

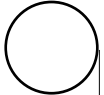
**SERVOREELER
SYSTEMS**

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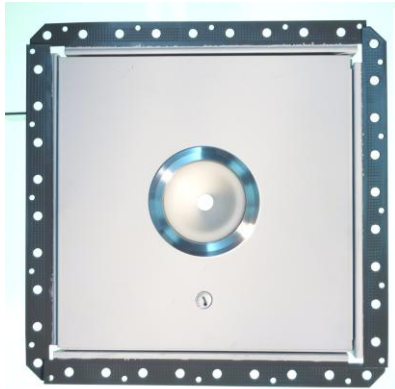
HCB-8

Hard Ceiling Box 8" Square Access Door

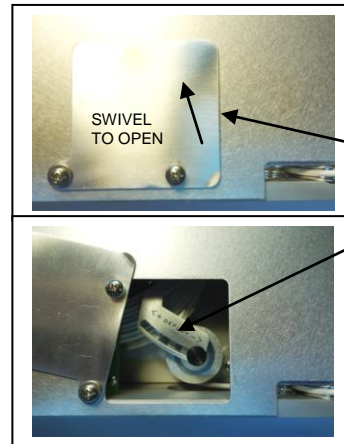
Ceiling Box Assembly permits the installation of an SRL-8 Servoreeler above a sheetrock or other permanent ceiling structure. The HCB-8 provides service access to an installed mechanism utilizing a framed-in ceiling door assembly. The HCB-8 will fit into a square opening measuring 8.375" to 8.5" The square opening needs to have a wooden or metal frame above the ceiling so that the assembly flanges can be secured by screws through the ceiling material to provide structural integrity to the HCB-8 installation. The installed and secured flanges of the assembly are designed to be taped, spackled & blended and painted to match the ceiling so that only the small round lock release and door seam line are visible.



HCB-8 BEFORE FRAMING-IN

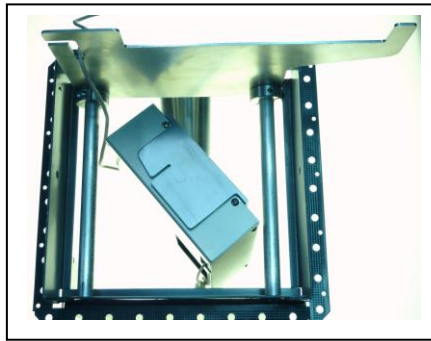
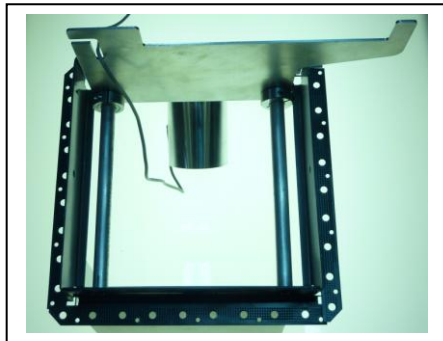


HCB-8 AFTER BLENDING



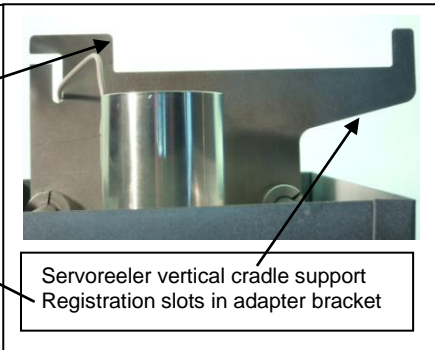
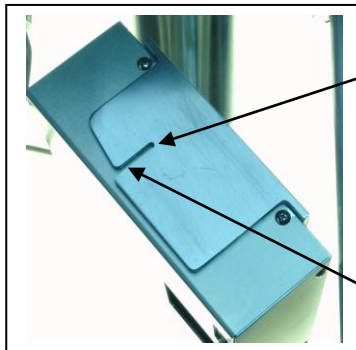
OPEN DOOR

