

# WALKAWAY® SPRING CLIP BRACKETS

The ORIGINAL Spring Clip Bracket - Accept No Imitations!



A WALKAWAY Bracket is comprised of one (1) backplate, two (2) spring clips, and one (1) footplate, with the exception of our SC-50 models, which feature one (1) spring clip and one (1) seat.

Models CRS (Collision Restraint Strap), PHS (Positive Holding Strap), and TDS (Tie-down Strap) may be added for additional cylinder security.

**Per NFPA Regulations, these brackets may only be used in non-crew compartment areas/the station unless the apparatus was manufactured prior to 2003.**

## **BUILDING A BRACKET THAT'S RIGHT FOR YOU**

### **Brackets ship in two configurations:**

*Assembled* - Bracket is assembled at the factory for immediate mounting. clips are affixed to the backplate to fit the specified SCBA cylinder and footplate is bolted to the backplate in the position required for your SCBA.

*Knock-down (Unassembled)* - Bracket requires assembly in the field. All hardware for assembly is included. Requires a few minutes with a Torx-head screwdriver and a 7/16" wrench. The more economical option.

### **Coating Material:**

All bracket components are coated with a specially-formulated black thermoplastic. This durable, crack/peel-resistant coating protects the bracket from rust, prevents wear damage to the air cylinder, and provides a slippery finish for easier cylinder removal.

*UN Models* - Designed for low to moderate use, these clips feature the standard black thermoplastic coating only.



*UH Models* - Our most popular coating. For moderate to high use. Features standard black thermoplastic coating with a second yellow, non-mar double coating on the clip tips for added wear durability and cylinder protection.



*FH Models* - Used by major cities across the globe. Designed for constant use. Features standard black thermoplastic coating with a second yellow, non-mar double coating over the entire clip for maximum durability and cylinder protection through repeated stowing/removal cycles.



## Clip Size:

Three sizes of hardened steel spring clips are available. Clips are engineered with unique rounded ends to provide a smooth bearing surface and prevent gouging or marring of cylinder.

(letters designate coating, N=Standard, H=High Cycle, FH=Full High Cycle)

N-5, H-5, FH-5: Ideal for 5.4" to 5.8" diameter/15-30 min. cylinders.

N-6, H-6, FH-6: Ideal for 6.75" diameter/30-45 min. cylinders.

N-7, H-7, FH-7: Ideal for 7.25" diameter/60 min. cylinders.

*Low Profile (Models LP-5, LP-6, FHLP-5, FHLP-6):* 1" shorter than our standard clips so as not to interfere with harness assemblies or hoses. Available with both high cycle and full high cycle coatings.

*SC-50:* Designed for use with 5500 PSI air packs and cylinders. Features one (1) UH clip and one (1) high cycle-coated seat to allow for adequate clearance around the harness and hoses.

## Footplates:

*NSF:* The standard footplate provided. Ideal for 30 and 45 min. cylinders.

*NEF:* An optional footplate for use with 60-minute cylinders.

*NAF:* An optional footplate, angled for use with QUIC-SWING SCBA holders. Angle allows footplate to clear lip of compartment when mounted in a high-side compartment.

## Straps:

*Note:* Straps are additional security to cylinders stored in side compartments. Straps are not compliant for use inside the crew cab.

*Tie-down Strap (TDS):* The most economical option available. Measures 34.5" long.

*Positive Holding Strap (PHS):* A two-point strap. Recommended for use with cylinders stored in the side compartment.

*Collision Restraint Strap (CRS):* Has been third party-tested to meet the 9G standard. In apparatus manufactured prior to 2003, a bracket may be used with a CRS to comply with NFPA requirements.

