

PWB

“Sol – Electret”

A unique lubricating system with extraordinary electrical properties.

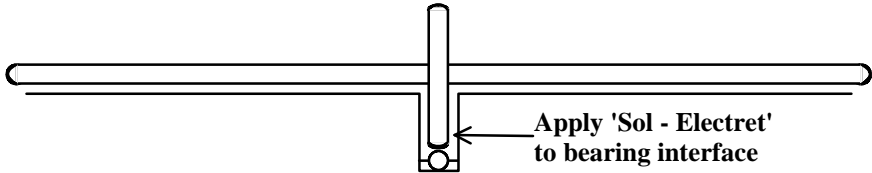
‘Sol-Electret’ is a lyophobic colloid combining a special mixture of high grade lubricating oils and billions of microscopic P.T.F.E. spheres. A common usage of P.T.F.E. is to form non stick surfaces and the combination of the P.T.F.E. spheres within the lubricant, produces a unique and very superior lubricating oil.

Surprisingly, the most outstanding feature of ‘Sol-Electret’ is not the greatly enhanced lubricating property but a new and unique electrical property. A lyophobic colloid consists of minute particles dispersed within a liquid. The particles within the liquid remain evenly suspended, defying gravitational settlement by virtue of possessing a dominant repulsive electrical charge. By utilizing a series of newly developed techniques, the P.T.F.E. spheres within ‘Sol-Electret’ now possess an extraordinarily high electrical charge. When ‘Sol-Electret’ is placed on an interface surface, whether the interface is between a rotating spindle and its bearing or the interface of a stationary electrical contact, a high electrically negative charge barrier will be created at the interface surface.

An increasing number of astute listeners to music reproduction equipment are now understanding that an adverse electrical charge, originating from the A.C. power supply within buildings, is responsible for greatly reducing their ability to perceive and distinguish complex sounds. Recently P.W.B. introduced a number of Electret devices to neutralize specific areas of this adverse energy. This latest P.W.B. product ‘Sol-Electret’ is probably our most effective single electret treatment so far. Applying it to the following suggested places will make a substantial improvement to the perceived musical sound.

Record Player

The spinning metal platter and plastic vinyl disc interact with the energy field surrounding the drive motor. The direction of charge is towards the motor and the A.C. supply entry point into the record player. If a negative electrical charge is present at the interface of the platter spindle and the spindle lower bearing housing, the effect of the adverse electrical charge present will be substantially neutralized.



It is necessary to remove as much of the previous lubricant as possible. This is easily achieved by using absorbent paper handkerchiefs. Twist the handkerchief into a thin spiral and rotate the paper into the bearing housing. The spindle is easily cleaned by wiping with absorbent paper. A further improvement will be made by applying a coating of 'Sol-Electret' to the interface of any two part detachable hinge fitted to the record player plastic top cover and the plinth.

Before replacing the oil in the bearing of a favorite turntable, test the validity of our claims by applying 'Sol-Electret' to the pins of the A.C. plugs within the building.

'Sol-Electret' is a high grade electrical insulating material. It is capable of withstanding the pressure of hundreds of volts, yet applying it at the interface of electrical conductors is very beneficial. When two metal conductors are pressed together, only a relatively small number of high spots conduct electrical current. A large area situated below the high spots does not conduct conventional electrical current. It is these voids which when filled with 'Sol-Electret', prevent surface electrical charge bridging the two metal surfaces at the interface.

A.C. mains plugs

Apply to all three pins of an A.C. mains plug a generous coating of 'Sol-Electret'. The metal end caps of the fuse and the fuse holder should also have a coating applied to them. Apply a coating to the threads of the mains plug cover retaining screw. It is not necessary to apply 'Sol-Electret' to the A.C. mains socket.

As all electrical apparatus within a building, including audio equipment, T.V. and video equipment, computers, refrigerators, electric fires etc., aggravate the adverse electrical charge within a building, it is necessary to treat all A.C. plugs.

After treating all the A.C. mains plugs and listening to the audio system for a period of time, we suggest the removal of the 'Sol-Electret' from the pins and fuse ends etc. of

the A.C. plug attached to the record player. This is easily achieved using absorbent paper.

