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TB 43-PS-787, The Preventive Maintenance Monthly, is an official publication of the Department of the Army, providing information for all Soldiers assigned to combat and combat support units and all Soldiers with unit maintenance and supply duties. All information published has been reviewed and approved by the agency responsible for the equipment, publication or policy discussed. Application of the information is optional with the user. Masculine pronouns may refer to both genders. The use of product or company names does not constitute endorsement of those products, services or companies by the U.S. Army. The use of non-DoD hyperlinks, along with their content, does not constitute endorsement by DoD or DA. Neither DoD nor DA exercises any editorial control over, and cannot vouch for, content on non-DoD websites.

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Internet address:

https://www.logsa.army.mil/psmag/pshome.cfm

By order of the Secretary of the Army:

SMALL ARMS

Small Arms PM Tips

35

36-38

MARK A. MILLEY

General, United States Army Chief of Staff

Official:

GFRALD B. O'KFFFF

Administrative Assistant to the Secretary of the Army

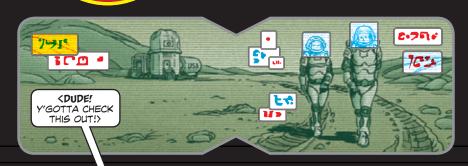
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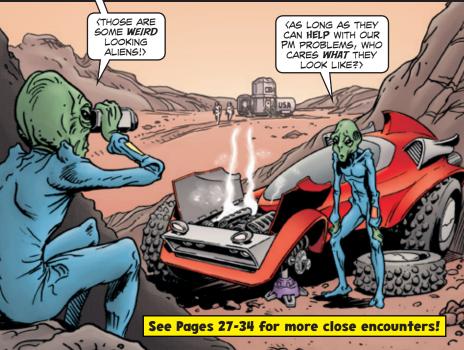


THE PREVENTIVE MAINTENANCE MONTHLY

TB 43-PS-787

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MARK A. MILLEY

General, United States Army Chief of Staff

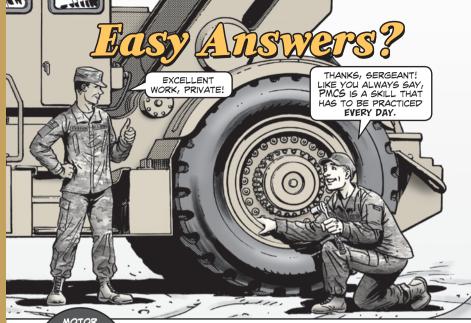
Official

27-34 Connie's Post Scripts

GERALD B. O'KEEFE

Administrative Assistant to the Secretary of the Army

1808651



MOTOR SERGEANTS, YOU CAN DO THE OPERATORS IN YOUR UNIT A BIG FAVOR.

TRY CASUALLY WALKING AROUND THE MOTOR POOL WHILE ASKING QUESTIONS LIKE, WHAT'S THE VERY FIRST CHECK IN THE PMCS CHART OF YOUR VEHICLE'S -10 TM?"

OR HOW ABOUT, "DO YOU HAVE THE LATEST COPY OF THE TM?"



THOSE SEEM LIKE SIMPLE QUESTIONS, BUT YOU MIGHT BE SURPRISED AT SOME OF THE ANSWERS YOU GET.





PS 787 **JUN 18**

COMBAT VEHICLES

- LRU Serviceable? Don't Turn It In! Stryker Suggestions for Success
 Who Services the M242?
 Keep Safe During Fire Missions!
 Don't Neglect Battery PM!

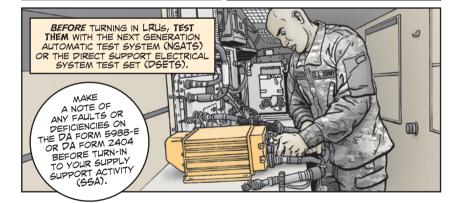




SOME UNITS ARE TURNING IN LINE REPLACEABLE UNITS (LRUS) AS UNSERVICEABLE WHEN THE LRUS ARE ACTUALLY IN WORKING CONDITION.

DON'T DO THAT!

TURNING IN SERVICEABLE LRUS DRIVES UP COSTS AND MAKES UNITS SPEND MONEY UNNECESSARILY. NOT TO MENTION THAT UNIT READINESS IS HURT AWAITING REPLACEMENT FOR A PERFECTLY GOOD LRU.

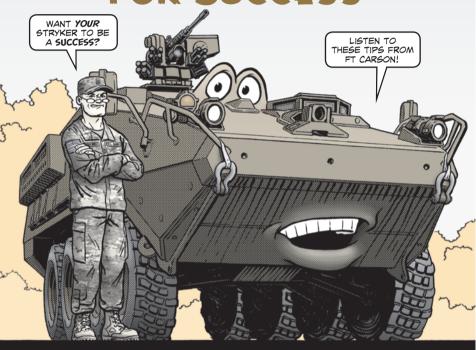


FOR THE FULL SCOOP ON TURNING IN LRUS, CHECK OUT TACOM MAINTENANCE INFORMATION MESSAGE (MIM) 18-002 AT: QUESTIONS? CONTACT YOUR LOCAL TACOM LOGISTICS ASSISTANCE REPRESENTATIVE (LAR).

https://tulsa.tacom.armu.mil/Maintenance/message.cfm?id=MI18-002.html

PS 787 **JUN 18**

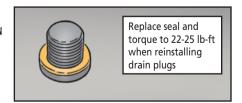
STRYKER SUGGESTIONS FOR SUCCESS



Dear Editor, Follow these suggestions for Stryker success:

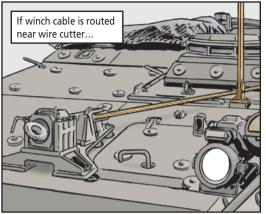
Don't reuse the copper seals for the wheel hubs.

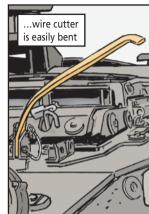
Every time you drain and refill the hubs, install a **new seal**, NSN 5330-12-156-4524. Otherwise, the seal will probably leak and the hub could run low on fluid. Next thing you know, the hubs are damaged.



Route the winch cable behind the wire cutter.

If the cable is in front of the cutter with the cutter upright, both the cable and cutter will wear against each other and one of them will fail. The cable needs to be behind the cutter with the cutter in the down position.



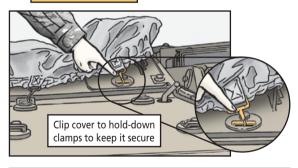


Cover and drain.

If you don't cover the Stryker in rainy areas, water runs down in the exhausts for both the engine and cooling module. Water collects in the hull and eventually causes electrical and corrosion problems. Clip the cover to the hold-down clamps to keep it secure.

Even if you do keep your Stryker covered, it's still a good idea to open all drain plugs monthly and let any water in the hull drain out. Make sure you use drip pans and dispose of the water according to your unit's SOP.

SGT Paul White Ft Carson, CO

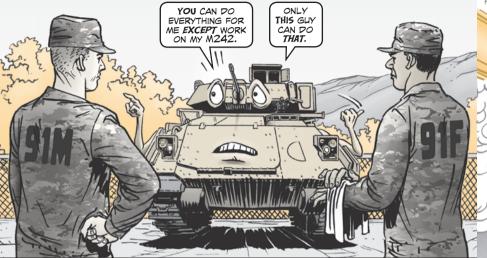




 $\textbf{Editor's note:} \ \textit{Excellent steps to Stryker success}, \textit{Sergeant. Thanks}.$

JUN 18

M2/M3-Series Bradleys... Who Services the M242?



THAT'S WHY YOU GOTTA PROTECT
YOURSELF!

Dear Half-Mast, Can the 91M turret and system mechanic work on the Bradley's M242 gun? Mr. A.R.

Mr. A.K

THE 91Ms
MAINTAIN THE
BRADLEY
TURRET, NOT
THE WEAPON
ITSELF.

THEIR JOB IS TO
PIAGNOSE AND TROUBLESHOOT PROBLEMS AND
DO MAINTENANCE ON THE
TURRET AND FIRE CONTROL
SYSTEM.

THE SHORT

ANSWER, SIR, IS NO. THE 91F

SMALL ARMS

REPAIRMAN IS

THE ONLY MOS

TRAINED TO WORK

ON THE M242.

THE M242'S TM 9-1005-200-23&P HAS NOT YET BEEN UPPATED TO REFLECT THE NEW TWO-LEVEL MAINTENANCE FORMAT, BUT IT SOON WILL BE. IN THE MEANTIME, BRAPLEY UNITS SHOULD NOTE IN THE -23&P THAT THE 9IF SHOULD DO ALL ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE ON THE M242.

IT'S IMPORTANT TO NOTE THAT CREW MEMBERS, REGARD-LESS OF MOS, WHO GRADUATED FROM FT BENNING'S MASTER GUNNER SCHOOL AND ACQUIRED THE ADDITIONAL M242 SKILL IDENTIFIERS (ASI) OF THE COURSE ARE AUTHORIZED TO DO SOME MAINTENANCE TASKS AND SERVICES (-10 AND -20 LEVEL) ON THE M242.

MASTER GUNNERS CAN'T. HOWEVER, DO -30-LEVEL TASKS, SUCH AS WORKING ON THE FEEDER PRIVE OR WORM SHAFT ACCEMBLIES Crewmen, your M119A2/A3 towed howitzer makes a lot of noise and blast overpressure when it fires. That's why you have to protect yourself during fire missions.

Crews are required to keep track of the number of rounds that they fire in a 24-hour period using blast overpressure protection (BOP) points. The points are based on the

lanyard used and the crew's position during firing. That keeps you from being exposed to too much noise and pressure from blasts that could leave you with hearing loss or injuries to your lungs and sinuses.

YOU SHOULD KNOW
THAT THE BOP GUIDANCE
SHOWN IN TM 9-1015-25210 (SEP 10) REGARDING
THE ALLOWED NUMBER
OF ROUNDS (ANOR)
A CREW CAN FIRE IN A
24-HOUR PERIOD IS
OUTDATED.