TO
ACCESS
DEPLOY
LENGTH
ADJUSTMENT

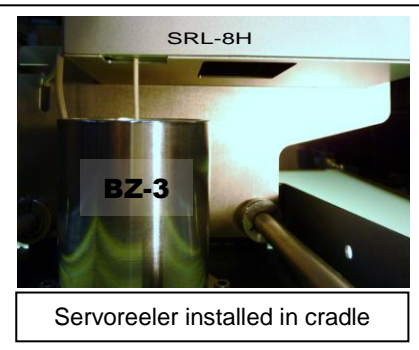


VIEW FROM ABOVE
THE HCB-8 FIXTURE

← THE ACCESS DOOR IS
HANGING DOWN OPEN
WITH THE ATTACHED
BZ-3 CEILING BEZEL
SHOWING THE
ANGLING-IN OF THE
SERVOREELER
THROUGH THE SQUARE
OPENING



Servoreeler vertical cradle support
Registration slots in adapter bracket

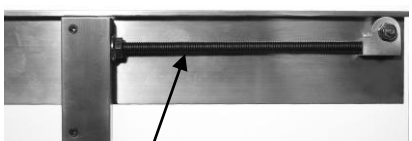


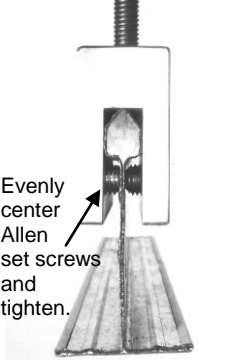
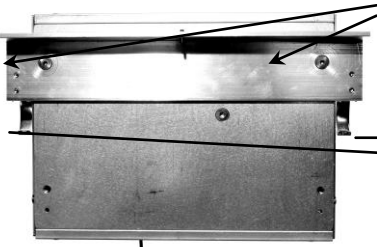


Servoreeler installed in cradle

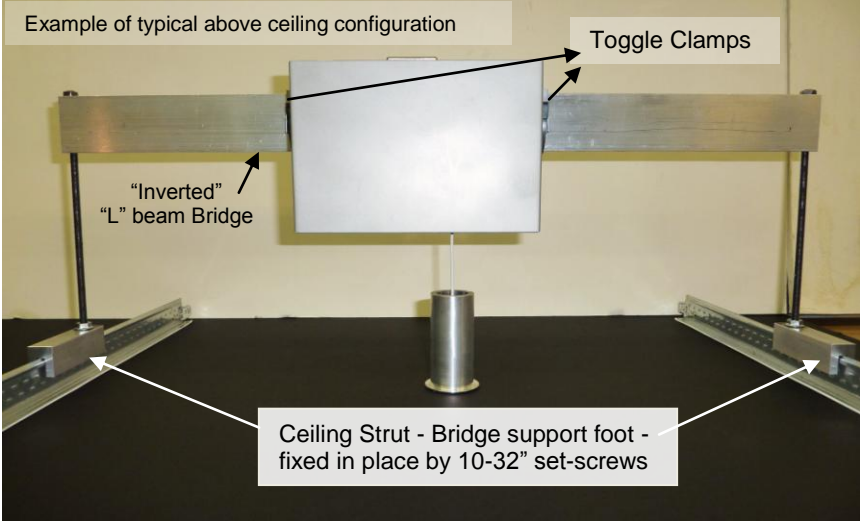
PLEASE NOTE: The HCB-8 assembly **requires** an SRL-8H that is configured with the **SRL-H Horizontal modification**. The unit shown employs a large BZ-3 ceiling bezel that is sized for larger microphones such as the Polycom HDX and the Clear-One multi-microphone array. PLEASE NOTE: This special configuration is offered to provide service access. By necessity, adjustments to the mechanism will be less convenient than when installed normally. "Full" trimmer adjustment will require removal of the mechanism from the HCB-8 frame. Adjust the deploy length with the ceiling door open. Then carefully insert the microphone and slide inside the Bezel and close and latch the door.

