

24-35

45-63



TRY THESE ON

HOW.

SUGGESTION

MAKE YOUR POINT WITH THESE . . YOU'RE REALLY UPTIGHT, TIGER ... WHAT'S BUGGIN' YOU ?

> I'M ZAPPED, BONNIE ... IT'S THEM PUBS.

MISTAKEN INFO

EQUIPMENT FOUL-UPS, ETC... WOT DO I DO?

What's your hangup?

MANUALS-If there's missing, misleading or downright mistaken info in your maintenance and supply pubs, crank up a DA Form 2028.

Send it to the crew that made the mistake—as identified near the front of the manual.

EQUIPMENT—When your hangup is an equipment problem—design, manufacture, maintenance or whatnot—that can't be cured by normal repair or adjustment, fire in an EIR (as spelled out in TM 38-750) on DA Form 2407.

FRESH CASH—Could be you've found an answer to the problem? Then you may be able to collect cash for it by jotting details of your solution on DA Form 1045. Read all about it in AR 672-20. Send your suggestions to your command's incentive awards committee.

Do you react negatively to forms?

Then, write a note—any size, shape or color as long as it says what you want to say—and mail it to the outfit responsible for the pub or equipment.

And if you've got something hot, try your hot-line phone.

PREVENTIVE MAINTENANCE MONTHLY

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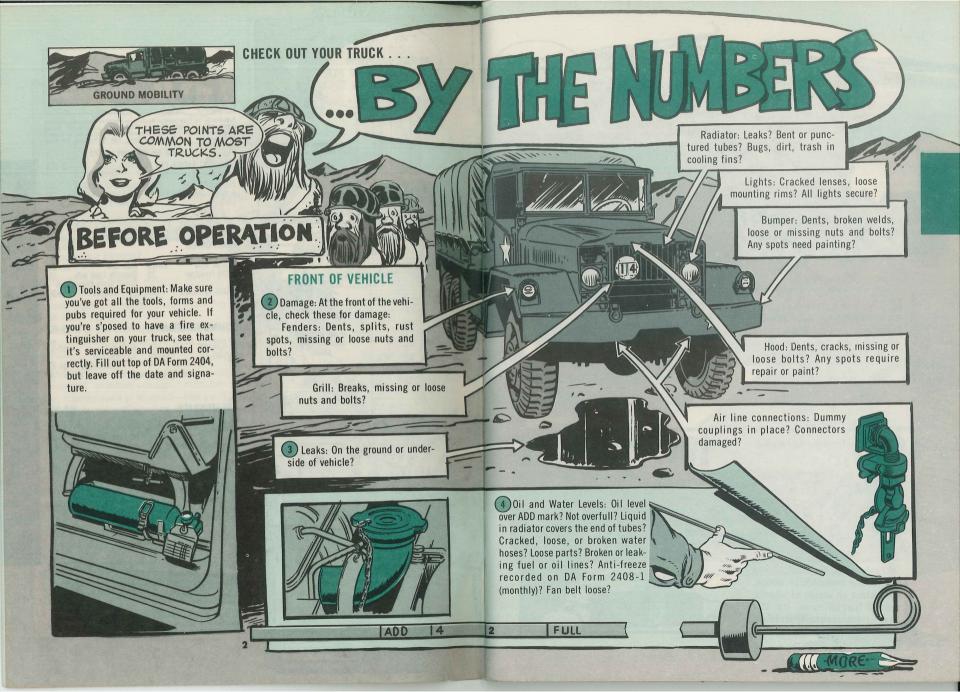
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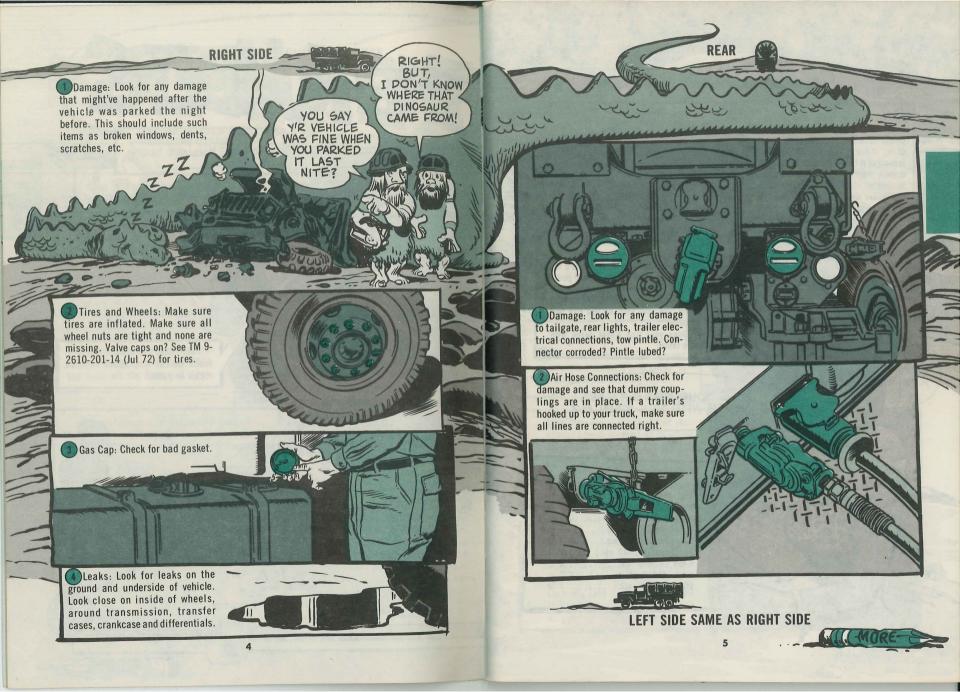
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PS wants your ideas and contributions, and is glad to answer your questions. Mame and address are kept in confi-dence. Just write to:

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FROM HERE, IT LOOKS LIKE A DEFINITE DRIVE SHAFT PROBLEM. I GUESS Y'R RIGHT...
THEY DON'T HATCH'EM
LIKE THEY USE TO.

3 Unusual Noises: Run your engine at a fast idle (do not "race" or "gun" it) and check under the hood. If you hear any strange noises, turn off the engine quick and report the trouble. If your oil gage doesn't show pressure within a few seconds, shut down and get a mechanic on it.



4 Engine controls: Check your accelerator, throttle and choke to see that they're working right.



VERY STRANGE... I STEP ON THE ACCELERATOR AND THE HORN BLOWS.

5 Instrument check: After your engine's been warmed up by idling for about 3 minutes, check the instruments like so:

Oil pressure: When your engine's idling, oil pressure should register not less than 15 pounds. Pressure means your engine oil pump is working. But, remember, oil pressure does not mean the crankcase is full! Pressure readings may go up or down as engine speed is increased or decreased, but a sudden drop or uneven change of pressure signals trouble. Stop the engine and find out what's causing it



Battery-generator indicator: With switch ON (engine not running), needle should settle up in the yellow panel; with engine running at high idle (about 1,500 RPM), needle should stay up in the green panel (at the nub).

Tachometer: It should be registering the RPM of the engine.

Fuel Gage: Your fuel gage should show full.

Air brake pressure gage: This tells the pressure you need to operate your brakes (100 to 105 PSI for 2 1/2 and 5 ton trucks).

Temperature gage: Normal range is from 160 to 180 degrees.

Safety Devices:

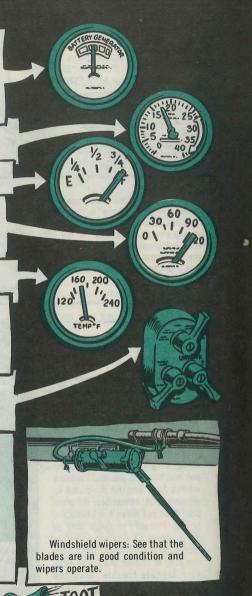
Air Pressure Warning Buzzer: You should hear it buzz until your operating pressure reaches 65 PSI. Never move your vehicle until the warning buzzer has stopped.

Lights: Make sure they're all burning, both high and low beam, and that tail and stop lights are OK.



Mirrors: Make sure the mirrors are not damaged. Adjust for driving.

HORN: For your own good, give a hoot for your toot



DURING OPERATION

There's no set time for making your during operation checks. You should keep tuned in for trouble all the time you're operating.

WHILE DRIVING

Brakes: Make sure all wheels are braking the same—no pulling to one side or the other. Watch for any unusual loss of pedal pressure when you apply the brakes.

Odd Noises: Keep a sharp ear for any unusual noises in the engine, clutch, transmission, transfer case, drive shaft and rear end.

Steering: Be sure there's not too much free play in your steering wheel. Notice any hard steering, wheel wobble or wandering of your vehicle from side to side. If you think something's wrong, stop and check.

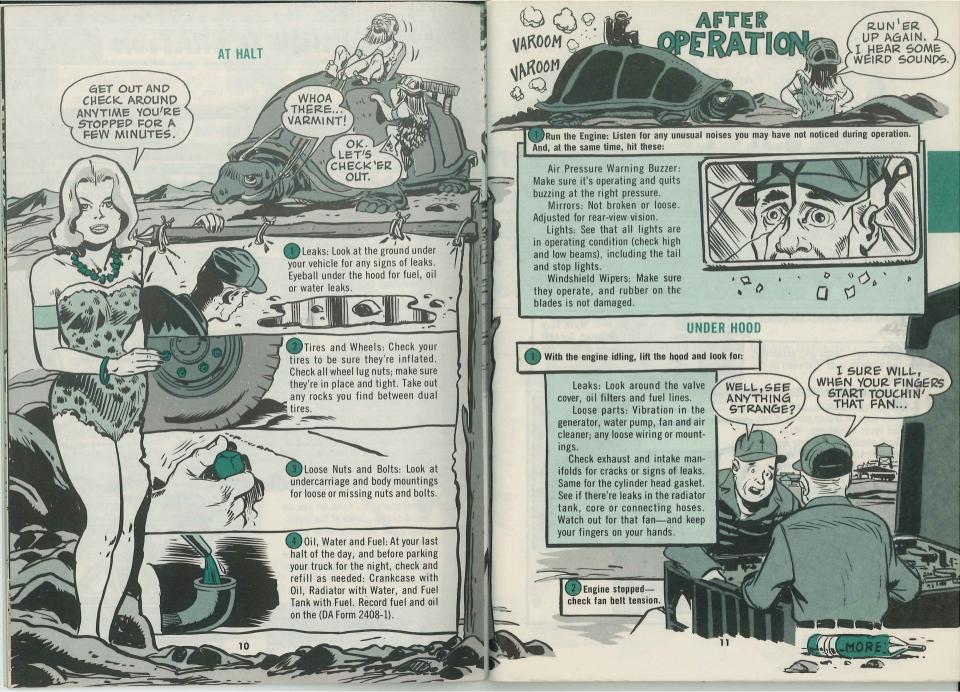
Clutch: There should be no slipping or chatter when your clutch starts to engage. Never "ride" the clutch keep your foot off the pedal when you're not using it.

