

Battery sulfation facts and why we remove it..

What is DESULFATION?

Lead-acid batteries (golf cart batteries) work by releasing energy through an interaction that occurs between the positive and negative lead plates and the lead sulfates in the electrolyte.

Sulfation buildup occurs as lead sulfates form on the battery plates during the normal charge and discharge cycles. During this process, some of the sulfates enlarge to the point where they won't accept energy so they stay on the plate. Over time, these sulfates can build up until they reduce efficiency and the battery dies.

Pulse Technology works to prevent sulfation buildup by removing the sulfate deposits from the plates through a unique *Ion Transfer* process. The lead sulfates then return to the battery acid as *active* electrolyte. When connected on a regular basis, our battery maintenance systems will also keep the sulfates from building up again.

Clean plates help the battery perform at peak efficiency and battery life extends dramatically. Charge acceptance is greater so the battery recharges faster and with better quality. That means the battery charges to full capacity so more energy is available to your vehicle.

Small devices are available and will eliminate them over years, but commercially available machines can desulfate batteries within hours and this is the technology we use.

If this is done on a yearly basis, we can do it within a day, but when batteries have never been done it can take days to accomplish as we have to desulfate and charge the cart and repeat until we can no longer see any changes in the batteries by the hydrometer testing we conduct. Also, if there are any shorted or broken cells in the batteries they can not be revived.

The reason we do battery sulfation is to give our customers the best batteries in used carts. We take our reputation seriously and it is the reason we are the oldest dealer in S.E. Michigan and been in business over 18 years. We understand it is a major purchase to our customers and we want to give you what we would like to receive when we purchase products. We are not in it for the sale, but for the long run and to be the best dealer we can possibly be.