

SERIES 500

500N & 500W

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS



STIDD Systems, Inc.

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Made in U.S.A.



SUGGESTED INSTALLATION, OPERATION, & MAINTENANCE INSTRUCTIONS

A NOTE TO OUR VALUED CUSTOMERS: All Series 500 & 500N seats are packaged in smaller cartons for shipment via United Parcel Service (UPS). As a result, the Footrest Assembly must be bolted on, the two Backrest Gas Springs and the two Backrest Lock Handles must be attached by the Installer. If you should experience any difficulty during installation, please call Collect 631-477-2400 ext. 135 for assistance. Thank You.

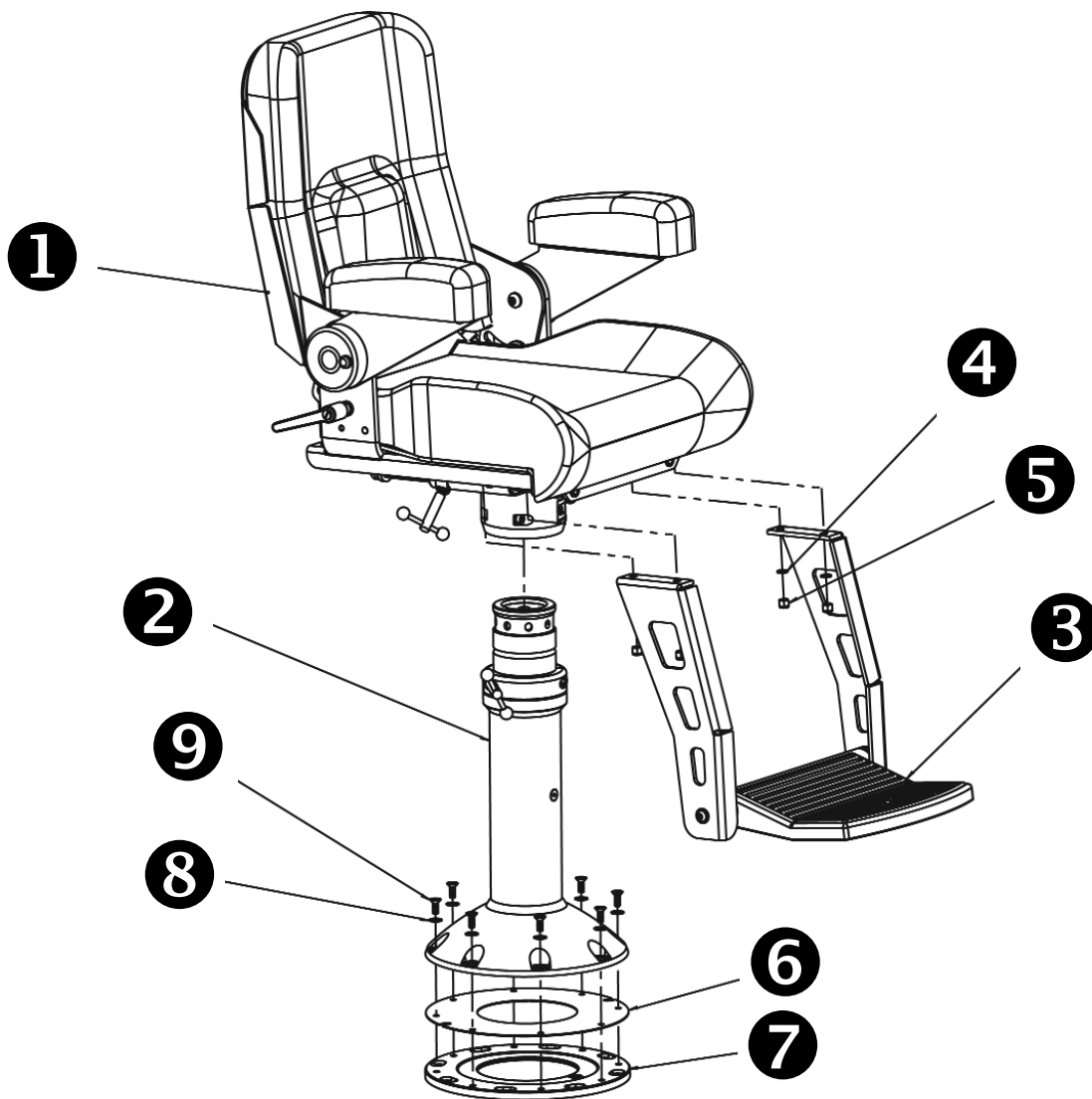
1. Inspect Contents:

Carefully remove the packaging materials from the box. 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.



PLEASE NOTE: Some variation in packaging is normal.
ie: Chrome package seats ship in two boxes (1) seat box, (1) pedestal box.
Power Rotation seats ship crated (pre-assembled) etc.

