

Proprietary Technical Data



47MLB SEATS MANUAL INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

STIDD Systems, Inc.

220 Carpenter Street • P.O. Box 87 • Greenport, NY 11944 • Tel: 631-477-2400 • Fax: 631-477-1095

Made in U.S.A.

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SERIES 500

**USCG 500-201
ENCLOSED BRIDGE SEAT**



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STIDD Systems, INC. SERIES 500 MARINE SEATS

SUGGESTED INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

A NOTE TO OUR VALUED CUSTOMERS: In a continuing effort to reduce shipping costs for our Customers, all Series 500 seats are now packaged in smaller cartons for shipment via United Parcel Service (UPS). As a result, the Footrest Assembly must be bolted on and the Installer must attach the two Backrest Lock Handles. To make these additional setup procedures quick and easy, STIDD Systems has provided hardware that will reduce installation steps and time. If you should experience any difficulty during installation, please call 631-477-2400, ext. 135 for assistance. We at STIDD Systems regret any inconvenience, which may result from this change in packaging, but trust that the resulting savings in shipping costs and improved condition on arrival will easily compensate for a few moments of inconvenience. Thank you.

1. Inspect Contents:

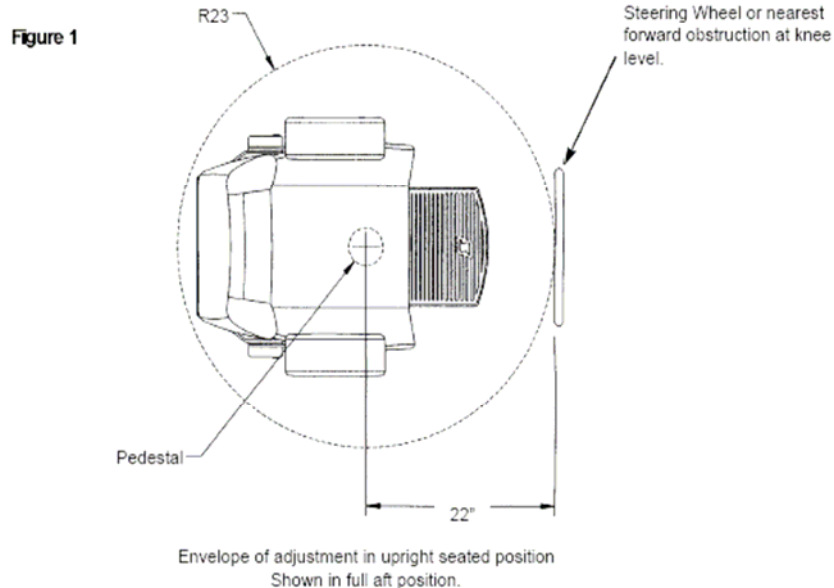
Carefully remove the packaging materials from the Seat. DO NOT USE A KNIFE...DAMAGE TO THE SEAT COULD RESULT. Your Seat is packed to withstand the rigors of normal shipment. Damage incurred in shipment must be reported immediately to the carrier, and original packaging materials must be saved for inspection for evidence of damage in transit.

<u>Description:</u>	<u>Qty:</u>	<u>Used In:</u>
Seat Assembly	1	
Pedestal Assembly	1	
Footrest Assembly	1	
Hardware Packet (includes:)	1	
5/16"-18 x 3/4" SS Flat Head Socket Head Screws	4	Footrest Installation
5/16" Stainless Steel Flat Washers	4	Footrest Installation
5/16"-18 SS Locknut	4	Footrest Installation
Backrest Lock Handle Assembly	2	Backrest Installation
Backrest Gas Spring	2	Backrest Installation
5/16"-18 x 2" SS Socket Head Screw	1	Seat Assembly (anti-removal bolt)
5/16" Stainless Steel Flat Washer	1	Seat Assembly (anti-removal bolt)
5/16"-18 x 7/8" SS Flat Head Socket Screws	8	Pedestal Installation
5/16" White Nylon Washers	8	Pedestal Installation
"Tef-gel" Anti-Seize Compound	1	Pedestal Installation
Isolation Gasket	1	Pedestal Installation

NOTE: All references to "Left" and "Right" are determined from the seated occupant's perspective!

2. Placement Planning:

See [Figure 1](#) for the envelope of adjustment in the upright and seated position. The center of the deck plate is normally mounted 22" aft of the nearest knee obstruction, i.e., steering wheel, bulkhead.



3. Attach Pedestal:

DO NOT open pedestal vertical height clamp or pull PDM handle until seat is mounted on pedestal. Place Isolation Gasket between Pedestal and mounting surface. Secure the pedestal to the deck. Orient the PDM Handle forward of seat. See Figure 2. NOTE: It is possible that the pedestal is to be mounted directly to the deck. This would be a decision made by the boat builder and/or the U.S. Coast Guard. If deck plate is not used or installed, use appropriate hardware to secure pedestal. If deck plate has been supplied and is installed on the deck, use eight 5/16"- 18 x 7/8" SS Flat Head Socket Screws and eight nylon washers. Apply Tef-Gel to screws before securing to deck plate.

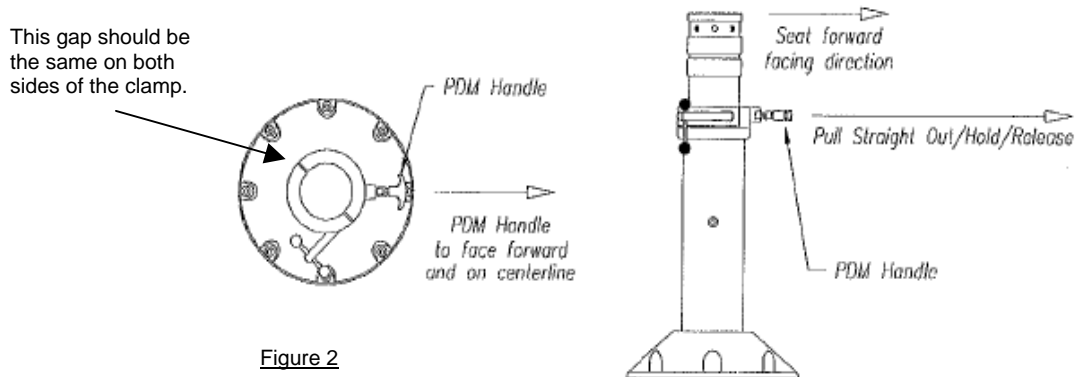


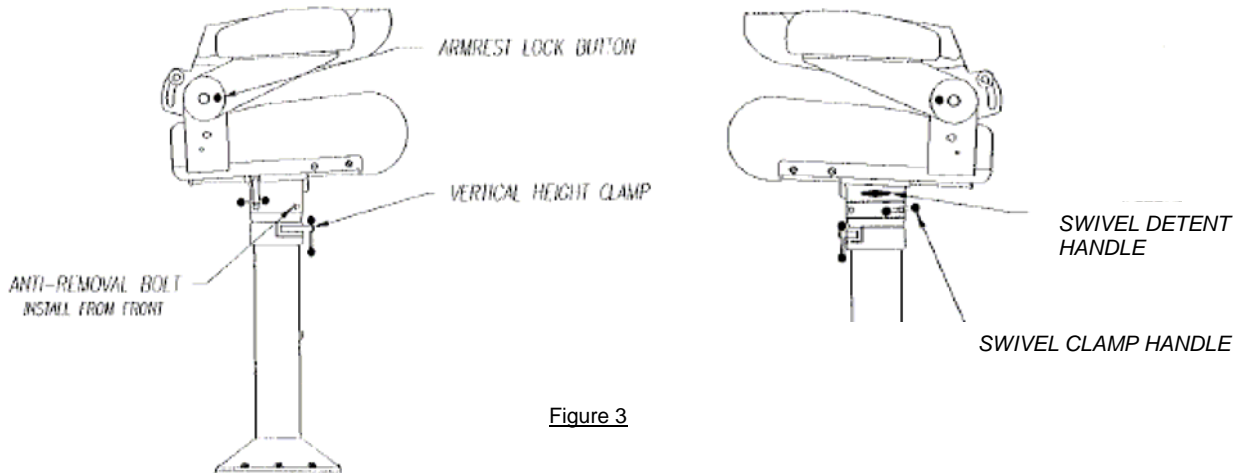
Figure 2

3a. Notes on PDM and Pedestal Height Adjustment Clamp:

The PDM or Pedestal Detent Mechanism was designed to work in conjunction with the pedestal height adjustment clamp NOT in place of it. Failure to securely tighten the Vertical Height clamp may result in damage to the pedestal detent mechanism. Do Not lubricate the pedestal; doing so may interfere with clamping effectiveness. Also, the gap between the pedestal and clamp should be even on both sides of the clamp.

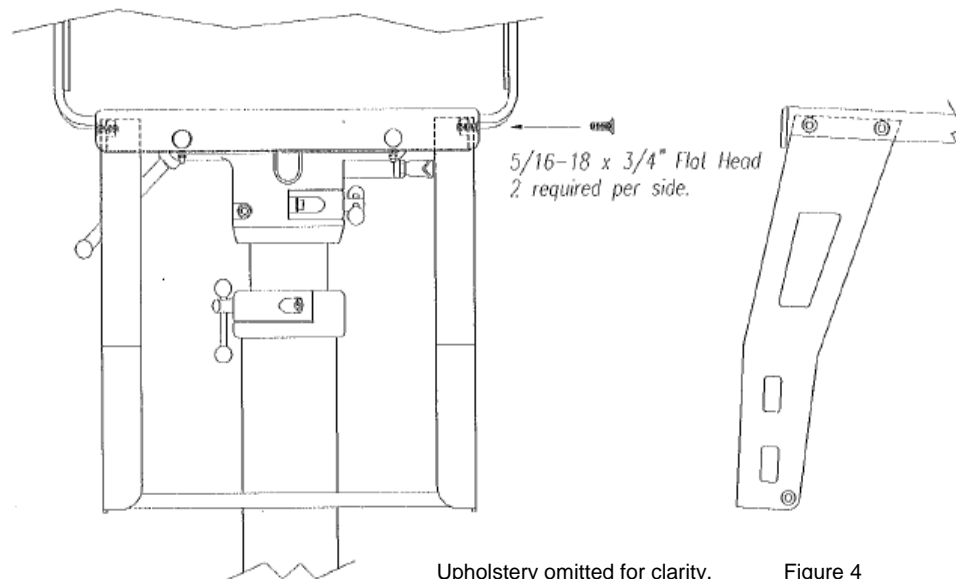
4. Install Seat:

- Place Seat Assembly onto the pedestal at this time, pulling the swivel detent handle under the seat pan to allow the pedestal to fully seat. Rotate the seat (in either direction 45 degrees) until the swivel detent pin locks into an index hole.
- Apply a small amount of Tef-Gel to the anti-removal bolt (5/16"-18 x 2" SS Socket Head Screw), insert and tighten it on the Slide Casting.
- Tighten Swivel Clamp. Note: The gap between both sides of the clamp and the casting must be the same.



5. Install Footrest Assembly:

- The Footrest is separated from the Footrest Hanger Assembly for shipping.
- Using the four 5/16"-18 x 3/4" SS Flat Head Socket Head Screws, washers and locknuts, install the Footrest Hanger Assembly as illustrated in Figure 4.
- Install Footrest by pulling the black knobs towards each other and release when aligned with the opposing rectangular slots (upper or lower) in sides of Footrest Hanger Assembly (Figure 6).



6. Install Backrest Hardware: (refer to Figure 5)

- Rotate the backrest up into position and insure the friction-washers are attached are attached to the seat side supports.
- Slide the backrest lock bolt through the seat side support and backrest washer.
- Place the backrest lock spacer onto the bolt and thread the backrest lock handle on.

7. Install Backrest Gas Springs: (refer to Figure 5)

- Rotate the backrest up to the upright position.
- Install the two gas springs (SHAFT END FACING DOWN) by pushing the end clips onto the ball studs.

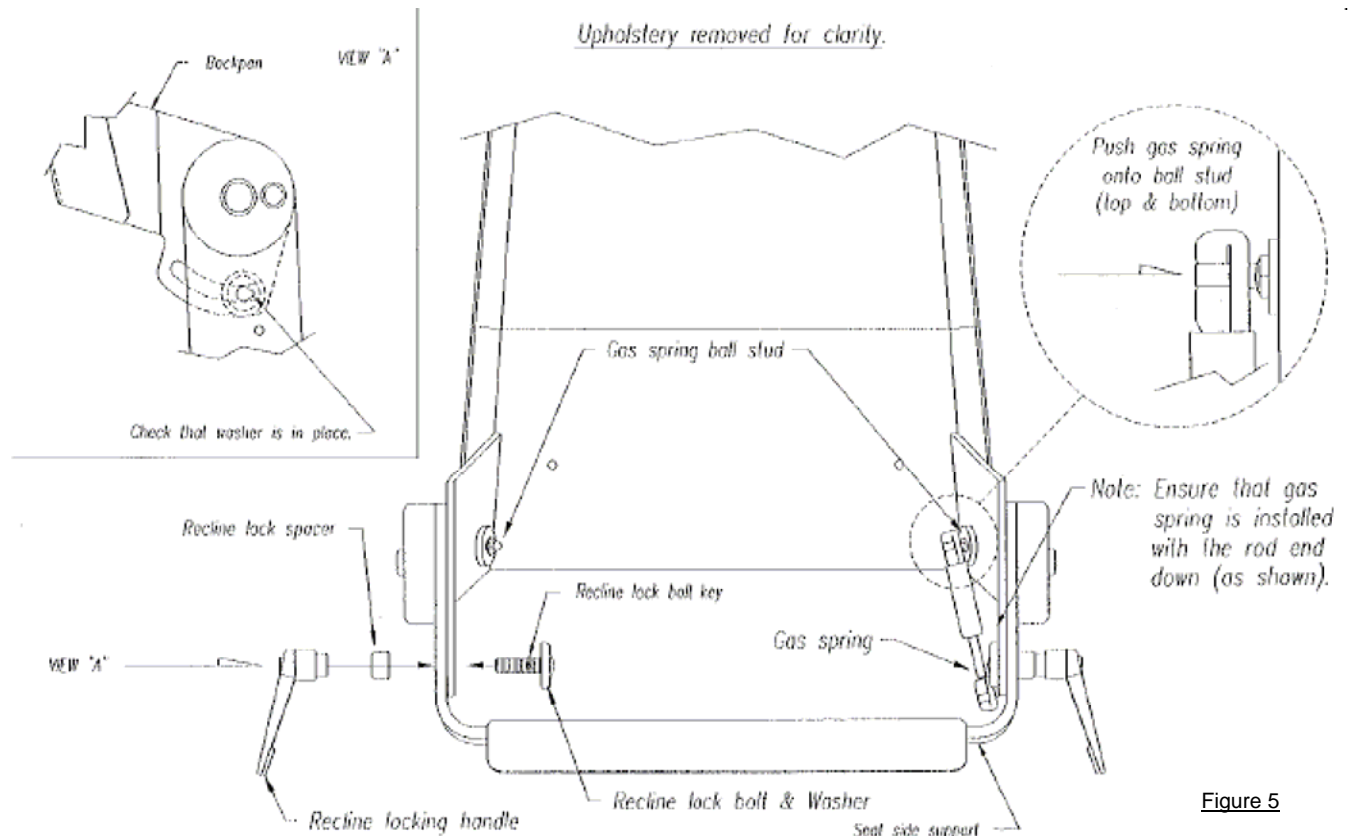


Figure 5

8. Seat Adjustments: (refer to Figure 6)

- **TO ROTATE THE SEAT:** Loosen the swivel clamp and then pull the swivel detent handle to rotate the seat to the desired position. Release the swivel detent handle to allow the swivel detent pin to seat into a detent hole at the top of pedestal. Tighten the swivel clamp to assure proper seat stabilization. **WARNING: The Swivel Clamp MUST be tightened when vessel is underway to prevent excessive wear on the detent pin and pedestal!**
- **TO RAISE OR LOWER THE SEAT:** Occupant must vacate the seat before adjusting vertical height. Loosen the vertical height clamp and pull the PDM handle. Seat will rise upwards on a counter-balancing gas spring. When seat is at desired level, release PDM handle and tighten vertical height clamp securely. **WARNING: Failure to tighten vertical height or other seat clamps may result in excessive wear to the pedestal and unwanted seat movement when vessel is underway.**

- **TO MOVE FORE – AFT:** Loosen the seat slide clamp and position seat as desired. Tighten seat slide clamp **securely**.
- **TO RECLINE THE BACKREST:** Loosen both backrest locking handles one half turn in opposite directions and recline to the desired angle. Lock handles securely. The secured handle may be re-positioned by pulling the handle out and away from the seat, rotating and releasing.
- **TO RAISE ARMREST:** Press armrest lock button on arm hub and lift the front edge of the arm. Note: If seat is equipped with the Jog Lever Adapter Assembly (p/n 550-1110) on either the left or right arm, the arm will LOCK in the UP position. The occupant must press the armrest lock button to release and lower the arm. When armrest has reached end of travel, locking button will automatically reset.

