





ROUND, LEND AN EYE HOLD ONE YOU FIRE ANOTHER AND AN EAR. ACE, BEFORE



I CAN SHARPEN

KEEP THAT ROD OPERATING



yourself a new rod.

SHOOTIN' IRON HAS 'EM. IF ARMORER TO MAKE ANY ARE MISSING, MGO, MAKE SURE YOUR CHANGED 4 PARTS OF THE PRONTO -- HERE'S FOR FOR GET YOUR REPLACEMENTS WHAT TO

> bers stamped on it, and the slot's chamfered BREECH BOLT ASSEMBLY - A botch of num-



rod tube. that bears against the inside of the operating OPERATING ROD - Six grooves in the part



right quick. armorer to stone it off If it's burred, get your rod yoke real careful-like. Eyeball the operating

But if it's cracked, get Next time you have the

rod in your mitts, give the raller pin a look-see. It needs to be staked



was flush in the cup, letting the buffer hit the Countersunk in the cup. (The old guide shaft

OPERATING ROD SPRING GUIDE SHAFT -

shaft and break it loose after a time.)

sear notch. Pull back the trigger quickwear and tear on the operating rod's your M60 - not if you want to save the scar. like . . , and then let it go just as fast. This keeps the notch from crashing into TIP - No trigger squeezing with



Vi district





You know what happens when you have too much wear and tear on the sear notch. Right . . . the gun keeps on firing with the trigger released — like



a runaway nag. 'Course, you can take care of this situation by opening the cover or twisting the ammo belt. But why pile up trouble?

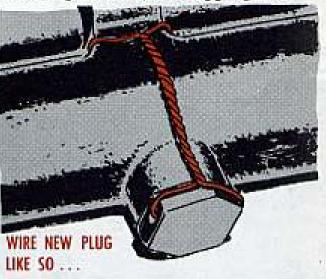


At one time there was a problem with oil leaking into the buffer, but a new design buffer turned out to be the answer.



A GASSER

Your weapon got the new gas cylinder plug — the one with the hole in the hex head? It should . . . and you use the hole by running a piece of safety wire through it . . . fastening the ends around the gas cylinder . . . and then twisting the ends. This keeps the plug from loosening and maybe dropping out.



One day you might come on a plug that has no hole, but does have a groove cut in the face of it — like a slot in a screw. This is a homemade deal, and a good one, till you get the latest plug. The idea is to put the safety wire in the groove and then tie it around the gas cylinder the way you do when the plug has a hole.



Are you remembering to keep the piston and inside of the gas cylinder dry — not wet with oil? Oil combined with the heat of the piston as it moves can add up to lots of carbon. As you know . . . you should hear the piston move back and forth as you turn the gun end-for-end (with the bolt to the rear, of course). If the piston doesn't move, there's a good chance that



You don't want to try to scrape color off the piston — either inside or out. The color's harmless. 'Most any piston will turn to brown and later black after firing the gun for a time.

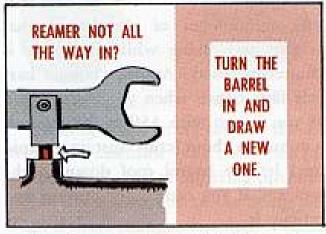


Just use bore cleaner and a rag or swab on the outside of the piston. On the inside use bore cleaner and a cleaning brush. O'course, if the piston's carboned up real bad, get your armorer to clean it with carbon removing compound PC-111A.

REAMER TIP

Say you go to clean the gas port for the first time and the entire reamer doesn't disappear inside the gas cylinder and barrel the way it's supposed to.

Steer clear of fighting it ... the tip might break off. On some weapons, the barrel and gas cylinder ports don't quite line up ... so the reamer won't pass through 'em.



You know what to do if somehow you bust the reamer on your combination screwdriver and reamer wrench? You don't throw what's left away . . . that's for sure. Your support people can put a new reamer on the wrench.



You probably heard it before, but it's worth repeating. If you can turn the flash suppressor up to one sixteenth of an inch it's OK. And if the suppressor moves sideways or up and down as much as the thickness of half-a-horse hair, it wants to be fixed yesterday.

Your M60 has a spare barrel . . .

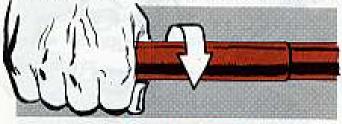


and it's not just for looks. After firing at a normal rate of 150 to 200 rounds a minute (short bursts) for a total of 1000 rounds — switch barrels. A fresh barrel will help prevent stoppages. And you'll have a chance to clean dirt and carbon out of the barrel that you've been using while the spare is chattering away. Another bonus: barrels last longer when you switch 'em. If you let go with 150 to 200 rounds a minute without letup (sustained rapid fire) let the barrel cool down in the weapon, if you can . . . or remove and replace it.

No telling how many guys have looked inside a barrel of their M60 and gulped as they spotted a "ring" about 7½ inches from the face of the barrel socket. No sweat. That's just an expansion groove in the stellite liner.



Speaking about the barrel socket . . . give it a twist every so often. If it moves any, your support unit wants to see it.



TRIGGERNOMETRY

At one time the trigger mechanism spring lock was just that — a spring



... the leaf kind. It had a bend in the middle so that it would be under tension when it was fastened to the trigger and holding pins. Trouble was ... many a guy bent the lock to make it straight. That took out the tension and the spring lock would drop off the trigger pin.



The slide rule people took care of that by grinding away part of one edge of the spring lock so that it could be turned around and snapped over the two pins. Instead of falling off the trigger pin, the spring is really fastened to it. And that's the way you want to install it, even though it's tougher for you to take off.

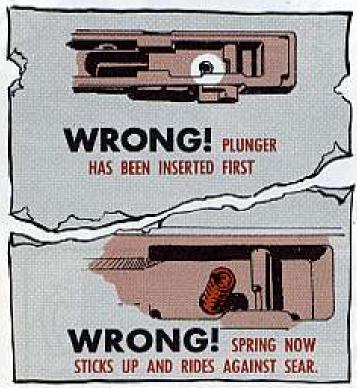
WATCH THIS

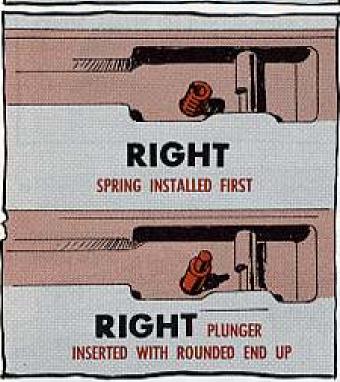
The trigger mechanism is one place that proves that it's the little things that count. When you go to assemble the components, be sure you put in the spring and then the plunger — with the rounded end of the plunger up. If you





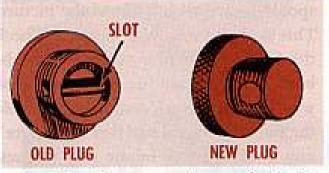
put in the plunger and then the spring, the spring will cant to one side under the sear. Result: a jamup during firing. aid in holding the bolt plug pin in place. Also there is a disk and insert hammered into the plug.



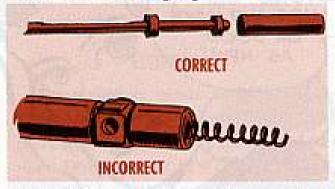


BREECH BOLT BRIEFS

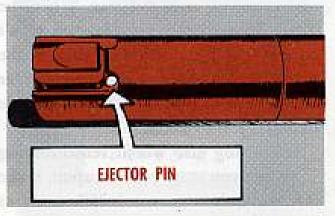
Gone should be the days of busted breech bolt plugs—now that new ones are in the supply system. You can tell the new plug in a flash. The slot is missing and a plunger is in the pin hole to



Looking for a good case of the fits when you assemble your bolt? Just put the large hole end of the firing pin bearing over the back end of the firing pin. That'll short change you when it comes to room for the bearing. And with leftover spring, you'll have a ball trying to screw in the bolt plug.

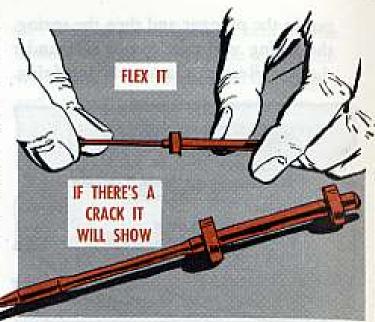


There're some other bolt parts that need special watching when you put them together. Be sure the roller end of the actuator cam is forward. If not, you won't fire nohow. And check the ejector pin. If it's sticking up, the bolt will jam.





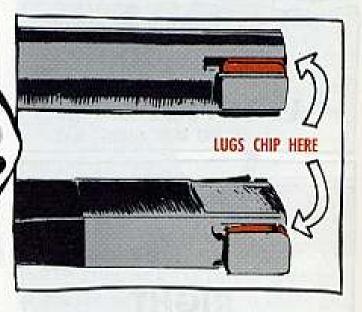
You should be in good shape with firing pins now that the old ones — those that would break at the base of the spools — are all but out of the picture. This doesn't mean you shouldn't check the firing pin before you put it in the bolt. Not on your life. And one good way to spot a crack real fast is to hold the pin at each end and flex it. If there's any kind of crack in the pin, this test will find it.



SEE ANY
CHIPPING OF
THE LOCKING LUGS
ON YOUR BOLT??
... ASK YOUR
ARMORER TO
STONE THE
LUGS AND MAKE
'EM GOOD
AS NEW!

It's an old story, but one that needs retelling: Close the gun's cover only when the bolt is to the rear. When the bolt is in any place else, its cam won't go into the feed cam assembly in the cover. And slamming down the cover with a deal like this can sure scramble a component or three.

Something else worth remembering
... when you store your weapon, make
sure the bolt is forward. When it's to

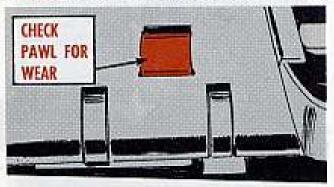


the rear, the operating rod spring is under unneeded tension.





Too pooped to participate . . . that's what can happen to the feed tray holding pawl after a heap of firing. The pawl plumb refuses to hold on to the ammo belt. Could be the tray has had the course. Maybe the pawl is worn. Or the



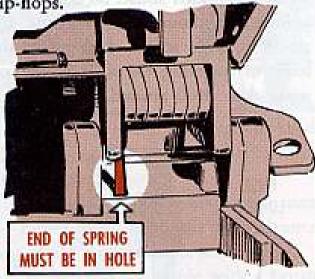
pawl spring is shot. Let your armorer take a gander.



Never let the bolt slam forward with the barrel out of the receiver. It's one sure way to wind up with a battered feed tray assembly.

There's a real easy goof you can make when you assemble the cover to the weapon — forget to put one end of the

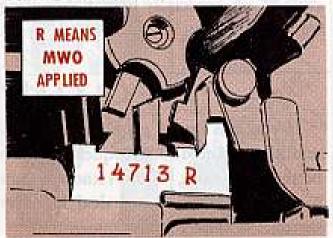
spring in the hole in the receiver. Without the spring in the hole, the cover flip-flops.



Incidentally . . . the spring and hinge cover pin are two items to watch for rust. They're real rust collectors, what with the way people skip 'em when cleaning the gun.

RECEIVERSHIP

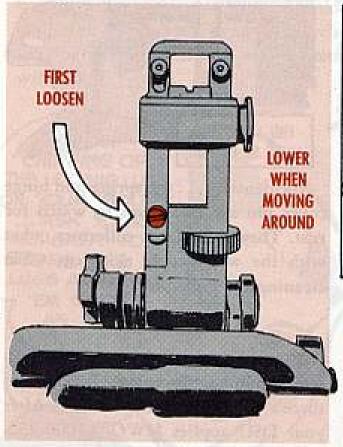
Your shooter needs an MWO if its serial number is below 77605 and there's no "R" after the number. After your DSU applies MWO 9-1000-232-30/1 (30 Jul 65), the angle of the bullet ramp will be changed by about 5 degrees. This halts the kind of trouble you run into when a round hits the primer of another round that hasn't been fired and is still in the chamber as the one behind it tries to horn in.