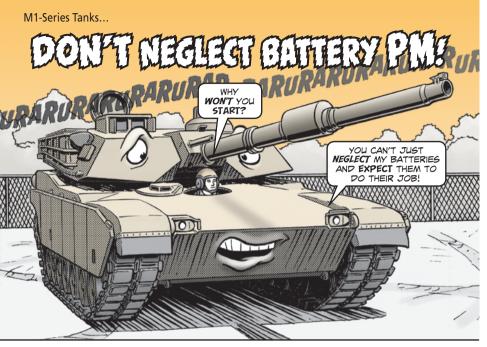
HOWEVER, THE
BOP GUIDANCE IN
TM 9-1015-26010 (NOV 17) I6
CORRECT. THE BOP
GUIDANCE IN THE
PREVIOUS EPITION
OF THE 260-10 IS
OUTDATED.

ek out attachment 1 in TACOM safety of on the TACOM-Unique Logistics Support

For the latest ANOR information, check out attachment 1 in TACOM safety of use message 17-011. Access the message on the TACOM-Unique Logistics Support Applications (TULSA) website at:

https://tulsa.tacom.army.mil/Safety/message.cfm?id=SOU17-011.html

PS 787 6 JUN 18 PS 787 7 JUN 18



Dear Editor,

Some crewmen overlook the batteries when doing preventive maintenance on their M1-series tanks. That leads to corrosion and corrosion leads to a tank that won't start!

Make sure you clean the battery, battery cables, battery box and hold-down supports. Sure, that takes a little time and effort. But it's time and effort well spent.

Battery Clamps and Terminals

Use a battery terminal cleaner, NSN 5120-01-615-6464, to scrape away heavy corrosion from the battery clamps and terminals. Then clean with a solution of 1/2-pound of baking soda to one gallon of water. Get one pound of baking soda with NSN 6810-00-264-6618 or 100 pounds with NSN 6810-00-290-5574.

Use the **battery terminal brush,** NSN 5120-00-926-5175, for the best results.

After cleaning, inspect and replace any clamps that will no longer fit the battery posts or whose ends touch when the clamp nut is tightened.

s before cleaning

Remove all batteries before cleaning

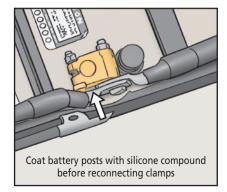
Battery Tray

Wash the battery tray with the baking soda solution. Rinse thoroughly and allow it to dry. Apply a 1/32- to 1/8-in thick coating of epoxy, NSN 8010-01-313-8702, or bituminous coating, NSN 8030-00-290-5141, to the box.

Wash dirty, corroded battery box with baking soda solution

Reinstall the batteries after everything's dry. Before you reconnect the battery clamps, put a light coat of silicone compound on the tops and sides of each battery post. This special compound runs down around the battery post and terminal to completely seal out moisture.

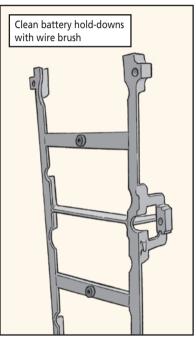
Get a **3-oz tube** with NSN 8040-01-331-7133 or a **1-pt can** with NSN 8040-01-331-7134.



Battery Hold-downs

Clean as much corrosion, cracked paint and dirt as you can from the battery hold-downs with a wire brush, NSN 7290-00-291-5815. Then soak the hold-downs in the baking soda solution.

Give the hold-downs a good rinsing. After they've dried, apply epoxy coating to each of the hold-downs. You can also use bituminous coating if the epoxy isn't available.

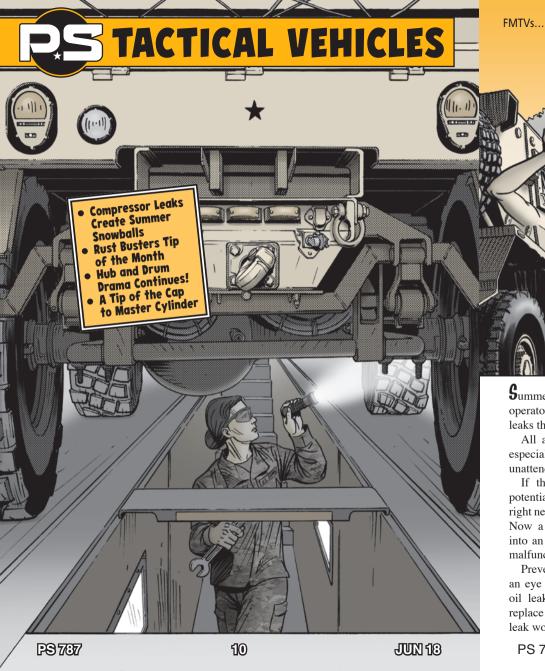


Doing all this will keep your tank's batteries ready to go and increase your unit's combat readiness.

CW3 Robert Bynum Ft Stewart, GA

Editor's note: Crewmen should clean up with these tips. Thanks, Chief!

PS 787 8 JUN 18



COMPRESSOR LEAKS CREATE

BUMMER SNOWBALLS

COMPRESSOR LEAK IS SNOWBALLING OUTTA

CONTROL

SNOWBALLS IN SUMMER?

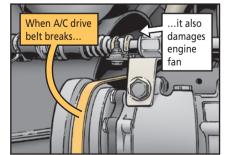
Y'GOTTA BE

5 ummer heat means vehicle A/C gets a lot of use. In A/C-equipped FMTVs, this means operators and maintainers must pay special attention to the A/C air compressor for oil leaks that may snowball into bigger problems.

All air compressors run the risk of oil leaks. But in A/C-equipped FMTVs, it's especially risky because the oil leak usually signals a worsening problem. If left unattended, the leak can cause the A/C drive belt to seize and break.

If this happens, the drive belt can potentially fly into the engine fan (located right next to it) and cause serious damage. Now a simple oil leak has snowballed into an expensive and dangerous engine malfunction!

Prevent the snowball effect by keeping an eye on the A/C compressor. Identify oil leaks early. If they can't be fixed, replace the A/C compressor before the leak worsens and threatens the drive belt.



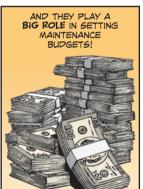
PS 787 11 JUN 18

Corrosion...

RUST BUSTERS TIP OF HE MONTH









YOU INSPECT REGULARLY AND FIND CORROSION EARLY ENOUGH TO STOP IT.

GOOD WORK!

YOU'RE NOT DONE

YOUR CORROSION REPORTS CLOSE THE LOOP BY HELPING ENGINEERS PESIGN-BETTER CORROSION-RESISTANT SYSTEMS.

PROPER REPORTING ALSO PLAYS A BIG ROLE IN FUTURE MAINTENANCE BUDGETS,

TO REPORT CORROSION:

USE DA FORM 2404, EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET. THE ONLINE VERSION IS

THE ONLINE VEKSION IS
DA FORM 5988-E,
AVAILABLE IN THE
GLOBAL COMBAT SUPPORT
SYSTEM-ARMY (GCSS-A).

FOLLOW REPORTING INSTRUCTIONS IN DA PAM 750-8, THE ARMY MAINTENANCE MANAGEMENT SYSTEMS (TAMMS) USER MANUAL (AUG 05), USING ONE OR MORE OF THE PESCRIPTIONS BELOW TO IDENTIFY CORROSION AND COATING ISSUES IN THE DEFICIENCIES AND SHORTCOMINGS SECTION OF THE 5988-E.













STATUS SECTION

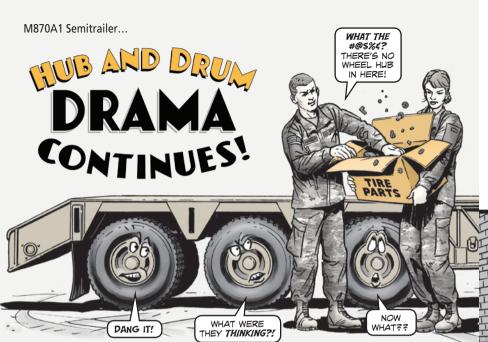
IN THE STATUS SECTION OF EITHER DA FORM, CHOOSE THE PIAGONAL BACKSLASH SYMBOL (/) TO INDICATE AN ISSUE FIXED AT THE FIELD LEVEL. POCUMENT THE FIX IN THE CORRECTIVE ACTION SECTION. FOR EXAMPLE, A TYPICAL ENTRY WOULD READ, "REPAIRED WITH SPOT PAINT."

ONLINE REPORTING

IF USING THE ONLINE DA FORM 5988-E IN GCSS-A, USE GCSS-A CAUSE CODE "170-CORRODED/RLISTED." YOUR EQUIPMENT REPAIR PART OR LOGISTICS AUTOMATION SPECIALISTS SHOULD HAVE ACCESS. THEY CAN TRANSCRIBE DATA

FROM HARD COPIES INTO GCSS-A, SO ALL DIGITAL REPORTS ARE SEARCHABLE/ RETRIEVABLE.

PS 787 12 JUN 18



Now What?



IF YOUR UNIT HAS ANY OF THESE CONVERSION KITS THAT ARE MISSING THE HUB, SEND A PQDR SAYING YOU'RE REPORTING DUE TO AN ALERT NOTIFICATION.

USE REPORT CONTROL NUMBER
W90DY4170002 AND FILE THE PQDR
THROUGH THE PRODUCT DATA REPORTING
AND EVALUATION PROGRAM (PDREP):

https://www.pdrep.csd.disa.mil

IN THE MEANTIME, **DO NOT** TRASH THE KITS. YOU'LL NEED TO HOLD ONTO THOSE UNTIL YOUR UNIT IS GIVEN DISPOSITION INSTRUCTIONS FROM THE PQDR.

A WHILE BACK, A NEW SINGLE-PIECE WHEEL CAME OUT AS A REPLACEMENT FOR THE OLD SPLIT-RING RIM ON MS 70A1 SEMI-TRAILERS, IT WAS EXCITING NEWS (IN THE WHEEL WORLD, AT LEAST).

BUT THE EXCITEMENT DIDN'T LAST LONG.

