

HLAS HARD SLEEVE KIT FOR 1 OR 2 HARD SLEEVES

MODELS: HLAS-HS-1KIT OR HLAS-HS-2KIT

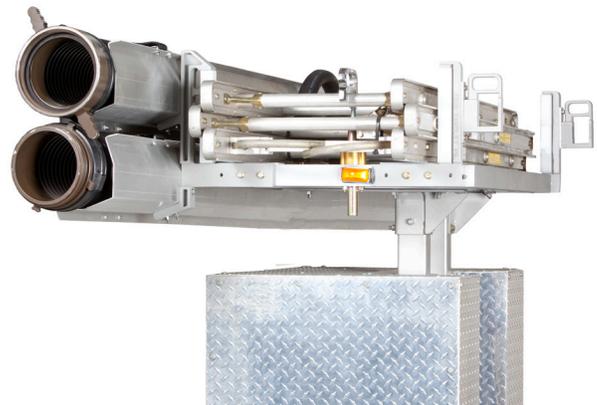
PARTS AND INSTRUCTION MANUAL



For use with Horizontal Ladder Access (HLAS), Horizontal Portable Tank (HPTS), and Horizontal Hard Sleeve (HHSS) systems.

Safely store one or two 10' hard sleeves over top of the apparatus, attached to the system rack.

Note: When using this kit above a hose bed, clearance must be left between the top row of hose and the underside of the hard sleeve trays.



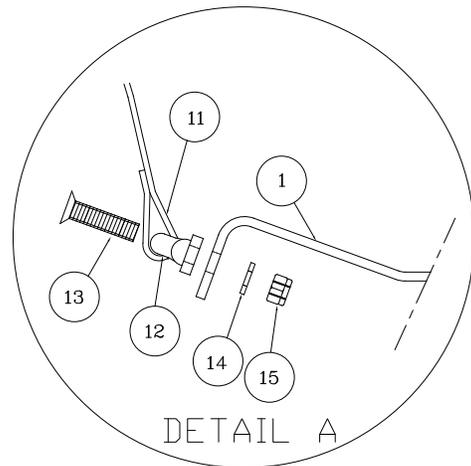
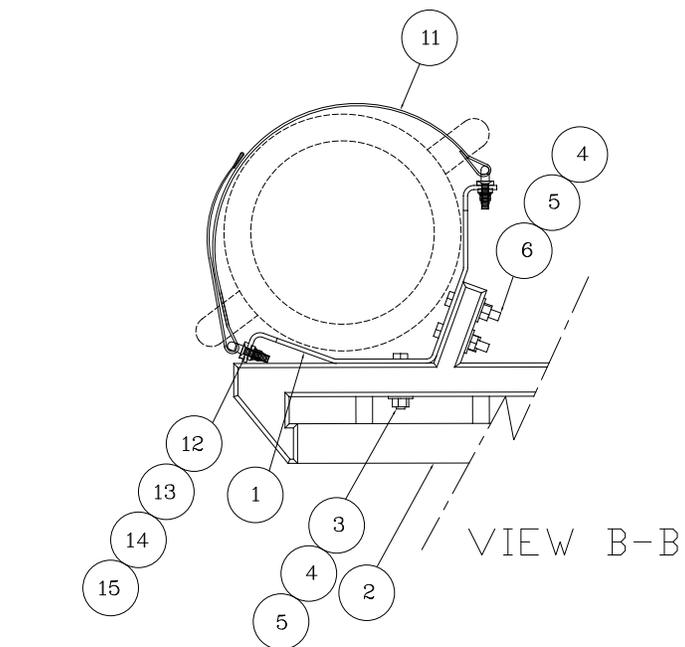
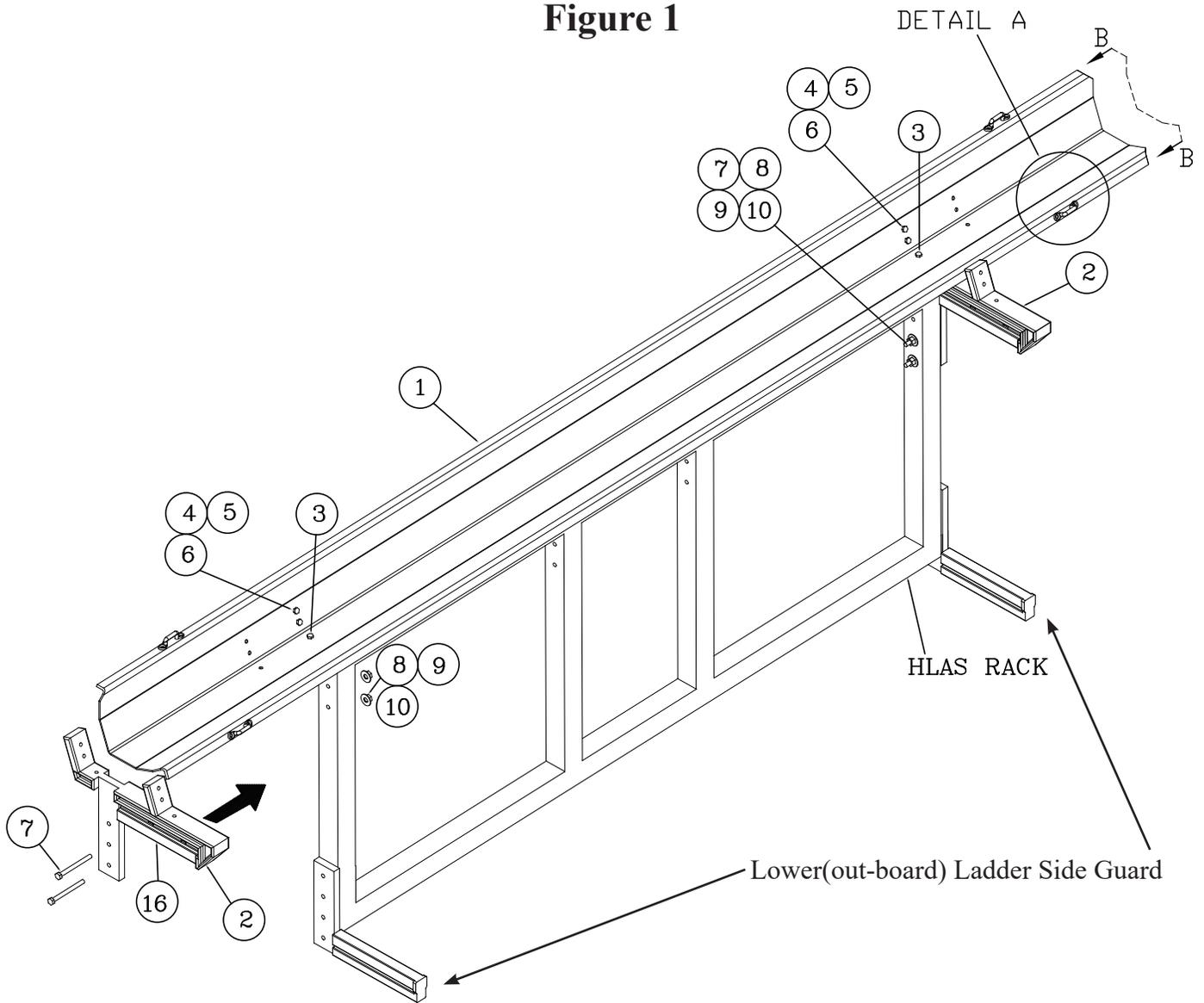
Installation