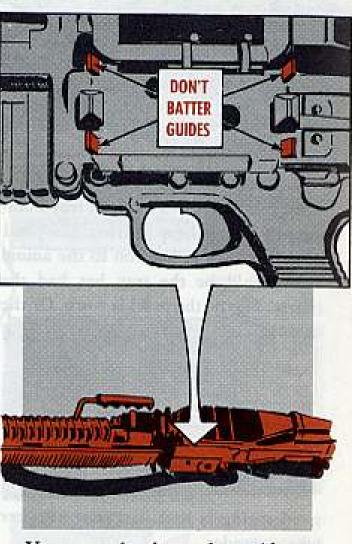


The rear sight elevation scale on your weapon is made of aluminum and it won't take much abuse. So don't try to adjust it without first loosening the retaining scale screw. And get in the habit of lowering the scale when you move your M60 around.

When your weapon's not going to see any action for a spell — like when it's being moved in a vehicle or stored — flip down the bipod legs to keep the shooter from flopping over on its side and battering the guides.



There's been a lot of talk about the way the magazine bracket guides (maybe you call 'em prongs) seem to break just about every time you turn your back. They don't really bust this often, but they will bend or snap off on occasions — especially rough handling occasions.



You can also have the guides cut down, making sure that enough of each — at least one eighth of an inch — is left to keep the magazine from moving back and forth.

A FINAL WORD

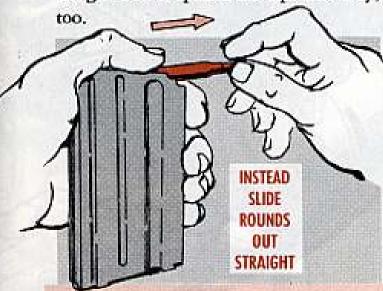
If you run into a problem while assembling your M60, ask questions. It's better to say now, "I don't know," than to try to explain a bad deal later by saying, "I didn't know."





Twenty's fine, but 21's too many when you're loading cartridges in the magazine of your XM16E1 rifle. It won't give you extra fighting power... more likely it'll put you out of the fight—'cause that extra round will spread the lips and the ammo won't feed right.

When you're unloading, skip flipping the rounds out with another cartridge. You'll spread the lips this way,



When you're taking your magazine apart here's as far as you need to go:

- Stick cartridge point in here to press the floor plate release.
- 2. Slide out the floor plate.
- Work the spring back and forth gently as you tug it outward.
- Stop tugging when the follower reaches the tabs and ears and don't separate the spring from the follower.

Careful . . . you don't stretch or bend the spring and don't bend the tabs. Easy does it all the way.

For cleaning the disassembled mag

— Either dunk it in rifle bore cleaner
and shake it good while submerged

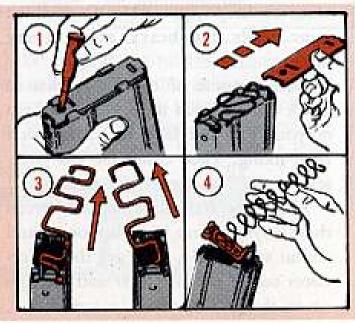
OR—scrub the inside with a brush soaked with cleaner

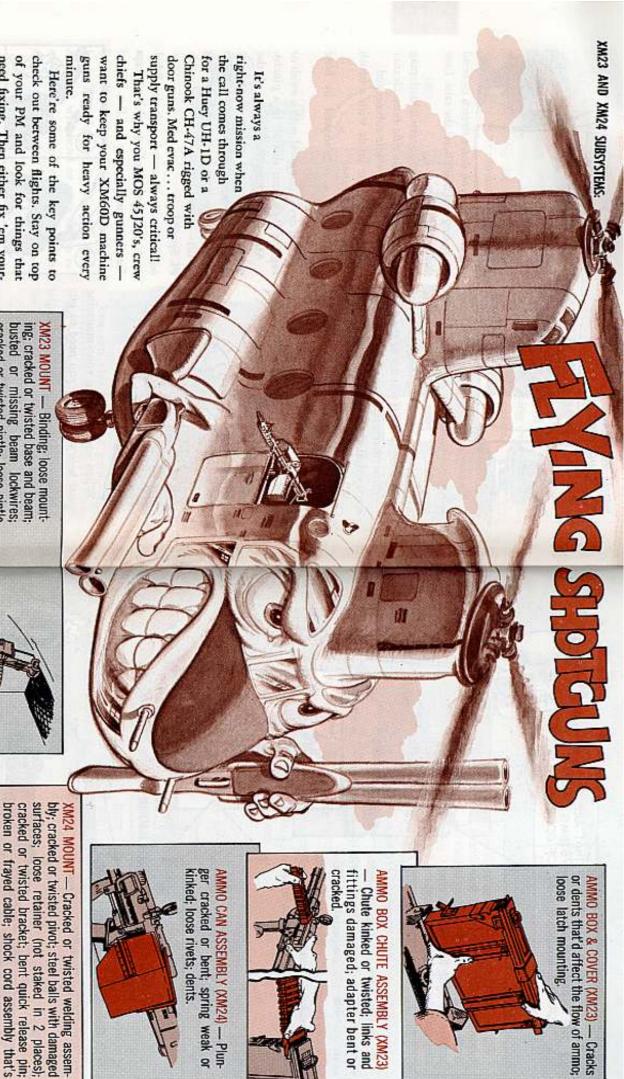
OR—Use a rag soaked in bore cleaner.

Then dry it out good with a swab or rag (or even your shirtail in a pinch).

After you clean the inside of the magazine, wipe the spring off and see that it's not busted or deformed. If it's OK, apply a very-very-very light coat of oil—using a rag dampened with PL Special.

This mag is coated with dry lubricant. It doesn't need any lubing except for the spring.





ammo set-ups. So, let's get the differ-

these 2 systems are in their mounts and

ed traversing lock or one that's lost its "spring"; dusty, rusty pivot steel ball bearings; loose retainer or one that's

not staked in 2 places; busted hook for

cracked or twisted pintle; loose pintle mounting nut; missing cotter pin; crack

lost its bounce

need fixing. Then either fix 'em yourself or get 'em fixed . . . right now!

About the only differences between

on to things they have in common.

12

NOW, FOR THE PARTS THAT ARE THE SAME ON BOTH SUBSYSTEMS (EXCEPT FOR THE MACHINE GUN, OF COURSE).

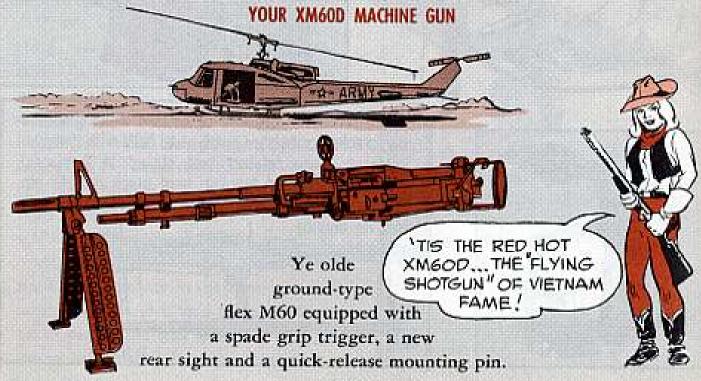


EJECTION CONTROL BAG — Canvas bag torn; mildewed; zipper fouled up; frame cracked or bent; latch or latch spring and pins damaged; front and rear dovetails don't line up right.

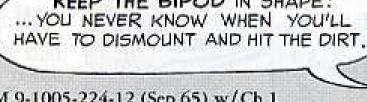
Be mighty sure the bag's zippered during firing or the spent rounds will cause trouble . . . especially on the Chinook. Here they're likely to get into the air intakes — and everybody may have to walk back from the mission.

HARNESS ASSEMBLY — Straps cut or badly frayed; buckles bent; rings and snaps won't hold.

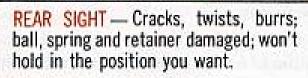








TM 9-1005-224-12 (Sep 65) w/Ch 1 (M60) is your bible on cleaning and servicing. But if you find anything wrong that cleaning and lubing won't fix, send the whole unit to direct support for repair or replacement.



and the state of the



BARREL LOCKING LEVER — Too loose, binding; won't hold the barrel tight.



MOUNTING PIN & CABLE — Pin bent or won't slide in and out real easy; cable frayed (watch it, could rip your hand!), sleeves damaged.



BOOT — Dirty, greasy, tears, rips and loose fit.





GRIP & TRIGGER — Worn threads and burrs on the retainer assembly; weak, bent or busted springs; nut, link or spring bent, busted or worn threads; needs adjusting.

SEAR & SAFETY HOUSING — Springs weak, broken or missing; cracked or bent activator or housing; burred, cracked or badly worn safety, sear and plunger.

HEAD OFF THAT RUNAWAY!

Real important!

Before every flight give the sear-link assembly the feel and eyeball test to make sure it's in good shape and works right. You could shortcut all kinds of firing troubles on the mission.

Here's what you do: Clear the weapon and set the safety on F (FIRE). Then press the trigger slightly.

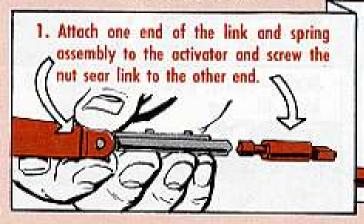
If it won't fire or there's no give at all, cyccheck the link (trigger rod, some guys call it).



A link that's bent so that the actuator can't touch the sear will cause a no-fire. On the other hand, if the link's bent so that the actuator is flush against the sear, you'll get a quick trigger — a runaway gun.

But, if the link's straight and true and you still have a firing problem, the link assembly needs adjusting to set the activator 1/64 inch (that's about the width of a fat horse's hair) from the sear.

Here's how you adjust it:



 Hold the nut sear link end against the spade grip assembly and screw out the nut sear link assembly till you can line up the hole in the nut sear link with the hole in the spade grip.

- 3. With the holes still lined up, turn the nut sear link 1 / 2-turn clockwise (to the right). This will provide that all-important 1 / 64-in tolerance between the activator and the sear.
- 4. Shove the pin in the hole and secure it with a cotter pin.
- 5. OK, try it out. Charge the gun, put the safety on FIRE and slow down the forward movement of the cocking handle to keep the bolt assembly from banging up the tray as you lightly press the trigger. It should take only a 1/8-in movement of the trigger (a real light feel) for the sear to release the bolt.
- Dry-fire it this way three or four times to make sure you've got the right adjustment. Then lockwire the link and nut and put the safety back on SAFE.



CLEANING AND LUBING — You can hardly go wrong if you stick to the poop in the lube chart on page 19 of your -15 TM. It tells you what parts need mostest cleaning and care immediately after firing.

Pay particular attention to that bit about not over-lubing the innards of your gun. More and more, guys are finding that too much lube is a major cause of trouble.

LOADING — Do like the TM says on page 17, but make proof positive you have the open side of the links facing down when you put the belt on the tray



PUBLICATIONS—Keep these handy and use 'em: TM 9-1005-262-15 (Aug 65) w/Change 1 and 2 (XM23 & 24); TM 9-1005-224-12 (24 Sep 65), w/Change 1 (M60); and TM 9-1005-262-ESC (23 Aug 65).



Field notes on the M6/XM16 Subsystem

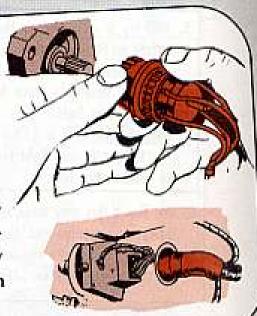
(UN) POPULAR

Here're a few of the trouble spots that've been griping guys with the M6/XM16 quad machine gun subsystem—and what you can do about 'em. Most times human weakness is a big part of the hex.



FORGETFUL? OK, then, remind yourself to pull the circuit breaker before connecting or disconnecting any major assembly while trouble-shooting your system with the power on.

Otherwise, you'll create peak voltages and ruin the follow-up potentiometers (deflection and elevation variable resistors) in the pylon or blow capacitors in the voltage regulators in the control panel.