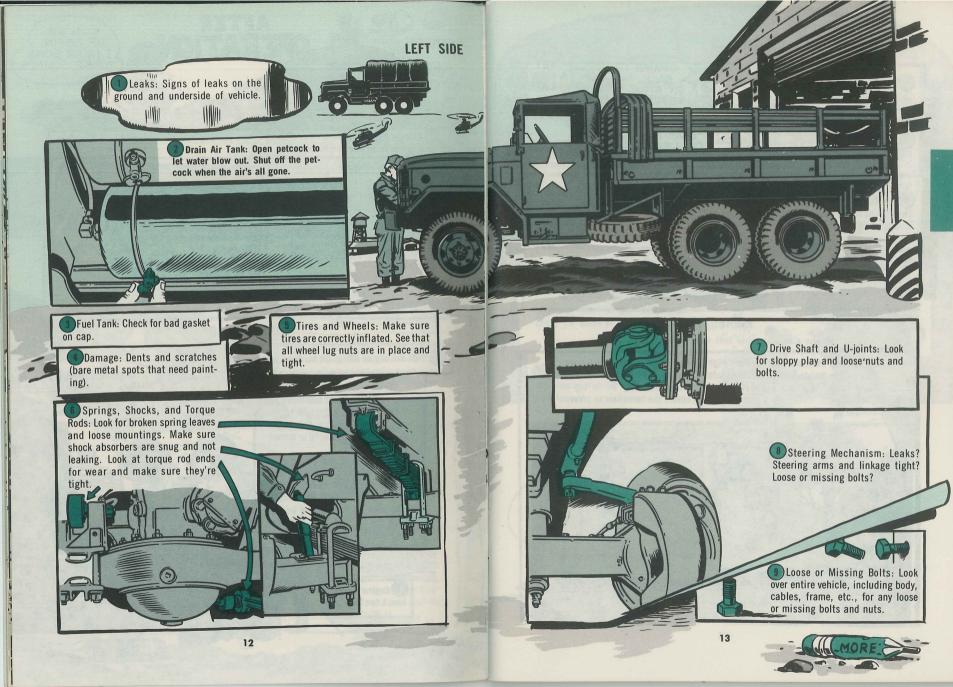
Engine Operation: Be sure your engine runs smooth at all times. Listen for any knocks or pings. Your engine should be hitting on all cylinders and getting fuel right. Report any trouble.

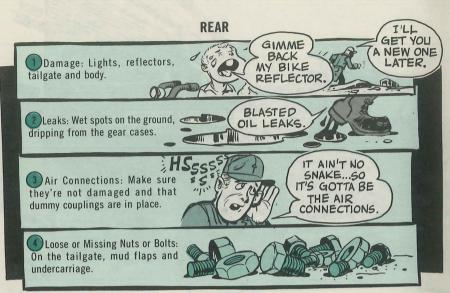


Instruments: Keep an eye on 'em. A casual glance at the instrument panel will help warn you of trouble. This goes for your oil pressure, charging system, engine RPM's, fuel, air pressure, temperature and road speed.



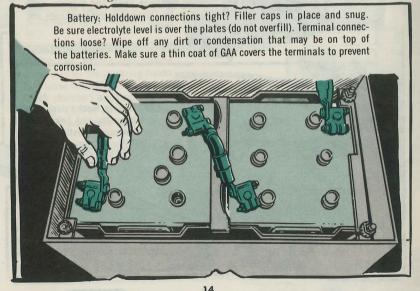






RIGHT SIDE

Right side same as left side except for . . .









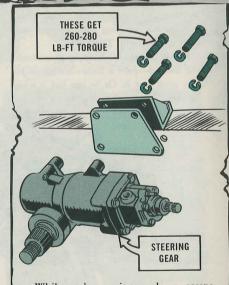
NOW. YOU MECHANICS

This's where you mechanics come in—with your torque wrench. First, though, get your support's OK to tackle the job. The steering gear and mounting parts are in DS territory. If they give you the nod, go at it like this:

Take off the radiator so you can get at the bottom front mounting screw. Now loosen all 4 screws just enough to take off all torque. Then tighten 'em back down to 260-280 lb-ft torque. That should do the trick.

But if the steering gear still won't hold snug after testing, the screw threads may be buggered or even stripped. Or the shucking around has wallowed out the holes in the frame.

If your DS gives you the go-ahead, take out the screws and look for damaged threads. New screws come under FSN 5305-836-8346. They're coded "F" in TM 9-2320-260-35P/1 (Jun 70), so your support'll have to get 'em for you.



While you've got it torn down, scrape off every bit of paint where the parts come together. This'll give you a good metal-to-metal contact when you put 'er back.



WRECKER WINCH PART

That ¾-in clevis clamp for your TM-211-series 5-ton medium wrecker truck (M62, M543, etc.) is now called "socket." You get it with FSN 4030-706-5553. This's shown as Item 13, Figure 109, TM 9-2320-211-20P (Mar 63). It's the same item listed as Clevis Assembly: ¾-in Cable in TM 9-2320-260-20P (Jun 70) for the M816 5-ton wrecker.



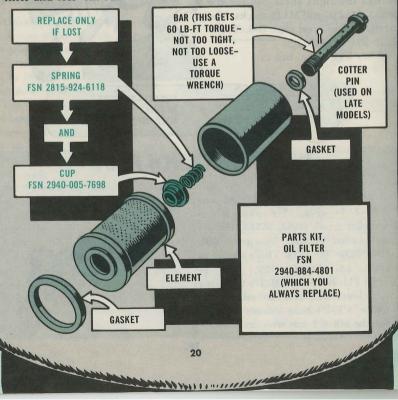


They're for all multifuel engine oil filters:

—Parts Kit, Oil Filter, FSN 2940-884-4801, listed in Ch 3 (Apr 70) to TM 9-2320-211-20P and in TM 9-2320-20P (Oct 72). This includes the filter element and gaskets you need—plus some gaskets you don't need.

—Spring, FSN 2815-924-6118 —Cup, FSN 2940-005-7698 NOT INCLUDED IN KIT

The spring and cup are in TM 9-2320-209-20P. You won't need new ones, though, if you're careful. Some guys don't know they're in the filter and toss 'em out with the old element.

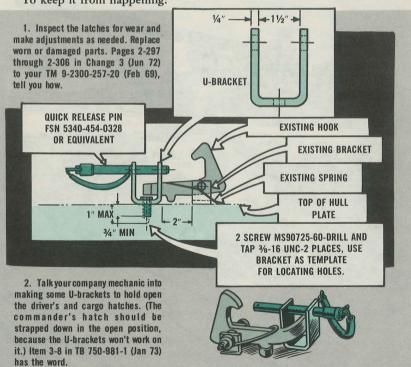


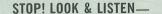


The driver's, commander's, or cargo hatch on your M113/M113A1 series carrier could give you a bad lump on the head—or worse—if it slips its latch at the wrong time.

Say you're going cross-country with the cargo hatch latched in the open position. If the latch lets go, somebody could get badly hurt, if he happens to be standing in the hatch opening.

To keep it from happening:





DIESEL ENGINE

If you haven't read the poop in TB 750-652 (Jun 70), now's the time to glue your eyes to it.

The PM message there for the 6V53, 6V53T and 8V71T diesel engines (found in a lotta track-type vehicles) is worth scads of dough, maybe even your own skin.

It's the word on good daily PM for you operators and the pulling of services by mechs that can mean long life for your engine.

You'll find things like the causes of overheating . . . and what dirt in the air and the fuel will do to your engine. Then, you'll read about slip-shod operations by some operators and sloppy PM services by some mechanics. And lots more, things you avoid like the plague.



A coupla tips you've got to keep in mind are:

- Watch the temperature gage needle during normal warmup. A sudden rise means shut 'er down, pronto. Get your mech to check 'er out before you fill 'er up with water and decide to take off.
- Are there signs of oil seepage down in the hull area? Could be it's due to a leaking engine. Check-see if the collection box is loaded with oil. If so, it means that a lot of low idling has done its dirt. Idling causes oil to shoot out the exhaust thru the air-box vent lines. It goes down into the box, where it overflows into the hull.

To help prevent that: When you idlewarm (for operation) or idle-cool (for shutdown) do it at 800-1000 RPM—no less.







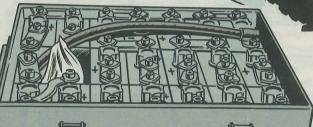


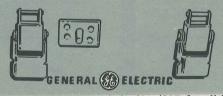
NO'MIX FOR BATTERY CELLS

Stop here a minute if you're about to request replacement cells for the BB-693/U battery used with your Vulcan ADA rig.

First off, new cells are in the supply system, so you no longer order the BB-600/A cell FSN 6140-842-0433 (Gulton); FSN 6140-881-6889 (General Electric), or FSN 6140-881-6887 (Sonotone).







Instead, you order FSN 6140-408-4937 for all batteries manufactured by General Electric, and FSN 6140-408-4936 for batteries made by Sonotone. The Sonotone cells may be marked either with "Sonotone" or "Marathon."

And there, of course, is the rub. You cannot and should not put GE cells in a Sonotone battery . . . or Sonotone/Marathon cells in a GE battery. The new cells are identical to those in the original batteries.

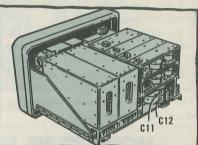
So, know which battery you need the cells for, and order just enough cells to rebuild the battery. Supply is tight.

VPS-2 SHORT FIX

If shooting is giving the shorts to your AN/VPS-2 radar set, here's a fix that'll keep your XM163 and XM167 Vulcan AA systems on target:

Disconnect the power supply cables to keep 'em from being twisted.

Take the radar's power supply from the case. Eyeball the C11 and C12 terminal lugs on the power transformer.