Seat options such as cupholders and covers may ship in separate boxes -
please inspect contents carefully and check your packing list.



Description:	Qty:	Used in:
1 Seat Assembly	1	
2 Pedestal Assembly	1	
3 Footrest Assembly	1	
Seat Hardware		
4 V02/390x625x60 Stainless Steel Washer	4	Footrest Assembly
5 3/8"-18 SS Nylock Nut	4	Footrest Assembly
Backrest Locking Handle Assembly (see pg. 3)	2	Backrest Assembly
Backrest Gas Spring (see pg. 3)	2	Backrest Assembly
5/16"-18 x 2" SS Socket Head Cap Screw	1	Seat Assembly (anti-removal bolt) & Washer
Pedestal Isolation Kit		
6 Isolation Gasket	1	Place between pedestal and deckplate
7 Deckplate	1	
8 5/16" Teflon Washer	8	Pedestal Attachment Screw
9 5/16"-18 x 7/8" SS Flat Head Socket Hd Screw	8	Pedestal to Deckplate Attachment
"Tef-gel" Anti-Seize Compound, Tube	1	Pedestal Attachment Screw

Standard Hardware Kit



Pedestal Mounting Bolts (8) (5/16 x 18 x 7/8 Flat Head Socket Head SS
Nylon Isolation Washers (8))

Footrest Mounting Hardware (4) Nylock Nuts and (4) Stainless Steel Washers

Backrest Recline Gas Springs (2)

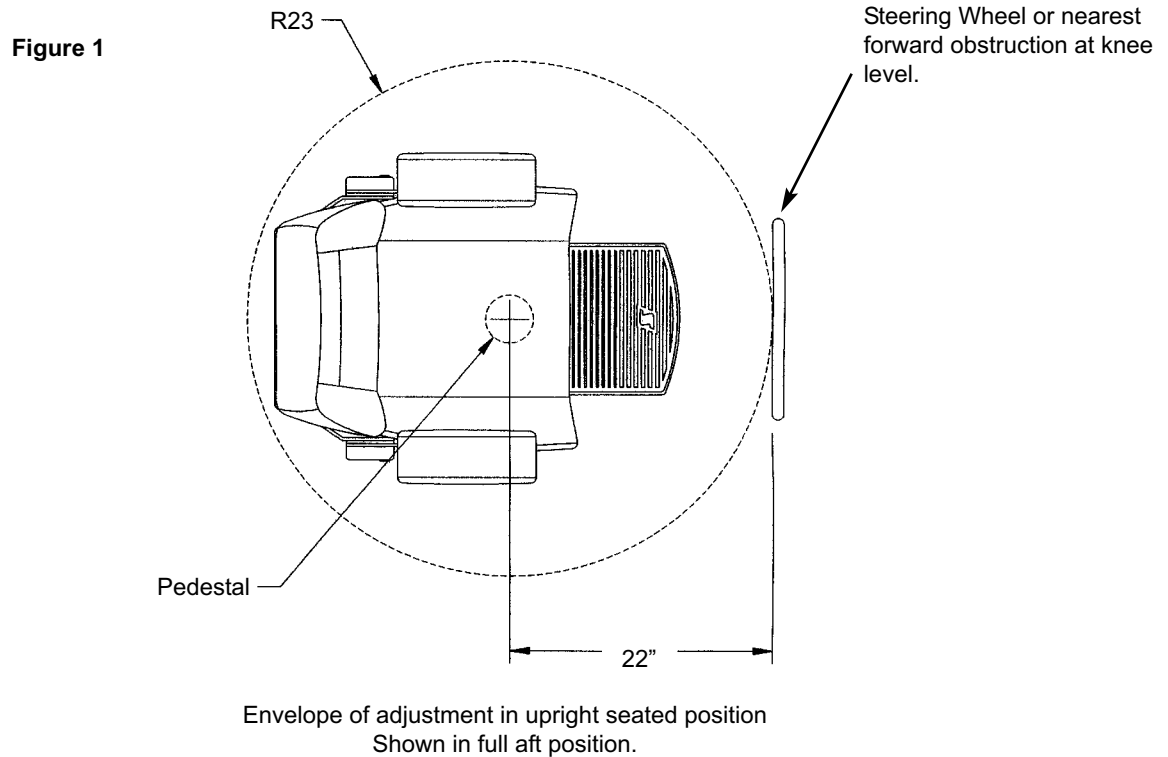
Backrest Recline Handle Assemblies (2)

Anti-Removal Bolt (1)

Tef-Gel
&
Applicator

2. Placement Planning:

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



3. Mount Deck Plate: (see Figures 1 & 2)

Remove the pedestal assembly and deck plate from the box. Determine the correct mounting location and provide suitable foundation. The deck plate must first be positioned and properly through bolted to the deck. Install the Deck Plate with the arrow **FACING FORWARD**.