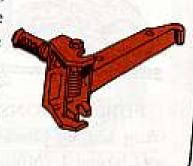


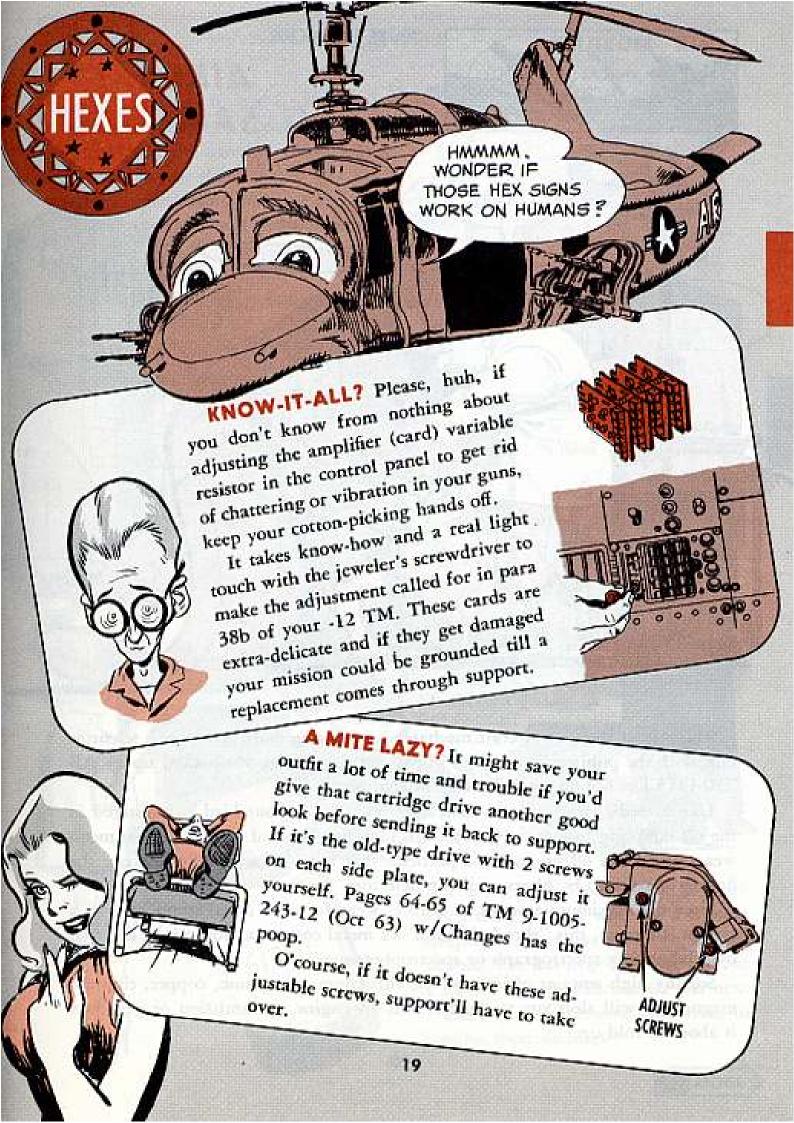
CARELESS? Make sure the gun latches are really locked when you mount M60C's on your Huey. Para 7b of your -12 TM has the scoop. And double check before every takeoff that they're still locked tight.

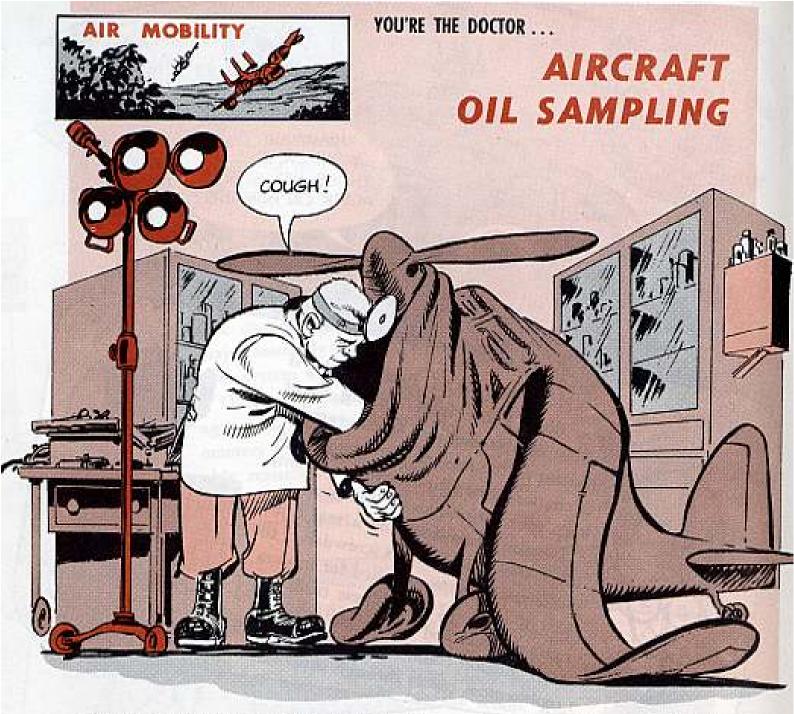
Guys could get hurt bad—and equipment, too—if a gun works out of its cradle during flight.

And, while you're working on 'em, see that the parts are all OK... like the latch (FSN 1005-974-9757), the cradle assembly (FSN 1005-974-9755) and the machine gun pin (FSN 1005-083-0292). If any of these are badly worn or damaged, get support to replace 'cm—befor the next mission.







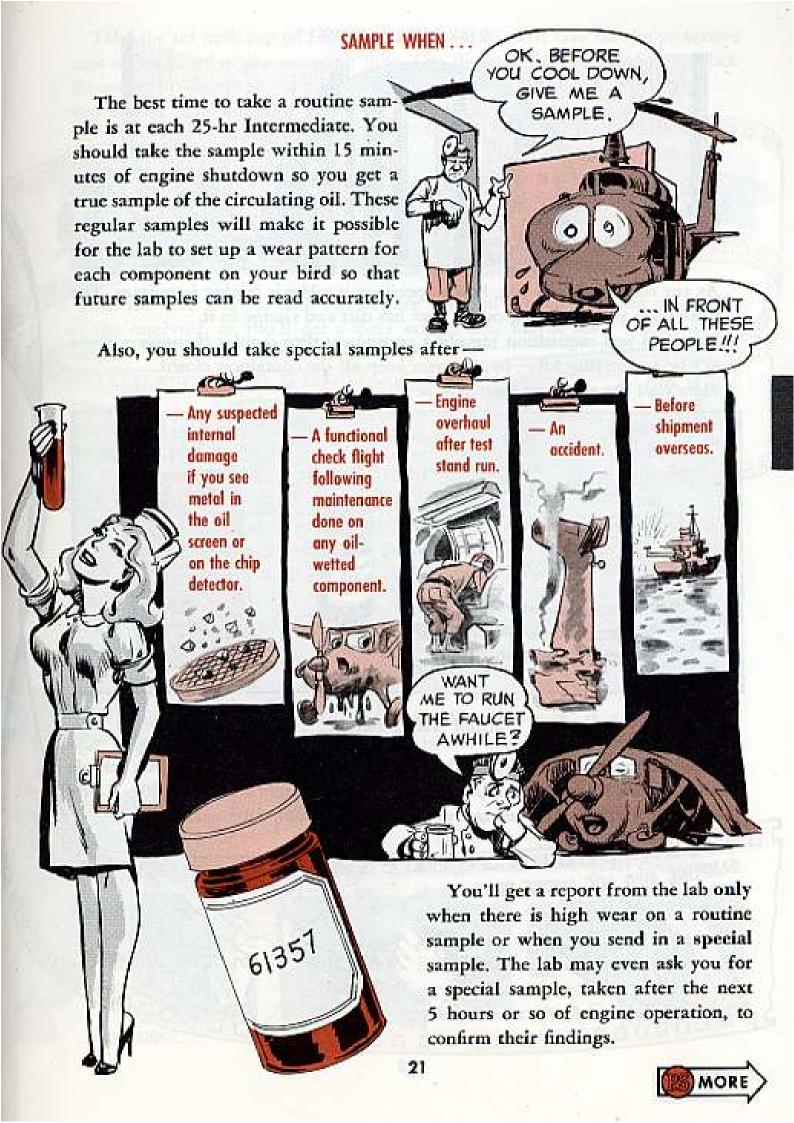


The role of the unit aircraft mechanic is becoming more and more a scientific one, with the publication of TB 55-6650-300-15 (9 Jun 66) backed up by AR 750-13 (5 Dec 66) on spectrometric oil analysis.

Like a medic, you can now take specimens when your bird is registered in the oil sampling program. 'Course, this sampling is based on the fact that metal wears and kicks off microscopic particles that can't be seen, felt between the fingers or trapped by filters and chip detectors.

Since the maximum amount of normal wear for each metal component in a system is known, this "threshold limit" of metal contamination can be detected by a laboratory spectrograph or spectrophotometer.

So, any high amount of iron, silver, chromium, aluminum, copper, tin, and magnesium will alert you to the fact that an engine, transmission or gear box is about to fold up.



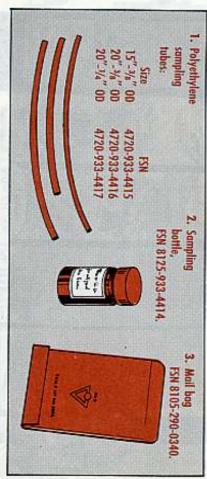
CLEAN SAMPLES, PLEASE



lab can't get you a reading on oil that has dirt and sludge in it. As any medic will tell you, how a specimen is taken is mighty important. The

won't be a sampling kit - be sure you keep all the containers closed. So, when you requisition sampling equipment thru regular channels - there

Here's all the sampling gear you need:



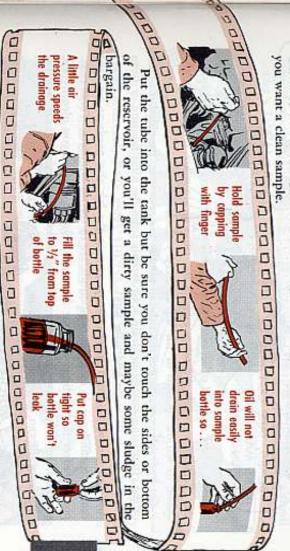
SIPHON SAMPLE LIKE SO ...

the scientific approach—using the tube in an oil tank filler neck bottle. See the TB for the sampling location and the right size tube to use. Here's Your sample is either siphoned thru the tube or drained directly into the sample



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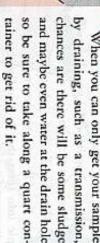
caps on each end of the sampling tube. Cut the ends of the sealed-type tubes Be sure you don't drop the tube on the ground or get it dirty on the engine . . . Take the oil tank cap off, open the sample bottle and take off the protective



until it's within 1/2 inch of the top. Put the cap on with a little muscle so the bottle won't leak. mouth suction and hold the sample in the tube with your finger. Fill the bottle Put a finger over the tube and lift out your sample, or make with a little

again. Throw away the sampling tube because a contaminated tube can't be used

TAKE DRAIN SAMPLE THIS WAY



sludge. Then drain your sample directclean the opening and drain lines of enough oil into the quart container to inch of the top... no sampling tube needed. ly into the sample bottle to within 1/2 Open the drain plug and drain

got your sample Cap the bottle tight . . . and you've



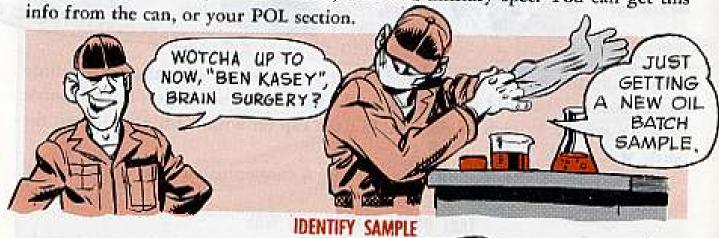




Next, insert one end of an opened 3/8-in tube into the sample bottle. Displace the check valve with the other end of the tube, drain your sample into the bottle to within 1/2 inch of the top and cap your sample.

On hydraulic systems use the tube to sample the reservoir, provided it's part of the circulating system, or drain your sample from the filter housing or from a line that circulates the hydraulic fluid.

When a new oil batch comes into your area the lab also needs an un-used sample to find out if metallic compounds are in the oil additives. These compounds affect the readings on your future samples so be sure you identify the oil batch by number, manufacturer, date and military spec. You can get this



All your hospital-clean sampling will go down the drain unless the samples are identified. So, it's mighty important that you fill out completely the sample info sheet that is supplied by the oil analysis lab where you send the samples.

On a special sample be sure you add any important dope, such as—name, address and phone number of person the lab should contact, at the bottom of the form. You'll find complete sampling instructions right on the back of the info sheet.



Wrap the poop sheet around the oil sample bottle with a rubber band. Then put the sample in the mailing bag and send it, pronto, to the lab. Pronto means immediately. Never let the sample stand around for a few hours or days. Every minute counts. MAIL IT THE SAME DAY YOU TAKE THE SAMPLE . . . airmail under a DA Label 18.



If you're sending a special sample, band the mailing bag with any high visibility tape, preferably RED, FSN 7510-753-4728. Also airmail.

As for record-keeping, you should make an entry on the log book DA Form 2408-13 that an oil sample was taken as part of the Intermediate and Periodic Inspection.



