

# DINGS EASY

You've seen some of them around: brightly colored, easy-toread TM's that can fit in your pocket or a logbook.

> SOMEBODY UP AT THE HEAD SHED MUST BE READING MY

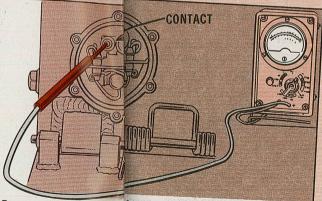
Maybe you've wondered whether you'll be getting one on your equipment.

Hang in there. Most Army equipment will be getting the new style operator and organizational level GROUND MOBILITY manuals. But, it'll take time.

Many of the manuals are in color, they're in easy-to-read language. with lots of pictures to take the sting out of what could be puzzling instructions.



- Parts lists and pictures of repair parts on the lists are being placed on the same page or facing pages.
- Most operator manuals are separate from organizational maintenance manuals.
- Test equipment your unit uses will be pictured.



Remove taillight cover (314) and turn MASTER switch ON. Turn light switch to SE VICE DRIVE position. Remove taillight bulb (p 315). Using hultimeter, place red lead in center contact and ground black voltage replace bull taillight bulb (p315). If n voltage, replace bulb in socket and go to step K.

**PREVENTIVE** MAINTENANCE

Published by the Department of the Army for the information of all soldiers assigned to combat and combat support units, and all soldiers with organizational maintenance and supply duties.

Within limits of availability, older issues may be obtained direct from Editor, PS Magazine, c/o US Army Maintenance Management Center, Lexington,

ISSUE No. 293 APRIL 1977

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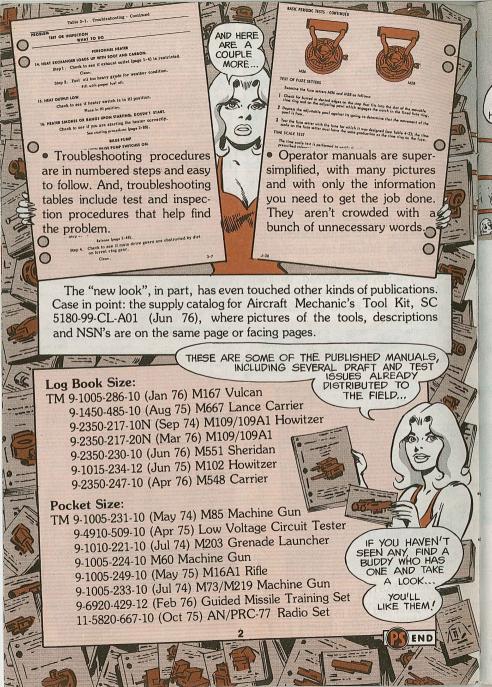
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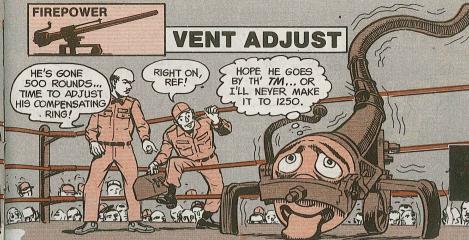
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PS wants your ideas and contribu- MSG Half-Mast tions, and is glad to answer your PS Magazine questions. Name and address are kept in confidence: Just write to: Lexington, KY Or call: AUTOVON 745-3503

Use of funds for printing of this publication has been approved by Headquarters, Department of the Army, 23 December 1975 in accordance with AR 310-1.

DISTRIBUTION: In accordance with requirements submitted on





Take one breechblock vent assembly, clean and adjust it like the book says, and you help keep those 106-MM recoilless rifles at top operating efficiency.

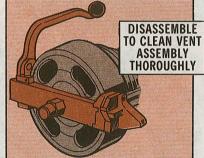
Since the vent allows gas to escape, keeping it clean is a must. That's a job for the armorer . . . after each day of firing. The assembly has to be taken apart and cleaned thoroughly with RBC.

Proper adjustment of the compensating ring insures the right muzzle velocity for the rifle.

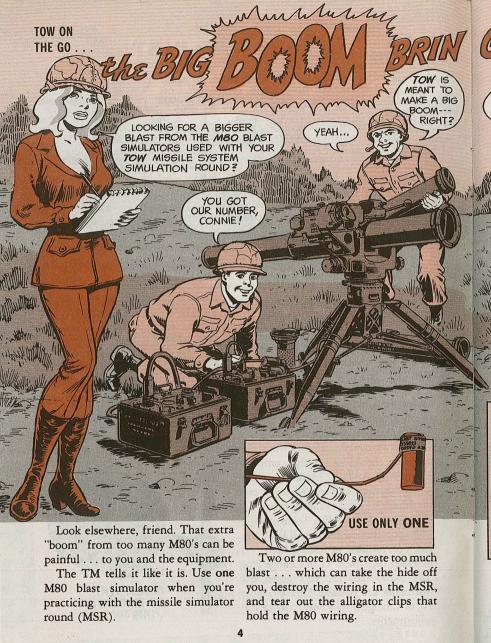
The number of rounds (500) that go through a barrel determines when the armorer should adjust the compensating ring. And, the rounds fired tell when the barrel and vent assembly can no longer be used (1250 rounds).

Your up-to-date DA Form 2408-4 (Weapon Record Data) will keep you clued on number of rounds fired.

Table III.1, page 11 of Change 2 to TM 9-1000-205-12, says when adjustments are needed. Para 64, page 10, of Change 2 tells how to make the adjustments.







GS GLODM



On to less hazardous matters:

Those alligator clips in the MSR are somewhat less than rugged. So, when you've finished firing, release the M80 wires by opening the clips.



If you yank or pull the wires from the clips, you can either damage the clips or the connector to which the clips are attached.

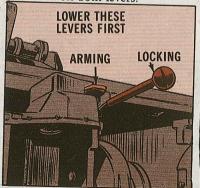
BATTERY

Check out the wingnuts on the battery when you use it. The wingnuts wear, fall out... and you might end up with a dumped battery. If the wingnuts are worn or missing, get them replaced.



LEVERS

If your TOW is mounted in an M113 APC, remember to lower the arming and locking levers before you lower the hatch. Otherwise, the hatch can break off both levers.



5

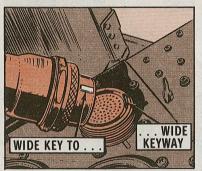
## UUUUUUUUUUUUUUUUU

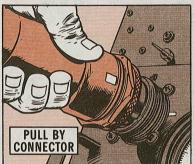
When you connect the cable (coil cord) from the traversing unit to the Il jack on the missile guidance set or the instructor console, first carefully line up the mark on the cable connector with the mark on the jack. Line 'em up . . . then push the connector into the jack.



If you force or twist the connector before lining it up, you can break or bend the pins.

If the marks on the connector and jack are chipped off, line up the wide key on the connector with the wide keyway on the jack. Then, slide it into place.





When you remove the cable, pull it by the connector ... not the cable wire. Saves breaking cables.

YANK ON ME, WILL YA?

TUTUTE

THAT'S

Easy does it when you remove the "CABLE REVENGE" launch tube from the traversing unit. Easy does it when you remove the The cargo hatch and other snags will bang the tube up as sure as you're carrying it.

Sure, the tube's awkward to carry in tight places, but a little care can bring it through unscathed . . . and serThose handles on the face of the missile guidance set and the instructor console are for lifting components out of and into the MGS or console.

Never use the handles for carrying either the MGS or the console. The weight of the equipment can pull the handles out . . . and all you'll be holding will be the handles.





To lift the entire MGS or console, use those sturdy carrying handles on the side of the chassis . . . the folding type.

Carry the optical sight by the holes in the metal brace. The locking handle has only 2 purposes: to lock or unlock the sight to the traversing unit.



If you carry the sight by that handle, you'll break the handle.

Carrying onward, here's the word on moving the traversing unit around: carry it by the 2 control knobs you use in firing and practice.



Carrying the unit by the bridge clamp may seem the handiest way, but that method can foul you up. It misalines the guide-pins of the launch tube and the electrical connector in the bridge clamp . . . and you won't be able to fire the weapon.

WATCH HOW YOU CARRY THAT GEAR, SOLDIER.



The mount on your Chaparral launch station can grind to a halt if you don't follow a new, semiannual lube step.

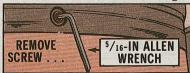


The new step calls for crewmen or organizational mechanics to grease the azimuth bearing. That's the large ring bearing between the mount and pedestal.

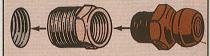
It was supposed to be lubed permanently at the factory, but that grease won't hold up under field conditions. Without grease, the mount won't rotate on the pedestal, and other parts of the mount assembly get damaged.

So, here's what you do:

First, use a 5/16-in allen wrench to remove the hex-head access screw on the outside of the azimuth bearing.



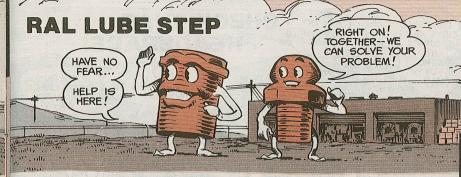
Next, insert pipe bushing, NSN 4730-00-196-0930, into the opening and tighten it with a 9/16-in socket or wrench.



**INSERT LUBE FITTING. NSN 4730-**00-050-4208, INTO THE BUSHING.

Now, have a buddy rotate the mount slowly while you pump grease, MIL G23827, NSN 9150-00-985-7247, with a standard grease gun until the new grease comes out of the ring. You'll need about 2 pounds. Apply the grease slowly so it'll spread over the whole bearing.





Once you've applied all the grease, remove the fitting and pipe bushing, and replace the hex-head screw.

LO 9-1440-585-12 is being changed to include this step.

## **HOLD THE PERSHING PAINT**



Next time you get the urge to pretty up the paint on the ST-120 stabilized platform of your Pershing missile system, stifle it.

