

Proprietary Technical Data



**V5 Shock-Mitigating Pedestal
INSTALLATION, OPERATION & MAINTENANCE
INSTRUCTIONS**

STIDD Systems, Inc.

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Made in U.S.A.



TECHNICAL SUPPORT

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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).

Pedestals without the Anti-Rotation Pin should be mounted with the large Hex Head Bolts on the body of the pedestal athwartship.

Place the eight (8) 5/16" flat nylon washers on the eight (8) 5/16"-18 x 7/8" 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

General Pedestal Maintenance

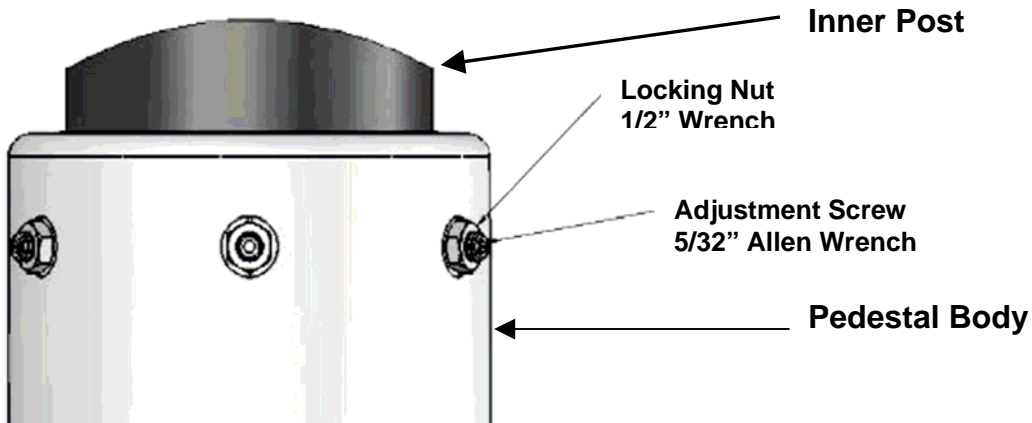


Figure 13

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.

Figure 14 – Diagram of the 510-1100-V5-F (Mod2) Pedestal



ADJUSTMENT OF THE BUSHINGS

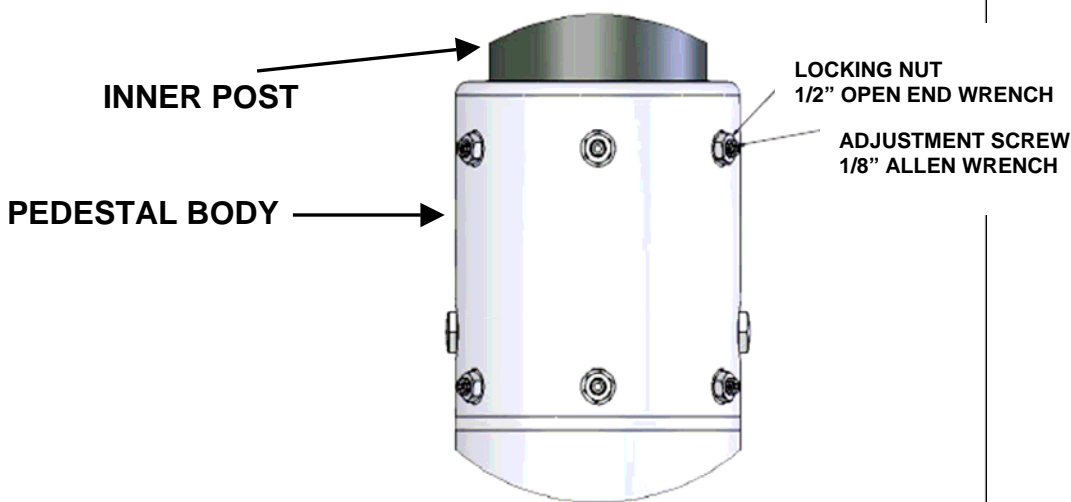
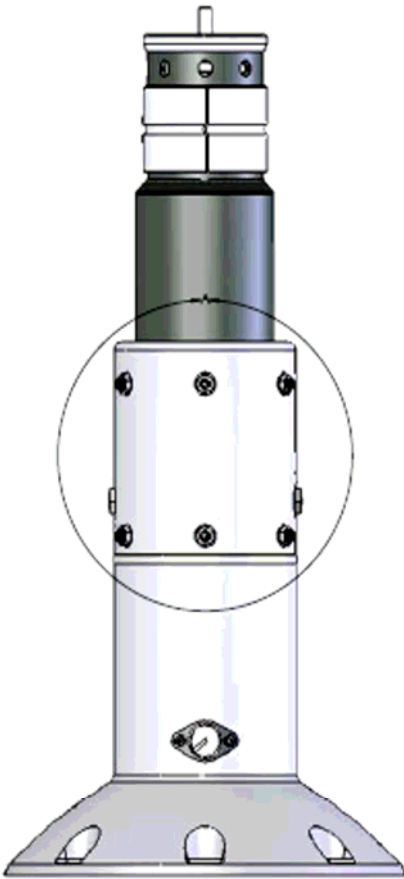
1. Using a 1/8 in. hex key, hold the adjustment screw from turning while loosening the lock nut on each of the 12 screws with a 1/2 in. wrench.
2. Turn each screw clockwise 1/12th of a turn. (Ex. 12 O'clock to 1 O'clock). Turn all 12 screws before continuing to Step 3.
3. Rock the seat port/starboard and fore/aft to check for movement. A small amount of movement is acceptable. **DO NOT OVERTIGHTEN.** Overtightening 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 OVERTIGHTEN** the lock nuts. Only tighten the lock nuts enough to prevent the adjustment screws from working loose over time.

