



Roll-up of Articles
June 2023

General and Special Topics





Food Service: Connelly Awards Announced

/ Published June 1, 2023

BLUF: The 55th annual Philip A. Connelly awards have been announced.



Photo by [Spc. Sean Walker](#)

The list of the FY23 annual winners of the Philip A. Connelly awards has been released. The awards recognize excellence within the Army food program. The awards are named after Philip A. Connelly, a leader in food service management. The purpose of the awards include:

- Promoting Army food service through incentives, competition and media attention.
- Recognizing deserving units for superb performance.
- Awarding individuals for stellar management practices.
- Honoring the traditions of the Philip A. Connelly Awards Program.

To see who won, visit our milSuite page [HERE](#). You'll need your CAC.

To read more about the goals and history of the Philip A. Connelly program, go [HERE](#).



I Sustain This: May 2023 Nominees

/ Published June 5, 2023

PS Magazine's *I Sustain This* campaign is designed to recognize civilian sustainers who exemplify the highest standards while maintaining equipment to meet combat readiness requirements and stay in the fight, even under the most arduous of circumstances.

For May 2023, we had two (2) civilian sustainers nominated for this program. One was selected at random to receive the spotlight, and that individual was Christian Rivera of the 81st Readiness Division, Equipment Readiness Site 126, Puerto Rico. Also nominated was Lance Jemison from the TACOM Fleet Management Expansion (FMX) office, Ft Gregg-Adams, VA.

Spotlight Profile



Christian Rivera (seated right)
Army Civilian

Maintenance Administrative Service Technician
81st Readiness Div., Equipment Concentration Site 126
LTC Hernan G. Pesquera Juana Diaz, PR
Nominated by: Juan Mateo

Why does this person deserve recognition? Mr. Rivera supports 42 units here at Equipment Concentration Site 126. He's an excellent data manager within the Global Combat Support System-Army who has ensured that unit equipment is properly synchronized and laterally transferred in and out of the ECS's storage locations and coordinated with 1st Mission Support Command to receive and issue new equipment with zero deficiencies. He is constantly assisting the supply sergeants' issues and concerns dealing with unsynchronized data, incorrect serial numbers and daily opening and closing work orders supporting stored equipment. He is always willing to mentor and teach his co-workers. Mr. Rivera performs well above his position requirements and is always ready to go the extra mile. He also willingly adapts to change and constantly communicates the importance of safety regulations and the use of personnel protective equipment.

Additional Comments: He recently retired after 30-plus years in the Army reserve with multiple deployments to the Middle East. Mr. Rivera's efforts and his uncompromising technical proficiency contributed to the overall success of the 81ST Readiness Division mission.

Also Nominated



Lance Jemison

Army Civilian

Heavy Mobile Technician

TACOM Fleet Maintenance Expansion (FMX) office, Ft Gregg-Adams, VA
Maintains: M88A1, M88A2, M113A3, M1089A1, M1089A1P2, M1075A1, and M10000
Forklift

Nominated by: Kevin Peavy

Why does this person deserve recognition? Mr. Jemison maintains a wide array of fleets used by the training base at Ft Gregg-Adams' North Range. His attention to details and superior maintenance knowledge enables TACOM FMX Ordnance Division, North Range, to administer organizational maintenance procedures to accomplish the critical objectives of no missed training, while maintaining readiness rates above 90-percent fully missioned capable status, and adherence to funding goals. As an additional duty, Mr. Jemison administers the North Range Hazmat Environmental Program, which ensures compliance with installation and unit requirements.



I Own This: May 2023 Nominees

/ Published June 6, 2023

PS Magazine's I Own This campaign is designed to recognize Warfighters of all services who exemplify the highest standards of care for their assigned vehicles and equipment and contribute in meaningful ways to their unit's overall maintenance and supply posture. In short, they live and breathe readiness.

For May 2023, one Warfighter was nominated for this program: SGT Cameron C Clendon, THAAD Team Leader, Ft Cavazos, TX.

Spotlight Profile



SGT Cameron C. Clendon

Army/Active

Launcher Operator/Team Leader

E-62 THAAD BTRY, 4-5 ADA BN, 69th ADA BDE

Ft Cavazos, TX

Nominated by: 1LT Caleb Hayes

How you came to know/observe the nominee's actions? As Platoon Leader for Launcher Platoon, I have responsibility for the accountability and maintenance of our equipment and see first-hand what SGT Clendon does.

Why does this individual deserve recognition? SGT Clendon is often the sole reporter of status and operator/maintainer of launcher equipment each and every week. He takes great pride in the accountability and maintenance of each piece of equipment at the Solider level, to include trucks/launchers, communications equipment and other sensitive items. His dedication to the care of our equipment makes the Army a more lethal force.



Safety: Lethal Means Safety Can Reduce Suicides

/ Published June 7, 2023

BLUF: Secure personal weapons, prescription drugs and other lethal items to prevent potential for self-harm or danger to others.



Photo by [Spc. Mariah-Alexsandra Manandic-Kapu](#)

“Lethal means safety” (or the safety of lethal means) is an approach to safety that advocates for storing items such as guns, prescription drugs and other items that could be used in a suicide attempt. Statistics show a 91% reduction in such attempts when lethal means are secured.

For a lethal means safety toolkit, as well as other resources, download a poster fact sheet [HERE](#). Post these liberally around your unit's common areas.



Half-Mast Sends: The Long, Hot Summer

/ Published June 8, 2023

BLUF: Soldiers and equipment alike need to be prepared for summer's challenges.



Photo by [Spc. Charles Probst](#)

This article initially appeared in PS 764, p. 1 (Jul 16).

You know it's that time of year again when you see heat waves shimmering off the pavement. The days are getting longer and oh so hot.

Many a Soldier has been surprised by summer's intensity. Sometimes heat attacks directly, sizzling right down to your bones, making every move feel slow and awkward as you drip with sweat and struggle to finish simple tasks. Sometimes the attack is indirect, as heat wreaks havoc on your equipment that worked so well when the temperatures were cooler.

Crave a cool drink, Soldier? Well, so does your rig. Wanna sit a spell in the shade and

catch your breath? That generator probably needs a break, too. Both personal and preventive maintenance are key to surviving a brutal summer.

Hot weather brings many challenges to missions and survival. Meeting those challenges demands preparation, long before you feel the beads of sweat rolling down your brow.

You'll find that *PS* articles can help you prepare for the worst summer throws your way. Use *PS* along with the good word in your equipment TMs and you may find that one preventive maintenance tip that saves your mission—or your life.



Maintenance Mgmt: DA Form 5990-E Now Required

/ Published June 8, 2023

BLUF: Service packets must now include DA Form 5990-E.



Photo by Capt. Travis Mueller

Dear Editor,

I'm aware that many units already include a DA Form 5990-E, Maintenance Request Electronically Generated Form (EGA) in their service packets, along with other required forms. But an update to DA PAM 750-3, *Guide to Field Maintenance Operations* (Apr 23) now makes this form mandatory. Take a moment to review page 31, para. 7-2.c., of the PAM.

Click on the image below to access the pamphlet.

c. *Submitting service packets.* When field maintenance personnel perform scheduled services on a piece of equipment, they should complete and return the following forms as part of the service packet:

- (1) A current completed DA Form 5988–E used for field-level PMCS with signatures and corrective action initials, which operators are to submit with equipment to be serviced. DA Form 5988–E must include all actions that were performed at a minimum. This does not include all checks completed, only actions.
- (2) The original DA Form 5988–E used for QA/QC to close out service with signatures and corrective action initials.
- (3) An updated DA Form 5988–E with all uncorrected faults and parts required entered in GCSS–Army upon completion of the scheduled service.
- (4) A copy of the closed DA Form 5987–E or DD Form 1970 for initial and final road tests upon completion of the scheduled service (for motor vehicles only).
- (5) A completed work order as part of service packet (DA Form 2407–E or DA Form 5990–E (Maintenance Request (EGA))).

Click on image above to access this PAM on the Army Publishing Directorate website

David Whitmire

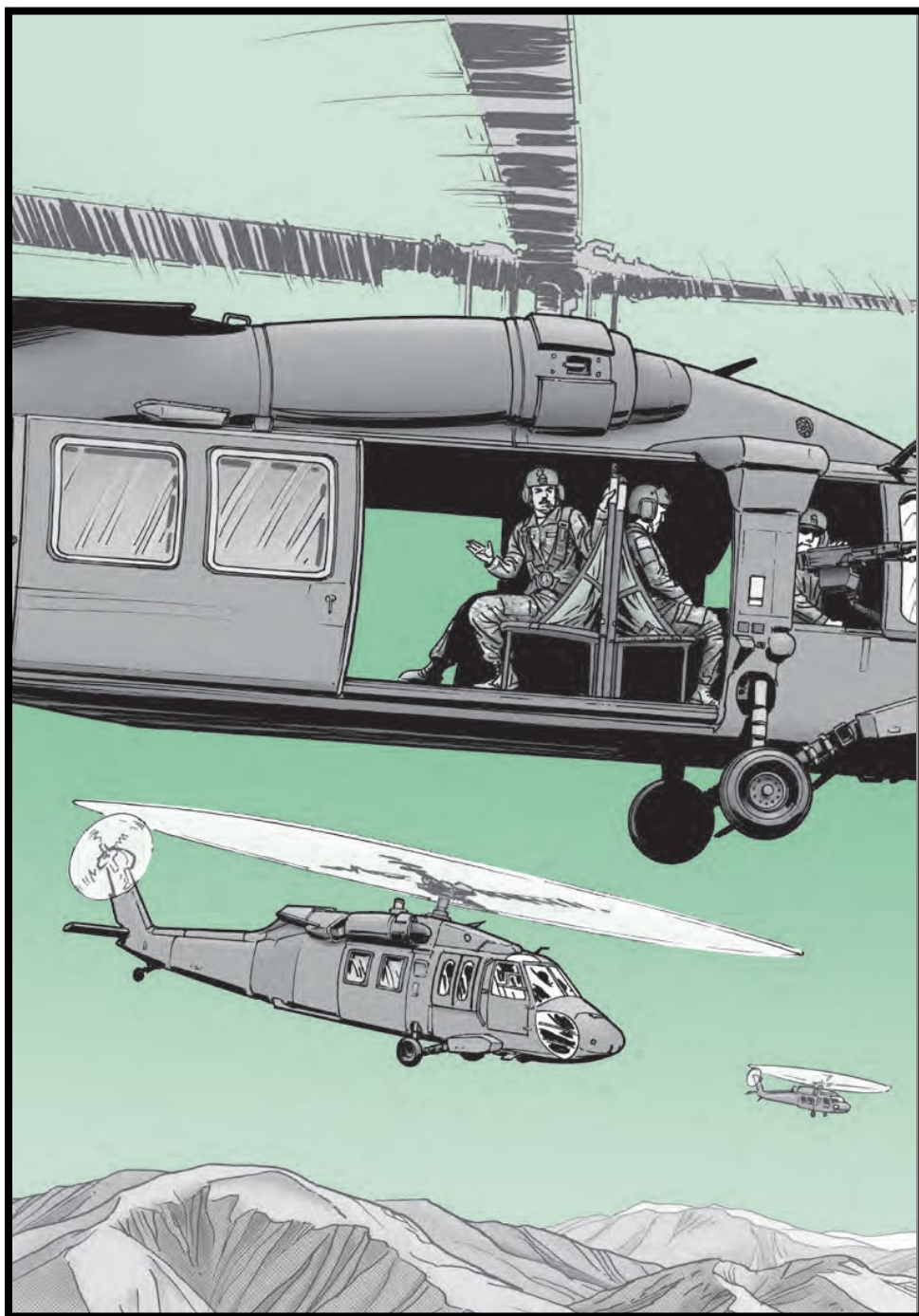
I CORPS G4 COMET Team

JBLM

Editor's Note: *Mr. Whitmire, thanks for the heads up about the new requirement.*

Soldiers, keep this new change in mind when you're submitting service packets.