The paint's a special hightemperature type which takes the strain when the heater comes on. If you spot paint or second coat with the wrong kind, the paint blisters and flakes.

And, those flakes get into the G&C

The right paint's available only at in the field is out.



section, where they cause problems. depot level, so repainting the ST-120

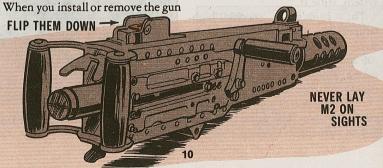


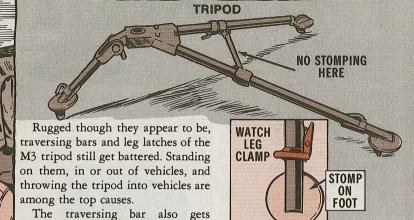
TM 9-1005-213-10 (Jul 68) tells you how to make the adjustments. It's up to you to get them done. It's the best way to keep your gun out of the repair shop and yourself off sick call.

#### SIGHTS

The sights, especially the rear one, can't take rough handling, so you've got to be extra careful with them when the gun's off its mounts. Big caution; never lay the gun on the sights.

on a track vehicle, watch those rear sights. Flip them down when not in use. Pass the gun through the hatch. and don't throw it over the side to a buddy . . . or whatever.





clobbered when gun crews attempt to seat the tripod legs into the ground by stomping on . . . you guessed it . . . the traversing bar.

The best way is to stomp the foot on need them to keep the legs up.

#### BARREL

Finally, never use over-sized clean- cleaning rod removed. ing rags in the barrel. Large rags jam, and your gun might have to take a trip page 107 of your -10 TM. There's no to the shop to get the rag and the shortage.

The swabs you need are listed on

the end of the legs. If you use your

boot, steer away from the leg clamps.

The clamps bend or break . . . and you

HEAVEN THIS MG HELP US WON'T CATCH
THE GY!!M

AN' THIS ONE WON'T EJECT TH' CARTRIDGE!

OH, WOE! THESE YO-YO'S HAYE SWITCHED COUR FEED TRAYS!

If you want to keep your M73/M73A1 and M219 machine guns eating and spitting out lots of ammo, look like they might be. don't switch their feedtrays.

The feedtrays are not interchangeable . . . even though they

If you put the M219 feedtray on the DON'T SWITCH M73, the tray bends down the rammer and can't catch the cartridge.

If you put the M73 feedtray in the M219, the M219 won't eject the cartridge.



## IT ALL CCIDENTAL

DANGER MAY BE ON 2 VEHICLES: M551 SHERIDAN, M60A2 TANK

The headline above is for an incident that has never happened and with your help it never will.

when a test round shot out the tube of an M551 Sheridan with nobody pressing on a firing button.

The round took off because the cable assembly ("U") cord was in poor shape. So, check this cord carefully. It's cord NSN 1025-00-945-4321 for the M551/M551A1 and cord NSN 1025-00-932-1164 for the M60A2. Really bear down on this inspection because there are a lot of different ways a short circuit in the cord could fire a round before you press the button.

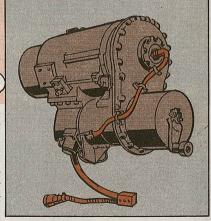


The "U" cords on all M60A2 tanks and M551/M551A1 Sheridans must be inspected by your turret mechanics before the main gun is fired again. This inspection will be repeated quarterly after that as part of the regular Q service. If the cable can't pass inspection, replace it.

Every cable must pass a 2-part inspection including:

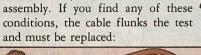
First—Proper installation. For the However, there was one close call M60A2 this must conform to Fig 2-145 on page 2-669 of TM 9-2350-232-20-2 (Feb 75)

> For the M551/M551A1 it must be like Fig 11-12 on page 11-13 of Ch 10 to TM 9-2350-230-12 (Jun 66).



## UIIIIUIII ZUcents ROUND FIRED

Second—Eyeball the whole cable assembly. If you find any of these ° conditions, the cable flunks the test



- 1. Housing bent, crushed or cracked.
- Outer jacket of tubing cut or torn.
- 3. Separations or breaks which expose wire conductors.
  - Copper tubing broken.
  - Exposed wire conductors.
- 6. Cracked or broken pieces or stripped threads. Make sure every connector is checked.
- 7. Cracked or broken connector face.
- 8. Cut, crushed or damaged molding portions at any connector.
- Bent, broken or missing pins.

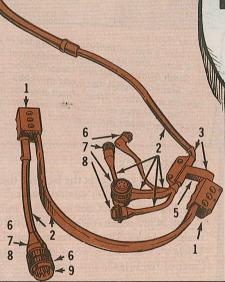
for both M60A2 and M551 series cables, the M551 series cables also must be given an electrical test using TM 9-4933-216-12). Cables will be TM's. replaced if they flunk this test even if they pass the 2-part test. The M60A2 before you fire again. cables get only the 2-part test, because the fault isolation test set for the

In addition to the 2-part inspection, Sheridan will not work on the M60A2

All this good stuff will be in the EIR and Maintenance Digest TB 43-0001the fault isolation test set (table 2-4 in 36-3 and in future changes to the

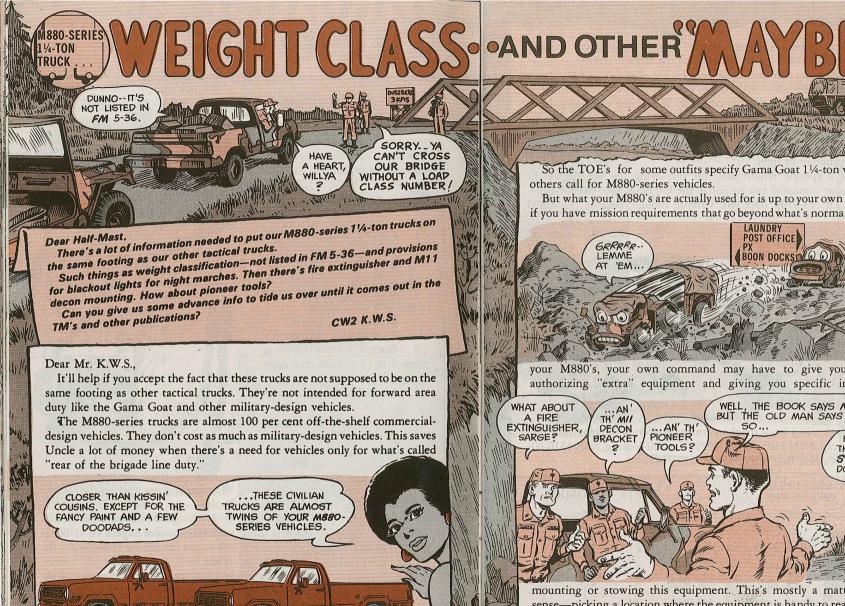
Don't wait, tho. Get these tests done

OU'LL BE BLAD YOU



NOT A JONES

CHECK THE CABLE



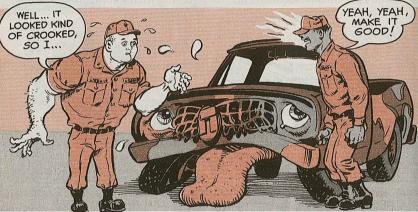


You could mount the M11 decon bracket behind the driver's seat by drilling 2 holes in the rear of the cab body for the bracket screws.

Fire extinguishers are standard equipment for the ambulances, but you can mount one in the cargo truck—on the driver's side, between the door and seat. This calls for drilling 2 holes in the cab floor. Watch that the extinguisher doesn't get in the way of seat operation.

Blackout lights may be coming—it's not for sure yet. In the meantime, you can just tape over your park and tail lights, leaving a thin slit or small hole in the tape for a pinpoint of light.

If you have a specific requirement for displaying the vehicle weight classification, your command can authorize the kit, NSN 9905-00-565-6267, mentioned in TB 43-0209 (Oct 76). Careful, though, because the M880



radiator grill won't take a lot of rough treatment. Recommended for mounting the kit is Screw, cap, NSN 5305-00-921-0929; Nut, self-locking, NSN 5310-00-959-7600; and Washer, flat, NSN 5310-00-215-7811.

			N	
WEI FIGU	GHT CLASS JRES ARE	<b>EMPTY</b>	LOA	DED
133			Cross- country	High-way
	Truck, cargo, 4x4 M880	2	4	4
N I	Truck, cargo, 4x2, M890	2	4	4
	Truck, ambulance, 4x4, M886	3	4	4
STATE OF	Truck, ambulance, 4x2, M893	3	3	3
	16	99		END

TROUBLESHOOTING . . . FAULT FINDING . . .

YOU SHOULD PUT IN A DA 2440!

HEY, SPEC DUDEK!...
THIS TEST WIDGET
IS GREAT!

You may have an idea for a better

You may have an idea for a better way to troubleshoot your equipment. Or an idea for a better piece of test, measurement or diagnostic equipment.

So why not let everybody else in the Army in on it? And maybe win some money, too?

Put in an Official Suggestion—DA Form 2440. Show how your idea is easier ... and saves money ... and does a better job. If you've worked up an item of test equipment, include a drawing or photograph with your suggestion. And be ready to send in the hardware if it's needed to evaluate your suggestion.

Finally, at the end of your suggestion form, recommend that your suggestion be evaluated by the test, measurement and diagnostic equipment people at: US Army Maintenance Management Center, ATTN: DRXMD-T, Lexington, KY 40511

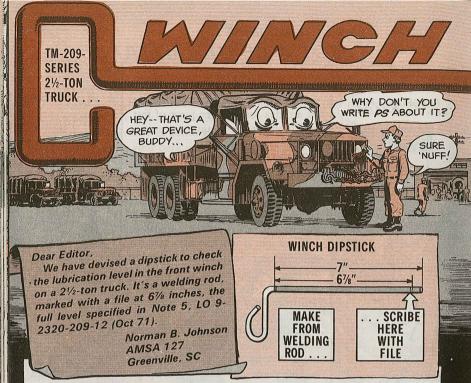


### TURN SIGNAL REPAIR

Did you miss it? Pages 35-37 of TB 43-0001-39-1 (Apr 76) give the poop on repairing those plastic turn signal controls that come apart when the screws tear out. It's also good for new controls—to keep 'em from coming apart.