UNITS STARTED REPORTING PARTS MISSING FROM THE HUB AND DRUM CONVERSION KITS THAT WERE REQUIRED TO MOUNT THE NEW SINGLE-PIECE WHEELS.

THESE HUB AND DRUM CONVERSION KITS, NSN 2530-01-643-7190, WERE MISSING THE WHOLE HUB ASSEMBLY!

Drama Unfolds



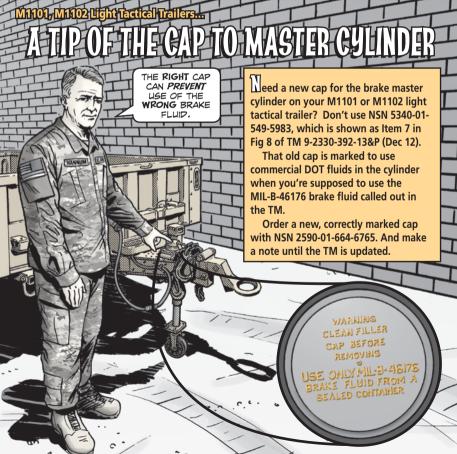
DLA LAUNCHED
AN INVESTIGATION,
AND THE STORY
TOOK A
DRAMATIC TURN.

DLA FOUND THAT
THE CONTRACTOR
TRIED TO PIECE
TOGETHER THE
HUB ASSEMBLY
INSTEAD OF
PURCHASING IT AS
REQUIRED FROM

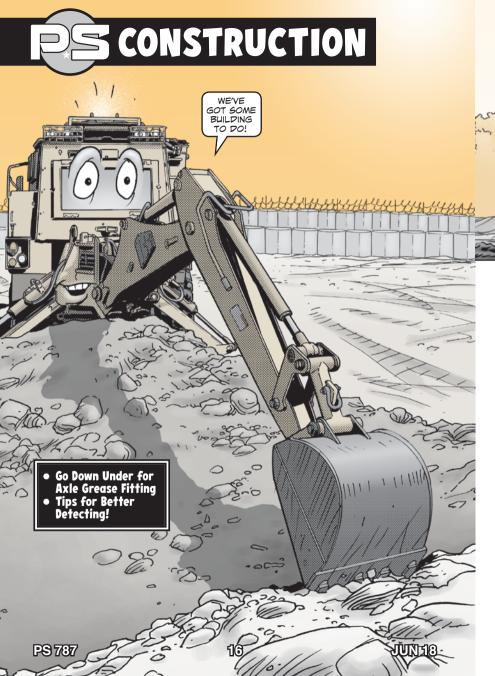
THE SOURCE.

BUT THE CONTRACTOR COULDN'T PROVIDE THE ACTUAL HUBS, WHICH MAPE THE CONVERSION KITS USELESS. WITHOUT THE CONVERSION KIT, THE M87OAI CAN'T BE MOUNTED WITH THE NEW SINGLE-PIECE WHEELS THAT ARE MEANT TO REPLACE THE SPLIT RIMS.

NEW KITS THAT INCLUDE THE HUB SHOULD NOW BE AVAILABLE.



PS 787 14 JUN 18





OPERATORS, ONE OF THE GREASE FITTINGS ON THE HMEE-1 EXCAVATOR GETS OVERLOOKED A LOT. IT'S THE AXLE SWIVEL FITTING UNDER THE VEHICLE. YOU'LL FIND ONE NEXT TO EACH OF THE WHEEL ASSEMBLIES' BRAKE CALIPER AND DISC.

THE PMCS TABLES CALL THIS AN AXLE SWIVEL FITTING, WHILE THE PARTS MANUAL LISTS IT AS A TRUNNION FITTING. EITHER WAY, THE FITTING NEEDS TO BE LUBED WEEKLY.

AND THAT MEANS YOU HAVE TO CRAWL UNDER THE VEHICLE WITH A GREASE GUN TO DO THE JOB.



THE RECESSED AREA WHERE THE FITTING IS MOUNTED GETS CLOGGED UP WITH MUD AND DIRT, SO THE FITTING IS EASY TO MISS. PRY OUT ANY CRUD AND WIPE THE FITTING WITH A CLEAN RAG, THEN GIVE IT FOUR TO FIVE SHOTS OF GREASE.



WHEN YOU'RE FINISHED, MAKE SURE TO PUT THE RED PLASTIC CAP BACK ON THE FITTING TO KEEP OUT DIRT.

IF IT'S MISSING, ORDER A PACKAGE OF 10 NEW CAPS WITH NSN 4730-99-142-5123.



Clean recessed area and give fitting four to five shots of grease

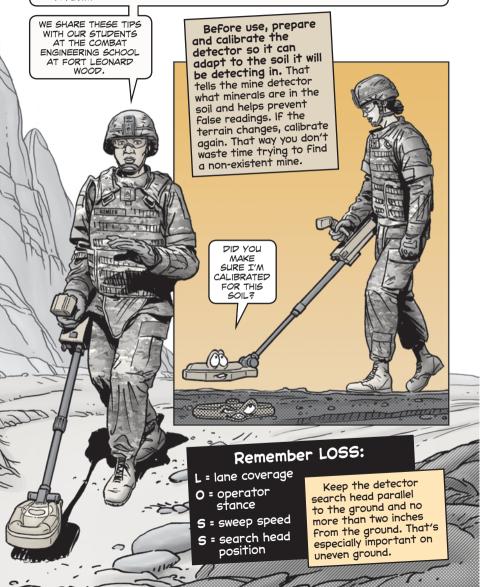
fitting when finished

DON'T FORGET THE AXLE SWIVEL FITTINGS UP TOP NEED THE SAME TREATMENT.

PS 787 17 JUN 18

HELLO, I'M STAFF SERGEANT MARVIN HAMLER AND HERE ARE A FEW...

TIPS FOR BETTER DETECTING!



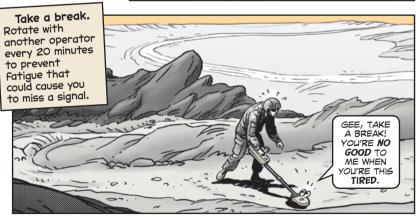
If the head is at an angle, it can give false ground penetrating radar (GPR) readings. That could cause you to miss a mine. Try to sweep one meter per second across a 1-meter lane. If you sweep wider or faster, you'll have less control and more fatigue.

Keep head parallel to ground and no more than 2 inches from ground

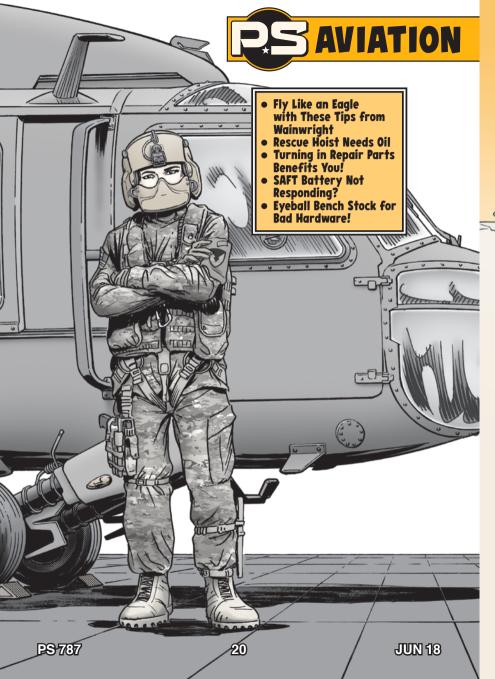
Beware of RF.

Beware of the Be





Editor's note: A gold mine of mine detector tips! Thanks, Sergeant.





Dear Editor,

Through our experience keeping Gray Eagle UAVs flying at Ft Wainwright, we offer these tips:

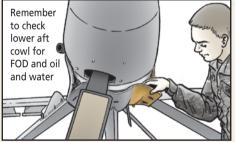
When checking for FOD, look in the lower aft cowl. Debris tends to collect by the mounting bolts. Also be on the lookout for water and oil in the cowl. They can affect the material that makes up the Gray Eagle's body. The lubes and coolant glow under black light, making them easier to spot.

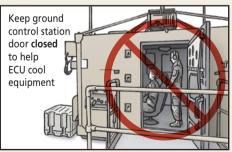
Keep the door to the ground control station closed. Otherwise, the ECU has trouble cooling the equipment. Then it overheats and shuts down. The door also blocks out RF interference and keeps the enemy from spotting the lights inside.

Easy does it with the ground

Easy does it with the ground control station headsets. Rough handling damages their padding and microphones. If you're not using the microphones, hang them gently on their hooks inside the station. Never toss them. It costs \$2,000 to replace them.

SGT Nicholas Parade SGT Joseph Klomp Ft Wainwright, AK





Editor's note: Thanks for helping Gray Eagles fly even higher.

PS 787 21 JUN 18



Mechanics, quite a few Black Hawk external rescue hoist motors are burning up.

Hoists turned in to supply were torn down and analyzed. Many did not have sufficient oil. A hoist motor has no oil, but there must be enough oil in the drum assembly to prevent additional friction that can cause premature motor failure.

You're required to check the oil level every six months. And make sure you keep up with pre-flight inspections of the hoist to include visual checks of the end covers for oil leaks, like it says in WP 1222 00 of TM 1520-280-23&P. An empty reservoir will hold 17 ounces of oil.

Since adding oil takes time, you'll need a little patience when doing the job. Filling too fast can cause a vacuum that requires some settling time before more oil can be added.

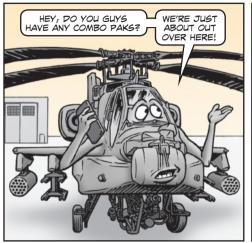
ALWAYS
PRE-FLIGHT YOUR
AIRCRAFT'S HOIST
AND MAKE SURE
YOU WISUALLY
CHECK THE END
COVERS FOR OIL
LEAKS.

EVERY SIX
MONTHS, CHECK
THE OIL LEVEL.
BURNT-OUT HOIST
MOTORS ARE
AVOIDABLE.



AH-64 Aircraft...

TURNING IN REPAIR PARTS BENEFITS YOU!





