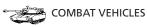


ISSUE 746 JANUARY 2015



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TB 43-PS-746, 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. Information published has been reviewed and approved by the agency responsible for the equipment, publication or policy discussed. Application of the information is optional with the user. Masculine pronouns may refer to both genders. The use of product or company names does not constitute endorsement of those products, services or companies by the U.S. Army. The use of non-DoD hyperlinks, along with their content, does not constitute endorsement by DoD or DA. Neither DoD nor DA exercises any editorial control over, and cannot vouch for, content on non-DoD websites.

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

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By order of the Secretary of the Army:

RAYMOND T. ODIERNO

General, United States Army Chief of Staff

Official:

June B D'Auf

Administrative Assistant to the Secretary of the Army

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ISSUE 746 JANUARY 2015



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HYEX Fuel Filter Service Interval Updated



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By order of the Secretary of the Army

RAYMOND T. ODIERNO

General, United States Army Chief of Staff

Official

GFRALD B. O'KFFFF

Administrative Assistant to the Secretary of the Army

HELP US HELP SOLDIERS!







Like most of the Army, PS has been hit by budget cuts. Unfortunately, that has limited our TDY trips and hampered how we've researched articles for more than 63 years. Visiting units was how we kept up-to-date on equipment problems.

Now we need to "think outside the TDY box" to keep articles flowing. To do that, we invite Soldiers, DACs and Army contractors to continue sending in their great ideas. But we also want to nudge the go-to folks who help answer many of our readers' questions.

Are you a subject matter expert on specific Army equipment or systems, in charge of an official publication, or perhaps an item manager who knows the quirks, repair or supply issues that come with a particular item?

Could the frequently asked questions you get from the field be reduced by publishing that information in PS Magazine, an official technical bulletin that reaches thousands of Soldiers worldwide? If so, send us your ideas and we'll take it from there. Knowledge is power, so help us keep our Army strong. HOOAH!

Send your article ideas to: usarmy.redstone.logsa.mbx.psmag@mail.mil

PS 746 **JAN 15**





Dear Editor,

A lot of units have been showing up at the National Training Center at Ft Irwin without complete operator TMs for their vehicles. Sometimes they don't even have a TM at all!

It seems many Soldiers believe TMs are only available in digital format. Many have spent their own funds getting manuals printed at local print shops. Because that's so expensive, they often skimp by only printing out the PMCS portion of the TMs. That's not good enough because the entire TM is needed so operators can refer to safety and vehicle operation instructions.

Units can still order hard copies of most TMs at no cost by establishing a pubs account with the Army Publication Directorate (APD).

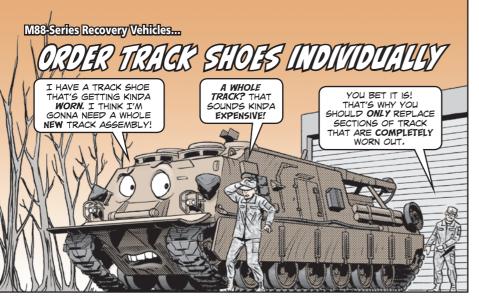
Set up the account by filling out and sending a DA Form 12-R, Request For Establishment of a Publications Account, by fax to the Account Processing Team at DSN 693-9620 or (314) 592-0920. You'll find instructions for setting up your pubs account at:

http://www.apd.armu.mil/Orders/EstablishAccount.pdf

Derek McCrea TCM-ABCT Ft Benning, GA

Editor's note: Thanks for the reminder, Derek. Pubs clerks, once you have a pubs account, you can order TMs (and PS Magazine) for your unit through the Point and Click Ordering System at: https://dol.hqda.pentagon.mil/ptclick/index.aspx
Once there, click on Search and enter the info for the pub you want to order.

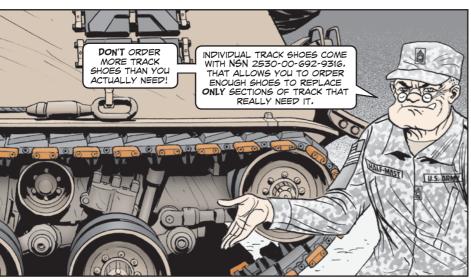
PS 746 3 JAN 15



Dear Half-Mast

Is there is an NSN for a full track assembly for the M88A1 and M88A2 recovery vehicles? It seems like it would be a lot easier to order a full track assembly instead of individual sections.

SSG A.J.



PS 746 4 JAN 15 Click here for a copy of this article to save or email.

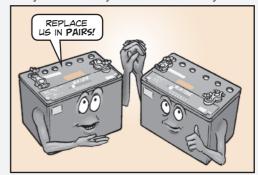


CHARGE UP BATTERY CARE

Grewmen and mechanics, you might have noticed that the Exide maintenance-free batteries, NSN 6150-01-582-5710, used in Bradleys with the Bradley Urban Survivability Kit (BUSK 3) modification can go bad in a hurry. Some units are ordering so many replacement batteries that the supply system's coming up short.

Check out these tips to extend battery life and save your unit lots of money:

1. Don't replace all eight batteries if one goes bad. At \$265 each, that adds up in a hurry! Instead, replace only the dead battery and the battery it's paired with. Test batteries with a battery analyzer. New batteries should have an open circuit voltage (OCV) of at least 12.80 volts direct current (VDC). The VDC should be at least 12.60 for batteries that have been charged before.



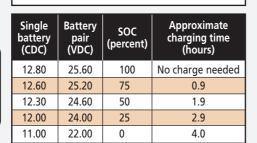
2. Before replacing a bad battery or battery pair, try recharging. Use the battery charger, NSN 6130-01-500-3401, specified in TM 9-2350-403-13&P and TB 9-2350-395-13&P. It's part of the standard automotive tool set (SATS). Batteries should be on the charger at least four hours before determining if they should be replaced.

PS 746 5



- 3. Partially-charged batteries that sit around for extended periods of time won't last as long. So keep 'em charged up. Just don't try to charge the batteries with another vehicle by using the NATO slave receptacle. That won't work with the Bradley's complex electrical distribution system.
- 4. If you're going to charge batteries on board by running the engine, first check each battery's OCV to estimate its state of charge (SOC).





5. If batteries fall below 12.60 VDC, remove them from the vehicle and put them on a charger for 24 to 48 hours. Don't attempt to charge more than eight batteries at a time on the same charger.

Don't use

slave cables to

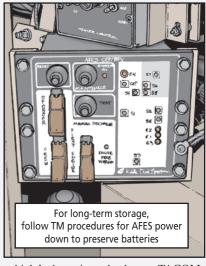
charge batteries

6. If a charging attempt fails after 48 hours, tag the battery and turn it in to the Brigade Battery Maintenance Management Program (BMMP). Note on the tag how many hours the battery was left on the charger. If the batteries were new, be sure to also submit an SF 368, Product Quality Deficiency Report (PQDR). The best way to submit an SF 368 is online at: https://www.pdrep.csd.disa.mil

Click on EZ PDR Login and follow the steps.

Remember, you can avoid a lot of battery problems by always shutting down your vehicle like it says in the -10 TM. Leaving the MASTER or TURRET POWER switches in the ON position at shutdown or not powering down the AFES properly before long-term storage can drain the batteries. Leave all switches and controls in the OFF position before securing the vehicle.





For more details on caring for your vehicle's batteries, check out TACOM maintenance information message 14-044 on the TACOM-Unique Logistics Support Applications (TULSA) website:

https://tulsa.tacom.army.mil/Maintenance/message.cfm?id=MI14-044.html

You'll need your CAC and first-time users must first request access.

Questions? Contact TACOM's Barry Tabron at DSN 786-2650, 586-282-2650 or email: barry.l.tabron.civ@mail.mil





Goading your unit's mine clearing blades, rollers and roller mounting kits into SAMS-E and listing them on your unit's monthly Army Material Status System (AMSS) report is required by AR 700-138, Army Logistics Readiness and Sustainability.

