

AR 11-14

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and contingency plans. Combat readiness requires accomplish their assigned missions in accordance combat operational status sufficient for units to both ready personnel and ready material." with the time schedule established in operational "3. Objective. The Army's highest priority peacetime function is to attain and maintain a

pin things down rea ment, the Regulations maintaining Army equip-Who and the Why o When it comes to the

your sergeant and your commander to get the job done. Now, it's up to you.

toward materiel readiness must be such that com-

that the increasing dependency of the Army on manders, soldiers, and civilians at all levels realize 6. Command responsibilities. The attitude

tional military training as prescribed is equal in importance to other funcin AR 350-1.)" (Training in preventive maintenance

proper preventive maintenance services." for or users of equipment will be responsible for "d. Individual responsibilities. Assigned opera-



"18. Principles of maintenance. a. Each commander is responsible for his assigned mainte-

skills, time, repair parts, tools, and test equipment category consistent with the tactical situation, available within allocations. with published maintenance doctrine at the lowest b. Maintenance will be performed in accordance

allocation charts. ever feasible and in accordance with maintenance a. Repairs will be accomplished on site, when-

reported or delivered to the next higher maintenance organization. maintenance capability of an organization will be d. Unserviceable materiel which is beyond the

organization. repairable items to the next higher maintenance whenever possible before evacuation of economical bility of an organization will be accomplished c. All authorized maintenance within the capa-

teriel readiness."

and technical skills are applied to improve ma-

sources is required so that funds, manpower A proper priority application of available rewarrant officers, enlisted personnel, and civilians. teriel in a ready condition. This is an Armywith it the mandatory obligation to maintain malarger quantities of more complex materiel carries

(qualitative as well as quantitative), management,

wide, worldwide problem involving all officers,



of the Army and U.S. Army Materiel Command responsibilities within Hendquarters, Department are assigned in AR 10-5 and AR 10-11." "4. Responsibilities. a. Materiel maintenance

(2) Commanders, including squad, section, and platoon are responsible for-

(a) Insuring that all equipment is in a serviceable and mission-ready condi-See AR 750-10."



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Use of fends for printing of this publica-tion has been approved by Headquarters. Department of the Army, 19 February 1965. quirements submitted on DA Form 12-4 DISTRIBUTION: In accordance with re-

PS wants your draw and contributions, and in that to passed your questions, Name and address are begin to confi-dence, lest write to

PS Magazine. Parl Knox, Ky. Sqt. Half-Mast. 40121



On t'other hand, if the chamber or bore's messed up with gook or carbon buildup, even clean ammo won't have a chance. If the projectile can't get out the muzzle end of the weapon, it'll try to bust out the sides of the barrel.

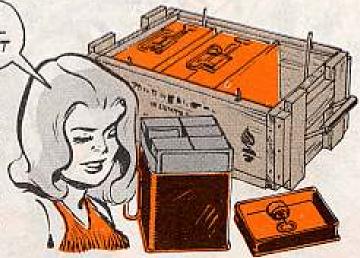
Clean ammo and clean weapons go together like cheesecake and pinups.



Or take the case of dampness. Fire off a cartridge that's been over-exposed to rain, snow, high humidity and the like, and chances are you'll wind up with a dud.

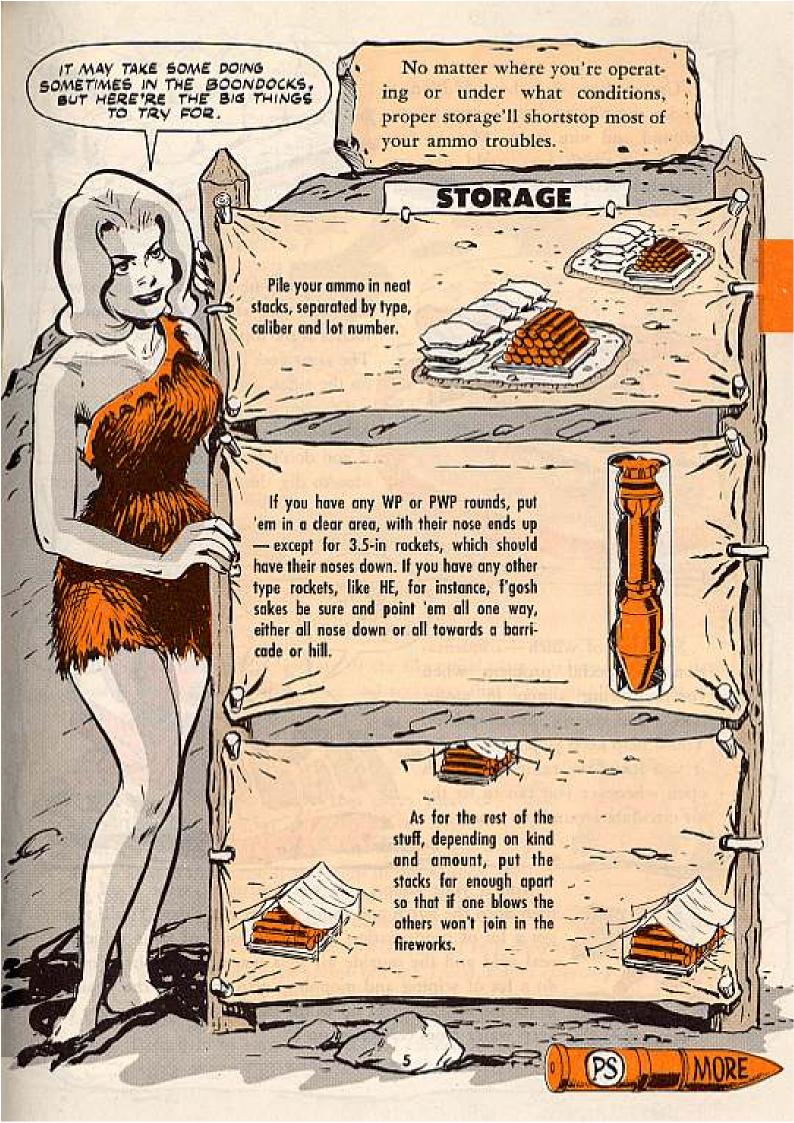
AMMO COMES IN AIR-TIGHT MOISTURE-RESISTANT CONTAINERS-THAT SHOULD BE YOUR CUE THAT IT NEEDS PROTECTING.

And one final sample: Work around ammo with a Joe who's careless about touchy things like primers and fuzes and, brother, could be you've had it! With guys on your side who don't give a darn how they handle ammo, who needs the enemy?



Boil it all down, then, and you get a pretty strong case for good PM — in storage, on the move and in the line.





of cases will keep the air circulating, ground and vice versa. Wood's fine, branches. Strips laid between the tiers but in a pinch you could use tree under the pile to keep ammo off the Use at least 6 inches of dunnage



on the sides. The same goes if you're using sandbags inches at the top and sides for air space. ing over the stack. Allow about 18

if you don't have a choice, it's a good idea to dig ditches to carry the water piece of ground to put your stack, but Of course, you'll look for a high





keep water from collecting on it. to let the ammo warm up to the outside air temperature to do a lot of wiping and mopping; also, open up the vehicle real cold and the outside air gets warm and moist. You'll get a lot of condensation when the inside of your vehicle's then open the hatch and ramp and let it air-dry. You'll also And if your ammo gets wet overnight, wipe it off and



when you go to fire it. —or it could cause serious dents and scratches that'd lead to all kinds of woe Bumping, dropping, tumbling or the like could blast you into space in a flash

or field piece, for instance-remember, the stuff's

exactly as dangerous as you are careless. This goes especially for the big louden-ge-boomer stuff



cases have some of permissible dents and folds. scratched or dented-is automatically N.G. Heck it's OK to use. Matter of fact, a lot of fired artillery no. As long as the round'll seat right in the weapon, ammo that gets dropped or bumped-or slightly O'course, this doesn't mean that every piece of

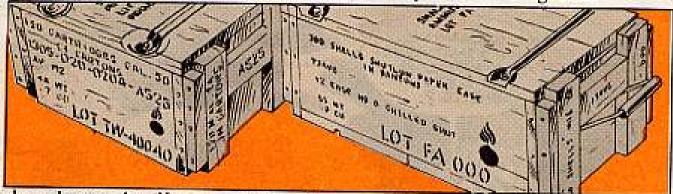
out OK and don't affect the ammo one bit. Good, sound economy, that's all. They're the ones that have been re-worked and re-loaded for re-use. They test

sakes see how badly it's been damaged. If you have any doubts about it, play it smart. Turn it in to support for a final expert decision. But . . . whenever any ammo you're handling gets bumped or dropped, I'gosh-

MORE

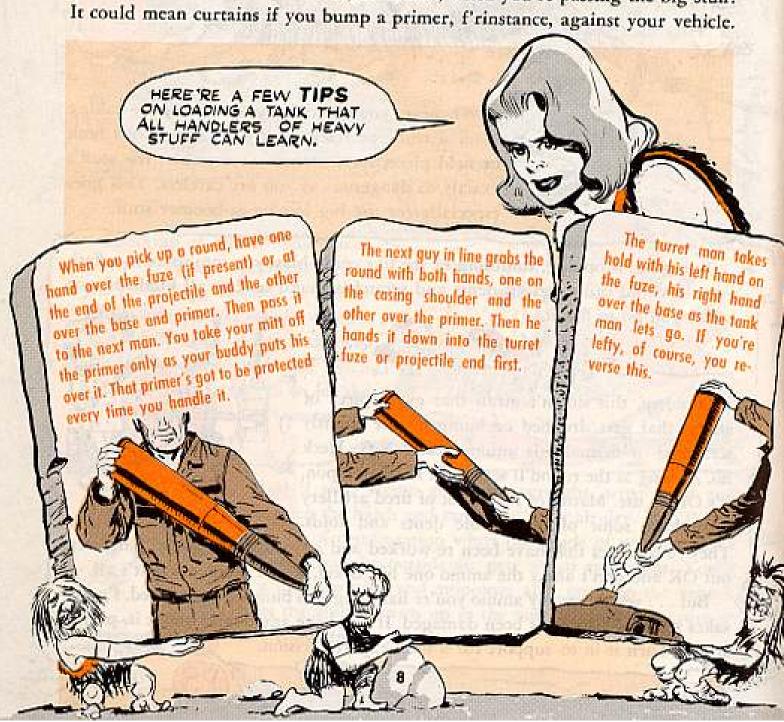


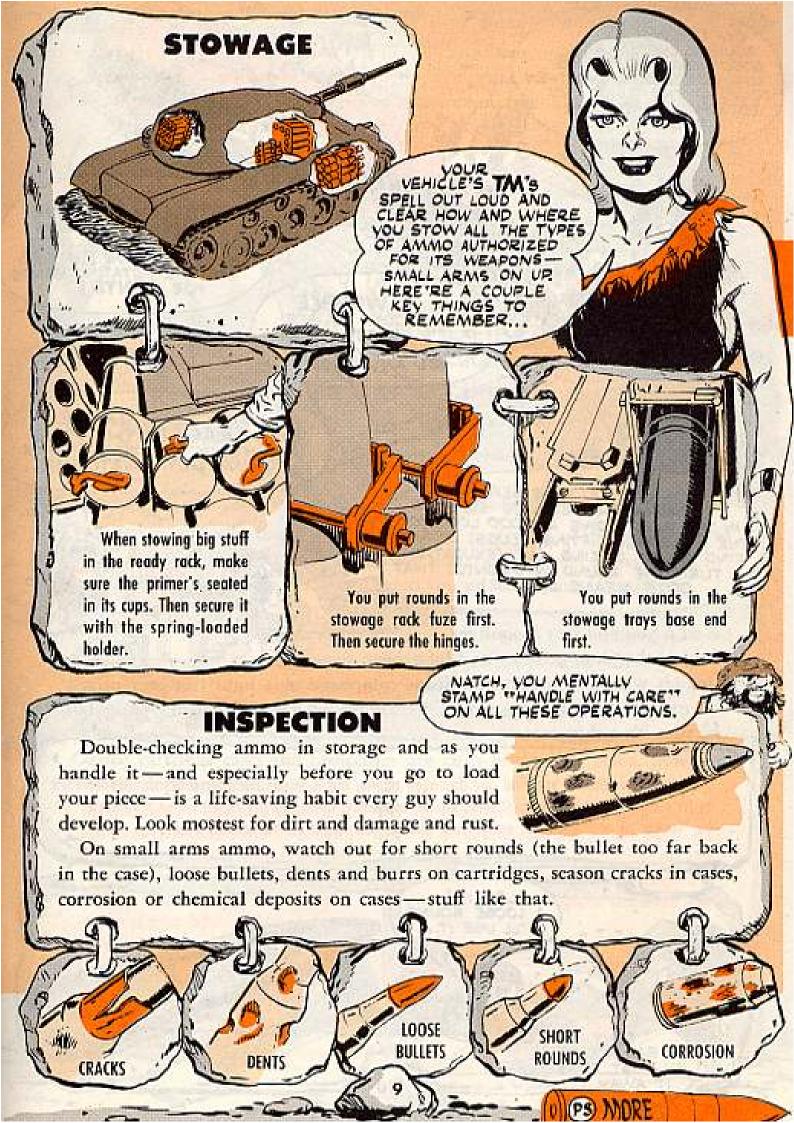
Howsomever, if an ammo box does get busted, fix it soonest - and make sure you get all the markings on the new parts of the box. These markings - and especially the lot numbers on ammo containers - are real important. Without em, you can never be sure what kind of ammo you're handling. And