MECHANICS, GETTING PARTS FROM THE SUPPLY SYSTEM WILL ONLY WORK IF YOU TURN IN UNSERVICEABLES YOU HAVE LAYING AROUND THE SHOP AREA.

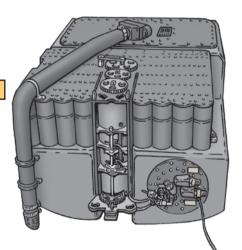
Turn in all unserviceable IAFS for repair

60 GET ON BOARD THE RETURN TRAIN AND TURN IN UNSERVICEABLE INTERNAL AUXILIARY FUEL SYSTEM (IAFS) COMBO PAKS, NSN 1660-01-519-4248

(PN HM025-600-11).

THE COMBO PAKS ARE A KEY
SOURCE OF SUPPLY FOR REPAIR
PROGRAMS. THOSE PROGRAMS
RELY ON RETROGRADES SO
REPAIRED PARTS CAN RESTOCK
THE SUPPLY SYSTEM.

IF YOU HAVE IAFS COMBO PAKS THAT NEED REPAIR, SEND THEM TO: Corpus Christi Army Depot Plant 7015/RIC B52 Corpus Christi, TX 78419



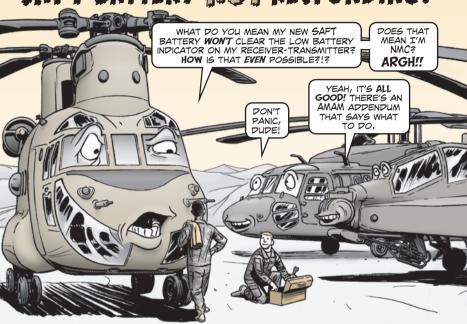
GOT QUESTIONS?

CONTACT AMCOM'S MICHAEL SHARP AT PSN 897-4276, (256) 313-4276 OR EMAIL: michael.b.sharp1.civ@mail.mil

PS 787 23 JUN 18

AN/APX-123/123A Receiver-Transmitter...

SAFT BATTERY NOT RESPONDING?





OPERATORS, IF YOUR
AIRCRAFT HAS THE
AN/APX-123/123A
RECEIVER-TRANSMITTER,
NSNS 5895-01-539-9151
OR 5895-01-628-5190,
AND THE NEWLY REPLACED
SAFT* BATTERY,
NSN 6135-01-529-0122,
(PN A3308909-2),

(PN A3308909-2),
WON'T CLEAR THE
LOW BATTERY INDICATOR,

DON'T FRET!

GEN-16-AMAM-04
IS THE PLACE
TO GO.

IT PROVIDES
ADDITIONAL
INSTRUCTIONS
THAT APPRESS
THE LOW BATTERY
INDICATOR
PROBLEM.

ADDENDUM 1 TO AVIATION MAINTENANCE ACTION MESSAGE

(AMAM)

*SAFT batteries are identified by a black label with white lettering



JUN 18

YOU NEED TO CHECK OUT THE NOTES AND STEPS 11-13 ON PAGES 2 AND 3. AFTER INSTALLING THE BATTERY:

11. Re-install the cover with the four captive screws.

NOTE: The red LOW BTRY LED will stay lit after replacing the battery cover. To clear the indicator, briefly press the ZEROIZE button.

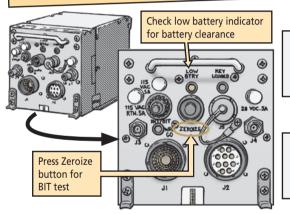
NOTE: Briefly pressing the ZEROIZE button initiates a built in test (BIT) similar to the Power-Up BIT (PUBIT). It also zeroizes the crypto keys, if loaded.

12. Clear the red LOW BTRY light by briefly pressing the ZEROIZE button on the front panel. It may be necessary to press the ZEROIZE button several times at one minute intervals between each cycle to burn off passivation from a stored battery. If you're not successful after four cycles, replace the battery assembly again by repeating steps 6-13.

NOTE: If the LOW BTRY light doesn't go out, the battery may not be installed correctly or the battery voltage may be below the low battery light threshold.

13. Make sure the LOW BTRY light goes out after completion of the BIT.

NOTE: Aircraft with the AN/APX-123A must wait 30 seconds after briefly pressing the ZEROIZE button to ensure the LOW BTRY light remains off.



DOWNLOAD GEN-16-AMAM-04 AT:

https://asmprd.redstone. army.mil/FileHandler. ashx? file=UFI_064f9a4a-Offe-4 dde-b615-be1138e396fb

FOR A COPY OF THE ADDENDUM, GO TO:

https://asmprd.redstone. army.mil/FileHandler. ashx?file=UFI_bb87e852e835-4e55b74b-4ff0b6605e79

YOU SHOULD NEVER ATTEMPT TO CHECK THE YOUTAGE OF THE BATTERY BECAUSE THE FUSE IS SENSITIVE AND MAY BLOW. THE TRANSPONDER CAN TEST THE BATTERY VOLTAGE DURING THE ABBREVIATED PUBIT. JUST BRIEFLY PRESS THE ZEROIZE BUTTON. IT WILL INDICATE THE RESULT USING THE LOW BTRY LIGHT.

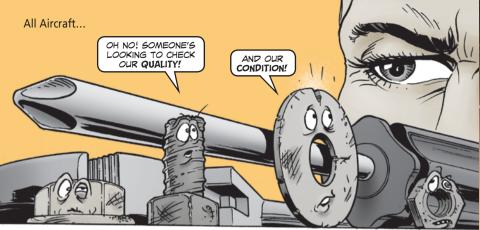
IF YOUR BATTERY WON'T CLEAR THE LOW BTRY INDICATOR, EVEN AFTER FOLLOWING THIS PROCEDURE, SUBMIT A PRODUCT QUALITY DEFICIENCY REPORT (PQDR) TO: https://www.pdrep.csd.disa.mil

IF YOU DON'T HAVE A
PDREP USER ID, SUBMIT
THE PQDR THROUGH THE
EZ PDR LOGIN TAB.

TO GET A USER ID, SUBMIT A SYSTEMS ACCESS REQUEST (SAR) TO: https://www.pdrep.csd.disa.mil/
> pdrep_files/accessforms/
 useraccess.htm

NEED HELP WITH THE CECOM PQDR PROCESS? CONTACT THE CECOM PQDR TEAM AT:

usarmu.apg.cecom.mbx.irc-leo-b16-pqdr-support-team@mail.mil



EYEBALL BENCH STOCK FOR **BAD HARDWARE!**

MECHANICS, AVIATION MAINTENANCE OFTEN INVOLVES THE USE OF COMMON HARDWARE SUCH AS NUTS, BOLTS AND WASHERS. BUT WHEN YOU USE BENCH STOCK, IT'S A GOOD IDEA TO INSPECT ITS QUALITY AND CONDITION.

BUYING HARDWARE IN BULK FOR BENCH STOCK IS A COMMON PRACTICE. SOMETIMES WE JUST ASSUME EVERYTHING IS OK.

BUT THERE HAVE BEEN INSTANCES WHERE COMMON HARDWARE HASN'T MET MILITARY SPECIFICATIONS.

MAKE
A PRACTICE
OF INSPECTING
COMMON
HARDWARE IN
YOUR BENCH
STOCK,

PROBLEMS
WITH AN
ITEM...

YOUR BENCH STOCK.
ALL THE MAINTENANCE INFORMATION YOU CAN FROM THE PACKAGING, INCLUDING CONTRACT PURCHASING INFORMATION AND VENDOR CAGE.

See the difference between a good and bad nut GOOD NUT BAD NUT

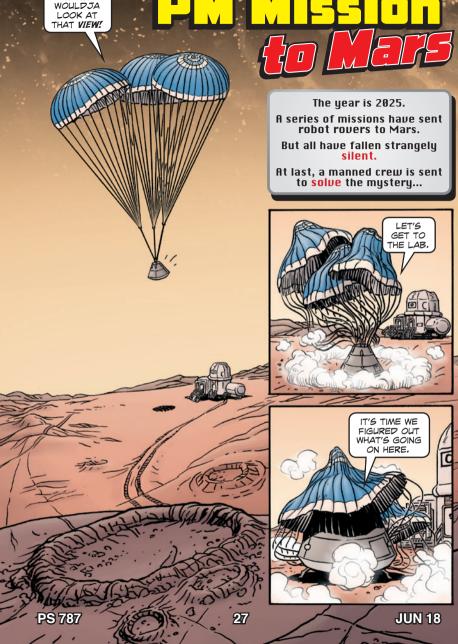
OD OT



Only use bench stock that meets specifications

USE THAT INFORMATION TO COMPLETE A SUPPLY DISCREPANCY REPORT (SDR) OR QUALITY DEFICIENCY REPORT (QDR).

THAT HELPS IDENTIFY VENDORS WHO AREN'T PRODUCING HARDWARE TO STANDARD AND COULD PREVENT AN AIRCRAFT INCIDENT.



WOW!

