



Your favorite uncle—Sam, that is—wants every mechanic to have and use the tools he needs for his job. He gives 'em to you through your unit TOE.

But you may have some tools and trouble-shooting equipment you'll never need. And if you don't need 'em, pass the word.

How? Use a DA Form 2028 or a letter. Send it direct to the outfit that put the set together. It's address is in the front of your tool set's supply catalog.

Easier still, write to MSG Half-Mast, PS Magazine, Lexington, KY 40507.

Tell him what your job is, what tools or tool kits you're using on what equipment, and what tools in each set you never use. Mention your TOE number. Also, pass the word if you need tools that are not in your set.

He'll see that the tool and TOE people get the word ASAP. Could be that one of these days you won't have to lug all those unused tools 'round the world.



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M67 90-MM RR

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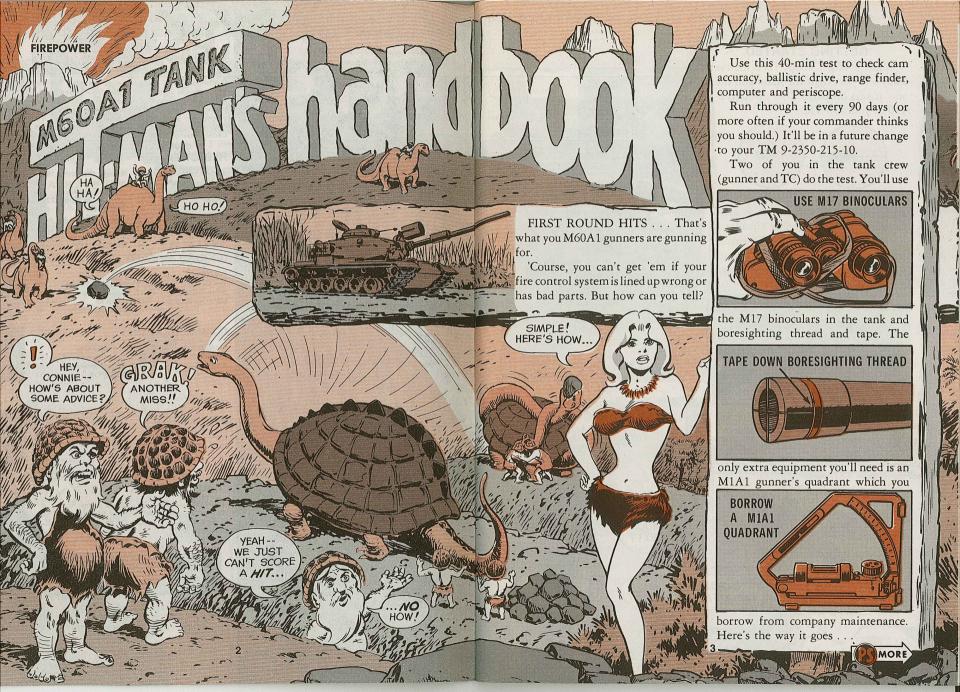
PS wants your ideas and contributions, and is glad to answer your questions. Name and address are kept in confidence. Just write to: Or call: AUTOVON 745-3503.

M S G Half-Mas PS Magazine Lexington, KY 40507

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**DISTRIBUTION:** In accordance with requirements submitted on DA Form 12-5.







#### SYSTEM CHECK

1. Turn the computer switch on the rangefinder to ON position.



2. Turn the ammunition selector handle a full 30 degrees clockwise. Then pull it out (or push it in) until you have the HEP indexed in the window.

3. Now—Commander turn your rangefinder range knob

(from LOW to HIGH of course)

Depress the computer reset button

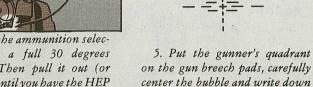
in the range scale window.

and see that the inner

and outer matching

pointers are lined up

and stop on range 500 meters.



same wav.

Total gun elevation-11-2 miles

the total gun elevation.

4. Re-lay the gunner's peri-

scope reticle on the upper left

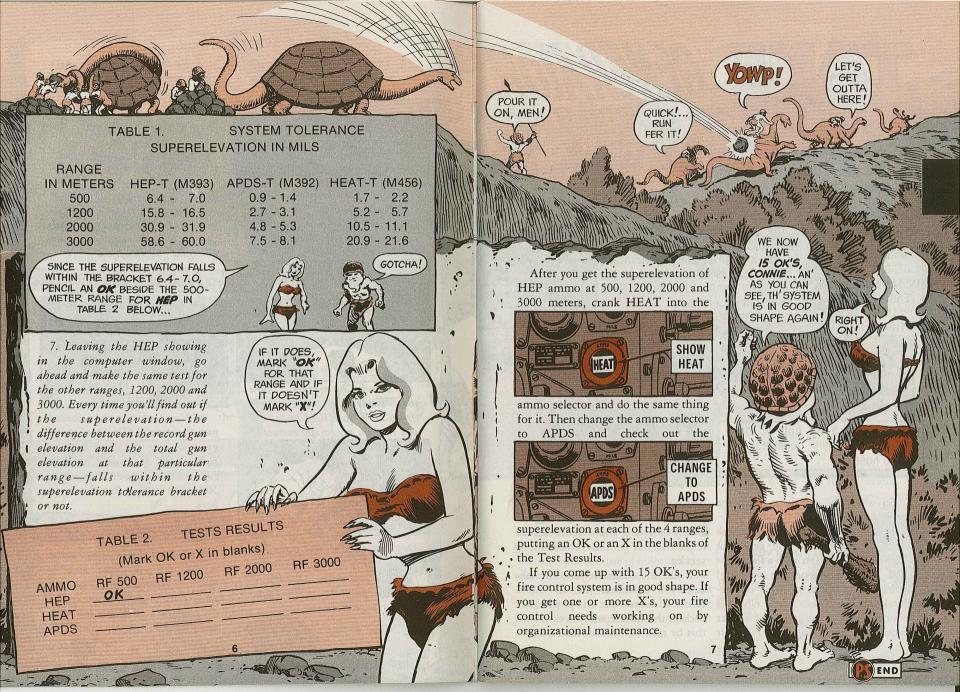
corner of the reference target the



6. Now, subtract the recorded gun elevation (4.6), from the total gun elevation (11.2). What you have left, of course, is the superelevation for HEP ammo at 500 meters range. Put this down here.

# Superelevation-6.6 mile

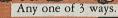
(Take this figure, whatever it is—say 6.6 mils—and look at Table 1, System Tolerances and see if it fits inside the tolerance 7.0 - 6.4 for superelevation for HEP ammo at 500 range.)





It takes very little water, mud or crud to ruin the generator in your M60series and M48A3 tanks, bridge launcher or M728 combat engineer vehicle. But how does this guck get into the generator?

REMOVE SCREEN BEFORE **NSTALLING** ENGINE IN **VEHICLE** 



Through a generator air intake elbow that is not fastened to the bulkhead behind the engine compartment access plate.

**FASTENED** TO ACCESS PLATE?

2 Through a rip, hole or loose connection in the generator air intake hose.

So what can you do to keep the that it will hold a piece of paper on the generator juicy?

blower intake screen with a flashlight service. and (with the generator running) motor will be sucking in so much air this by making the crewman's test.

screen.) Crewmen can check on 2 and If you're a crewman you can check 3 only by giving a look-see when the on 1 by looking at the generator engine is out of the vehicle for Q

If you're a mechanic you can make doing the old piece-of-paper-on-the- sure you reconnect the air intake intake-screen trick. (If the elbow is elbow when you put the power pack connected right, the generator blower back in the vehicle and you can check

3 Through a cut in the generator air exhaust boot.

DUNNO WHAT HIS PROBLEM IS, BONNIE!

Also make sure you unfasten the air intake elbow before the power pack is removed. (Forgetting to do this is the most common cause of holes and loose connectors on the generator air intake hose.) Give the air intake hose a good looking over and make necessary corrections when the power pack is out of the vehicle.

Never cut a slit in the generator boot. This is a mistake because it does not really make generator removal much easier. Besides, it opens a way for crud to get into the generator.

STALLIN'ON

GENERATOR **BOOT HAS** ALREADY BEEN CUT BY SOME OTHER MECH, PUT IN A NEW ONE!