S-I-o-w-I-y bend the terminal lugs straight up with needlenose pliers.



Bending the lugs up allows the lugs to clear the case when you get vibration from firing the gun. No contact —no shorts—no sweat.



M109 SP HOWITZER





Cable assembly FSN 1240-864-0363 is its name and connecting is its game. It's the electrical link between the M146 mount and the M118 telescope in your M109 SP howitzer.

Now, the end that you're supposed to attach to the M118 can shake you up. It has no threads—even though the M118's connector has threads where the cable is supposed to fit. So what do you do?

Relax and forget all about the threads . . . they're not supposed to

screw into anything.

To connect the cable to the M118, you line up the keyway at the end of the cable with the key in the threaded connector on the M118 and push the cable in as far as you can. The friction will make it hang in there. No threads needed.



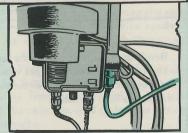
Lock an eyeball on item 2-21 in TB 750-911-2 (Feb 73) if slip ring failures on the M108 and M109 SP howitzers are knocking out your AN/VIC-1(V) intercom system.

The TB authorizes use of an additional CX-4723 (20-ft) cable assembly, FSN 5995-889-0757, or one of two cord assemblies as a temporary hook-up if the driver intercom goes out. It also spells out the hook-up.

One big caution: You've gotta be extra careful when traversing the turret with the temporary rig. Best bet is to disconnect it until it's necessary to talk with the driver.



BEST TO DISCONNECT THESE WHEN TRAVERSING TURRET

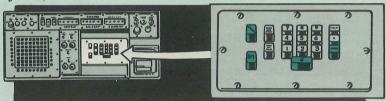


You can now get these replacement keys for your FADAC keyboard:

KEY	FSN
ENTER	1220-562-6708
RECALL	1220-562-8123
SM	1220-562-8403
0	1220-562-6699

When any of these wear out, you no longer have to replace the keyboard. Just order the keys you need.

The new items are going in a change to your TM 9-1220-221-20P (Jan 69).



BRUSH UP

Top notch M60 7.62-MM machinegunners score big on PM. They use the right tool for those before-and after-action cleanup chores.

"Jury rig" tools scar parts, skin knuckles, blow tops and cost money for damaged replacement items.

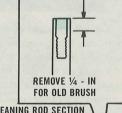
So, use the new receiver brush-FSN 1005-350-4100-with cleaning rod section, FSN 1005-726-6109. Or, cut or grind off 1/4 inch of cleaning rod so it'll fit good and tight on the old style receiver brush, FSN 1005-650-4508.



CLEANING BRUSH

1005-650-4508

NEW RECEIVER BRUSH 1005-350-4100



CLEANING ROD SECTION 1005-726-6109



Getting short-changed by your M60 7.62-MM machinegun when using the blank firing attachment? Like maybe you'll get off only 50 or 100 rounds before the automatic fire sputters to a single b-u-r-r-pht!

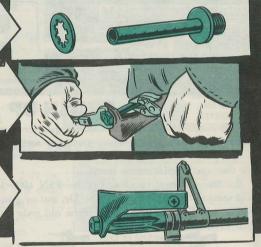
Take a look at the BFA. A loose one lets too much gas escape out the muzzle. No recoil pressure—no chambering—no automatic fire.

Make this adjustment—on new as well as on old BFA's.

Turn the orifice tube a smidgen, or enough so that the BFA fits real snug on the muzzle.

Use an adjustable wrench or pliers to turn the orifice tube in the mounting frame.

No end play is what you want—after the rear of the frame is forced around the front leg of the frontsight.

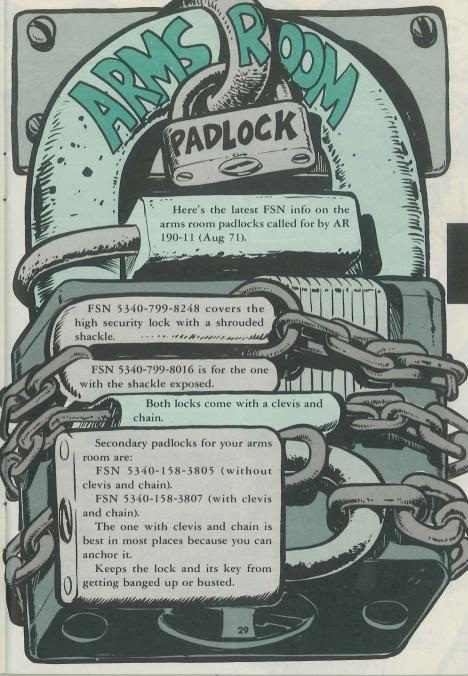


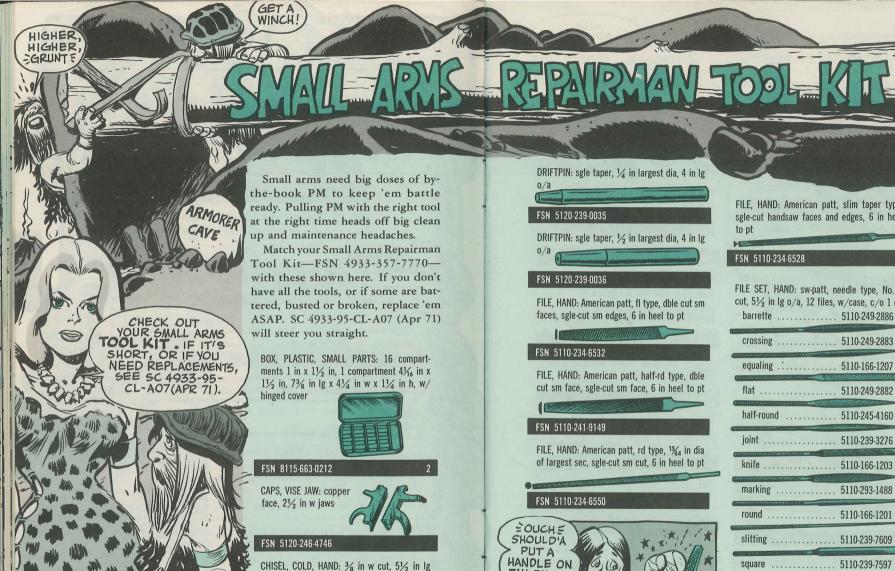
'Course, you never want the BFA to come unglued when it's hooked onto the machinegun. MWO 9-1005-224-20/2 (Feb 63) helps stop side and end movement with a pair of stiffener plates and center spacer.

You'll get a carbon buildup inside the weapon f-a-s-t when using blank ammo. This's your clue to extra PM coming up. Eyeball the M60 for unlubed spots, damaged or worn parts, and carbon buildup in the receiver and gas cylinder.

Clean the cylinder if the piston fails to move when the barrel is tilted end for end.

RBC is the cleaner, and LSA is the lube to use.





TH' FILE

FILE, HAND: American patt, slim taper type, sgle-cut handsaw faces and edges, 6 in heel

FILE SET, HAND: sw-patt, needle type, No. 0 cut, 51/2 in lg o/a, 12 files, w/case, c/o 1 ea barrette 5110-249-2886

crossing 5110-249-2883

equaling 5110-166-1207

flat 5110-249-2882

joint 5110-239-3276

knife 5110-166-1203

marking 5110-293-1488

round 5110-166-1201

slitting 5110-239-7609

square 5110-239-7597

three square 5110-239-7586

FSN 5110-204-2684

31

FSN 5110-242-3457

HAMMER, HAND: 1 in dia screw-in inserted faces, 1 med and 1 tough face, fbrglass hdl, 113% in lg. 3/4 lb wt



FSN 5120-903-7871

FACE, HAMMER, INSERTED: med plastic

FSN 5120-293-3003

FACE, HAMMER, INSERTED: tough plastic

FSN 5120-596-1072



FSN 5120-061-8541

hd wt

HAMMER. HAND: soft br hd. 3 oz total wt

HAMMER. HAND: machinist's, ball peen, 8 oz

FSN 5120-242-3908

HANDLE, FILE, WOOD: 1 in dia, 4 in lg o/a small size

FSN 5110-263-0342



HANDLE, FILE, WOOD: 11/4 in dia, 41/2 in Ig o/a med size



FSN 5110-263-0349

HANDLE, SOCKET WRENCH: rvrs rtc palm grip type, 3/8 in drive end, 11/8 in lg o/a



FSN 5120-786-3782

KEY, SOCKET HEAD SCREW: hex type, L-type hdl, 1/6 in w across flats, 13/4 in lg arm

FSN 5120-198-5398

KEY, SOCKET HEAD SCREW: hex type, L-type handle, 3/2 in w across flats, 2 in lg arm

FSN 5120-242-7410

KEY, SOCKET HEAD SCREW: hex type, L-type hdl, 1/4 in w across flats, 21/32 in lg arm

FSN 5120-889-2162



KEY, SOCKET HEAD SCREW: hex type, L-type hdl. 1/2 in w across flats, 21/4 in lg arm

FSN 5120-240-5292

KEY, SOCKET HEAD SCREW: hex type, L-type hdl, 5/2 in w across flats, 21/2 in lg arm

FSN 5120-198-5392

KEY, SOCKET HEAD SCREW: hex type, L-type hdl, 3/4 in w across flats, 23/4 in lg arm

FSN 5120-240-5300

KEY, SOCKET HEAD SCREW: hex type, L-type hdl. 5/4 in w across flats. 33/4 in lg arm

FSN 5120-240-5274

HANG IN THERE, DINO ... I'LL HAVE IT OUT IN A Y'SURE YOU'RE USIN' THE RIGHT PLIERS?