It's vital information for the Army to have so it knows the readiness of that equipment.

Mine clearing blades, rollers and roller mounting kits should be included in the table of reportable items the next time AR 700-138 is updated. But the Logistics Support Activity (LOGSA) puts out an updated list twice a year on LIW.

Here's how to get the list

1. Login to LIW: https://liw.logsa.army.mil/

- **2.** At the bottom of the page, click on <u>App Warehouse</u>.
- 3. Scroll down to the LIW RSRCS app and click on Go to Application.
- Scroll down and click on Maintenance Master Data File.

to download and print:

- **5.** Click on <u>Download the...</u> MMDF as a single file and/or Readiness Reportable Item Listing.
- 6. Click on the B1(date).xls file to access the current list of readiness reportable ground equipment (systems and standalone items). The file's date will change each time it's updated.

THE SYSTEMS ARE
LISTED BY LIN IN
ALPHABETICAL ORDER.
HERE ARE THE ITEMS
YOU SHOULD BE
REPORTING, ALONG WITH
THEIR NSNS AND LINS...

7	-0 11/1/				
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Item	NSN 2590-	LIN		
	Mine clearing blade	01-230-8862	B71632		
	Mine roller kit	01-134-3724	M71632		
	Mine roller mounting kit	01-235-5458	M18157		



Uperator, maintenance and parts manuals for the M113A3 FOV have been combined in TM 9-2350-277-13&P (IETM EM 0321, Oct 14). The new IETM is available through the Army Publications Directorate (APD).

Set up an account by faxing a completed DA Form 12-R to APD's Account Processing Team at DSN 693-9620 or (314) 592-0920. Instructions for setting up an account are at:

http://www.apd.army.mil/Orders/EstablishAccount.pdf

Once your account is set up, order the IETM through the Point and Click Ordering System at:

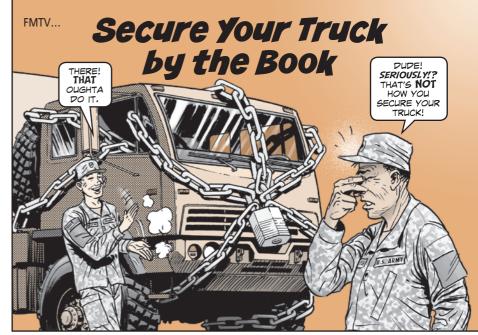
https://dol.hqda.pentagon.mil/ptclick/index.aspx
To order, click Search and fill out the form on the next webpage.

Remember, even though the new IETM includes operator maintenance, you'll still need to keep a hard copy of TM 9-2350-277-10 (Mar 12) with your vehicle.

PS 746 9 JAN 15

PS TACTICAL VEHICLES

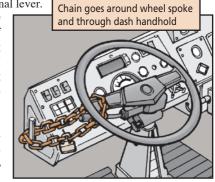




Privers, whenever you need to secure your FMTV, follow the guidance in your vehicle's -10 TM. Then you can install the chain and lock the correct way and avoid damaging the wiring harness and turn signal lever.

The right way to secure your unit's -A0 and -A1 FMTVs starts on Page 2-162 of TM 9-2320-365-10 (Jun 98, w/Ch 2, Aug 05) for 5-tons and Page 2-240 of TM 9-2320-366-10-1 (Sep 98, w/Ch 2, Aug 05) for 2 1/2-tons. For the FMTVA1P2 LTAS, the guidance starts on Page 0019-24 of TM 9-2320-333-10-1.

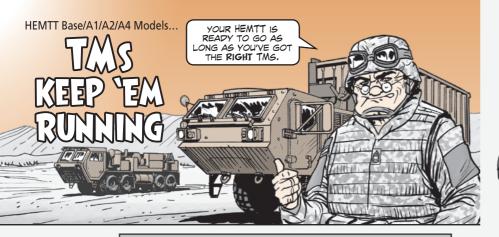
For these trucks, the chain is routed around a steering wheel spoke and through the dash-mounted handhold, then locked.



If you loop the chain around the wheel and steering column, you can damage the wiring harness. And using the chain as a handhold when you get into the cab can damage the turn signal lever.

So make sure you install the chain and lock correctly. Then use the handholds to get in and out of the cab.

PS 746 11 JAN 15 Click here for a copy of this article to save or email.



HERE ARE LISTS OF ALL THE TMS THAT SUPPORT THE HEMTT'S BASE, A1 AND A2 MODELS...

HEMTT Base/A1									
IETM	TM 9-2320-279-14&P (EM 0290)								
Hand receipt	TM 9-2320-279-10-HR								
M977 cargo	TM 9-2320-428-10								
M978 tanker (w/ and w/out winch)	TM 9-2320-429-10								
M983 tractor	TM 9-2320-430-10								
M984A1 wrecker (Volumes 1 & 2)	TM 9-2320-431-10-1 TM 9-2320-431-10-2								
M985 cargo (w/ and w/out winch)	TM 9-2320-432-10								
M985 guided missile transport	TM 9-2320-433-10								
M1120 load handling system	TM 9-2320-434-10								
M1977 common bridge transporter	TM 9-2320-435-10								

ч	1										
1	HEMTT A2										
1	IETM	TM 9-2320-325-14&P (EM 0289)									
	Hand receipt	TM 9-2320-325-10-HR									
	M977A2 cargo	TM 9-2320-347-10									
	M978A2 tanker	TM 9-2320-348-10									
	M983A2 tractor	TM 9-2320-349-10									
	M983A2 light equipment transporter	TM 9-2320-420-10									
	M984A2 wrecker (Volumes 1 & 2)	TM 9-2320-421-10-1 TM 9-2320-421-10-2									
	M985A2 cargo (w/ and w/out winch)	TM 9-2320-422-10									
	M985A2 guided missile transport	TM 9-2320-423-10									
-	M1120A2 load handling system	TM 9-2320-424-10									
ſ	M1977A2 common bridge transporter	TM 9-2320-425-10									

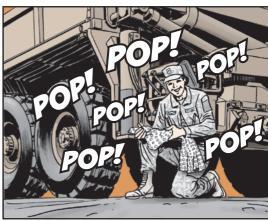


HEMTT A4										
IETM	TM 9-2320-326-14&P (EM 0288)									
Hand receipt	TM 9-2320-326-10-HR									
M977A4 cargo (w/ and w/out winch)	TM 9-2320-338-10									
M978A4 tanker	TM 9-2320-339-10									
M983A4 tractor	TM 9-2320-340-10									
M983A4 light equipment transporter	TM 9-2320-341-10									
 M984A4 wrecker (Volumes 1 & 2)	TM 9-2320-342-10-1 TM 9-2320-342-10-2									
M985A4 cargo (w/ and w/out winch)	TM 9-2320-343-10									
M985A4 guided missile transport	TM 9-2320-344-10									
M1120A4 load handling system	TM 9-2320-345-10									
M1977A4 common bridge transporter	TM 9-2320-346-10									



GOES THE AXLE!



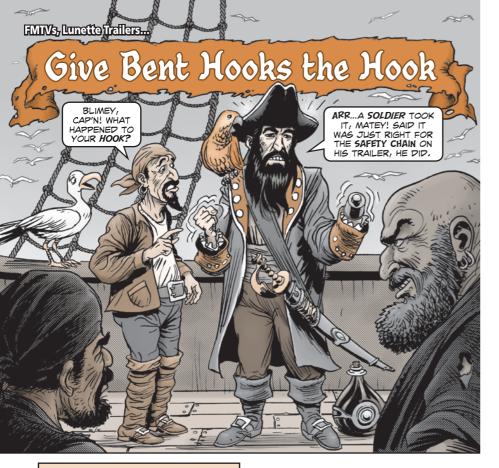


Have you noticed a loud popping noise coming from the rear of your HEMTT whenever you turn a corner? No, you didn't just run over a big roll of bubble wrap!

That noise is coming from the vehicle's rear axles. The outer wheels have to rotate faster than the inner wheels when making a turn. As torque builds up between the clutch plates in the differential, the plates "pop" to help release torque pressure.