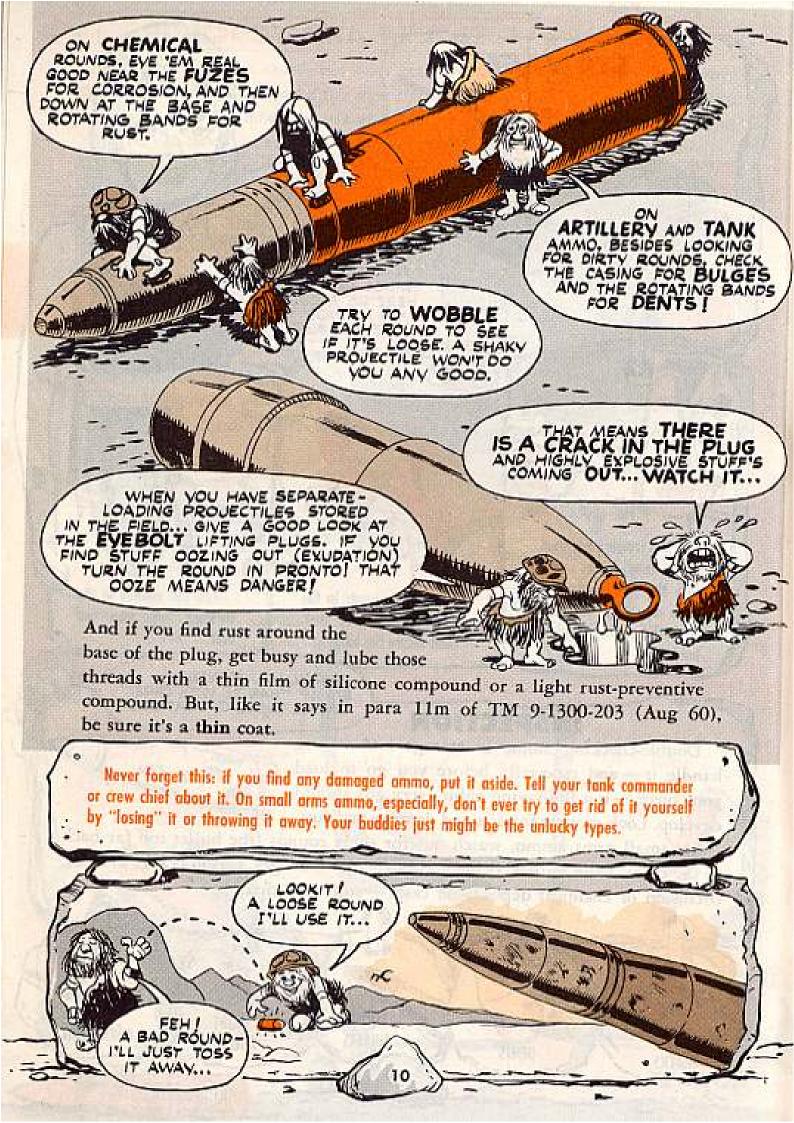


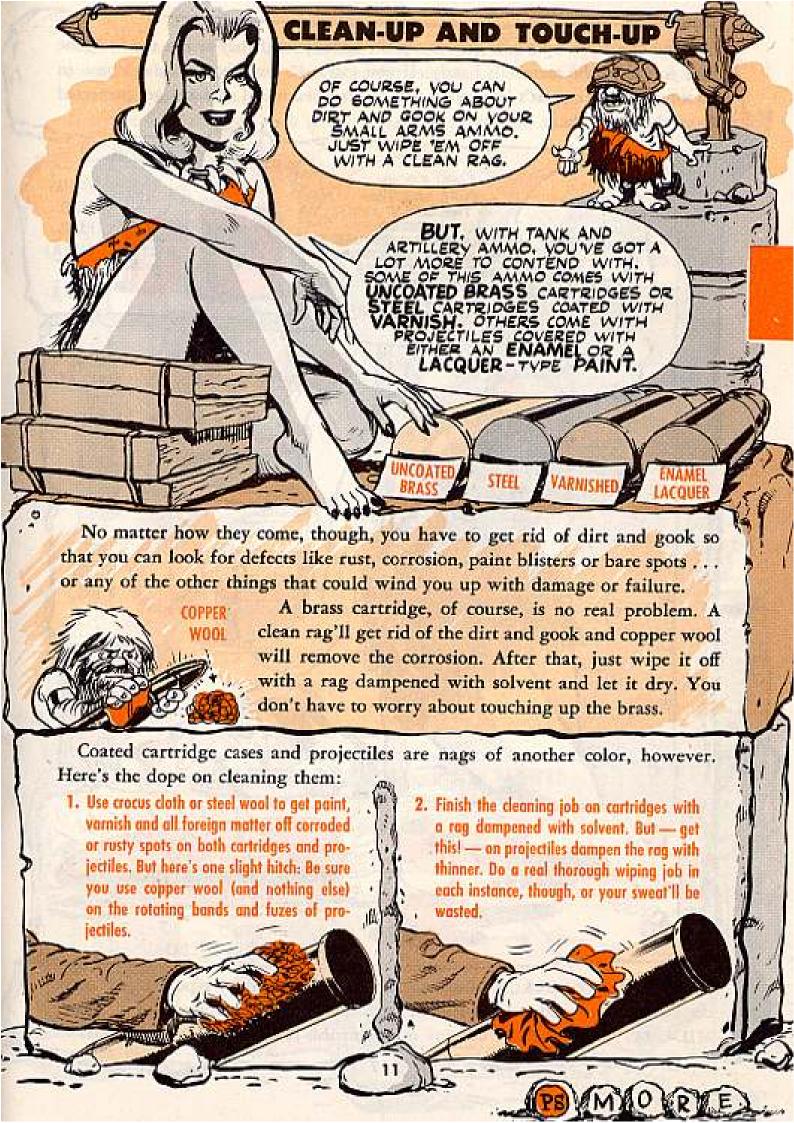
the rules say that if you can't identify ammo, it's automatically Grade 3, which means you don't fire it.

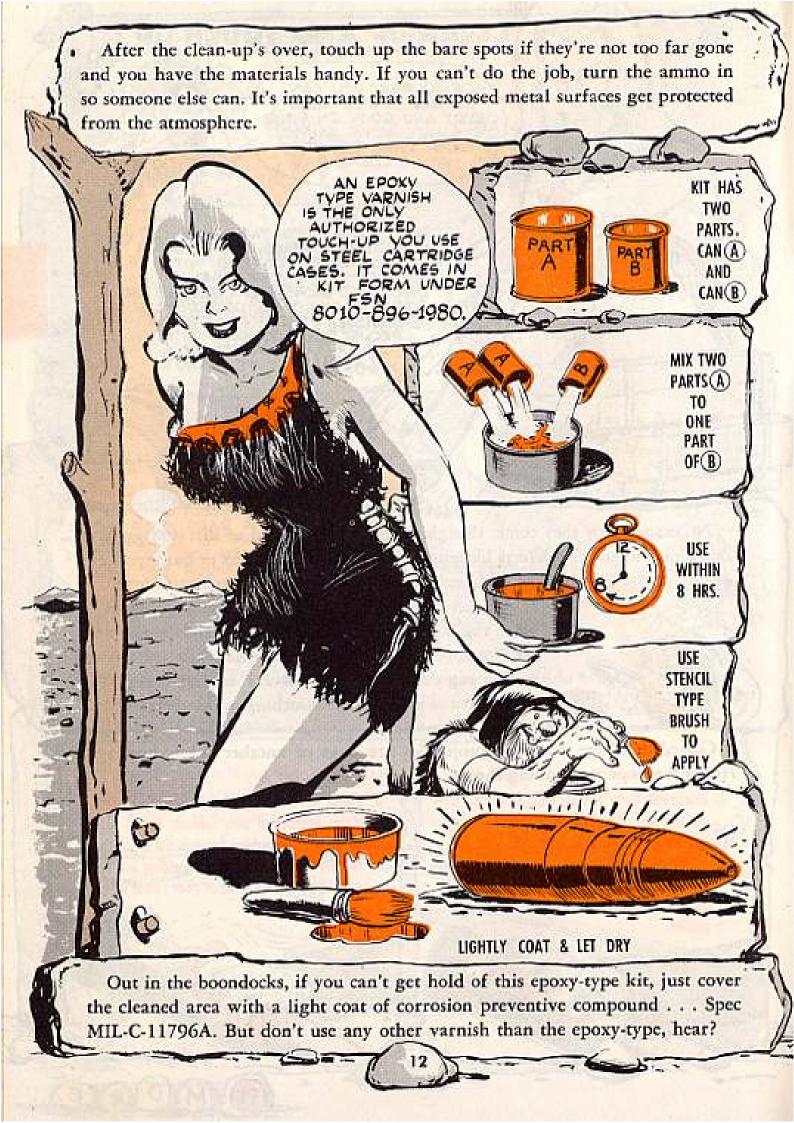
You want to be extra careful, of course, when you're passing the big stuff.











To touch up projectiles, pick the color enamel you need to match the area concerned and follow the directions for mixing, and so on. You can use 'most any brush handy, but one with a chisel point's best. Use short strokes in one direction first, then go back over the area with strokes at right angles to the first. This should give you a smooth, even coat.

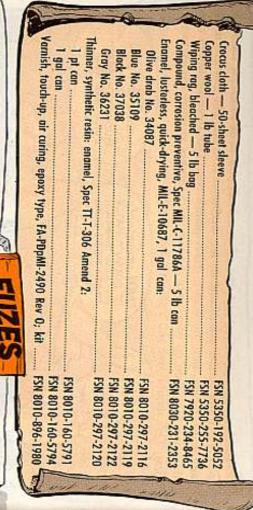


You want to be careful in this touch-up business that you don't get the paint on too thick, especially over the bourrelet of projectiles. This could cause frouble in seating the round in your weapon. And look out for painting over stenciled markings on the rounds. If you do cover a marking, be sure you restore it pronto.

MATERIALS YOU'LL NEED

Here's all the stuff you'll need for cleaning and touching up your ammo.

You'll find 'em listed in the following Federal Supply Catalogs:



WITHOUT MENTIONING FUZES. SMALL ARMS
STUFF DON'T HAVE ANY, BUT TH' BIG STUFF
DOES. YOU'LL FIND DIFFERENT KINDS
OF FUZE ACTIONS ON ALL TH' BIG STUFF,
AND ALL OF 'EM TO BE HANDLED THE SAME
WAY... WITH CARE! THAT'S BECAUSE
THEY'VE GOT HIGH EXPLOSIVES IN 'EM.



NON-DELAY DELAY

Here're a couple things you want to remember about fuzes:

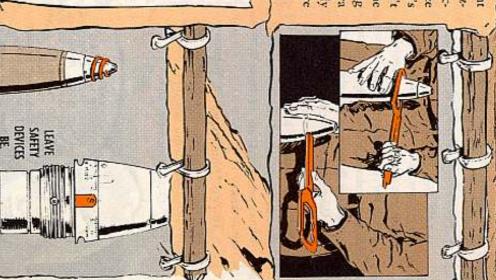
You store 'em just like ammo—protected from the sun and everything else that makes heat, and especially all kinds of moisture.

Keep separately-issued fuzes — the kind that screw into separate-loading projectiles — in their airtight containers till just before you're ready to use 'em. And store these fuzes separately so that if they go off they won't set off all the ammo, too.

Be sure you use the right fuze wrench when you're fuzing separate-loading projectiles, too. Then set the fuze with the fuze setter that's meant for the job. And don't forget to check whether the kind of fuze you're installing needs staking. But be extra careful you don't accidentally bang the fuze while you're staking it.

And remember to set the fuze in the direction of increasing readings. And—if you want to reset or return the fuze to safe, keep turning in the direction of increased readings.

After the ammo's been fuzed, don't pull the safety wire from the fuze till just before shooting away. Then, if something comes up so's you can't fire the round right away, replace the safety wire immediately.



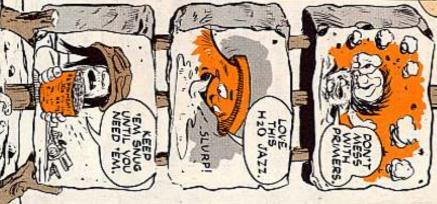
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And, pal, always remember what curiosity did to the cat. Never try to take a fuze apart. Only authorized ammo people can do that.

stuff included. Primers contain sensitive explosives and a charge of black em on all kinds of ammo - small arms mand your mostest respect. You'll find Primers are another thing that de

minute you need 'em or stow them in their moisture-proof containers till the (like with separate-loading stuff) - in arated ammo) or are by themselves case (like in fixed, semi-fixed or sep-Army chow after a long march. Which peeled for corrosion on the primer. means you'd better keep an eternal eye ture the way you gobble up that good Your best defense is to keep all primers -whether they're part of the cartridge This black powder gobbles up mois

special care, remember that. tric-percussion and ignition. All take electric, percussion, combination elec-There're four types of primers-



UTHORIZE ROUNDS



BEFORE 'N' REAL GOOD BARREL CLEAN A word or two are also in order on firing blank ammo in small arms



HANGFIRE, COOK-OF

weapon's TM's, FM's and AR 385-63 (5 Dec 55) have to say on these subjects. be prepared. That's why you want to get thoroughly familiar with what your ammo in top shape and use 'em right. But when trouble brews; you want to You'll rarely be haunted by these weirdo's if you keep your weapon and its A misfire in itself is nothing to get



Trouble is, you just can't tell right off if it's a misfire or a hangfire. And that charge in the ammo. weapon or a defect in the explosive a charge to fire and could be caused by a faulty firing mechanism in the hysterical about, It's simply failure of

may be something to worry about.

