Vibration Isolators...

SHAKE, RATTLE & ROLL!

Vibration isolators cushion your bird's high-powered and high-priced avionics gear against life-shortening vibrations.

Worn out isolators can't do the job. Neither can isolators carrying a load that's too heavy.

So check your bird's isolators often, not just during periodic inspections.

Make sure they're not overmatched by their loads. Compare the rated weight of each isolator to the weight of the equipment it supports. The rated weight of each isolator is usually printed on the casing.

If the rated weight of the isolator is less than the weight of supported equipment, replace the isolator.

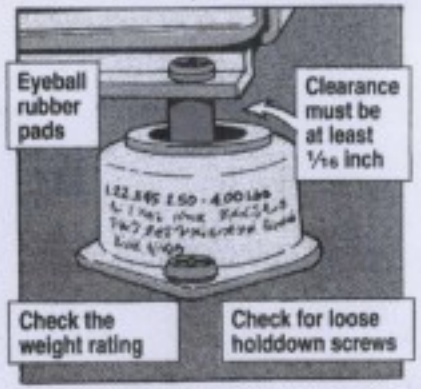
If you can't find the rated weight of an isolator or the weight of its supported equipment, measure the gap between the isolator and the equipment using a 6-in rule.

If the vertical and horizontal clearance is not at least 1/16 inch, replace the isolator.

Also check each isolator's rivets or holddown screws for looseness by moving the equipment to extreme positions in every direction.

If you find loose rivets or screws that you can't tighten, replace the isolator.

While you're at it, eyeball the sponge rubber or metal mesh pads on each isolator. If you find any separation of rubber-to-metal bond or cracks, replace the isolator.



Make these checks routinely and you'll turn bad vibes into good vibes.