KEY, SOCKET HEAD SCREW: hex type, L-type hdl, 5/4 in across flats, 17/8 in lg arm

FSN 5120-224-2504

OILER, HAND: 6 oz cap, pressure fed by int pump S body, ni-pltd fin. 11/2 in bottom dia. 6 in Ig spout w/removable tip, w/closure cap attached, w/o holder bracket

FSN 4930-985-2604

PADLOCK: pin tumbler type, individually keyed. 5,000 key changes. 11/2 in w x 11/2 in h br-bz case, 3/4 in clearance .240 in to .323 in dia brbz shackle, w/clevis, chain, and 2 keys

FSN 5340-682-1508



PLIERS: Ig rd nose, w/cutter, 6 in size

FSN 5120-247-5177

PLIERS, DIAGONAL CUTTING: 6 in size



FSN 5110-239-8253

PLIERS: parallel action jaws, w/cutter, 61/2 in size

FSN 5120-224-1541

PUNCH, CENTER, SOLID: 3/2 in dia at top of tapd pt. 3/8 in stk dia, 4 in lg o/a

FSN 5120-293-3509

PUNCH, CENTER, SOLID: 3/4 in dia at top of tapd pt, 1/4 in dia of stk, 31/4 in lg o/a

FSN 5120-293-3510

PUNCH, DRIVE PIN: stght type, 0.070 in dia, 11/8 in lg pt

FSN 5120-840-7288

33

PUNCH, DRIVE PIN: stght type, 0.055 in dia, % in lg pt

FSN 5120-840-7289

PUNCH, DRIVE PIN: stght type, 1/4 in dia, 11/2 in lg pt

FSN 5120-752-9030



PUNCH, DRIVE PIN: stght type, $\frac{1}{8}$ in dia, $\frac{3}{2}$ in lg pt

FSN 5120-223-1014

PUNCH, DRIVE PIN: stght type, \(\frac{1}{32} \) in dia, 2 in lg pt

FSN 5120-752-9031

PUNCH SET, DRIVE PIN: 9 stght punches, w/case



pt dia in	pt lg in	
1/16	1/2	5120-240-6082
3/32	11/16	5120-242-3435
1/8	3/4	5120-242-5966
5/32	13/16	5120-240-6104
3/16	15/16	5120-293-0791
7/32	1	5120-293-0792
1/4	1	5120-240-6083
5/16	1	5120-293-0793
3/8	1	5120-273-0001

FSN 5120-883-3003

RASP, HAND: $1\%_6$ in w x $\%_6$ in thk at largest sec, sm cut faces, file cut edges, 12 in heel to pt

FSN 5110-233-9722

SCREWDRIVER, CROSS TIP: plastic hdl, Phillips No. 1 tip, 3 in lg blade, $\frac{3}{8}$ in female sq-drive in end of hdl

FSN 5120-764-8080

SCREWDRIVER, FLAT TIP: plastic hdl, $\frac{1}{4}$ in w flared tip, $\frac{1}{2}$ in Ig blade, $\frac{3}{8}$ in female sq-drive in end of hdl

FSN 5120-832-6223

SCREWDRIVER, FLAT TIP: plastic hdl, plain, $\frac{1}{4}$ in w flared tip, 4 in Ig blade, $\frac{3}{6}$ in female sq-drive in end of hdl

FSN 5120-764-8058



SCREWDRIVER, FLAT TIP: plastic hdl, plain, $\frac{3}{6}$ in w flared tip, 8 in lg blade, $\frac{3}{6}$ in female sq-drive in end of hdl

FSN 5120-764-8060

SCREWDRIVER, FLAT TIP: plastic hdl, stght sided tip, %4 in w, 5 in lg blade, 36 in female sq-drive in end of hdl

FSN 5120-010-7913

SCREWDRIVER, FLAT TIP: Hercules Tool Corp. No. CB316-5, or equal

FSN 5120-042-6837

SCREWDRIVER, FLAT TIP: plastic hdl, w/pocket clip, $\frac{1}{2}$ in w flared tip, 2 in lg blade

FSN 5120-236-2140



SCREWDRIVER, JEWELER'S SWIVEL KNOB: 0.070 in w tip, w/1 removable blade

FSN 5120-180-0728

STONE, SHARPENING: half-rd, syn, al-oxide, fine grit, 4 in $\lg x \, \frac{3}{8}$ in w x $\frac{3}{16}$ in thk 0/a

FSN 5345-224-6595

STONE, SHARPENING: natural, unmtd, hard grit, sq, $\frac{1}{4}$ in thk x $\frac{1}{4}$ in w x 3 in Ig

FSN 5345-243-6087

STONE, SHARPENING: natural, unmtd, hard grit, rd-edge slip, 4 in $\lg x \ 1\frac{1}{4}$ in w x $\frac{1}{2}$ in thk edge, $\frac{1}{8}$ in thin edge

FSN 5345-243-6086

STONE, SHARPENING: rd, syn, unmtd al-oxide or silicon carbide, fine grit,4 in $\lg x \, ^3\!\! 8$ in thk

FSN 5345-584-4554

STONE, SHARPENING: sq, syn, al-oxide or silicon carbide, fine grit, 6 in $\lg x \frac{3}{8}$ in $w x \frac{3}{8}$ in thk

FSN 5345-584-4607

STONE, SHARPENING: tri, syn, al-oxide fine grit, 4 in $\lg x \frac{3}{8}$ in w x $\frac{3}{8}$ in thk

FSN 5345-584-4615

TAPE, MEASURING: S, general purpose distance measuring type, $\frac{1}{2}$ in w x 72 in Ig, grad in units of $\frac{1}{2}$ 2 in, $\frac{1}{2}$ 6 in, and 1 in, $\frac{1}{2}$ 2 in increments 1st 6 in upperside, $\frac{1}{2}$ 6 in increments on bal of ribbon. In to rh

reading, w/case, butt end type, pull-push rewind

FSN 5210-287-3335

TOOL BOX, PORTABLE: S, enmld fin and painted, 16 in Ig x 8½ in w x 10¾ in h o/a excl projections, 5 drawers, w/panel front, Ikg facilities incl, nonintegral lock, 2 additional handles located on sides

FSN 5140-449-6856

VISE, BENCH, CLAMP BASE: stationary base, w/anvil back, 2½ in w jaw, 2¼ in jaw opng



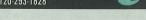
FSN 5120-243-1372

WRENCH, OPEN END, ADJUSTABLE: sgle-hd type, 0 to 1.135 in opng, 10 in lg o/a

FSN 5120-449-8083

WRENCH, OPEN END, FIXED: sgle-hd type, $\frac{3}{4}$ in opng, $\frac{3}{32}$ in thk hd, $\frac{4}{2}$ in lg o/a







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 (Jun 72), and Ch 3 (Feb 73), TM's, TB's, etc.; DA Pam 310-6 (Jul 72), and Ch 2 (Jan 73), SC's and SM's; and DA Pam (C) 310-9 (Nov 71), COMSEC Pubs.



TECHNICAL MANUALS

TM 5-5420-203-14 Oct Bridge, Armd-Veh-Launched: 60-Ft TM 5-6115-319-20P Apr Gen, Dsl: 150 KW, AC, 120/208 V, 3 Ph (Cat D353)

TM 9-1005-307-24P Mar Cupola, 20-MM, XM27, Cupola, .50 MG Mt

TM 9-1010-207-12 Mar Armament Subsys, Helicopter, 40MM Grenade Launcher: M5 on UH-1B or Uh-1C

TM 9-1015-223-ESC Mar M67 90-MM Recoilless Rifle

TM 9-1190-216-14 Feb T-4138 Test Set TM 9-1425-382-10-3, -6, -7, & -8 Jan PERSHING Arty Msl

TM 9-1440-485-20P Apr Launcher Guided Msl LANCE

TM 9-2320-206-ESC Mar Truck, Tractor: 10-Ton, M123, M123C, M123A1C, M123E2 and Truck Cargo: M125 TM 9-2320-260-20 Jul M813 5-Ton Truck

TM 9-2330-205-14 Nov Chassis, Trailer: Gen. 2 1/2 Ton. 2-Whl. M200A1 TM 9-2330-227-14 Mar Semitrailer, Van:

Shop, 6-Ton, 2-Whl M146 and M146C TM 9-2350-232-10 & -20-1 Apr M60A2

TM 9-6920-485-20P Apr M6, M32 and M33 Training, LANCE

TM 11-1520-210-20P Mar Electronic Equip, UH-1D, H TM 11-5820-562-14 Ian Repeater Sets.

Radio AN/TRC-113(V) and AN/TRC-TM 11-5895-213-20P Mar Sound Rana-

ing Set GR-8 TM 11-5915-224-14 Jan Suppressor

Electrical Transient MX-7778A/GRC TM 11-6130-247-24P-1 Mar Power Supply PP-3940A/G

TM 11-6625-520-15 Apr Maint Kit TM 11-6720-245-10 Mar KS-104A, KS-

TM 55-1510-201-L Mar U-8D, RU-8D, U-8F and U-8G Pubs List TM 55-1510-202-L Mar O-1A. D. E. F. G, TO-1A and TO-1E Pubs List

TM 55-1510-204-L Mar OV-1A, B, C and TM 55-1510-209-L Apr U-21 Series Pubs

TM 55-1520-209-CL Mar CH-47A Pilot's

Checklist TM 55-1520-209-PMP Apr CH-47A PMP

TM 55-1520-209-10 Mar CH-47A TM 55-1520-209-20-1 Apr CH-47A

MISCELLANEOUS

DA Cir 385-59

Mar Safe Operation 1/4-Ton Truck, M151 SB 700-20-1 Mar Reportable Items List TB 55-1510-209-20-14 Mar Insp Nose Wheel Steering Bracket (50-820188) for Looseness, U-21A, G, RU-21A, B, C, D, E

NEW MOVIES

TF 3-4437 Care of M17, M17A1 Masks. TF 9-4385 5-Ton Truck, M809-Operation Maintenance

TF 9-4434 Daily Crew Maintenance.

TF 10-4423 Petroleum Safety Hazards at TF 11-4395 Tactical Switchboards Orien-

TF 11-4396 Tactical Typewriters TT-4, TT-

TF-4402 Ground Radar Orientation. TF 11-4405 Avionics Navigation Equip.

TF 38-4464 Preservation of Equip. TF 44-4554 Vulcan Operator PM. TF 55-4260 Automotive PM Part III -- After

TF 55-4508 Multimeter in Aircraft Electrical Troubleshooting

IF WE'RE GONNA OPERATE HIM RIGHT

HAVE AN OPERATORS MANUAL, ONE MANUAL OVER HERE!!

AWAY BACK AT THE BEGINNING, SOME WITH IT CATS FIGURED IN ORDER TO OPERATE. MAINTAIN, 'N' REPAIR Y'R GEAR .. YOU GOTTA DO IT BY SOME KIND OF GUIDELINE ... OR SOMETHIN', 50-0-0-0 ...







AND SO IT WENT. THEY TOOK EVERY-THING INTO ACCOUNT. AND SO, ONE DAY ...





M107/M110

You say the FSN for the spade stowage box for your M107 gun or M110 howitzer is not listed in TM 9-2300-216-20P (Jun 68) or any of the changes? Use FSN 2540-453-5392 (P/N 10904364). Routing identifier code is AKZ.