Aviation





AH-64E Apache: Inspect for Missing or Loose Set Screws

/ Published June 2, 2023

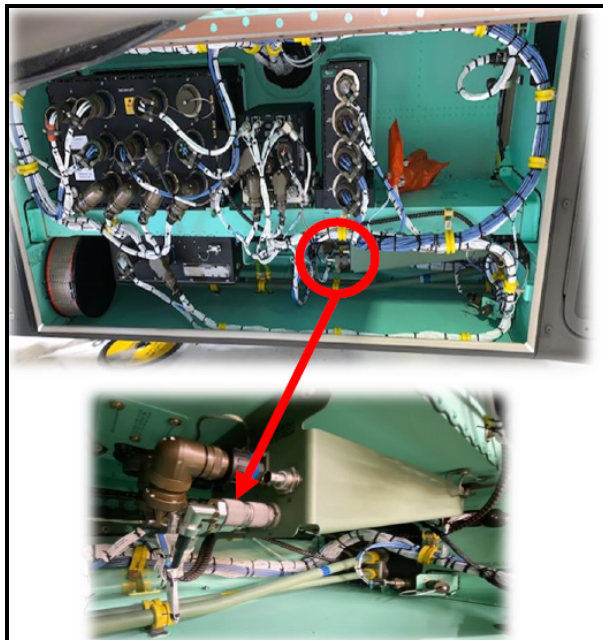
BLUF: Inspect W111 and W112 wire harness 90-degree connectors to see if they're loose or missing; if either, repair or replace.



Photo by Sgt. Savannah Roy

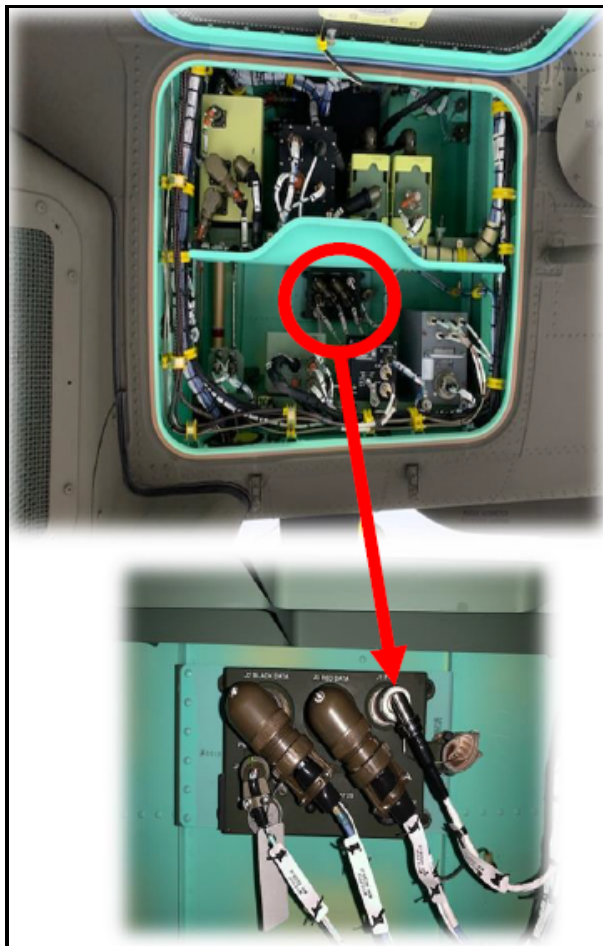
Mechanics, a one-time inspection is required to check for loose or missing setscrews on the W111 and W112 angled connectors as stated in aviation maintenance action message (AMAM), H-64-23-AMAM-09. The AMAM has instructions for what to do if the setscrews are loose or not installed at all.

The W111 connector is in the left hand (LH) mid extended forward avionics bay (EFAB).



Inspect W111 connector for missing or loose setscrew

The W112 connector is in the left hand (LH) AFT avionics bay.



Inspect W112 connector for missing or loose setscrew

Follow all the instructions in H-64-23-AMAM-09 for compliance. Also, units must make

an initial TAMMS-A entry upon receipt of the AMAM that they will comply with its instructions by 9 Jun 23. If aircraft are in transit during this period, units have up to 30 days after arrival at their destination to make the initial entry.

To view the detailed instructions for the setscrews in the AMAM, click [HERE](#). Click on Consolidated Listings, select Aviation as the Record Type, H-64 as System Type and AMAM as Message Type. Then click Search. Results are listed in chronological order.



Air Warrior: Two Types of Snaps for Your PSGC

/ Published June 6, 2023

BLUF: Here's how to order replacement snaps for the new primary survival gear carrier (PSGC), NSN 8415-01-620-3360.



Photo by [Spc. Tori Miller](#)

Your new OCP pattern primary survival gear carrier (PSGC), NSN 8415-01-620-3360, PN 1006021-1, has two types of snaps: plain snap and pull-the-dot snap. Each snap consists of four pieces: cap, socket, stud and eyelet.

If either of these snaps is defective or missing, and there's no stock on hand in the shop, you can order them.



Replace missing or damaged snaps on PSGC

Here are the NSNs to replace defective or missing snaps on your PSGC.

Plain Snap

Item	PN	NSN 5325-
Cap	MS27980-1B	00-359-6844
Socket	MS27980-6B	00-285-6250
Stud	MS27980-7B	00-842-1879
Eyelet	MS27980-8B	01-023-3843

Pull-the-dot Snap

Item	PN	NSN 5325-
Cap	MS27983-1	00-891-9073
Socket	MS27983-2	00-945-2577
Stud	MS27983-3	00-276-4908
Eyelet	MS27983-4	00-276-4978

To learn more, read the PSGC IETM on the Interactive Authoring Display System (IADS); it's EM 250, TM 1-1680-377-13&P (Dec 21).



UH-60: More Parts for Turn In

/ Published June 14, 2023

BLUF: Turn in these unserviceable parts ASAP to support repair programs.



Photo by [Sgt. Andrew McNeil](#)

Mechanics, in the ongoing effort to assist aviation readiness, here's a list of yet more parts that have low unserviceable return rates (UNRR) and need to be turned in as soon as they're available. Unless these UNRRs are improved, the entire fleet's readiness will be affected. Check out your back shops for the unserviceable parts listed in the table below and get them turned in.

Component	NSN	PN	Item POC
Rotary wing blade (tail rotor blade)	1615-01- 113-8188	70101- 31000-043	James Kirkland james.d.kirkland10.civ@army.mil
Cylinder assembly A	1650-01- 375-3161	A10807-3	Lisa Donovan lisa.c.donovan.civ@army.mil
Stabilator fitting assembly (Stabilator)	1560-01- 088-1709	70209- 07051-052	Jonathan Holland jonathan.r.holland.civ@army.mil



UH-60: Turn in APU Generators with Covers

/ Published June 14, 2023

BLUF: When turning in the APU generator for repair, include its cover, NSN 6115-01-155-4580, to prevent work stoppage.



Photo by Master Sgt. Matt Hecht

Mechanics, make a note that when you turn in these unserviceable Black Hawk APU generators, always ship them with the terminal boar cover, NSN 6115-01-155-4580.

Component	NSN	PN	Item POC
APU generator	6115-01-300-9669	70550-02032-AV1	Erin Willingham erin.k.willingham.civ@army.mil
APU generator	6115-01-252-0367	70550-02032-104	

Shipping APU generators to Corpus Christie Army Depot (CCAD) without their covers causes a work stoppage for the repair program. The cover is a depot maintenance work requirement (DMWR) for packaging and transporting APUs. Always keep the APU covers so they can be turned in with unserviceable APU Generators.



UH-72: Lakota Aircraft Transitions to Sustainment

/ Published June 21, 2023

BLUF: The UH-72 Lakota helicopter has transitioned to AMCOM sustainment and is no longer under PEO Aviation responsibility.



Photo by Master Sgt. Becky Vanshur

For all Lakota pilots and maintainers, make a note that Aviation and Missile Command (AMCOM) is now generally responsible for logistics, sustainment, and training support for fielded Lakota aircraft. AMCOM will also oversee the retrofit of new or improved aircraft subcomponents on the existing fleet.

The Light Helicopter Product Office (LHPdO), which previously oversaw these areas, will instead focus on new material solutions to optimize the enduring Lakota fleet and, when needed, future production requirements for these aircraft.

For a list of the current and relevant POCs within both LHPdO and AMCOM, check out the Utility Helicopter Newsletter (May-Jun 23) [HERE](#).



Aviation Publications: Fuel Cell Corrosion Inspection WP

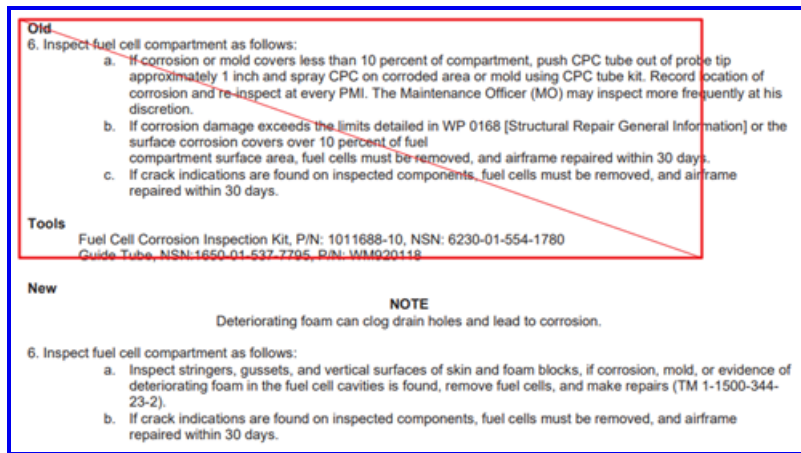
/ Published June 28, 2023

BLUF: Step Six (6) to the fuel cell corrosion inspection work package has changed and needs to be uploaded to IADS.



