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in...



TIMES

MAGAZINE FOR EARLY FORD V-8 ENTHUSIASTS

keepin' it charged...



By Jerry Windle

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The May/June, 1997 V-8 TIMES reported on a battery "Charger-Maintainer" from VDC Electronics. Unlike a trickle charger, this electronic device not only charged but maintained that charge preserving battery life..

VDC has now introduced an updated version called the BatteryMINDER which now can "de-sulphate" lead-acid batteries as well as maintain the Optima batteries making it ideal for our V-8s since they often sit for long periods of time between use.

Your battery is dying a slow death! It's dying from something called "sulphation." This is especially true of batteries in our old cars where they may sit idle for weeks or months at a time. "Sulphation," the number one cause of early battery failure, is simply crystals of lead sulphate (PdSO4) which have formed on the lead storage plates in a lead-acid type battery.

When a battery is improperly charged (over/under) or allowed to self discharge as occurs during storage-non-use, these crystals build up on the battery's storage plates preventing the battery from ever being fully charged and therefore unable to deliver their full power/capacity.

Every element known has a magnetic "moment" at a resonant frequency, i.e, a point at which the chemical bond holding molecules together to form a crystal can be broken.

VDC Electronics, Inc. has created a simple method of generating the required resonant frequency (3.26 megahertz pulse) to breakdown the lead sulphate crystals, allowing the molecules to return to the battery's electrolyte. By creating a wave form with the required 3.26 mhz frequency, coupled with a very fast rise time and a high amplitude pulse, more energy is developed to breakdown sulphation than by any other method believed to exist.

The device is called the BatteryMINDER. It functions as a battery charger, battery maintainer and conditioner all in one. It's the first in the new generation of "computer-on-a-chip" designs which automatically charges any type of 6 or 12-volt storage battery - not only does it never overcharge, but it also

conditions "sulphated" batteries. It reverses the primary cause of battery failure. Batteries that were considered unrecoverable now can be brought to a long-term useful condition.

Using patented PulseMode circuitry, high frequency pulses break down sulphated crystals. The battery can then reach its full charge level.

The BatteryMINDER works with standard, sealed gel and deep cycle batteries (up to four at a time). It generates no heat even over months of non use so no water is boiled away by excessive heat. Thus no water need be added to the battery. Battery lead attachments allow it to charge the battery while it's still in the vehicle. The compact device plugs into any wall outlet (12-foot cord) and comes with a hydrometer-type battery tester, quick connect assemblies, and a five year "no exclusions" warranty. The 12-volt BatteryMINDER has proven itself. Now VDC is introducing the same technology in a six-volt version (Model 12106) which will be ideal for old car owners with six-volt systems, whether they be lead-acid or the gel-cel batteries.

If the BatteryMINDER is to be used on the Optima battery, a special adjustment needs to be made to the charger. VDC will do this for an additional \$5.

The BatteryMINDER retails for \$59.95 for either the 12-volt version Model 12112 or the 6-volt version Model 12106.

For more information: VDC ELECTRONICS, INC., 83 Cedar Lane, P.O. Box 5537, Englewood, NJ 07631 (800) 379-5579. Or visit website: www.vdcelectronics.com