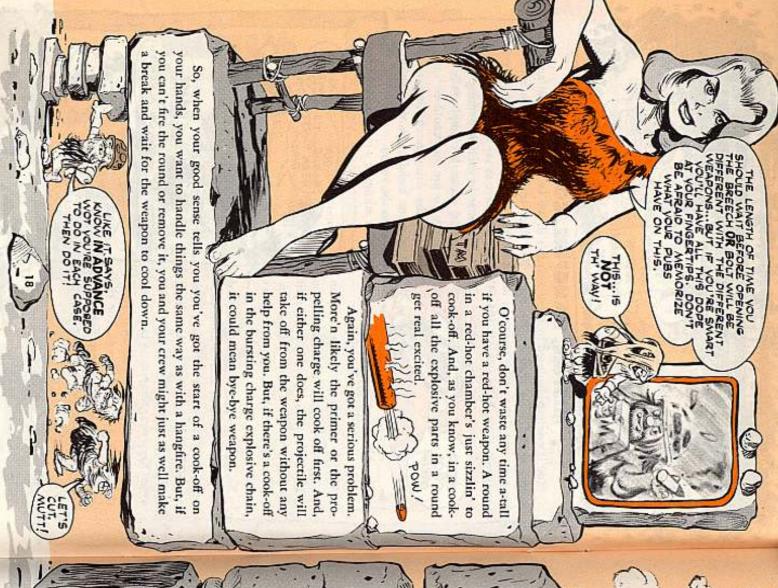
second or maybe a couple of minutes. Like said, trouble is you just don't primer. This delay could be for a split the explosion after the hammer hits the With a hangfire there's a delay in

a spell before opening the breech on arms. Keep your weapon on target and artillery weapons . . . or bolt on smal or press the switch and nothing hapcially, you want plenty of empty space the muzzle and breech ends. For the get your buddies to scram away from to the rear. recoilless rifle or rocket launcher, espepens, keep cool-but think fast. Wait So, if you pull the trigger or lanyard



WAY

MORE





So, if you fire an artillery round or a mortar shell or maybe toss a grenade and don't hear that satisfying "whumph" of ammo hitting home, here's what you do:

Keep your hands to yourself, but put your feet and tongue to work getting the word on the double to your CO. He'll get in touch with the local Ordnance officer—the guy who'll take it from there.

The same rule applies to any old dud you may run across in training areas.

You pull the trigger or the lanyard or press the trigger switch, say, and poof! the round goes off as it leaves the muzzle. You've got a premature burst, or a short round, maybe. A malfunction for sure.

Ammo accidents shouldn't happen, but they might. And when they do, you want to be ready to come up with the right answers.



That's why you'll be smart to get yourself and your crew familiar with AR 700-1300-8, which has all the scoop on how to report malfunctions involving ammo and explosives, including the missile stuff.

You won't have to fill out any forms, but you'll dish out the dope that goes into the report. The more facts you tell the man who comes around, the better your chance of avoiding the same ammo trouble in the future.

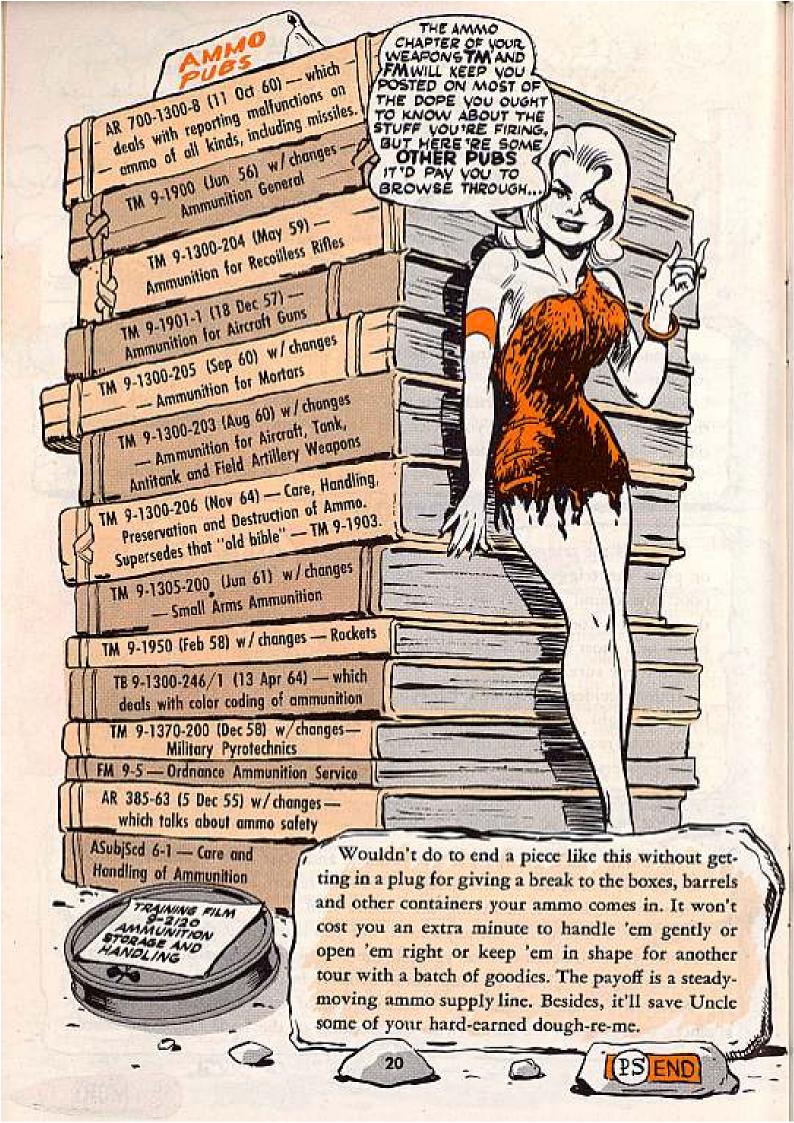
Naturally, when you run into a malfunction or accident, your CO or range officer will suspend the ammo with the backing of the local Ordnance officer

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ROTATION - M14-WISE



A lot of M14's are still complaining about battered ribs . . . so it looks like some guys need reminding not to rotate the trigger guard more than 90 degrees when removing the firing mechanism.

The trick is to pull straight out and then up on the trigger guard, not straight up. And stop the arc short of 90 degrees—before you feel any metalto-metal contact between the cocking stud on the guard and the bottom of



the hammer.

Because, if you go over the 90-degree mark and then try to take out the housing, you can beat up the ribs or keyways on the side of the firing mechanism housing. This'll guarantee a tougher job next time you go to remove the housing.

'Course, it's all spelled out in para 48d and Fig 30 of TM 9-1005-223-12 (8 Feb 65). Why not take a look-see?



Say, hey there, Armorer, ol' buddy, what do you mean by "bi-weekly"—
every two weeks? . . . twice a week? . . . twice a month?

Don't blush. Even Webster's kinda vague on this one.

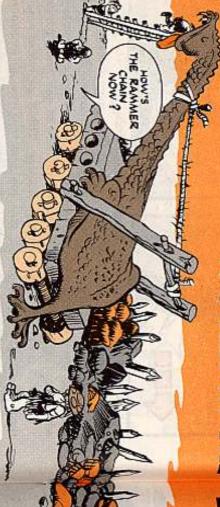
But for the sake of your M14 and M14E2 rifles, you'd better get your meaning in line with what the new TM 9-1005-223-12 (Feb 65) means in your PM checks and services schedule—which is: every two weeks . . . fortnightly, like Gramps used to say . . . or just plain every 14 days.

Yup, your schedule's been changed from weekly to bi-weekly, which means at least every two weeks under normal operating conditions, but oftener when you're operating in weather or climate that's real tough on your weapons.

IT'S ALL IN THE TIME

TEMPORARY TRUC

WHEN YOU'R



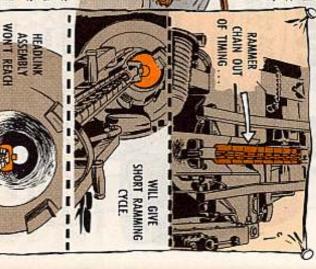
Yep, in weaponry—like in wooing and sports and 'most everything—timing's extra important.

A rammer chain that's out of timing on your M107 or M110 self-propelled signs, f'rinstance, can foul you up but good when the chips're down—or when that inspector drops by.



It'll give you a short ramming cycle
—which means in a firing situation
that power operation won't extend the
chain far enough to seat the projectile in
your 175-mm or 8-incher's tube. In an
inspection deal, it means power operation won't let the headlink assembly
reach the rifling in the tube.

Either one could be more than slightly embarrassing. So, have a seat and absorb the causes and cures for this untimely situation.



HOW IT CAN HAPPEN

All things being equal, you'll only have timing sequence trouble in the rammer chain if somebody fouls up the manual operation—the operation, incidentally, that's your insurance in case of hydraulic failure.

The moment that anybody sticks a handcrank in the righthand side of the rammer chain drive sprocket shaft, the crank will automatically disengage the chain sprocket from its drive train. And every time this happens, you have to doublecheck to make sure you get correct timing of the entire drive train and chain sprocket.

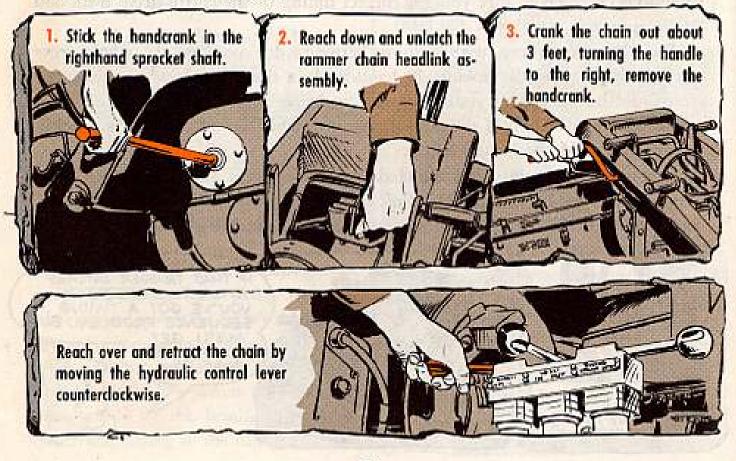
Joe Blow over there, with nothing better to do, could do the whole crew dirt by absent-mindedly poking the handcrank in that right hand opening. Or, you could be the culprit yourself—just by being a mite careless when you're checking the operation of the manual rammer while doing your daily, weekly or quarterly PM checks and services.

Right, you just might run the chain out with power and then retract it by hand. Then, just because the headlink trigger latches OK at the end of this run, you might get the idea that everything's peachy-dory. N-e-g-a-t-i-v-e !!!





OK, now supposing you're not sure whether your timing's good or bad. Here's the way to make sure:

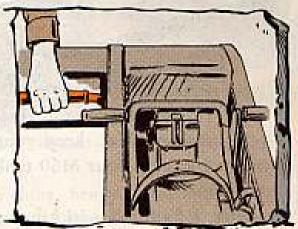




THIS OPERATION SHOULD NOT ALLOW THE HEADLINK TRIGGER TO LATCH... SO, IF THE TRIGGER DOESN'T LATCH THEN YOU KNOW YOUR TIMING SEQUENCE

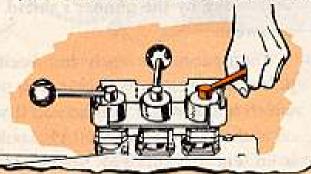
In this case, you can go ahead and complete the cycle by re-inserting the crank in the righthand sprocket opening and turning the handle to the left till the trigger does latch.

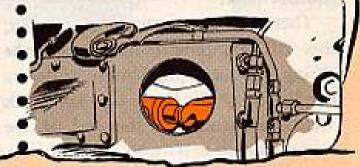
But, if the trigger latches while you're operating the hydraulic lever, then you know the timing sequence is off and needs adjusting.





You retract the hydraulic lever and keep it retracted till the piston rod down below there stops moving. You can watch it move by looking in the rammer case. When this happens, ... your rammer chain timing sequence will be perfect. Remove and stow handcrank.





That's it. Now you're back in business.



F'goshsakes, Mac, keep your big fat foot off that M73's flash hider when you're climbing your M60 tank's turret. You wanta put the machine gun out of action?

Sure, a flash hider sticking out like so makes a tempting step. But if you use it for one, man, your heavy foot's gonna bend the barrel jacket inside the turret.

This in turn will cause the firing pin to strike the ammo's primer on the side 'stead of dead center. And this—as you ought to know—could eventually wind you up with a misfire or worse.

So, whenever you gotta get to the top of the turret, use the main gun or the hand rail as a step.

HANDLE IT THIS WAY

There's hardly anything more useless than a tool that won't do the job it's supposed to.

Take the spanner wrench, FSN 1015-894-9583, that comes with the M86 105-mm gun in your M60A1 tank as a f'rinstance. It works fine in removing the firing plunger insert collar from the breech ring when the gun's mounted in the M60 tank. But the gunner's guard gets in the way of the wrench handle when you're working in the M60A1 tank.

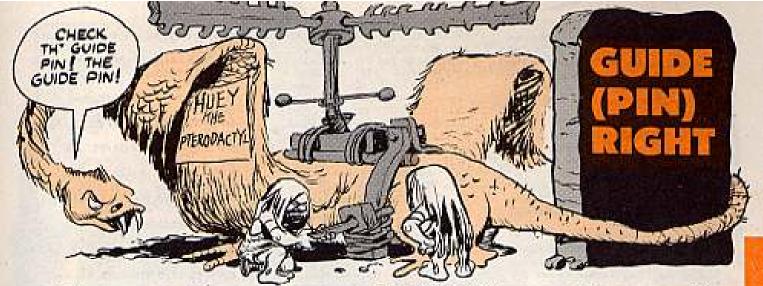
There's an easy way out of your fix, tho. All you have to do is take the spring pin out of the handle, slide the handle out of the sleeve and then tack weld the handle to the end of the wrench.

With this kind of setup, the handle



will swing by the gunner's shield with no sweat.

The spanner wrench has been replaced by Wrench, FSN 4933-740-0447, which has a longer handle and'll work on both the M60 and M60A1. Look for it in Fig B-9 of TM 9-2350-215-10 (Feb 65).



OK . . . so you've got the latest quad M60C 7.62-mm machine guns with your helicopter-mounted M6 subsystem.

You know you do 'cause each shooter has a short, heavy, reinforced cable attached to the firing solenoid, which is also new. It's round.

Trouble is, the guide pin in the receptacle mount on some weapons has wound up in the wrong place.

In order to put the right tension on the new, shorter cable, the guide pin has to be in a certain position when it slides into the guidance slot on the cable connector. And that spot is in toward the gun support.



It's easy enough to put the guide pin in the right place. All you have to do is remove the four screws that hold the receptacle in the bracket . . . turn the receptacle until the guide pin is where you want it . . . and then put back the four screws.

The earlier M60's have a much longer cable so the location of the guide pin's not so important.

A selected list of recent publications of interest to Organizational Maintenance Personnel, This is a list compiled from recent Adjutant General's Distribution Center Bulletins. For complete details see DA Pare 310-4 with Jolest changes.