Hold Two!

The Army's done an about-face on rescinding 2 TM's listed for retirement in DA Cir 310-21 (Jul 71). So if you can stop the trash-truck in time, grab 'em and hold 'em. They're TM 9-213 (24 Jul 62) and its Ch 1 (1 Feb 65), Painting Instructions for Field Use, and TM 9-247 (25 Oct 60), Materials Used for Cleaning, Preserving, Abrading and Cementing Ordnance Material and Related Materials including Chemicals. Both are reinstated as current DA pubs and available for order on DA Form 17 (if it's too late to hold 'em). DA Cir 310-47 (Mar 73) has the word.















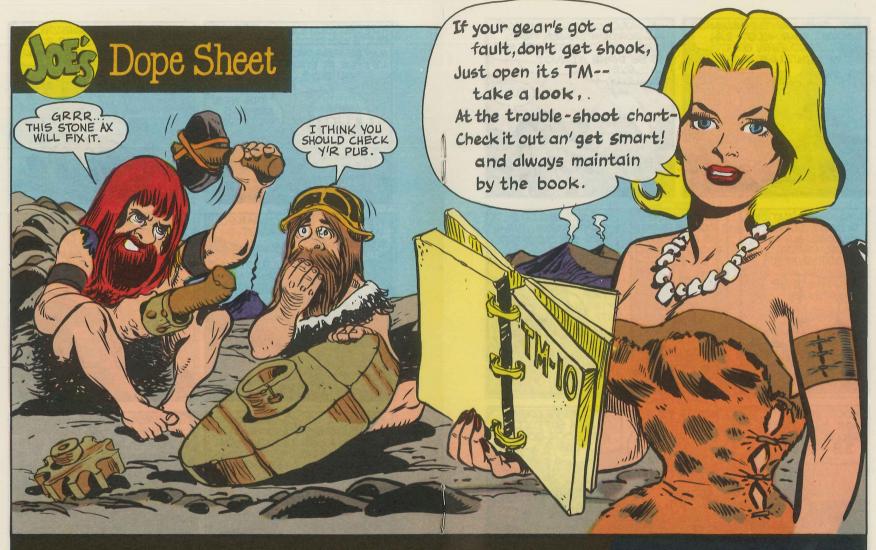












WE HAVE THE WORLD'S BEST EQUIPMENT ... Take care of it

























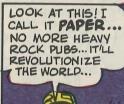






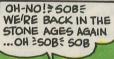


















Everybody is a radio operator, but not everybody is a mechanic. Which means—if you operators can't get a set working, never try to

OPERATORS—COVER

OFF IS A NO-NO!

fix it unless you're authorized to do it.

Take the RT-524/VRC in a 1/4-ton truck, for example. A lot of A-OK sets end up on the bench when an operator decides to take the cover off to have a look-see.

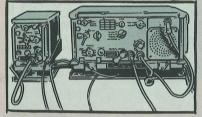
The result is broken wires, damaged modules and faulty tuning adjustments which really put that baby out of commission.

There's a good chance the radio doesn't work because the operator hit the wrong frequency or set the squelch switch on "OLD" position. The vehicle battery could even be dead.

'Course, you wouldn't pull a stunt like that, right? Not when the RT-524/VRC tuning and operating poop is right in para 3-14 and 3-17 of TM 11-5820-401-12 (Sep 72).

Fact is, no matter what set an operator keys, he'll save the Commo mechs a lot of extra sweat and elbow grease by brushing up on set operation.



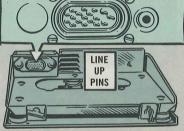


ice cream . . . and a few other goodies that have no real substitute. When you want 'em, man, nothing else will do.

here're some points to chew on:

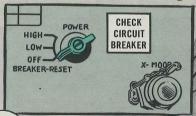
Turn off all power before you push the RT-524, RT-246 or R-442 into that circuit breaker before you call

Your Victory-12 radio set has a lot singe contact pins. Be sure to get in common with mom's apple pie, those pins lined up right before you shove that RT or receiver home.



Instead of keying the radio right after you turn it on, let it heat up To keep your radio equipment before you get down to business. A ready as fresh-baked apple pie, minute or two should do it. This little wait can save your PA tubes.

If your set won't transmit, check the mounts. Turned-on power can the mech. The circuit breaker might



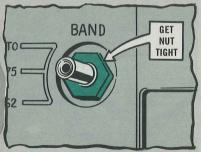
WOW! SOME APE REALLY LAID IT ON THIS AN/VRC-12 SOME GUY IS GONNA GET THE DINOSALIR DETAIL F'R THIS.

just be tripped. In which case, all you do is reset it. Should it trip again far. That could mess up wiring. after being reset, then call the mech.

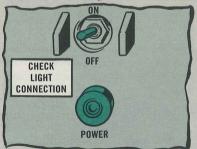
COMMAND POST VEHICLE

jiggled back and forth or turned too

Beware of looseness in the power Snug up those nuts on the connec- light connection on your AM-1780 tors and switches on your radio's amplifier. Twisting it too far counter-



front panel. You'll have to take off clockwise can make the wires inside switch or connector from getting support would have a job.

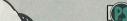


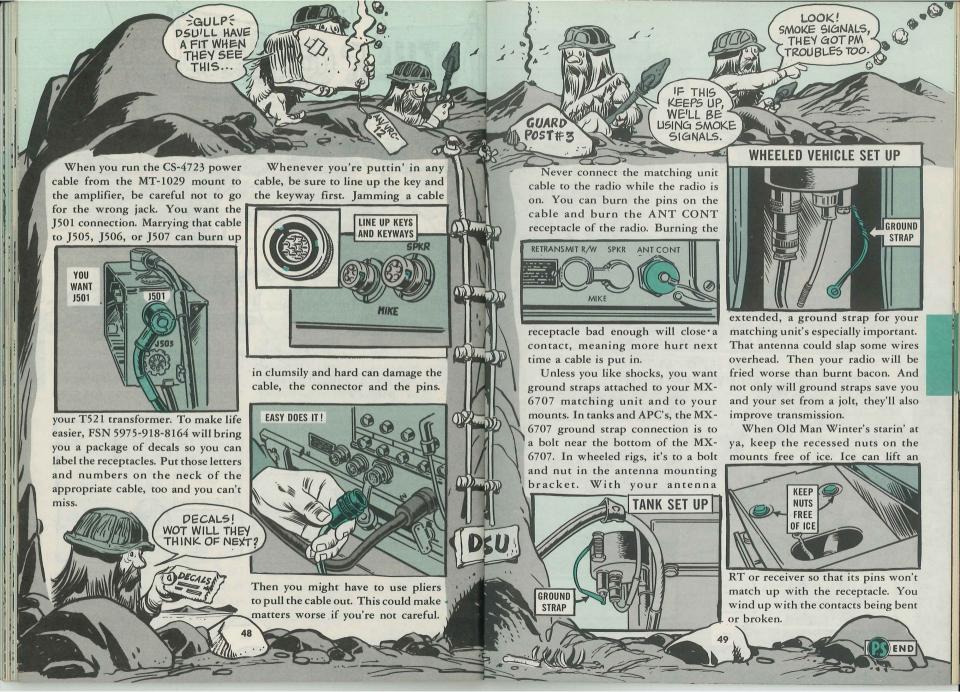
the control so you can get at the nut. look like jungle undergrowth. Your Tightening this jewel can keep the set could go out of commission, and



POWER

PLEASE





BE YOUR OWN INSPECTOR—

NEGATIVE, KILLER,
THAT TREE STUMP
DOWN TH' HILL DID
NOT MOVE ... COOL
IT...

Your AN/PPS-4() radar set can look out for you better than a watchdog. It can even scan a can—if the can moves.

O' course, you'll want to operate your Pipsy-4 and take care of it just like TM 11-5840-211-12 (April 1971) says.

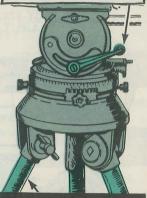
But you've got to eye this mechanical eye to keep it keen. To keep that peppy Pipsy perkin', here're some baddies to scout. The worst ones are in bold type.



IF YOU KEEP THIS UP, I'LL LOSE MY JOB AS A GUARD DOG

MT-1946 RT TRIPOD

ELEVATION CONTROL LOCK
— Loose, broken, missing,
threads stripped.



TRIPOD—Dirty, corroded, legs bent.

RT-553 OR RT-752 RECEIVER-TRANSMITTER

KNOBS—Loose, missing.

LENS—Cracked, broken, dirty.

METER FACE COVER — Cracked, broken, dirty.

RECEPTACLE COVERS—Chain broken, missing.

CONNECTORS — Dirty, corroded.

CABLES—Frayed, cracked, broken, painted.



MAGNETRON TUNER COVER— **Missing;** gasket hard, cracked; chain broken.

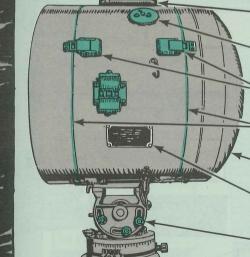
LATCHES — Bent, loose, broken.

GASKETS—Hard, cracked, missing.

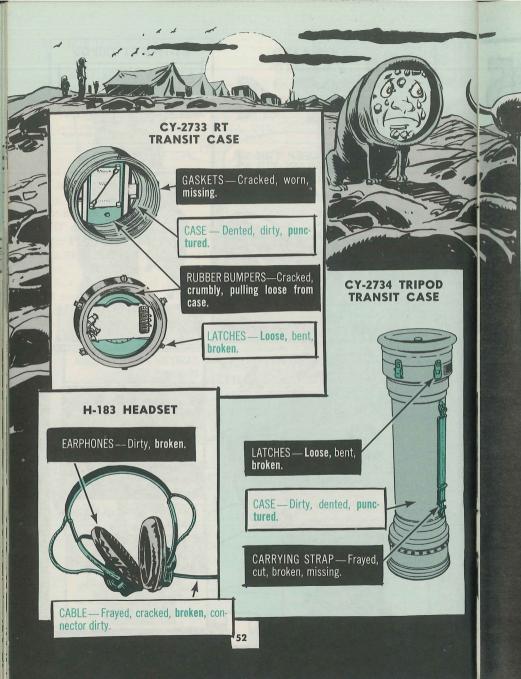
RADOME — Scratched, cracked, broken.

