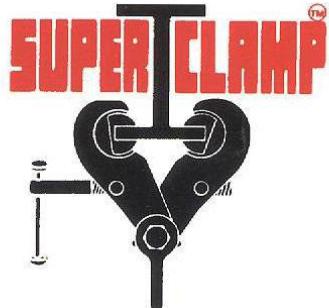




## OPERATION MANUAL

📞 (800) 878-7305 📧 Rentals@RentLGH.com 🌐 RentLGH.com

### USC Riley / Superclamp – Maintenance & Inspection Procedures



### REPAIRS MAINTENANCE INSPECTION PROCEDURES

### MODELS USC UNIVERSAL SIDELOAD CLAMP

## Riley (Lifting Equipment) Ltd.,

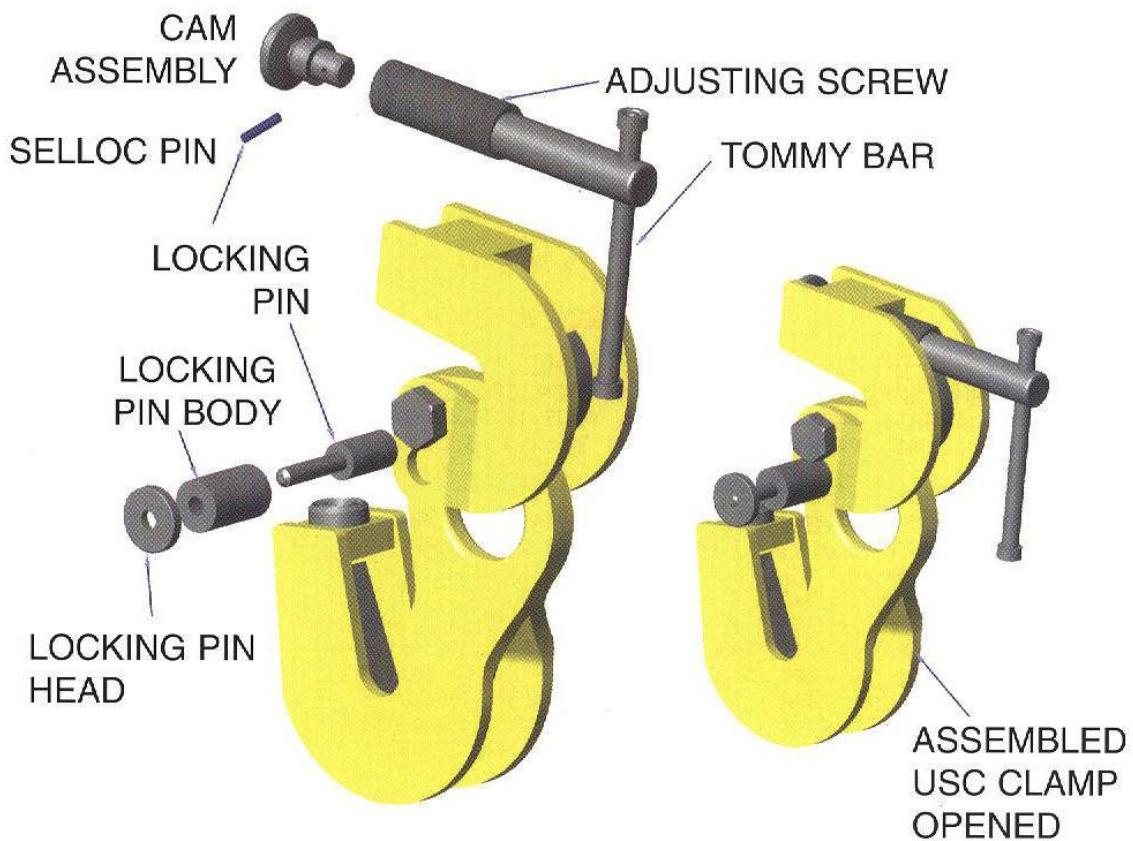
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PROCEDURE FOR REPLACING WORN OR DAMAGED PARTS

TO REPLACE ADJUSTING SCREW:

1. UNLOCK AND FULLY OPEN CLAMP
2. TURN THE ADJUSTING SCREW CLOCKWISE TO SHOW SELLOC PIN HOLDING CAM GRIP ASSEMBLY IN POSITION
3. USING CORRECT SIZE PUNCH REMOVE SELLOC PIN FROM THE ASSEMBLY, THE CAM GRIP ASSEMBLY CAN NOW BE REMOVED FROM THE ADJUSTING SCREW
4. THE ADJUSTING SCREW CAN NOW BE REMOVED FROM THE THREADED BLOCK BY WINDING ANTI-CLOCKWISE
5. REVERSE THE PROCEDURE TO RE-ASSEMBLE USING A NEW SELLOC PIN TO SECURE THE CAM ASSEMBLY



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### CAM ASSEMBLY

SHOULD IT BE NECESSARY TO REPLACE THE CAM GRIP, THIS ASSEMBLY IS SUPPLIED COMPLETE WITH THE CAM, CAM SPRING AND CAM HOLDERS READY TO FIT. NEVER REPLACE THE CAM USING THE OLD SPRING AND CAM HOLDERS.