Photo by [Aungel Terrangi](#)

Mechanics, the fuel cell corrosion inspection that takes place every 48 months has a change in step six (6) of the relevant work packages (WPs) for TM 1-1520-237-23&P (Apr 23) and TM 1-1520-246-23&P (Apr 23). You can view these changes by clicking on the image below.



Click on image above to open PDF

Note that there is no longer a requirement to use a borescope with the ability to apply corrosion preventive compound (CPC) during the 48-month fuel cell corrosion inspection.

The change in each TM should be uploaded to IADs in accordance with the instructions in Aviation Maintenance Action Message (AMAM) GEN-20-AMAM-04 (Posting Electronic Changes) until its published in an upcoming manual release. The AMAM explains the step-by-step process for posting electronic changes in IADS until the TM's next official release.

You can view and download the AMAM [HERE](#), with your CAC in hand. Click on [Consolidated Listings](#), select [Aviation](#) as the Record Type, [GEN](#) as System Type and [AMAM](#) as Message Type. Then click [Search](#). Results are listed in chronological order.



Chinook: Cockpit Center Console Work Platform

/ Published June 28, 2023

BLUF: Use this unit-constructed work platform to protect Chinook center console components from damage.



Photo by Senior Master Sgt. Vincent De Groot

This article initially appeared in PS 678 (May 09), pp. 38-39.

Dear Editor,

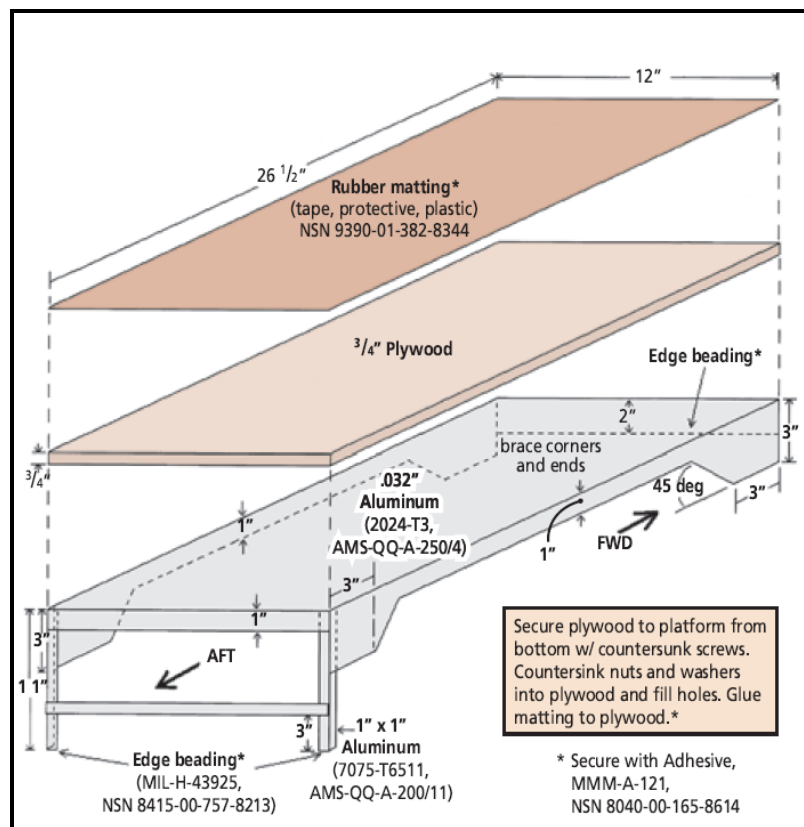
Our maintenance personnel are working hard to prepare, maintain and repair our CH-47F model Chinooks. Our biggest issues is protecting the center console while working in the cockpit.

We tried using piles of cushion on the center console in an effort to protect the radios and other equipment. But we still managed to damage electronics and other center

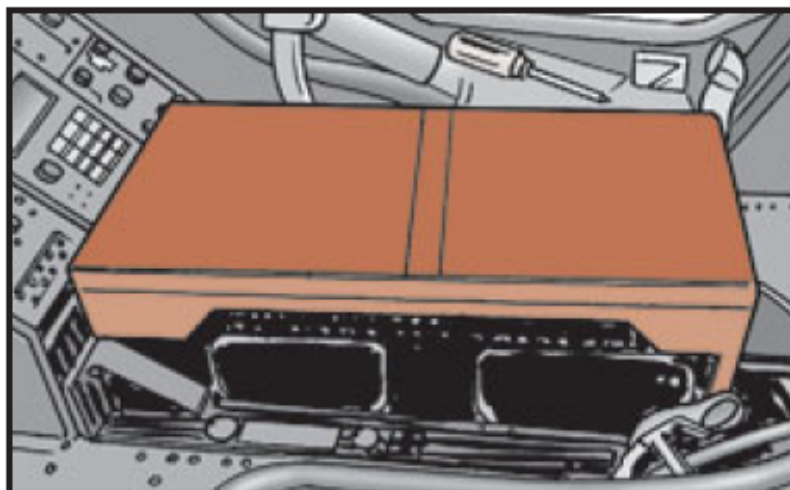
console components.

To prevent damage, we developed a cockpit work stand. It fits over the center console and protects the console from knees, dropped tools and swift kicks. The stand also provides a more comfortable work area.

We make the stand from bench stock items found in the shop. Using the diagram below, anyone can make it. Of course, all the items in the diagram can be substituted as required, while keeping the basic dimensions.



Unit-fabricated work stand to protect Chinook center console



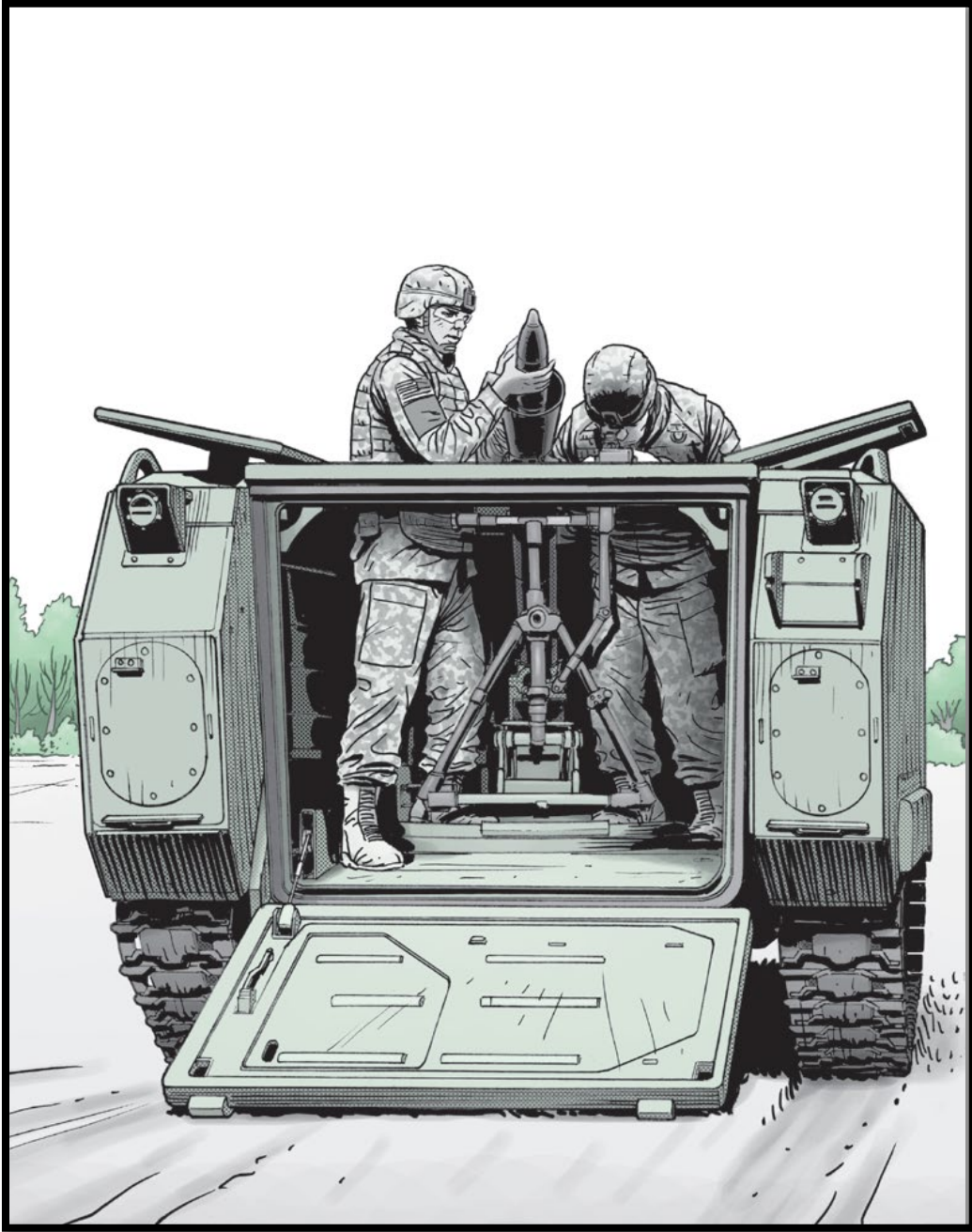
SSG R.B.

AASF SCARNG

Editor's Note: *Good Job, Soldier! Sometimes PM requires taking a little initiative to solve a problem.*

* Minor changes were made to the original article for clarity and accuracy.

Combat Vehicles





M1A2 SEPv2 Tank: Updated CITV-SGSA/TIS-TRU Reprogramming Procedures

/ Published June 5, 2023

BLUF: TACOM has updated the reprogramming procedures for the M1A2 SEPv2 tank's commander's CITV-SGSA and TIS-TRU to fix prior reprogramming errors.



Photo by [Staff Sgt. Shane Hamann](#)

Maintainers, there are updated reprogramming procedures for the M1A2 SEPv2 tank's commander's independent thermal viewer-second generation sight assembly (CITV-SGSA) and thermal imaging system-thermal receiver unit (TIS-TRU).

The updated procedures are for reprogramming the line replaceable unit (LRU) for the CITV-SGSA and TIS-TRU using the direct support electrical system test set (DSESTS) or next generation automatic test system (NGATS). These updates are necessary to overcome system reprogramming errors that are traceable to incorrect circuit card assembly (CCA) configurations and incorrect corresponding software.