WONDER HIS AIR INTAKES ARE ALL

**FOULED** 



using the purge pump in your M60A1 tank is knowing when to let go.

Tank drivers have been giving their (May 69). engines hydrostatic lock by making too many strokes with the purge pump handle.



enough, the way it says on pages 2-4 and 2-24 of your TM 9-2350-215-10

So what happens if you use the purge pump to build up your arm muscles? In the first 3 or 4 strokes you'll get the air out of the fuel lines. As you keep on pumping, you'll overload the manifold with fuel. That fuel goes on into your engine's cylinders and—POW! You've got hydrostatic lock. It can bend your connecting rods.

REMEMBER 1 THIS WAY ... ARE GOOD FOR YOU PLUS BAND 4000 BUP WOT ANY MO

M60 READY

CONNIÉ .. ROCKY FERGOT ONCE AGAIN TO SECURE THE RE-TAINER TO THE CLAMP ASSEMBLY WHEN HE REMOVED THE FIRST ROUND!

Crunched toes and damaged shell cases in the turret of your M60 or the clamp assembly after removing M60A1 tank can be avoided by doing this easy fix on the clamp assembly of vour ammo ready rack:

Tighten the self-locking nut (NSN 5310-00-902-9369) on the clamp assembly. When you tighten the nut,

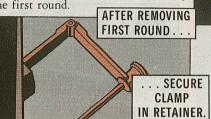


move the clamp assembly up and down until it takes a little effort to raise the assembly.

This, too, is a must. Raise the clamp assembly just enough to get the first round out. Never raise it all the way for that first round.



And, always secure the retainer to the first round.



If you raise the assembly all the way and leave it there, the shock from firing or traveling can shake the second round loose. That could be hard on your feet . . . or whatever else the round falls on.



Naturally, you've gotta raise the assembly all the way to get the second round out.



When is it better to be a square? Being square is an advantage for holes. tank final drive plugs.

There are square-opening final drive plugs, NSN 4730-00-437-0131,



and there are hexagonal-opening final drive plugs, NSN 4730-00-045-9833.

in and out, so put 'em in the positions and related vehicles.

that get action—the fill, level and drain



This is the cold, stone truth for all The square ones are easier to screw kinds of M48- and M60-series tanks

M60/M60A1 TANKS

(HALT! SORRY ... BUT THIS IS A JOB FOR DS

**RECOIL MOUNT** 

It can be a real bummer if any of the 16 bolts that hold the recoil mount retainer cover get sheared off.

This can happen if they work loose. So reach around and give 'em a feel. If they're so loose you can move 'em with your fingers, or if one or more of 'em is already sheared off, you've got problems. Likewise, if any of the lockwires are loose or broken.

LOOK FOR HYDRAULIC FLUID LEAKAGE

CHECK LOCKWIRE AND BOLTS

CITT

Another sign that things are not going right with your tank recoil is a lot of recoil oil leakage in the area around the retainer cover.

If you get either loose bolts or recoil oil, yell real loud for your unit turret mechanic who will call in direct support. They'll know what to do. Your unit's turret mech doesn't work on this

M107/M110/M578 VFHICLES

Losing steer on your M578 recovery vehicle could land you in a mess of trouble . . . and if the steer went out on an M110 heavy howitzer or M107 gun. you could be even deeper in the soup.

So, check out the steering linkage on these vehicles for tightness of mounting nuts and cap screws.



LATE MODELS HAVE COTTER PIN THROUGH NUT

The early model vehicles (1969 or before) have a cap screw, washer and nut in the steering linkage that are different from the similar parts in the later vehicles. The later model vehicles also have a cotter pin through

the nut. **COTTER PIN** NSN 5315-00-839-5820

> CAP SCREW, NSN 5305-00-182-9261 WASHER, NSN 5310-00-429-1771 WASHER, NSN 5310-00-809-4058 NUT. NSN 5310-00-840-6151

Update your early vehicles by putting in the later model hardware. It's listed on page 279 of your TM 9-2300-216-20P. This could keep you from losing steer.

M109A1 HOWITZER . . .

# **HYDRAULIC LINES SUPPORTED?**

A lot was added to your M109 howitzer when it was converted into an M109A1. But in some cases a couple of things were taken away.

Hose clamp NSN 4730-00-908-6294 and bracket NSN 1025-00-082-

brackets in the cab roof are there with cap screws tight and the lines not crossed or rubbing.



Also make sure all 6 of the support

Long hard service can beat up the lines. Look 'em over and if they're cracked, separated or deformed, have your mechanic put in new ones. They

> DON'T SWEAT IT BRONTY

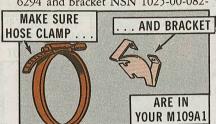
THO' YOU

JUST HAD AN

MWO APPLIED,

CLAMPS AREN'T

A PROBLEM



0099 should have been switched over from the M109 to the M109A1 but don't cost a lot. sometimes this was not done.

... AND IN THE RIGHT POSITION

So check your M109A1 and see if these 2 parts are present and in the right position. If they're not there, you'll get a lot more vibration in the hydraulic lines where they attach to the elevating cylinder. The lines are more likely to break.

DRAT! THERE ARE NO CLAMPS ON THESE HYDRAULIC LINES!

M109/M109A1 HOWITZERS . . .

# AN ELEMENT OF CONFUSION

NO...IT'S NOTHIN'
YOU SAID, BRONTY...
IT'S JUST THAT YOU
BEEN DRINKIN' CONTAMINATED





Why pay \$106 for something you can get for \$1.30? We're talking about the replaceable filter element, NSN 2940-00-580-6283. It's listed on page 4-221 of TM 9-2350-217-24P/1 (Oct 72) as Item 2 of Fig 7.



Instead of asking for the element, a lot of outfits are ordering the complete filter assembly. This includes the metal shell and costs—ouch!—\$106. It's listed under another NSN on the same page.

So if all you want is the filter element, get it as NSN 2940-00-580-6283 and save over 104 pieces of green lettuce.

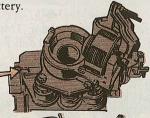
# M109A1 HOWITZER . NEEDS BLEEDIN! **PROBLEM**

howitzer, the counter-recoil buffer Ch 1 to your LO 9-2350-217-12 (Jan will probably have a lot of air in its 72) tells you how. After you bleed the hydraulic fluid. This is a natural thing system a few times and get it because the hydraulic system has been stabilized, it'll work better. If the torn down to change the M109 into an system is not bled, the breech M109A1, and depot can't get all the air operating cam roller could be damaged out.

So, bleed the buffer every 7 to 9 battery. rounds when you first fire a new



When you first get your M109A1 M109A1. Note 14 on pages 9 and 10 of by the weapon slamming back into





chain?

The chain repair link—that's for



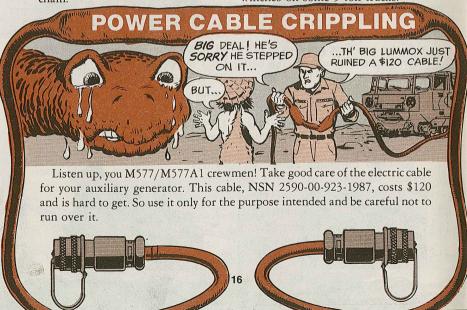
In fact, if you've repaired your cargo carrier winch chain with one of these 4010-00-838-7476 links-NSN (7717023)—the link will break the first time you put a heavy load on the and XM806E1 carriers and with the chain.

930-6580 (10944639-3). It's listed on



page 67 of your TM 9-2350-247-20P (Feb 74) and the Army Master Data File prices it at \$27.71. Turn in the repair links for salvage.

This chain is used on M548, XM806 winches on some 5-ton trucks.



#### 90-MM RECOILLESS RIFLE . . .

Is there a weapons rack for securing

SGT J.H.F.

my M67 90-MM recoilless rifles?

YA GOT A SECURE STALL FER OUR RRRS\*

NOPE ... BUT YOU CAN FABRICATE ONE EASY ENUFF

\*RECOILLESS RIFLE REPTILES

Dear Sergeant J.H.F., Negative.