PS 787 26 JUN 18

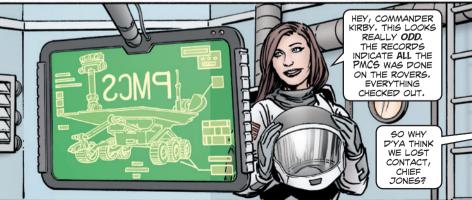






































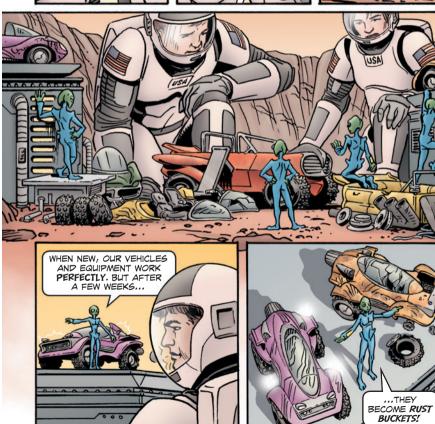




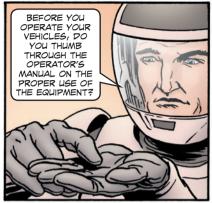




















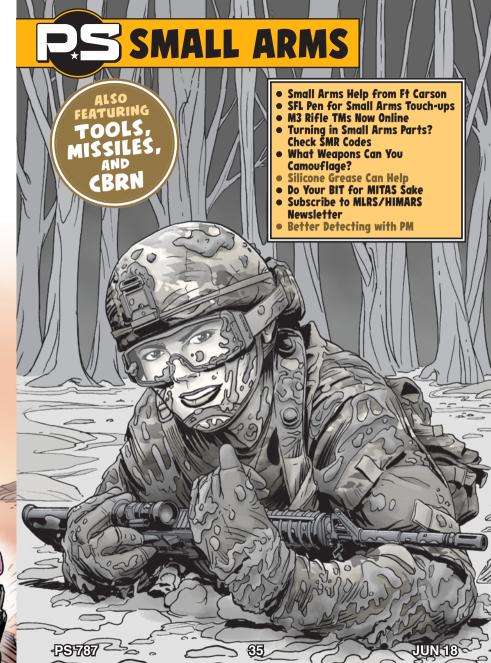


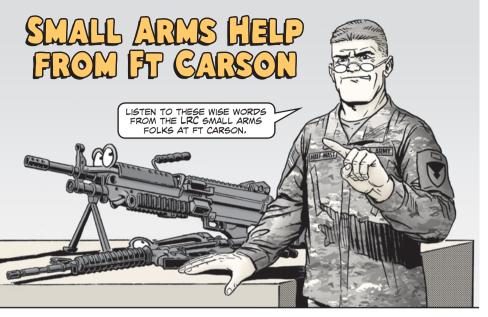








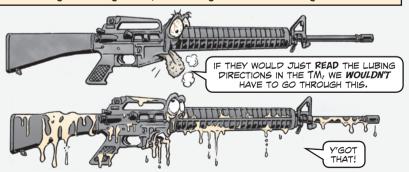




Dear Editor,

At the Logistics Readiness Center (LRC), we see these small arms problems repeatedly. Soldiers and armorers can make it easier for themselves and their weapons by remembering these tips:

Lube like it says in the weapon's -10 TM. We see weapons at either lubing extreme: bone dry or dripping with CLP. A weapon stored with no lubrication will soon be attacked by corrosion and damaged, maybe severely. A weapon with too much lubrication will quickly have firing problems in the field. Every -10 TM has very precise lubing directions. Follow them! It's a good idea for armorers to make copies of the directions and give them to every Soldier. Correct lubing is also a good topic for Sergeants' Time Training.



Think relaxed for storage. Armorers store weapons cocked. Why? Soldiers lock and clear their weapons before they turn them in to the arms room. Armorers leave the hammer cocked and the bolt locked to the rear when they put the weapon in the rack. That tension on hammer and trigger springs causes them to weaken. Then the springs have to be replaced. Leaving the bolt locked back also weakens the recoil spring, which could cause jamming.

Things get even worse with the M16 rifle and M4 carbine. Storing them cocked can also cause them to fail the trigger pull test. Then the hammer and trigger pins must be removed and reinstalled. If that happens too often, the pins' holes enlarge and fail gaging. Then the lower receiver must be replaced.

If armorers do this every time they store a weapon, all those problems disappear: Leave the bolt or slide forward, the selector on SEMI for the M16/M4 or off SAFE for pistols and machine guns, and the hammer uncocked.

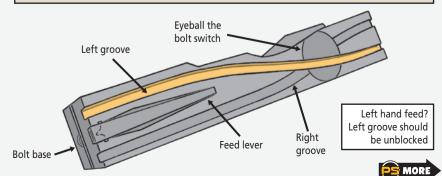
Help the springs for the M2 and MK 19 last longer by storing them muzzle down when possible.



Pay attention to the M2's feed. If you get the feed wrong, you'll not only be unable to feed ammo in the M2, but you'll also damage the feed pawl guide lever when you slam the feed cover in place.

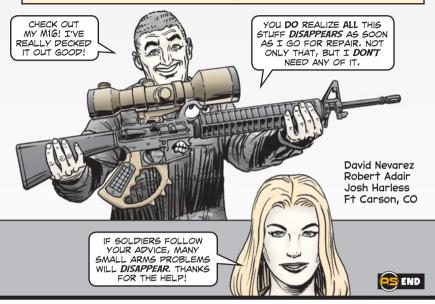
Just a glance at the bolt switch can tell you if you've got the feed right. If you're firing with the left-hand feed, the left groove beginning at the bolt's base should run through the bolt switch unblocked. Right hand feed? The right groove should be unblocked.

M2 gunners should be reminded to always check the feed before firing.



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No unauthorized mods. Putting stuff like unauthorized grips or slings on weapons are bad for the weapon, but also your pocketbook. When weapons are turned in for repair or maintenance, those unauthorized items are removed and you'll never see them again.



M LUBRICANT (SFL)



TOUCHING UP WEAPONS
WHERE THE FINISH HAS WORN
OFF JUST GOT EASIER!

REPAIRMEN, YOU CAN NOW ORDER A SOLIP FILM LUBRICANT (SFL) PAINT PEN DISPENSER WITH NSN 9150-01-646-0099.

THE DISPENSER MAKES TOUCHING UP NICKS, SCRATCHES AND SHINY SPOTS A SNAP!

THE PEN

M3 Rifle TMs Now Online!

IF YOU NEED INFO ON YOUR M3 84MM RECOILLESS RIFLE, YOU **DON'T** NEED TO LOOK ANY FURTHER THAN ETM ON LIW. BOTH TM 9-1015-262-10 AND -23&P HAVE BEEN POSTED TO ETM:

https://liw.logsa.army.mil





PO WE PISPOSE OF YOU LOCALLY OR TURN YOU IN TO BE PISPOSED OF SOMEWHERE ELSE?

IT'S EASY! ALL YOU GOTTA PO IS CHECK MY SMR COPE.

PAY ATTENTION TO THE SMR CODES WHEN YOU TURN IN UNSERVICEABLE CLASS IX SMALL ARMS REPAIR PARTS.

UNITS ARE MISTAKENLY
TURNING IN PARTS THAT
SHOULD BE DISPOSED
OF AT FIELD LEVEL,

IT'S **EASY** TO TELL WHAT SHOULD BE DONE WITH AN UNSERVICEABLE PART! IN THE WEAPON'S -23&P TM, CHECK THE **5TH POSITION** OF THE PART'S **SMR** CODE. IF IT'S C, O, F OR H, DISPOSE OF THE PART LOCALLY.

IF IT'S ANYTHING ELSE, TURN IN THE PART.

GENERALLY, ALMOST ALL CLASS IX SMALL ARMS PARTS CAN BE DEMILLED LOCALLY, EITHER BY THE SMALL ARMS REPAIR SHOP OR THE BSB'S WELDING

THIS CONTRADICTS THE INFORMATION THAT WAS ON PAGE 41 IN PS 776 (JUL 17), WHICH TOLD UNITS TO TURN IN UNSERVICEABLE SMALL ARMS PARTS TO DLS DISPOSITION SERVICES (DLA DS).

ALMOST ALL
SMALL ARMS
REPAIR PARTS
CAN BE PEMILLED
LOCALLY AND
DON'T NEED TO GO
TO DLA DS.

FOR MORE INFORMATION, SEE TACOM-SBC SUPPLY ADVISORY MESSAGE 17-986: https://tulsa.tacom.army.mil/Safety/message.cfm?id=SAM17-986.html FOR MORE INFO ON SMR CODES, SEE PAGES 55-59 OF PS 775 (Jun 17): https://www.logsa.armu.mil/psmag/archives/PS2017/775/775-55-59.pdf

PS 787 38 JUN 18 PS 787 39 JUN 18

WHAT WEAPONS CAN YOU CAMOUFLAGE?



Dear Half-Mast,
We would like to
camouflage paint our
weapons, but we're
not sure if that's
allowed or how to do
it. Can you help?



TACOM MAINTENANCE INFORMATION (MI) MESSAGE 15-002 GAVE INSTRUCTIONS FOR CAMOUFLAGE PAINTING MIG RIFLES AND M4 CARBINES. FIND IT AT: https://tulsa.tacom.army.mil/Maintenance/message.cfm?id=MI15-002

INSTRUCTIONS FOR PAINTING THE M240 AND M249
MACHINE GUNS ARE IN TACOM MESSAGE 15-021, WHICH
CAN BE FOUND AT:

https://tulsa.tacom.army.mil/Maintenance/ message.cfm?id=MI15-021.html

REMEMBER YOU **MUST** GET YOUR COMMANDER'S APPROVAL **BEFORE** PAINTING M16s, M4s, M240s OR M249s.

AND REMEMBER THAT BEFORE YOU TURN IN THESE WEAPONS FOR REDEPLOYMENT OR TRANSFER ALL THE PAINT MUST BE REMOVED. INSTRUCTIONS FOR REMOVING THE PAINT ARE IN THE TACOM MESSAGES.



THERE ARE NO AUTHORIZED DIRECTIONS FOR CAMOUFLAGE PAINTING SNIPER RIFLES.



It works great for lubricating and preserving rubber parts, like O-rings. It doesn't swell or soften the rubber, which hydrocarbon-based greases can do. Silicone grease does a good job as a corrosion inhibitor, especially when a thicker lubricant is needed. And it's electrically insulating and doesn't break down when high voltage is applied. That makes it good for electrical connectors, particularly those containing rubber gaskets. It lubricates and seals rubber portions of the connector without causing arcing.



Order an 8-oz tube of silicone grease with NSN 6850-00-880-7616.

But you don't want to use silicone grease in sandy areas because it attracts sand. Then it's better to use a "dry" silicone spray. It has some cleaning ability, but its main advantage is that it dries almost instantly and doesn't act as a magnet for sand. Order silicone spray with NSN 7930-01-380-9028. That brings a dozen 11-oz cans for around \$150. Or you can buy a single can with NSN 9150-01-039-4745.

