

SRL-SERVOREELERS
INSTALLATION ADDENDUM – A
SRL-20; SRL-40; SRL-90

**SERVOREELER
SYSTEMS**
XEDIT Corporation
218-31 Ninety Seventh Avenue
Queens Village, New York 11429
Web site: www.servoreelers.com
e-mail: srsystems@servoreelers.com
Tel: (718) 464-9400 Fax: 464-9435

Please note the following general Cautions:

- 1- Never apply any external voltage to Sense Outputs (pin numbers 1 and 8); this will damage the control circuit and compromise the warranty.
- 2- If user supplied, always employ a linear 24Vdc regulated power supply, allowing 700ma per Servoreeler.
- 3- Never apply a force that exceeds the normal payload weight on the Servoreeler cable. Absolutely never exceed a maximum of ten pounds of pull on the cable. Excessive loading of the cable will compress and distort the cable pack on the storage reel. Should this occur, fully deploy, then retract the cable with the normal payload to restore normal cable pack concentricity. An oval or eccentric cable pack will adversely affect the accuracy or operation of IR limit sensors.

Payload capacity: Servoreelers are conservatively rated at 2.2Lbs (1Kg) with a maximum of 4.4Lbs (2Kg) There is also a minimum combined payload weight of 1 – 2 ounces (28 – 56gms) that is required to assure reliable cable deployment. The XLR female connector that is usually employed is sufficient in itself to provide the required minimum ballast.

An internal accumulation of cable can occur if the Reeler is operated in the Down mode while on its back or if the cable is not free to down-feed or is too lightly loaded. A cable "Spill" sensor interlock system is employed to stop the down operation if an internal accumulation of cable is detected. This system will normally prevent a jam from developing. This safety mode is effective, but may not always be caused to trip; it is intended to be a back-up system. This interlock is provided to protect the Servoreeler primarily during testing and installation. Conditions causing its intervention generally do not occur after the Servoreeler is installed. Care is advised to avoid conditions that would rely on the activation of this interlock.

Clearing an Internal Cable Jam:

- 1- Cable jams are not common. However, if a jam is suspected then the four cover screws about two turns each and slip the cover up from the Servoreeler chassis. You will see the cable storage reel with the cable retained by a clear Plexiglas flange. **IMPORTANT CAUTION ! DO NOT LOOSEN THE FLANGE SCREWS OR ATTEMPT TO REMOVE THE CLEAR FLANGE. Removing this flange is rarely necessary. If removed, the resulting disruption of the microphone cable and its synchronization with an internal cable system will be very difficult for you to remedy.** Cable jams that occur due to an internal spill and a consequential accumulation of microphone cable can be cleared by following the procedures listed below.

NOTE: Take care not to alter the normal cable layer sequence when clearing a jam.

- 2- The cable is wound in one plane on the storage reel; layer upon preceding layer. There should be no discontinuities in these layers. Look for any irregularities at the last several outside layers of cable. If there are any trapped loops of cable or cable caught between some of the round spill bumpers, or the input roller guide, these need to be cleared. Usually such jams can be cleared by carefully working the loose winds until the cable is returned to a uniform even condition. When necessary, to clear a more serious tangle, press down on one of the white, round spill-bumpers to release spilled cable. It may also be helpful to activate the Servoreeler in the Up or Down-modes to help realign the cable. Any turns of stored cable that are removed from the storage reel must be counted and then must be replaced after the jam is cleared.
- 3- Do not over tighten the retaining- screw when re-installing the input guide roller or any other part that has been removed.
- 4- Carefully smooth-out any kinks in the cable. Serious kinks must be unwound and then straightened. Do not attempt to force kinks out by just pulling them straight, this will leave a permanent kink in the cable structure. Smoothing small bumps and bends can be done by gently pulling the cable by making a half turn across a screwdriver or other similar .25" (6mm) or larger round shaft.
- 5- After clearing a jam, it is wise to fully deploy the cable with its normal payload and then fully retract it. This will permit the cable to wind itself evenly on the storage reel. If the Servoreeler will not deploy or retract all of the cable, this is an indication that cable synchronization has been altered. Remedy by either adding or removing a turn of cable on the storage reel. If the storage reel stalls before taking-in all of the cable then add cable. If stall occurs before full payout of cable, remove cable from the storage reel. Do this by manually passing the cable past each white spill-bumper until a complete layer has been added or removed. After all of the loops and slack have been removed and proper operation has been observed then re-install the cover.

PLEASE DO NOT ATTEMPT ANY OTHER DISASSEMBLY OF THE SERVOREELER MECHANISM.

Should you require any further assistance, or have any questions regarding these instructions, please call us for support at: 800 431-8900 From outside of the US: 718 464-9400 fax: 464-9435 or srsystems@servoreelers.com