SCB-24 & H Bridge Fixtures

Folding Servoreeler® Vertical & Horizontal Ceiling Bridge Fixtures

		
<p>Support arm folded in its stowed position. The next step shows the arm extended to its installation position.</p>	<p>Deploy the threaded rod support clockwise and tighten to position as shown.</p>	<p>Foot support tightened to install position.</p>
	<p>Engage the foot section of the vertical bridge support - onto the ceiling truss. Adjust set screws with the 3/32" key so that the foot is centered on the ceiling truss..</p>	
<p>Evenly center Allen set screws and tighten.</p>	<p>Engage the foot section of the vertical bridge support - onto the ceiling truss. Adjust set screws with the 3/32" key so that the foot is centered on the ceiling truss..</p>	<p>The image above illustrates the Servoreeler mounting slide attached to a Servoreeler with the 8-32" flat head socket screws - using the 3/32" Allen key that has been provided.</p>
<p>Stop Pins Hook over inverted "L" beam to restrain the Servoreeler mounting - slide assembly.</p>		<p>Toggle Clamps Slide the Servoreeler carrier bracket to align the microphone cable with the center of the bezel. To secure - latch the bracket onto the bottom of the "L" Beam Bridge with the toggle clamps.</p>

Example of typical above ceiling configuration

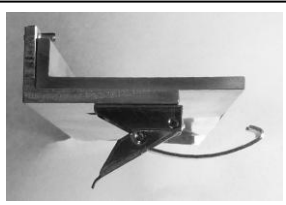
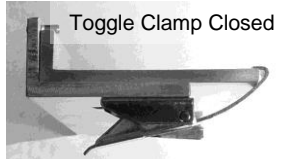
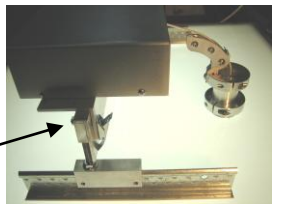


Toggle Clamps

"Inverted" "L" beam Bridge

Ceiling Strut - Bridge support foot - fixed in place by 10-32" set-screws

Horizontal bridge configuration - when using the SCB-H. The 9" vertical supports are replaced with 2.25" posts and the larger horizontal Servoreeler mounting bracket as shown in the photo. Aim the horizontal adapter arm towards the cable exit point.

Suspended Ceiling Bridge Installation

The machined aluminum feet are positioned and secured by tightening the set screws – centering these screws so that these feet are aligned straight onto the ceiling support truss – Engage the Servoreeler / Slide assembly onto the inverted "L" beam. The Servoreeler Carrier bracket can then slide along the length of the inverted "L" shaped bridge to be centered on the bore of the Bezel. When correctly aligned, secure in place by engaging the two toggle clamps on each side of the mechanism – latching to the bottom edge of the inverted "L" bridge. When the installation is complete, insure that all fasteners are tight.

Please contact us if there are any questions with regard to this product: srsystems@servoreelers.com

SRCC-1
SERVOREELER
CONTROL BOARD

SERVOREELER
SYSTEMS

XEDIT Corporation

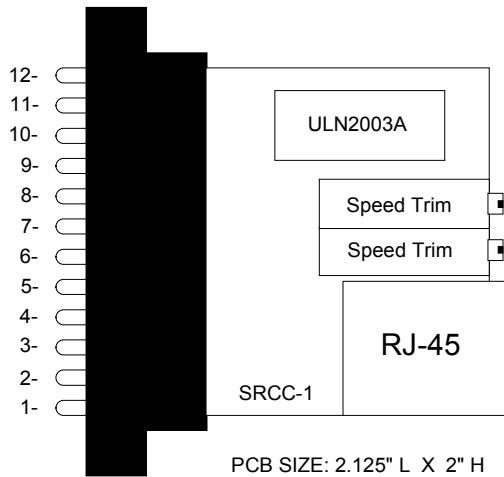
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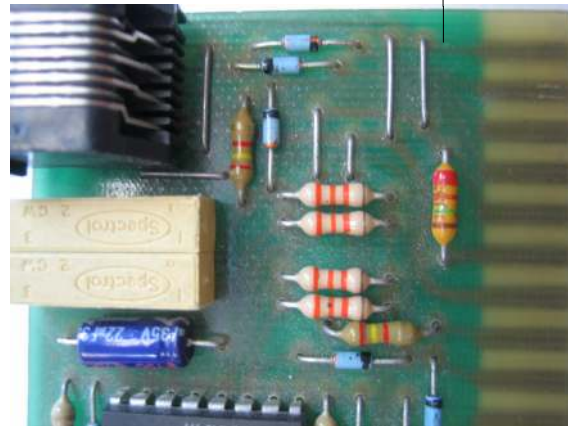


The **SRCC-1** Control board is employed by all **SRC controllers**. It can also be used to assemble controllers for systems employing virtually any number of microphone Servoreelers. The following is a description of all of the functions provided by this board.