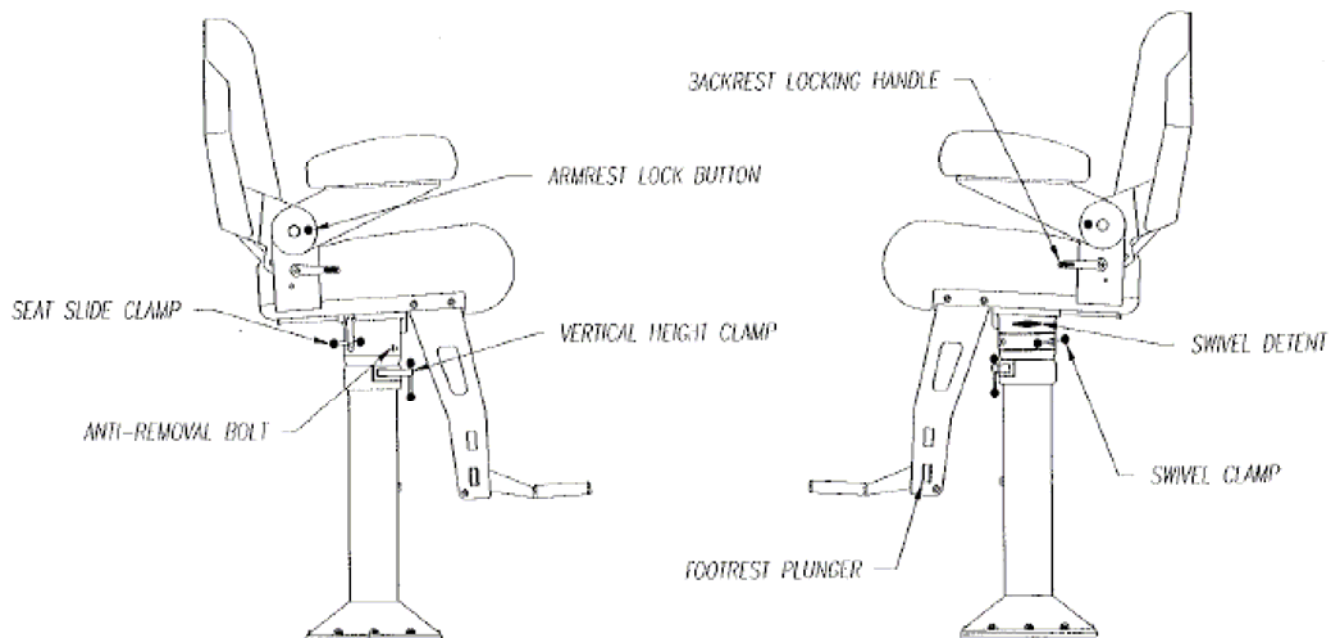
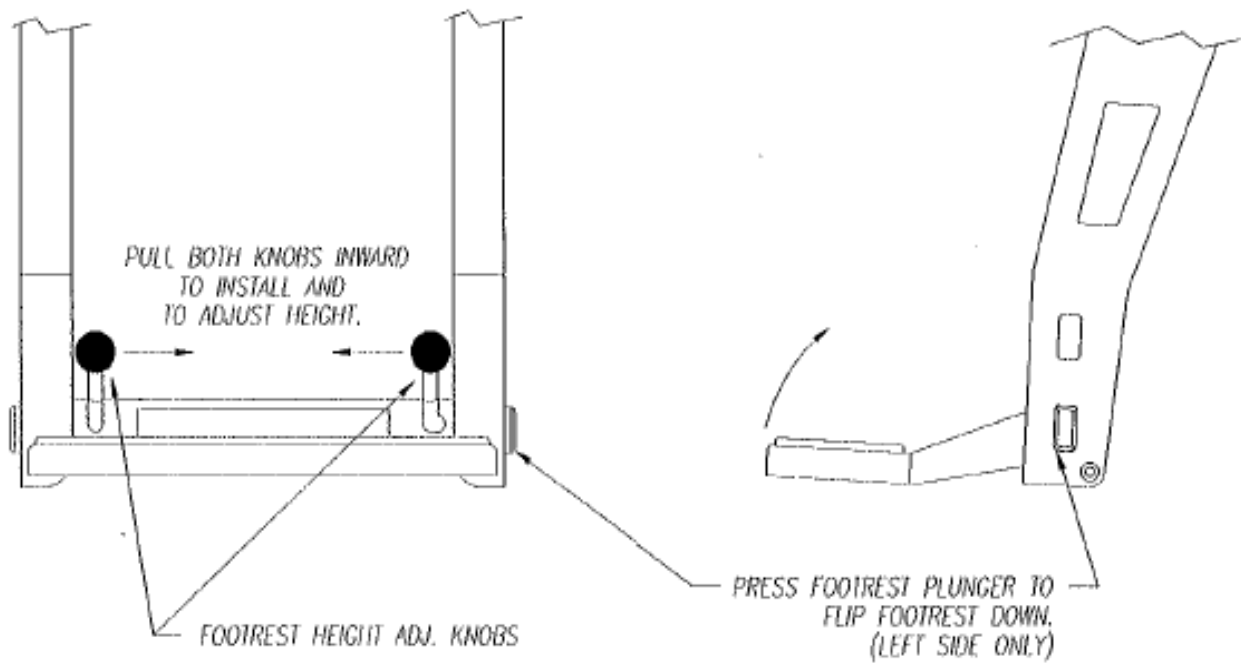


Figure 6

9. **Footrest & Foot Rest Adjustments:** (refer to Figure 7)

- **TO ADJUST FOOTREST HEIGHT:** Pull black foot rest knobs towards each other and release when aligned with opposing rectangular slots (upper or lower) in sides of footrest hangers.
- **TO SWING UP FOOTREST:** Rotate upwards with foot until the footrest locks into position.
- **TO FLIP FOOTREST DOWN:** Press the protruding rectangular side of the footrest plunger on the left side hanger with foot until footrest falls.

Figure 7



10. Other Options:

*The 500-201 Enclosed Bridge Seat is equipped with the CRES Lap Belt Assembly (p/n V15/890-751-A). It will be shipped with seat belt installed.

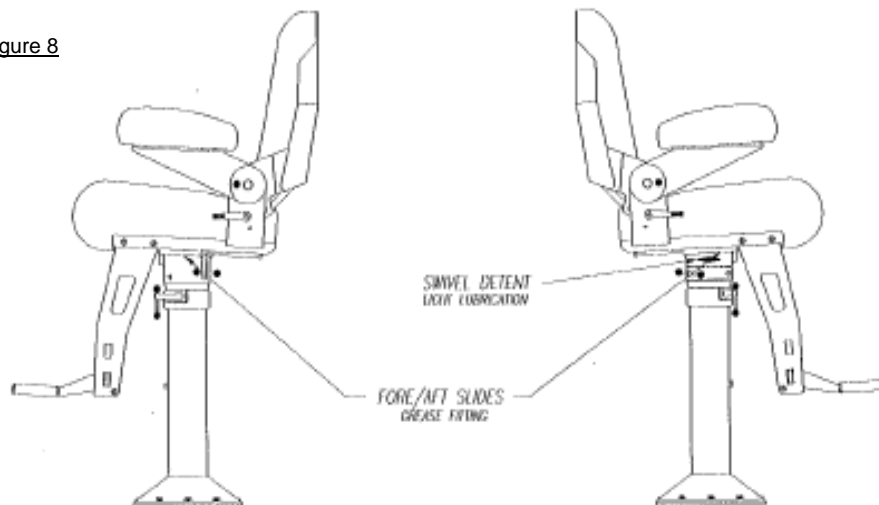
*The Jog Lever Adapter Assembly (p/n 550-1110) must be installed. If necessary, remove the armrest cushion on the arm where adapter is to be installed. Insert armrest cushion in adapter and secure cushion with self-tapping screws. Insert adapter into holes of arm and secure with supplied hardware.

11. Seat Care & Maintenance:

STIDD Systems' seats have been designed and manufactured to minimize maintenance. Some routine care is recommended to preserve the operational integrity of the seat. Periodic performance of the following maintenance procedures is recommended:

- **UPHOLSTERY:** The upholstery is covered with high-grade marine Naugahyde material. Keep it clean by immediately wiping off any stains, blood, oil, etc. Wash with mild detergents such as Fantastic, Formula 409, etc. (never anything harsh). Use the mild organic solvent Naphtha applied to a rag in small amounts, will remove some tougher stains. (A suitable product available at commercial outlets that can be used is called AFTA.)
- **LUBRICATION:** (Refer to Figure 8) Periodically pump Super-Lube brand Teflon grease or Lubriplate into grease fittings located on the Fore/Aft slides. **DO NOT OVERFILL.** The Arm-rest lock hubs (two) are lubricated during assembly and normally do not require maintenance. Super Lube grease is recommended because it is clear and will not stain hands or clothing. Lubricate when necessary.

Figure 8



**For Customer Service and Technical Assistance, contact Jac Citra at: 631-477-2400, ext. 135
or by e-mail: jcitara@stidd.com**



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STIDD Systems

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Made in U.S.A.

Limited Warranty

STIDD Systems, Inc. (SSI) warrants that its products (Products) will be free from defects in material and workmanship under normal and proper usage for a period of twelve (12) months from the date of shipment. SSI's obligation hereunder is limited to replacing or repairing, at SSI's option, Products or parts thereof determined by SSI to be defective, returned freight prepaid to SSI's place of business. All dismantling and assembly at Buyer's place of business and necessary packaging and transportation both ways shall be at Buyer's sole cost and expense. Replacement parts shall be shipped freight collect subject to the same terms, conditions and charges (except for the purchase price) as the original shipment. SSI shall be under no obligation to repair any Product which has been subjected to improper operation, maintenance or storage, accident, alteration, abuse or failure to follow normal operating or maintenance procedures as set forth in the "Installation, Operation & Maintenance Instructions" accompanying the Products. Alteration or repair by any other than authorized SSI personnel shall invalidate this Limited Warranty. SSI does not authorize any person to assume for it any other obligation or liability not specified in this Limited Warranty. Equipment, components, accessories and any other items not of SSI's manufacture are warranted by SSI to the Buyer only to the extent the same are warranted to SSI and enforceable by SSI against the supplier and/or manufacturer thereof and are subject to all terms and conditions of said warranties to SSI. In the event SSI provides service under the assumption that it is warranty service, and during the course of providing such service, SSI determines that the alleged defects are not covered by this Limited Warranty, Buyer agrees to pay for such service, including parts, at SSI's standard rates and prices then in effect. SSI shall in no event be liable for indirect, consequential or special damages, including, without limitation, any damages for lost profits, lost time or personal injuries, including such damages or injuries which may occur in the event of a breach of the foregoing limited warranty. THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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PARTS LIST FOR 500-201 L/R, ENCLOSED BRIDGE SEAT

Refer to appropriate 500-201 diagrams. Contact STIDD for current PARTS pricing.

Ref. #	Part Number	Description	Qty. req'd.
1	520-2-002	WELDMENT, LOW BACK	1
2	V15/510-3-167	Backrest Lock Washer/Spacer	2
3	510-3-162	PAD, LOCKWASHER, BACKREST	2
4	510-1-164-N	Universal Backrest Pivot Bolt	2
5	V15/510-3-166-N	Narrow Backrest Spacer & Washer	2
6	V13/H-890-462	1/2-13 Adjustable Handle, Female, Plastic/SS	2
7	V10/GS-8-2.25-60-SS	8mm-2.25s-60lbs Gas Spring, SS	2
	510-1002	Seat Pan Assembly	1
8	510-2-004	WELDMENT, SEAT PAN	1
9	510-3-044	ROD, SLIDE	2
10	V15/890-751-A	CRES Lap Belt Assembly, 52"	1
11	810-3-145	Seat Belt Mount Bushing	2
12	510-1-020	Slide Casting Assembly	1
14	V06/MFI-1214-12	3/4" x 7/8" x 3/4" Flange, Iglide M250	4
15	V11/S-890-040	1/4-28 Grease Fitting, Straight, Tapered, SS	2
	510-1-027	Swivel Detent Pin Assembly	1
16	510-3-028	Swivel Detent Pin	1
17	510-3-030	Swivel Detent Pin End Cap	1
18	V10/CS360x045x1.50	.360x.045Wx1.50L Comp. Spring, SS	1
19	V13/H-890-465	1/4-20 "T" Handle, Black	1
20	510-3-032	Swivel Clamp	1
21	V06/MSI-0608-08	3/8" x 1/2" x 1/2" Sleeve, Bushing	2
22	510-1-092-R	1 Position Arm Sub-Assembly (Right)	1
23	510-1-092-L	1 Position Arm Sub-Assembly (Left)	1
22	550-1-002-R	2-Position Lock Arm Assembly, Right	1
23	550-1-002-L	2-Position Lock Arm Assembly, Left	1
24	810-3-099	Arm Lock Plunger	2
25	810-3-101	Arm Hub	2
26	V15/810-3-102	Arm Button	2
28	V15/810-3-104	Arm Sealing Ring	6
27	V12/OR068x087x093	11/16x7/8x3/32 O-Ring, Buna-n, Dur. A70	2
29	V03/312x750x060	.312x.750x.060 Flat Washer, Nylon	2
30	V10/CS420x055x1.00	.420x.055Wx1.00L Comp. Spring, SS	2
31	312X500X187	.315x.500x.187 Flat Washer, Nylon	2
32	V08/RRE-031	.312 "E" Style Retaining Ring, SS	2
33	V06/MSI-1214-16	3/4" x 7/8" x 1" Sleeve, Iglide M250	2
34	V06/GSI-0809-16	1/2" x 19/32" x 1" Sleeve, Iglide G300	2
35	V06/MSI-0608-04	3/8" x 1/2" x 1/4" Sleeve, Iglide M250	2
36	810-3-103	Arm Stop Pin	2
37	V03/629x1.50x030B	.629x1.50x.030 Flat Washer, Black Delrin	8
38	V03/500x875x060	.500x.875x.060 Flat Washer, Nylon	2

39	V14/C-890-640	1.28" Finishing Plug, Black	2
40	510-4-060-L	X3 Footrest Hanger Folded, Left	1
41	510-4-060-R	X3 Footrest Hanger Folded, Right	1
42	510-3-080	X3 Footrest Crossbar	1
43	510-2-064	X3 Footplate Weldment	1
44	510-3-072	X3 Footrest Plunger	2
45	510-3-074	X3 Footrest Plunger Stud	2
46	510-3-076	X3 Footrest Spring Spacer	1
47	510-4-082	X3 Footrest Tread, Folded	1
48	V13/K-890-490	1/2-13x1 3/8" Ball Knob, Black	2
49	V10/CS1.09x082x2.00	1.095x.082Wx2.00L Comp. Spring, SS	1
50	510-1098-1	Tall PDM Pedestal Assembly	1
51	540-2-002-1	Tall PDM Pedestal Weldment	1
52	510-3-112	Pedestal Collar Clamp	1
53	540-2-005	PDM Pedestal Inner Post Weldment	1
54	V15/510-3-130	Pedestal Top Bushing	1
55	V15/510-3-132	Pedestal Swivel Bushing	1
56	V15/510-3-134	Pedestal Height Adj. Bushing	1
57	V15/510-3-136	Pedestal Bottom Bushing	1
58	510-3-138	Pedestal Slot Bushing	1
59	510-3-140-1	Tall Pedestal Gas Spring Extension	1
60	510-3-141	Pedestal Gas Spring Bottom Mount, 8mm	1
61	V10/GS-8-8.50-110	8mm-8.50s-110lbs Gas Spring (500 Ped)	1
62	510-3-142	Pedestal Bottom Plate	1
63	V08/RRI-418	4.18 Custom Retaining Ring, SS	1
64	510-1-036	Swivel Handle Sub-Assembly	1
65	510-1-040	Slide Handle Sub-Assembly	1
66	510-1-114	Pedestal Clamp Handle Sub-Assy.	1
	U/500-200-CG	Upholstery, Set, 500 Series, Vinyl, USCG Spec	1
67	U/510-7-200-CG	Upholstery, Seat, USCG Spec	1
68	U/520-7-010-CG	Upholstery, Back, Lowback	1
69	U/510-7-210-CG	Upholstery, Arm, USCG Spec	2
70	V14/C-890-642	Upholstery Cap, Pop On with base washer	12
77	560-103	Steering Lever Adapter Assembly	1
71	V01/014C075STXPH	#14x.75 Self-Tap. Phil. Pan Head, SS	12
72	V02/270x500x060	.270x.500x.060 Flat Washer, SS	2
73	V01/031C075SHFH	5/16-18x.75 Socket Head, Flat Head, SS	4
74	V01/031C075SH	5/16-18x.75 Socket Head Cap Screw, SS	2
75	V02/325x560x060	.325x.560x.060 Flat Washer, SS	9
76	V01/031C100SH	5/16-18x1.00 Socket Head Cap Screw, SS	2
78	V02/270x500x060	.270x.500x.060 Flat Washer, SS	2
79	V04/25CNNES	1/4-20 Nylon Insert Locknut, SS	2
80	V01/031C150SHFH	5/16-18x1.50 Socket Head Flat Head, SS	1
81	V04/31CNNES	5/16-18 Nylon Insert Locknut, SS	1
82	V02/325x560x060	.325x.560x.060 Flat Washer, SS	
83	V01/037C125HH	3/8-16x1.25 Hex Head, Fully Threaded, SS	2
84	V05/1185-8CN-0500	Helicoil, 1/2-13x.500, Non-Locking	2
85	540-1-051	Pedestal Detent Mechanism (PDM) Upgrade	1
86	V04/25CNFJS	1/4-20 Finished Hex Jam Nut, SS	1

