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TB 43-PS-794, The Preventive Maintenance Monthly, is an official publication of the Department of the Army, providing information for all Soldiers assigned to combat and combat support units and all Soldiers with unit maintenance and supply duties. All information published has been reviewed and approved by the agency responsible for the equipment, publication or policy discussed. Application of the information is optional with the user. Masculine pronouns may refer to both genders. The use of product or company names does not constitute endorsement of those products, services or companies by the U.S. Army. The use of non-DoD hyperlinks, along with their content, does not constitute endorsement by DoD or DA. Neither DoD nor DA exercises any editorial control over, and cannot vouch for, content on non-DoD websites.

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MSG Half-Mast

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

Internet address:

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

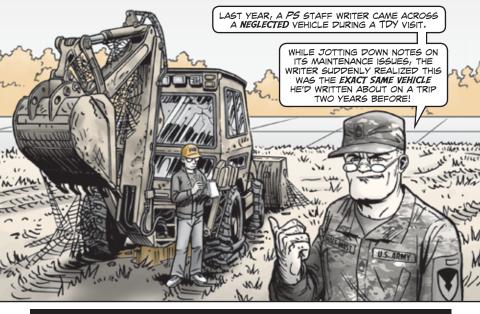
By Order of the Secretary of the Army:

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

MARK F. AVERILL cting Administrative Assistant to the Secretary of the Army 1830551



WRECKED BY NEGLECT

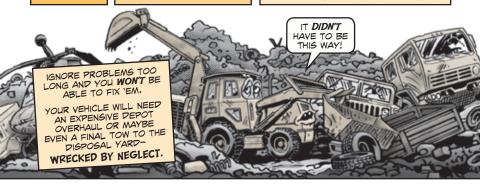


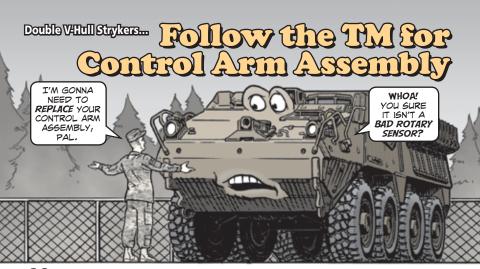
THE VEHICLE HADN'T BEEN MOVED, EXERCISED, OR EVEN STARTED THAT ENTIRE TIME.

ARMY
EQUIPMENT
NEEDS
CONSISTENT,
EVERY DAY
PMCS, THAT'S
NO SECRET.

ANY EXTRA TIME BETWEEN REQUIRED OIL CHANGES WILL GIVE RISE TO SLUDGE, A REAL ENGINE-CLOGGER. ENGINE COMPONENTS WEAR OUT MUCH FASTER WHEN OIL CAN'T REACH THEM.

AND FOR EVERY PMCS THAT'S MISSED,
THE PROBLEMS GROW A LOT LARGER.
SHORTCUTS AND NEGLECT WILL CUT
YEARS OFF A VEHICLE'S LIFE. AND
DON'T FORGET THE CORROSION, DRY
ROT AND SEIZED PARTS THAT ARE
LURKING JUST AROUND THE CORNER.

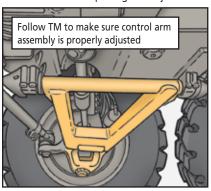


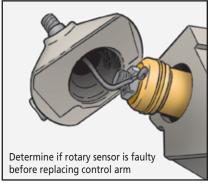


Mechanics, make sure to follow the correct procedures when adjusting the double V-hull Stryker's control arm assembly on the first axle.

Stryker brigades are reporting that they have replaced dozens of control arm assemblies, mostly because of faulty or damaged rotary sensors.

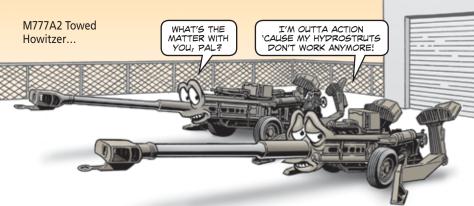
Don't replace the control arm assembly before going through the calibration process for the rotary sensor. If an operator reports that their vehicle's height management system (HMS) indicates a faulty rotary sensor, make sure the control arm assembly is properly adjusted first so you get a good reading from the control arm sensors. That way you'll know for sure if the control arm needs replacing or if it just has a faulty sensor.





While you're at it, remove the end caps from the control arm and apply a thin coat of GAA. That'll help keep the rotary sensors and rotary thrust piece assemblies from corroding.

You'll find the complete procedure for adjusting the first control arm assembly in TM 9-2355-363-13&P in IETM EM 0362 (Sep 16).



STOP CYLINDER CORROSION WITH CLP!

THE CYLINDERS, NGN 1025-99-724-3742, CAN'T BE REPAIRED. REPLACING ONE WILL SET YOUR UNIT BACK NEARLY \$11,000.

SAVE YOURSELF SOME SERIOUS HEADACHES BY PUTTING CLP ON THE CYLINDERS ONCE A WEEK AND WIPING OFF ANY EXCESS LUBE WITH A CLEAN RAG, JUST LIKE IT SAYS IN WP 062-14 OF TM 9-1025-215-10 (JAN 16).



THAT'LL KEEP THOSE HYDROSTRUTS IN GOOD WORKING ORDER AND YOUR HOWITZER COMBAT-READY.

CREWMEN, THE
GAS CYLINDERS
ON YOUR M777A2
TOWED HOWITZER'S
HYDROSTRUTS
CAN RUST AND PIT
IF THEY AREN'T
LUBED REGULARLY.

THAT CAN MAKE YOUR HOWITZER NMC!

M88A2 Full Vehicle Tarp

If your M88A2 recovery vehicle will be sitting in the motor pool for more than two weeks, protect it from the elements with a tarp that's big enough to cover the entire vehicle. Get a tan tarp with NSN 2540-01-578-4446 or a green tarp with NSN 2540-01-578-3927.

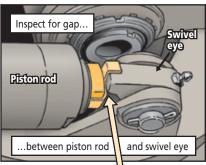


THERE'VE BEEN SEVERAL INSTANCES OF THE M777A2 TOWED HOWITZER'S BREECH CRANK STRIKING THE LOADING TRAY DURING RECOIL!

THIS CAN HAPPEN WHEN THE LOADING TRAY'S PISTON SWIVEL EYE LOOSENS, CAUSING A GAP BETWEEN THE LOADING TRAY PISTON ROD AND THE SWIVEL EYE.

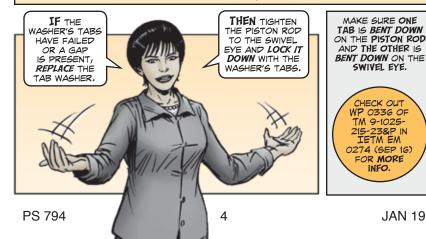
THIS GAP KEEPS THE LOADING TRAY FROM REACHING THE FULLY STOWED POSITION.

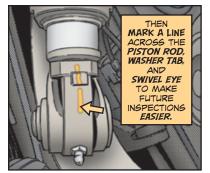
THE GAP CAN WIDEN OVER TIME, DROPPING THE LOADING TRAY INTO THE RECOIL PATH.



JAN 19

MECHANICS, INSPECT THE LOADING TRAY CYLINDER'S CONNECTION TO THE LOADING TRAY TO MAKE SURE THERE *ISN'T* A GAP BETWEEN THE PISTON ROD AND SWIVEL EYE AND THAT THE TAB WASHER, NON 5310-99-273-0266, ISN'T LOOSE OR UNSERVICEABLE.







FOR MORE INFO, CHECK OUT TACOM MAINTENANCE ACTION MESSAGE 18-016: https://tulsa.tacom.army.mil/Maintenance/message.cfm?id=MA18-016.html

M113-Series FOV...

KEEP FAN GEARBOX IN MIND



Trewmen, sometimes out of sight is out of mind. Because your carrier's fan gearbox sits so far back in the engine compartment, it's easy to forget to check its oil level.

But if the oil level gets too low, the bearings seize up and damage the gearbox. Then your vehicle is out of action until the gearbox gets repaired.

So don't rely on memory when it comes to the fan gearbox. Be sure to check its oil level every month, just like the -10 TM says.





CREWMEN, YOUR COMMAND POST CARRIER'S 5-KW AUXILIARY POWER UNIT (APU) GENERATOR NEEDS REGULAR PREVENTIVE MAINTENANCE TO HELP KEEP IT WORKING HARD WHEN YOU NEED IT MOST.

WITHOUT DOUBT, THE BEST THING YOU CAN DO FOR YOUR APU IS... ...FOLLOW ALL OF THE BEFORE, DURING AND AFTER PMCS CHECKS FOUND IN THE TM.

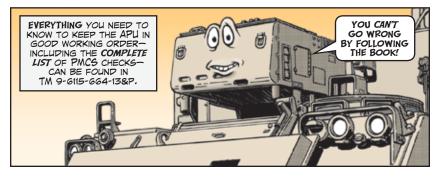


CHECKING THE ENGINE OIL BOTH BEFORE AND PURING OPERATIONS IS CRITICAL. WHEN THE ENGINE IS LOW ON OIL, PARTS CAN SEIZE AND THE ENGINE FAILS. BE SURE TO CHECK THE OIL LEVEL EVERY 10 HOURS DURING OPERATIONS. DON'T DAMAGE
YOUR COMMAND
POST CARRIER'S
APU BY FAILING
TO DO SUCH
BASIC CHECKS.

ALSO, VIBRATION DURING OPERATION CAN PUT A LOT OF STRESS ON THE APU'S MOUNTING BOLTS.

HAVE YOUR MECHANIC REGULARLY CHECK THE MOUNTING BOLTS TO MAKE SURE THEY'RE TORQUED TO SPEC.

DON'T FORGET THAT THE APU IS MEANT FOR POWERING YOUR COMMAND POST CARRIER ONLY. DON'T ANY OTHER VEHICLES OR EQUIPMENT.

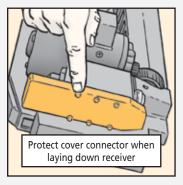


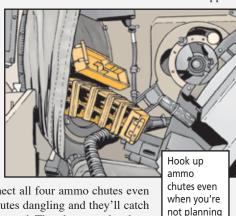


Maneuvering the M242 automatic gun in and out of the Bradley is no easy task. If you bang it around, you damage items like the sear solenoid.

Rule #1 is never try to install the M242 by yourself. Wrestling the 95-lb receiver into or out of the turret is definitely a two-man job.

Protect the sear solenoid by pointing it up so that it can't be hit by the sides of the turret. Never rest the receiver on its end where it can crush the cover connector support.





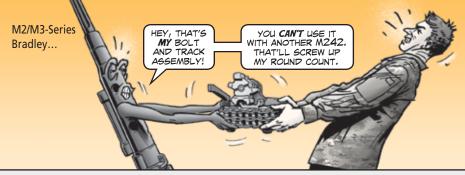
to fire

Once the receiver is installed, connect all four ammo chutes even if you don't plan to fire. Leave the chutes dangling and they'll catch on cables when the gun is raised or lowered. That damages the chute locking levers, rips out cables and wiring and locks up the turret.

Fix a damaged chute with the **latch assembly repair kit**, NSN 2590-01-268-7915.

When removing the receiver, don't twist it. Twisting lets the support bracket for the gun control panel tear off the solenoid. Just pull the receiver straight out.

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No Swapping M242 Bolt and Track Assemblies!

Dear Editor,

Some Bradley units are not ensuring the same bolt and track assembly is always used with the same M242 automatic gun. They interchange

assemblies between guns.

That causes problems because the firing pin is supposed to be changed every 12,000 rounds. If a firing pin is used with different M242s, there is no way to determine an accurate round count. Using a firing pin that is deformed from use risks catastrophic failure.

Units need to make sure they always use only one bolt and track assembly with each M242 and track rounds fired on a DA Form 2408-4.

Angel Roman-Rivera Ft Hood, TX



BUT ONE NOTE:

NORMALLY IN A SITUATION LIKE THIS IT WOULD BE MANDATORY TO REPLACE THE FIRING PINS WITH NEW ONES, HOWEVER, BECAUSE THERE IS A SHORTAGE OF FIRING PINS, A TEMPORARY AUTHORIZATION TO USE PREVIOUSLY INSTALLED FIRING PINS WITH UNKNOWN ROUNDS COUNTS HAS BEEN GRANTED BY TACOM AND ARDEC.

THIS TEMPORARY AUTHORIZATION GIVES THOSE FIRING PIN ASSEMBLIES A REMAINING LIFE OF 6,000 ROUNDS AFTER THEY HAVE MET INSPECTION CRITERIA OUTLINED IN TACOM MAINTENANCE ACTION MESSAGE (MAM) 17-044:

https://tulsa.tacom.armu.mil/ Maintenance/message. cfm?id=MA17-044.html

THE CRITERIA OUTLINED IN THE MAM CAN BE USED TO RE-ESTABLISH ROUNDS COUNT ON FIRING PINS THAT HAVE BEEN MIXED UP WHEN BOLTS AND TRACKS HAVE BEEN ACCIDENTALLY SWAPPED UNTIL THE FIRING PIN SUPPLY SITUATION IMPROVES.

A PERMANENT SOLUTION TO ACCIDENTAL BOLT AND TRACK MIX-UPS IS TO PERMANENTLY ETCH OR ENGRAVE THE BOLT CARRIER ON THE RIGHT SIDE OF THE EJECTOR WITH THE MATCHING GUN SERIAL NUMBER.





BUT

DON'T USE

STAMPING

TOOLS, THEY

CAN DAMAGE

THE BOLT

CARRIER.

M1-Series Tanks...

KEEP THOSE SIGHT GLASSES CHAIN

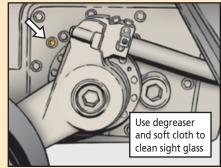




When checking the shock absorber sight glass on your M1-series tank, what you see is what you get—unless the sight glass is clouded. In that case, figuring out the oil level is anybody's guess.

And when it comes to the oil level, you never want to guess. It should be between the middle and top of the sight glass. If the oil level is low or appears milky, tell your mechanic right away.