#### NEW FOR TIRE VALVE

There's a better inner dual wheel tire valve extension available for your M39/M809-series 5-ton trucks. It comes with NSN 2640-00-250-2474. It replaces extension NSN 2640-00-200-1934, bracket NSN 5340-00-408-4800 and bracket nut NSN 5310-00-482-1025.



(Ed Note: Good thinking! Besides being easy and quick to make, that tool does a job that's too often neglected— or is done wrong.

Some drivers goof when they try to check the lube level in the 2½-ton truck's winch end frame housing. They think they should take out a side

plug-so they mess around with the drag brake adjusting screw. This can foul up the drag brake tension. Then there's nothing to stop the winch drum from overrunning the cable when it's bulled.

Or they don't read the LO. And they think the lube level's supposed to be up to the check-fill hole on top-a matter of several quarts.

One pint is all it gets—like the LO says. That's when there's none in there to begin with.

CHECK THE LUBE LEVEL-AND

WHERE YOU ADD LUBE IF NEEDED

## 0)//0/557//(5/3

If you want to go to the extra trouble, you can make a dipstick like's haven't used this kind of dipstick been in PS a couple of times.

3/16 OR 1/4 SCRIBE TWO MARKS AND APPROX. PAINT WHITE 1/4 PINT BETWEEN

Besides a FULL mark at 61/8 inches. it's got a mark at 73/8 inches. This shows the lube level at about 1/4 pint lever is in the engaged position. That's below FULL, so you can add just that much to bring the level up to FULL.

One more word to those who before—make sure the winch clutch

LOW MARK WINCH CLUTCH LEVER ENGAGED? (IT MUST BE ALL THE WAY TO LEFT)



all the way over to your left as you face the winch.)

M35A2, M54A2 CARGO TRUCKS

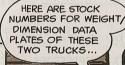
## 14 PUNISS and NSN

19

Coming up short on some of the data plates for your M35A2 21/2-ton and M54A2 5-ton cargo trucks?

NSN 9905-00-117-9294 gets you the Service Publication Data Plate for all 21/2-ton vehicles with multi-fuel

engines.





M54A2 with winch. NSN 9905-00-491-6842

M54A2 without winch, NSN 9905-00-911-5624



TM-218-SERIES 1/4-TON TRUCK . . .

Are you sure you've got enough oil in your M151A2 1/4-ton truck's engine for safe operation? At least over the reading if you put the dipstick in with ADD mark?

Maybe. It depends on how you put engine.

You get the right oil level reading too low. only when the finger loop is out away from the engine.





You'll get a wrong-higherthe loop toward the engine.

This is mighty important when the the dipstick in-with the finger loop oil level gets down close to the ADD away from the engine or in toward the mark. Your dipstick could show enough oil when the oil level's really



Get it right. Dipstick loop away from the engine. Safe oil level between ADD and FULL.

M416 CABLE'S

TOO MUCH

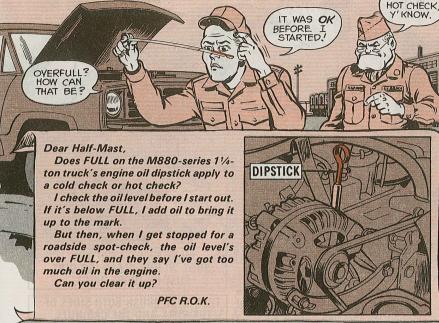
Next Month In 25

M60A2 TANK COMPRESSORS 4.000-LB TRACTOR TUG

AN/GRC-106 PM TOGETHERNESS \*

VULCAN

You'll get too much cable with NSN 2590-00-830-6663 listed on page 51 of TM 9-2330-251-14 (Oct 70). Get the 60-in intervehicular cable, NSN 2590-00-855-9304, for your M416 1/4-ton trailer.



OIL LEVEL TOO HIGH?

AND A

M880-SERIES 11/4-TON TRUCK . . .

Dear PFC R.O.K..

If you put the pieces together, in TM 9-2320-266-10 (Jan 76), it comes out like this:

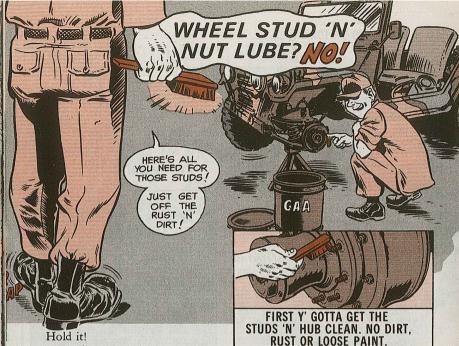
COLD CHECK—Just see if the oil level is at least above the ADD mark. This is to make sure you've got enough oil to operate the engine safely. (See PM Checks & Services, page 3-9, Item No. 4.)

HOT CHECK-After the engine has reached normal operating temperature, shut it down and wait for 2 minutes. Then check the oil level. If it's below FULL, add oil to bring it up to the mark. If it's over FULL, you've got to drain some to bring it down to the FULL mark. (See Trouble-shooting, page 3-20, Malfunction No. 8, Step 2).

NO MORE THAN FULL ON HOT CHECK ADD FULL AT LEAST TO ADD ON COLD CHECK 21

&GAKE

I'M STRANGLIN'!



You never put oil or grease on a wheel stud or lug nut. If you get 'em all slopped up with lube, there's a good chance the nuts'll loosen. Then the stud'll break off.

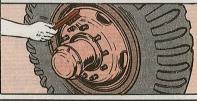
And then the wheel will fall off!
Lug nuts hold best when the threads
are just clean and true. No dirt, no rust,
no buggered threads—and no lube.

When you've got the nuts off, take a wire brush to the stud threads to get off dirt 'n' rust.

Hit the wheel with your wire brush, too. Get rid of dirt, rust and loose paint. You want clean, hard contact between the lug nut and the wheel.

This wire brushing is mighty important, too, for dual wheels—to make sure the 2 wheels are snug against each other.

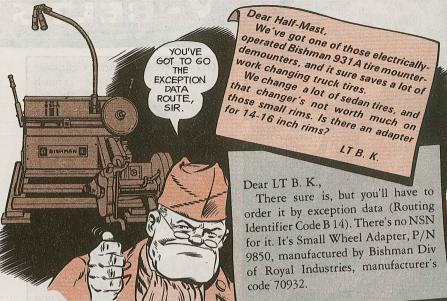
THEN WIRE BRUSH BOTH SIDES OF THE RIM—AND THE CAP NUTS.



CLEAN BOTH SIDES OF THE WHEEL RIM, TOO. IF THE LUG NUTS DON'T START EASY, LOOK FOR BUGGERED THREADS IN THE NUTS OR ON THE CAP NUTS.



#### SMALL RIM ADAPTER



### M149 DRAIN PLUG BUSHING



The drain plug in TM 9-2330-267-14 (Jun 71) in Fig 24, Item 7, needs a bushing to fit into the M149 trailer tank body. Use Part No. 7035106 or P/N 10944795 to order the bushing by exception data request from U.S. Army Tank-Automotive Materiel Readiness Command (TARCOM). Routing Identifier Code is AKZ.

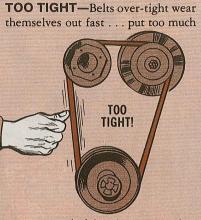
#### FIX FUEL FOOLER

Your M813—or other TM-260-series 5-ton truck—may have a fouled-up fuel transmitter. A poor electrical ground can give you a bum reading on the fuel gage. The fix is in TB 43-0001-39-3 (Oct 75), page 39, Article 2-16c. You just make a new ground by running a wire from the fuel transmitter to the nearest bolt on the frame.



## V-BELTS

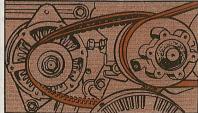
HEY, YOU OPERATORS ... NEVER FORGET TO FROM ANY OF THESE COMMON TROUBLES ..



pressure on shaft bearings . . . get shot down too soon. About 1/2-in deflection per foot of belt between pulleys is OK.



TOO LOOSE—Belts running with too much slack slip and slap and fray.



They cause generators to charge too low; they let cooling fans run too slow. MEAN "GO!"

ALINEMENT—Pulleys PULLEY out of line chafe the belt faces and shorten belt life.

DAMAGED PULLEYS-Chop on belts like knife blades.



OVERLOAD—Belts too small for the job (about the right length, but not broad enough or thick enough) will also wear out fast. Even with the right tension, they'll slip. A shiny groove



bottom tells you the belt's too small for the pulley. Or that the pulley's worn out.

THEY NEVER NEED LUBE OR PAINT...

YOU NEVER SHINE 'EM...

YOU SELDOM EVEN SEE 'EM WORK...







PULLEY GROOVE WEAR—Worn or dished-out grooves cut down belt



action. When sand or gravel get between belts and pulley faces, yow!

STORAGE—Store 'em in a cool, dry place . . . in matched sets. Heat causes cracking and shrinkage. If you hang



'em on racks, be sure they're out of the sunlight. Stack 'em, if in cartons.

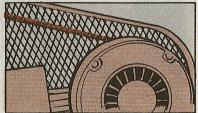
**CLEANING**—Oils and lubes weaken belts and cause 'em to slip. So wipe off the lube, clean the belt with drycleaning solvent, and wipe 'em dry again.