**For Customer Service and Technical Assistance, contact Jac Citra at: 631-477-2400, ext. 135
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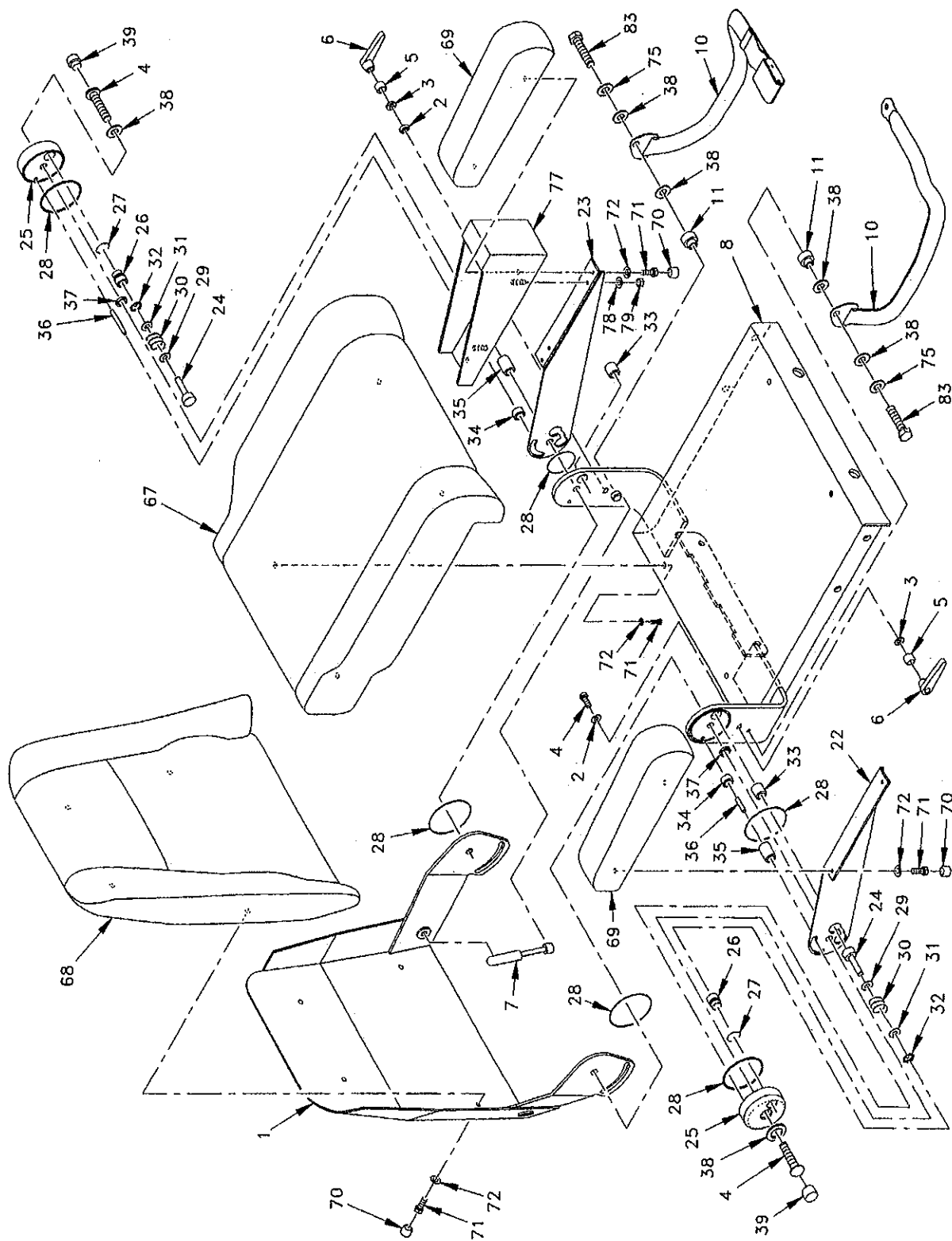
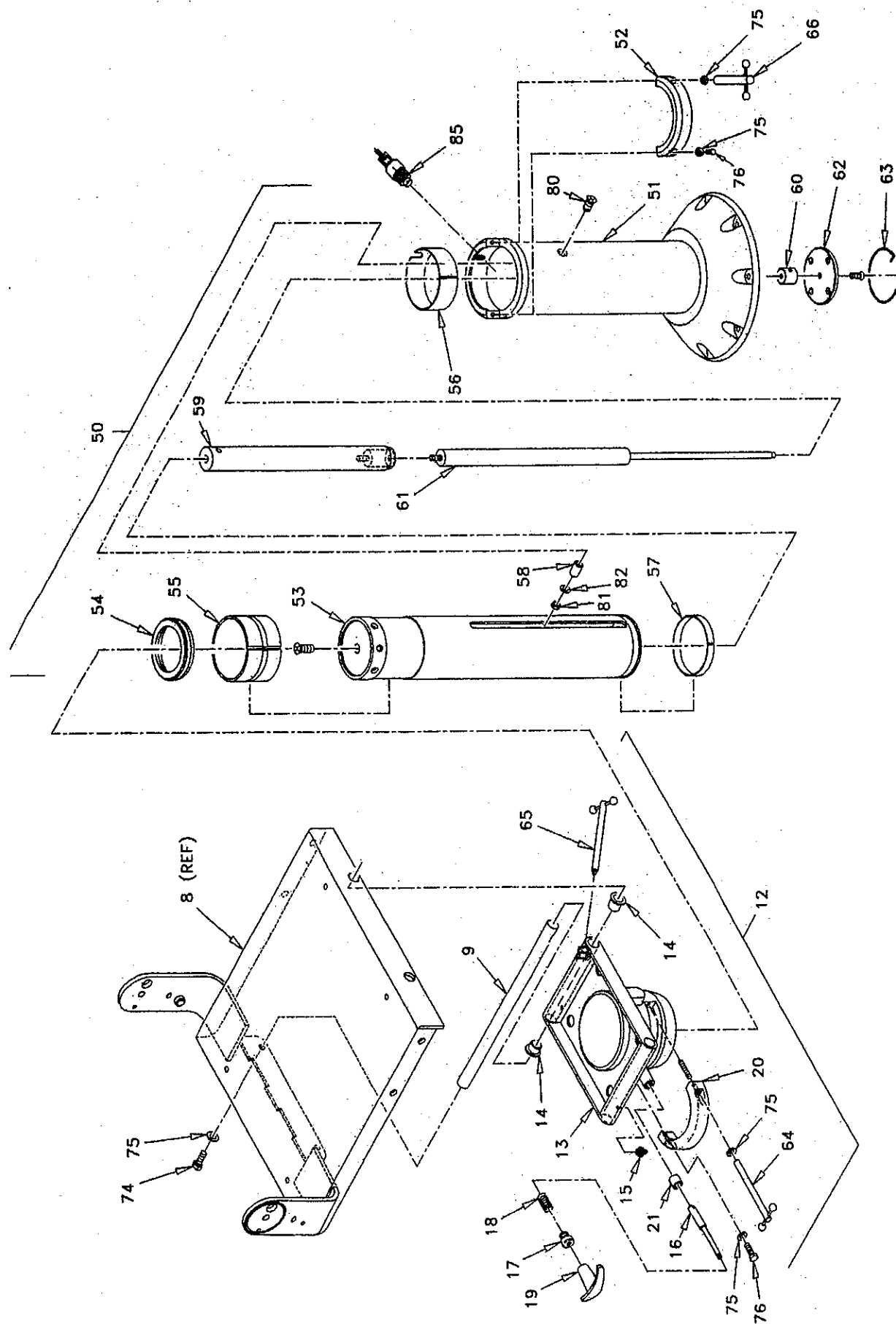


Figure 1 page 1 (ZH0123)



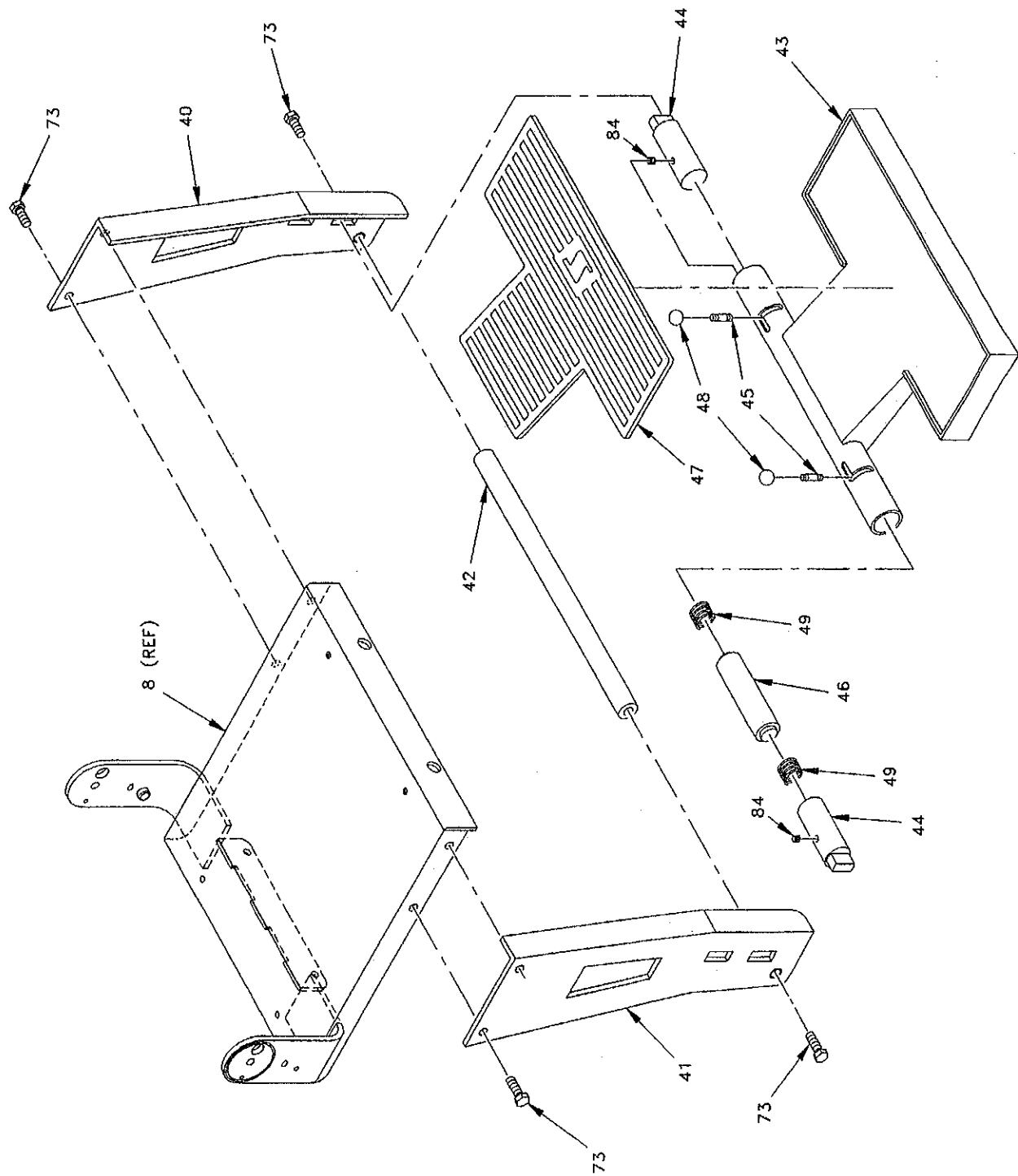


Figure 1 Page 2 (ZH0123)

Proprietary Technical Data

SERIES 500V5

WITH CRES REEL HARNESS
SYSTEM FOR
THE 47MLB OPEN BRIDGE

**INSTALLATION,
OPERATION &
MAINTENANCE
INSTRUCTIONS**



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SUGGESTED INSTALLATION, OPERATION, & MAINTENANCE INSTRUCTIONS

A NOTE TO OUR VALUED CUSTOMERS: In a continuing effort to reduce shipping costs for our Customers, all 500V5 Helm seats are packaged in smaller cartons for shipment via United Parcel Service (UPS). As a result, the Footrest Assembly must be bolted on, and the Installer must attach the two Backrest Lock Handles. To make these additional setup procedures quick and easy, STIDD Systems engineers have pre-installed threaded posts and backrest ball studs, reducing the installation to a few simple steps. If you should experience any difficulty during installation, please call Collect 631-477-2400 ext. 135 for assistance. Thank You.

1. Inspect Contents

Carefully remove the packaging materials from the Seat. **DO NOT USE A KNIFE...DAMAGE TO THE SEAT COULD RESULT.** Your Seat is packed to withstand the rigors of normal shipment. Damage incurred in shipment must be reported immediately to the carrier, and original packaging materials must be saved for inspection for evidence of damage in transit.

<u>Description:</u>	<u>Qty:</u>	<u>Used in:</u>
Box #1 of 2 boxes		
Seat Assembly	1	
Footrest Assembly	1	
Box #2 of 2 boxes		
V5 Pedestal Assembly	1	
<u>Seat Hardware Pack, includes:</u>		
3/8"-16 SS Lock Nut & washers	4	500N Footrest Assembly
Backrest Locking Handle Assembly	2	Backrest Assembly
Backrest Assembly Backrest Gas Spring	2	Backrest Assembly
5/16"-18 x 2" SS Socket Head Cap Screw & washer	1	Seat Assembly (anti-removal bolt)
<u>Isolation Kit includes:</u>		
5/16"-18 x 1" SS Flat Head Socket Head Screw	8	Pedestal Attachment
5/16" Nylon Washers	8	Pedestal Attachment
"Tef-gel" Anti-Seize Compound, Tube	1	Pedestal Attachment
Pedestal Isolation Gasket	1	Pedestal Installation

NOTE: Diagrams and photos of the V5 shock-mitigating pedestal contained in this manual are for the p/n 510-1100-V5-F (Mod3). This is the current version of V5 pedestal in production at the time of this manual's revision. Some 47MLB's are equipped with the earlier "**MOD2**" pedestal. Rest assured that there is no difference in the performance capabilities or features between the two. The difference lies in the position of the "Rebound Adjustment Knob" and its appearance. Operation, Maintenance and Adjustments remain the same from one version of the pedestal to the other. Pedestal Adjustment procedures specifically for the Mod2 version of the pedestal will be added to this manual for your convenience. **For Customer Service and Technical Assistance, contact Jac Citera at: 631-477-2400, ext. 135 or by e-mail: jcitera@stidd.com**

2. Attach Pedestal

INSTALLATION NOTE: Place Isolation Gasket between the pedestal and the mounting surface.

Position the pedestal with the Anti-Rotation Pin, located on the top of the pedestal, oriented toward the bow of the boat (or the front of the seat).

Place the eight (8) 5/16" flat nylon washers on the eight (8) 5/16"-18 x 1" stainless steel flat head socket head screws provided, and secure the pedestal.

The nylon washers will conform to the shape of the screw head as you tighten. Isolating the pedestal from the mounting surface will help reduce any potential corrosion.



