## Quick Tips!

Basic battery configurations:

- *Parallel (rare in the military fleet)*
- *Series (e.g., HMMWV, MTVR, TQGs)*
- *Series-Parallel (e.g., FMTV, LVS, HEMTT, PLS, HETS, M915, M916, ASV, MRAP, Stryker, LAV, M113)*
    - *Note: the M1A1/2 has 6 batteries in series-parallel & the M1A2 SEP has two sets of 6 batteries with each set in series-parallel*
- * Note: diagram voltages and CCAs are nominal

Parallel Connection
= 12 Volts, 2450 CCAs, & 240 Ah

12 Volt 1225 CCA 120 Ah
12 Volt 1225 CCA 120 Ah

Series Connection
= 24 Volts, 1225 CCAs, & 120 Ah

12 Volt 1225 CCA 120 Ah
12 Volt 1225 CCA 120 Ah

Series-Parallel Connection
= 24 Volts, 2450 CCAs, & 240 Ah

12 Volt 1225 CCA 120 Ah
12 Volt 1225 CCA 120 Ah
12 Volt 1225 CCA 120 Ah
12 Volt 1225 CCA 120 Ah
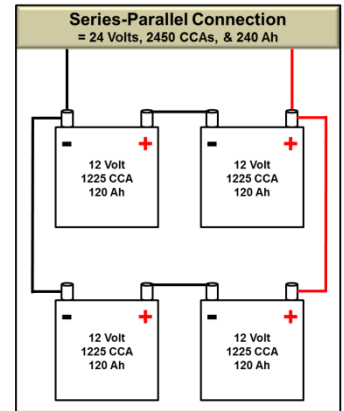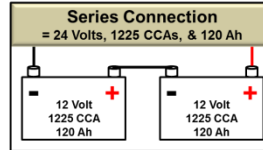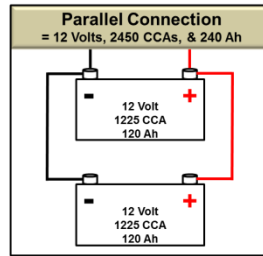
Answer to question from last issue:

Should I charge multiple batteries individually or together as a system? Multiple batteries can be charged as a system…that's how the vehicle's alternator or generator does it. **However**, if there are differences between each battery's voltage (by 1 or more volts) in the battery pack…**they should be charged individually**.

Did you know:

that there are many ways to identify the positive & negative terminals on a **Hawker® Armasafe Plus™ 6TAGM battery…** *even in low- or no-light situations?*

- Out-of-the-box, the positive terminal has a red cap, the negative terminal has a black cap
- The top of each terminal is stamped with either "+" or "-"
- Beside each terminal, the plastic case is embossed with either "+" or "-"
- The positive terminal is larger in diameter
- The positive terminal has a round, red sticker that surrounds it
- The positive terminal side has raised ridges above Armasafe Plus™ sticker

Training:

Since last issue the *WI ARNG, IA ARNG, TX ARNG, JTF-CS, Red River Army Depot, & MCB Camp Pendleton received* **FREE** battery maintenance and recovery training (BMRT). *Isn't it your turn???*

Contact a Hawker® FSR today!

Next Issue:
Is a voltmeter or multi-meter sufficient to test and evaluate a battery?

Questions?

Check out our website at: www.hawkeraplus.com
Call us at 877-485-1472
Connect with us on:

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