Deploy your system and remove the ladders.

You will need access to the upper(in-board) ladder side guards.

- Remove the two 5/16" x 3 1/2" hex bolts securing the upper(in-board) side guards to the rack. Repeat on the other side. New hardware is supplied with the new brackets.
- Attached the Hose tray brackets(2) to the rack using the 5/16 x 3 1/2" hex screws(7) with washers(8,10) and nuts(9). Confirm there is proper space for the ladders to rest fully on the rack as before.
- Attach the tray(1) to the brackets(7) using the inner set of holes. Secure with 1/4" dia. screws(6, 3) with washers(4) and nuts(5).
- Attach the footman's loops to the tray as shown in Fig. 1, detail A. The sewn loop of the strap will be threaded onto the upper footman's loop. Fig 1, view B-B

Figure 1



Item No.	Part#	Description	Qty. 1KIT	Qty. 2KIT
1	3097-511-107	Tray, Hard Suction, HLAS	1	2
2	3097-511-105	Hose Tray Bracket, HLAS	2	2
3	9110-222524	Screw, 1/4-20 x 1 1/2" Hex Head, S/S	2	4
4	9114-112500	Washer ,1/4" Flat, S/S	6	12
5	9113-172500	Nut , 1/4-20, Nylon Locking, S/S	6	12
6	9110-222520	Screw,1/4-20 x 1 1/4" Hex Head, S/S	4	8
7	9018-103156	Screw, 5/16-18 x 3 1/2" Hex Head, Gr8, ZSP	4	4
8	9014-133100	Washer, 5/16", Xtra Thick, ZPS	4	4
9	9012-133100	Hex Nut, 5/16-18, ZPS	4	4
10	9014-203100	Washer, 5/16" Lockin, ZPS	4	4
11	3099-850-105	Strap, SAHS-VS25-10	2	4
12	3099-000-013	2" Footman's Loop (Model: CPFL000003)	4	8
13	9110-162010	Screw, 10-32 x 5/8" FH Phillips, S/S	8	16
14	9114-111900	Washer, #10, Flat, S/S	8	16
15	9113-172000	Nut, 10-32, Nylon Locking, S/S	8	16
16	3097-500-421	Wear Sleeve, UHMW	2	2

PERIODICAL MAINTENANCE:

- Inspect straps for excessive wear or fraying.
- Tighten any loose hardware.

Securing you Hardsleeve:

Place the hard sleeve on the tray and secure it by feeding the loose end of the strap through the bottom footman's loop. See Figure 1, view B-B

Notes



Ziamatic Corp.

10 West College Avenue, P.O. Box 337, Yardley, PA 19067-0587 • (215) 493-3618 • FAX: (215) 493-1401

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