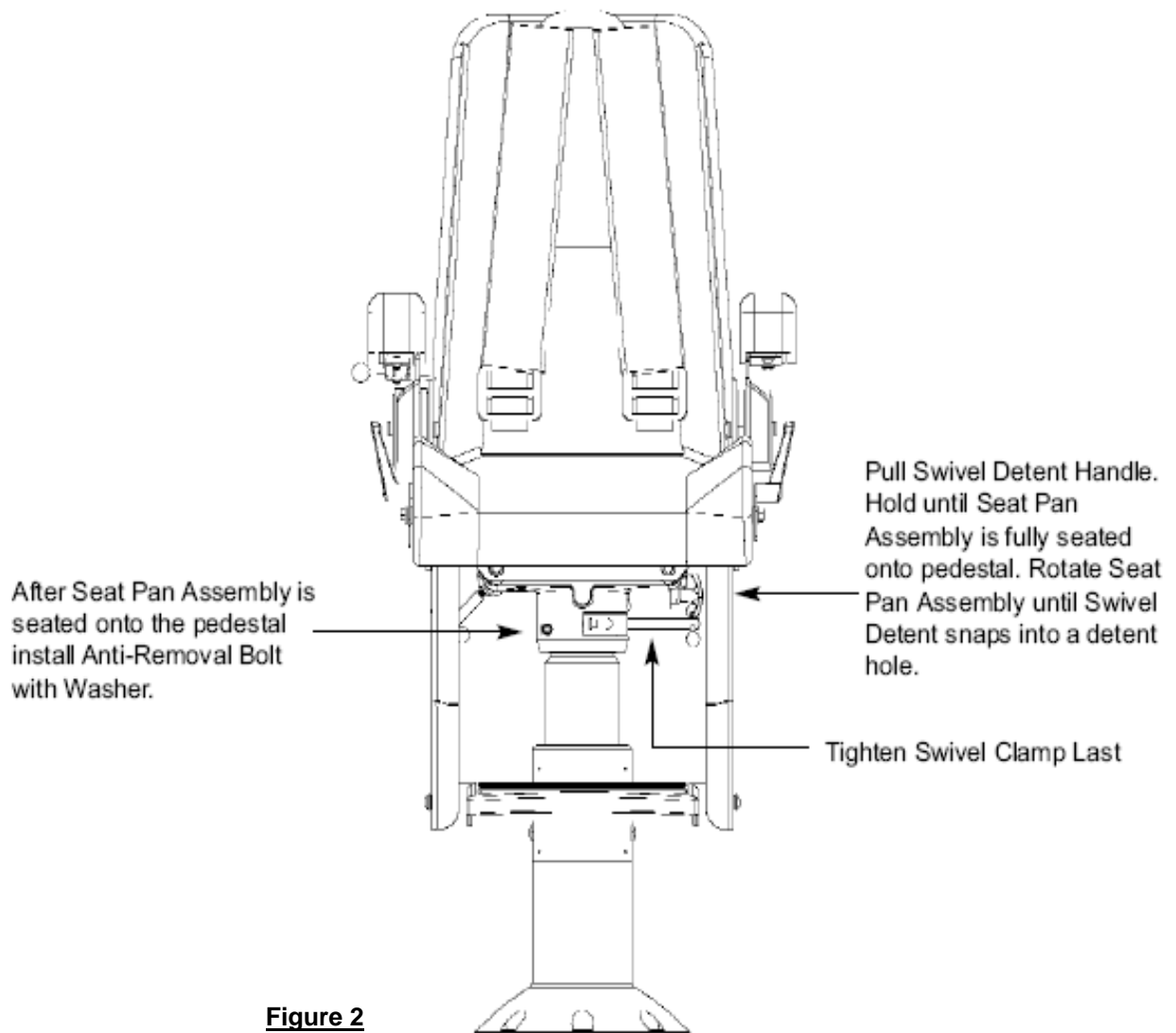
Figure 1

3. Install Seat

Place Seat Assembly onto the Pedestal at this time, pulling the swivel detent handle on the left side to allow the pedestal to fully seat. Rotate the seat (in either direction 45 degrees) until the swivel detent pin locks into an indexing hole.

Apply a small amount of Tef-Gel to the anti-removal bolt (5/16"-18 x 2" SS Socket Head Screw), insert and tighten it on the Slide Casting.

Tighten Swivel Clamp. Note: The gap between both sides of the clamp and the casting must be the same. See Figure 2.



4. Install Footrest Assembly

The 500N Footrest mounts underneath the seat pan. Use the four 5/16"-18 lock nuts and washers provided. Install the footrest assembly as illustrated at right (Fig. 3). To fold the footrest down or up, the occupant simply moves the footrest to the desired position with their foot.

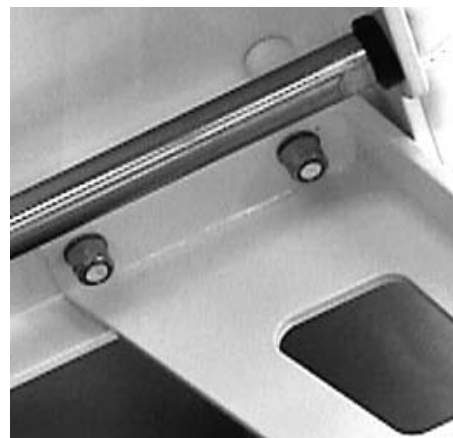


Figure 3

5. Install Back Rest Gas Springs

Install the two gas springs (**SHAFT END FACING DOWN**) by pushing the end clips onto the ball studs. See Figure 4.

6. Install Back Rest Hardware

Lift the Backrest to the upright position

Disassemble the Backrest Locking Handle Assembly (from the hardware kit) leaving the washer on the Recline Lock Bolt.

Slide the Recline Lock bolt (with washer) through the seat side support and backrest slot. Be sure to align the bolt key with the keyway slot on the seat side support.

Place the backrest lock spacer onto the Recline Lock bolt and thread the Backrest Locking handle on. See Figure 4.

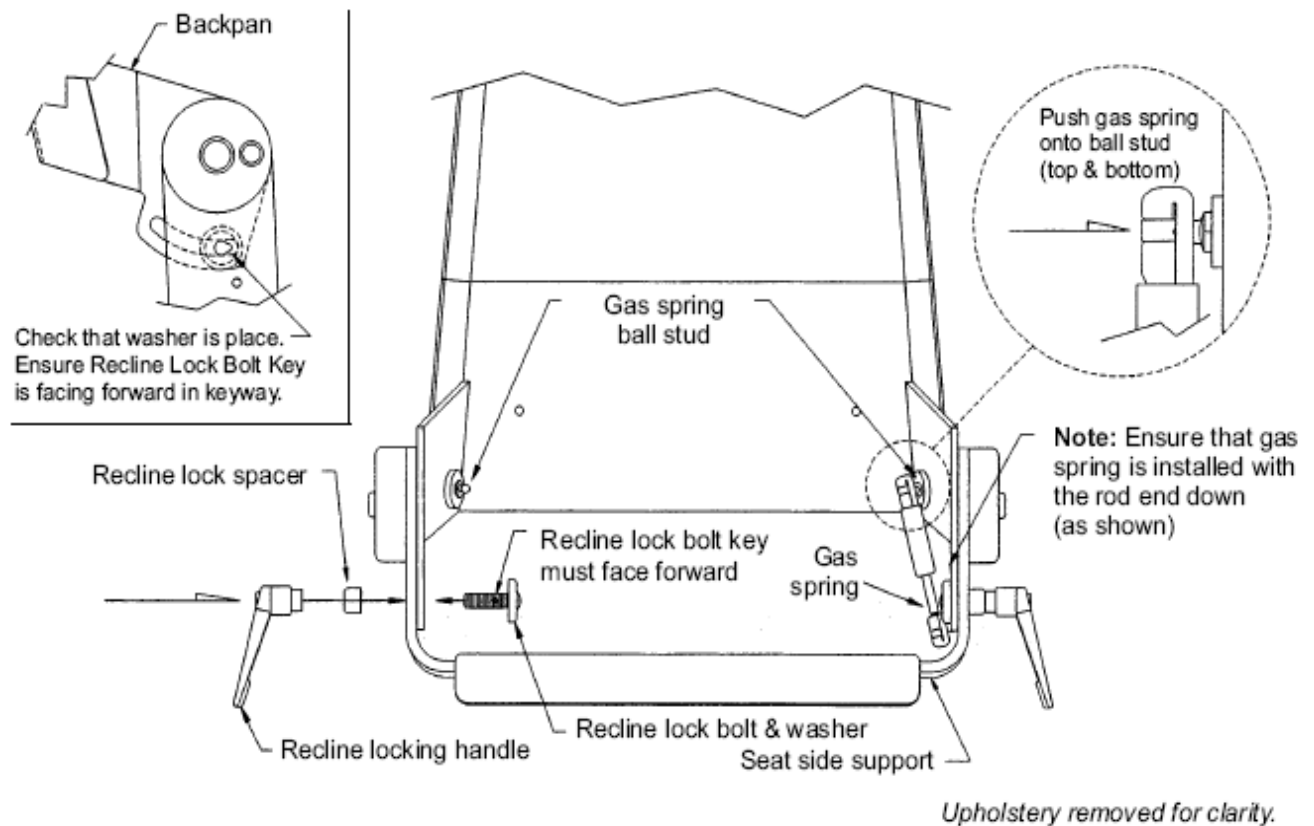


Figure 4

7. Install Harness Control Assembly

Your seat ships with the harness system control lever detached from it's mount. Using a Philips head screwdriver and the hardware provided, you will need to attach this control lever to the mounting bracket located on the underside of the chair's right arm. Figure 5 shows the mounting of this control lever. Route any extra cable towards the inside of the chair as shown in Figure 6.



Figure 5

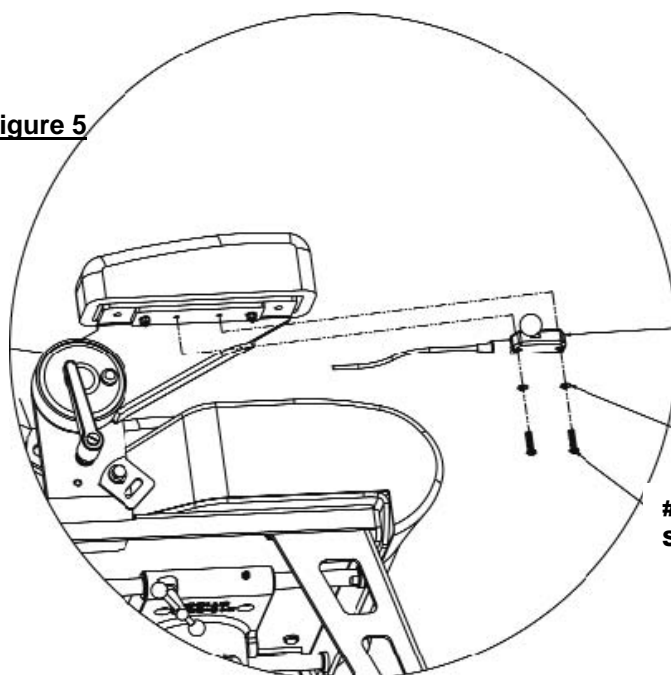


Figure 6

8. CRES Reel Harness System Operation

The STIDD CRES Reel Harness System is designed to provide Support when needed as well as give the occupant freedom to move without restraint. The control lever for this device is located on the underside of the chair's right arm.

•OPERATION (Figure 7)

Lever Back = "Locked" (Restrained)

Lever Forward = "Un-locked" (Unrestrained)

In the "Locked" position, the reel will "ratchet" the harness back onto the spool, securing the occupant to the seat. The harness cannot unwind until the lever is "Unlocked". Once unlocked, the reel will unwind forward allowing the occupant to lean forward but locks with a sudden jolt.

•ADJUSTMENT

Each harness system needs to be adjusted according to the size of the occupant. To properly adjust this system, sit in the seat with the control lever in the "unlocked" position. Fasten the lap-belt portion of the system and adjust the belt size until a comfortable fit is achieved. Once you have adjusted the lap belt, place the control lever in the "locked" position and adjust the two shoulder straps for the same supportive, comfortable fit.

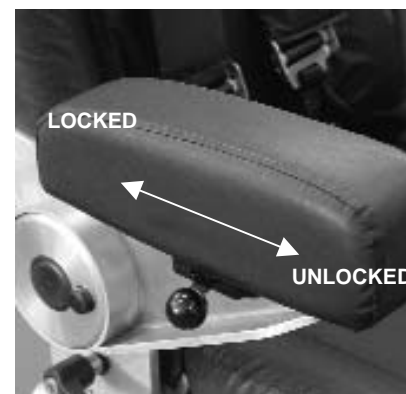


Figure 7

9. Seat Adjustments

TO ROTATE THE SEAT (A) (Figure 8)

Loosen the swivel clamp, pull the swivel detent handle and rotate the seat to the desired position. Release the swivel detent handle to allow the swivel detent pin to seat into a detent hole.

Tighten the swivel clamp securely after adjustment!

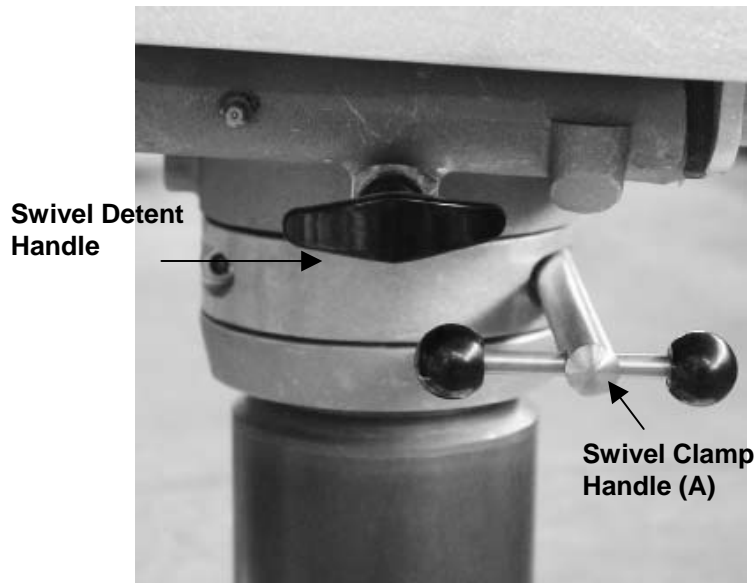


Figure 8

When seated, the swivel clamp and the swivel detent handle are located under the left side of the seat.

TO MOVE THE SEAT FORE-AFT (B) (Figure 9)

Loosen the seat slide clamp handle and position the seat as desired. Tighten seat slide clamp securely.

TO RECLINE THE BACKREST (C) (Figure 10)

Loosen both backrest locking handles one half turn in opposite directions and recline to the desired angle. Tighten locking handles securely. Locking position of the handles may be repositioned by pulling the handles out of the ratchet, rotating and releasing.

TO RAISE/LOWER ARMREST (D) (Figure 10)

Press armrest lock button on arm hub and lift the front edge of the arm. When armrest has reached end of travel, locking button will automatically reset.



Figure 9



Figure 10

SEAT HEIGHT

There is no vertical height adjustment.

Version 5 Shock-Mitigating pedestals are FIXED HEIGHT.

10. Seat Positioning and Shock Absorber Operation

The Version 5 Shock-Mitigating Pedestal represents state of the art shock-mitigation for the marine environment.

To fully benefit from the shock-mitigating seating:

- The seat should be centered over the pedestal (mid-fore/aft position).
- The Occupant should sit upright with feet positioned on the footrest.
- Adjust and use the seat belt/harness.
- Adjust the seatback for comfort and all handles tightened while the vessel is underway.

Note: Leaving the seatback in the fully reclined position while the vessel is underway could cause damage to the seat!