MSW-1 & 2: The front plate of the MSW-1 and the MSW-2 has an Incremental-Auto selector switch and an Up and Down pushbutton station. The LED's indicate actual Servoreeler mode and operation. NOTE: An external 24 Vdc. power supply is required with the MSW controllers. Allow 600 to 700 mA. for Servoreeler models SRL-8, SRL-20, SRL-40 and 1 amp for an SRL-90 Servoreeler.

- PIN-OUT:**
- 1- +24Vdc or encoder: See note 2 below.
 - 2- Down sense bus
 - 3- Down control input (master bus)
 - 4- Down control input
 - 5- Down LED indicator driver output
 - 6- +24Vdc
 - 7- Common
 - 8- Up LED indicator driver output
 - 9- Up control input
 - 10- Up control input (master bus)
 - 11- Up sense bus
 - 12- Hold enable: Provides automatic, one-touch deploy and retract.

Add this jumper



APPLICATION NOTES:

- 1- When assembled in multiples, power as well as other functions may be bussed across the PCB edge connector to provide the required system configuration. For example, all of the Up control (master pin 10), may be bussed to create a Master Up control bus so that one signal will activate all of the Servoreelers in the system. Similarly, this would also be done on the Down control (master pin 3) to achieve a Master Down control bus.
- 2- Removing a jumper to 24Vdc, can free up the conductor to pin 1 so that it may be employed as a conductor for an encoder signal.
- 3- Up and Down control inputs (pins 9 & 4) are intended for individual activation.
- 4- Up and Down control master bus (pins 10 & 3) are isolated and may be bussed.
- 5- Sense bus outputs are isolated and may be bussed to provide system status indication functions. The sense outputs are low with Servoreelers at rest and rise to a positive level during any Servoreeler motion.
- 6- The LED indicator driver outputs provide a switched collector to common.
- 7- The speed trimmers on the PCB allow remote adjustment for Up and Down speed.
- 8- 24Vdc system power is required at pins 6 (+24V) and 7 (com.)
- 9- It is recommended that a linear regulated power supply be employed allowing 700ma to 1A per reeler.

For any assistance, please call us at: 800: 431-8900

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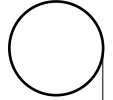
Tel: (718) 464-9400 Fax: 464-9435

MX202 Modification

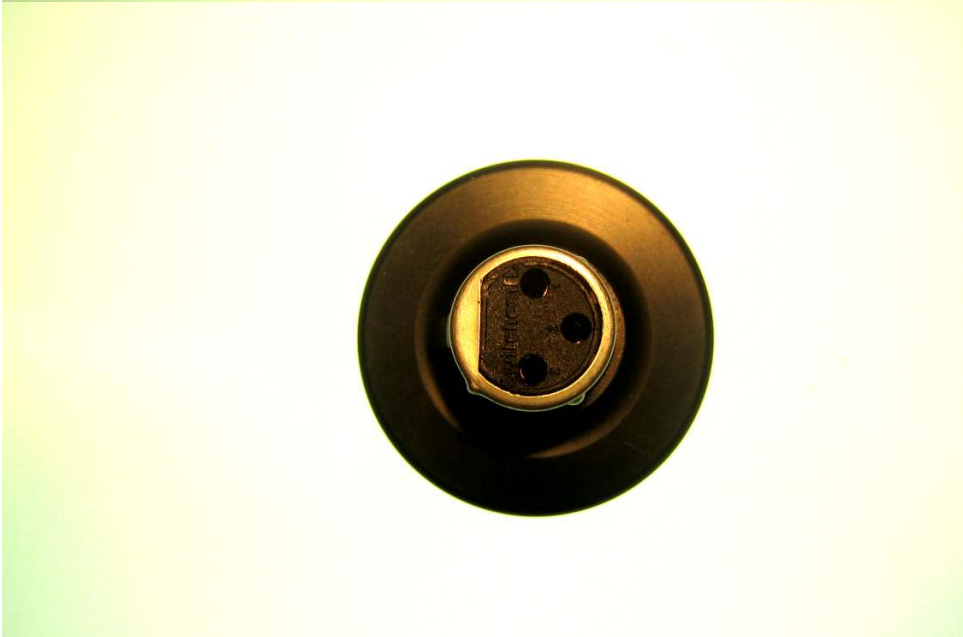
On occasion when an MX202 is needed to hang pointing straight down, it can be an advantage to remove the 4.5" flexible shaft. The remaining microphone head is quite small approaching the desirable size of our Ball microphone, but employing a Cardioid capsule.