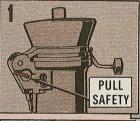
Dear Half-Mast,

But you can fabricate a rack for those RR's. Just be sure the rack meets the specs in AR 190-11. If you want to be sure about 'em, have your local Provost Marshal take a look.

If arms room space is sparse, you can foil felons by securing the Sbreechblocks only.

In a. couple o' minutes you can remove the SAFETY, pull the firing cable clear, unlock and open the breech. Then remove the hinge pin and lift the breechblock from the tube.

Since the breechblock and tube carry matched serial numbers, it's a cinch to rematch 'em when you issue the weapon.







LIFT BREECHBLOCK FROM TUBE





There's an old saying that goes: "Don't believe everything you read."

Remember it next time you're eyeballing the Redeye missile misfire procedures in TM 9-1400-425-12 (Jan 67). The procedures are about to get a slight but important change.

F'rinstance, the TM tells you that when you have a misfire, you cut the eiect leads midway between the gripstock handle and the rear protective shock ring/disk assembly.

Forget it.

If you cut the leads where the TM says, and if the solder splices on the eject leads just happen to be defective, you can't "safe" the eject motor.

The new way to "safe" the eject motor is:

2. Locate the soldered portion of

SOLDER

the leads.

1. Lift the tape that runs along the M41 weapon launch tube.

> 4. Strip the insulation off an inch or so of the ends of the 2 leads that go to the rear shock ring, and wind the ends together to short them out.

3. Cut the leads between the solder and the rear of the tube (toward the protective shock ring).

> Naturally, you follow standard misfire procedures before you cut the leads. Allow at least 3 seconds (continue tracking) to determine that you don't have a hangfire. Place the ignore it. weapon in a position that won't endanger you or other friendly troops. If the missile stays in the tube, wait 30 minutes before you cut the eject leads.

Safety personnel normally would cut the leads if a misfire occurs on the range. In the field, it's the gunner's job. Cut 'em with a pocketknife or anything else that's sharp enough.

The soldered leads usually are under the tape pretty close to the friction screw ... about two-thirds of the way shock ring.

The change in procedure is scheduled to come out in Change 7 to the -12 TM. The rest of the misfire poop in the TM is good info, so don't

Since we're on the Change 7, it'll also include a note that the launch tube cover can be used so long as it only has minor cracks, scratches and such.



IT'S IN SHORT SUPPLY, SO USE THE COVER AS LONG AS IT'LL DO THE JOB.

A change to the M76 trainer TM down the launch tube toward the will include the same kind of note on use of the tube cover.

مراد مارا المراد المراد

RIGHT

ON, BONNIE!

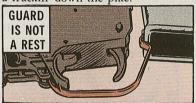
SINCE WE APPLIED THAT

FIX, OLE "REDEYE

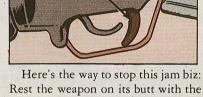
AN ENEMY



Be careful how you carry your M203 position, jam the trigger or 40-MM grenade launcher when you're missing, cracked or twisted. a-truckin' down the pike.



Never rest the launcher on the trigger guard. A rough bounce and the trigger guard's pushed up between the magazine well and the trigger housing.



CAN JAM

TRIGGER

Here's the way to stop this jam biz: Rest the weapon on its butt with the magazine pointing away from you. Hold it between your knees with either hand.





Thanks to you it's working—your M113A1's machine gun mount cradle, that is—if you're keeping a couple o' little things cleaned and lubed.

F'rinstance, you do everything the mount PM checklist calls for in Table 3-4,



Never overlook the mount's 2 lock pins, travel lock pin, cradle tie bar, spring, pin, washer and cotter pin.

All these get a good cleaning with a brush and drycleaning solvent. NSN 6850-00-281-1985 gets a gallon of PD 680.

Now lube the parts with PL Special—NSN 9150-00-231-6689 (qt).

Besides this before-and-after action PM bit, clean and lube these items at least once a week.

Add some GAA—NSN 9150-00-190-0905 (5-lb can)—to the pintle shank while you're so close to it.

# PS BACK ISSUES . . . FREE

You can get copies of back issues of PS Magazine, Lexington, KY 40507. No charge. Many of the issues between No. 217 and this issue are still on the shelf. Tell how many you need of each.



revolvers unserviceable for security purposes by partial stripping.

No sweat ... yet!

But you have to be extra careful how you handle the stripped-down weapon—and with the parts you take off.

F'rinstance, you make the M1911A1 .45-cal pistol unserviceable by removing the firing pin, firing pin spring, and firing pin stop.

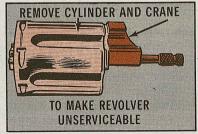


That's OK-But never dry-fire the weapon when these parts are out of the slide. When you dry-fire, the hammer slams against the slide and peens the hole in the firing pin cavity.

**NEVER DRY-FIRE** WITH PARTS OUT OF SLIDE After awhile, the hole gets too small for the firing pin to fit.

Now your weapon's really unserviceable—for replacement parts and downtime!

Making revolvers unserviceable by removing the cylinder and crane calls for hair-trigger PM care, too.



Keep each revolver's cylinder and crane together in its own bag, envelope or other container. Every



cylinder and crane are matched with their serial-numbered frame. They won't work on any other frame. So, no switching.



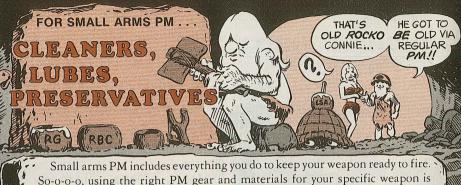
When you remove these 2 items. make sure they're tagged with the same serial number as on the revolver. This is another check against mixing the cylinder and crane with another frame.



Keep the parts that hold the cylinder and crane on the framecrane lock-screw, crane lock-detent. and crane lock-spring (if model calls for it) in the same container with the cylinder and crane.







So-o-o-o, using the right PM gear and materials for your specific weapon is where the PM action is.

Here're the cleaners, lubes, and preservatives that a sharpshootin' gunner can use on his particular weapon. Check the ones you use. Forget the others. Using the wrong lube, cleaner or preservative is as bad as using the wrong part.

ITEM	NSN	UNIT OF ISSUE	REMARKS
CARBON REMOVING COMPOUND: P-C-111B, TYPE II	. 6850-00-965-2332	5-gal pail	Strictly for armorer
CLEANER, TOBACCO	9920-00-292-9946	36 per pkg	For M16A1 rifle
CLEANING COMPOUND: Rifle Bore (RBC) MIL-C-372B	6850-00-224-6656 6850-00-224-6657 6850-00-224-6663	2-oz can 8-oz can gal can	For internal and external cleaning of all weapons after they've been fired.
CLOTH, ABRASIVE CROCUS: 9x11	5350-00-221-0872	50-sheet sleeve	Strictly for armorer
DRYCLEANING SOL- 1 VENT: (SD-1) P-D-680, Type I	6850-00-664-5685	qt can	Strictly for armorer
ENAMEL: Blk, jet	8010-00-297-0546	qt can	For touch-up painting of outside metal surfaces
GREASE, RIFLE: MIL-G-46003 (RG)	9150-00-248-3480 9150-00-754-0063	2.5-cc tube     lb can	Use light coat on receiver group, especially in wet climates. Never use on M16 A1 rifle:

	ITEM	NSN	UNIT OF ISSUE	REMARKS
7.	LACQUER: BIK (jet) (listerless; Type I TT-L-50	8010-00-582-5382	pt spray can	For touch-up painting of outside metal surfaces
	LINSEED OIL: Raw TT-L-215	8010-00-221-0611	gal	For wood parts. Never use much and rub it in
	ALWAYS BE SURE Y THE RIGHT LUBE, O PRESERVATIVE ON	OU USE ONLY CLEANER OR YOUR WEAPON!	10	good with your fingers.  Never use it on plastic parts.
Till a	LUBRICANT: SOLID FILM	9150-00-142-9309	12-oz » spray can	For armorer's use only on M16A1 rifles.
San San	LUBRICATING OIL, GEN PURPOSE: Preser- vative Special (PL-S) V.V-L-800	9150-00-273-2389 9150-00-231-6689	4-oz can 1-qt can	For small arms except M16A1 rifle
The state of the s	LUBRICATIONG OIL: Semi-fluid MIL-L-46000 (LSA)	9150-00-935-6597 9150-00-889-3522 9150-00-687-4241 9150-00-753-4686	2-oz bot 4-oz bot qt can gal can	For M16A1 rifles, crew- served machine-guns, certain parts of some helicopter machineguns, (see your TM).
	LUBRICATING OIL, WEAPONS: (LAW) MIL-L-14107B	9150-00-664-0038 9150-00-292-9689	4-oz can qt can	For small arms at tem- peratures below 0° F (See your TM).
	NEAT'S - FOOT OIL: Fed C-N-200	8030-00-244-1031 8030-00-244-1033	pt ; gal	For leather slings and carrying cases
	RAG, WIPING, COTTON: Fed-DDD-R-30	7920-00-205-1711	50-lb bale	For general purpose use
	SWAB, SMALL ARMS CLEANING: 11/4-in sq	1005-00-912-4248	1000	For M16A1 rifles
	SWAB, SMALL ARMS CLEANING: 2½-in sq	1005-00-288-3565	1000	All small arms except M16A1 rifles.
Considerate of the Constant of		7):		United to



