

ISSUE 735 FEBRUARY 2014

TB 43-PS-735, The Preventive Maintenance Monthly, is an official publication of the Department of the Army providing information for all Soldiers assigned to combat and combat support units and all Soldiers with unit maintenance and supply duties. All information published has been reviewed and approved by the agency responsible for the equipment, publication or policy discussed. Application of the information is optional with the user. Masculine pronouns may refer to both genders. The use of product or company names does not constitute endorsement of those products, services or companies by the U.S. Army. The use of non-Dob hyperlinks, along with their content, does not constitute endorsement by DoD or DA. Neither DoD nor DA exercises any editorial control over, and cannot vouch for, content on non-DoD websites.

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You are invited to send PS your ideas for improving maintenance procedures, questions on maintenance and supply problems and 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

Arsenal, AL 35898.

Redstone Arsenal, AL 35898

Or email to:

half.mast@us.army.mil or

usarmy.redstone.logsa.mbx.psmag@mail.mil Internet address:

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

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Administrative Assistant to the Secretary of the Army

1335303

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). Bldg. 3303. Redstone



If TM Says Do It, Do It! Otherwise, Don't!





If Soldiers followed these two simple rules, they would save themselves and their equipment a lot of trouble.

The Army spends a great deal of time preparing operator technical manuals that tell you exactly what you need to do to keep your weapon, vehicle, aircraft, or radio operating smoothly.

If you follow the PMCS and other maintenance instructions in the -10 TM with true dedication, you have an excellent shot of not having any trouble with your equipment. And even if you do, the TM's troubleshooting chart will often help fix the trouble.

But if you think you can improve on what the TM instructs you to do, then you're asking for trouble. For example, using a commercial sight on your M16 rifle or a different lubricant than what the TM lists, can leave you missing the target or, even worse, not being able to fire at all because your rifle jammed.

Also, just because something has an NSN doesn't mean it's OK to use. A particular lubricant might be fine for your M16 rifle, but definitely shouldn't be used on the MK 19 machine gun. Once again, your TM has the word. Follow it and you should be OK.

If you aren't sure you understand something in the TM, contact your local logistics assistance office (LAO). The LAO has equipment experts who can clear up your confusion.

Let your TM be your guide and you will stay on the road to success.

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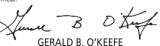
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By order of the Secretary of the Army:

RAYMOND T. ODIERNO

General, United States Army Chief of Staff

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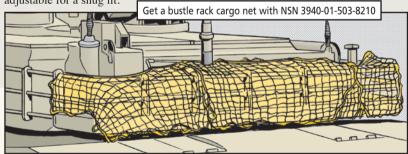
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Trewmen, heading out to the field means taking a **lot** of gear. So make sure your bustle rack is equipped to handle everything you'll need.

Get an adjustable cargo net made especially for your M1's bustle rack with NSN 3940-01-503-8210. The net hooks into place over the bustle rack and is easily adjustable for a snug fit.

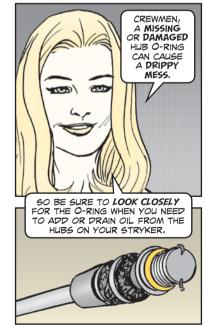


A three-position molded nylon clamp locks a clinching rope, which goes around the entire net. Each net comes with a bag for storage and instructions on how to attach it to the rack.

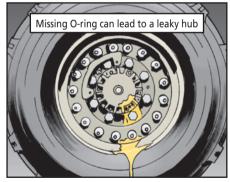
Also, if you find that you have more gear than your M1's bustle rack can handle, order an extension kit, including the hardware, with NSN 2590-01-496-4092. The extension kit will fit all M1-series tanks' bustle racks, including ones equipped with an external auxiliary power unit.

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A missing or damaged O-ring means you won't get a good seal and the hub can leak. If the leak's bad enough, the hub goes dry and the bearings can burn up.



Replace missing or damaged O-rings with NSN 5330-12-156-4524. If the old O-ring is undamaged, wipe it off before reinstalling the plug. If there's a lot of dirt or sand on the O-ring, it won't seal properly and you've got leak problems all over again.

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FOR THE FIGURE AND ITEM NUMBERS LISTED HERE, CROSS OUT NON 5331-01-481-3965, CAGE OGGM9 AND PART NUMBER KADAC 1195.

Figure	Item	Figure	Item
222A	11	231A	3
225A	4	237A	1
229C	3	237B	2
230A	3	238B	2

REPLACE THEM WITH NSN 5331-01-418-2974, CAGE 81343 AND PART NUMBER AS3581-018.

FEB 14



Experience is never a substitute for the education you get from your vehicle's TM. Sadly, a seasoned mechanic found that out the hard way. While replacing the cab hydraulic cylinder on an M1078 LMTV, the 3,000-lb cab dropped on him. He didn't survive.

Mechanics, make sure you follow the guidance in the TM **every time** you work on vehicles. You'll find the procedure for replacing the cab hydraulic cylinder in your FMTV's maintenance TMs. They call for the use of a cab support tool that keeps the cab from falling.

Your unit can order the cab support tool using NSN 2590-01-559-7459. It can be used on FMTV -A0, -A1, and -A1R trucks and is included with the FMTV field-level maintenance special tools kit, NSN 5180-01-545-9967. There's no requirement for a cab support tool to be used on FMTV -A1P2 LTAS trucks.

Or the life-saving cab support tool can be made using flat bar steel, a piece of angle iron, and Insulgrip (PN H.S. 105VW-1). You can use the fabrication details that start on Page E-6 of TM 9-2320-365-20-4.

Keep in mind that if your unit doesn't have a cab support tool, you shouldn't be doing maintenance that requires it. Make sure you use either a cab support tool or a suitable lifting device to protect yourself.

On the work order, show the truck in a "P" status until the tool is available. That means it's NMC for lack of facility, tools, test equipment or completion of intra-shop work requests.

Use cab support tool when required by TM procedure

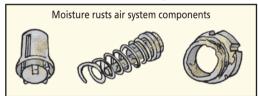
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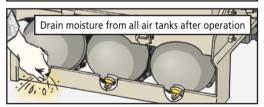


Operators, air and water aren't a winning combination if they mix. That's why you've gotta drain the air tanks on your FMTV every day after operation.

If you don't, moisture builds up. It creates corrosion that plugs up the entire air system, including brake valves and cylinders, CTIS filters, and gladhands. It can lead to brake failure, too!

So make sure you drain the water from each air tank at the end of each day. Just open each tank's valve until no more moisture comes out. Then close the valve tightly when you're done.







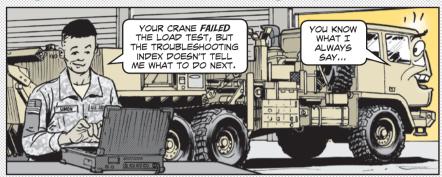


AN OPEN
VALVE ALLOWS
CONDENSATION TO
BUILD UP IN THE
TANK OVERNIGHT,
WHEN YOU CLOSE
THE TANK IN THE
MORNING, JUST
BEFORE YOU'RE
READY TO DRIVE,
WATER GETS
TRAPPED INSIDE
THE TANK, MORE
WATER MEANS MORE
CORROSION.

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M1089A11MTV...

WHAT'S THE NEXT STEP FOR WRECKER LOAD TEST?





Dear Half-Mast,

I have been trying to load test an M1089A1 wrecker's material handling crane. But the maintenance support device (MSD) doesn't have a fault in the troubleshooting index for "crane fails load test."

Where do I go from here?

SFC T.D.S.

Dear SFC T.D.S.,

During the load test, there are notes that tell the tester to refer to "troubleshooting" to determine failure of the crane's overload protection system.

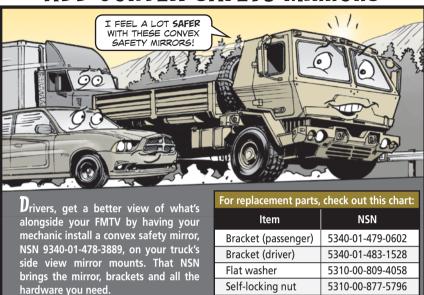
Enter "troubleshooting" and type in the serial numbers for the truck and transmission when prompted.

Next, select "electrical system" and "material handling crane." Once you're in the MHC section, there are plenty of selections you can make.

Half-Mast-

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FMTV... ADD CONVEX SAFETY MIRRORS



M1077 PLS Flatrack...

GET STOWAGE BOXES FIXED OR REPLACED

Are the stowage boxes on your M1077 flatracks damaged or missing? You can't order a replacement box and TM 9-2320-364-14&P doesn't have the procedures for repairing them.

But you still need the boxes for secure, waterproof storage of tiedown straps. So what to do?

Your local support can make or repair the boxes using plans that are available by request. Just send a quick email to:



usarmy.detroit.tacom.mbx.ilsc-pls2@mail.mil

Or drop a line to Half-Mast at:

half.mast@us.army.mil or usarmy.redstone.logsa.mbx.psmag@mail.mil

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Mechanics, when the wood decking in your M870/A1 semitrailer cracks and buckles, don't replace it with unapproved wood or rubber/composite products.