TECHNICAL MANUALS

TM 1-CH37-S, Mor, CH-37 TM 1-QH-23C-6, Mor, OH-23.

TM 1-OH23-5, Mar. OH-23.

TM 1-UH1-S, Mar, UH-1. TM 3-1040-219-20P, Mar, Service Unit, Flame Thrower, Truck-Mounted, MAA2. TM 5-2410-209-20P, Mar. Tractor, DED, Allie-Chalmers Model HD16M. TM 5-3431-215-15, Apr. Welding Mothise, Arc, Libby Welding Co. Inc. LES. 300: TM 5-3431-216-15, Mar, Welding Machine, Arc. Hamischleger WMG 300 B. TM 5-4310-218-20P, Feb, Nike-Ajox, Nike-Herc, Corporal Air Compressors, TM 5-4310-247-15, Apr. Comp. Ro-tory, DED, 250 CFM, 100 PSI Joy RPV 250 DC20MSI. TM 5-4930-206-25P, Mor. Lubricating and Servicing Unit: Gray 251.437, TM 5-6115-328-25P, Feb, Gen GED 2-KW, DC, 15-V; Eagle Engr CE228. TM 9-1015-234-12, Mar. How, Light, Towed: 105-MM, M102. TM 9-1430-250-12P/1/1, Mar. Nike-Herc, Nike-Herc (Imp), Mal Operation & Moint. TM 9-1410-250-12P/1/1, Mar, Nike-Herc, Ground Con Equip. TM 9-1430-376-12P/1, Apr. Fershing. Ground Holig Spi & Svc Equip. TM 9-1430-377-12P/1, Mar. Pershing. Ground Holg Spt & Svc Equip. TM 9-1430-501-12/2, Mar. Howk. Ground Con Equip. TM 9-1440-250-20/1, Mor, Nike-Herc, Nike-Herc (Imp), Ground Helly, Spt & See Equip. TM 9-2320-216-20P, Cl, Mor. M151 W-ton Truck. TM 9-2350-215-20, Feb. M60, M60A1 Tank. TM 9-4935-253-15P/1/2, Apr. Nike-Herc, Nike-Herc (Imp) Test Equip. TM 9-4935-380-12P/1, Apr. Pershing TM 9-4935-381-12P/2, Mar, Fershing, Test Equip. TM 9-4940-252-15P/1/1, Mar, Nike-Ajox, Nikn-Herc, Nike-Herc (Imp) Test Equip. TM 9-4940-252-15P/1/2, Feb, Nike-Ajox, Mike-Hers, Nike-Hers (Impl. Test Equip. TM 10-500-51, Apr. Airdrop of Supplies and Equipment Eigging 318-MM Rocket System. TM 10-3930-231-23P, Mar, Truck, Ulli, Fork, Army MHE 184 Clark C408-1615158-100. Clark C408-1615159-144. TM 10-3930-234-25P, Mar, Truck, Lill, Fork, Army MHE-188, Baker FJF-040. TM 10-3930-237-20P, Mar, Truck, Lill, fork, Army MHE-192, Clark C208-1632032-100; Clark C208-1632033-127. TM 11-5803-257-20P, Apr. Telegraph erminal, AN/TCC-4, -20. TM-11-5820-204-ESC, Mar, Radio Terminol Set, AN/MRC-69(V).

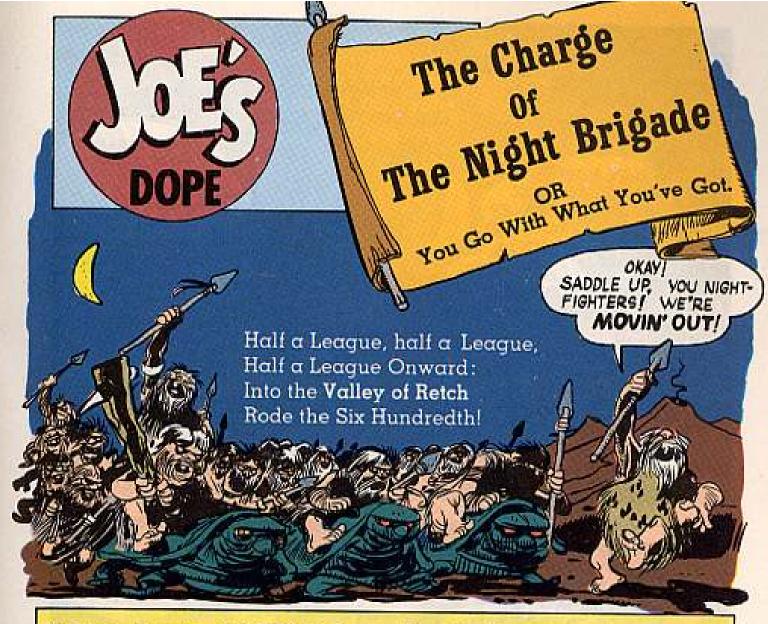
TM 11-5820-474-20P, Ap., Bodio Set AN/GRC-109. TM 11-5826-224-15, Mor. CV-28, OV-18, OV-1C, U-80, U-8F, RU-80. TM 11-5895-203-ESC, Feb, Telegroph Terminal, AN/MSC-29 TM 11-5935-212-15P, Apr. Connec-tors. Plug. Elect, U-185B/G and U-185A/G. TM 11-6625-467-12, Mar, Test Set. TS-2061/ARC-54. TM 11-6625-601-12, Mar, Maintenonce Kil, MK-733/ARC-54. TM 55-601, Mor. Troop Movement Cuide. TM 55-1100-204-15-1, Apr. UH-1. TM 55-1100-204-15-3, Apr. CV-2. TM 55-1100-204-15-5, Apr. CH-34. TM 55-1100-204-15-6, Apr. OH-13. Installations of Rommer Salenoid TM 55-1100-204-15-8, Apr. U-1, TM 55-1100-250-12-1, Apr. CH-37. TM 55-1400-300-10-6, Mar. 5GT, Ground Holly Spr & See Equip. TM 55-1510-204-10CL, Feb. OV-1. TM 55-1510-204-20 PMD, Mar, OV-1. TM 55-1510-204-20 PMI, Mar, OV-1. TM 55-1510-204-20 PMP, Mar, OV-1. TM 55-1520-201-20, C4, Apr., UH-19. TM 55-1520-201-20P, Mor., UH-19. TM 55-1520-202-ESC, Apr. CH-34. TM 55-1520-202-20PMI, Mar. CH-34. TM 55-1520-202-20 PMP, Mar. CH-34. TM 55-1520-203-20P, Cl. Mar, CH-37. TM 55-1520-206-10, Feb. OH-23. TM 55-1520-206-10CL, Feb, OH-23. TM 55-1520-210-20, C2, Apr. UH-1. TM 55-1905-203-12P, C2, Mor. TM 55-2320-211-10-2, Apr. Trans. portobility: Truck, Cargo, 5 Ton, 6x6, M55 and M55A2 TM 55-5930-200-24P, Mer. 1-CA-1. TECHNICAL BULLETINS

TB AVN 7, C4, Mor, Painting and Marking Aircraft. TB 9-1100-300-12/1, Apr, Wpns Syslem, OP/CRC Moint, Sgt. JB 9-1410-250-12/1/5, Mar, Nike-Herc, Ammo (Other than Alamic Wpns), Ground Hdlg Spt & Svc Equip. TB 55-1500-200-20/4, May, UH-1. TB 55-1510-200-20/12, Apr, CV-1. TB 55-1510-206-30/1, Apr, CV-2. TB 55-1510-206-34/18, Apr, CV-2.

MODIFICATION WORK ORDERS MWO 9-1190-233-20/1, Apr. Wpns System, OP/ORG Moint, Pershing, MWO 9-2350-217-20/3, Apr. How Med. Self-Propelled; 155-MM, M109; Installationss of Rommer Salenoid" Plunger Guard. MWO 55-1510-202-34/97, C2, Apr. MWO 53-1510-202-50/1, C1, Apr. MWO 55-1510-204-34/17, C2, Apr. MWO 55-1510-704-34/49, Apr. CVV-1 MWO 55-1510-204-34/53, Apr. MWO 35-1510-206-34/4, C1, Apr. MWO 55-1510-206-34/29, Apr. CV-2. MWO 55-1510-206-34/30, CI, Apr. MWO 55-1510-206-34/56, Apr. CV-2.

MWO 55-1510-206-34/57, C1, Mor. CM. 2 MWO 55-1510-206-34/66, Apr. CV-2. MWO 55-1520-201-34/2, C2, Apr. UH-19. MWO 55-1520-201-34/7, Apr. UH-19. MWO 55-1520-204-34/20, C2, Apr. OH-12 MWO 55-1520-204-34/32, Apr. OH-13. MWO 55-1520-205-34/11, Apr. CH-21 MWO 55-1520-206-34/17, CI, Apr. OH-23. MWO 55-1520-209-20/32, Apr. CH-47 MWO 55-1520-209-34/89, Apr. CH-47 MWO 55-1520-210-20/2, Cl. Apr. 100-1 MWO 55-1520-210-20/5, Cl. Apr. UH-1. MWO 55-1520-210-20/6, Apr. UH-1. MWO 55-1520-211-34/10, Cl. Apr. UH-1 MWO 35-1520-211-20/17, Apr. UH-1 MWO 55-1520-211-20/14, C1, Apr. MWO 55-1520-211-34/21, Cl. Apr. Mary 1 MWO 55-1520-211-34/23, Apr. MWO 55-1610-201-30/2, CI, Apr. MWO 55-2800-2000-30/1, Apr. UH-1 MWO 55-2800-200-30/2, C1, Apr. UH-1. OV-1 MWO 55-2810-207-34/1, Apr. OH-23. MISCELLANEOUS

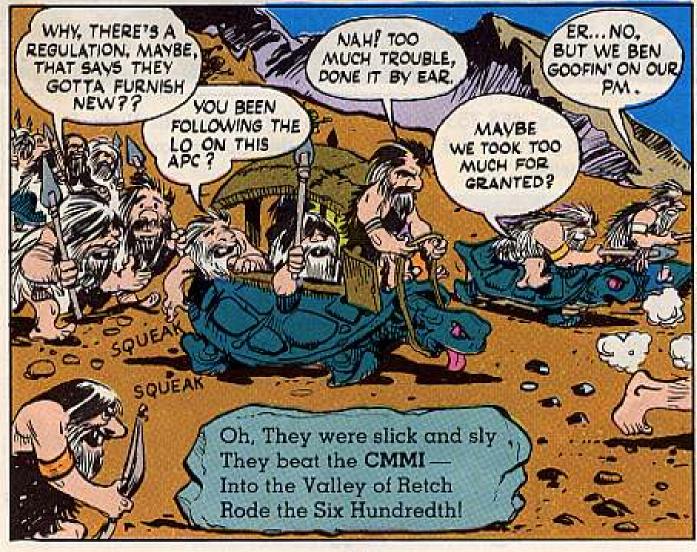
LO 5-3431-215-15, Mar. Welding Machine, Are: Libby Welding Co., Inc., UEB-300. LO 9-1055-202-10, Mar, Honest John, Ground Hdlg, Spt & Svc Equip. LO 9-1430-502-12, Apr. Howk. Ground Con Equip. LO 9-2320-222-12, C1, Mar, M88 Recovery Vehicle. LO 10-3930-255-20, Apr. Truck, Lill, Fork, 2,000 Lbs Cap, Baker FTD-020-EE, Army MHE 197. LO 10-3930-256-20, Apr. Truck, Lill, Fork, Electric, 6,000 Lbs Cop, Boker FTD-060-EE, Army MHE 198, C 2610-IL-A, Apr. FSC Class 2610 Tires and Tubes, Pneu, Except Acts. SC 1305/30-IL, Mar, FSC Group 13 Ammunition and Explosives; Class 1305 Ammunition, Through 1330. SC 1340/98-IL, Mar. 15C Group 13 Ammunition and Explosives; Class 1340 Through 1398 SC 4935-95-CL-A53, Mar, Tool Sel, Ord Rocket Support Units 762-MM (4935-034-8471). SC 5815-IL-1, Mar, FSC Group 58 Communication Equipment. SC 5815-IL-2, Mor, FSC Group 58 Communication Equipment, SC 5820-IL-1, Mar, FSC Group 58 Communication Equipment. SC 5820-1L-2, Mar, FSC Group 58 Communication Equipment. SC 5840-IL-1, Mor, PSC Group 58 Communication Equipment, SC 5840-IL-2, Mar, FSC Group 58 Communication Equipment.



At 0400, Monday, 458,753 B. C. . . . The Six Hundredth Night Brigade moved out of garrison and headed down the glacier toward the fertile Retch valley below. . . .





