



**Roll-up of Articles
October 2022**

General and Special Topics





I Own This: September 2022 Nominees

/ Published Oct. 5, 2022

PS Magazine's I Own This campaign is designed to recognize Warfighters 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.

This month, we had two Warfighters nominated for this program. Both are deserving of this recognition. One was selected at random to get the spotlight placed on them. For September 2022, that Warfighter is SPC Brandon M Dugger, B CO, 1-68 Armor Battalion, 3d Brigade, 4th Infantry Division, Fort Carson, CO.

Spotlight Profile





SPC Brandon Dugger

US Army/Active

M1A2 SEP V2 Loader

B CO, 1-68 Armor BN, 3d BDE, 4th ID, Fort Carson, CO

Nominated by: SFC Justin Pingicer

How you came to know/observe the nominee's actions? After driving for a year through multiple field exercises and a rotation to NTC, SPC Dugger was recently promoted to the loader's position. The introduction of the new position brought on far more responsibility than that of the driver. In addition to the primary responsibility of loading rounds into the main gun in a timely manner, the loader is responsible for tank maintenance, communication equipment, assisting in guiding the tank and maintaining his personal M240C machine gun. SPC Dugger has taken great pride in his newly appointed position and is a great example for junior soldiers in the platoon.

Why does this individual deserve recognition? SPC Dugger has exercised initiative and motivation in his new position. He thoroughly trained his replacement driver in order for a smooth transition. He has maintained his personal M240C and the tank to a very high level. Due to his attention to detail throughout his time with this company, he was nominated as the platoon armorer so that he could maintain all of the platoon's weapons to the same standard that he maintains his own. Maintenance of the M1A2 platform is an everyday operation, and SPC Dugger understands the emphasis put on it. SPC Dugger is also responsible for the communication equipment inside the tank. Given this additional responsibility, he has excelled in making sure the equipment is ready and operational for every mission. Communication is critical and SPC Dugger understands the importance of communication on the battlefield and has maintained all equipment to standard. Chosen as driver and now loader for the platoon leader's tank, SPC Dugger has been successful in all the tasks that he has been given.

Also Nominated...

Soldier's Name: **SSG Dominik A Piszczek**

Unit: 542d Support Maintenance Company, JBLM, WA

Position/Title: Technical Inspector

Component: US Army/Active

NSN or End Item: M1088A1P2

Nominated By: WO1 Sean T. Sanders

Justification: As the automotive maintenance warrant officer of 542d SMC, I've worked alongside of SSG Piszczek for a period of twelve months. Serving as a maintenance professional in the Ordnance Corps for over 12 years, I've not come across a more knowledgeable maintainer than SSG Piszczek. SSG Piszczek's attention to detail, emphasis of preventative and scheduled maintenance and his technical expertise have had a significant impact on the readiness of our equipment and the success of the organization. SSG Piszczek is the definition of a subject matter expert and leader. While forward deployed, SSG Piszczek has served as the maintenance NCOIC, leading a team of five junior Soldiers maintaining 25 pieces of theater provided equipment (TPE), as well as providing support across seven external UICs. SSG Piszczek consistently displays knowledge far exceeding his MOS and grade. He identified nine pieces of TPE with load tests delinquent by a period of two years. He coordinated the delivery of necessary equipment to complete the load test in accordance with the technical bulletin and returned the equipment within compliance. He has developed service plans for equipment, ensured all PMCS intervals are followed to standard and, through his technical expertise, has returned multiple pieces of equipment to a fully mission capable status, directly enabling the success of the organization's mission. SSG Piszczek consistently strives to develop others by sharing his knowledge and expertise. He is devoted to ensuring all equipment operators know the importance of PMCS and the benefit gained when properly completed. SSG Piszczek's level of pride, quality of work, and displayed level of technical expertise are unmatched.

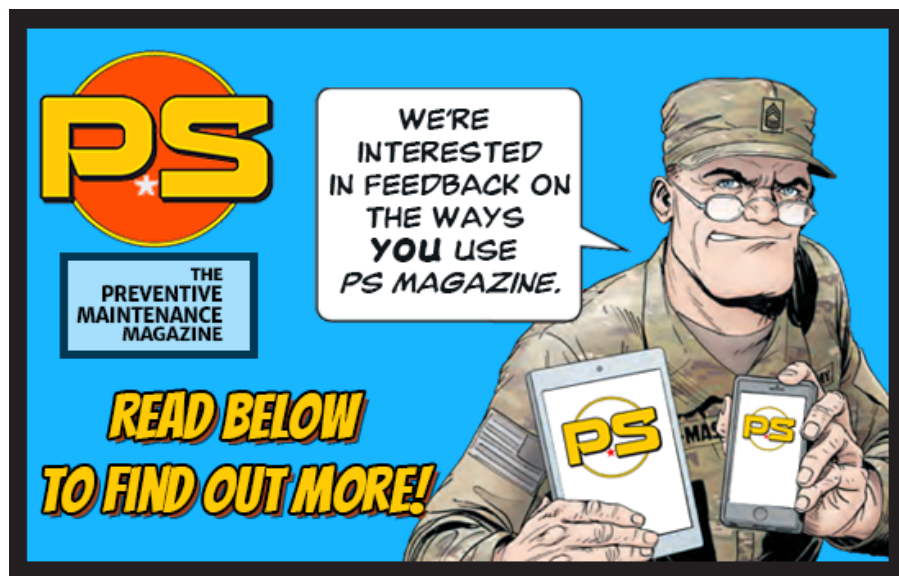




Reader Feedback: Inviting Your Input

/ Published Oct. 5, 2022

BLUF: *PS Magazine* invites readers to answer a short questionnaire on how they engage with the PS Magazine website.



PS Magazine readers, MSG Half-Mast here.

For more than 70 years, *PS: The Preventive Maintenance Magazine* has provided Soldiers and Warfighters the most up-to-date information they need to help keep their vehicles and equipment mission capable and combat ready. Over these seven decades, we've used various formats, and November 2022 marks our third year as a fully online periodical.

We've always had a means for readers to reach out to us through our Reader Service, which enables them to ask questions and share best practices. But we've not yet sought specific feedback on how our readers engage with, like and use this website.

We've created a short questionnaire to gather this information, and we'd appreciate

you taking a moment to complete it.

The first portion asks about your habits using this site. The second portion, which is optional, seeks information about the type of reader you are, such as MOS/branch, rank and unit type, among a few other details. Your responses are sent to us anonymously.

You can access it [HERE](#).

Thanks in advance for taking about two minutes to complete this brief questionnaire.

Half-Mast



I Sustain This: September 2022 Nominees

/ Published Oct. 6, 2022

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.

This month, we had one civilian sustainer nominated for this program. That individual was Greg Morris, AMC Armament Logistics Assistance Representative (LAR), Fort Knox, KY, on rotation to Camp Buehring, Kuwait.

Spotlight Profile



George Morris
AMC Armament LAR

Nominated by: CW2 Gabriel E. Abreu, 783rd Support Maintenance Co., PRARNG

Explain how you came to know/observe the nominee's actions: During the 783rd SMC 2022 rotation to Camp Buehring, Kuwait, Mr. Morris came to our maintenance area and introduced himself. Right after, he offered to provide our small arms repairers with a full maintenance course on the 120mm mortar, since an operational unit was having challenges with the system. Mr. Morris coordinated a maintenance plan that included our unit's maintainers and the other unit's operators to provide services, which brought the owning unit's mortars to a 100% readiness. The added bonus was that our maintainers gained the necessary skills to perform the required task for that weapon system.

Explain why this individual merits recognition: Mr. Morris exemplifies the dedication and devotion required to oversee, adapt and overcome logistics situations and find capable solutions in order to obtain positive results. Mr. Morris' knowledge and willingness to share his expertise is greatly appreciated from all the soldiers of the 783rd SMC Armament Section.



Leader Interview: BG Hargett, MSNG

/ Published Oct. 7, 2022



BG Joe D. Hargett, MSNG Director of Joint Staff

MSG Half-Mast recently traveled to Jackson, Mississippi to speak with BG Joe D. Hargett, Director of the Joint Staff of the Mississippi National Guard (MSNG), as well as the Mobilization Deputy Commanding General at Camp Shelby, to discuss his views on MSNG's readiness to fulfill both state and national

missions.

BG Hargett enlisted in the MSNG in 1987 and was later commissioned as a Military Police officer after graduating officer candidate school. In 1994, he branch transferred to Engineers and served in a variety of command and staff positions, culminating as executive officer, deputy commander and then commander of the 168th Engineer Brigade. After brigade command, he served on the MSNG Joint Staff in a number of capacities, including its Chief of Staff before assuming his current duties. He has a BS in Civil Engineering Technology from the University of Southern Mississippi, an MBA from Jackson State University and a Master of Strategic Studies (MSS) degree from the US Army War College.

MSG Half-Mast: Sir, thanks for your time and willingness to speak with *PS Magazine* on the topic of readiness. The National Guard obviously was widely mobilized for operations in Iraq and Afghanistan. What is the current status of the Mississippi National Guard's readiness (both equipment and personnel) in the wake of Iraq and Afghanistan? Could it handle another prolonged period of mobilizations?

BG Hargett: First, thank you for the opportunity to speak with you and for what you all do for our Army.

Not just Mississippi, but the entire Guard Nation has earned great equity both on the frontlines of our operational theaters and at home. We have constantly had Soldiers responding to the call of our state and nation, whether they are responding to natural, man-made and environmental disasters; supplementing state governments where needed; or even serving at our nation's capitol in times of need.

I feel like the counterinsurgency force structure, alignments and readiness models should be analyzed for their relevance in the future, considering the evolving global competition that faces our nation. We always ask ourselves a few hard questions: are we the right size, do we have the right force mix and do we have the right capabilities? We must remain agile and adaptable to our nation's needs.