- The Spring preload is pre-set at the factory at the optimum level determined in operational tests.
- Rebound damping (upward) speed is adjusted using the knob on the lower back of the pedestal. There are 10 positions available. Turning the knob fully counter-clockwise (1) will give the fastest recovery to full stroke between shocks; turning the knob fully clockwise (10) will give the slowest response time. (Figures 11 & 12)

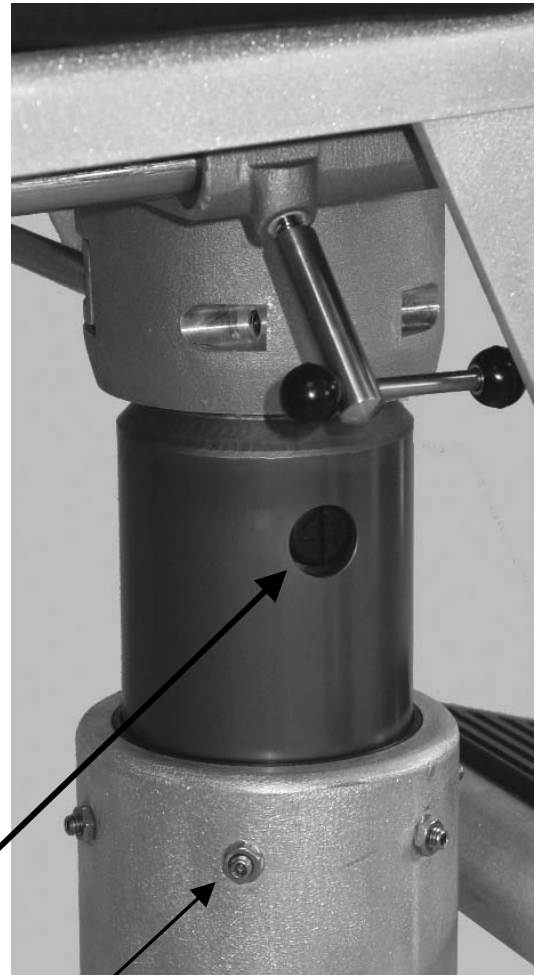


Figure 11

**UPPER ADJUSTMENT
SCREWS (QTY: 6)**

**Rebound Adjustment
Knob**

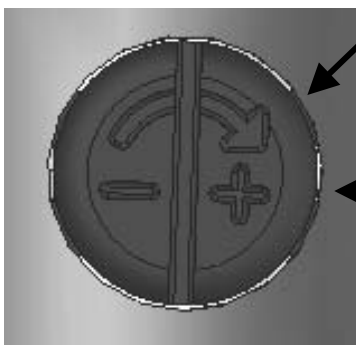


Figure 12

10-Position Rebound Adjustment
Position 1 = Full counter-clockwise for
fastest response time

Position 10 = Full clockwise for
slowest response time

11. General Pedestal Maintenance

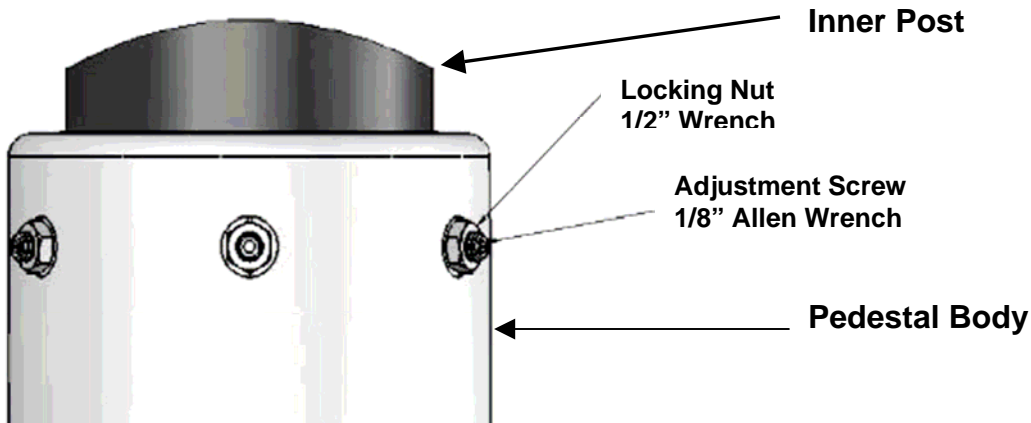


Figure 13

Note: Adjustment of the V5 Pedestal bushings should **ONLY** be done when a considerable amount of play or movement is apparent between the inner post and the pedestal body.

ADJUSTMENT OF THE BUSHINGS

1. Using a 1/8" hex key, hold the adjustment screw from turning while loosening the lock nut on each of the 12 screws with a 1/2" wrench.
2. Turn each screw clockwise 1/12th of a turn.
(Example: 12 o'clock to 1 o'clock)
Turn all 12 screws before continuing to Step 3.
3. Rock the seat, port/starboard and fore/aft, to check for movement.
A small amount of movement is acceptable.
DO NOT OVERTIGHTEN. Over-tightening the bushings will result in poor shock mitigation, damage to the pedestal or injury to the Passenger.
4. If the pedestal still has an excessive amount of movement, repeat Steps 2 & 3.
5. If the pedestal seems to be too tight and/or the shock motion is stiff and sluggish, turn every screw counter-clockwise 1/12 of a turn and repeat Step 3.
6. A properly adjusted pedestal will slide up and down smoothly. A small amount of port/starboard or fore/aft movement will not affect the pedestal's performance.
7. Use the hex key to hold the adjustment screws while tightening the lock nuts. **DO NOT OVER-TIGHTEN** the lock nuts. Only tighten the lock nuts enough to prevent the adjustment screws from working loose over time.

Figure 14 – Diagram of the 510-1100-V5-F (Mod3) Pedestal



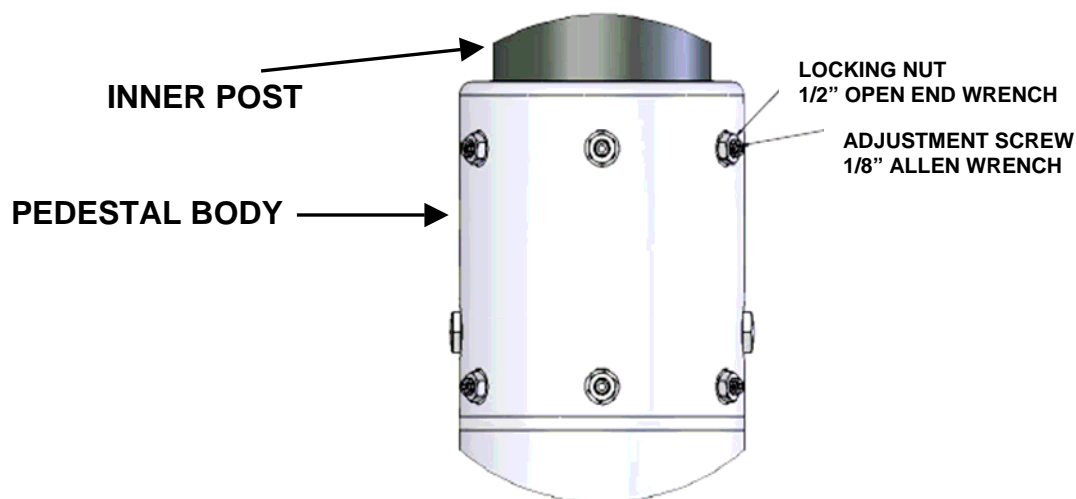
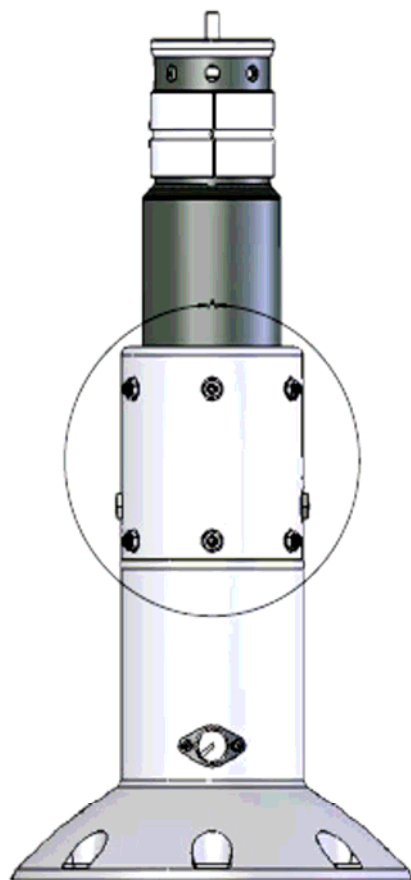
The Pedestal and Procedure featured on this page is for the current V5 design. Some seats may have a pedestal of an earlier design. There are some minor design differences that do not compromise the performance of the pedestal in any way. The adjustment procedure for the earlier model is similar and can be found on the following page.

11a. Adjustment Diagram & Procedure for 510-1100-V5-F (Mod2) Pedestal

NOTE: ADJUSTMENT OF THE V5 PEDESTAL BUSHINGS SHOULD ONLY BE DONE WHEN A CONSIDERABLE AMOUNT OF PLAY OR MOVEMENT IS PRESENT BETWEEN THE INNER-POST AND THE PEDESTAL BODY.

ADJUSTMENT OF THE BUSHINGS

1. USING A 1/8" ALLEN WRENCH, HOLD THE ADJUSTMENT SCREW FROM TURNING WHILE LOOSENING THE LOCK NUT ON EACH OF THE 12 SCREWS WITH A 1/2" OPEN END WRENCH.
2. TURN EACH SCREW CLOCK-WISE 1/12TH OF A TURN (EXAMPLE: 12 O'CLOCK TO 1 O'CLOCK). TURN ALL 12 SCREWS BEFORE CONTINUING TO STEP 3.
3. ROCK THE CHAIR PORT/STARBOARD AND FORE/AFT TO CHECK FOR MOVEMENT. A SMALL AMOUNT OF MOVEMENT IS ACCEPTABLE.
4. IF THE PEDESTAL STILL HAS AN EXCESSIVE AMOUNT OF MOVEMENT, REPEAT STEPS 2 & 3.
5. IF THE PEDESTAL SEEMS TO BE TOO TIGHT AND/OR THE SHOCK MOTION IS STIFF AND SLUGGISH, TURN EVERY SCREW COUNTER-CLOCKWISE 1/12TH OF A TURN AND REPEAT STEP 3.
6. A PROPERLY ADJUSTED PEDESTAL WILL SLIDE UP & DOWN SMOOTHLY. A SMALL AMOUNT OF PORT/STARBOARD OR FORE/AFT MOVEMENT WILL NOT AFFECT THE PEDESTAL'S PERFORMANCE.
7. USE THE ALLEN WRENCH TO HOLD THE ADJUSTMENT SCREWS WHILE TIGHTENING THE LOCK NUTS. DO NOT OVER TIGHTEN THE LOCK NUTS. ONLY TIGHTEN THE LOCK NUTS ENOUGH TO PREVENT THE ADJUSTMENT SCREWS FROM WORKING LOOSE OVER TIME.



12. General Care & Maintenance

STIDD Systems' seats have been designed and manufactured to minimize maintenance. Some routine care is recommended to preserve the operational integrity of the seat. Please regularly follow the steps outlined below to perform the recommended maintenance procedures:

LUBRICATION – SLIDE RODS

Move the seat back and forth regularly to keep the slide rods lubricated and to check proper seat function. Periodically, pump **Super-Lube®** brand grease or equivalent into grease fittings located on both sides of the Slide Casting. This can be done twice a year (two or three pumps) or once a year (four or five pumps). **Do not Overfill!**

One of two grease fittings



Figure 15

DISASSEMBLY

To remove a Backrest Gas Spring for any reason, pry away the metal “U” clip from the gas spring end fitting and pull the tip away from the ball stud mounted on seat pan or backrest frame.

CUSHION REPLACEMENT

To replace a cushion, gently pry the colored plastic screw covers off and remove the screws.

CRES REEL HARNESS SYSTEM

The CRES Reel Harness System should be periodically checked for proper operation. It should be rinsed regularly with fresh water. Into pre-drilled lubrication holes, it is recommended that WD-40 or a similar product be sprayed periodically. Application could be done at least on a weekly basis and/or upon return from operations to the station.

Lubrication holes



TECHNICAL SUPPORT

For technical support, please call, write or fax as follows:

Manufactured by: STIDD Systems, Inc.

Mailing Address: P.O. Box 87

Shipping Address: 220 Carpenter St.

Greenport, NY 11944

Contact:

Customer Service

Tel:

631-477-2400, ext. 135

Fax:

631-477-1095

e-mail:

CustomerService@stidd.com

Limited Warranty

STIDD Systems, Inc. (SSI) warrants that its products (Products) will be free from defects in material and workmanship under normal and proper usage for a period of twelve (12) months from the date of shipment. SSI's obligation hereunder is limited to replacing or repairing, at SSI's option, Products or parts thereof determined by SSI to be defective, returned freight prepaid to SSI's place of business. All dismantling and assembly at Buyer's place of business and necessary packaging and transportation both ways shall be at Buyer's sole cost and expense. Replacement parts shall be shipped freight collect subject to the same terms, conditions and charges (except for the purchase price) as the original shipment. SSI shall be under no obligation to repair any Product which has been subjected to improper operation, maintenance or storage, accident, alteration, abuse or failure to follow normal operating or maintenance procedures as set forth in the "Installation, Operation & Maintenance Instructions" accompanying the Products. Alteration or repair by any other than authorized SSI personnel shall invalidate this Limited Warranty. SSI does not authorize any person to assume for it any other obligation or liability not specified in this Limited Warranty. Equipment, components, accessories and any other items not of SSI's manufacture are warranted by SSI to the Buyer only to the extent the same are warranted to SSI and enforceable by SSI against the supplier and/or manufacturer thereof and are subject to all terms and conditions of said warranties to SSI. In the event SSI provides service under the assumption that it is warranty service, and during the course of providing such service, SSI determines that the alleged defects are not covered by this Limited Warranty, Buyer agrees to pay for such service, including parts, at SSI's standard rates and prices then in effect. SSI shall in no event be liable for indirect, consequential or special damages, including, without limitation, any damages for lost profits, lost time or personal injuries, including such damages or injuries which may occur in the event of a breach of the foregoing limited warranty. THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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Made in U.S.A.

Technical drawing of the STIDD 47MLB V5 Helm Seat, showing three views: front, side, and top. Dimensions are provided for each view.

- Front View:** Shows the seat's profile with a width dimension of 23.56.
- Side View:** Shows the seat's height and armrest position with dimensions 37.46 (total height) and 29.23 (height to armrest).
- Top View:** Shows the seat's footprint with a width dimension of 53.56.

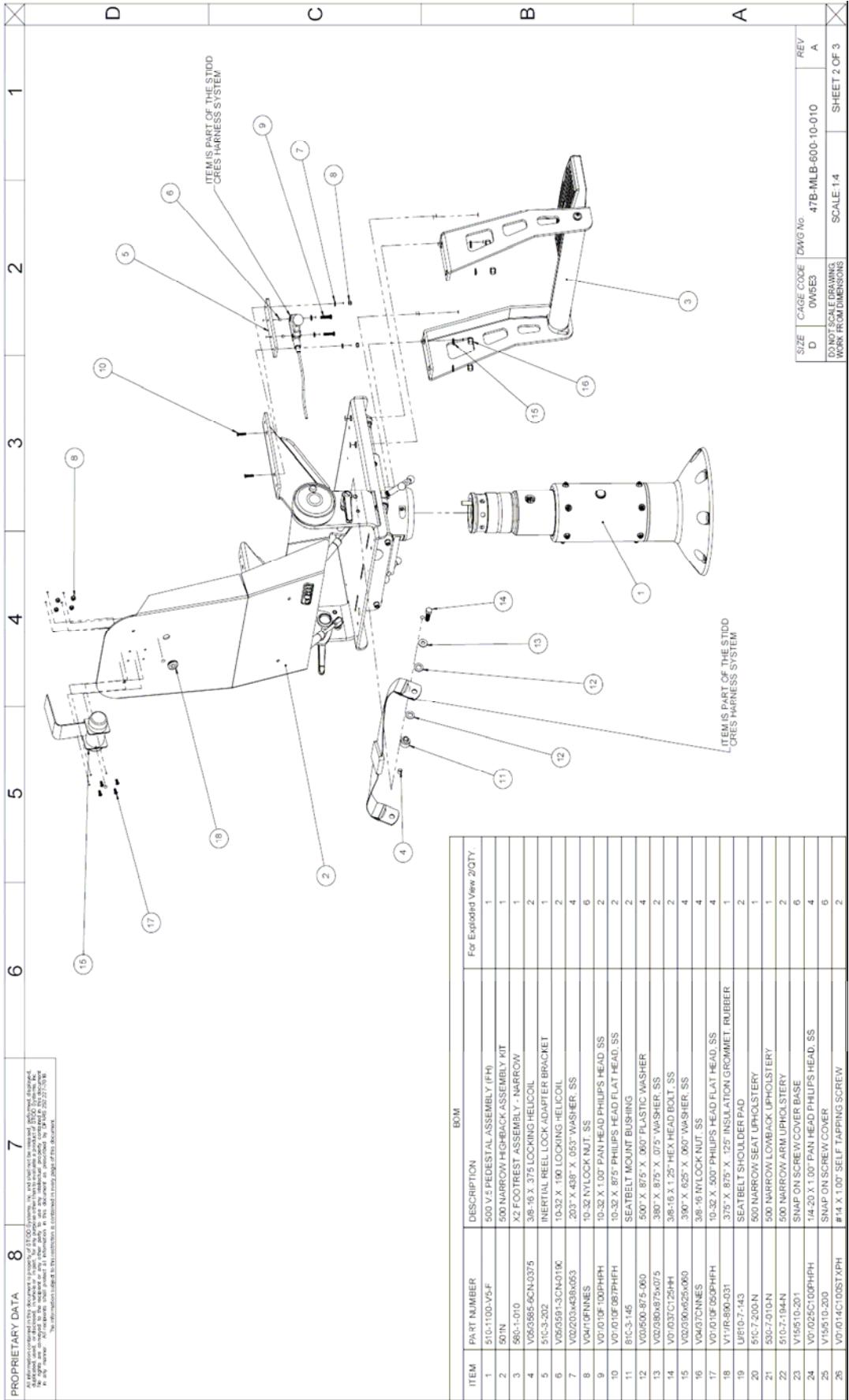
ZONE	REV.	INITIAL RELEASE	DESCRIPTION	DATE	APPROVED
	A		REVISED TO SHOW PEDESTAL MOD 2	7/24/2006	R. KOCH

