



ISSUE 772 MAR 2017





TACTICAL VEHICLES

FMTV, M142 HIMARS Loose Starter Bolts HMMWV Load Range D and E Tire Guidance HMMWV Alternator Components POL Products Guide



CONSTRUCTION EQUIPMENT

MELs for Construction Equipment 17-2



AVIATION

UH/HH-60A/L/M, Authorized MEDEVAC Devices 21
UH-72A Lakota Deck Damper Installation 25
UH/HH-60M Dynamic Rollout Prevention NAVSOLVE Approved for Cleaning 27

	SMALL ARMS	32
	M16-Series Rifle, Repair, Don't Replace, BUIS Small Arms Gaging Pubs	33 33
	MK19 Machine Gun TM Ammo Loading Fix M249 Machine Gun Gas Assembly Scraper NSN	34 34
2	MISSILES	35
-	Patriot PM Tips	35-37
3 4-5 6-8	CBRN	38
9	AN/PSS-14 Mine Detector Advice JACKS the Source for CBRN Answers	38-40 41-42
10 I-13	COMMUNICATIONS	43
1-15 15	150-kW Generator Service Kits	44-45
.5	Lithium Battery Air Shipment Rules JBC-P Keyboard Replacement	46-47 47
	840-kW TOGs Added to AOAP	47
16	Night Vision Goggles Protective Pouch	49
7-20		
21	SOLDIER SUPPORT	50
	Unit Patches for OCP Uniforms	51-54
2-25 5-26	Combat Application Tourniquet (CAT) Updated PS Mag Live	55-56 56
7-30	PS Magazine Info Is Official. But Optional	57

TB 43-PS-772, 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. Aplication 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.

PS, The Preventive Maintenance Monthly (ISSN 0475-2953) is published monthly by the Department of the Army, Redstone Arsenal, AL 35898. Periodical postage is paid at the Huntsville, AL post office and at additional mailing offices. Postmaster: Send address changes to PS, The Preventive Maintenance Monthly, USAMC LOGSA (AMXLS-GP), Blda, 3303, Redstone Arsenal, AL 35898.

You are invited to send PS your ideas for improving maintenance procedures, questions on maintenance and supply problems and questions or comments on material published in PS.

Just write to:

MSG Half-Mast PS, the Preventive Maintenance Monthly USAMC LOGSA (AMXLS-GP) Bldg. 3303 Redstone Arsenal, AL 35898

Or email

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

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

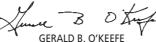
By order of the Secretary of the Army:

COSIS Inspections Vital to Readiness

MARK A. MILLEY

General, United States Army Chief of Staff

Official:



Administrative Assistant to the Secretary of the Army

1634804



Buyer Beware!

TODAY, YOU CAN
BUY IMITATION MILITARY
GEAR FROM ARMY SURPLUS
STORES, SPORTING GOODS
STORES, CATALOGS AND
WEBSITES.

THOUGH SOME PRODUCTS MAY LOOK LIKE AUTHENTIC ARMY ISSUE, CHANCES ARE THEY DON'T MEET ARMY STANDARDS.

THEY MAY **NOT** WORK AS WELL OR LAST AS LONG. THEY MAY EVEN POSE A **HEALTH OR SAFETY HAZARD**.

BEWARE OF PRODUCTS SUCH AS THESE

COMMERCIAL HEATERS, INCLUDING UNVENTED KEROSENE OR PROPANE HEATERS.

THEY DON'T MEET ARMY SPECS, SOME MODELS EMIT CARBON MONOXIDE GAS THAT CAN KILL YOU, SOME TEND TO LEAK OR TIP OVER.

CHOOSE INSTEAD A HEATER FROM THE FAMILY OF SPACE HEATERS (FOSH).





EYEWEAR NOT APPROVED BY THE ARMY.

EVEN IF IT'S A WELL-KNOWN BRAND, IT WON'T OFFER THE PROTECTION A COMBAT SOLDIER NEEPS, GO ONLINE TO PROGRAM EXECUTIVE OFFICE (PEO) SOLDIER FOR THE AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL), ALL EYEWEAR ON THE APEL OFFER BALLISTIC FRAGMENTATION AND ULTRAVIOLET PROTECTION: http://peosoldier.armu.mil/equipment/euewear/

"KNOCK-OFF" ARMY UNIFORMS.

THEY MAY LOOK LIKE THE REAL THING, BUT THEY'RE FAKE. BECAUSE THEY DON'T MEET ARMY SPECS, THEY MAY NOT MEET APPEARANCE OR PURABILITY STANDARPS. SEAMS MIGHT FAIL, FABRIC RIP, OR COLORS FAPE.
WHEN THE KNOCK-OFFS WEAR OUT, THE ARMY ISN'T OBLIGED TO SUPPORT OR EXCHANGE THEM. YOU'RE BETTER OFF GETTING A GENUINE UNIFORM THROUGH ARMY SUPPLY CHANNELS.

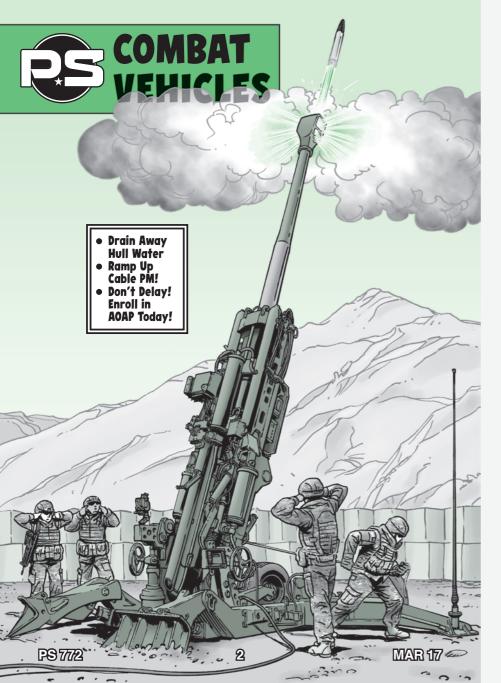


SO STEER CLEAR OF PRODUCTS THAT DON'T HAVE ARMY APPROVAL.

THEY'RE USUALLY INFERIOR AND DON'T PASS MUSTER. OFTEN THEY'RE NOT SUPPORTED WITH TMS, REPAIR PARTS, MAINTENANCE PROCEDURES OR PMCS.

NOW THAT'S ENOUGH TO MAKE ANY BUYER BEWARE!

PS 772 1 MAR 17



M113-Series DRAIN AWAY HULL WATER

ONCE WE'RE ON THE OTHER SIDE, I'LL TURN ON THE BILGE PUMP TO DRAIN YOUR HULL. NO! WAIT TILL WE'RE BACK AT THE MOTOR POOL... AND PUSE MY DRAIN PLUGS!

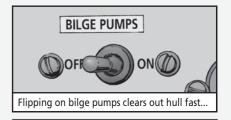
Water collecting in the hull of your M113A3 is gonna happen, especially when it rains or during fording. Question is, how do you drain it?

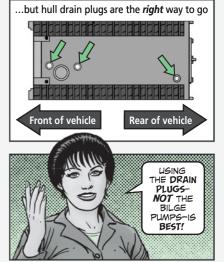
Don't use the bilge pumps. A lot of drivers do it that way 'cause all they have to do is just flip the bilge pump switch, wait a few minutes and all that water is gone. It's the easy way but also the **wrong** way.

Problem is that nasty stuff like fuel, grease and antifreeze mix with the water to create a cocktail of hazardous material. And as soon as you flip the bilge pump switch, all that gunk ends up on the ground. That's very bad for the environment!

The right way is to use the hull drain plugs—two at the front and one at the back. Just make sure you do it back at the motor pool by the oil/water separator at the wash rack. That'll take care of the HAZMAT problem.

Putting a tarp over your vehicle when it's parked will keep a lot of the water out of the hull in the first place.





PS 772 3 MAR 17



Dear Half-Mast,

As a mechanic, I see a lot of M113-series vehicles with ramp problems because their crews don't do PM on the ramp cable. What's the best way to take care of those cables so our ramps keep working? SSG B.A.E.



A FRAYED, BROKEN OR WORN OUT RAMP CABLE IS DEFINITELY BAD NEWS, SERGEANT, 'CAUSE A RAMP THAT CAN'T BE RAISED OR LOWERED MEANS THE VEHICLE IS NMC!

WHEN THE RAMP IS COMPLETELY RAISED THE CABLE RETRACTS UNDER THE FLOOR PLATES.

ANY WATER THERE SOAKS THE CABLE AND WASHES AWAY ITS LUBRICATING GREASE.

DIRT AND MOISTURE CLING TO THE WIRE STRANDS AND GIVE CORROSION A FOOTHOLD.

YOU CAN PUT A QUICK STOP TO THAT BY GIVING THE CABLE A GOOD CLEANING EVERY SIX MONTHS OR 1,500 MILES.

YOU MAY NEED TO CLEAN MORE OFTEN IF YOU'RE IN AN AREA WITH HIGH HUMIDITY.



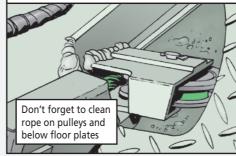
1. With the ramp in the fully open position, use a general purpose scrub brush and cleaning compound, NSN 6850-00-227-1887, to clean the cable. Give it a good, hard brushing in the direction of the wire strands to remove dirt and debris.



Never use a wire brush to clean the ramp's cable. A wire brush will destroy the protective galvanized finish on the wire strands. Rust will rear its ugly head soon after.

2. Raise and lock the ramp. Clean the remaining portions of the cable from inside the vehicle. Again, use a general purpose brush and cleaning compound to do the job

Make sure you clean all of the cable, including what's wrapped around the pulleys and hidden underneath the floor plates.



- 3. Wear leather gloves to protect your hands as you dry the cable. Using a wiping rag, make sure you wipe in a spiraling motion, following the direction of the strands to remove all the cleaning compound. The cable should be completely dry when you're done.
- 4. With the ramp fully open, and again with the ramp in the closed and locked position, give the cable a light coat of CW-II (chain, wire rope and exposed gear grease). Get a 10-lb can with NSN 9150-01-534-7828 or a 35-lb can with NSN 9150-00-530-6814.
- 5. Wipe off any excess CW-II with a clean wiping rag.







PS 772 **MAR 17** Stryker...

** Don't Delay! Enroll in AOAP Today!



IN CASE YOU HAVEN'T HEARD, STRYKERS HAVE JOINED THE ARMY OIL ANALYSIS PROGRAM (AOAP) CLUB!

UNITS ARE NOW REQUIRED TO PULL OIL SAMPLES FROM STRYKER ENGINES AND TRANSMISSIONS ON A REGULAR BASIS.



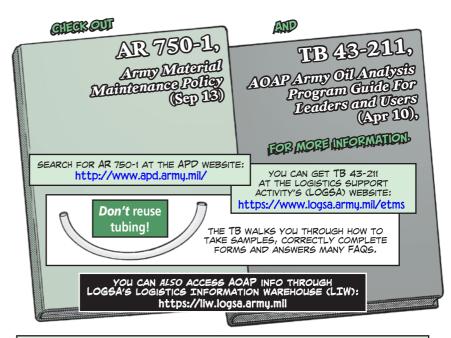
SAMPLES FROM THE CATERPILLAR C7 AND CATERPILLAR 3126 ENGINES ARE NEEDED EVERY SIX MONTHS OR 3,000 MILES, WHICHEVER COMES FIRST. THE TRANSMISSION SAMPLE INTERVAL IS ONE YEAR OR 6,000 MILES, WHICHEVER COMES FIRST.

Use AOAP sampling bottles ONCE and **don't** substitute



DRAWING AN AOAP SAMPLE TAKES JUST A LITTLE TIME AND EFFORT. BUT IT CAN HELP SAVE EQUIPMENT, HOURS OF MAINTENANCE DOWNTIME, AND POTENTIALLY LIVES.

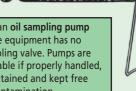
AOAP ALSO GIVES COMMANDERS VITAL INFORMATION ABOUT THE CONDITION OF THEIR UNIT'S EQUIPMENT AND QUALITY OF MAINTENANCE SERVICES.

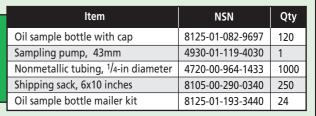


IF YOU'RE TASKED TO BE YOUR STRYKER UNIT'S AOAP MONITOR, MAKE SURE YOU:

- know when and what equipment is to be sampled and stay on schedule.
- follow safety procedures.
- draw reliable, uncontaminated samples.
- fill out forms completely, clearly and correctly.
- mail or deliver samples and paperwork immediately.
- follow lab recommendations for re-sampling and maintenance.
- give the lab feedback when requested.
- keep accurate records.
- keep a 90-day supply of the following AOAP sampling supplies on hand:

Use an oil sampling pump if the equipment has no sampling valve. Pumps are reusable if properly handled. maintained and kept free of contamination.









- Equipment TMs for reference, including AOAP TB 43-0211
- DD Form 2026, Oil Analysis Request (manual form), unless using automated DA Form 5991-E in SAMS-E/GCSS-A or ULLS-AE
- Nitrile gloves to prevent sample contamination and to protect hands from hazardous fluids:

Size	NSN 8415-	Qty
Small	01-492-0176	100
Medium	01-492-0179	100
Large	01-492-0178	100
X-Large	01-492-0180	100

Clean cloths or rags

PM AOAP OFFERS DETAILED MONITOR TRAINING THAT COVERS ALL SAMPLING STEPS, FROM TAKING SAMPLES TO CORRECTLY COMPLETING AND SUBMITTING FORMS.

