

### ISSUE 792 NOVEMBER 2018



#### COMBAT VEHICLES

PREVENTIVE MAINTENANCE

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**Connie's Post Scripts** 

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usarmy.redstone.logsa.mbx.psmag@mail.mil

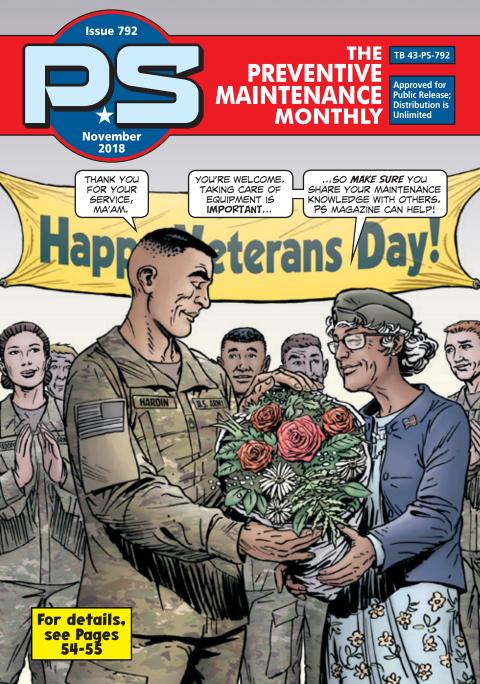
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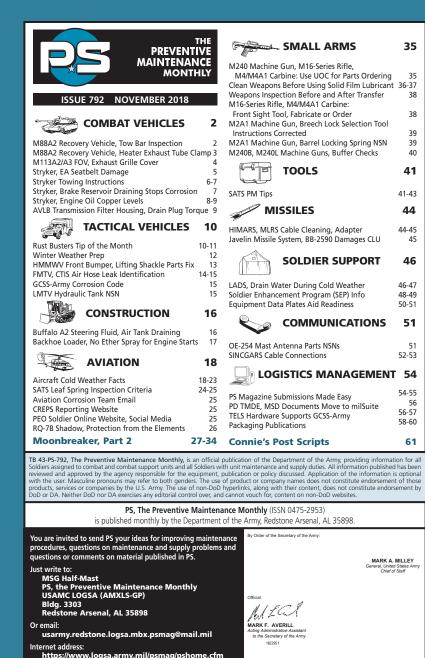
MARK A. MILLEY General, United States Army Chief of Staff

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MARKE AVERILL cting Administrative Assistant to the Secretary of the Army 1922051





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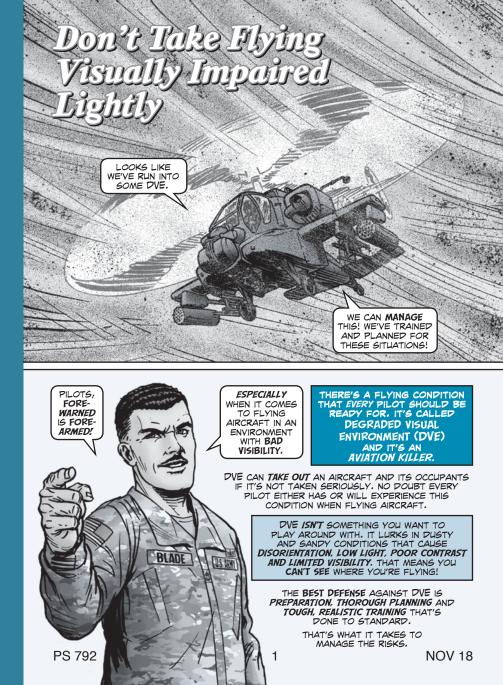
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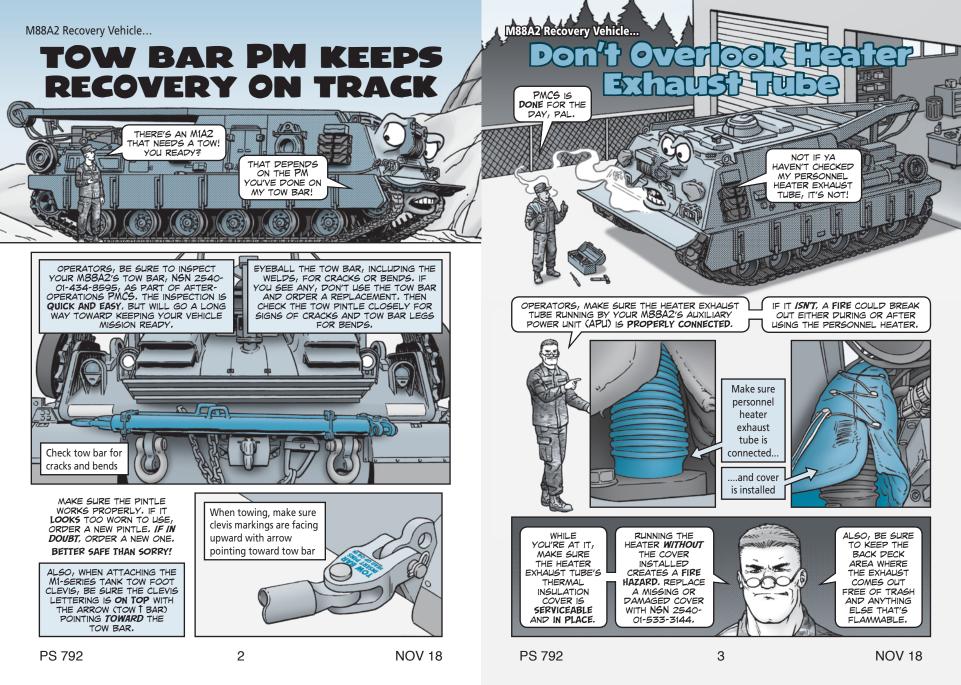
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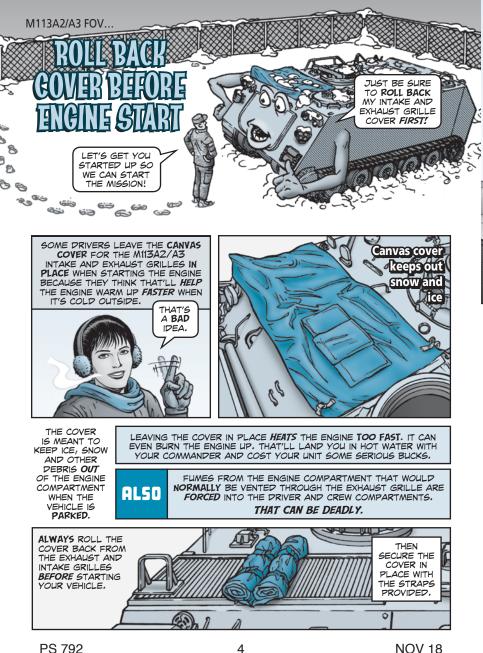
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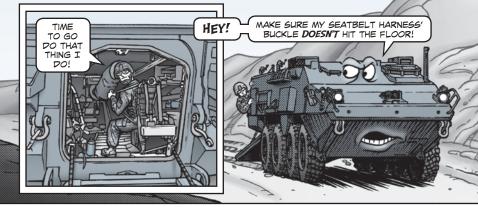






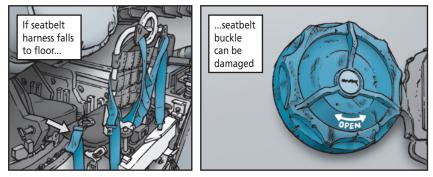
M1129 MCV, M1133 MEV, M1134 ATGM Strykers...

### **Buckle Down on** EA Seatbelt Damage



Crewmen, your Stryker's energy attenuating (EA) seats can save you from serious injury-or worse-during a blast from a mine or IED. But the EA seat, NSN 2540-01-633-6805, can't do its job if the four-point seatbelt, NSN 2540-01-671-1897, is damaged.