Get the updated procedures by going to TACOM Maintenance Action Message 23-018 [HERE](#). You'll need your CAC to access the website.



M1-Series Tanks: TIGER Program Offers Engine Support

/ Published June 5, 2023

BLUF: Turn to TACOM's TIGER Program for no-cost M1-series engine support and training to increase readiness.



[Photo by Sgt. Mason Cutrer](#)

Tank units, listen up! Honeywell field service engineers (FSE) are available to provide a wide range of support for the M1-series tank. TACOM funds the Totally Integrated Engine Revitalization (TIGER) Program to help keep engines running and increase combat readiness.

TIGER offers, among other things, unit-level maintenance training for crewmen and maintainers, including hands-on and classroom instruction. The program also offers engine repair services and other technical support.

To find out more information about what TIGER can provide your unit, contact your local FSE representative. If you need help finding an FSE representative, contact your unit's ground combat systems LAR.



M113-Series Vehicles: Label Container Correctly When Turning in Heater Box Engines

/ Published June 13, 2023

BLUF: Label shipping containers correctly when turning obsolete M113-series FOV's heater box engines into the supply system to avoid confusion and costly repair depot delays.



Photo by Spc. Richard Trinh

Units, after converting an M113-series vehicle's obsolete heater box-equipped engine, NSN 2815-01-248-7644, to the new glow plug engine, NSN 2815-01-412-2715, be sure to correctly label the shipping container before turning the heater box engine back into the supply system.

The tendency is to place the heater box engine into the empty glow plug engine container and then fail to relabel it. Heater box engines in shipping containers marked as containing glow plug engines confuse the supply system. These mismarked containers can mistakenly end up at repair depots where M113-series vehicles are

awaiting new engines. The repair depots must then convert the old engines to the glow plug version before they can be placed into vehicles, costing the depots both time and money.

Help avoid confusion and costly delays when turning in unserviceable heater box engines by clearly making the shipping containers as "Heater Box Engine, NSN 2815-01-248-7644."

To find out more about converting heater box engines to the new glow plug version, read this previous PS Magazine article [HERE](#).



Bradley FOV: 24V Turret Battery Replacement

/ Published June 21, 2023

BLUF: As stocks deplete, units need to replace their Bradley wet cell 24V turret batteries with two AGM 12V batteries



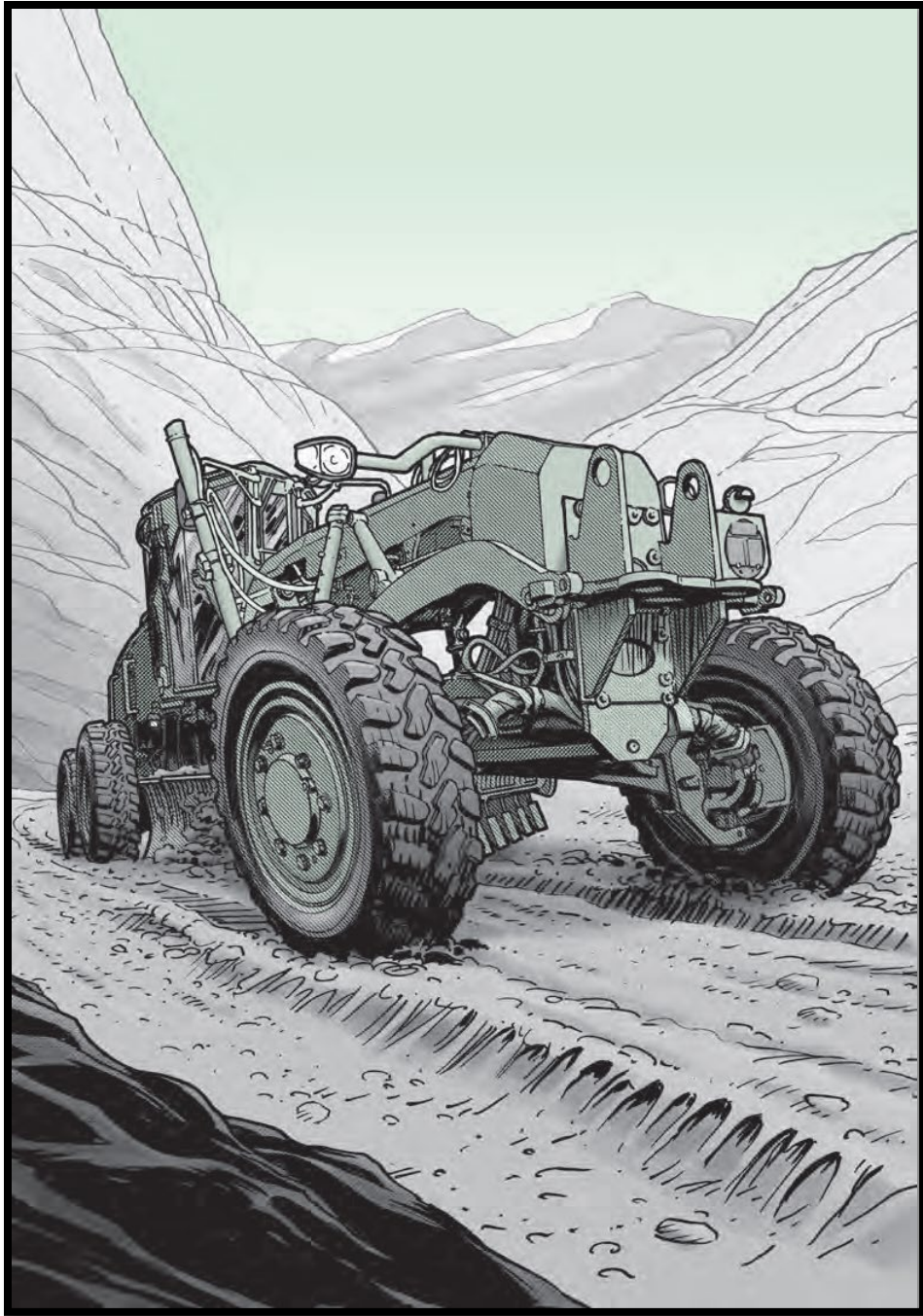
Photo by Staff Sgt. Keith Anderson

Bradley units, once your stock of wet cell 24V turret batteries, NSN 6140-01-390-1968, is exhausted, replace them with the AGM 12V battery, NSN 6140-01-484-5341. Two AGM 12V batteries are needed to replace one wet cell 24V battery, which is no longer procurable.

Keep in mind that one battery hold down kit, NSN 2540-01-706-1173, is needed for each set of two 12V batteries.

For more information, including instructions on installing the AGM 12V batteries and the battery hold down kit, see TACOM Maintenance Action Message 23-020 [HERE](#).

Construction





120M Road Grader: Wrap Hydraulic Hoses

/ Published June 1, 2023

BLUF: Wrap hydraulic hoses with spiral wrap to prevent wear and tear during operations.



Photo by [Gertrud Zach](#)

The hydraulic hoses on the 120M road grader's front wheel drive are constantly rubbed and chaffed during operations because they're so close together. All that rubbing can wear holes in the hoses, possibly causing leaks.



Spiral wrap on road grader's front hydraulic drive.

To guard against the chaffing, your mechanic can use black spiral wrap, NSN 9330-00-889-7776.

Not all hoses or their full length may require wrapping. Only those hoses or portions of them where points of friction occur will need the spiral wrap.



BEB: Handle Engine Access Door With Care

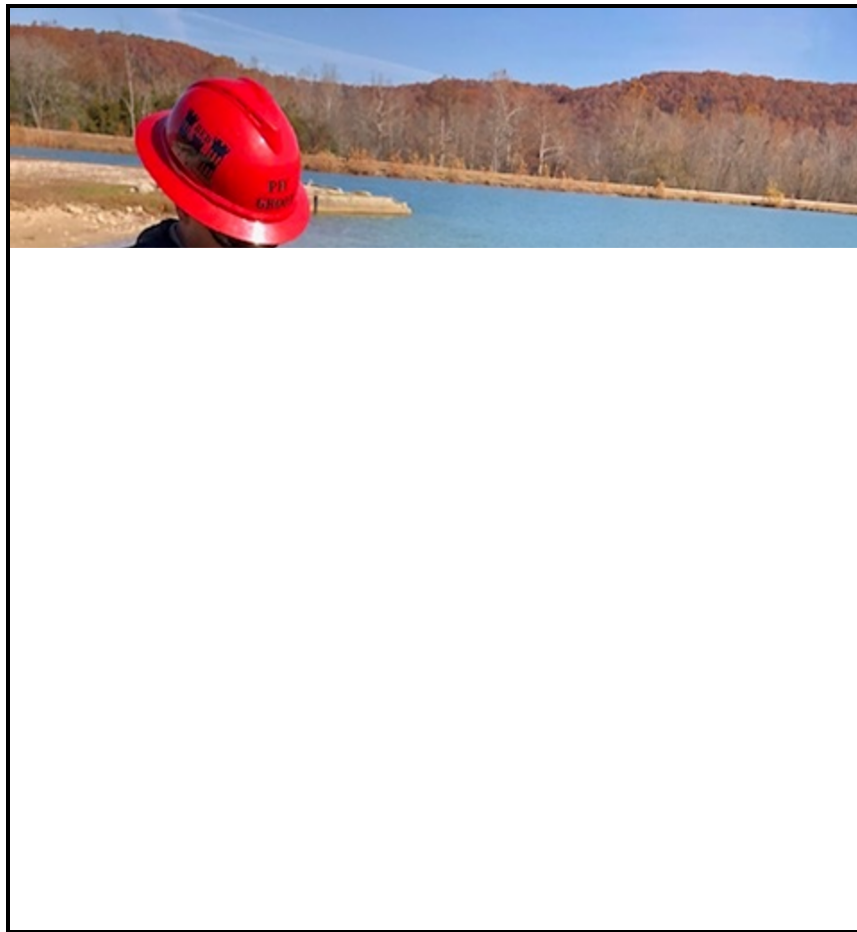
/ Published June 7, 2023

BLUF: Close the access door while holding on to the door handle. **Don't** let the door slam shut!