So you can always get a proper oil level reading, clean the sight glass the right way. Don't use wire brushes, knife blades or screwdrivers to clean the glass. A clean cloth and **degreaser**, NSN 6850-01-474-2319, will do the trick.



MB, MBA1 Tred Down and Lovin It. PUPE, I'VE GOT A LOT RIPING ON THOSE CROP TIE-POWNS. THEY'RE ALL IN GOOD SHAPE, RIGHT? OF COURSE! NOW'S NOT THE TIME TO PISCOVER A WORN-OUT STRAP!

MAYBE YOU AVOID GETTING TIED DOWN IN YOUR PERSONAL LIFE, BUT IF YOUR PROFESSIONAL LIFE INVOLVES CONTAINER ROLL-IN-OUT PLATFORMS (CROPS), GETTING TIED DOWN IS DEFINITELY THE WAY TO GO!

THE M3 CROP, NSN 3990-01-442-2751, AND M3A1 CROP, NSN 3990-01-450-5671, BOTH RELY ON WEB TIE-DOWN STRAPS TO SECURE THEIR LOADS. THERE'S A LOT RIDING ON THESE TIE-DOWNS, BUT THEY'RE OFTEN OVERLOOKED DURING PMCS.

IN ADDITION TO ITEM 2 IN THE BEFORE OPERATIONS PMCS OF TM 9-3990-260-14&P, HERE ARE 10 SPECIFIC TIE-DOWN CONDITIONS THAT MAKE THE CROP NOT FULLY MISSION CAPABLE:







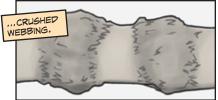












6. SIGNS OF
ULTRAVIOLET
(UV) LIGHT
PEGRAPATION
SUCH AS
FAPING,
STIFFNESS OR
FUZZY FIBER
PUST WHEN
YOU SLAP
THE STRAP.

7. DISTORTION, EXCESSIVE PITTING, CORROSION OR OTHER DAMAGE TO BUCKLES OR END FITTINGS.



ALL TIE-DOWN
STRAPS
SHOULD BE
INSPECTED
BEFORE EVERY
USE TO ENSURE
THEY'RE
SERVICEABLE
AND SAFE.

8. BROKEN
OR WORN
STITCHES
IN LOADBEARING
SPLICES.

9. TIE-DOWN IDENTIFICATION TAG IS MISSING OR UNREADABLE. 10. ANY OTHER CONDITION THAT CAUSES DOUBT ABOUT TIE-DOWN STRENGTH.

THE APPLEATE

FOR MORE INFORMATION, CHECK OUT THE SYNTHETIC TIE-DOWN SAFETY BULLETIN, AVAILABLE AT:

https://www.cargoequipmentcorp.com/pdf/tie-down-safety-bulletin.pdf

FIND INSTRUCTIONS FOR **PROPER USE** OF TIE DOWN STRAPS IN TM 9-3990-260-14&P. ALSO SEE TACOM MA 18-028 FOR MORE SAFETY DETAILS, AVAILABLE WITH CAC-ACCESS AT:

https://tulsa.tacom.army.mil/Maintenance/message.cfm?id=MA18-028.html



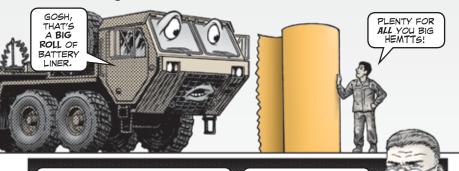


TWO NEW NSNS ARE NOW AVAILABLE FOR CROP DATA PLATES!

TO ORDER A DATA PLATE FOR THE M3 CROP, USE NSN 2590-01-657-7828.

TO ORDER A DATA PLATE FOR THE M3A1 CROP, USE NSN 2590-01-671-4252. HEMTT...

BATTERY LINER SOAKS UP PROBLEMS



MESSY SPILLS, PAPER TOWELS, BABY PIAPERS AND KITTY LITTER PROBABLY COME TO MIND.

THINK OF STUFF DESIGNED TO ABSORB

BUT THE THING TO THINK ABOUT UNDER THE HOOD OF A HEMTT IS A BATTERY BOX LINER.

BECAUSE THE HEMTT'S BATTERY BOX SITS DIRECTLY OVER THE AIR TANKS, THERE'S A POSSIBILITY THAT BATTERY ACID CAN SPLATTER DOWN AND CORRODE THE AIR TANKS.

THIS COULD CAUSE THE BRAKES TO LOSE AIR PRESSURE IF THE CORROSION EATS AWAY THE MOUNTING HARDWARE OR CORRODES THE TANK FITTINGS.

THE BEST WAY TO PREVENT THIS PROBLEM IS TO USE A BATTERY BOX LINER, NSN 6160-01-389-1966, UNDER THE BATTERIES AND THE HOLD-DOWN STRAPS. COVER THE ENTIRE BOTTOM OF THE BATTERY BOX.



THEN PUT SOME SMALLER PIECES UNDER THE HOLD-POWN STRAPS TO SOAK UP ANY ELECTROLYTE BOIL-OVER FROM THE BATTERY CELLS.

THIS PREVENTS IT FROM PRIPPING DOWN TO THE BOTTOM OF THE BOX.

Use small pieces under hold-down straps

TO ATTACH THE SMALLER PIECES, USE \(\sqrt{2}\)-INCH ELECTRICAL TIES TO HOLD THE LINER STRIPS IN PLACE BY WRAPPING THE TIES AROUND THE HOLD-POWN STRAPS.

THE TIES COME IN A PACKAGE OF 100 WITH NSN 5975-00-074-2072.

THE LINER WILL NEED TO BE CHANGED
WHEN IT BECOMES SOAKED WITH BATTERY
ACID OR STARTS TO DETERIORATE.

BUT IT COMES IN A 1X100-FT ROLL, WHICH MAKES IT EASY TO CUT WHATEVER SIZES YOU NEED.

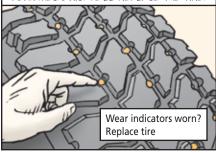
CHECK TIRE WEAR INDICATORS





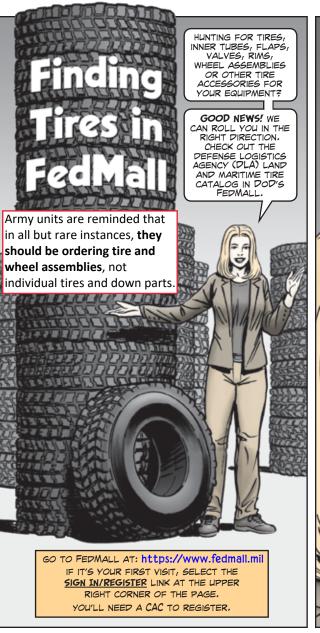


THE BEST AND QUICKEST WAY TO CHECK TREAD HEIGHT IS TO LOOK AT THE TIRE'S WEAR INDICATORS. WHEN THE RUBBER TAPS ON THE AIP2 FMTV OR THE WEAR BARS ON THE AI FMTV START TO SHOW WEAR, TELL YOUR MECHANIC, HE'LL REPLACE THE TIRE.

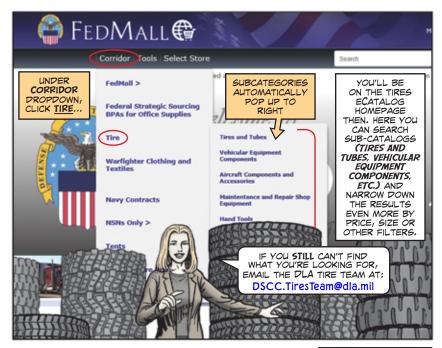


YOU'LL FIND THIS A1P2 BEFORE OPERATION CHECK LISTED AS ITEM 11 IN THE PMCS TABLES OF TM 9-2320-333-13&P IN IETM EM 0294 (JUN 15).

FOR THE 21/2-TON AI LMTV, LOOK AT THE AFTER OPERATION CHECK LISTED AS ITEM II IN THE PMCS TABLES OF TM 9-2320-391-10-3 (OCT 17). FOR THE 5-TON A1 MTV, YOU'LL FIND THE AFTER OPERATION CHECK AS ITEM 14 IN THE PMCS TABLES OF TM 9-2320-392-10-4 (OCT 17).







NEED HELP FINDING OR ORDERING ITEMS FROM FEDMALL? CONTACT DLA CUSTOMER SERVICE AT 877-352-2255 OR EMAIL:

DLAcontactcenter@ dla.mil

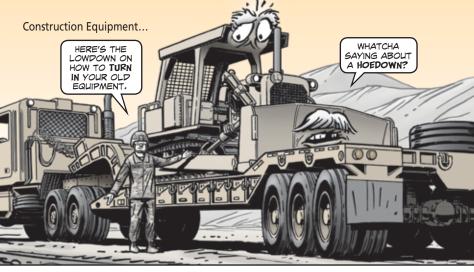
Wire Rope for Securing Parts

When you need to keep equipment parts from moving during rail transport, wire rope is a must-have. Order the size you need with these NSNs:

Size (in)	NSN 4010-	Nominal Strength (lb)	Required Clamp Torque (lb-ft)
1/4	00-269-9324	5,880	25
3/8	00-272-8849	13,120	45
1/2	00-272-8848	23,000	65
5/8	00-763-9361	35,800	130

M878A2 Backup Alarm NSN

Get a new backup alarm for your M878A2 yard tractor with NSN 6350-01-412-3305. NSN 6350-01-503-4487, which is shown as Item 1 in Fig 148 of TM 9-2320-312-24P (Jun 12), brings the wrong alarm.



KNOW-HOW NEEDED FOR VEHICLE TURN-IN

BEFORE TURNING IN YOUR CONSTRUCTION EQUIPMENT AT DLA DISPOSITION SERVICES...



THEN LOG INTO THE PECISION SUPPORT TOOL (PST) LOCATED IN LOGSA'S LOGISTICS INFORMATION WAREHOUSE (LIW) FOR INSTRUCTIONS AND KEY NOTES FOR YOUR EQUIPMENT'S DISPOSITION.

NOTE: TO USE THE DST APPLICATION, YOU'LL NEED TO USE THE MICROSOFT EXPLORER BROWSER RATHER THAN MICROSOFT EDGE.

Log in to LIW at: https://liw.logsa.army.mil
 If you don't have an LIW account, register by clicking on the New User Registration link.

2. Scroll down and click on the App Warehouse icon.









3. In the Keyword Search box, type DST. When the orange DST icon appears, click <u>Create Shortcut</u>. Click the small x in the upper right-hand corner to exit.

- 4. Back at the LIW screen, click the DST app.
- On the DST-SM homepage, click the DST-SM Home down arrow and click on <u>Item Catalog</u> in the second column.
- 6. Select the NIIN/MCN Catalog tab.
- 7. Type your equipment's NIIN in the Contains box. Then click the blue Load Data button.
- **8.** Once the new page populates, you'll find the instructions/key notes for disposition listed under Auto Disposition.



DOZERS

usarmu.detroit.tacom.mbx.ilsc-dozers@mail.mil

GRADERS

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

CONCRETE PAVING SYSTEM

usarmy.detroit.tacom.mbx.ilsc-concrete-paving-sys@ mail.mil

SKID STEER LOADERS

usarmy.detroit.tacom.mbx.ilsc-skid-steer-loaders@mail.mil

SCRAPERS, WATER DISTRIBUTORS, COMPRESSORS,

CRUSHING PLANTS, TCMMD-DENSITY TESTER usarmy.detroit.tacom.mbx.ilsc-compressors@mail.mil

EXCAVATORS, HMEE, BACKHOES

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

LOADERS

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

ASPHALT-MIXING PLANT/PAVING MACHINE, COMPACTORS, ROLLERS

usarmu.detroit.tacom.mbx.ilsc-rollers@mail.mil

Construction Equipment...

Updated MEL Changes

USE THESE UPDATED PERCENTAGES TO PETERMINE THE LATEST MAINTENANCE EXPENDITURE LIMIT (MEL) FOR OLDER CAT CONSTRUCTION EQUIPMENT:



	Item	NSN	MEL %
	130G road grader	3805-01-150-4795	35
	D7G tractor w/ripper	2410-01-233-0350	25
	D7G tractor w/winch	2410-01-223-7261	25
	D7G tractor w/winch, winterized	2410-01-253-2117	25
	D7G tractor w/ripper, winterized	2410-01-253-2118	25
	D7G tractor w/AOA and winch	2410-01-538-6780	25
	D7G tractor w/AOA and ripper	2410-01-538-7793	40
1	621B scraper	3805-01-153-1854	25
100	621B scraper w/AOA	3805-01-538-6852	40

QUESTIONS? CONTACT TACOM'S COMBAT ENGINEERING GROUP AT: usarmy.detroit.tacom.mbx.ilsc-compressors@mail.mil



PERATORS AFTER A TRACK ADJUSTMENT ON YOUR D7R II DOZER, MAKE SURE THE TRACK ADJUSTER COVER IS SNUG ON THE RECOIL SPRING COMPARTMENT.

WHILE YOU'RE AT IT, CHECK THE CAP'S RUBBER O-RING SEAL.

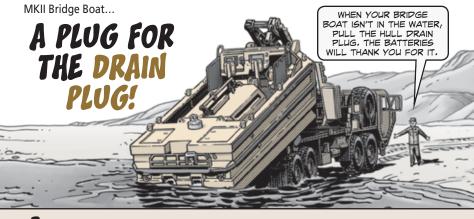


IF THE SEAL'S MISSING, SQUASHED OR TORN, WATER CAN GET INTO THE OIL IN THE RECOIL SPRING COMPARTMENT, OIL AND WATER DON'T MIX, ESPECIALLY IN HARD-WORKING EQUIPMENT!



REPLACE A BAD OR MISSING O-RING SEAL WITH NSN 5331-00-859-0396. YOU'LL FIND IT LISTED AS ITEM 7 IN FIG 63 OF TM 5-2410-241-24P (FEB 12).



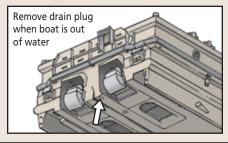


Rain can play havoc with the batteries on your MKII bridge boat. The batteries sit in the hull, so if enough rain collects there, the batteries short out!

Whether your boat is in the water or dry-docked, keep excess water out of the boat's hull!