From an equipment standpoint, I feel that our readiness still is driven by numerous factors, which include funding, full-time manning authorizations, parts production, supply chain health, full-time maintenance shops and Solder-level pride and ownership. Even with the uptempo and the woes of the pandemic, we are very satisfied with our current equipment readiness. The tactical authorized stockage list (ASL), investment in shop stocks, convergence of enterprise systems and

consistent modernizations from the Army's Total Package Fielding initiatives have enabled the best possible readiness.

Much like our active duty and Army Reserve service members, MSNG members have earned their stripes (despite a few wrinkles) over the last couple of decades, and I am confident we can continue to answer the call and carry the torch forward. In the ever-changing environment, we are always working hard to improve personnel readiness and creatively and critically thinking of ways to adapt to the current societal and generational norms to recruit and retain the best and brightest the country has to offer.

MSG Half-Mast: In what ways is the MSNG transitioning from the counterinsurgency operations of Iraq and Afghanistan to large-scale combat operations (LSCO), particularly when it comes to mobilization, as well as maintenance and supply readiness?

BG Hargett: Thankfully we possess some seasoned non-commissioned officers (NCOs), warrant officers and senior field grades who remember the days prior to the counterinsurgency (COIN) engagements. By leveraging that experience, we have had a huge advantage in adapting back to LSCO. From aircraft to heavy armor, consistency in our modified tables of organization and equipment (MTOEs), equipment upgrades and modernization efforts have propelled us back to our core mission. As a part-time component, the Guard trains after hours and on weekends. As a result, steering away from the just-in-time logistics model back to the authorized stockage list/shop stock list (ASL/SSL) has been huge for our maintenance readiness. Updated toolsets, special tools and diagnostic equipment enable us to maintain at a much higher level. Embracing and learning to love enterprise systems such as Global Combat Support System–Army (GCSS-A) have been paramount.

MSG Half-Mast: What role does Camp Shelby, in particular, play when it comes to the MSNG's readiness to fulfill LSCO missions of the future?

BG Hargett: I have the privilege to serve as the Mobilization Deputy Commanding General at Camp Shelby, MS. As one of the Mobilization Force Generation Installations (MFGI), it has had a front-row seat in posturing toward Large Scale Mobilization Operations (LSMO), which directly supports LSCO efforts. Working closely with 1st Army and US Army Forces Command (FORSCOM), we have completely transitioned to planning, training and anticipating near-peer competition and multi-domain operations. Camp Shelby provides an outstanding garrison, with broad capabilities in all aspects of life support, maintenance facilities, rail

operations, material handling equipment (MHE) support and 136,000 acres of maneuver area and state-of-the-art ground, air and synthetic ranges.

MSG Half-Mast: What are the major challenges facing the MSNG going forward when it comes to staying not only combat-ready but also prepared for its more traditional roles of assisting in natural disasters and other humanitarian missions?

BG Hargett: In today's world, you never know what mission you may be asked to execute. Citizen-Soldiers have it in their DNA to always be ready for a call, bring to bear their civilian skills and trades and apply them in both Guard-specific and combat missions. A great example is we recently called up 500 Soldiers and Airmen to help issue over 12 million bottles of water to the residents of Jackson, MS, due to the water crisis caused by a treatment facility failure. Their performance in executing this mission and supporting the citizens of Jackson was exemplary. In some situations regarding emergencies and disasters, the mere presence of our professional military provides a sense of calm, stability and normalcy to the turbulent conditions wherever they may occur.

MSG Half-Mast: Why should a young Mississippian consider service in the MSNG? For those already in the MSNG, what advice do you have that will enhance their readiness and increase their advancement potential, should they desire to continue their service and, possibly, make it a career?

BG Hargett: The MSNG has a large force structure that possesses a huge array of personal and career opportunities. Serving the state and nation reaps honor and purpose. The MSNG specifically has free undergraduate college tuition for our state universities. Federally, Guard members earn pay, healthcare and education benefits and learn specific skills that can be applied in the civilian marketplace. Arguably the relationships, friendships, memories and experiences are what our longtime members say are the best benefits and are priceless.

For our current members, we do our best to create an environment that allows them to advance, seek higher military and civilian education, and support them individually in their unique needs and aspirations.

MSG Half-Mast: What final thoughts would you like to share with PS readers?

BG Hargett: I encourage everyone to be the best they can be, take ownership and pride in their equipment and arms, always strive to improve and know that your readiness is the strength of our Army. It is an honor to serve alongside you. Thank you for your service to our great nation.



AUSA 2022 Interview with GEN Daly, AMC CG

/ Published Oct. 12, 2022

GEN Edward Daly, Commanding General of the US Army Materiel Command, recently spoke with *Defense News* Land Warfare reporter, Jen Judson, on what the Army is learning about logistics from the Russia-Ukraine conflict.

Click on the image below to view the video.



Image courtesy *Defense News*



COMSEC: Securing the KGV-72

/ Published Oct. 17, 2022

BLUF: Don't leave the KGV-72 unsecured; maintaining proper key control is essential.



Photo by [Staff Sgt. Armando Limon](#)

Dear Half-Mast,

I've noticed that the programmable in-line encryption device KGV-72, NSN 5810-01-564-3364, is sometimes left unsecured.

I've seen some units unscrew the devices and store them outside the vehicles. It's usually because the KGV-72 lock key is missing or the locking block is broken. What's the solution for these problems?

Mr. K.J.

Dear Sir,

TM 11-5810-268-13 (Nov 17) states that a KGV-72 must be secured using the built-in locking block (also known as lock provision). The devices are often unsecured or unscrewed and removed because a padlock key was lost or worse, the block was damaged (see the article [HERE](#)).

According to the Communications Security Logistics Activity (CSLA), units **must** ensure the KGV-72 is always locked. New KGV-72s come with four mounting screws and provision for a Series 200 lock; however, units must provide the lock itself.

Units can direct exchange a KGV-72 that has a broken locking block through the Army system, as long as FLIPL information is included with the request. Until the new KGV-72 is received, secure the damaged KGV-72 per unit SOP or guidance from the KGV-72 item manager.

Key loss is more often than not the result of lack of key control, which is a unit responsibility. The guidance and references provided [HERE](#) apply to this situation. A lot of headaches can be avoided by ensuring there's a key control SOP in place and that it's followed.

Half-Mast



Soldier Support: Spotlight on DRES Mobile App

/ Published Oct. 21, 2022

BLUF: A Defense Health Agency app addresses service women's unique needs.

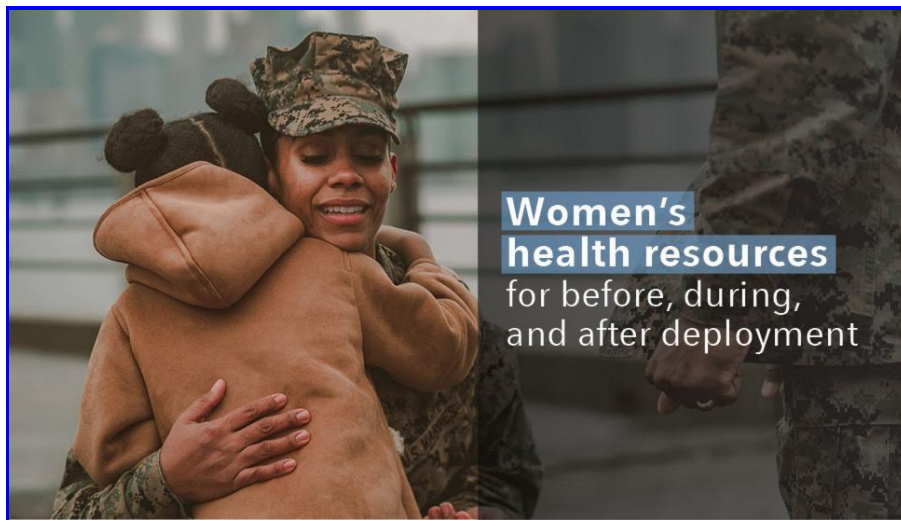


Photo by [Adrienne Rubio](#)

Deployment is a big deal, no matter your MOS or assigned location. But if you're a woman as well, you may face some gender-specific challenges.

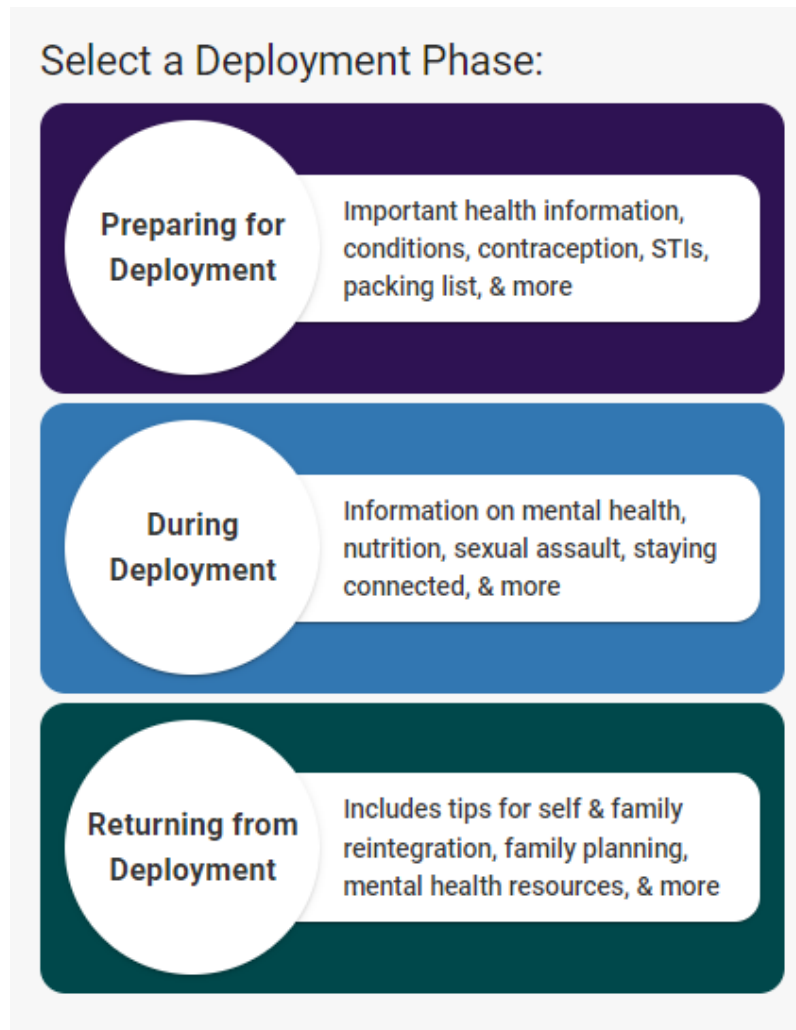
Some deployment resources are geared more toward male service members and, as such, may not fully meet women's needs. For this reason, the Defense Health Agency (DHA) created an app for women called the Deployment Readiness Education for Servicewomen (DRES). The app is a resource for servicewomen to use before, during and after deployments.