When exiting your vehicle through the lowered ramp door, be careful not to let the seatbelt harness fall to the floor. That can damage the seatbelt buckle.



The buckle can also fall into the crack between the ramp door and the vehicle hull. When the ramp closes ... CRUNCH! Not only is the buckle damaged but maybe even the ramp door or hull.

So don't get in such a hurry that you neglect to keep those seatbelt buckles safe from damage. If you do, your Stryker could end up NMC!

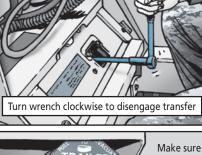
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REWMEN, IT'S VITAL THAT YOU CHECK OUT YOUR STRYKER'S -10 TM BEFORE TOWING TO ENSURE YOU DO IT THE RIGHT WAY. DOING IT WRONG RESULTS IN A DAMAGED VEHICLE.

JUST LIKE IT SAYS IN THE TM, IT COULD THE BEST WAY TO FLAT-TOW EVEN A DISABLED STRYKER IS WITH CATCH ANOTHER STRYKER USING A FIRE!





TOW BAR.

parking brake on disabled vehicle is disengaged

YOU NEED TO FOLLOW

ALL OF THE TOWING PROCEDURES EXACTLY

AS THEY'RE SHOWN IN THE -10 TM. THAT WAY

YOU CAN'T GO WRONG!

YOU CAN VERIFY THAT THE TRANSFER CASE IS DISCONNECTED BY REMOVING THE #4 ENGINE ACCESS PANEL. THEN USE YOUR HAND TO ROTATE THE DRIVE SHAFT TO MAKE SURE IT SPINS FREELY WITHOUT BINDING. IF THE SHAFT BINDS AND DOESN'T SPIN FREELY, TRY AGAIN TO DISENGAGE THE TRANSFER CASE.

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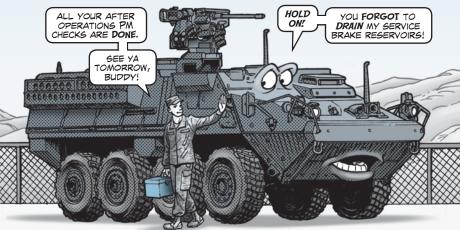
**NOV 18** 

AND REMEMBER THAT IF A STRYKER IS SO DAMAGED IT CAN'T BE FLAT-TOWED, MECHANICS SHOULDN'T USE A HEMTT WRECKER TO TOW WITH THE STRYKER'S FRONT END SUSPENDED.

NOT ONLY WILL TOWING A STRYKER WITH THE FRONT END SUSPENDED DAMAGE THE REAR SUSPENSION AND HUBS ON THE STRYKER, BUT IT CAN ALSO BREAK THE HEMTT'S LIFT CYLINDERS. INSTEAD, CALL FOR AN M916 TRACTOR TRUCK WITH AN M870A1 SEMITRAILER.

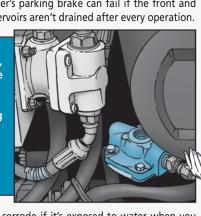
FOR MORE INFORMATION ON STRYKER TOWING, CHECK OUT TACOM MAINTENANCE ACTION MESSAGE #18-007 AT: https://tulsa.tacom.armu.mil/Maintenance/message.cfm?id=MA18-007.html

### Stryker... PUT BRAKES ON VALVE CORROSION



Crewmen, your Stryker's parking brake can fail if the front and rear service brake reservoirs aren't drained after every operation.

If you don't drain the reservoirs. moisture gets inside the parking brake valve and corrodes it. So make draining them a regular part of after-operations PMCS. The -10 TM shows you how to do it right.



The valve can also corrode if it's exposed to water when you wash your vehicle. Be sure to avoid spraying water directly on the valve. Better yet, cover it before washing your Stryker.



THE PARKING

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TO DISCONNECT THE

TRANSFER CASE

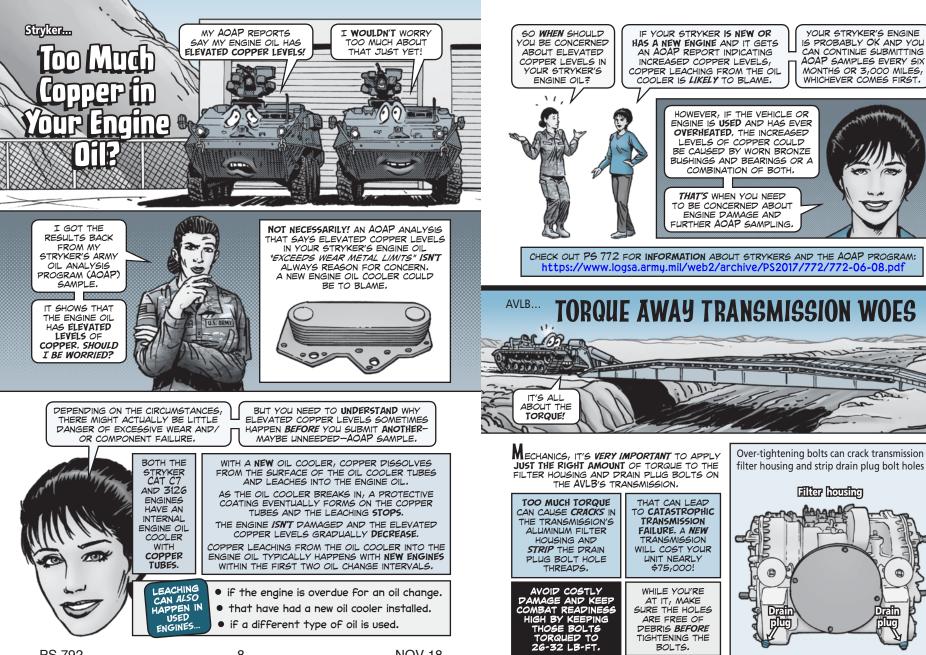
AND RELEASE THE

PARKING BRAKE

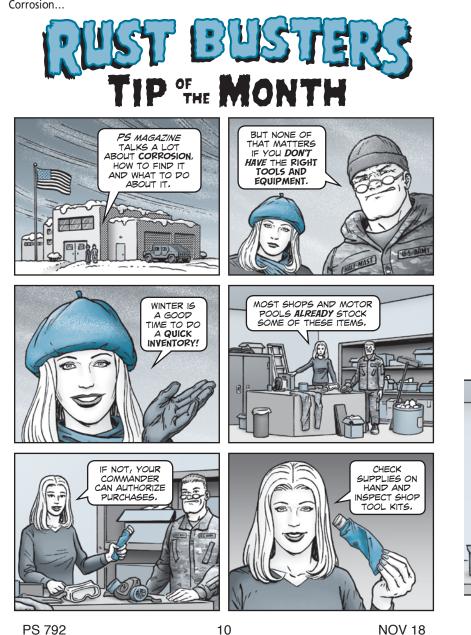
ON THE DISABLED

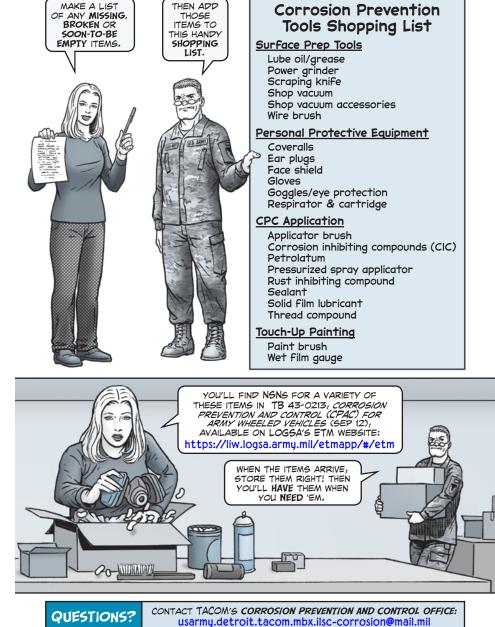
VEHICLE BEFORE

TOWING.



