

THE PREVENTIVE MAINTENANCE MONTHL

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ISSUE 793 DECEMBER 2018



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TB 43-PS-793, The Preventive Maintenance Monthly, is an official publication of the Department of the Army, providing information for al 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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You are invited to send PS your ideas for improving maintenance procedures, questions on maintenance and supply problems and guestions or comments on material published in PS.

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

1. G. - 1⁶⁸

MARKE AVERILL cting Administrative Assistant to the Secretary of the Army 1824953

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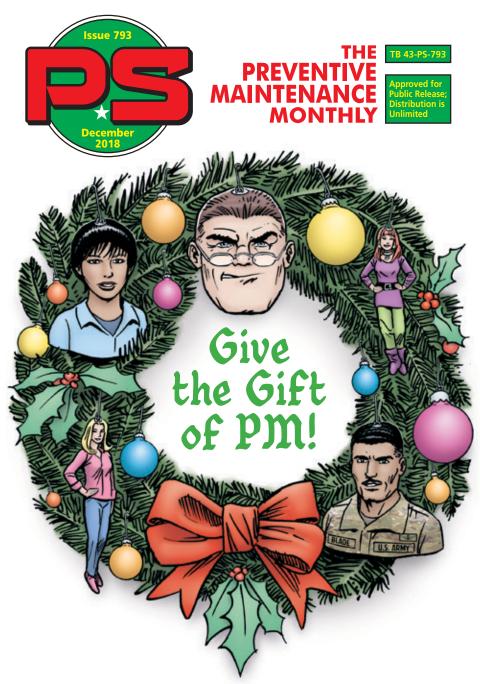
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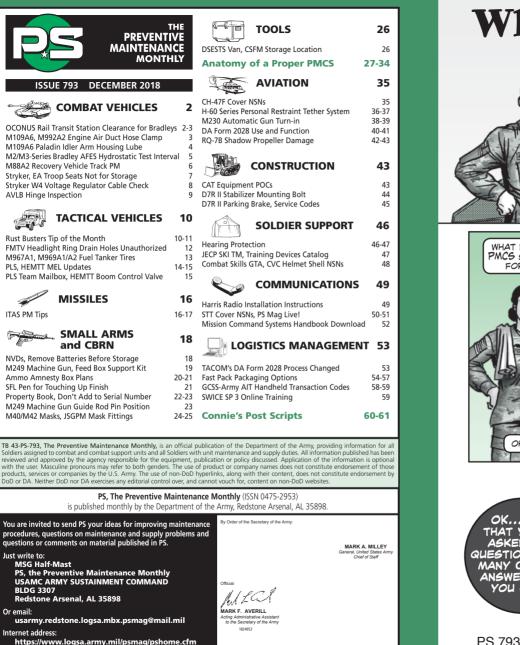
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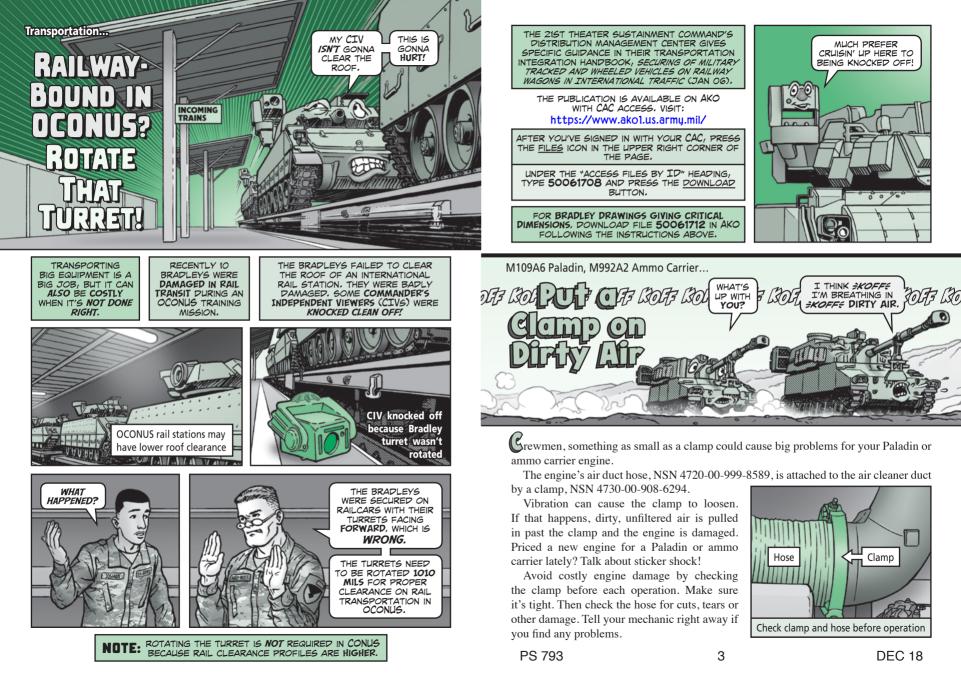
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Who Drives the Train?





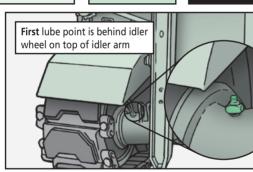


CREWMEN, YOUR PALADIN'S IDLER ARM AND HOUSING CAN TAKE A **BEATING** DURING MISSIONS. THAT'S WHY YOU NEED TO SHOW IT SOME TLC DURING SEMI-ANNUAL CHECKS AND SERVICES.

THE FIRST LUBE POINT IS BEHIND THE IDLER WHEEL ON TOP OF THE IDLER ARM. IT'S EASY TO OVERLOOK THIS ONE SINCE IT'S OFTEN COVEREP IN PUST AND MUD. BE SURE TO CLEAN IT OFF BEFORE LUBING SO YOU PON'T FORCE IN ANY DIRT.

THE SECOND LUBE POINT IS IN A RECESSED AREA INSIDE THE MECHANICAL DRIVE HOUSING, NSN 3040-00-179-5562. BECAUSE THE LUBE POINT SITS BACK OUT OF SIGHT, IT'S OFTEN FORGOTTEN.

REMOVE THE PIPE PLUG AND REPLACE IT WITH A GREASE FIITING, NSN 4730-00-050-4208, TO LUBE THIS AREA HIT BOTH LUBE POINTS SEMIANNUALLY WITH GAA TO PREVENT PROBLEMS.



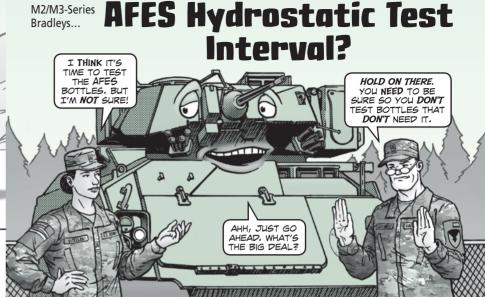
LUBE POINTS

FOR EACH

HOUSING.

Second lube point is in recessed area in mechanical drive housing





Mechanics, listen up! There's some confusion about how often the bottles for the Bradley's automatic fire extinguisher system (AFES) should undergo hydrostatic testing.

The right answer is 12 years for bottles that are being recharged. But, that doesn't apply to fully-charged bottles, even if they've gone more than 12 years since the last hydrostatic test.

That means **do not** remove fully-charged AFES bottles for a hydrostatic test, even if it's been more than 12 years since the last test.

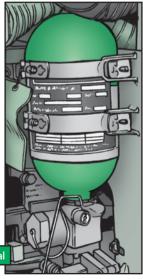
Only test discharged bottles that've gone past the 12year mark since the last hydrostatic test. The bottles need to be recharged after a fire, accidental release or leak. Do **not** discharge an extinguisher just to perform the test.

Your TACOM logistic assistance representative (LAR) can answer questions and help with testing.