The front and rear 5/16" tapped holes should create a line parallel to the center line of the boat.

For 9-inch diameter base pedestals (M-style) see page 13.

4. Attach Pedestal: (see Figure 2)

DO NOT open pedestal vertical height clamp until seat is mounted on pedestal. Once the deck plate is secure, position the pedestal with the stainless steel guide screw, (midway up the pedestal), facing FORWARD.

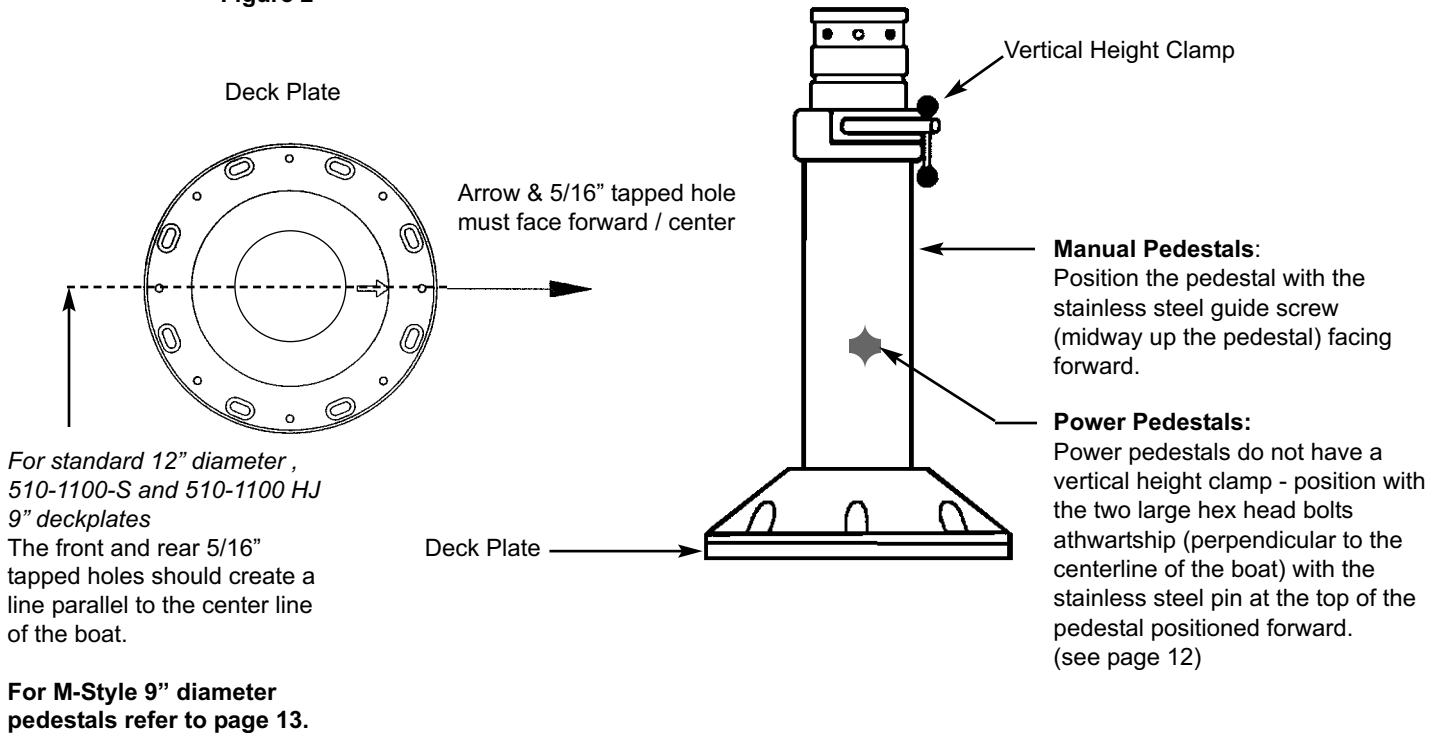
Place the eight (8) 5/16" flat nylon washers on the eight (8) 5/16"-18x 7/8" stainless steel flat head socket head cap screws. Apply "Tef-gel" anti-seize compound (included), to the eight 5/16"-18 X 7/8" stainless steel flat head socket head cap screws provided, and bolt the Pedestal into place.

