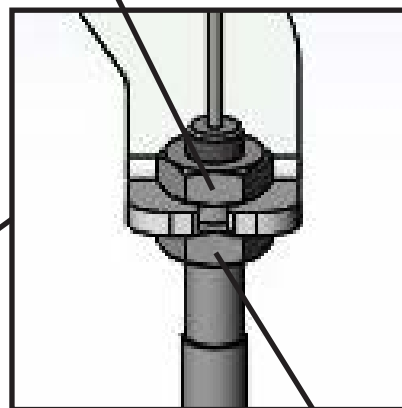


Figure 15

NUT B



SECUREALL® WITH ELECTRIC RELEASE

INSTALLATION

The SecureALL with Electric Release allows the release mechanism to be locked out while the vehicle is in motion.

1. Electrical connection: connect brown wire to chassis ground. Use a 1/4" (6.35mm) male connector on vehicle wire harness.
2. Connect red wire to 8-26 VDC power supply. Use a 1/4" (6.35mm) female connector on vehicle harness. See Figure 16.

The power supply may be controlled using a switch located in the braking system to prevent the electric release from operating when the vehicle is in motion. Electrical components attached to the electric release must have a 1 Amp minimum rating.

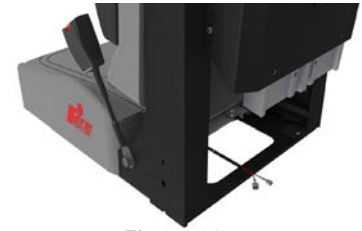


Figure 16

OPERATION

To release: pull upward on release handle located at the front center of the seat cushion to activate the switch which opens the electric release. See Figure 17. Remove BA from SecureALL Locking System. The electric release will take approximately one second to cycle from latched to open position. If BA does not release, verify that the vehicle has the parking brake set.

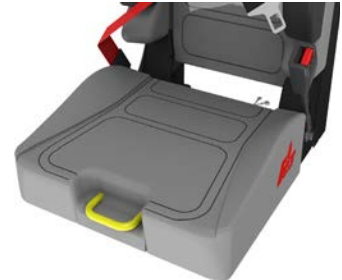


Figure 17

OVERRIDE

In the event of an electrical failure, the BA will not release from the SecureALL Locking System. An override release mechanism is located beneath the latch and may be operated by pressing the red button. See Figure 18. This mechanism is intended for use as a failsafe only; normal operation should use the Front Cushion Release handle.



Figure 18

OPERATING INSTRUCTIONS

1. STORING SCBA

Place SCBA valve into cup with valve against front edge of cup. Place upper end of SCBA cylinder against the pivot arm locking plate and push to engage latch. See Figure 19.

2. TROUBLESHOOTING

If the latch doesn't engage:

- A. Ensure the valve is sitting in the valve cup and not on the edge.
- B. Adjust clamp assembly upward by about 1/8" (3mm).



Figure 19



Figure 20



CAUTION

SecureALL® clamping assembly captures top of SCBA cylinder and has a pinch point. Use caution and avoid potential pinch points when operating clamping assembly.



3. REMOVING SCBA

Pull up on the release handle in the front center of the seat cushion to open the clamp. Remove SCBA. See Figure 21.

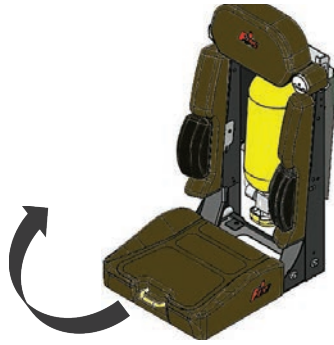
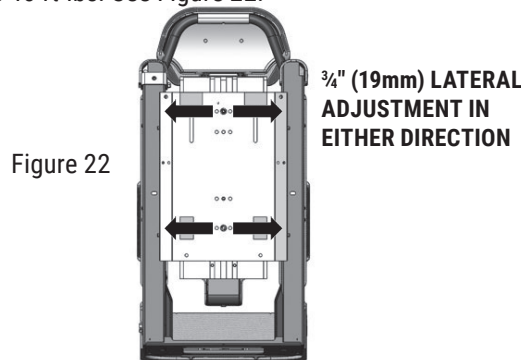