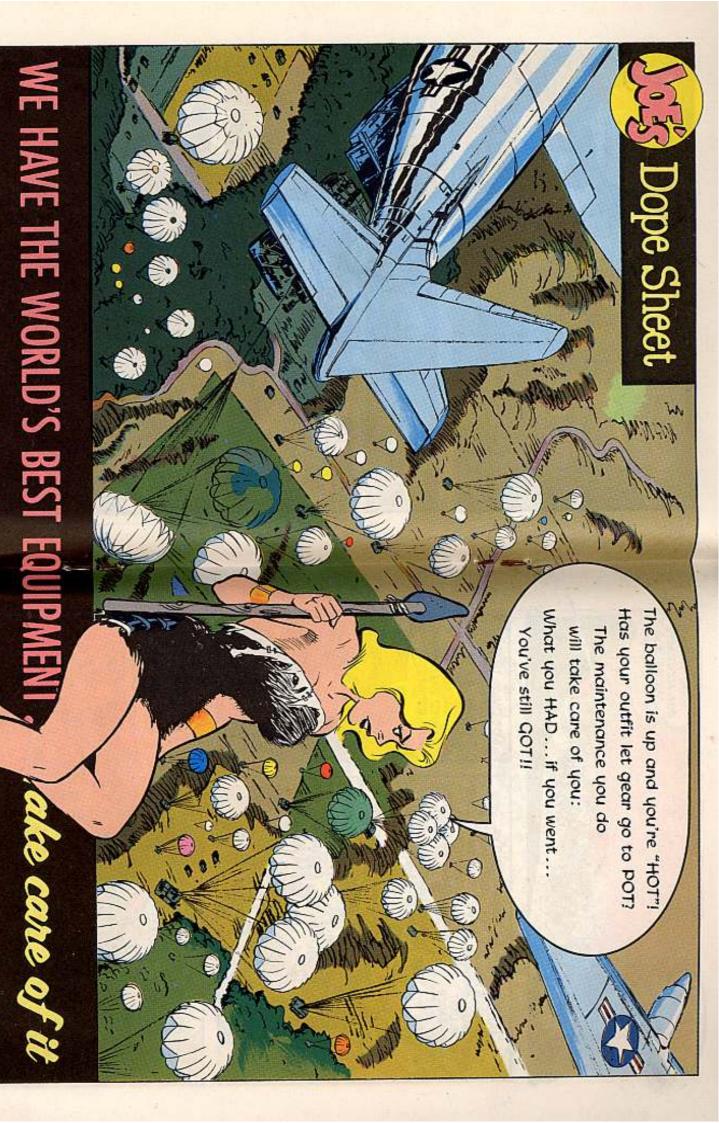








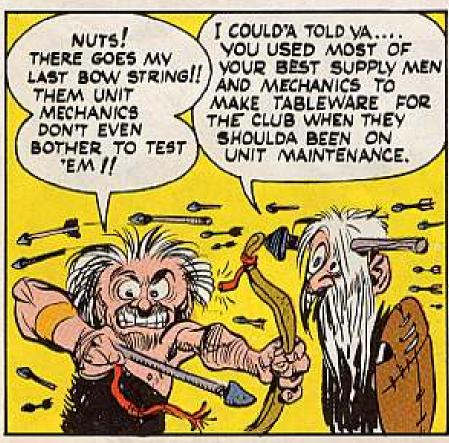




IF YOU WANT TO DISPLAY THIS CENTERPIECE ON YOUR BULLETIN BOARD, OPE

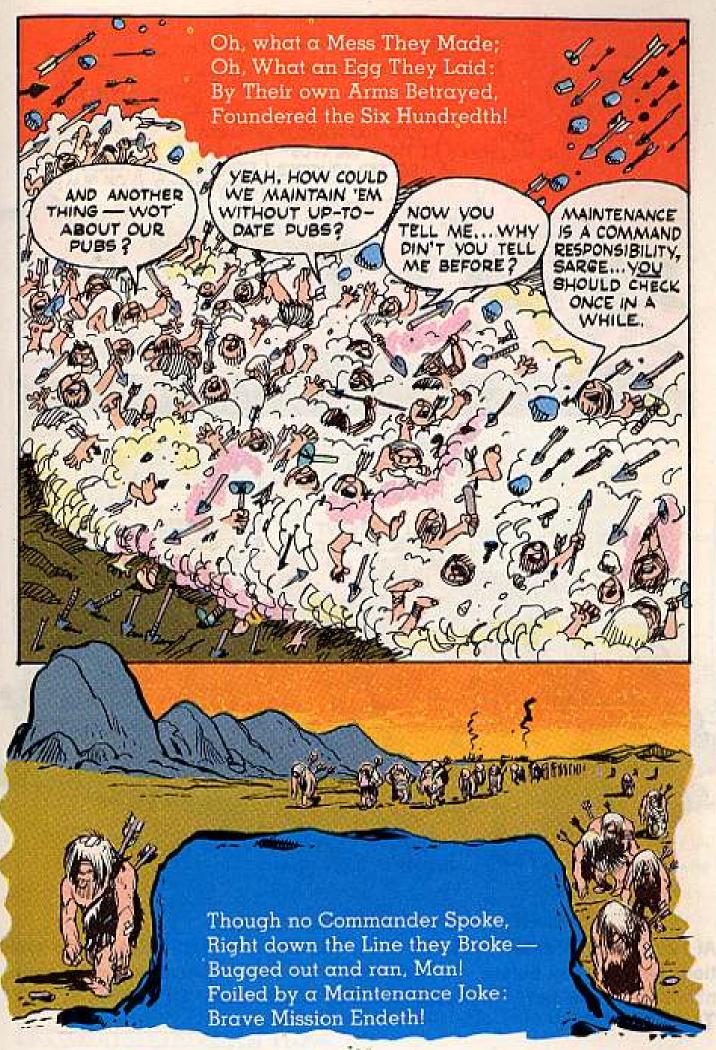
OUT AND PIN IT UP.















At 1200 hours, Monday, 458,753 B. C., The Six Hundredth retreated to positions held the day before . . . they never returned — because their maintenance know-how never improved and they could never "GO-WITH-WHAT-THEY'VE-GOT."



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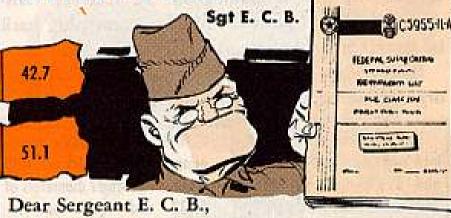
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Could you give me the FSN's for crystals in Crystal Set CK-6/PRC-6, FSN 5955-667-4557?

We need some of the crystals to complete the kit, but we can't find the FSN's in our pubs. Otherwise, our AN/PRC-6 radio sets are going to be short a frequency or two.



Yes indeedy. You'll find the individual crystals in Federal Supply Catalog C5955-IL-A (1 Sep 64), and Change Bulletin 2 (C5955-IL-A-CB2) dated 1 June 65.

The crystals are part of Crystal Unit CR-52A/U, and you'll find them on pages 74, 76 and 77 of the FSC catalog. They're listed by FSN and frequency.

You can get the lowest frequency crystal (42.7mc), f'rinstance, as listed on page 76 under FSN 5955-892-3259, 42700 kc.

You can tell what frequency crystal you need by eyeballing the chart (Fig 12) on page 15 of TM 11-296. o for well me immese Hall-Mast

BLOW, BLOWER MOTOR, BLOW



The breezes of Spring are long gone, so it's important to have the blower motor working on your AN/VRC-24 and AN/TRC-68 radio sets. Right?

That being the case, you have good reason to be blowin' your top when the blower quits right in the middle of a long transmit . . . or thereabouts.

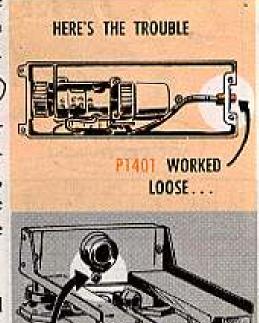


So, put that axe down and do not clobber your set, fren'. Help is here. Like, it isn't gremlins robbing your blower of power. Nine times out of ten, the blower will quit because vibration worked the plug (P1401) loose from the jack (J1702) on the mount.

There're a coupla' cures - like so:

If you're out in the boondocks, reach down and tighten the mount clamps on the receiver-transmitter. It should push the blower motor plug back in contact with the mount jack.

Then, when you get back to the ranch, have your organizational mechanic do like this:





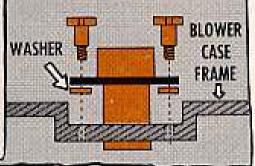
Then, get two washers measuring 3/32-inch thick . . . with inside and outside diameters of 5/32- and 11/32-inch, respectively.

(Ah, ha! You guessed it! The screws are 3/32-inch longer than those they replace, to allow for the washer.)

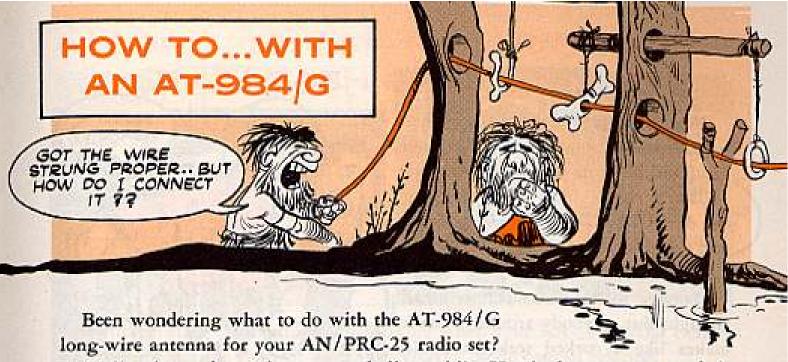
Now, remove the two screws that bracket the P1401 plug to the blower case.

FROM 11702

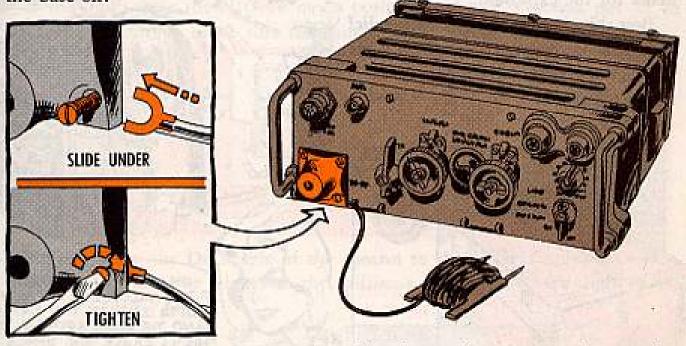
Place the washers against the blower case, and screw the P1401 back in place through the washers.



Slide the P1401 into the J1702, and you've got it made. Providin' you've snugged the mount clamps properly, vibration shouldn't bother the connection. The fix should hold you until an MWO or such comes along.



Well, relax and exercise your eyeballs a while. Here's the way you work it: File down the spade lug of the AT-984 antenna wire and cut an opening in the lug so's it can slide under the antenna base of the Perk-25 without taking the base off.



Then, extend the antenna wire in the direction you're gonna send or receive. Keep the wire about four feet above ground and secure it to bushes, trees or whatever with nylon cords.

Remove the AT-271A whip antenna from the radio set antenna support (AB-591), and unscrew the base until the antenna wire spade lug can slide under it. Retighten the base.

For maximum range, use the antenna to send to, or receive from, a set with the same type horizontally polarized antenna as the AT-984.

Meanwhile, if you haven't already seen it, grab an eyeful of pages 9 and 10, TB SIG 363-4 (Aug 64) for other interesting info on the AT-984.

Coverage of the antenna will be included at a later date in TM 11-5820-398-10.

HIGH-FLYING HEADACHE

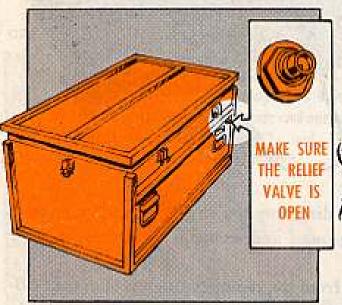
Never thought the day'd come when a radar trainer would make like a hot head and blow its top under pressure.

That's right...if you're shipping the AN/ULT-T2, 3, 4 or 5 by aircraft, and the relief valve on the transit case's closed...KABOOOOM!

Damage to the radar trainer's bad enough. But, anybody around when it makes like a corked teakettle could wind up a case for the medics.

Changes in pressure outside the transit case and inside the equipment make for the explosion.

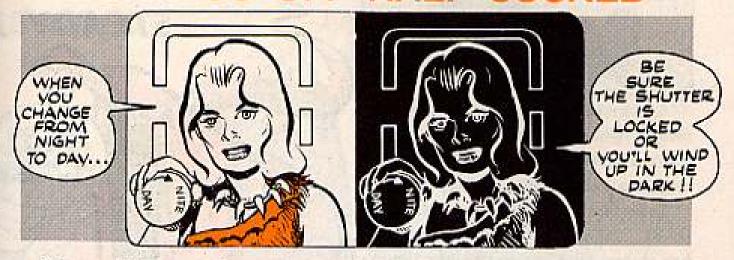
Best thing's to make sure that relief valve has been opened by turning the knob on the side of training case fully counterclockwise.



Like it says in TB Sig 363-1 (Oct 64) on page 67, an automatic valve's being worked up to replace the manual one. Meanwhile, better check to see if that valve's open before the radar trainer's sent up and away.



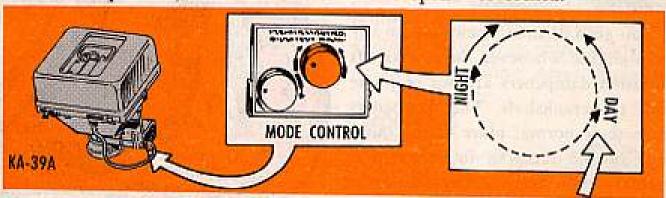
DON'T GO OFF HALF COCKED



Shutter shifting can shatter picture taking when your KA-39A aerial camera goes kaput from the twist of the DAY-NIGHT mode control selector.

Sure, shifting the shutter selector knob's the thing to do—depending on whether it's day or night. But, there's a f'rinstance you oughta keep in your noggin'.

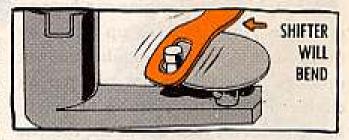
If the shutter's in the NIGHT mode position and you're gonna put 'er in DAY mode position, make sure the shutter is open—or cocked.

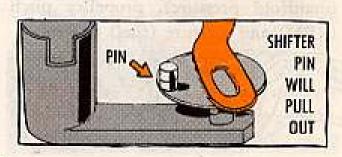


Shifting from the DAY side of the control to the NIGHT side's no sweat. Whether it's cocked or triggered, the shifting's the same. It's the night-to-day shift that's a dirty bird.

When the selector's set in the NIGHT position, and the shutter's triggered, the firing cycle's only half completed. With the parts inside the shutter and lens assembly still in a strain, shifting to DAY mode'll bend the A621 day-night mode shifter. The shifter pin'll pull out of its hole in the shutter.