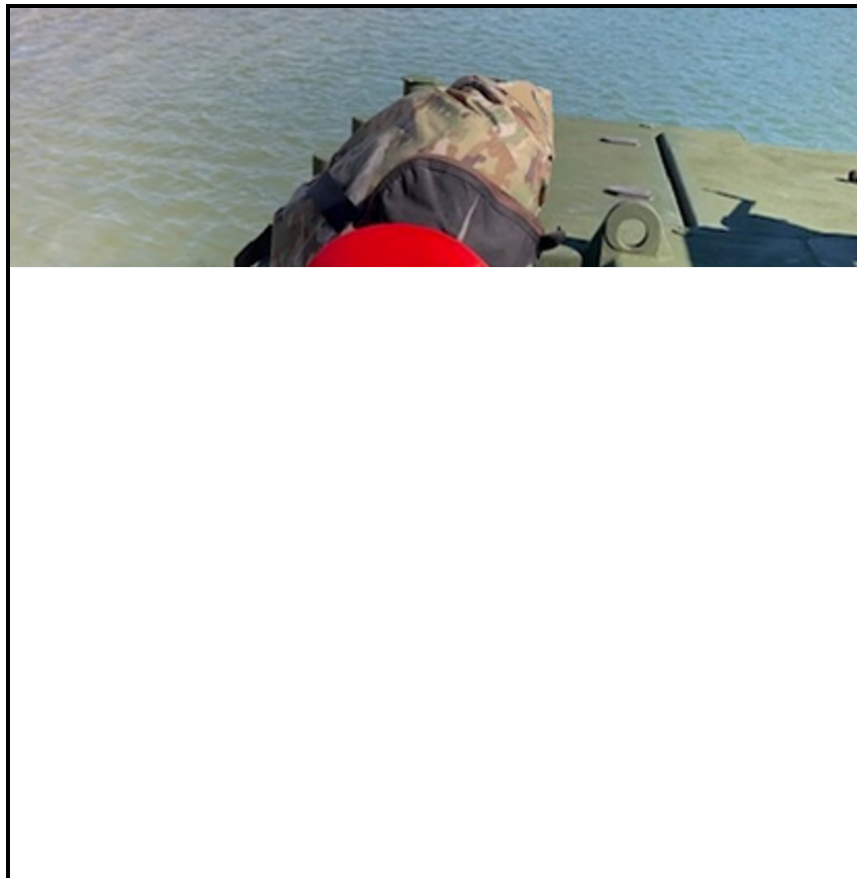
Photo by [Spc. Anthony Ford](#)

Operators, it's easy to get in the habit of letting the bridge boat's engine access door slam shut after you've done checks and services. **Don't** let that happen.



Grasp the handle

The weight of the door will cause unnecessary damage to the door's shock absorber. Over time, the shock absorbers will wear out prematurely.



Hold the handle while closing the door

Always hold on to the door's handle and slowly close the door shut.



BEB: Turn Master Disconnect Switches Off After Operations

/ Published June 15, 2023

BLUF: Use the master disconnect switches to cut off all flow from the batteries after use.



Photo by [Capt. Sara Morris](#)

Operator, your bridge erection boat (BEB) might not start if it's been sitting for a long time in the water or when it's dry docked. The boat's batteries are known to drain if they aren't used. This can occur if the red, master disconnect switches (port and starboard) aren't switched to **OFF** after use.

After operating your BEB, don't forget to turn **off** the batteries on the port (left) and starboard (right) sides of the bridge boat.



Turn OFF batteries on port (left) side of BEB.



Turn OFF batteries on the starboard (right) side of the BEB.

Of course, also don't forget to turn them back **ON** before starting up your BEB for the next operation; otherwise, it won't start.

Commo/Electronics





NVDs: How to Get Replacement Data Plates

/ Published June 13, 2023

BLUF: Replacement data plates are available for various night vision devices (NVDs).



Photo by [Sgt. Adam Parent](#)

Units, note that there are replacement data plates available for the following five NVD family of systems:

- Aviator's night vision imaging system AN/AVS-6
- Monocular night vision device AN/PVS-14
- Night vision goggles AN/PVS-7
- Night vision viewer AN/PSQ-20
- Weapon thermal sight (WTS) AN/PAS-13.

For more info and a full list of all the equipment included, see CECOM Maintenance Informational Message CECOM-MI-23-03010 [HERE](#). You'll need your CAC to access.

The data plates are free and can help keep unit inventory accurate. To order data plates, download and complete the attached pdf [HERE](#).

Email the info or send your questions to:

usarmy.apg.cecom.mbx.ilsc-ltsd-iuid@army.mil

Be sure to check out a related NVG article [HERE](#).



PQAS-E: Hard Drive Software Update

/ Published June 22, 2023

BLUF: The PQAS-E laptop's hard drive software needs to be updated by July 22, 2023.

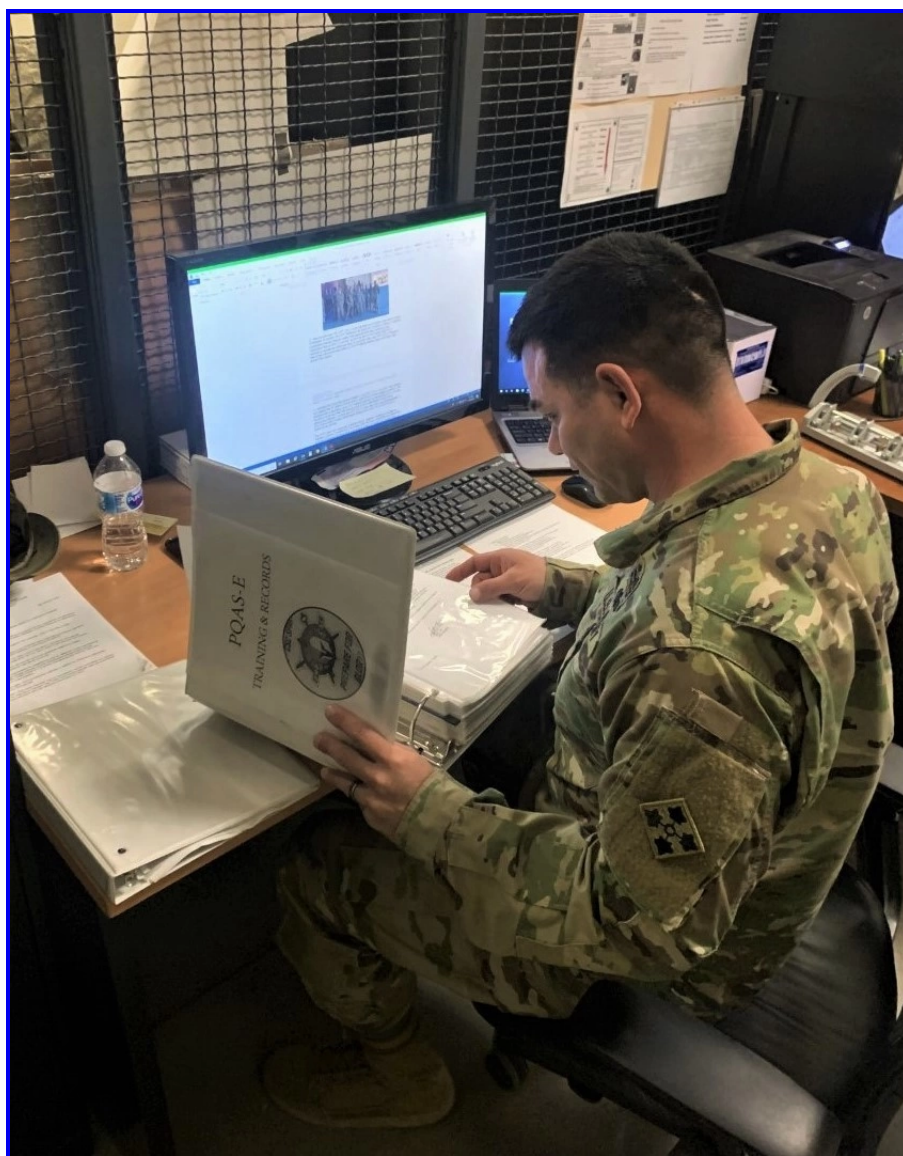


Photo by Sgt. James Geelen

This article was updated on 6/22/23

Units, listen up. Be sure to verify that all PQAS-E B300 W10 laptop computers have the latest hard drive software update (version 2.3.3) installed, using WP 0096 in TM 10-6640-264-10 (Sep 17) for reference. According to TACOM MAM 23-026, compliance reporting for the Petroleum Quality Analysis System-Enhanced (PQAS-E) B300 W10 laptop hard drive, NSN 7010-01-564-8774, is due by July 22, 2023.

Again, the deadline to complete this action and report in the Modification Management Information System (MMIS) is July 22, 2023.

The PQAS-E B300 W10 laptop hard drive software system is also transitioning to a universal serial bus (USB) drive-based update method. This new update method has several advantages, including eliminating the need to ship entire hard drives, enhancing cybersecurity, enabling Soldiers to reset their laptops in the field, and streamlining the B300 W10 laptop hard drive software update process.

For more information, including step-by-step instructions and POCs, see TACOM MAM 23-026 [HERE](#).



MEP-831A 3kW TQG: NSN Confusion Leads to Faulty Orders

/ Published June 26, 2023

BLUF: Invalid requisitions for the 400Hz frequency converter in MEP-813A 3kW TQG are due to error in old TM.



Photo by Staff Sgt. Neil W. McCabe

This article was updated on 6/26/23.

Dear Editor,

The MEP-831A 3kW tactical quiet generator (TQG) set, NSN 6115-01-285-3012, is covered in TM 9-6115-639-13&P (Aug 17). Before this publication, there was an error with the callouts for the 60Hz and 400Hz frequency converters in the RPSTL. It listed NSN 5895-01-477-0858 as the 60Hz frequency converter, when this NSN was actually for the 400Hz frequency converter.

The correct NSN for the 60Hz frequency converter is NSN **5895-01-477-0855**.

The problem is that requisitions are coming from the field for the 400Hz frequency converter, NSN 5895-01-477-0858, from DoDAACs that are **not authorized** a 400Hz TQG (MEP-832A, NSN 6115-01-287-2431).