Unapproved products will just create bigger problems, like sagging, bent rails, cracked welds and busted cross members.

Purpleheart or apitong wood are the way to go when replacing the decking. These woods are stronger and more durable than other woods or composite boards. They resist rotting and ultraviolet rays, repel water and require little maintenance.

Purpleheart and apitong are also denser than other woods, so you'll need a carbide blade to cut them. Same goes for drilling holes. Use carbide-tip drill bits.

Apitong wood comes as a kit, NSN 5510-01-525-6325. The kit has all the wood you need for your semitrailer for just under \$5,700. Purpleheart wood, NSN 5510-01-454-8568, must be purchased by board feet (BF). It takes 325 BF to re-deck your trailer, so the cost is a little over \$2,000.

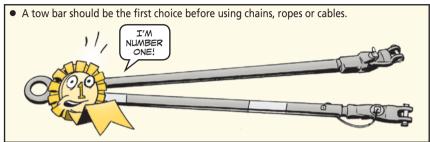
When ordering purpleheart wood, keep in mind that the boards will come in random widths and lengths. The boards range from 4 to 10+ inches wide with lengths running from 8 to 17 feet. So while purpleheart costs less than the apitong wood kit, you'll need to do more planning and cutting when re-decking your semitrailer.

Oil Preserves Decking

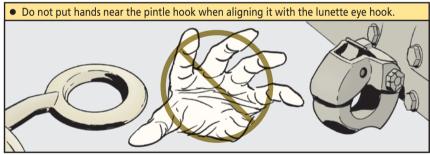
Constant exposure to the elements can eventually cause even these woods to dry, crack and splinter. Prevent that damage by spreading boiled-linseed oil on the decking. NSN 8010-00-684-8789 gets five gallons. Use NSN 8010-00-242-6114 for a 55-gal drum. Re-treat the deck whenever water stops beading on the surface.

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- When using a tow bar, also connect a safety chain between the two vehicles in case the tow bar breaks or disconnects. Use a chain with an appropriate load rating.
- If a tow bar is unavailable, connect cables, chains or ropes to the pintle of the prime mover and to the lifting shackles of the towed vehicle.



- If you must tow in heavy traffic, tie the front lifting shackles of the towed vehicle tightly to the rear lifting shackles of the prime mover and connect the air brake lines.
- Use a ground guide when moving a disabled vehicle. The ground guide must remain visible
 to the driver at all times. See Chapter 11-4, Section (9)h in AR 385-10, The Army Safety
 Program (Oct 11), and Pages 26-37 of this issue for more ground guide rules and tips.
- Never allow anyone to stand between the two vehicles when the prime mover is backing
 up to the disabled vehicle.
- Never allow anyone but the driver to ride in the disabled vehicle being towed.
- Prior to towing, make sure all personnel are clear of vehicles before removing wheel chocks.

- Use reasonable speed for road conditions. The maximum speed limit when towing off road is 15 mph. On paved roads (highways), speed can be increased to 25 mph. However, terrain, weather and other conditions may require keeping speed lower.
- Avoid making sharp turns when towing. Keep turning speed at 5 to 10 mph to reduce skidding risk.
- Before disconnecting the vehicles, make sure both vehicles are on level surfaces with wheels chocked.

Avoid hills with greater than a 20 percent incline.
 The weight of a disabled vehicle can push or pull the tow vehicle, causing loss of control.



Know Before You Tow

- Review towing procedures in vehicle TMs and FM 4-30.31, Recovery and Battle Damage Assessment and Repair (Sept 06).
- Recovery operations are a specific skill set. A trained vehicle recovery specialist (additional skill identifier H8) should be part of the recovery team whenever possible.
- Warning: If a disabled vehicle's brakes are not working, do not try to flat tow it. Call
 for dedicated wrecker support.



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Last Four Numbers Determine Shelf Life



When conducting personal business, you sometimes have to give the last four numbers of your social security number. But that's not the only last four numbers that can give you key information. The last four numbers in the DOT code on tires tell you when the tires were produced.

Shelf Life Guidance

For serviceable tires on the shelf, use the DOT code to figure out how many weeks are left on the tire. The code on the sidewall of the tire will say "DOT" then show a series of characters. The last four numbers are the week and year of manufacture. The first two are the week of the year and the second two are the last two numbers of the year.



Tires have a 60-month or a 5-year shelf life from the date of manufacture to be put into service. For example, a DOT code ending in 5109 means that it was manufactured in the 51st week of 2009. So the unit has until the 51st week of 2014 to get that tire off the shelf and on a vehicle.

Once a tire's in service, you can keep using it until it becomes unserviceable. You still need to inspect tires for cracking, bulges, damage, low inflation and uneven wear while doing your vehicle's PMCS. If your vehicle is in storage, make sure you crank it up and exercise the tires sometimes.

For more on tires, eyeball TM 9-2610-200-14 (Sep 05).

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RTCH...

STARTING TAKES A GIGGT TOUCH







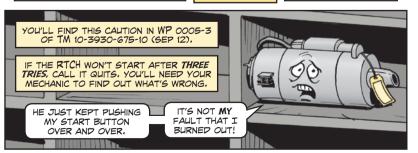




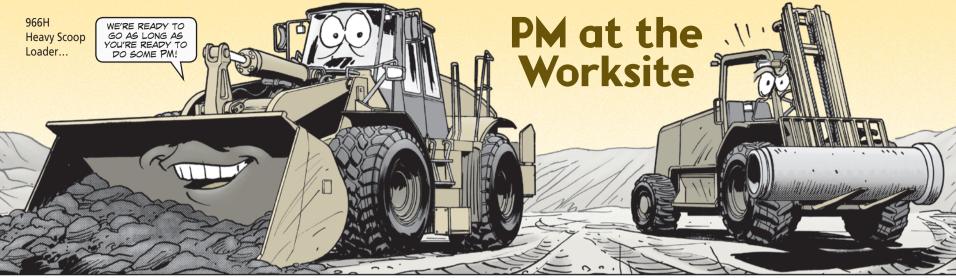
COLD WEATHER AND BURNED-OUT ENGINE STARTERS SEEM TO GO HAND-IN-HAND.

THAT'S BECAUSE ROUGH TERRAIN CONTAINER HANDLER (RTCH) OPERATORS ARE KNOWN TO HAVE A STICKY FINGER WHEN IT COMES TO THE STARTER!

WHEN YOU'RE TRYING TO START YOUR CONTAINER HANDLER, NEVER KEEP THE STARTER ENGAGED FOR MORE THAN 30 SECONDS. IF THE ENGINE DOESN'T START BY THEN, STOP! GIVE THE STARTER AT LEAST TWO MINUTES TO COOL OFF BEFORE TRYING AGAIN.



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Battery Disconnect Switch

Use the wheel loader's battery disconnect switch whenever the vehicle will sit idle for a month or longer. If the switch is left in the ON position, the batteries can lose their charge. No juice means your loader will need a slave start to get back to work on the construction site.

Whatever you do, don't use the battery disconnect switch to turn off your machine. That's what the ignition switch is for. Using the disconnect switch to shut down will fry your loader's electrical circuits. You'll find this info in the CAUTION on WP 0004 00-6 of the -10 TM.

By the way, when the battery disconnect switch is turned off, battery power is retained for another 30 seconds. That gives the vehicle's electronics enough time to shut down properly.

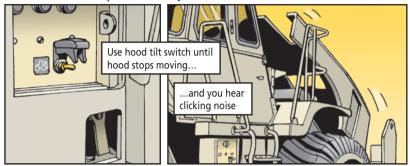




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Hood Tilt Switch

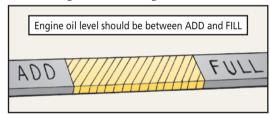
Just below the battery disconnect switch is the toggle switch for the vehicle's hood tilt. Pay close attention to the CAUTION on WP 0004 00-26 of the -10 TM. Use the switch to open or close the hood only until the hood stops moving. When the hood stops, you'll hear a clicking noise. That's your signal to release the switch. If you don't, you'll burn out the hood's actuator motor! The toggle switch automatically returns to the middle position when you release it.



Engine Oil Level

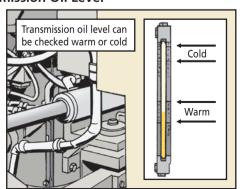
Check the oil level before operation while the engine is shut off. Open the service door on the right side of the vehicle and remove the dipstick. Wipe it off, slide it back in place, and then remove it once more to get a clean reading.

The oil level should be between the ADD and FULL mark on the dipstick. It can take as much as a gallon to reach the FULL mark from the lowest point on the crosshatched area of the dipstick.



