

J.A. Michell Engineering Ltd.

DensoDamp Damping Kit For GyroDec Turntables

Instructions

DensoDamp is a specially formulated acoustic damping material designed to absorb and dissipate vibrations as heat. It is factory applied on the underside of the subchassis of J.A. Michell's flagship turntable, the Orbe. Since the Orbe and GyroDec share the identical metal subchassis, it was decided to produce this kit to allow GyroDec owners to benefit from the sonic improvements brought about by damping the subchassis with DensoDamp. Other brands of turntables and audio equipment may possibly benefit from the application of DensoDamp although we have no specific information to offer for other products.

The enclosed quantity of DensoDamp is sufficient for one GyroDec turntable and should be used in its entirety. The DensoDamp must be evenly distributed to specific areas on the underside of the GyroDec chassis. You may want to wear gloves as the black color of the DensoDamp may leave some residue on your hands. Alternately you may wash your hands after with a good waterless hand cleaner.

To begin, first strip the metal subchassis of belt(s), platter, spring caps, armboard and bearing. Place the metal subchassis upside down on a flat surface covered with newspaper, or a towel to protect the chassis finish.

Knead strips of DensoDamp into the bottom of the metal chassis between all the ribs, applying it evenly to all eight areas shown in the diagram below, to a thickness of about 1/8". Do not apply all the way up the walls of each rib. Instead, form a fillet where the rib walls meet the chassis. Do not apply closer than 1/4" to the two lead weights or on the weights themselves. You may find a pencil eraser helps to push the DensoDamp into the corners. Two 5/16" diameter pieces of DensoDamp 2 1/2" long should be formed and applied to each ear of the chassis between the raised bosses. These should be pushed into these areas producing a fillet which joins the wall and the bottom of the chassis. The idea is to damp the ears as much as possible. If any material is left over, distribute it around evenly to maintain the static balance of the GyroDec chassis. When you are finished you should have applied DensoDamp to the bottom of eight different areas plus a total of four fillets in the two ears that surround the motor or support the armboard. Reassemble and adjust the turntable as before.