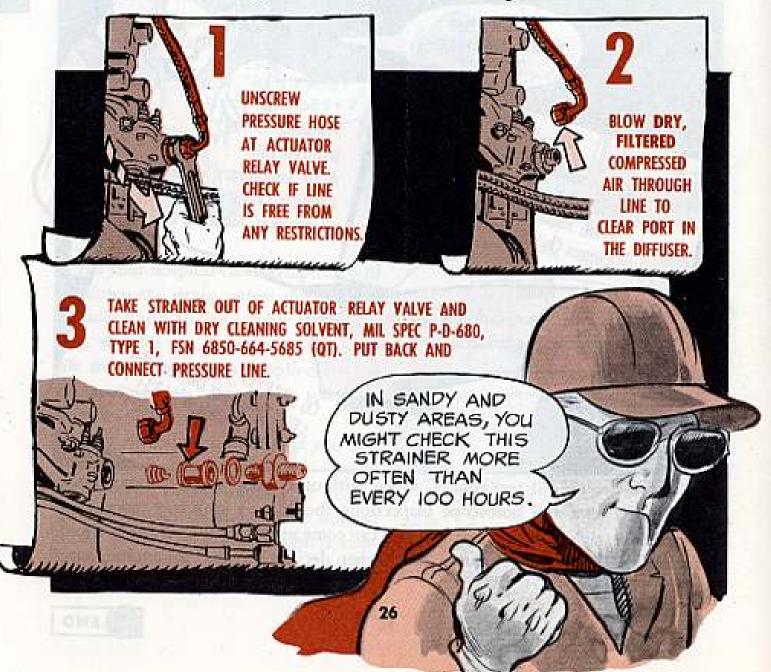
Yessir-e-e-e, the oil test results, along with other poop gained from cylinder compression tests and boroscope inspections, should go a long way toward pin-pointing a maintenance problem so you can come up with the solution. It should be a big help for you and your support when deciding to pull an engine, based on AR 750-23 (13 Feb 63).





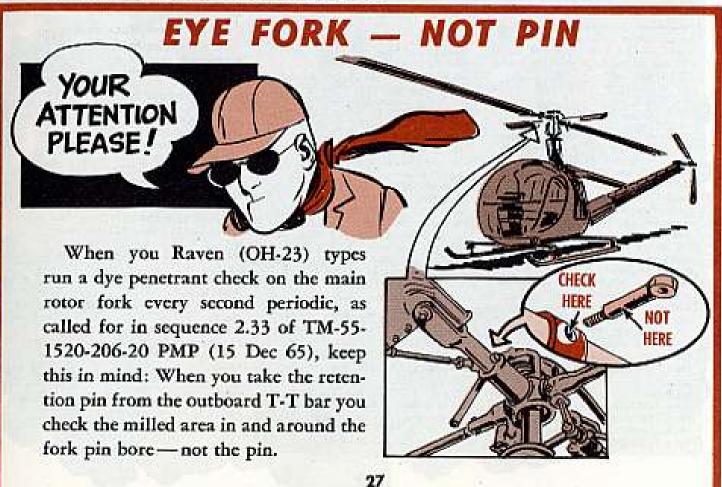
A clogged engine airbleed-actuator relay-valve strainer on your UH-1 can cause a compressor stall and loss of power — which makes for a real unhealthy bird.

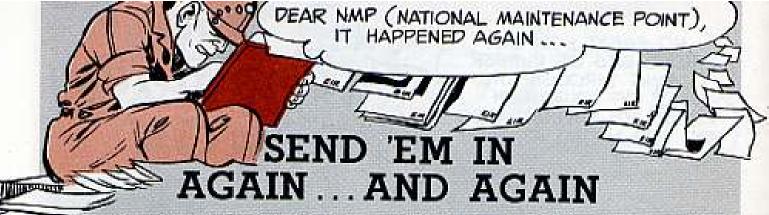
Foreign particles can be drawn into the engine inlet and directed into the port that supplies air for operating the airbleed actuator. The strainer keeps this gunk out of the actuator valve, but some of it may build up around the port inside the diffuser section and in the pressure hose leading to the strainer. So-o-o-o, when checking the strainer, follow these steps.





This wire cover is applied with tension which forces some of the rubber bonding up thru the wire strands. You may find more rubber showing as fluids surge thru your bird. This strike-thru gives you a better cover bond and acts as a built-in separator for the wire braid.





You say you sent an EIR (DA Form 2407) in to the NMP on that problem you have on your equipment?

Fine and dandy!

And now you have more of the same problem. What do you do? You don't rest on your laurels just because you sent in that one EIR.

Send in a new one.

And if it happens again, send in another one. And more . . . as long as the problem keeps repeating. Anytime an equipment failure shows up, tell the design guys with an EIR.

Of course, you keep a sharp lookout for solutions to your problems in the EIR Digests on your equipment,



A selected list of recent publications of interest to Organizational Maistenance Personnel. This is a list compiled from recent Adjutant General's Distribution Center Sullatins. For complete details see DA Pam 310-4 and Ch 2 (19 Aug 66) and DA Pam 310-6 and Ch 1 (1 Oct 66).

TECHNICAL MANUALS

TM 1-10H-23C-4-20P, C4, Nov. OH-23. TM 5-4120-216-25P, Aug. Air Condilioser: Floor Mhd; Air Cooled; 60,000 BTU/HR Corrier Mdl CE-60C-60. TM 5-4120 223-25P, Sep. Sergeont. TM 5-4120-258-15, Aug. Air Condihioser, Floor Mid; Air Cooled, Elec Motor Drvn, 60,000 BTUH, Ellis & Wells MdI A-62. TM 3-6115-331-15, Sep. Gen Sel. Ges Eng: 18.9-KW, DC, Hol-Ger Mell CE-856-PM/WK1 TM 5-6230-200-15, Aug. Searchlight, 30 Inch. DC, 80V, 200 Amp. Corbon ARC, Wheel Mid Strong Electric Co. Mdl 78001-1 TM 9-1300-203, C15, Oct. Animo. Tank and Artillery. TM 9-1400-382-12, Sep. Pershing. TM 9-1410-250-15P/1/1, Aug. Nike-Herc. TM 9-1425-300-25P, Oct, Sergeont. TM 9-1430-250-15, Sep, Nike-Herc. TM 9-1430-375-12/1, Oct, Pershing. TM 9-1430-510-12/1, Aug. Hawk. TM 9-1430-512-15P/2, Aug. Howk.

TM 9-2320-209-10, C2, Oct. 21/5 Ton G742-Series Trucks TM 9-2320-222-10, C1, Oct. Recovery Yeh, Med. MBB. TM 9-2320-222-35/2, CT, Aug. Die/Gen Spt. Recov Yeh, Fell Trkd. TM 9-2320-224-10, C4, Sep. Corner, Cmd and Recon, Armored M114/ MITTAL. TM 9-2330-223-14, Jel. Trailer, Rockel, M329A1. TM 9-2330-234-24P, Jul, Charris. Troiler, M454. TM 9-2350-222-10, C3, Oct, Veh. Combat Engineer, M228 (TITEE). TM 9-4935-253-15P/2/1, Avg. TM 9-4935-304-15P/2, Aug. Sergaant. TM 9-4935-509-15P/1, Aug. Hawk. TM 10-3930-243-20P, Oct. Treck, Ult. Fork, Dsl Eng: Rough Terrain, 10,000 Lb Cop, Patilbone-Mullikes Mdf RTL 1D. Army Mdl MHE 199.

LUBRICATION ORDERS

LO 5-3810-232-12-1, & -12-2, Sep, Crone, 20 Ton, American Holst and Derrick Mdl 2380. LO 5-4310-260-15, Sep, Compressor, Recip, Air. GED, Trailer Mrd; 15 CFM 175 PSI. LO 5-6115-351-15, Sep, Gen Sel, Ges Eng, Air Cooled, 7.5KW, 28V, DC, 2 Wire; Wheel-Mid; Winterized, (Atlas Polar Co, Lld, Mdl MC 111 W/Eng Wisconsie Mdl Eng MVH4D); LO 10-3930-242-12-1, g -12-2, Oct, Truck, Lift, Fork, Osl Eng. 6,000-cop, Anthony Mdl MLT6.

MODIFICATION WORK ORDERS

MWO 9-1015-230-30/1, Oct. Dir, Gen Spt. Howitzer, M108. MWO 9-1055-212-10/1, Oct. Little John.

MWO 9-1240-258-30/J, Oct. Tonks, Combat, Gvn., M48A2, M48A2C, M60, M60A1,

MWO 9-1420-262-40/1, Oct. Tonks, Combot, Gun, M48A3, M60, M60A1. MWO 9-2350-217-20/6, Nov.

Howitzer, Med, SP, M109. MWO 10-1670-206-20/3, Nov. Parachule, Personnel.

MWO 55-1510-203-20/3, Nov. U-6. MWO 55-1510-204-20/4, Nov. OV-1. MWO 55-1510-206-20/3, C2, Nov.

CY-2, MWO 55-1510-206-34/62, C2, Nov, CY-2

MWO 55-1520-202-34/31, E-34/33, Nov. CH-34,

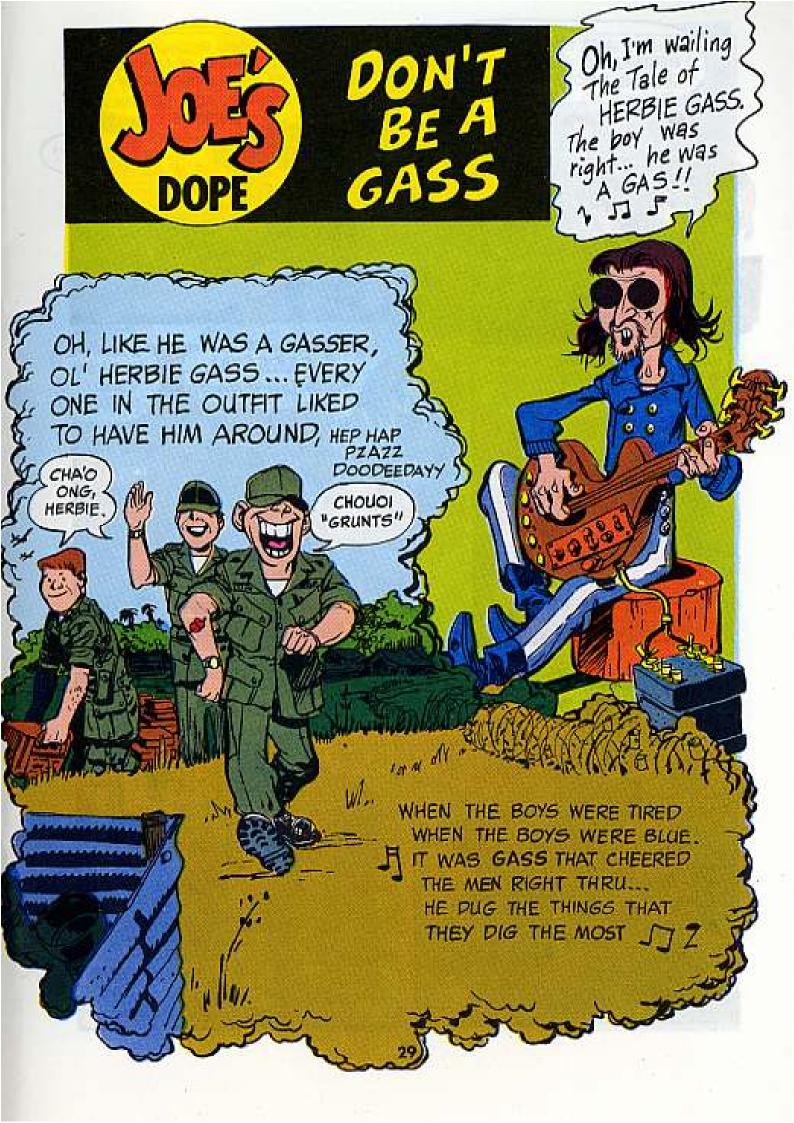
MWO 55-1520-206-34/14, C2, Nov.

MWO 55-1520-209-20/52, Nov. CH-47.

MWO 55-1520-209-30/31, Nov. CH-47,

MWO 55-1520-209-34/107, Nov. CH-47. MWO 55-1520-209-34/109, Dec.

CH-47. MWO 55-1520-209-34/118, C1, Nov.