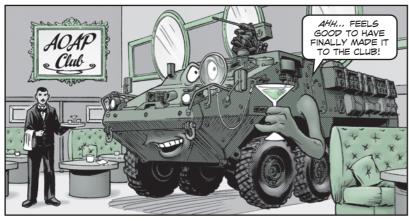
TO REQUEST TRAINING, CALL THE AOAP HOTLINE AT DSN 645-0866, (256) 955-0866, OR EMAIL: usarmu.redstone.logsa.mbx.aoap@mail.mil

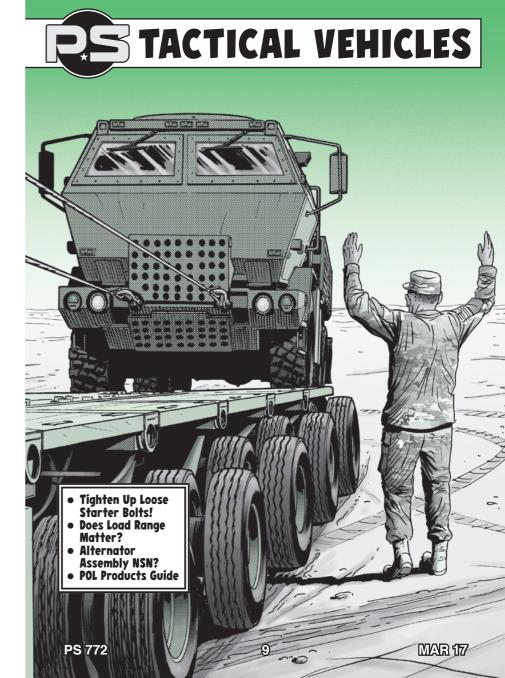
ALL STRYKERS
ARE REQUIRED
TO BE ENROLLED
IN AOAP
NO LATER THAN
MAY 1, 2017.

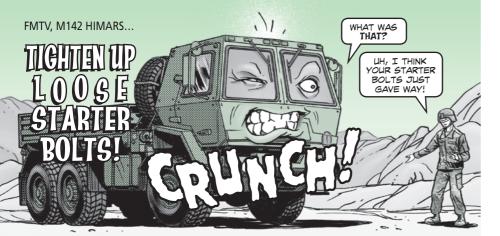
PS END

SEE TACOM MAINTENANCE ACTION MESSAGE 16-036 FOR MORE DETAILS. IT'S ON THE TACOM-UNIQUE LOGISTICS SUPPORT APPLICATIONS (TULSA) WEBSITE: https://tulsa.tacom.army.mil/Maintenance/message.cfm?id=MA16-036.html

YOU'LL NEED YOUR CAC AND FIRST-TIME USERS MUST REQUEST ACCESS.

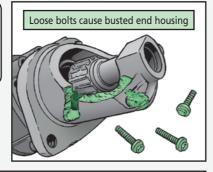






MECHANICS, THE BOLTS THAT MOUNT YOUR FMTV OR HIMARS STARTER TO THE ENGINE HAVE A BAD HABIT OF COMING LOOSE! IN SOME CASES
THE STARTER
LOOSENS
ENOUGH THAT
THE END HOUSING
ON THE STARTER
CRACKS OR
BREAKS.

KEEP THE BOLTS TIGHT WITH THIS TWO-STEP PROCESS!

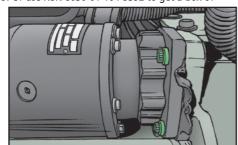


1. Whenever the starter is removed, make sure the starter bolt's threads are cleaned real good-like.

2. Put a dab of sealing compound on the bolt's threads and torque 'em to 42-52 lb-ft. Get a 50ml bottle of sealing compound with NSN 8030-01-014-5869. Or use NSN 8030-01-104-5392 to get a box of

ten 10cc bottles.

Add sealing compound, then torque bolts to 42-52 lb-ft



HMMWVs...

DOES LOAD RANGE MATTER?



HMMPH! SO I'M NOT GOOD ENOUGH TO GO ON THE SAME HMMWV WITH YOU?

IT'S NOT MY FAULT! WE'RE JUST... INCOMPATIBLE.





YOU BET IT DOES!

LOAD RANGE D TIRE AND WHEEL ASSEMBLIES ARE DESIGNED FOR A MAXIMUM LOAD CAPACITY OF 3.850 POUNDS.

LOAD RANGE E ASSEMBLIES, ON THE OTHER HAND, CAN HANDLE A MAXIMUM LOAD OF 4.540 POUNDS.

THAT'S AN IMPORTANT DISTINCTION IF YOUR HMMWV IS EQUIPPED WITH A FRAG KIT.

FRAG KIT-EQUIPPED VEHICLES ARE HEAVIER AND CAN EXCEED THE 3,850-LB LOAD CAPACITY OF LOAD RANGE D ASSEMBLIES.

THE TIRES
MAY WEAR OUT
TOO SOON AND
YOU COULD
HAVE A SUDDEN
BLOWOUT OR
ROLLOYER!



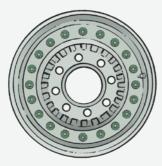
SO IF YOU HAVE MILLA M1151A1, M1152A1, M1165A1 AND MIIGT EXPANDED CAPACITY VEHICLES (ECV) WITH FRAG KITS INSTALLED ...

...TACOM RECOMMENDS ALL FOUR WHEEL POSITIONS AND THE SPARE BE EQUIPPED WITH A LOAD RANGE E TIRE AND WHEEL ASSEMBLY, NSN 2530-01-563-8620

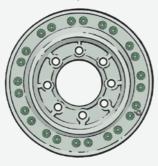
LOAD RANGE E ASSEMBLIES ARE **DESIGNED TO HANDLE** THE HEAVIER WEIGHT OF FRAG KIT-EQUIPPED VEHICLES.

How to ID Load Range E Assemblies

• The assembly will have either a 20-bolt rim...



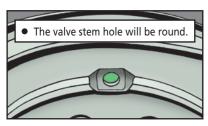
• ...or a 24-bolt rim with the studs in a tandem pattern.

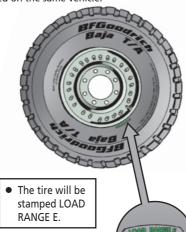


• The tire will be either a Michelin BF Goodrich Baja T/A or a Goodyear Wrangler MT/R, NSN 2610-01-563-8328. Both tires can be mixed on the same vehicle.

12







Load Range D Assemblies



HMMWVS THAT ARE NOT EQUIPPED WITH FRAG KITS ARE CLEARED TO USE BOTH LOAD RANGE D OR E ASSEMBLIES

HOWEVER, YOU CAN NEVER MIX LOAD RANGE D AND E ASSEMBLIES ON THE SAME VEHICLE. THAT INCLUDES THE SPARE.

IN ADDITION, LOAD RANGE D ASSEMBLIES FALL UNDER **TWO DIFFERENT GROUPS** WITH **SEPARATE NS**NS AND **THEIR OWN SET OF RULES**.

GROUP 1:

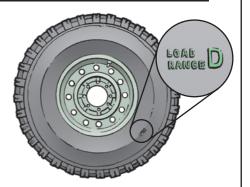
LOAD RANGE D TIRE AND WHEEL ASSEMBLY, NSN 2530-01-493-5859

GROUP 1 COMES WITH A GOODYEAR WRANGLER MT TIRE, NSN 2610-01-333-7632, AND A 12-BOLT RIM.

DO NOT MIX THIS ASSEMBLY WITH ANY OTHER LOAD RANGE D OR E ASSEMBLY ON THE SAME VEHICLE

(GOODYEAR MT TIRES CAN NEVER BE MIXED WITH GOODYEAR MT/R OR MICHELIN/BF GOODRICH BAJA T/A TIRES).

IF THE -5859 ASSEMBLY IS USED ON ANY OF YOUR HMMWV'S WHEELS, IT MUST BE USED ON ALL FOUR PLUS THE SPARE.



GROUP 2: NSNS 2530-01-541-6816 AND 2530-01-558-2138

THE -6816 ASSEMBLY COMES WITH A MICHELIN BF GOODRICH BAJA T/A OR GOODYEAR WRANGLER MT/R TIRE, NSN 2610-01-541-4090, AND A 12-BOLT RIM.

THE -2138 ASSEMBLY ALSO COMES WITH A MICHELIN BF GOODRICH BAJA T/A OR GOODYEAR **VWRANGLER** MT/R TIRE NSN 2610-01-541-4090, BUT HAS A 24-BOLT RIM WITH EVENLY SPACED STUDS.



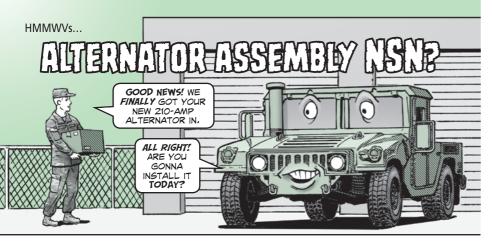


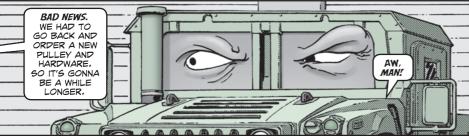
BOTH ASSEMBLIES UNDER GROUP 2 (NSN 2530-01-541-6816 AND NSN 2530-01-558-2138) CAN BE MIXED ON THE SAME VEHICLE.

FOR MORE INFORMATION, CHECK OUT TACOM GPA 16-011: https://tulsa.tacom.army.mil/Safety/message.cfm?id=GPA16-011.html

THE GPA ALSO INCLUDES LINKS TO A QUICK REFERENCE GUIDE FOR HMMWV TIRE AND WHEEL ASSEMBLIES AND A SMART CARD THAT LISTS CORRECT AIR PRESSURES.







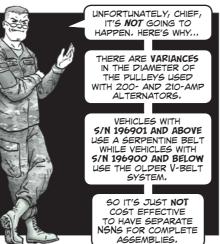


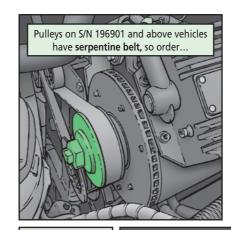
EM 0323 (Mar 14) shows the 210-amp alternator assembly, NSN 2920-01-598-4541, and its components for HMMWVs. It replaces the older, 200-amp alternator.

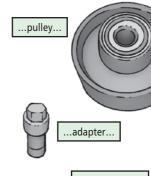
But you'll run into trouble if you try to reuse the pulley from your old alternator. The pulley is pressed on and usually gets damaged when you try to remove it. So you have to order the pulley, adapter and nut separately.

It would be great if there were an NSN for the alternator, pulley and hardware as an assembly. Any chance of that happening?

CW3 R.D.M.







...and plain nut



WHEN IT'S TIME TO REPLACE THAT 200- OR 210-AMP ALTERNATOR, HERE'S WHAT YOU'LL NEED TO ORDER BASED ON VEHICLE SERIAL NUMBER...

	S/N 19	6901 and Above
	ltem	NSN
ı	Pulley	3020-01-491-2671
	Adapter	5310-01-490-7461
	Plain nut	5310-21-921-5930

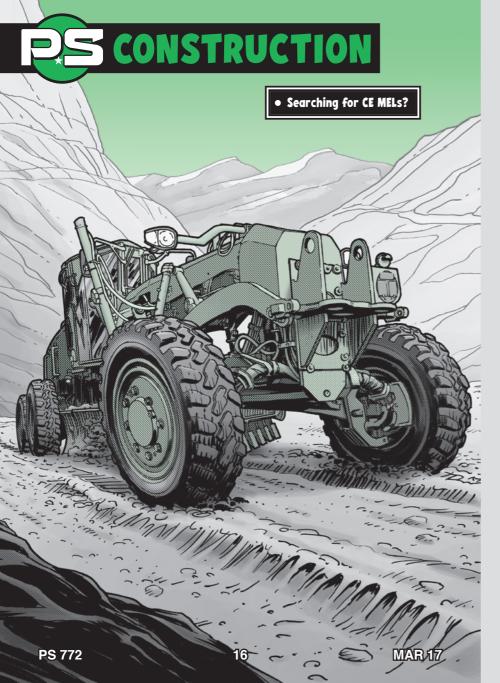
S/N 196900 and Below		
Item	NSN	
Pulley	3020-01-444-5447	
Flat washer	5310-00-772-0442 or 5310-01-397-1776	
Self-locking nut	5310-00-419-0876 or 5310-01-348-8360	

Fuels and Lubes...

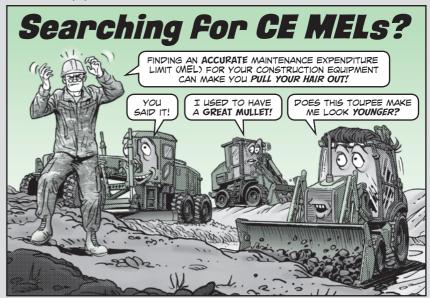
POL Products Guide



PS 772 14 MAR 17



Construction Equipment...



No Worries!

WE'VE GOT YOUR **COMPLETE LIST** OF MELS FOR **ALL** CONSTRUCTION EQUIPMENT RIGHT HERE!

NOTE: THE NUMBERS LISTED HERE ARE BASED ON CALENDAR YEAR (CY) 2016 MEL PERCENTAGES. IN CY 2017, THE MEL FOR OLDER EQUIPMENT MAY DROP 10-15 PERCENT.