Check out TACOM Maintenance Information Message 18-017 for more information:

https://tulsa.tacom.army.mil/Maintenance/ message.cfm?id=MI18-017.html

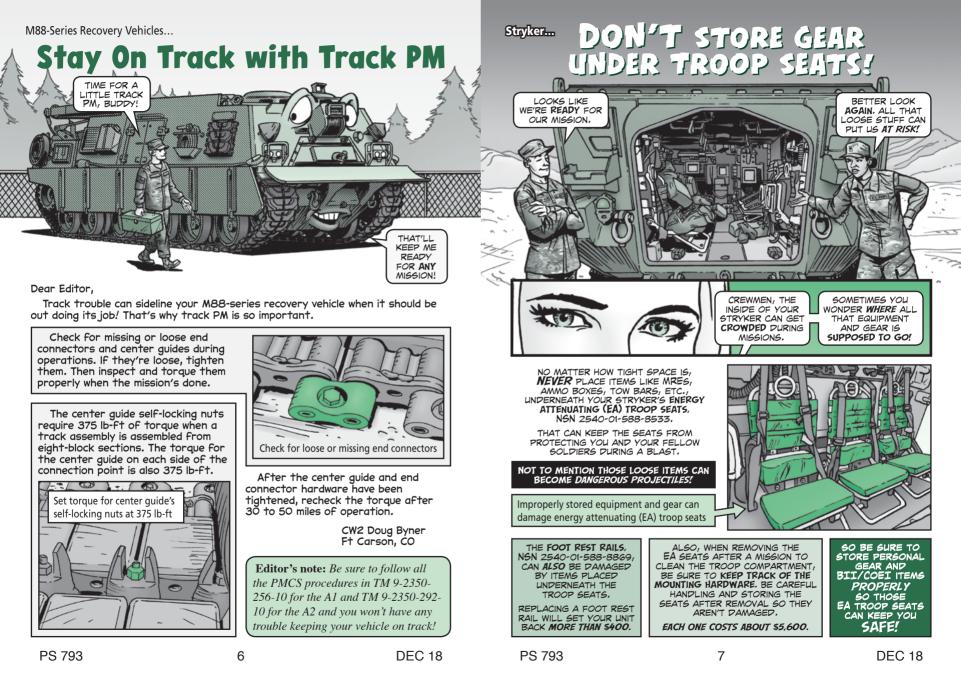
Don't test fully-charged bottles, even if past 12-year test interva



AND THE ARM CAN LOCK UP OR EVEN

SHEAR OFF DURING

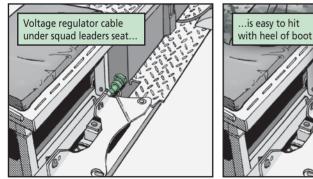
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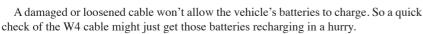


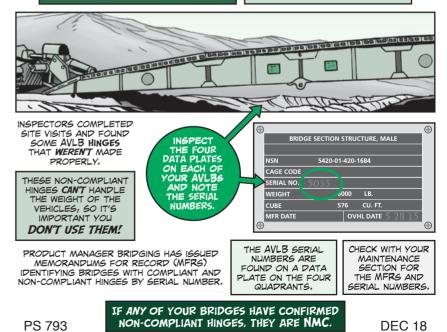


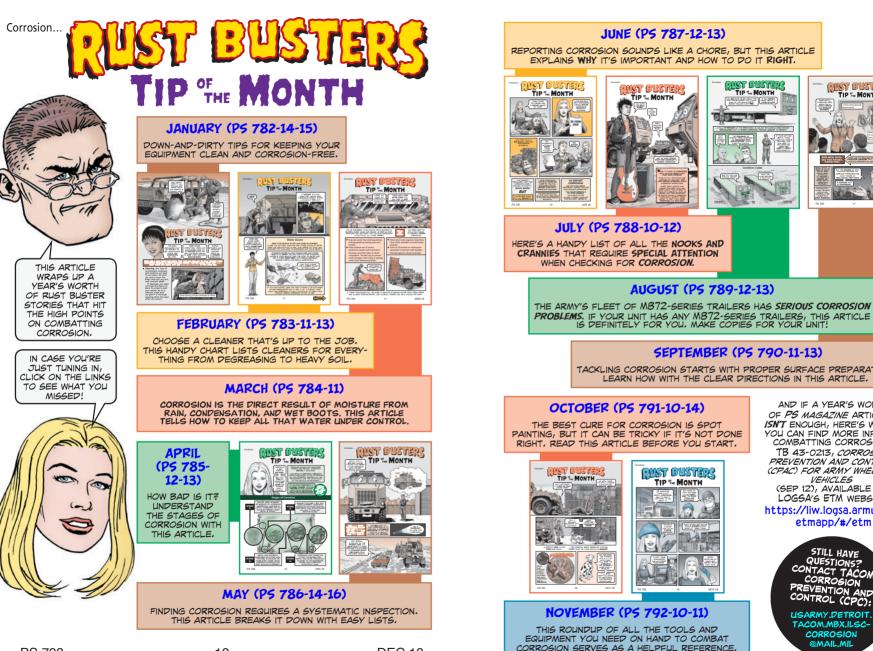
Mechanics, figuring out why a Stryker's batteries aren't charging can be tricky and time consuming. But you might save yourself some trouble by making the W4 cable inside the troop compartment one of your first checks.

The W4 cable that screws into the side of the battery box sits right under the squad leader's seat. The heel of a Soldier's boot can easily hit the W4 cable by accident and either damage it or slowly unscrew it.









SEPTEMBER (PS 790-11-13) TACKLING CORROSION STARTS WITH PROPER SURFACE PREPARATION. LEARN HOW WITH THE CLEAR DIRECTIONS IN THIS ARTICLE. AND IF A YEAR'S WORTH OF PS MAGAZINE ARTICLES ISN'T ENOUGH, HERE'S WHERE YOU CAN FIND MORE INFO ON COMBATTING CORROSION: TB 43-0213, CORROSION PREVENTION AND CONTROL

TIP ST MONTH

TIP % MONTH

(CPAC) FOR ARMY WHEELED VEHICLES (SEP 12), AVAILABLE ON LOGSA'S ETM WEBSITE: https://liw.logsa.armu.mil/

etmapp/#/etm

STILL HAVE QUESTIONS CONTACT TACOM CORROSION PREVENTION AND CONTROL (CPC);

USARMY.DETROIT. TACOM.MBX.ILSC-CORROSION @MAIL.MIL

Drill & Drain? Not for FMTVS!

GOOD THING THE MOTOR POOL PRILLED **HOLES** IN MY HEADLIGHT RINGS SO THIS SNOW MELT CAN **DRIP OUT**.

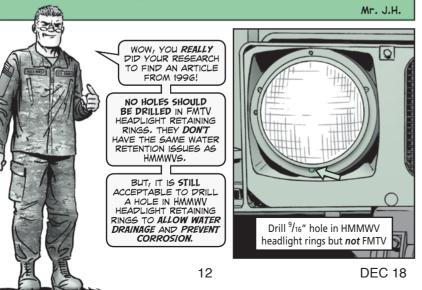
> WORKS FOR YOU, BUT NOT FOR ME!

Dear Half-Mast,

My final inspector always complains that no water drain holes are drilled in the headlight rings of the FMTV-series vehicles that we service. He says it helps prevent corrosion.

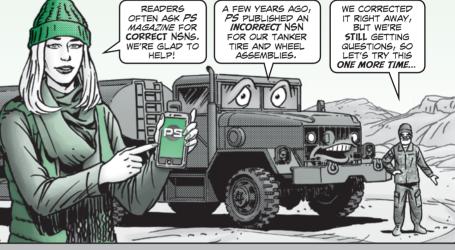
I found an old PS Magazine article from 1996 showing how to drill holes in the headlight rings of HMMWVs to prevent corrosion, but it didn't say to do this in any other vehicles.

Are we supposed to be drilling holes in FMTV headlight rings just like in HMMWVs? Is that still the practice for HMMWVs?



M967A1 & M969A1/A2 Fuel Tankers...

GETTIN' IT RIGHT THIS TIME: TIRE & WHEEL ASSEMBLY NSN



TO ORDER A **REPLACEMENT TIRE AND** WHEEL ASSEMBLY FOR THE M967A1 AND M969A1/A2 FUEL TANKER, USE NGN 2530-01-506-4125. THAT BRINGS A NEW 22.5-IN TUBELESS TIRE WITH A ONE-PIECE WHEEL (WHICH IS

TIRE WITH A ONE-PIECE WHEEL (WHICH IS ALSO THE **SAME TIRE** USED ON THE NEW PRODUCTION M967A2 AND THE M969A3).

PS 793

HE	RE'S	WHAT	YOU	GET:
				_ /

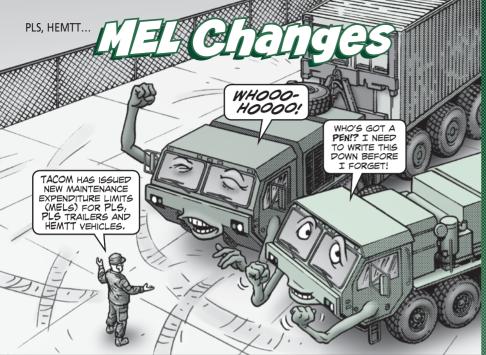
NOW, THIS NEXT POINT IS **REALLY CONFUSING**, SO BRACE YOURSELF!

Item	NSN
Wheel, 22.5-in, tubeless, stud-piloted	2530-01-510-6121
Tire, 11.00 x 22.5-in, load-range G	2610-01-045-3688
Valve stem	2640-00-555-2824
Valve extension, 5-in	2640-00-338-2705

THE INNER AND OUTER LUG NUTS USED IN THE 22.5-IN ASSEMBLY ARE THE **SAME ONES** USED IN THE 20-IN SPLIT-RIM ASSEMBLY.