Figure 21

OPTIONAL ADJUSTMENTS

SECUREALL® POSITION

1. H.O. Bostrom FireFighter seats include holes on the rear of the shroud for mounting the SecureALL® offset right or left to improve ingress/egress of the SCBA. To adjust, use ½" (13mm) wrench to remove the two nuts attaching the SecureALL® to shroud. Move SecureALL® right or left and replace the screws. Torque to 15 ft-lbs. See Figure 22.



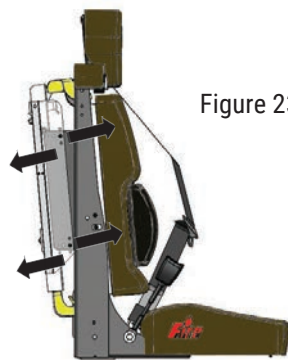
WARNING

The installer is liable for SCBA holder mounting. Failure to properly tighten fasteners could result in serious injury or death due to SCBA bracket coming loose from the seat.

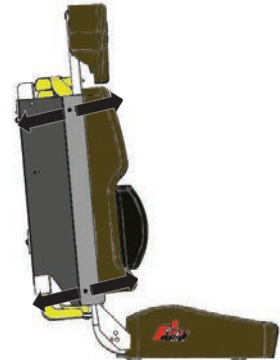
SHROUD POSITION

2. H.O Bostrom FireFighter seats include holes to adjust the back shroud forward or rearward to better accommodate SCBA cylinder sizes. The shroud for an ABTS (All Belts To Seat) seat differs from that of a non-ABTS seat. The shroud is usually assembled in the most compact (forward) position and may be adjusted rearward for larger diameter SCBAs. See Figure 23.

- To adjust, remove the two mounting screws on either side of the shroud.
- Reposition shroud as desired.
- Replace screws and torque to 4 ft-lbs.



SHROUD DEPTH ADJUSTMENT FOR
ABTS SEATS
3/16" (4.5mm) HEX KEY WRENCH AND 7/16"
(11mm) HEX WRENCH



SHROUD DEPTH ADJUSTMENT FOR
NON-ABTS SEATS
#3 PHILLIPS SCREWDRIVER (SCREW
HEADS CONCEALED BY BLACK
PLASTIC CAPS)



WARNING

The installer is liable for shroud mounting. Failure to properly tighten fasteners could result in serious injury or death due to shroud coming loose from the seat.