Transmission Oil Level

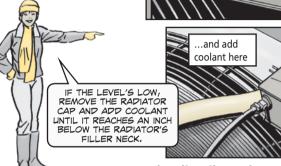
The transmission oil level sight gage is on the front of the transfer case on the left side of the vehicle. The red indicator should be within the WARM IDLE range when the oil is warm and the machine is running at low idle. The red indicator should be within the COLD START range when the oil is cold and the engine is not running. If necessary, open the fill cap and add oil through the filler tube.



Coolant Level

Open the access door on the left-rear side of the vehicle to access the coolant level sight gage. You'll find the gage on top of the radiator. With the engine off, check the level in the sight gage. It should be at least half full.

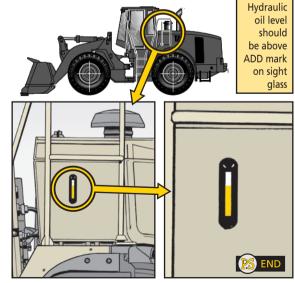




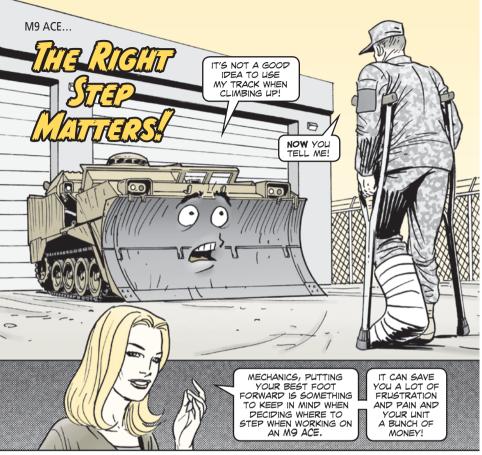
Hydraulic Oil Level

Look for the hydraulic tank on the left side of the machine behind the cab. Before checking the tank's oil level gage, make sure the loader's lift arms are lowered and the bucket is flat on the ground. That way you'll get an accurate reading.

Check the oil level before operation with the engine shut off. Make sure the level is above the ADD mark on the sight. If necessary, remove the filler cap and slowly add oil.



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Use the Rear Step

USE ONLY THE STEP AT THE REAR OF THE ACE TO CLIMB IN AND OUT OF THE VEHICLE, INCLUDING THE BOWL.

DON'T USE THE TRACK AS A LADDER TO GET INTO THE BOWL.

IF THE VEHICLE'S
HYDRAULICS SETTLE,
YOUR FOOT CAN GET
CRUSHED BETWEEN
THE TRACK AND
FRONT TRACK GLARD
(FLORIDA PLATE).



Starter Master Relay

THE EARTHMOVER'S STARTER
MASTER RELAY DOES A
GREAT JOB-UNLESS YOU
DECIDE TO USE IT AS A PLACE
TO REST YOUR SIZE 12S.

WHEN PULLING OUT THE VEHICLE'S FLOORBOARDS FOR CLEANING, SOME MECHANICS STEP ON THE RELAY'S PROTECTIVE BOX.

IT DOESN'T TAKE MUCH WEIGHT TO BREAK THE BOX'S MOUNTING BRACKET. THAT SHORTS OUT THE STARTER MASTER RELAY AND THE ACE WON'T START!

SO KEEP
YOUR BOOTS
OFF THE
RELAY'S
PROTECTIVE
BOX.



Exhaust Hose

REMEMBER TO STAY
OFF THE EXHAUST HOSE
INSIDE THE ENGINE
COMPARTMENT.

THE HOSE MAY LOOK LIKE A CONVENIENT FOOTREST WILLE YOU'RE WORKING ON THE ENGINE, BUT YOUR WEIGHT BREAKS THE HOSE CLAMPS.

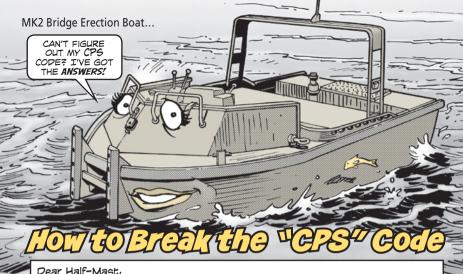


A BUSTED
CLAMP MEANS
EXHAUST GAS
VENTS DIRECTLY
ONTO THE
BATTERIES AND
COOKS 'EM.

ENGINE
EXHAUST CAN
ALSO SEEP
INSIDE THE
VEHICLE, THAT'S
NOT GOOD FOR
YOUR HEALTH!

REPLACE A BROKEN CLAMP WITH NSN 5340-01-183-6863. SO EYEBALL THE EXHAUST CLAMPS, SNUG UP THE HOSE AND TIGHTEN ANY LOOSE CLAMPS,

PS 735 19 FEB 14



Dear Half-Mast,

TM Supplement SMI 5-1940-277-12&P-1 (Sep O4) for our MK2 bridge erection boat has several part numbers with the code "CPS" beside them. The part numbers don't cross to an NSN and we can't figure out what that code means. How do we order those parts?

SSG R.H.W.

Dear Sergeant R.H.W.,

The "CPS" prefix you see on those part numbers stands for Cummins Power Systems, the boat's manufacturer. CPS parts were never provisioned, so there are no NSNs. You'll need to order those parts directly from Cummins.

Contact the military sales POC, Keith Higdon, at (410) 762-1429, (410) 590-8731 (FAX) or by mail:

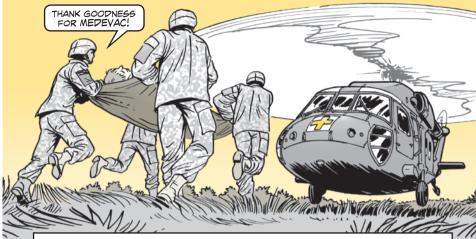
Cummins Power Systems, LLC Industrial and Military Engine Sales C/O Territory Manager 1907 Park 100 Drive Half-Mast Glen Burnie, MD 21061

		SMI 5-1940-277-12&P-1				
2) ER	(3)	(4)	(5) PART	(6)		
ÞE	NSN	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (
	CPS parts must be ordered directly from manufacturer			GROUP		
	directly from	Il Illallulactulel		FIG. 1 STARBOARD ENGINE COOLANT SUCTION HOSES		
ZZ ZZ	ZZ 15434 CPS -044 ZZ 15434 CPS -045			HOSE		
27	15434 CPS- 016			CLAMP, HOSE		

PS 735 **FEB 14** Click here for a copy of this article to save or email.

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

MEDEVAC PORTAL OPEN FOR BUSINESS



EVERY TOOL THAT HELPS HELICOPTERS HELP INJURED SOLDIERS IS AN ADVANTAGE

AND NOW THERE'S A NEW ONE!

The newest tool, the MEDEVAC Enterprise Portal, is now online, ready to serve your needs and help you help others with MEDEVAC issues. The MEDEVAC Enterprise Portal is hosted on AKO by the Medical Evacuation Proponency Directorate (MEPD) using the AKO and Milsuite platforms.

The MEDEVAC Enterprise Portal uses AKO's unlimited file storage to provide MEDEVAC units and team members a designated area for uploading, storing, and sharing files. It also includes information on upcoming MEDEVAC Enterprise meetings and user surveys. You can find the portal by searching for MEDEVAC on AKO or directly at:

https://www.us.army.mil/suite/page/684746

MilSuite is a collection of online applications that allow Soldiers to communicate securely throughout the entire DOD. Join the MEDEVAC conversation at:

https://www.milsuite.mil/book/groups/ army-air-medevac-operations

If you want to know the latest happenings in the MEDEVAC community, check out both portals now. You'll be glad you did. When using portals and forums, remember that your TMs are the **only** approved authority for maintenance. Always verify portal information with your AMCOM LAR before using it. And get your commander's okay before implementing it.

All Aircraft...



Handling Aircraft Fire Extinguishers

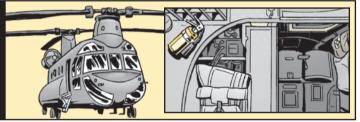
MECHANICS, QUESTIONS KEEP SURFACING ABOUT HOW MANY PORTABLE HANDHELD FIRE EXTINGUISHERS (HHFE), NSN 6830-00-555-8837, SHOULD BE ONBOARD YOUR HELICOPTERS. SO LET'S PUT THE ISSUE TO REST.

A Black Hawk requires





A Chinook requires **3**



A Kiowa Warrior requires



An Apache requires

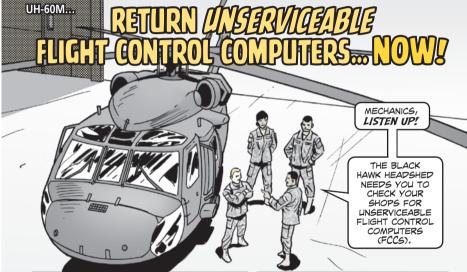




Paragraph 8-6 of AR 95-1, Flight Regulations, doesn't tell you where to install fire extinguishers, but only that fire extinguishers are required on aircraft.