BUT **DO NOT** MIX 20-IN AND 22.5-IN ASSEMBLIES ON THE **SAME TRAILER.** THAT CAUSES THEM TO WEAR OUT QUICKER THAN THEY SHOULD.

REPLACE ALL OF THE TRAILER'S TIRE AND WHEEL ASSEMBLIES AT THE SAME TIME TO PREVENT IMPROPER WEAR. THAT'S A TOTAL OF NINE ASSEMBLIES, INCLUDING THE SPARE!





PLS Trailer		
Model	MEL %	
M1076A1 trailer (PLSTA1)	90	
M1076 trailer (PLST)	90	

PLS with or without Container Handling Unit (CHU) (Note: M1074A1 and M1075A1 w/armor, use same MEL as M1074A1 and M1075A1 trucks w/o armor)

Model	MEL %
M1075A1 w/E-CHU	90
M1074A1	90
M1075A1	90
M1074 (built after 2006)	50
M1075 (built after 2006)	50
M1074 (built prior to 2006)	0
M1075 (built prior to 2006)	0
M1075 w/E-CHU (built prior to 2006)	70
M1075 w/E-CHU (built after 2006)	80
M1074P1 w/armor (built after 2006)	25
M1075P1 w/armor (built after 2006)	25
M1074P1 w/armor (built prior to 2006)	25
M1075P1 w/armor (built prior to 2006)	25

HEMTT with or without CHU

(Note: A4 trucks w/armor, use same MEL as HEMTT A4 trucks w/o armor)

Model	MEL %
M977A4, M978A4, M983A4, M983A4 LET, M984A4, M985A4, M985A4GMT, M1120A4, M1977A4, M1120A4 w/ E-CHU	90
M1142, M1158	80
M1977, M1977P1, M1977A2P1, M1977A2R1P1, M1977A2, M1977A2R1	80
M977A2, M977A2R1	0
M978A2, M978A2R1	50
M983A2, M983A2R1, M983A2LET	50
M984A2, M984A2R1	50
M985E1A2R1, M985E1A0, M985E1A2	50
M1120A2, M1120A2R1, M1120A2 w/E-CHU	75
M977P1, M977A2P1, M977A2R1P1, M978P1, M978A2P1, M978A2R1P1, M983P1, M983A2P1, M983A2R1P1, M984A1P1, M984A2P1, M984A2R1P1,M985E1A2R1, M985E1P1, M985E1A2P1, M985E1A2R1P1, M985P1,M985A2P1, M985A2R1P1, M1120P1, M1120A2P1, M1120A2R1P1	0
M977, M978, M983, M984, M984A1, M985, M985A2, M1120	0



PLS Team Mailbox

Have a maintenance question about the palletized loading system (PLS)? Write the PLS team at: usarmy.detroit.tacom.mbx.ilsc-pls2@mail.mil

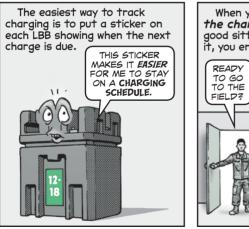
HEMTT Boom Control Valve

If you've tried to order the replacement HEMTT A2 boom control valve, NSN 4810-01-210-8868, shown as Item 1 in Fig 424 of TM 9-2320-325-14&P in IETM EM 0289 (May 09), it's a terminal item in FED LOG. Some units have resorted to ordering the whole assembly, but that's expensive. Instead, use a HEMTT A4 boom control valve, NSN 4810-01-643-9029. It will also work on the A2.

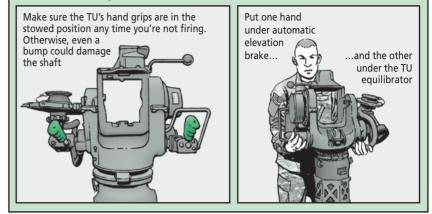
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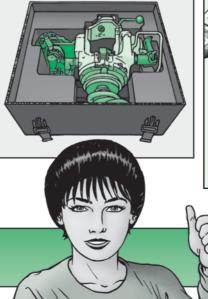
Dear Editor, These Improved Target Acquisition System (ITAS) tips will help ITAS stay on target: • Don't forget the battery charger. PS has pointed out repeatedly the importance of charging the lithium battery boxes (LBB) every month. If they sit for months without being charged, LBBs develop imbalanced battery cells. It takes longer and longer (sometimes days) to charge them and eventually they can't be charged at all. Then you have to pay more than \$30K for a new LBB.



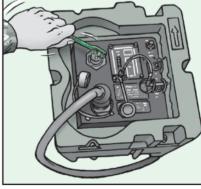
When you deploy, remember to take the charger. It won't do you much good sitting in the motor pool. Without it, you end up with dead batteries. READY TO GO TO THE FIELD? I WILL BE - AS SOON AS YOU PACK MY CHARGER. I NEVER GO TO THE FIELD WITHOUT IT. FIELD? • **Don't pick up the traversing unit (TU) by the hand grips.** That can snap off the hand grips' shaft. We always tell our people to grab green, not black. Put your right hand under the elevation brake and your left hand under the TU equilibrator.



• Don't force the TU into its case. It's a tight fit and you may need help maneuvering the TU. If you try to shove the TU in the case, you can damage the handles. Take your time!



 Before operations, clean the connectors with a toothbrush.
 It takes just a few minutes and can save you wasted time trying to figure out why you're getting system faults.



WO1 Salvadore Mora Ft Bragg, NC

THANKS, MISTER MORA, EXCELLENT TIPS FOR ITAS UNITS TO TARGET!



Dear Editor,

Each year, night vision devices (NVDs) and small arms sights suffer thousands and thousands of dollars of damage because they're stored with their batteries installed. The batteries leak and the acid damages or even ruins the NVDs and sights.

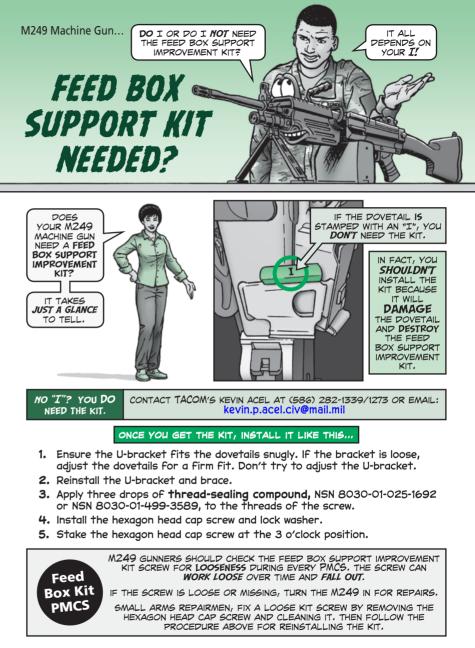
All this damage can be stopped with a simple change to the turn-in procedure:

Put a box for the batteries where the NVDs or sights are turned in, normally the arms room. Have Soldiers remove the batteries themselves. When they approach the arms room, they should have the NVD or sight in one hand and batteries in the other. If they don't, you know the batteries haven't been removed. Have the Soldiers put the batteries in the box.

When everything has been turned in, the batteries can be stored in the box itself.

CPL Ryan Latour Ft Hood, TX





DEC 18

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BOXES FOR AMMO AMNESTY



Our Soldiers sometimes come back from exercises with unused rounds they've forgotten to turn in. PS 704 (Jul 11) had an article on ammo amnesty boxes that Soldiers could use for anonymous ammo turn-in. But, unfortunately, the contact information in the article is no longer good. Is there any way to get the boxes?



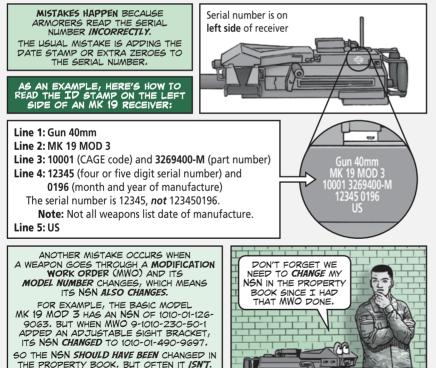
NSA 0640 and NSA 0641 are for anonymous ammo turn-in



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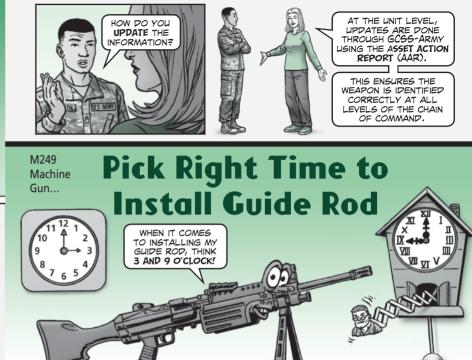


MANY ARMS ROOMS HAVE THE WRONG WEAPONS INFORMATION LISTED IN THE PROPERTY BOOK. THIS CAUSES HEADACHES FOR THE ARMORER WHEN IT'S TIME FOR INVENTORY OR TURN-IN.