Corrosion...







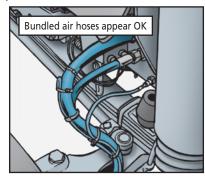


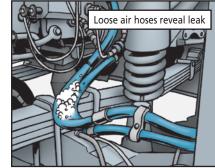
Dear Editor,

We recently had a tire deflation problem with the two front tires on an FMTV while the electronic control unit (ECU) showed five flashing lights. We swapped out both tires with spares, but the tires continued to deflate.

We followed the troubleshooting guide in the TM and replaced all the central tire inflation system (CTIS) components, including the quick release valve (QRV), wheel valve, pressure switch, pneumatic control unit (PCU), ECU, CTIS seals and wiring harness.

Then we sprayed soapy water on all the supply lines and tire hoses to look for an air leak. We found no signs of a leak, but the deflation problem continued. Finally, I decided to cut the zip ties that secure the front air hoses together in a tight bundle. This allowed them to unwind and hang free. Then I sprayed soapy water on the hoses again.



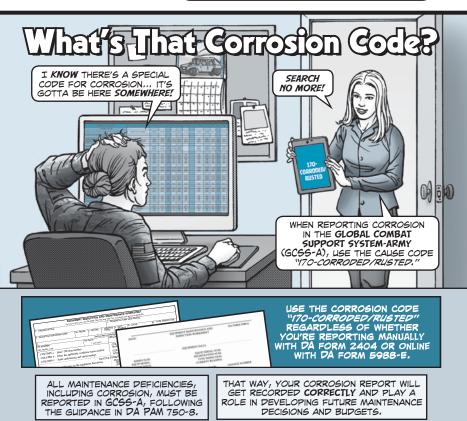


That did the trick! The soapy water bubbled up and made the leaks easy to detect. We replaced the front air hoses, and that fixed the deflation problem.

The moral of the story: when CTIS air hoses are tightly banded together, you can't always see or detect air leaks. Before you start replacing CTIS components, separate the tightly banded air hoses and check for air leaks first. This could save a lot of time and costly replacements!

Ricardo S. Iriarte Annville, PA

**Editor's note:** *Many thanks, Ricardo. Soldiers, don't forget to re-secure the lines after the repair.* 



### LMTV Hydraulic Tank NSN

Get a new hydraulic tank for the 2  $^{1}$ /<sub>2</sub>-ton LMTV with NSN 4320-01-645-5255. This is the correct NSN for *all* FMTVs, but Item 13 in Fig 125 of TM 9-2320-333-13&P (Jun 15) lists NSN 4320-01-504-5020 for the LMTV. That's wrong, so make a note until the TM is updated.

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BEFORE AND AFTER THE DAY'S RUN, KEEP THESE CHECKS IN MIND TO KEEP YOUR BUFFALO MISSION-READY:

#### Fluid Warm Up IN COLD WEATHER, LET THE POWER STEERING FLUID WARM UP BEFORE MOVING THE STEERING WHEEL (ABOUT 30 MINUTES).

FOLLOW THE DO NOT FORCE THE STEERING

CAUTION PLACARD ON THE INSTRUMENT PANEL: WHEEL TO TURN WHILE VEHICLE IS STATIONARY.

THAT WAY YOU'LL AVOID POWER STEERING LEAKS.

### **Easy Pull on Cable**

YOU'VE GOT TO PRAIN THE AIR TANKS ON YOUR BUFFALO EVERY DAY AFTER OPERATION. IF YOU FORGET, MOISTURE BUILDS UP AND CREATES CORROSION THAT PLUGS UP THE ENTIRE AIR SYSTEM, INCLUDING BRAKE VALVES AND CYLINDERS. THAT CAN ALSO LEAD TO BRAKE FAILURE.

SO DRAIN WATER FROM THE PRIMARY AND SECONDARY AIR TANKS ON THE DRIVER'S SIDE OF THE VEHICLE.

THE TANK HAS THREE PULL CABLES. JUST DON'T YANK ON THEM. THE ADDED STRESS WILL EVENTUALLY BREAK A CABLE.

PULL ON THE CABLES JUST UNTIL YOU HEAR AIR COME OUT. THAT'S FAR ENOUGH. AND MAKE SURE YOU PULL STRAIGHT OUT ON THE CABLES. YANKING OR PULLING THE CABLES SIDEWAYS WEARS OUT THE PROTECTIVE SLEEVE AND EXPOSES THE METAL STRANDS.

EVENTUALLY, THE CABLE DETERIORATES AND BREAKS, ESPECIALLY IF IT'S YANKED ON EVERY DAY DURING CHECKS AND SERVICES!



AKE A QUICK WALK THROUGH ANY ENGINEERING BATTALION AND YOU'LL SEE LOTS OF CONSTRUCTION EQUIPMENT WITH BUILT-IN STARTING AIDS. THESE AIDS HELP VEHICLE ENGINES TURN OVER IN COLD WEATHER.



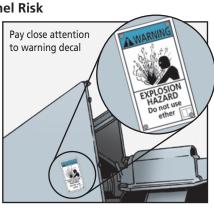
DON'T EVEN THINK ABOUT HEADING BACK TO THE WORKBENCH, GRABBING A CAN OF ETHER SPRAY, AND GIVING IT A GO! SPRAYING ETHER IN YOUR BHL'S ENGINE WILL CRACK PISTONS, BEND RODS AND RUIN HEADS.

### Personnel Risk

TO BRING THE POINT HOME, A WARNING DECAL IS MOUNTED ON THE STREET SIDE OF THE BHL: **EXPLOSION HAZARD -**DO NOT USE ETHER

THERE'S AN IMPORTANT REASON FOR THE DECAL. THE BHL'S ENGINE MANIFOLD INTAKE HEATER IS JUST ON THE OTHER SIDE, THAT HEATER GETS OVEN HOT, SO A SPRAY OF ETHER WILL IGNITE AND TRAVEL RIGHT BACK TO THE ETHER CAN. THAT CREATES AN EXPLOSION THAT CAN CAUSE SEVERE BURNS, SCARS, BLINDNESS OR EVEN DEATH!

SO IF YOU'RE HAVING PROBLEMS STARTING YOUR BHL, KEEP YOUR HANDS OFF THE SPRAY CAN ETHER AND GRAB A MECHANIC INSTEAD





### Fact 1: Cold Fuel

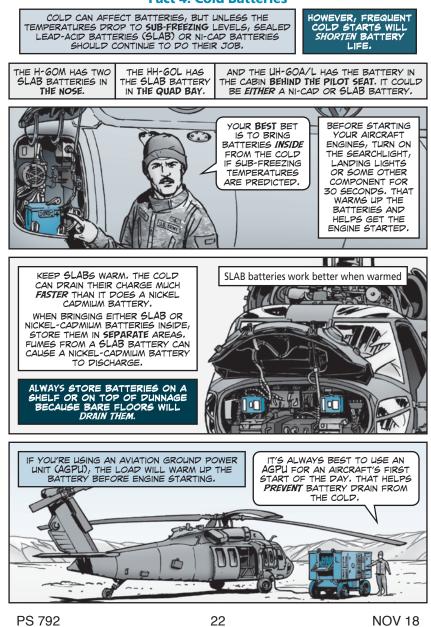


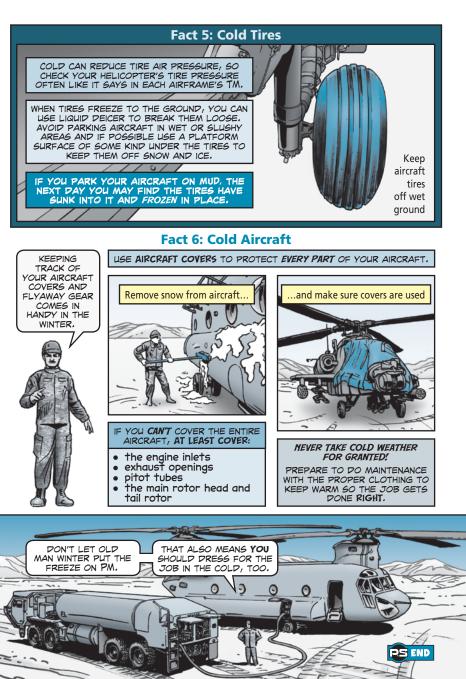
SPILL.