Adjustment Diagram & Procedure for 510-1100-V5-F (Mod1) 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.**



PROPRIETARY DATA		REVISONS		DATE	APPROVED
REV.	DESCRIPTION	DATE			
A	REVISED INSTRUCTIONS FOR 12 SCREW/PEDESTAL	2/2/2006		J. ORMOND	
B	REVISED TO SHOW INCREASED BUSHING SEPERATION	7/15/2006		R. KOCH	

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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 TURNING WHILE LOOSENING THE LOCK NUT ON EACH OF THE 12 SCREWS WITH A 1/2" WRENCH.
2. TURN EACH SCREW CLOCKWISE 1/32TH OF A TURN BEFORE CONTINUING TO STEP 3.
3. ROCK THE CHAIR FORWARD AND FORWARD TO TO CHECK FOR MOVEMENT. A SMALL AMOUNT OF MOVEMENT IS ACCEPTABLE.

DO NOT OVERTIGHTEN. OVERTIGHTENING 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 HIGH, LANDICK THE SCREWS OUTLER STEPS AND SUGGESTION OF AN EXTERNAL SERVICE CENTER TO LOCKGAGE PART OF A TURN AND REPEAT STEP 3.
6. A PROPERLY ADJUSTED PEDESTAL WILL SLIDE UP AND DOWN SMOOTHLY. A SMALL AMOUNT OF FORT/STARBOARD OR PORT/STARBOARD MOVEMENT WILL NOT AFFECT THE PEDESTAL'S PERFORMANCE.
7. USE THE HEX KEY TO HOLD THE ADJUSTMENT SCREWS FROM TURNING WHILE TIGHTENING THE LOCK NUTS. TIGHTEN THE LOCK NUTS ONLY AFTER THE LOCK NUTS ENOUGH TO PREVENT THE ADJUSTMENT SCREWS FROM WORKING LOOSE OVER TIME.

		STIDD SYSTEMS INC. 220 CARRIER STREET CHATTANOOGA, TN 37404 USA (615) 477-2400	
WARE R. KOCH	DATE 7/15/2006	TITLE FIXED HEIGHT V5 PEDES-A - ADJUSTMENT	REF / B
UNLESS OTHERWISE SPECIFIED: - MATERIAL AND FINISH SHALL BE AS SHOWN - BREAK ALL SHARP EDGES - DIMENSIONS IN PARENTHESES ARE: - 1/16" (0.0625) - 1/32" (0.03125)		SIZE D	DWG No 500-14-203
THIRD ANGLE PROJECTION		WORK FROM DRAWING WORK FROM DIMENSIONS	SCALE 1:1
MATERIAL	N/A		
WEIGHT (LBS)	N/A		

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