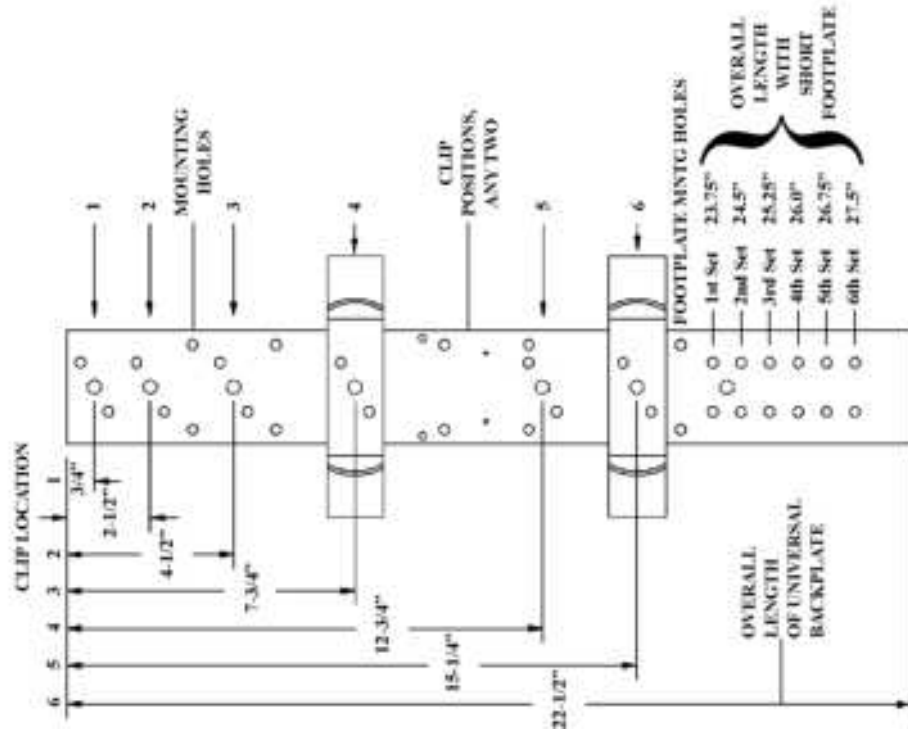
## Bracket Support:

An optional extruded aluminum support. With some models of seat the WALKAWAY bracket may only be mounted to two thin, metal support straps running between the side cushions. Zico recommends the use of the BPS in these situations, to prevent accidental bending/deflecting of backplate when cylinder is removed.



MODEL NO.	PART NO.	DESCRIPTION	WT./@ IN LBS.
UN	1010-010-000	Universal Backplate	2.4
NSF	1010-030-000	Footplate - Short	1.0
NEF	1010-031-000	Footplate - Long	.9
NAF	1010-040-000	Footplate - Angle	.8
PHS	1010-116-105	Positive Holding Strap	.4
TDS	1010-110-000	Tie Down Strap	.3
BPS	1010-050-105	Backplate Support	1.5
CRS	1010-120-000	Collision Restraint Strap	.9
CRS-180	1010-122-000	CRS for Bostrom Seat	.1
CRS-185	1010-124-000	CRS for Seats, Inc. Seat	.1

# Ordering a New WALKAWAY Bracket



Specify in following order:

- |    |                    |           |  |
|----|--------------------|-----------|--|
| 1. | Style              | - UN      | Standard bracket                           |
|    |                    | - UH      | Standard bracket w/high cycle clips        |
|    |                    | - KD-UN   | Knock down bracket                         |
|    |                    | - KD-UH   | Knock down bracket w/high cycle clips      |
|    |                    | - KD-FH   | Knock down bracket w/full high cycle clips |
|    |                    | - SC-50-H | 5500 PSI bracket w/high cycle clips        |
| 2. | Cylinder Diameter  |           |  |
|    |                    | 5         | 5.4" to 5.8" diameter                      |
|    |                    | 6         | 6.25" diameter                             |
|    |                    | 7         | 7.25" diameter                             |
| 3. | Minutes Duration** |           |  |
|    |                    | 30        | 30 or 45 minute                            |
|    |                    | 60        | 60 minute                                  |
| 4. | Clip Location      |           |  |
|    |                    | 1         |  |
|    |                    | 2         |  |
|    |                    | 3         |  |
|    |                    | 4         |  |
|    |                    | 5         |  |
|    |                    | 6         |  |
| 5. | Footplate          |           |  |
|    |                    | SF        | Short                                      |
|    |                    | AF        | Angle                                      |
|    |                    | LF        | Long                                       |
| 6. | Strap              | - *CRS    | Collision restraint                        |
|    |                    | - *CRS/RA | Collision restraint with release assist    |
|    |                    | - PHS     | Positive holding                           |
|    |                    | - *TDS    | Tie-down                                   |