This is a selected list of recent pubs of interest to organizational maintenance personnel. This list is compiled from recent AG Distribution Centers Bulletins. For complete details see DA Pam 310-4 (Nov 74) and Ch 1 (Feb 75). TM's TB's. etc.: DA Pam 310-6 (Jul 74), and Ch 2 (Apr 75), SC's and SM's, and DA Pam (C) 310-9 (Aug 74), COMSEC Pubs.

#### **TECHNICAL MANUALS** TM 5-2420-213-20P Jun Wheeled Tractor

TM 5-6115-464-12 Jan Generators 15-KW

TM 5-6115-465-12 Jan Generator 30-KW MEP Mods -005A, -104A, -114A, -005AWF, -005AWE, -005ALM, -005AWM

TM 5-6675-250-12 Jun Survey Instrument

Mod AG-8 TM 5-6675-306-24P May Theodolite TM 9-1005-249-10 May M16A1 Rifle TM 9-1005-286-L Apr Vulcan M167 Gun 20-

TM 9-1090-203-20P Jun M28A1 Armament

TM 9-1425-480-L May DRAGON Ch 4. TM 9-2350-230-10/2-1 Mar OF (Turret Operation) M551 Sheridan Ch 3, TM 9-2350-232-10 Jul M60A2 Tank TM 9-6920-427-20P May Training Set

TM 10-3900-203-ESC May Fork Lift Truck,

Rough Terrain TM 11-5805-286-ESC Jun AN/MCC-3 telephone repeater

TM 11-5815-244-12 May AN/FGC-25, -25X, -26. -26X. -52. -52X, -57, -68, -161, -162, AN/UGC-30 and -30X teletypewriter sets TM 11-5820-334-ESC Jun R-392/URR

TM 11-5820-401-ESC-1 May AN/VRC-12 TM 11-5820-401-ESC-3 May AN/VRC-43

TM 11-5820-401-ESC-4 May AN/VRC-47

TM 11-5820-401-ESC-5 May AN/VRC-49

TM 11-5820-498-ESC-1 May AN/GRC-125 TM 11-5820-498-ESC-2 May AN/VRC-53

TM 11-5820-498-ESC-3 May AN/VRC-64 TM 11-5820-498-ESC-4 May AN/GRC-160

radio set Ch 2. TM 11-5820-785-24P Jun AN/FRC-80(V)1, 2, and 3 radio set Ch 3, TM 11-5825-205-12 Jun AN/FRN-22A

radio transmitting set
TM 11-5825-242-24 Jun AN/TRQ-23 radio

TM 11-5895-474-12 May AN/TSQ-71A landing control central TM 11-6625-258-14 Jun SG-299()/U signal generators Ch 5, TM 11-7440-215-15 May RP-152/G punch card reader . Ch 6 TM 11-7440-219-15 May RP-154 (P) G punch tape reade

#### MISCELLANEOUS

AR 700-64 Apr Radioactive Commodities DA Cir 105-30 Jun Pot Interference to Aero Radio From Cable

FM 38-24 May Classes of Supply FM 101-10-2 Jul Tech & Logistical Data LO 5-5420-209-12-1 May Floating Bridge

Transporter SC 3433-90-CL-N04 Jun Torch Outfit, Cut-SC 7360-90-CL-N02 May Field Range

TB 55-1520-221-20-9 Jun One-Time Inspect Crosstube Assys Cobra Aircraft TC 11-2 May DIG IT-M764 Earth Borer

TC 44-71-1 Jan Redeye . How To Use It

#### NEW MOVIES

MF 20-5896 Motorcycle Safety Tips RD 54 Progress in Communications
TF 8-4790 M.U.S.T. —Multipurpose Shelters. PART II - Disassembly and

TF 46-4858 Aviation Armament Maintenance Safety
TVT 6-1 14.5 Field Artillery Trainer M31



Savonara, MWO blacklog blues. Using units won't sing you anymore.

A new modification work order program, effective 15 Aug 75, lifted the MWO monkey off the back of user commands and using units. It's now riding the shoulders of the U.S. Army Materiel Command (AMC) and it's sub- the user command. commands.

take on the added service of planning, paying for, AR 750-1 will go into greater detail.

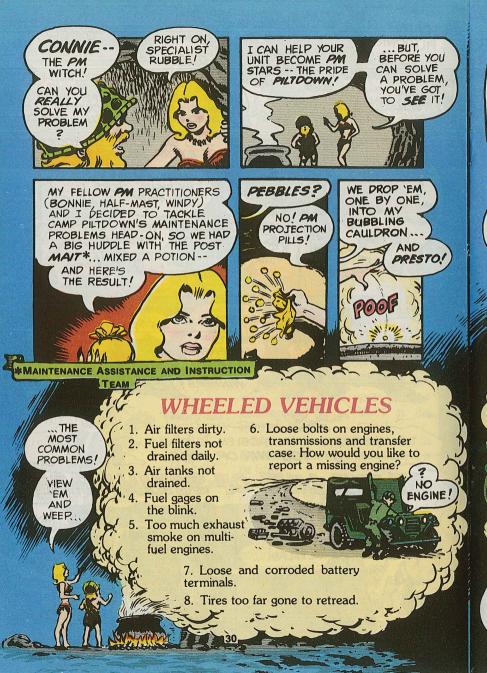
scheduling and applying MWO's on that equipment.

Purpose of the new plan is to get rid of the MWO backlog and to keep it from building up in the future.

AMC personnel and their agents (contractors, etc.) will apply the MWO's through schedules to be set up with user commands (TRADOC. FORSCOM, etc.). In cases where user command personnel are used, MWO expenses (other than military pay and allowances) will be returned to

The official word is Department Army Letter AMC is the command which supplies most of DALO-SMM-F (17 Jul 75), Subject: Modification the equipment you and your unit use. Now, it'll Work Order Program. An upcoming revision to





1. Tracks too tight or too loose.

2. Bent or broken track center guides.

3. Engine and transmission oil overfull or below "ADD" mark.

Dirty air cleaner ... BUT NO elements. MATTER!

THE PROBLEM WILL STILL BE LACK OF PM!

O, FIDOLE!

TIME-SYNC

PARTICLE WAS IMPURE!

WEIRE

SEEING THE

PROBLEMS

AS THEY

WILL BE

IN THE

FUTURE!

5. Inside periscope

6. Loose mounting bolt on driver's seat.

surfaces cracked.

- 7. Loose battery cables. Holddowns loose, corroded, missing.
- 8. Electrolyte below plates.

No protection from the weather so the trailers get an old fashioned coat of rust.

. Water left in tanks.

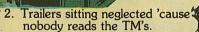
2. Filters collecting enough dirt to start a garden.

SARGE WANTED T'KNOW IF WE BEEN PAINTIN TH' RUST ON AT NIGHT!



SIR, I'D LIKE TO REPORT A MISSING

DRIVER !



3. Missing canvas, bows and straps.

'cause nobody took care of them.

CORRECT! BUT BEFORE I TOSS IN ANOTHER PILL, LOOK AT MY CAVE PAINTING!

3. Air hoses ruined, missing or

4. Compressors falling apart

even the wrong kind put on.