Getting rid of that excess water is easy when dry-docked. Just open the boat's bilge drain plug. Leave it open if the boat won't be in the water for a while. You'll find the plug located between the left and right scoops on the back of the boat.

By the way, you'll find this same info on Pages 2-40 and -41 as Before and After PMCS Check #36 in TM 5-1940-277-10 (Sep 93, w/Ch 3, Aug 06).



230LCRD HYEX...

Get the Right Engine!

MECHANICS, MAKE SURE YOU CHECK THE DATA PLATE ON THE 23OLCRD HYDRAULIC EXCAVATOR'S (HYEX) ENGINE BEFORE ORDERING A NEW ONE. THERE ARE TWO DIFFERENT TYPE II ENGINES USED ON THESE VEHICLES...

- Model T06068HT051 6-cylinder main engine, NSN 2815-01-483-5846
- (Note: This engine is also used on the 230LCR Type I HYEX)
 Model T04045TT050 4-cylinder air compressor engine, NSN 2815-01-483-5854

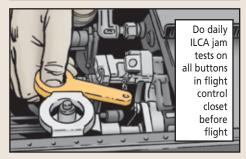
A FEW SECONDS READING THE DATA PLATE CAN SAVE LOTS OF DOWNTIME FROM ORDERING THE WRONG ENGINE.





GOOD PM MEANS PERFORMING ALL
PREVENTATIVE MAINTENANCE SERVICES (PMS)
AND NEVER PUTTING YOUR AIRCRAFT AT RISK.

SO GET IN THE CLOSET AND DO THE ILCA JAM SIMULATION TEST LIKE IT SAYS IN WP 3398 OF TM 1-1520-271-23&P.



DURING OPERATION, THE RED JAM SENSOR INDICATOR BUTTONS WILL POP OUT AUTOMATICALLY IF THERE'S A PROBLEM WITH THE ILCA.

THE JAM SIMULATOR BUTTONS ARE HARD TO REACH, AND SOME UNITS ARE USING SCREWDRIVERS, HARD METAL OR SHARP TOOLS TO PRESS DOWN ON THE PLUNGER.

THOSE ITEMS CAN MUSHROOM THE PLUNGER AND SEALS ON THE JAM SIMULATION BUTTONS.

TOO MUCH DAMAGE KNOCKS
THEM OUT OF TOLERANCE AND
MAKES THEM STICK.

STUCK ILCA JAM SIMULATION BUTTONS WON'T POP OUT WHEN THEY SHOULD, SO THE ENTIRE ACTUATOR ASSEMBLY HAS TO BE REPLACED. SO RATHER THAN PICKING UP WHATEVER'S HANDY, PRESS ALL EIGHT BUTTONS WITH A TOOL MADE OF WOOD OR SOFT METAL—LIKE ALUMINUM OR BRASS—THAT HAS A FLATTENED SURFACE AT ONE END.

IF THE RED BUTTONS **POP OUT**, THEN YOU'VE GOT THE TOOL TO **RESET 'EM AND FORGET 'EM** UNTIL THE NEXT FLIGHT.

NEED HELP WITH A TOOL FOR PUSHING THOSE ILCA JAM SIMULATION BUTTONS?

HAVE YOUR LOCAL MAINTENANCE SHOP FABRICATE A TOOL USING THIS DRAWING:

	1		NAS1756-12	STREAMER	
	2	8	CL-2-F	CABLE FERULE	.138 ID212 OD
	1	8	CL-2-C-8-0	COATED CABLE	.067 DIA
	1		*5-40 UNC	SOCKET SET SCREW	CUP POINT. 3/4 LONG
	1		-2	WRENCH BODY	4>
	Χ		-1	ASSEMBLY	
OTY REDO	OTY REDO	CAGE NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL AND SPECIFICATION
	-1			PARTS LIST	

NOTES:

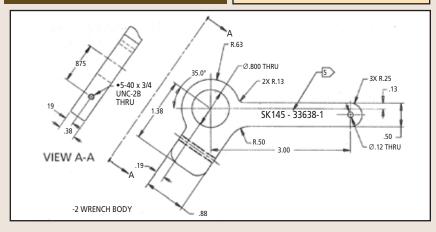
- SK145-33638 TO BE USED TO DEPRESS THE JAM INDICATOR TEST BUTTON ON THE 145H7300 LOWER CONTROL ACTUATORS.
- 2. ALL DIMENSIONS IN INCHES: .X ± 1; .XX ± .03; .XXX ± .005
- 3. BREAK ALL NON-FUNCTIONAL SHARP EDGES WITH .02 RADIUS
- 4. MAKE FROM AVAILABLE ALUMINUM PLATE.
- 5. STEEL STAMP USING 1/8 CHARACTERS
- 6. BOND SOCKET SET SCREW WITH +243 THREADLOCKER. OR EQUIVALENT. (LOCTITE CORP. ROCKY HILL. CT)
- FILE SPERICAL SHAPE ON END OF SET SCREW PRIOR TO INSERTION.
- 8. CARR LANE MFG CO. SAINT LOUIS, MO 63119-2129 CAGE: 99862

**S-40 x 3/4 SOCKET SET SCREW 7 SK145-33638-1 CL-2-F

-1 ASSY

THERE ARE SIMILAR TOOLS IN THE FIELD.
ONLY USE THEM IF THE TOOL IS MADE OF
THE RIGHT MATERIAL AND HAS A FLAT HEAD.

ONCE YOU'VE GOT ONE IN HAND, ATTACH A REMOVE BEFORE FLIGHT STREAMER SO IT DOESN'T TURN INTO FOD.



AH-64, UH-60A/L, KEEP FEET OFF ENGINES!

LEMME COME OVER THERE AND HELP YOU OUT. OK, BUT KEEP YOUR FEET OFF THE ENGINE, WE DON'T NEED ANY HEADACHES.



YOUR FEET CAN DO A LOT OF DAMAGE TO ENGINE PARTS, SO DON'T USE THE ENGINE AS A STEPPING STOOL.

ENGINES ARE A NO-STEP ZONE!

MECHANICS, BLACK HAWK AND APACHE ENGINES HAVE **PELICATE** CONNECTORS AND PARTS. SO **EVERY** TIME YOU STEP WHERE YOU **SHOULD'T**, STUFF GETS **BROKEN**. AND THAT DEFEATS THE PURPOSE OF PREVENTIVE MAINTENANCE.

SOME OF YOU ARE STEPPING ON THE ENGINE'S ACCESSORY GEARBOX, HYDRO MECHANICAL UNIT AND IPS BLOWER TO TRAVERSE THE ENGINE NACELLE. THAT DAMAGES ENGINE SEALS, SENSOR WIRING, SPLINES, OVER SPEED PRAIN VALVES AND CONNECTORS.





Over speed drain valve cannot withstand weight on Black Hawk engine

TMS AND IETMS FOR THE AH-64, UH-60A/L AND HH-60M HAVE REFERENCES TO SAFE STEPPING AREAS.

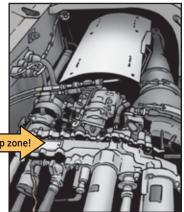
WHAT YOU WON'T FIND LISTED ARE REFERENCES TO EVERY NO-STEP AREA.

INCLUDING THEM ALL WOULD DOUBLE OR EVEN TRIPLE THE SIZE OF THE MANUALS!

WITH THAT SAID, YOU SHOULD CONSIDER THE ENGINE A **WO-STEP** ZONE. **DON'T** USE IT AS A STEPSTOOL OR A SHORTCUT ACROSS THE HELICOPTER.

Consider AH-64, UH-60A/L and HH-60M engines a no-step zone!

WHILE THE SHORTEST DISTANCE BETWEEN
TWO POINTS IS A STRAIGHT LINE, ANY STRAIGHT
LINE THAT INCLUDES THE ENGINE RESULTS IN
MISSION ABORTS, UNSCHEDULED MAINTENANCE
AND DOWNTIME.

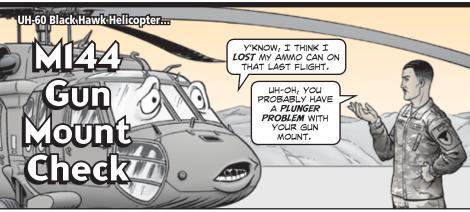


ENGINE
RELIABILITY
DEPENDS ON
KEEPING YOUR
FEET OFF THE
ENGINE.



IT'S A GOOD IDEA TO SPREAD THE WORD TO PEERS AND SUB-ORDINATES THAT THEIR FEET DON'T BELONG ON THE ENGINES.

KEEP 'EM OFF!



ADDED A 400-ROUND AMMO CAN
TO THE UH-60'S M144 GUN MOUNT.
UNFORTUNATELY, THERE HAVE BEEN
SEVERAL INSTANCES OF THE CAN
FALLING OFF DURING FLIGHT.

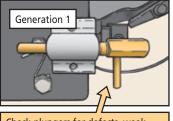
INVESTIGATION REVEALED **WEAK SPRING TENSION** FOR THE MOUNT'S PLUNGER ASSEMBLY. IT **WASN'T** FULLY ENGAGING THE PLUNGER INTO THE MOUNT.

THIS IS TRUE FOR BOTH
GENERATION 1 AND 2 PLUNGERS

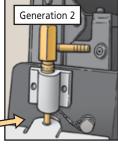
UNITS NEED TO
IMMEDIATELY
CHECK THE PLUNGER
ASSEMBLIES FOR
PROBLEMS.

LOOK FOR:

- any plunger defects
- weak spring tension
- failure of the plunger to fully engage when it's released into the mount.



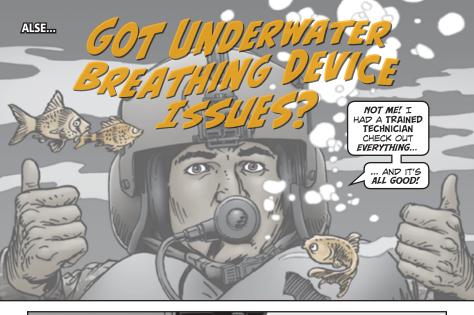
Check plungers for defects, weak tension and failure to engage mount



INSPECT THE PLUNGER DURING REGULAR MAINTENANCE, WEAPON SYSTEM INSTALLATION AND PREFLIGHT CHECKS.

WHEN THE WEAPON SYSTEM ISN'T IN USE, RELIEVE TENSION ON THE PLUNGER SPRING TO AVOID WEAKENING THE SPRING OVER TIME.

IF YOU HAVE ANY M144 GUN MOUNT QUESTIONS, CONTACT YOUR LOCAL LAR... ...OR TACOM'S JAMES MATHEWS AT (586) 282-1368 OR EMAIL: iames.c.mathews16.civ@mail.mil





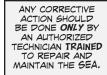
DURING RAPID PURGING SITUATIONS, THE HP SEAT DISC MATERIAL OF THE FIRST STAGE ON/OFF VALVE MAY POKE OUT FROM THE SEAT RETAINER, CUTTING OFF THE AIR SUPPLY. THE SEAT DOESN'T FILLY SEPARATE FROM THE RETAINER, BUT ONLY STICKS OUT A TINY BIT. IT CAN USUALLY BE RESET BY COMPLETELY CLOSING THE ON/OFF VALVE AND THEN REOPENING IT.

THIS PROBLEM IS ONLY KNOWN TO OCCUR IN HIGH-USE TRAINING FACILITIES WHERE CHRISTO-LUBE WAS APPLIED AND MAY HAVE ACCUMULATED OVER TIME.

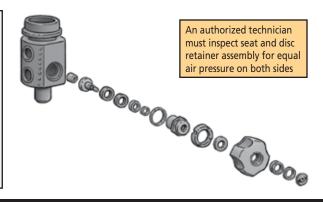
LUBRICATING THE SEAT AND DISC RETAINER ASSEMBLY OR THE INTERNAL THREADS OF THE FIRST STAGE BODY CAN KEEP AIR PRESSURE ON BOTH SIDES OF THE VALVE SEAT FROM EQUALIZING.



Have breathing device problems?
Have a trained technician inspect seat and disc retainer assembly inside



THE WORK
MUST
BE PONE
EXACTLY
AG THE
COMMERCIAL
TM SAYS.



Function Check

USING A FULLY CHARGED CYLINDER, OPEN THE ON/OFF VALVE AND FOLLOW THESE STEPS...



- Start an extreme rapid purge by pressing the purge button fully on the second stage of the survival egress air (SEA). Wait until the cylinder is completely depleted. Note: Monitor the high pressure indicator during the function check. A rapid drop of supply pressure indicates a malfunction.
- If air flow stops quickly before cylinder depletion, the system fails the function check. Remove it from service and proceed to Step 4.

A gradual stop of the air flow (under 500 psi indicated) is normal as the cylinder pressure depletes.

- **3.** If air flows without interruption while depleting the cylinder, recharge the system. Repeat Step 1, keeping the valve in the ON position. Again, a gradual stop of the air flow (under 500 psi indicated) is normal. If the unit passes this second test, return it to service.
- 4. For systems that fail the function check, replace the seat and disc assembly (PN 108322) and O-ring, (PN 520015) with new parts from Aqua Lung. Follow the modified instructions in the SEA TM listed on Page 26. Note: After removing the old parts, clean the threads of the body with a lint-free swab or cloth. Do not reapply lubricant to the seat and disc retainer. That can trap debris in the threads.
- 5. With the ON/OFF valve partial rebuild complete, fully charge the system and repeat a single test (Step 3.) If the unit passes this final test, return it to service.



PS 794 25



THE MODIFIED PROCEDURE FOR REV 1/16 OF THE SURVIVAL EGRESS AIR TECHNICAL MANUAL, NEEDS THE FOLLOWING CHANGES:

UNDER REASSEMBLY OF HANDWHEEL IN PARA 17 ON PAGE 13,

DELETE "Lubricate the threads of a new seat disc & retainer (29)."

REPLACE IT WITH

"Do not lubricate the threads of a new seat disc & retainer (29)."

THIS CHANGE WILL BE ADDED TO THE NEXT TM UPDATE.

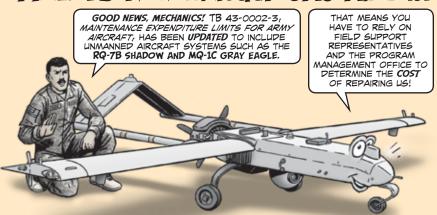
GOT QUESTIONS?