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### Fact 4: Cold Batteries





### AGSE... New Inspection for SATS Leaf Spring Wear



Mechanics, the leaf spring assemblies on the standard aircraft towing system (SATS), NSN 1740-01-575-5662, are experiencing excessive wear that can put the SATS in a non-mission capable status.

While not a safety issue, the distance between the vehicle frame and leaf spring assembly can exceed the design constraints over time. If that happens, the leaf spring assembly can rub against the drive train.

New leaf spring inspection criteria will be added to the SATS' TM 1-1740-221-13&P at the next update. In the meantime, here are the new criteria:

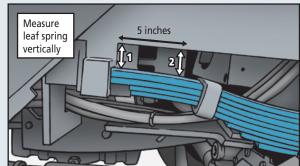
### Inspection Conditions



- With the engine shut down, make sure the transmission is in park.
- Chock the vehicle tires.
- Only use standard measurements such as <sup>1</sup>/<sub>2</sub> inch, <sup>3</sup>/<sub>8</sub> inch, <sup>9</sup>/<sub>16</sub> inch (+/- <sup>1</sup>/<sub>16</sub> inch).
- Take measurements at the rear, outboard edge of the front leaf spring assembly on the driver and passenger sides where the springs enter the housing block shackle.

### Leaf Spring Measuring

- 1. Measure vertically from the vehicle's frame to the point where the leaf spring assembly enters the rear housing block shackle.
- 2. Move the ruler forward five inches and measure vertically from the top of the leaf spring to the frame.



- **3.** Subtract the lesser measurement from the greater one. If the result is less than one inch, no further action is necessary. If the difference is one inch or greater or the leaf spring assembly touches the vehicle frame, go to Step 4.
- **4.** On the DA Form 2404 (manual) or 5988-E (electronic), enter a / status symbol with the following: "Left/right leaf spring assembly sag measures \_\_\_\_\_." Enter your measurement in the blank.

In the future, units should order and replace both the front left and front right leaf spring assemblies at the next 500-hour/semiannual service. Make sure you replace both assemblies at the same time.

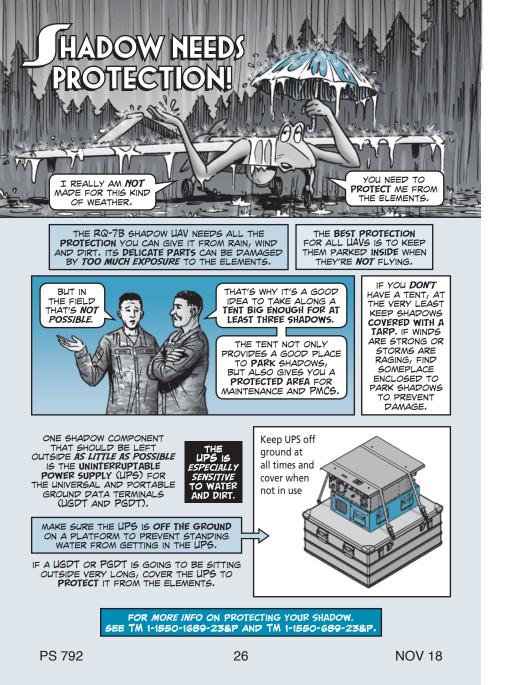
### **Got Aviation Corrosion Questions?**

Fighting corrosion is a daily battle. And in that fight, sometimes questions come up about how best to fight corrosion. To get answers, contact the aviation corrosion team by email: usarmy.redstone.rdecom-amrdec.mbx.amcom-corrosion@mail.mil

### Stay Connected with PEO Soldier

Got questions about PEO Soldier items? Check out their website at: http://www.peosoldier.army.mil/

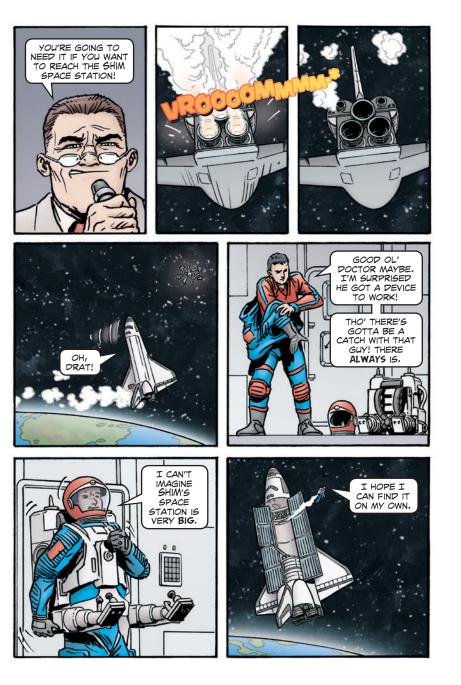
Also check them out on social media: https:twitter.com/PEOSoldier https://facebook.com/PEOSoldier https://flickr.com/peosoldier https://youtube.com/user/USArmyPEOSoldier



### JAMES BONDO in MOONBREAKER (part 2)

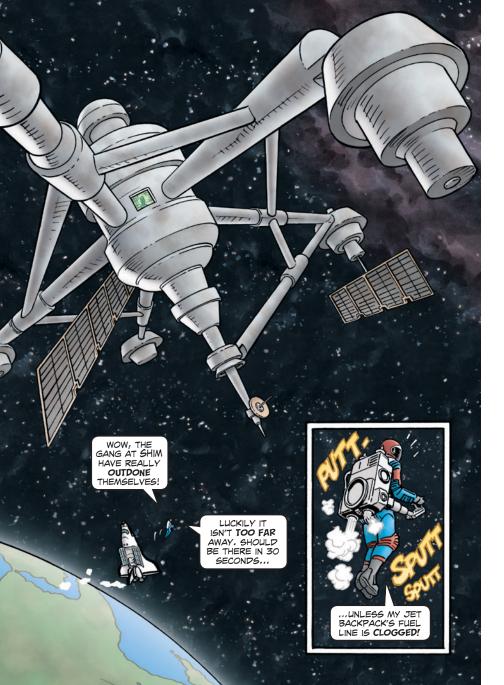


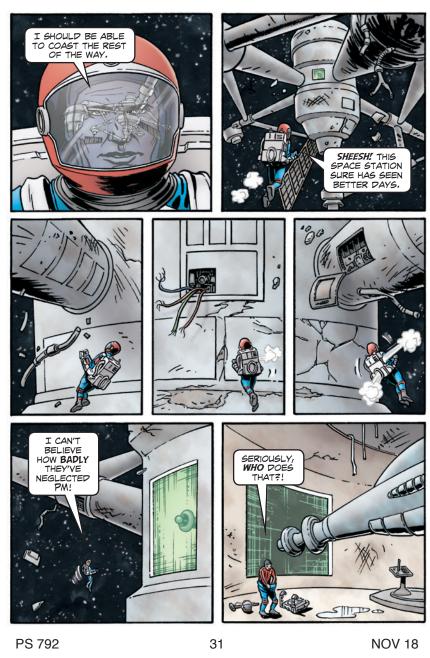


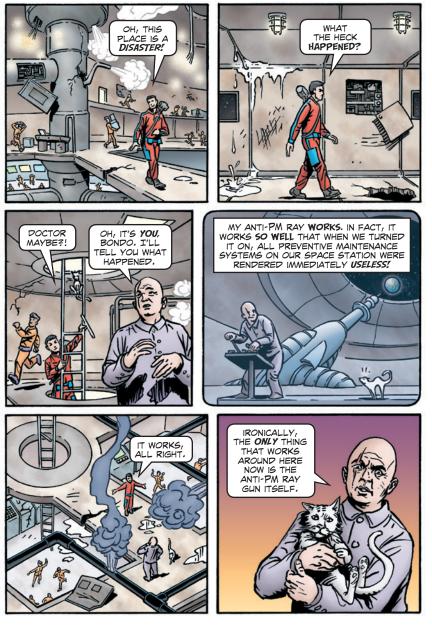


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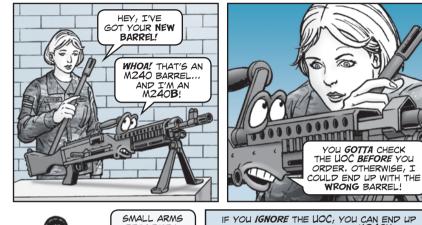






M240 Machine Gun, M16-Series Rifle, M4/M4A1 Carbine...

