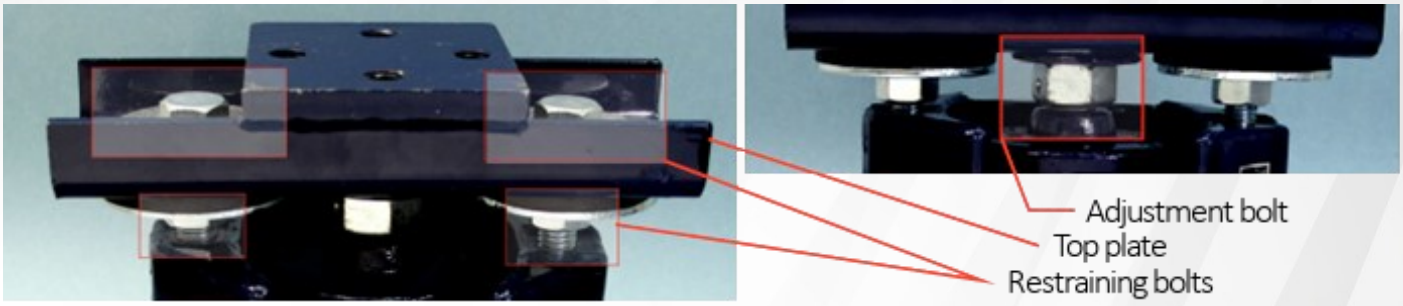
MASON UK LTD
Noise, Vibration &
Thermal Engineering

METHOD STATEMENT

Installation and Adjustment of Restrained Spring Isolators



Step 1 Place the equipment on temporary support blocks, at least 50mm high. These will be removed after the installation of the spring mounts. Position the mounts where required and keep them in their locked position with the adjustment bolt fully retracted and the restraining bolts locked against the top plate. The floor under the mounts must be flat and level. If mounts are to be welded in position then remove the rubber friction pad. Bolt or weld the equipment to the top plate.	**Step 2** Make all the required connections to the equipment and fill the system. The equipment should be at the normal operating weight before the springs are adjusted. Release all the restraining nuts and leave a 3mm clearance between each nut and the top plate.
Step 3 Turn the adjustment bolt on each spring mount with a spanner anti-clockwise 2 full turns. This starts to transfer weight to the spring, causing it to compress. Continually adjust the restraining nuts to maintain a 3mm clearance between each nut and the top plate.	**Step 4** Repeat Step 3 as many times as necessary until the temporary support blocks under the frame are *just loose* in all locations. If the blocks next to one mount start to become loose *stop adjusting* that mount and continue to adjust the others until all the temporary support blocks are *just loose*.
Step 5 Regularly check the equipment level and adjust each mount accordingly. Continue to turn the adjustment bolt anti-clockwise to lift further, or clockwise to lower. Continue to adjust the mounts until the equipment is level and all temporary support blocks are *just loose*.	**Step 6** When the equipment is floating on the springs and is level, ensure the restraining nuts still have 3mm clearance between the nuts and the top plate. Remove the temporary supports from under the equipment frame.

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