Nomenclature/Model	NSN	MEL%
D5BNS tractor, light draw pull tractor	2410-01-126-7902	0
D5BS tractor, light draw pull tractor	2410-01-127-6512	0
D5BS SLEP tractor, light draw pull tractor	2410-01-127-6512	40
D5BS1 light draw pull tractor	2410-01-270-1192	0
D5BS1 SLEP light pull tractor	2410-01-270-1192	40
D5BNS1 light pull tractor	2410-01-296-8479	0
D6K light draw tractor W/R	2410-01-565-2599	75
D6K light draw tractor W/W	2410-01-565-2600	75
D7F tractor W/R	2410-00-177-7283	0
D7F tractor W/W	2410-00-177-7284	0
D7F tractor W/W	2410-00-185-9792	0
D7F tractor W/R	2410-00-185-9794	0
D7F tractor W/W (winterized)	2410-00-300-6664	0



Nomenclature/Model	NSN	MEL%
D7F tractor W/R (winterized)	2410-00-300-6665	0
D7G tractor W/R	2410-01-223-0350	10
D7G tractor W/W	2410-01-223-7261	10
D7G tractor W/W (winterized)	2410-01-253-2117	10
D7G tractor W/R (winterized)	2410-01-253-2118	10
D7G tractor W/W & AoA	2410-01-538-6780	25
D7G tractor W/R & AoA	2410-01-538-7793	25
D7R II tractor W/R	2410-01-565-2603	75
D7R II tractor W/W	2410-01-565-2605	75
D8K tractor W/R	2410-00-574-7598	0
D9R low speed tractor w/rip	2410-01-503-4557	45
JD450-LT low speed tractor	2410-01-139-9859	25
JD550/6405 low speed tractor	2410-01-412-0930	10
Backhoe loader (BHL)	2420-01-532-3399	55
Backhoe loader, John Deere model JD410 (CCE)	2420-00-567-0135	0
Small emplacement excavator (SEE), model FLU 419	2420-01-160-2754	25
Small emplacement excavator (SEE), model FLU 419 (RECAP)	2420-01-160-2754	25
Small emplacement excavator (SEE), model FLU 10344	2420-01-205-8636	0
High mobility engineer excavator, Type I (HMEE-1)	2420-01-535-4061	55
Deployable universal combat earthmover (DEUCE), model DV100 (non-SLEP)	2430-01-423-2819	25
Deployable universal combat earthmover (DEUCE), model DV100 (SLEP)	2430-01-423-2819	60
Deployable universal combat earthmover (DEUCE), model DV100 w/AoA	2430-01-538-7804	60
H100C scoop loader, Type I	3805-01-052-9042	0
H100C scoop loader, Type I, w/AoA	3805-01-538-7782	0
H100C scoop loader, Type II	3805-01-052-9043	0
MW24C scoop loader, Type II, Case	3805-01-150-4814	25
MW24C scoop loader w/AoA	3805-01-538-7782	25
Scoop loader, Type II, Clark model 175B	3805-00-602-5006	0
Scoop loader, Type II, Clark model 175B	3805-00-602-5013	0
Scoop loader, model 950 BS	3805-01-126-7914	0
Scoop loader, model 950 BNS	3805-01-126-7915	25
Scoop loader, model 950 BNSCE	3805-01-260-5163	25
Scoop loader, model 950 BSCE	3805-01-260-5162	0
M400T skid steer loader, Type II	3805-01-552-4485	60

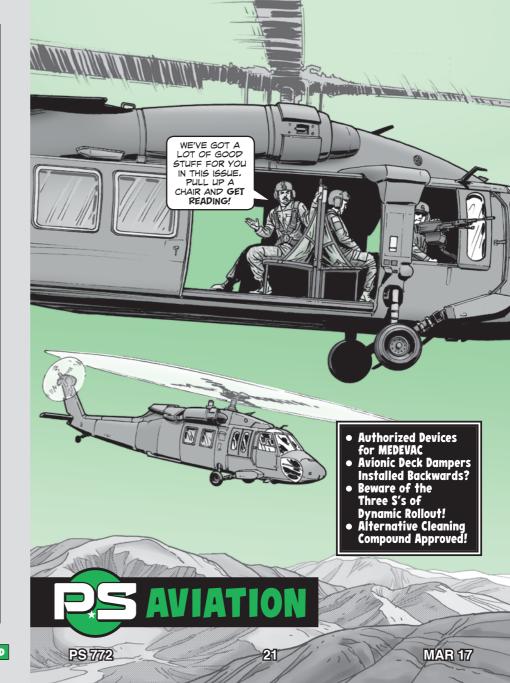
M400W skid steer loader, Type III 3805-01-552-4487 60 Skid steer loader, Type I, Bobcat model 763G 3805-01-502-3529 0 Skid steer loader, Type I, Bobcat model 5150 3805-01-515-3766 0 924G bucket loader, Iight 3805-01-533-168 60 924H bucket loader 3805-01-533-1857 60 3805-01-533-1857 60 3805-01-533-1857 60 3805-01-533-1853 20 3805-01-433-439 25 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1853 20 3805-01-533-1854 40	Nomenclature/Model	NSN	MEL%
Skid steer loader, Type I, Bobcat model S150 924G bucket loader, light 924H bucket loader 966H bucket loader 966H bucket loader, heavy 83805-01-533-1857 805-01-533-1857 20 815F compactor 815F compactor (SLEP) 815F compactor (SLEP) 815F compactor w/AoA 8305-01-431-8439 75 815F compactor w/AoA 8305-01-538-7811 25 805-01-024-4064 (formerly 3895-01-024-4064 (IN E61618) 130G road grader 130G road grader 130G NS road grader 130G SSSS scraper 613BSNS scraper 613BSS scraper 613BSS scraper 3805-01-267-4178 6138SS scraper 613BSS scraper 3805-01-153-1854 06138 scraper (SLEP/RESET) 621B scraper (SLEP/RESET) 621	M400W skid steer loader, Type III	3805-01-552-4487	60
924G bucket loader, light 924H bucket loader 924H bucket loader 966H bucket loader, heavy 3805-01-533-1853 20 815F compactor 815F compactor (SLEP) 815F compactor w/AoA 3805-01-333-853 20 815F compactor w/AoA 3805-01-333-853 20 815F compactor w/AoA 3805-01-331-8439 75 815F compactor w/AoA 3805-01-338-7811 25 3805-01-328-7811 25 3805-01-244-4064, LIN E61618) 130G road grader 3805-01-264-4064, LIN E61618) 130G road grader 3805-01-252-0128 0 130G NS road grader 3805-01-550-2384 60 6138SNS scraper 3805-01-560-2384 60 6138SNS scraper 3805-01-144-2992 0 6138SS scraper 3805-01-463-0805 6138SS scraper 3805-01-463-0807 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (sLEP/RESET) 3805-01-153-1854 0 621G scraper 49draulic excavator (HYEX), John Deere model 230LCR Hydraulic excavator (HYEX), Type II, John Deere model JD240DLCR Hydraulic excavator (HYEX), Type II, John Deere model JD240DLCR Hydraulic excavator (HYEX), Type II, John Deere model JS0LCR w/impact breaker Ingersoll P250 pneumatic tool w/compressor Paving breaker, Skidril model BP 180-II 805-01-938-00-98-00-98-00-99 805-01-267-7997 805-01-267-799	Skid steer loader, Type I, Bobcat model 763G	3805-01-502-3529	0
924H bucket loader 966H bucket loader, heavy 3805-01-533-1857 3805-01-533-1857 3805-01-533-1857 3805-01-431-8439 25 815F compactor (SLEP) 3805-01-431-8439 75 815F compactor w/AoA 3805-01-431-8439 75 815F compactor w/AoA 3805-01-538-7811 25 Compactor, high speed, Bomag model K-300 805-01-24-4064 (formerly 3895-01-024-4064, LIN E61618) 130G road grader 3805-01-504-795 0 130G NS road grader 3805-01-538-6850 35 120M road grader 3805-01-538-6850 35 120M road grader 3805-01-144-2992 0 6138SNS scraper 3805-01-144-2992 0 6138SS scraper 3805-01-144-8837 0 6138SS scraper 3805-01-448-837 0 6138SS scraper 3805-01-448-837 0 6138SS scraper 3805-01-448-837 0 6218 scraper (IN-EEP) 3805-01-153-1854 0 6218 scraper (SLEP/RESET) 3805-01-153-1854 0 6218 scraper (SLEP/RESET) 3805-01-153-1854 0 6218 scraper (SLEP/RESET) 3805-01-538-6852 25 6216 scraper 4020-1463-0804 35 Hydraulic excavator (HYEX), John Deere model 230LCR Hydraulic excavator (HYEX), Type II, John Deere model JD240DLCR Hydraulic excavator (HYEX), Type II, John Deere model 330LCR w/more to read	Skid steer loader, Type I, Bobcat model S150	3805-01-515-3766	0
966H bucket loader, heavy 3805-01-533-1857 3805-01-533-1853 20 815F compactor 815F compactor (SLEP) 3805-01-431-8439 75 815F compactor w/AoA 3805-01-538-7811 25 Compactor, high speed, Bomag model K-300 3805-01-244-4064, LIN E61618) 130G road grader 3805-01-1524-4054 130G road grader 3805-01-1524-4795 0 130G NS road grader 3805-01-538-6850 35 120M road grader 3805-01-538-6850 35 120M road grader 3805-01-252-0128 0 613BSNS scraper 3805-01-144-2992 0 613BSSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-154-48837 0 613BSS scraper 3805-01-153-1854 0 621B scraper (Non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 0 621B scraper (MAOA 3805-01-153-86852 25 Hydraulic excavator (HYEX), John Deere model 230LCR Hydraulic excavator (HYEX), Type I, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 230 LRCD w/ rock drill Rose-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-326-7997 0 Rosery sweeper, Little Giant model ES100K 3825-01-022-7329 0 Rosery sweeper, Little Giant model ES100K	924G bucket loader, light	3805-01-533-1768	60
### 815F compactor 3805-01-533-1853 20 20 20 20 20 20 20 2	924H bucket loader	3805-01-570-6666	60
815F compactor (SLEP) 3805-01-431-8439 75 815F compactor w/AoA 3805-01-538-7811 25 Compactor, high speed, Bomag model K-300 3805-01-024-4064, (formerly 3895-01-024-4064, LIN E61618) 0 130G road grader 3805-01-150-4795 0 130G NS road grader 3805-01-252-0128 0 130M road grader 3805-01-538-6850 35 120M road grader 3805-01-560-2384 60 613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-267-4177 0 621B scraper (SLEP/RESET) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type III, John Deere model JD40LCR <	966H bucket loader, heavy		
815F compactor w/AoA 3805-01-538-7811 25 Compactor, high speed, Bomag model K-300 3805-01-024-4064, (formerly 3895-01-024-4064, LIN E61618) 0 130G road grader 3805-01-150-4795 0 130G NS road grader 3805-01-538-6850 35 120M road grader 3805-01-560-2384 60 613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 0 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-538-6852 25 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-63-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model J30LCR w/mpact breaker 10gersoll P250 pneumatic tool w/compressor 3805-01-463-0806 35 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-935-5177 25 Magnetic sweeper, Little Giant model ES100K 3825-01-022-7329 0	815F compactor	3805-01-431-8439	25
Compactor, high speed, Bomag model K-300 3805-01-024-4064 (formerly 3895-01-024-4064, LIN E61618) 130G road grader 3805-01-150-4795 0 130G NS road grader 3805-01-528-0128 0 130G NS road grader 3805-01-538-6850 35 120M road grader 3805-01-560-2384 60 6138SNS scraper 3805-01-144-2992 0 6138SNS scraper 3805-01-144-2992 0 6138SS scraper 3805-01-144-8837 0 6138SS scraper 3805-01-144-8837 0 6138SS scraper 3805-01-144-8837 0 6138SS scraper 3805-01-153-1854 0 6218 scraper (non-SLEP) 3805-01-153-1854 0 6218 scraper (SLEP/RESET) 3805-01-153-1854 0 6218 scraper (SLEP/RESET) 3805-01-153-1854 40 6218 scraper (HYEX), John Deere model 230LCR 3805-01-50-7164 75 Hydraulic excavator (HYEX), Type II, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-01-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	815F compactor (SLEP)	3805-01-431-8439	75
Compactor, high speed, Bomag model K-300 130G road grader 130G road grader 130G NS ROS -01-460-883 100 -01-463-0805 100 -01-	815F compactor w/AoA	3805-01-538-7811	25
130G road grader 3805-01-252-0128 0 130G NS road grader 3805-01-538-6850 35 120M road grader 3805-01-560-2384 60 613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-267-4177 0 613E scraper (non-SLEP) 3805-01-497-0697 50 621B scraper (sleEP/RESET) 3805-01-153-1854 0 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-538-6852 25 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, 3805-01-463-0806 35 John Deere model JD240DLCR 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, 3805-01-463-0806 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150	Compactor, high speed, Bomag model K-300	(formerly 3895-01-024-4064,	0
130G NS road grader 3805-01-538-6850 35 120M road grader 3805-01-560-2384 60 613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-267-4177 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-497-0697 50 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Ingersoll P250 pneumatic tool w/compressor 3805-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3825-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K Rotary sweeper, Little Giant model ES100K Rota	130G road grader	3805-01-150-4795	0
120M road grader 3805-01-560-2384 60 613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-267-4177 0 613C scraper 3805-01-153-1854 0 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K Rotar		3805-01-252-0128	0
613BSNS scraper 3805-01-144-2992 0 613BSNS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-497-0697 50 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0 <td>130G NS road grader</td> <td>3805-01-538-6850</td> <td>35</td>	130G NS road grader	3805-01-538-6850	35
613BSNS scraper 3805-01-267-4178 0 613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-497-0697 50 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 <	120M road grader	3805-01-560-2384	60
613BSS scraper 3805-01-144-8837 0 613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-497-0697 50 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	613BSNS scraper	3805-01-144-2992	0
613BSS scraper 3805-01-267-4177 0 613C scraper 3805-01-497-0697 50 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	613BSNS scraper	3805-01-267-4178	0
613C scraper 3805-01-497-0697 50 621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	613BSS scraper	3805-01-144-8837	0
621B scraper (non-SLEP) 3805-01-153-1854 0 621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-01-022-7329 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	613BSS scraper	3805-01-267-4177	0
621B scraper (SLEP/RESET) 3805-01-153-1854 40 621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	613C scraper	3805-01-497-0697	50
621B scraper w/AoA 3805-01-538-6852 25 621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	621B scraper (non-SLEP)	3805-01-153-1854	0
621G scraper 3805-01-550-7164 75 Hydraulic excavator (HYEX), John Deere model 230LCR 3805-01-463-0804 35 Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR 3805-01-573-0677 55 Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill 3805-01-463-0806 35 Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker 3805-01-463-0805 35 Ingersoll P250 pneumatic tool w/compressor 3820-00-950-8584 10 Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	621B scraper (SLEP/RESET)	3805-01-153-1854	40
Hydraulic excavator (HYEX), John Deere model 230LCR Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker Ingersoll P250 pneumatic tool w/compressor Paving breaker, Skidril model BP 180-II Crush, screen & wash plant, Cedarapids model CR M150 Rotary sweeper, Little Giant model ES100K 3805-01-463-0806 35 36 3805-01-463-0806 35 3805-01-463-0806 35 3805-01-463-0806 35 3805-01-463-0806 35 3805-01-463-0806 35 35 36 37 3805-01-463-0806 35 3805-01-463-0806 35 35 36 37 3805-01-463-0806 35 3805-01-463-0806 35 35 36 37 3805-01-463-0806 35 36 37 3805-01-463-0806 36 37 3805-01-463-0806 38 38 38 38 38 38 38 38 38 3	621B scraper w/AoA	3805-01-538-6852	25
Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR Hydraulic excavator (HYEX), Type II, John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker Ingersoll P250 pneumatic tool w/compressor Paving breaker, Skidril model BP 180-II Crush, screen & wash plant, Cedarapids model CR M150 Rotary sweeper, Little Giant model ES100K 3805-01-463-0805 35 3805-01-463-0805 35 3820-01-463-0805 35 3820-01-433-0805 35 Magnetic sweeper, John Deere model JD401-B 3820-01-326-7997 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	621G scraper	3805-01-550-7164	75
John Deere model JD240DLCR		3805-01-463-0804	35
John Deere model 230 LRCD w/ rock drill Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker Ingersoll P250 pneumatic tool w/compressor Paving breaker, Skidril model BP 180-II Crush, screen & wash plant, Cedarapids model CR M150 Rotary sweeper, John Deere model JD401-B Rotary sweeper, Little Giant model ES100K 3805-01-463-0805 3820-01-463-0805 3820-01-435-07997 0 Rotary sweeper, Little Giant model ES100K	Hydraulic excavator (HYEX), Type I, John Deere model JD240DLCR	3805-01-573-0677	55
John Deere model 330LCR w/impact breaker 3805-01-405-0003 33		3805-01-463-0806	35
Paving breaker, Skidril model BP 180-II 3820-01-326-7997 0 Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	Hydraulic excavator (HYEX), Type III, John Deere model 330LCR w/impact breaker	3805-01-463-0805	35
Crush, screen & wash plant, Cedarapids model CR M150 3820-01-435-5177 25 Magnetic sweeper, John Deere model JD401-B 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	Ingersoll P250 pneumatic tool w/compressor	3820-00-950-8584	10
Magnetic sweeper, John Deere model JD401-B 3825-00-598-0045 0 Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	Paving breaker, Skidril model BP 180-II	3820-01-326-7997	0
Rotary sweeper, Little Giant model ES100K 3825-01-022-7329 0	Crush, screen & wash plant, Cedarapids model CR M150	3820-01-435-5177	25
	Magnetic sweeper, John Deere model JD401-B	3825-00-598-0045	0
OF MODE	Rotary sweeper, Little Giant model ES100K		