AND THEN THE PROBLEMS START AT

INVENTORY OR TURN IN.

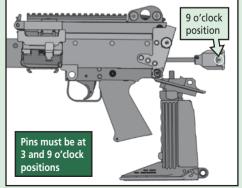


Soldiers are installing the M249 machine gun's guide rod assembly wrong. Eventually, that damages the receiver so much it must be replaced.

The guide rod has two pins. When you install the guide rod, they should be at the 9 and 3 o'clock positions. That way they lock the guide rod in the rear of the M249.

But if you install the guide rod with the pins at the 12 and 6 o'clock positions, the 6 o'clock pin penetrates the receiver during firing.

So when you install the guide rod, always think 9 and 3.



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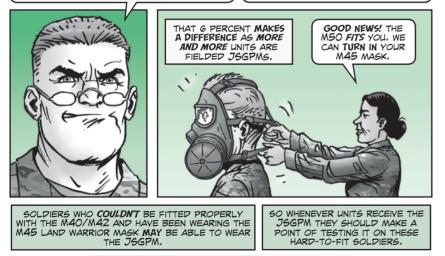


Mask Won't Fit? Try These Solutions

THE JOINT SERVICE GENERAL PURPOSE MASKS (JGGPM) ARE DESIGNED TO

FIT ALL BUT 4 PERCENT.

THE M40/M42 MASKS ARE DESIGNED TO FIT ALL BUT THE 10 PERCENT OF SOLDIERS WHO HAVE UNUSUALLY SMALL OR LARGE HEADS.



IF THE JSGPM FITS, THEY SHOULD TURN IN THE M45.

HOW SHOULD CBRN SPECIALISTS CHECK HARD-TO-FIT SOLDIERS FOR BOTH THE M40/M42 AND JSGPM? FIRST DO PMCS AND MAKE SURE THE MASK IS FITTED LIKE IT SAYS IN THE M40/M42'S TM 3-4240-3360-238P OR THE JSGPM'S TM 3-4240-542-138P.

NO LUCK? CHECK TB 3-4240-341-23, WHICH OFFERS FITTING SOLUTIONS. IT'S ON THE LOGGA ETM SITE: https://liw.logsa.army.mil/etmapp/#/etm/search

BUT BEFORE WORRYING ABOUT GETTING A DIFFERENT MASK, TRY THESE TIPS:

 Always use the M41 protection assessment test system (PATS) to test mask fit. Banana oil is much less accurate and may flunk a mask that actually does fit correctly.



 If a small mask is too big to create a good seal, readjust and tighten the head harness, then test with PATS again. Sometimes that's enough to do the trick. If it still flunks, make sure the head harness snaps back when stretched. Replace it if necessary.

No luck? Readjust and tighten head harness and test again



 Still no fit for the M40/M42? Try the M45 land warrior mask. It has an extra small size, NSN 4240-01-447-6989, that might do the trick. And the large M45, NSN 4240-01-447-6988, is slightly larger than the M40/M42 large.

In addition, the M45 has interchangeable nose-cups in sizes XS, S, M, L, and XL that can provide an even better fit. See TM 3-4240-348-20&P.



If M40/M42 won't fit, try M45 mask

IF A GOLDIER MUST WEAR AN M45 BECAUSE THE M40/M42 DOESNT FIT, HE'S AUTHORIZED BY TB 3-4240-341-23 TO KEEP THE M45 FOR THE REST OF HIS ACTIVE SERVICE. BUT, ONCE AGAIN, REMEMBER THAT A SOLDIER WHO COULDNT BE FITTEP WITH THE MAO/MA2 MAY BE ABLE TO WEAR THE J&GPM.

IF A SOLDIER **CAN'T** BE FITTED WITH THE **JSGPM**, THEN HIS UNIT SHOULD CONTACT THE EMAIL BELOW FOR HELP.





Dear Editor,

Crews for the Direct Support Electrical Systems Test Set (DSESTS) can save themselves thousands of dollars and lots of explaining with a simple check.

Before collapsing the DSESTS van, make sure the Combined Support Functions Module (CSFM) is stored in the General Purpose Interface Assembly (GPIA).

Crews often leave the CSFM sitting on the van's top shelf during operations. But if they forget to put it in the GPIA before collapsing the van, they not only destroy the CSFM (around \$250K), but also the wiring running along the van's ceiling and the shelf itself.

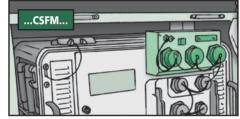
That's not going to make anybody happy, especially your CO. Taking five seconds to make sure the CSFM is in the GPIA is all it takes to prevent that.

CW2 Antonio Reyes Ft Hood, TX

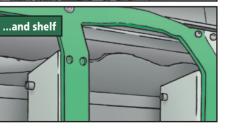
Editor's note: *Excellent tip, Chief. An easy way to remember this is to imagine explaining to your commander that you forgot.*

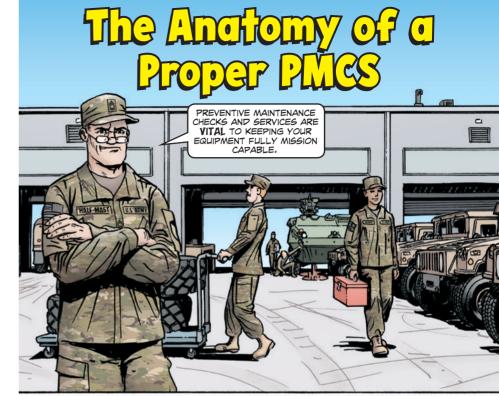
Store CSFM *Before* Collapsing DSESTS Van

Make sure CSFM is stored in GPIA before collapsing van or you destroy...





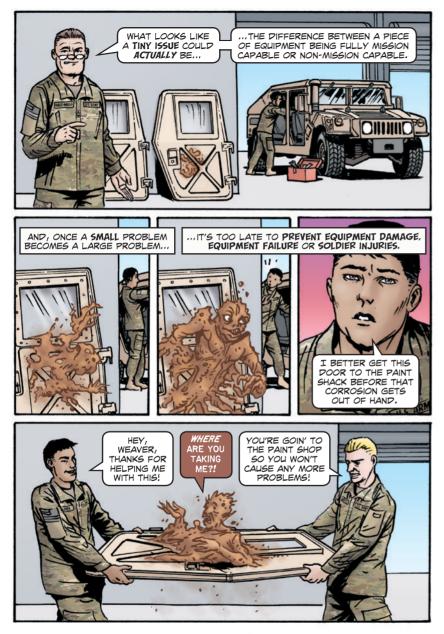




PMCS INCLUDES CARE, INSPECTION, DETECTION AND SERVICES THAT ALLOW YOU TO CATCH MINOR FAULTS BEFORE THEY BECOME MAJOR PROBLEMS.



PS 793





THEN LEADERS CAN ACCOUNT FOR AND TACKLE ANY MAINTENANCE ISSUES BEFORE THEY CAUSE PROBLEMS.



PROPER PMCS

HAS A LOT OF

MOVING PARTS

FROM THE UNIT

COMMANDER ALL

THE WAY DOWN

WHO'S TURNING THE WRENCH,

THERE ARE ALSO A FEW CRUCIAL POCUMENTS THAT ENSURE A SUCCESSFUL COMMAND MAINTENANCE PROGRAM...



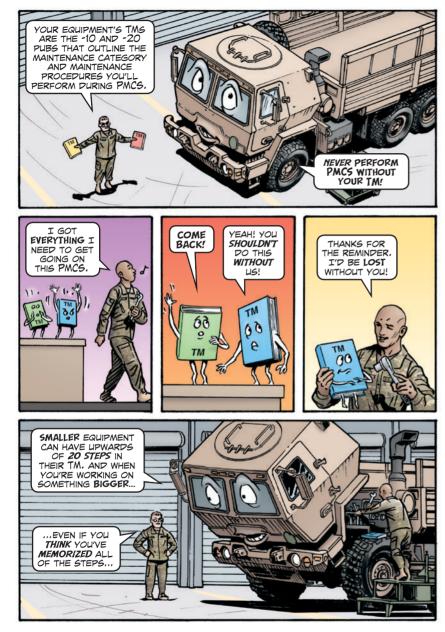
TM

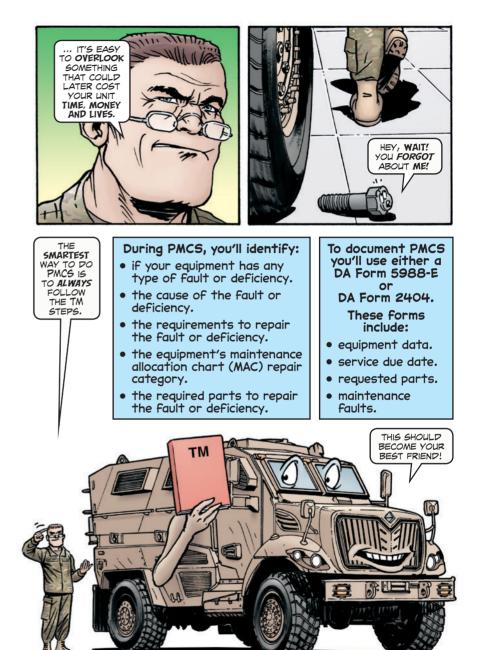


- Equipment technical manuals (TM)
- DA Form 5988-E Equipment and Maintenance Inspection Form
- DA Form 2404 Equipment and Maintenance Inspection Worksheet



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THAT'S WHERE YOU'LL FIND PREVIOUSLY IDENTIFIED PROBLEMS AND ADD ANY OTHER PROBLEMS YOU FIND DURING PMCS.