Then, the next time you're ready for taking pictures, your camera's shutter won't wink at you—or anything.







echo-all the way to the depot. melody when it's run by the book. But if it gets out of tune the sour notes will An aircraft engine hums a pretty

their overhaul time. ing caused them to fold up long before has shown that counterweight detun-(U-8). Teardown of several engines Take the O-480 in the Seminole



condition is easily recognized as temporary "engine roughness." counterweight and shuttle around the edge of the races in the crankshaft with the crankshaft. The dampeners recip engine whenever the crankshaft races in a not-so-gentle manner. This leave their normal place at the outer vibration dampeners are out of phase You get a detuning condition on any

upstairs. Whether or not you put an the ground, as well as to a pilot cruising to a crew chief cranking up a bird on (RPM) and mixture (fuel) controls. (manifold pressure), propeller pitch ing depends on your use of the throttle engine through the tortures of detun-A rough-running engine can happen

> jerk the throttle open or closed when 1510-201-10 (21 Feb 62) says not to

Chap 2, Sect II, Para 2-45 of TM 55





STEADY

THOSE ENGINE CONTROLS

case the pilot docsn't move the prop speed is stabilized by proper setting of control to low pitch (full increase Para 2-89 of the operator's pub. In this tionship between RPM and manifold the throttle. This makes for a good rela-RPM) on the final approach until his

control is also mighty important in 'Course proper use of the mixture

> RICH position during normal running. tune. The control is always in the FULL order to keep your engine humming in

SOP stops the flow of fuel to the engine ders fill with air to cushion decelerawhile the open throttle lets the cylinand then the mixture is chopped. This the throttle is retarded slowly to idle During normal engine shut-down,



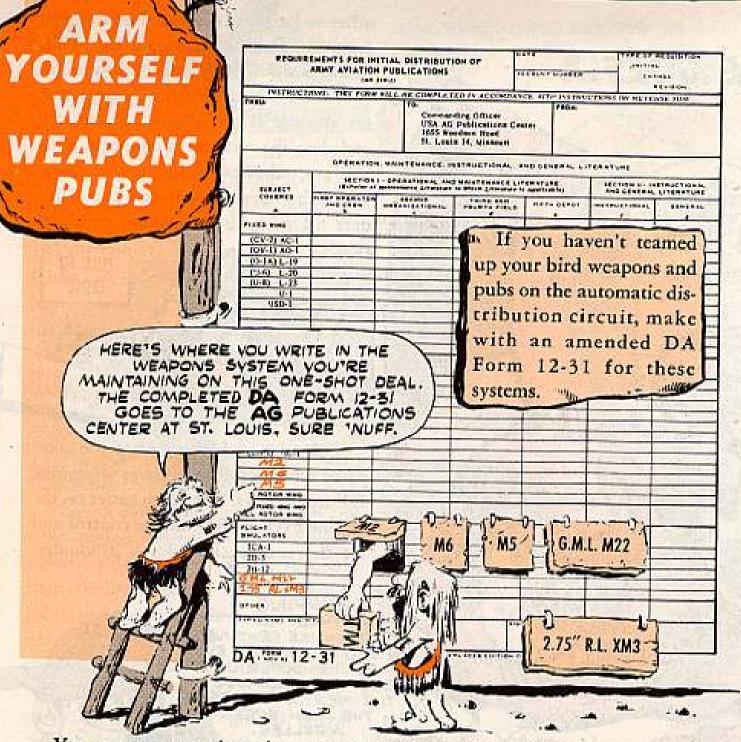
failure upstairs. 'Tis much easier on the place when a pilot simulates an engine engine to chop the mixture control and let the engine slow down gradually. This same cushioning principle takes



pub, your bird will sing a happy tune controls with firm, gradual pressure. -all the way to its normal TBO. When you do, and you set the controls up a bird remember to move the engine by the power charts in the operator's So-o-o-o . . . the next time you crank

bination, either. These conditions can RPM and a low manifold pressure comcourse you don't want to use a high RPM and high manifold pressure. Of you're running up the engine at high

detune the engine for real!



You support guys in units maintaining these weapons have to get your maintenance and parts manuals the same way. . . . Send in a DA Form 12-31 with the write-in entries for the weapons you support.

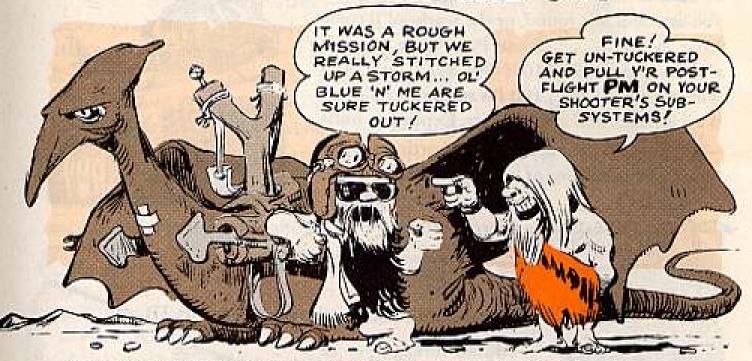
QUICKER THAN STENCILS

It's a heckuva lot quicker than cutting stencils and easier on the eyes to use plastic embossing tape as instrument identification stickers.

It's also handy to use as labels where you have semi-permanent type entries on wall charts.

The embossing machine is available from GSA by looking under FSC Group 74. The stickers FSN's are listed by color under Tape, Embossing, in Federal Supply Class 7510 of the GSA Stores Stock Catalog (Dec 64).

FIREPOWER IN THE SKY



Sky troops're blazing history today with all kinds of airborne weapons—machine guns, grenade launchers, rockets, missiles . . . and tomorrow's an even hotter day!

Here're some quick flashes on the main ones, with PM pointers, pubs and other poop you MOS 427's, crew chiefs and mechanics might find handy. Keep tuned to PS for more dope on these subsystems . . . and the ones coming up.



Modified 7.62-mm machine guns on OH-13 Sioux and OH-23 Ravens

KEY PM POINTS: Ammo Boxes — they snuggle tight between the mount's frame members, so don't bang 'em up or you'll have a bunch of misfits on your hands . . . Valves — put tape over the openings to keep dirt and dust out of the charger system whenever you remove the hose.

Pubs:

TM 9-1005-247-12 (8 Jan 64) w/Ch 1 (1 Sep 64)
TM 9-1005-247-ESC (3 Feb 65)
LO 9-1005-247-12 (24 Apr 64)
TB 55-1520-204-10/1 (12 Jul 62)
MWO 55-1520-211-20/6 (10 Jun 63) w/Ch 1

Pair of 24-tube pods, one on each side of a UH-1B Iroquois

key PM POINTS: Warhead assembly — be sure to remove the gasket and shim before you assemble the round, or the warhead'll come loose in flight . . . Shear Pin — use the soft aluminum type (FSN 1055-994-8932) only. Any wire with more than 100 lbs strength could get the launcher and people hurt. Explosive bolts — f'goshsakes, be sure and put shorting caps on 'em when installing or removing the launcher.



Pubs:

TM 9-1055-217-20 (Apr 64) w/Ch 1 (28 Sep 64) TM 9-1055-217-12P (Apr 64)

M5 (40-MM GRENADE LAUNCHER)

M75 launcher turret-mounted on the nose of a UH-1H

KEY PM POINTS: Ammo linkage — be sure you get the links on the ammo right. Get 'em on backwards and you've got a feed stopage — or worse! . . . Launcher — no "but's" about it, it's got to be field-stripped, cleaned and lubed after every firing like the LO says, or you're inviting trouble.

Pubs:

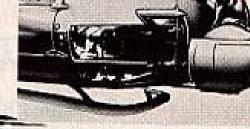
TM 9-1010-207-12 (28 Jan 65)

TM 9-1010-207-ESC (18 Feb 65)

TM 55-1520-211-10 (29 Jul 64) w/Ch 3 (2 Mar 65)

LO 9-1010-207-12 (1 Dec 64)

MWO 55-1520-211-20/4 (7 Nov 64)



S XM14 (50-CAL)

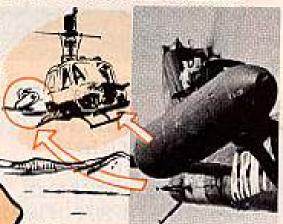
Two bomb-like pods, one on each side of a UH-1B or OV-1 Mohawk

KEY PM POINTS: Ammo boxes — worth a mint to Uncle and your mission, so handle 'em right . . . Pod — inside must be real clean, and watch out for airline leaks . . . AN-M3-50 Gun — Head-spacing and timing have got to be A-1 on this baby.

Pubs:

POMM 1005-253-24

POMM 1510-204-10 (available only with issued aircraft).





Two 7.62-mm machine guns on each side of a UH-1B

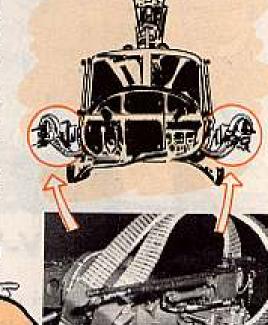
KEY PM POINTS: Buffer — a real brat unless you keep it clean and dry on the inside, always . . . Bolt assembly — it'll work longer if you keep up with stoning and dressing chipped lugs and keep moving parts lightly lubed . . . Ammo boxes — keep everybody's big feet off 'em, they're not steps! . . . Cartridge Drives — gotta be clean and lubed to work right . . . Chuting — eyeball it every chance you get to see it's in line, clean and lubed.



TM 9-1005-243-12 (1 Oct 63) TM 9-1005-243-ESC (3 Feb 65) LO 9-1005-243-2 (24 Jun 64)

TB 55-1520-208-10/3 (14 Nov 62) w/Ch 1 (5 Sep 63)

MWO 55-1520-211-20/6 (10 Jun 63) MWO 55-1520-211-20/4 (7 Nov 64)



M22 (SS-11 MISSILES)

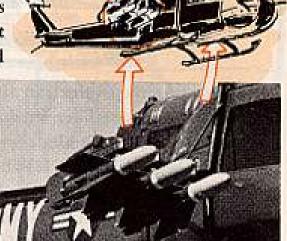
Three anti-tank wire-guided missiles on each side of a UH-1B

KEY PM POINTS: Mating joint of launcher support and housing assemblies — double check before each flight that everything's tightened... Armament assembly — pre-flight MUST: see that the arm rest assembly's real tight.

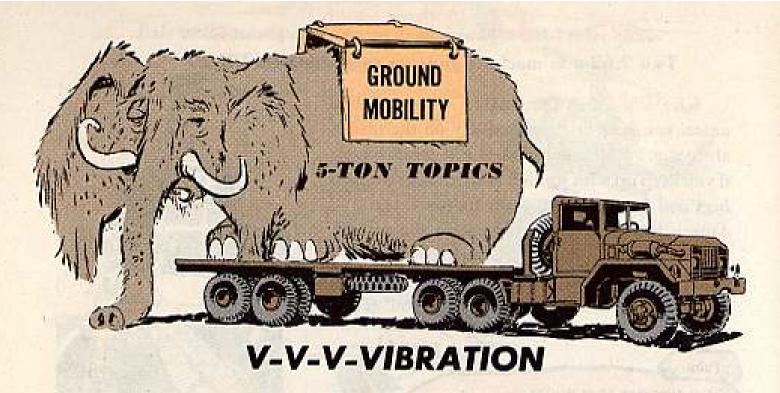
Pubs:

TM 9-1400-461-20 (Feb 65)

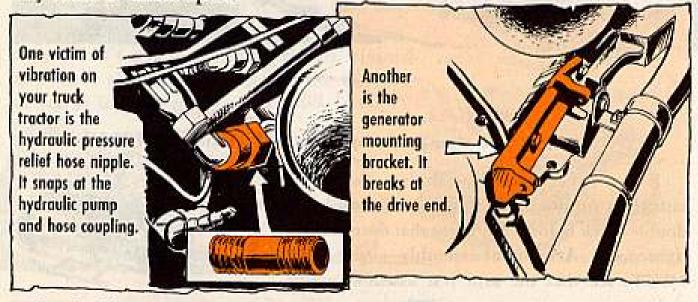
TM 55-1520-211-10 (29 Jul 64) w/Ch 5 (28 Apr 65)



Hey, you 427's, any time you run into a real snag on repairs and parts — anywhere on the map — remember, y'can always buzz your support and get a weapons expert a-running to your side. These subsystems, y'know, rate A-1 priority.



Vibration is pure murder on many parts of your 5-ton M52A1 truck tractor. The shudders—set up by traveling at slow speed in high gear and by low idle speeds—loosen nuts, snap brittle parts, crack body seams and just generally rattle a vehicle apart.



Overloading the engine can also bring an early death to bearings and rings. It can cause cylinder liner scoring, too, and coking of the injector nozzles.

These and other troubles come from operating in 5th gear high transfer range at speeds below 35-MPH. The same damaging vibration can be set up by traveling over rough terrain and not maintaining a minimum of 1700-RPM.

The data caution plate on your M52A1's instrument panel tells what gear you should be in for different speeds, and you can find the same dope in TM 9-2320-211-10.

CAUTION-DO NOT EXCEED

Vibration damage from too low an idle usually happens when the M52A1's engine is set to idle below 600-RPM. Set the engine idle at 700-750 RPM and you'll avoid vibration damage.



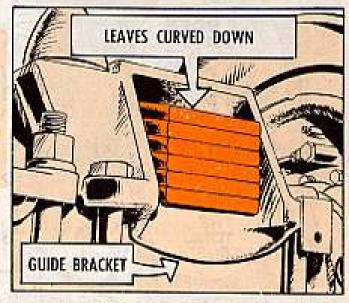
Yep! Take a good look at those curves and they'll tell you whether you're in for a let-down or an easy ride.

The curves are on the rear springs of the M62, M543 and M246 5-ton wreckers. The leaves should be curved down. If they curve up, the spring's

installed wrong.

The spring should be assembled and installed with the curve away from the beam. When the spring is mounted on the wrecker, the ends of the main leaf should curve down and rest on the bearing plate inside the guide bracket.

Some parts pubs show the spring leaves curved up in relation to the spring beam. This is OK for identifying parts but they shouldn't be installed that way.