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

POWER PEDESTALS:

Power pedestals do not have a vertical height clamp - **position with the two large hex head bolts athwartship** (perpendicular to the centerline of the boat) with the stainless steel pin at the top of the pedestal positioned forward. (see page 12)

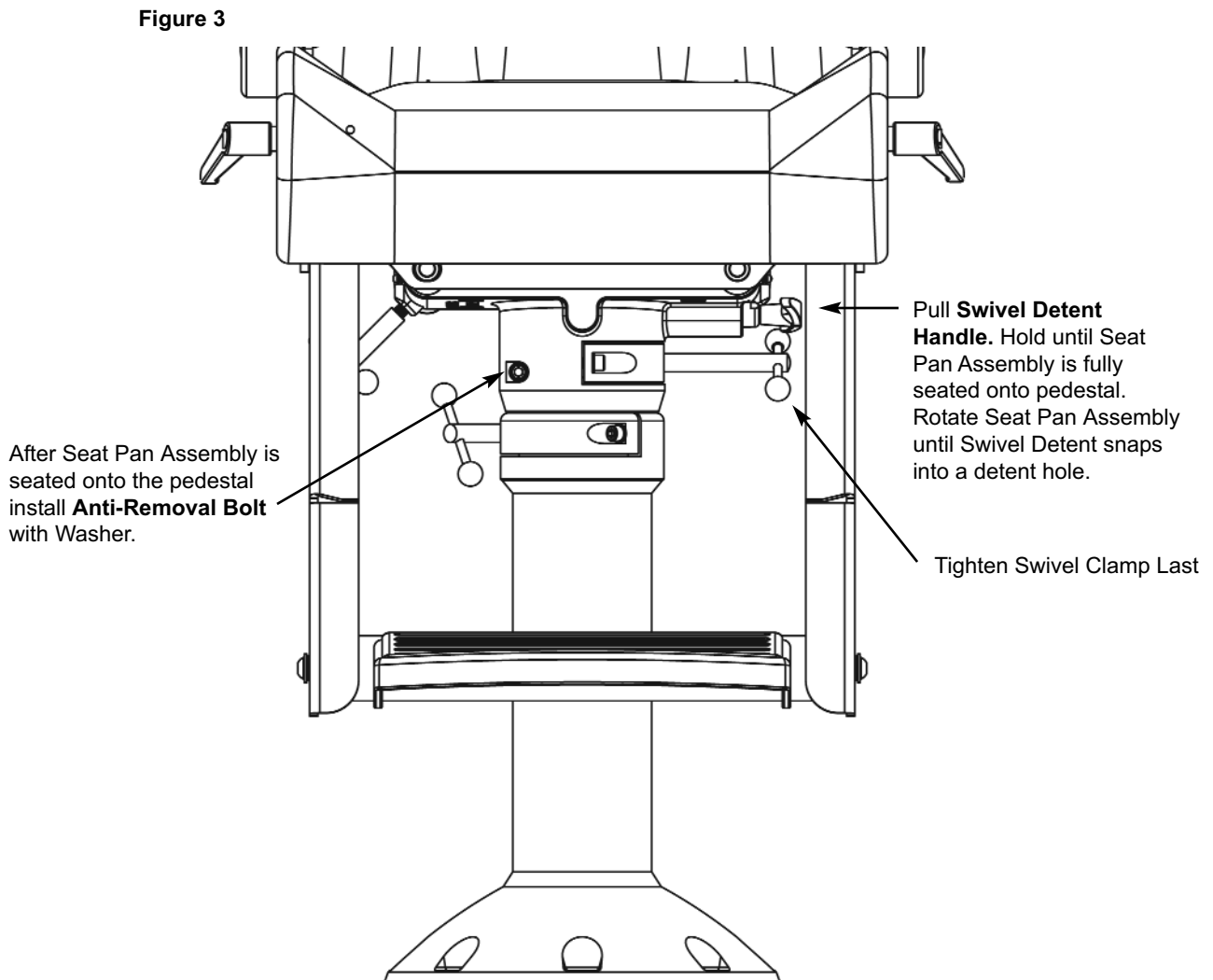
Figure 2



5. Install Seat: (see Figure 3)

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 tef-gel to the the Anti-Removal Bolt (5/16-18 x 2" stainless steel socket head cap screw and washer). Insert and tighten. Tighten swivel clamp. (See Figure 3).



6. Install Footrest Assembly: (see Figure 4)

The footrest assembly is pre-assembled.

Footrest hangers mount underneath the seat pan.

Use the (4) 5/16-18 lock nuts provided, install the footrest assembly as shown.