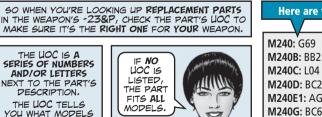
### **UOC Makes All the Difference**



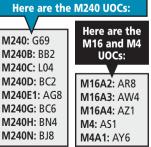








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PS 792

THE LETTERS

AND NUMBERS

REPRESENT.

HURTING MORE THAN HELPING YOUR WEAPON!

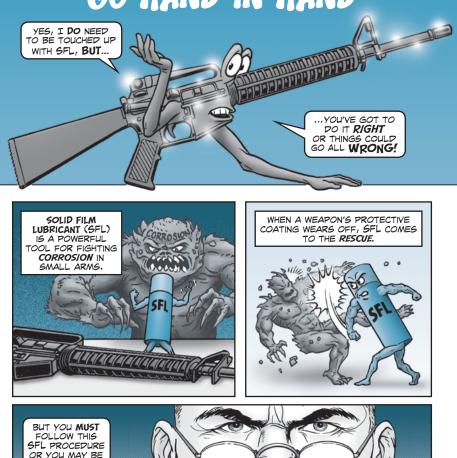
A WEAPON MUST BE

THOROUGHLY DEGREASED AND

INSPECTED FOR CORROSION AND

DAMAGE BEFORE USING SFL.

### DEGREASING AND SFL GO HAND-IN-HAND



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IF THE WEAPON IS

CORRODED OR DAMAGED,

IT MUST BE REPAIRED

BEFORE USING SFL.

A WEAPON SHOULD

ALSO BE THOROUGHLY

DEGREASED EVERY TIME

YOU CHANGE LUBES.

TO DEGREASE, USE MIL-PRF-680 TYPE II DRY CLEANING SOLVENT. NSN 6850-01-474-2317.



### **Check Weapons** Small Arms... GOING and COMING





Editor's note: Yes,

weapons should

be inspected going

and coming. Every

weapon's -23&P TM

lists the PMCS that

new or old.

should be done when a

unit receives a weapon,

#### Dear Editor,

Please emphasize to your readers the critical importance of inspecting weapons before transferring them to other units. And the receiving units also need to do their own inspections before letting weapons out of the arms room.

We've received several weapons that weren't up to 10/20 standards. In one case, a cleaning rod was stuck in the barrel. The weapon would've blown apart if fired!

> WO1 Robert Mitchell ALARNG

M16-Series Rifle, M4/M4A Carbine...

### NEED A FRONT SIGHT TOOL? YOU HAVE CHOICES!

Dear Half-Mast. How do you get the tool to adjust and remove the M16 rifle and M4 carbine's front sight post?

#### Dear Sergeant,

Now you have two choices. In the past your support had to fabricate the tool following the instructions in WP 0030-2 in TM 9-1005-319-23&P. You can still go that route. Or you can order the tool with NSN 1005-01-660-5283 for \$35.

SSG D.R.



#### Dear Editor,

The M2A1 machine gun's TM 9-1005-347-23&P (Jul 11) gives the wrong info on using the breech lock selection tool.

The  $\breve{WP}$  0033 00-4 says to retract the bolt until the barrel extension has separated no more than 1/16 inch from the trunnion block. This lets you use the breech lock selection tool to get the correct breech lock size.

The problem comes when the TM says to slowly release the retracting slide. That's wrong. You'll need to hold the retracting slide handle in place to maintain the 1/16-in separation until the right breech lock selection tool size has been determined.

If you do it the way the TM says, you could get the wrong reading.

SGT Nick Rucker NEARNG

Editor's note: You're absolutely right, Sergeant. This will be corrected in the next revision to the TM.

### M2A1 Machine Gun... MISSING BARREL LOCKING SPRING NSN

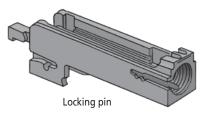
Dear Editor,

The M2A1 machine gun's TM 9-1005-347-23&P doesn't list the NSN for the barrel locking spring or show its picture in the repair parts and special tools list (RPSTL).

Repairmen need to make a note in WP 0016 00-10 that they can order the spring with NSN 1005-00-726-6134. That way they won't have to order the entire barrel extension assembly.

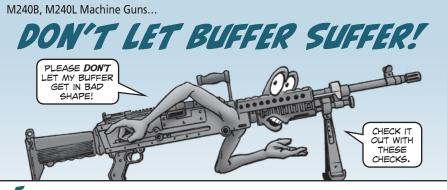
Follow the procedure in WP 0016 00-10 to install the spring into the barrel extension assembly.

> James Wood JBLM, WA

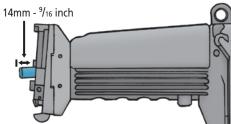


Editor's note: Great tip, James. The M2 and M2A1 -23&Ps are being merged and this mistake will be corrected in the new TM.

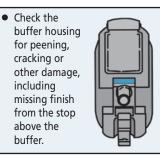
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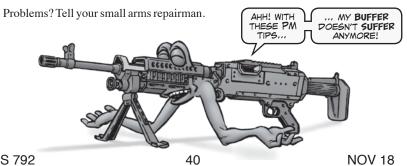
I the buffer on your M240B or M240L machine gun suffers, so will your entire weapon. These checks spot buffer problems early:



• Measure the buffer plunger. It should protrude from the wear indicator lug a minimum of  $^{9}/_{16}$  inch (14mm). If it doesn't, the buffer is loose from the buffer housing. Your weapon is NMC until the buffer is replaced.



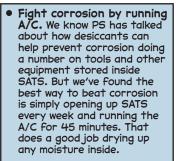
- Check the buffer shaft for bends, mushrooming, peening and cracks on the shaft's face.
- Check the shaft for oil residue. Work the buffer to check for fluid leakage. The buffer shaft should depress smoothly without chatter and return promptly when released.

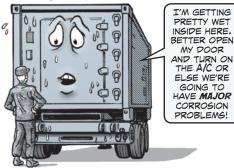




Dear Editor.