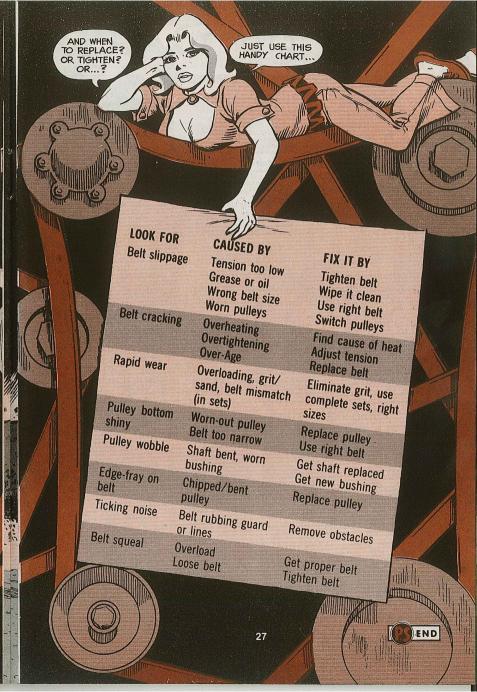
**REPLACEMENT**—Belts in sets are replaced in sets. Old belts stretch, but a new one put in with the old gets the whole load. Even if only one belt shows wear, change the whole set.

#### MECHANICAL INTERFERENCE

—Sometimes your ears can tell you when this is your problem. Listen for any ticking, slap or swish that'll tell you the belt's hitting 51AP! something, like a belt guard. You can't always hear when there's trouble, because other noises can drown out



belt problems. So when you pull PM, eyeball and feel to make sure your belt's in the clear.





trical Transient Suppressor

164(V) Receiver-Transmitter

Night Vision Driver's Viewer

Radio Terminal Set

Antenna

timeter

Antenna Group

Ch 4, TM 11-5815-238-12 Nov AN/GGC-

TM 11-5820-467-24P Dec AN/GRA-50

TM 11-5820-759-20P Dec AN/GRC-165

TM 11-5821-311-20P Dec RT-1167/ARC-

Ch 9, TM 11-5840-298-12 Nov AN/PPS-

TM 11-5855-249-10 Nov AN/VVS-2(v)

TM 11-5895-585-24P Nov AN/MRC-115

TM 11-5985-262-20P Dec AS-1729/VRC

TM 11-6625-366-10 Nov TS-352B/U Mul-

TM 11-6625-601-20P Dec MK-733/ARC-

3(), AN/GGC-53(), TT-76() & TT-699()

**TECHNICAL MANUALS** 1, TM 3-4240-279-20&P Dec

M17/17A1 Mask Ch 1. TM 3-6665-308-10 Sep AN-M2 Water Testing Kit, ABC-M30A1 Chemical Agent Detector Refill Kit

Ch 2. TM 5-6350-262-14/14 Nov Joint-Services Interior Intrusion Detection System J-SIIDS

Ch 3. TM 5-6350-262-14/14 Nov J-SIIDS TM 9-1340-418-20P Sep BATS TM 9-1410-375-20P Oct Pershing 1A

TM 9-1410-485-20P Nov Lance TM 9-1430-526-24P Jan Inproved HAWK TM 9-1430-535-24P Sep Improved HAWK

Ch 6, TM 9-2320-206-20 Nov 10-Ton Truck, M123, M125-Series TM 9-2320-209-10/1 Oct 21/2-Ton Mul-

tifuel Engine Trucks Ch 3, TM 9-2320-233-20 Jan 8-Ton Truck Ch 1, TM 9-2320-260-20 Nov 5-Ton Truck, M809-Series

Ch 1. TM 9-2320-266-34P Nov 11/-Ton Truck, M880-Series Ch 1, TM 9-2350-215-ESC Nov

M60/M60A1 Tanks TM 9-4935-385-20P Sep Pershing 1A TM 9-6920-530-24P Oct Improved HAWK

TM 11-5805-337-20P Nov AN/FCC-19, -25 Telegraph Terminal Ch 9, TM 11-5815-204-20 Dec AN/GRC-46() Radio Teletypewriter Set

TM 9-1430-588-20P Nov Radar AN/MPQ-

54 Electronic Eqpt Maint Kit TM 11-6625-822-20P Nov SG-321B/U Signal Gen TM 11-6625-1621-20P Dec AN/PRM-31()

TM 11-6625-2384-20P Sep AN/USM-272

TM 38-230-1 Sep Packaging, Materiel Preserv (Vol I) TM 55-1510-209-23-1, Vol I; -2, Vol II Dec Unit and Intermediate Maint U-21A, RU-

TM 55-1510-214-23 Oct Unit and Intermediate Maint RU-21B, RU-21C

TM 55-1510-215-23-1, Vol I; -2, Vol II Dec Unit and Intermediate Maint U-21G, RU-21E. RU-21H

Ch 9. TM 55-1520-210-PMS Sep UH-

TM 55-1520-214-10 Dec OH-6A TM 55-2840-229-23P Sep T-53 Engine

MISCELLANEOUS

Ch 1, AR 750-58, Oct: Maint of Supplies & Fauinment

FM 9-45K1/2 Jul Tank Turret Repairman Skill Level 1 and 2 LO 3-1040-225-12 Sep Compressor.

LO 3-1040-225-12 Sep Compressor, Recip 50-CFM, 3,000-PSI Davey LO 9-2320-209-12/1 Sep 2½-Ton Truck LO 9-2320-211-12 Nov 5-Ton Truck, M39-Series LO 9-2350-256-12 Jul M88A1 Recovery

Vehicle SB 708-21 Jan Fed Supply Class Part I— Groups and Classes

SB 742-1336-92-012 Dec Missile Components, Improved HAWK SB 742-1336-92-014 Dec Missile Com-

ponents, Imporved HAWK SB 742-1337-92-015 Dec Missile Components, Improved HAWK

TB 9-1425-485-10 Nov Lance TB 11-5830-340-12 Nov Keep Your AN/VIC-1 Peaked Up

TB 55-1500-337-24 Dec Phased Maint System-Army Aircraft

TB 55-8100-200-24 Dec Maint of Reusable Containers for Aircraft Egpt

#### AUDIO-VISUAL STUFF— Available at Your Local TASO

TEC LESSONS 020-171-1628-E Prepare M551 for Swimming 020-171-5305-F Servicing. Maint Top-Loading Air Cleaner

020-171-5306-F Servicing, Maint Side-Loading Air Cleaner

043-441-5941-F Vulcan 201-113-4501-F Prep Radio Set AN/PRC-77 for Operation Part I (Installation) 201-113-4503-F Presetting Freq on Radio AN/PRC-77 201-113-4506-F Install Radio Set AN/GRC-106, Perform Preoperational Checks 201-113-4507-F Preliminary Start Procedure, Starting Procedure Radio Set

AN/GRC-106 201-113-4508-F Tuning Procedures, Operating, Stopping Procedure for Radio Set AN/GRC-106 201-113-4509-F Operator PM

Checks, Services, Troubleshooting Radio AN/GRC-106 201-113-4512-F Control Group AN/GRA-6, Part II

201-113-4601-A Radio Teletypewriter Commo Procedures Part I

947-071-0106-F Claymore Mines-Intro, Circuit Testing, Emplacement

#### FILMS and MOVIES

GTA 3-5-12 M8 CS Cartridge Launcher GTA 3-8-10 M9-Series Portable Flamethrower GTA 5-4-29B Operation 6.000-lb Rough Terrain Forklift Truck

GTA 5-4-30B Operation 10,000-lb Rough Terrain Forklift Truck GTA 7-1-26 M16A1 Rifle — Mechanical Training GTA 9-9-4 M219 Machinegun GTA 10-1-3 Immersion

Heater (Part II) GTA 10-2-16 Tank and Pump Unit (Part II) Operating Procedures in Field GTA 11-3-12 Radio Set

AN/PRC-74-B TF 38-4794 Preservation:

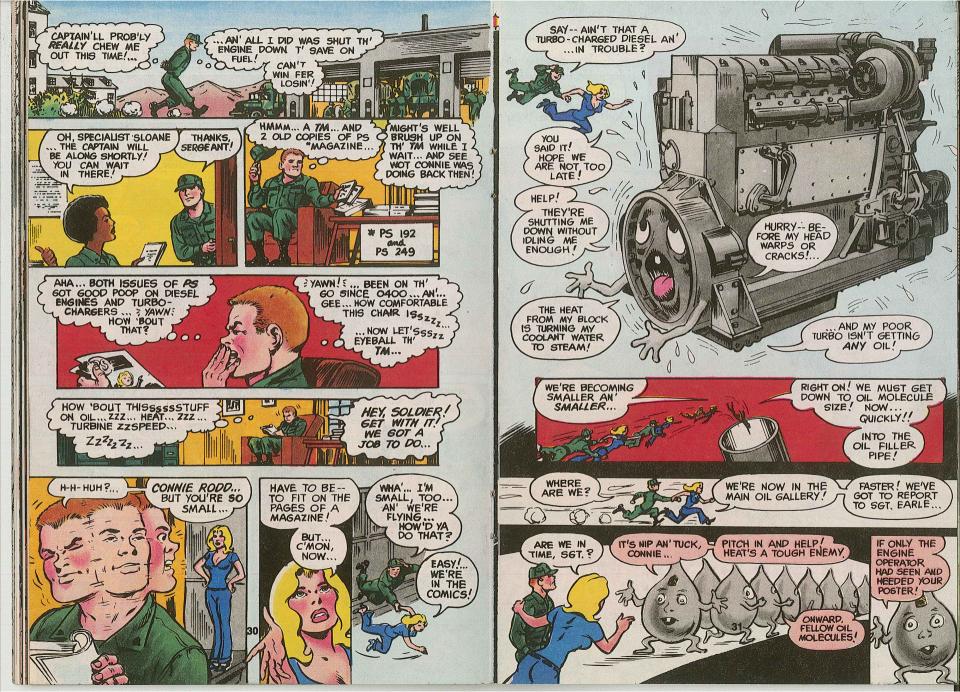
#### M2 Burner Unit

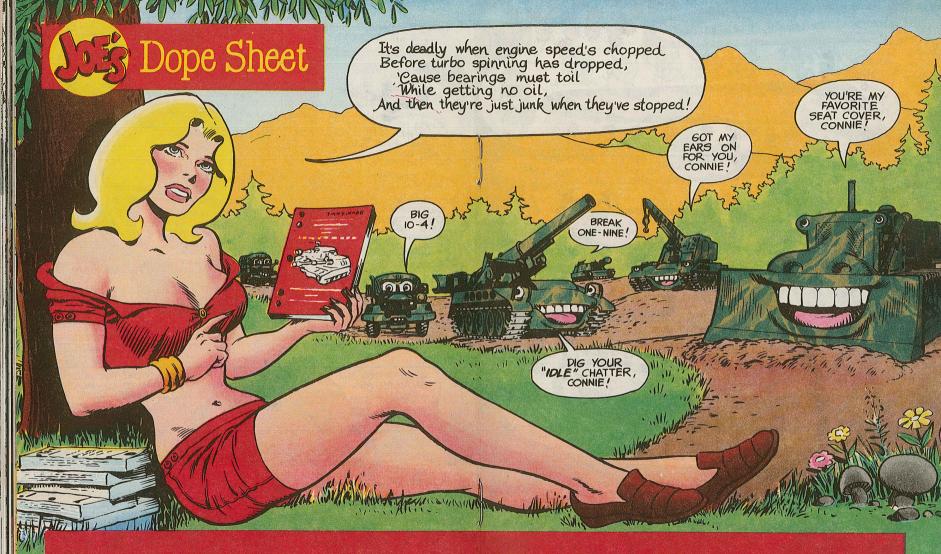
A new instruction decal for the M2 gasoline burner is available under NSN 7690-00-999-2509. This decal shows the new operating pressure of 6 with M880-series vehicles. So, you'll just have to to 8 PSI. It's listed on the AMDF for 38 cents. load the spare in the trailer or the truck.

### Trailer Jire Jale

No mounting kit for M101-series trailer spare tires has been developed for those trailers used

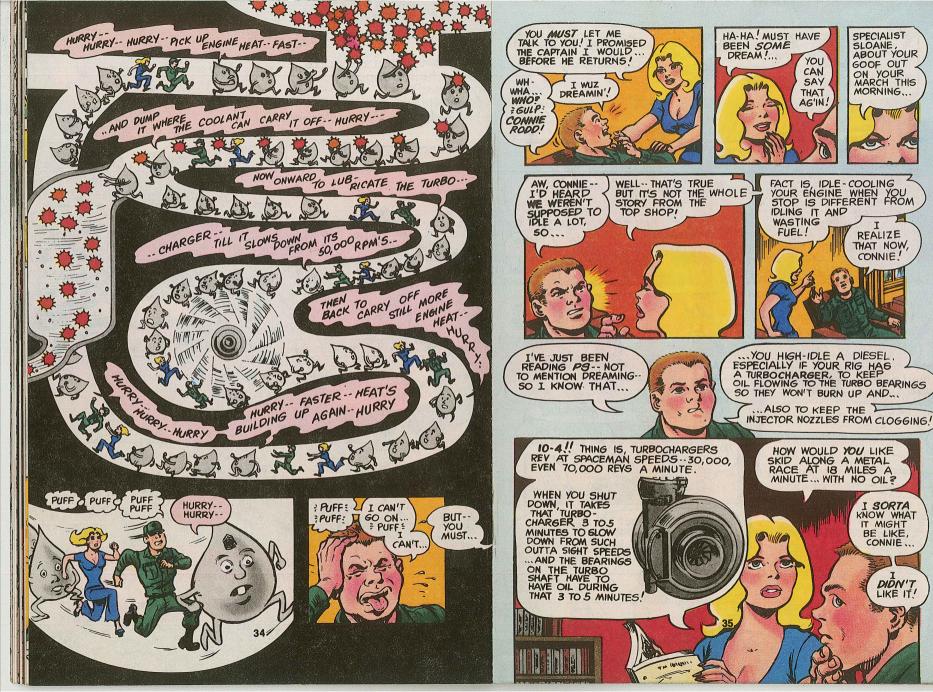


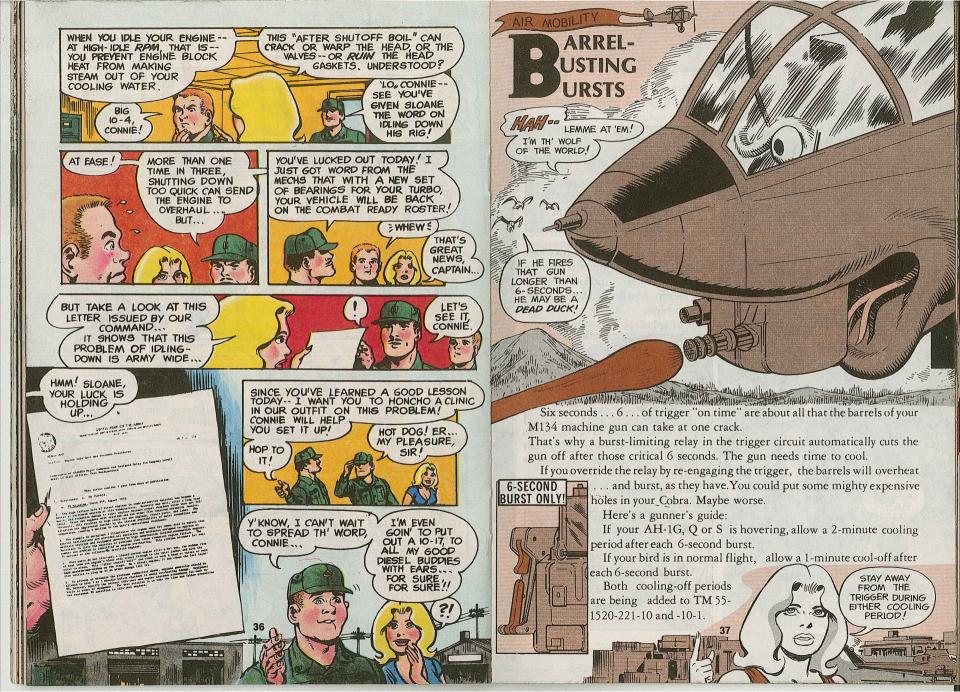




WE HAVE THE WORLD'S BEST EQUIPMENT ... Take care of it

IF YOU WANT TO DISPLAY THIS CENTERPIECE ON YOUR BULLETIN BOARD, OPEN STAPLES, LIFT IT OUT AND PIN IT UP.







There is a villain on the loose, just waiting to attack your thin-skinned aircraft.



His name? Corrosion!

Corrosion gets his start anywhere and any time on your aircraft. He hides in dirt that attracts moisture. Before long he's found a home, chewing away on your birds.

He's hard to spot and even harder to



stop. The only way you can deal with this menace is to keep him under control, with regular preventive maintenance.

Routine cleaning of all your birds is a "must".



salt in the air helps to breed more of spot. his kind. A weekly washing is called 76), on corrosion control.

weather conditions, monthly washings are in order.

TM 55-1500-333-24 (Oct 74), Cleaning Procedures For Army Aircraft, has all the info on cleaning your birds. When you make with the soap suds, be sure all drain holes are open so you never end up with trapped water.



Also, clean dirt out of crevices and seams . . . any place where the brute can breed.

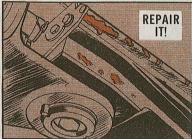


Corrosion is at work where nicks, digs and scratches go thru the paint and into bare metal. So, repair the damage, now!

Sometimes corrosion is real sneaky and hides under paint. But you can spot him during your PM inspections,

If you're located in a coastal area, in the form of a raised or puffed-up

'Course, the paint has to be refor in para 2-9 of TM 43-0105 (Apr. moved. The metal is then cleaned. treated and repainted according to the Elsewhere, depending on local poop in para 2-11 of TM 43-0105.



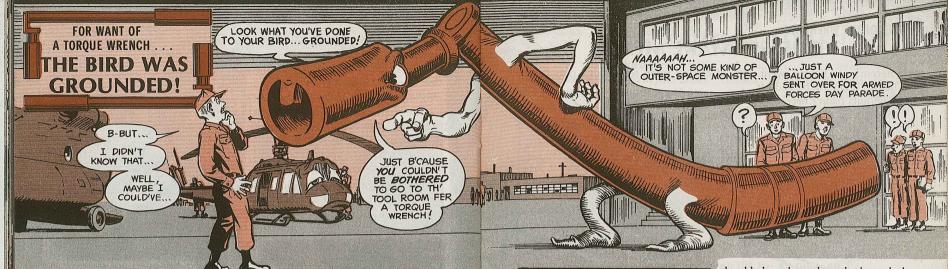
Your support outfit can be of help

Yessir-e-e-e, early detection of the villain will prevent major structural repairs and parts replacement to your aircraft. So during your checks, look behind fairings and access panels where he could get a toehold.



EARLY DETECTION—NO BIG REPAIRS





wrench on aircraft parts? Just about wrench handle, tho, means you'll go maintenance chores!

your engine shop buddies can come to grief on the simple replacement of a T-53 engine chip detector plug in the Huey or Cobra. That baby gets the "big

How important is using a torque An uncalibrated arm on a socket most important of all beyond that figure and strip out the threads in the accessory drive gear For example, you crewchiefs and box. What follows is pure mayhem.



should be cleaned and the whole system checked.

Meanwhile, back in the engine shop, the accessory gear box comes off and is tapped for a new chip detector plug insert. 'Course, only so many inserts can be used. When the shop runs out of oversizes, due to several over-torques, a new accessory gear box is needed.

Finally, when you get the engine back in the bird an engine installation check is required.

Add up all the extra sweat and elbow grease and the picture becomes clear.

The engine has to be removed from the bird. After all, you can't tap the gear box for an insert and let the chips fall where they may-into the engine oil system!!