The app is the result of the contributions of all the military services, military women's healthcare providers, and military women and men. It was designed to be a one-stop shop for information on women's unique deployment needs. Created in 2022, it has since become the second-most frequently downloaded app in DHA's app inventory. The app covers a range of topics from packing lists, menstrual suppression,

contraception education and preventive healthcare to mental health resources and sexual assault support. To view a video about the app, go [HERE](#).

The 161-page handbook that also resulted from this effort is available [HERE](#).

You can download the DRES app to a smartphone for quick and easy access. Download it or 25 other DHA apps [HERE](#).



DRES app covers three stages of deployment

Also currently under development is another DHA app aimed at clinicians, which will focus more broadly on women's health needs.



Special Interview: US Army Marksmanship Unit

/ Published Oct. 25, 2022



SFC Nelson (left) and SSG Telck (right), USAMU gunsmiths

Photo courtesy Michelle Lunato, USAMU Public Affairs

MSG Half-Mast recently traveled to Ft Benning, GA, to get some insight into the US Army Marksmanship Unit (USAMU) and, more specifically, small arms maintenance. He spoke with SFC Matt Nelson and SSG Alex Telck, gunsmiths in the Custom Firearms Shop at the USAMU.

For an overview of the USAMU and its affiliation with the US Army Recruiting Command, click [HERE](#).

SFC Nelson was born in Moore, OK. He joined the Marines in 2008 and served on active duty for five years. He subsequently joined the National Guard and attended Murray State College, where he obtained degree in gunsmithing in 2015. While there, he interviewed with the USAMU and, upon acceptance, was

assigned to the USAMU as a rifle gunsmith. He is a graduate of various military schools including the Marine Corps' Infantry Assault Leaders Course and the Army Sniper School and Basic, Advanced and Senior Leaders Courses.

SSG Telck was born in Kingston, Jamaica. He joined the Army in 2013 and completed basic training at Ft Jackson, SC, and AIT at Ft Lee, VA. He left service and attended the Colorado School of Trades for gunsmithing. While there, he interviewed with USAMU and, in 2019, was selected to serve in the Custom Firearms Shop as a pistol gunsmith. That same year, Telck graduated from Basic Leaders Course, Ft Benning, GA.

In the responses below, **SFC Nelson** provides advice for rifle maintenance, while **SSG Telck** answers for pistol maintenance.

MSG Half-Mast: Gentlemen, thank you for taking time to speak with *PS Magazine* about small arms maintenance and its role in marksmanship training and competition. Please explain how and why a well-maintained weapon aids in your ability to win in competition.

SFC Nelson: The how, put simply, is a well-maintained weapon will function reliably. Why? Dry and/or carbon-caked, dirty weapons will eventually cease to function. Weapons maintenance (or the lack of it) directly affects time and accuracy, both factors when competing. Having to clear malfunctions or deal with ammo issues is less than ideal if your goal is to win.

SSG Telck: While we in the Custom Firearms Shop definitely go the extra mile with our maintenance with regular barrel testing and full rebuilds, basic maintenance is key to any weapon operating effectively. Regular cleaning and lubrication ensure the weapon will have fewer malfunctions when it comes to competitions or the rigors of combat.

MSG Half-Mast: Can you share some key points to maintaining your weapon(s)?

SFC Nelson: Ensure all parts are wiped clean of dust, dirt, carbon and that the chamber, bore and crown have been properly cleaned. Beyond that, a light coat of oil at friction points is all you want. For example, on an M4, you would want to leave a light film on the bolt, firing pin, inside of the bolt carrier and the four contact pads on the exterior of the bolt carrier.

SSG Telck: Never overlook keeping your weapon(s) properly and consistently

lubricated and free of dirt and debris. Excess dirt and debris on those moving metal parts will cause wear and tear by opening up tolerances. This will ultimately make your weapon less accurate and more prone to malfunction. Don't buy into the rumor that a dirty gun is a "tight shooting gun."

MSG Half-Mast: How do you handle a weapon malfunction while in competition?

SFC Nelson: Clearing a malfunction in competition should be treated the same as any situation, combat or otherwise. Preparation through training! You must put in the effort to decrease the time it takes you to recognize you have a failure, identify the issue and clear the malfunction.

The corrective action you take can be broken down into two categories: immediate and remedial action. Immediate action can take the form of Tap, Rack, Bang or SPORTS (slap, pull, observe, release, tap, shoot). This will solve failure to feed, failure to fire, magazine not fully seated and some failures to eject. Remedial action involves removing the source of ammunition and racking the weapon several times, if possible (this will clear double feed and failure to eject). If you cannot rack the weapon and your bolt carrier is stuck mid-way, you more than likely have brass over bolt and need to pull the carrier to the rear via the ejection port or magazine well, while pushing the charging handle forward. The stuck case should fall free at this point and allow you to get your weapon back up and running.

SSG Telck: Quite like how you would handle a weapon malfunction in combat, with SPORTS. In *Action Pistol*, for example, most of the courses of fire are timed. If one of our competitors runs into a malfunction, they will often utilize SPORTS to clear it. If that doesn't work, then they will bring the weapon to us.

MSG Half-Mast: Do you have any firing tips you can share with our readers?

SFC Nelson: I advocate for deliberate training on the fundamentals of marksmanship. Mastering the basics is the key to being successful at any task. These skills translate to every discipline and position of shooting and will pay much greater dividends than any new widget you can bolt onto your rifle or pistol.

SSG Telck: Fundamentals. Instead of spending money on gear and accessories, spend your money and time on ammo and safe practice at the range that reinforces the basics.



PS Magazine Posters: Help Spread the Word

/ Published Oct. 28, 2022

Article updated 10/28/2022

The Nov 2019 issue of *PS Magazine* (#804) was its last 64-page, cartoon-illustrated version of the publication. Taking its place was this website.

You know the saying, "out of sight, out of mind." When we were a print publication, we came to the reader. With our mobile app, you'd get alerts when new content was added.

Today, we rely on Soldiers and Warfighters finding and coming to us.

We need help promoting *PS Magazine*. Attached are two versions of a poster you can print out and put in day rooms, motor pools, leaders' offices, supply rooms, mess halls or other gathering spots. One is 8.5" x 11" and the other is 11" x 17". Both should be able to be printed on a standard office computer.

PS THE PREVENTIVE MAINTENANCE MAGAZINE



MAKE READING PS
A ROUTINE HABIT.
SCAN THE CODE
BELOW WITH YOUR
SMARTPHONE AND
BOOKMARK US.