PS 772 18 MAR 17

Nomenclature/Model	NSN	MEL%
Rotary sweeper, M-B model 53 MH	3825-01-314-2926	0
Water distributor, Macleod model W15B901	3825-00-474-3742	0
Water distributor, 6,000-gal, Macleod model WD6S-D	3825-01-065-6221	0
Water distributor, 2,500-gal, Caterpillar model 613B WDNS	3825-01-143-1212	0
Water distributor, 2,500-gal, Caterpillar model 613B WDS	3825-01-143-1213	0
Water distributor, 2,500-gal, Caterpillar model 613C	3825-01-497-0690	55
Water distributor, 6,000-gal, Etnyre model 60 PRS	3825-01-297-3357	0
Concrete mixer, T.L. Smith model 499A	3895-00-444-1531	0
Steel drum roller, Hyster model C35003	3895-00-578-0372	0
RS-28 Tampo roller	3895-01-012-8875	0
C530A roller	3895-01-013-3630	0
Roller, towed, model PT-13	3895-21-913-7442	0
Steel wheel roller, Caterpillar model CB534B	3895-01-396-2822	25
Steel wheel roller, Caterpillar model CB534B (SLEP)	3895-01-396-2822	75
Steel wheel roller, Caterpillar model CB534C	3895-01-502-4005	50
Vibratory roller, Rexnord model SP-848	3895-01-075-2823	0
Vibratory roller, Caterpillar model CS433LHT	3895-01-456-2733	25
Vibratory roller, Caterpillar model CS433LHT (SLEP)	3895-01-456-2733	75
Vibratory roller, Caterpillar model CS433CARMBL/ARDROP	3895-01-456-2734	25
Vibratory roller, Caterpillar model CS563D	3895-01-456-2735	25
Vibratory roller, Caterpillar model CS563D (SLEP)	3895-01-456-2735	75
Vibratory roller, Caterpillar model CS563D (AoA)	3895-01-538-8279	25
Piston hammer tamper, Stone model VR11	3895-01-013-4328	0
Hot oil heater, model M087	3895-01-384-5307	0
Hot oil heater, model RTM12	3895-01-063-7892	0
Backfill tamper, model VR11	3895-01-151-2749	0
Concrete saw, Gregory model C-3000-30	3895-01-303-8909	0
Rotary tiller mixer, Seamon-Maxon model T0730H-KEG	3895-01-331-8560	10
Asphalt melter, model SDMD-300A	3895-01-332-3024	0
Paving machine, model 780T	3895-01-379-1102	0
Paving machine, model 8816M	3895-01-577-2425	75
Piston hammer tamper, Weber model RC48-2	3895-01-383-6488	0
Vibratory plate compactor (VPC), model BPU-3050A	3895-01-610-0184	75
Compressor, 250 cfm, Ingersoll model P250-WDM-H268	4310-01-158-3262	25
Compressor, 750 cfm, Sullair model 750DP	4310-01-053-3891	20
Moisture and density tester, Troxler model 3440+	6635-01-604-1875	75

^{*} Note: SLEP vehicle data plates will be stamped with an S after the serial number.

RESET vehicles will have a D, DD, DD1, DD2 or R stamped after the serial number.



UH/HH-60A/L/M...

IN THE MEDEVAC COMMUNITY, ALL KINDS OF HOIST DEVICES ARE AVAILABLE, BUT THEY'RE NOT ALL NECESSARILY APPROVED FOR USE.

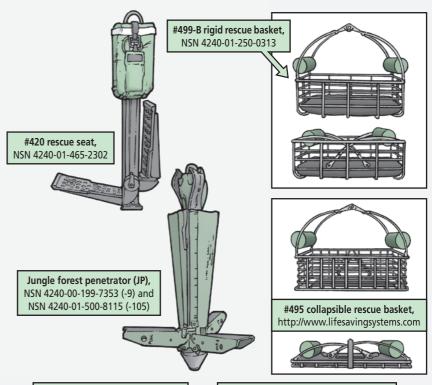
NOW THE MEDEVAC HEADSHED HAS ADDED MORE AUTHORIZED HOIST DEVICES TO AIR WORTHINESS RELEASE 980 (AWR 980), INCLUDING THE OFTEN-REQUESTED "STOKES" LITTER BASKET AND THE #214 QUICK STROP.

THESE DEVICES ARE ALSO APPROVED FOR THE LAKOTA IN AWR 9.

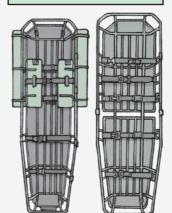


AUTHORIZED DEVICES FOR MEDEVAC

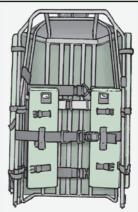
ltem	NSN
#420 rescue seat	4240-01-465-2302
Jungle forest penetrator (JP)	4240-00-199-7353 (-9)
surigic forest periodictor (st)	4240-01-500-8115 (-105)
Rescue baskets	
-#499-B rigid	4240-01-250-0313
-#495 standard lifting eye, collapsible	Order at: http://www.lifesavingsystems.com
-#495-L inverted lifting eye, collapsible (for use with internal rescue hoists)	Order at: http://www.lifesavingsystems.com
Rescue litters	
-#402 hoistable litter	6530-01-187-0104 (include
-#402-TI hoistable litter (Titanium)	PN #402 for the regular litter and PN #402-TI for the titanium litter)
-#404 Stokes, rigid	6530-01-338-6094 (include
-#404-F Stokes w/flotation, rigid	PN #404 for non-flotation and PN #404-F for flotation)
-#406 Stokes, collapsible	6530-01-397-0094 (include
-#406-F Stokes w/flotation, collapsible	PN #406 for non-flotation and PN #406F for flotation)
Rescue strops	
-#216-1 rescue strop (for military personnel only)	1680-01-347-4946
-#214 quick strop	4240-01-545-6722
Litter hoisting sling	
-#190	1670-01-226-5300
-#193-A	http://www.lifesavingsystems.com
SKED rescue systems	
-SK-200 basic rescue system	6530-01-260-1222
-SK-800 complete rescue system	6530-01-301-0796
Rescue net	1670-01-172-3592
#415 static discharge cable	http://www.lifesavingsystems.com



#**404 "Stokes" litter basket, rigid** NSN 6530-01-338-6094

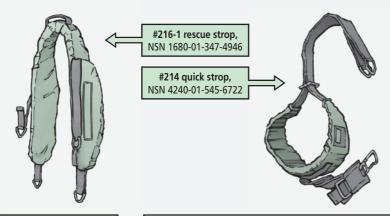


#406 "Stokes" litter basket, collapsible NSN 6530-01-397-0094

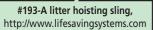


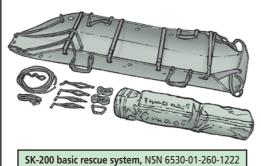


PS 772 23 MAR 17

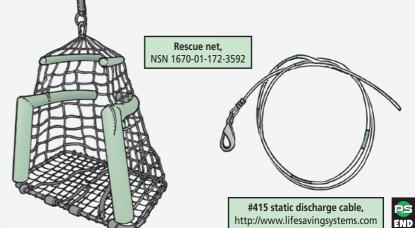


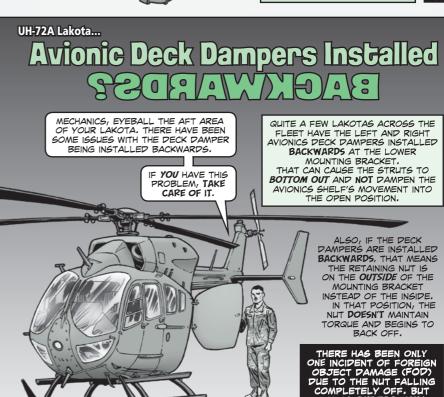




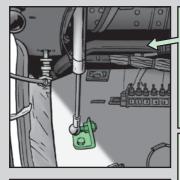






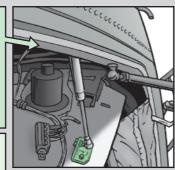


THAT'S ONE TOO MANY.



If deck dampers are installed correctly, nut will be inside right... ... and left side of lower mounting bracket

If deck dampers are installed incorrectly, nut will show on outside of right... ...and left side of lower mounting bracket.





IF THE DAMPERS ARE INSTALLED BACKWARDS.

FIX THEM!

IT'S YOUR RESPONSIBILITY TO ENSURE ALL PROCEDURES IN SECTION 25-70-00 (4-1), FIGURE 401 OF THE AIRCRAFT MAINTENANCE MANUAL (AMM) ARE FOLLOWED.









BEWARE OF THE THREE S'S OF DYNAMIC ROLLOUT!



JUST
BECAUSE
DYNAMIC
ROLLOUT
IS RARE,
DOESN'T
MEAN YOU
SHOULDN'T
BE AWARE
OF ITS
RISKS.

THREE CONDITIONS MUST EXIST IN ORDER FOR ROLLOUT TO HAPPEN. SUSCEPTIBILITY, SLACK AND SECURITY.

ONCE YOU REMOVE ONE OF THESE THREE, ROLLOUT WILL NOT OCCUR.

OPERATORS, HOIST OPERATIONS MAY SEEM ROUTINE, BUT SECURITY OF LOADS AND PERSONNEL SHOULD ALWAYS BE A PRIORITY TO PREVENT DYNAMIC ROLLOUT.

DYNAMIC ROLLOUT (ALSO KNOWN AS RING ROLLOUT, FORCED ROLLOUT, OR SIMPLY ROLLOUT) IS WELL UNDERSTOOD IN THE MOUNTAIN CLIMBING COMMUNITY BECAUSE OF THEIR USE OF CARABINERS.