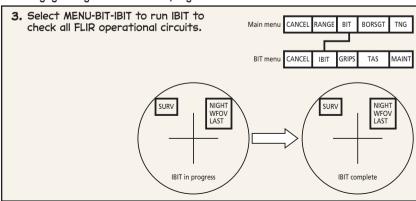


Dear Editor,

The M1134 Stryker's TM *doesn't* mention doing built-in tests (BITs) for the MITAS during PMCS.

It **should.** Along with the operational checkout, the MITAS's BITs (PBIT, IBIT, BORSGT, GRIPs) are the best way to ensure MITAS is working properly. And it's easy to do:

- Power up the MITAS following the TM procedure and wait for the system to cool. It should cool within 15 minutes. The NOT COOL indicator in the bottom right of the Gunner's MITAS screen will disappear once the system is cool enough.
- PBIT was done automatically when the MITAS was powered up. PBIT checked the power distribution and the operational circuits needed to engage targets with the day sight.



- 4. Once the IBIT is finished, boresight MITAS by selecting BORSGT. This aligns the day sight and FLIR. Remember to close the sight door first and make sure there is no movement of the MITAS or turret during boresighting.
- Next select MENU-BIT-GRIPS and follow the instructions to test the gunner station hand grip controls.

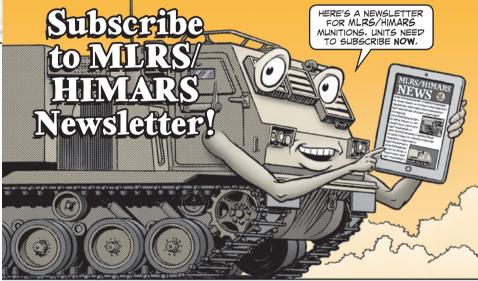
Accidentally hitting the wrong button during the GRIPS test produces an error icon. If MITAS fails the GRIPS test, test it again before calling in your 91S repairman.

6. If the BITs ID any mission critical failures, you'll see failure icons at the bottom of the MITAS display. Report them to your 915.

If it passes, you're good to go.

SFC Stephen Brown Stryker Master Gunner Course Ft Benning, GA





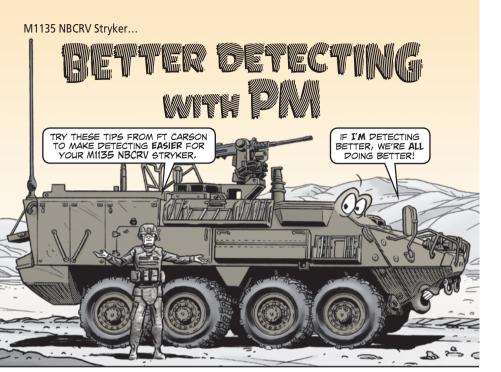
MLRS and HIMARS units need to get on the email list for *MFOM Precision Points*, a newsletter devoted to the MLRS family of munitions.

The newsletter, which comes out as needed, gives the latest info on POCs, publications, maintenance changes and other munitions topics.

To request to be added to the email list, email:

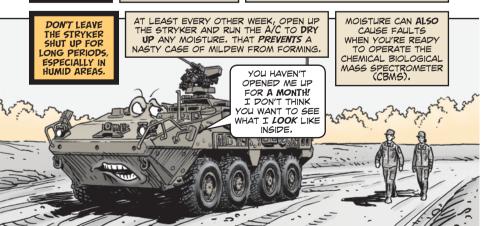
usarmy.redstone.peo-ms.mbx.field concerns@mail.mil

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MAKE SURE THE CONSUMABLE BOTTLES ARE SEATED AND LOCKED IN PLACE. IF A BOTTLE ISN'T
FULLY SEATEP AND
LOCKEP, YOU'LL
GET FAULTS. AND
SOMETIMES IT'S
DIFFICULT TO IDENTIFY
WHAT'S CAUSING
THOSE FAULTS.

TO INSTALL A BOTTLE, PULL THE COUPLING BACK, CONNECT THE BOTTLE AND PUSH THE COUPLING FORWARD TO LOCK THE BOTTLE IN PLACE. THEN GIVE THE BOTTLE A LITTLE TUG TO MAKE SURE IT'S SECURE. ALSO MAKE SURE THE CAPS AREN'T LEAKING. SOMETIMES THEY CORRODE AND START LEAKING.



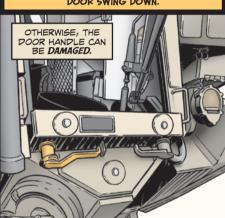
BE PATIENT WHEN TROUBLE-SHOOTING WITH BIT.

SOMETIMES IT CAN TAKE AS LONG AS 30 MINUTES FOR THE TEST TO RUN ITS COURSE.

GIVE THE BIT TIME ENOUGH TO DO ITS JOB. IF NOTHING SHOWS UP AFTER 30 MINUTES, THEN REPORT IT.



WHEN OPENING THE BOTTOM OF THE REAR DOOR, MAKE SURE ITS HANDLE IS COMPLETELY IN THE CLOSED POSITION BEFORE LETTING THE DOOR SWING DOWN.

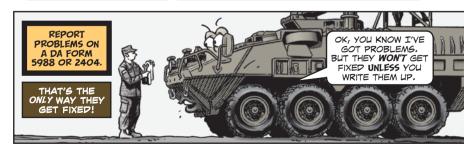


BEFORE INSTALLING A TRAINING SAMPLE CANISTER IN THE CHEMICAL VAPOR SAMPLING SYSTEM (CVSS). VACUUM 17.

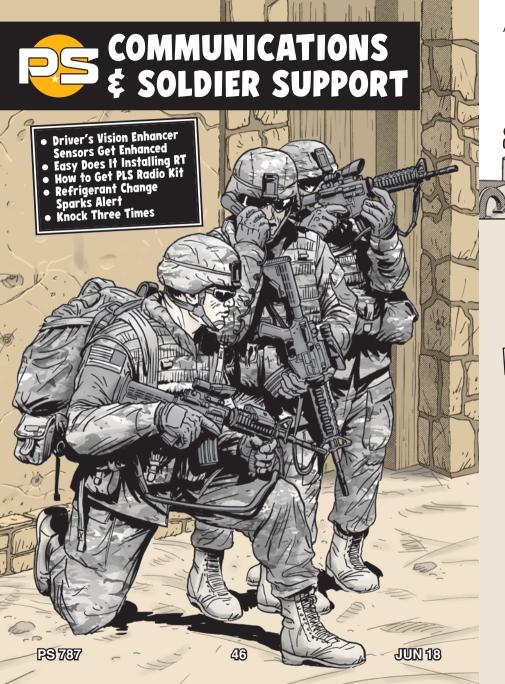


DO ALL THE SUITE SYSTEM CHECKS WEEKLY.

MAKE THEM PART OF YOUR MONDAY PMCS.
LETTING THE SYSTEMS OPERATE WILL SAVE LOTS
OF TROUBLESHOOTING LATER.



PS 787 45 JUN 18



AN/VAS-5 Series... Driver's Ballancer Sensors

HEADS UP IF YOU'RE ONE OF THE MANY USERS OF THE DRIVER'S VISION ENHANCER (DVE), LIN D41659, THE EXISTING 25-MICRON FAMILY OF DVE SENSORS IS BEING REPLACED THROUGH ATTRITION BY A NEW 17-MICRON SENSOR WITH ENHANCED TECHNOLOGY.

THE NEW LENS ARRAY IS SMALLER BUT WILL WORK WITH THE OLD HOUSING.

IMPROVEMENTS INCLUDE: pixel pitch

less power consumption MIL-STD-1275D power compliance

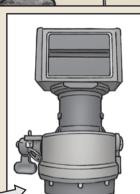
Driver's Vision Enhancer, LIN D41659

	-					
	CHECK OUT THE OLD AND NEW NSNS:	25-micron sensors	New 17-micron sensors			
_	Nomenclature	Old NSNs	New NSNs			
	Combat Vehicle Sensor (CV Sensor-V3)	5855-01-525-1636	5855-01-661-4314			
	CV Sensor-V5	5855-01-588-3771				
	Tactical Wheeled Vehicle Sensor (TWV Sensor-V3)	5855-01-525-1631				
	TWV Sensor-V5	5855-01-588-3763	5855-01-661-4313			
	TWV Sensor by BAE (No longer procurable)	5855-01-587-5899				
	Abrams CV Sensor	5855-01-599-3102	5855-01-662-0300			

GOT DVE QUESTIONS? CONTACT:

SHELLY COLELLO AT (443) 861-3017, EMAIL: shelly.a.colello.civ@mail.mil

GLENN CASSIMORE AT (443) 861-2954, EMAIL: glenn.a.cassimore.civ@mail.mil



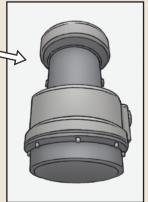
HEY, HAVE YA HEARD THE NEWS? MY OLD

SENSOR GOT ITS RETIREMENT PAPERS.

YEAH! A NEW

SENSOR IS ON THE WAY!

REALLY?!



PS 787 47 **JUN 18**



GUIDE RAILS, NSN 5975-01-467-4678, MAKE MOUNTING EASIER. THE RAILS CLOSE THE GAP BETWEEN THE RIGHT SIDE OF THE RADIO AND THE MOUNT.

BUT DON'T DEPEND ON THEM ENTIRELY. EVEN WITH THE RAILS, THE CONNECTORS ARE USUALLY NOT PERFECTLY ALIGNED

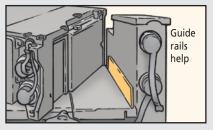
BE AWARE THAT EVEN WHEN THE RT IS INSTALLED PROPERLY AND LOCKED DOWN, VIBRATION CAN CAUSE IT TO SHIFT ENOUGH THAT THE RT LOSES ITS CONNECTION.

IF YOU'VE GONE THROUGH ROUGH COUNTRY AND THE RT'S NOT WORKING, IT MAY NEED TO BE REINSTALLED.

OK, YOU'RE

READY TO

ROLL!



IF YOU NEED INSTRUCTIONS FOR MOUNTING THE GUIDE RAILS, EMAIL PS AT:

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

SMOKE SIGNALS?