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SECUREALL® SERVICE KITS

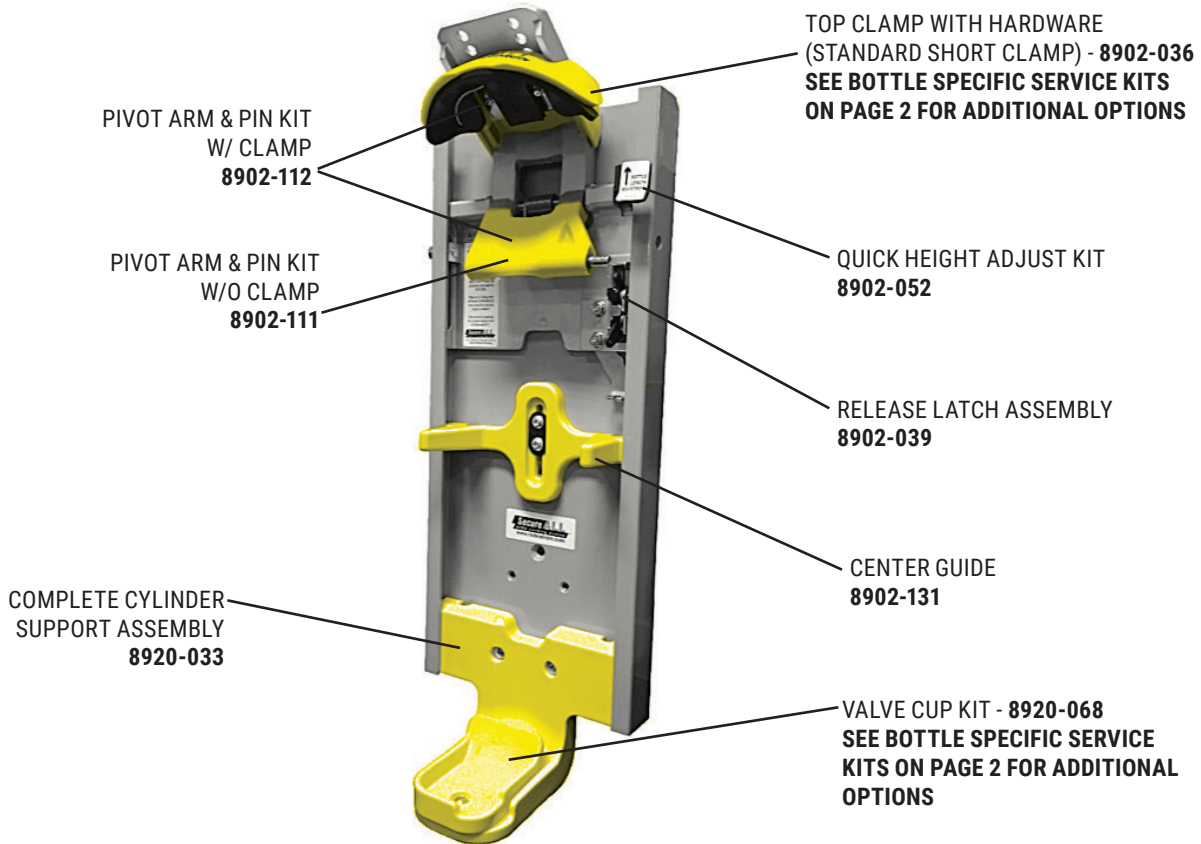


Figure 24

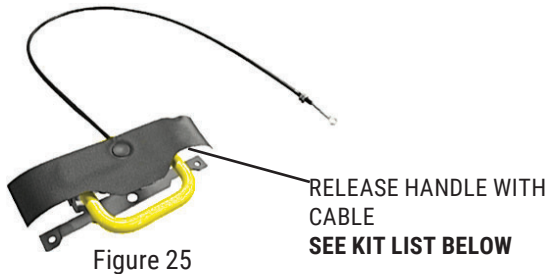


Figure 25

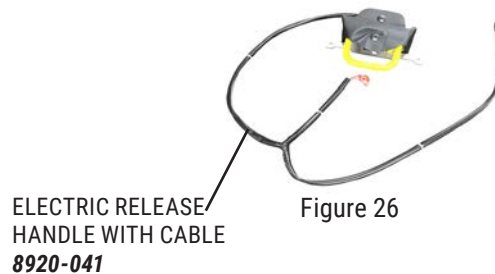


Figure 26

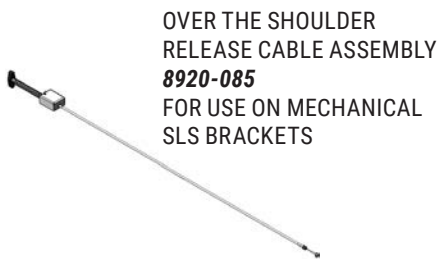


Figure 27

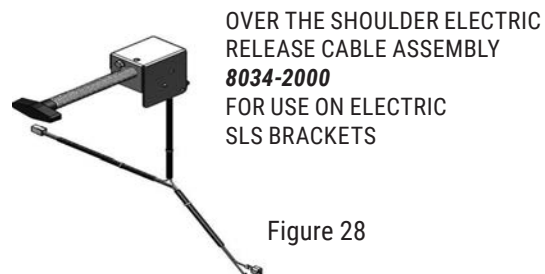


Figure 28

RELEASE HANDLE KITS

8920-034: 45" long release handle assembly (fixed seats)

8902-035: 49" long release handle assembly with long cable kit (fixed seats)

Note: Release handles for flip up cushions require complete new cushion.