The resulting smaller microphone will then be able to completely fit into our standard ceiling bezel assembly so that it will retract flush with the ceiling surface.

The modification consists of removing the flexible tail section by machining and replacing it with a turned brass cap. This cap is finished with paint to match the color of the microphone body. The finished unit looks quite normal as shown below.



DESK - MICROPHONE / XLR RECEPTACLE



NOTES:

Top photo: Shows a side view of the receptacle with the threaded bottom retaining cap. The cap contains a split rubber bumper that acts as stop for the XLR connector. When the cap is removed, the split rubber bumper can be disengaged from the cable and the XLR can fit through the cap opening for removal. The installation nut is shown below the receptacle.

Bottom photo: Is a top of the desk view of the XLR connector docked into the receptacle. Only the portion that engages into the microphone protrudes above the receptacle bezel. The unit shown is fabricated from black Delrin.

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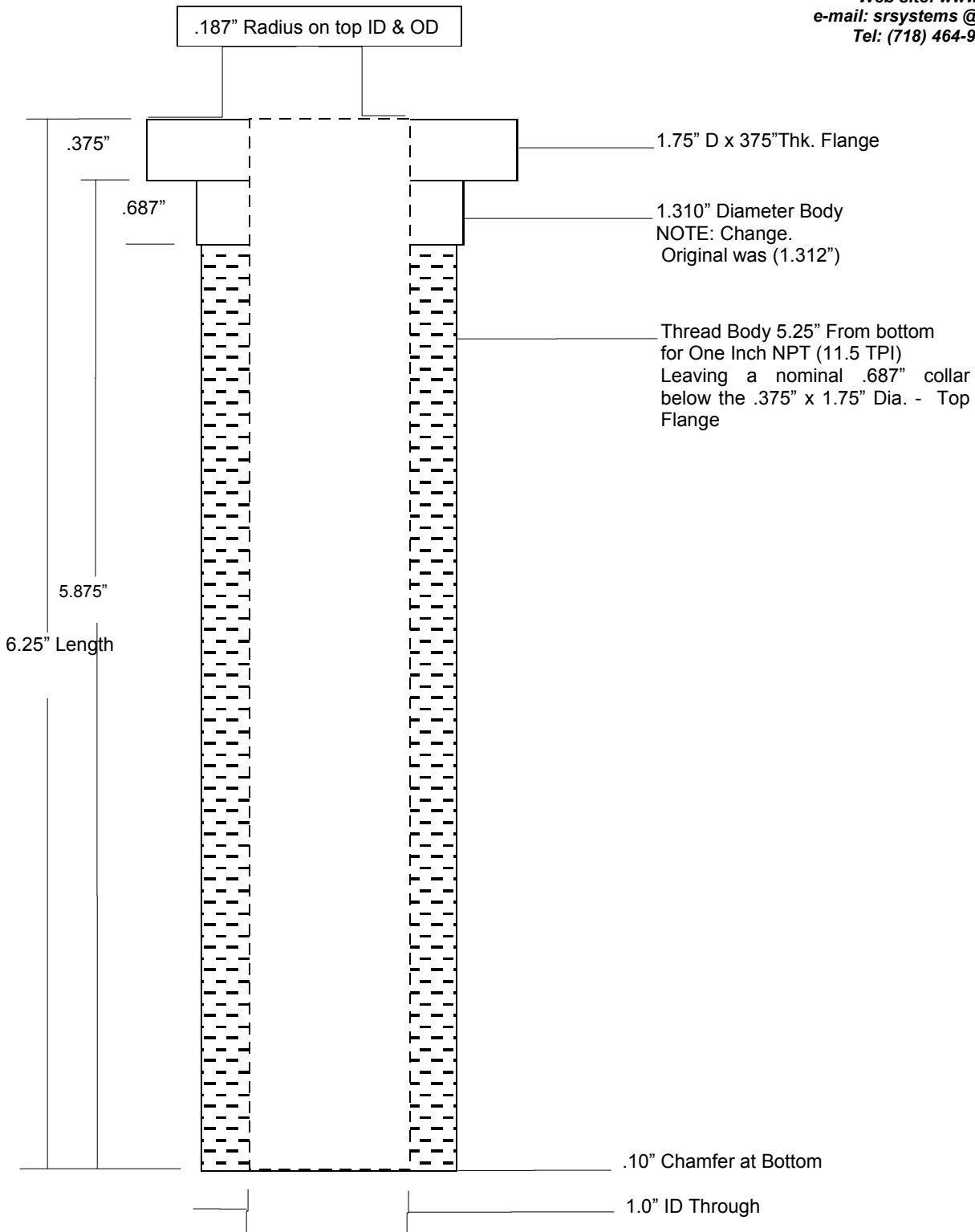
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DESK RECEPTACLE