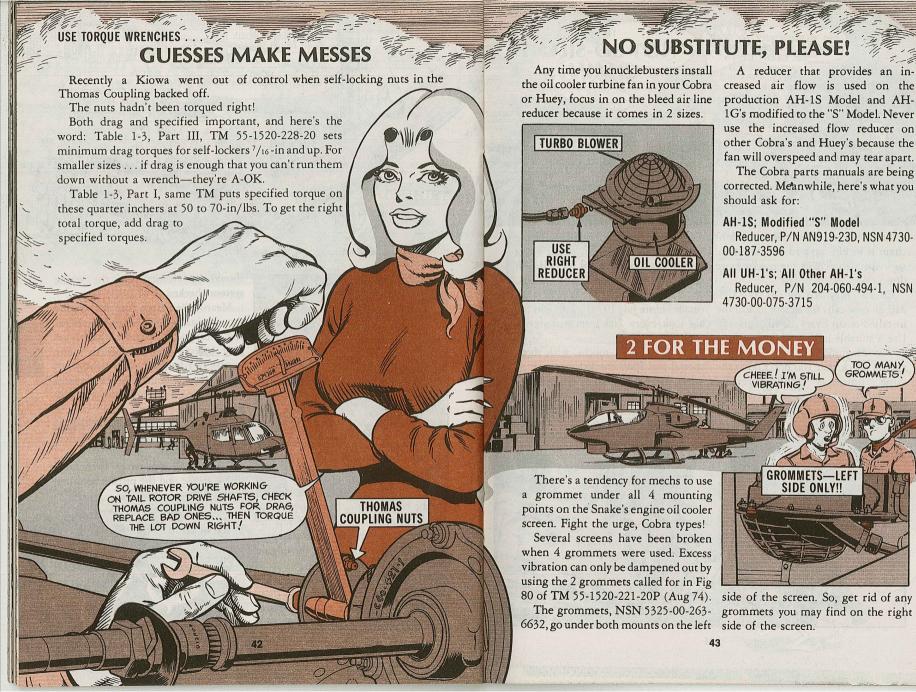
TIGHTEN THE CENTER

POST NUT TO NO

**MORE THAN 15 IN-LBS** 

You never can tell if metal from the stripped threads got by the oil filter and into the oil cooler, either. To be on the safe side, the oil cooler in the bird

OU'VE GOTTA GET THAT TORQUE WRENCH OUT OF THE TOOL ROOM!





The Huey and Cobra tail rotor silent chain is kickin' up a ruckus, birdmen, so inspect the chain for cracks more often.

210-20 now calls for a close look at the installed chain every 10 flight hours. Use a suitable light, with at least a 3power magnifying glass. This is a special check that you don't do at the special and PMS checks! same time as the preventive maintenance services (PMS) inspec-

'Course, the PMS cards call for the removal and inspection of all silent chains for cracks every Periodic. If your bird has a dark chain, P/N 205-Ch 25 (May 76) to TM 55-1520- 001-721-1, NSN 1615-00-172-4508 (made before July 1974) it also gets the big look every 2nd Intermediate inspection.

Hang in there, mechs, with those

CHECK HERE, CAREFULLY.





Here's a time-saving Kiowa tailrotor drive shaft installation tip that'll bearing hangers and shaft splines.

Follow the step-by-step info in TM 55-1520-228-20 (Oct 72) para 7-26. but wrap a layer of pressure sensitive tape around the splines at the forward

end of the shaft. NSN 7510-00-472-4021 will get you a roll for \$4.05, Be cut the chance of damaging bearings, sure to cover the splines and the first 1/4 inch of the smooth part of the shaft. Use some petroleum jelly on the tape.

When you've threaded the shaft through all 6 bearings, remove and discard the tape.

> SP5 Morgan D. Russell Louisiana ARNG

> > (Ed Note-Sounds real good.



#### THE RIGHT PUMP

Dear Editor.

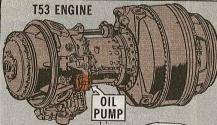
Mechanics; and even TI's at units I've served with, don't agree on whether Seq. No. 5.31, TM 55-1520-210-PMS refers to an oil pump or to fuel pumps.

The Huey -20 and -34 make no reference to a "power driven rotary (booster) pump," but that's what the PMS says to inspect.

So, some mechanics inspect the fuel pumps. This is wrong! The right pump is described in paras 1-58 thru 1-63, and shown as item 3, fig 5-41 of TM 55-2840-229-24, on T 53 engines. Please pass on the word.

> SP6 James G. Neal Ft. Meade. MD

(Ed Note-Thanks for the careful eye!)



THE 753 ENGINE TAN SPELLS IT OUT -- CHECK THE OIL

REALLY

SIMPLE

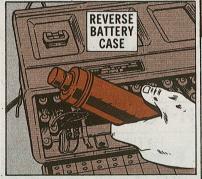
LADS!

## ON YOUR SB-22 A LITTLE PAGOES OVER BG

KEEPING YOUR
SB-22 SWITCHBOARD
IN TOP SHAPE'S ONE OF
THE EASIEST THINGS
YOU CAN DO.

ALL IT TAKES IS CONCERN AND PM CARE...

BATTERY CARE—Before you throw away those BA-30 batteries 'cause the red light dims and the audio weakens, reverse the battery case. Those batteries may have a lot of life left in 'em.



Two batteries are all it takes to give you the 3 volts needed to operate the night alarm and light switch. The other 2 generate a similar voltage to power the operator's telephone.

The power drain is different since the alarm circuit usually pulls more juice than the operator's circuit. Result—a slightly uneven drain on the batteries.

So, hold off throwing away all 4 batteries. Just pull out the battery case, reverse it and put it back in.

HERE ARE SOME PAN GOODIES FOR YOU...

COULD YOU LOOK OVER MY BATTERIES, MACON?



NO ROUGH STUFF—And, no rough handling when you're replacing batteries or you'll wind up with bent or broken springs and contacts. A simple battery-changing job can turn into a big maintenance one.

To keep your contacts and springs in good shape, do like it says in TM 11-5805-262-12 (Dec 60) when you have to change batteries—

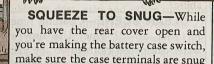


Put your index fingers on the battery case and caps.

Pull the case out.

After replacing the batteries, put the case on the contacts and press it into the spring contacts. MACON, WILL YOU DEMONSTRATE EXACTLY HOW TO "SQUEEZE TO SNUG"?

OH, SPARKS, SOMETHING'S HAPPENED TO MY LINE WIRE.





in the contact springs. Just a little pressure is all that's needed. To give 'em good contact gently squeeze the springs.

HEY, LOOK 'EM OVER!—If you have not looked at your batteries lately, do so. That's because the batteries keep working even when your switchboard is not. They can start leaking at any time so look 'em over often.

When you know you're not going to be using the switchboard (and any other communications/electronics equipment that uses dry batteries, for that matter) take out the batteries.

Most of the damage from battery leakage comes from leaving batteries in gear when it's not being used. BEAT THE
BIND— Sometimes the binding posts bind
and will not
grab the line
wire. When this



happens, put a dab of silicone grease NSN 9150-00-257-5358, 8 oz tube, in the line wire holes, or in the hollow just under the binding post screw.

That'll keep the post mechanism from sticking so you can complete the line-wire insertion.

**LATCH BOTCHER**—Take a second after you close the rear cover of your SB-22 to make sure the recessed latches are fully latched.



If dirt gets into the recessed slots, or if the cover is not closed all the way, the latches stick out. Next thing you know they get broken off when your switchboard is laid in a truck or gets snagged on something.

MORE

#### DOODLING. DIDDLING

TABOO-Doodling on and diddling with your switchboard can make a maintenance mess out of it. The sad part is it never has to happen.



That traffic diagram board is marked so you can tell at a glance just what lines go where. But, when it's used for a blackboard with a pencil, They may look clean but make sure chalk-or worse . . . a screwdriverthat's damaging doodling.

Then, there's the operator with time to kill. So, the plugs are pulled out, cords are twisted into all shapes, or tied into knots for practice. This may be great for passing time, but it'll wear out the wiring needlessly.

Another time passer that's no good for the plug or signal is when the plug



is pulled out and let fly back in place. The plug takes a beating as does the signal cover that happens to be in the way-and, that's damaging electrical diddling.

SWITCH PITCH-Think twice before playing with your switchboard switches. Switches get a lot of use and



they can take it. But, why give 'em

CLEAN SCENE—Cleaning time for your SB-22? Fine! Use only a water-dampened cloth to do the job. Solvents can discolor the designation strips, and rub the luminous-painted eveballs right off the balls.

Eveball those plugs at the brass end.



they are clean. Rub a plug with piece of treated cotton polishing cloth NSN 7920-00-985-6849 to get rid of the dirt. A clean plug will get a better signal for you.

TWISTER TALE—Tug or twist on your SB-22 cord or cable and you'll tear out the wiring. With the U-161 connector on the H-144 headsetmicrophone, too much twisting'll break the spring sheath. Then, the cord protection is gone.

Always use the connector or jack sleeve to disconnect. This'll take the strain off the cord.

#### MOISTURE IS A MESSER-

YOUR 58-22 MUST ALWAYS BE KEPT DRY...

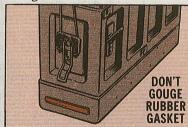
HERE'S HOW ..

Heavy dew, rain and other moisture can be very unfriendly to your SB-22. They can put your gear down and out. To beat these switchboard knockers. give 'em the ol' knockout punch with a swipe of a clean, lint-free cloth.

Wipe the exposed wiring, cords, plugs, line packs, connections, terminals and binding posts. This'll put your switchboard back in business.

#### TIP FOR TYING IN WD-1-

When you're tying WD-1 field wire into your SB-22, make a small loop at the end of the wire or even double the wire before putting it through the thick gasket on the side.



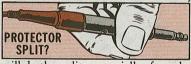
That gasket's tough, but it's not tough enough to take the gouging you give with the blade of a screwdriver. All you have to do is chip off a few chunks of rubber and all kinds of junk can get inside the switchboard.