IT HASN'T BEEN TAUGHT IN THE ARMY MEDEVAC COMMUNITY AS MUCH BECAUSE THE PROBABILITY OF DYNAMIC ROLLOUT IS UNLIKELY WITH CURRENT HOISTING EQUIPMENT.



THE POTENTIAL FOR SERIOUS INJURY IS PRIVING A RENEWED EMPHASIS ON TRAINING AND AWARENESS ABOUT THIS CONDITION.



PS 772 27 MAR 17

What Is Dynamic Rollout?

I'LL TELL YOU! IT'S A SITUATION THAT CAN OCCUR WHEN A HOISTING DEVICE, SUCH AS A RESCUE SEAT OR QUICK STROP, IS CONNECTED TO A HOIST HOOK, BUT NOT UNDER A LOAD.

THAT CAN ALLOW THE LIFTING EYE ON THE HOISTING **PEVICE TO ROTATE UP** AND SNAG ON THE HOOK'S "BEAK."

THE BEAK IS THE TIP OF THE HOOK THAT EXTENDS OUT PAST THE LOCKING DEVICE OR GATE.

ONCE PRESSURE IS APPLIED, THE LIFTING EYE CAN BE FORCED PAST THE LOCKING DEVICE AND FALL FREE OF THE HOOK.

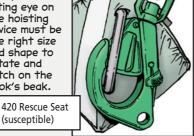


The Three S's

THERE ARE THREE CONDITIONS THAT MUST EXIST FOR DYNAMIC ROLLOUT TO OCCUR:

1. Susceptibility.

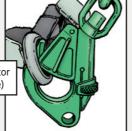
First, the lifting eye on the hoisting device must be the right size and shape to rotate and catch on the hook's beak.



If the lifting eve is too small to hook the beak, dynamic rollout isn't a danger.

(susceptible)



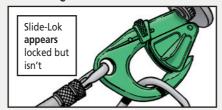


2. Slack.

There must be enough slack in the cable to allow the lifting eye to rotate up and catch the beak. If the hoisting device remains under load, gravity will keep the lifting eye in its proper location.

3. Security.

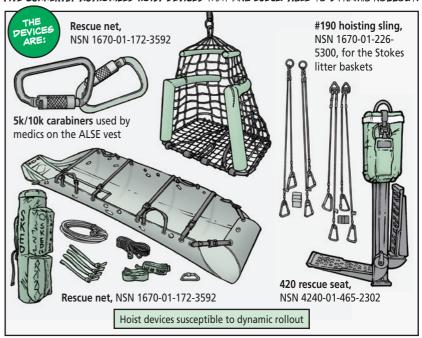
The locking device must be unlocked.



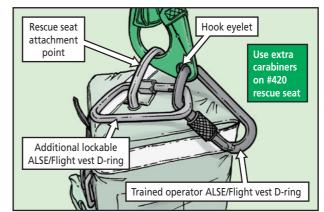
TO PREVENT DYNAMIC ROLLOUT FROM HAPPENING, YOU MUST REMOVE AT LEAST ONE OF THE THREE CONDITIONS: SUSCEPTIBILITY, SLACK OR SECURITY.

Susceptibility

SAFETY OF FLIGHT (SOF) MESSAGES H-60-16-SOF-02 AND H-72-16-SOF-01 IDENTIFIED FIVE CURRENTLY AUTHORIZED HOIST DEVICES THAT ARE SUSCEPTIBLE TO DYNAMIC ROLLOUT.



THESE SOFS PROVIDE SHORT-TERM SOLUTIONS FOR EACH OF THESE DEVICES, WHICH ENTAILS THE USE OF EXTRA CARABINERS AS "SAFETIES"
UNTIL OTHER SOLUTIONS CAN BE IMPLEMENTED.

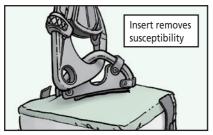


SINCE THE #190 HOISTING SLING WAS ONLY RECENTLY APPROVED FOR USE, YOU MAY NOT HAVE SEEN ANY YET.

A BETTER OPTION IS TO USE THE #193 (TITANIUM) HOISTING SLING AS AN ALTERNATIVE, IT HAS BEEN TESTED AND PROVEN NOT TO BE SUSCEPTIBLE TO ROLLOUT.



PS 772 29 **MAR 17**



MEDEVAC IS ALSO WORKING ON APPROVAL FOR MEDICS TO TIE DIRECTLY INTO THE HOIST HOOK EYELET AS THEIR PRIMARY LIFTING POINT **WITHOUT** THE NEED FOR AN ADDITIONAL SAFETY CARABINER.

THERE HAVE BEEN TECHNICAL DISCUSSIONS ON THE STRUCTURAL STRENGTH OF THE EYELET FOR THIS PURPOSE.

MANUFACTURER TEST REPORTS REFLECT THAT THE EYELET WILL SUSTAIN STRUCTURAL LOADS OF UP TO 17,000 POUNDS.

Slack

THERE ISN'T MUCH YOU CAN DO TO REMOVE SLACK FROM THE EQUATION.

BUT YOU **CAN** BECOME BETTER AT MAINTAINING POSITIVE CONTROL OF THE CABLE AT ALL TIMES. SIMPLY BE AWARE OF WHAT CAN HAPPEN WHEN SLACK AND SUSCEPTIBILITY ARE COMBINED.

Security

THE SLIDE-LOK
HOOK IS THE MOST
COMMON HOOK
USED BY ARMY
MEDEVAC. IT'S
CRITICAL FOR TWO
REASONS THAT
CREWMEMBERS
CONFIRM THAT THE
SLIDE-LOK IS IN
THE FULLY LOCKED
POSITION BEFORE
HOISTING A LOAD:

- 1. A recent analysis revealed that if the lock is out of the fully locked detent by as little as 0.05 inches and enough force is applied, the rounded edge of the gate can produce a "cam effect" on the rounded edge of the lock. That forces the lock down and allows the gate to open. Combine that with susceptibility and slack and you have a formula for a potential accident.
- 2.It's easy for a crewmember or passenger to accidentally unlock the hook due to the position of their hand when gripping the hook.

The Future

THE LONG-TERM SOLUTION IS TO REPLACE THE CURRENT HOOK WITH ONE THAT IS ALWAYS LOCKED UNLESS THE OPERATOR UNLOCKS IT.

MEDEVAC IS EVALUATING SEVERAL CANDIDATE HOOKS, BUT THEY'RE STILL NOT AUTHORIZED FOR USE.

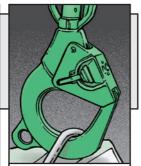
UNTIL A NEW HOOK IS APPROVED, PROPER HOIST TRAINING AND EDUCATION IS ESSENTIAL TO ENSURE SAFE OPERATIONS.

ALWAYS BE AWARE OF THE THREE DYNAMIC ROLLOUT CAUSES DURING HOISTING OPERATIONS.

DON'T LET SUSCEPTIBILITY, SLACK AND SECURITY BE YOUR ACHILLES HEEL!



Auto-Lok under evaluation but not approved for use



D-Lok under evaluation but not approved for use

IF YOU HAVE QUESTIONS OR SUGGESTIONS FOR THE MEDEVAC TEAM, CONTACT DAVID CREECH, AT (256) 842-1176 OR BY EMAIL:

david.w.creech4.ctr@mail.mil





EVEN THOUGH MIL-PRF-680 DRY
CLEANING SOLVENT MEETS THE MATERIAL
SPECIFICATIONS FOR GENERAL CLEANING
OF AIRCRAFT AND ENGINE COMPONENTS, AS
WELL AS OIL REMOVAL AND DEGREASING
ON GROUND SUPPORT EQUIPMENT...

...IT STILL HAS A VOC CONTENT OF MORE THAN 750 GRAMS
PER LITER (g/l).

SOME AREAS OF THE COUNTRY RESTRICT VOC CONTENT TO A MAXIMUM OF 25 g/!!

Now for the GOOD NEWS!

THE AMCOM AVIATION ENGINEERING DIRECTORATE HAS APPROVED THE USE OF NAVSOLVE, TYPE II (MILPRF-32295A), AS AN ALTERNATIVE TO MIL-PRF-680. TYPE II.

NAVSOLVE CAN BE USED ON THE SAME AIRCRAFT PARTS AS MIL-PRF-680 AND PERFORMS SIMILARLY.

WAIT! WHAT IS NAVSOLVE?

NAVSOLVE IS A NON-AQUEOUS CLEANER THAT IS HAP FREE AND IN LOW VOC (NO MORE THAN 25 g/l).

THAT MEANS YOU CAN USE THIS CLEANER IN AREAS WHERE MIL-PRF-680, TYPE II, IS OFF LIMITS.

USE THESE NONS TO ORDER:

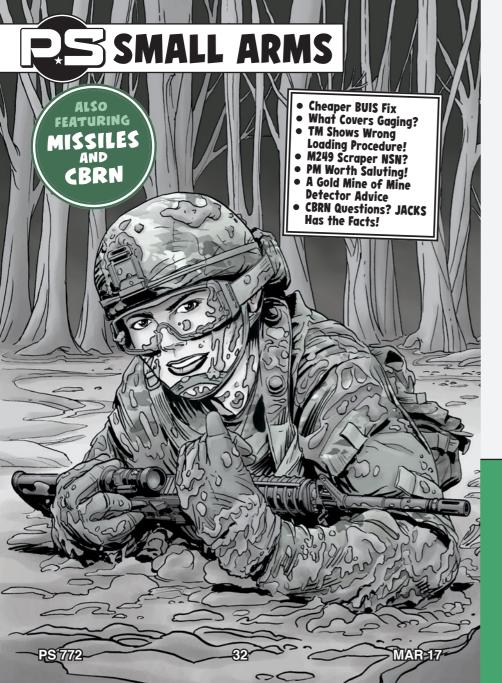
	Size	NSN
	1 gallon	6850-01-606-8356
Į	5 gallons	6850-01-606-8357
1	15 gallons	6850-01-606-3293
	55 gallons	6850-01-606-8358

BE SURE TO CHECK YOUR TMS FOR SPECIFIC GUIDANCE REGARDING THE USE OF NAVSOLVE OR CONTACT AMCOM G-4 ENVIRONMENTAL WITH ANY QUESTIONS.

CONTACT THE AMCOM ENVIRONMENTAL HOTLINE AT DSN 897-1711, (256) 313-1711 OR BY EMAIL:

usarmy.amcom-environmental@ mail.mil

PS 772 31 MAR 17





Dear Editor,

Page 36 of PS 763 (Jun 16) had a good tip on the M16 rifle's backup iron sight (BUIS).

It's important to keep the BUIS in the stored position when not in use so it doesn't get snapped off. But it's also important to make sure the BUIS stays in the down position by giving it a gentle tug. If the sight's notch is worn, it won't stay down and it ends up damaged. Plus, if it pops up during firing, it's hard to use the optic sights.

Eventually the BUIS will need to be replaced no matter how careful you are. That leads to my tip: Instead of ordering a new BUIS, NSN 1005-01-484-8000, for around \$60, order just the sight aperture, NSN 1005-01-497-2592, for less than \$12 and repair it. The instructions are in WP 0010 in TM 9-1005-319-23&P (Nov 08). Considering how many BUISs are broken every year, that savings can really add up.

BUIS broken?
Order just
the sight
aperture,
not entire
sight

Andrew Guilliams TACOM LAR

Editor's note: Every small arms repairman should keep your tip in sight, Andrew. Thanks.

Small Arms...

WHAT COVERS GAGING?

Dear Half-Mast, What is the publication that covers small arms gaging? And how do you document gaging?

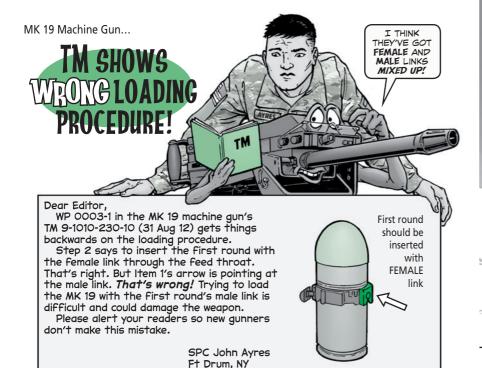
B.G.



THERE'S NOT ONE PUBLICATION THAT COVERS GAGING FOR ALL SMALL ARMS, SIR. INSTEAD, GAGING IS COVERED IN EACH WEAPON'S -23&P TM.

FOR THE M2 MACHINE GUN, FOR EXAMPLE, GAGING REQUIREMENTS ARE LISTED IN WP 0026 IN TM 9-1005-213-23&P. GAGING SHOULD BE DOCUMENTED ON DA FORM 2404 OR 5988-E.

PS 772 33 MAR 17



Editor's note:

Consider it done. This will be corrected in the next revision to the TM.

M249 SCRAPER NSN?

Dear Half-Mast,

I've been trying to order the M249 machine gun's gas assembly scraper, NSN 1005-01-131-1914. But the NSN is terminal. How do you order the scraper?

SPC M.M.



USE NSN 5120-01-598-4301, SPECIALIST. IT'S LISTED IN THE NEWEST UPDATE TO TM 9-1005-201-10.



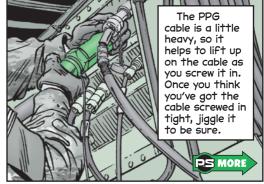


Dear Editor.

Patriot units can keep their missiles flying high if they remember these tips we've come up with at Ft Hood:

Pay careful attention to the Engagement Control Station's (ECS) prime power generator (PPG) control cable. If the PPG cable loses contact even briefly, power is lost to the radar and ECS. Before you connect the cable, check the connectors for dirt that can hurt connections and bend pins. Blow out the connectors with low-pressure air if necessary.