SORRY PAL, I

COULDN'T FIND A KIT

TO INSTALL THE RADIO. MAYBE NEXT TIME.

Dear Editor,

We have had a real problem with Soldiers damaging the 17239 mount when

SSG Clinton Hoque Ft Polk, LA

WE HEAR INSTALLATION IS YOU, STAFF SERGEANT. OF THE RT.

YOU CAN'T JUST PUT THE RT IN THE MOUNT AND SHOVE

THAT ALMOST GUARANTEES BENT OR BROKEN CONNECTOR PINS.

EASE THE RT INTO THE MOUNT UNTIL YOU FEEL

THEN CAREFULLY PUSH THE CONNECTORS

AREN'T LINING UP, REPOSITION THE RT AND TRY AGAIN. IF REPOSITIONING DOESN'T WORK, GET HELP FROM YOUR REPAIRMAN.

JUST DON'T TRY TO FORCE THE RT IN

Dear Half-Mast, What's the NSN for the radio installation kit for the M1075A1 PLS? I've searched through TM 9-2320-319-13&P (Mar 10) without luck. There's a section about installing a radio kit, but it doesn't give the SGT W.J. Dear Sergeant,

SINCGARS... How to Get PLS Radio Kit

WAIT! I GOT A FEELING

SOMETHING'S MISSING. HOW

WILL I COMMUNICATE WITH

MY TEAM ON THE ROAD?

MK-2694/VRC, NSN 5895-01-347-6187, is the radio installation kit for installing SINCGARS AN/VRC-87, -88 or -90 into PLS A1 (M1074A1/ M1075A1) trucks. You'll find the installation instructions in TB 11-5820-890-20-84 (Sep 93). You can get the TB at the LOGSA ETM website. Go to:

https://liw.logsa.army.mil/etmapp/#/etm/home

they install the SINCGARS RT 1523E/F. They jam the SINCGARS in and break the P1 and GPS connectors. In one month we had 120 mounts damaged. It would be areat if PS did an article on how to install SINCGARS properly.

DIFFICULT BECAUSE THERE IS LEEWAY ON BOTH SIDES

THE ONLY SOLUTION IS SLOW AND EASY WHEN INSTALLING THE RT.

THE CONNECTORS MEET.

TOGETHER.

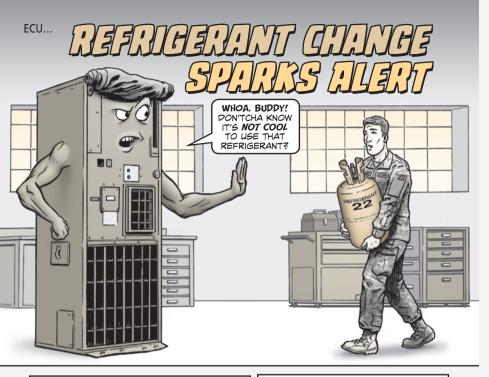
IF THE CONNECTORS

kit's NSN.

PS 787 48 **JUN 18**

Forcing SINCGARS in mount

damages P1 and GPS connectors



HERE'S AN IMPORTANT MESSAGE FOR UNITS!

REFRIGERATION AND MAINTENANCE SERVICES ON ENVIRONMENTAL CONTROL UNIT (ECU) SYSTEMS THAT CONTAIN A REFRIGERANT KNOWN AS R22 ARE NO LONGER AUTHORIZED TO BE PERFORMED IN OCONUS LOCATIONS IN EUROPE.

THIS RESTRICTION INCLUDES SERVICE PROCEDURES LIKE FULL REFRIGERANT CHARGES AND/OR "TOPPING OFF."

UNITS CAN CONTINUE TO OPERATE ECU SYSTEMS USING R22 UNTIL REFRIGERATION SERVICES ARE REQUIRED.

BUT ONCE ANY SERVICES ARE DUE, R22 MUST NOT BE USED AND/OR SERVICED.

REFRIGRANT REFRIGERANT 22 A.DIL A.UI.C 4

R22 use may result in host nation fines

PERSONNEL STATIONED IN OCONUS WHO WOLATED INTERNATIONAL RESTRICTIONS BY CONTINUING TO SERVICE R22, WHICH HAS OZONE-DEPLETING HYDROCHLORO-FLUOROCARBONS, HAVE BEEN PENALIZED AND FINED BY HOST NATIONS.

AS A SOLUTION, CECOM ILSC HAS TESTED AND APPROVED THE USE OF MO99, ALSO KNOWN AS R438A, AS A SAFE AND SUITABLE "DROP-IN" REPLACEMENT REFRIGERANT FOR R22 IN LEGACY ECU SYSTEMS.

> R438A REFRIGERANT IS ONLY AUTHORIZED FOR USE IN THE FOLLOWING ECU SYSTEMS ...

BTU/hr	NSN 4120-	LIN
9,000, 1 PH	01-456-6954	A23828
9,000, 3 PH	01-330-6542	A23955
18,000 horizontal	01-523-4472	A24463
18,000 vertical	01-329-1515	A24455
36,000	01-467-2638	A24763

Unit Instructions

1. Be aware of any ECU systems that have already been charged (retrofitted) with R438A refrigerant with identification plates stating that the newer refrigerant was applied.

Note: This is a critical step to ensure the two refrigerants aren't mixed, which can cause a chemical/pressure imbalance. making ECU systems NMC.

Apply identification plates to retrofitted **ECU** systems

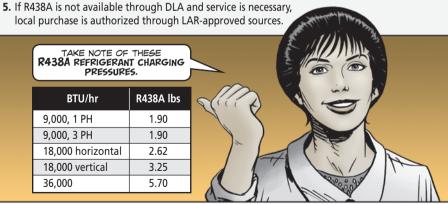
RETROFITTED BY: TOBYHANNA ARMY DEPOT

System Charged with Refrigerant M099 (R-438A) 2.54 lbs. Date Retrofitted: 4/09/14

- 2. Units performing retrofits should contact the CECOM representatives listed below or LARs to acquire CAUTION identification plates to be attached to retrofitted ECU systems.
- 3. R438A retrofits are to be performed on an as-needed basis (attrition), unless units are informed otherwise or unit resources become available.
- 4. Units are asked to retrofit ECU systems to R438A prior to deployments in theater.

TAKE NOTE OF THESE R438A REFRIGERANT CHARGING PRESSURES. BTU/hr R438A lbs 9.000, 1 PH 1.90 9,000, 3 PH 1.90 2.62 18,000 horizontal 18,000 vertical 3.25

36,000



IF YOU HAVE QUESTIONS ON ECU SYSTEMS SUPPORT, CONTACT THE FOLLOWING CECOM ILSC POCS

5.70

KAREN ADAMS AT (443) 395-6898, EMAIL: karen.m.adams6.civ@mail.mil

SYDNEY MAPP AT (443) 395-6897, EMAIL: sydney.w.mapp3.civ@mail.mil

JOE SAVITSKY AT (443) 395-6241, EMAIL: joseph.t.savitsky.civ@mail.mil

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KNOCK THREE TIMES



HARD ARMOR INSERTS HAVE SAVED THE LIVES OF MANY SOLDIERS IN COMBAT, BUT LIKE ANY EQUIPMENT, BODY ARMOR NEEDS TO BE INSPECTED BEFORE USE.

YOU CAN CHECK YOUR PLATES AND CONDUCT SIMPLE TESTS

TO ENSURE THAT YOUR ENHANCED SMALL ARMS PROTECTIVE INSERTS (ESAPI) ARE INTACT AND WILL OFFER LIFE-SAVING PROTECTION.

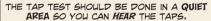
BECAUSE PLATE DAMAGE ISN'T ALWAYS VISIBLE, DO THESE TWO TESTS TO HELP ENSURE YOUR ESAPI IS FIT FOR THE FIELD: THE TAP TEST AND THE TORQUE TEST.



The Tap Test

THE TAP TEST CHECKS FOR DELAMINATION OF THE HARD ARMOR PLATES.

HERE'S HOW TO DO IT ...





USE A PROPER TOOL FOR THE TEST. A TAP TEST TOOL MUST BE A DENSE, SOLID METAL OBJECT, LIKE A BOLT, METAL PIN OR FOLDING KNIFE.



Metal pin

Folding knife

NOTE: THE TAP TEST SHOULD NOT BE DONE ON THE ESAPI'S SIDES.

WHEN DOING THE TAP TEST, REST THE PLATE ON THE FINGERTIPS OF YOUR NON-DOMINANT HAND.



TAP IN THE UPPER PORTION OF THE PLATE.

WHILE TAPPING ON THE PLATE, LISTEN FOR ONE OF TWO SOUNDS: EITHER A CHIME (THREE TINNY CHIMES) OR A THUD (THREE DULL THUDS).

A CHIME-LIKE SOUND MEANS THE PLATE ISN'T DELAMINATED. A THUDDING SOUND MEANS THE PLATE MAY BE DELAMINATED.

WHEN TAPPING A PLATE, IF YOU HEAR THREE **DULL THUDS**, PUT THAT PLATE ASIDE. DON'T ISSUE OR USE THE PLATE BECAUSE THERE MAY BE DELAMINATION ISSUES.

> EXCEPTIONS to this RULE!

- 1. Tapping directly in the center of the plate will always result in a solid sound (three tinny thuds). The amount of surrounding material acts as a dampener, which prevents large amounts of resonance.
- 2. If you tap a plate directly on a label, you may also hear a solid sound (three tinny thuds). However, that doesn't mean the plate is delaminated because the curvature of the plate in this area also dampens the resonance.





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The Torque Test

THE TORQUE TEST INSPECTS FOR CRACKS IN THE CERAMIC TILE IN THE HARD ARMOR PLATE.

DO THE TEST IN A QUIET PLACE.



GRAB ONE
CORNER OF
THE PLATE
WITH ONE
HAND AND
THE OPPOSITE
CORNER WITH
THE OTHER
HAND, AND
TORQUE,
OR TWIST,
THE PLATE.



LISTEN
FOR ANY
CRUMBLING,
CRACKING
OR RATTLING
SOUNDS.