WOW! I CAN SEE MAINTENANCE PROBLEMS WON'T GET SIMPLER ... EH, CONNIE ?



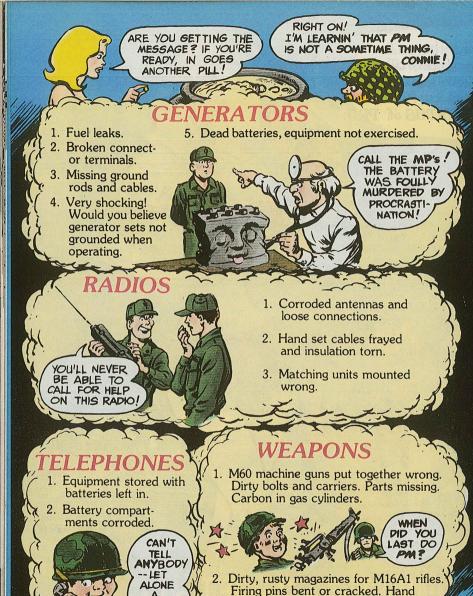
There's no denying it's so:
To keep your gear free from woe,
Good PM's the rule...
A soldier's best tool...
For earning the STATUS of PRO.



WE HAVE THE WORLD'S BEST EQUIPMENT ... To

IF YOU WANT TO DISPLAY THIS CENTERPIEGE ON YOUR BULLETIN BOARD, OPEN STAPLES, LIFT IT OUT AND P

care of it



PHONE!

guards damaged. Too much oil.

Check TM 9-1005-249-10.

#### M17/M17A1 1. Mask stored in carrier wrong. 2. No ID numbering system. 1. Broken or missing seals. 2. Markings unreadable. MOPE! THAT'S NOT 3. Missing mounting 3. Not enough filters on hand. brackets. GRAVY TASTES WHAT'D YOU FUNNY... SALT IT WITH? RUST ?? 1. Dirty and rusty field ranges. 2. Range rails not lubricated. WHEW! IS LITTLE THAT ALL, USED --YET! 1. Equipment due for HERE GOES THE SPECIAL MUCH calibration. ABUSED. MAKES ME PILL MAIT 2. Battery components REALIZE WHOMPED THERE'S A corroded. UP FOR A LOT OF PM FINALE! 3. DD Form 314 not CHORES TO CATCH UP kept up on ON ... equipment.





# 5-TON COMPRESSOR

YOU KNOW YOUR 5-TON TRUCK'S AIR COMPRESSOR'S NSN HAS CHANGED!

MY 5-TON TRUCK?.. WHAT AIR COMPRESSOR?



MAKE A

NOTE

OF THE

RIGHT

NSN IN YOUR

-20P TM

Your multifuel engine 5-ton truck no longer uses the air compressor listed under NSN 4310-00-439-6075 in TM 9-2320-211-20P (May 73). Instead, vou order under NSN 4310-00-863-3155. This'll be showing up in the -20P TM, but it's already an "O" coded item in your support's engine manual—TM 9-2815-210-34P (May 74). It's also in TM 9-2320-209-20P (Oct 72) for the 21/2-ton trucks and in TM 9-2320-230-20P (Apr 69) for the 8x8 5-ton multifuel trucks. The 2530 in the TM's is now 4310.

TM 211-SERIES 5-TON TRUCKS . . .

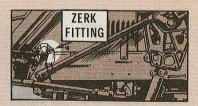
# DON'T MISS THE (LUBE) POINT



Out of sight, out of mind-and out of lube. That's the story on the steering drag link relay lever in these 5-ton trucks.

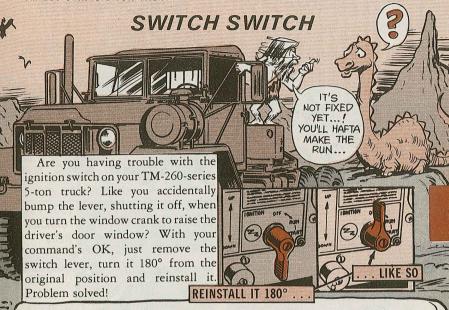
It's kinda hard to see, up there, but it's important. Without lube, you can end up with bushed bushings and repair work.

Be sure to hit it every 6 months or 1000 miles, just like it says on page 3 of LO 9-2320-211-12 (Jun 72).





TM-260-SERIES 5-TON TRUCK . . .



# NSN UPDATE

make in your parts manuals on 0370 to -00-880-7745. automotive equipment:

page 30, Light, Indicator, from 6120- from 2590-490-0774 to 2540-00-933-725-7021 to 6210-00-478-9003.

TM 9-2320-209-20P (Oct 72), page 260, Nut, Cap, Right Dual Wheel, page 504, Arm, Windshield Wiper from -693-1029 to -00-359-1162; page Blade, from -844-5511 to -00-050-354, Hook, Tailgate Pin, from 2540-740-9019 to 4030-00-948-7315.

TM 9-2320-211-20P (May 73), page 2-21, Element Assy, Air Cleaner Filter, from -134-4657 to -00-157-3326; page 2-134, Shackle, Rear, from 740-9522 to -00-740-9523.

TM 9-2320-212-20P (Mar 72), page.

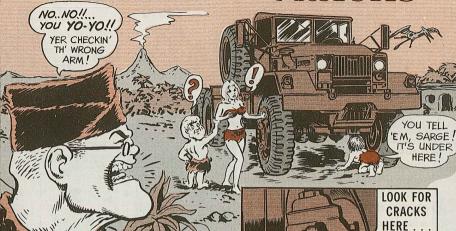
Here're some NSN corrections to 102, Nut, Plain Hexagon, from -012-

TM 9-2320-244-20P (Nov 71), TM 5-3810-233-20P (Nov 70), page 78, Clamp, Battery Holddown, 3300.

TM 9-2320-260-20P (Nov 72),



# STEERING ARM CRACKS



If you haven't already, add the steering arm to the daily checks you make on your 10-ton truck.

Older arms weren't properly heat treated. They may crack—and then break. And that's a lot of truck to be driving with no steering control.

You'll need to take off the dirt and crud with a wire brush to get a good look at the 2 places you're most likely to find cracks—inside the sharp bends. Check 'em before and after operation, and at every stop during a march.

If you find a crack, no matter how small, notify support right away that you need a new arm. And don't use the vehicle except for emergencies.

The new heat-treated arms are identified with 1 or 2 letters ("A" thru "Z," or "AA" thru "ZZ") stamped into the metal on the outside of the large curve. These are less likely to crack, but keep checking them, too.



IT COMES UNDER THE

SAME NSN AS THE OLD ONE

YOU TELL

HERE!

... AND

HERE!

M151A2 1/4-TON & M718A1 AMBULANCE . .

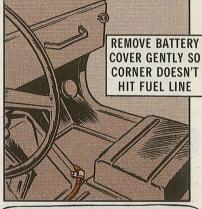
# FOILING FUEL IINF FRAYS

Right around the battery box, that fuel line can take a real beating if it's not protected. Put a loop clamp (NSN 5340-00-779-5620) on the right lower transmission cover bolt to hold the fuel line away from the battery box cover. You can bend the line slightly to make sure it'll stay out of the way.

If the insulation's already frayed, wrap it with electrical adhesive tape before clamping it.

Use a little care when you check the battery. Remove the passenger seat completely, just like it says in para 3-14, page 3-43, of TM 9-2320-218-10 (Sep 71). Page 34 of Change 2 (Nov 74) is wrong, and the next TM change or revision will make this correction. The battery box cover won't hit the line if you lift the cover gently and replace it carefully.





# LOCK WASHERS MISSING?

Better check the mounting hardware for the windshield wiper motor on your M151A2 and other late-model TM-218-series 1/4-ton vehicles. Some are missing the lock washers-Items 5 and 17, Fig 22-9, TM 9-2320-218-20P (Jan 72). Washers are listed on page 211-NSN 5310-00-209-0786 for the 1/4-in

and NSN 5310-00-728-2044 for the 1/16 - in.