CONTACT DAVID BATH AT DSN 748-8027, (256) 842-8027 OR EMAIL: david.t.bath.ctr@mail.mil



DIADE

MEL TB Now Includes UAS Aircraft



MAINTAINERS ARE NOW REQUIRED TO PERFORM AN ESTIMATED COST OF DAMAGE (ECOD) BY FOLLOWING AR 750-1, ARMY MATERIEL MAINTENANCE POLICY (AUG 17).

SO SPREAD THE WORD TO ALL YOUR UAS COHORTS AND DOWNLOAD A COPY OF THE UPDATED AND NEWLY RENAMED TB 43-0002-3, MAINTENANCE EXPENDITURE LIMITS FOR ARMY AIRCRAFT AND UAS (FEB 17), AT THE LOGSA ETM WEBSITE: https://liw.logsa.army.mil/etmapp/#/etm/home

CHECK OUT AVIATION MAINTENANCE ACTION MESSAGE GEN-17-AMAM-O1 FOR MORE PETAILS ABOUT UAS REPAIR:
https://asmprd.redstone.armu.mil/default.aspx

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MK 19Sear assembly (775-44)	785	38	LOADER, BACKHOE (BHL)		
HAZARDOUS MATERIALS & WASTE (H	HAZM	AT)	Digging tips	791	16
HMIRS Nex Gen introduction	783	54	Ether spray for engine starts a no-go	792	
PSCC transportation help	793	61	HMEE-1Axle grease fitting lube	787	
HEATER, SPACE			HMEE-1Swing lock pin, insert before trave		
Convective Space HeaterBattery tips	782	47	HMEE-1Windshield washer hose T-fitting	788	
HELMETS, AVIATION			Prime turbo at startup, after storage	785	
AAIHIntro to new helmet	788	50	Prime turbo at startup, after storage	791	
AAIHLiner supply, use HGU-56 liners	788		LOADER, SCOOP-TYPE		
AAIHTM available	783		966HBucket lubing	783	12
AAIHTM available	790		· ·	103	1 /
Helmet bags for helmets only	783		LOADER, SKID-STEER, BOBCAT		
IHADSSHelmet frame not reparable	786		M400T, M400WDoor assembly NSN	782	60
IHADSSHOLT software upgrade	788		LOGISTICS ASSISTANCE		
IHADSSVisor housing display not available			AMSAA helps with bench and shop stock	791	57
	0 //1	21	ASL help from LOGSA PSCC	784	
HELMETS, GROUND	793	40	CTC planning steps	785	
CVCHelmet shell NSNs ECHHelmets with sensors replaced	793		DLA customer interaction center	788	
Night vision equipment mounting videos	782		Warehouse operations help	788	26
	102	00	LOGISTICS MANAGEMENT		
HOWITZER, SP, M109A6 PALADIN	=00		AACA clears cargo for air clearance	785	58
Air cleaner box cleaning	788		B-Kit accountability	790	58
Engine air duct hose clamp	793		GCSS-ArmyAIT handheld transaction code	s 793	58
Idler arm housing lube	793		GCSS-ArmyCodes decoded	786	56
MCS hose not for personal A/C	786 784		GCSS-ArmyCorrosion cause code	792	
Repaired gun tube corrosion			GCSS-ArmyGreenwich Mean Time chart	791	
Travel lock friction linings	791	09	GCSS-ArmyHR BOM discrepancy	791	
HOWITZER, TOWED, M119-SERIES			GCSS-ArmyRDD needed for 02 parts	784	
A3Exercise, cannon tube cracks, recoil rails			GCSS-ArmySerial number profile request	782	
BOP points for hearing protection	787		GCSS-ArmySupply smartbook download	791	
Cradle crack check	790		GCSS-ArmyTerms & abbreviations	789	
Firing pin fix	782	03	GCSS-ArmyTraining request email	791	
HOWITZER, TOWED, M777A2			GCSS-ArmyWebsite URL change	790	
Breech block witness marks	785	04	Manufacturer location	789	
Cradle crack check	790		PAVPB for property accountability training	782	59
Spade latch spring, breech carrier	784	04	MASK, PROTECTIVE		
IMPROVED TARGET ACQUISITION SYSTE	EM (IT	AS)	C2A1 canisters leaking carbon	786	
Battery charger, TU lift, TU case, cleaning	793	16	M40, M42, JSGPMFitting issues	793	
Launch tube crack prevention	788	44	M40-, M50-SeriesFaceforms for storage	785	
LRU tracking for accountability	789	36	M50Outsert, nosecup retaining ring, storage	790) 44

MEDICAL EQUIPMENT	Subject	Issue	Pg	Subject	Issue	/Pg
Maintenance-significant medical equipment 785 50	M50, M51Improvements, PM help	786	27	NIGHT VISION EQUIPMENT		
Poison ivy treatment	MEDICAL EQUIPMENT			AN/PSQ-39Operator's manual released	790	49
Poison ivy treatment		785	50	AN/PVS-7, -14ACH viewer mount	789	51
Tactical combat casualty care (TCCC) card 783 52 AN/PVS-14-LIF, parts, batteries 788 788 788 788 789 790		788	55	AN/PVS-7B/D, -14LIF, packing, lens paper	er790	47
Buffalo-Camera dots, electrical disconnect 790 17 8 8 8 8 8 8 8 8 8		783	52	AN/PVS-14LIF, parts, batteries	788	58
BuffaloCamera dots, electrical disconnect 790 17 18 18 17 18 18 17 18 18	MINE CLEARING EQUIPMENT			AN/VAS-5DVE sensors replaced	787	47
BuffaloCold weather fluid warmup 792 16 16 17 16 17 16 17 16 17 16 17 17		. 790	17	AN/VVS-2Turn-in needed	790	51
Buffalo-Hoses, keep CARC away 785 17 17 18 17 18 17 18 17 18 18	*		16	Battery acid damage		
Buffalo	•	785	17	Helmet mounting videos	782	60
Calibration, LOSS, head angle, RF, fatigue 787 18 Desiccant NSNs, use 785 52 M1231 HuskyAir cleaner, dust cap 786 18 Fast Pack types, uses 793 54 M1231 HuskyStealant, hydraultic leaks 782 18 Method 20 packing 787 56 M1231 HuskyStealant, hydraultic leaks 782 19 Preservative types to prevent corrosion 784 58 M1231 HuskyStealant, hydraultic leaks 788 18 Method 50 packing 787 56 M1231 HuskyStealant, hydraultic leaks 782 19 Preservative types to prevent corrosion 784 58 M1231 HuskyStealant, hydraultic leaks 788 18 Method 50 packing 787 56 Method 20 packing 788 56 Meth		785	18	PACKAGING		
M1231 HuskyAir cleaner, dust cap 786 18	BuffaloWalking beam bushings check	791	19	Corrosion assistance publications	792	58
M1231 HuskySecalant, hydraulic leaks 788 18 Method 20 packing 787 56 56 M1231 HuskySecalant, hydraulic leaks 788 18 Method 50 packing 787 58 787 58 788 18 Method 50 packing 787 58 788 58 788	Calibration, LOSS, head angle, RF, fatigue	787	18	Desiccant NSNs, use	785	52
M1231 HuskySelank, hydraulic leaks 788 18 M1231 HuskyStowage bin access door M1231 HuskyStowage bin access door M1231 HuskyStowage bin access door M1231 HuskyTransmission filter cover MinehoundPowerhound kit, weight strap 780 41 MinehoundPowerhound kit, weight strap 780 41 MinehoundPowerhound kit, weight strap 780 41 MISSILE, HIMARS Connector cleaning, second-chance adapters Frame rail inspection criteria 789 38 Machinot a seat 789 40 Hatch not a seat 789 40 Hoist cable tips 788 43 M240B, store in cab during firing 791 41 Newsletter 787 43 MISSILE, JAVELIN CLU batteries 792 45 MISSILE, JAVELIN CLU batteries 792 45 MISSILE, JAVELIN CLU batteries 792 45 MISSILE, PATRIOT GPS cables, disconnect properly 789 37 Track lube, outrigger sight glass, LEM drain 780 MLRS 300WP3 engine cable, keep feet away 780 605 Connector cleaning, second-chance adapters 780 605 Rose addionards website for old issues 783 61 MORTARS MI20A1Breech cap, don't use hammer 780 40 MI20A1, M121Bipod lubing, PMCS 789 41 MI53 CROWS IICocking bracket 786 42 MOOUT, WEAPONS M153 CROWS IIDiagnostic kit 786 61 MI53 CROWS IIDiagnostic kit 786 61 Method 50 packing 9 Preservative types to prevent corrosion 784 58 PERSONAL EQUIPMENT Hydration systems 786 50 OCIE protective equipment turn-in 786 60 Pop-up bed w/insect net 786 49 PPOL PQAS-EHookup for external power 789 52 PQAS-E-Hookup for external power 789 52 POWER DISTRIBUTION DISE turn-in and PDISE replacement 783 50 PS MaGAZINE Article submission criteria 782 50 PS Mag Live 793 51 PS Mag Live 794 54 PS Mag Live 793 51 PS Mochina 470 Fresch 670 do bulletin boards 783 61 PS Mag Live 794 54 PS Mag Liv	M1231 HuskyAir cleaner, dust cap	786	18	Fast Pack types, uses	793	54
M1231 HuskyStowage bin access door 782 19 Preservative types to prevent corrosion 784 58 M1231 HuskyTransmission filter cover 783 18 M1231 HuskyTransmission filter cover 783 18 M1231 HuskyTransmission filter cover 784 18 M1231 HuskyTransmission filter cover 785 18 M1231 HuskyTransmission filter cover 780 18 M1231 HuskyTransmission filter cover 783 18 M1231 HuskyTransmission filter cover 784 18 M1231 HuskyTransmission filter cover 784 18 M1231 HuskyTransmission filter cover 785 18 M1231 HuskyTransmission filter cover 783 18 M1231 HuskyTransmission filter cover 784 18 M1231 HuskyTransmission filter cover 784 18 M1231 HuskyTransmission filter cover 780 40 M1231 HuskyTransmission filter cover 780 40 M1231 HuskyTransmission filter cover 780 41 M1231 HuskyTransmission filter cover 784 50 M1231 HuskyTransmission filter cover 784 50 M1231 HuskyTransmission filter cover 784 50 M1231 HuskyTransmission filter cover 785 41 M1241 HuskyTransmission filter cover 784 50 M1231 HuskyTransmission filter cover 785 61 M1251 HuskyTransmission filter cover 785 61 M1251 HuskyTransmission filter cover 785 61 M1251 HuskyTransmission filter cover 786 60 M1251 HuskyTransmission filter cover 785 44 M1251 HuskyTransmission filter cover 785 60 M1251 HuskyTransmission filter cover 785 44 M1251 HuskyTransmission filter cover 785 60 M1251 HuskyTransmission filter cover 785 61 M1251 HuskyTransmission filter cover 786 60 M1251 HuskyTransmission filter cover 788 42 M1251 HuskyTransmission filter cover 786 60 M1251 HuskyTransmission filter cover 788 42 M1251 HuskyTransmission filter cover 786 60 M1251 HuskyTransmission filter cover 788 42 M1251 HuskyTransmission filter cover 788 42 M1251 HuskyTransmission filter cover 789 52 M1251 Husky	M1231 HuskyDetection panel stowing	782	18	Method 20 packing	787	56
Mi231 HuskyTransmission filter cover MinehoundPowerhound kit, weight strap 790 41 Hydration systems 786 50 50 50 50 50 50 50 5	M1231 HuskySealant, hydraulic leaks	788	18	Method 50 packing	787	58
MinehoundPowerhound kit, weight strap	M1231 HuskyStowage bin access door	782	19	Preservative types to prevent corrosion	784	58
StriderControl cable, LEDs, sensing unit 785 44 OCIE protective equipment turn-in 786 60	M1231 HuskyTransmission filter cover	783	18	PERSONAL EQUIPMENT		
MISSILE, HIMARS	MinehoundPowerhound kit, weight strap	790	41	Hydration systems	786	50
Connector cleaning, second-chance adapters 792 44 PISTOLS	StriderControl cable, LEDs, sensing unit	785	44	OCIE protective equipment turn-in	786	60
Frame rail inspection criteria 789 38 M9Trigger pull test required 782 40	MISSILE, HIMARS			Pop-up bed w/insect net	786	49
Hatch not a seat	Connector cleaning, second-chance adapters	792	44	PISTOLS		
Hoist cable tips	Frame rail inspection criteria	789	38	M9Trigger pull test required	782	40
Hoist cable tips 788 43 PQAS-EHookup for external power 789 52	Hatch not a seat	789	40	POL		
M240B, store in cab during firing 791 41 Newsletter POWER DISTRIBUTION 783 50 Rear cab support latch cracks 790 45 PDISE, unpack to avoid corrosion 784 52 W513 adapter chain replacement 789 41 PDISE, unpack to avoid corrosion 784 52 MISSILE, JAVELIN CLU batteries 792 45 Heard About PS Magazine's Mobile App? 785 61 Posting PS info on bulletin boards 786 54 PS Mag Live 784 53 GPS cables, disconnect properly Track lube, outrigger sight glass, LEM drain 785 46 PS Mag Live 784 53 MLRS 98 Mag Live 784 53 300WP3 engine cable, keep feet away 786 05 Radionerds website for old issues 783 61 Hoist cable tips 788 43 AR 750-1 revised 783 61 Newsletter 787 43 CALL handbook 18-12 available 793 52 MORTARS 790 40 Cold weather equipment TMs available 782 60 M120A1-Breech cap, don't use hammer 790 40 Cold weather equipment TMs available 782 61 <	Hoist cable tips	788	43		789	52
Newsletter 787 43 builded by the point of the point	M240B, store in cab during firing	791	41			
PDISE, unpack to avoid corrosion 784 52	Newsletter	787	43		783	50
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Heard About PS Magazine's Mobile App? 785 61	MISSILE, JAVELIN				702	51
MISSILE, PATRIOT Posting PS info on bulletin boards 786 54 GPS cables, disconnect properly 789 37 PS Mag Live 784 53 Track lube, outrigger sight glass, LEM drain 785 46 PS Mag Live 793 51 MLRS PS mobile app ad 785 60 300WP3 engine cable, keep feet away 786 05 Radionerds website for old issues 783 61 Connector cleaning, second-chance adapters 792 44 PUBLICATIONS 783 61 Hoist cable tips 787 43 CALL handbook 18-12 available 783 61 Newsletter 787 43 CALL radio system handbook 784 51 MI20A1Breech cap, don't use hammer 790 40 Cold weather equipment TMs available 782 60 M120A1, M121Bipod lubing, PMCS 789 44 Combat skills GTAs 793 48 M252A1MWO causing cracks, rust 788 40 Command post tablet TMs 782 61 MOUNT, WEAPONS	CLU batteries	792	45			
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M120A1Breech cap, don't use hammer 790 40 Cold weather equipment TMs available 782 60 M120A1, M121Bipod lubing, PMCS 789 44 Combat skills GTAs 793 48 M252A1MWO causing cracks, rust 788 40 Command post tablet TMs 782 61 MOUNT, WEAPONS EMS newsletter URL 790 61 M66Ring mount kit change (773-27-35) 782 40 M334 decon kit TM available 787 61 M153 CROWS IICocking bracket 788 42 NCO Journal moves to new website 789 60 M153 CROWS IIDiagnostic kit 786 21 PAAWNS SATCOM TM released 791 47	MORTARS					
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M153 CROWS IIDiagnostic kit 786 21 PAAWNS SATCOM TM released 791 47				NCO Journal moves to new website	789	60
	9	786	21	PAAWNS SATCOM TM released	791	47
	Č			Property Accountability newsletter URL	789	60

