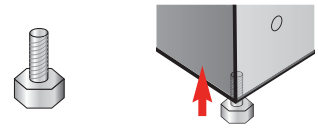
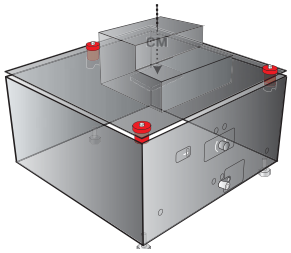
Quick Start
Installation and Adjustment

(A)



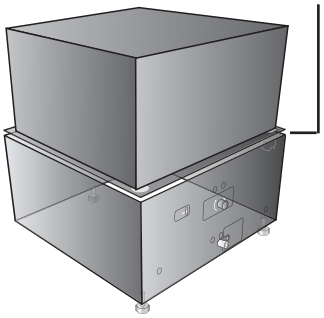
Center line

(B)



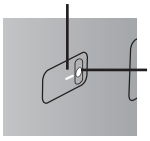
For leveling top plate gap should be equal on all sides

(D)



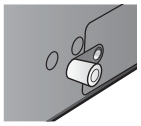
Horizon line

(E)



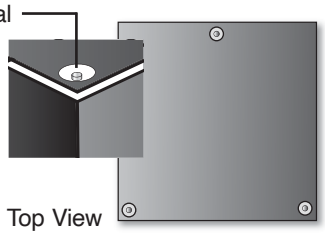
Correct

(F)

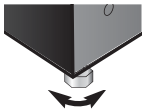


Incorrect

Horizontal Position Indicator (G)



Top View



CAUTION: Do not turn vertical stiffness adjustment screw before reading instructions.

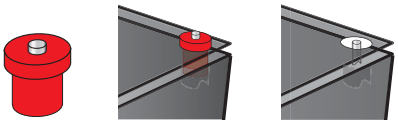
1. Verify that you have the correct model for your payload. Payload weight MUST be within the recommended range, which can be found in the “Installation and Adjustment” instruction book.

2. (For BM-1, BM-4, CM-1, LC-4U and SM-1 only) With red shipping collars in place, approximately level the isolator using leveling screws (A), clockwise to raise the isolator or counterclockwise to lower.

3. Carefully position payload so its center-of-mass (CM) is centered on the top plate (B).

If payload covers shipping collar holes (D), execute Step 4 (C) prior to Step 3 (B). TAKE EXTRA CARE when positioning payload without shipping collars attached. In this case, do NOT replace screws (as suggested in Step 3) as they may interfere with payload.

(C)



4. Remove the red shipping collars by unscrewing each screw one complete revolution then doing the same to each other screw, until all screws are removed. **This takes the load off the spring gradually preventing damage to the system**. (C). Replace the screws into the holes to serve as Horizontal Position Indicators

5. Reposition payload if necessary to level top plate (D).

6. Internal stops limit vertical motion. Isolator must “float” between stops as indicated by the Vertical Position Indicator (E). To line up pin with horizontal line, turn load adjustment crank (F), clockwise to raise the payload and counter clockwise to lower the payload, to line up pin with horizon line. If pin cannot be easily positioned on line, see “Floating Isolator Vertically” in “Installation and Adjustment” instruction book.

7. (For BM-1, BM-4, CM-1, LC-4U and SM-1 only) When the isolator is floating, the leveling feet control the horizontal position. Adjust leveling screws so that the isolator is floating horizontally and the shipping collar screws are approximately centered in their holes (G).

If payload covers shipping collar holes, adjust leveling screws so payload can oscillate freely front to back and side to side.

8. Check Vertical Position Indicator (E) again and adjust with load adjustment crank (F) if necessary.

9. To adjust frequencies, see “Vertical Natural Frequency” or “Horizontal Natural Frequency” if applicable in “Installation and Adjustment” instruction book.

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