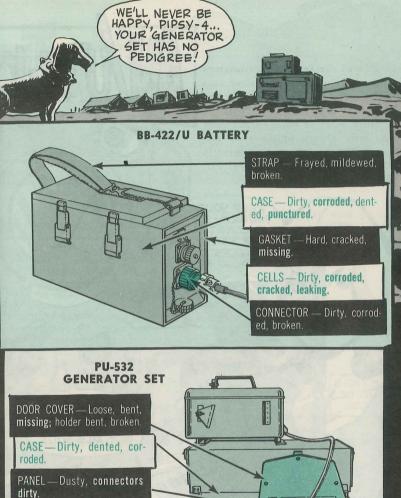
CASE — Dirty, corroded, dented, punctured.

AZIMUTH AND ELEVATION DETENT SCREWS—Loose, broken, missing, threads stripped.









METER FACE—Cracked, brok-

AIR FILTER — Dirty, missing.

AIR VENT - Dirty, clogged.

en, dirty.

missing.



USING THE . . .

One of the several multimeters commonly used by organizational mechanics and repairmen is the AN/URM-105.

Since much of today's equipment has some electric or electronic circuits, the use of a multimeter is almost a must to run down bad wiring or circuits.

> KEEP YOUR AN/URM-105 MULTIMETER TM HANDY, IT HELPS OUT IN TIGHT SPOTS

> > STEP RIGHT UP, YOU CATS... I'M GOOD FOR WOT AILS YOU!

The sight of a multimeter gives some mechanics the jitters. No sweat. You don't have to be a genius to use one. They're simple instruments, but you do have to be careful—especially if you're measuring high voltages. Here're the A—B—C's on using the AN/URM-105 multimeter . . .

MII-6625-203-12

BATTERIES

Before using the URM-105, check its batteries. If they're weak your reading will not be true. To check. . .

1. Set the switch to OHMS X1.

2. Touch the tips of both test prods; the needle should swing to the right.

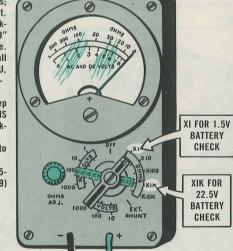
3. Turn OHMS ADJ completely clockwise. The needle should go to "O" or beyond on the ohms (top) scale.

4. If the needle does not go all the way to the right, the 2 BA-58/U, 1.5-volt batteries (FSN 6135-120-1030) need changing.

 Now switch to OHMS X1K; keep the prod tips together and the OHMS ADJ knob turned completely clockwise.

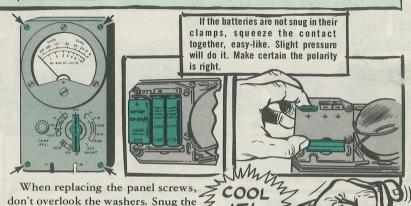
6. The needle should again go to the extreme right.

If is doesn't, the BA-261/U, 22.5-volt battery (FSN 6135-160-7159) needs changing.





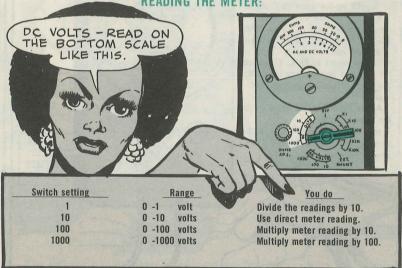
To put in new batteries, take out the 4 screws from the panel and remove the panel. Now replace the batteries.



READING THE METER:

screws up finger tight—not muscle

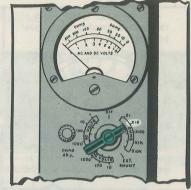
tight.



AC Volts—Read the bottom scale and use the same procedure as for DC volts.

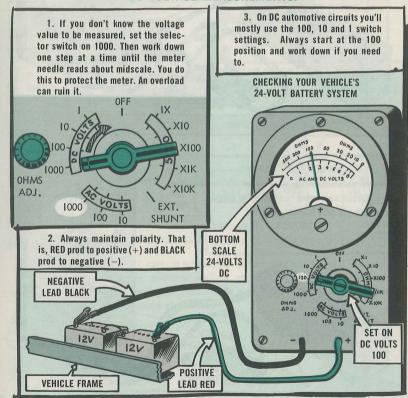
OHMS—Read the top scale. Multiply the reading by the number on which the switch is setting. Like—if the switch is set on X10, multiply the meter reading by 10.

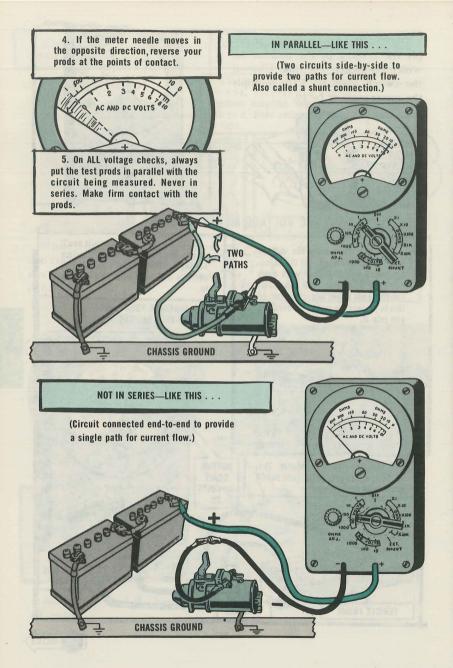




MOR

DC VOLTAGE MEASUREMENTS:





AC VOLTAGE MEASUREMENTS:

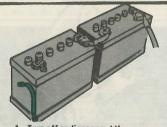
Use the same procedure as for DC volts. But set the selector switch on AC VOLTS. ALWAYS START ON THE REGULAR COMMERCIAL CIRCUITS ARE AT LEAST 110 VOLTS. **BOTTOM SCALE** 118-VOLTS AC READING LIGHT FIXTURE AC VOLTAGE MEASUREMENT SELECTOR 120-VOLT AC AND GROUND TEST SWITCH COMMON WALL RECEPTACLE 110-118 VOLT SLOT READING INDICATES SET ON SCREW PROPER 1000 VOLTAGE PLUS RED HOLE BLACK A GOOD LEAD LEAD GROUNDED SMALL SLOT = POSITIVE (+)**BOX AND** CIRCUIT

Never measure an AC circuit when the multimeter is set on DC Volts—or vice versa or with the selector switch on OHMS. Measuring a circuit when on the wrong setting can burn out a resistor. So check your switch setting first, then measure the voltage.

LARGE SLOT = NEGATIVE (-)



RESISTANCE MEASUREMENTS:

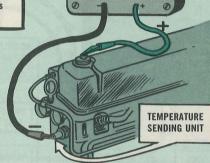


1. Turn off or disconnect the power from the circuit or item to be measured. If you're working on a peice of equipment having 12- or 28-volt charging system, disconnect the battery ground cable.

2. Set the selector switch on OHMS. If you don't know the ohms rating, set the switch on X10K.

 Connect the prods across the item to be checked. Then turn the selector switch counterclockwise until the needle centers on the scale.





4. Now "zero" the meter. Touch the 2 prods together. While they're together, turn the OHMS ADJ knob until the needle settles right over "O" that's on the top scale.



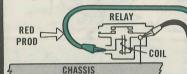


5. Connect the test prods across the item or circuit to be measured and read the value on the top scale. Don't forget to multiply the reading by the "X" setting figure.

by the "X" setting figure.

6. Every time the selector switch

is set on another OHMS "X" setting, repeat the zero adjust.

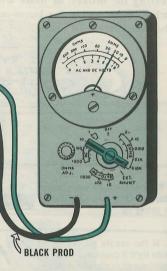


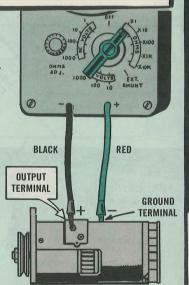
POTENTIOMETER (CONTROL)

SELECTOR SWITCH ON OHMS X10K READING 0-50K OHMS

7. When measuring resistance of transistor circuits use the X1, X10 and X100 settings only. This'll limit the meter's power supply to 1.5 volts. The higher settings put 22.5 volts in the meter circuit and this can blow transistors or electrolytic capacitors and you must maintain METER BATTERY polarity.

To maintain METER BATTERY polarity during resistance and continuity checks on alternators and solid state circuits use the RED probe as negative (-) and the BLACK probe as positive (+). Why? Because the RED lead is connected to the (-) side of the meter's batteries, and the BLACK lead to the (+) side.







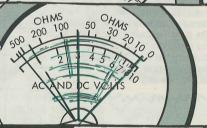
CONTINUITY TESTS:

Testing for broken or loose wires, closed or shorted circuits and switches, plus testing for burnt-out bulbs is one of the greatest uses of the multimeter. To make continuity checks with the -105...



- 1. Set the selector switch on OHMS X1.
- 2. Now just touch the prods across the bulb, switch, cable or circuit that's acting up.
- 3. If the needle swings to the extreme right it could mean a closed but good circuit or closed but shorted circuit . . . depends on what you're looking for.
- 4. If it doesn't move at all you've got a break or open circuit.
- 5. A jumping or flickering needle means a loose connection.





TM 11-6525-203-12

OFERATION AND
ORGANIZATIONAL MAINTENANCE
MULTIMETER AN/URM-10S
INCLUDING MULTIMETER
ME-77/U

IT CAN DO MORE

Your AN/URM-105 multimeter can do a lot more. Like reading DC voltages up to 50,000 volts and current measurements up to 100 amperes. But to do this you'll need auxiliary equipment. TM 11-6625-203-12 (Jun 59) gives the dope on all this.





Once a King, always a King. Once a Knight is enough. A day, anyway.

Never use the indicator pushto-test button on your Chinook ISIS rotor blades more than once on the Daily, bird mechs.



If you do, you'll lose the vacuum sooner than expected. The result will be more frequent blade changes.

Fact is, you get about 400 tests out of the new integral spar inspection system. But it beats pulling the old time-consuming borescope and eddy current inspections by a mile.

Air within the modified blades is evacuated from the blade spar through an air valve, until the internal spar pressure is about 1 PSIA.

GROANS TVE BEEN GROUNDED, KNIGHT, BABY. AIN'T THAT A GAS?

If a crack should develop in the spar, or socket, the blade loses its vacuum. The visual indicator will then show alternating black and white stripes. You have an unsafe blade. When that happens stable your Charger for a new blade.