We've found these tips keep our Standard Automotive Tool Set (SATS) ready for action:

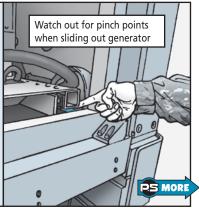




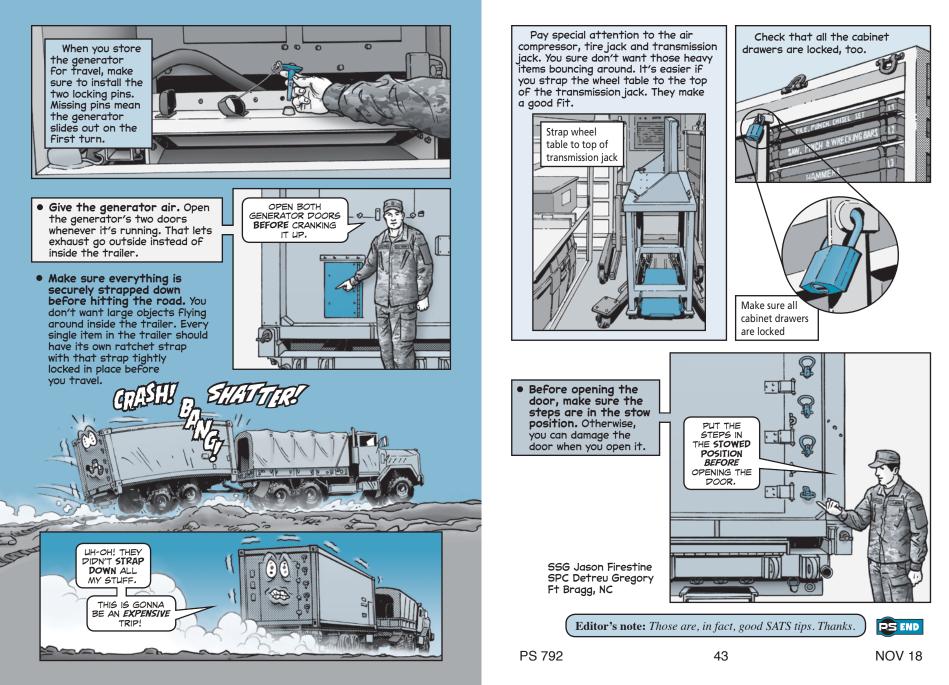
• Use two people to slide out the **generator**. The generator is very heavy. If the stops on the slide rails fail, the generator could slide out right on top of you! That's bad for you and the generator. Wear gloves, too. Your hands need protection from the pinch points between the door frame and the front of the rails.

It's best to have one person pushing from the rear while the other pulls from the front. Do it slowly so the generator has no momentum. Don't depend on the rail stops to stop the generator.

Try to park the SATS on level ground. That makes it easier to slide the generator in and out safely.



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HIMARS, MLRS...

### Connect to **Cable Connector PM**

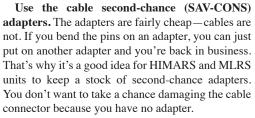


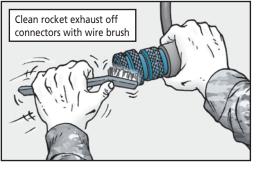
I'M EXHAUSTED FROM ALL THIS **ROCKET EXHAUST!** 

YOU GUYS NEED TO CLEAN OFF THE EXHAUST BEFORE IT DOES A CORROSION NUMBER ON US

HIMARS and M270A1 MLRS rocket exhaust can do a real number on the cable connectors. The exhaust is extremely corrosive. If it's allowed to do its worst, you'll soon get system faults and it becomes harder and harder to connect and disconnect cables.

A little PM after firing can make short work of corrosion. Use a wire brush to rub off any corrosion from the outside of connectors. Then use a soft brush and isopropyl alcohol to clean inside the connectors. Pay special attention to the HIMARS' W519 and W520 and the MLRS' W19 and W420 cables. They usually have the most problems with corrosion.







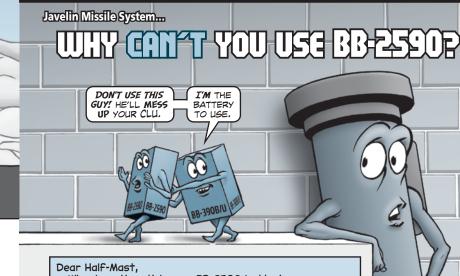
YEAH, AND DON'T

FORGET OUR CABLE

CONNECTORS!

HIMARS units can get more adapters free from the contractor with pseudo NSNs 0000-H0-000-0028 and 0000-H0-000-0029. MLRS units order the adapters with NSN 5935-01-155-9847 and NSN 5935-01-238-5896.

When cables become difficult to take off or you get system faults, first try changing the second-chance adapter. That often fixes the problem.



Why does the sticker on BB-2590 batteries say NOT FOR USE WITH JAVELIN CLU? I've never seen an explanation for that.

SFC J.R.

#### Dear Sergeant,

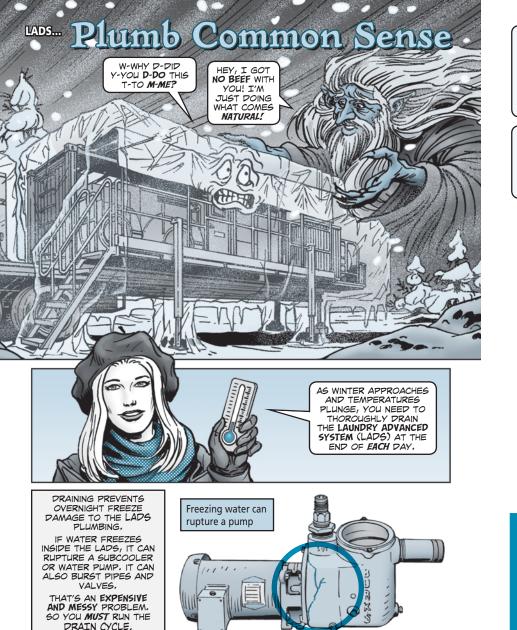
The BB-2590 is not approved for use in the command launch unit (CLU). The higher voltage of the BB-2590 will damage the CLU electronics.

What should you use? Primarily the BB-390B/U, NSN 6140-01-490-4317, since it's rechargeable and will save you money.

For live fires, use the BA-5590, NSN 6135-01-438-9450, for both the M98A1 and M98A2. You can also use the BA-5390, NSN 6135-01-517-6060, for both CLUs. Both NSNs bring a package of four batteries.

It's important not to store these batteries with BB-2590s. All the batteries look basically alike, so it's easy to accidentally grab a 2590 instead of a correct battery.

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FOLLOW THE INSTRUCTIONS IN TM 10-3510-221-10 (JUL 08). WP 0016 TELLS YOU HOW TO DRAIN THE LADS MODEL C. WP 0017 COVERS THE LADS MODEL D.

MAKE SURE TO COMPLETE THE ENTIRE WORK PACKAGE FOR EACH MODEL. USE THESE GUIDELINES ALONG WITH THE TM ...

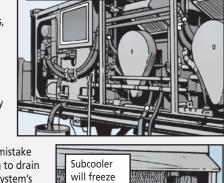


- Flush water from the anti-foam and detergent hand pumps.
- Drain the water tanks. Disconnect the bright green utility hose and open the faucet.

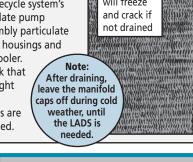
• Even after you run the DRAIN CYCLE, a little water stays in the LADS. Drain leftover water in the water pumps, distillate pump and still by opening their ball valves (drain cocks). Make sure the valves are left open. That way freezing water has room to expand and won't crack pipes and valves. Note: Drain cycle can't be done manually.

Remember to drain hose

• Also drain the 10-ft and 50-ft water supply hoses, the 5-ft and 50-ft drain hoses, the utility hose and the water supply pump.



 A common mistake is forgetting to drain the recycle system's distillate pump assembly particulate filter housings and subcooler. Check that all eight of its valves are opened.



### **IMPORTANT!**

DRAIN THE LADS NOT ONLY BEFORE TEMPERATURES DROP TO FREEZING, BUT ALSO BEFORE YOU TRANSPORT OR STORE IT. HAULING THE LADS WITH FULL WATER TANKS CAN CAUSE THE TANKS TO CRACK STORING THE LADS WITH WATER IN IT ALSO SETS UP A BREEDING GROUND FOR BACTERIA.



PS 792

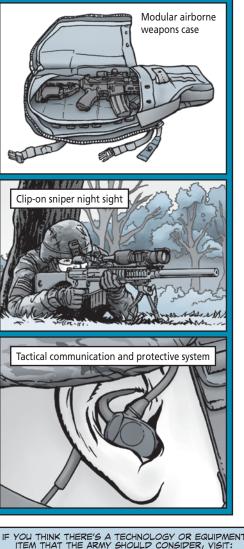
## SEP: By Soldiers, for Soldiers



48

PS 792

### SEP suggestions have led to Army equipment additions



http://www.peosoldie

PRESS 1

BUTTON AN

READY TO TAKE

THE PLUNGE?

