

Quick Tips!

Cold affects your battery!!! Electrical current is produced by a battery when a connection is made between the positive and negative terminals. When connected, an internal chemical reaction generates electrons to supply the current to your vehicle's electrical devices. Lower temperatures cause that chemical reaction to slow. The Hawker® battery is MIL-PRF tested to operate from -40° F (-40° C) up to 176° F (80° C). Even at 0° F (-18° C) the Hawker® can provide over 1225 Cold Cranking Amps (CCAs). However, at -40° you'll have about 600 CCAs. So, to keep your Hawker® batteries operating at their peak performance, always keep them fully charged at or above 12.85V and protect them from temperatures below -40°.

Do you know:

that an alternator is a variable speed, variable load, battery charging system and that output voltage varies in proportion to the alternator's revolutions per minute (RPM). So then, how does the alternator act as a constant voltage charging system? Answer: through the use of a solid state voltage regulator. In most cases, the voltage regulator is attached directly to the outside housing of the alternator. Additionally, certain voltage regulators manufactured for use on military vehicles have a selector switch on them where the mechanic selects the appropriate setting between a 6TMF battery or a Hawker® 6TAGM battery. **Unsure if you have a switchable voltage regulator?** Check the data plate on the regulator (e.g., it may state "BATT SEL") or contact the alternator OEM.

Answer to question from last issue:

Why the Hawker® battery weighs so much... in this corner you have the standard 6TMF "flooded cell" battery weighing in at 73 lbs wet....and in the other corner you have the Hawker® 6TAGM weighing in at 88 lbs! Let's get ready to....? No, it's not a fight, it's simply the technology. Standard 6TMF batteries must allow for spacing between the negative and positive plates for the liquid electrolyte. The Hawker® 6TAGM battery does not since the electrolyte is absorbed in glass-mat technology that is placed between the plates. The lead plates and the AGM material are compressed together and placed in each of the six cells in the battery. Due to this compression, the Hawker® contains more plates, therefore more material, and viola...more weight! More weight = more power!

Training:

Studies show that 75% of all Hawker® batteries red tagged for disposal are still serviceable and some have years of life remaining. So, why train the troops to shoot, move, and communicate but not recharge a battery? **In FY10**, the Hawker® FSR team trained over 200 units/motor pools at NO COST. Why wasn't yours one of them? **Interested?** Contact us, it's that simple.

Questions?

Check out our website at: www.hawkeraplus.com
or call us at 877-485-1472

Next Issue:
Why the Hawker® battery has more CCAs than a 6TMF battery.



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