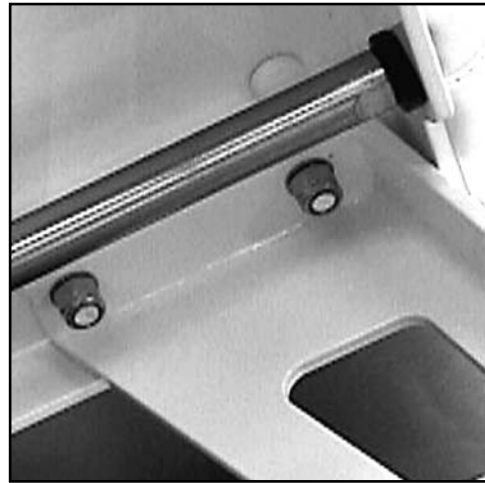
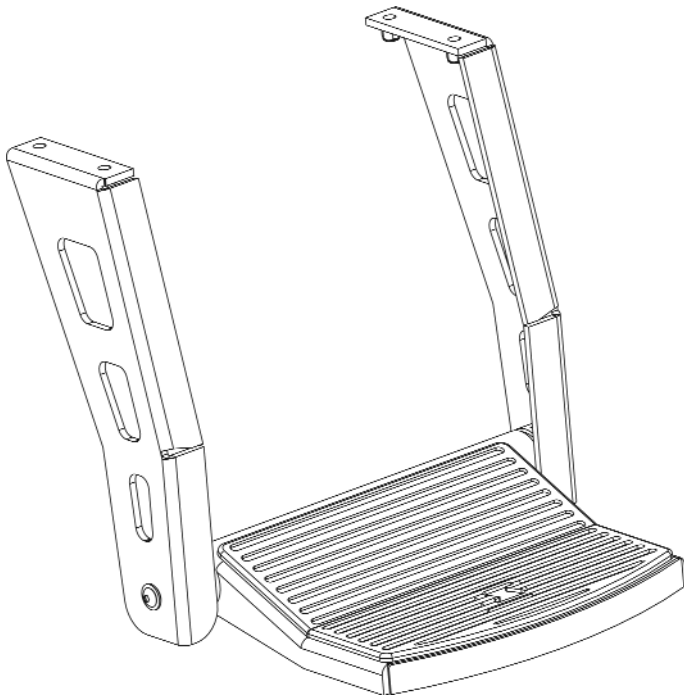


Figure 4



*To fold the X-2 Footrest down or up,
simply move to desired position angle with foot.*

7. Install Backrest Gas Springs: (see Figure 5)

Install the 2 gas springs (**SHAFT END FACING DOWN**) by pushing the end clips onto the ball studs.

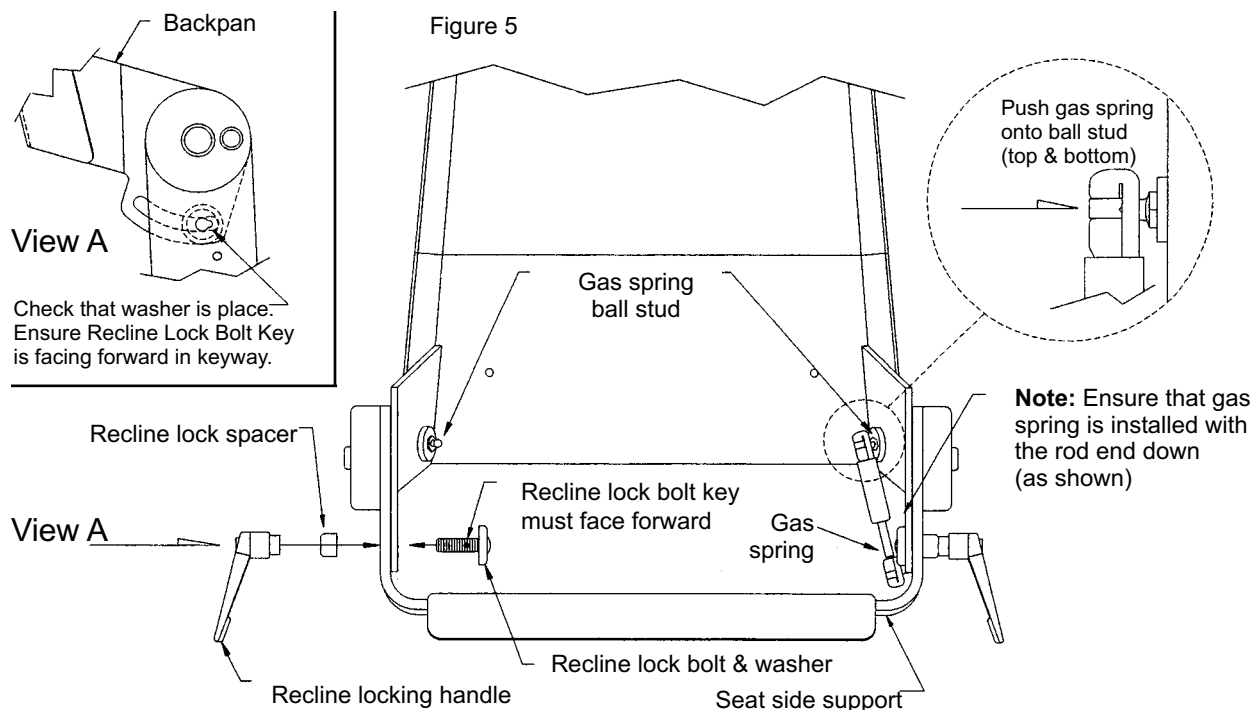
8. Install Backrest Hardware: (see Figures 5)

Rotate the Backrest up to the upright position.