Subject	Issue	/Pg	Subject	Issue	:/Pg
STT TMs released	791	47	SIGHTS & SCOPES		
TC 6-02.20 released	790	49	Lenspen for cleaning sights and NVDs	789	45
TB 43-180 released	790	25	M150, ACOGTurn-in info	790	40
TM shortages affect readiness	783		M151Turn in for MWO upgrade	785	37
UHST TMs published	788	61	SLAVE CABLE, NATO		
RADIAC EQUIPMENT			Various length NSNs	789	15
AN/UDR-13Beeping problem from softwar	e 782	42	SMALL ARMS		
AN/VDR-2Probe/base serial number match	782	43	Amnesty box fabrication	793	20
Q&A	782	43	Bore snake/cleaning rod, lubing, front sight	. 789	42
RADIO SET, GENERAL			Camouflage paint info	787	40
CALL radio system handbook	784	51	Caps, plugs and bags NSNs	783	42
Harris radio installation instructions	793	49	Cleaning, how often?	784	41
RADIO SET, SINCGARS			Cleaning tank tips	784	42
PLS radio installation kit	787	49	Degrease weapons before using SFL	792	36
Radio frequency cable (W2) connecting	792	52	Desert Do's and Don'ts	786	24
RT-1523EInstallation help	787	48	Inspect before and after transferring	792	38
RIFLE, M3			LARs, MWOs, gaging, clean and lube	785	40
TMs now available	787	38	Lube guide	784	
RIFLE, M16-SERIES			Lube instructions, uncocked for storage	787	
Action spring length	783	36	Operator's manual, maint forms, mods	791	
Bore clearing, rod instructions	784		Property book info on serial numbers	793	
Cleaning kits and replacement components	790		Rack security	782	
Front sight tool, buy or fabricate	792		SFL paint pen NSN	787	
Magazine PM	783		SFL paint pen NSN	793	
Polymer magazines available	784	40	SMR code check for turn-in	787	39
Usable on codes (UOC)	792	35	STORAGE		
RIFLE. SNIPER			Warehouse pallet racks	786	49
Advanced ballistic weather meter	783	37	SUGGESTION PROGRAM		
SAFETY			Soldier Enhancement Program (SEP)	792	48
Exertional heat illness, signs and symptoms	788	22	SUPPLY, GENERAL		
Fire extinguisher recall	791		Data plates needed for proper inventory	792	50
Noise hazards defined	793		Hardware catalogs	784	47
Wiley X Valor lenses recalled	784		Shelf life help	788	24
SATELLITE COMMUNICATION			Special packaging instructions (SPI) info	790	60
AN/TSC-154AALPS maintenance website	782	51	SURVEILLANCE SYSTEMS		
AN/TSC-183APN correction (780-47)	783		AN/TAS-8 LRAS3Purging procedure	782	53
PAAWNS TM released	791		TANK, M1-SERIES		
STT cover NSNs	793		Ammo compartment corrosion protection	784	03
STT TMs released	791	47	Battery drain prevention	783	03
TEIP adds more C4ISR equipment	789	50	Battery PM	787	08
Terminal reflector paint	789	47	DSESTSStore CSFM before collapsing	793	26
UHST TM published	788	61	Engine oil clogged filter warning light	788	04
WIN-TSTT towing information	782	52	Final drive filler cap vent, plug torque	791	02
SHELTERS			Fire extinguisher service life extended	791	
JECP SKI TM available	793	47	Hub cap installation	783	
SHOP EQUIPMENT			Muzzle cap prevents rust, obstructions	788	
M1022/A1 Dolly SetHydraulic fluid change	783	61	Tarp, full coverage	789	07
	. , 05	0.1			

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Subject	Issue	Pg	Subject I	ssue	/Pg
Turret basket screens, keep tight	783	04	A/C console louver damage	786	13
TEST EQUIPMENT			A/C console louver damage correction (786-13)	790	61
DSESTSStore CSFM before collapsing	793	26	Bumper guide rod instructions	782	11
SWICE online training	793	59	Front bumper, lifting shackle parts info	792	13
TMDE, MSD move to milSuite	792	56	Headlight drain hole info	793	12
TIRES			Side marker light bulb replacement	784	14
Tire assembly shelf life code explained	789	11	Tow bar bracket, spring washer NSN fix	793	60
Tire shelf life, service life	788		Under seat storage	782	12
Tire shine products unauthorized	791		Windshield delamination Q&A	790	14
TOOLS			TRUCK, FMTV		
	784	47	100-amp alternator replaced	783	14
Hardware catalogs Hardware fastener catalogs	783		A1P2Turn signal switch NSN	791	61
Jack stand FAO	783		A1P2 LTASCab lift cylinder NSN	792	61
SATSCorrosion, generator weight	792		A/C compressor belt seizing	787	11
Silicone spray, grease for rubber parts	787		CTIS air hose leak detection	792	14
Special tools go on hand receipt	785		Headlight drain holes not allowed	793	12
TK-101/GComponent listing	790		LMTV hydraulic tank NSN	792	15
	790	32	TRUCK, HEMTT		
TRACTOR, D6K	700	1.7	A2 ModelsBoom control valve NSN	793	15
Winch clevis, don't secure to tow pin	789	17	A4 ModelsDistribution manifold NSNs	792	61
TRACTOR, D7E/F/G/R			A4 ModelsWeapon mount not authorized	785	15
D7R IIFuse box corrosion	789		Fuel tank repair kit change	792	61
D7R IIMessenger display codes important	793		Load test guidance	793	60
D7R IIParking brake engaged for start	793		MEL update	793	14
D7R IIStabilizer mounting bolt replacemen			TRUCK, M915-SERIES		
D7R IIStart up right to save turbocharger	782		M915A5Front speed sensor NSN	783	60
D7R IIWinch clevis, don't secure to tow pin	n 789	17	M915A5Oil change intervals	783	
TRAILERS			M915A5Radiator NSNs	787	
Linseed oil to preserve decks	782	60	M915A5Rear wheel seal NSN	787	
M149A2Brake hose assembly NSN	782	61	M915A5Taillight NSN	783	
M149A2Landing leg NSN	793	60	M915A5VORAD sensor, bracket NSNs	782	
M149A2Manhole gasket replacement	786	12	M915A5VORAD side sensor NSN	783	60
M149-SeriesWater only in tank	786	11	M915A5Windshield NSNs	783	60
M149A2, M1112Diesel heater kit	790		M917A2Tire & wheel assembly components	s 782	15
M1101, M1102Brake master cylinder cap	787		TRUCK, M1070 HET		
Wheel assembly NSN correction (766)	790	61	A1Axle breather PM	788	13
TRAILERS, SEMI			A1Belt tensioner NSN	787	
Linseed oil to preserve decks	782	60	TRUCK, PALLETIZED LOADING (PLS		0.
M870A1Hub wheel left out of conversion k	cit787	14	A1 ModelsDistribution manifold NSNs	7 92	61
M870A1Wood decking kit	782	61	A1 ModelsEngine control unit NSN	787	
M1076/A1MEL update	793	14	A1 ModelsEngine control unit NSIV A1 ModelsWeapon mount not authorized	785	
TRAINING			CHU, E-CHUMEL update	785	
Armorer training support package	785	59	E-CHU hydraulic manifold NSN	783	
Army training devices catalog released	793	47	E-CHU roller beam parts	783	
TRANSPORTATION			Flatrack ratchet strap replacement NSN	783	
Bradley OCONUS rail transport info	793	02	Maintenance team email address	793	
TRUCK, 1 1/4-TON, HMMWV	,,,	-	MEL update	793	
Accelerator pedal linkage lubing	785	12	Radio installation kit NSN	787	
Accelerator pedar mikage rubing	100	13	Tamaio Installation Rit 11011	,0,	7)

Subject	Issue	/Pg	Subject	Issue	:/Pg
TRUCKS, GENERAL			Coolant, fluids, hub oil	785	03
B-Kit accountability	790	58	EA seat shear pins	790	04
Cargo cover bulk tie-down cord	793		EA troop seats, no storage underneath	793	07
CBRN filter replacement	789		Engine coolant checks	786	06
Jack stand FAQ	783	46	Engine hatch gas springs	790	02
Rust Busters tip of the month, #1	782	14	Engine oil copper levels	792	08
Rust Busters tip of the month #2	783	11	Engine rpms, keep below 2,900	789	05
Rust Busters tip of the month #3	784	11	Hub nut tightening sequence	789	04
Rust Busters tip of the month #4	785	12	M1127, M1131A1GLU switch damage	788	08
Rust Busters tip of the month #5	786	14	M1128 MGSGun tube pitting	782	07
Rust Busters tip of the month #6	787	12	M1129, M1133, M1134EA seatbelt buckle	792	05
Rust Busters tip of the month #7	788	10	M1129E1, M1252Mortar tube inspection	790	06
Rust Busters tip of the month #8	789	12	M1134 ATGMBasic Skills Trainer tips	791	40
Rust Busters tip of the month #9	790	11	M1134 ATGMMITAS BITs	787	42
Rust Busters tip of the month #10	791	10	M1134 ATGMTOW sight door damage	783	08
Rust Busters tip of the month #11	792	10	M1135 NBCRVCBMS, SIM, PMCS	791	35
Rust Busters tip of the month #12	793	10	M1135 NBCRVPM tips	787	44
Wheel lift for mounting tires	785	14	Rear service brake reservoir draining	792	07
Winter storm vehicle preparation	792		Towing procedures	792	06
VEHICLE, FIGHTING, M2/M3 BRADLE	Y		Voltage regulator cable caution	793	08
AFES hydrostatic test interval	793	05	Wheel hub fill plug O-ring	783	07
Ammo box covers vibrate loose	789		Wheel hub fluid contamination	782	09
Idler wheel nuts loosening	791		Wheel hub leaks	782	08
M24291F only repairer allowed	787		Wheel hub seals, wire cutter, exhaust cover	787	04
M242Gun card mandatory	786		VEHICLES, COMBAT		
OCONUS rail transport info	793		LRUs, check for serviceability before turn-in	787	03
Periscope thumbscrew rust	790		VEHICLES, GENERAL		
Transmission oil dipstick gasket	791		CBRN filter replacement	789	1.4
VEHICLE, RECOVERY, M88-SERIES	,,,	٠.	Jack stand FAQ	783	
	784	00	Rust Busters tip of the Month #1	782	
A1Boom pivot pin lubing			Rust Busters tip of the month #2	783	
A2Engine oil check 2 hours after shutdown	782		Rust Busters tip of the month #3	784	
A2Ground hop kit components	792		Rust Busters tip of the month #4	785	
A2Heater exhaust tube check A2Tarp for complete vehicle coverage	792		Rust Busters tip of the month #5	786	
A2Tarp for complete vehicle coverage A2Tow bar inspection, replacement	791		Rust Busters tip of the month #6	787	
Hydraulic wrench PM	782		Rust Busters tip of the month #7	788	
Spare roadwheel rust prevention	785		Rust Busters tip of the month #8	789	
Stow boom to stop hydraulic problems	782		Rust Busters tip of the month #9	790	
Towing app to improve recovery operations	788		Rust Busters tip of the month #10	791	
Towing app to improve recovery operations	793		Rust Busters tip of the month #10	792	
Track end connector, center guide PM	793		Rust Busters tip of the month #12	793	
Winch cable kinking	785		*	175	10
ŭ	103	09	WATER SUPPLY	706	50
VEHICLE, STRYKER	=0.0		Hydration systems	786	50
AC inverter access door, keep closed	782		WELDING		
Alternator troubleshooting	789		Gas cylinder ordering, returns	783	44
Brake chamber exhaust hose, two wrenches	786		WIRE AND EQUIPMENT		
Cargo net NSNs	790	U/	Cable & wire handbook released	790	49



Dear Editor,

M2A1 machine gun barrels continue to be shot off because Soldiers don't have the barrel completely screwed into the barrel extension.

That's not only dangerous, but expensive. It costs more than \$800 to replace a barrel.

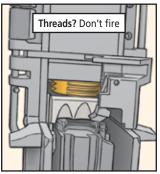
Soldiers get the barrel alignment pin in the barrel support J-slot, but fail to fully screw in the barrel. That leaves space between the barrel and bolt assembly. Disaster follows.

A simple check can prevent that. Before firing, check for barrel threads in front of the barrel extension. If you see threads, the barrel is not fully screwed in. No threads? You're good to fire.

Douglas Wolcott Ft Indiantown Gap, PA

Editor's note: An excellent tip, Doug. Another good check is to charge the M2A1 after closing the cover assembly. If the barrel moves forward and rearward during charging, the barrel is secure.