So rest easy when you hear the pops. No harm, no foul.

PS 746 13 JAN 15



Dear Editor,

Could you pass the word that the hooks on trailer safety chains should *never* be bent to fit the shackles on the back of FMTVs?

You had the word on Pages 10-11 of PS 721 (Dec 12) about using larger hooks and extensions for the chains. Unfortunately, we're still seeing bent hooks in the field.

> Cindy Heyden Equipment Specialist TACOM LCMC

Editor's Note: Can do, Ma'am! But first a little history: The FMTV manufacturer increased the size of the truck's tow shackles to meet new air transport and rail tie-down requirements. When this happened, the tow shackles fit the size and weight of the FMTV trailer, but not the smaller hook size of the lunette trailers that FMTVs sometimes tow. Instead of forcing a fit by bending the open hooks, follow these steps to ensure the right fit:

- 1. Cut the existing chain five inches from the frame.
- 2. Discard the old hook and excess chain.
- **3.** Attach a new chain assembly, NSN 4010-01-169-6995, to the existing chain using the connecting link that's attached to the end of the assembly.
- **4.** Cross the safety chain under the trailer tongue. Then pull the end of the chain and eye or clevis end of the hook toward each other.



And here are a few special reminders:

When attaching to a truck that has no extended pintle, you'll need to shorten the trailer safety chains so they don't drag or get caught on brush or commo wire. Try using zip ties or bungee cord to take up the extra slack.

If you have an M105A3, M101A2/A3, or a lunette trailer with a surge brake device, you must adjust the length of the breakaway cable/chain. Make it a bit shorter than the safety chains. Then if the trailer disconnects from the tow pintle, the breakaway cable/chain will fully actuate the trailer brakes before the slack in the safety chains is taken up.

Consider this the latest and greatest guidance.

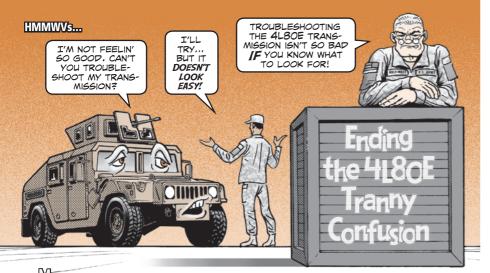


New HIMARS Cab Sling

The M142 HIMARS has a new increased crew protection (ICP) cab web sling for lifting the cab off the truck. NSN 3940-01-630-8470 (PN 5000-1174) replaces the old sling, NSN 3940-00-276-9165 (PN FDC-8514-2). The new sling will be added to the AAL at the next revision of TM 9-2300-310-14&P in IETM EM 0258. A new safety latch kit, NSN 4030-01-630-7855 (PN 4000-306), for the new sling will be added, too.

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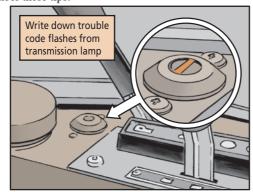


We chanics, if you're confused by all those codes when it's time to troubleshoot the 4L80E electronic transmission in a HMMWV, read on. We've got a few tips that'll cut through the confusion and save you a lot of troubleshooting time.

Before You Start

Before you get started, remember these tips:

Write down the trouble codes from the vehicle's transmission control module (TCM) as they flash over the transmission lamp located next to the shift lever. Remember, codes 12 and 63 will always appear and should be disregarded. Next, clear the codes and road test the vehicle. Then check to see which trouble codes still show up. That eliminates false codes and saves troubleshooting time.



- Check all transmission sensor connections. Most problems are caused by loose or corroded wiring connections. After checking the connections, clear the trouble codes and road test the vehicle to see if that clears up the trouble.
- When multiple codes are reported by the computer, always troubleshoot the lowest code first and then work your way up. The higher-numbered codes are sometimes the result of the lower-numbered codes. So if you fix the lower codes first, you'll often find some of the higher codes will disappear.

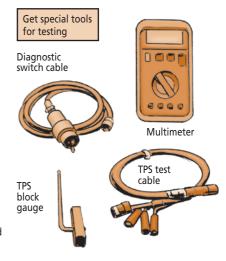
Before Changing the Transmission



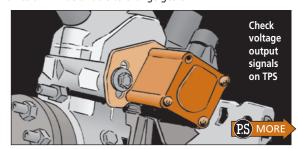
 Make sure you have all of the proper diagnostic test equipment needed. That includes a multimeter, the throttle positioning sensor (TPS) block gauge, NSN 4820-01-179-4869, and the special purpose tool kit, NSN 5180-01-410-8467. This kit includes the following:

ltem	NSN
Diagnostic switch cable	6150-01-410-8215
TPS cable	6150-01-412-7774
Seal installer*	5120-01-414-1849
Seal installer*	5120-01-437-0480
Drive handle*	5120-01-026-1666

*These items are not required for diagnostic testing.



- If you've never worked with this type of transmission, consult with your maintenance supervisor or TACOM LAR to get the help you need.
- If the truck's batteries have been serviced or replaced, it's important to properly reconnect the two power wires for the transmission control module (TCM). Do it wrong and the TCM gets 24 volts instead of the required 12. That burns up the TCM.
- Eyeball the transmission relay harness, which is located next to the batteries. If this harness ends up on top of the panel that separates the batteries and the relays, it may get cut when the passenger's seat is taken out and put back in. This will result in a noshift mode and the transmission will be unable to change gears.
- Check the TPS voltage output signals. The TPS is used to send a signal to the TCM letting it know when to shift. The TPS may need to be adjusted or replaced.



PS 746 16 JAN 15 Click here for a copy of this article to save or email.

PS 746

A training video, *HMMWV A2 Electronic 4-speed Transmission*, is also available. The video focuses on the transmission's electronic component locations, functions and interactions and includes a section on common problems for diagnostic test codes.

You can order the video from the Defense Imagery website at:

http://www.defenseimagery.mil/index.jsp

If this is your first visit, you'll need to register your CAC card by clicking on <u>REGISTER</u> at the top of the page. Once that's completed, click LOGIN and confirm your certificate.

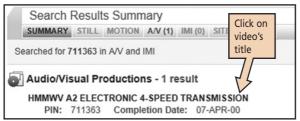
In the Search block, enter **711363** and deselect all of the result types except **A/V** and **IMI Products.** Click <u>SEARCH</u>.

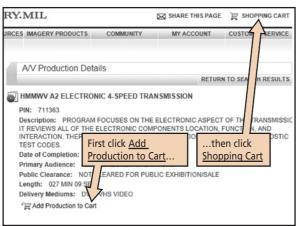
On the next screen, click on the video's title. Then click Add Production to Cart. At the top of the screen, click on the SHOPPING CART, and follow the instructions. Once ordered, you'll receive an email confirmation and the DVD will be mailed to you within a week or so.



PS END







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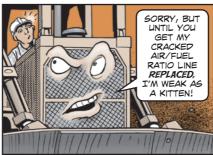
D7G Tractor.

FUEL LINE CRACK TAKES THE BULL OUT OF DOZER









Look behind

clamp for a

crack in air/

fuel ratio line

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Operators, your dozer sounds and runs fine, but falls flat on its nose when you push a load. What gives?

It could be a crack in the air/fuel ratio line that mounts into the fuel injector pump. Due to the age of the dozer and vehicle vibration, this line sometimes cracks where it's mounted to the engine block by a small bracket.

The crack is usually in the part of the line that's covered by the bracket, so you won't see it. The only way to tell if this is the cause is to have your mechanic remove the bracket so he can eyeball the line.

Any crack in that line means the engine loses turbo boost pressure that's sent to the air/fuel ratio valve. When this happens, the fuel injector pump can't meter the increased fuel that's required to push the load.

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If your dozer runs fine until it's under a load, have your mechanic come in for a quick look-

see. He can replace the line with NSN 4710-01-253-7056. Then your dozer will run like new!