LIFE-SAVER—When there's no-talking time, turn the push-to-talk switch to OFF. If you leave the switchboard powered and on, you could end up with a knocked-out



transmitter carbon element. The ON position also eats up those BA-30

CURE THE SPLITS—At times. that rubber protector on your switchboard's electrical cord assembly

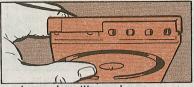


will do the splits, especially after a lot of use. This does not do your TA-222 line jack or TA-326 trunk jack cord assembly any good.

To stop the splitting, cut around the cord with a single-edged razor blade or a sharp knife. Trim off the split portion of the sleeve. Then, taper the

Take care to avoid cutting the cord . . . or whittling your fingers.

IF AT FIRST ... — Use care when you push a TA-222 line pack or TA-221 operator's pack in place. Be

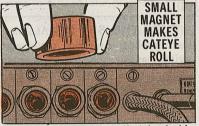


careless and you'll crunch one or more of the 8 plastic female receptacles for the TA-222 or 20 plastic receptacles for the TA-221.

To keep the pack and you out of a bind, line up the pack and push it in straight. If you feel resistance, back off and try again.

#### CATEYE HEADACHE-

Banging on your switchboard to free the cateves in those hermetically sealed line signals can cause more than a headache. It can break the lens.



To get the eye to roll right, hold a small magnet above the signal. This makes the eve roll back like it's supposed to do.

PARTY POOPER-Never use your switchboard for a picnic table or clothing catch-all. That means keep soda pop, snacks and coffee off it. It's no picnic when spilled food and drink damage your SB.

HEADSET HANDICAP-Back off the squeeze when it comes to putting the front cover on your switchboard. You can crunch the



headset or plugs on the telephone circuit panel. This pressure'll bend plugs or break the headset.

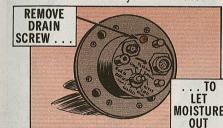
Pack your headset in the cover, like in Fig 25, Ch 4 of TM 11-5805-262-12. Then, make sure the cover is lined up on the case before putting pressure on the lock latches.

SHOCKER KNOCKER—Before you get comfortable operating your switchboard, make sure your gear is grounded with a MX-148/G ground rod, like it says in Ch 6 to your TM. This may save your SB-22 and you from a wayward electrical shock.





the water woes in your MX-6707:



screw after the unit is dry.

These PM tips will help you knock snug between the matching unit base and lower case like it shows you in Fig 2-3 in Ch 4 to TM 11-5985-262-15 (Mar 69).



Keep the steel reinforcing ring NSN 5985-01-012-5425 in place. MOISTURE Besides knocking away damaging water, the ring'll help equalize the Remove the drain screw often to let pressure on the plastic bowl around the wet out. Be sure to replace the the bolts. This'll keep the bowl from cracking.



Everybody knows that to zero multimeters like the TS-352B/U, AN/URM-105 and the Simpson 160, you touch the red and black probes together and turn the ohms adjust knob until the needle zeroes. Right?

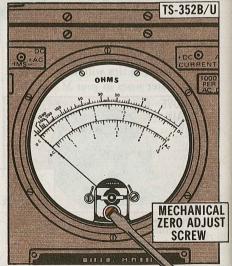
Well, right, but . . .

That's the electrical adjustment, and you do it whenever you want to measure ohms.

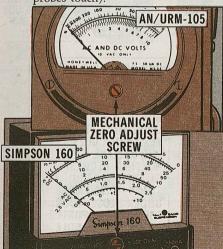
There's a mechanical adjustment that a lot of people don't know about, and it should be done before you even use the meter. It insures accuracy . . . and can prevent unnecessary replacement of parts or components.

The 3 meters above have a mechanical adjustment screw on the meter face or just below it. The pictures show you where it is on each meter.

Everybody knows that to zero To mechanically adjust the meter, multimeters like the TS-352B/U, turn the screw clockwise or AN/URM-105 and the Simpson 160, counterclockwise until the needle



splits the zeroes on the lefthand side of the scale. The meter switches can be in any position (just don't let the probes touch).

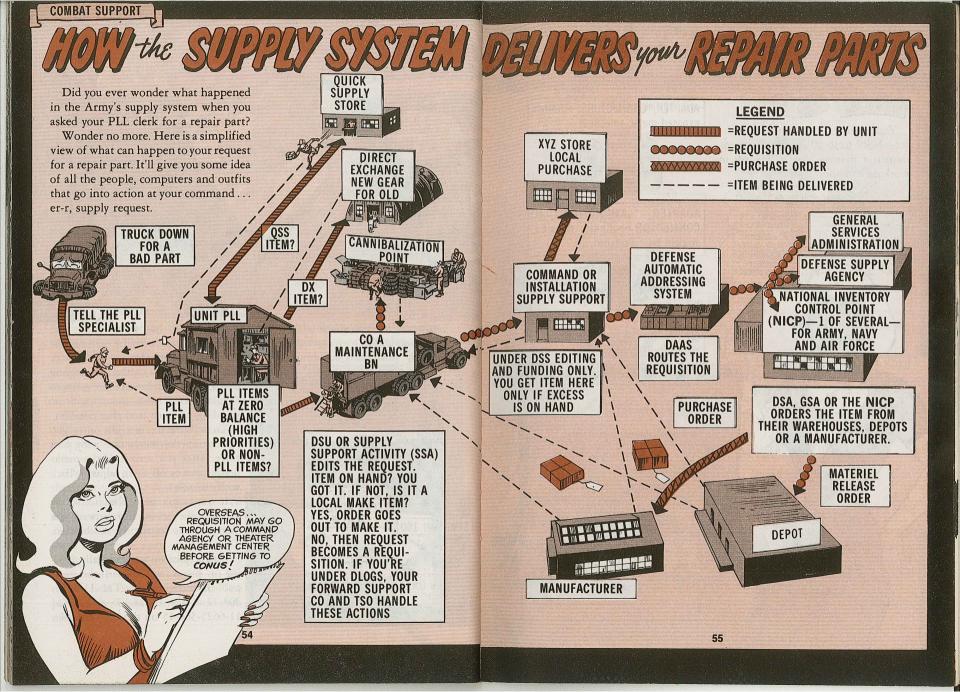


Your best bet is to make the mechanical zero with the meter in the position you intend to use it. If you're going to use it with the meter lying down, then lay it down before you zero the meter. If the meter will be standing up, zero it in that position.

To be sure you're right on target, lightly tap the meter face with your finger after you zero it. If the meter needle moves off zero, adjust it back with the screw.

If you can't zero the needle by turning the screw either way, the meter needs repair or calibration. Turn it in.

Instructions on mechanically zeroing a meter will be in the next published changes to TM 11-6625-203-12 on the URM-105 and in TM 11-6625-366-15 on the TS-352B/U.



# SOCUTIET LIGHT SET

Your general illumination light set—NSN 6230-00-299-7077—needs more'n a passing look to keep it in working condition.

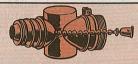
WHEN YOU'RE GETTING IT ALL TOGETHER --FOR USE OR STORAGE --

LOOK
FOR THESE
EQUIPMENT
DOWNPUTTERS...

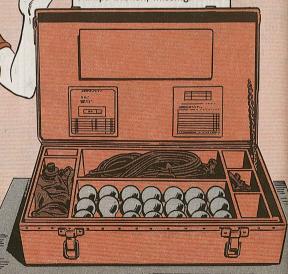
ADAPTER, CONNECTORS — Rotten, exposed metal; smashed.



ADAPTER, LAMPHOLDER TO CONNECTOR — Chain missing, straight type damaged.



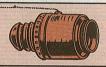
CHEST—Busted, leaks; locking clamps broken, missing.



COVER, ELECTRICAL CONNECTOR— Missing, rotten.



DIMMER, LAMP—Chain missing; threads damaged.



LAMPHOLDER, LOCKNUT—Broken, missing, deteriorating.



LAMP, INCANDESCENT — Missing; screwbase damaged.



LIGHT EXTENSION — Threads damaged; switch missing; terminals bent, broken, corroded.

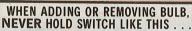


REFLECTOR, LIGHT—Missing; won't fit the electrical harness.



SHIELD, TELESCOPING LAMP— Smashed, missing.

TWINE, COTTON—(Used to keep track of electrical connector cover) missing.





ALWAYS HOLD RECEPTACLE LIKE THIS . . .



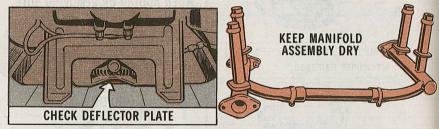
When you have the set operating, eyeball the items each week. Clean the lamps, reflectors, terminals and connectors at least monthly.

You can see the set's parts listed in SC 6230-97-CL-E01 (Jan 75).



getting noisier and burning more fuel?

Take a look at the manifold assemblies—NSN 2805-00-893-9843—and the crossover pipes—NSN 2990-00-570-2935. Could be they've rusted out



because you let water collect in the shallow pan under the engine.

There's a 3/4-in drain hole in the center of this deflector plate. If it's clogged up, water from rain-or a hosing down-fills the pan. Even the corrosion resistant steel exhaust pipe will get gnawed thru with rust if it stays waterbound very long.

Be sure the drain hole is clear. It'll help if you run the engine 3 to 4 minutes after hosing down the set. This'll dry the pipes 'n' pan.

You can reduce the noise level, downtime, parts replacement and fuel consumption if you keep the pan, manifold and exhaust pipes dry.

COMMERCIAL CONSTRUCTION EQUIPMENT . . .



#### TAIL PIPE TWIST

COUNTER-

CLOCKWISE

LET'S DO TH' TWIST -- 45°, THAT IS!