Only the following units are authorized a 400Hz TQG (all LIN G74847):

UIC	DoDAAC
WZ4AAA	203d MI Bn (Compo 3), APG, MD
W4G8AA	C00VB6, W15P66, W15P7V, W37LY7, W56PHS, W56PHW, W58BW0, W58BXX, W58BXY, W81JF7, W81TK1, W900T9, W90282 US Army Communications-Electronics (Compo 1), AMC
W4GVAA	CG0UTK, CG0UTU, W15GK8, W15GK9, W15R7S, W56MMV, W56NSF, W56RTN, W58H6M, W58H9U, W58VME, W800U6, W800U7, W8083U, W8087P, W80KHR, W80SLL, W80YBX, W81DJP, W81JF3, W81LN5, W90653, W906DE, W90AGF, W90FPJ, W90QKH, W90QKJ, W90TER, W90XKS, W90YZK, W910UV, W910Z0, W91UQA, W91YLJ, US Army Communications-Electronics (Compo 1), AMC
W4T3AA	W582HJ, W900WA, W900XL, W900XM, Spec Ops Cmd, Central (Compo 1) DEF-S
WD78AA	W806QL, W90T5V, W90T5Z W90T6D, 264th Engr Co (Compo 1), FORSCOM
WVK3AA	W5047S, W569VT, W81ELU, W9082Z, 704th Engr Co (Compo 1), USARC
WBAVAA	W56EKA, W583PU, W58G4Z, W90BQV, W90BQW, W90BR1, W90X6D, W90X6F, W90X6G, 95th Engr Co (Compo 1) USARPAC
WJP8AA	W587GE, W90QWJ, Spec Trps Bn, 75th Ranger Regt (Compo 1) USARSOC
WH3LAA	W33GG3, W502HA, W584JV, W80HYE, W81W1U. 1st Bn, 75th Ranger Regt (Compo 1) USARSOC
WH3MAA	W587FY, W68PXX, W68SH9, and W81W14. 2nd Bn, 75th Ranger Regt (Compo 1) USARSOC
WJBLAA	W587FZ, W804F2. 3rd Bn, 75th Ranger Regt (Compo 1) USARSOC

CECOM averages 1-4 orders per week from units that are not authorized a 400Hz TQG and find that the orders are “invalid.” When the order is rejected, the following note is added in the Outbound to Customer Block on the Purchase Request Document stating:

“There had previously been an error in the TM for this item. The TM had stated this (NSN) is for the 60Hz application, but it is actually for the 400Hz sets. The 60Hz frequency converter is NSN 5895-01-477-0855. The TM was corrected in the last publication date of Aug 31, 2017. If you are using an older publication, please update your version. If you truly require the 400Hz frequency converter (NSN 5895-01-477-0858), please submit another requisition using advice code 2B.”

The field density for the 400Hz 3KW TQG is very low and “valid” orders for the 400Hz frequency converter, NSN 5895-01-477-0858, are less than 10 per year. CECOM believes that even though the TM corrected the error in its last publication, units must still be working from an older TM version.

Units with questions can contact me at:

blair.m.mallonee.civ@army.mil

Mr. Blair Mallonee
CECOM

Editor’s note: *We’re glad to spread the word worldwide.*



HMMWV Shelter: Searching for Generator NSN

/ Published June 26, 2023

BLUF: There's no NSN for the Fischer Panda 10 SST generator. Contact your RSC for support.



Photo by [Pfc. Jacob Nunnenkamp](#)

Dear Half-Mast,

I need assistance on a generator that we have in the shop for repairs. It's in a shelter on the back of a M1097A2 HMMWV. The shelter is a model AN/TSQ-226B(V)3, NSN 5895-01-587-3755. The generator is a Fischer Panda 10 SST.

There doesn't seem an NSN for the generator itself, so I've not been able to find any information in AESIP. I tried contacting the manufacturer with the serial number but got no response. Can you help?

Sgt. S.M.

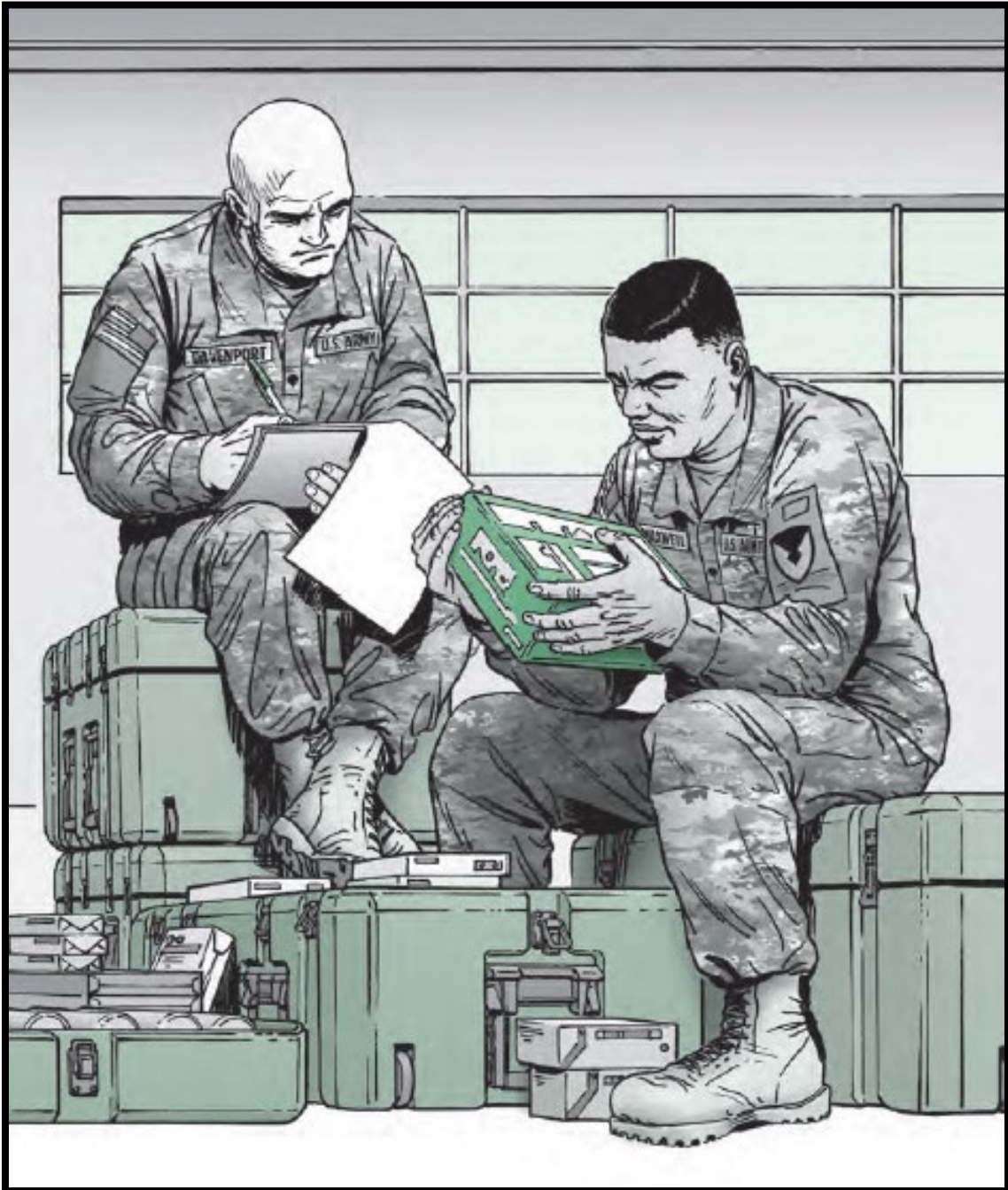
Dear Sergeant,

I'll do my best. You're correct—the Fischer Panda 10 SST does not have an NSN. The generator is not stocked in the supply system. The generator and its components are repaired at the various command, control, communications, computer, cyber, intelligence, surveillance, and reconnaissance (C5ISR) regional support centers on select CONUS installations, Korea, Europe and Kuwait.

Units should place a work order in GCSS-Army for assistance. Local senior technical representatives can also be contacted to provide troubleshooting advice.

Half-Mast

Logistics Management





Maintenance Mgmt: DA Form 5990-E Now Required

/ Published June 8, 2023

BLUF: Service packets must now include DA Form 5990-E.



Photo by Capt. Travis Mueller

Dear Editor,

I'm aware that many units already include a DA Form 5990-E, Maintenance Request Electronically Generated Form (EGA) in their service packets, along with other required forms. But an update to DA PAM 750-3, *Guide to Field Maintenance Operations* (Apr 23) now makes this form mandatory. Take a moment to review page 31, para. 7-2.c., of the PAM.

Click on the image below to access the pamphlet.

c. *Submitting service packets.* When field maintenance personnel perform scheduled services on a piece of equipment, they should complete and return the following forms as part of the service packet:

- (1) A current completed DA Form 5988–E used for field-level PMCS with signatures and corrective action initials, which operators are to submit with equipment to be serviced. DA Form 5988–E must include all actions that were performed at a minimum. This does not include all checks completed, only actions.
- (2) The original DA Form 5988–E used for QA/QC to close out service with signatures and corrective action initials.
- (3) An updated DA Form 5988–E with all uncorrected faults and parts required entered in GCSS–Army upon completion of the scheduled service.
- (4) A copy of the closed DA Form 5987–E or DD Form 1970 for initial and final road tests upon completion of the scheduled service (for motor vehicles only).
- (5) A completed work order as part of service packet (DA Form 2407–E or DA Form 5990–E (Maintenance Request (EGA))).

Click on image above to access this PAM on the Army Publishing Directorate website

David Whitmire

I CORPS G4 COMET Team

JBLM

Editor's Note: *Mr. Whitmire, thanks for the heads up about the new requirement.*

Soldiers, keep this new change in mind when you're submitting service packets.



Half-Mast Sends: The Long, Hot Summer

/ Published June 8, 2023

BLUF: Soldiers and equipment alike need to be prepared for summer's challenges.



Photo by [Spc. Charles Probst](#)

This article initially appeared in PS 764, p. 1 (Jul 16).

You know it's that time of year again when you see heat waves shimmering off the pavement. The days are getting longer and oh so hot.

Many a Soldier has been surprised by summer's intensity. Sometimes heat attacks directly, sizzling right down to your bones, making every move feel slow and awkward as you drip with sweat and struggle to finish simple tasks. Sometimes the attack is indirect, as heat wreaks havoc on your equipment that worked so well when the temperatures were cooler.

Crave a cool drink, Soldier? Well, so does your rig. Wanna sit a spell in the shade and

catch your breath? That generator probably needs a break, too. Both personal and preventive maintenance are key to surviving a brutal summer.

Hot weather brings many challenges to missions and survival. Meeting those challenges demands preparation, long before you feel the beads of sweat rolling down your brow.

You'll find that *PS* articles can help you prepare for the worst summer throws your way. Use *PS* along with the good word in your equipment TMs and you may find that one preventive maintenance tip that saves your mission—or your life.



NVDs: How to Get Replacement Data Plates

/ Published June 13, 2023

BLUF: Replacement data plates are available for various night vision devices (NVDs).



Photo by [Sgt. Adam Parent](#)

Units, note that there are replacement data plates available for the following five NVD family of systems:

- Aviator's night vision imaging system AN/AVS-6
- Monocular night vision device AN/PVS-14
- Night vision goggles AN/PVS-7
- Night vision viewer AN/PSQ-20
- Weapon thermal sight (WTS) AN/PAS-13.

For more info and a full list of all the equipment included, see CECOM Maintenance Informational Message CECOM-MI-23-03010 [HERE](#). You'll need your CAC to access.

The data plates are free and can help keep unit inventory accurate. To order data plates, download and complete the attached pdf [HERE](#).