X: Equipment is not FMC

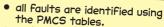
ℜ: Indicates a deficiency. However, equipment may be operable under specific limitations as directed by the commander until corrective action is accomplished.

/: Indicates a material defect other than a deficiency that needs correction to make the item completely serviceable.

-: Inspection, check or MWO is due, but not accomplished.

Initials: Indicate when an item has been corrected or verified. The mechanic initials corrected faults, the motor sergeant initials the after review form and the commander initials the limited operations entry.



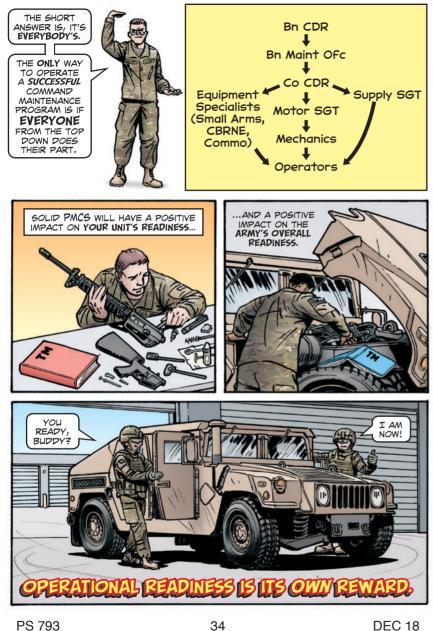


- on-hand parts are installed and maintenance is complete.
- necessary parts are requisitioned.
- a work request is submitted for higher maintenance actions.
- all services are performed all modification work orders (MWO) are applied.
- all basic issue items (BII)/ components of end items (COEI) are on-hand and serviceable or requisitioned.





PS 793





MECHANICS, WHEN FIGHTING TO PROTECT YOUR CHINOOK FROM THE ONSLAUGHT OF CORROSION, YOU NEED ALL THE TOOLS YOU CAN GET!

AIRCRAFT COVERS ARE A NECESSARY PART OF YOUR AIRCRAFT PROTECTION ARSENAL. SURE, THEY'RE HARD TO USE. BUT WITHOUT THEM, YOUR AIRCRAFT IS VULNERABLE.

THE CHINOOK AIRCRAFT COVERS HAVE HIGH VAPOR TRANSFER RATES AND SHIELDING PROPERTIES THAT PROVIDE ENVIRONMENTAL AND CORROSION PROTECTION. THAT MEANS THERE'S NO SWEATING UNDER THE COVERS THAT CREATES AN ENVIRONMENT



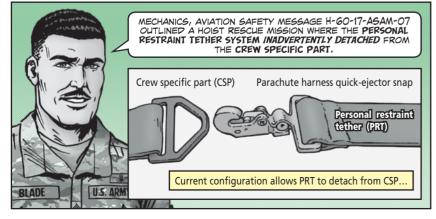
Item	NSN 1730-	PN
Cover, aircraft ground	01-593-9707	CH-47-202
Cover, fwd rotor hub	01-593-9690	CH-47-063
Cover, aircraft ground	01-593-9716	CH-47-068
Cover, aft rotor hub	01-593-9723	CH-47-064
Cover, set	01-593-9684	CH-47-067
Cover, aircraft ground	01-593-9711	CH-47-075
Cover, aircraft ground	01-593-9702	CH-47-076
Cover, aircraft ground	01-593-9729	CH-47-073
M130 flare cover, right-hand	01-594-2207	CH-47-074
Cover, aircraft ground	01-593-9515	CH-47-150
Cover, console set	01-593-9662	CH-47-127
Cover, aircraft ground	01-593-9697	CH-47-124
Cover, aircraft ground	01-593-9736	CH-47-128
Cover, aircraft engine	01-593-9359	CH-47-060
Cover, aircraft engine	01-593-9488	CH-47-059

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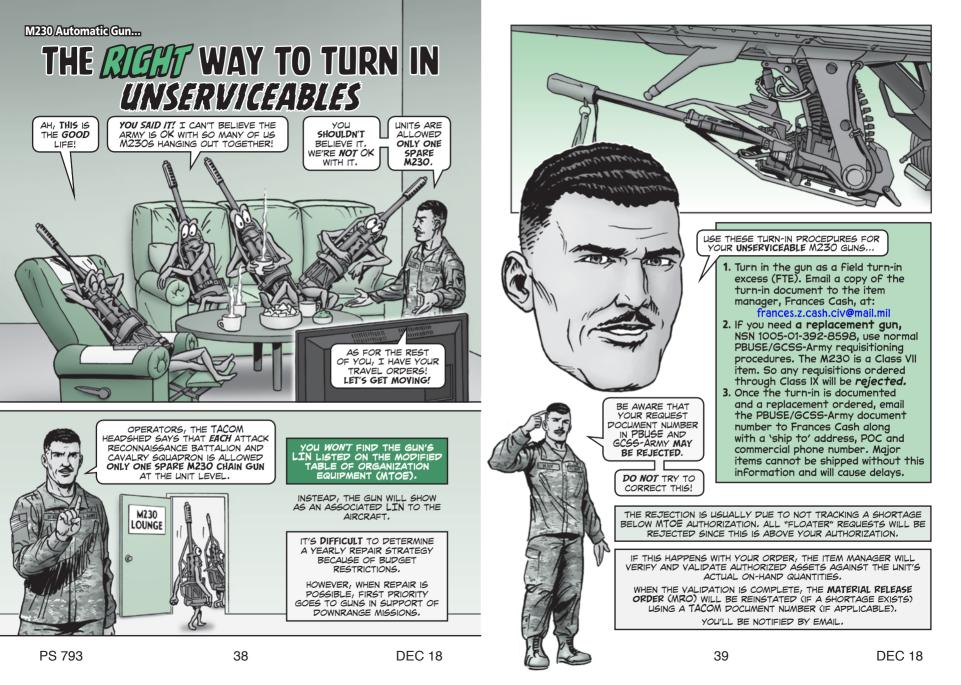
H-60 Series...