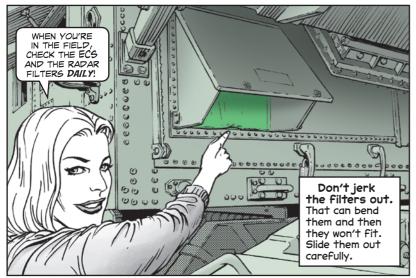




PS 772 34 **MAR 17** PS 772 35 **MAR 17** If you're not firing, make sure the covers for the two ECS A/Cs are on and secure. Otherwise, water can get in and fry the variable frequency drive (VFD). That's an expensive fix. If covers are missing, order more. In the meantime, use a trash bag or anything that will seal out water.

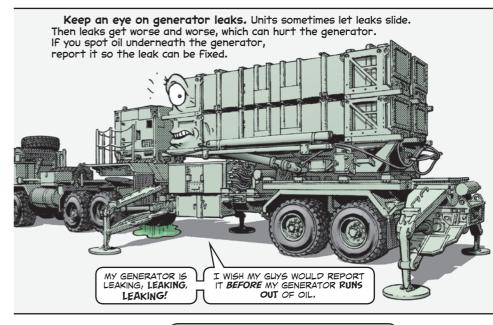


Keep the radar and ECS filters clean. If the filters get clogged, count on power supply problems. In the field, check the filters daily. Usually, you can clean them with low-pressure air. If the filters are getting so dirty you need to wash them, consider getting a second set of filters. That way you can keep operating while the washed filters dry.





When you change the filter for the radar's coolant liquid electron tube (CLET), check for signs of corrosion. If you spot any, report it. The system may need to be flushed. Corrosion can severely damage the CLET.

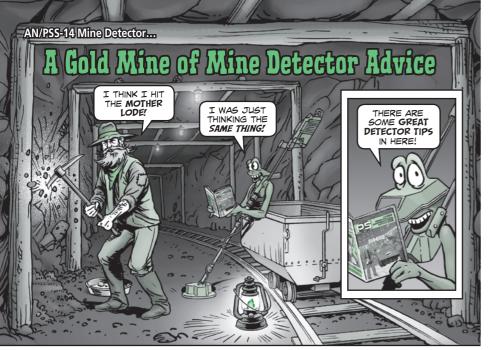


WO1 Jeryme Stahley Ft Hood, TX

Editor's note: We salute your tips! Thanks for sharing your Patriot experience.



PS 772 36 MAR 17 PS 772 37 MAR 17



Dear Editor,

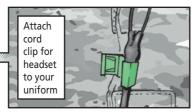
These are a few tips we give our students at the US Army Chemical School on the AN/PSS-14 mine detector:

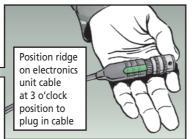
Careful with the headset. Just a little rough handling can damage it. Don't toss it on the ground. Don't jerk on it. Handle with care!

Attach the cord clip for the headset to your uniform. That way the cord's wiring won't be pulled loose if you jerk your head.

Think 3 o'clock when plugging in the electronics unit cable. The ridge on the rubber casing should be at the 3 o'clock position when you plug in the cable. If you've got it right, the cable connector should slide right in place. To lock the connector, turn the collar, not the cable. Turning the cable can damage wiring.

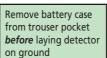
Make sure the collar isn't out of round. If the collar has gotten banged up, it can't lock the cable in place.





Check for the rubber seal on the battery box lid. If it's missing or damaged, moisture can get at the battery. While you're at it, make sure the rubber pad on the lid isn't working loose. The pad keeps the battery in position. If the pad is loose, you could have power problems.

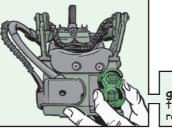
Before laying the detector on the ground, first remove the battery case from your pocket. The battery case cord stretches no more than 21/2 feet. If you pull it farther, its wiring can be damaged. Rest the detector on the ground with the sensor head flat. That keeps the yoke off the ground where it's easily damaged.





Adjust the entire pistol grip assembly, not just the grip itself. That avoids damage to the grip.





Feel the volume and IR power switches guard for looseness. If the guard comes off, the switches get damaged in the field. Your repairman can tighten the guard's screws.

Easy does it with the latch assembly. If the wand connection is properly seated, the latches should snap in place easily. If they don't, something is wrong. Forcing the latches can break them.

Take care extending the wand. If you use too much muscle, the wand can come out completely.



PS 772 38 MAR 17 PS 772 39

No cell phones! They will distract you from detecting explosive hazards!





Store detector like this:

When you strap the yoke in the storage bag, tighten the strap hand-tight only. If you force the strap tighter, you can damage the yoke. Put the strap between the second and third cam locks. That keeps the strap from sliding around.

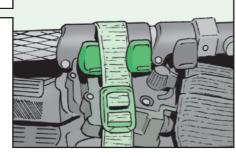
Store the detector so that the front latch fits in the bag's slot. That secures the detector in the bag and prevents it from shifting around.

Tilt the sensor head up and then push it back until it locks in place. Then tilt the head back down flat. Forcing the head straight into the bag can push it out of alignment.

When you put the bag in the carrying case, don't leave the bag's zipper at the 12 o'clock position. That makes it difficult to close the case. Put the zipper to the side.

Turi Gonzales Ft Leonard Wood, MO

Editor's note: These are indeed a gold mine of mine detector tips. Thanks, Turi.







CBRN Questions? JACKS Has the Facts!

EQUIPMENT,
YOU NEED
TO KNOW
JACKS
(JOINT
ACQUISITION
CHEMICAL
BIOLOGICAL
NUCLEAR
KNOWLEDGE
SYSTEM).

IF YOU WORK

WITH CBRN



HERE
ARE SOME
OF THE
SERVICES
JACKS
PROVIDES:

- Detailed logistics info on more than 140,000 NSNs and CBRN products
- HAZMAT documents and safety data sheets (SDS)
- Training materials for new CBRN equipment
- Lessons learned
- Training linksCBRN fact sheets
- Training equipment information
- Code F demilitarization instructions
- Packaging and shipping info
- Shelf life expiration, extension and condemnation info organized by both NSN and lot number



 Maintenance, logistical, supply and safety-of-use CBRN advisory messages

HEY, I FOLIND
THAT MAINTENANCE
MESSAGE ON YOU
ON JACKS.

FACKS

GOOD NEWS
INDEED! NOW
WE CAN GET
MY PROBLEM
FIXED.

PS 772 40 MAR 17

JACKS HELPS YOU FIND:

- Advisory messages
- CBRN publications
- Demil instructions
- CBRN related links
- Shelf life status info
- CBRN news and announcements
- Specifications and standards
- CBRN frequently asked questions

TO ACCESS JACKS, YOU'LL NEED A CAC CARD OR AN AKO ACCOUNT. GO TO: https://jacks.jpeocbd.osd.mil

IF YOU RUN INTO PROBLEMS,
CALL CBRN-TRC AT DEN 793-7349,
(309) 782-7349,
TOLL FREE (800) 831-4408,
OR EMAIL: Cbrn.irc@mail.mil

CBRN Email Alerts



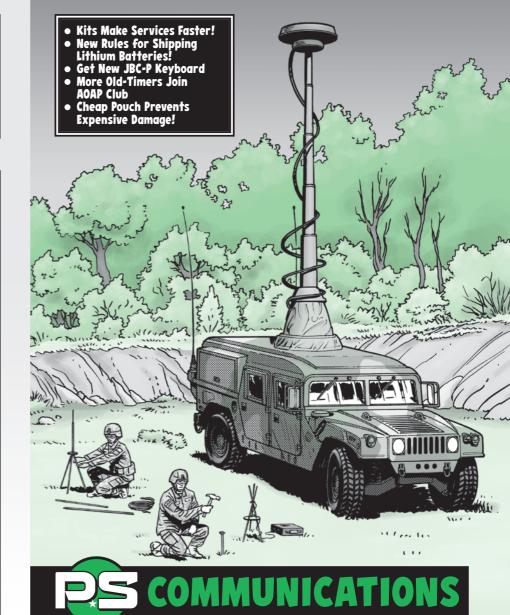
- 1. Log in at the JACKS website.
- **2.** From the Community tab drop-down, click My Profile.
- 3. On the Profile toolbar, click My Subscription.
- 4. In the first section, Step 1: Select Alerts, place a check mark in the box preceding the alerts you want to receive:
 - ___ CBRN advisory messages
 - Demil instructions
 - ___ New CBRN equipment
 - Hot CBRN news
 - ___ Shelf life updates
 - ____ Chem-Bio Defense Magazine

An alert will be sent to you whenever new information is available in these areas.

You can also have messages filtered by a custom equipment list so you get information only on equipment you're interested in.

- 5. In Step 2: Select Alert Frequency, choose if you want to receive messages daily or weekly. You can also choose no message if no updates have been made that day or week.
- 6. In Step 3: Confirm Your Email Address. Alerts will be sent to the email address in your JACKS profile.
- 7. In Step 4: Save Your Subscription, choose either <u>Save Subscription</u> or <u>Cancel and Exit</u> to save or cancel your alert setting. To modify your subscription, follow the steps above. To cancel, click on Unsubscribe.





Kits Make Services Faster!

LIGH. THE ONLY THING WORSE
THAN HAVING TO ORDER ALL THE
INDIVIDUAL PARTS FOR 1000-HR
SERVICES ON MY 150-KW
GENERATOR IS HAVING TO ORDER
'EM FOR 250-HR SERVICES! MAN,
THERE'S GOTTA BE A BETTER WAY!





EVERY MECHANIC KNOWS THE FRUSTRATION OF ORDERING ALL THE INDIVIDUAL PARTS REQUIRED FOR THE 250- AND 1,000-HR SERVICES ON THE 150-KW GENERATOR, NSN G115-12-337-8494.

THE PARTS MAY ALL BE LISTED IN CHAP 6 OF TM 9-6(15-668-13, BUT IT'S STILL A TIME-CONSUMING EFFORT! AND MAINTENANCE GETS HELD UP IF YOU RECEIVE THE WRONG PARTS OR THEY DON'T ALL ARRIVE TOGETHER.





250-HR

KIT

Item	NSN	Qty .
Oil filter element	2940-12-186-7181	1
Gasket	5330-12-156-4524	1
Gasket	5330-12-316-8804	1
Fuel filter element	2940-12-141-2604	1
Gasket	5330-12-156-4806	1
Gasket	5330-12-156-4522	2
Gasket	5330-12-156-5014	3
Gasket	5330-12-174-7775	3
Fuel filter element	2910-12-327-7227	1
Gasket	5330-12-156-4516	6
Fuel filter element	2910-12-122-2772	1
Fuel filter element	2910-12-123-0997	1
Breather diaphragm	4820-12-325-9239	1

	7,	
Item	NSN	Qty
Matched V-belts	3030-12-166-2453	1
Air filter element	2940-12-172-8102	1
Self-locking nut	5310-12-183-0414	1
Preformed packing	5330-12-166-1888	8
Gasket	5330-12-166-4117	8
O-ring	5330-12-304-7689	8
Spring washer	5310-12-142-8171	6
Flat washer	5310-12-176-2267	3
Gasket	5330-12-156-4526	1

5330-12-163-4886

5330-12-304-1480

THE

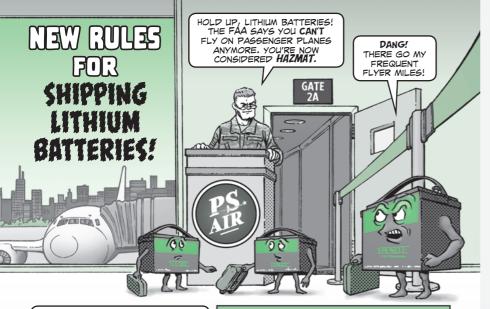
1,000-HR
KIT CONTAINS
THE SAME ITEMS
AS THE 250-HR
KIT WITH THESE

ADDITIONS:

PS 772 45 MAR 17

O-rina

O-rina



THE FAA AND THE INTERNATIONAL CIVIL AVIATION ORGANIZATION ISSUED NEW RULES IN APRIL 2016 FOR SHIPPING BOTH LITHIUM METAL NON-RECHARGEABLE AND LITHIUMION RECHARGEABLE BATTERIES.

THESE ARE THE NEW RULES FOR SHIPPING LITHIUM BATTERIES BY COMMERCIAL CARRIER...



- They must be shipped as HAZMAT.
- They must be packed following the requirements for Class IX hazardous materials, which includes the box they're packed in.
- The manifest must show that they are lithium batteries.
- They must be packed by a certified HAZMAT packer
- There are additional rules for rechargeable lithium batteries:
 - They can't be shipped as spares on passenger planes. But up to two rechargeable batteries less than 160Wh per passenger can be carried on board if the airline approves, but not as checked luggage. And, if the airline approves, two batteries up to 160Wh can be shipped as cargo, but only if they're installed in the equipment they're used in. Batteries more than 160Wh are forbidden on any passenger aircraft.
 - They must be at less than 30 percent charge. The state of charge indicator can be used to approximate this. One bar equals around a 20 percent charge.



IF THE RECHARGEABLE
BATTERY CAPACITY IS
BETWEEN 100Wh AND 160Wh,
THERE ARE ADDITIONAL
RESTRICTIONS.

AND INDIVIDUAL AIRLINES CAN IMPOSE EVEN MORE RESTRICTIONS.

ANY BATTERY THAT HAS BEEN DAMAGED CAN'T BE SHIPPED. HANDLE IT LIKE YOU WOULD A MISFIRED ROUND. BECAUSE THE BATTERY HAS BEEN DAMAGED, IT MUST BE TREATED AS A HAZARDOUS MATERIAL NOT OTHERWISE SPECIFIED (NOS).