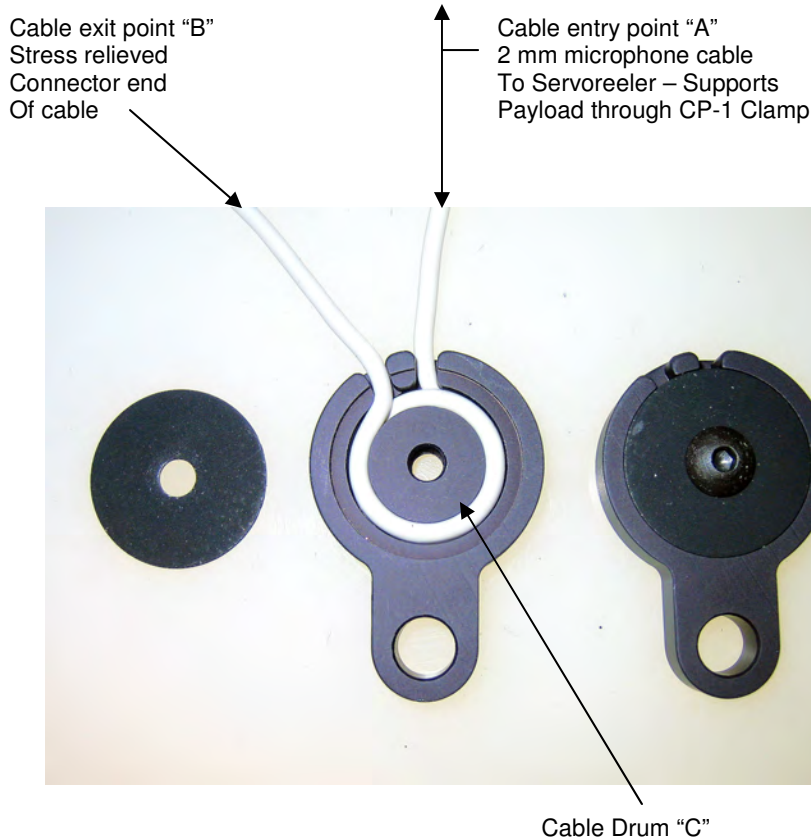
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CP-1

Non-marring 2mm diameter Cable Clamp



CP-1 Instructions

The CP-1 Cable clamp is designed to provide a good mechanical linkage between the 2mm microphone cable and some type of microphone-bar payload; without causing a permanent imprint on the thin cable jacket. This permits the free connector end of the microphone cable to be free of any payload stress.