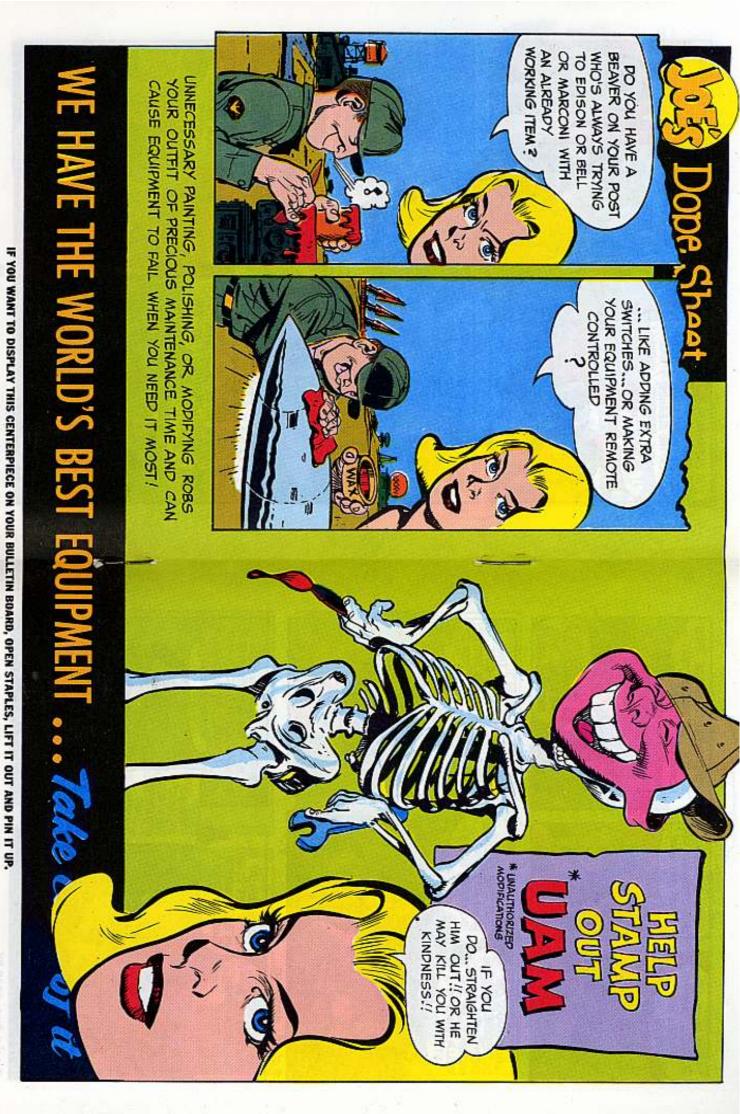






















cò LE: MAYBE SO ..



CHÀO ONG: GOOD BY



Man! They like hoofed it out in that tall tall grass.

All them cats and ol' laughin' GASS...
He was a GASSER, Hep Hep! Ol'
HERBIE GASS
ROODEE DOO-

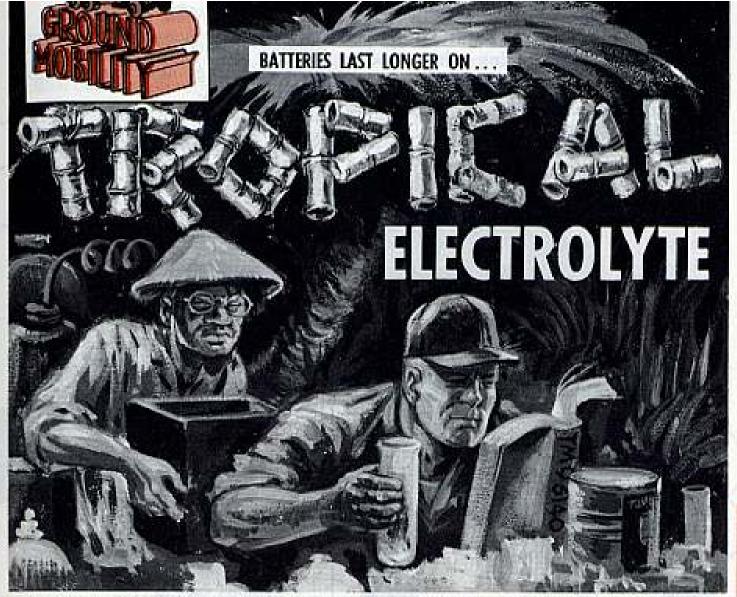
THERE IT IS...OL'
'FIFTY PEE' HILL, SMACK
IN THE MIDDLE OF THE
MO CHI TIN TRAIL.









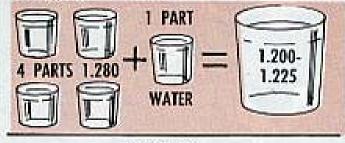


Life in the tropics is rough on leadacid storage batteries. But you can make your battery's life happier and longer by operating it on weaker electrolyte than it needs in cooler places.

TM 9-6140-200-15 (Jul 58), para 37b, says the specific gravity reading (SPGR) of electrolyte for tropical operations must be between 1.200 and 1.225.

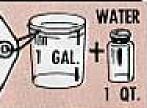
Coming from a cool climate, your batteries may now be carrying 1.280 SPGR electrolyte. And the electrolyte you get for activating new, dry-charged batteries is 1.280 SPGR.

So what's the formula for diluting 1.280 electrolyte to 1.200-1.225 electrolyte? And what's the best way of doing it?



SAME AS:

SULPHURIC ACID, ELECTROLYTE, 1 GAL. FSN 6810-249-9354 (1.280 SPGR)



REMEMBER — ALWAYS POUR ELECTROLYTE INTO WATER AND NEVER WATER INTO ELECTROLYTE.



For mixing, use a clean container made of glass, heavy plastic or hard rubber. A handy mixing tub can be made from a discarded 6TN battery—take the top off, remove the guts and knock out the partitions.



KEEP FROM SPLASHING THE ACID ELECTROLYTE IN YOUR EYES OR ON YOUR SKIN AND CLOTHES, IF IT DOES GET ON

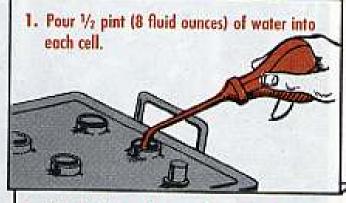
YOU, WASH IT OFF FAST, WITH PLENTY OF WATER!



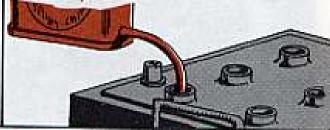
IF IT GETS IN YOUR EYES WASH 'EM WITH PLENTY OF WATER AND GET FIRST AID PRONTO!

ACTIVATING NEW BATTERIES

Another method of mixing, when you're activating new, dry-charged 6TN batteries, is:



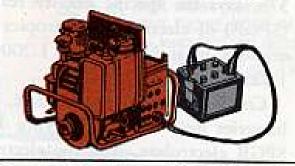
Fill all cells to the proper level with 1.280 electrolyte.



 Let the battery stand for 20 minutes and add more electrolyte if it's needed to come up to the proper level.

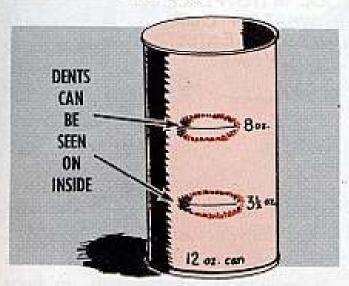


 Give the battery its initial charge before putting it into service, as explained in Ch 1 (Jan 62) to TM 9-6140-200-15.



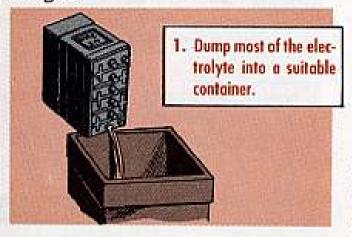
For new, dry-charged 2HN batteries you use the same method except you put only 3½ fluid ounces (a shade under ¼ pint) of water into each cell before adding 1.280 electrolyte.

A standard 12-oz soft-drink can, makes a good measure for water — but water only, not electrolyte. Mark off a clean can into thirds — ½ of a can for 8 ounces and a little under ½ of a can for 3½ ounces. (With an inside can length of 4½ inches, 3 inches equals 8 ounces and 1-5/16 inches equals 3½ ounces.) A light tap with a tool on these marks will make slight dents that can be seen on the inside of the can for accurate measurement.



BATTERIES IN SERVICE

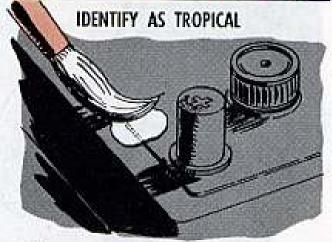
Electrolyte already in a battery can be changed from 1.280 SPGR to 1.200-1.225 SPGR by replacing some of the electrolyte with water (8 ounces for 6TN and 3½ ounces for 2HN). This should be done only with a battery that's in top-notch condition and fully charged.



2. Pour the right amount of water into each cell — rightaway so the plates won't be exposed to air too long.

3. Put back enough of the electrolyte to come up to the proper level.

 Charge the battery until 3 specific gravity readings, taken at 30-minute intervals, show that the battery's fully charged.

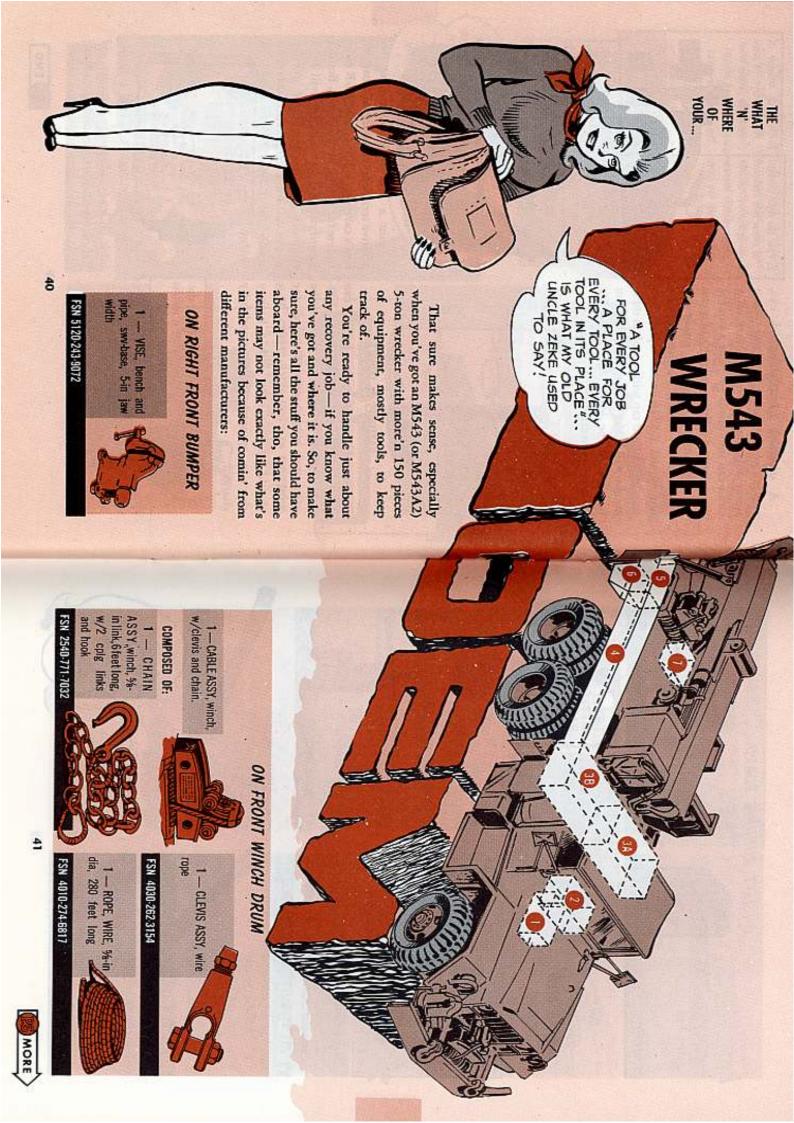


Paint a 1-in white spot near the positive terminal on the top of a battery that's carrying 1.200-1.225 SPGR electrolyte for service in the tropics. Besides identifying the battery, this will be a reminder that future specific gravity checks call for a temperature-corrected reading of 1.200-1.225 to show full

OPERATION AND ORGANIZATIONAL FIELD AND DEPOT MAINTENANCE STORAGE
BATTERIES

TM 9-6140-200-15 w/Ch 1 is the bible on lead-acid storage batteries and has plenty of info on handling and care of batteries.





