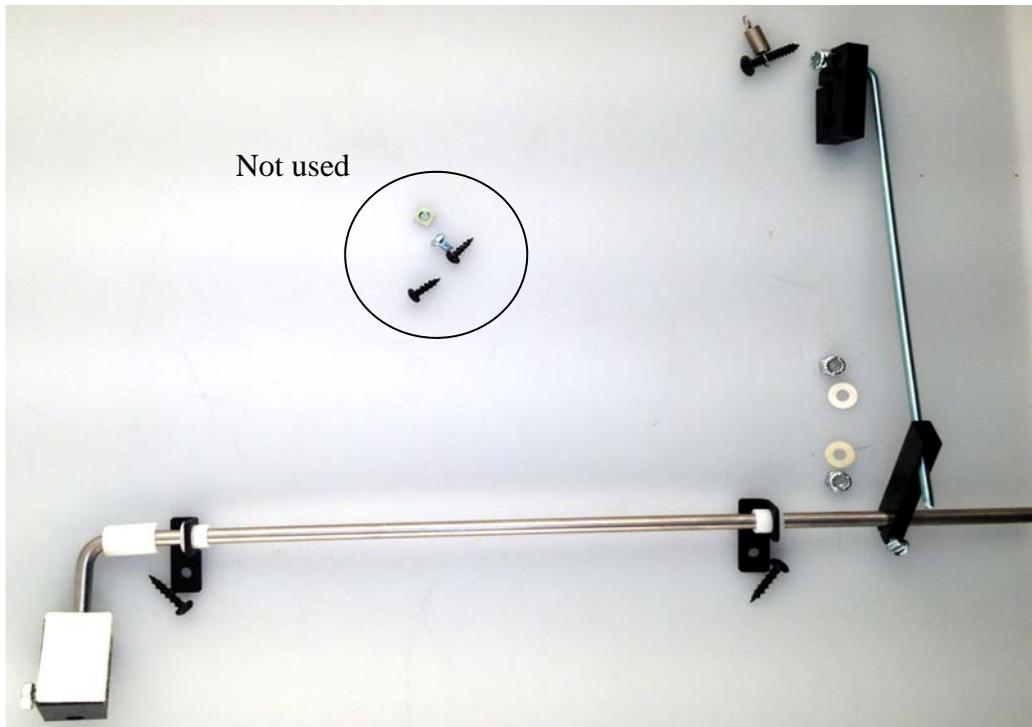


Universal Sostenuto Installation Instructions - 70743



Identify the piano's Sostenuto type.

Push - The Sostenuto is engaged when the actuator rises toward the strings.

Pull - The Sostenuto is engaged when the actuator descends away from the strings.

Steinway - Part of the assembly is built into the action.

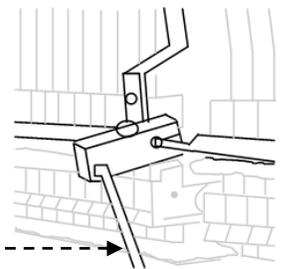
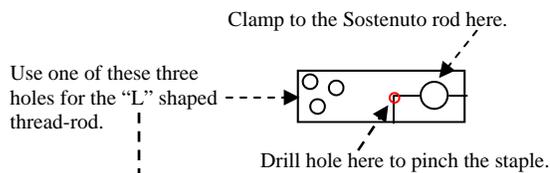
You will need to **order** the Steinway Sostenuto Assembly from QRS.

Part # **70897**

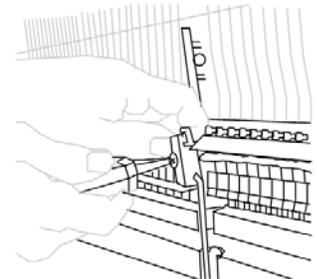
These instructions explain a Pull Type Sostenuto installation.

Remove the existing actuator attached to the Sostenuto blade.

Drill a hole in the new actuator for the staple.



Connect the actuator to the staple on the Sostenuto bar. Clamp the actuator over the bar so the staple is pinched by the hole just drilled and the large hole clamps around the rod. Tighten the actuator screw.