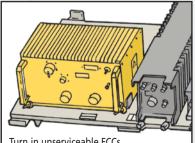
The bulk of information you need to know about fire extinguishers is in Para 2-5c,(1) through (5) on Page 2-7 and 2-8 of TM 1-1500-204-23-1, *General Aircraft Maintenance*. Chapter 2 covers fire extinguisher use in hangar and shop operations.

For those who work on or fly AH-64D/E aircraft, the Apache is required to have one authorized fire extinguisher: NSN 4210-01-495-7617.



IF YOU HAVE ANY OF
THESE BLACK BOXES-NSNS
6615-01-558-8744, 6615-01-576-4325,
6615-01-574-3402, OR 6615-01-599-7108THAT NO LONGER WORK, TURN THEM IN
THROUGH THE SUPPLY SYSTEM.
A PROGRAM IS UNDERWAY TO REPAIR
UNSERVICEABLE FCCS.

TURNING IN UNSERVICEABLE ASSETS ALLOWS THE REPAIR PROGRAM TO CONTINUE SPARES SUPPORT... AND THAT KEEPS YOUR AIRCRAFT FROM BEING GROUNDED FOR A LACK OF SERVICEABLE FLIGHT CONTROL COMPUTERS.



Turn in unserviceable FCCs through supply system for repair

PS 735 23 FEB 14



Need Help With the SKRAM?

Dear Sergeant Blade,
We noticed that Air
Warrior is issuing the
survival kit ready access
modular (SKRAM),
PN 1005991-1, to
deploying aviation units.
Does SKRAM replace
the aircraft modular
survival system (AMSS)
and how do we take care
of the SKRAM?

SGT J.P.J.

Dear Sergeant J.P.J.,

Those are good questions. I'm sure every ALSE tech wants the scoop on SKRAM, so here it is.

The SKRAM is designed to give your aviation units an additional means to secure survival equipment. It is composed of two bags with shoulder harnesses. The SKRAM for the aircraft has the insert for the mandatory minimum survival items. Each aircraft gets a certain number of bags. UH-60 gets 4, OH-58D gets 2, CH-47F gets 5, AH-64D gets 2 and the LUH gets 2. The inserts include:

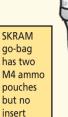


- Survival food packets, 3600 calories each 1
- Chemical lights, green 2 each
- Chemical lights, IR 2 each
- Water storage bag, any size 1
- Survival blanket 1
- Survival manual 1
- Muslin bandage 1
- 550 cord, 50 ft. 1
- Water purification tablets 1
- Emergency water packets, 4 oz. 10 each

SKRAM for aircraft gets mandatory minimium survival insert

A second SKRAM bag is issued to each crew member as a go-bag but does not include the insert. It does include two ammo pouches for M4 magazines.

Make a note, though. Units have the option of exchanging it for the AMSS and there is no NSN for the SKRAM yet. So don't try to order it. All deploying units will be issued the SKRAM equipment directly from Air Warrior. The rest will get the SKRAM when the supply increases.





Until then, all the information you need for proper use and care of the SKRAM is in Chapter 117 of TM 1-1680-377-13&P-7 (Mar 12).

Make sure you follow the AMSS PMCS found in the TM for the 360 (+/-6) days periodic inspection for the SKRAM.

What To Do With Non-Standard AGSE





YEAH! YOU SHOULD KNOW, WE **DO** HAVE COMMERCIAL MANUALS ON THE JTDI WEBSITE!



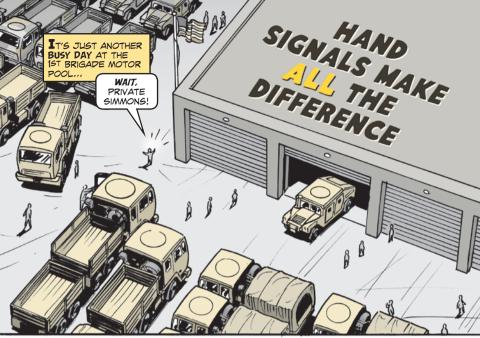


Mechanics, do you have non-standard aviation ground support equipment (AGSE) around the hangar that needs maintenance and repair but has no TM?

If the answer is yes, here's some information to get non-standard equipment like aircraft wash systems, John Deere tractors, and cranes up to par. Use the commercial manuals that are available on the Joint Technical Data Integration (JTDI) website: https://upw.itdi.mil

It is CAC-enabled. Once there, click on the AGSE tab and then click on <u>Non-Standard</u> AGSE in the middle of the page to view the list of equipment manuals.

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PS 735 26 FEB 14 Click here for a copy of this article to save or email.

Story continues on page 33

HELICOPTER **GROUND GUIDE SIGNALS**

Note: When directing a taxiing helicopter, the signalman's position is slightly to the right, in full view of the pilot, at a safe distance of no less than 40 meters (or no closer than 20 meters during slingload operations). The signalman should never stand in front of an armed helicopter.

Cut Engine/Stop Either arm, level with shoulde

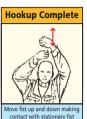
and nalm down Draw

extended hand across neck

Load Not Released

right hand up to center of

horizontally across chest with knuckles down, Point open,



on top of helmet.



from horizontal position to

indicate tail movement. Point

other hand toward center of

spot turn.





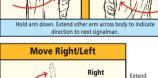
left arm with palm down.

















Extend arms slightly away from side with nalms to rear Repeatedly move arms up and back from shoulder height.



Place arms by sides with palms forward. Sweep arms forward and upward level with shoulders repeatedly.



vertical position with palms facing forward.

Go Around.



Left

Extend arms horizontally to sides with palms down. Drop hands to sides.

horizontally



Hover

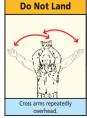
Extend arms horizontally to sides with palms down. For landing helicopter, aircraft should be in normal hover height and just short of landing point, depending on forward speed.

Depart

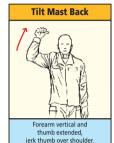
with right hand ending with

throwing motion in direction

of lift-off



FORKLIFT GROUND GUIDE SIGNALS



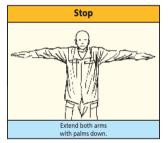












FOR PRINTABLE PDFS OF THE GROUND GUIDE POSTERS ON PAGES 28-32, GO TO: https://www.logsa.armu.mil/ psmaq/pslinks.cfm



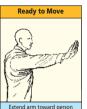
Editor's note: Camouflage patterns, helmets and safety vests have been removed for signal clarity.

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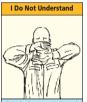
COMBAT AND TACTICAL VEHICLE GROUND



Extend arm sideways, slightly above horizontal; palm to front; wave arm to and from head several times.



Extend arm toward person being signaled; then raise arm slightly above horizontal. palm outward.



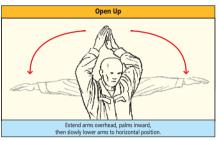
Raise both arms to horizontal with arms bent. Place both hands across face with palms forward.



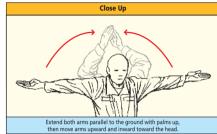
wrists above head with palms to front.



upward with open hand. palm uppermost.



GUIDE SIGNALS









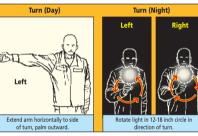


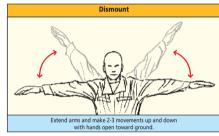
understood

Increase Speed (Day)

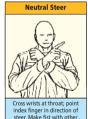


traffic to stop vehicles or turn off engine.









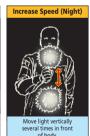
hand. (Note: For tracked

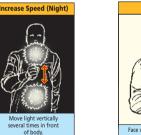
vehicles.)



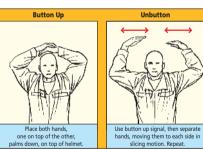
across body in throat-cutting

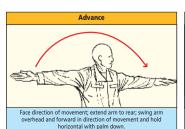






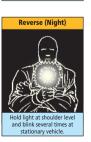


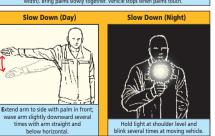






rapidly several times.







MOBILE CRANE GROUND GUIDE SIGNALS

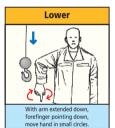


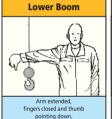
Stop With arm extended to the side and palm down. swing arm back and forth.















forward and hand open and

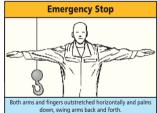
slightly raised,

make pushing motion in

Use both fists in front of

body to make circular motion

indicating direction of travel.





closed, thumb pointing up.

Other arm bent slightly with

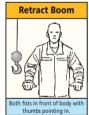
forefinger pointing down and

Raise Boom

Arm extended.

fingers closed and thumb

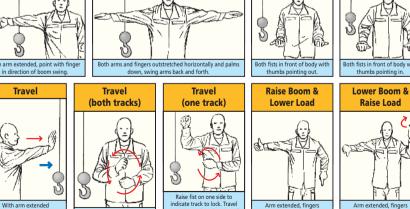
pointing up.



closed, thumb pointing down.