Disassemble the Backrest Locking Handle Assembly (from hardware packet) 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.

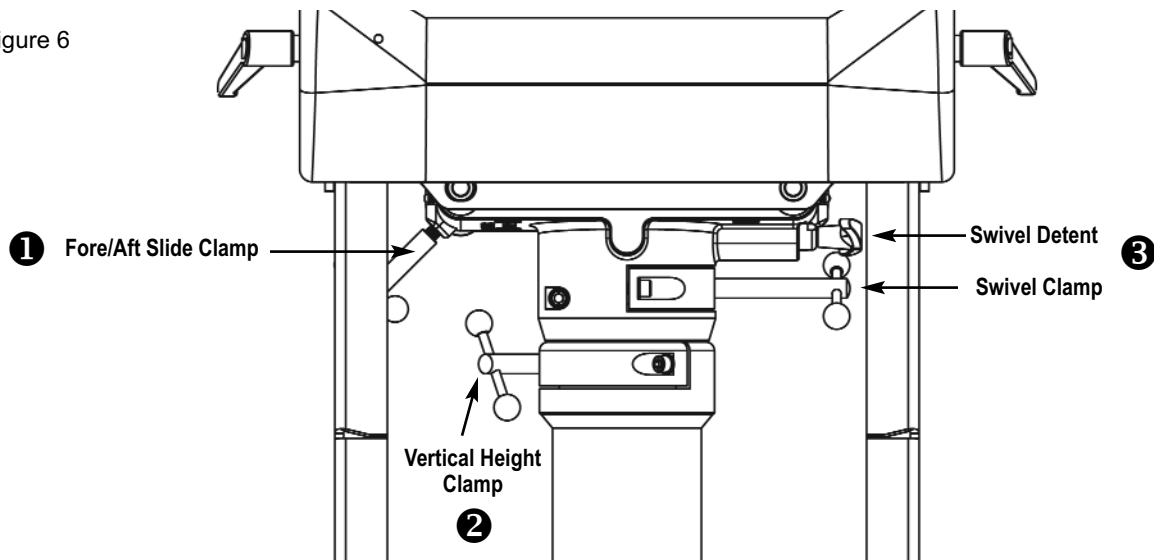


Upholstery removed for clarity.

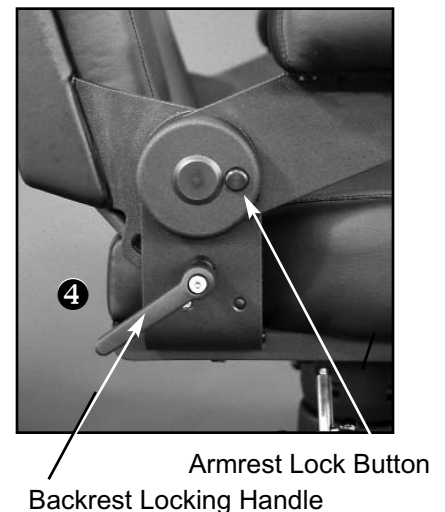
9. Manual Seat Adjustments: (see Figure 6)

- **TO MOVE FORE-AFT:** ❶ loosen the seat slide clamp and position seat as desired. Tighten seat slide clamp securely.
- **TO RAISE OR LOWER THE SEAT:** ❷ Unless you have ordered a Power Pedestal, seat Occupant must vacate the seat before adjusting vertical height. Loosen the vertical height clamp. Seat will rise upwards on counterbalancing gas spring. When seat is at desired level, tighten vertical height clamp securely. Failure to tighten vertical height or other seat clamps may result in unwanted seat movement due to certain boat motions.
- **TO ROTATE THE SEAT:** ❸ Loosen the swivel clamp then pull the swivel detent handle and rotate the seat to the desired position. Release the swivel detent handle to allow the swivel detent to seat into a detent hole. Tighten the swivel detent clamp securely after adjustment to provide maximum seat stabilization.

Figure 6



- **TO RECLINE THE BACKREST,** ❹ 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 to desired position, and releasing.)
- **TO RAISE ARMREST,** ❹ 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.



10. Other Options:

If your seat was ordered with a CRES Seat belt, Part No. 510-1001-2, it will be shipped with seat belt hard points and lap belt installed.