Since improper barrel installation has been such a big problem, units should review the barrel installation steps before Soldiers fire at the range. It will save replacing an \$800 barrel.





M2/M2A1 Machine Gun...

What Makes Receiver NMC?

THE M2 AND M2A1 TMS COME UP A BIT SHORT ON WHAT MAKES THE RECEIVER NMC.

TO CLEAR THAT UP, NEW CRITERIA ARE BEING ADDED TO THE QUARTERLY PMC5 FOR THE M2'S TM 9-1005-213-23&P AND THE M2A'S TM 9-1005-347-23&P.





TO PO THIS
INSPECTION,
FIRST REMOVE
THE FOLLOWING
COMPONENTS FROM
THE RECEIVER...

- back plate
 - barrel
- barrel extension
- buffer recoil
- bol†
- drive rod spring

1. CHECK TOP PLATE:

OPEN THE FEED TRAY COVER AND TRY TO MOVE THE TOP PLATE BY HAND ONLY.

IF THE TOP PLATE HAS **OBVIOUS**MOVEMENT, THE M2/M2AI NEEDS TO
GO TO SUPPORT, IT'S NMC.

IT'S OK, THOUGH, FOR THE RECEIVER RIVETS TO TURN.

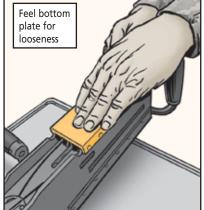


2. CHECK BOTTOM PLATE:

TURN THE RECEIVER OVER ONTO THE TOP PLATE, GRASP THE BOTTOM PLATE AND TRY TO MOVE IT.

IF THE BOTTOM PLATE HAS **OBVIOUS**MOVEMENT, IT NEEDS TO GO TO
SUPPORT, IT'S NMC.

AGAIN, THE RIVETS CAN TURN.



3. CHECK THE TRUNNION:

TURN THE RECEIVER OVER ONTO THE TOP PLATE, WHILE HOLDING THE RECEIVER, GRASP THE BARREL SUPPORT AND TRY TO MOVE IT,

IF THE TRUNNION HAS **OBVIOUS**MOVEMENT, THE M2/M2A IS NMC AND
NEEDS TO GO TO SUPPORT.



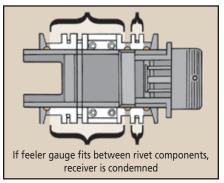
THE INSPECTION RESULTS SHOULD BE RECORDED ON A DA FORM 2028.



SUPPORT SHOULD DO THE FOLLOWING INSPECTION...

USING A 0.010-IN FELER GAGE, NSN 5210-00-221-1999, MEASURE BETWEEN THE RIVETEP COMPONENTS AT THE RIVET HEAD SITE LOCATIONS.

CHECK THE LEFT AND RIGHT-SIDE RIVETS OF THE TOP PLATE, THE LEFT-SIDE RIVETS OF THE BOTTOM PLATE AND THE LEFT AND RIGHT-SIDE RIVETS OF THE TRUNNION AREA.

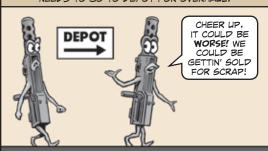


THE BOTTOM PLATE RIGHT-SIDE RIVETS

DON'T NEED TO BE CHECKED WITH THE

CHARGING HANDLE ATTACHED.

IF THE FEELER GALIGE CAN FIT BETWEEN THE RIVETED COMPONENTS AND CONTACT THE RIVET FOR THE ENTIRE LENGTH OF THE INSPECTION AREA (AT EACH RIVET, IN OTHER WORDS), THE RECEIVER IS CONDEMNED AND NEEDS TO GO TO DEPOT FOR OVERHAUL.

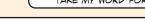




M2/M2A1 Machine Gun...

CAN SPADE GRIP BE LOOSE?

IF MY SPAPE GRIP IS LOOSE, YOU DON'T WANT TO FIRE ME. TAKE MY WORD FOR IT.



Dear Half-Mast, Can the M2/M2A1 spade grip be loose? Item 8 in the PMCS in TM 9-1005-213-10 says the M2 is NMC if the grip is loose. But Item 85 in the PMCS in TM 9-1005-347-23&P says

the M2A1 is NMC if the grip is cracked or missing screws, and doesn't mention looseness. Please clarify.

SGT K.S.

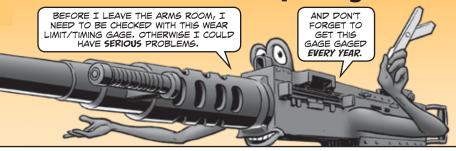


Yes, the M2/M2A1 is NMC if the spade grip is loose. However, if the grip is loose, its screws can be tightened or the grip tube assembly replaced.

The new TM 9-1005-213-23&P, which will cover both the M2 and M2A1, will make this clear in its PMCS.

Half-Mast-

M2A1s Need Headspacing, Too



HE GOOD NEWS IS THAT, UNLIKE THE M2 MACHINE GUN, THE M2A1 DOESN'T NEED TO BE HEADSPACED AND TIMED BY GUNNERS EVERY TIME THEY FIRE. THE NOT-SO-GOOD NEWS IS THAT THE M2A1 STILL NEEDS TO BE HEADSPACED AND TIMED.

AND WITH DIFFERENT GAGES.

FIELD MAINTENANCE SETS THE HEADSPACE AND TIMING FOR EACH M2A1. BUT SMALL ARMS REPAIRMEN SHOULD BE CHECKING THE HEADSPACE AND TIMING BFORE AN M2A1 LEAVES THE ARMS ROOM. AND THEY SHOULD BE DOING IT WITH THE WEAR LIMIT/TIMING GAGE. NSN 5220-01-580-6602, NOT WITH THE OLD M2 HEADSPACE AND TIMING GAGES.

IF THE M2A1 FAILS THE WEAR LIMIT OR TIMING CHECKS, IT NEEDS TO GO BACK TO FIELD MAINTENANCE FOR ADJUSTMENT OF THE HEADSPACE AND TIMING.

THE M2AI GAGE NEEDS TO BE CALIBRATED EVERY 12 MONTHS BY TMDE OR IT'LL GIVE BAD READINGS. IT'S A GOOD IDEA TO HAVE TWO GAGES ON HAND SO YOU CAN STAGGER THEIR CALIBRATION.



CONTROLLED PARTS MUST BE CONTROLLED!

Dear Editor.

Units sometimes don't realize many small arms parts are controlled items.

Support shops are sometimes asked to replace parts like rifle bolts. But we can't replace a bolt unless we have either the damaged bolt to be replaced or a statement from the unit commander that the bolt was lost in the field.

So if a Soldier loses a part from his weapon, he needs to notify his commander so he can prepare a missing part statement. That lets us replace the part.

SSG Sean Small Ft Hood, TX **Editor's note:** A paper trail for a missing small arms part keeps everyone out of trouble.

M150 Sight Lens Covers NSNs?



ALTHOUGH THAT NSN IS TERMINAL, SIR, THERE ARE STILL PLENTY OF COVERS IN STOCK, SO CONTINUE TO ORDER COVERS WITH THAT NSN. ONCE THE SUPPLY IS EXHAUSTED, ORDER COVERS WITH NSN 6650-01-663-1289.

NSN 6650-01-559-3862 FOR THE OBJECTIVE LENS COVER (ITEM 10 IN FIG 2) IS ALSO TERMINAL. ORDER THE REPLACEMENT COVER WITH NSN 6650-01-657-7657.

22) IS THE WITH 577.



...CLET Filter Facts

Dear Editor,

The filters for the Patriot AN/MPQ-65 and -65A radar's cooling liquid electron tube (CLET) are critical. If they can't keep the coolant clean, you get faults in the engagement control station (ECS) and the radar shuts down. If the CLET itself is damaged, you're talking repairs or replacement for a \$3M item.

Normally, the CLET filters are changed semiannually or whenever CLET components are replaced. But when you're operating in the field, you may need to change the filters much more often.

Two important things Patriot units need to remember about the filters: They have an expiration date and if damaged, they are unusable.

The expiration is easy to check. The label on the filter's box shows the "Last allowable date of installation." As long as that date hasn't been reached, the filter's good to go.

Damaged filters are a bigger problem. If a filter's plastic tube is broken, the filter is unusable. And, for some reason, the tube is often broken during shipment. We've had instances where 40 percent of the filters we received were damaged.

Arben Enterprises, Inc.
Chelmsford, MA, USA
Cage Code #OGJ88
Mixed Bed Cartridge
Part Number 18876-11463996 Rec C
Date of Manufacture: 05/16
Last allowable date of installation: 05/18

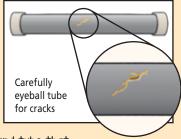
Check expiration date before installing filter

Unfortunately, you can't remove the filter from its box until it's needed. So you don't know until then if the filter's usable.

Units need to order a quantity of the filters and assume some are unusable. After removing a filter from its box, carefully examine its plastic tube for cracks. And before removing old filters make sure you have enough good replacement filters. You can't reinstall the old filters.

There are three CLET filters available:

- NSN 4330-01-232-2061 (PN 11463994)
- NSN 1430-01-228-1363 (PN 11463995)
- NSN 1430-01-227-4809 (PN 11463996)

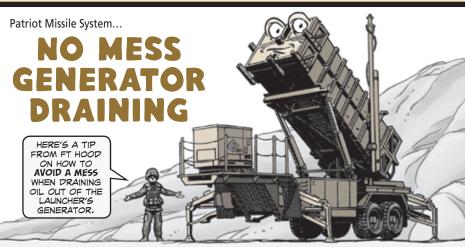


The last NSN is actually a combined filter and tube that repairers stick together. It doesn't have an expiration date and doesn't seem to crack as much. The **tube** comes with NSN 4240-01-308-4400 and the **filter element** with NSN 4330-01-272-2941.

CW2 Jeryme Stahley Ft Hood, TX Editor's note: More good Patriot tips from you, Chief. Thanks.

Here are two other CLET tips: Don't rely on the CLET gauge for tracking its coolant level. It's not always accurate. Use the rod to check for the proper coolant level. Order coolant with NSN 6810-01-229-9828.

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 get a replacement.

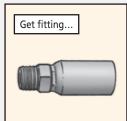


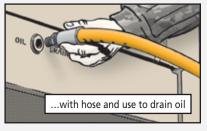
Dear Editor,

It's difficult to drain the oil from the Patriot launcher's 15-kW generator without making a real mess. When you remove the generator's drain plug, the oil goes everywhere.

We took the mess out of that operation by substituting a fitting with a hose.

We remove the drain plug, install the fitting, put the hose in a container and start draining. Once we're finished, we reinstall the drain plug.



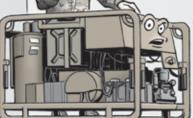


There's probably a fitting in the motor pool that will work. If not, your local big box store has fittings and hoses for a few dollars. It's worth it not to have to mop up an oil mess.

SSG Salvador Morales Ft Hood, TX **Editor's note:** Your suggestion makes maintenance easier. That's always a good thing.

WHAT OILS TO USE IN M26 DECON





PLEASE DON'T MIX UP MY OILS!

THE WATER PUMP'S OIL SHOULD BE CHANGED ANNUALLY WITH PUMP OIL, NSN 1040-01-612-3498.

AFTER DRAINING THE WATER PUMP'S OIL, REFILL IT UNTIL THE OIL IS VISIBLE IN THE MIDDLE OF THE OIL LEVEL SIGHT GLASS. IT SHOULD TAKE ABOUT 2.1 QUARTS.

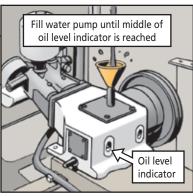
THE ENGINE ITSELF USES 15W40 OIL, NSN 9150-01-421-1427, THE ENGINE OIL SHOULD BE CHANGED EVERY 100 HOURS OF OPERATION OR QUARTERLY, WHICHEVER COMES FIRST.

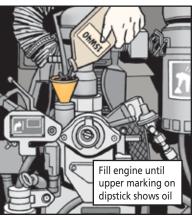
THE EXCEPTION IS IF THE M26 HAS BEEN OPERATING IN ADVERSE CONDITIONS, SUCH AS EXTREME PUST OR EXTENDED OPERATING OR IDLING, THEN THE OIL SHOULD BE CHANGED MORE OFTEN.

BEFORE CHANGING THE ENGINE'S OIL, RUN THE ENGINE FOR A FEW MINUTES TO WARM UP THE OIL.

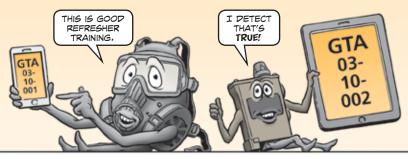
AFTER DRAINING THE OIL, ADD ENGINE OIL UNTIL IT REACHES THE UPPER MARKING ON THE DIPSTICK, IT SHOULD TAKE ABOUT QUART. THE PROCEDURE IS IN TM 3-4230-238-238P (NOV 09, W/CH 1, DEC 12).

THE ENGINE OIL
FILTERS SHOULD
BE CHANGED
WHENEVER
THEY ARE
CONTAMINATED,
CLOGGED, EVERY
300 HOURS OR
SEMI-ANNUALLY.





GRAPHIC AIDS HELP CBRN TRAINING



I wo graphic training aids (GTAs) are available to help your unit stay familiar with their CBRN equipment: GTA 03-10-001, CBRN Individual Protective Equipment, and GTA 03-10-002, Small Unit CBRN Detection Equipment. To download, go to: http://www.train.army.mil/

Click on <u>Sign in to the Central Army Registry (CAR)</u> and sign in with your CAC. Click the Product Type dropdown in the left-hand column. Scroll down and click on <u>GTA-Graphic Training Aid</u>. On the next screen, click <u>Start New Search</u> and type in <u>GTA 03-10-001</u> or <u>GTA 03-10-002</u>. Click Search the CAR.

Don't Let AN/PSS-14s Sit



If you're not using your AN/PSS-14 mine detectors, turn them in. The Army needs them for repair requests and to upgrade them to AN/PSS-14Cs.

Turn in all versions of the AN/PSS-14: AN/PSS-14, -14A and -14B.