Other arm bent slightly with

forefinger pointing up and



opposite track in direction of

circular motion of other fist in

front of body. (Note: Crawler

cranes only.)







PS 735



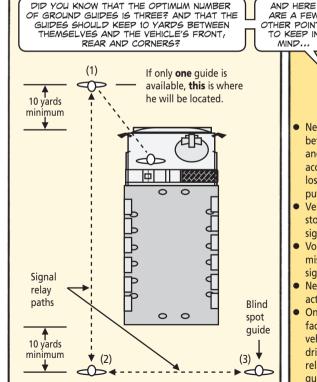




IT'S NOT JUST ABOUT THE SIGNALS, PRIVATES YOU ALSO NEED TO KNOW WHEN GROUND GUIDES ARE NEEDED, WHAT EQUIPMENT IS NEEDED FOR GROUND GUIDING, AND WHERE TO POSITION YOURSELVES.







ARE A FEW OTHER POINTS TO KEEP IN MIND ...



 Vehicle operators should stop immediately if they lose sight of their ground guide.

put you in danger.

- Voice signals can be misunderstood. Use hand signals only.
- Never walk backwards while acting as a ground guide.
- Only the ground guide facing the front of the vehicle gives signals to the driver. All other guides relay signals to the driver's auide (1).

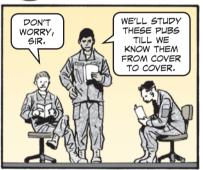
PS 735 35 FEB 14





FM 21-60, VISUAL SIGNALS, HAS A LIST OF STANDARDIZED HAND AND ARM SIGNALS USED BY GROUND GUIDES. TC 21-305-20, MANUAL FOR THE WHEELED VEHICLE OPERATOR, AND TC 21-306, TRACKED COMBAT VEHICLE DRIVER TRAINING, HAVE A LOT OF INFO ON WHERE, WHEN AND HOW TO USE GROUND GUIDES.

MAYBE
THEY'LL
KEEP YOU
OUT OF
MESSES LIKE
THIS IN THE
FUTURE.

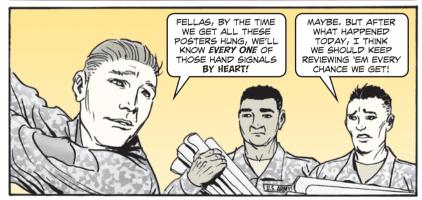












37

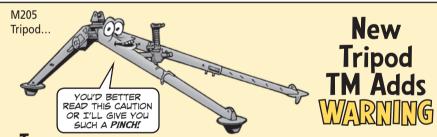


Dear Half-Mast The new M249 TM 9-1005-201-23&P (Apr 13) does not show the same configuration for the pistol grip as the previous version did.

Fig C-7 in the old version showed the pistol grip, NSN 1005-01-306-9442; a pin, NSN 5315-01-309-7192; and the locking plate assembly, NSN 1005-01-131-1911. Fig 8 in the new version shows only the pistol grip. Is this a mistake?

SGT M.S.





he M205 tripod will soon replace the M3 tripod. Unfortunately, a general safety warning was left out of the M205's TM 9-1005-437-13&P.

The most recent edition of the TM adds the caution. You can download the TM at: https://www.logsa.army.mil/etms/online.cfm

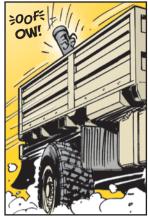
WARNING **PINCH HAZARD**

Use caution when placing hand or fingers near tripod pinch points. Keep hand and fingers clear of pinch points when releasing leg(s). The operator must wear gloves during SETUP and BREAKDOWN. Failure to comply may result in pinching bare fingers. Seek medical attention if necessary.

PS 735 **FFB 14** Click here for a copy of these articles to save or email.

Mortars... PROTECT COMPONENTS CONTAINING TRIJUM

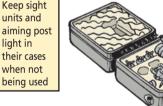






Mortars use sighting devices that contain radioactive tritium. If one of these devices gets banged around and broken, the tritium can leak out. That poses a health risk if it gets on your skin. Plus, any radiation leakage must be reported to the local radiation safety officer.

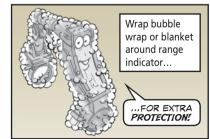
So it's in your best interest to do everything possible to protect all components containing tritium. That's not as much of a problem when it comes to the M64A1/M67 sight units and the M58/M59 aiming post lights. They have hard cases you can keep them in when they're not being used.



But things get trickier with the 60mm cannon tube. Its range indicator contains four separate tritium lamps. If it's left unprotected and unsecured in the back of the truck, it can roll around and get banged up by other equipment. It doesn't take too big a blow to break one of those lamps.

So before you hit the road, make sure the 60mm cannon tube is secured so it can't roll every which way. If possible, give the range indicator extra protection by wrapping it in bubble wrap or a blanket.

If one of the range indicator lamps fails to light up, something is wrong. You need to report it to your radiation safety officer.



PS 735 **FEB 14**

Mortars...

TRAIN TO MAINTAIN







Mortar units were fortunate for several years to have the small arms readiness evaluation teams (SARET) do much of their maintenance as part of RESET.

That's over. Now units, specifically 91F small arms/artillery repairers, are totally responsible for keeping their mortar systems at 10/20 standards. This includes the M95/M96 mortar fire control system mounted (MFCS-M), the M150/M151 mortar fire control system-dismounted (MFCS-D), and the M326 mortar stowage kit (MSK).

Small arms/artillery repairers need to make sure they receive training for these systems through the Maintainer New Equipment Training (MNET). And once they receive the training, they need to train the unit's other 91Fs. That way the unit won't lose knowledge when a trained 91F is transferred.

Request training through your chain of command. If you have mortar questions, send an email to: us.army.detroit.tacom.mbx.ilsc-mortar-systems@mail.mil

Or contact one of these TACOM POCs:

Kevin Horn, DSN 786-1219, (586) 282-1219, or email:

kevin.m.horn2.civ@mail.mil

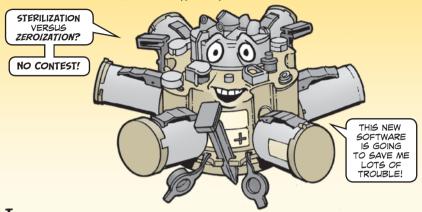
Joe Leigh, DSN 786-1223, (586) 282-1223, or email:

joseph.t.leigh.civ@mail.mil

PS 735 40 FEB 14 Click here for a copy of this article to save or email.

M7 Spider Munition Dispensing Set...

NEW SOFTWARE PREVENTS STERILIZATION



he M7 Spider munition dispensing set, NSN 1230-01-536-0128, has new operating software that lets operators prevent sterilization of the munition control unit (MCU) after a tamper event. Before, the MCU had to be replaced by the ammunition supply point after a tamper event.

A tamper event occurs when the MCU detects a tilt or other motion, movement of the power switch, or removal of critical components like the munition or battery cover.

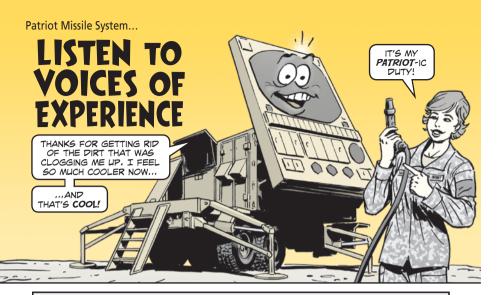
Here's how the new software affects the MCU response:

Tamper type	Old MCU (TS04) Action	New MCU (TS09) Action
Power switch movement	15-minute delay sterilize	15-minute delay. Disable timer begins count-down to zeroization once in sense mode
Tilt (motion) 15-minute delay sterilize		15-minute delay. Disable timer begins count- down to zeroization once in sense mode
Removal of critical components	Sterilize immediately	15-minute delay. Disable timer begins count- down to zeroization once in sense mode

What's the difference between sterilization and zeroization? Sterilization is the immediate destruction of system crypto, COMSEC, TRANSEC, hope set and message authentication key variables, followed by the arming fuse being blown and the batteries drained. Once that happens, the MCU has to go to depot to be reworked.

Zeroization, on the other hand, wipes out the same key variables, but once the MCU batteries are removed and reinserted, the MCU is back in business. No trip to depot is necessary.

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Dear Editor,

Working with the Patriot here at Ft Bliss, we've come up with a few suggestions that will help other Patrioteers:

Check CLET Daily During Operations

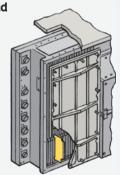
The AN/MPQ-53 radar's cooling liquid electron tube (CLET) can run low on coolant. When that happens, you start getting ECU faults and eventually the CLET motor can burn out. That shuts down the radar transmitter. But don't rely just on the CLET gage. It's not always reliable. Use the rod to check for the proper coolant level. Order coolant with NSN 6810-01-229-9828.