11. 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:

UPHOLSTERY: Your STIDD seat upholstery is covered with weather-resistant marine materials. Keep it clean by immediately wiping off any stains, blood, oil, etc. For extra outdoor protection, a fitted cover (P/N 510-106 etc.) is recommended.

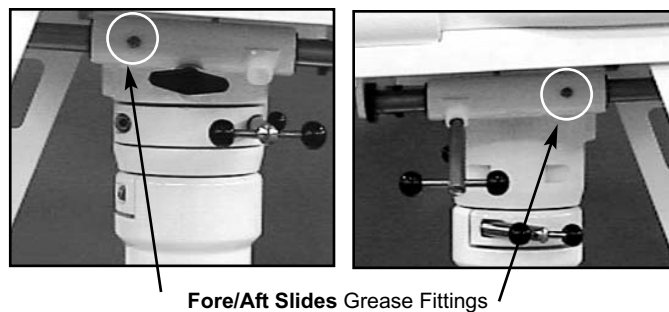
1) Naugahyde (vinyl) cleaning instructions: Depending on the stain you are trying to remove, first wash with warm soap and water. Then try mild detergents such as Windex, Top Job, or Fantastik. Then try Soft Scrub. Then try Paint Thinner, wiped on and off quickly. Treat periodically with a preserver such as 303 Aerospace Protectant.

2) UltraLeather (polyurethane) cleaning instructions: Depending on the stain you are trying to remove, first wash with warm soap and water. Then try mild detergents such as Windex, Top Job, or Fantastik. Then try Soft Scrub. Then try Paint Thinner, Lacquer Thinner, and Acetone, in that order, wiped on and off quickly. No additional care is necessary.

LUBRICATION: (see Figure 8) Periodically pump Super-Lube brand teflon grease or Lubriplate into grease fittings located on the Fore/ Aft Slides (2). **DO NOT OVERFILL.**

NOTE: POWER SEATS DO NOT REQUIRE LUBRICATION.

Figure 8



DISASSEMBLY: To remove a Backrest Gas Spring for any reason, pry away the black metal "U" clip from the gas spring tip and pull the tip away from the ball stud mounted on seat frame.

CUSHION REPLACEMENT: To replace a cushion, gently pry the colored plastic screw covers off the clear plastic skirts and remove screws.

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 Street
Greenport, NY 11944	
Contact:	STIDD Customer Service
Tel:	631-477-2400 X 135
Contact:	STIDD Engineering
Tel:	631-477-2400 X 122
Fax:	631-477-1095

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.

U.S. and Foreign Patents and Trademarks Pending and Issued.

INSTALLING POWER SEATS

If your Stidd seat was ordered with a Power Pedestal and/or Power Fore/Aft Module please refer to the following.

12VDC

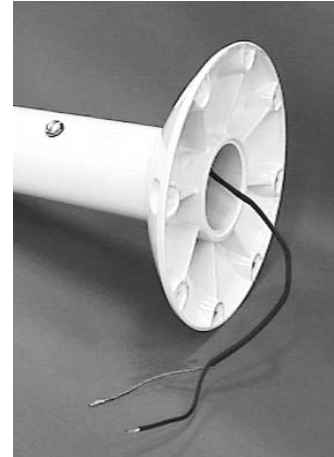
Electrical Requirements: 12vdc/ 15 amp maximum load.
Fuse with 20 Amp circuit breaker.

24VDC

Electrical Requirements: 24vdc/ 8 amp maximum load.
Fuse with 10 Amp circuit breaker.

Installation instructions:

1. Connect leads from pedestal base to power supply.
Red wire is positive (+),
Black wire is ground (-).
2. Mount pedestal to deck plate with 3/8 pin in top of pedestal facing front, taking care not to crush power supply wires between pedestal and deck mounting plate.
3. Place seat on pedestal, routing wires through the center of the swivel casting, over the fore-aft slides, to the left side of the seat.
4. Connect power pedestal plug to switch harness.