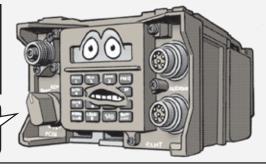
Send them to:

DLA Distribution Tobyhanna W25G1W Gibbs and 5th St. Warehouse 6 Bay 4 Tobyhanna PA 18466-5059 394-1404 RIC B16 Project Code 9HN For complete turn-in instructions, contact Lauren Scicchitano at (443) 394-1404 or email:

lauren.n.scicchitano.civ@mail.mil

TURN IN SINCGARS RF AND SYNTHESIZER CCAS

THE CIRCUIT CARD ASSEMBLIES (CCAS) LISTED IN THE CHART BELOW ARE USED IN SINCGARS RT-1523F AND RT-1523G. THESE CCAS ARE NON-REPAIRABLE.



HOWEVER, IF RADIO MAINTAINERS FIND DEFECTIVE CCAS, THEY SHOULD TURN THEM IN TO THEIR LOCAL SUPPLY SUPPORT ACTIVITY (SSA) FOR FURTHER EVALUATION AND DISPOSITION.

Description	NSN 5998-
RF circuit card assembly	01-455-9639
Synthesizer circuit card assembly	01-455-9650

CAUTION!

ENSURE CCAS
ARE PROPERLY
HANDLED AND
PACKAGED
TO PREVENT
DAMAGE
CAUSED BY
ELECTROSTATIC
DISCHARGE
(ESD).

QUESTIONS?

CONTACT:

JONATHAN FERNG, DSN 648-6293, (443) 395-6293, EMAIL: jonathan.ferng.civ@ mail.mil

OR DAVID YANOSIK, DSN 648-6232, (443) 395-2632, EMAIL: david.w.yanosik.civ@ mail.mil

Publications...

AN/TSQ-232 TM Correction

ALERT! THERE'S AN ERROR IN WP 0027-10 OF THE COEI SECTION OF TM 11-5895-1812-10, DATED OCTOBER 2010.



THE CURRENT INFO READS:
ITEM #33, NSN 6130-01-514-5107 [FBCB2/BFT KIT],
ALH-102802 (318U8) (HMMWV CAB), CONSISTING OF:

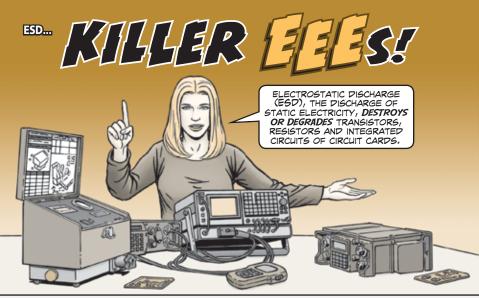
- Switch box assembly, PN A1-36044D-001
- Display unit, NSN 7025-01-526-5612
- FBCB2 CPU, NSN 7021-01-522-1216
- Computer keyboard, NSN 7025-01-496-9879
- MT-2011E BFT antenna

HOWEVER, ITEM #33 AND ALL ASSOCIATED PARTS **AREN'T** PART OF THE COMMAND POST PLATFORM (CPP) SYSTEM. THESE ARE STAND-ALONE ITEMS.

THAT MEANS ITEM #33 SHOULDN'T BE INCLUDED IN THIS TM. BLUE FORCE TRACKER (BFT) EQUIPMENT FALLS UNDER ASSOCIATED SUPPORT ITEMS OF EQUIPMENT (ASIOE).

NOTE: ALTHOUGH ITEM #33 IS CURRENTLY LISTED IN TM 11-5895-1812-10, THAT'S WRONG.
IT'S NOT THE RESPONSIBILITY OF THE UNIT, AND SHOULDN'T BE ATTACHED TO THE UNIT'S HAND RECEIPT.

A FUTURE TM UPDATE WILL INCLUDE MANY MORE EDITS, ALONG WITH THE EDIT/REMOVAL OF SUBJECT ITEM "MT-2011E, ANTENNA, BFT." THIS EQUIPMENT SHOULD BE ASIOE AND NOT PART OF THE COEI.







What Causes ESD?



ESD COMES FROM ELECTRICALLY CHARGED OBJECTS IN YOUR WORK AREA...

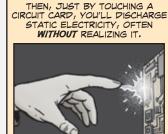
- clothing
- rugs
- chairs
- paper
- ordinary packaging materials
- the work surface itself



YOU BUILD UP **THOUSANDS OF VOLTS** OF STATIC ELECTRICITY BY DOING **SIMPLE** THINGS LIKE WALKING ACROSS THE FLOOR OR COMBING YOUR HAIR.







A SPARK AS LITTLE AS 30 VOLTS RUINS A SENSITIVE ELECTRONIC DEVICE.

YOU MAY NOT FEEL THE DISCHARGE OR SEE THE PAMAGE, BUT YOU CAN BET IT'S HAPPENED. THE CIRCUIT CARD MAY FAIL NOW OR...



Static-safe Workstations

PROTECT YOUR CIRCUIT CARDS FROM ESD.

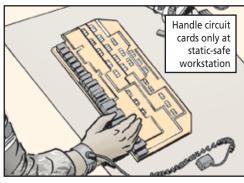
HANDLE THEM ONLY AT A STATIC-SAFE WORK-STATION THAT INCLUDES A GROUNDED STATIC-DISSIPATIVE TABLE MAT, FLOOR MAT AND WRIST STRAP.

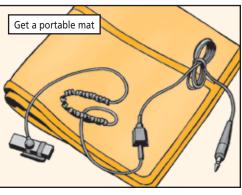
THEY'RE DESIGNED TO LIMIT STATIC BUILDUP AND CARRY ALREADY-EXISTING CHARGES TO GROUND.

HERE'S WHAT'S GENERALLY
AVAILABLE:

NSN 5920-01-250-4236 BRINGS A STATIC DISSIPATIVE TABLE MAT. COMMON POINT GROUND SYSTEM, AND WRIST STRAP FOR USE IN ALL AREAS OTHER THAN CLEAN ROOMS OR LAMINAR FLOW BOOTHS, IT ALSO INCLUDES SMALL/MEDIUM AND LARGE/X-LARGE WRIST CUFFS.

NSN 5920-01-250-4237 GETS
YOU A PORTABLE WORK SURFACE,
COMMON POINT GROUND SYSTEM,
AND WRIST STRAP FOR USE WHERE
OTHER STATIC CONTROL STATIONS
AREN'T AVAILABLE, IT ALSO
INCLUDES SMALL/MEDIUM AND
LARGE/X-LARGE WRIST CUFFS.





NSN 5920-01-253-5368 BRINGS A FIELD SERVICE KIT THAT HAS:

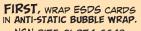
- three pouches,
 MIL-DTL-81997, Type II,
 NSN 8105-01-197-7846,
 12 X 10 INCHES
- three barrier bags, MIL-PRF-81705, Type III, NSN 8105-01-385-6281, 12 x 10 INCHES
- two wrist straps, one grounding cord and a work surface mat*.



*INSTRUCTIONS FOR A SELF-TEST AND HOW TO USE THE KIT ARE PRINTED ON THE WORK-SURFACE MAT.

IF YOU'RE GOING TO PACKAGE ESD-SENSITIVE, OR ESDS, CIRCUIT CARDS, HERE ARE A COUPLE OF WAYS TO PROTECT THEM...

PS 794



NSN 8135-01-234-6649 BRINGS A 500-FT ROLL. YOU'LL NEED TO ORDER IT ON A DD FORM 1348-6 FROM RIC GSA AND PUT "WSN NOT ON AMDF" IN THE REMARKS BLOCK.

THEN MAKE A BAG FROM STATIC SHIELDING BARRIER MATERIAL, NSN 8135-01-185-6816. HEAT SEAL THE BAG WITH A HANDHELD SEALER, NSN 3540-01-456-4286.



IF THE PIECE OF ELECTRONIC EQUIPMENT IS SMALL ENOUGH, PUT IT INTO ONE OF THESE ESD-FREE FLEXIBLE CUSHION POUCHES:

	Pouch size (inches)	NSN 8105-
	8x8	01-215-0462
	10x10	01-197-2966
Į	10x12	01-215-0462
	11x15	01-215-4752
	12x12	01-197-2965

FINISH THE JOB WITH A FAST PACK:



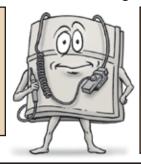
Fast pack (inches)	NSN 8115-	
10x10x3 ¹ / ₂	01-057-1244	
12x18x3 ¹ / ₂	01-019-4084	





Charged Items

THE SLOW
DISCHARGE
PATH OF A
STATIC-SAFE
WORKSTATION
CAN PROTECT
YOUR CIRCUIT
CARD FROM
DISCHARGING
CONDUCTORS
SUCH AS
METAL OR
YOUR BODY.



UNFORTUNATELY,
THEY CAN PO
NOTHING
AGAINST THE
EFFECT OF
COMMON
HIGHLY CHARGED,
NON-CONDUCTING
ITEMS.



CANDY WRAPPERS, FOLDERS, PAPER, FOAM CUPS, CIGARETTE PACKS, PLASTIC AND MASKING TAPE, PLASTICS, VINYL, HEAT GUNS WITH BLOWERS AND COMMON PACKING MATERIALS CAN HAVE A HIGH STATIC CHARGE.



KEEP 'EM AWAY FROM THE WORK SITE.

HERE'S HOW THESE HIGHLY CHARGED ITEMS CAN DIVILIGE CIRCUIT CARDS:

- Direct contact between the circuit card and the charged item triggers a discharge. A sudden flow of electric current rushes from the charged item and through the card's circuitry.
- A circuit card is placed near a charged itema foam cup, for example. The cup could have a static charge of up to 20,000 volts. That charge creates an electrostatic field. If the circuit card lies within the field, it takes on a charge. The damage comes later, when an unsuspecting technician reconnects (grounds) the card. BAM! The card is zapped by the discharge as surely as if it was touched directly by the charged foam cup.

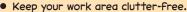




Protected by PM

A FEW
PRECAUTIONS
AND REGULAR
PM AROUND
YOUR
WORKSTATION
WILL KEEP
HIGH-STATIC
ELECTRICITY
UNDER
CONTROL.

ABSORB THE FOLLOWING TIPS:



 Whenever you leave your workstation, protect the circuit board, even if you think you're coming right back.
 Put it in an ESD-free pouch or wrap it in static-shielding barrier material.

If you must have TMs and paperwork at your workstation, store them in anti-static bags. Never use regular tape or ordinary rubber bands to fasten the bags. Tape and rubber hold static electricity.

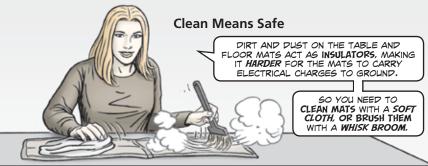


 Magnets, radios and phones create electromagnetic fields, too. Keep them out of your workstation when you're handling ESDS items.



 If you package an ESDS item in stretch wrap or shrink wrap, do it away from your workstation.
 Packaging an item with these materials generates static electricity.







MEVER WAX OR POLISH THE TABLE OR FLOOR MATS!

THAT LEAVES A RESIDUE THAT INSULATES THE MATS.

HERE ARE SOME GROUNDING TIPS...

Grounding

- Connect the table and floor mat grounding cords directly to the shop ground.
- Ground each workstation individually. **Never** connect workstations in a series.







Resistance Checks

GROUND.

FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR MEASURING THE RESISTANCE OF YOUR WORKSTATION COMPONENTS.

THAT'S THE ONLY WAY TO BE SURE YOUR WORK-STATION'S DOING ITS JOB OF CARRYING STATIC CHARGES TO

MEASURE THE MAT'S RESISTANCE WITH A TEST KIT FOR STATIC CONTROL SURFACES, GET THE KIT FROM THE GSA ADVANTAGE WEBSITE: https://www.gsaadvantage.gov/

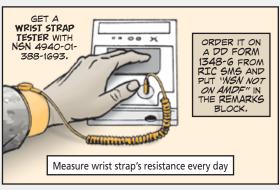


FROM THE HOME PAGE, DO A SEARCH FOR "701C STATIC CONTROL." YOU'LL FIND THE KIT, MATS, GLOVES AND OTHER GROUNDING ITEMS.

MEASURING RESISTANCE IN THE WRIST STRAP IS ESPECIALLY IMPORTANT.

THE STRAP TAKES MORE WEAR AND TEAR THAN ANY OTHER PART OF YOUR WORKSTATION, MEASURE IT AT LEAST DAILY.





THE WRIST STRAP HAS A RESISTOR TO PROTECT YOU **AGAINST** HIGH-VOLTAGE SHOCKS.

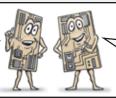
IF THE RESISTANCE IS TOO LOW, THE STRAP CAN'T PROTECT YOU.

TOO MUCH RESISTANCE MEANS THE STRAP CAN'T DRAW STATIC ELECTRICITY AWAY FROM YOUR BODY.

EITHER WAY, YOU'LL NEED TO REPLACE IT.



HAVE YOUR WORKSTATION TESTED FOR RESISTANCE FROM THE SURFACE OF THE TABLE OR FLOOR MATS TO GROUND, THAT TAKES SPECIAL TESTING EQUIPMENT AND SPECIAL SUPPORT.



CONTACT YOUR LOCAL TMDE SUPPORT FOLKS OR A CECOM LAR FOR HELP.

FOR MORE
INFORMATION
ON ESD
PROTECTION,
GET THESE
PUBLICATIONS:

- MIL-HDBK-773A,
- Electrostatic Discharge Protective Packaging (Jun 05)
- MIL-HDBK-263B,
- Electrostatic Discharge Control Handbook (Jul 94)
- MIL-STD-1686C,

Electrostatic Discharge Control Program (Oct 95)

IF YOU CAN'T FIND THESE PUBLICATIONS LOCALLY, THEY'RE AVAILABLE ON THE DEFENSE LOGISTICS AGENCY (DLA) DOCUMENT SERVICES ASSIST QUICK SEARCH WEBSITE: http://quicksearch.dla.mil/gsSearch.aspx

Experts on Call

CAUTION!

ANYONE HANDLING ESDS ITEMS SHOULD BE TRAINED IN PRECAUTIONARY PROCEDURES.