- 1- The Clamp consumes about 3 5/8 inches of cable.
- 2- Remove the round cap by loosening the 8-32 button head screw with a 3/32" Allen wrench.
- 3- Slip the 2mm cable extending from the Servoreeler into entry point "A".
- 4- Wrap the cable around cable drum "C" in the direction of exit point "B" continuing two turns; lapping entry point "A" around to exit point "B"
- 5- Guide the cable out through the slot at B.
- 6- Gently tamp the cable down into the cable trough around drum C taking care not to pinch the cable jacket on the internal machined edges.
- 7- Replace the round painted cover and replace the button head screw.
- 8- The hole at the bottom of the clamp will accommodate a 6mm or 1/4" machine screw to fasten the CP-1 clamp to the microphone bar payload.
- 9- The weight of the payload will be transferred from the 2mm microphone cable directly to the payload by the CP-1 clamp; leaving the microphone cable connector end free to be attached.

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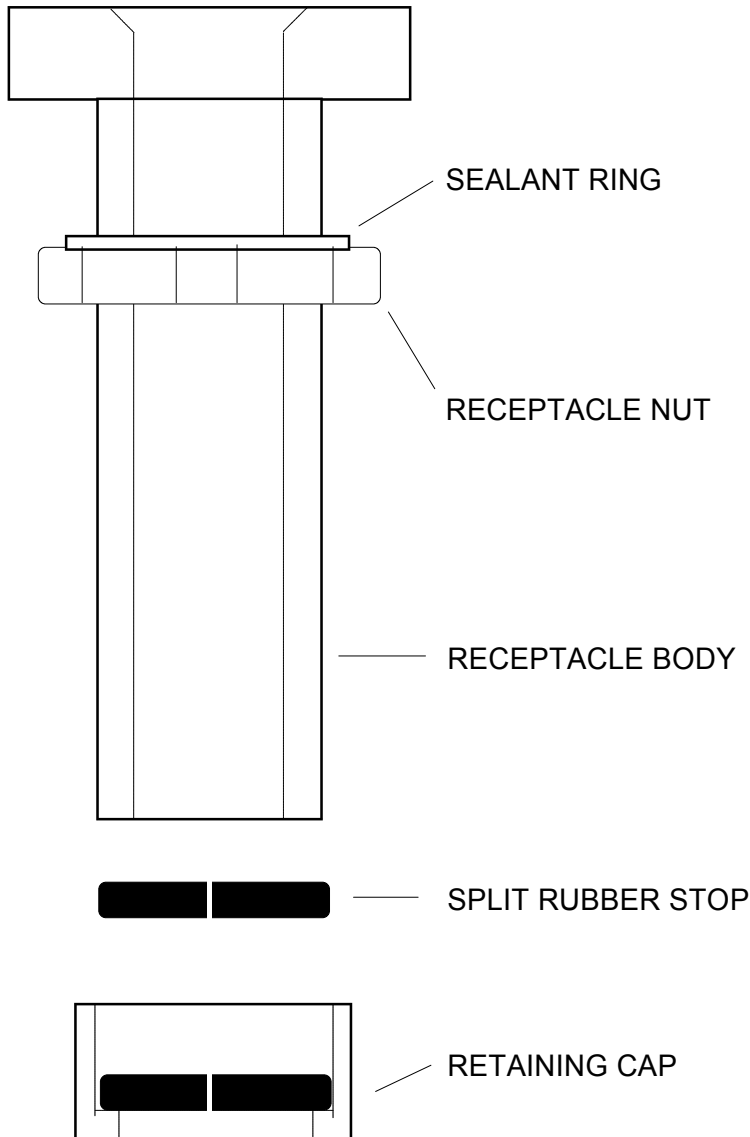
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INSTALLING DESK RECEPTACLE



INSTRUCTIONS:

- 1- Secure the receptacle into the desk opening by tightening the receptacle nut with a one and five sixteenths 1.312" open end wrench. Only exert enough force to slightly collapse the sealant ring on the nut. Excessive force may damage the Delrin body.
- 2- Leaving the windscreen off the microphone; first slide the retaining cap in the orientation shown above then slip the rubber stop onto the microphone cable using the split in the rubber stop.
- 3- Seat the rubber stop into the bottom of the retaining cap. Slip the microphone into the bottom of the receptacle and hand tighten the screw cap in place thereby retaining the microphone into the receptacle.
- 4- Pull the microphone out of the receptacle and snap the windscreen over the capsule.
- 5- NOTE: When removing the microphone for service, unsnap windscreen before trying to slide the microphone out of the receptacle; reversing the above procedure.