One other CLET tip: The CLET refill pump comes with a nipple. *Don't lose that nipple!* You need it for the pump and it's nearly impossible to det a replacement.

Clean Circuit Cards in Radar and Engagement Control Station

Units are usually good about cleaning inside the radar and the ECS, but they don't open the circuit card drawers and check for dust. If enough dust collects on the circuit cards, they overheat and malfunction. Your intermediate maintenance should use low pressure air (20 psi or less) to blow the cards clean. Check the drawers for dust as part of your regular cleaning procedure. Tell maintenance if you find any.

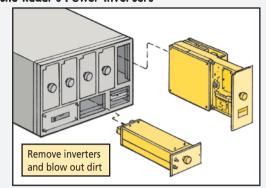
Check circuit cards for dust as part of PMCS



Clean the Radar's Power Inverters

If dust collects behind the inverters, air flow is limited. The inverters overheat and fail. Your intermediate maintenance should remove the inverters and their components every two months in the desert and blow all the racks clean with low-pressure air. Quarterly is often enough elsewhere. Be careful, though, removing inverter cables. They're fragile.

CW2 Michael Smith SGT Joshua Rogers SPC Nicholas Griffin 2/43rd ADA Ft Blies, TX



Editor's note: You are indeed the voices of experience. Thanks for sharing.

PS Mag Live!



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or half.mast@us.army.mil

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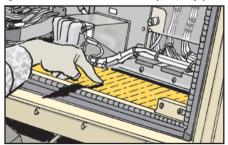




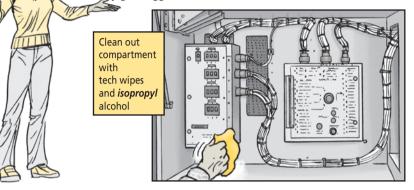
If you're in a combat environment, clean all eight filters every day. If you're not in combat, clean them weekly. Blow them clean with low-pressure air. It's even better to have two sets of filters you can swap out. When you remove one set, wash them out and let them air dry. What happens if you don't keep the filters clean? They clog up and the Sentinel's electronic gear overheats. You start getting faults and components shut down. Just keeping the filters clean is the best way to keep your

Clean all 8 filters daily in a combat environment. Otherwise, clean them weekly.

Sentinel alert.



If dirt builds up inside the Sentinel, electrical connectivity suffers, plus components can overheat. Use tech wipes and **isopropyl** alcohol to clean out the inside of the compartment. Don't use plain rubbing alcohol because it takes off the protective finish. Don't use water, either. It will cause corrosion and connectivity problems. Clean the cable connections with isopropyl alcohol, too. They get clogged with dirt.



MAKE SURE ALL POWER IS OFF BEFORE CLEANING.

REMEMBER, THE SENTINEL PRODUCES A HUGE AMOUNT OF VOUCES A HUGE AMOUNT OF VOUCED WELL-PONE IF YOU FORGET TO TURN OFF THE POWER BEFORE CLEANING.

CHECK THE GENERATOR VOLTAGE AND FREQUENCY AFTER THE SENTINEL WARMS UP.

CLEAN

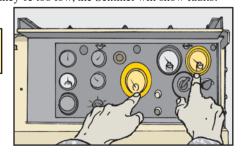
INSIDE THE

SENTINEL...

Sometimes the Sentinel's voltage and frequency can fluctuate during startup. After the Sentinel has been running 10 minutes, make sure the voltage is 208 VAC and the frequency is 400 Hz. If voltage and frequency are too high, the circuit cards could be damaged. If they're too low, the Sentinel will show faults.



Check for 208 VAC and 400 Hz



FEB 14

HOW LONG ARE CANISTERS GOOD FOR?



Dear Half-Mast,

We do inspections of CBRN rooms for the National Guard. Our understanding is that M40/M42 and M50 mask canisters are good for six months in a non-chemical environment and 24 hours in a chemical environment. Is this correct?

SGT A.G.

Dear Sergeant A.G.,

No, canisters are good for much longer. If you're operating where there have been no chemical attacks and no blood agent CK (cyanogen chloride) threat, change the canister annually.

In an area with no confirmed chemical attacks but a CK threat in a climate that's cold and humid or warm and moderately humid, change the canister annually. Change it every 39 weeks when it's hot and dry. Change it every 10 weeks when it's hot and humid.

For units that have been hit by chemical attacks, change the canister every 30 days.

Whenever a Soldier has trouble drawing breath through the canister, it should be changed.

For more information, see FM 3-11.4, Multiservice Tactics, Techniques and Procedures for NBC Protection. If you don't have a copy, go to:

http://armypubs.army.mil/doctrine/Active FM.html

For the most current information on serviceability of canisters and filters, go to the Joint Acquisition CBRN Knowledge System JACKS) website:

https://jacks.jpeocbd.osd.mil/Default.aspx

Unopened canisters have a 5-year renewable shelf life.



M50 Time Patch

M50 canisters have the same standards as those for the M40. But you should also pay attention to the time patch for the M50 canister. If it turns blue, that signals humidity has degraded the canister filter.



M50 time patch turns blue when humidity has degraded filter

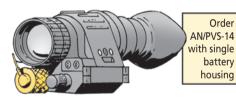
Half-Mast

PS 735 46 FEB 14 Click here for a copy of this article to save or email.



Don't try to insert the cartridge by pushing on it one side at a time. You might break one of the latches inside the housing. Those latches hold the cartridge in place. If you break one, field maintenance will have to replace the battery housing.

You can no longer order the dual battery housing, NSN 5855-01-444-1233. It's a terminal item. Instead, order the single battery housing, NSN 5855-01-523-4058. The dual and single housings are interchangeable.



Remove and Insert the Battery Cartridge

To **remove** the battery cartridge, squeeze the tabs on each side of the cartridge and pull straight out.

While you have the cartridge removed, apply a light coating of lubricant, NSN 9150-01-132-8871, to the O-ring.

To **insert** the battery cartridge, squeeze the tabs on each side of the cartridge. Push it straight into the housing until you feel the latches click into place.

If you're having trouble removing or inserting the cartridge, it might be damaged. Send it to field maintenance.

One other piece of advice: The battery cartridge is small. It often gets lost or misplaced. So, when the cartridge is removed, stow it someplace where it's easy to find.





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A FIRST-CLASS TENT MAKES A WORLD OF DIFFERENCE WHEN YOU'RE ROUGHING IT IN THE FIELD

IT'S THE DIFFERENCE BETWEEN COMFORT AND MISERY ...







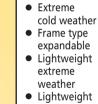




(PS) MORE



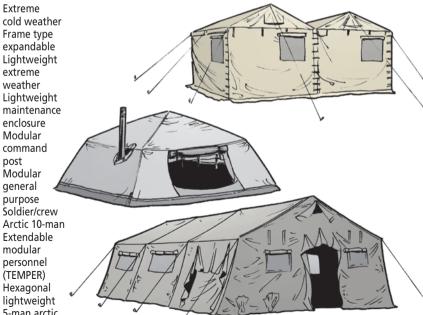




enclosure Modular command post

- Modular general purpose
- Soldier/crew
- Arctic 10-man Extendable
- modular personnel (TEMPER)
- Hexagonal lightweight 5-man arctic

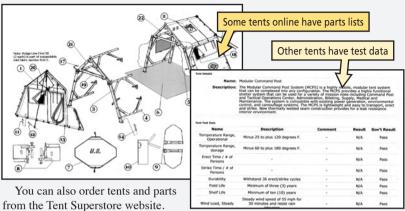




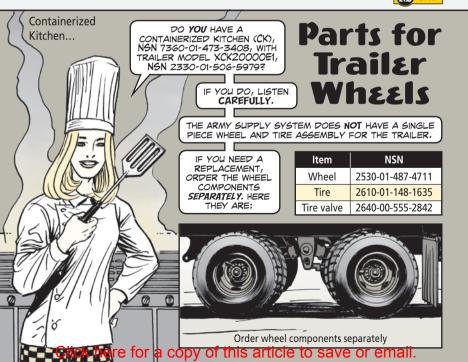
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The details include NSNs, key features, descriptions, product specifications, photos and TM numbers. Some tents have parts lists with NSNs or drawings with labels. Other tents have test data on temperature range, field and shelf life, wind and snow load, and resistance to rain.



For more information, call Defense Logistics Agency (DLA) Troop Support's James Vitrano at (215) 737-3046. Or email: james.vitrano@dla.mil PS END



DISCUSSING DETERGENT Laundry Advanced



• Use only the approved laundry detergent, NSN 7930-01-506-7081, in the LADS. The detergent and the anti-foam compound, NSN 6850-01-506-6533, are found in the Expendable and Durable Items List in WP 0068 of TM 10-3510-221-10 (Jul 08). Order them through normal supply channels.