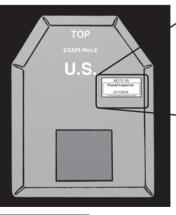


SWITCH HANDS TO THE OPPOSITE CORNERS OF THE PLATE AND TWIST AGAIN, LISTENING CAREFULLY FOR ANY CRUMBLING, RATTLING OR CRUNCHING SOUNDS.

FEEL AROUND THE OUTER EDGES OF THE PLATE, TOO. ENSURE THAT YOU GO ALL THE WAY AROUND THE PLATE, BECAUSE THE OUTER EDGE IS THE MOST SUSCEPTIBLE TO PAMAGE.

PLATES
SHOULD BE
SCANNED
EVERY NINE
MONTHS.

A SCANNED PLATE
PISPLAYS
A SILVER
STICKER
THAT
SHOWS THE
LAST DATE
IT PASSED
INSPECTION.



NDTE 05

Passed Inspection

3/17/2016

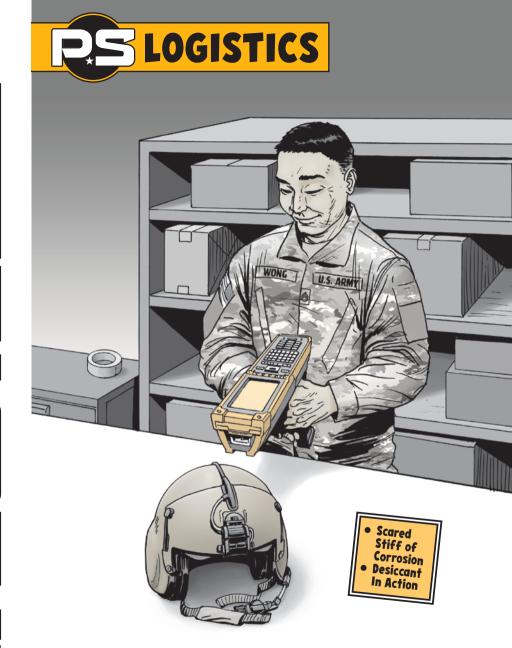
Sheer stated a lanear last since plants passed inspection

Silver sticker shows last time plate passed inspection

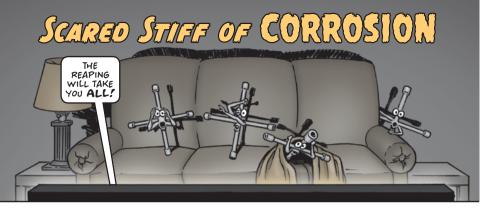
ALL PLATES THAT ARE FOUND UNSERVICEABLE BECAUSE OF FAILING EITHER THE TAP TEST OR THE TORQUE TEST SHOULD BE PULLED AND DISPOSED OF IN ACCORDANCE WITH ARMY GUIDANCE.

FOR A STEP-BY-STEP VIDEO SHOWING THE PROPER WAY TO DO BOTH THE TAP AND TORQUE TESTS ON YOUR ESAPI, VISIT:

https://www.dvidshub.net/video/473427/peo-soldier-armored-plate-tap-test-training

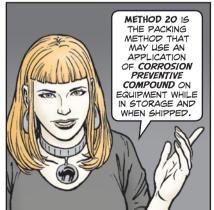


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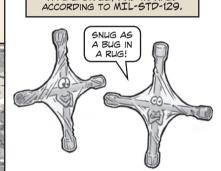
SO, UH, HOW DOES THE PROCESS WORK?



THEN THE CORRECT PREVENTIVE COMPOUND IS SELECTED, PER MIL-STD-2073-1 (STANDARD PRACTICE FOR MILITARY PACKAGING) AND APPLIED



- spraying flushina
- fogging brushing



AFTER THE ITEMS ARE TREATED,

THEY'RE TUCKED AWAY IN A WRAP THAT CONFORMS TO MIL-PRF-121, TYPE I OR II, AND MARKED

TO THE ITEM EITHER BY: ΔHHH.

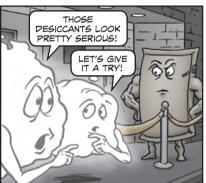


FOR MORE ON METHOD 20 AND OTHER CORROSION PREVENTION AND PACKAGING TIPS DOWNLOAD THE PACKAGING, STORAGE AND CONTAINERIZATIONS CENTER'S (PSCC) PACKAGING - BASICS AT: https://www.logsa.armu.mil/documents/LOGSAP 746-1.pdf

CHECK OUT PS MAGAZINE ISSUE 724 FROM MARCH 2013.

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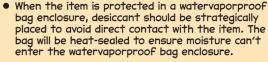




IF YOU'RE USING METHOD 50 TO FIGHT CORROSION, THEN YOU'LL BE USING MOISTURE-**ABSORBING** DESICCANT.

DESICCANT ABSORBS WATER VAPOR THAT TRIES TO SNEAK THROUGH THE BARRIER MATERIAL DURING STORAGE OR SHIPPING.

WHILE DESICCANT IS DEFINITELY YOUR ALLY, THERE ARE A FEW RULES TO KEEP IN MIND BEFORE YOU START PACKING ...



- Activated desiccant means the desiccant is already working to absorb moisture in its vicinity. Don't expose desiccant to the environment when removed from their sealed storage container any longer than necessary.
- Removing the activated desiccant and inserting it into the unit pack should be the last action before sealing the bag or container.
- Add a greaseproof wrap to any items using contact preservatives that separate the desiccant from incompatible elements. Be sure to secure desiccant bags around the item and use humidity indicators for all packs containing desiccant.
- *Never* use damaged or frayed bags of desiccant or store them near lubes or oils.
- Don't remove desiccant bags from their container until you're ready to use them.

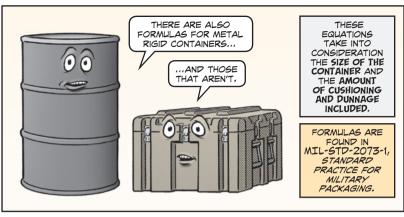


INFORMATION AVAILABLE ON THE LLRC DATA PLATE.

SPECIAL PACKAGING INSTRUCTIONS WILL PROVIDE THE INFORMATION AS WELL, IF IT'S AVAILABLE. THE ITEM'S TM CAN PROVIDE THE AMOUNT OF DESICCANT, TOO.

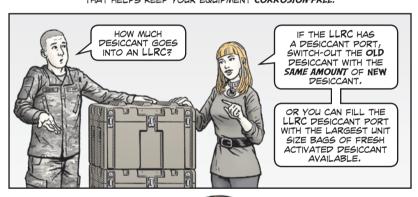


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STICK TO THESE FORMULAS WHILE USING METHOD 50 AND THE ACTIVATED DESICCANT WILL WORK TO KEEP MOISTURE AWAY FROM YOUR EQUIPMENT.

THAT HELDS KEEP YOUR EQUIPMENT CORROSION-FREE.





ısarmy.tyad.usamc. mbx.pt@mail.mil

PS 787

PACKAGING - THE BASICS CAN ALSO HELP ANSWER YOUR CONTAINERIZATION QUESTIONS.

POWNLOAD A COPY AT THIS LINK: https://www. logsa.army.mil/ documents/ LOGSAP 746-1.pdf



Connies Post Scripts

AT422-T 22-ton Crane Intake Pipe

Get a new air cleaner intake pipe for your 22-ton crane with NSN 2940-00-107-1192. It replaces NSN 2940-01-542-1638, which is shown as Item 14 in Fig 20 of TM 5-3810-307-24P (May 07). That NSN is a terminal item.

BATTERY BOX COATING COMPOUND

Get a gallon of bituminous coating compound for your battery box with NSN 8030-00-290-5141. First use a wire brush to scrape off rust and old paint. After cleanup, protect the bare metal inside the box with a coat of the compound.

PLS A1 Engine Control Unit NSN

Order a new PLS A1 flashed or programmed C-15 engine control unit (ECU) with NSN 2920-01-643-4016. The current PLS A1 IETM only lists NSN 2540-01-565-8385, but that brings an unflashed or unprogrammed ECU.

M915A5 Radiator NSNs

There are two different radiators available for the M915A5 tractor truck. Which one you order depends on the truck's serial number. For SN AJ1134-AS8387 and AS8546-AS8961, order the radiator with NSN 2930-01-581-2109. SN AS8388-AS8545 and AS8962-AZ3356 take radiator. NSN 2930-01-597-0622.

AH-64 TRANSPORT HANDLE ASSEMBLY

The AH-64's transport handle assembly, NSN 1740-01-220-8472 (PN 7367311029), isn't stocked and cannot be ordered. Instead, order the transport bar assembly, NSN 1740-01-221-9436 (PN 7-367310013). That's the next higher assembly.

M915A5 Rear Wheel Seal

Get a new rear wheel seal for the M915A5 with NSN 5330-01-568-5883. It replaces PN CM 10008717, which is shown as Item 8 in Fig 138 of TM 9-2320-426-13&P in IETM EM 0308 (Aug 14). That PN doesn't cross to an NSN. Make a note until the TM is updated.

M334 Decon Kit TM Hits LIW

There's a new TM in town: TM 3-6665-439-10. It covers the M334 Decontamination Kit, Individual Equipment, NSN 4230-01-643-8267. It's also known as the Joint Service Equipment Wipe (JSEW).

Note: This TM is restricted. To view it, log in to the Logistics Information Warehouse (LIW) with your CAC at:

https://liw.logsa.army.mil/

Then choose the "ETM/IETM" icon and search for the TM.

M1070A1 HET Belt Tensioner NSN

The M1070A1 HET has a new, more robust belt tensioner available. NSN 2930-01-650-8617 (P/N 25278B90, CAGE 0U928) replaces the belt tensioner listed as Item 32 in Fig 53 of TM 9-2320-427-13&P in IETM EM 0210 (Jan 11).

Would You Stake Your Life on the Condition of Your Equipment?

JUN 18 PS 787 61 JUN 18





Disregards torque limits!

> Thinks a good torque is as much as you can tighten it!



BETTER MAINTENANCE AND SAFER EQUIPMENT!

> MURPHY'S LAW #27: If a part can be installed wrong, someone will do it.