ON LEFT RUNNING BOARD

1 — CAN, gasoline, military type, 5-gal



(in BRACKET, can, 5-gal, w/strap

FSN 2590-473-6331



FSN 7240-222-3088

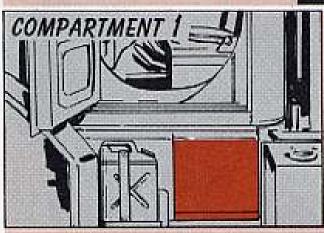
ON STOWAGE COMPARTMENT DOORS



1 — PADLOCK SET, keyed alike, w/clevis and chain, composed of 5 padlocks and 7 keys, (1 tackwelded to door of compartment 1, 3A, 7, 6, 3B)

FSN 5340-682-1504

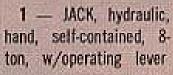




1 — HANDLE, bar, wheel stud nut wrench, 34-in dia, 30 inches long

1 — CHAIN, utility, %in link, 16 feet long, w/ hook, w/2 pear shape cplg end links





1 - SPOUT, can, gasoline, flexible, w/filter

screen, 21/4 inches od, 16



FSN 5120-243-2419

1 — WRENCH, socket, wheel stud nut, dbl-hd, 1½-in hex opng, 13/16in sq opng, 17-19 inches long



FSN 7240-177-6154

inches long

FSN 5120-061-0728

A THIN FILM
OF OIL ON METAL
TOOLS THAT ARE
APT TO LIE
AROUND!



FSN 5120-316-9217

1 — BLOCK, rigging, wire rope, sgl 8-in sheave, w/swv hook, 5%-in dia rope, 10-ton working load



FSN 3940-630-9931



1 — LANTERN, electric, hand, 6-volt, w/2 lamps



FSN-6230-498-9408

2 — BATTERY, dry, 6volt, (1 in lantern)



FSN 6135-050-3280

1 — CORD, light, inspection, 25 feet long (



FSN 6150-378-2055

 LAMP, incandescent, bayonet base, 28volt, (in inspection light)



FSN 6240-044-6914

1 — CORD, extension light, w/sgl-contact plug and socket, 25 feet long



FSN 6230-548-0387

1 — EXTENSION, cable, electric, 24-volt, 20 feet long, w/coupling (slave)



FSN 4910-474-9135

1 — GAGE AND HOSE ASSY, tire inflation, selfcontained, 30 feet long



FSN 4910-777-2943

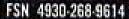
1 — FRAME, hacksaw, hand, adjustable 📆

FSN 5110-223-4971

12 — BLADE, hacksaw, hand, 12 inches long

FSN 5110-237-8106

1 — GREASE GUN, hand, lever operated, w/6-in extension



 ADAPTER, grease gun, rigid, 6 inches long

FSN 4930-387-9551

1 — EXTENSION, grease gun, flex hose, 12 inches long

FSN 4930-288-1511

 FLARE KIT, reflector type, w/flags, reflectors, instructions and metal box



FSN 9905-449-7161

1 — BAG, tool, canvas, 10 x 20 inches, w/flap



FSN 5140-772-4142

IN TOOL BAG:

2 — LINK, chain, repair (front winch), %-in



FSN 4010 542-4436

3 — PIN, shear (front winch), 3/8-in dia, 25/8 inches long, aluminum



FSN 5315-740-9348

6 — PIN, cotter (for shear pin), split, ¾4-in



FSN 5315-012-1222



(Continued) COMPARTMENT 2 IN TOOL BAG: 1 - SCREWDRIVER

SPARE WHEEL WELL

standard bore

1 - CAP, tire valve

FSN 2640-052-0944

rear winch), %-in 2 - LINK, chain, repair

8

flat tip, common, plastic hdt, 1/4-in wide tip, 73/4

FSN 4010-274-5170

dia, 31/2 inches long winch), grooved, hd, 3 - PIN, shear



FSN 5120-222-8852

1 - SCREWDRIVER

inches long

FSN 5315-282-2583

FSN 5315-013-7185 shear pin), split, 1-in 3 - PIN, cotter

FSN 5120-227-7338 wide tip, 91/2 inches long

w/wood inserts, 1/2-in flat tip, hy duty, steel hdl

stght hdl, 12 inches long end, adjustable, sgl head, - WRENCH, open

matic tire, truck and bus,

FSN 2610-051-9450 1.00-20, w/valve

1 — TIRE, pneumatic

w/tire and tube.

I-WHEEL ASSY, spare,

FSN 2640-050-1229

COULD BE A Slow

LEAK

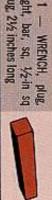
ALVE CORE A LOOSE matic tire, standard bore

I — VALVE CORE, pneu-

CONSISTING OF: 1 — INNER TUBE, pneu-













plastic hdl, pt No. 2, 71/2 cross tip, stght, Phillips,

inches long

FSN 5120-234-8913

- SCREWDRIVER

FSN 5120-223-7398 w/cutter, 10 inches long

- PLIERS, slip joint,

- SCREWDRIVER



plastic hdf, pt No. 3, 101/4 cross tip, stght, Phillips,

FSN 5120-234-8912

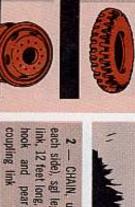
BEHIND





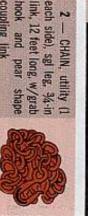




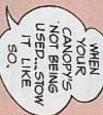


country tread

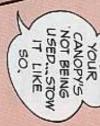
11.00-20, w/flap, cross truck and bus, 12 ply,







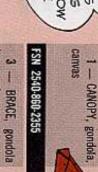






(front), tubular, steel

FRAME, canopy



11/2	2	I
inche	- ST	1011 2010 000 2000
S Wil	WP W	002.00
10, 2	ebbine	ľ
	11/2-inches wide, 24	2 — STRAP, webbing, 1½-inches wide, 24



FSN 6830-292-0129

valve and cap, filled

pressed gas, oxygen, w,

1 - CYLINDER, com

Left side:

4

pressed

gas, acetylene

Right side:

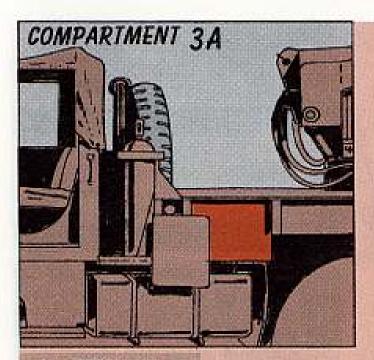
1 — CYLINDER, com

FSN 6830-264-6751 w/valve and cap, filled



FSN 5340-543-3034

45



1 — BLOCK, tackle, manila rope, sgl 434-in sheave, 1-in dia rope, w/ loose side hook, w/becket



FSN 3940-239-0732

1 — BLOCK, tackle, manila rope, dbl 4%-in sheave, 1-in dia rope, w/ loose side hook



FSN 3940-223-3821

1 — ROPE, manila, 3/sin dia, 50 feet long



FSN 4020-238-7734

1 — ROPE, manila, ¾in dia, 100 feet long



FSN 4020-234-8399

T — ROPE, manila, 1-in dia, 300 feet long



FSN 4020-231-2581

1 — BAR, pinch, offset and tapered ends, 36 inches long

FSN 5120-224-1384

1 — BAR, wrecking, gooseneck, pinch point w/ claw, 36 inches long

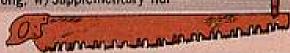
FSN 5120-242-0762

1 — CASE, crosscut saw, cotton duck, 63% inches long



FSN 2540-860-2354

1 — SAW, crosscut (in case), 1-man, 5 feet long, w/supplementary hdl



FSN 5110-754-0704

1 — CUTTER, bolt, rigid hd type, clipper cut type, 35 to 39 inches long



1 — WRENCH, open end, fixed, sgl hd, 15%-in opng, 147/s inches long



FSN 5120-277-1244

1 — WRENCH, open end, fixed, sgl hd, 1-11/16 inch opng, 147/₈ inches long



FSN 5120-277-1245

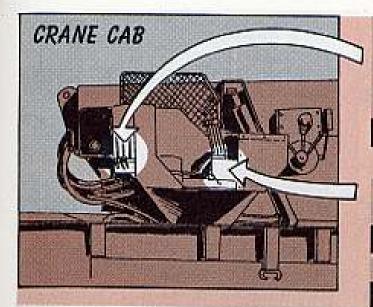
1 — WRENCH, open end, fixed, sgl hd, 1-13/16 inch opng, 163/6 inches long



FSN 5120-277-1242

KNUCKLE BUSTERS
ANONYMOUS
STOP THE BAD
TOOL HABIT

YES, I KNOW IT'S HARD TO BREAK THE HABIT, BUT, YOU MUST USE A TOOL PROPERLY OR...



On rear (in brackets): 3-EXTINGUISHER, fire, hand, CF 3 BR (freon), 234-lb cap



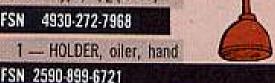
FSN 4210-555-8837

RIGHT SIDE:

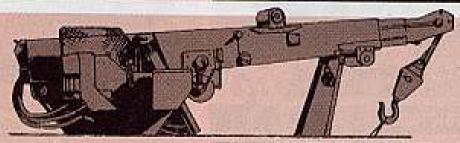
1 - OILER, hand, push bottom type, 1/2-pt cap

FSN 4930-272-7968

1 - HOLDER, oiler, hand



CRANE BOOM



IN BRACKET:

(BRACKET, pioneer tools



FSN 4910-347-5494

1 - AX, single bit, 4-lb hd, 434-in cutting edge, 351/2 to 361/2 inches long

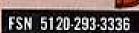
1 - HANDLE, mattockpick, railroad or clay pick, 36 inches long

FSN 5120-254-6618

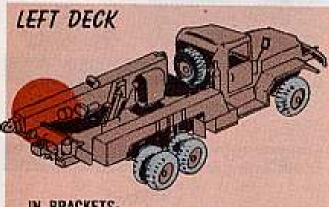
1 - MATTOCK, pick type, 5-lb

FSN 5120-243-2395

1 - SHOVEL, hand, rd pt. D hdl, short size



FSN 5110-293-2336



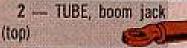
IN BRACKETS:

2 - TUBE, boom jack (bottom)



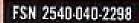
FSN 2540-040-2301

MMMH I NEVER DID LEARN WHAT THIS TOOL IS USED FOR!



FSN 2540-040-2300

1-BAR, tie boom jack







2 - PIN, boom jack, w/ lock pin

2 - PIN, boom jack, tie bar voke, w/lock pin



FSN 5315-316-1008

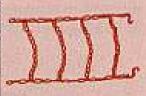
FSN 5315-740-9834

1 - PIN. inner boom jack, w/lock pins

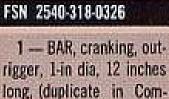


FSN 5315-854-4331

3 - CHAIN, pneumatic tire, truck, sgl, 11.00-20 (for left side of vehicle when authorized), (3 in comp 6)



FSN 2540-054-0027



2 - SHACKLE, anchor,

rd pin, 7/8-in dia



FSN 2540-860-2359

partment 6)

1-WRENCH, auto, adj, 15 inches long



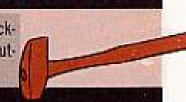
FSN 5120-264-3793

1 - WRENCH, pipe, hv duty, adj, 18 inches long



FSN 5120-277-1461

1 - CHISEL, blacksmith's, cold, 11/2-in cutting edge, 16-in hdl



FSN 5110-221-1075

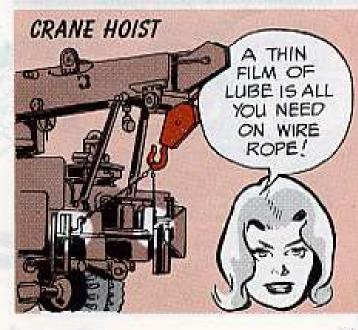
2 - CHISEL, machinist, cold, 1-in cutting edge, 24 inches long

FSN 5120-238-8292

1 - PUNCH, blacksmith's, rd hdl, 1/4-in dia cutting edge



FSN 5120-197-9473



1 - ROPE, wire, 1/2-in dia, 95 feet 5 inches long



FSN 4010-285-4208

1 - CLEVIS ASSY, wire rope

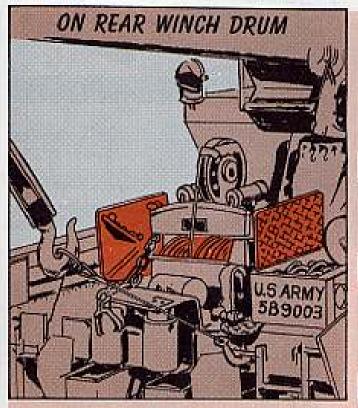


FSN 4030-961-9781

1 - SLING, wire rope, dbl leg, w/ring, hooks



FSN 2520-040-2297



1 — CABLE ASSY, winch, w/clevis and chain

CONSISTING OF:

1 — CHAIN, winch, 3/4in link, 6 feet long, w/ hook



FSN 2540-771-7033

1 — CLEVIS, wire rope, 34-in dia



FSN 4030-706-5553

1 — ROPE, wire, 34-in dia, 350 feet long, hemp center



FSN 4010-285-4210

REAR DECK

2 — BASE, boom jack, (1 each side of winch)

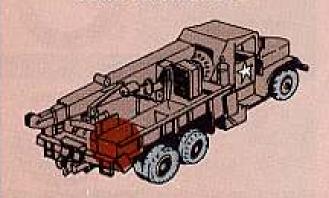


FSN 2540-040-2299

KEEP GEAR NEATLY STOWED... SO YOU CAN FIND 'EM IN A HURRY!