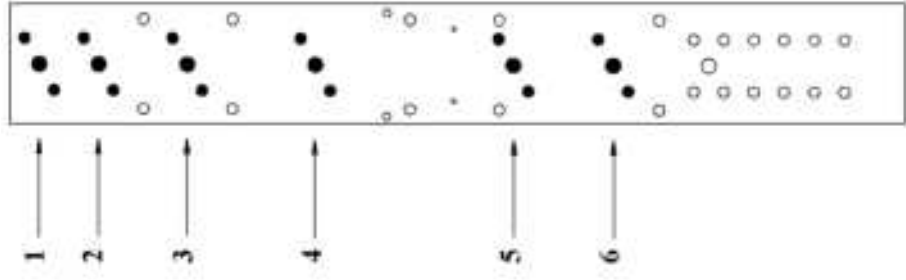
**\*NOTE:** Order separately. Does not come attached to bracket.

**\*\*NOTE:** Does not have to be specified on SC-50-H bracket.

UN-6-30-4-SF-PHS

**(EXAMPLE)**

# Replacing Spring Clips



Spring clips should be replaced on the WALKAWAY® bracket when:

- 1. Replacing your current SCBA cylinder with either a smaller or larger diameter air cylinder.
- 2. When the protective coating on clips has worn through to bare steel.

On Knock-down brackets you simply unbolt the clips and replace them with new ones. Instructions are provided with brackets when converting bracket to SC-50 style.

With assembled brackets, follow these simple steps:

- 1. Remove WALKAWAY bracket from its mounting surface.
- 2. Remove existing spring clips.
- 3. With a sharp knife score coating between clip and backplate.
- 4. To prevent rusting, paint all bare metal surfaces with Krylon or other fast drying acrylic paint.
- 5. Attach new clips with hardware that is provided.

**Spring clip locations are noted on the drawing at left.** The bottom clip is always placed at location 6, except on SC-50 bracket, where the bottom clip will be in position 5. Top clip should be placed according to the recommended location as indicated on page 4.

STANDARD		
CYLINDER DIAMETER	MODEL NUMBER	PART NUMBER
5.3" to 5.6"	N-5	1050-100-000
6.7" to 6.9"	N-6	1060-100-000
7.1" to 7.4"	N-7	1070-100-000

HIGH CYCLE	
MODEL NUMBER	PART NUMBER
H-5	1052-100-000
H-6	1062-100-000
H-7	1072-100-000

FULL HIGH CYCLE	
MODEL NUMBER	PART NUMBER
FH-5	1053-100-000
FH-6	1063-100-000
FH-7	1073-100-000

# Knock-Down Bracket Parts & Assembly Instructions

There's a KD WALKAWAY bracket kit to fit the SCBA you are now using or intend to use. Choose the spring clips and footplate compatible with your Self Contained Breathing Apparatus from the following list.