The detergent is not hazardous to the environment. It won't poison the soil or the ground water. Even so, the water left over from a normal washing cycle may need waste water disposal treatment. Washing oily clothes, for example, might create hazardous waste water. Always check with your unit's HAZMAT officer about proper disposal of laundry waste water.

- Use only 1 ounce (one pump of the dispenser) of detergent for each drum-load of laundry. The amount is clearly spelled out on WP 0014-7 of the -10 TM. Make sure you read the CAUTION statements, too.
- Figure out how much detergent and anti-foam compound you'll need to order to support the LADS. The amount needed depends on the number of laundry cycles per day times the number of operating days. Read the **Consumables Planning** section in WP 0069 of the -10 TM for more details.



Remember

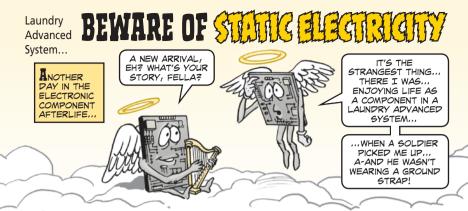
USING THE WRONG

- DETERGENT OR TOO MUCH DETERGENT CAN CAUSE ...

- too much sudsing.
- overflowing of wash and rinse tanks.
- the LADS's still to boil over, leading to clogged pre-filters and coalescing filters, and dirty recycled water.

PS 735

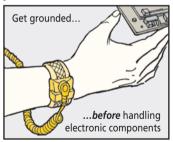
FEB 14

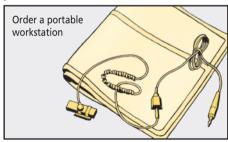


The laundry advanced system (LADS) has a lot of electronic components. Problem is, some of them are getting damaged needlessly.

Electronic components are sensitive to electrostatic discharge (ESD)—in other words, the discharge of static electricity. ESD can degrade or destroy transistors, resistors and integrated circuits in the LADS. ESD is especially common in areas of extreme, dry heat—places such as deserts, where humidity is very low.

The damage comes when you troubleshoot the LADS. Some of you handle electronics without proper grounding. When that happens, static electricity on your body discharges. You don't feel the discharge or see the damage—but it's there. A spark of as little as 30 volts can destroy electronics.





Protect electronic components by handling them only at a static-safe workstation. NSN 5920-01-250-4237 brings you a portable work surface, a common point ground system and a wrist strap.

For more information, see the ESD article on Pages 48-54 of PS 719 (Oct 12). You'll find it on the *PS Magazine* website:

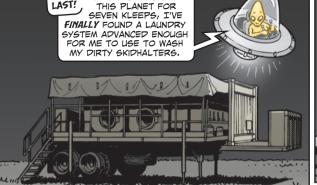
https://www.logsa.army.mil/psmag/archives/PS2012/719/719-48-54.pdf

The article discusses grounding, resistance checks and protecting sensitive electronics from ESD. It also contains NSNs for ordering static-safe workstations, portable work surfaces, field service kits, anti-static bubble wrap and cushion pouches.

PS 735 FEB 14 Click here for a copy of this article to save or email.

Laundry Advanced System...

AIR LINE CRACKS



AFTER SEARCHING



ver time, intense heat and sunlight can damage the air line hoses on the laundry advanced system (LADS). As the rubber or plastic drys out and breaks down, the lines crack and tear easily.

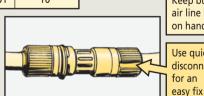
That's why it's important to have replacement parts on hand for your LADS especially if you're deployed. You'll need bulk air line hose, quick disconnects and push lock plugs. All items have a ¹/₄-in outer diameter. Here are the NSNs:

Item	NSN	Suggested amount
Air line hose, rubber	4720-01-481-4070	100 feet
Air line hose, plastic	4720-01-481-4083	100 feet
Quick disconnects	4730-01-481-4262	20
Push lock plugs	4730-01-481-1661	10

The quick disconnects especially

come in handy. Use them for a fast,

easy fix on air hoses. Just cut away





the damaged part of the hose and attach the quick disconnect between both cut ends. All LADS hoses are labeled for easy identification. If you trim a piece of hose

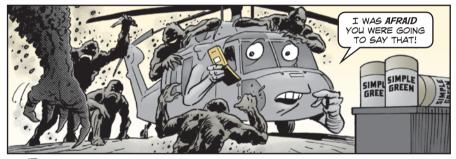
containing the ID label, keep the label and attach it to the repaired hose. Or you can write the ID information on plastic tape with an indelible marker. Then apply the tape to the repaired hose.

PS 735 **FEB 14**

AMCOM's Environmental Hotline Fields Your FAQs







Do you have questions about maintenance services for aviation platforms and missile support systems?

If the answer is yes, you've got a red phone connected right to the top. AMCOM G-4 has a hotline that gives real-time support to aviation and missile personnel. Call if you have:

- environmental questions or concerns.
- problems with AMCOM weapons systems acquisition.
- maintenance issues at the depot or field levels.

AMCOM hotline answers and advice are good to go because they are reviewed and approved by subject matter experts at the Aviation and Missile Research Development Center.

No question is too small. If the topic falls outside their lane, they will redirect you to the correct POC. All requests are logged and assigned a ticket number. A response should come within 72 hours.

You can call DSN 897-1711, (256) 313-1711, or email:

usarmy.amcom-environmental@mail.mil

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AMCOM'S SHAREPOINT ALSO LISTS FREQUENTLY ASKED QUESTIONS (FAQS) AND HAS AN ONLINE LIBRARY OF DOCUMENTS FOR YOUR RESEARCH. HERE ARE SOME SAMPLES OF THE KIND OF FAQS AND ANSWERS YOU'LL FIND THERE...

Why does the Army have so many Chemical Agent Resistant Coatings (CARC) in the specifications?



THESE TOPCOATS (REFERENCE MIL-TIL-53072E) WERE REFORMULATED FOR IMPROVED PERFORMANCE AND COMPLIANCE WITH ENVIRONMENTAL LAWS (NO HAZARDOUS AIR POLLUTANTS IHAPSI AND VARYING AMOUNTS OF VOLATILE ORGANIC COMPOUNDS IVOCSI, DEPENDING ON TYPE).

ENVIRONMENTAL REGULATIONS AND AMBIENT CONDITIONS VARY THROUGHOUT THE LIS, SO IT'S IMPORTANT THAT YOU SELECT THE RIGHT CARC TOPCOAT FOR YOUR REGION.

FOR HELP IN MAKING THE RIGHT CARC TOPCOAT SELECTION, CONTACT THE AMCOM ENVIRONMENTAL HOTLINE.

Does the denatured alcohol I'm using For cleaning aircraft meet environmental regulations?



IF YOU ARE PERFORMING AIRCRAFT
MAINTENANCE AND ARE SUBJECT TO CERTAIN
EPA REGULATIONS, THE DENATURED
ALCOHOL YOU'RE USING FOR HAND-WIPE
CLEANING MAY OR MAY NOT BE COMPLIANT.

ACCORDING TO EPA REGULATIONS, HAND WIPE CLEANERS MUST **NOT** HAVE A VAPOR PRESSURE EXCEEDING 45MW/HG, THIS IS USUALLY SPECIFIED IN THE MATERIAL SAFETY DATA SHEET (MSDS).

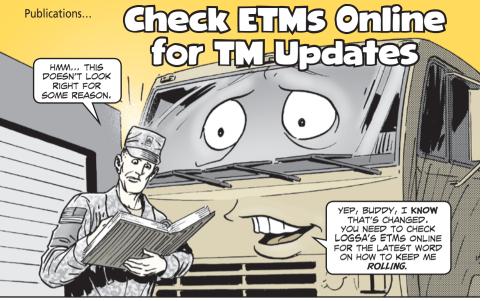
To check if you're using the correct product and if you're in compliance, contact the AMCOM Environmental Hotline for guidance. They can also recommend other compliant products that are approved for hand-wipe cleaning.

For more info about aviation and missile hand wipe cleaners, also see Pages 22-23 in PS 730: https://www.logsa.army.mil/psmag/archives/PS2013/730/730-22-23.pdf

For more FAQs and answers, check out the AMCOM SharePoint portal at:

https://amcomsp.redstone.army.mil/default.aspx

Or visit Half-Mast on Facebook at: http://www.facebook.com/halfmast.mccanick







YOU CAN STILL GET THE LATEST WORD ON YOUR EQUIPMENT.

PS 735

ELECTRONIC TECHNICAL MANUALS (ETMS)
ARE POSTEP AT THE LOGISTICS SUPPORT
ACTIVITY'S (LOGSA) WEBSITE, HERE'S HOW
TO FIND OUT IF YOUR TMS HAVE BEEN
UPPATED, GO TO:
https://www.logsa.army.mil/etms

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Click here for a copy of these articles to save or email.

ENTER YOUR TM NUMBER
AND COMPARE YOUR TM'S
PATE TO THE ONE SHOWN ON
THE WEBSITE. IF THEY DON'T
MATCH, DOWNLOAD THE
NEWER VERSION.