TO REPLACE TIRES ON YOUR BACKHOE LOADER, YOU'VE GOT A LITTLE WORK TO DO!

Dear Half-Mast, I need new tires for my backhoe loader (BHL). Can you tell me the NSN for the tire and wheel assembly?

Backhoe Loader...

SFC J.M.K.

UNLIKE MOST
EQUIPMENT, SERGEANT,
THE BHL POES NOT
HAVE A TIRE AND WHEEL
ASSEMBLY.

INSTEAD, YOU'LL NEED TO ORDER THE TIRE AND WHEEL SEPARATELY AND PUT THEM TOGETHER YOURSELF.

WHEN IT'S TIME

GET THE **FRONT TIRE** WITH NSN 2610-01-627-2155, NOTE THAT THAT'S A REPLACEMENT FOR NSN 2610-01-533-0485, WHICH IS CURRENTLY SHOWN AS ITEM 2 IN FIG 60 OF TM 5-2420-231-24P (JUN 13).

THE FRONT WHEEL, SHOWN AS ITEM 5 IN FIG 60, COMES WITH NSN 2530-01-623-3528.

INSTRUCTIONS FOR INSTALLING THE FRONT TIRE AND WHEEL ASSEMBLY ARE IN WP 0203 OF TM 5-2420-231-23-2 (JUL 13). THE BHL'S REAR TIRE IS SHOWN AS ITEM 4 IN FIG 72 OF THE -24P AND COMES WITH NSN 2610-01-533-0486.

THE **REAR WHEEL** IS NSN 2530-01-623-3437 AND IS SHOWN AS ITEM 1 IN FIG 72.

INSTALLATION PROCEDURES FOR THE REAR TIRE ASSEMBLY ARE IN WP 0217 OF THE 23-2 TM.

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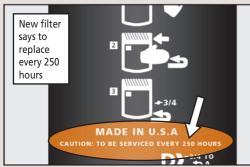
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I need a little help with the lubricity filter, NSN 2940-01-567-4018, that's used on the HYEX Model 2400 LCR excavator.

According to Item 9 in the Machine PMCS on WP 0310-6 of TM 5-3805-294-23-2 (May 12), the filter is supposed to be replaced after every 500 hours of operation. But when a new filter comes in, it's labeled, "CAUTION: TO BE SERVICED EVERY 250 HOURS."



So is TM 5-3805-294-23-2 wrong in requiring a 500-hour interval or is there a different, 500-hour filter we should be using?

Mr. J.R.



GOOD CATCH!

THE REPLACEMENT

INTERVAL FOR THE HYEX'S LUBRICITY

FILTER IS

250 HOURS

PS AVIATION LET IT SNOW, LET IT SNOW, LET IT SNOOOM! I THOUGHT YOUR NEW YEAR'S RESOLUTION WAS TO STOP SINGING THAT DANG SONG! YEAH! viation articles cover correcting LONGBOW/ APACHÉ TM errors, change to the M134 mini-gun barrel bolt, and using caution when moving AGSE. JAN 15 PS 746 Click here for a copy of this article to save of email.

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echanics, now that the AH-64D/E aircraft repair procedures are combined in TM 1-1520-LONGBOW/APACHE, it's more important than ever to write up DA Form 2028s when you spot problems or want to make recommendations.

Since the headshed uses the same IETM you do, they need you to include as much specific information in your 2028s as possible. For example:

- Tail number of aircraft or model designator
- Answer the Dialogue questions box for modifications to help identify what equipment and MWOs are installed.
- Folder location or exact title in IETM
- Approximately how many steps into the task the issue is located

Within the Longbow IETM is a function called the Annotation Tool. One of its many uses is that it allows you to create and attach an annotation to the 2028. That pinpoints the exact location of the problem you have within the IETM.

To find out how to use the Annotation Tool, go to the top menu bar of the IETM and click on <u>HELP, HOW TO USE THIS MANUAL</u>. Open the HOW TO USE THIS MANUAL folder and click on the <u>Annotations</u> file. This will tell you how to fill out the annotation and how to import and export it.

If you want to submit a 2028 online, go to:

https://amcom2028.redstone.army.mil

You can also submit 2028s by fax, email or regular mail. Information on all methods is located in the IETM General Information/How To Use This Manual/Reporting Errors and Recommending Improvements section.

Remember to include your name, a good phone number (either commercial or DSN), and an @mail.mil email address so the 2028 reviewer can contact you with any questions.

M134 Mini-gun...

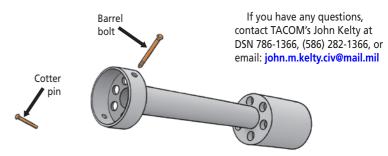
Read all About It!

Important Barrel Bolt News



There have been two important changes for the M134 mini-gun's barrel bolt:

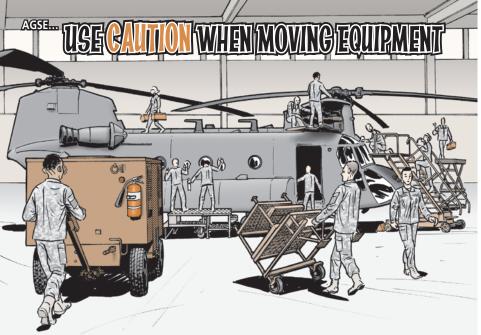
- The old barrel bolt has been replaced. Order the new barrel bolt with NSN 5306-01-505-2891 (PN DMG0073).
 - Replace the barrel bolt if it doesn't have a "V" on the head, if it's damaged, or after firing 100,000 rounds.
- Any time you remove the barrel bolt, you must replace its cotter pin, NSN 3515-00-234-1864 (PN MS24665-302). This increases your M134's safety and reliability.



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MECHANICS,
GOOD MAINTENANCE
STARTS WITH PAYING
ATTENTION TO DETAIL,
ESPECIALY

WHEN MANEUVERING AVIATION GROUND SUPPORT EQUIPMENT (AGSE) NEAR AIRCRAFT,



Slow your roll when positioning maintenance stands and other AGSE near aircraft. That means slowing down early to leave plenty of room to stop before reaching the aircraft.

Ground support equipment like the low level maintenance stand, the B-1 and B-4 stands, the rotor blade stand and the AGPU can get away from you if you're not careful. They can act like a runaway train and before you know it... *BAM!* You just took a chunk out of an airframe.

Protecting aircraft from damage should be a part of PMCS. Always use chock blocks on AGSE wheels. With maintenance stands, make sure you apply the brakes to prevent movement as you go up and down the steps. You don't want equipment to roll into the aircraft or out from under you, right?

When you're not using AGSE, it's a good practice to keep the equipment stationed outside the outer edge of aircraft rotor blades. And when you're doing night maintenance, make sure the equipment has reflective tape. That way you can see where everything is and avoid injury.

Remember, slow and steady is the way to go. Fast and furious just results in aircraft damage or personnel injury.

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ONCE UNITS RECEIVE THE NEW M2A! MACHINE GUNS IT'S TIME TO TURN IN THEIR OLD M2S. THE ARMY DOESN'T WANT M2S AND M2A!S IN THE SAME UNIT.



...YOU CAN
INTERCHANGE
M2 BARRELS
WITH OTHER M2
MACHINE GUNS
AND YOU CAN
DO THE SAME
WITH M2AI
BARRELS AND
M2AI MACHINE
GUNS.

BLIT, IF YOU TRY TO USE AN M2AI BARREL ON AN M2 OR AN M2 BARREL ON AN M2AI, YOU **DAMAGE** THE WEAPON AND MAYBE EVEN YOURSELF.



THE
BARRELS
DON'T
LOOK THAT
DIFFERENT.

AND IT'S

PRETTY EASY TO

MAKE THAT

MISTAKE!

M2A1 BARRELS HAVE INTERRUPTED THREADS ON THE RECEIVER SIDE OF THE BARREL, A BARREL LOCK PIN (OR LUG) AND A CARRYING HANDLE ASSEMBLY. M2 BARRELS HAVE THE SAME SERIAL NUMBER AS THEIR RECEIVER AND DO NOT HAVE A CARRYING HANDLE ASSEMBLY OR BARREL LOCK PIN.