## **KD bracket kit contains the following: (component items are shown on pages 1-2)**

1. Model UN - Universal backplate
2. Spring Clips - Two per model of your choice:
  - a. N-5, H-5, or FH-5
  - b. N-6, H-6, or FH-6
  - c. N-7, H-7, or FH-7
3. Footplate - One per model of your choice (not required if valve assembly or end of cylinder will rest on a flat surface)
  - a. NSF black nylon coated short footplate
  - b. NAF black nylon coated angular footplate - used primarily with QUIC-SWING® unit
  - c. NEF black nylon coated long footplate
4. Hold Down Strap - One per model of your choice (optional - holds straps and regulator securely against cylinder)
  - a. CRS collision restraint strap
  - b. PHS positive holding strap
  - c. TDS tie down strap

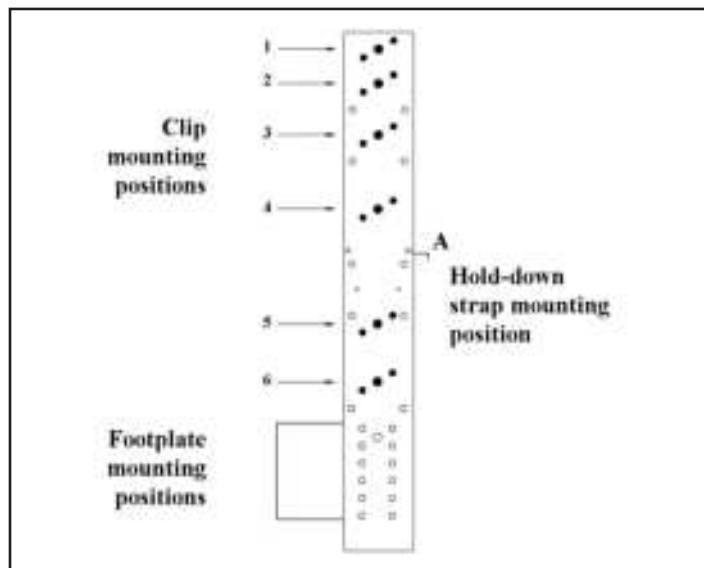
5. Fastening screws and lock-nut for attaching spring clips and footplate to universal backplate.

## **Assembly instructions:**

1. Lay the self-contained breathing apparatus (SCBA) unit on a flat surface, floor or table.
2. Lay universal backplate along side of SCBA with six sets of parallel holes at same end as valve assembly on SCBA.
  - If mounting cylinder in inverted position, end of cylinder will be located at same end as parallel holes.
3. Place one spring clip at location "6" (see drawing).
4. Place footplate on universal backplate.

**NOTE:** Short footplate may have to be inverted for some types of SCBA.

- a. Valve assembly should be placed next to footplate; valve will rest upon footplate on final assembly.
- b. Adjust SCBA cylinder so that cylinder will rest fully within the spring clip at location "6".



5. Second clip can now be placed at locations "1", "2", "3" or "4" (see drawing).

- a. Clip should not interfere with harness assembly on SCBA unit.
- b. Clip should fully grasp cylinder.

6. Now that the proper clip mounting locations have been selected, proceed with assembly:

- a. Place flat head screws through backplate (from counter-sunk side).
- b. Place spring clips and footplate over screws.
- c. Start nuts onto screws.
- d. Tighten with 7/16" wrench and Torx head screw driver.
- e. Make sure that screws and nuts do not come into contact with air cylinder.

**NOTE:** Clips are designed for 7/16" clearance between base of clip and the air cylinder.

7. Securing optional Positive Holding Strap onto universal backplate.

- a. Lay two male tubular rivets on firm flat surface.
- b. Insert male rivet through hole in clip and dee. Strap will be behind bracket.
- c. Place rivets through hole set "A" of backplate (see drawing top of page 5).
- d. Place female rivets onto male rivets.
- e. Strike each sharply with hammer to attach firmly, making sure strap is not under clip and dee to prevent damage to webbing.