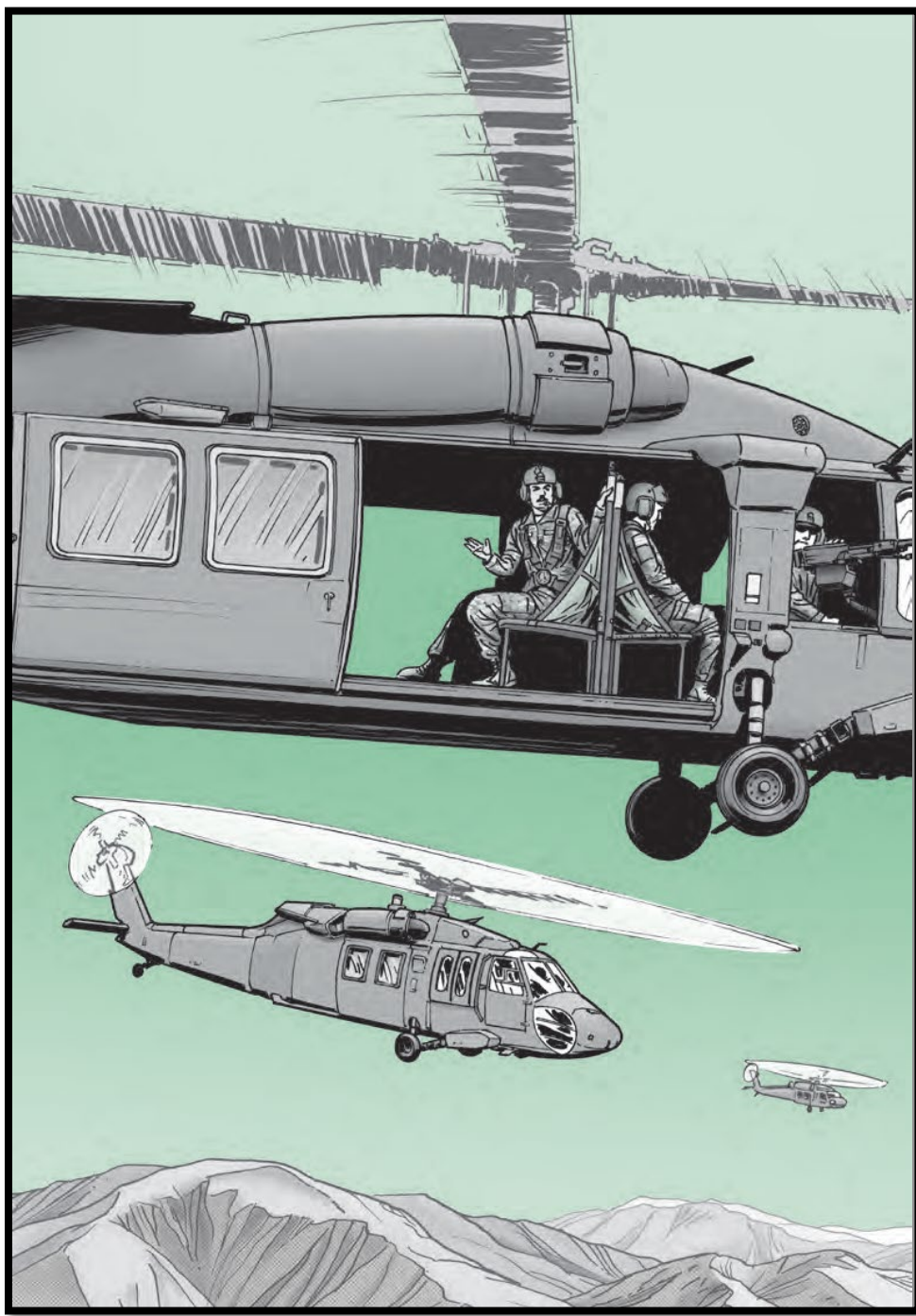


www.psmagazine.army.mil/

For the 8.5" x 11" poster, click [HERE](#).

For the 11" x 17" poster, click [HERE](#).

Aviation

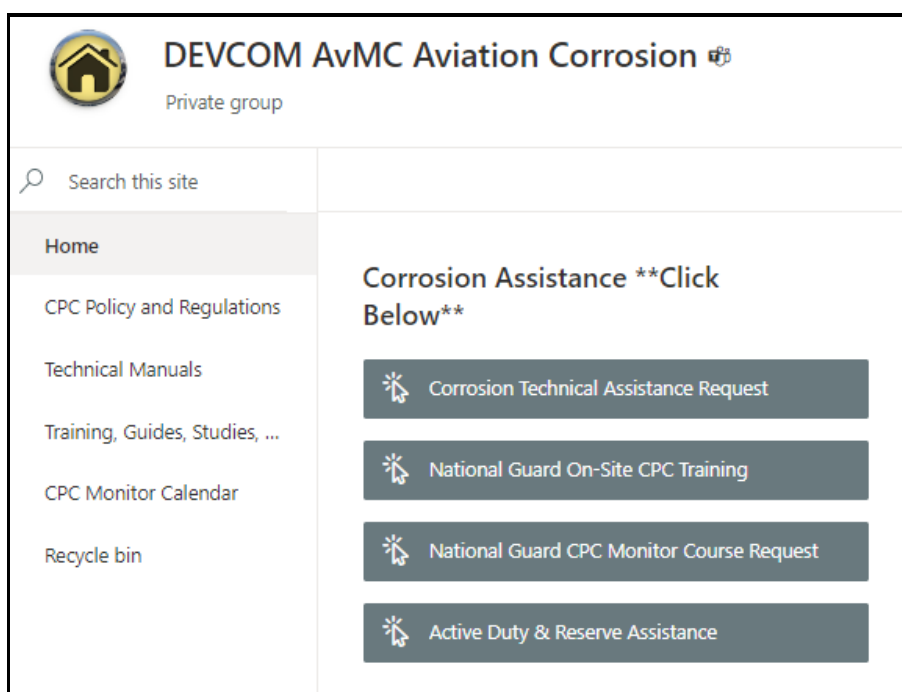




National Guard Aviation: DEVCOM's New Corrosion Website Now Live

/ Published Oct. 7, 2022

BLUF: DEVCOM has a new corrosion SharePoint site for National Guard Aviation



Courtesy photo

DEVCOM has established a new website for National Guard Aviation units and aviators to assist them with their corrosion assistance needs.

It's a one-stop shop that provides access to corrosion technical manuals (TMs), other technical and training information and guides, a 24-hour hotline and the ability to request assistance from DEVCOM's Corrosion Assistance Team.

Click [HERE](#) to view a PDF with more detailed information.

With CAC in hand, click [HERE](#) to access the site.



Black Hawk: Stabilator Actuator Lube Requirement Change

/ Published Oct. 12, 2022

BLUF: The lubrication requirement for the Black Hawk stabilator actuator has increased from 360 hours to 480 hours.



Photo by [Thomas Alvarez](#)

If you haven't heard, the lube requirement for the Black Hawk stabilator actuator has increased from 380 hours to 480 hours. This affects the following TMs and related work packages:

- TM 1-1520-280-23&P (May 22), WP 0283, *LUBRICATE STABILATOR ACTUATOR ASSEMBLY*
- TM 1-1520-237-23&P (Mar 22), WP 0265, *LUBRICATE STABILATOR ACTUATOR ASSEMBLY*
- TM 1-1520-246-23&P (Jun 21), WP 1852, *LUBRICATE STABILATOR ACTUATOR ASSEMBLY*

The work packages in the TM will still list the inspection at every 360 hours until the next TM revision is released, so be sure to post this change in IADS as described in our *PS* story [HERE](#)..

You can view the July-Aug 2022 Utility Helicopters newsletter page [HERE](#).

CBRN





CBRN: Making Sure JSGPM Masks Fit

/ Published Oct. 26, 2022

BLUF: Fitting the JSGPM is important to ensure it works when needed. Here are some tips.



Photo by [Spc. Pierre Osias](#)

For most Warfighters, the M50/M51 joint service general purpose mask (JSGPM) fits and seals just fine. But for 4 percent, it doesn't.

For these 4 percent, there's a hard-to-fit model, the M53A1 variant.

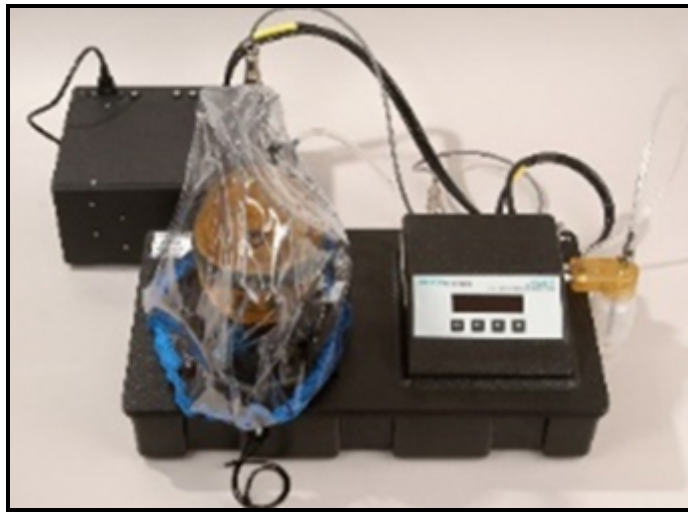


M53A1 Mask

To ensure proper fit of either the M50/M51 or M53A1, CBRN specialists use the M41A1 protection assessment test system (PATS) or the M46 joint service mask leakage tester (JSMLT). If the M50/51 doesn't fit properly, try the M53A1. If M53A1 fits, then turn in the M50/M51 JSGPM if already issued.



Protection assessment test system (PATS)



Joint service mask leakage tester (JSMLT)

In the very rare case a Warfighter can't be fitted for a mask (any version or variant), units will follow appropriate regulations and standard operating procedures.

Fitting Tips for the Standard Issue JSGPM

For the 96 percent of Warfighters assigned the M50/M51 JSGPM, performing PMCS is essential to ensuring the mask fits properly. Use the instructions in TM 3-4240-542-13&P (May 08). In other words, even the standard-issue JSGPM won't quite fit unless the TM's procedures are followed. A copy of the TM is on the LDAC ETM site [HERE](#). You'll need your CAC for access.

If a Warfighter is still having challenges fitting into a mask, remember these tips:

- Always use the M41A1 PATS or M46 JSMLT to test a mask's fit.
- If a small mask is too big to create a good seal, readjust and tighten the head harness, then test with PATS again. Sometimes that's enough for a good fit. If the mask still flunks the test, make sure the mask's head harness snaps back when it's stretched. Replace it if necessary.

Still having problems fitting a mask? A new TB is in final draft that offers additional fitting solutions. It will be published in the coming few months (we'll update you when it's available).

Warfighters should always turn to their unit CBRN NCO with any questions or concerns they might have about the proper fit and care of their mask.

Combat Vehicles





M88-Series Recovery Vehicles: PM Keeps Winches Working

/ Published Oct. 4, 2022

BLUF: Consistent PM is needed to keep winches working properly.



Photo by [Staff Sgt. True Thao](#)

Crewmen, your M88-series recovery vehicle's winches need regular care so they don't kink up your next mission. Here are some tips to follow after every mission to

ensure those winch cables are ready to do their job when needed:

- Spool out the cables on the main and hoist winches slowly. If you spool them out too fast, the cables might unspool completely and end up on the ground. Then you get to spend precious time winding them back onto the winches.
- Check the hydraulic controls for the boom, main winch, hoist winch and spade and make sure they're in good working order.
- If the winches were used during the last mission, check the cables for damage. Cables are unserviceable if there are three (3) broken wires per strand or six (6) broken wires per lay. Clean and lube good cables like it says in the -10 TM.

You'll find everything you need to know about keeping the kinks out of your recovery operations by following the AFTER PMCS procedures in TM 9-2350-256-10 (Feb 19) for the M88A1 and TM 9-2350-292-10 (May 22) for the M88A2.



Stryker: Turn off LAP Default to Change DVE/DSAD Settings

/ Published Oct. 6, 2022

BLUF: Turn off LAP to make manual adjustments to DVE and DSAD settings.