### TO REMOVE THE LOCKING PIN

SHOULD IT BE NECESSARY TO REPLACE THE LOCKING PIN, LAY THE CLAMP (SIDE DOWN) WITH THE LOCKING PIN HEAD UPPERMOST, GRIND OFF THE WELD HOLDING THE LOCKING PIN HEAD TO THE LOCKING PIN, THIS WILL RELEASE THE LOCKING PIN AND SPRING FROM THE LOCKING PIN BODY.

### TO REPLACE THE LOCKING PIN

PLACE THE SPRING IN POSITION ON THE LOCKING PIN AND INSERT THIS ASSEMBLY INTO THE LOCKING PIN BODY, SOME CONSTANT PRESSURE WILL BE REQUIRED TO ENABLE THE LOCKING PIN HEAD TO BE POSITIONED PRIOR TO WELDING ENSURING THAT THE WELD PREPARED SHAMFER IS UPPERMOST AND THE HEAD IS LEVEL WITH THE LOCKING PIN, THE ASSEMBLY IS NOW READY FOR WELDING.

### TO REPLACE THE LOCKING PIN ASSEMBLY

TO REPLACE THE ASSEMBLY COMPLETE, LAY THE CLAMP (SIDE DOWN) AND REMOVE THE ASSEMBLY BY CAREFULLY GRINDING THE WELD FROM THE LOCKING PIN BODY AND THE SIDE ARM. THE AREA ON THE SIDE ARM SHOULD NOW BE CLEANED TO ACCEPT THE REPLACEMENT ASSEMBLY.

TO FIT THE NEW ASSEMBLY LAY THE UNIT (SIDE DOWN) WITH THE LOCKING PIN LOCATING HOLES PRECISELY IN LINE, INSERT THE LOCKING PIN CENTRALLY INTO THE LOCATING HOLES ENSURING THE LOCKING PIN BODY IS COMPLETELY FLUSH WITH THE SURFACE OF THE SIDE ARM. TACK-WELD THE LOCKING PIN BODY TO THE SIDE ARM, CHECK THAT THE LOCKING PIN MOVES FREELY BACK AND FORTH WITHIN THE LOCATING HOLES, THIS DONE THE WELDING OPERATION CAN BE COMPLETED CHECKING AGAIN THAT THE LOCKING PIN IS EASILY MOVED INTO THE LOCK AND UNLOCK POSITIONS.

**WARNING** NEVER REMOVE MATERIAL FROM THE LOCATING HOLES OR THE LOCKING PIN TO ACHIEVE THIS AIM.

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### TO REPLACE THE FIXED JAW

THE FIXED JAW IS SECURED TO THE FIXED JAW BLOCK BY A MACHINE SCREW WHICH IS COATED WITH METAL GLUE, THEREFORE, SHOULD IT BE NECESSARY TO REPLACE THE JAW, MILD HEAT MAY BE REQUIRED TO RELEASE THE MACHINE SCREW BEFORE A REPLACEMENT JAW CAN BE FITTED, USING A NEW MACHINE SCREW COATED WITH METAL GLUE.

**WARNING:** NEVER RE-USE AN OLD MACHINE SCREW FOR THIS OPERATION.

THE MANUFACTURER WILL NOT ACCEPT RESPONSIBILITY FOR PRODUCTS REPAIRS WITH COMPONENTS OF SPURIOUS ORIGIN, USE ONLY GENUINE SUPERCLAMP PARTS.

NEVER RE-CUT OR RE SHARPEN CAMS OR JAWS OR ANY PRODUCT RELYING ON TEETH ETC FOR GRIP.

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### REPAIRS, MAINTENANCE AND INSPECTION PROCEDURES

#### CHECK LIST:

- 1) EXAMINE SIDE ARMS FOR WEAR OR DISTORTION.
- 2) EXAMINE ADJUSTING SCREW FOR DAMAGED THREADS, DISTORTION.
- 3) EXAMINE CAM JAW ASSEMBLY FOR WARE, BROKEN GRIPS, DISTORTION.
- 4) EXAMINE FIXED JAW FOR WEAR, BROKEN GRIPS.
- 5) EXAMINE LOCKING PIN FOR WEAR, DISTORTION.
- 6) EXAMINE TOMMY BAR FOR DISTORTION, LOOSE BAR END STOPS.
- 7) EXAMINE PIVOT BOLT FOR WEAR, DISTORTION.
- 8) EXAMINE FIXED BLOCK FOR WORN OR DAMAGED THREADS.