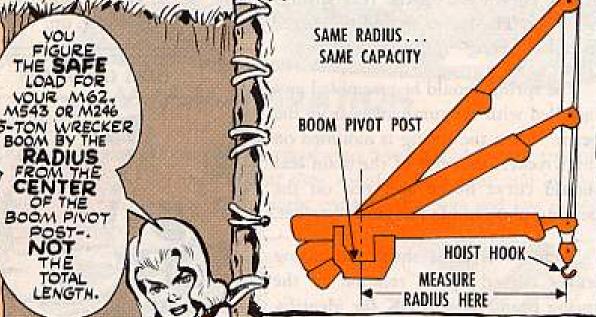
Check this bearing plate for wear at every semiannual inspection. As soon as the plate is worn thru to the point where the main leaf starts to wear the guide bracket, replace the bearing plate.

The Plate, Bearing, Guide bracket, FSN 2510-734-9652 is listed on page 127 in TM 9-2320-211-20P (Mar 63).

RADIUS IS RIGHT

"Operation of Crane" in TM 9-2320-211-10 (page 51, para 23c) has been changed by Change 2 (Jun 64) to read:

"Note: The crane load capacity is inversely proportional to the boom radius as measured below."



The safe load radius for operating the crane is the horizontal distance between the pivot post centerline and the hoist hook, regardless of the boom angle or length.

How the radius measurement is used is shown on the Safe Load chart or Crane Capacity chart.

HERE'S THE DATA PLATE FOR THE M62

DARWING	2 PART HOIST U	MIHOUT ourseces
RADIUS	LUAD IN LE	5. LOAD IN LBS.
10 FT. —		6700
ALL AND	- 8400 -	
12 FT. —	 7150 -	5100
13 71	6300 -	4600
14 FT -	5600 -	4150
	5000 -	3800
16 FT. —	—— 4550 -	3500
17 FT -	— 4250 -	3200
18 57	4000 -	
1000		3000
The second second second second	KCITY WITH BOOM	RETRACTED & BOOM
SUPPOSITED TO	1 2 1 4 M E 2 80 1 100 0 4 1	FIG FT. RADIUS WITH

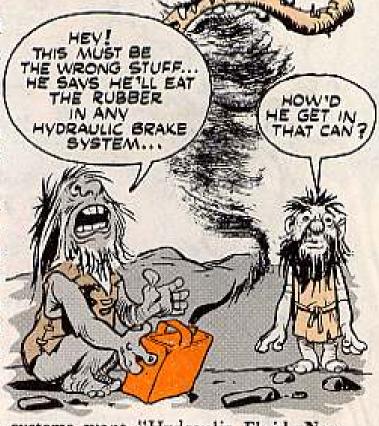
50

HIT THE BRAKES

Slow down when you read the label on a can of hydraulic brake fluid. Look carefully.

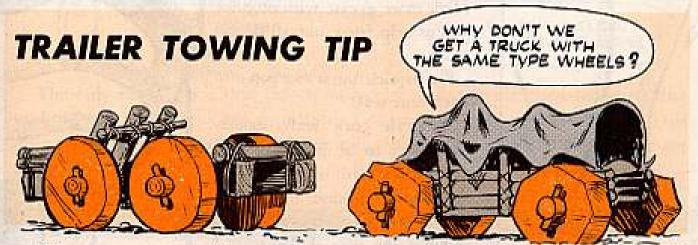
Does it say "Non-Petroleum Base" or "Non Petro Auto"? If it doesn't, never put it in your hydraulic brake system!

There's hydraulic fluid and then there's hydraulic fluid. Some guys are puttin' petroleum-base hydraulic fluids in their brake systems and really lousing up the works—causing damage to brake components, bringing on brake failure and endangering the lives and limbs of drivers and anybody who may be in the way of a brakeless vehicle.





Hydraulic brake systems want "Hydraulic Fluid, Non-Petroleum Base." It comes in pints (FSN 9150-190-0932), quarts (FSN 9150-190-0933) and gallons (FSN 9150-231-9071). Don't be surprised if you can't latch onto the quart-size, because it's not being restocked after the present supply is exhausted.

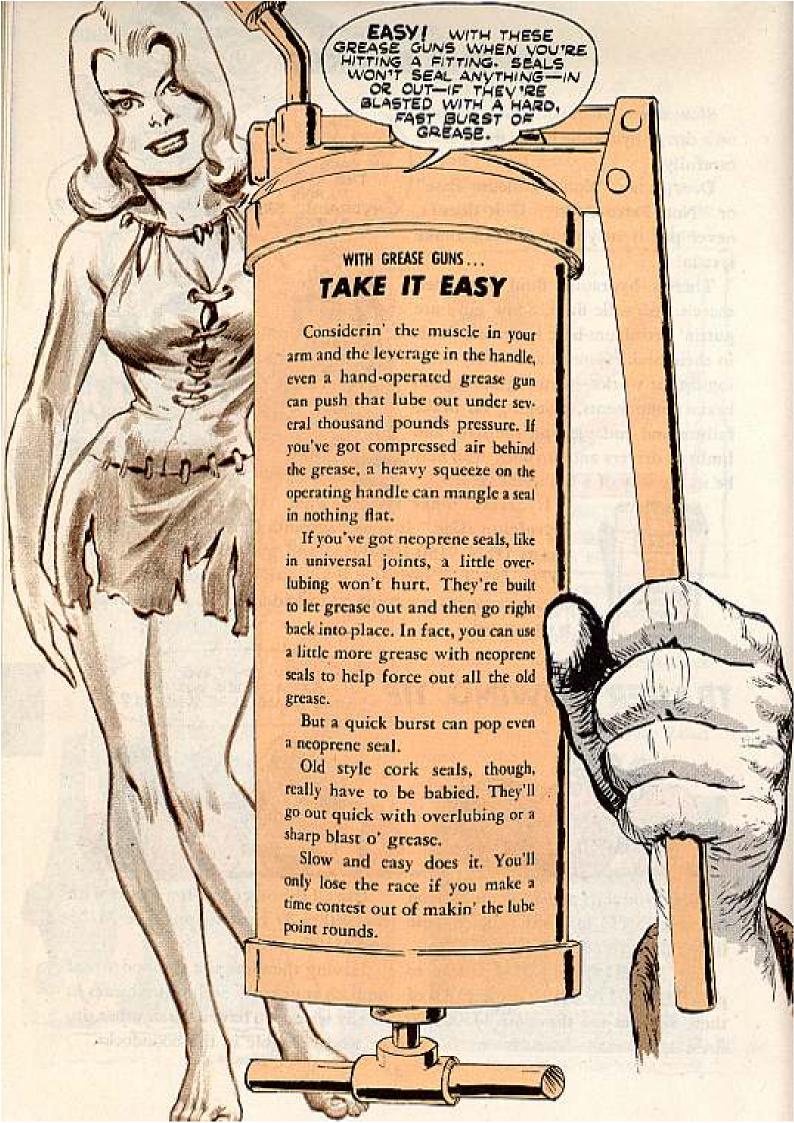


When you start matching up 2½-ton trucks with 1½-ton trailers, keep these little tips in mind.

Use the M135 and M34 trucks to pull the M104 or M106 trailers. All of these vehicles use the same 11:00 x 20 tires.

Use all the other $2\frac{1}{2}$ -ton trucks with the $9:00 \times 20$ tires to pull the M105 and M107 trailers.

Having the same size tire and wheel on both your truck and trailer comes in handy when you have a flat or other tire or wheel trouble in the boondocks.





are to be left unpainted. . . ."

You don't paint the rubber on your tracked or wheeled vehicles. Also, you don't varnish it, you don't shellac it, you don't enamel it, and you don't rub it down with dry cleaning solution.

> VOU JUST WASH IT CLEAN AND THEN YOU LEAVE IT ALONE !!

The only exception is that before long-term storage, rubber-coated parts like tank wheels and tracks get a protective coating of rubber preservative. This does not apply to rubber tires, either mounted or unmounted. They do not get the preservative coating.

No need to sweat and stew if your M35A1 21/2-ton truck came without an air , cleaner restriction gage. Some have 'em and some don't. FRET NOT TM 9-2320-235-20 (Jan 62) tells when — and how — to change the air filter without a gage. PS 142, with a special article on the M35A1, tells how the gage works and gives more on the air cleaner.



Is your electrical test meter (low-voltage circuit-tester, ohmmeter, voltmeter, etc.) giving you wild readings?

Don't cuss it. Check the strength of the anti-static coating on whatever plastic face covers it has. HERE'S HOW TO
CHECK...CLEAN THE PLASTIC
COVER WITH A SOFT, CLEAN
CLOTH, AND THEN RUB THE PLASTIC
COVER BRISKLY.. IF THE METER
DOES A WATUSI, THE ANTI-STATIC
COATING IS WEAK
AND NEEDS RENEWING!

TO RE-COAT

You do the job with anti-static compound, FSN 6850-368-5227. Or you can use one of the spray-type commercial compounds.

But, first wash the plastic cover with a soft, damp cloth (add a mild detergent to the water and squeeze the cloth fairly dry).

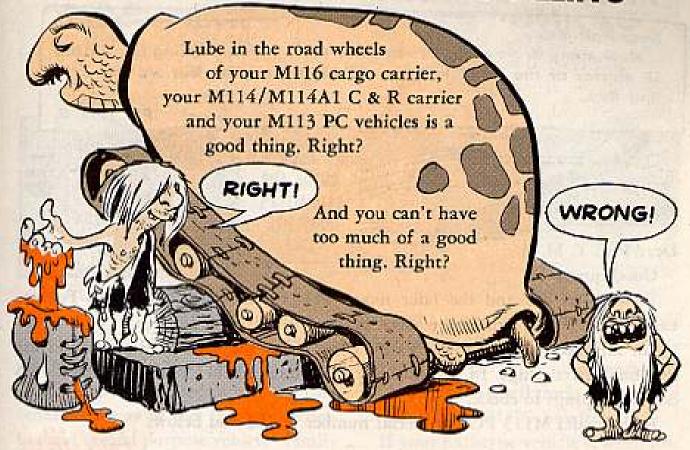


When the coating is completely dry, check the meter's anti-static protection again by rubbing the cover briskly with a soft, clean cloth. If the drying time for the compound isn't quoted on the container, let the coating dry for 30 minutes.

OBSERVE, NO MORE NEEDLE SWINGING WHEN I RUB THE PLASTIC COVER BRISKLY.

If you did a good coating job the meter won't go wild when you rub it.

FILL IN ON ROAD WHEEL FILLING

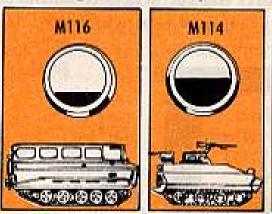


If these road wheels are overfilled, the pressure can blow the seals or even break the sight glasses after the oil gets hot and expands.

Check the oil level daily but don't fill higher than it says in the LO for that

particular vehicle.

For the M116 the level is correct when the surface of the oil shows through the sight plug. Correct level for the M114 is near the center of the sight plug and for the M113 family the oil must show halfway up or higher.



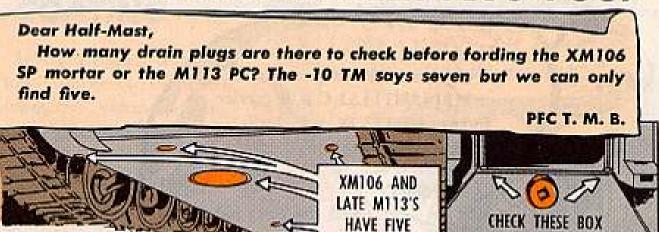
M113

M577 COMMAND POST CARRIER PARTS



Need repair or replacement parts for your M577 command post carrier? You'll find 'em in Part Two of TM 9-2300-224-20P/3 (Nov 64). The two electrical cables for extension lights are included with the other parts of the covered extension and mounting kit.

MIO6 MORTAR CARRIER PLUG POOP



Dear PFC T. M. B.,

Good question.

For all M106's and the later model M113's there are five plugs. For the early model M113's there are seven plugs.

PLUGS.

For all M106's and all M113's PC's you check the three hull plugs and the two final drive plugs. In addition, for early model M113's only, you have two box beam plugs to check.

Early model M113 PC's are serial number F4783 and below.

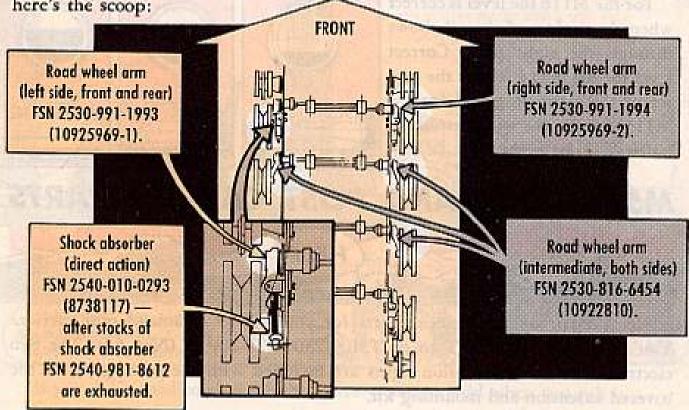
Half-Mast

BEAM PLUGS ON

EARLY M113'S.

MII4AI ROAD WHEEL ARMS

On your M114A1 (or M11'4) command and reconnaissance carriers there are three different kinds of road wheel arms. Until you get your new parts manual, here's the scoop:





No, you're not going colorblind if you were issued a hull-type tracked vehicle that looks light green inside.

Some self-propelled howitzers and other members of the "hull-type combat and special purpose vehicle" family have come through green instead of the white called for by AR 746-5.

The color as issued is okay, and any touching-up should be with the same color and type of paint.

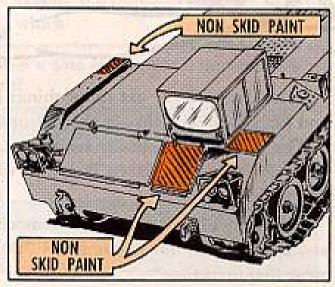
If that green needs touching up, FSN 8010-598-5648 will get you a quart of

the right semigloss enamel, and FSN 8010-527-3197 is for a gallon. This's the same green paint used inside the M113 and M114 full track carriers and the M108 and M109 howitzers.

If your hull-type vehicle is semigloss white inside, per AR 746-5, you can get touchup enamel by the quart with FSN 8010-087-0107 or by the gallon with FSN 8010-297-0584. Gloss white enamel can be touched up with FSN 8010-515-1596, quart-size, or FSN 8010-664-9088, gallon-size.