**NOV 18** 

SEP HAS BEEN AROUND FOR 28 YEARS, TAKING A "BUY, TRY, AND DECIDE" APPROACH TO RECOMMENDED PRODUCTS.

FOR EXAMPLE, THE MODULAR AIRBORNE WEAPONS CASE, CLIP-ON SNIPER NIGHT SIGHT, AND TACTICAL COMMUNICATION AND PROTECTIVE SYSTEM ALL STARTED AS GEP RECOMMENDATIONS FROM THE FIELD.

COMMERCIAL OFF-THE-SHELF (COTS), GOVERNMENT OFF-THE-SHELF (GOTS), OR NON-PEVELOPMENTAL ITEMS (NDIS) ARE ALL CANDIDATES FOR SEP EVALUATION AND IMPLEMENTATION.

THE RECOMMENDED ITEM OR EQUIPMENT SHOULD DO ONE OR MORE OF THE FOLLOWING:

- Improve ability to execute a combat mission
- Improve the current program of record of COTS/GOTS/ NDI products
- Assist in the refinement and/or generation of requirements. SEP identifies COTS/GOTS/NDIs capabilities. These can be evaluated during low-cost, low-risk evaluations. The data can help developers validate and approve an item.
- Bridge a capability gap
- Improve a combat platform interface.

SINCE PROPUCTS UNDER SEP CONSIDERATION ARE ALREADY COMMERCIALLY AVAILABLE, SAVINGS COME FROM A STREAMLINED ACQUISITION PROCESS AND REDUCED RESEARCH AND DEVELOPMENT COSTS.

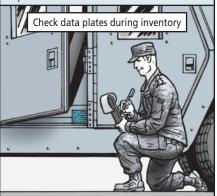
NOW'S YOUR CHANCE TO MAKE A REAL PIFFERENCE NOT ONLY IN UNCLE SAM'S POCKETBOOK, BUT IN YOUR FELLOW SOLPIERS' LIVES.

NOLOGY OR EQUIPMENT	QUESTIONS?		
er.army.mil/sep/	EMAIL: usarmy.belvoir.peo-soldier mbx.peo-soldier-g7-sep@ mail.mil		
THE <u>SUBMIT AN ITEM</u> ID FILL OUT THE FORM.			

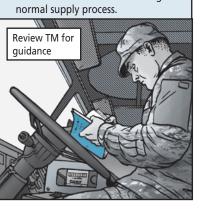
### **DATA PLATES:** BUMP UP READINESS



 During inventory, identify any equipment with missing, illegible or incorrect data plates.



 Check the equipment TM to see if the data plate is a field-level replacement item that can be ordered through the



3. If it's ground equipment and data plates are not addressed in the TM, check with your nearest TACOM LAR, who will contact the equipment program manager to coordinate data plate replacement, if possible. To find your TACOM LAR, see Pages 14-15 in PS 759:

https://www.logsa.army.mil/web2/archive/PS2016/759/759-14-15.pdf

TACOM's Logistics Assistance Directorate is another resource at:

### https://www.tacom.army.mil/ilsc/lad/

4. To request night vision goggle data plates (AN/PVS-14, AN/PVS-7 and AN/AVS-6), email: usarmy.apg.cecom.mbx.lrc-night-vision-support@mail.mil

5. Alternatively, new data plates can often be made at depots at unit cost. For more info, see Letterkenny Army Depot's website at:

http://www.letterkenny.army.mil/UIDworks/howto.html Or email AMC at: usarmy.redstone.usamc.mbx.iuid@mail.mil



#### Dear Half-Mast,

I need to order OE-254 parts for our unit. The antenna mast group is NSN 5985-01-063-1574. I'm trying to find the mast section part that connects to the feed cone. It's the AB-24/GRC antenna element listed as Item 1 of TM 11-5985-357-23P (Jun 88). I've hunted high and low and gone over the TM with a fine-toothed comb, but I can't find an NSN for this part. Any tips?

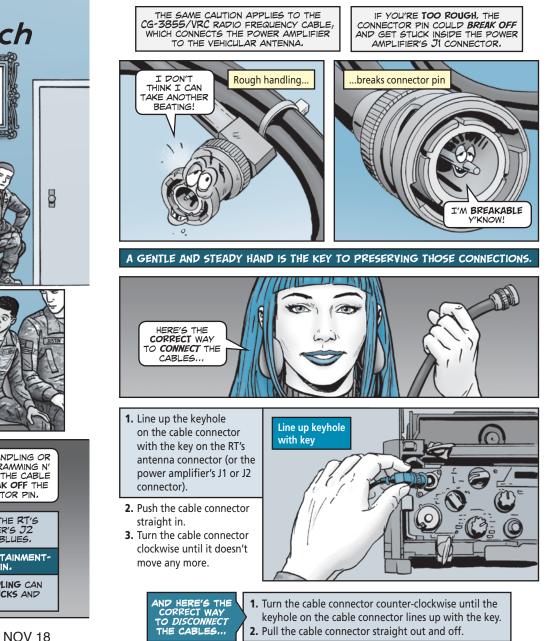
SGT G.J.

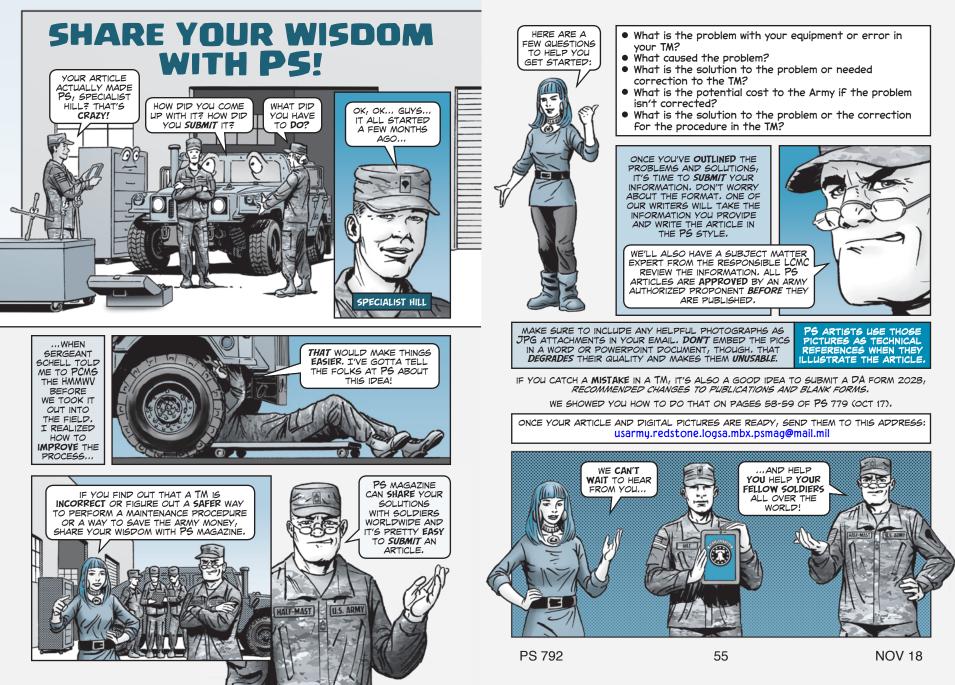
### Dear Sergeant,

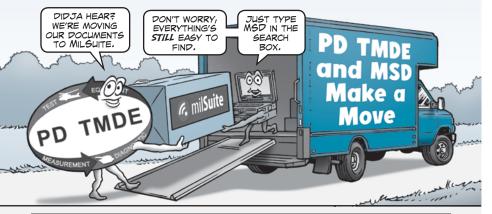
Yup. I'm all about raising pointed antenna tips! Here's a couple: the TM misidentified some parts. The mast section part that connects to the feed cone assembly is the MS-116A antenna element, NSN 5985-00-199-8831. The AB-24/GRC antenna element, NSN 5985-00-240-3720, is the antenna tip mast section part. For reference, see Pages 1-0 and Half

B-2 of TM 11-5985-357-13 (Feb 91). Antennas up!