Sure, you'll lose a little vacuum every time you push the button on indicator, P/N 114RS100-1, FSN 6685-486-9006. No sweat if you can get hold of blades with the improved indicator, P/N 114RS100-2, FSN 6685-090-8912. No air enters the

blade when you test the new -2

'Course, when you push the button the indicator will show black and white stripes (unsafe). When you release the button the indicator should return to all white stripes (safe).

indicator.

YON VARLETS HAVE

TRUSTY CHARGER ...

TOO MUCH USAGE

OF THE ROTOR

BLADE TEST

BUTTON.

BLOWN IT WITH MY

The weight of the ISIS blades is increased over the non-ISIS type, so never mix 'em on the rotor head of your trusty steed.

TSHAFT SAVER

Dear Windy,

Any Chinook (CH-47) mech who removes the adapter and plate assembly, along with the support assembly, from the synchronizing shaft has a job on his hands. The shaft is usually clamped in a vise and it can be damaged beyond repair limits.

To save some moola, we came up with an adapter and plate assembly

holding tool.

To use the tool, remove the unriveted %-in bolt from the adapter assembly. Place the 2 large holes in the tool over the special washers in the 2 riveted bolts.

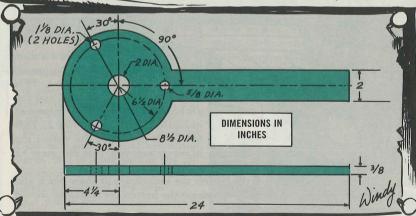
Line up the 5%-in hole in the tool with the hole in the adapter assembly where the bolt was removed. Replace the bolt and nut to hold the tool onto the adapter.

While you restrain the assembly with the installed tool, you can loosen the retaining nut with a standard $\frac{1}{2}$ -in drive extension.

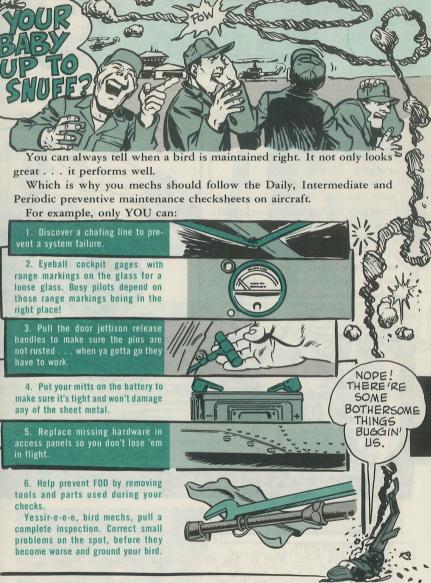
HOLDING TOOL

No more damaged shafts! Works like a charm.

SFC Solaman L. Skeen Ft Rucker, Alabama



(Ed Note:-Right! AVSCOM recommends local manufacture of the tool since it won't be made available in the supply system.)



Your baby will then be more available, not tied up in organizational or support maintenance for major repairs.





So your Huey has the new 1-piece tail rotor crosshead bearing, which takes the place of the old 2-piece bearing.

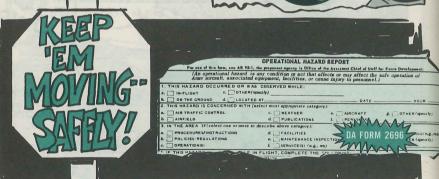
The old bearing could be Murphied. Not so with the new one, which works installed either way.

But—if you use a little force during removal or installation, the inner race will pop . . . happens!

To help keep the bearing in 1 piece, use only finger pressure on the inner race during removal or installation.

If the bearing separates, tho, just clean the parts thoroughly and reassemble the bearing. It may be necessary to stick the balls in place with a dab of grease, MIL-G-25537.





If you're assigned to any type of airfield duty, report any aircraft ground-handling problem. You could keep a bird from being deadlined for repairs from bent-up parts.

Use a DA Form 2696 (1 Aug 69), Operational Hazard Report. Just fill in blocks 1,2,3 and describe the problem.

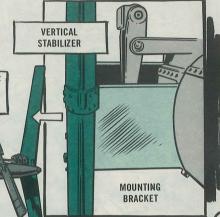
Airplane drivers have been using the form right along. Your safety officer also reviews ground operations, per AR 95-1.

BALANCE YOUR

Ground-handling your OH-58A chopper with muscle power?

Station a buddy at the vertical stabilizer mounting bracket to apply force at the tail boom for balance and guidance.

The horizontal stabilizer is not strong enough for ground hand-ling—could be damaged.



SIGHT GLASS SURVEY

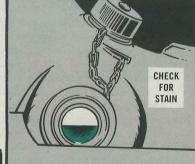
Stained sight glass on the 42- and 90-degree gearboxes on the Huey can give false readings and lead to gear damage through under-lubrication.

So you fight stain, natch.

How? Like so:

UNITED

First, when you skin-clean your bird, let no solvent slosh around the sight glass. It can ooze in and react with the lube oil and stain-coat the inside of the glass.





Second, when you're pulling your inspections, follow the TM and eyeball each gearbox sight glass. Take it out and clean it if it's stained and cleanable, or replace the glass.





PRESCRIBED LOAD LIST

BORROW PLL DOPE

Whether your outfit is newly organized, or it gets a new piece of equipment—you work your initial PLL allowances from borrowed PLL info.

That's right. You simply borrow PLL demand history from a similar unit that maintains the same equipment (same FSN) that your shop supports.

Your outfit, of course, is authorized to modify the borrowed demand history according to its own mission needs. See para 2-36c.



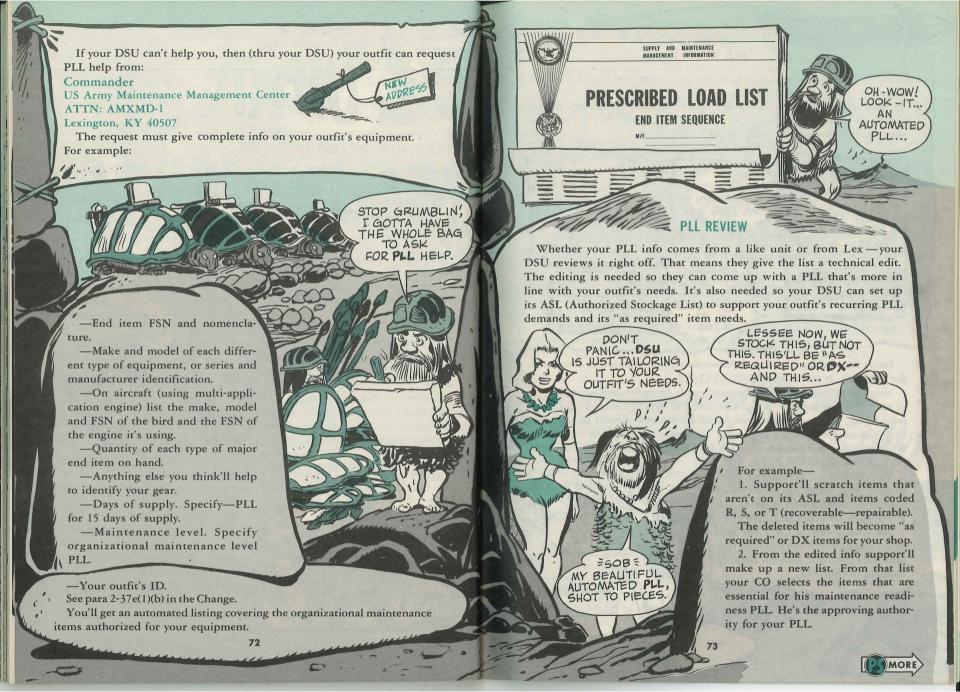
THE MESSAGE WAS ATTACHED TO THE ARROW.

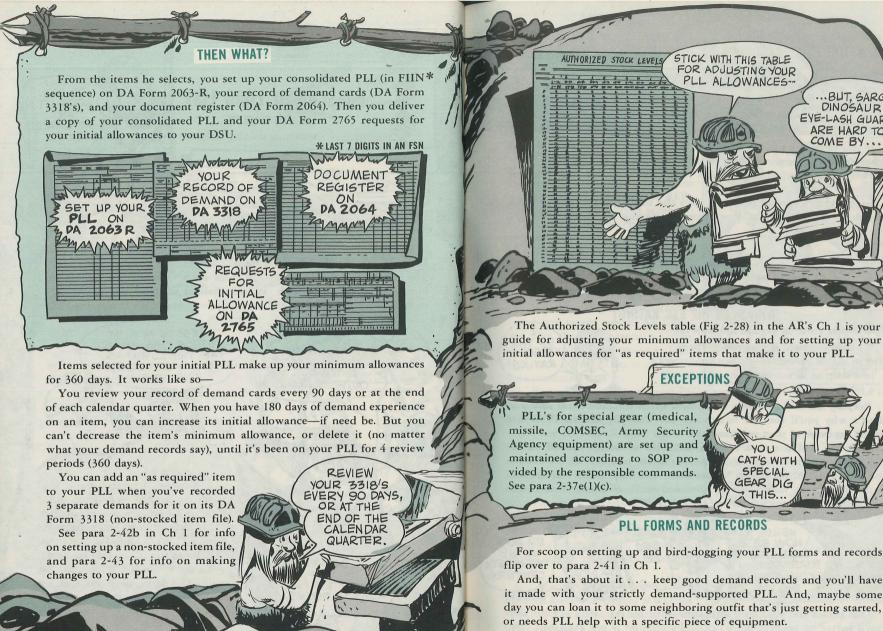
> "KIN WE BORROW SOME PLL DATA FROM YOU GUYS," THANKS...

So what happens if you can't track down a like unit . . . or your outfit doesn't have the capabilities for working up PLL info?

No sweat. Whether you're concerned with only one piece of equipment or the whole kit and caboodle in your TOE—you can ask your DSU (Direct Support Unit) to check its resources for PLL info for your gear. They may have access to PLL demand history for a like unit that you can use.







AUTHORIZED STOCK LEVELS! STICK WITH THIS TABLE FOR ADJUSTING YOUR PLL ALLOWANCES --... BUT, SARGE, DINOSAUR EYE-LASH GUARDS ARE HARD TO COME BY ... The Authorized Stock Levels table (Fig 2-28) in the AR's Ch 1 is your

PLL's for special gear (medical, missile, COMSEC, Army Security Agency equipment) are set up and maintained according to SOP provided by the responsible commands. See para 2-37e(1)(c).