GOT AN XM474E2?

Here's good news if you have an XM474E2 missile carrier. TB 9-2300-224-20/3 (Dec 64) gives you three more areas to cover with non-skid paint. And it tells you to apply a "no step" warning near the external fire extinguisher handle.





Of course, you can get rid of things in different ways . . . but, the easy, sweat and cash-savin' way to get shed of unneeded stuff is with DA Form 1771.

The form's made special for telling top-side providers about any problems you may have with excess baggage, or unnecessary items they may be loadin' you with.

DA Form 1771 is called "Recommendation for Elimination of Equipment," and the authority for its use is AR 700-11 (14 Nov 62), "Reduction of Equipment Requirements."

AR 700-11 is for everybody

all individuals and organizations in the Army... and
you can do plenty with it.

Snowb

ARTO-11 is for everybody

anizations in the Army... and
you can do plenty with it.

Snowb

ARTO-11 is for everybody

ARTO-11 is for ever

For example, you can use the form to submit recommendations for deleting or reducing an allowance of equipment which:

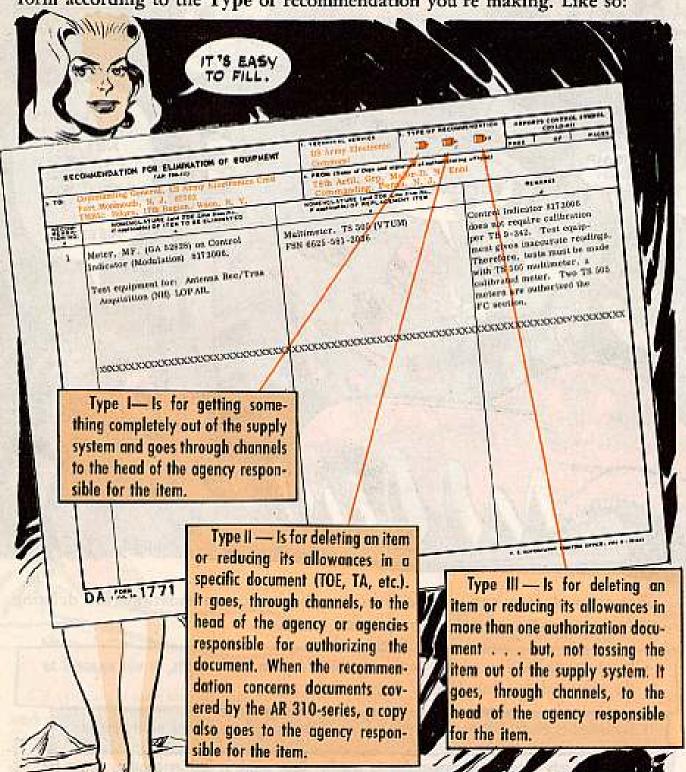
- Is not essential to your mission, to the mission of a given unit or units, or not essential to the mission of the whole PT-lovin' Army, period.
- Is needed at times, but can be gotten on a loan basis, or from a pool when needed.
- is a duplicate item, or is comparable to another item which is just as good or better for the designated job.
- Is essential, but should be considered for deletion from the Army depot and maintenance system and obtained and maintained locally even in wartime.



FILLING THE FORM

You use a separate DA Form 1771 for items belonging to separate agencies, and you tell on each form the type of recommendation you're making.

The form's easy to fill. The AR gives detailed info on filling it out. It doesn't take a letter of transmittal, but it's made out in duplicate. And, you dispatch the form according to the Type of recommendation you're making. Like so:

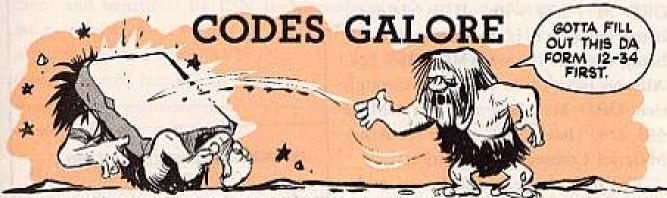


All a DA Form 1771 needs in the remarks department are brief statements explaining your reason for the recommendation. If you got plenty to say about the problem, use a plain sheet of paper and add it to the form.

So - what are you waiting for? Go fetch a copy of the AR and start thinking.

UP-DATED MARINE PM GUIDE

Your latest guide on Floating Craft Preventive Maintenance is TB 55-1900-202-12/1 (Oct 64). It's for use with DA Form 2404 and other records required by TM 38-750 (Jan 64) until the organizational maintenance manual for each item of equipment is published or up-dated. TM 55-507 (Dec 59) was rescinded by DA Cir 310-22 (Dec 64).



Your unit may need SB 708-41 (Oct 64) and Change 5 (Apr 65) when filling in the manufacturer's code on DA Forms 2408-7 and 2408-8. If your supply people or library don't have the SB, order one on DA Form 17. If you need future changes or revisions, better send in a revised DA Form 12-34 so you'll get 'em on automatic pinpoint distribution.

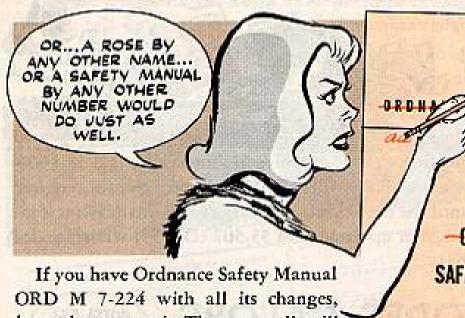
LUGS, ANYONE ...?

The "unit of issue" column for some 12,000 FSN's in the FSC Class 5940 (lugs, terminals and terminal strips) has been changed from Each to Package. So take care you specify PK instead of EA.

And, it's very important you trim down the quantity accordingly. That is, if you're used to ordering 10 Ea... be sure you don't order 10 Pk. The item could be packed 100 to the package. If supply support doesn't catch your goof, get the picture?

You'll be sufferin' from over-loading, and helping to create a big fat hole in stocks at the supply center.

A ROSE IS A ROSE ...



If you have Ordnance Safety Manual ORD M 7-224 with all its changes, better hang on to it. That manual's still being used. It is now AMCR 385-224. All you have to do is scratch through that ORD M 7-224 and add AMCR 385-224. That AMCR stands for Army Materiel Command Regulation.

You'll find the authority to make that change in AMC Pamphlet 310-1 (Jan 65).

The latest Changes are — change 11 (30 Oct 64) and change 12 (9 Nov 64).

The safety manual is distributed to Army Materiel Command elements on a need-to-have basis.

When a major unit commander in 385-series and TM's.

ORDHANCE CORPS, DEPARTMENT OF THE ARMY
1951

The Field Army directs that the infor-

AMCA

the Field Army directs that the information in the AMCR 385-224 be used, he will usually do it by a local SOP and will provide copies or reproductions.

Department of the Army safety instructions are published in AR's of the 385-series and TM's.

DATE LINES

Whether you check 'em early or late and whether you do the job in one day or two, depends on your set up . . . time, convenience, SOP. But all your record of demand cards (DA Form 2527) are due a monthly review.

And, that's a calendar month, friend — not a month from the date you started the card. See AR 735-35, para 31a.

Even cards started in the middle of the month, or later, get a review line at the scheduled monthly review.

The review lines make it easy to tote-up six review periods (180-days), which give info for adjusting PLL allowances . . . so don't skip any cards.

IT'LL EAT UP YOUR -3's, SO . . .



When you're reporting repair parts usage on DA Form 2408-3, you can save yourself a lot of sweat, pencil lead and umpteen -3's by not listing common hardware parts and items cut from bulk stock.

Common hardware items are specifically excluded from block 11i of DA 2408-3 - as spelled out in para 4-7c(21) of TM 38-750 - when you record repairs accomplished as called for in para 4-7a(1).

So you . . .

List only

. . . High-cost repair parts and assemblies specially designed for the equipment and identified by FSN (or manufacturer's part number) in the equipment parts manual (-20P, etc.), and those time change and condition items for aircraft as listed in TB AVN 23-65. Also list electron tubes, fuzes, resistors, switches, indicator lamps, capacitors and such - even if they're not high-cost items.

	TANK 230020 /							M48A2 2350-346-7560 05 C								
17	0447E	909	-		COMPONENT/PART HOUSE OF SERVICES					MEADING						
						46 T	0-19 6006	44 1004	ner 0000	ura	HOME LATER		nrv /	1000	MILES.	ROUNDED Brants
ci)	P	068	A	000	00	OMETI	R	3.0	6680-776-0396	1	2/8	1801	780	50		
(d)	0	099	A	070	TOR	5/0N E	AR	4.0	2350-763-5904	1	233	80	780	50		
(1)		W	E		QUA	ATER	LY	12.0			248	161	807	50		
(1)											100					

OMiT ...

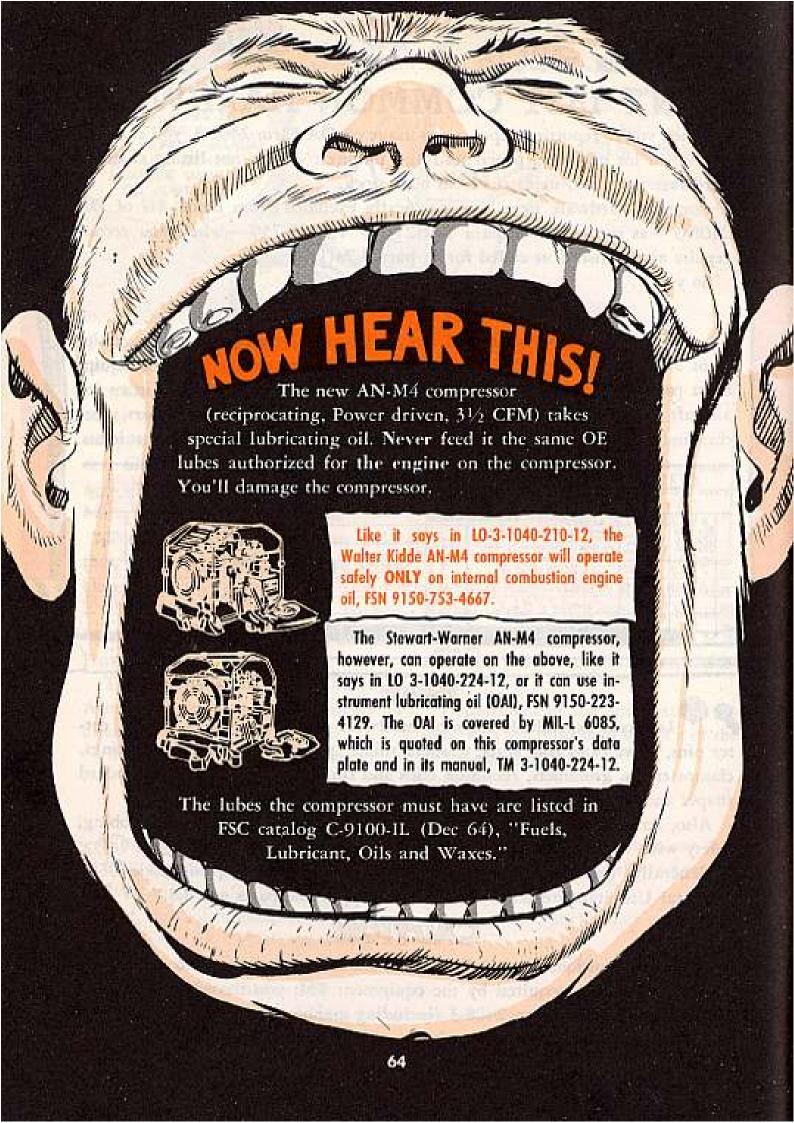
... Low-cost expendable common hardware - like nuts, bolts, screws, cotter pins, valve caps, lead seals, washers, shims, spacers, pipe plugs, lube fittings, clamps, rivets, grommets, retaining clips and rings and other items of standard shapes and sizes - normally used on several types of equipment.

Also, omit items cut from bulk stock-like hose, tubing, rope, webbing, safety wire, sheet metal, metal rod and glass.

Generally, these items will be listed under functional group code 9500 (General Use Standardized Parts) in your applicable parts manual.

CAUTION

A word of caution, though. When you use one of these items to do a repair action or a service required by the equipment TM, you record the action in block 11 of the DA Form 2408-3 (including manhours required) even though you don't record the specific common hardware or bulk item used.





Like AR 18-50 (3 Apr 65) says, the new Unit Identification Code (UIC) is to identify a unit for any administrative or management purpose. It went into effect 1 July 1965. Codes are listed in AR 18-50-10 (7 Jun 65).

Tack Talk

Been searching for the FSN's to get the tachometer parts to keep your tachometer perkin' in your M35A1 multifuel truck? Just pick up a copy of the new TM 9-2320-209-20P (21 Jan 65) and turn to page 268. You'll note that vehicles with engine serial number 6551 and up have tachometers. Action's in the mill that'll put tachometers in the earlier M35A1's.

...On Robbing Peter

When you pull a part off your equipment and turn it in to supply for overhaul, be sure it's in one piece. Holding part of an assembly for a rainy day (that never comes) costs Uncle plenty . . . in time and money.

7M 38-750 Change 23

Change 2 (18 May 65) to TM 38-750, Army Equipment Record Procedures, is now out, hot off the press. This change brings you the latest word on keeping your equipment records up-to-date. Order copies you need today.

No Winch, No Chain

When you get Change 3 to TM 9-2320-211-10, you'll notice that the BIIL (OEM) listing can be interpreted to mean that all 5-ton G744 series trucks are authorized to have Chain, Utility, FSN 4010-473-6166. This is not so. The chain is only meant for 5-ton trucks with a front winch. So turn in all chains that're not teamed up with a front winch.

Reach Out ...

To improve your maintenance or supply know-how, take a look at DA Pam 350-60 (Jun 64), the list of Army extension courses. Also, look over DA Pam 350-10 (Feb 65), US Army Formal Schools Catalog. It supersedes the old School Catalog, Pam 20-21.

Would You Stake Your Life the Condition of Your Equipment?