ADDITIONAL SecureALL® KITS

8920-035: SecureALL® Bracket without release handle or cushion

8920-043: SecureALL® Bracket with release handle, no cushion

8920-037: SecureALL® wall mount



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BOTTLE SPECIFIC SERVICE KITS

The SecureALL® can be retrofitted to fit cylinder valves of varying size and shape. See examples below.

MSA G1 Valve uses 8920-079 Valve Cup Kit



Figure 29

MSA M7 Valve uses 8920-076 Valve Cup Kit

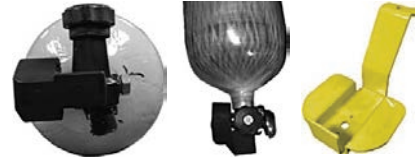


Figure 30

Diamond-Shaped Valve uses 8920-080 Valve Cup Kit



Figure 31

High Pressure Composite Cylinder Kit 8902-090



Figure 32

USE WITH THE FOLLOWING SCOTT CYLINDERS:
4500psi 30min | 5500psi 30min | 5500psi 45 min

8902-065 Long Clamp Kit



Figure 33

Use with 2216 PSI Flat Top and Aluminum Bottles

8902-265 Anti-Entanglement Clamp Kit



Figure 34

Use with bottle with anti-entanglement strap

8902-066 Twin Cylinder Top Clamp Kit



Figure 35

Use with twin pack Bottles

INTERSPIRO TWIN SCBA ADJUSTMENT KIT 8920-038

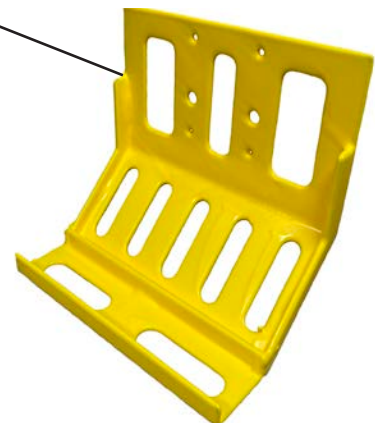


Figure 36

Draeger Diamond-Shaped Valve uses Bottom Fork Kit 8902-075

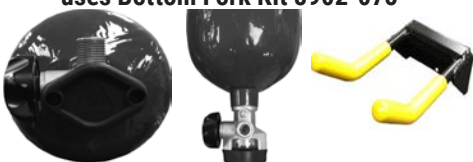


Figure 37



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Figure 38

ELECTRIC LATCH RELEASE KITS
8900-023 RELEASE LATCH SERVICE KIT
8900-047 ELECTRIC RELEASE CONVERSION KIT
8920-082 ELECTRIC RELEASE KIT W/O SHROUD



Figure 39

SPRING AND SPACER KIT FOR
 FOLD AND HOLD SEATS
8902-146

ADDITIONAL OPTIONS



Figure 40

SECUREALL® Retrofit Kit

- Fits on all H.O. Bostrom ABTS and non-ABTS SCBA seats
- Can be retrofitted into other seating brands
- Stores most U.S. and International SCBA brands and sizes



Figure 41

SECUREALL® Wall Mount

- Safely stores SCBA inside cab or compartment
- Mounts vertically or horizontally



Figure 42

RestStop Backpad

- Adds back support when no SCBA is stored
- Folds back and out of the way when SCBA is stored
- Only available with SecureAll SCBA Locking System

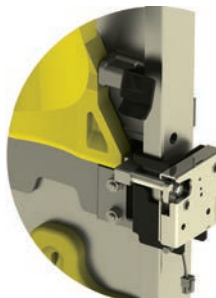


Figure 43

SECUREALL® Electric Lockout

- Prevents SCBA removal until electric lock releases
- Can be released by parking brake



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