Photo by [Spc. William Howard](#)

A recent software update for the drivers vision enhancement (DVE) and drivers situational awareness display (DSAD) on Stryker V hull and flat-bottom variants doesn't allow crews to make manual adjustments to the display settings unless a specific default setting is changed.

The software update has local area processing (LAP) set as the default. LAP allows DVE/DSAD sensors to automatically adjust to enhance image capture and processing. That means crews can't manually adjust view settings such as contrast and brightness unless they first remove LAP as the default setting.

To determine whether your vehicle is equipped with DVE or DSAD, and learn how to remove LAP as the default setting, see TACOM Maintenance Information Message 22-050 [HERE](#).



M1-Series Tanks: FSRS Supplemental TM Available

/ Published Oct. 21, 2022

BLUF: Downloading the M1-series tanks' TM to supplement the Fire Suppression Refill System (FSRS) will give FSRS operators all they need to know to inspect and service the Abrams fire extinguisher valve and bottle assemblies.



Photo by [Spc. Nathan Franco](#)

Heads up! You might not be aware that there's an M1-series tanks' technical manual, TM 9-2350-454-23&P (Apr 22), which supplements the Fire Suppression Refill System (FSRS).

The TM gives FSRS operators all the information they need for inspecting and servicing the M1-series tanks' 2-lb and 12-lb dry chemical and Halon 1301 fire extinguisher valve and bottle assemblies.

You can download the TM [HERE](#). You'll need your CAC to access.



M1-Series Tanks: Immediately Report Cannon Tube Strikes

/ Published Oct. 21, 2022

BLUF: If your tank's cannon tube strikes any object, let maintenance know right away so it can be inspected for damage.



Photo by [Spc. Nathan Franco](#)

Driving your M1-series tank fast across uneven terrain is a routine part of being a tank crewman.

But there's always the risk of ditches, ruts or wadis. Driving over those can cause your tank's cannon tube to strike the ground. Anytime the cannon tube strikes the ground, there's the risk of damage. And that damage might not be apparent at first.

In addition to structural damage to the cannon tube and cradle, there's the potential for dirt and other debris to get inside the tube. Catastrophic cannon tube damage can

occur if a round is fired with anything inside the tube other than the round itself.

In fact, make it SOP that **all** cannon tube strikes, whether it's hitting the ground, a tree, another vehicle or a structure, must be reported to maintenance right away so the tube can be inspected for damage.

Commo/Electronics





Commo/Electronics: Grounding TC Available

/ Published Oct. 3, 2022

BLUF: Training Circular 6-02.6 covers grounding techniques.



Photo by Sgt. Seth LaCount

This article initially appeared in PS 794, p. 61 (Jan 19).

Every Soldier should know grounding procedures. Army Training Circular (TC) 6-02.6, *Grounding Techniques for Tactical Equipment and Systems* (Nov 17), covers various grounding techniques, including the Surface Wire Grounding Kit. It can help units set

up safe and effective earth grounding systems for tactical equipment, systems and shelters. It replaced TC 11-6 (Mar 89).

Find it at the Army Publishing Directorate:

<https://armypubs.army.mil>

Or the Central Army Registry:

<https://atiam.train.army.mil/catalog/dashboard>



Radio Systems: Smart Books Offer Detailed Info

/ Published Oct. 13, 2022

BLUF: PEO C3T has published four smart books for the following radio systems: AN/PRC-158, AN/PRC-163, AN/PRC-166 and AN/PRC-168.



Photo by [Sgt. 1st Class R.J. Lannom](#)

Here's good news for those searching for the NSNs and part numbers for the following radio systems: AN/PRC-158, AN/PRC-163, AN/PRC-166 and AN/PRC-168 and their variants and components. You can now support these systems with some new PEO C3T quick-reference guides covering subcomponents, accessories, parts and additional authorized lists.

Click the links below to access the smart books on milSuite (CAC required):

1. AN/PRC-158(V)3(C) Generation 2 Manpack

Including variants/components:

- RT-2034B(P)(C)/U
- AN/VRC-124(V)1 – Single Vehicular Mounted System
- AN/VRC-125(V)1 – Dual Vehicular Mounted System
- AN/VRC-131(V)1 – SINCGARS Legacy Adapter System
- AN/TRC-240(V)1 – Tactical Operations Center System

View or download [HERE](#).

2. AN/PRC-163(V)2 Handheld Leader Radio

Including variants/components:

- RT-2062A(C)/U
- AN/VRC-135(V)1

View or download [HERE](#).

3. AN/PRC-166(V)1 TSM Ghost Radio System

Including variants/components:

- RT-2092/U

View or download [HERE](#).

4. AN/PRC-168 TSM Shadow Radio System

Including variants/components:

- AN/PRC-168(V)1 – Dismounted Radio System
- AN/PRC-168(V)2 – Tactical Radio Integration Kit (TRIK)

View or download [HERE](#).



COMSEC: Securing the KGV-72

/ Published Oct. 17, 2022

BLUF: Don't leave the KGV-72 unsecured; maintaining proper key control is essential.



Photo by [Staff Sgt. Armando Limon](#)

Dear Half-Mast,

I've noticed that the programmable in-line encryption device KGV-72, NSN 5810-01-564-3364, is sometimes left unsecured.

I've seen some units unscrew the devices and store them outside the vehicles. It's usually because the KGV-72 lock key is missing or the locking block is broken. What's the solution for these problems?

Mr. K.J.

Dear Sir,

TM 11-5810-268-13 (Nov 17) states that a KGV-72 must be secured using the built-in locking block (also known as lock provision). The devices are often unsecured or unscrewed and removed because a padlock key was lost or worse, the block was damaged (see the article [HERE](#)).

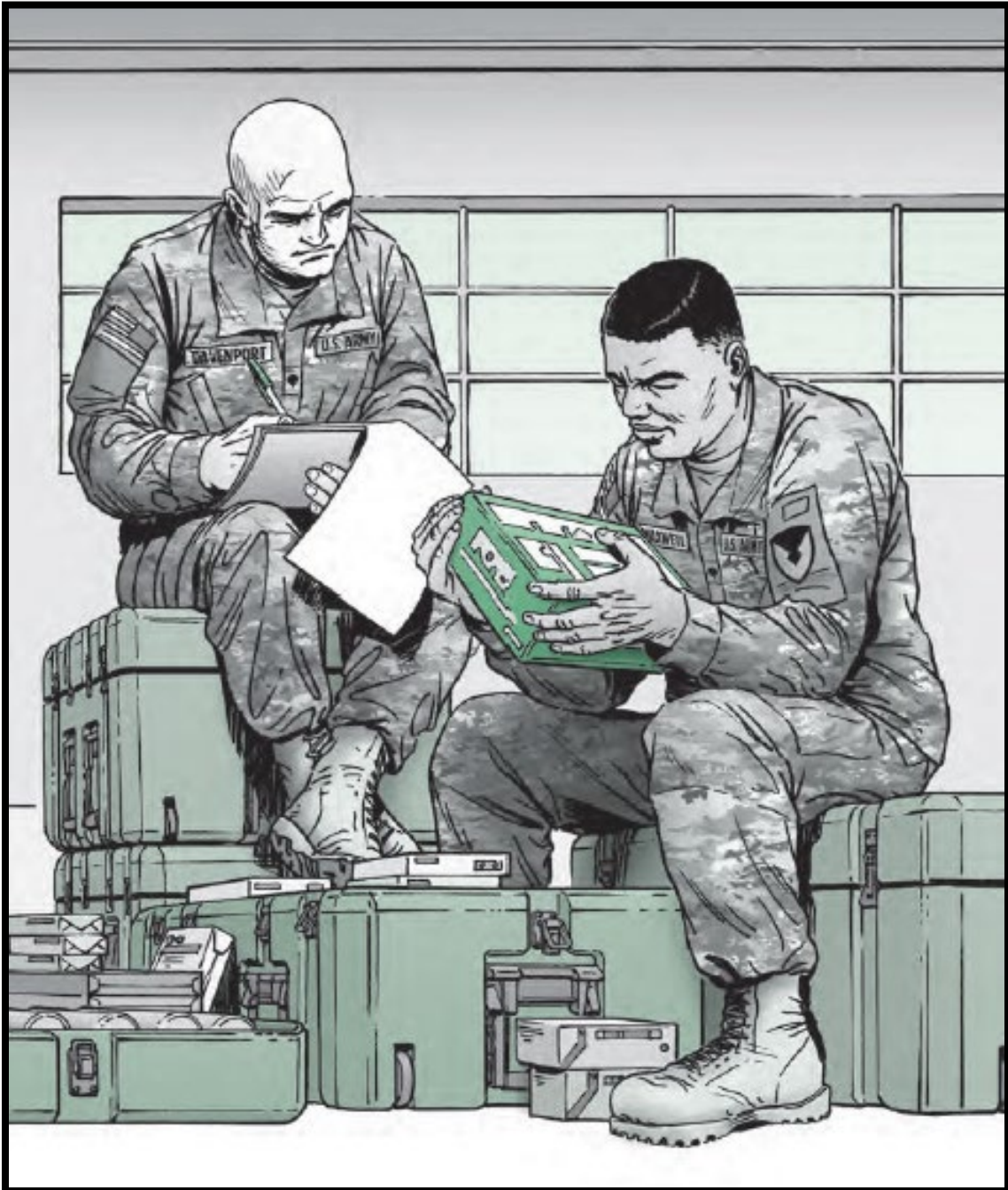
According to the Communications Security Logistics Activity (CSLA), units **must** ensure the KGV-72 is always locked. New KGV-72s come with four mounting screws and provision for a Series 200 lock; however, units must provide the lock itself.

Units can direct exchange a KGV-72 that has a broken locking block through the Army system, as long as FLIPL information is included with the request. Until the new KGV-72 is received, secure the damaged KGV-72 per unit SOP or guidance from the KGV-72 item manager.

Key loss is more often than not the result of lack of key control, which is a unit responsibility. The guidance and references provided [HERE](#) apply to this situation. A lot of headaches can be avoided by ensuring there's a key control SOP in place and that it's followed.

