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READ THIS NOWREAD THIS NOW** READ THIS NOW**

INSTRUCTIONS FOR LARGE QUICK RELEASE REV 2/6/13

This device is for use by experienced special effects persons ONLY. ALWAYS test before using. ALWAYS inspect before using. Use at your own risk. If you have any doubts about the condition of this device, we will inspect it for you. Be careful and THINK. **2200 pounds working load.**

OPERATION: Prior to use, make sure the latch spring holds the latch spring in the closed position and the hook spring pushes the hook open when the latch is open. Attach load and latch quick release by snapping the end of the pawl hook into the notch on the release catch lever. The latching is visible through the latch inspection hole. Insert PIP pin through the safety hole. Unscrew squib holder from the actuator body and insert squib into squib hole, running wires through the small hole. Screw squib holder into actuator body, making sure that the actuator plunger (piston) is in and working freely. Use galvanometer to make sure squib wires are not grounded to the body of the device. **Make sure release lever is positioned so that it can not be tripped accidentally.** Remove safety 1/4" PIP pin at the appropriate time and fire squib to release load. Person firing must be able to see where the load will fall to ensure that it is safe to fire. Device may also be released manually. Always test before using. Devices of this type are not completely reliable; never depend on devices of this sort where human safety is involved. A D-60 3 or T12-3 is usually used to actuate this device.

Parts are available from us. The actuator plunger (piston) is the consumable part. Inspect the actuator plunger frequently for mushrooming of the tip and elongation of the stem. We stock actuator plungers, or you may make your own from a 5/16" grade 5 hex bolt. Cut the bolt to 1.375" long overall, including head, and grind or turn the head to .440" diameter. Inspect the release catch lever and pawl springs before every use. Release catch lever must be held firmly in place by the release catch lever spring. When the catch lever is released, pawl hook must be propelled open smartly by the pawl hook spring. Inspect sear for wear. Inspect all other parts for wear or binding.

NOTE WELL: As of 6/97 we are recalling all actuator plunger bodies that use a 1/4" bolt. We will exchange actuator bodies at no cost. The reason for this is to standardize sizes and provide a more durable release plunger. All lengths of actuator bodies work equally well provided with the correct plunger, however, if you use too long a plunger for the body, the hook may be pushed partially off the latch. (Revised instructions 6/06)
Any questions, call us. Shop (818) 902-9354 Home (818) 761-2380

Keep the squib actuator clean! Use gunpowder solvent.