REMEMBER,
ANY TIME THE M2
IS TO BE FIRED
IT MUST FIRST
BE HEADSPACED
AND TIMED BY
THE GUNNER, AND
THAT'S ALSO TRUE
ANY TIME BARRELS
ARE SWITCHED.



TO PO THAT, EVERY
GUNNER MUST HAVE HIS
OWN M2 HEAPSPACE
AND TIMING GAGES, NSN
5220-00-535-12(7. DON'T
GO TO THE FIELD OR
RANGE WITH ONLY ONE
SET OF GAGES FOR ALL
THE M2S. THAT'S ASKING
FOR TROUBLE.

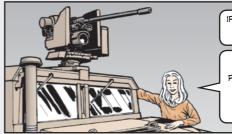
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MUST HAVE ITS
HEADSPACE AND
TIMING VERIFIED
BY YOUR
REPAIRMAN
BEFORE YOU GO
TO THE FIELD.

THE M2A1



BUT ONCE THAT'S PONE YOU CAN SWITCH ITS TWO BARRELS WITH-OUT WORRYING ABOUT GAGING IT AGAIN,



IF YOU'RE GOING TO BE FIRING THE M2A1 ON THE CROWS, KEEP THE OLD M2 GAGES.

THEY ARE NEEDED TO PERFORM THE ELECTRONIC TIMING FOR THE CROWS SOLENOID. USE THE
FIRE/NO FIRE
PORTION OF
THE OLD TIMING
GAGE FOR THE
ELECTRONIC
TIMING.

MK 19 AND M203 AMMO DON'T MIX!

EXCUSE ME,
I SEEM TO BE
RUNNING A BIT
SHORT OF AMMO.

MIGHT I BORROW A FEW OF YOUR ROUNDS? ARE YOU KIDDING ME? OUR ROUNDS **DON'T** MIX! YOU GOTTA FIRE YOUR ROUNDS ONLY.



Dear Editor

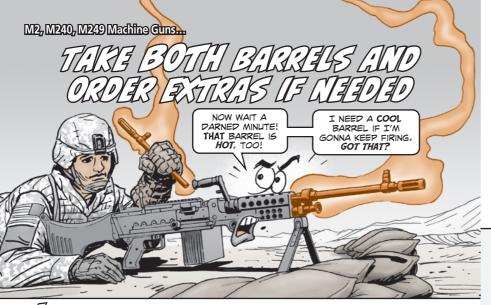
be fine.

The MK 19 and M2O3 weapons may both fire grenades, but they definitely can't fire the same ammo.

MK 19 ammo comes linked. M203 ammo has no links. Cutting off the links for MK 19 ammo so it can be used in an M203 is illegal and dangerous. And trying to fire M203 ammo in an MK 19 is equally dangerous. We had one unit try that with an MK 19 and half the rounds burst during the feed stroke. Just follow the -10 TMs for both weapons on what ammo to use and you'll

Karl Hayhurst TACOM Small Arms LAR Camp Casey, S. Korea Editor's note:

Thanks for the warning, Karl.



Every unit that fires M2, M240 and M249 machine guns should have a sign hanging over the arms room door saying "Always take both barrels to the field."

Every year thousands of bucks are spent replacing these weapons' barrels because units leave the spare barrel in the arms room. Especially at the range, they fire many rounds through the same barrel. The barrel gets so hot—red hot in some cases—it warps. That barrel is ruined. And hot barrels can also cause cook offs, which are dangerous.

But if you're firing and firing at the range, you may need more than one spare barrel. For the M240, you should change the barrel every 10 minutes during sustained fire (100 rounds per minute with 4-5 seconds between bursts) and every 2 minutes during rapid fire (200 rounds per minute with 2-3 seconds between bursts). The M249 barrel should be changed every 200 rounds both for sustained and rapid fire.



For the M2, change the barrel at the end of the day if you're firing single shot or slow fire (fewer than 40 rounds per minute). Change the barrel every hour if you're firing more than 40 rounds per minute and every half hour for more than 100 rounds per minute. Of course, change the barrel immediately if the barrel is damaged.

PS 746 38 JAN 15 Click here for a copy of these articles to save or email. If you're firing rounds fast, the barrels don't have time to really cool off even when you change them like you're supposed to. So, if you replace a hot barrel with another hot barrel, the barrel is ruined. That's why if you regularly do lots of firing at the range, it's a good idea to have extra spare barrels.

Then you can rotate three or more barrels instead of two.

Barrel should be cool to touch with your bare hand **before** you reinstall it

But remember for the M2A1, M240 and M249, you can use only spare barrels specifically headspaced to that particular weapon. If you swap barrels between machine guns, you damage not only the barrel but the machine gun itself. And you could damage yourself if the gun blows up! All barrels should be tagged for the machine gun they have been headspaced for.

Mortars... M23 MBC Obsolete





If you're still using the M23 mortar ballistic computer (MBC), NSN 1220-01-119-6049, and its companion computer, NSN 1220-01-161-8888, stop. They're obsolete and should be demilitarized and sent to DLA Disposition Services.

To demil the M23, remove the center circuit card assembly from inside the MBC and destroy it. Fill out a DLIS Form 1867 and tape it to the MBC's back cover plate. Then turn it in to your local DLA Disposition Services.



Let TACOM know you've turned in the MBC by emailing its serial number to: usarmy.detroit.tacom.mbx.ilsc-mortar-systems@mail.mil

The M23 has been replaced with the M32 lightweight handheld mortar ballistic computer.

If you have questions, contact TACOM's Joe Leigh at DSN 786-1223, (586) 282-1223, or email: joseph.t.leigh.civ@mail.mil

M16-Series Rifle, M4/M4A1 Carbine...



The new fire control selector, NSN 1005-01-585-6042, for the M16-series rifle and the M4/M4A1 carbine makes it necessary to modify your M12 racks. Otherwise, you can't lock the racks.

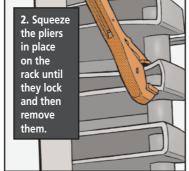
Pages 38-39 of PS 729 (Aug 13) told you how to modify the M12 racks. But that procedure required cutting and grinding the rack slot and was very time-consuming.

Fortunately TACOM LAR Chris Warner and SSG Shawn Landeen of Ft Stewart have come up with an easier and better way to fit the fire control selector in the M12. Their method doesn't involve cutting, allows the rack to be returned to its original configuration, and cuts the modification time from an hour to about 10 minutes.

To do the job, you'll need welding pliers, NSN 5120-00-494-1895. Here's how:

1. Open the plier grips fully. Position the welding pliers 0.5 inches back from the face of the rack. Set the jaws to a size smaller than the sheet divider when the jaws are closed.



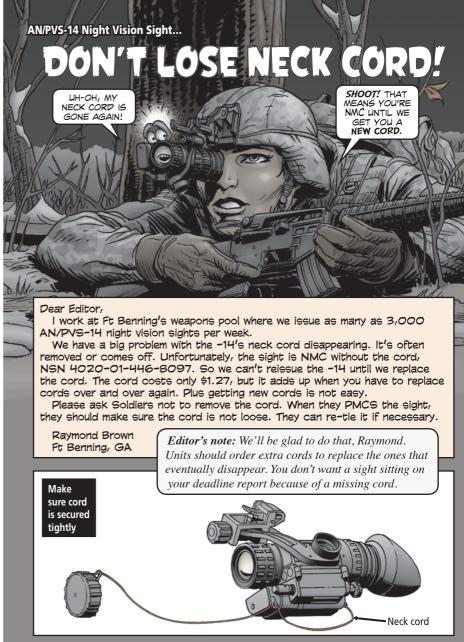


- 3. Test to see if the weapon fits in the rack slot.
- 4. If necessary, adjust the diameter of the pliers and go back to Step 2. Repeat the procedure until the weapon fits snug in the rack.