Half-Mast

Logistics Management





AUSA 2022 Interview with GEN Daly, AMC CG

/ Published Oct. 12, 2022

GEN Edward Daly, Commanding General of the US Army Materiel Command, recently spoke with *Defense News* Land Warfare reporter, Jen Judson, on what the Army is learning about logistics from the Russia-Ukraine conflict.

Click on the image below to view the video.



Image courtesy *Defense News*



Maintenance Mngt: Soak Up Motor Pool Spills, Then Dispose Properly

/ Published Oct. 24, 2022

BLUF: Use absorbent compound to safely soak up oil spills, then dispose of it properly.



Photo by [Sgt. James Geelen](#)

Order a 44-lb bag of absorbent compound, NSN 7930-00-269-1272, to soak up oil and spills in the motor pool.

Just pour the compound on the spill and sweep it up once the spill is absorbed. Then dispose of the compound in a proper HAZMAT container.

Table 1 of CTA 50-970 is your authority for ordering the compound. You can find it on the Army Publishing Directorate website [HERE](#).



Logistics: DLA Makes It Easier to Stay on Target

/ Published Oct. 26, 2022

BLUF: You can easily order over 50 types of qualification targets from DLA.



Photo by Sgt. 1st Class R.J. Lannom

Defense Logistics Agency's (DLAs) Document Services is making it easier to order weapons qualification targets. Over 50 types are available, including those for small and heavy arms, as well as long-range targets and boat-towed aerial qualification targets.

Click [HERE](#) to find out more.

Medical Logistics





Medical Logistics: OGFP Removed from Army Inventory

/ Published Oct. 17, 2022

BLUF: The oxygen generator, field portable (OGFP) is no longer supported and units must turn in any OGFP equipment by December 31, 2022.



Courtesy photo

Due to sustainment and supportability issues that affected readiness, the oxygen generator, field portable (OGFP) has been removed from the Army inventory.

Units must turn in OGFP equipment by December 31, 2022.

For further instructions, including POCs, see ALARACT 065/2022 [HERE](#).

Small Arms





M240H Machine Gun: Need an Egress Kit?

/ Published Oct. 4, 2022

BLUF: Get the M240H emergency egress kit with NSN 1005-01-445-3688.



Photo by [Sgt. Brian Calhoun](#)

If you have an M240H machine gun and need an emergency egress kit, here's what you need to order:

Item	NSN 1005-
Emergency egress kit	01-445-3688
Emergency egress kit contents	
Buttstock and hydraulic buffer assembly	01-461-2658
Trigger housing	01-394-1928
Weapon sling	01-533-4093

The emergency egress kit is only to be installed on the M240H machine guns.



M68 Reflex Sight: Get Replacement Information

/ Published Oct. 28, 2022

BLUF: The M68 reflex sight comp 4S is the replacement for the obsolete M68 reflex sight comp 2 and the terminal M68 reflex sight comp 4.



Photo Courtesy of TACOM

Units, here's what you need to know about the M68 reflex sight series:

- The M68 reflex sight comp 2, NSN 1240-01-411-1265, is obsolete and has no parts support.
- The M68 reflex sight comp 4, NSN 1240-01-540-3690, is a terminal item. It can be used until it becomes NMC, then a replacement must be ordered.

If you need a replacement for either the M68 reflex sight comp 2 or comp 4, order the M68 reflex sight comp 4S, NSN 1240-01-576-6134.

Soldier Support





Commo/Electronics: Grounding TC Available

/ Published Oct. 3, 2022

BLUF: Training Circular 6-02.6 covers grounding techniques.



Photo by Sgt. Seth LaCount

This article initially appeared in PS 794, p. 61 (Jan 19).

Every Soldier should know grounding procedures. Army Training Circular (TC) 6-02.6, *Grounding Techniques for Tactical Equipment and Systems* (Nov 17), covers various grounding techniques, including the Surface Wire Grounding Kit. It can help units set

up safe and effective earth grounding systems for tactical equipment, systems and shelters. It replaced TC 11-6 (Mar 89).

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Or the Central Army Registry:

<https://atiam.train.army.mil/catalog/dashboard>



Water: It's NOT Just for Summer Anymore

/ Published Oct. 5, 2022

BLUF: Dehydration can occur even in cold weather.



Photo by [Pvt. Ethan Scofield](#)

This article initially appeared in PS 734, p. 56 (Jan 14).

You know about the most common dangers posed by cold winter weather:

- **Frostbite**, the freezing of body tissue caused by exposure to freezing temperatures.
- **Hypothermia**, the lowering of core body temperature.

But there's also a third danger that occurs in cold weather, one that's often overlooked. It's **dehydration**, the loss of bodily fluids. It occurs when you lose more fluid than you take in. Lose enough and your body can't carry out its normal functions.

We usually think of dehydration as something that takes place during the hot summer months. But you can get dehydrated any time of the year. Labor long and hard enough in cold winter weather and you'll lose fluids. We just don't give much thought to drinking lots of water when we're out in the cold.

Here are the typical causes of dehydration...

- Not drinking enough water
- Severe diarrhea
- Vomiting
- High fever
- Too much sweating
- Increased urination

Symptoms of dehydration range from mild to moderate to severe, depending on fluid loss. Here are the symptoms of **mild to moderate dehydration**:

- Dry mouth and lips
- Fatigue
- Thirst
- Decreased urination
- Dry skin
- Headache
- Dizziness
- Lightheadedness
- Constipation

Left untreated, mild to moderate dehydration can worsen to **severe dehydration**. Here are the symptoms:

- Dry mouth
- Intense thirst
- Lack of sweating
- Lack of urination
- Extremely dark urine
- Confusion
- Dry skin that lacks elasticity and doesn't "bounce back" when pinched
- Low blood pressure
- Rapid heartbeat
- Rapid breathing

If you're severely dehydrated, **seek medical care at once**.

- Drink water **before** you become thirsty

- Eat foods with high water content, such as fruits and vegetables.
- Pay attention to your body and recognize signs of thirst.
- if you're exercising, hiking or doing physical work, drink plenty of water even if you don't feel thirsty.



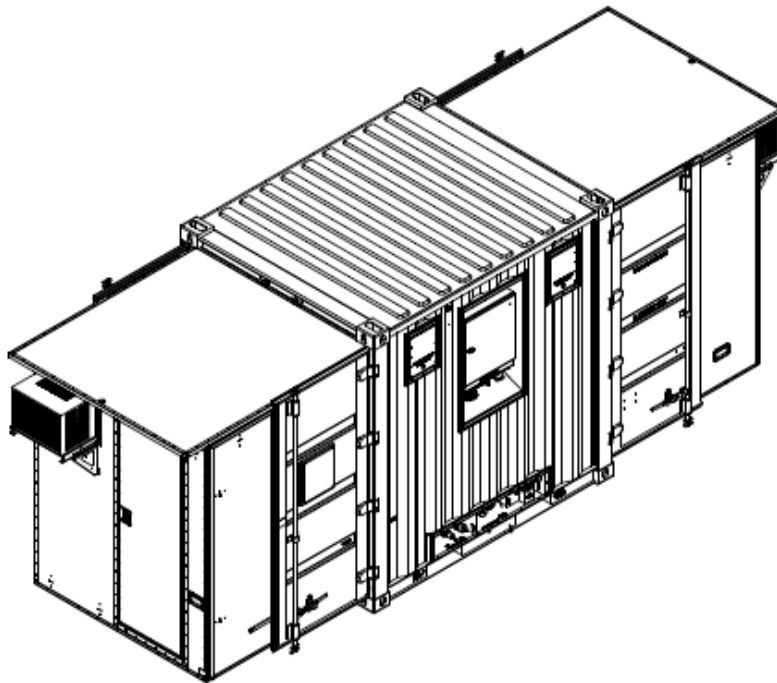
Sip, don't gulp water to help prevent dehydration



TRICON Laundry System: New -10 TM Available

/ Published Oct. 13, 2022

BLUF: A new TM 10-5419-215-10 (Oct 22) is available for the TRICON laundry system.



A new operator's manual for the TRICON laundry system, TM 10-5419-215-10 (Oct 22), is now available for download.

This -10 TM covers the tan expeditionary TRICON self-serve laundry system, NSN 5419-01-681-0948, PN 9-2-0356-2, and the green expeditionary TRICON self-serve laundry system, NSN 5419-01-681-0875, PN 9-2-0356-1. Chapter Four gives the operator PMCS instructions.

Search for the TM [HERE](#). You'll need your CAC to access. Select the ETM/IETM button, then click [Enter Site](#). You can search various ways but the easiest is to select Search Type: Pub Number, and then type in TM 10-5419-215-10.



Camouflage: Making a Face

/ Published Oct. 13, 2022

BLUF: Order camo face paint with NSN 6850-01-493-7309.



Photo by [Staff Sgt. Solomon Abanda](#) 

Soldiers, it's not every day you get permission to play with makeup, but when you do it's best to use official camo face paint. Ask your supply folks to order face paint, NSN 6850-01-493-7309.

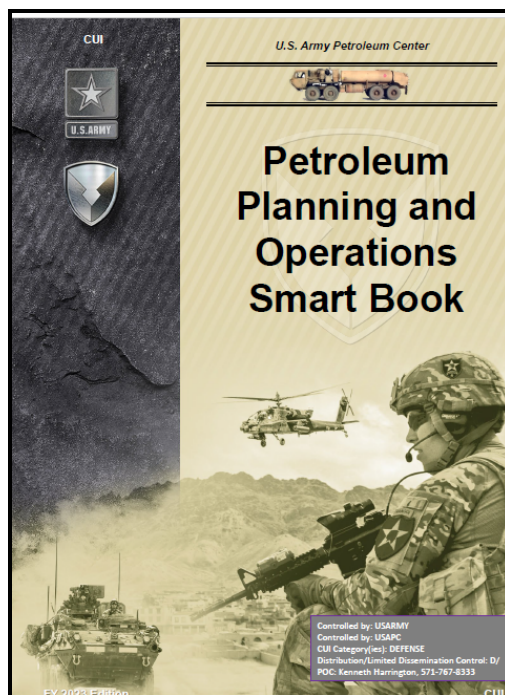
This NSN brings a box of 12 units for \$205.61.