STIDD SYSTEMS INC.
220 CARPENTER STREET
GREENWOOD, IN 46144
USA (631) 477-2400

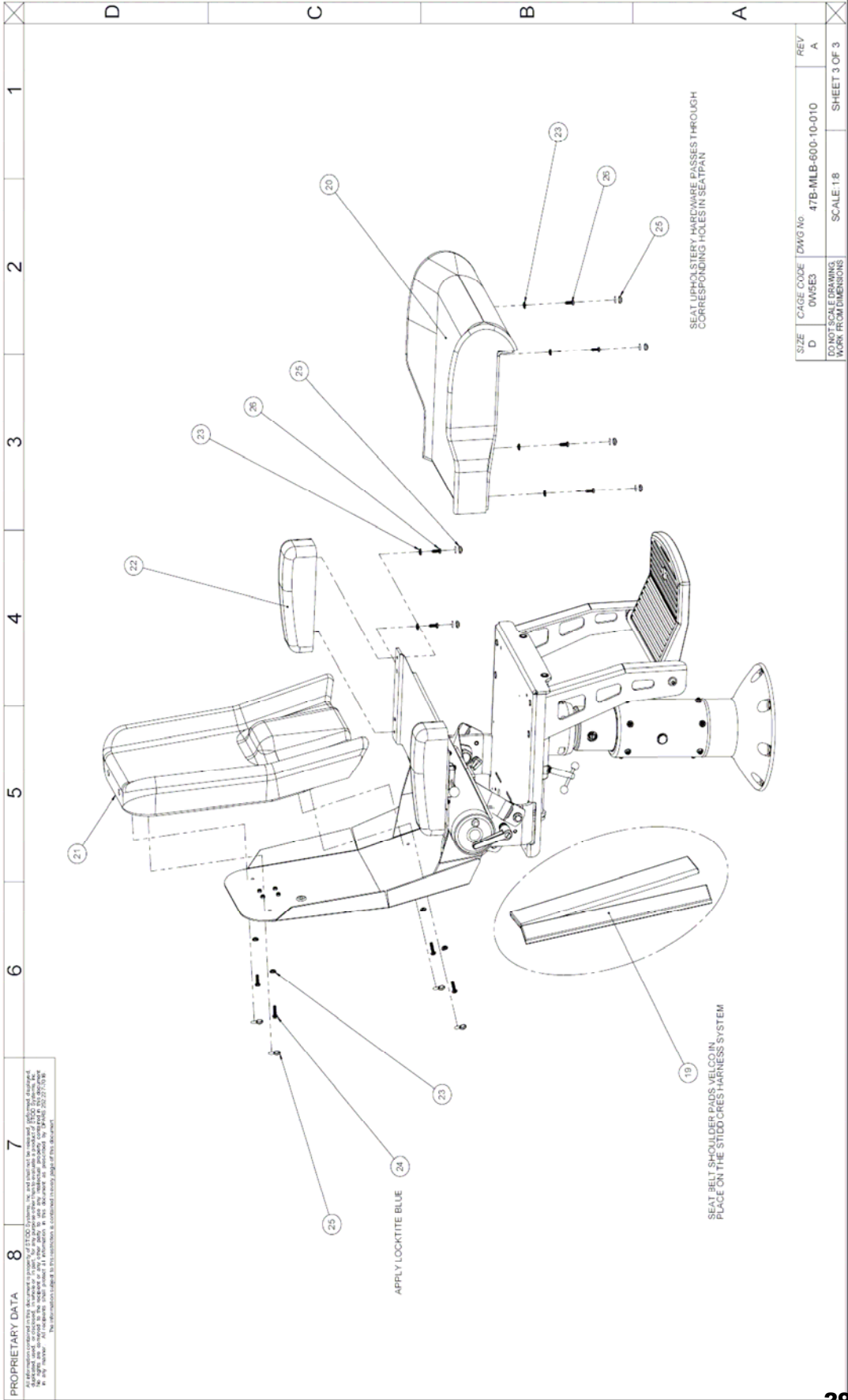
47MLB V5 HELM SEAT

SIZE: D CAGE CODE: 47BMLB-600-10-010 REV: A

WORKING DRAWING WORK FROM SCALE 1:5 SHEET 1 OF 3



BOM			For Exploded View 2D/3D
ITEM	PART NUMBER	DESCRIPTION	
1	510-1100-V5-F	500 V-5 PEDESTAL ASSEMBLY (PH)	1
2	500-N	500 NARROW HGBACK ASSEMBLY KIT	1
3	500-1-010	X2 FOOTREST ASSEMBLY - NARROW	1
4	V05G385-60N-0375	3/8-16 X .375 LOCKING HELICOIL	2
5	510-3-202	INERTIAL REEL LOCK ADAPTER BRACKET	1
6	V05G391-30N-0190	10-32 X .190 LOCKING HELICOIL	2
7	V02030-438N-053	203" X .438" X .053" WASHER, SS	4
8	V0410FN-ES	10-32 NYLOCK NUT, SS	6
9	V07010P-100PHRH	10-32 X 1.00" PAN HEAD PHILIPS HEAD, SS	2
10	V07010P-087PHFH	10-32 X .875" PHILIPS HEAD FLAT HEAD, SS	2
11	810-3-145	SEATBELT MOUNT BUSHING	2
12	V05500-875-000	500" X .875" X .060" PLASTIC WASHER	4
13	V02380-875X075	3/8" X .875" X .075" WASHER, SS	2
14	V07037C125HH	3/8-16 X 1.25" HEX HEAD BOLT, SS	2
15	V02390-625X060	3/8" X .625" X .060" WASHER, SS	4
16	V0403CH-ES	3/8-16 NYLOCK NUT, SS	4
17	V07010P-500PHFH	10-32 X .500" PHILIPS HEAD FLAT HEAD, SS	4
18	V17R-890-031	.375" X .875" X .125" INSULATION GROMMET RUBBER	1
19	UFI07-143	SEATBELT SHOULDER PAD	2
20	510-7-200-N	500 NARROW SEAT UPHOLSTERY	1
21	510-7-010-N	500 NARROW LOWBACK UPHOLSTERY	1
22	510-7-194-N	500 NARROW ARM UPHOLSTERY	2
23	V19510-201	SNAP ON SCREW COVER BASE	6
24	V07025C100PHFH	1/4-20 X 1.00" PAN HEAD PHILIPS HEAD, SS	4
25	V19510-200	SNAP ON SCREW COVER	6
26	V07010C100ST-XPH	#14 X 1.00" SELF TAPPING SCREW	2



PROPRIETARY DATA	8	7	1	2	3	4	5	6	D	C	B	A
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DO NOT SCALE DRAWING WORK FROM DIMENSIONS	D	CAGE CODE OWSES	DWG No 47B-MLB-600-10-010	REV A	SCALE 1:8	SHEET 3 OF 3						



STIDD Systems, Inc.

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PARTS LIST FOR 500V5, OPEN BRIDGE SEAT

Refer to appropriate 500V5 diagrams. Contact STIDD for current PARTS pricing.

Reference #	Part Number	Description	Qty. required
1	510-1100-V5-F	V5 Shock Mitigating Pedestal	1
2	501N	500Narrow Highback Assembly Kit	1
3	580-1-010	X2 Footrest Assembly - Narrow	1
4	V05/3585-6CN-0375	3/8"-16 x .375" locking helicoil	2
5	510-3-202	Inertial Reel Lock Adapter Bracket	1
6	V05/3591-3CN-0190	#10-32 x .190 locking helicoil	2
7	V02/203x438x053	.203" x .438" X .053" Washer, SS	4
8	V04/10FNNES	#10-32 Nylock Nut, SS	6
9	V01/010F100PHPH	#10-32 x 1.00" Pan Head Phillips Head, SS	2
10	V01/010F087PHFH	#10-32 x .875" Phillips Head Flat Head	2
11	810-3-145	Seat Belt Mount Bushing	2
12	V03/500-875-060	.500" x .875" x .060" Plastic Washer	4
13	V02/380x875/075	.380" x .875" x .075" Washer, SS	2
14	V01/037C125HH	3/8" x 1.25" Hex Head Bolt, SS	2
15	V02/390x625x060	.390" x .625" x .060" Washer, SS	4
16	V04/37CNNES	3/8"-16 Nylock Nut, SS	4
17	V01/010F050PHFH	#10-32 x .500: Phillips Head Flat Head, SS	4
18	V11/R-890-031	.375" x .875" x .125" Insulation Grommet	1
19	U/810-7-143	Seat Belt Shoulder Pad	2
	U/530N-CG	Upholstery Set	1
20	U/510-7-200-N	500 Narrow Seat Uph. (Black Stamoid)	1
21	510-7-010-N	500 Narrow Hi back Uph. (Black Stamoid)	1
22	510-7-194-N	500 Narrow Arm Uph. (Black Stamoid)	2
23	V15/510-201	Snap On Screw Cover Base	12
24	V01/025C100PHPH	1/4"-20 x 1.00" Pan Head Phillips Head, SS	12
25	V15/510-200	Snap On Screw Cover, Black	12
26	V01/014C100STXPH	#14 x 1.00" Self Tapping Screw, SS	8
	Recline Hardware Kit		
	V15/510-3-167	Backrest Lock Washer/Spacer	2
	510-3-162	PAD, LOCKWASHER,BACKREST	2
	510-1-164-N	Universal Backrest Pivot Bolt	2
	V15/510-3-166-N	Narrow Backrest Spacer & Washer	2
	V13/H-890-462	1/2-13 Adjustable Handle, Female, Plastic/SS	2
	V10/GS-8-2.25-60-SS	8mm-2.25s-60lbs Gas Spring, SS	2
	510-112 CRES	CRES Reel Harness System	1
	500-010-015	Spare Parts Kit, Reel Harness System, SS Cable	1

USCG 500N-V5 Helm Chair

Harness Actuator Cable Replacement Instructions

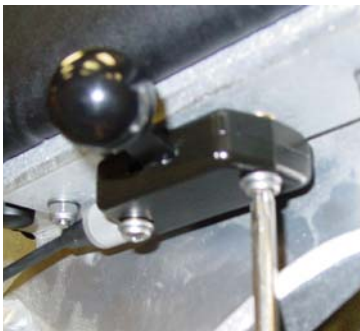
Tools Required

1. #2 Phillips Screw Driver
2. #3 Phillips Screw Driver
3. Wire Cutters
4. T9 torx driver

Removal



1. Remove the plastic covers and four screws that hold the back cushion. Remove the cushion and set aside.



2. Remove the two screws securing the locking lever to the underside of the arm rest.



3. Move the lever to the forward or “unlocked” position and unscrew collar to disconnect the cable from the lever.



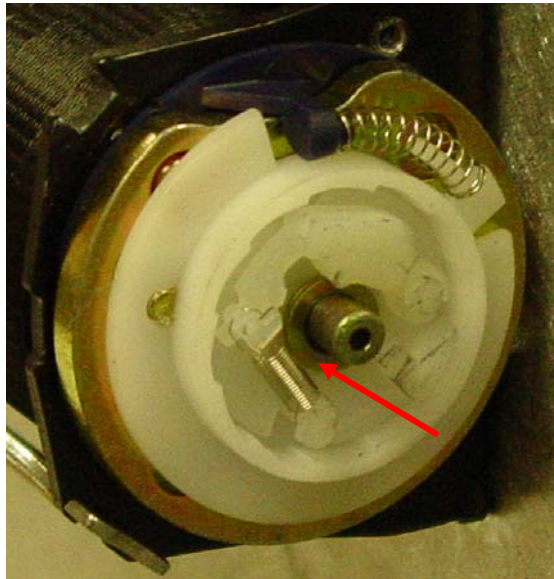
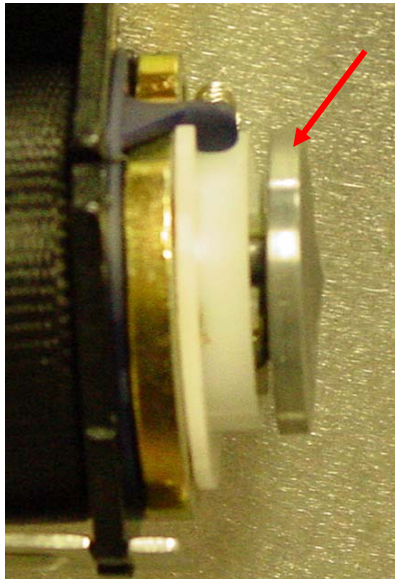
4. Remove the rubber grommet and cut the cable ties holding the cable to the seat.



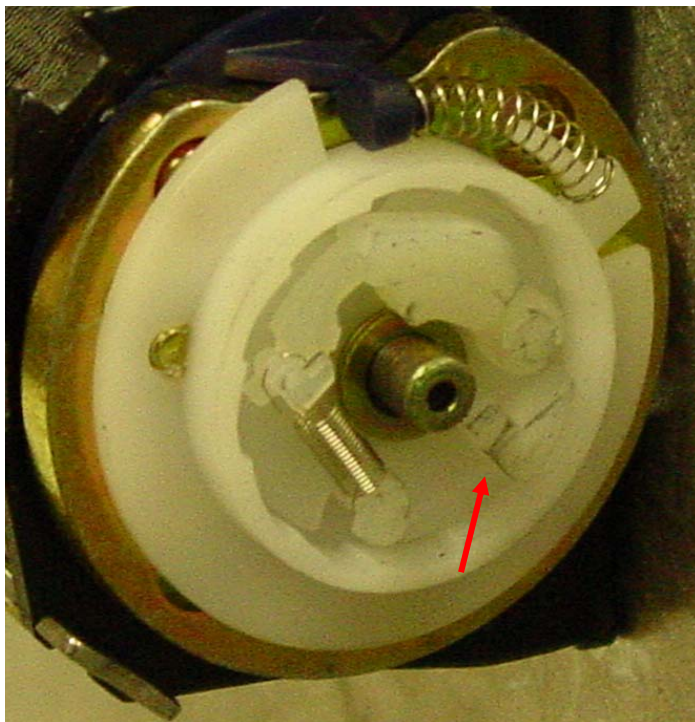
5. Using the T-9 torx driver, remove the screw securing the cover to the harness reel assembly.



6. Remove the two screws securing the locking cable assembly to the harness reel. Carefully remove cable assembly. Be careful not to loose the inertial weight and washers inside the cable assembly.



Inertial weight (left)
Washers (right)



7. Be sure the flat tang on the weight shown above lines up with the flat tang in the reel.

8. Completely remove old cable assembly and reinstall new assembly in the reverse order. When mating the new assembly to the reel first rotate the housing slightly clockwise then rotate counter-clockwise until the locator tabs click into place. This will ensure that the actuator is properly mated with the reel mechanism.
9. Complete assembly and test the reel for proper operation.



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Instruction Sheet for Field Replacement of Inertial Reel

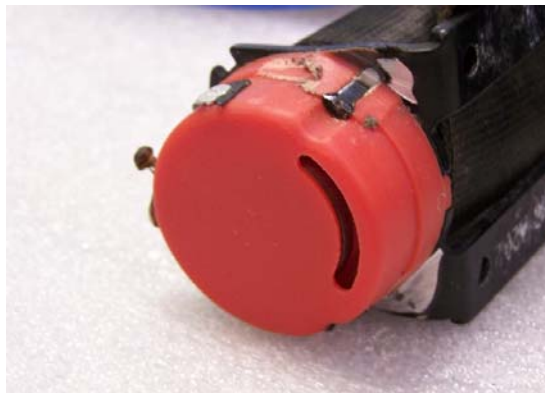
If you have determined that your Reel Harness on the seat is **not extending or retracting** properly due to a failure of the Inertial Reel Mechanism and not due to any problems with the cable, this procedure will guide you in removing the harness straps from the old reel mechanism and install it into a new mechanism. **If your harness straps are ripped or frayed, replace the entire Reel Harness Assembly immediately. It is important that you read these instructions and understand them before you begin.**

1. Remove the entire Reel Harness from the seat. Save all hardware for re-installation. First, remove the Manual Release Lever located on the right-side arm. Remove the back cushion. Separate the cable from the lever and pull it through the backpan. Re-attach the cable to the lever. Remove the Reel Harness from the backpan. Take the Reel Harness off the boat and into a well-lit work area.