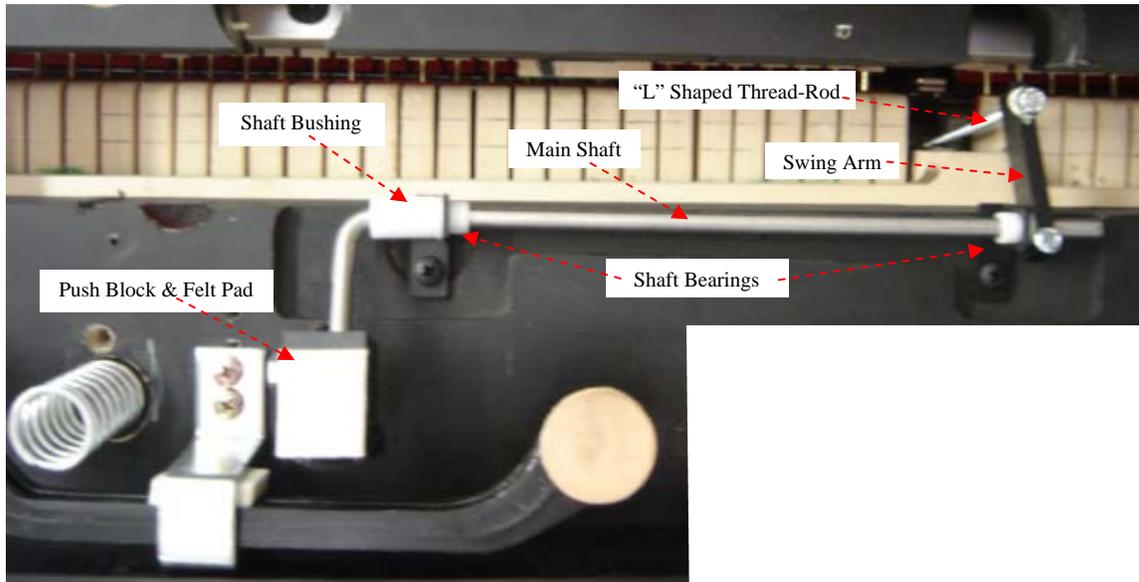


Push the "L" shaped thread rod through one of the three holes in the actuator and secure with the lock-nut.

Install the push lever which consists of the Push Block, the Main Shaft, the Shaft Bearings and the Swing Arm.

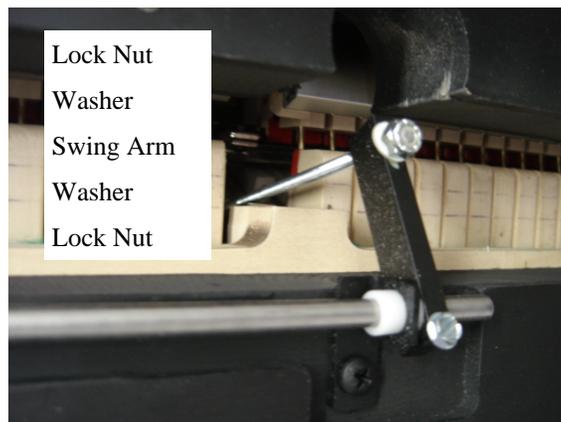
Determine placement of the push lever by first installing the pedal lyre on the piano. Place the push lever so that the end of the lyre's Sostenuro rod is on the outer edge of the push block when the pedal is not depressed. Make sure that there is clearance as the push block travels through its arc as the pedal is depressed. The push block position is adjustable by loosening the set-screw. There are several indents in the shaft for positioning. Also note the position of the shaft bearing and bushing has been placed as close to the bend in the shaft as possible to prevent the bushing from working its way out during operation. Only this shaft bearing should be fastened in place at this time. It is OK for the shaft bearings to slightly overhang the slot.

The assembly may need inset into the keyed to accommodate the key solenoid rail and rail cover.



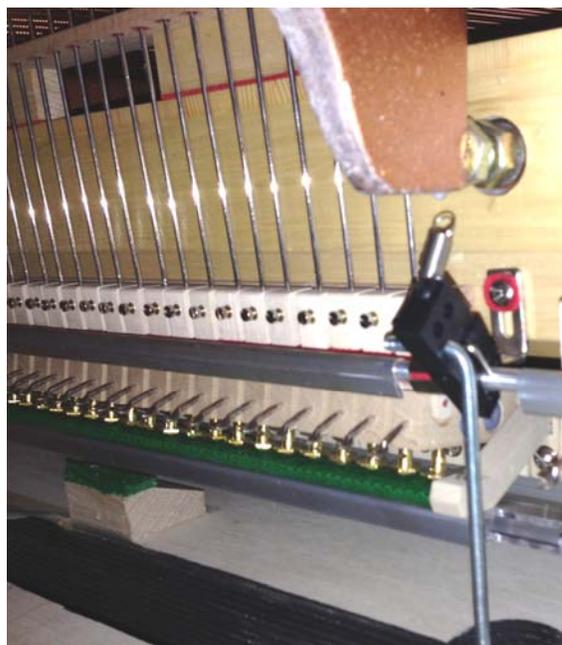
Insert the second Shaft Bearing and the Swing Arm to the Main Shaft. Screw the first lock-nut onto the thread-rod and then a washer. Push the thread-rod through the oval hole in the Swing Arm and then add the second washer and lock-nut. Do not tighten the lock nuts.

Center the thread rod/Swing Lever assembly in the slot being mindful of where the piano keys and solenoid rail will be located. The Sostenuro parts can touch neither when the installation is completed. Once the activator assembly is centered properly you can screw the second shaft bearing in place.



Attach the small return spring to the thread-rod so it pulls up on the actuator. You'll have to find a convenient place above the actuator to attach the other end of the spring.

Adjust the Sostenuato by loosening the locking screw on the swing arm to allow the main shaft to spin freely without activating the Sostenuato. Swing the main shaft so that the brass insert on top of the push block is centered on the spring with the pedal in the rest position. Rotate the swing arm so that the piano's Sostenuato tab lifter bar is about 1/16" away from damper Sostenuato tabs. Tighten the swing arm locking screw. Push the Sostenuato pedal on the lyre and inspect the operation of the mechanism. When the pedal is depressed the tab lifter bar should be nearly parallel with the key bed.



Install the solenoid rail so that it goes over the Sostenuato shaft.