COMPARTMENT 5



2 — BLOCK, rigging, wire rope, dbl 8-in sheave, w/swv shackle, %-in dia rope, 25-ton cap



FSN 3940-792-9881

2 — BLOCK, rigging, wire rope, sgl 10-in sheave, w/swv eye and shackle, 3/4-in dia rope, 15-ton cap



FSN 3940-630-9932



DON'T THROW
GEAR AROUND!!
KNOCKED-LOOSE
BOLTS NEVER
SHOW UP UNTIL
THEY'RE UNDER
STRAIN!!





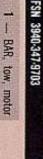
COMPARIMENT 6



COMPARTMENT 4

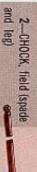


fletree) 1—BAR, hoisting (whif-

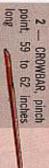


vehicle, V type, light duty

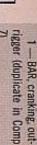
FSN 2590-899-6721

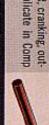


FSN 4820-315-2306



FSN 5120-224-1390





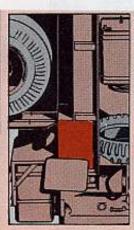
FSN 2540-860-2359

hicle — when authorized tire (for right side of ve- duplicates in Comp 7) 3 — CHAIN, pneumatic



COMPARIMENT 38

FSN 2540-054-0027



1 — HAMMER, hand, sledge, blacksmith's, dbl inches long face, 20-lb, 35 to



FSN 5120-230-7843



inches long hyd oil, 1 Kein od, 60 1 - HOSE, tank drain



FSN 3433-356-8572

w/plugs (oxygen)



1—HOSE, rubber, braid-ed, red, 25 feet long, w/ plugs (acetylene)

FSN 3433-356-8571

50



FSN 3431-754-0661

1 - TOOL SET, welder's

CONSISTING OF:

FSN 5120-188-1790

ating lever

FSN 2590-473-6331

Strap

in BRACKET, can 5-gal, w.

FSN 7240-242-6153

lary type, 5-gal

1 — CAN, water, mili-

FABRICATED MOUNT

RESERVOIR

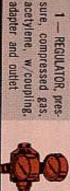
9

WATER CAN GOES

SETUP FOR THE

RESERVOIR FILTER

ON TOP OF THE



anic's general, w/tote

1 - TOOL BOX, mech

FSN 5140-357-5483

IN TOOL BOX:

FSN 6680-285-6067

ter and outlet oxygen, w/coupling, adap sure, compressed 1 - REGULATOR, pres gas,



scratch

1 - BRUSH, wire,

THE PERSON NAMED IN

FSN 6680-641-3519

ARE POY



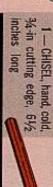


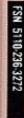
FSN 7920-291-5815

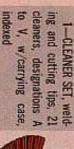
FSN 5110-186-7107

inches long

1— CHISEL, hand, cold, ½-in cutting edge, 53/4









FSN 3439-270-6047







(Continued) COMPARTMENT 38 IN TOOL BOX:

to point type, 12 inches long heel FILE, hand, flat

FSN 5110-234-6539

to point type, 12 inches long heel 1 - FILE, hand, mill

FSN 5110-242-5386

type, ½-in dia, 12 inches ong heel to point 1 - FILE, hand, round

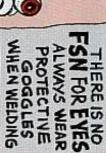
FSN 5110-234-6557

6 per box friction igniter, w/holder 1 — BOX, FLINT TIPS

FSN 5120-254-9956

leather, gauntlet, large 1 — GLOVES, welder's,

FSN 8415-268-7859



glass filter lens, w/hardw/eye cups, w/hardened ened glass cover lens, headband supported over 1-GOGGLES, welder's,

FSN 4240-203-3804

supported over spectacle non-polarized, headband clear hardened glass lens, per's, w/eye cups, w/ 1 — GOGGLES, chip-



FSN 4240-269-7912

ib, 16 inches long machinist's, ball peen, 2-1 - HAMMER, hand



FSN 5120-224-4047

and punch point, sgl bevel w/coiled spring hdl, 10 welder's, 14-oz, stght peer nches long 1 — HAMMER, hand



FSN 5120-585-2382

1—HANDLE, file, wood, 1½-in dia, 5½ inches long, large size



FSN 5110-263-0341

wire frame style, sgi flint, round file, hooded type 1 - IGNITER, friction



FSN 5120-190-5540

stght nose, w/cutter, 10 inches long 1 - PLIERS, slip joint,



FSN 5120-223-7398

solid, 1/8-in dia tapd pt, 4 nches long 1 - PUNCH, center,



FSN 5120-293-3509

in dia pt, 10 inches long 1 - PUNCH, drift, %

FSN 5120-293-0448

52



8

FSN 5210-239-0489 tions, (steel)

Sec-

or (wood).

FSN 5210-239-3393

8-in blade, 141/2 inches insert hdl, 36-in wide tip, flat tip, metal, w/wood - SCREWDRIVER



FSN 5120-222-8871

movable, 8 to 9 inches stight and 1 reg bent, reist's, dbl pt, screwed, 1 1 - SCRIBER, machin



and miter head, w/scriber tion, 12 inches long, so



5120-224-3153

offset, dol hd, 36-in and

1 - WRENCH, box, dbl

%-in opngs, 4 inches long

FSN 5210-221-2068

and level

%-in opngs, 43/4 inches offset, dbl hd, 1/2 in and 1 - WRENCH, box, dbl

FSN 5120-224-3154

1 - WRENCH, box, dbl offset, dbl hd, %-in and 34-in opings 6 inches

FSN 5120-224-3138

adj, sgl hd, 8 inches long 1-WRENCH, open end



FSN 5120-240-5328

adj, sgl hd, 12 inches long 1-WRENCH, open end



FSN 5120-264-3796



%-in opngs, 41/8 inches fixed, dbl hd, 36-in and

%-in opngs, 51/s inches 1-WRENCH, open end, fixed, dbl hd, 1/2-in and



FSN 5120-277-2342

end, fixed, dbl hd, %-in and 156-in opngs, 7 inches FSN 5120-187-7124 1 - WRENCH,

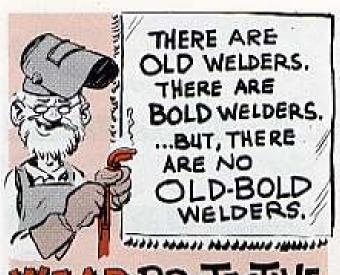


FSN 5120-277-8301

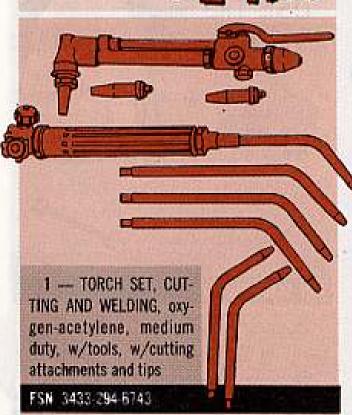
cutter, 8½ inches long curved jaw style, w/wire 1 - WRENCH, plier



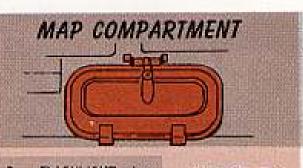
FSN 5120-494-1911



WEAR PROTECTIVE CLOTHING ALWAYS!



(Your torch set comes from one of 6 different manufacturers — National Cylinder Gas Co., Smith Welding Equipment Co., Victor Equipment Co., Linde Air Products Co., Black Mfg. Co. or Dockson Corp. So yours may not look exactly like the setup shown. All the sets have the same FSN, but when you order replacement items, make sure you get 'em for the particular manufacturer's set you have.)



2 — FLASHLIGHT, electric, hand, 2 cell, w/lamp



FSN 6230-264-8261

4 — BATTERY, dry, 1.5 volt (in flashlights)



FSN 6135-120-1020

BAG, pamphlet, cotton duck



FSN 2540-796-1712

IN BAG:

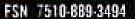
1 — LUBRICATION ORDER, LO 9-2320-211-12.

1 — MANUAL, TECHNI-CAL, TM 9-2320-211-10 w/ changes as indicated by DA Pam 310-4.

1 — FORM, Accident Report, SF 91.

1 — FORM, Accident Identification, DD Form 518.

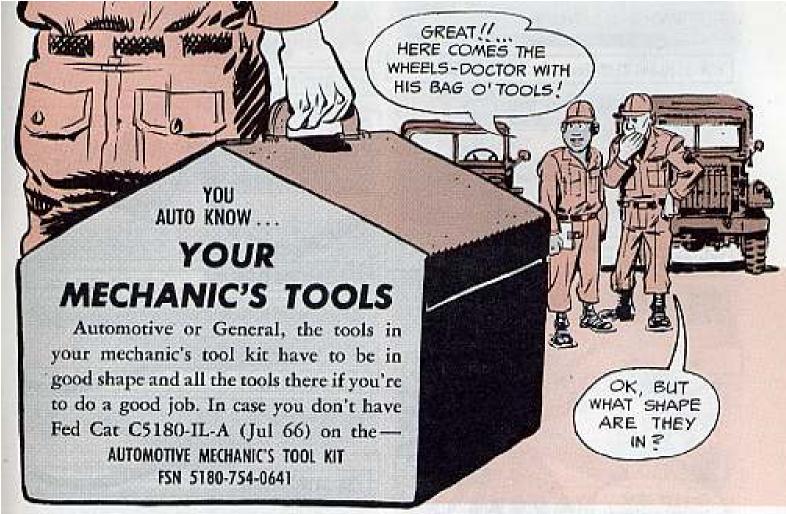
1 — LOG BOOK BINDER



IN LOG BOOK:

 MANUAL, TECHNI-CAL, TM 9-2320-211-ESC/ 2 (for M543) or TM 9-2320-211-ESC/11 (for M543A2). FORMS, as required by TM 38-750.

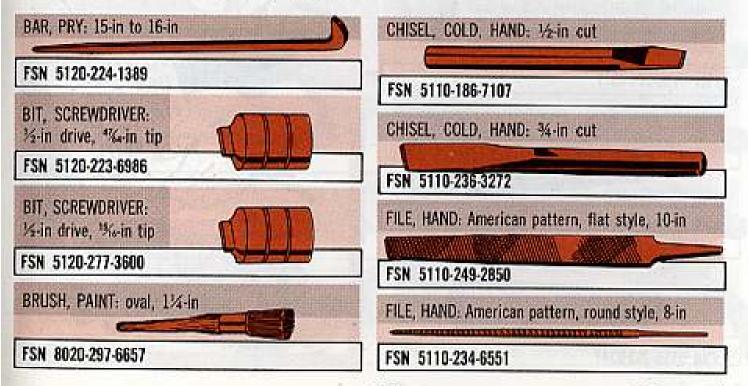


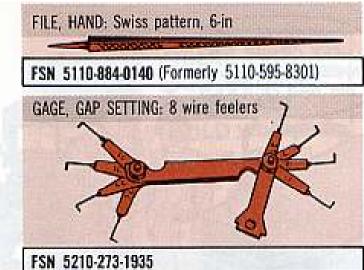


here's a list you can use to check to make sure you have all your tools. This is the latest dope on FSN's and nomenclatures. SM 10-4-5180-A13 has been rescinded by DA Cir 310-17 (10 Aug 66).

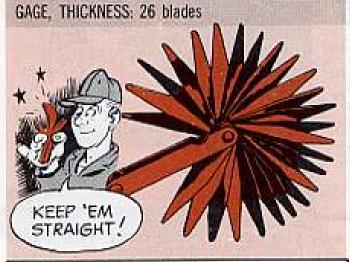
Remember, if the tool you have doesn't look exactly like the one listed here, it's due to different manufacturers making the tools. One should do the job as well as the other.