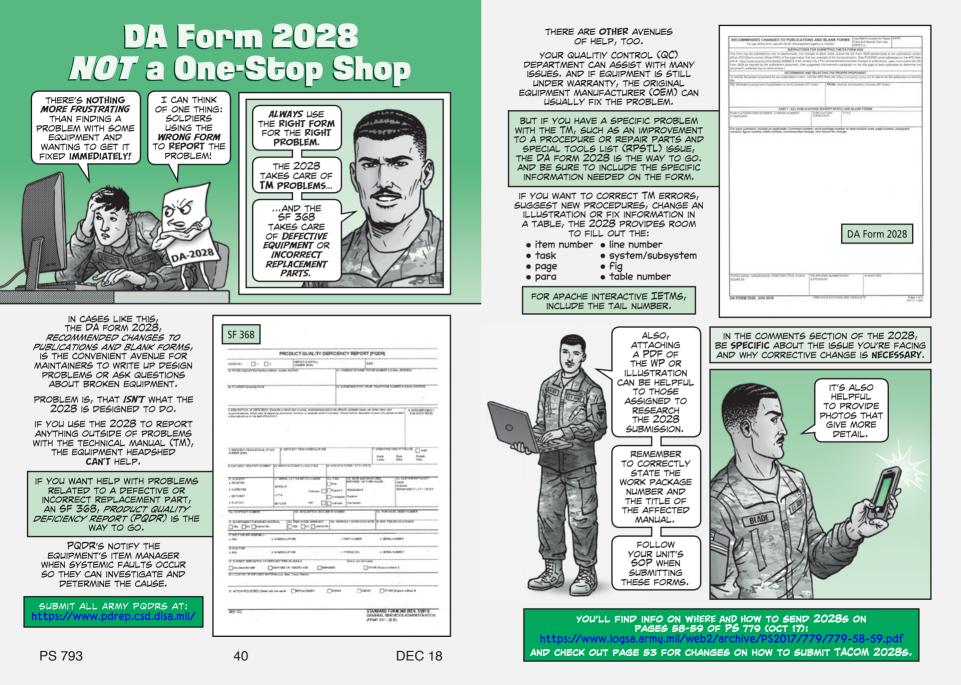


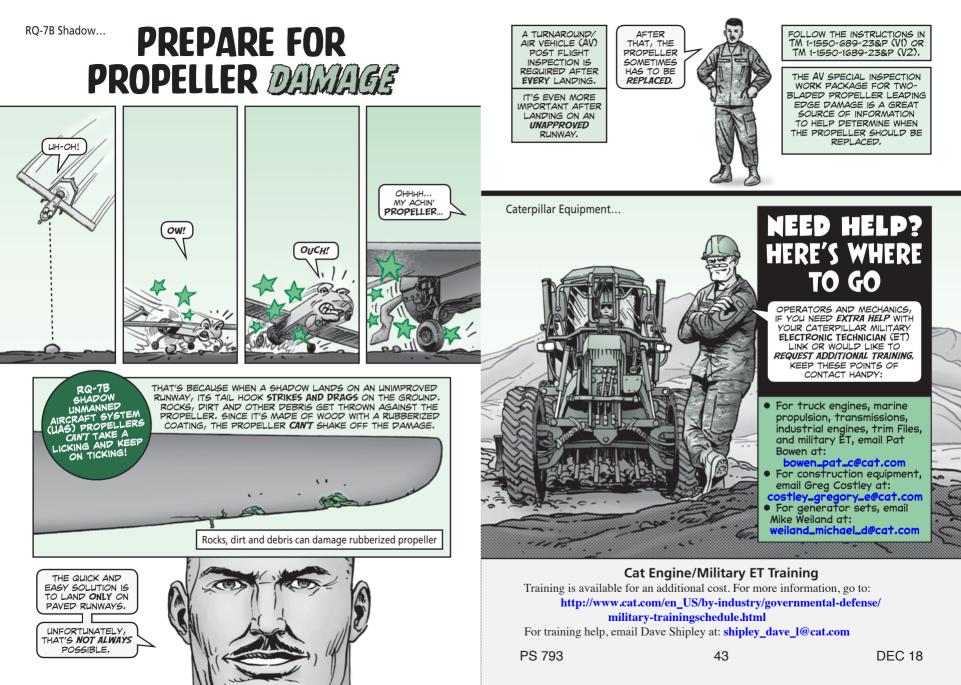




THE EJECTOR SNAP AND CSP GOT TWISTED OR SNAGGED ON ANOTHER PIECE OF EQUIPMENT. AFTER AN INVESTIGATION, PM AIR WARRIOR DETERMINED THAT DYNAMIC ROLLOUT CAUSED THE PRT PARACHUTE HARNESS QUICK-EJECTOR SNAP TO RELEASE FROM THE CSP ...follow this ASAM setup to prevent dynamic rollout Crew Lockable Oval steel Place three (3) wraps of 0.040 inch safety wire specific screw link around the ejector snap quick release tab carabiner KN-31 part rating or higher (9mm) Parachute harness guick-ejector snap (CSP) Personal restraint tether (PRT) CHECK OUT THE ASAM MESSAGE FOR MORE DETAILS. UNITS WILL RECEIVE ONE ALSO, AS A RESULT OF THE ASAM, PM AIR WARRIOR DEVELOPED AND IS ISSUING UNITS NEW PRT FOR EACH NON-RATED PERSONAL RESTRAINT TETHERS FOR FREE. CREWMEMBER, New PRT can be set up with... ... or without carabiner in middle TO HELP THE HEADSHED BUILD A CONTACT LIST FOR DISTRIBUTION, PROVIDE THE FOLLOWING INFORMATION: Unit POC (name, phone number and email) ALSE Shop POC (name, phone number and email) Unit DODÁAC EMAIL THE INFO TO: Unit Shipping Address tracy.d.hicks.civ@mail.mil BE ON THE LOOKOUT FOR NEW PRTS! **DEC 18**







D7R II Dozer... GET BROKEN STABILIZER MOUNTING BOLT REPLACED FREE



Departors, take a minute to eyeball the condition of the Grade 5 mounting bolts on your D7R II dozer's stabilizer link.

See a busted bolt? Your maintenance tech can have it replaced at no cost by contacting a local CAT dealer. Find yours by searching at:

https://www.cat.com/en_US/support/dealer-locator.html

The dealer will replace the left- and right-hand mounting bolts with a Grade-8 bolt, NSN 5306-01-580-2030, and torque it to 430 lb-ft.

This warranty repair is only available to dozers with serial numbers KNA01530 through KNA01733. Use CAT service letter PS45607 to schedule the repair.

All travel and mileage costs are covered by Caterpillar, too. If there are any problems, have your local dealer contact the CAT Corporation's Greg Costley at (309) 578-3295 or by email at: **costley_gregory_e@cat.com**

The last day to have this free service repair is 30 Sep 2019.



Deperators, it's a real easy mistake to make: You hop in the cab and start cranking on the engine starter, but your D7R II dozer doesn't start and you're going nowhere.

D7R II Dozer...

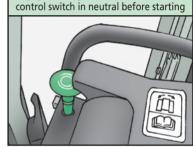
Don't Make a

Parking Brake

Misiaka

And guess what? You can try all day long—or at least until the battery goes dry or the starter burns out—but unless you engage the parking brake and the transmission control switch is in neutral, that dozer ain't startin'!

If this happens to you, make the parking brake and transmission control switch your first check. It just might make for a much less stressful day.



100000/000

Engage parking brake with transmission

NO BRAKE,

NO NEUTRAL

NO START.

EAGY AG

THAT.

D7R II Dozer... Pay Attention to Messenger Display Codes



OPERATORS, THE D7R II'S MESSENGER DISPLAY PROVIDES A SERVICE CODE MENU TO HELP DIAGNOSE VEHICLE SYSTEM MALFUNCTIONS.

SO AFTER START UP, MAKE A POINT TO JOT DOWN ANY ERROR CODE NUMBERS THAT POP UP.

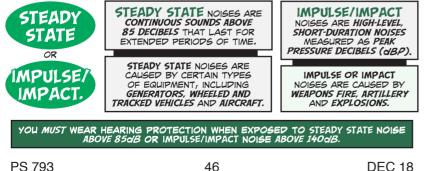
THEN TELL FIELD MAINTENANCE SO THEY CAN MAKE A PROPER DIAGNOSIS.

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THE TWO MOST COMMON TYPES OF NOISE HAZARDS YOU'LL ENCOUNTER ARE:



IF YOU'RE RIDING IN A HMMWV OR FIRING A RIFLE OR HANDGUN, YOU'RE USUALLY FINE WITH EAR PLUGS OR NOISE MUFFS.



Steady state noise requires one form of hearing protection

NOT SURE HOW MUCH HEARING

PROTECTION YOUR OPERATING ENVIRONMENT

CALLS FOR?

SOME VEHICLES, AIRCRAFT AND WEAPON SYSTEMS REQUIRE ROUBLE HEARING PROTECTION. THAT MEANS A COMBINATION OF EAR PLUGS AND NOISE MUFFS.



Some environments require double protection

YOUR OPERATOR'S MANUAL WILL INDICATE THE LEVEL OF PROTECTION REQUIRED OR YOU CAN CONSULT DA PAM 40-501, ARMY HEARING PROGRAM. WORK WITH YOUR POST HEARING PROGRAM MANAGER OR UNIT HEARING PROGRAM OFFICER TO DETERMINE THE PROPER LEVEL OF HEARING PROTECTION.

NEED A COPY OF DA PAM 40-5017 GET IT HERE: http://armypubs.army.mil/epubs/DR pubs/DR a/pdf/web/p40 501.pdf

New JECP SKI TM

TM 3-6665-431-13&P for the Joint Expeditionary Collection Protection (JECP) Family of Systems (FoS) is now available. It covers the Structure Kit-Improved (SKI), which is a standalone protection shelter designed to be used in a chemical, biological, radiological (CBR) environment for Rest and Relief (R2) and Command and Control (C2). The SKI can also be actively connected to other SKI systems. The TM covers SKI NSNs 4240-01-652-3174, -3185, -3176 and -3182. Distribution is restricted, so you'll need to log in to the Logistics Information Warehouse with your CAC at: https://liw.logsa.army.mil/ Then choose the "FTM/IFTM" icon and search for the TM.