JUST ENTER YOUR PUB NUMBER IN THE PUB NUMBER FIELD.

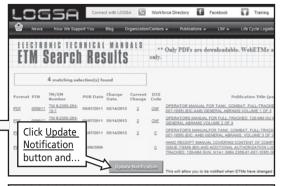
ON THE NEXT
SCREEN, CLICK THE
UPDATE NOTIFICATION
BUTTON NEAR THE
BOTTOM OF THE SCREEN.

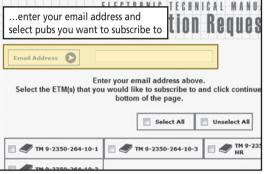
ON THE NEXT SCREEN, SELECT YOUR PUB(S) AND FILL IN YOUR EMAIL ADDRESS.

CLICK <u>CONTINUE</u>, YOUR SUBSCRIPTION WILL BE CONFIRMED, AND YOU WILL BE NOTIFIED WHEN THERE IS A CHANGE TO YOUR PUB IN ETMS ONLINE.

IF YOU HAVE QUESTIONS OR NEED HELP FINDING A SPECIFIC PUB, CONTACT LOGSA'S TECH PUBS ETM CUSTOMER SERVICE AT (800) 270-1409, OR EMAIL:

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





1-Stop NCO Training Shop

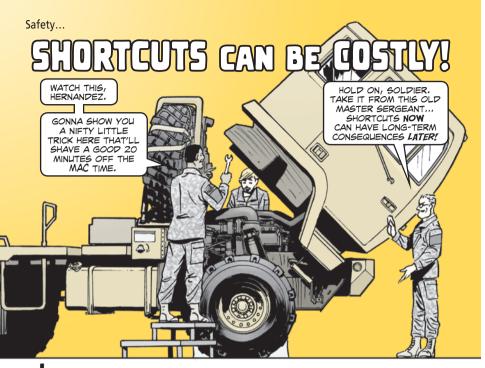
The Army Training Network (ATN) added a new feature, NCO Corner, to make it easier to find info on specific NCO subjects of interest. It's a "one-stop shop" covering everything from Army training doctrine to the many resources that help NCOs train.

ATN's NCO Corner was built by NCOs for NCOs. They want to hear from you. Send Army training-related topics or suggest focus areas that you want to see on the NCO Corner. Submit ideas at:

https://atn.army.mil/ frm_askTrainer.aspx

ATN's NCO Corner covers wide range of topics





It's true that when it comes to maintenance, there's often more work that needs to be done than there is time to do it. That's when it becomes tempting to cut corners.

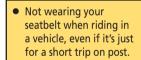
But motor pools and maintenance bays are magnets for risk. There are chemicals, heavy equipment, sharp tools and other hazards around.

When you take safety shortcuts or ignore safety procedures, you risk stumbling, literally and figuratively. That's because trying to save a pinch of time now can cost lots more in the long run, especially when you add up potential injury costs, lost work hours and damaged equipment.



THE KEY
TO STAYING
ON SAFETY'S
STRAIGHT PATH IS
RECOGNIZING AND
AVOIDING RISKY
SHORTCLITS IN
THE FIRST PLACE,
HERE ARE SOME
EXAMPLES...

- Using chemicals without reading and following label precautions and material safety data sheet (MSDS) instructions.
- Not putting on proper respiratory protection when entering an area where hazardous chemicals or substances are being used.



 Using the wrong tool for a job. Maybe it's because you don't have the time or patience to hunt down the right one, but the reason doesn't matter if things go wrong.



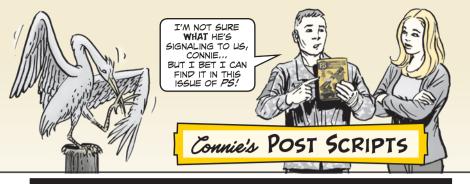


But the biggest consequence of shortcuts may be the chance that you'll pass on unsafe habits to new Soldiers, even unknowingly. You may be unaware of the danger until someone gets hurt or killed using a shortcut they saw you use.

Good safety practices are everyone's responsibility and education is the key. For more info, including materials and tools on starting, improving or sustaining your unit's safety program, visit the US Army Combat Readiness/ Safety Center website:

https://safety.army.mil

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HET Engine Belt NSN Change

Get the HET M1070A1's primary engine belt with NSN 3030-01-617-1203. The old NSN, 3030-01-598-2522, is a terminal item. Make a note until the IETM, EM 0310, is updated.

MSG HALF-MAST STARS IN OPERATIONAL ENERGY VIDEO

Everything you've wanted to know about operational energy in the Army is here in a nutshell. PS Magazine's MSG Half-Mast comes to life in a HQDA G-4 video that debuted at the 2013 AUSA conference. View it on milTube:

https://www.milsuite.mil/video/watch/newvideo/5326

DOLs Now LRCs

As part of the Army's changing logistics systems and a transfer to AMC management, the Directorates of Logistics (DOLs) are now known as Logistics Readiness Centers (LRCs). The Army's 73 LRCs serve Soldiers at their home stations with installation supply, maintenance and transportation support. LRCs cover food service, ammunition supply, clothing issue facilities and initial issue points, hazardous material, bulk fuel, personal property/household goods, passenger travel, non-tactical vehicles, rail and garrison equipment.

GCSS-Army Reminder

Remember to check the GCSS-Army website for alerts, updated fielding and training schedules and other important info. Visit: https://gcss.army.mil/

Or sign up to get automatic notifications at: https://gcss.army.mil/Support/register.aspx

M989A1 HEMAT Tow Bar Extension Kit

Improve the turning radius of your M989A1 HEMAT trailer with a new tow bar extension kit, NSN 2540-01-460-9082. If you need to replace any of the hardware that comes with the kit, use these NSNs and units of issue:

- Nut. NSN 5310-00-067-6356, 1 ea
- Flat washer, NSN 5310-00-809-8533, 100 ea
- Screw, NSN 5305-00-947-4364, 1 ea

M1074A1/M1075A1 PLS Service Kits

Get the semiannual service kit for your M1074A1/M1075A1 palletized loading system (PLS) with NSN 4910-01-621-1957. The annual kit comes with NSN 4910-01-621-1667 and includes the semiannual kit.

FEB 14

MRAP M-ATV Blower Motor NSNs

There are three blower motors available for the M-ATV's HVAC system. But only one—the 24V front blower motor, NSN 2930-01-576-4596 (PN 2KK135)—is listed in TM 9-2355-335-24P (Feb 13). Until they're added to Fig 203 of the TM, get the 12V front blower motor with NSN 6105-01-520-5889 (PN RD-5-9194-0P) and the 24V rear blower motor with NSN 6105-01-517-5739 (PN RD-3-7383-1P).

FREE Ensemble Update

Page 23 of PS 715 (Jun 12) said the fire resistant environmental ensemble (FREE) would be available through the supply system sometime in late 2012 or early 2013. That's changed. The FREE is still not available for general issue. It will be issued only to deploying Soldiers. We'll let you know when the FREE is available for general issue, so stay tuned.

HEMTT -A4 C-KIT ARMOR BLAST SEAT NSNS

Do the HEMTT -A4 trucks in your unit come equipped with the C-Kit? Then when it's time to replace the blast seats, use NSN 2520-01-598-1327 to get the left-hand seat, and NSN 2540-01-598-1461 for the right-hand seat. Both NSNs include the lower mounting brackets. If you have C-Kit Armor in stock, don't remove the seats from the kit.

M7 FRS WATER PUMP NSN

Get a new water pump for your M7 forward repair system (FRS) with NSN 2930-01-492-6763. It replaces NSN 2930-01-467-6421, which is listed as Item 1 in Fig 52 of TM 9-4940-568-24P (Jan 08, w/Ch 1, Jul 11). That NSN is a terminal item.

M915A5 Tire and Wheel Assembly

The M915A5 tractor truck's tire and wheel assembly comes with NSN 2530-01-615-1443. Make a note until this NSN is added to TM 9-2320-426-13&P in IETM EM 0308.

CHARGER FOR VRLA BATTERIES

Prevent early valve-regulated lead-acid (VRLA) battery failure and unnecessary replacement costs for your unit. Use one of these battery chargers to charge and recondition batteries:

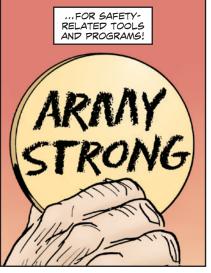
Battery Charger	NSN
Pro-4HD	6130-01-500-3401
Pulse Charger World Version Plus	6130-01-477-4703
Pallet	6130-01-532-7711
Associated PP-1660 Type F	6140-01-518-7866

DISTRIBUTION: To be distributed in accordance with the initial distribution number (IDN) 345239, requirements for the TB 43-PS-Series.

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

ARMY SAFE AND ARMY STRONG ARE TWO SIDES OF THE SAME COIN!





https://safety.army.mil