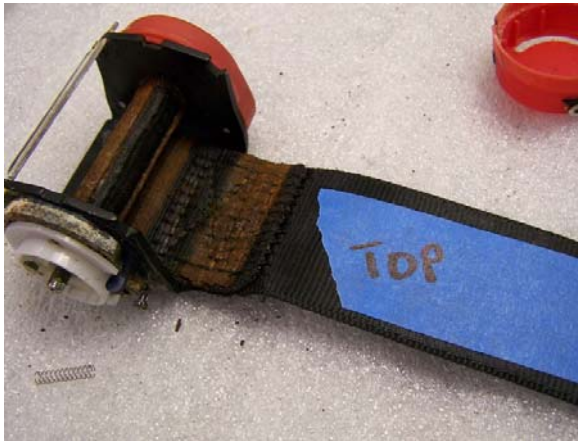


This Reel Harness had completely failed. The cable was missing, the webbing (straps) would not spool out and the screws had rusted. The screws were sanded off and the red cover removed. The corrosion inside prevented the reel from extending but by working the axle shaft, you should be able to extend the strap. Once the strap is extended, the exchange can begin.

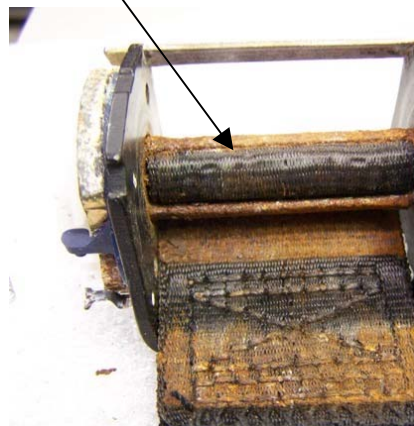
Axle Shaft



2. Place Reel Harness on work bench. The Harness' mounting holes should be down on the bench.
3. If not already removed, remove Cover from Reel Harness.
4. Spool (extend) the harness webbing from the reel. With a piece of tape, mark the top-side of the webbing.



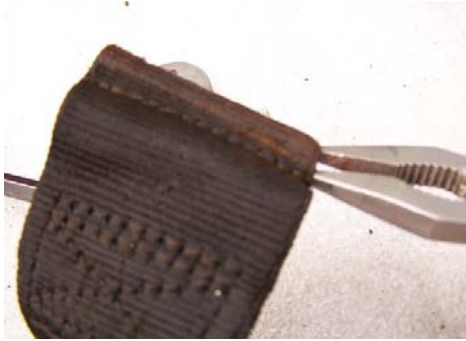
Reel Shaft - top



5. Keeping the webbing spooled out if there is any spring left, can be difficult. Feed the webbing back through the Harness Mounting Bracket before continuing. Carefully push the webbing up from underneath the reel shaft. **Take care not to CUT the webbing!** Once the webbing starts to come out of the reel shaft, pull it out and away so you can access the retaining pin contained in the top of the webbing.



Retaining Pin

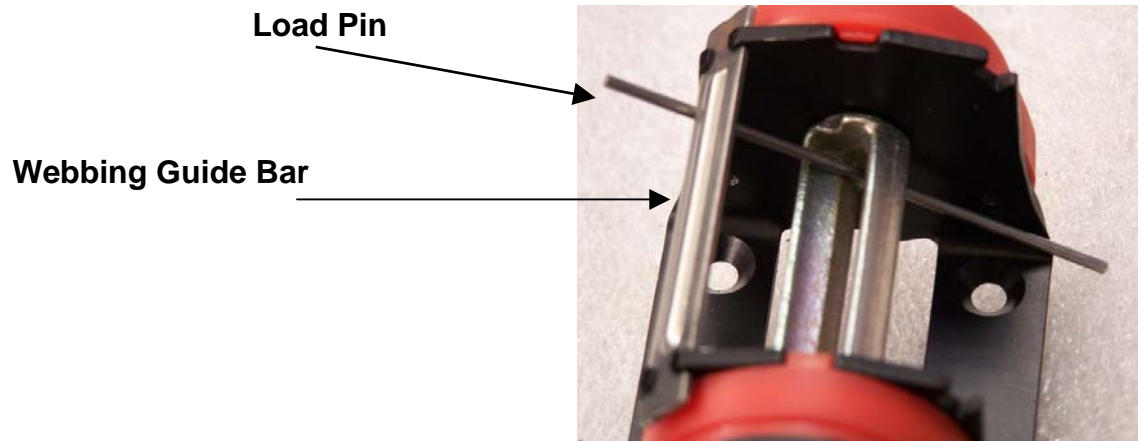


6. With needle-nose pliers, pull retaining pin from webbing.



7. Remove webbing from Reel Shaft.

IMPORTANT NOTE: The following steps MUST be followed closely or the inertia reel could retract without the webbing installed. If this happens, the reel must be returned for rewinding! The Load Pin must not be removed until the webbing has been installed.

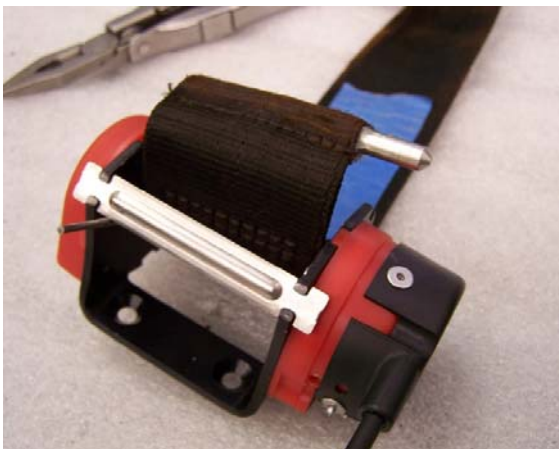




8. Work the webbing into the small slot on the Reel Shaft.



9. Work the webbing through the slot until the end extends enough to allow insertion of Retaining Pin.



10. Install new Retaining Pin (supplied) into end of webbing. Note: A little grease on the pin will help with installation. Pull webbing through the slot and allow the webbing end with retaining pin to settle in the large side of the slot.



11. Remove the Load Pin. Slowly allow the spool to retract the webbing. Guide the webbing as it spools up. Holding the Reel steady on the work surface, extend and retract the webbing fully several times. This will allow the webbing to seat properly and ensures the reel is working properly. With webbing fully extended, LOCK the mechanism and check to see that the reel functions properly when locked.



12. If you are satisfied that the Reel Harness is functioning properly, spray lubricant into holes provided and re-install onto seat. (See attached Instruction Sheets)

If you require any further assistance with these instructions, contact:
Customer Service, 631.477.2400, ext. 135
or e-mail: CustomerService@stidd.com



STIDD Systems, Inc.

220 Carpenter Street • P.O. Box 87 • Greenport, NY 11944 • Tel: 631-477-2400 • Fax: 631-477-1095

CRES Reel Harness Cover Replacement

If the Reel Harness cover is lost, damaged and/or needs to be replaced, order p/n 500-010-020, Reel Harness Replacement Cover Kit.

Kit contains: Reel Harness Cover

#4 x 3/8" Stainless Steel, Philips Pan Head Self-Tapping Screw

1. With old cover removed, position new cover over Reel Harness. Be sure that the cover is flush against Spring Side Cover and Back Pan. Carefully determine the position of the fastening hole that holds the cover in place on the Cable side of the Reel Harness and mark on new cover.
2. Drill a 1/16" hole for the #4 x 3/8" SS self-tapping screw provided.
3. Attach Cover. Once cover is attached, test Reel Harness in locked and unlocked positions to assure that the screw does not interfere with mechanism.

TECHNICAL SUPPORT

For technical support, please call, write or fax as follows:

Contact Customer Service at: **STIDD Systems, Inc.**

Mailing Address: P.O. Box 87

Shipping Address: 220 Carpenter St.

Greenport, NY 11944

Tel: 631-477-2400, ext. 135, **Fax:** 631-477-1095, **e-mail:** CustomerService@stidd.com

All Reel Harnesses and SS Cable Replacement Kits purchased after 6 November, 2008 include the modifications required in this procedure.



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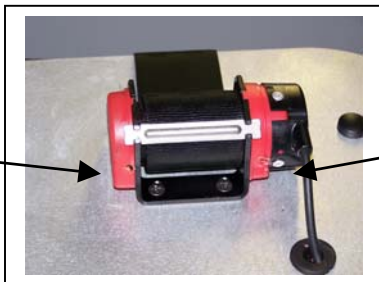
Corrosion Protection in Reel Harness Mechanisms

The following procedure provides Maintenance Personnel with an easy method of displacing water and moisture on the mechanisms within the reel harness.

Step 1: Remove black plastic cover.
Cover is attached with a single #8 torx-head screw.



Spring Side Hole



Inertial Mechanism Side Hole



Step 3: Using WD-40 or similar product, spray the liquid into the spring and inertial mechanism holes under the end caps. Push Applicator tube up into the holes as far as possible. During the application, unlock the reel harness and “work” the harness strap repeatedly to insure the liquid is even-distributed. This will help to keep the reel harness functioning and protected from corrosion due to exposure from the elements. Application could be done at least on a weekly basis and/or upon return from operations to the station.

Following application(s), always re-install cover.



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220 Carpenter St. • P.O. Box 87 • Greenport, NY 11944
Phone: 631-477-2400 • Fax: 631-477-1095

BUCKLE REPAIR INSTRUCTIONS

Tools recommended: Small Forceps (see photos)



Assembly as provided



1. Remove e-clip
2. Pull pin from assembly



3. Place Assembly in Buckle

4. Insert pin through Buckle and Assembly. Be sure to line up “tails” on springs with keyway in pin.



5. Close Buckle and grab pin with forceps.

6. Slowly rotate pin COUNTER-CLOCKWISE until pin's end slips into place.
In re-assembling the buckle, care should be taken not to over-wind the spring. Additional rotations will not allow the cover to completely open 180° without binding up.



7. Install e-clip.

For more information, contact: Jac Citera, STIDD Systems 631 477-2400, ext. 135
jcitera@stidd.com

510-1100-V5-F (Mod2) Pedestal

PROPRIETARY DATA

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The information subject to this restriction is contained on every page of this document.

ZONE	REV	DESCRIPTION	DATE	APPROVED
A		REVISED INSTRUCTIONS FOR 12 SCREW PEDESTAL	2/2/2006	J. CRIMOND

REVISIONS

1

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A technical drawing of a pedestal assembly. The main drawing shows a side view of a cylindrical pedestal with a flared base and a mounting bracket at the top. A circular callout provides a detailed view of the adjustment mechanism, showing a central shaft with six adjustment screws arranged in a circular pattern. Labels point to a 'LOCKING NUT 1/2" WRENCH' and an 'ADJUSTMENT SCREW 1/8" HEX KEY'.

DETAIL A
SCALE 1 : 1

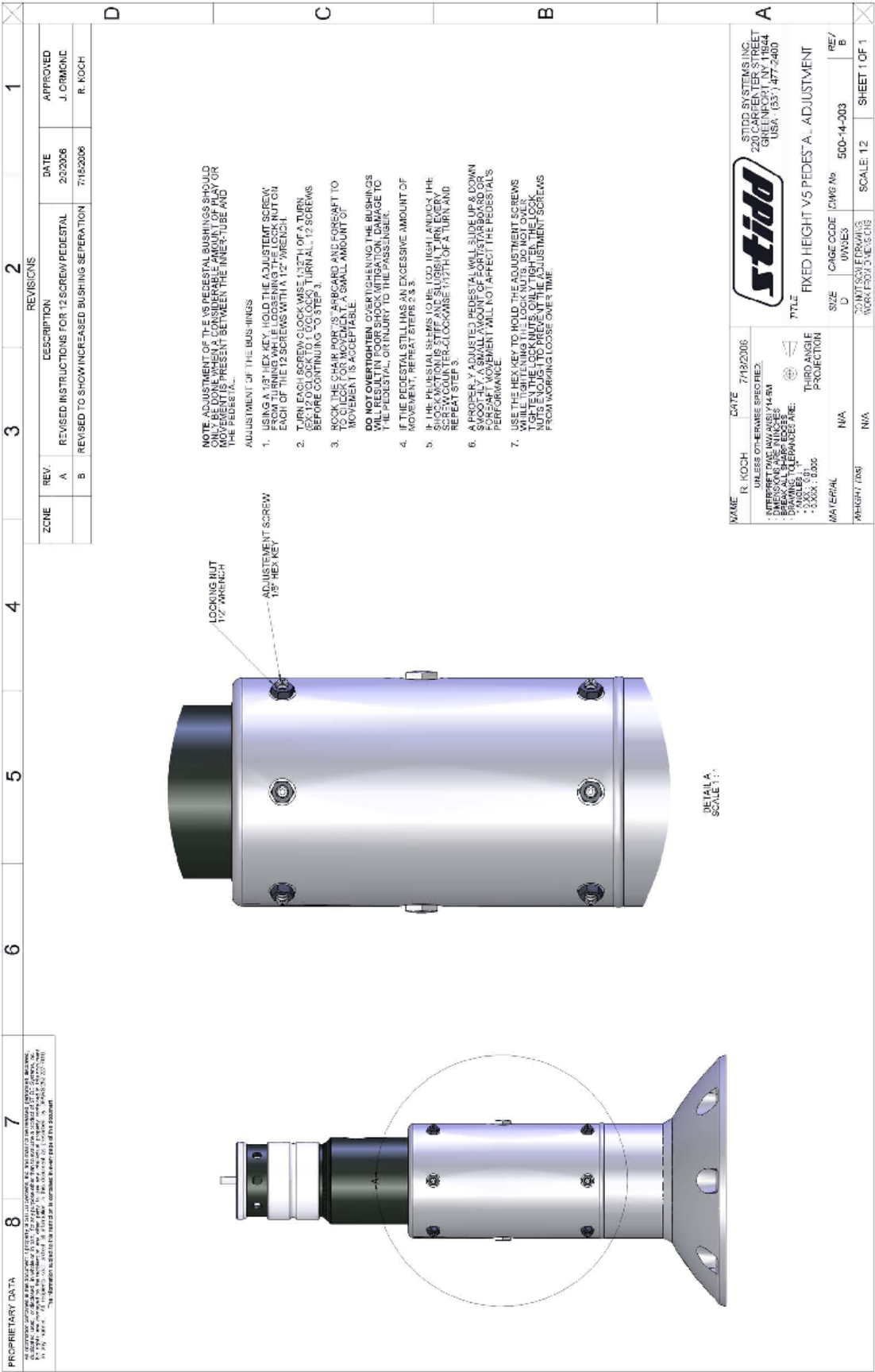
NOTE: ADJUSTMENT OF THE V5 PEDESTAL BUSHINGS SHOULD ONLY BE DONE WHEN A CONSIDERABLE AMOUNT OF PLAY OR MOVEMENT IS PRESENT BETWEEN THE INNER TUBE AND THE PEDESTAL.

ADJUSTMENT OF THE BUSHINGS

1. USING A 1/8" HEX KEY, HOLD THE ADJUSTMENT SCREW FROM THE TOP OF THE PEDESTAL AND TURN IT COUNTERCLOCKWISE UNTIL EACH OF THE 12 SCREWS WITHIN 1/2" WRENCH.
2. TURN EACH SCREW CLOCKWISE 1/12TH OF A TURN. (EX: 12 O'CLOCK TO 1 O'CLOCK). TURN ALL 12 SCREWS BEFORE CONTINUING TO STEP 3.
3. ROCK THE CHAIR PORT/STARBORD AND FORE/AFT TO CHECK FOR MOVEMENT. A SMALL AMOUNT OF MOVEMENT IS ACCEPTABLE.
- DO NOT OVERTIGHTEN.** OVERTIGHTENING THE BUSHINGS WILL CAUSE THE PEDESTAL TO BIND, WHICH MAY LEAD TO THE PEDESTAL OR INJURY TO THE PASSENGER.
4. IF THE PEDESTAL STILL HAS AN EXCESSIVE AMOUNT OF MOVEMENT, REPEAT STEPS 2 & 3.
5. IF THE PEDESTAL SEEMS TO BE TOO TIGHT AND/OR THE SHOCK MOTION IS STIFF AND SLUGISH, TURN EVERY SCREW COUNTERCLOCKWISE 1/12TH OF A TURN AND REPEAT STEP 3.
6. A PROPERLY ADJUSTED PEDESTAL WILL SLIDE UP & DOWN SMOOTHLY. A SMALL AMOUNT OF PORT/STARBORD OR FORE/AFT MOVEMENT WILL NOT AFFECT THE PEDESTALS PERFORMANCE.
7. USE THE HEX KEY TO HOLD THE ADJUSTMENT SCREWS FROM THE TOP OF THE PEDESTAL AND TIGHTEN THE LOCK NUTS. ONLY TIGHTEN THE LOCK NUTS ENOUGH TO PREVENT THE ADJUSTMENT SCREWS FROM WORKING LOOSE OVER TIME.