Army Training Devices Catalog

The Program Executive Office for Simulation, Training and Instrumentation (PEO STRI) published the PEO STRI Index and Description of Army Training Devices Catalog (Mar 18). It gives an overview of available Army-wide training devices. It replaced DA Pam 350-9, Index and Description of Army Training Devices (May 10). The catalog is available on AKO. You'll need to sign in with your CAC. Go to:

https://www.ako1.us.army.mil/suite/files/49994342



GRAPHIC TRAINING AID (GTA) 07-71-001, COMBAT SKILLS FOR SMALL UNIT LEADERS (APR 18), IS A POCKET-SIZED QUICK REFERENCE GUIDE.



PROCEDURES, CAMOUFLAGE AND MUCH MORE.

TO GET IT, VISIT: http://www.train.armu.mil/

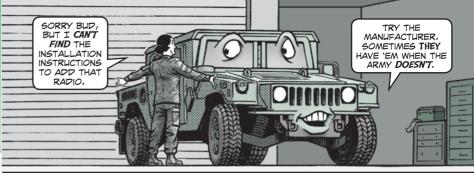
AND TYPE IN GTA 07-71-001. CLICK SEARCH THE CAR **CVC Helmet Shell NSN Updates**

GTA-GRAPHIC TRAINING AID.

ON THE NEXT SCREEN,

CLICK START NEW SEARCH

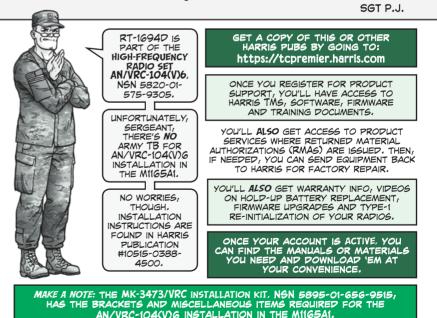
If you've tried to order a combat vehicle crewman (CVC) helmet shell with NSN 8470-01-389-3815 (small) or 8470-01-389-3821 (large), you've likely run into the brick wall of acquisition advice codes V and Y. That's because the small CVC helmet shell has been replaced by a medium shell, NSN 8470-01-631-7990, and the large shell is now NSN 8470-01-631-7993. Make a note of these changes.



FINDING HARRIS RADIO INSTALLATION INSTRUCTIONS

Dear Half-Mast.

I need to mount an RT-1694D in an M1165A1 HMMWV. I've searched for a TB without any luck. I've installed multiple SINCGARS and Blue Force Tracker vehicular systems, and they all have TBs with installation instructions. Where's the TB showing the correct mounting locations and other info for the RT-1694D vehicular mounting kits?



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Cover That STT, STAT!

Dear Editor,

When stationed in Hawaii as a CECOM LAR, I saw numerous equipment issues caused by moisture. Satellite transportable terminals (STTs) were especially affected.

After I came back to CONUS, I saw a white cover fully engulfing an STT. It fit as if it were part of the original fielded equipment. Since it was the first time I ever saw this cover, I hunted down more information about it.

I thought this pre-made weatherproof cover could also benefit units back in Hawaii by protecting their STTs, so I spread the word.

Although STT covers were eventually assigned NSNs, which have been available for about a year, I think only those who are lucky enough to be stationed in Hawaii are aware of them.

The cover gives STT components protection from the elements. Using a cover helps reduce issues caused by water, dust and UV light. STT covers have the potential to save thousands of dollars in damaged equipment, hours of down time and could possibly extend the life of existing equipment by reducing exposure.









The cover for STT versions AN/TSC-167, -185, and -202 is NSN 2590-01-659-8520. The AN/TSC-208's cover is NSN 5895-01-660-1672. Can you help me spread the word?

> Jeffery J. Curley Ft Hood, TX

Editor's Note: We just did, Sir! The Army's STT subject matter experts agree these covers are a smart bet. They were custom-made for the STTs WIN-T Increments 1 and 2 to protect them from the elements. Units, plenty of covers are still available, but that may change if there's a run on 'em!



Download the PS mobile app at the Android and Apple stores: do a search for *P.S. Magazine.*

Read PS online at:

https://www.logsa.army.mil/psmag/pshome.cfm Follow PS on Facebook:

https://www.facebook.com/armypsmagazine/

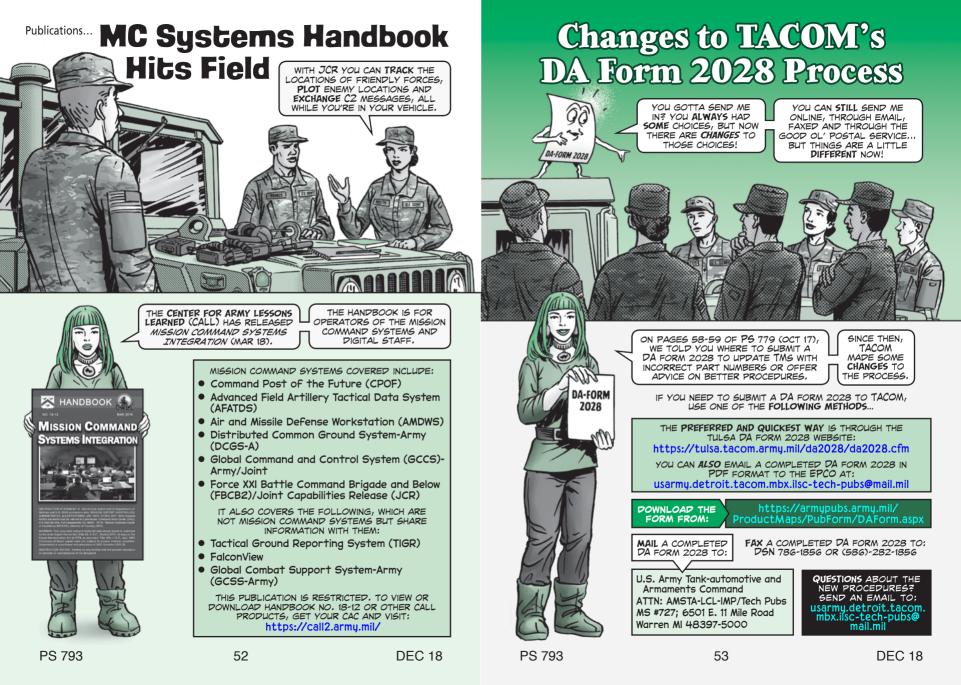
Follow PS Magazine/Half-Mast on Twitter:

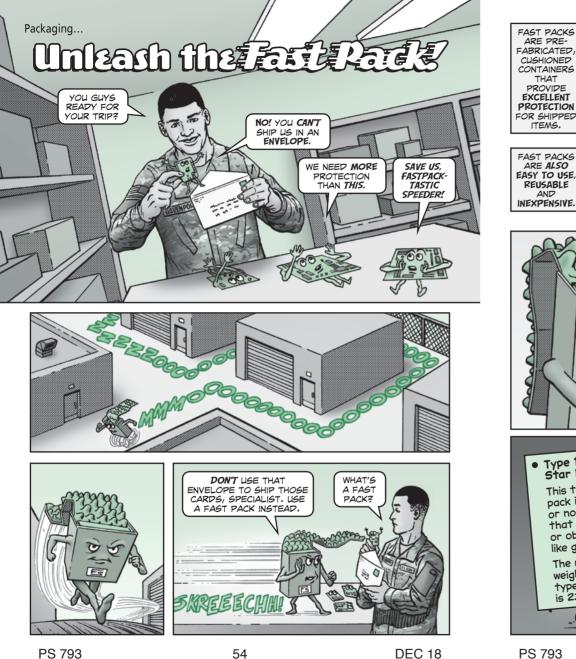
https://twitter.com/USArmyPSMag

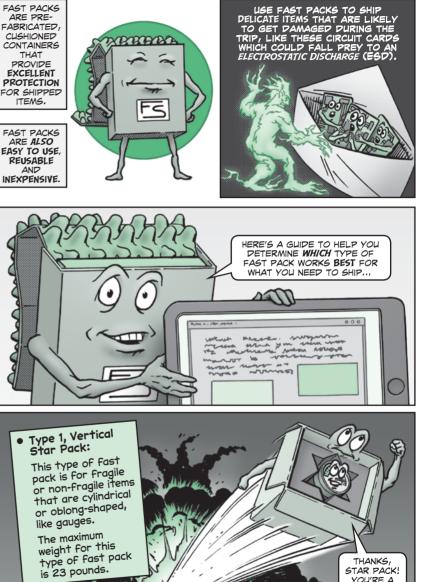
Email: usarmy.redstone.logsa.mbx.psmag@mail.mil



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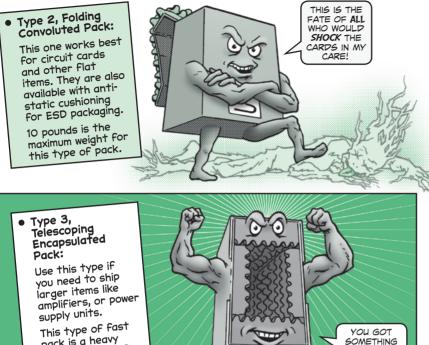


ARE PRE-

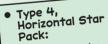


THANKS, STAR PACK!