Fuels: Petroleum Smart Book Updated

/ Published Oct. 21, 2022

BLUF: The FY23 edition of the *Petroleum Planning and Operations Smart Book* edition is available for download.



Courtesy photo

The FY23 edition of the *Petroleum Planning and Operations Smart Book* has been released. The smart book provides a source to assist petroleum planners with performing their duties. The book is updated every year with input from the owning organizations.

This year's new information includes the FY23 force structure, how to order the DD forms fuelers need and an update of the fuels technical letters page.

To get the smart book, you have two options. Go to the US Army Petroleum Center's website [HERE](#). When you're there, click on the yellow banner at the top, log in with your CAC, and you'll be directed to a SharePoint page. Once there, on the left-hand

side you'll see a link that says *References Page*. Click on that, then scroll down until you see the USAPC *Petroleum Planning and Operations Smart Book* (it's alphabetical so almost at the bottom), then click on the link and download it.

Or you can download it on milBook [HERE](#).



Soldier Support: Spotlight on DRES Mobile App

/ Published Oct. 21, 2022

BLUF: A Defense Health Agency app addresses service women's unique needs.

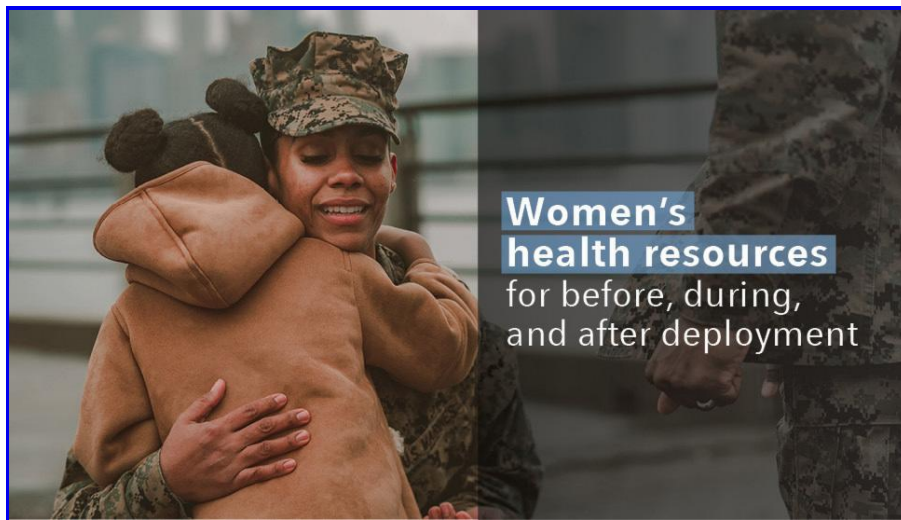


Photo by [Adrienne Rubio](#)

Deployment is a big deal, no matter your MOS or assigned location. But if you're a woman as well, you may face some gender-specific challenges.

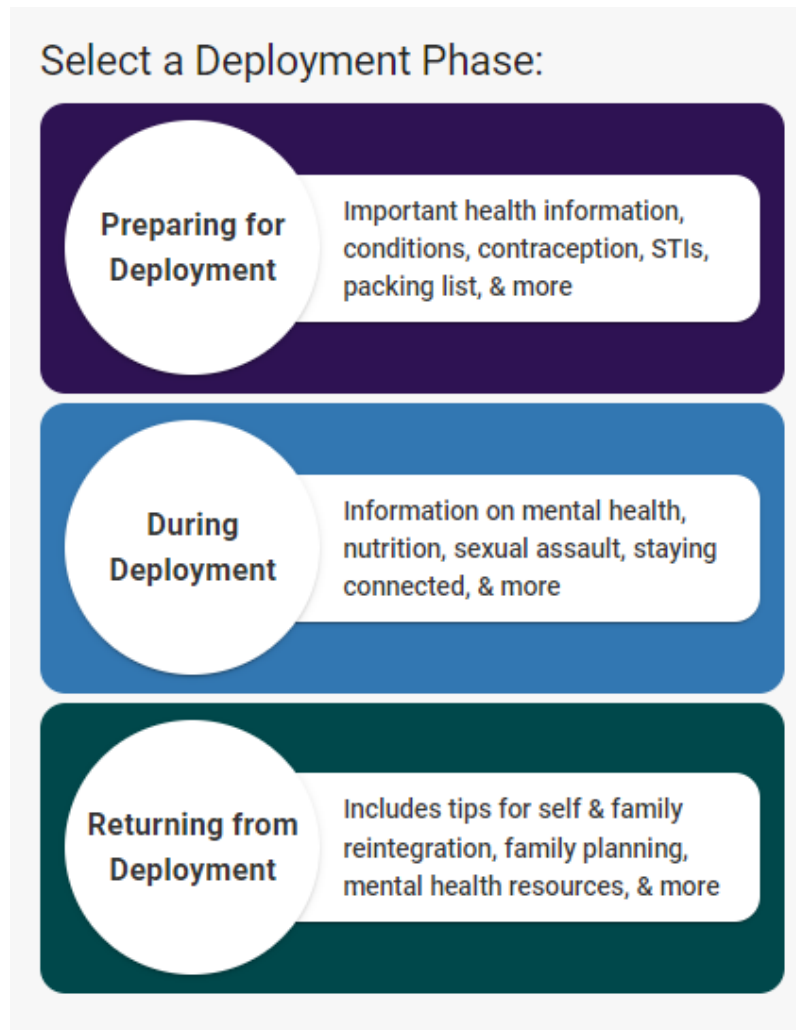
Some deployment resources are geared more toward male service members and, as such, may not fully meet women's needs. For this reason, the Defense Health Agency (DHA) created an app for women called the Deployment Readiness Education for Servicewomen (DRES). The app is a resource for servicewomen to use before, during and after deployments.

The app is the result of the contributions of all the military services, military women's healthcare providers, and military women and men. It was designed to be a one-stop shop for information on women's unique deployment needs. Created in 2022, it has since become the second-most frequently downloaded app in DHA's app inventory. The app covers a range of topics from packing lists, menstrual suppression,

contraception education and preventive healthcare to mental health resources and sexual assault support. To view a video about the app, go [HERE](#).

The 161-page handbook that also resulted from this effort is available [HERE](#).

You can download the DRES app to a smartphone for quick and easy access. Download it or 25 other DHA apps [HERE](#).



DRES app covers three stages of deployment

Also currently under development is another DHA app aimed at clinicians, which will focus more broadly on women's health needs.



Soldier Support: When Noise is the Enemy

/ Published Oct. 24, 2022

BLUF: Your hearing depends on proper protection and, in many settings, it's not optional.



Photo by Staff Sgt. Jacob Sawyer

This article initially appeared in PS 776 (Jul 17), pp. 24-26.

Listen up! Your hearing might depend on it. Everyday noise from engines, compressors, jackhammers, shop equipment, power generators and artillery fire injures your hearing over time.

Exposure to certain chemicals called ototoxins (ear poisons), alone or in combination with hazardous noise, can also cause hearing loss. Examples include fuels, pesticides and nerve agents. Activities where noise and ototoxins often combine include painting, fueling vehicles or aircraft, and firing weapons. Get a fact sheet

about ototoxins [HERE](#).

Even if a noise doesn't seem loud it can harm you, even during training.



Hearing loss is gradual

Hearing loss is gradual. By the time you realize you're losing your hearing, the damage has already been done.

Not only can hearing loss risk your safety, it can put combat communications in jeopardy. Mission safety and effectiveness can be compromised.



It's in the regs

Soldiers and DA civilians **must** wear the right hearing protection when working with or around equipment, vehicles, aircraft or weapons that produce hazardous noise levels. For specific noise limits and hearing protector requirements, see Section 7-13 in DA

Soldiers and deployed personnel must wear authorized hearing protectors in combat, particularly when firing weapons, riding in tactical vehicles or in aircraft. Hearing protectors also improve readiness and preserve communications.

Tactical Communications and Protective Systems (TCAPS) are designed to amplify low-volume sounds and help face-to-face and radio communications, while protecting the ears from hazardous impulse noise like weapons fire. Additional info on TCAPS and other operational hearing protection devices can be found in Chapter 6 of DA Pam 40-501.

If you work in a noisy area or your TM directs you to wear hearing protection, you may need earplugs, noise muffs, noise-attenuating helmets, TCAPS or a combination of these. Your installation industrial hygienist, safety officer or preventive medicine representative can test your workplace for dangerous noise levels and recommend appropriate hearing protection.

Hearing Protection Choices

The most common types of hearing protection include triple- or quad-flange preformed earplugs, handformed (foam) earplugs and noise muffs. Active hearing protection devices (HPDs) and other specialized HPDs can be used as well, if appropriate for the listening environment.

Ear canal caps can be used to protect against short or intermittent noise at 95 decibels or less. They're not as effective in cutting out noise as earplugs or noise muffs.

Handformed (foam) earplugs are disposable, can be used over multiple days if kept clean, and do not require fitting by medically trained personnel. Medical personnel must fit the required preformed triple- or quad-flange earplugs for every servicemember.

Noise muffs are popular due to ease of use. However, to be effective, the headband and earcups must be placed snugly against the head with no gaps. That makes their use impractical in some situations. You can order noise muffs through the federal supply system or from commercial sources.



Photo by Sgt. 1st Class Michel Sauret

For a list of approved hearing protection and the NSNs to order them in various sizes, see Tables 7-3 to 7-5 in DA Pam 40-501.

You'll also find info about the Army Hearing Program (AHP), including hearing testing, protector use and requirements, noise exposure limits and more on the Army Public Health Center website [HERE](#), including contact information.