UNTRAINED PERSONNEL SHOULDN'T HANDLE EGDS
ITEMS WHEN THE ITEMS
ARE OUTSIDE THEIR
PROTECTIVE PACKAGING.

IT'S A GOOD IDEA TO CHECK WITH YOUR COMMAND FOR THE NAME OF AN ESD POC. IF YOUR COMMAND **DOESN'T** HAVE ONE, YOUR ELECTRONIC REPAIR SHOP MIGHT.

THEY CAN ADVISE YOU ON THE LATEST ESD METHODS AND EQUIPMENT AND RECOMMEND THE BEST PRODUCTS FOR YOUR NEEDS.



THE LOGISTICS SUPPORT ACTIVITY'S PACKAGING, STORAGE, AND CONTAINER-IZATION CENTER (PSCC) ALSO HAS THE SCOOP ON PACKAGING ESDS ITEMS.

CHECK OUT LOGSAP 746-1, PACKAGING-THE BASICS (JAN 18). TO GET A COPY, GO TO: https://liw.logsa.army.mil/res/ documents/Packaging_The_Basics_ JAN_2018_sml.pdf

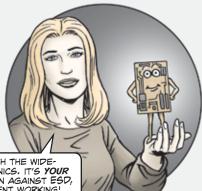
YOU'LL NEED TO LOG IN TO LIW WITH YOUR CAC.

QUESTIONS?

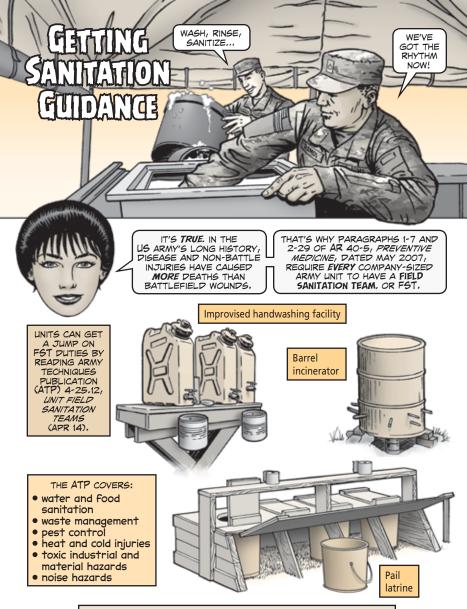
EMAIL PSCC AT:

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

THINK OF ESD AS A TINY VERSION OF *LIGHTNING*. IT'S A **BIG PROBLEM** WITH THE WIDE-SPREAD USE OF ELECTRONICS, IT'S **YOUR** JOB TO ACT AS A GLARDIAN AGAINST ESD, AND KEEP YOUR EQUIPMENT WORKING!







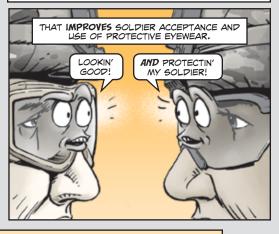
TO VIEW OR POWNLOAD ATP 4-25.12, VISIT: https://armypubs.army.mil/ProductMaps/PubForm/ATP.aspx



PROTECTING YOUR EYES AT ALL TIMES IS IMPORTANT FOR MISSION SUCCESS.



THE AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) ALLOWS PEO SOLDIER TO OFFER MORE CHOICES IN PROTECTIVE EYEWEAR THAN EVER BEFORE.



THE APEL FOR BALLISTIC PROTECTIVE EYEWEAR CAN BE FOUND AT: https://peosoldier.army.mil/equipment/eyewear/

Universal Prescription Lens Carrier (UPLC)

UPLC	NSN 6540-
UPLC Carrier EA/1	01-600-6532
UPLC Carrier PG/10	01-600-6536

HERE ARE
A FEW LISTS
OF MILITARY
COMBAT EYE
PROTECTION
(MCEP).

CHOOSE FROM THESE LISTS OF SPECTACLES AND GOGGLES DEPENDING ON MISSION...



Spectacles		
Item	NSN 4240-	
ESS Crossbow (UPLC)	01-630-8327	
ESS Crosshair (UPLC)	01-630-6352	
ESS Rollbar	01-630-8249	
Honeywell (UVEX) Genesis	01-552-4131	
Honeywell (UVEX) XC	01-516-5361	
Oakley SI Ballistic M Frame 2.0	01-525-3095	
Oakley SI Ballistic M Frame 3.0	01-630-6064	
Revision Exoshield	01-633-9521	
Revision Sawfly (UPLC)	01-607-7512 (SM) 01-527-4051 (RG) 01-527-4018 (LG)	
Revision Stingerhawk (UPLC)	01-630-6503 (RG)	
Smith Optics Aegis (UPLC)	01-630-7853 (SM) 01-630-7992 (RG)	
Wiley X Valor	01-630-7802	
Wiley X Vapor (UPLC)	01-665-0678 (SM) 01-630-7493 (RG) 01-665-0701 (LG)	
Wiley X Talon (UPLC)	01-583-5158	

More choices for goggles or spectacles!



Goggles		
ltem	NSN 4240-	
ESS Influx	01-630-6343	
ESS Land OPS	01-540-5580	
ESS Profile NVG (UPLC)	01-630-7259	
Honeywell (UVEX) XMF (UPLC)	01-630-8058	
Oakley SI Ballistic 1.0 (UPLC)	01-630-6910	
Oakley SI Ballistic 2.0 (UPLC)	01-630-5999	
Revision Bullet Ant	01-630-6281	
Revision Wolfspider (UPLC)	01-630-6906	
Revision Desert Locust (UPLC)	01-592-8619	
Smith Optics Boogie	01-640-9052	
Smith Optics (OTW) (UPLC)	01-641-0158	
Wiley X Nerve	01-630-6743	
Wiley X Spear (UPLC)	01-630-6712	

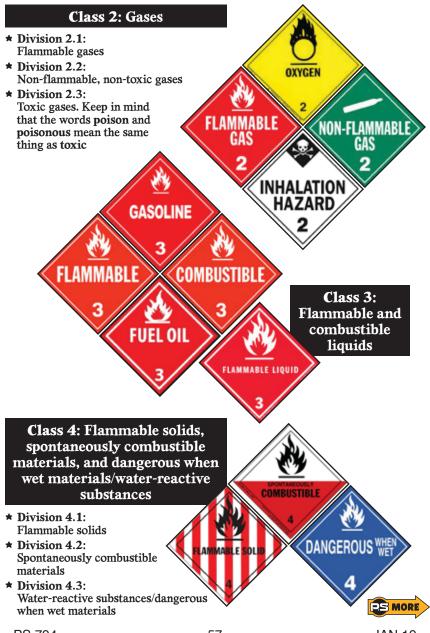
PROPER Placarding and Warning Labels PROTECT PROFICIENCY



THE HAZMAT CLASSIFICATION SYSTEM SPLITS HAZMAT INTO **CLASSES** AND **DIVISIONS.** HAZARDOUS MATERIALS WARNING LABEL AND SHIPPING PLACARDS ARE USED TO WARN OF THE TYPES OF HAZMAT BEING SHIPPED, SO YOU KNOW WHAT HAZARDS TO EXPECT WHEN YOU OPEN A PACKAGE OR SHIPPING CONTAINER.

HERE ARE WHAT THE MOST BASIC WARNING LABELS AND PLACARDS MEAN:

Class 1: Explosives ***** Division 1.1: Explosives with a mass explosion hazard **EXPLOSIVE ★** Division 1.2: Explosives with a projection hazard ***** Division 1.3: Explosives with predominantly a fire hazard ***** Division 1.4: Explosives with no **EXPLOSIVE** significant blast hazard ***** Division 1.5: Very non-sensitive explosives with a mass explosion hazard ***** Division 1.6: Extremely non-sensitive articles





Class 8: Corrosive substances

Class 9: Miscellaneous hazardous materials/products, substances or organisms





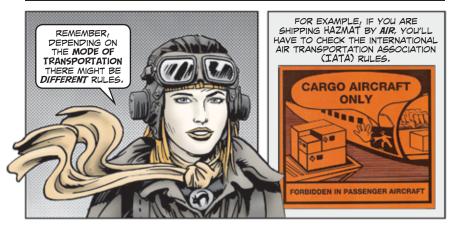


REMEMBER TO CHECK YOUR 49CFR, HAZMAT TRANSPORTATION, FOR THE LATEST RULES AND REGULATIONS. SEE 49CFR, PART 172, SUBPART E FOR COMPLETE LABELING REGULATIONS AND...

...FOR COMPLETE
PLACARDING REGULATIONS
SEE 49CFR, PART 172,
SUBPART F.







IF YOU HAVE QUESTIONS ABOUT SHIPPING OR RECEIVING HAZMAT, EMAIL LOGSA'S PACKAGING STORAGE AND CONTAINERIZATION CENTER: usarmu.tuad.usamc.mbx.itad@mail.mil



MMDF Welcomes the TMC/MCS

THE MAINTENANCE MASTER DATA FILE-OR MMDF-IS AN AMC LOGSA PRODUCT THAT IDENTIFIES ARMY READINESS REPORTABLE EQUIPMENT AND SYSTEMS.



Here are

the LINs

RECENTLY THE TACTICAL MISSION COMMAND/MANELVER CONTROL SYSTEM (TMC/MCS) WAS ADDED TO THE MMDF. THAT MEANS THE LING AND NONS THAT MAKE UP THE TMC/MCS ARE NOW MONTHLY REPORTABLE READINESS ITEMS.

MONTHLY REPORTABLE READINESS ITEMS.				LINS
Item	NSN	LIN	PM MC System	
AN/TYQ-137 v4	7010-01-623-7119	C27963	CPOF M6700	7
AN/TYQ-137A v4	7010-01-642-2349		CPOF M6800	
AN/TYQ-137B v4	7010-01-642-2349		CPOF Dell 5414	
AN/TYQ-155A v4	5895-01-587-6599	C61290	BCCS Server Stack	
AN/TYQ-155B v4	5895-01-591-9665		BCCS Server Stack	
AN/TYQ-155C v4	5895-01-591-9020		BCCS Server Stack	
AN/TYQ-155D v4+	5895-01-595-7160		BCCS Server Stack	
AN/TYQ-155E 4.1	5895-01-619-8708		BCCS Server Stack	
AN/TYQ-155F v5	5895-01-642-6459		BCCS Server Stack	
AN/TYQ-155G v1	5895-01-658-0030		TSI v1 Server Stack	
AN/PYQ-16D	7010-01-620-6775	C18891	SMC M6700	
AN/PYQ-16E	7010-01-641-3481		SMC M6800	
AN/PYQ-16F	7010-01-658-3415		SMC M6800 Single	
AN/PYQ—16G	7010-01-667-0902		SMC Dell 5414	
AN/PYQ-12C	7010-01-614-6042	C18641	MC Gateway Dell XFR E 6420)
AN/PYQ12-D	7010-01-645-1834		MC Gateway Dell M6800	
AN/PYQ-12E	7010-01-667-5414		MC Gateway Dell 5414	

WANT TO SEE THE MMDF FOR YOURSELF? IT'S ONLINE IN THE LOGSA LOGISTICS INFORMATION WAREHOUSE (LIW): https://liw.logsa.army.mil/

YOU'LL HAVE TO REQUEST ACCESS TO LIW THROUGH YOUR SUPERVISOR AND SECURITY MANAGER BY FILLING OUT A SYSTEM ACCESS REQUEST. AFTER LOGGING IN, CLICK ON THE APP WAREHOUSE ICON AND SEARCH FOR LIW RSRCS. THEN CLICK GO TO APPLICATIONS.

NEED HELP WITH THE MMDF? EMAIL: usarmy.redstone.logsa.mbx.mmdf@mail.mil



M1272 Buffalo Generator NSN

Get a new generator for your M1272 Buffalo with NSN 2920-01-425-5604. This NSN replaces the generator only. For the regulator, use NSN 6125-02-422-1841. The pulley comes with NSN 3020-01-568-4497. The complete generator with regulator and pulley is no longer available. See Fig 54 of TM 9-2355-352-23P (Jun 18) for more details.

Diving Equipment, Boats and Motors POC

For questions about logistics support for diving equipment, boats and motors, contact TACOM's Sets, Kits, Outfits, and Tools (SKOT) Group at:

usarmy.detroit.tacom.mbx. ilsc-skot-group-actions@mail.mil

SATCOM Pub Points Way

Army Techniques Publication (ATP) 6-02.54, Techniques for Satellite Communications (Jun 17), helps units plan, establish and operate satellite communications (SATCOM) networks. Get it at the Army Publishing Directorate:

https://armypubs.army.mil
Or the Central Army Registry:
https://atiam.train.army.mil/
catalog/dashboard

AN/PVS-14 MNVD Eyeguard and Eyecup

Page 59 in PS 788 (Jul 18) talked about the importance of replacing missing parts on the AN/PVS-14 monocular night vision device (MNVD) That includes the eyeguard, NSN 6650-01-444-1229. One reader thought the part should have referred to the eyeshield (commonly called eyecup), NSN 5855-01-246-8273, since the article showed a helmet-mounted AN/PVS-14. The eyecup, which is not a component of end item (COEI), is only used with the helmet-mounted version. The eyeguard, which is COEI, is used with the weapon-mounted version. Both parts are essential to maintain light security and prevent detection by the enemy. If either is missing, replace them ASAP.

M1070A1 HET Engine Fan Clutch NSN

Get a new engine clutch fan for your M1070A1 heavy equipment transporter (HET) with NSN 2930-01-668-5049. NSN 2930-01-573-9081, which is shown as Item 1 in Fig 49 of TM 9-2320-427-13&P in IETM EM 0310 (Jan 11), is a terminal item.

GET GROUNDED

Every Soldier should know grounding procedures. Army Training Circular (TC) 6-02.6, *Grounding Techniques for Tactical Equipment and Systems* (Nov 17), covers various grounding techniques, including the Surface Wire Grounding Kit. It can help units set up safe and effective earth grounding systems for tactical equipment, systems and shelters. It replaced TC 11-6 (Mar 89). Find it at the Army Publishing Directorate:

https://armypubs.army.mil

Or the Central Army Registry:

https://atiam.train.army.mil/catalog/dashboard

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



Eyes **front and center** on the **PS website** for all the best in Preventive Maintenance info!

https://www.psmagazine.army.mil