IMPORTANT MOUNTING INSTRUCTIONS FOR 9" DIAMETER PEDESTALS & DECKPLATES

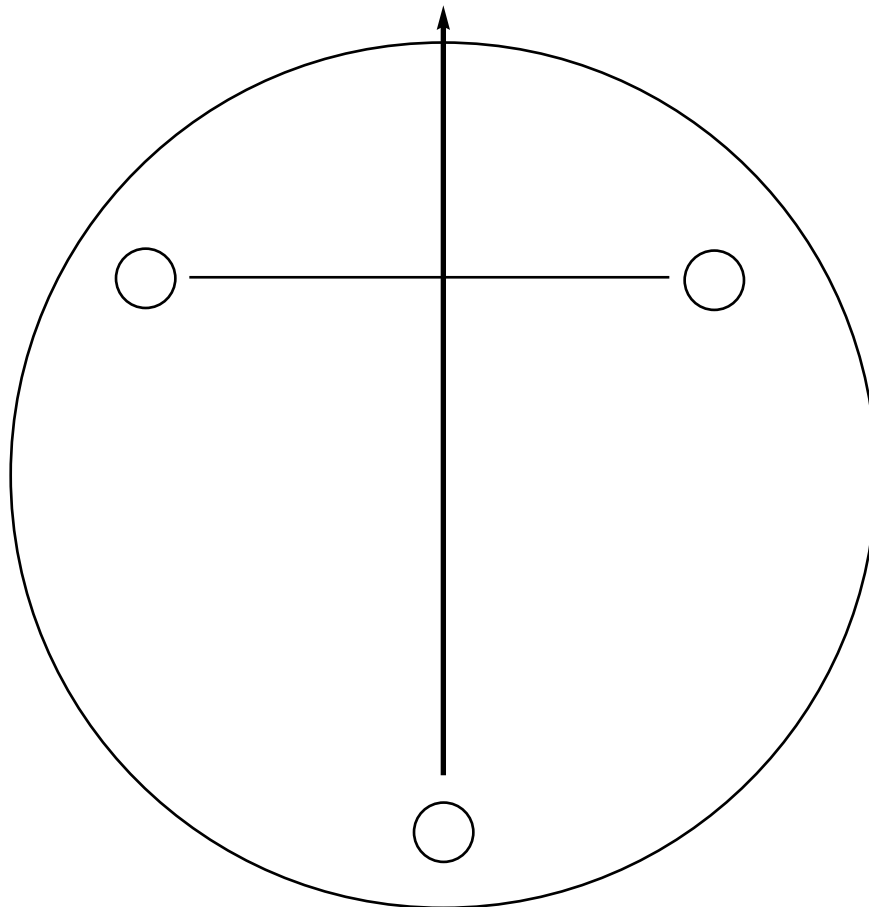
Please note: STIDD seat orders with 9" diameter base M-style pedestals,
DO NOT SHIP WITH A DECKPLATE.

These pedestals are designed to mount using the existing deckplate on your boat. HOWEVER, some installation work may be involved depending on how the deckplate is installed.

STIDD Seats swivel and lock every 45 degrees, and therefore must be mounted with two mounting holes athwartship. (perpendicular to the centerline of the boat)

If the deckplate is mounted incorrectly the seat will not face forward once installed.

If you require a 9" diameter M-style deckplate - order p/n 510-1-172



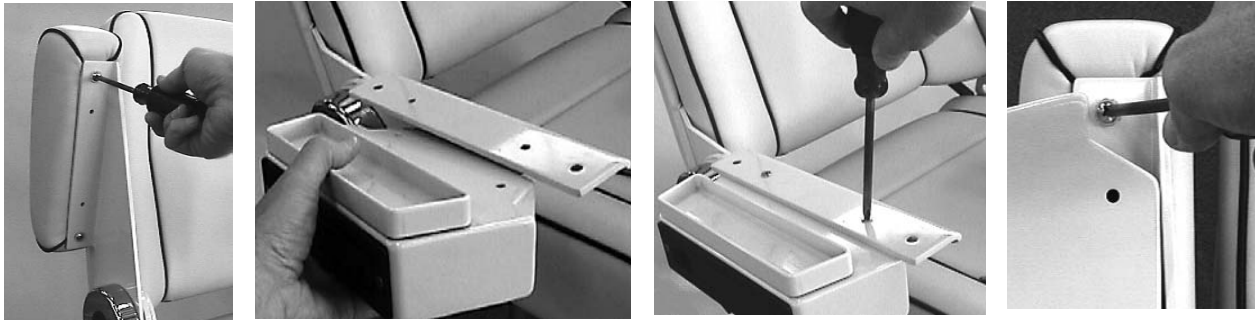


510-199

CUP HOLDER /ACCESSORY TRAY

Installation instructions

The 510-199 cup holder / accessory tray has been designed to fit on either the right or left armrest of your STIDD seat, and only takes a few minutes to install. First decide which armrest you want to mount your cup holder / accessory tray and follow these simple installation instructions.



1. **REMOVE ARMREST CUSHION(S).**
Remove the upholstery caps underneath the armrest, and unscrew the two mounting screws. (Save caps and screws - you will reuse them in step 3)
2. **INSTALL THE CUP HOLDER / ACCESSORY TRAY UNDERNEATH THE armrest BRACKET.**
Line up the mounting holes and fasten with the two Phillips flathead machine screws provided.
3. **REPLACE ARMREST CUSHION(S).**
Reposition the armrest upholstery and fasten using the same screw and pop on upholstery caps.



Enjoy.