# TOOL KIT CALLOUT . . . HAMMER, HAND: ball peen; forglas hndl,

If you're playing the PM game straight, you're using the right tool—and no flaky ones—on every job. Even so, tools wear out, get damaged, chipped. broken, and have to be replaced. Like those in your

> GENERAL MECHANICS-AUTOMOTIVE TOOL KIT LIN W33004 NSN 5180-00-177-7033

SC 5180-90-CL-N26 (Aug 74) supersedes SC 5180-90-CL-R16 (Jun 70) and is the last word on the kit.

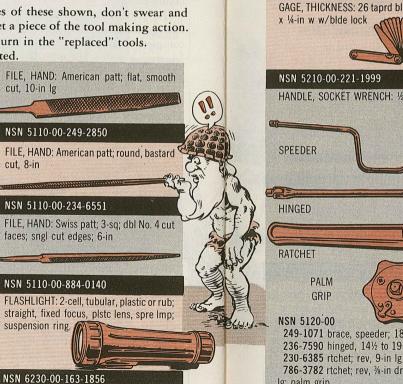
Here's a list that shows 'n' tells what tools you should have in the tool kit. and what they look like.

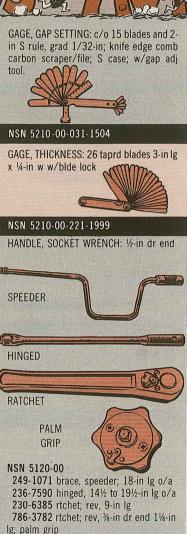
'Course, if they aren't carbon copies of these shown, don't swear and sweat because several manufacturers get a piece of the tool making action.

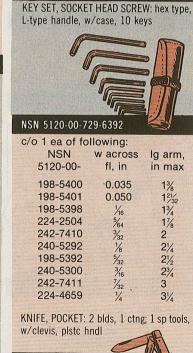
To keep your tool kit up to snuff, turn in the "replaced" tools.

You get 1 each unless otherwise noted.









NSN 5110-00-240-5943

la arm.

in max

1%

121/

13/4

1%

21/4

21/2

23/4

3

31/4

polished face 1-lb.

NSN 5120-00-061-8543

NSN 5110-00-595-8325

HANDLE, FILE, WOOD: 41/8-in lg; 1-in dia



#### NSN 5120-00-221-1536

PADLOCK: pin tumbler; 9-in chain w/clevis; 2 keys, case

#### NSN 5340-00-682-1508

PLIERS DIAGONAL CUTTING: reg nose; w/strip notch, slve opn, skinng hole; 7½-in lg.

#### NSN 5110-00-222-2708

PLIERS, SLIP JOINT: hose clamp 7%-in



#### NSN 5120-00-537-3375



PLIERS, SLIP JOINT: strght nose, comb jaw w/cutters; 8-in

#### NSN 5120-00-223-7397

PLIERS: round nose, w/cutter 7-in



PUNCH, ALIGNING: 3/16-in pt 8-in  $\lg$ ; % in dia

#### NSN 5120-00-293-0448

PUNCH, CENTER SOLID: 5/32-in tapered pt; 4-in lg; % in dia

The state of the s

#### NSN 5120-00-293-3509

PUNCH, DRIVE PIN: standard pt; 4-in lg



NSN 5120-00	Size No.	Dia of Pt	Min pt lg
242-5966	3	½ in	3/4 in
240-6083	7 .	1/4 in	1 in
273-0001	9	% in	1 in

PUNCH, DRIVE PIN: solid (starting), %-in pt; 4½-in lg

#### NSN 5120-00-242-3433

PUNCH, DRIVE PIN: brass; strght type, 10-in lg o/a, 34-in dia

#### NSN 5120-00-239-0038

ROLL, TOOLS AND ACCESSORIES: O.D. cot w/flap; 11 pckts; 14¼-in x 14¼-in o/a



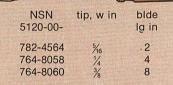
NSN 5140-00-177-6928

#### RULE, STEEL, MACHINISTS: 6-in

#### NSN 5210-00-182-9656

SCREWDRIVER: gen purpose, flrd sides; plastic hndl; med hvy dty rd blde; flat tip; %-in female sg dr insert





SCREWDRIVER: Phillips, cross tip; plastic hndl; %-in female sq dr insert



	5120-00-	size	lg in	lg in
SUMPIN'	764-8080 764-8097	No. 1 No. 2	3 4½	3½ 3½
HERE!	764-8102	No. 3	6	41/3

SCREW, STARTER, HAND: Comb Phillips and stght slot; rotating wedge grip; 9/32-in dia tips; 7 3/16-in lg

NSN 5120-00-832-6221

# SHEARS, METAL CUTTING, HAND: comb;





SOCKET, SOCKET WRENCH: ½-in sq dr; 12 pt; reg lg



NSN	nom open
5120-00-	ing, in
237-0982	3/8
189-7924	7/16
237-0984	1/2
189-7932	9/16
189-7946	5/A
235-5870	11/
189-7985	3/4
189-7933	13/
189-7934	/16 7/8
189-7935	15/
189-7927	/16 1
189-7913	11/16
189-7914	11/8
100 1014	1/8

SOCKET, SOCKET WRENCH: attach univ joint 2%-in Ig; ½-in sq end



#### NSN 5120-00-269-7971

SOCKET, SOCKET WRENCH: spark plug; deep style, 3½-in Ig; ½-in female sq dr; %-in 6 pt hex opng; for 18-MM Mil Stan spark plugs.

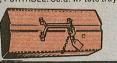
NSN 5120-00-199-6996

SOCKET, SOCKET WRENCH: spark plug; deep style, 31/4-in lg: 1/2-in female sq dr: 13/16-in 6 pt hex opng for 14-MM Mil Stan spark plugs



#### NSN 5120-00-945-4704

TOOL BOX, PORTABLE: So.d. w/tote trav. 2pc hndl



#### NSN 5140-00-498-8772

WRENCH, CROWFOOT: 10-in lg



NSN 5120-00-795-0895

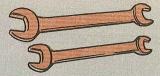
WRENCH, OPEN END. ADJUSTABLE: hvv dty, rack and worm adj; 221/2° head



NSN o/a la. 5120-00max in 264-3795 61% 449-8083 10%



WRENCH, OPEN END, FIXED: dbl head;



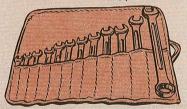
NSN 5120-00-	Wrench opng, in	min o/a
277-2342	3/8 X 7/6	41/8
187-7124	½ x %	53%
277-8301	5/8 X 11/16	7 ~

WRENCH, SPANNER: adj hook, fixd pivot pt; 34-in to 2-in dia cap; 634-in lg



#### NSN 5120-00-288-6468

WRENCH SET. COMBINATION BOX AND OPEN END: 15° offset box; plastic roll



#### NSN 5120-00-148-7917

c/o 1 ea of following:

NSN 5120-00-	wnch opn, in	min o/a lg, in
228-9503	5/16	31/4
228-9504	3/8	43/16
228-9505	7/16	5
228-9506	1/2	51/4
228-9507	9/ <sub>16</sub>	5¾
228-9508	5/8	61/8
228-9509	11/ /16	7
228-9510	3/4	8
228-9511	13/ /16	101/4
228-9512	<b>½</b>	101/4
228-9513	15/ /16	12
228-9514	1	121/2



Dear Editor.

A mechanic using a wrench plier instead of an open-end wrench because his tool box was out of reach can screw up your PM program in a hurry.

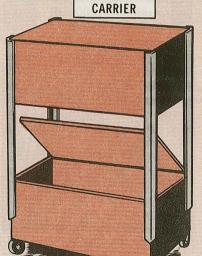
Our unit mechanics find it easier to use the right tool for the right job with this handy roll-around tool carrier.

Weld angle iron on the 4 corners of 2 battery boxes from 21/2-ton or 5-ton vehicles in the boneyard. Leave enough space between the upper and lower boxes for easy access to tools.

Mount the unit on 4 swivel casters. NSN 5440-00-598-6368. Use CTA 50-970 as your authority for these.

If you fabricate scrap metal covers for the battery boxes, a mechanic can keep his foul-weather gear and special tools with him. Just be sure he adds a hasp and lock for protection of items signed out from the unit tool room. Position the top box high enough to open 'n' close the lower box cover.