Email the info or send your questions to:

usarmy.apg.cecom.mbx.ilsc-ltsd-iuid@army.mil

Be sure to check out a related NVG article [HERE](#).



Packaging: Turn-In AFES Bottles Correctly

/ Published June 26, 2023

BLUF: There is a safe way to return pressurized AFES bottles, but only if the proper steps are taken.



Photo by Spc. Elorina Charles

Dear Editor,

I frequently deal with Supply Support Activities (SSAs) telling units to DEMIL, discharge or remove the tops of Automatic Fire Extinguisher Systems (AFES) before turning them in. Fortunately, most maintainers don't attempt this. If they do, they end up stuck with unserviceable bottles and become delinquent on recoverable turn-ins. But pressurized AFES bottles **are** recoverable and repairable at depot level if they are packaged properly.

Return AFES bottles to SSA with the following:

- The expansion plug or safety cap installed.
- The lock pin or safety pin installed.
- The original packaging.

- The packaging support inserts.

Ensure the AFES is right-side up in the package.

If the original package or support inserts aren't available, recreate each as necessary. Need help? Contact the ASC Packaging, Storage and Containerization Center (PSCC) [HERE](#).

Rex Frazier

Maintenance Management Division

G4, 11th Airborne Division

US Army Alaska

Editor's Note: *Mr. Frazier, thanks for tip on how to safely return AFES bottles.*



Packaging: Managing CPG 4 Items

/ Published June 29, 2023

BLUF: Help maintain unit readiness and save money by properly managing Care of Supplies in Storage Priority Group 4 (SL Type 2) items.



Screen Capture of Video by [Greg Wilson](#)

Care of Supplies in Storage (COSIS) is an important part of unit readiness. The Packaging, Containerization and Storage Center (PSCC) has organized COSIS items into COSIS Priority Groups (CPGs) to help units ensure inventory that is susceptible to damage or degradation is in serviceable condition when issued to support operational missions.

PS Magazine has previously covered CPGs 1, 2 and 3. You can view them at the following links:

[COSIS Priority Group 1: MOP 50 Items](#)

[COSIS Priority Group 2: ESDS Items](#)

[COSIS Priority Group 3: SL Type I Items](#)

CPG 4 covers Shelf-Life Type 2 expendable items. To learn more about the correct way to care for CPG 4 items, download the document [HERE](#).

Medical Logistics





MedLog: Medical Maintenance Video Launches

/ Published June 23, 2023

BLUF: AMLC offers a new video covering medical maintenance at unit and sustainment levels.



Photo courtesy of AMLC

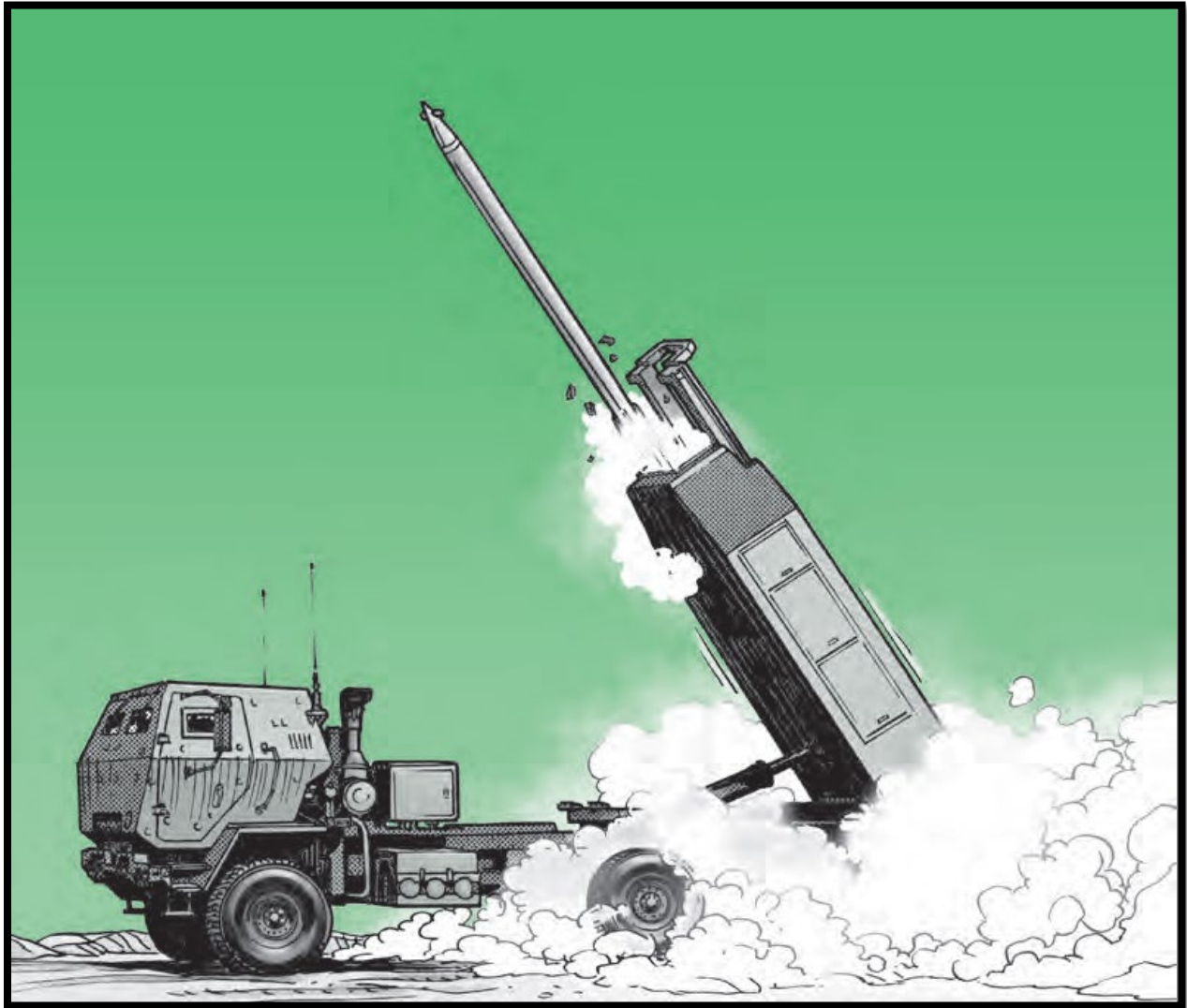
The Army Medical Logistics Command (AMLC) has added another training video to their *MEDLOG Ready!* series. This new video focuses on medical maintenance, at both unit-level and sustainment-level. It also covers AMLC's new Logistics Assistance Program (LAP).

The video discusses some of the known issues in operational medical maintenance and explains how AMLC is tackling those challenges.

View it on YouTube [HERE](#) or on DVIDS [HERE](#).

To see more videos in this series, visit AMLC's training video page [HERE](#).

Missiles





Avenger: New Potting Compound With New NSNs

/ Published June 28, 2023

BLUF: Get the new Avenger potting compound with these NSNs.



Photo by [Georgios Moumoulidis](#)

The potting compound (chemical sealer), **NSN 6850-01-314-9359**, PN EPOCAST 167 A/B, is obsolete. It has been replaced by 3M™ DP460 (Scotch-Weld).



3M™ DP460 Tube

Potting compound packaging includes usage procedures. **Note** that the mixing

instructions have changed with the new compound, so pay careful attention to these instructions.

Description	Part Number	NSN	UM	CAGE
Potting Compound	3M DP460	6850-01-314-9359	Quart	76831
Potting Compound	3M DP460	8040-01-416-5200	Tube 1.25 oz	1A9T3

Small Arms





M3/M3A1 Rifles: Only Count Effective Full Charge Rounds

/ Published June 6, 2023

BLUF: Following the firing of the M3/M3A1 rifle, enter the round count in TULSA.



Photo by [Alejandro Pena](#)

Operators are required to keep a record of all **effective full charge** M3/M3A1 rifle rounds fired. Tracking was done in a paper logbook; however, is now completed on the TACOM-Unique Logistics Support Applications (TULSA) website. Operators who do not have access will need to request access to the [TULSA AMC Gun Card](#) site (you'll need your CAC to access).

After obtaining access to TULSA to log the round count, be advised the projectile list for the M3/M3A1 rifle consists of effective full charge rounds only. The sub-caliber adapter 7.62mm sub-caliber training rounds **don't** get recorded in TULSA or the paper log that is issued in the box with the M3/M3A1.

Why Counting the Right Rounds Matter

The M3/M3A1 rifle's 7.62mm sub-caliber training rounds have lower pressure than full caliber rounds and are loaded into the sub-caliber adapter. The sub-caliber adapter has its own internal barrel, the M3/M3A1 barrel isn't affected when firing these rounds.

For more info, see the Ammunition and Ammunition Identification work packages in the M3 TM 9-1015-262-10 (Feb 19) or M3A1 TM 9-1015-263-10 (Apr 22).



M240 Machine Gun: Dry Firing Can Crack the Receiver

/ Published June 9, 2023

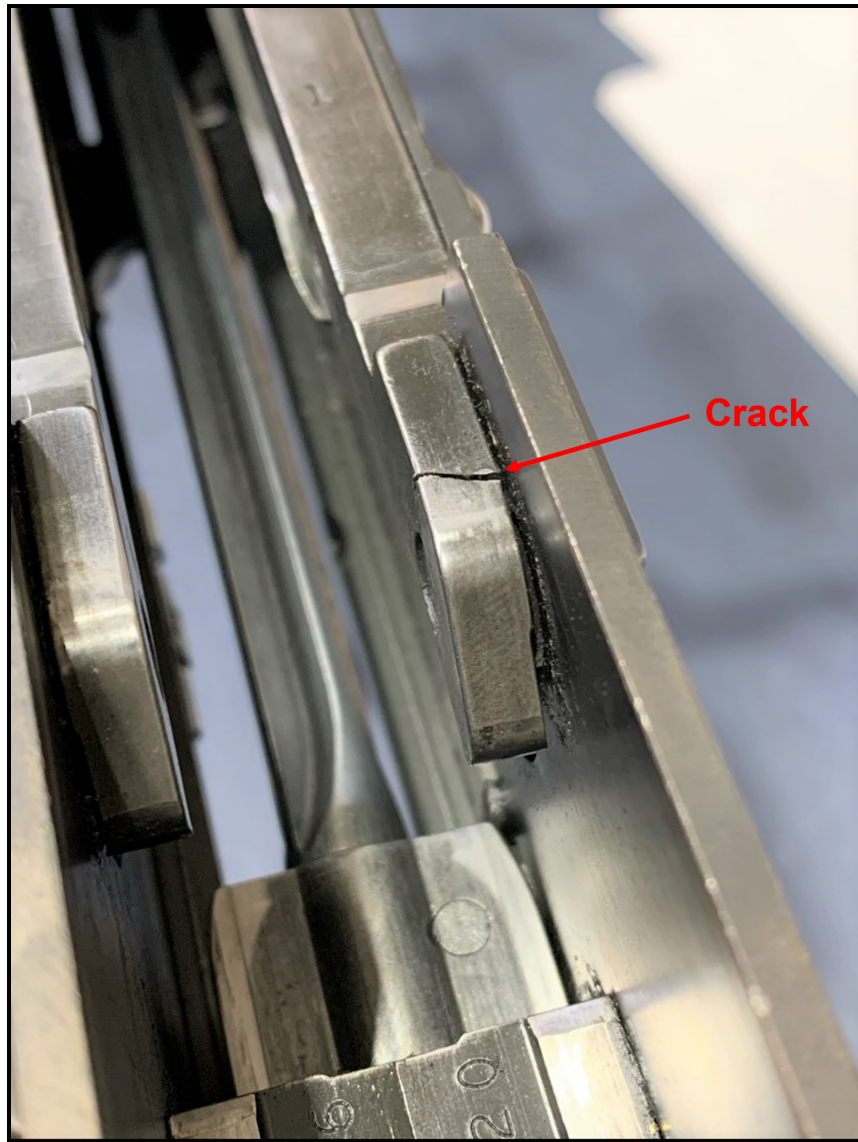
BLUF: Don't dry fire your M240 machine gun because it can crack or break the receiver.