When you're finished, have your TACOM LAR or local security certify the rack as secure.



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Worried about the status of your unit's TMDE? Stop worrying and get the TMDE app at the Logistics Information Warehouse (LIW).

The TMDE app lets you easily check the master list and projected, delinquent and in-shop status reports for your unit's TMDE items.

The master list shows all your unit's TMDE items by serial number, model, nomenclature, status and calibration due date.

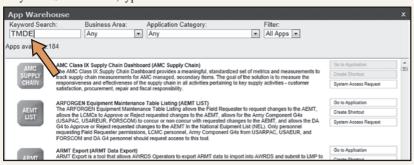
The projected items report lists all TMDE due for calibration in the next 30 days.

The delinquent items list identifies items past due for calibration.

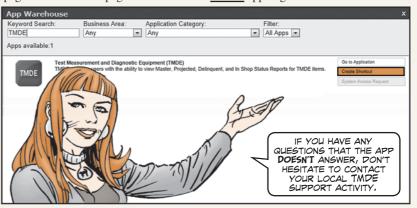
The in-shop status report provides the work order number and status along with the model, serial number, and nomenclature of all your items at TMDE.

To get the app, go to: https://liw.logsa.army.mil/

Scroll to the bottom of the page and click the <u>App Warehouse</u> button. In the Keyword Search block, type TMDE.



When the TMDE app appears, click <u>Create Shortcut</u> on the right-hand side of the page. Then close the page and click on the TMDE app to get started.



AN/PVS-6 MELIOS Laser Rangefinder...

IS THERE A CARRYING CASE?

HEY, I'M

DELICATE HERE!

I NEED SOME

KINDA CARRYING

CASE FOR

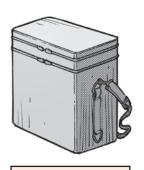
PROTECTION.



Dear Half-Mast, We've had no luck finding either a carrying case or shipping case for the AN/PVS-6 mini eyesafe laser infrared observation set (MELIOS) laser rangefinder. Are there any available?

SSG D.J.

Dear Sergeant, Yes and no. There is a soft carrying case for the rangefinder that comes with NSN 5855-01-546-0126. But there is no shipping case. You can order a case online or buy one at your local big box store that you can adapt for the AN/PVS-6. If it protects your rangefinder, it's worth the money.



Order carrying case with NSN 5855-01-546-0126

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NO GLASSES OR CONTACTS PLEASE!

If you wear glasses or contacts to correct your vision, don't wear them with your M40/ M42 mask.

If you put on your mask while wearing glasses (yes, sunglasses count!), the mask can't seal properly to your face and can't protect you.

Contact lenses may not affect your mask seal, but they can quickly become a problem. Not only do contact lenses require a good fit, they also need sufficient moisture and oxygen to be worn comfortably. If the mask is cutting down the oxygen to your eyes or dust, smoke or gas have fouled your contacts, they can become extremely painful to wear. If you're in a chemical environment, you can't remove your mask to take out the contacts or put in eye drops. Bottom line, contact lenses and masks don't mix.

That's why every Soldier who wears glasses or contacts needs to use optical lens inserts for his M40/M42. The inserts include prescription lenses; a lens carrier, NSN 6540-01-264-1348; and a carrier mount/frame, NSN 6540-01-389-7152.

Soldiers who wear glasses or contacts need prescription lenses for M40/M42 masks



Order your optical lens inserts through your medical branch or by contacting the Naval Ophthalmic Support and Training Activity (NOSTRA):

http://www.med.navy.mil/sites/nostra/Pages/default.aspx

NOSTRA also provides optical inserts for other masks.

Their website has instructions for ordering lenses, tracking the order and installing the lens inserts.

The M40/M42's TM 3-4240-346-23&P also provides installation and removal instructions for the optical lens inserts.

If you need mask help, email the Individual Protection Team at:

us.army.detroit.tacom.mbx.ilsc-masks@mail.mil

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PS LOGISTICS



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An obvious but painful fact is that an accident can result in life-changing injuries. But not all accidents are created equal. Sometimes, what seems to be a minor accident on the surface turns out to be a major one because it affects unit readiness.

Speaking of surfaces... slips, trips and falls are among the most common and preventable accidents around the workplace.

Awareness and taking proactive steps to reduce hazards are the keys to protecting Soldiers and civilians.

Here are some ways to nip slipping and tripping dangers in the bud:

 CLEAR PATHWAYS OF OBSTACLES LIKE BOXES AND TRIPPING HAZARDS LIKE EXTENSION CORDS, SCOUT FOR SMALL HAZARDS, TOO. SOMEONE CAN SLIP ON SOMETHING AS SIMPLE AS A PENCIL LEFT ON THE FLOOR.



 CHECK THAT ALL FLOORING SURFACES ARE LEVEL AND SECURED. REPAIR BROKEN TILES AND OTHER TYPES OF LOOSE OR TORN FLOORING SUCH AS CARPETING.



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CLOSE PESK AND CABINET DRAWERS
WHEN THEY'RE NOT IN USE.

ADJUST YOUR WALKING SPEED AND STYLE DEPENDING ON SURFACES. IF A SURFACE IS ROUGH, UNEVEN, SLIPPERY OR ANGLED, SLOW DOWN! TAKE SMALL, CAREFUL STEPS.



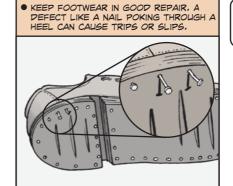
 CIVILIANS SHOULD CHOOSE FOOTWEAR WITH LOW HEELS AND NONSLIP SOLES FOR THE WORKPLACE. SOLDIERS AND CIVILIANS ALIKE, KEEP THOSE LACES SHORT AND TIED.



 BE SURE SHOES AND BOOTS HAVE ADEQUATE TREAD BEFORE WALKING ON ICY, GREASY OR WET SURFACES.



 MAKE SURE ANY NECESSARY WARNING SIGNS ARE POSTED IN WORK AREAS. FOR SPECIFIC MOTOR POOL SAFETY TIPS, SEE PAGES 56-59 IN PS 728 (JUL 13): https://www.logsa.armu.mil/psmag/archives/PS2013/728/728-56-59.pdf

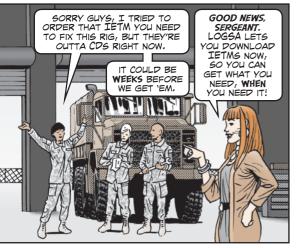


FOR MORE POINTERS ON BOOSTING WORKPLACE SAFETY, VISIT THE LIG COMBAT READINESS/SAFETY CENTER WEBSITE AT https://safety.army.mil/



PS 746

IETMs Get Green Light for Download





Good news! You can now download DA-authenticated interactive electronic technical manuals (IETMs).

IETMs are computerized, screen-based diagnostic and maintenance versions of TMs. They are used for troubleshooting, isolating faults and identifying equipment maintenance needs.

IETMs are still available on CD-ROMs/DVDs and read-only online. But Army funding shortfalls meant there weren't enough disks being printed to meet customer demand.

The Logistics Support Activity (LOGSA) heard pleas from the field and came up with a cost-effective alternative.

Downloadable IETMs mean faster equipment fixes. But remember:

- Authorized IETM downloads are only available from LOGSA's Logistics Information Warehouse (LIW). You must have a valid, current system access request (SAR) and use your CAC whenever you log in to LIW.
- IETM access and download is based on distribution statement codes. The public can view Distribution Statement A information, but viewing or downloading any IETMs coded other than A is restricted.
- LOGSA's goal is to deliver IETMs in the same format as the original CD-ROMs or DVDs.
 However, IETMs are very large, so to make downloads possible, content is broken down
 into several zip files (each 500 MB or less). These zips must be recombined by the end
 user before they work like the original disks.
- Carefully follow the 'IETM_Download_Instruction.txt' file that comes with each downloadable IETM. Instructions vary depending on the IETM's proponent (for example, AMCOM, CECOM, TACOM, etc.) That's why it's important to read the step-by-step instructions every time you download a new IETM.
- If you download content and make a CD-ROM/DVD, be sure that the date of the IETM is also written on the disk you create. That way when an updated IETM comes out, you'll be reminded to replace the old disk.