Exhaust air from your 25-ton hydraulic crane's down-pointed muffler pipe kicks up a heap of metaleating dust. It can also stop your TURN 45° engine with back pressure buildup if you're working in soft ground.

take extra PM time for the cleanup the vertical. chores.

downward, fix it like so: Loosen the exhaust air.

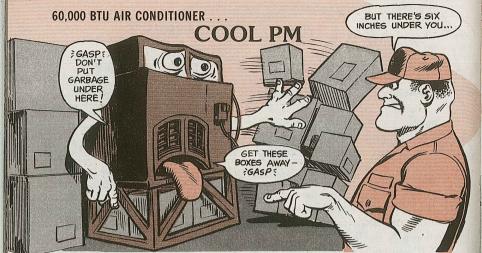
Your machine's exposed working clamp on the tail pipe and turn the parts take a fearsome beating and you pipe backward about 45 degrees from

This fix cuts down the dust and If your crane's exhaust pipe points stops back pressure buildup from

J.I. CASE LOADER

### THROTTLE CONTROL CABLE CAPER





conditioner ready for maintenance- condenser intake louvers on the free operation calls for special atten- bottom of the unit. tion to TM poop.

204-15 (Mar 71), says the unit has to be level—and at least 6 inches off the ground, hardstand or floor.



Here's why: You gotta have enough space under the unit to keep air dehumidified air.

Getting your Model A-60 air flowing freely thru the 2 sets of

Outside air is drawn in thru these Frinstance, para 2-3a, TM 5-4120- louvers—and the ones on the side—to cool the condenser coil.

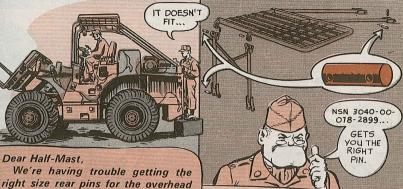
> Keep these bottom louvers in tiptop shape. Be sure you can open 'em free 'n' easy with your hand. When you let go, be sure they drop and close completely by their own weight.

> If the unit is not high enough off the ground-and these louvers don't work-you're in for a heap o'heat trouble.

> Like maybe the discharge (head) pressure rises and trips the compressor high pressure safety switch .... the unit stops cooling . . . even tho the fan keeps running. Things could really heat up in a hurry! You'll wind up with maintenance downtime you could do without, and the equipment in the van or shelter is without cool, filtered and

6.000-LB RT FORKLIFT . . .

### **NSN FOR BIGGER PIN**



guard on our 6,000-lb RT forklifts. The ones we order-NSN 5315-00-763-0125-item 2; fig 5, page 2, TM 10-3930-242-20P/2 (May 74)-seem too short and too small. Can you help?

MSG W. L. S.

Dear Sergeant W.L.S., Sure thing!

You're getting the wrong item for a fact. Use NSN 3040-00-078-2899 for a longer, larger pin. Action will be taken to put the right NSN in the manual.

MUST POWER PLANT . . .

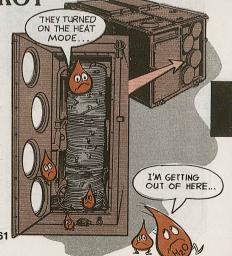
STOP ROT Here's a PM tip that'll save you

some labor and parts on your MUST turbine engine power plant. When you get ready to shut down

the equipment, let 'er run on the heat mode until the air conditioning outlet compartment is dry, dry, dry!

Getting rid of all the moisture in this storage area will stop air duct rot . . . mildew . . . stale air buildup . . coupling and strap corrosion.

This PM poop is being added to para 2-15, Preparation for Stopping, in a change to TM 5-6115-586-12 (Jun 72).



### **GETTING 'EM**

I THINK IT IS...

Data plates, decals, ID plates, labels and marking instructions can be elusive creatures unless you know where to look.

Several scattered sources are available to replace a missing or illegible plate, marker, label or decal. One or more should list what you need for your equipment.



ISNIT





Equipment parts (-P) TM's—Normally list some ID and data plates.

Supply Catalog, C 2590-IL (microfiche)— List of blank, designation, ID and instruction plates for wheeled and tracked vehicles.



Supply Catalog, C 6700/9500-IL—Has decals, labels (paper and plastic), plastic ID markers, plastic pressure-sensitive markers and decal repair tape, Class 7690 (medical items only).

Supply Catalog, C 7510/30-IL (microfiche)—Lists marking stencils in Class 7520.



Supply Catalog, C 9900-IL (microfiche)— Lists plates, alphabetically and by NSN in Class 9905, ID Plates, Signs, Advertising Displays.

DA Pamphlet 310-2—DA labels and DD Forms.

General Services Administration (GSA) catalog-lists stencils, decals, blank plates in classes 7520, 7690 and 9905.

If none of these sources lists the marker, plate or decal you need, have your support make one.

Send in an exception-data request, giving all the info you can. List the equipment (type, manufacturer, code and serial number), size of plate, material of plate, wording and any other info you can give.

Stencils in your No. 1 and 2 Common tool sets will fill the bill for many hand-painted signs and markers

Most operator's manuals tell where to place plates, markers, decals and labels.

#### PLACEMENT AND REQUIREMENTS





AR 58-1-Administrative Use Vehicles (Chap 8 on ID and Marking.)

AR 385-30—Safety Color Code Markings and Signs.



AR 700-84-Appendix A, Marking of Selected Clothing and Equip.

AR 750-58—Painting, Camouflage Painting, and Marking of Army Materiel.



43-0116—Identification of Radioactive Items.

TB 43-0118—Painting, Preserving ECOM Equip.

TB 43-0122—Safe Handling, Identification of ECOM managed Radioactive items.

TB 43-0144—Painting of Vessels.

TB 43-0166—Color. Marking, Camouflage Pattern Painting of Improved HAWK Ground Support Equip. TB 43-0209—Color, Marking and Camouflage Painting of Military Vehicles, Construction Equip, and Materials Handling Equip.

TB 43-0147—Camouflage Patterns. Color and Marking on TROSCOM Equip. TB 9-1425-380-14-1—Color, Marking, Camouflage Pattern Painting Pershing Missile and Ground Support Equip.

TB 746-93-2—Painting, Marking Army Aircraft.

TB 746-95-1—Color, Marking, and Camouflage Pattern Painting For Armament Command Equipment.

TM 5-618—Paints and Protective Coatings (Para 11.1.5, Stenciling.) TM 10-1101—Petroleum Handling Equip and Operation (para 133, Identification of Facilities and Equip.) TM 43-0139—Painting Instructions for Field Use.

TM 55-1500-204-25/1-General Aircraft Maint. Manual (Table 22 lists plastic for designation plates.) SB 11-631—Identification Plates, Name Plates for Commo Equip

(depots make commo equip plates not in the supply system.)

Army pubs can be ordered from AG Pubs Centers in Baltimore and St. Louis on DA Form 17.

MIL-STD-101B-Color Code for Pipelines and Compressed-Gas Cylinders.

MIL-STD-129F-Marking for Storage and Equip.

MIL-STD-130D—Identification Marking of US Military Property.

MIL-STD-161E—Identification Methods for Bulk Petroleum Products Systems. MIL-STD-290C—Packaging. Packing and Marking of Petroleum and Related Products.

MIL-STD-1458—Radioactive Materials: Marking and Labeling.

Order Military Standards on DD Form 1425 from:

US Naval Publications and Forms Center 5801 Tabor Ave. Philadelphia, PA 19120

# HAPPEN

SGT D. E. F. unhooked his truck's air pressure warning buzzer. 'He found out-the hard way-that his brake airhydraulic system wasn't working. He may live.



### New Words for JM 38-750

Get out a pen or pencil and mark up your TM fired, zones 1-6 (zones 1-2 for 175-mm gun). IN 091900Z Feb 77, came out with changes.

In paragraphs 4-6b(3) (a), 4-6d(1) and 4-6d(2) change the address to Commander, Watervliet Arsenal, ATTN: SARWV-QAR, Watervliet, NY 12189

address" in paragraphs 4-6d(1) and 4-6d(2).

Change paragraph 4-6c(2) (d) so that starting that item. with the 4th sentence, it reads: When cannon tubes are condemned based on metal fatique. column d will be divided into THREE (3) columns. In the left column enter accumulative rounds 2408-5, 2408-9, 2408-10 and 2408-14.

38-750. A new DA message. DALO-SMM-F THE MIDDLE COLUMN ENTER ACCUMULATIVE ROUNDS FIRED, ZONES 7-8. In the right column enter accumulative rounds fired, zone NINE (9) (zone 3 for 175-mm gun).

Add the M110A1 Howitzer to Appendix C. page C-3 under ECC GA and Howitzer, heavy SP full Take out the words "See Appendix B for tracked 8", M110, Put an X under the DA Forms 2406/2715 and 2408-9. Use Data columns for

> On page E-17 of Appendix E, add M110A1 under the M110. Put an X in the columns for the logbook binder, DA Forms 2408, 2408-1, 2408-4.

### New Reportable Items

TAMMS clerks and materiel readiness people, grab a pencil. New DA Msg DALO-SMM-F 061530Z Dec 76 added or changed these vehicle entries for Appendix C of TM 38-750 for DA Form 2406/2715 and DA 2408-9 usage reporting purposes:

		manda takat mil kur kasaat			
ECC	LIN	NOMENCLATURE	MODEL	DA FORM 2406/2715	2408-9
HK	X41615	TRK CGO 8T	M520	χ	ΥX
HK	X41653	TRK CGO 8T W/W	M520	Χ	X
HK	X41633	TRK CGO 8T W/MHC	M877	χ	χ
HK	X41635	TRK CGO 8T W/W W/MHC	M877	χ	χ
HK	X58078	TRK TK FUEL SVC 2500 GAL	M559	χ	χ
HK	X58093	TRK TK FUEL SVC 2500 GAL W/W	M559	1 X	χ
HL	X63436	TRK WRK 10 T	M553	X	χ
☆U.S	. GOVERNM	ENT PRINTING OFFICE: 1977 - 757-002/	6	14	now

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