YOU'RE A LIFE SAVER!



This type of fast pack is a heavy lifter, capable of shipping up to 90 pounds.

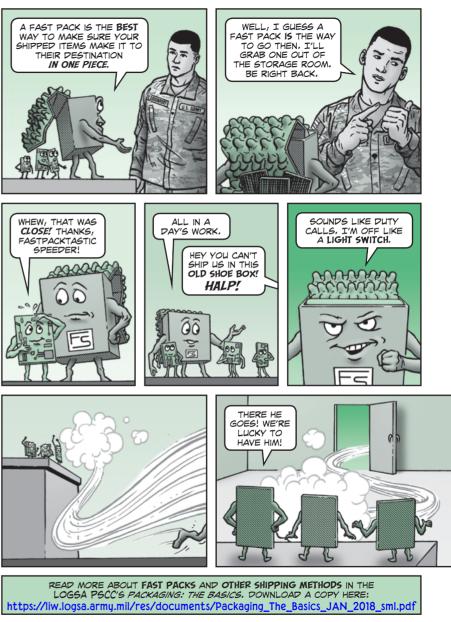


This pack works best on longer, rectangular items. Use this type of pack to ship voltage regulators, panels or transmitters.

The maximum weight for this container is 31 pounds.



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AND FOR FAST PACK NSNS, CHECK OUT PAGES 27-31 OF PS 752 (JUL 15):

https://www.logsa.armu.mil/web2/archive/PS2015/752/752-27-31.pdf

DEC 18

HEAVY? I'M

YOUR PACK!



<section-header><section-header><image/><image/><image/></section-header></section-header>	Vou can ALSo use the Alt or Alt pesktor bucations. Liber Heim To: Bereform a bin-to-bin transfer Biok or unblock bin.
 post goods receipts. perform a post goods issue. query your stock. post customer receipts. post customer receipts. post inventory counts. confirm the cross-dock transfer order. confirm transfer orders to the warehouse bin. 	SWICE Online Training
WHEN YOU'RE USING THE GC66-ARMY AIT PORTAL, KEEP THESE TRANSACTION COPES IN MINP MIGO: Processes a material document change. Use this transaction to post found on installation items (FOIs) Condition Code Changes (309) and processing documents. VL06i: Shows a list of inbound deliveries awaiting Post Goods Receipt	THE SMART WIRELESS INTERNAL COMBLISTION ENGINE SPIRAL 3 PLAGNOSTIC TEST EQUIPMENT HELPS MECHANICS DETECT, ISOLATE AND REPAIR
CPGR) at either customer or SSA level.ZMB59:List of Material Documents posted. These reflect actual inventory differences at the IM level, not the warehouse (bin) level. There are movement types for every change to inventory completed.	ICE SYSTEMS AND SUBSYSTEMS.
2PROSTAT: Shows a list of Purchase Orders/Stock Transport Orders (POs/ STOS) created in the system. This report can also be used to create a reconciliation report in wave 1 for customers. Report displays both open and closed orders.	
VLO2N: Changes an Outbound Delivery. You can also perform a Post Goods Issue (PGI) using this transaction code.	The SWICE SP 3 connects with the Maintenance Support Device version 3 (MSD-V3)
CONPUCTING A STOCK OVERVIEW? USE THESE Allows you to view on-hand (O/H) balance for a material by storage location/material requirements planning area (SLOC/MRP area). It also allows you to view at both the IM- and WM- levels.	and the equipment tested to perform standard voltage, current, resistance, pressure and rpms and capture digital diagnostic data. A course on using the SWICE SP 3 is offered through milUniversity: https://www.milsuite.mil/university/msd-training-class/courses/smart-wireless-
T-COPES: Use a material stock situation by warehouse, storage type or bin.	internal-combustion-engine-swice-sp3-net-course/ You'll need your CAC to register.
LS24: View a material stock situation at the warehouse bin level.	PS 793 59 DEC 18

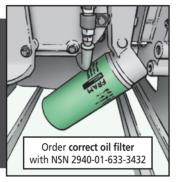


TM CONFUSES HMMWV TOW BAR BRACKET WITH SPRING TENSION WASHER

A misprint in Fig 209 of TM 9-2320-387-13&P in IETM EM 0323 (Mar 14) may cause confusion if ordering HMMWV replacement tow bar brackets. Items 15 and 16 are transposed. The **tow bar brackets**, NSN 2540-01-599-0075, should be labeled as Item 15 while Item 16 is the **spring tension washer**, NSN 5310-00-595-7486.

Order *Right* M113 FOV Oil Filter!

When ordering a new oil filter for the **M113 FOV's 6V53 engine**, *always* use NSN 2940-01-633-3432 (PN PH3612). It replaces NSN 2940-01-197-7106 (PN FL804FP), which is shown as Item 9 in Fig 24 of TM 9-2815-205-24P. The old oil filter has a high rate of failure that can lead to engine fires. Make a note until the TM is updated.



HEMTT Load Test Guidance

Get crane load test instructions for the HEMTT A0 in TM 9-2320-279-14&P in IETM EM 0290 (Jun 09) and for the HEMTT A2 in TM 9-2320-325-14&P in IETM EM 0289 (May 09). Refer to TM 9-2320-326-13&P in IETM EM 0288 (Dec 15) for the HEMTT A4 fleet. In each IETM, look for "Load Test Procedures for Grove M977, Grove M984A, and Grove M985 Cranes."

M149A2 Trailer Landing Leg NSN

Items 1 and 27 in Fig 16 of TM 9-2330-267-13&P are reversed. Item 1 should be the complete landing leg described as "Support Retractable," NSN 2590-01-183-6816. This NSN brings an assembly that includes Items 1–34. Item 27 should be "Leg Semitrailer Ret," NSN 2590-01-254-6554, which is a down part to the landing leg. Make a note until the TM is updated.

H-GO Series Unserviceable Rig Connecting Links Needed

The supply system is in critical need of unserviceable **rig connecting links**, NSN 3040-01-197-1745 (PN 70400-08110-060), for the H-60 Series. Turn in this needed asset as they become available. The part is needed now for a repair program. Without turn-ins, you might not get the repaired part you need for your helicopter later.

MOBILE APP FOR RECOVERY OPERATIONS

The direct recovery operations (DRO) mobile app is now available. It calculates resistances such as mire factors and accurate fall line force (FLF). It also provides the automatic mechanical advantage adjustment if the FLF exceeds the recovery vehicle's winch capacity. And the app calculates the weights of more than 200 vehicles. Download the app for your Android and Apple devices at the Google Play Store and Apple Store. Search for Direct Recovery Operation.

Bulk Tie-Down Cord

Replacing frayed or broken cargo cover tiedown cord is a lot cheaper when you order it in bulk with NSN 4020-01-545-0772. That NSN brings a **200-ft roll of** ³/₈-in elastic cord for about \$61.

MEP-805B 30-KW FUEL INJECTION PUMP

Order a new fuel injection pump for the MEP-805B 30-kW generator with NSN 2910-01-476-8668 (PN RE505411). It replaces the pump shown as Item 4 (PN RE67563) in Fig 1 of TM 9-2815-259-24P (Nov 00). Make a note until the next TM update.

PSCC HELPS WITH TRANSPORTING HAZMAT

Turn to LOGSA's Packaging, Storage, and Containerization Center (PSCC) if you need help when transporting HAZMAT. PSCC provides advice on HAZMAT packaging and handling. Call PSCC for help:

(570) 615-7756 or DSN 795-7144 Or send them an email:

usarmy.tyad.usamc.mbx.pt@mail.mil

ECU Systems Turn-in from Germany/OCONUS

On Page 51 of PS 787 (Jun 18), we alerted you to the OCONUS ban of R22 refrigerant in Environmental Control Unit (ECU) systems. An important update is that units in Germany/ OCONUS should only send inoperable ECU systems to Tobyhanna Army Depot (TYAD). **Don't** open any ECU systems containing R22. Instead, ship them to:

TYAD: RIC: BY6 PLANT: 7000 DODAAC: W25G1W XR W1BG UEF DIST DEPOT TOBYHANNA MYERS AND SECOND STREETS WAREHOUSE 2 BAY 1 TOBYHANNA, PA 18466-5059 Forward a copy of all shipping documents prior to shipment to:

sydney.w.mapp3.civ@mail.mil

Questions? Contact Fran Munley at (570) 615-7344, email: francis.munley@dla.mil Or Joseph Malloy at (570) 615-7917, email: joseph.malloy@dla.mil

FSC-2 NSN Correction

On Page 54 of PS 789 (Aug 18), the FSC-2 NSN is missing a digit. It should be 7360-01-496-2112.



PMCSthe gift that keeps on giving!