NAME	R. KOCH	DATE	2/2/2006
UNLESS OTHERWISE SPECIFIED: INTERPRET DWG BY ANSI Y14.5M DIMENSIONS ARE IN INCHES UNLESS INDICATED OTHERWISE BREAK ALL SHARP EDGES • ANGLES • • DIA. • • XXX ± .005			
THIRD ANGLE PROJECTION			
MATERIAL	N/A	SIZE	D
WEIGHT (lb)	N/A	CAGE CODE	0W5E3
DONOT SCALE DRAWING		DWG No.	500-14-003
		SCALE	1:2
		SHEET	1 OF 1
STIDD SYSTEMS INC. 220 CARPENTER STREET GREEN CRYSTAL NY 13044 USA (516) 477-2400			
stidd			
TITLE FIXED HEIGHT V5 PEDESTAL ADJUSTMENT			

510-1100-V5-F (Mod3) Pedestal





STIDD Systems, Inc.

**220 Carpenter Street • P.O. Box 87 • Greenport , NY 11944 • Tel: 631-477-2400 • Fax: 631-477-1095
Made in U.S.A.**

MODEL 510-V205 DECK TRACK SYSTEM

INSTALLATION AND OPERATION INSTRUCTIONS

The 500 Series deck Track system represents ultimate mobility in the marine environment. To fully utilize its features, it is recommended that you become familiar with the installation and operation of the system.

INSTALLATION:

Position the Deck Track unit with the black Foot Tread facing forward, with the longer leveling feet on the outboard side and the shorter feet on the inboard side. Depress the black Release Bar and move the Slide Carriage all the way forward until it partially covers the Foot Tread, exposing the bolt circle for mounting the Deck Track unit to the existing deck riser. Secure the Deck Track housing to the existing deck riser with the appropriate fastening hardware. Be sure that the mounting hardware does not interfere with the normal movement of the slide Carriage. After securely fastened, adjust the Leveling Feet, adjust the Leveling Feet to keep the mounting plate flat, as well as to give the plate support on all outside corners. Be certain that the Locking Nuts are tightened after adjusting the Leveling Feet.

See the Installation Diagram

Warning: Failure to properly adjust the Leveling Feet could result in metal fatigue or failure and personal injury.

OPERATION:

Depress the Foot Bar down fully to release the Slide Carriage Locks and move the seat forward or back. Be sure that the seat locks into the desired position by applying a brief fore and aft force prior to use. A positive latching sound should be heard.

MAINTENANCE:

Generally, no maintenance is required; however, periodically inspect Deck Track System for movement between the rails and carriage. Some slight wear is expected under normal use. If slide Carriage becomes loose, discontinue use until adjustments are made.

See the Adjustment instruction page.

STIDD Systems, Inc. assumes no liability for any bodily injury or damages resulting from the use or operation of its products.

46

INSTALL CARBONIZE PLATE ASSEMBLY
WITH 20 TORX DRIVE TORX GLUE END
UNDER RAIL AND POSITION WHEEL.



SIZE : 34.5x100cm DWG No : PH-0013
 DO NOT SCALE DRAWING
 SCALE : 1:1
 SHEET 2 OF 2

PROPRIETARY DATA

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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	PRELIMINARY RELEASE	09SEP03	C.MAROTTA

Adjustment instructions

- Adjust 1 side at a time.
- Use a 1/2" wrench to loosen 2 locking screws on the side of the carriage.
- Use a 1/2" wrench to turn the 2 adjusting screws on the top of the carriage clockwise, until the movement between the rails and carriage is gone. Tighten the locking screws on the side of the carriage. Repeat on the other side.
- Do not over tighten the adjusting screws. Usually 1/6 of a turn is sufficient.
- Check for proper movement and locking.
- Tighten all the locking screws on sides of carriage.

NAME C.MAROTTA	DATE 09SEP03	STIDD SYSTEMS INC. 220 CARPENTER STREET GREENPORT, NY 11944 USA • (831) 477-2400
APPROVAL —	DATE —	stidd
<p>PARALLEL INSTRUCTIONS:</p> <ul style="list-style-type: none"> • INTERPRET DIMS AND ANNOTATIONS USING OTHER SYMBOLS AND DIMENSIONS ARE IN INCHES • BREAK ALL SHARP EDGES • DRAWING TOLERANCES ARE: <ul style="list-style-type: none"> ⇒ ANGLES: ±1° ⇒ DIMS: ±.001 ⇒ DIMS: ±.005 		<p>TITLE</p> <p>ADJUSTMENT DIAGRAM, DECK TRACK SYSTEM</p>
MATERIAL: —	CAG CODE 0W5E3	SIZE B
WEIGHT (lbs): —	DWG NO. V205-T	REV 1
SCALE —		REV 1



STIDD Systems, Inc.

220 Carpenter Street • P.O. Box 87 • Greenport , NY 11944 • Tel: 631-477-2400 • Fax: 631-477-1095

USCG Deck Track System Assembly P/N: 570-1-530-47

Refer to DWG No. 570-1-530-47, page 1 of 2

Reference #	Part Number	Description	Qty. required
2	570-2-532	Deck Track System, Deckplate Weldment	1
3	570-3-538	Deck Track System, Rail Spacer	2
4	570-3-539	Deck Track System, Rail	2
5	570-3-549-L	Deck Track System, Stop Block, Left	2
6	570-3-549-R	Deck Track System, Stop Block, Right	2
7	560-3-070-DT	Deck Track System, Foot Tread	1
8	V01/031C125SH	5/16"-18x1.25" Socket Head Cap Screw	14
9	V02/325x560x060	.325"x.560"x.060" Washer, SS	14
10	V04/31CNNES	5/16"-18 NYLock Nut, SS	14
11	V01/010F050SHFH	10-32x.50" Socket Head Flat Head, SS	8
12	V05/3585-6CN-0375	3/8"-16 x .375" Locking Helicoil	4
13	V14/DP-.750x1.50-B	3/4" x 1 1/2" End Cap, Black	4
14	V15/SF-037G200	Stock 3/8"-16 x 2" Swivel Foot, 1.25" Dia., SS	2
15	V15/SF-037C200	Inboard Leveling Screw Modification	2

Refer to DWG No. 570-1-530-47, page 2 of 2

1	570-2-535	Deck Track System, Carriage Plate Weldment	1
2	570-3-546	Deck Track System, Glide Pad	4
3	570-1-537	Deck Track System, Gravity Bar Assy	2
4	570-1-547	Deck Track System, Release Bar Assy	1
5	570-3-543	Deck Track System, Plunger Stop	2
6	570-1-540	Deck Track System, Detent Assy	2
7	570-3-550	Deck Track System, Axle Bolt	4
8	570-3-544	Deck Track System, Wheel	4
9	V01/031C075HH	5/16"-18 x .75" Hex Head Bolt, SS	4
10	V01/031C100HH	5/16"-18 x 1.00" Hex Head Bolt, SS	4
11	V02/325x560x060	.325" x .560" x .060" Washer, SS	8
12	V03/390x875x060B	.390 x .875" x .060" Plastic Washer	2
13	V03/515/1.50/030	.515" x 1.50" x .030" Flat Washer, Black	4
14	V04/50CFNNES	1/2-13 Nylon Insert Locking Nut, SS	4
15	V05/3585-5CN-0312	5/16"-18 x .312" Locking STI (Helicoil)	2
16	V04/31CNNES	5/16"-18 NYLock Nut, SS	8
17	V02/270x500x060	.270" x .538" x .078" Washer, SS	8
18	V03/322x538x078-LW	.322" x .538" x .078" Lock Washer, SS	8
19	V02/500x1.250x060	.500" x 1.250" x .060" Washer, SS	8
20	V07/CLS-0518-3	5/16"-18 PEM NUT, SS	8

Contact STIDD for current PARTS pricing.



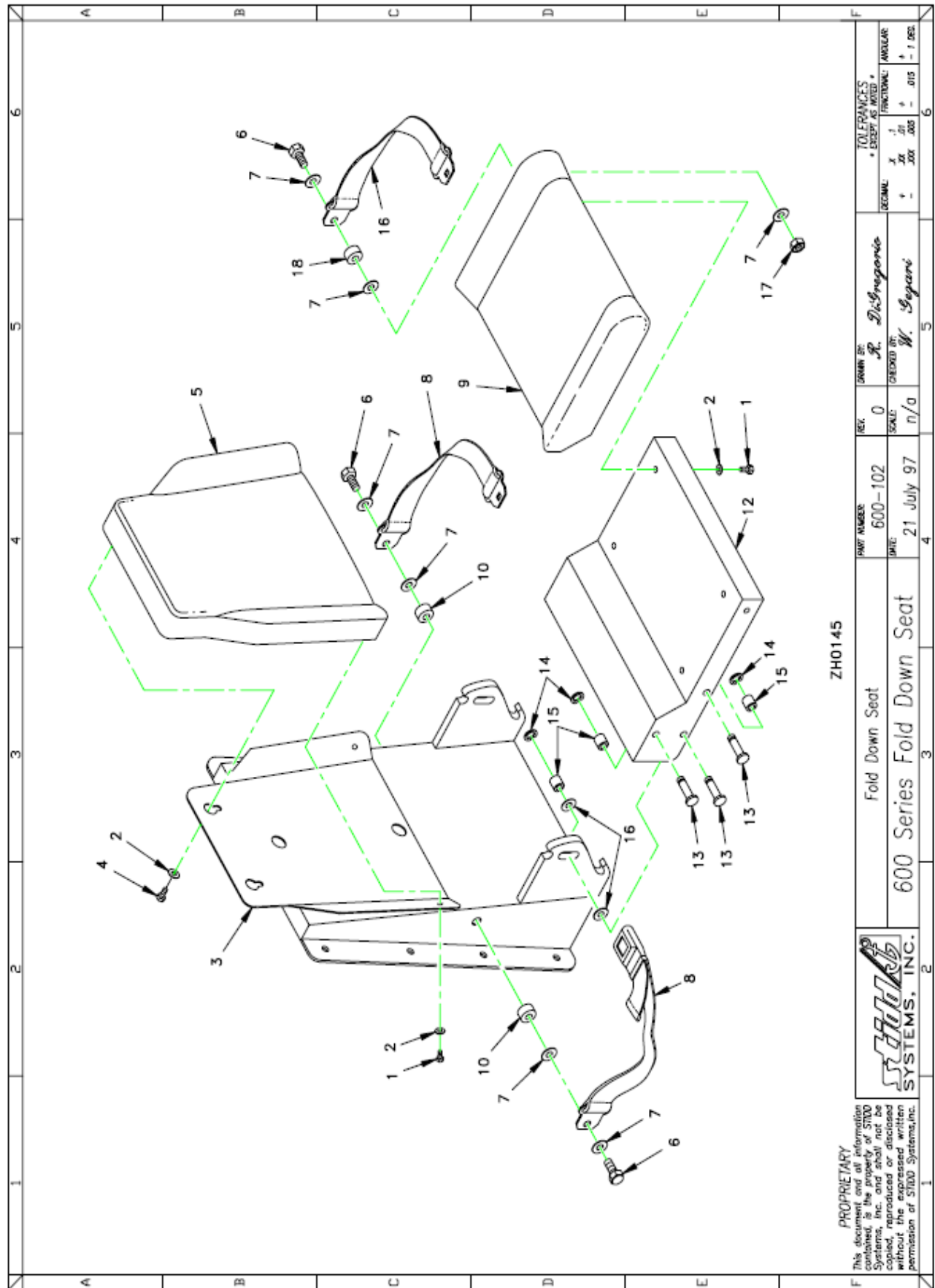
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Made in U.S.A.

Series 600, 600L & 700 Seats

Diagrams and Parts' Lists for Series 600, 600L & 700 Seats



ZH0145

PROPRIETARY

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Fold Down Seat

600 Series Fold Down Seat

REV. 0

DATE 21 July 97

SCALE n/a

DESIGNED BY W. Segani

CHECKED BY

DRAWN BY R. DiGregorio

TOLERANCES * EXCEPT AS NOTED *		
DECIMAL	FUNCTIONAL	ANGULAR
± .000	± .01	± 1 DEG.
± .005	± .015	± 1 DEG.

Series 600 & 600L Seat Operation:

When the Series 600 seat is in the DOWN position, rotate the seat UP 90° and press down to lock seat in place when required. To stow the seat, lift and allow to rotate 90° down.

Series 700 Seat Operation:

Reach under seat and pull the black T-handle while lifting or lowering seat to desired height.

Reference #	Part Number	Description	Qty. required
1	V01/014C075STXPH	#14x.75 Self-Tap. Phil. Pan Head, SS	6
2	V02/270x500x060	.270x.500x.060 Flat Washer, SS	8
3	610-2-012	Seat Mount Weldment	1
4	V01/014C100STXPH	#14x1.00 Self-Tap. Phil. Pan Head, SS	2
5	U/610-7048	Upholstery, Backrest, 600 & 700 Series Chairs	1
6	V01/037C125HH	3/8-16x1.25 Hex Head, Fully Threaded, SS	2
7	V02/390x625x060	.390x.625x.060 Flat Washer, SS	4
8	V15/890-751	CRES Lap Belt Assembly, 43"	1
9	U/610-7040	Upholstery, Seat Cushion, 600 Series Chair	1
10	610-3-028	Seat Belt Mounting Spacer	2
12	610-2-002	Seat Pan Weldment	1
13	810-3-025	Seat Mount Center Pin	6
14	V08/RRE-050	.500 "E" Style Retaining Ring, SS	6
15	V06/MSI-0810-08	1/2" x 5/8" x 1/2" Sleeve, Bushing	6
16	V03/629x1.50x030B	.629x1.50x.030 Flat Washer, Black Delrin	4
16*	V15/890-752	CRES Lap Belt Receiver End	1
17*	V04/37CNNES	3/8-16 Nylon Insert Locknut, SS	1
18*	V06/MSI-0608-08	3/8" x 1/2" x 1/2" Sleeve, Bushing	1
Not Shown	V09/QRP-025x100	.250 x 1.00 Quick Release Pin, T-Handle, SS	1
Not Shown	V11/S-890-070	Cable Assembly W/Tab, SS	1
* - Used only on p/n 600-102L seat Also add following for p/n 600-102L			
6	V01/037C125HH	3/8-16x1.25 Hex Head, Fully Threaded, SS	1
7	V02/390x625x060	.390x.625x.060 Flat Washer, SS	2

Contact STIDD for current PARTS pricing.

700 Series - Bolster Seat, Part No. 700-101 Refer to drawing of same name!			
Reference #	Part Number	Description	Qty. required
1	710-2-002	Seat Carriage Weldment	1
2	810-1-070	Detent Pin Assembly	1
3	710-3-018	Slide Block	4
4	V15/890-751	CRES Lap Belt Assembly, 43"	1
5	V08/RRX-100	1.00 External Retaining Ring, SS	1
6	710-2-010	Seat Mount Weldment	1
7	710-1-014	Detent Strip Sub-Assembly	1
8	U/710-7-030	Upholstery, Seat Cushion, 700 Series Chair	1
9	U/610-7048	Upholstery, Backrest, 600 & 700 Series Chairs	1
10, 12	V04/25CNNES	1/4"-20 Nylon Insert Locknut, SS	14
11	V02/270x500x060	.270"x.500"x.060" Flat Washer, SS	22
13	V01/025C162HH	1/4"-20 x 1.62" Hex Head, Partial Thread, SS	8
14	V01/037C100HH	3/8"-16x1.00" Hex Head, SS	2
15	V02/390x625x060	.390"x.625"x.060" Flat Washer, SS	4
16	V03/500x875x060	.500"x.875"x.060" Flat Washer, Nylon	4
17	V06/MSI-0608-04	3/8"x1/2"x1/4" Sleeve, Iglide M250	2
18	V04/37CNNES	3/8"-16 Nylon Insert Locking Nut, SS	2
19	V01/014C075STXPH	#14x.75 Self-Tap. Phil. Pan Head, SS	2
20	V01/014C100STXPH	#14x1.00 Self-Tap. Phil. Pan Head, SS	2

Contact STIDD for current PARTS pricing.

STIDD Systems, Inc. assumes no liability for any bodily injury or damages resulting from the use or operation of its products.

TECHNICAL SUPPORT

For technical support, please call, write or fax as follows:

Manufactured by: STIDD Systems, Inc.

Mailing Address: P.O. Box 87

Shipping Address: 220 Carpenter St.

Greenport, NY 11944

Contact: Customer Service

Tel: 631-477-2400, ext. 135

Fax: 631-477-1095

e-mail: CustomerService@stidd.com