Listening to the audio system again should now produce an adverse reaction to the sound. Each individual improvement to the listening environment raises the brain's threshold level of consciousness and the reintroduction of any adverse energy charge produces an adverse reaction to the new state. Replace the 'Sol-Electret' to the record player mains plug.

Interconnecting leads.

All signal carrying plugs benefit from having their metal pin surfaces covered with 'Sol-Electret'. Treating the 4mm speaker plugs is particularly beneficial. The metal parts of the jack plug of a headphone should be coated with 'Sol-Electret'. A television co-axial lead efficiently interconnects by electrical charge, the high points of a building to the lower parts. Buildings with adjacent T.V. aerials have interconnected adverse charge relationships. Always apply a coat of 'Sol-Electret' to the co-axial plug and socket of T.V. and video equipment. All radio aerial plugs and sockets should be similarly treated.

P.U. Cartridges.

The interface of cartridge pins and arm lead sockets benefit from a surface layer of 'Sol-Electret'. A large number of magnetic cartridges have detachable stylus assemblies. The interface between any of the plastic surfaces on the stylus assembly and the cartridge body should have a thin coating of 'Sol-Electret' applied to them. Unfortunately, it is usually difficult to lubricate P.U. arm bearings after assembly, any counterweight that can be removed should have a coat of 'Sol-Electret' applied to any screw thread or counterweight retaining screw or the spindle to counterweight interface.

Compact Disc player.

A profound improvement to a C.D. player can be made by applying a generous coating of 'Sol-Electret' to the spindle that carries the laser scan motor assembly. All moving interface surfaces of the disc loading mechanism should have a coating of 'Sol-Electret' applied to them. The application of the high grade lubricating liquid to all these moving interfaces, produces a much smoother mechanical operation.

Loudspeakers.

Apply a generous coating of 'Sol-Electret' to the threads of all loudspeaker drive unit fixing screws. All screws within a loudspeaker stand, including any screws securing the loudspeaker to the stand should have their threads coated with 'Sol-Electret'. Also coat the threads securing any spikes. In the absence of screws securing the loudspeaker cabinet to the stand, the adhesive Blu-Tack is commonly used in this position. If a little 'Sol-Electret' is worked into the Blu-Tack, the Blu-Tack will

acquire a negative charge, greatly improving the electrical charge isolation of the loudspeaker.

'Sol-Electret' can be used in many other situations than interface surfaces. Apply a thin coating to the plastic metal dome of the high frequency units and to the central dome area of the plastic cone of a bass unit.

Amplifiers, C.D. players, Tuners etc..

Removable knobs from amplifiers and other audio equipment should be removed and a coating of 'Sol-Electret' applied to the spindle. The fixing screws of all covers and loose bottoms should have their threads coated with 'Sol-Electret'. Valve pins should have a thin coating applied to all the metal connecting pins.

Batteries.

Batteries within torches, calculators, T.V., C.D. player remote controls, clocks, portable radios, Walkman type cassette players etc., should have 'Sol-Electret' applied to both battery connections.

Telephones

The telephone system interconnects many adjacent buildings, aggravating the adverse charge situation. Apply 'Sol-Electret' to the pins and the plastic case of the telephone plug connecting the lead to the wall socket, also the screws securing the telephone wall socket. The plug on all extension telephones should be similarly treated.

The fabric of a building has an adverse electrical charge covering most of its surfaces. The charge concentrates in certain areas, windows and doors are a particular problem area. Applying a coating of 'Sol-Electret' to the threads of some screws fixing window catches, applying a coating to the door catches and door lock bolts, improves the perceived sound within a listening room. It is worthwhile applying a coating of 'Sol-Electret' to some of the screw threads within a bathroom. We suggest such places as towel rails, window catches and cupboard door catches.

It will be found that treating the screw thread of any screw anywhere within any room in the building will improve the perceived sound within the listening room.

The castors of furniture should have a coating applied to the spindle and bearings.

TO AVOID AIR LOCKS IN THE APPLICATOR, DO NOT WITHDRAW THE PLUNGER AFTER USE.

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