Note: *Several article links were updated to current URLs.*

Tactical Vehicles





FMTV: Updated Procedures for CTIS Semiannual Check

/ Published Oct. 4, 2022

BLUF: Spray CTIS assembly with a soap and water mix to identify potential leaks.



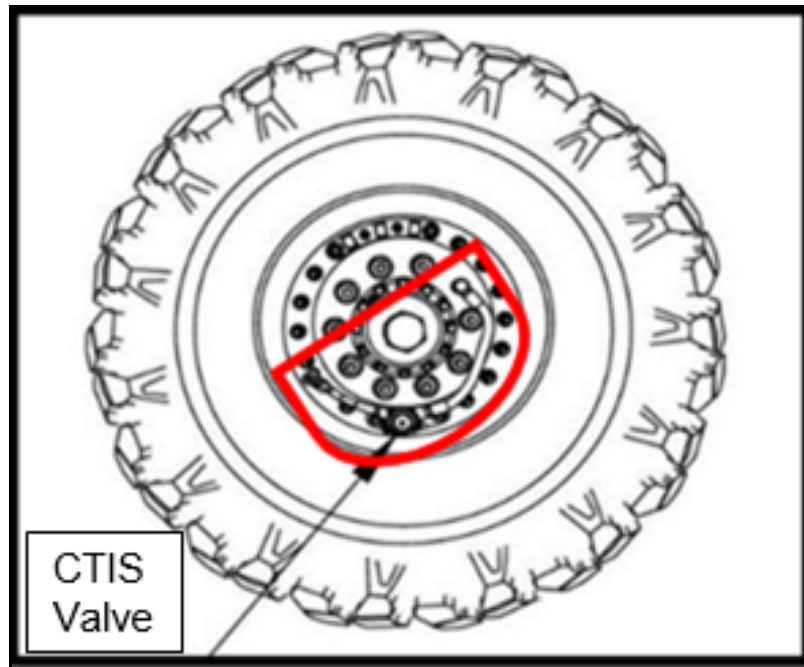
Photo by [Spc. Derek Mustard](#)

Warfighters, the semiannual PMCS instructions for inspecting the FMTV's central tire inflation system (CTIS) wheel valve assembly have been updated.

Here's how to properly inspect the CTIS on all FMTV wheel and tire assemblies:

1. Start the truck and allow CTIS to build up air in the tires until the flashing light on the selector turns solid red.
2. After CTIS has completed the inflation cycle, turn the vehicle's engine switch to the OFF position.

3. Spray the CTIS valve assembly, control hose assembly (large hose) and tire hose assembly (small hose) with water mixed with liquid soap to check for leaks. Where bubbles start to form, there's likely a leak. If leaking, repair or replace the leaking part.



Spray CTIS valve, large hose and small hose with water mixed with soap to find leaks

Jot this info down until TM 9-2320-333-23&P (IETM EM 0372, Jun 19) is updated.



M900-Series Fuel Tankers: Looking for an Engine Access Door?

/ Published Oct. 14, 2022

BLUF: There are two (2) different Lombardini engine access door NSNs, so be sure to check your specific M900-series fuel tanker model before you order one.



Photo by [Sgt. James Geelen](#)

Maintainers, there are two (2) different Lombardini engine access door NSNs for M900-series fuel tankers. You'll want to make sure that you verify the M900-series fuel tanker model, and then use the correct engine access door NSN for that model.

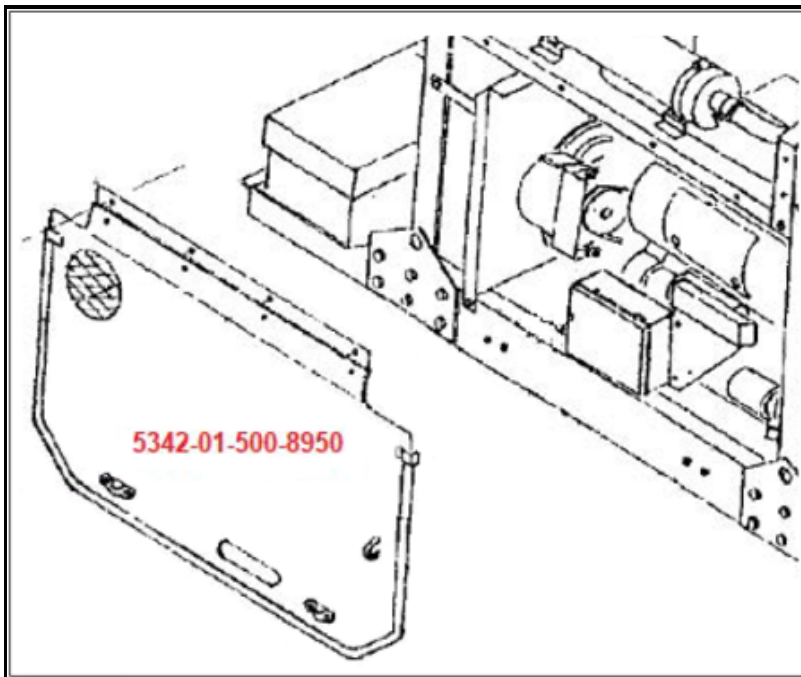
Guidance for M967A1, M969A1 and M969A2 Fuel Tankers



Quickly ID these models by the exhaust ports
on and above fuel tanker engine access door

For M967A1, M969A1 and M969A2 fuel tankers, the engine access door isn't shown or listed in TM 9-2330-339-23P (Dec 15).

You can get an engine access door assembly with NSN 5342-01-500-8950 for about \$736. The assembly comes with all the parts already installed on the door, including the seal, as shown below:



Engine access door assembly

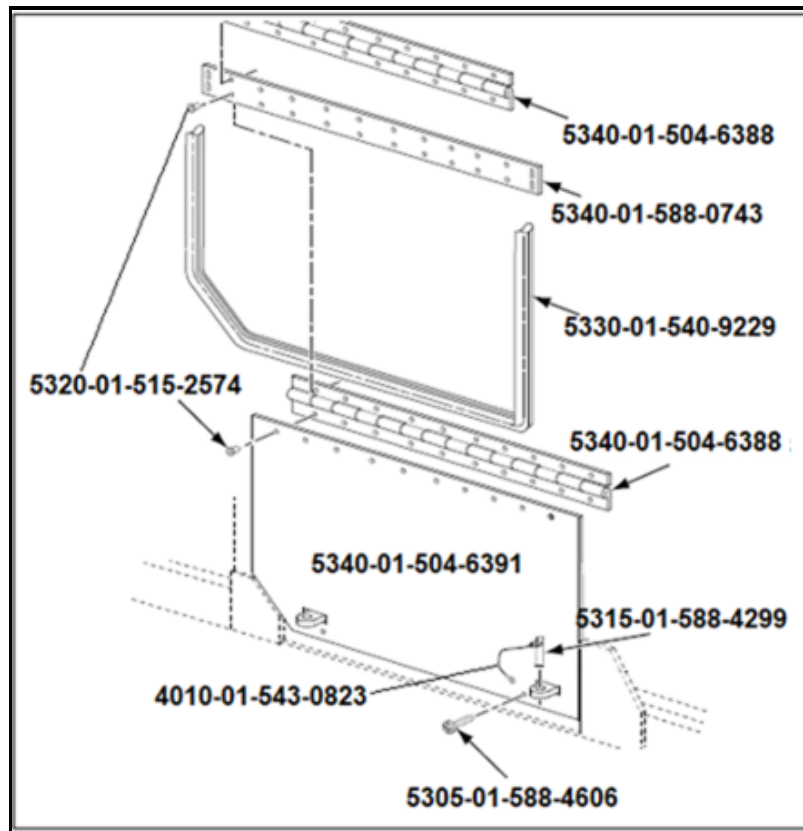
Guidance for M967A2 and M969A3 Fuel Tankers



For M967A2 and M969A3 fuel tankers, get an engine access door using NSN 4350-01-504-6391 for about \$878.

Note that this NSN brings **only** the engine access door and not an assembly, so you may need to order other parts, like the seal. Be sure to refer to TM 9-2330-339-23P (Dec 15).

Here are additional NSNs for engine access door parts:



Parts not included with engine access door, NSN 5340-01-504-6391

Parts not included with engine access door, NSN 5340-01-504-6391	
Nomenclature	NSN
Engine access door	5340-01-504-6391
Hinge, butt	5340-01-504-6388
Mounting, bracket	5340-01-588-0743
Seal	5330-01-540-9229
Rivet	5320-01-515-2574
Quick release pin	5315-01-588-4299
Wire rope	4010-01-543-0823

Parts not included with engine access door, NSN 5340-01-504-6391	
Nomenclature	NSN
Machine screw	5305-01-588-4606



M-ATV FOV: New Inspections Prevent Damaged NATO Cables

/ Published Oct. 25, 2022

BLUF: Use new inspection instructions to protect NATO cables on M-ATVs



Photo by [Cpl. Khoa Pelczar](#)

TACOM Maintenance Action (MA) message 23-001 tells you to inspect your M-ATV's hood during Before PMCS checks for missing or damaged hood brackets and hard stops, as well as the quick edge because all three can damage the NATO cables if they're missing, damaged or not operating properly.

More specifically, missing or damaged hood hard stops can allow the hood to overextend and if the quick edge is missing or damaged, it will allow the edge of the hood mount to rub against the NATO cables.

Here's a list of the affected M-ATV models:

Model	NSN 2355-
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M1240A1	01-596-1330
M1245A1	01-641-2096
M1274	01-621-5506
M1276	01-620-7041
M1277	01-623-0967

You can inspect the NATO cables for damage using the procedures outlined in TM 9-2355-335-10 (Jan 22); however, until the TM is updated, procedures for inspecting the hood can be found [HERE](#) (you'll need your CAC to access).

Be sure to replace any damaged or missing parts.

