Your Battery Maintenance Solution Source

Spring Newsletter – 2024

Spring is finally here! Warmer temps, birds chirping, flowers popping, and some new battery charging requirements on many of the JLTV Variants!

Have you seen TACOM Maintenance Action message MA 24-019, Mar 2024 covering JLTV models M1278/A1, M1279/A1, M1280/A1, M1281/A1 and M1289?

- **Under User Actions, paragraph 5 states that the JLTV batteries must be charged by Active Units every 90 Days and by ARNG every 120 days!**

In this newsletter we have addressed some steps which can be used to easily comply with this new requirement utilizing your PulseTech gear.

Reminder: Using PulseTech chargers the Primary and AUX batteries on JLTVs (and other equipment) can be initially charged WITHOUT having to remove the batteries from equipment or even loosen cables.

We recommend charging the Primary (Red Top Optima) and Auxiliary (Yellow Top deep cycle Optima) batteries separately vs all at once. Why? In many instances the 2 sets of batteries come out of balance (more than .5V). When this happens, and charged together there can be excessive off-gassing and damage to the batteries can occur.

Primary Batteries: Charger needed: ProHD, NSN 6130-01-500-3401.

- **Fix: Connect the ProHD Charger directly to the NATO plug on the vehicle.**
  - **The ProHD is an Auto Sensing, 12 / 24V, 50+A, high-frequency pulsation, microprocessor-controlled roll around shop charger.**
- **If the batteries are above 15V the charger will auto engage at 24V and charge both primary batteries at once.**
- **If the charger does not engage at 24V or goes to 12V (or does not engage at all) then the 2 primary batteries are below 15V, highly sulfated, or dead.**

- **When this happens on a JLTV we recommend lowering the battery tray for access to test and charge the batteries.** **Continued next page.**

Your Battery Maintenance Solution Source

Spring Newsletter – 2024

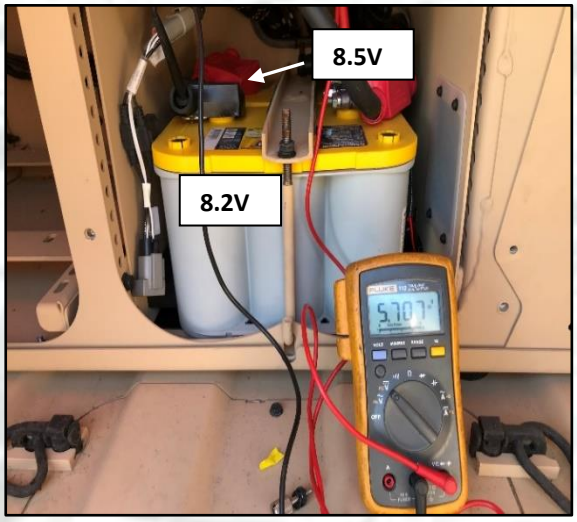
Example at right: 2 JLTV Primary batteries in series, tray dropped, and *Main NEG disconnected. *Not required to test or charge with PulseTech gear.

- Left is 6.5V, right is 4.0V, 10.5V total.
- These batteries are out of balance, and below 15V.
- Fix: Use the ProHD to charge the 4V battery first. Bring it up to at least 8V and then charge the 6.5V battery to at least 8V. This will not take long, maybe 15 minutes.
- Once the pack is above the 15V threshold, engage both in a 24V charge cycle by placing the alligator clamps on the main POS and Main NEG.

Aux Batteries: Charger needed, ProHD NSN 6130-01-500-3401.

Example at right: 2 JLTV AUX batteries, in series, access cover removed. Note: on JLTVs with tight space AUX battery access we recommend disconnecting the main negative terminal before charging with a ProHD.

- Outside battery is 8.2V, inside is 8.5V, 16.7V total.
- These batteries are in balance, and above 15V.
- Fix: Use the ProHD alligator clamps to connect directly to the main POS and NEG terminals on the batteries.
- Note: As with the primary batteries, the system must be at 15V or above for the ProHD to engage at 24V charge. If below 15V individual batteries must be charged separately.



NOTE: Alternate chargers for JLTV Pri or AUX batteries would be the Pallet, Pro-PC-6, Pro-PC-12, or SC-2. These are small clamp 12V chargers where individual batteries would need to be charged with no need to remove batteries (except dropping the tray for the primary) or disconnect cables.

Contact your PulseTech FSR for additional information such as engaging dead batteries WITHOUT having to remove them, solar maintainers to meet the new DA PAM 750-1 requirements, on-site support visits / BMMP training, or with any gear questions.

FSR Title / Locations / Units Supported:	Name	Email
VP Military Programs, Eastern US, International	Roy Johnson	rjohnson1@twcny.rr.com
FSR, South Central / SW US, HI, Pacific	Tom Pigorsh	tom.pigorsh@comcast.net
FSR, North Central / NW US, Alaska	Adam Hagenston	adam.hagenston@yahoo.com

Website: WWW.PULSETECH.COM **Online catalog:** PulseTech Products - Military Catalog 2023/2024 (dmtmag.com)