8. To mount completed WALKAWAY bracket to mounting surface, see instructions on pages 6, 7 or 8.

# Mounting Instructions - Compartments, Station Walls, or any other flat, stable surface

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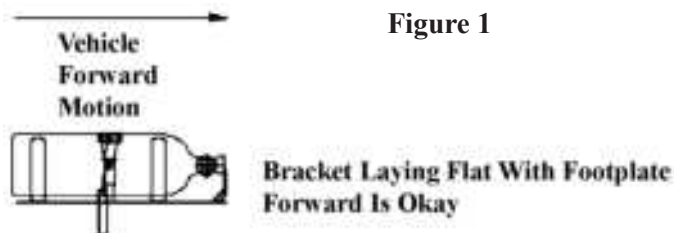
1. Place SCBA into WALKAWAY bracket by snapping cylinder into spring clips. Valve must rest on footplate of bracket.
2. Select mounting location - wall, post, etc. Place bracket against mounting location and have someone draw outline of bracket. This outline will be used a guide for final mounting.
3. Take off bracket and remove cylinder. Using the bracket as a template, place it over the previously drawn outline and mark any 2 holes. See page 4 for hole locations.
  - a. A minimum of two 5/16" round head machine screws, nuts and lockwashers should be used for mounting. If bracket will be mounted on wooden beam, two 5/16" lag bolts and lockwashers or #14 wood screws and lockwashers should be used. See drawing and mounting hardware top of page 7.
  - b. Mount bracket securely.

4. Place optional Positive Holding Strap around cylinder and backplate of apparatus and fasten quick release buckle. Buckle should be located to the side of air cylinder. Pull free end of strap tight.
5. The WALKAWAY bracket is now ready to hold the breathing apparatus for instant access.

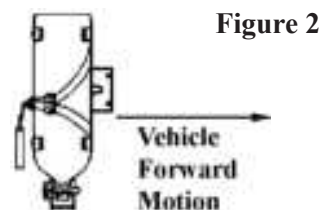
**To protect your SCBA from dust, tampering or contaminants ask about the ZICO QUIC-PAC® Holders and QUIC-ACCESS® Wall Cabinets.**

**NOTE:** When SCBA is mounted outside of the crew area, it is not subject to the NFPA crew compartment requirement. However, we recommend the following:

**Figure 1.** Footplate should be mounted at the end towards which force is exerted when mounted on a flat surface.



**Figure 2.** When the bracket is mounted vertically, the strap latch should be on the side from which the force is applied.





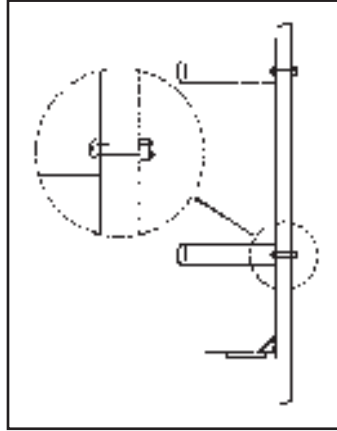
# Mounting Instructions - Apparatus Crew Compartments

**NOTE:** Per NFPA regulations these brackets may only be used in non-crew compartment areas unless the apparatus was manufactured prior to 2003.

## Mounting in crew area:

When mounting SCBA brackets in the crew area, the model CRS Collision Restraint Strap should be used with the bracket. The bracket with the CRS are designed to withstand a dynamic deceleration of ten (10) gravitational forces for a duration of ten (10) milliseconds.

The surface to which the bracket is mounted should also be capable of withstanding a static force of ten (10) times the weight of the SCBA and bracket. If the bracket is mounted in a jump seat, then the seat assembly should also be capable of withstanding this same static force of ten (10) times the weight of the SCBA and bracket.

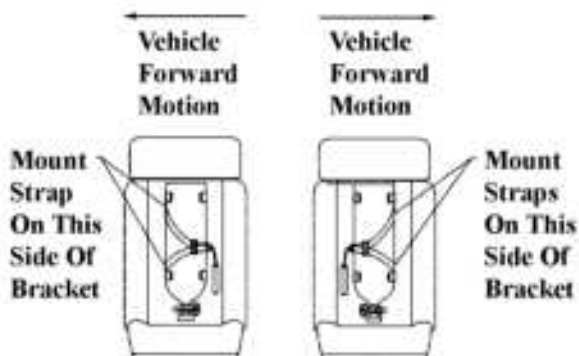
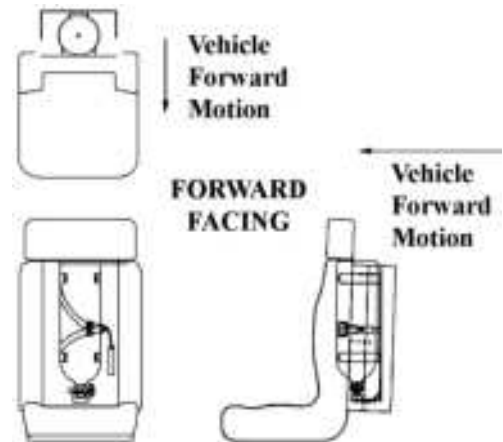