Photo by [Gertrud Zach](#)

Dear Editor,

I've seen numerous M240 series machine guns with cracked or broken bolt guide rails in the receiver housing. It may be happening because the weapons were dry fired. Dry firing is when you release the bolt with no round chambered in the weapon.



Cracked receiver bolt guide rail

It's not a good idea to dry fire any weapon, but dry firing the M240 can take it out of the fight, permanently.

Under normal operation, the locking bar will pivot before contacting the guide rails because of resistance against the bolt when the rounds cycle. When the weapon is dry fired, the locking bar is allowed to strike the guide rails with full force before it can pivot safely downward into the locking position.

When clearing or performing a function check on your M240 machine gun, **always** ease the bolt forward. See the instructions in TM 9-1005-313-10 (May 22) for the correct way to let the bolt go forward without a round chambered.

Gerald W Knipe
Camp Humphreys, Korea

Editor's note: *Excellent point, Gerald! Thanks for the insights.*

Soldiers, take the time to ease the bolt forward and eliminate the potential for your M240 to develop cracks in the receiver.



MK19 Grenade Machine Gun: Upgraded Rear Sight Assembly

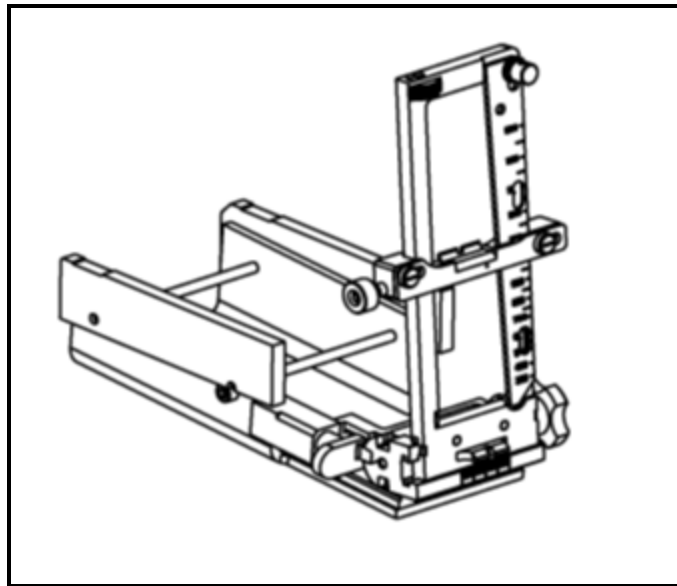
/ Published June 13, 2023

BLUF: Use NSN 1010-01-608-6053 to get the upgraded MK19 rear sight assembly.



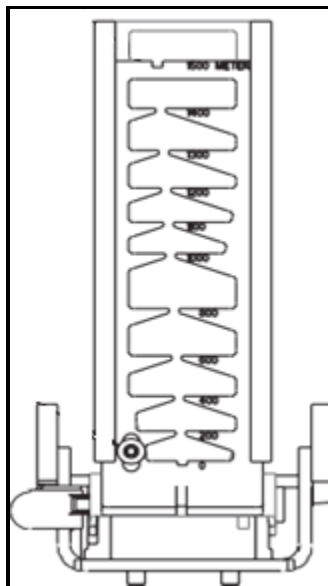
Photo by [Capt. Adan Cazarez](#)

The MK19 grenade machine gun has a new upgraded rear sight assembly that replaces the now obsolete MK19 rear sight, NSN 1010-01-133-6983.



Obsolete MK19 rear sight

Get the new upgraded rear sight assembly with NSN 1010-01-608-6053.



Upgraded MK19 rear sight

If your unit still has the old rear sight assemblies installed, contact the TACOM modification work order (MWO) scheduler, Mr. Kevin Acel at:

kevin.p.acel.civ@army.mil

He'll work with units to schedule an MWO team site visit. The MWO team will install the upgraded MK19 rear sight assemblies.

If you have the upgraded MK19 rear sight assembly installed, use these repair parts if needed:

Nomenclature	NSN
Bracket, Sight	1010-01-610-0993
Plate, Sight	1010-01-609-1363
Screw, Cap, Socket Head	5305-01-158-1197
Pin, Spring-Tubular, Coiled, Heavy Duty	5315-00-298-9856

Soldier Support





Food Service: Connelly Awards Announced

/ Published June 1, 2023

BLUF: The 55th annual Philip A. Connelly awards have been announced.



Photo by [Spc. Sean Walker](#)

The list of the FY23 annual winners of the Philip A. Connelly awards has been released. The awards recognize excellence within the Army food program. The awards are named after Philip A. Connelly, a leader in food service management. The purpose of the awards include:

- Promoting Army food service through incentives, competition and media attention.
- Recognizing deserving units for superb performance.
- Awarding individuals for stellar management practices.
- Honoring the traditions of the Philip A. Connelly Awards Program.

To see who won, visit our milSuite page [HERE](#). You'll need your CAC.

To read more about the goals and history of the Philip A. Connelly program, go [HERE](#).



Safety: Lethal Means Safety Can Reduce Suicides

/ Published June 7, 2023

BLUF: Secure personal weapons, prescription drugs and other lethal items to prevent potential for self-harm or danger to others.



Photo by [Spc. Mariah-Alexsandra Manandic-Kapu](#)

“Lethal means safety” (or the safety of lethal means) is an approach to safety that advocates for storing items such as guns, prescription drugs and other items that could be used in a suicide attempt. Statistics show a 91% reduction in such attempts when lethal means are secured.

For a lethal means safety toolkit, as well as other resources, download a poster fact sheet [HERE](#). Post these liberally around your unit's common areas.



Publications: Fuel System TB Updated

/ Published June 23, 2023

BLUF: Ensure you have the latest version of TB 10-5430-253-13 (Jun 23), which has been updated.



Photo by Spc. Rochelle Prince-Krueger

TB 10-5430-253-13 (Jun 23), *Elastomeric Tactical Fuel System Components*, has been updated. This TB is a guideline for determining shelf life, service life and fill levels in collapsible fuel tanks, hose assemblies and blivets.

It also covers strapping, gauging and volume correction procedures; standardized berm dimensions for collapsible fuel tanks and inspection criteria for blivets, and more.

View or download the TB [HERE](#).

Tactical Vehicles





M915A5 Tractor Truck: Stop Light Assembly NSN

/ Published June 6, 2023

BLUF: To get the correct stop light assembly for your M915A5 tractor truck use NSN 6220-01-544-5789.



Photo by Staff Sgt. Jeff Hansen

Maintainers, if you've got M915A5 tractor trucks, Item 1 in Fig 103 of TM 9-2320-426-13&P in IETM EM 0308 (Aug 14) lists the stop light assembly as **NSN 2320-01-550-1399**. That's incorrect.

To get the correct stop light assembly for your tractor truck, use **NSN 6220-01-544-5789**. Jot this info down until the IETM is updated.



Fuel Tanker Trailers: Approved Winter Tire for Europe and Alaska

/ Published June 8, 2023

BLUF: Get a winter tire for your fuel tanker trailer with NSN 2610-01-602-7361.



Courtesy photo

Need a winter tire for your unit's M967-series, M969-series or M1062 fuel tanker trailers? Get one with NSN 2610-01-602-7361 for about \$862.

This tire is **only** approved for use as a winter tire in Europe and Alaska.

You'll recognize the winter tire by its M+S (mud and snow) marking on the sidewall.



Sidewall of winter tires displays M+S.

Don't mix the standard rib tire, NSN 2610-01-045-3688, with the Winter M+S tire, NSN 1610-01-602-7361, on the same tanker trailer.



HMMWV Shelter: Searching for Generator NSN

/ Published June 26, 2023

BLUF: There's no NSN for the Fischer Panda 10 SST generator. Contact your RSC for support.



Photo by [Pfc. Jacob Nunnenkamp](#)

Dear Half-Mast,

I need assistance on a generator that we have in the shop for repairs. It's in a shelter on the back of a M1097A2 HMMWV. The shelter is a model AN/TSQ-226B(V)3, NSN 5895-01-587-3755. The generator is a Fischer Panda 10 SST.

There doesn't seem an NSN for the generator itself, so I've not been able to find any information in AESIP. I tried contacting the manufacturer with the serial number but got no response. Can you help?

Sgt. S.M.

Dear Sergeant,

I'll do my best. You're correct—the Fischer Panda 10 SST does not have an NSN. The generator is not stocked in the supply system. The generator and its components are repaired at the various command, control, communications, computer, cyber, intelligence, surveillance, and reconnaissance (C5ISR) regional support centers on select CONUS installations, Korea, Europe and Kuwait.

Units should place a work order in GCSS-Army for assistance. Local senior technical representatives can also be contacted to provide troubleshooting advice.

Half-Mast



M1101, M1102 Trailers: Trailer Cover Kit

/ Published June 29, 2023

BLUF: Get a replacement canvas cover kit for your trailer in camouflage or tan.



Photo by [Sgt. Dustin Biven](#)

This article initially appeared in PS 798 (Jun 19), p.61.

Replacement canvas covers for the HMMWV's M1101 and M1102 trailer are available as a kit.

They come in two (2) colors: **camouflage**, NSN 2540-01-413-6985 and **tan**, NSN 2540-01-484-2632.

