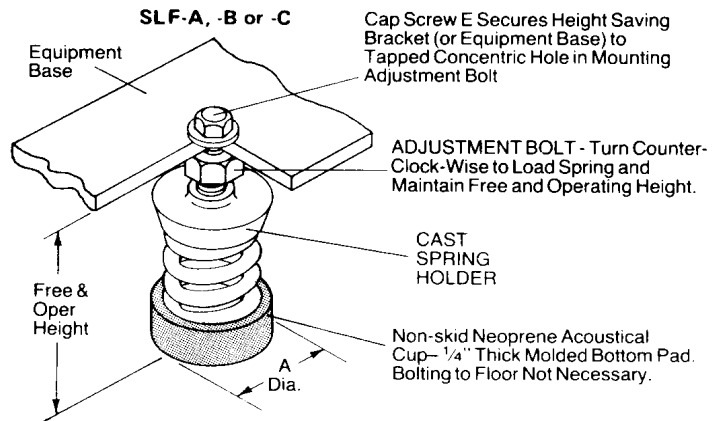


Installation Instructions

MASON SLF(H) springs and Z1011 snubbers

Spring installation

- 1 Block equipment level and at operating height (underside of equipment base or attachment bracket should be at the free and operating height of the isolator (ie. SLF(H)-C = 6"))



- 2 Remove cap screw and washer from the SLF(H) isolators.

- 3 Locate the isolator assembly under the hole in the attachment bracket and refit the cap screw and washer through the hole. Do not tighten the cap screw. Ensure that the spring assembly is plum and sitting flat on the floor.

- 4 Repeat above installation procedure for all springs.

- 5 Use a wrench to turn the adjustment bolt counter clockwise to load the spring isolators as follows:
 - Start by turning the adjustment bolt on all isolators five turns.
 - Continue to load the springs ONE revolution at a time on all isolators, until the equipment just begins to lift from blocks. It may be necessary to Continue loading some springs more than others to compensate for off centre loading. Continue until the equipment is floating just free of blocking at all locations.

- 6 Remove blocks, making minor adjustments to springs, if necessary, to level the equipment or adjust overall height.

- 7 The height from underside of bracket (or base) to floor, at each location should be recorded and checked after approximately 7 days and readjusted if there has been any settlement.

Snubber installation

- 8 Snubbers are inactive during normal operation and internal clearance must be maintained between the two halves of the snubber to prevent short circuiting of the isolation.
- 9 To maintain clearances around the neoprene bushing, the snubber comes complete with spacer washers and a spacer bushing (these remain in the snubber during installation ONLY).
- 10 Align snubber attachment plate with equipment attachment point ensuring that the attachment holes are aligned when the snubber baseplate is flat on the floor. If not, either redrill the mating holes in the equipment or shim the snubber baseplate face so that when secured, pressure is not applied to the removable spacers or neoprene bushing.

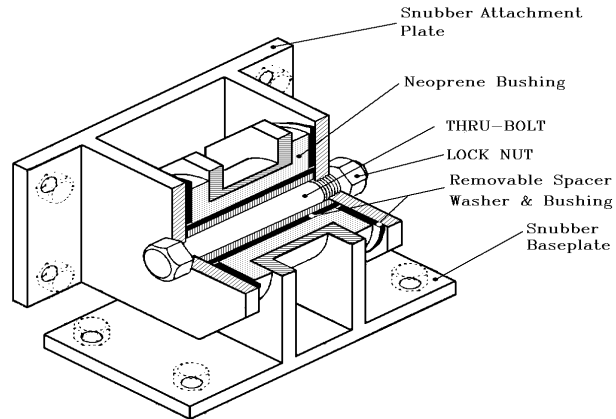
Installation Instructions

- 11 Temporarily bolt the snubber to the equipment and use the holes in the snubber baseplate to drill or mark for the specified anchor bolts.

Orient snubber so that the THRU-BOLT can be removed without interference.

Install anchor bolts as per manufacturer's instructions.

(SUBSTITUTION OF ANCHOR BOLTS FROM THOSE SPECIFIED ON THE ISOLATION SHOP DRAWINGS WILL VOID SEISMIC CERTIFICATION)



NOTE: In some cases either the snubber attachment plate or the snubber baseplate is to be welded to the equipment attachment point or an embedded plate in the concrete. **DO NOT WELD** both halves of the snubber to respective attachment points without receiving specific alternate instructions from Vibra-Sonic Control.

- 12 After preliminary installation, internal spacers must be removed to allow for a factory determined clearance between both sections of the snubber. There are two spacer washers and a spacer bushing that are to be removed as follows:
- Remove the lock nut from the through bolt and then remove through bolt (if this is difficult, it is likely that care was not taken during step 10).
 - At least one side of the snubber must be disconnected from the equipment or the floor. (mark its position before disconnecting).
 - Slide the two halves of the snubber apart and **discard the two thin spacer washers and one spacer bushing (the thin walled metal cylinder).**
- **** d) **Reassemble snubber** and re-bolt to equipment or floor. **(Ensure both sides of snubber are back in their original locations with through bolt installed and tightened as it was before dis-assembly).**

The finished installation will result in the equipment floating freely on the spring isolation with the snubbers attached firmly to the equipment and the floor with the factory clearance set up between the two halves.