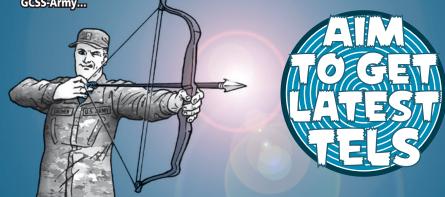


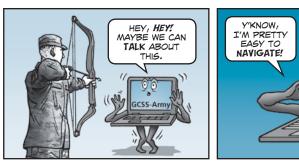










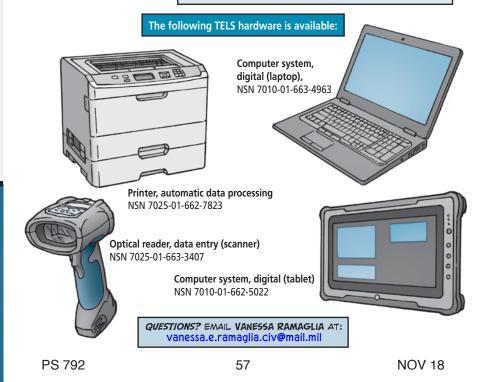


### GCSS-ARMY

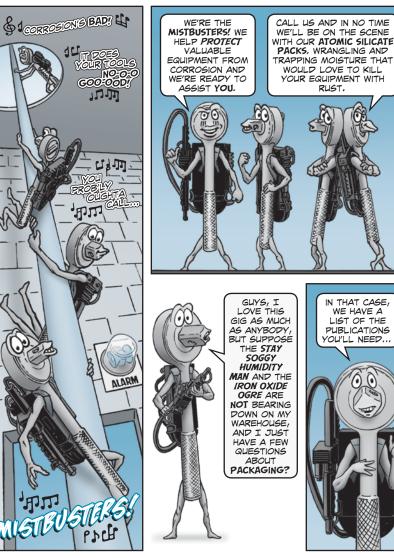
OPERATES ON TACTICAL ENTERPRISE LOGISTICS SYSTEM (TELS) HARDWARE THAT IS WINDOWS 10-COMPLIANT AND MEETS TRUSTED PLATFORM MODULE (TPM) 2.0 REQUIREMENTS. THE TELS HARDWARE COMPONENTS ARE ESTABLISHED IN THE ARMY STANDARD SUPPLY SYSTEM FOR REQUISITIONING, THIS REDUCES OVERALL SUSTAINMENT COSTS, WHILE ALSO SUPPORTING RAPID TECHNOLOGY "REFRESH" REQUIREMENTS.

<del>G</del>CSS-Arm

IT **ALSO** ENHANCES THE UNIT'S CAPABILITIES BY ALLOWING THEM TO REQUISITION TELS COMPONENTS WITH THE STANDARD HARDWARE CONFIGURATION, A FIVE-YEAR WARRANTY WITH A 72-HOUR TURNAROUND, AND THE PRE-LOADING OF THE GCSS-ARMY SOFTWARE.



## CALL THE MISTBUSTERS!



MIL-STD-2073-1, DoD Standard Practice for Military Packaging (Jan 11) Here, you'll find information about the standard processes for developing and documenting military packaging, which is different from commercial packaging. It covers preservation methods to protect materiel against corrosion caused by the environment, physical or mechanical damage and other dangers during storage, handling or shipment.

**SB 746-1**, *Publications for Packaging Army General Supplies* (Apr 79) This document lists publications that relate to packaging and processing Army general supplies, except for maintenance and ammo pubs. It provides guidance on procuring, storing, handling, shipping, issuing, caring and preserving general supplies.

MIL-HDBK-773, Electrostatic Discharge (ESD)-Protective Packaging (Jun 05) Look here for detailed guidance on handling, packaging or storing items that can be damaged by electrostatic discharge.

### TM 38-700, Packaging of Materiel, Preservation (Dec 99)

In this document you'll find instructions for cleaning, drying, preserving, packing, blocking and bracing, cushioning, reinforcing, weatherproofing and marking to prepare materiel for shipment or storage.

TM 38-701, Packaging of Materiel, Packing (Dec 99)

Contains detailed information about the requirements for packing operations, including:

- use of exterior shipping containers; assembling items or packs in the container.
- anchoring, blocking, bracing and cushioning items or packages in containers.
- weatherproofing.
- strapping of containers.
- testing exterior packs palletization and unitization of loads.
- parcel post.

The TM also covers general exterior marking in accordance with MIL-STD-129.

DA PAM 700-32, *Packaging of Army Materiel* (Jan 08) This pub gives uniform Army packaging guidelines.

### MIL-STD-129, Military Marking For Shipment and Storage (Feb 14)

Provides the minimum requirements for uniform military marking and procedures for their application. Use it for the application of military specific markings for items transported and stored within the military distribution system. Markings for commercial packaging are discussed in ASTM D 3951.



#### MIL-STD-147, Palletized Unit Load (May 08)

This standard explains the methods, materials and techniques used in the formation of bonded palletized unit loads of military supplies on 40 x 48-in pallets. These instructions can be modified for use with different sized pallets.







### NO COMMERCIAL REFRIGERANTS

On Page 51 of *PS* 787 in Step #5 under "Unit Instructions," the article stated that local purchase is authorized through LARs. That's *wrong*. Commercial purchase of all refrigerants is prohibited. They must be sole-sourced through DLA.

### **HEMTT A4, PLS A1 Distribution Manifold NSNs**

Need a new distribution manifold for your HEMTT A4 or PLS A1 vehicle? Look no further. Each of the distribution manifolds below also come with installed solenoids:

Vehicle	ltem	Fig	ТМ	υος	NSN 4730-
PLS A1	1	768	9-2320-319-13&P	741, 751	01-670-7782
HEMTT A4 CBT	1	423	9-2320-326-13&P	L13	01-669-8492
HEMTT A4 (M977A4, M983A4, M985A4, M984A4 GMT)	1	423	9-2320-326-13&P	LH2, LH5, LH9, L10	01-667-3000
HEMTT A4 (M978A4, M983A4 LET, M984A4, M1120A4 LHS)	1	423	9-2320-326-13&P	LH4, LH7, L11, L14	01-564-7505

### HEMTT Fuel Tank Repair Kits Get Makeover

The field repair kit for the HEMTT fuel tank sealant system, NSN 2540-01-577-2372, has changed. That kit contained a sealant with a shelf life that, when expired, required disposal of the entire kit. To avoid this waste, the kit now comes in two parts. Order the repair tools from the old kit with NSN 4940-01-661-4758. Order the sealant with NSN 8030-01-661-4763.

### LTAS Cab Lift Cylinder NSN

Order a new front cab lift cylinder assembly for your M1078A1P2 LTAS with NSN 3040-01-665-1836 (PN 12505544-001). The old NSN 3040-01-567-2729 no longer appears on FED LOG, and the old part number crosses to a terminal NSN.

### Now Showing: ESAPI Test Videos

Like any equipment, body armor needs to be inspected before use. For step-by-step videos showing the right way to do tap and torque tests on your enhanced small arms protective inserts (ESAPI), visit: https://www.dvidshub.net/video/473427/peo-soldier-armored-plate-tap-test-training

# Would You Stake Your Life <sup>night now</sup> on the Condition of Your Equipment?

PS 792

### THE **BEST** SOLDIERS SOAK UP MAINTENANCE INFO LIKE A **SPONGE...**



### ... THEN *SHARE* WHAT THEY'VE LEARNED!