> MSG G.H. Chapdelaine 187 Sep, Inf Bde Springfield, MA



TOOL BOX

(Ed note-Great idea! Having the right tool at your right hand will cut down on do-over work, spare parts replacement. Makes moving those heavy tool boxes a heap easier, too.)



Togetherness can make for a sweet pair, harmoniously in tune—just a real and amplifier together are the cool couple.

Yessiree!

RT-662 or -834 receiver-transmitter



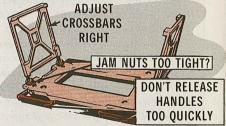
when it's teamed up with the AM-3349 amplifier. These components get used to each other.

So, keeping 'em together is a must even when only one of 'em needs repair . . . especially when alinement is being done. Alining either the RT or amplifier with a substitute partner can cause overheating when buddied up again with the regular sidekick.

Other things that help keep the RT crossbars of the MT-3140 mount.

Always keep the units securely tied That's the way it can be with your together, especially when used in the Gama Goat. Wrong adjustment of the crossbars can let the RT and amplifier bounce out of the rack.

> To keep the bars from crossing you up, see to it the jam nuts are adjusted like it says in TM 11-5820-520-12 (Feb 71). If they're too tight, the release handles can be cramped for space and get hung up on the guards.



Keep in mind you pull and twist the release handles together and let go gentle-like. Turning loose too quickly lets 'em slam into the guards. This can leave you with a busted guard.

ANTENNA NEEDED FOR TUNING

Ah, ah, ah—Don't touch that knob!

Keep your hands off the OFF-ON-TUNE knob on your AN/PRC-74() radio set unless the antenna is connected.

nothing will happen. But a slight flick of the wrist can put the radio in the TUNE position.



Without an antenna the set's power amplifier transistors get zapped when the ON-OFF knob's in TUNE.

So, hook up your AS-1887()/PRC Sure, you can turn the set on and 74, slant wire or dipole antenna before turning on your radio.



Info for making the antenna connection is in TM 11-5820-590-12 (Mar 66) and -12-1 (Mar 67).

# TIP OR TWO ON AN/VSC-2

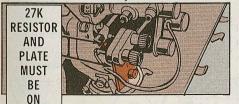
AN/VSC-2 radio teletypewriter set are A-OK except for the TT-4C/TG teletypewriter?

The teletypewriter's a major component of other configurations that do not require all the parts the teletype does when it's tied into the VSC-2.

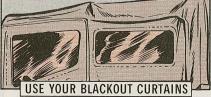
So, before taking that teletype out for repair, remove the cover and eyeball the TT-4C's innards for the 27k resistor and plate. Without these changes.

You say all the components of your items the TT-4C doesn't operate, giving the impression it needs maintenance. But maybe all it needs is a resistor and plate.

> And, when you have security gear tied in with your teletype set, and you're wanting new blackout curtains, use NSN 5820-00-057-7073. That's for the blackout kit, which is a part of the installation kit in para 1-9 of TM 11-5815-331-14 (Feb 67), with



SET



## **AIRING YOUR ANGRY-103**

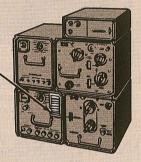
Dear Half-Mast.

The blower motors in our AN/GRC-103 radio sets fail before their time. What gives?

If you have any PM tips that'll help us extend the lives of these motors, we would sure like to know about them.

SP5 K.T.

CLEAN AIR FILTER WEEKLY





Some motors are not up to snuff, so they konk out before their time. These are being replaced by better motors that'll do the job for you-and last longer, too.

However, the big thing with the blower motor is to keep the air filter clean so the motor'll stay cool. And, holding down the heat's easy enough when you change and clean the filter weekly, like it says in para 5-6 in TM 11-5820-540-12 (Dec 67), Ch 3. Change more often if necessary.

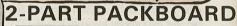
#### Dear Half-Mast.

What's the stock number for the carrying frame or packboard pictured on page 6-26 in Ch 2 to TM 11-5820-667-12 (Jun 67)? It's used as a backpack for the AN/PRC-77 radio set and TSEC/KY-38 security equipment.

SSG T.E.B.

Dear Sergeant T.E.B.,

The packboard goes by NSN 8465-00-935-4732. The modification kit goes by NSN 8465-00-935-4737. Both of these items come as a single item as NSN 8465-00-935-4732.







## SLEEVE SPLICE IS TWICE AS NICE



A GOOD SPLICING JOB'LL FIX YOU JUST LIKE NEW!



Dear Half-Mast,

My outfit recovers the WD-1/TT field wire after the wire has been used during a field problem. We splice the wire so we can use it over and over.

I have just about run out of the small splicing connectors that come with the MK-356()/G wire splicing kit and I need to know how to get more of 'em. Sergeant E.R.M.

Dear Sergeant E.R.M.,

The copper connector or splicing sleeve goes by NSN 5940-00-818-1774 in SC 5975-91-CL-D01 (Jun 65). They're 3 cents each. Reload your magazine with the sleeves and save that wire.

Even though the sleeve is selfweatherproofing when it's crimped, play it safe by putting a couple or 3 wraps of electrical insulation tape around the splice. Hall-Mast



HE'S NOT GONNA PUT ON ME. T

MAST BASE AB-15/GR

Dear Half-Mast,

How do we get the bracket and the brush guard used in mounting antenna base AB-15/GR on a 1/4-ton truck? We can't find any listing.

SFC J.N.

Dear Sergeant J.N.,

Go after the bracket with NSN 5985-00-893-0917, Base, and the brush guard with NSN 5820-00-937-3174, Antenna Brush Guard Kit.

You'll find these stock numbers in



the new radio installations pub, SB 11-131 (Sep 74), on page 5-9. NSN 5820-00-937-3174 gets you 4 pieces of small mounting hardware and an installation drawing, plus the brush guard.





their hands—the tab on Huey cargo temporary fix. door slider replacements is running normal!

But you crew chiefs can solve the the slider. problem.

rotate the slider 180 degrees to double

The supply types have a mystery on the wear out of it, but that's a

A door out of adjustment causes the over 3 grand a month . . . 'tain't slider, rather than the rollers, to carry the load. You get abnormal wear on

So-o-o-o, follow the detail door The doors have to be adjusted right adjustment poop in para 4-13e of TM to get normal wear out of slider, NSN 55-1520-210-20 (Sep 71) during your 1560-00-872-7860. Sure, you can inspections . . . it's the only solution.



Dear Windy,

FM 55-14 (Oct 74), on transporting of aircraft, tells about loading the Huey into C-141 aircraft.

The ground-handling wheels have to be modified to a single wheel type, located inboard on the skids, to fit on the loading ramp.

Where do we get the materials and know-how, Windy?

SFC R.W.S.

Dear SFC R.W.S.,

It's true that the wheels won't fit the loading ramps on the C-124, C-130 and C-141 aircraft. No sweat, tho. You don't have to make an adapter.

You are authorized a certain number of flyaway items which support the birds in your flock.

In this case, you want—wheel loading adapter kit, NSN 1730-00-140-4364. It's shown in Fig F-13 of TM 55-1520-210-20P.

NSN 1730-00-140-4364

WILL GET YOU AN ADAPTER KIT

By the way, you'll find more shipping poop on your UH-1 in TM1-UH-1-S (Mar 69), with Ch 9 (Jul 74).

AND THANKS FOR A GOOD QUESTION, BUDDY



Loading your Cobra (AH-1G) in a C-130 aircraft for an airlift can present a bit of a problem—not enough clearance for the ground handling wheels.

You need to fabricate a wheel fitting assembly to move the wheels further inboard on the skids. You'll need drawings No. 1730AH1-001, and 002, code 81996, from your local AVSCOM tech assistance office, or:



Commander US Army Aviation Systems Command ATTN: AMSAV-ZDT PO Box 209 St. Louis, MO 63166

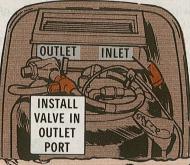




engine oil system of an OH-58A. Kiowa mechs?

Fine . . . just as long as you don't install valve, NSN 4820-00-131-6398, in the oil cooler inlet port on an oil cooler change. It goes in the outlet port.

Murphying the valve won't do your bird any good. No sweat on a blower change—you don't remove the valve.