## Mounting hardware:

The bracket should be mounted using two (2) 5/16-18 round head screws, nuts and lock washers (not provided). Refer to page 4 which shows the clip locations on the bracket. The center hole, at each clip location, is made for a 5/16" screw. We suggest the top screw be placed in clip location 1, 2 or 3. The bottom screw should be at clip locations 4 or 5. All mounting bolts and fasteners should be placed with the head in contact with the bracket and the screw portion passing through the bracket and supporting member. Nut and washer should be on the back side of the supporting member.

## Forward or rear facing seats:

The angle between the back of the bracket and the mounting surface for the seat should be 90°. If the angle is less than 90° in rear facing seats, a "stop" may be required at the top of the bracket to prevent the air cylinder from being ejected in the event of a collision. This stop could be a model NSF short footplate bolted to the top of the bracket or a metal device attached to the top of the pan holding the SCBA.



## Side facing seats:

When the bracket is mounted so that the passenger's side faces towards the front or rear of the apparatus, the strap latch mechanism must be mounted on the side from which the force is coming.

# Mounting Instructions - Inverted

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Used primarily in "CAMPBELL" style high side compartments on fire apparatus.

Read mounting instructions carefully before proceeding.

1. Place WALKAWAY bracket in SCBA compartment so that the base of the bracket rests on the floor of compartment or shelf.
2. Put SCBA unit beside bracket with end of cylinder also resting on floor or compartment or shelf.
  - a. Footplate (model "SF") is not required for inverted storage if compartment floor or shelf is of firm construction. Lower end of backplate may have to be cut off to reduce overall length.
  - b. Our Neoprene Mounting Disc, 1" high (model "CME"), may be used under end of cylinder to prevent abrasions to cylinder end...or you could use a piece of carpeting or any soft material for the cushioning effect.
3. With bracket and SCBA side by side, make sure that both spring clips will be in position to firmly grasp cylinder.
  - a. Base of universal backplate might have to be raised or cut off so that SCBA will fit correctly into bracket.
  - b. Take care that the spring clips do not wrap around or come into contact with SCBA harness assembly.
  - c. Now, with a grease pencil or marker, outline bracket on mounting location.

4. If more than one Self Contained Breathing Apparatus is to be stored in compartment, allow 1" or 2" between SCBA's.

- If our Mask Holders (model "MH-YV") are to be used, allow 9" between SCBA's.

**NOTE:** Make sure that water tank, hose, or other obstructions do not exist behind mounting surface.

5. With all calculations and allowances made, you are now ready to mount the brackets.

6. Place bracket over outline previously made.
  - a. Mark any two mounting holes located down center of bracket - seven 5/16" holes have been provided for your convenience and choice.
  - b. Remove bracket and drill the two holes (5/16") just marked. If sheet metal or wood screws are to be used for mounting, use a 1/4" drill.
  - c. Fasten bracket to mounting surfaces. Screws are not supplied due to various metals or fiberglass surfaces used on today's apparatus.

**NOTE:** Be sure that cylinder does not come into contact with head of bolt. See drawing and mounting information top of page 7.

7. With bracket securely mounted, you can now snap the SCBA into the WALKAWAY bracket--ready to be used at a moment's notice.

**If you have additional questions or are uncertain about mounting your ZICO bracket, call 1-800-711-3473 for assistance.**



*Ziamatic Corp.*

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