PLL FORMS AND RECORDS

YOU

CAT'S WITH

SPECIAL

GEAR DIG

For scoop on setting up and bird-dogging your PLL forms and records flip over to para 2-41 in Ch 1.

And, that's about it . . . keep good demand records and you'll have it made with your strictly demand-supported PLL. And, maybe some day you can loan it to some neighboring outfit that's just getting started, or needs PLL help with a specific piece of equipment.

ESC RATINGS FORECAST YOUR EQUIPMENT.

If you operate equipment, inspect it, maintain it—and fight with it when the chips are down—you've got to be sure it's fit to fight.

That's your routine, regular and ready way of doing your thing as a member of your Army unit.

So the Army's combat readiness rules also make you a <u>forecaster</u>—and you don't do this part of your thing by reading tea leaves or sludge in your coffee cup.



WHO DOES THE ESC RATING?

Operator or crew (at organizational level)---

When equipment is assigned to them.

Any available personnel—When equipment's

in a shop or in storage (the rating is still
a job for the owning unit).



Keeping track of your own equipment's combat readiness is your job. That's why you'll find an Equipment Serviceability Criteria (ESC) TM in the log book of your equipment.

Each ESC TM is a rock-bottom check list of what's needed on the equipment—and in what condition—to make sure it'll do its combat job and do that job for at least 90 days ahead with only normal maintenance support—barring major hits by shot and shell, o'course. This 90-day rule applies to all units reporting under AR 220-1.



That makes you your own forecaster—and for the safety of your skin you'd better be good at it. A lick-and-a-promise is not even half safe.

Here are the major points to remember so you'll be a top-notch forecaster when you do an ESC rating—

1. Make sure you have an upto-date ESC TM in the equipment log.
The latest ESC rates each check point
as either GREEN, AMBER or RED.
(The old type, with point scores to
be added, is dead—except for a scattered few that will soon fade away.)
The new type ESC needs no
mathematical mumbo-jumbo—just
read and check.

2. If there's an ESC TM—as there should be for combat essential items—and you report under AR 220-1, you give the equipment a rating component-by-component at least once each 90 days. Do it oftener if your command says so.

your command says so.

3. Record the results of your ESC check on DA Form 2404. That's the same form used for daily inspections—but you do the ESC on a separate DA 2404.

4. Your ESC check must show the rating for each component listed in its ESC TM—plus the overall rating for the equipment or system.

77

5. You must keep an eye on the forms in the equipment log. Make sure all components that have to be rated except on aircraft are listed on DA 2408-10—plus any hourmeter or odometer used to keep track of operating hours or miles. Update the entries for all component changes, too.

6. Watch DA Form 2408-5 like a jealous lover. An Urgent MWO not applied turns your equipment RED—instantly.



I ABSOLUTELY

IT FOR

90 DAYS

SARGE.

GUARANTEE



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ADDING !

NUMBERS!

JUST GREEN

AMBEROR

TILL

THAT ..

REMEMBER

RED.

A system (2 or more pieces of equipment combined to do a particular

on a separate DA 2404—but no system c item in it. One component RED rating ma	an rate better than the worst kes the system RED.	
ORGANIZATION . 2. NOMEN	CLATURE AND MODEL RUCK, UTIL MI5/AIC	
REGISTRATION/SERIAL/FSN 4a. MILES b. HOURS c. ROUNDS d.	HOT STARTS 20 MAR 73 ESC	
APPLICABLE REFERENCE M NUMBER 9 2320 -218 - ESC		
a. SIGNATURE (Person(s) performing inspection) 8b. TIME 9a. SIGNATURE (M	aintenance Supervisor) 9b. TIME 10. MANNOURS REQUIRED C. Carter GREEN	DON'T FORGET ONE COMPONENT R
TM TEM STATUS DEFICIENCIES AND SHORTCOMINGS OF C	CORRECTIVE ACTION INITIAL WHEN CORRECTED	RATING MAKES THE ENTIRE SYSTEM RED!!
1 GREEN MWO'S	EQUIPMENT INSPECTION	O AND MAINTENANCE WORKSHEET
2 GREEN TIRES	1. ORGANIZATION	(TM 38-750) 2. NOMENCLATURE AND MODEL
3 GREEN BODY & FRAME	Co D, 67H BN 3. REGISTRATION/SERIAL/FSN 4.4. MILES b. HOURS	RIFLE, RECOIL LESS M40 A / ROUNDS d. HOT 5. DATE 6. TYPE INSPECTION
4 GREEN BATTERIES 5 GREEN ENGINE	464072	FIRED 326 STARTS 20 MAR 73 ESC
5 GREEN ENGINE 6 GREEN INSTRUMENT ACC	7. TM NUMBER . TM DATE	TAN NUMBER THE DATE
7 GREEN TRANSMISSION 4 TRANSFER	9-1015-221-ESC 28 MA	
8 GREEN CLUTCH ASSY		
9 GREEN STEERING ASSY	IN ACCORDANCE WITH DIAGNOSTIC PROCED	ORECORDED ON THIS FORM HAVE BEEN DETERMINED AND STANDARDS IN THE TM CITED HEREON.
10 GREEN BRAKES	a natura alauda Jest surge, a la la la la	7a. SIGNATURE (Maintenance Supervisor) 9b. TIME 10. MANHOURS REQUIRED
II GREEN FR + REAR AXLES + PROP SHAFTS	R.S. Mc Lee Sp 4	James C. Carter AMBER
12 GREEN N/A ON MISTAIC	TM	INITIAL
13 GREEN VEHICLE MILES	TM ITEM NO. a b DEFICIENCIES AND SHORTCOMING	CORRECTIVE ACTION WHEN CORRECTED
14 GREAN ENGINE DIL USE	1 GREEN MWO'S	
15 GREEN ENGINE MILES	2 GREEN BORE & CHAMBER	
16 GREEN TRANS/TRSFR MILES	3 GREEN BARREL ASSY	SYSTEM RATING SYSTEM RATING
17 GREEN FUR DIFFERENTIAL MILES	4 GREN BREECHBLOCK	CAN BE NO HIGHER
	5 GREEN ELEVATING & FIRING	THAN LOWEST-RATED
	6 GREEN TRAVERSING ASSY	COMPONENT-AMBER IN THIS CASE
	7 GREEN M79 MOUNT	
	8 AMBER SPOTTING GUN BARREL	CHAMBER
A FORM 2404	CONTRACTOR OF THE CONTRACTOR O	

- 8. Are there any X or circled X status symbols on your equipment's DA Form 2408-1-or DA Form 2408-13 for aircraft? If so you've got a deficiency that gives the equipment a RED rating. You also check engine oil usage on DA Form 2408-1.
- 9. Also-except on aircraft-you need to check for circled X status symbols on DA Form 2408-14. (These are not allowed on DA Form 2408-14 for-aircraft.)
- 10. For equipment with a gun tube, you need to check DA Form 2408-4 to see if the tube's nearing the end of its service life.



11. On aircraft, besides checking DA Form 2408-13 for deficiencies, vou also need to check DA Form 2408-16 component status or condition and DA Form 2408-18 for inspections due on components that are changed at calendar intervals.

12. After you complete your ESC check on the equipment, hand the DA Form 2404 to your maintenance supervisor. He'll check it, take necessary steps to get repairs needed to upgrade RED or AMBER ratings and record the system or equipment rating on DD 314.

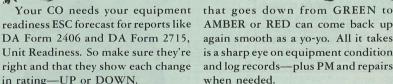


He'll also transcribe uncorrected faults that are allowed on DA Form 2408-14 to that form and make sure that it's updated as faults are corrected.

The DA Form 2404 is then filed (logbook pocket or unit files, as required by unit SOP). Keep it until the next ESC rating is made.

13. When you're dealing with a system that has 2 or more ESC TM's, staple the separate DA Form 2404's together. Then write the rating-GREEN, AMBER or RED-for the system across the bottom of the DA Form 2404 that's on top. (Normally the top DA Form 2404 should be the one for the system as listed on the DA Form 2406 report—or DA Form 1352 for aircraft.)

SMOOTH AS A YO-YO



In skilled hands, most equipment

Your CO needs your equipment that goes down from GREEN to again smooth as a yo-yo. All it takes is a sharp eye on equipment condition and log records—plus PM and repairs when needed.



Address Changes

Questions and suggestions on supply and equipment maintenance records go separate ways beginning 1 Jul 73. Thru command channels, those on AR's 710-2, 710-3 and 711-5 go to: Commander, US Army Logistics Evaluation Agency, ATTN: LEA-LS, New Cumberland AD, New Cumberland, PA 17070. Those on TM's 38-750 and 38-750-1 go thru channels to: Commander, US Army Logistics Center, ATTN: Systems Directorate, Fort Lee, VA 23801. These address changes went out in DA Msg DALO-SMZ-A 18200Z May 73.

PCS for Half-Mast

(Connie and Bonnie, Too)

Half-Mast is still unpacking his duffle bag; Connie and Bonnie are getting curlers, eyebrow pencils and other female gear recalibrated after their PCS to Lexington Army Depot.

Yep. They hauled out of Fort Knox a few days ago and are now in business at Lexinaton.

Address:

PS MAGAZINE C/O USAMMC Lexington, Ky 40507

Plastic Plugs, Podner?

Hurtin' for a selection of plastic plugs? The kind you sometimes use to seal the open holes in your Armybird's environment-resisting electrical connec-

Relax . . . they're not in the supply system.

Use spare wires in unused holes, pins, as spelled out in para-3-62,TM 55-1500-323-25 (Aug 68).

Brass Fitting Kits

Back off, Knucklebusters, Take another look at your tube-pipe fitting kit FSN 4730-203-0398 or FSN 4730-470-6625. Order only those itemstees, nipples, nuts, elbows, etc.—that you need to keep your kits up to snuff.

Paying 50 bucks or so for a new completely stocked kit when all you need is a 2c sleeve is a waste of Green Machine

Polish A Plug?

Want a good polishing cloth for switchboard plugs and packs? Try FSN Fire off your letters to them at this 7920-985-6849. It's a silicone-treated cotton polishing cloth measuring 13 1/2 by 11 inches. It's referenced on page 3.11 of Fed Cat C7900-IL-A (Jun 71), Cleaning Equipment and Supplies.

Would You Stake Your Life high now the Condition of You the Condition of Your Equipment?