# **GOOD FLOW**

THEN CHECK THE ENGINE OIL

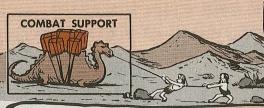
SUPPLY LINE! So you're a mighty sharp Kiowa mech and you're concerned about fluctuating engine oil pressure. Maybe the oil flow is restricted?

Check the engine oil supply line. It can get pinched or twisted and raise all kinds of havoc.

If you spot a pinch or a twist, replace the damaged line. In making the replacement, take care that the narrow area at the gearbox is not twisted or

When you fasten the broad end at the firewall, avoid twisting the hose as you tighten the nuts.

CAN GET DAMAGED HERE pinched.



# 10,500-LB SCOOP LOADER STOPPING A BRAKE **PROBLEM**

#### Dear Half-Mast.

We're having trouble with the brakes on our 3000M scoop loaders with forklift. There's no inspection of the brake linings called for in TM 5-3805-243-15, so the equipment is run until the brakes are so worn that the drums have to be replaced.

Shouldn't the brake linings be inspected periodically?





Dear SFC T.H.,

Absolutely! That TM for this equipment is a commercial manual adopted by the Army. It's a little shy on some standard Army procedures.

While your forklift is in for 500-hr service, pull off a wheel and look at the brake linings. If they're worn to 1/16 inch or less above the lining rivet head, replace all the linings on that

Half-Mast

# **GENERATOR** OIL CHANGE

filter change interval on all diesel engine generator sets 15KW thru 200 KW has been extended from 100 hours to 300 hours or 6 months whichever comes first.

Your command got the word on this in USA-TROSCOM MSG AMSTS-MMG 211700Z March 75.

This means you'll want to look You got the word. The oil and oil those units over a lot more often and more carefully ... and remember one thing: You still change the oil and filter anytime there're signs of contamination—regardless of the hours or time since the last change.



# **CRANE FORM-FORM**

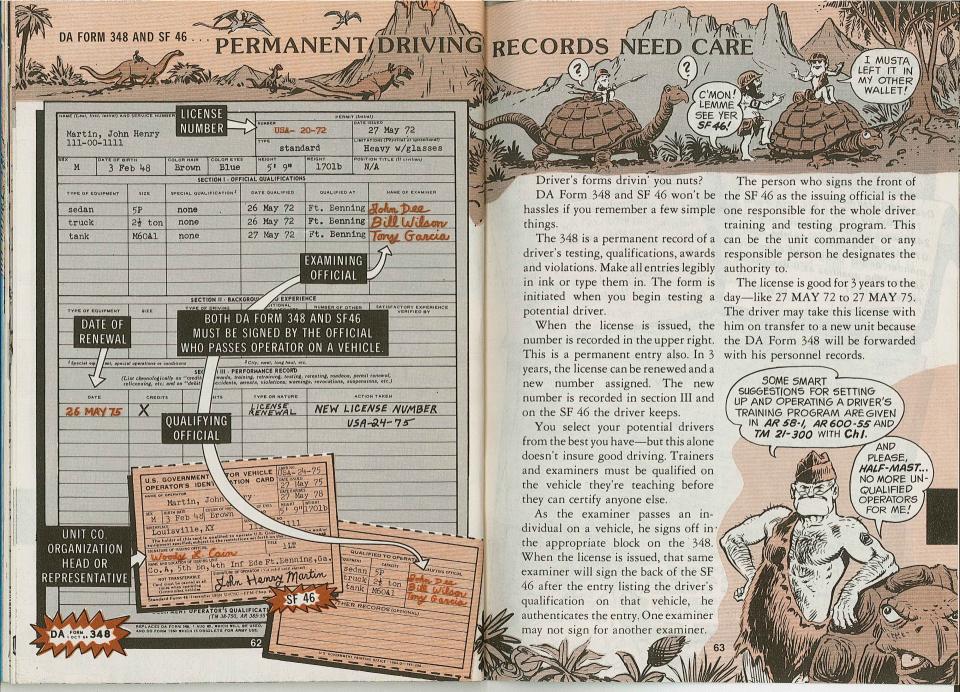
Equipment with 2 engines—like the 20-ton rough terrain crane—calls for some fancy form-work. Sure, you keep the logbook forms you see in Appendix E of TM 38-750 for that equipment. But there's more. If both engines are covered by the same LO, you're right on with Appendix E. But if the engines are covered by different LO's, keep 2 DD 314's and 2 DA 2408-1 dailies, one for each engine.

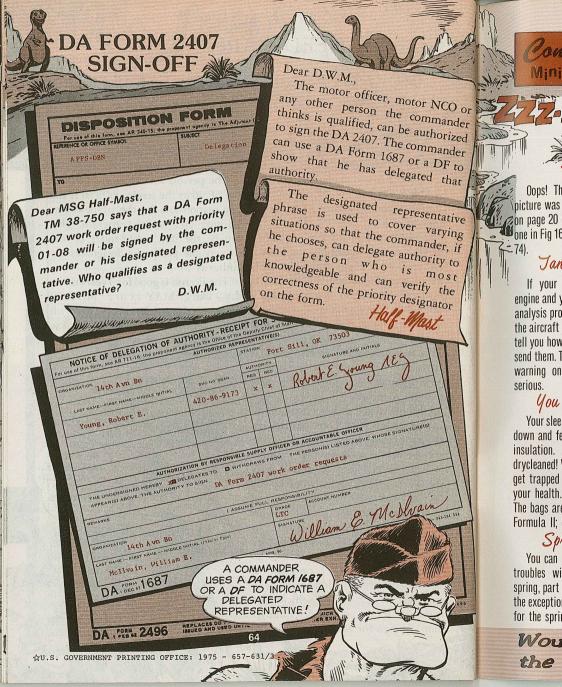
# **BOTTOM IN-**TOP OUT

Your 50-GPM filter separator, Bendix Model 050584, may not be labeled to show which is the fuel Inlet and which is the Outlet. The top connection is the outlet; the lower one is the inlet. Stencil 'em that way.









Connie's
Mini Mini's

HEY, CONNIE!... I GOT A MAINTENANCE PROBLEM I CAN'T KEEP MYRTLE AWAKE!

77.222

# Redeye Switch

Oops! The information was right but the picture was wrong in that Redeye switch article on page 20 of PS 274. The switch should be the one in Fig 16, Item 3, of TM 9-6920-428-34P (Mar

# Jankers Jo Sample Oil

If your vehicle has an AVDS 1790-series engine and you're in CONUS, you're part of the oil analysis program that's been working so well for the aircraft jockeys. TB 43-0210 (28 Aug 75) will tell you how to take the oil samples and where to send them. The oil analysis will give you advance warning on engine problems before they get serious.

# You May Never Wake Up

Your sleeping bag keeps you warm because its down and feather filling traps and holds air for insulation. This is why it must never be drycleaned! Vapors from the cleaning solvent can get trapped in the bag and kill you or damage your health. TM 10-8400-201-23 has the word. The bags are to be laundered as per TM 10-280, Formula II; or TM 10-354, Formula G.

# Springier Goat Brakes

You can help stop your Gama Goat stopping troubles with a new improved brake return spring, part number 12250112. You'll need to use the exception data route until an NSN is assigned for the spring.

### 10-Jon NSN Doubletake

Forget the 10-ton truck NSN correction on page 6 of PS 272. NSN 5365-00-203-7298 will still get you that magnetic plug. The number's correct as printed on page 56 (listed 2 places) of TM9-2320-206-20P (Dec 71) w/Ch 1 & 2. Only the part number changed—from MS49005-14 to 8332743.

## MHE TO JACOM

All materials handling equipment (MHE), Group/Class 3900, is now managed by the US Army Tank-Automotive Command. Send your EIR's (DA Form 2407) and DA Form 2028's to:

Commander US Army Tank-Automotive Command ATTN: AMSTA-M Warren, MI 48090

In case you missed the word, construction equipment is now TACOM-managed, too.

# Timing Gage Inspection

It's spelled out in TB 43-0196 (Sep 74). Small arms timing gages NSN 4933-00-535-1217 and 4933-00-731-9928 must be inspected every 12 months by your maintenance support. And, the inspection has to be noted on the DA Form 3023 that's kept on your gage. Be sure the Form 3023 goes with the gage when it's turned in. Your unit has to keep the form on file.

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