Destruction Instructions for Distribution Restricted CD-ROMs/DVDs (Coded B, C, D)

If your local facility does not destroy distribution restricted CD-ROMs/DVDs, you can send them to the National Security Agency (NSA). Follow these rules:

- Ship only whole disks to NSA. No need to scratch disks.
- Don't send sleeves, mailers or cases.
- Maximum shipping box size is 18 inches high x 18 inches wide x 18 inches long. Maximum weight is 40 pounds per box.
- Single-wrap outside shipping box with brown paper. If loose disks rattle, mark box "Rattle Okay."
- Send no more than 10 boxes at one time.
- If you want a receipt, include a documentation/destruction form in each shipping box with the total number of CD-ROMS/DVDs written on it.

Ship boxes by first-class mail to:

Director

National Security Agency

9800 Savage Road

ATTN: CMC-Degaussing-Suite 6875

Ft George G. Meade, MD 20755-6875

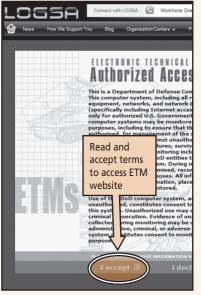


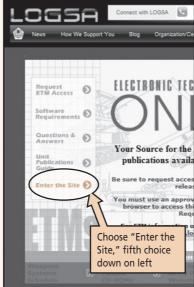
- 1. Access LIW at: https://liw.logsa.army.mil/
- If you already have an LIW account, choose the yellow "Login with CAC" button. If not, click <u>System Access Request (SAR)</u> at the top right of the screen and follow instructions to get LIW access.
- 3. Click the ETM icon. If you don't have it in your portal already, you may need to add it. To select applications, click on the <u>App</u> <u>Warehouse</u> at the bottom of the page. Add the ETM icon and then you can enter by clicking it.



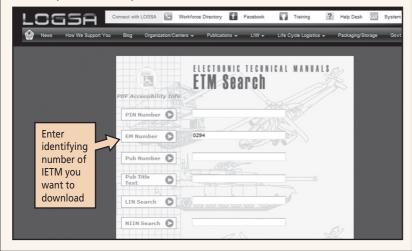
PS 746 49 JAN 15 Click here for a copy of this article to save or email.

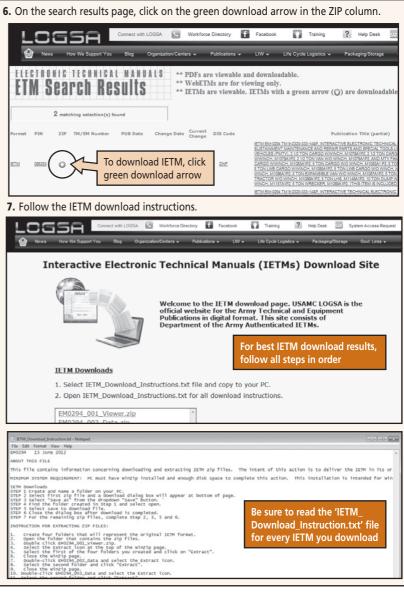
4. You should see the Electronic Technical Manuals Authorized Access Page. Read the terms, choose I accept and then Enter the Site.





5. On the ETM Search screen, enter the number of the IETM you want in the EM Number field. Or you can search by title or other fields.



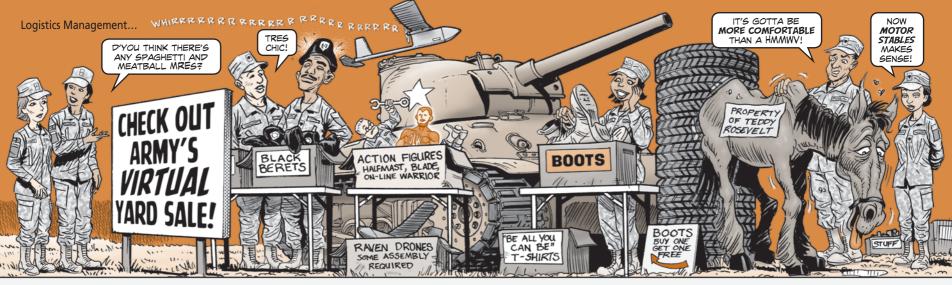


Questions or need tech support?

Contact LOGSA's tech pubs ETM Customer Service toll-free at (800) 270-1409, or email: usarmy.redstone.logsa.mbx.logetm@mail.mil



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HERE'S HOW

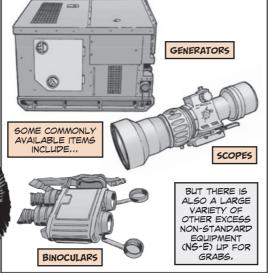
REDISTRIBUTION

WORKS ...

WITH THE ARMY'S RECENT BRIGADE COMBAT TEAM (BCT) REORGANIZATION. MANY EXCESS COMMON TABLE OF ALLOWANCE (CTA) ITEMS WERE RELOCATED TO SIERRA ARMY DEPOT (SIAD), CA

GOOD NEWS, UNITS! YOU CAN SCOOP UP THESE ITEMS THROUGH THE ARMY'S REDISTRIBUTION PROCESS.





THIS NS-E IS AVAILABLE TO ARMY COMMANDS (ACOMS), ARMY SERVICE COMPONENT COMMANDS (ASCCS) AND DIRECT REPORTING UNITS (DRUS), ALL ITEMS ARE OFFERED FREE ON A FIRST-COME, FIRST-SERVED BASIS IN "AS IS" CONDITION.

Once NS-E returns from theater, it's visually inspected and picked up on SIAD's accountable record before going into storage.

SIAD uploads a list of items into a "virtual mall" so Army customers can select what they want. This info is updated twice a week. You can view current inventory in AMC's Material Enterprise Non-Standard Equipment (MENS-E) database:





If your unit wants something, submit a request though your ACOM/ASCC/DRU command representative. Your command can then officially request the equipment release through MENS-E. Once it's approved, your unit coordinates transportation and shipping arrangements directly with SIAD.

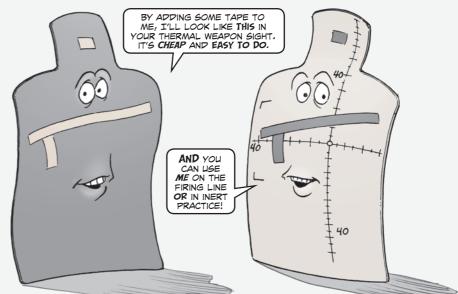
Although the equipment itself is free, your unit still must pay for transportation and any future sustainment costs. Items also must be accounted for and transferred in PBUSE.

For more info, contact Timothy Pollard at DSN 320-6924, (256) 450-6924, email:

timothy.c.pollard.civ@mail.mil

Or Bertrand James at DSN 320-6857, (256) 450-6857, email: bertrand.f.james.civ@mail.mil





Do It Yourself Thermal Targets



The Army's lightweight AN/PAS-13 Thermal Weapon Sight (TWS) gives Soldiers the ability to spot even a well-camouflaged enemy night or day through dust, smoke or fog, but attaining proficiency takes training and practice.

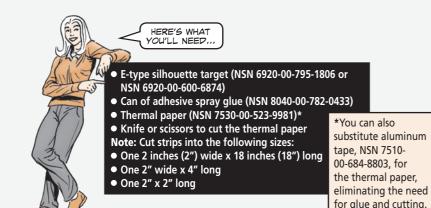
Project Manager Soldier Sensors and Lasers (PM SSL) has developed Do It Yourself (DIY) thermal targets that keep the cost of training with thermal sensors affordable.