THE FAA COULD IMPOSE A FINE OF UP TO \$50,000 FOR SHIPPING A BATTERY THAT WAS NOT IN COMPLIANCE WITH THIS REGULATION.

ARMY AND AIR FORCE AIRCRAFT WILL ABIDE BY THESE NEW RULES EXCEPT IN EMERGENCIES.

ADDITIONAL INFORMATION CAN BE FOUND AT http://www.faa.gov/about/initiatives/hazmat_safety/more_info/?hazmat=7

QUESTIONS? CONTACT LINDA SEUBERT AT (443) 395-3823, OR EMAIL: linda.m.seubert.civ@mail.mil

Computers & Software...

Get New JBC-P Keyboard



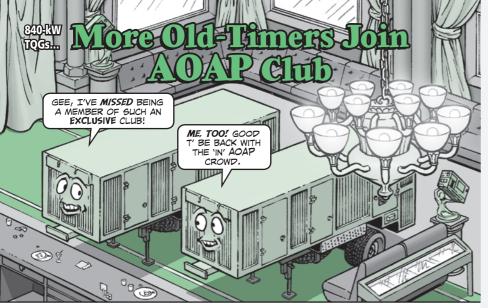
The Joint Battle Command-Platform (JBC-P), LIN C05037, is operated by a keyboard unit. But older keyboards, NSNs 7025-01-609-4251, 7025-01-496-9879 and 7025-01-598-1555, are no longer supplied or repaired.

So when you order a JBC-P keyboard, use NSN 7025-01-623-5349. The new keyboard unit is compatible with older systems. Simply connect it with the supplied cable.

For questions, contact item manager Larry Hall at DSN 648-6437, (443) 395-6437, or email:

larry.l.hall10.civ@mail.com

PS 772 47 MAR 17



OLD EQUIPMENT. MEET NEW RULES!

THE MEP-PU-810 A/B TACTICAL QUIET GENERATORS (TQGS) HAVE BEEN ADDED BACK INTO THE ARMY OIL ANALYSIS PROGRAM (AOAP).

MANY MEP-PU-810 A/B TQGS HAVE A LOW OPERATIONAL TEMPO. YET THE OIL AND FILTER CHANGE IS STILL BEING PONE AT QUARTERLY INTERVALS.

THIS IS A
BIG AND
UNNECESSARY
EXPENSE!

SO THE ARMY HAS FIGURED OUT HOW TO MAX SAVINGS WITH A NEW POLICY.

FOR MEP-PU-810 A/B TQGS OPERATED LESS THAN 250 HOURS PER YEAR, FOLLOW THESE NEW SERVICE REQUIREMENTS:

- Change the oil and filter every 12 months. Once the TQGs are established in the AOAP program, units should follow the recommended guidance provided by the AOAP laboratory.
- For TQGs operated on a regular basis that exceed the 250 hours, follow recommended manufacturer guidance and change the oil and filter every 250 hours. Once the TQGs are established in the AOAP program, units should follow the recommended guidance provided by the AOAP laboratory.

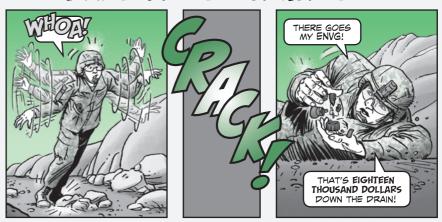
HERE ARE THE TQGS HAVE BEEN ADDED TO	THAT
HAVE BEEN ADDED TO	AOAP:
	\neg

TQG	NSN 6115-	LIN
MEP-PU-810A 840-kW	01-486-4033	G17800
MEP-PU-810B 840-kW	01-486-4032	G17800

QUESTIONS? CONTACT RON GEAN AT DEN 648-6286, (443) 395-6286, OR EMAIL: ronald.d.gean.civ@mail.mil

Night Vision Goggles...

CHEAP POUCH PREVENTS EXPENSIVE DAMAGE!



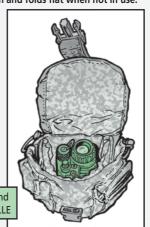
Your night vision goggles (NVG) weren't meant to be stuck in a pocket or backpack when you're not wearing them. One misstep could send you tumbling against something like a rock and—CRACK—your night vision goggles could suddenly go dark.

Avoid damage to your expensive AN/PVS-14 or enhanced night vision goggles (ENVG) with the AN/PVS-14 protective pouch, NSN 8465-01-538-1514, which costs less than \$9. The pouch isn't much larger than an ammo pouch and folds flat when not in use.

The ENVG comes with its own padded carrying case, but it may be too bulky to take to the field.

Store your goggles in the NVG pouch, then insert it in a canteen/general purpose pouch, NSN 8465-01-525-0585. Attach the general purpose pouch to your MOLLE system. You're ready to go and your NVGs are protected but readily available when needed.

Pouch protects NVG and attaches easily to MOLLE

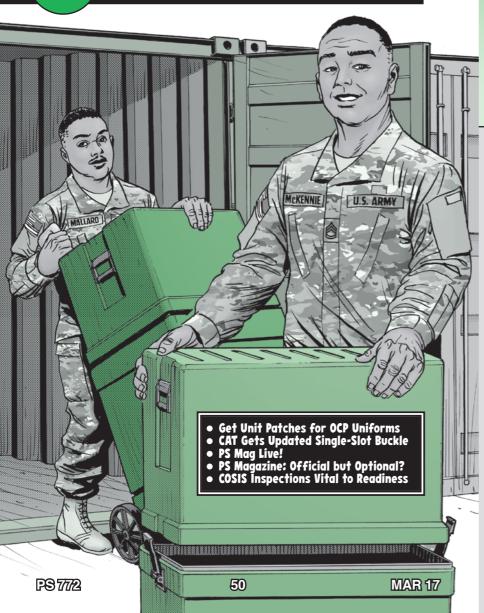




FOR EVERY UNIT.

PS 772 48 MAR 17 PS 772 49 MAR 17

SOLDIER SUPPORT



Get Unit Patches for OCP Uniforms



ARE YOU LOOKING FOR A PATCH FOR THE **NEW** OPERATIONAL CAMOUFLAGE PATTERN (OCP)?

HERE'S A LIST OF NSNS TO HELP YOU ORDER WHAT YOU NEED...

Name	OCP Patch NSN 8455-
100th Training Division	01-654-1453
101st Airborne Division	01-647-5681
104th Training Division	01-654-1456
108th Sustainment Brigade	01-648-0481
108th Training Division	01-654-1458
10th Mountain Division	01-647-6594
10th Sustainment Brigade	01-648-0133
11th Air Defense Artillery Brigade	01-647-9352
11th Armored Calvary	01-648-3617
11th Aviation Brigade	01-654-2234
11th Military Police	01-654-2682
11th Signal Brigade	01-654-2223
12th Aviation Brigade	01-647-6411
13th Finance Group	01-654-3211
14th Military Police Brigade	01-647-9370
155th Armored Brigade	01-647-8970
15th Sustainment Brigade	01-648-0139
16th Combat Aviation Brigade	01-647-5634
16th Engineer Brigade	01-654-1673
16th Military Police Brigade	01-654-2227
16th Sustainment Brigade	01-543-3202
171st Infantry Brigade	01-647-8932
172d Infantry Brigade	01-648-3385
173rd Airborne Brigade Combat Team	01-647-5744

Name	OCP Patch NSN 8455-
17th Combat Aviation Brigade	01-647-6413
17th Field Artillery Brigade	01-654-2181
1889th Regional Support Group	01-654-3586
18th Aviation Brigade	01-654-2235
18th Engineer Brigade	01-648-3386
18th Field Artillery Brigade	01-654-2183
18th Military Police Brigade	01-654-1657
19th Sustainment Command	01-647-5762
1st 75 Ranger Regiment	01-647-6406
1st Armored Division	01-647-5745
1st Aviation Brigade	01-654-1659
1st Cavalry Division	01-647-5743
1st Combat Support Brigade	01-654-3205
1st Engineer Brigade	01-654-1460
1st Infantry Division	01-647-6419
1st Medical Brigade	01-648-4202
1st Signal Brigade	01-647-8935
1st Sustainment Brigade	01-654-2776
20th Aviation Brigade	01-654-2500
20th Engineer Brigade	01-648-3620
214th Fires Brigade	01-648-3630
228th Signal Brigade	01-648-3625

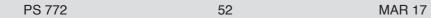


Name	OCP Patch NSN 8455-
23rd Quartermaster Brigade	01-654-358
24th Infantry Division	01-647-574
25th Infantry Division	01-647-659
28th Infantry Division	01-647-568
2nd 75 Ranger Regiment	01-647-640
2nd Armored Division	01-647-575
2nd Infantry Division	01-647-642
300th Military Police Command	01-648-362
30th Armored Brigade	01-647-886
30th Medicare Brigade	01-654-224
31st Chemical Brigade	01-647-886
32nd Army Air Defense Command	01-654-165
33rd Infantry Brigade Combat Team	01-654-127
359th Signal Brigade	01-647-980
35th Air Defense Artillery Brigade	01-647-937
35th Engineer Brigade	01-648-363
35th Signal Brigade	01-654-222
361st Civil Affair Brigade	01-647-935
36th Engineer Brigade	01-648-013
36th Sustainment Brigade	01-654-358
372d Engineer Group	01-648-420
37th Infantry Brigade Combat Team	01-648-338
38th Sustainment Brigade	01-654-357
39th Infantry Brigade	01-647-894
3d Cavalry Regiment	01-648-361
3rd 75 Ranger Regiment	01-647-641
3rd Armored Division	01-647-574
3rd Infantry Division	01-647-642
3rd Signal Brigade	01-654-218
3rd Sustainment Brigade	01-654-319
3rd Sustainment Command	01-647-885

Name	OCP Patch NSN 8455-
40th Infantry Division	01-647-5760
41st Fires Brigade	01-648-3629
41st Infantry Brigade	01-654-1285
42nd Infantry Division	01-647-5665
42nd Military Police Brigade	01-654-2749
43th Military Police Brigade	01-654-1672
449th Aviation Brigade	01-648-0485
44th Medical Brigade	01-654-1664
45th Infantry Brigade	01-648-3384
45th Sustainment Brigade	01-648-0137
48th Chemical Brigade	01-654-3200
48th Infantry Brigade Combat Team	01-654-1725
49th Military Police Brigade	01-648-3612
4th Infantry Division	01-647-6592
4th Maneuver Enhancement Brigade	01-654-3227
4th Sustainment Brigade	01-648-0136
4th Sustainment Command	01-654-1634
501st Military Intelligence Brigade	01-647-9796
504th Battlefield Surveillance Brigade	01-647-9810
525th Battlefield Surveillance Brigade	01-648-4200
53rd Infantry Brigade	01-654-1648
555th Engineer Group	01-648-0130
55th Sustainment Brigade	01-654-2769
58th Infantry Brigade Combat Team	01-647-8978
62nd Medical Brigade	01-654-2498
65th Fires Brigade	01-654-3580
65th Medical Brigade	01-654-3213
66th Aviation Brigade	01-654-2246
67th Battlefield Surveillance Brigade	01-647-8934
69th Air Defense Artillery	01-647-6404

Name	OCP Patch NSN 8455-
6th Cavalry Brigade	01-654-2177
75th Fires Brigade	01-647-5763
75th Ranger Regiment	01-647-6405
75th Ranger Regiment Special Troop Battalion	01-647-6595
75th Training Division	01-654-1284
76 Infantry Brigade	01-654-2499
77th Aviation Brigade	01-654-2774
77th Sustainment Brigade	01-654-1296
78th Training Division	01-654-1361
7th Army	01-648-3381
7th Infantry Division	01-647-6593
7th Signal Brigade	01-647-8966
7th Sustainment Brigade	01-654-1668
800th Military Brigade (333d Military Police)	01-648-4201
807th Medical Command	01-647-8979
80th Training Division	01-654-1363
81st Armor Brigade	01-654-1700
82nd Airborne Division	01-647-5680
84th Training Division	01-654-1368
85th Training Division	01-654-1716
87th US Army Reserve Support Command	01-654-1448
8th Army	01-647-5755
8th Military Police Brigade	01-647-9804
91st Training Division	01-654-1669
926th Engineer Brigade	01-648-0480
95th Civil Affairs	01-648-4205
95th Training Division	01-654-1450
98th Training Division	01-654-1452
Alabama ARNG	01-652-6164
Alaska ARNG	01-652-7375
Arizona ARNG	01-652-6706
Arkansas ARNG	01-652-7383
Army Service Tape	01-589-8264
Army Star Logo Patch	01-646-1038
California ARNG	01-652-7777

Name	OCP Patch NSN 8455-
Colorado ARNG	01-652-8171
Command & General Staff College	01-647-8928
Connecticut ARNG	01-652-6163
Defense Language Institute for Logistics Center	01-647-9808
Delaware ARNG	01-652-5008
First United States Army	01-654-1269
Florida ARNG	01-652-5081
Georgia ARNG	01-654-1683
Guam ARNG	01-654-2232
Hawaii ARNG	01-652-5011
Human Resources Command	01-647-9369
Idaho ARNG	01-652-6705
Illinois ARNG	01-647-8938
Indiana ARNG	01-652-6162
Insignia, 1LT	01-589-8158
Insignia, 1SG	01-589-7035
Insignia, 2LT	01-589-8174
Insignia, BG	01-589-7768
Insignia, COL	01-589-8032
Insignia, CPL	01-589-7026
Insignia, CPT	01-589-8076
Insignia, CSM	01-589-7756
Insignia, CW1	01-589-7185
Insignia, CW2	01-589-7219
Insignia, CW3	01-589-7221
Insignia, CW4	01-589-7164
Insignia, CW5	01-589-7174
Insignia, GEN	01-589-7799
Insignia, LTC	01-589-8087
Insignia, LTG	01-589-7788
Insignia, MAJ	01-589-8134
Insignia, MG	01-589-7776
Insignia, MSG	01-589-7746