A standard store-bought thermal target costs approximately \$60 each, while a DIY version costs approximately 24 cents each. This includes the cost of the E-type silhouette but excludes the labor hours needed to purchase and assemble them.

The DIY thermal targets requires no power and can be used at the range or in inert training locations. Thermal tape uses its natural reflective property, so even in near zero illumination the tape will be reflective. Saving money and improving Soldiers' survivability, mobility and lethality couldn't be easier. The DIY idea creates a simulated weapon-shaped thermal signature over the torso of an E-type silhouette.

PS 746 55





Thermal Target Construction Step 1: E-type Silhouette Target



Place your E-Type target on a flat surface with the green side up. Approximately 4 inches down on the left side (just below the shoulder area), spray the glue from left to right slightly angled upwards, until you reach the right shoulder. This will eventually be the upper receiver. Your glue pattern should be several inches wide.

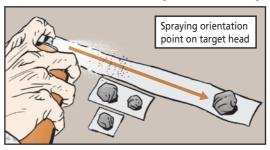


About 3 inches in from the left side, spray a 4-inch swath downward so that you can place the 2" x 4" strip on it, which will form the pistol grip.



In the center of the head, spray (either nose or eyebrow level) a 2" to 3" spot for your 2" x 2" piece of thermal tape. Allow to dry to a point that it is still tacky.

Step 2: Thermal Strips



Holding the spray gun about 6 to 8 inches away from the thermal strip, spray the backside (the uncolored side).

Step 3: Making the Target

While still tacky, take your 2" x 18" thermal strip (upper receiver) and place it on the target, ensuring that you angle it up to the right shoulder.

Then place the 2" x 4" strip for the pistol grip.

With the remaining 2" x 2" strip, place it in the center of the head to give the shooter a point of reference while making head shot.

Your target should look like a man holding a weapon at "Port Arms."



- In foul weather, place a clear plastic bag over the target but leave it open. This will help the the glue last a lot longer.
 Note: If you are zeroing the AN/PAS-13, the spotter will still see the impacts of the round through the plastic bag.
- The target needs to be tilted back 10–12 degrees in order to see the reflection through the AN/PAS-13.

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Dear Editor,

Please tell your readers not to send CECOM equipment directly to the LCMC at Aberdeen Proving Ground (APG), MD, under DODAAC W15GK8. This is the *wrong* address and the APG installation warehouse is getting clogged with items that do not belong there.

Most CECOM items can be returned to the Defense Logistic Agency's (DLA) warehouse in Tobyhanna, PA, or DLA's warehouse in New Cumberland, PA. When returning items, type or clearly print mailing labels in ALL CAPS, exactly as shown below. Send returns to one of the following addresses:

Tobyhanna – BY6 For general cargo returns (unclassified and non-radiological)

Ship to:

W25G1W W1BG UEF DIST DEPOT TOBYANNA GIBBS AND FIFTH STREETS WAREHOUSE 6 BAY 4 TOBYHANNA, PA 18466-5059

Classified, non-radiological returns

Ship to:

SV3114 DLA DISTRIBUTION TOBYHANNA SPEC HANDLING FAC PH 570 615 7354 SQUIRE AND 5TH ST BLDG 5 BAY 5 TOBYHANNA, PA 18466-5059

Classified and unclassified radiological returns

Ship to:

ST3114
DLA DISTRIBUTION TOBYHANNA
RADIOLOGICAL SPEC HANDLING FACILITY
BUILDING 13 6TH STREET
TOBYHANNA, PA 18466-5059

or

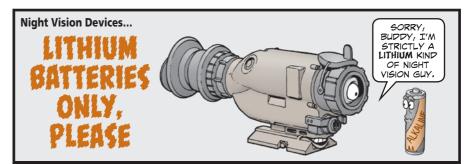
New Cumberland – AN5 W25G1U W1BG DLA DISTRIBUTION DDSP NEW CUMBERLAND FACILITY 2001 NORMANDY DRIVE DOOR 113 TO 134 NEW CUMBERLAND. PA 17070-5002

If your readers have questions about shipping any CECOM items, they can email: usarmu.APG.cecom.mbx.lrc-leo-s-and-d-support@mail.mil

Their email subject line should reference shipping items to CECOM.

Donna Albietz
CECOM Accountable Property Officer
AMSEL-LCL-D
APG, MD

Editor's note: Thanks for alerting us, Donna. They've got the message now.



Inits are correctly ordering 1.5V AA L91 lithium batteries, NSN 6135-01-333-6101, for their night vision devices. But when the DLA supplier is out of lithium batteries, alkaline batteries are being substituted. That just won't do!

These battery level indicators and alarms for night vision devices are developed specifically for AA L91 lithium batteries. Lithium batteries provide more than 13 hours of operation under ideal conditions, which is vastly superior to alkaline batteries. That's why you should only use alkaline batteries in night vision devices in a pinch.

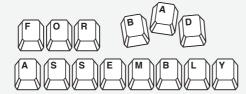
So how do you prevent battery substitutions? Mark the requisition form DD Form 1348-6 with an advice code of "2J" in record positions 65-66, which means fill or kill, no substitutions.

The NSN brings 12 lithium batteries in individual blister packs packed in a single box.

PS 746 59 JAN 15

30-, 60-kW TQGs...











DOES YOUR
UNIT HAVE
A B MODEL
30- OR GO-KW
TACTICAL
QUIET
GENERATOR
(TQG)?

IF SO, THE GENERATOR MAY HAVE A DEFECTIVE CONTROL BOX KEYPAD ASSEMBLY, NGN 5999-01-470-4245 (PN 96-23545). IT'S PART OF THE PIGITAL CONTROL SYSTEM ON GENERATOR MODELS MEP-8058, -8068, -815B AND -816B.

THE KEYPAD
ASSEMBLY
CONTROLS
NAVIGATION IN
THE COMPUTER
INTERFACE
MODULE (CIM).

IF IT'S FAULTY,
ONE CLUE IS
THAT THE CIM
CURSOR POESN'T
WORK RIGHT,
SOMETIMES THE
CURSOR WON'T
MOVE POWNWARD OR LEFT
AND SOMETIMES
IT WON'T MOVE
AT ALL.

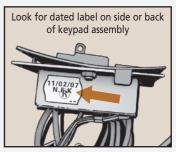


Contract No.	Qty
SPM7M912V5779	145
SPM7M913V1559	110
SPM7M912V9941	89
SPM7M912V6443	86
26473	84
7040592	25
5672	25
NFECL credit card/email	2

Identify the Faulty Keypad Assembly

If your keypad falls under one of these contracts, here's how to check if it's covered:

- 1. If the keypad assembly is already installed, remove it in an electrostatic discharge safe area.
 - a. For 30-kW generators, remove the keypad following the instructions in Steps 1-8 in WP 0050 of TM 9-6115-671-14.
 - b. For 60-kW generators, remove the keypad following the instructions in Steps 1-8 in WP 0050 in TM 9-6115-672-14.
- Find the label with the "N.E.K." quality assurance stamp. The label may be on the top or back of the assembly.



- 3. Check the date code. The date code on the label is formatted as "MM/DD/YY" (for example, 11/02/07 is 02 Nov 2007).
 - a. If the date code on the label falls between 06/01/12 to 06/30/13, your keypad assembly is eligible for repair. The manufacturer will forward defective keypad assemblies to a supplier who will repair and return them to units free of charge. Contact the following POC to get a return material authorization (RMA) number and further instructions:

Kathryn Santine
Contract Administrator
L-3 Communications Westwood Corp.
12402 E. 60th St.
Tulsa. OK 74146

Or call her at (918) 250-4480 or email: Kathryn.Santine@L-3com.com

b. If the date on the label does not fall within the dates in Step 3(a), but the keypad assembly is defective, follow the standard product quality deficiency report (PQDR) process. To submit a PQDR, go to: https://www.pdrep.csd.disa.mil/

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

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?

DON'T OPERATE IN THE DARK WHEN IT COMES TO *CHEMICAL SAFETY!*



DON'T GUESS! USE THE MSDS!