Name	OCP Patch NSN 8455-
Insignia, PFC	01-589-7634
Insignia, PVT	01-589-7627
Insignia, SFC	01-589-7646
Insignia, SGM	01-589-7231
Insignia, SGT	01-589-7310
Insignia, SPC	01-589-7292
Insignia, SSG	01-589-7302
Mississippi ARNG	01-652-7379
Missouri ARNG	01-652-7376
Montana ARNG	01-652-8178
Multi-National Force Iraq	01-648-4209
National Training Center, Ft Irwin	01-648-3636
Nebraska ARNG	01-652-8176
Network Enterprise Technology Command	01-647-8933
Nevada ARNG	01-647-8865
New Hampshire ARNG	01-652-7378
New Mexico ARNG	01-652-6157
New York ARNG	01-652-6717
North Carolina ARNG	01-652-8172
North Dakota ARNG	01-652-6764
Ohio ARNG	01-652-8449
Oklahoma ARNG	01-652-8450
Oregon ARNG	01-652-6715
Pennsylvania ARNG	01-652-6177
Puerto Rico ARNG	01-652-5006
Rhode Island ARNG	01-652-7788
Second Medical Brigade	01-654-2239
South Carolina ARNG	01-652-6175
South Dakota ARNG	01-647-8866
Special Operations Command	01-648-4198
Special Ops JTF - Afghanistan	01-648-0483
Tab, Airborne	01-647-5683

Name	OCP Patch NSN 8455-
Tab, Army Ranger	01-647-8929
Tab, Mountain	01-647-6409
Tab, Sapper	01-648-0131
Tab, Special Forces	01-647-9368
Tennessee ARNG	01-652-5003
Texas ARNG	01-652-6167
United States Forces Korea	01-647-5667
US Army Military Police School	01-647-8930
US Army Recruiting Command	01-648-8968
US Army Reserve Command	01-654-2238
US Army ROTC Cadet Command	01-647-9373
US Southern Command	01-647-9795
Utah ARNG	01-652-7374
Vermont ARNG	01-652-8448
Virgin Islands ARNG	01-647-8974
Virginia ARNG	01-652-7778
Washington ARNG	01-652-7783
West Virginia ARNG	01-652-6166
Wisconsin ARNG	01-652-7781
Wyoming ARNG	01-652-5080



...CONTACT THE **DLA CUSTOMER**INTERACTION CENTER TOLL-FREE AT
(877) 352-2255, D6N 661-7766,
OCONUS D6N (312) 661-7766),
(269) 961-7766, OR EMAIL:
dlacontactcenter@dla.mil



CAT Gets Updated Single-Slot Buckle

AS A PEPLOYED SOLDIER, YOU MAY HAVE RECENTLY GOTTEN AN **UPDATED** COMBAT APPLICATION TOURNIQUET™ (CAT).

YES. I'M
WONDERING
HOW IT'S
CHANGED
AND HOW I
CAN USE IT.



THE CAT DESIGN WAS UPDATED,
RESULTING IN TWO DIFFERENT VERSIONS
BEING LISED IN THE FIELD.
HOWEVER, BOTH FALL UNDER
NSN 6515-01-521-7976.

EVERY DEPLOYED SOLDIER
CARRIES A CÂT ON THE
BATTLEFIELD, BLEEDING TO DEATH
IS THE MOST COMMON CAUSE OF
SURVIVABLE DEATH FOR WOUNDED
WARFIGHTERS, THE CAT OFFERS
LIFE-SAVING CARE TO YOURSELF OR A
BUDDY IN A WORST-CASE SCENARIO.

THE NON-PNEUMATIC CAT IS A SMALL, LIGHTWEIGHT TOURNIQUET DESIGNED TO COMPLETELY STOP ARTERIAL BLOOD FLOW TO AN INJURED LIMB.

THE GENERATION 6 CAT MODEL HAS TWO SLOTS ON THE BUCKLE AND CAN BE USED TO EITHER DOUBLE-ROUTE (BUDDY CARE) OR SINGLE-ROUTE (SELF-CARE) THE BELT.

THE NEWER CAT, GENERATION 7, FEATURES A SINGLE-ROUTING BUCKLE THROUGH WHICH YOU FEED THE TOURNIQUET BELT BEFORE TIGHTENING IT WITH THE WINDLAGS (TEXTURED BLACK ROD).



ANOTHER
DIFFERENCE
BETWEEN THE
TWO GENERATIONS
IS THAT THE
FASTENER STRAP
ON THE NEW
MODEL IS GRAY,
WHILE THE OLDER
MODEL HAS A
WHITE STRAP.

ALSO, THE DEVICE'S LOT NUMBER AND "G7" ARE VISIBLE ON THE NEW CAT AND THROUGH THE MANUFACTURER'S PACKAGING.



I HAVE A
GEN 6 CAT.
DO I HAVE
TO REPLACE
IT WITH
THE NEWER
VERSION?



YEAH, I'M
WORRIED
MY GEN G
CAT IS LESS
EFFECTIVE
THAN THE
GEN 7.

THE GEN 7 CAT
SINGLE-SLOT BUCKLE IS
DESIGNED FOR FASTER AND
EASIER APPLICATION, BUT
THE ARMY STRESSES THAT

BOTH MODELS ARE EFFECTIVE!

BOTH HAVE BEEN TESTED AND ARMY MEDICS ARE TRAINED ON BOTH VERSIONS.

PS 772 54 MAR 17 PS 772 55





CAREFULLY READ
THE PRINTED
INSTRUCTIONS
THAT CAME WITH
YOUR CAT.

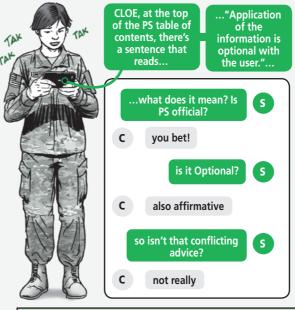
KEEP THE
INSTRUCTIONS
FOR REFERENCE
AND REFRESHER
TRAINING.

THE CAT IS A SINGLE-USE ITEM AVAILABLE FOR ORDER THROUGH UNIT SUPPLY CHANNELS USING NSN 6515-01-521-7976.





PS Magazine: Official but Optional?



THE INFORMATION IN PS IS OFFICIAL BECAUSE EVERY ARTICLE IS REVIEWED AND APPROVED BY THE PROPONENT THAT OVERSEES THAT PROCEDURE OR PIECE OF EQUIPMENT.

SO WHAT YOU READ IN PS IS WHAT HQDA, AMC, THE LIFE CYCLE MANAGEMENT COMMANDS AND OTHER AUTHORITIES WANT OPERATORS, MECHANICS AND SUPPLY PERSONNEL TO KNOW AND DO IN RELATION TO THEIR EQUIPMENT OR TASKS.

THE INFO IS **OPTIONAL**BECAUSE WE KNOW THAT
COMMANDERS MUST WORK
WITH LIMITED MAINTENANCE
BUDGETS, AND SOMETIMES
WE GIVE INSTRUCTIONS
FOR MAKING TOOLS OR
SUGGEST EQUIPMENT
IMPROVEMENTS THAT
ARE GREAT IDEAS BUT
EXPENSIVE.

BECAUSE WE CAN'T TELL COMMANDERS HOW TO SPEND THEIR MAINTENANCE DOLLARS, THEY MUST DECIDE WHETHER TO FOLLOW THE INFO IN PS. BUT THEY'RE SMART IF THEY DO BECAUSE WE'VE GOT THE LATEST AND GREATEST WORD STRAIGHT FROM THE SOURCE. WE'RE ALSO ABLE TO GET UPDATES OUT MUCH FASTER THAN MOST TMS.

THERE ARE SKEPTICS WHO
QUESTION OUR VALIPITY, USUALLY
BECAUSE OF OUR COMIC-STYLE
ART. AR 700-138, ARMY LOGISTICS
READINESS AND SUSTAINABILITY
(FEB 04), EXPLAINS OUR MISSION.

SECTION 5-13 ON PAGE
69 STATES THAT PS IS AN
OFFICIAL TECHNICAL BULLETIN
AND READING IT SHOULD
BE A REGULAR PART OF
MAINTAINING UNIT READINESS.

5-13. The Preventive Maintenance Monthly

This is an official technical bulletin published monthly by DA and distributed throughout the Army. It is intended to enhance materiel readiness by identifying and emphasizing proper maintenance and supply procedures. Review of PS magazine should be a regular part of unit readiness initiatives.

-AR 700-138



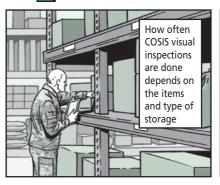
PS 772 56 MAR 17 PS 772 57 MAR 17

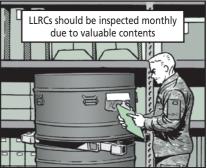
Supply Management... S Inspections To Readiness MAGTER SERGEANT HALF-MAST, I WAS TOLD I NEED TO DO COSIS COSIS STANDS FOR CARE OF SUPPLIES PRIVATE-YOU ON MY SUPPLIES IN STORAGE, SO CAN'T BUY IN STORAGE, WHICH WHERE CAN I BUY SOME COSIS? COSIS IS A CUSTODIAL RESPONSIBILITY

COSIS IS COVERED IN VOLUME 5 OF DOD MANUAL 4140.01,
DOD SUPPLY CHAIN MATERIEL MANAGEMENT PROCEDURES: DELIVERY OF MATERIEL.



THINK OF COSIS LIKE PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) FOR SUPPLIES IN STORAGE!





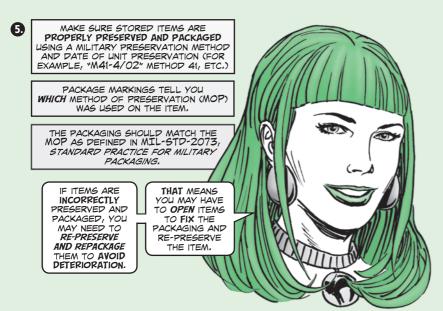






- 1. Check storage areas for insect infestation, rodents or other pests that can damage stocks.
- 2. Check storage areas for water leaks that may cause fungi, mildew or spoilage.
- **3.** Inspect items for any water that may have pooled on packages, drums or long-life reusable containers (LLRCs).
- 4. Identify and properly label items with military markings per MIL-STD 129, Military Marking for Shipment and Storage. Make sure all markings are legible!

PS 772 58 MAR 17 PS 772 59 MAR 17



Check humidity indicators on LLRCs and change desiccants as needed. For a detailed article on humidity indicators, see Pages 19-21 in PS 752:

https://www.logsa.army.mil/psmag/archives/PS2015/752/752-19-21.pdf

7. Inspect shelf-life (SL) items and assign condition codes by properly identifying, managing and using SL items on first-in first-out basis. This avoids costly waste. Never open an SL item before use, since that makes it deteriorate faster. You'll find more shelf-life pointers on Pages 50-51 in PS 710:

https://www.logsa.army.mil/psmag/archives/PS2012/710/710-50-51.pdf

8. If you have stored items that are subject to electrostatic discharge (ESD), make sure they are clearly marked and handled with an ESD field service kit when not in their protective packaging. Also ensure that the packaging isn't perforated, stapled or opened. ESD items are extremely sensitive and might fail if damaged by improper handling or packaging. To learn how proper packaging protects repair parts, see Pages 40-41 in PS 752:

https://www.logsa.army.mil/psmag/archives/PS2015/752/752-40-41.pdf

9. Store supplies in the proper environment, not exposed to unnecessary elements. Find out what type of storage your item requires by looking at the "Army Packaging" tab in FED LOG. Check the Type of Storage (TOS) code. The TOS tells you how and where to store items to keep them safe. Learn more about protecting components in storage on Pages 52-57 in PS 740:

https://www.logsa.army.mil/psmag/archives/PS2014/740/740-52-57.pdf

10. Last, once you determine an item's condition, record it in GCSS-Army. That way, when the item is needed, it can be requested quickly through the supply system.

WOW! I
NEVER KNEW
COSIS
WAS SO
IMPORTANT.

THE GOALS OF THE COSIS
PROGRAM ARE TO ENSURE
THAT THE TRUE CONDITION
OF MATERIAL IS ALWAYS
KNOWN AND RECORDED...

...THAT ACCURATE RESOURCE NEEDS ARE
ESTABLISHED, AND THAT MATERIAL IS MAINTAINED
AND READY TO MEET SUPPLY DEMANDS.

I KNOW THAT'S

A LOT OF INFO, BUT
PROPER COSIS
INSPECTIONS
CAN PREVENT
DETERIORATION,
REDUCE LOSSES
AND INCREASE ARMY
READINESS!







IN THE MEANTIME, FOR COSIS GUIDANCE, CALL THE LOGISTICS SUPPORT ACTIVITY'S PACKAGING, STORAGE AND CONTAINERIZATION CENTER AT DSN 795-5319, (570) G15-5319, OR EMAIL: usarmy.tyad.usamc.mbx.pt@mail.mil



DISTRIBUTION: To be distributed in accordance with the initial distribution number (IDN) 340312, requirements for the TB 43-PS-Series.

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

PS 772 60 MAR 17

LOUD NOISE HARMS YOUR HEARING!





WEAR HEARING PROTECTION!