You get only one tool unless noted.









FSN 5210-221-1999

HAMMER, HAND: ball peen, 8-oz



FSN 5120-242-3913

HAMMER, HAND: striking, drilling, 2 lb



FSN 5120-224-4047

HANDLE, FILE, WOOD: 41/2-in



FSN 5110-263-0349

HANDLE, FILE, WOOD: 51/2-in (2 ea)



FSN 5110-263-0341





FSN 5340-682-1508



PLIERS, DIAGONAL CUTTING: 6-in

FSN 5110-239-8253

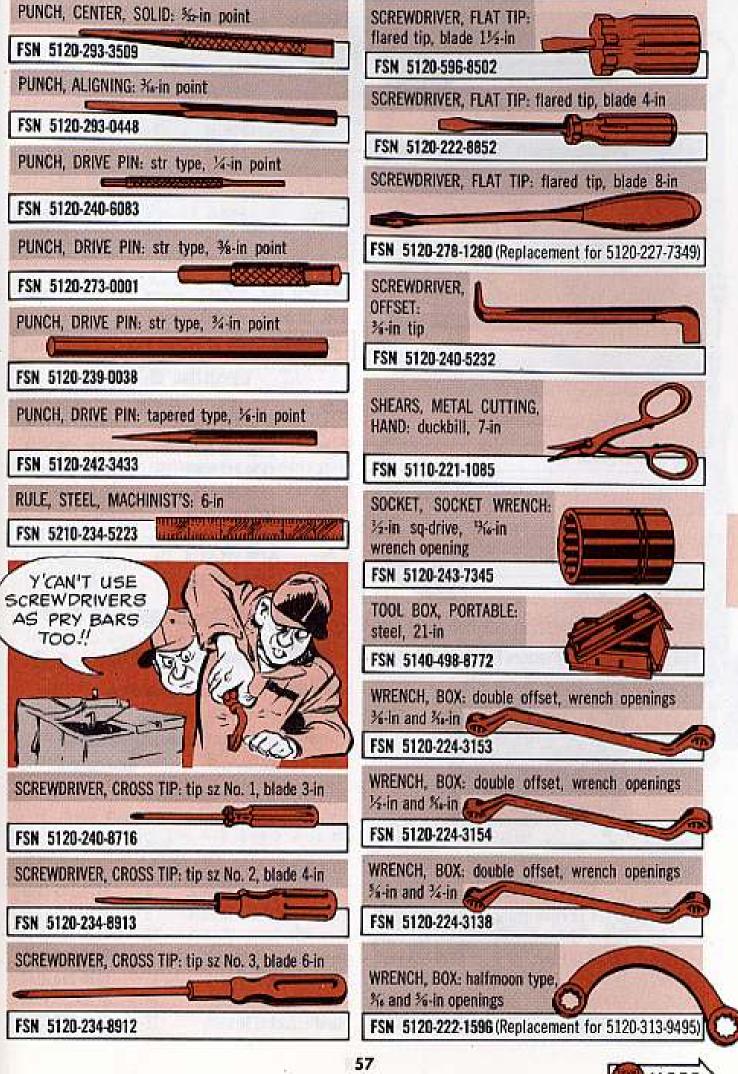
PLIERS, SLIP JOINT: 71/6-in



PLIERS, SLIP JOINT: straight nose, 8-in lg

FSN 5120-223-7397







FSN 5120-240-5328

WRENCH, OPEN END, FIXED: 15 degree angle of head, 36 and 36 inch openings

FSN 5120-277-2342

WRENCH, OPEN END, FIXED: 15 degree angle of head, 1/2 and %-inch openings

FSN 5120-187-7124



WRENCH, OPEN END, FIXED: 15 degree angle of head, % and 1% inch openings



FSN 5120-277-8301

WRENCH, SPANNER: adjustable hook type, ¾-in to 2-in diameter range



WRENCH SET, COMBINATION BOX AND OPEN END:

FSN 5120-293-0535 (Replaces FSN 5120-357-8411)

CONSISTING OF: (W/ROLL)



Wrench Openings, In.	Box Wrench Opening Shape	Nom O/A Lg, In.	FSN
%	Hex or 12 Point	31/4	5120-228-9503
36	Hex or 12 Point	4%	5120-228-9504
7/4	Hex or 12 Point	5	5120-228-9505
<i>y</i> ₂	12 Point	51/4	5120-228-9506
%,	12 Point	5%	5120-228-9507
3/6	12 Point	6%	5120-228-9508

Wrench Openings,	Box Wrench Opening	Nom O/A	
ln.	Shape	Lg, In.	FSN
11/4	12 Point	7	5120-228-9509
34	12 Point	8	5120-228-9510
13/16	12 Point	101/4	5120-228-9511
1/4	12 Point	1014	5120-228-9512
15%	12 Point	12	5120-228-9513
1	12 Point	121/2	5120-228-9514
1%	12 Point	14	5120-228-9515
11%	12 Point	141/3	5120-228-9516
11/4	12 Point	16	5120-228-9517

WRENCH SET, SOCKET: square drive, 1/2-in drive size, 12 point sockets, w/case

FSN 5120-081-2307 (Replaces FSN 5120-289-8665).

CONSISTING OF:

Size,	ln.	FSN	Size,	In.	FSM
1/6	100	5120-237-0982	3/12		5120-189-7915
7/6		5120-189-7924	13%	J.c.	5120-189-7933
1/2		5120-237-0984	1/4	1.1	5120-189-7934
%		5120-189-7932	15%		5120-189-7935
19/2		5120-239-0019	1	333	. 5120-189-7927
3%		5120-189-7946	1%		. 5120-189-7913
1/16		. 5120-235-5870	1%	3600	. 5120-189-7914
3/4	***	. 5120-189-7985	11/4	133	5120-189-7917



HANDLE AND/OR ATTACHMENT DATA

and the same of the same of	Nom Lg,	1000
Item Name	In.	FSN
Extension, Socket Wrench	2	5120-243-1697
Extension, Socket Wrench	5	5120-243-7326
Extension, Socket Wrench	10	5120-227-8074
Handle, Socket Wrench	9	5120-230-6385
Handle, Socket Wrench	11	5120-241-3142
Handle, Socket Wrench	18	5120-236-7590
Handle, Socket Wrench	18	5120-230-6364



KEEP YOUR COOL, CAZ!

Carrier Equipment can lose its cool quicker'n a cat seein' a dog, especially when the weather is super-warm . . . like in Charlie country.

But, one good way to keep overheated carrier equipment operating is to pull out the component drawers part way. Let air circulate around them, and operate away!

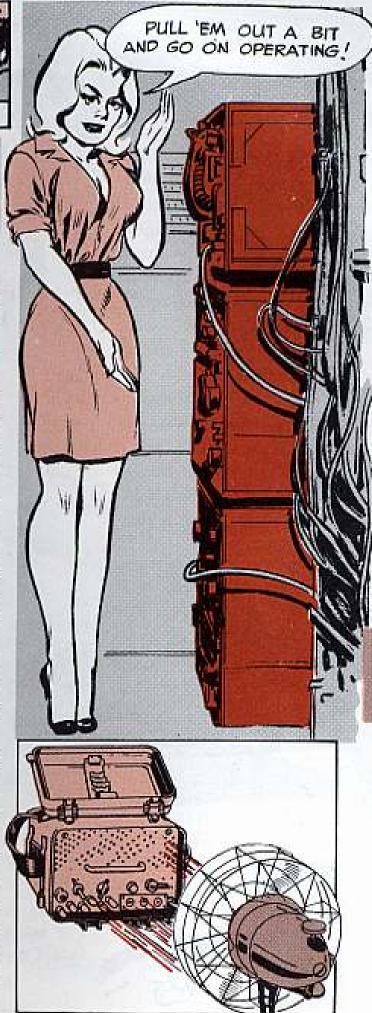
However, one component, the TH-5/ TG telegraph terminal, needs special attention. Hot climate, enclosed space and its own generated heat puts that little job out of operation when other components are still clicking away.

Point a fan at it if you can, and make sure the air hits the unit. That's about the handiest way to stay in business longest.

If you don't have a fan, you might try a relay. Like, shut down for a minute, remove the hot TH-5 and replace it with a cool one.

The wheels know about the TH-5's over-heating problem, so they're working on modified circuitry to help out. Also, an MWO is being worked up which will provide forced air cooling.

Like, don't lose your cool, pal. The iceman's coming.





COVER SB-86/P WITH TLC (TENDER LOVING CARE)

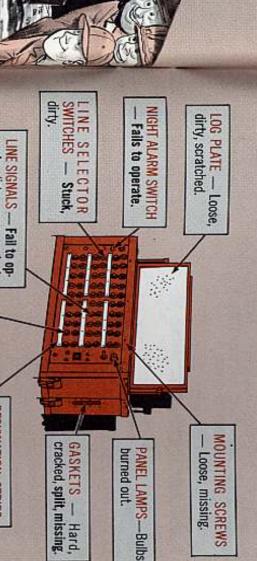
TA-207/P SWITCHBOARD SIGNAL ASSEMBLY (Field Jack Section)

manual telephone switchboard. keep 'em off your SB-86/P luscious la femme on your knee - that's your problem . . . but, A cup of coffee, tea or a

on the outs with your equipflow of fancy talk and put you dames can damage the fluent Spilled drinks and weighty

supposed to. will talk to you the way it's it right and the switchboard for a goodie bar or stool, treat So, instead of using the SB

points in bold type: ing, with the more serious clues to tell you trouble's brew-Here're a few switchboard



broken, missing. erate, dirty; cover cracked, MOIST. Dirty, rusty,

writing obscure.

DESIGNATION STRIPS Dirty, mutilated,

Hard,

Dirty, stuck, clogged with broken wire. BINDING POSTS

MENT - Dirty, cor-BATTERY COMPART-

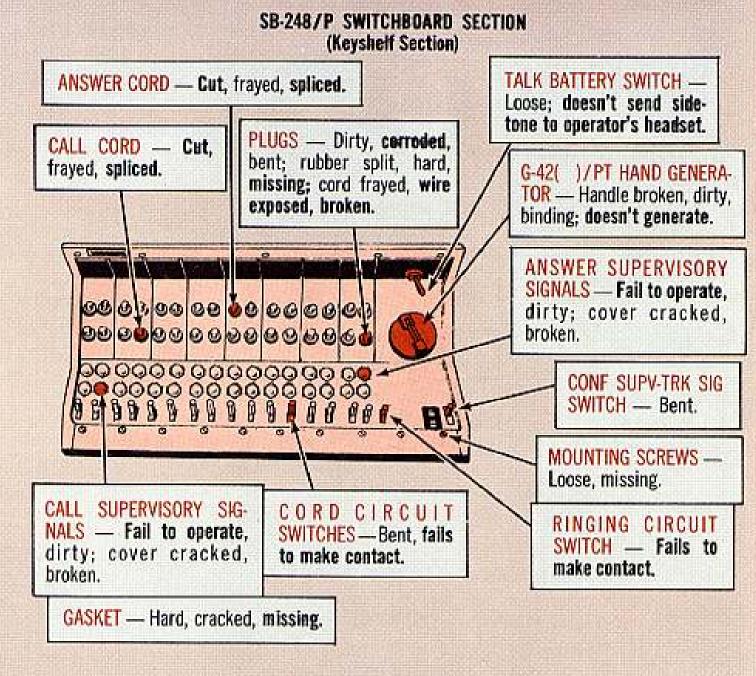


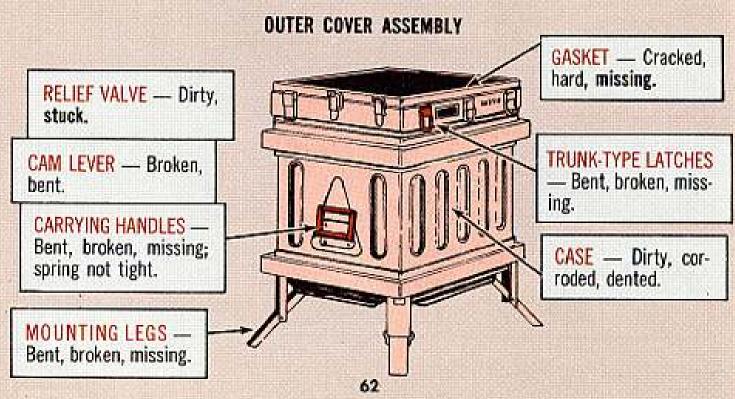


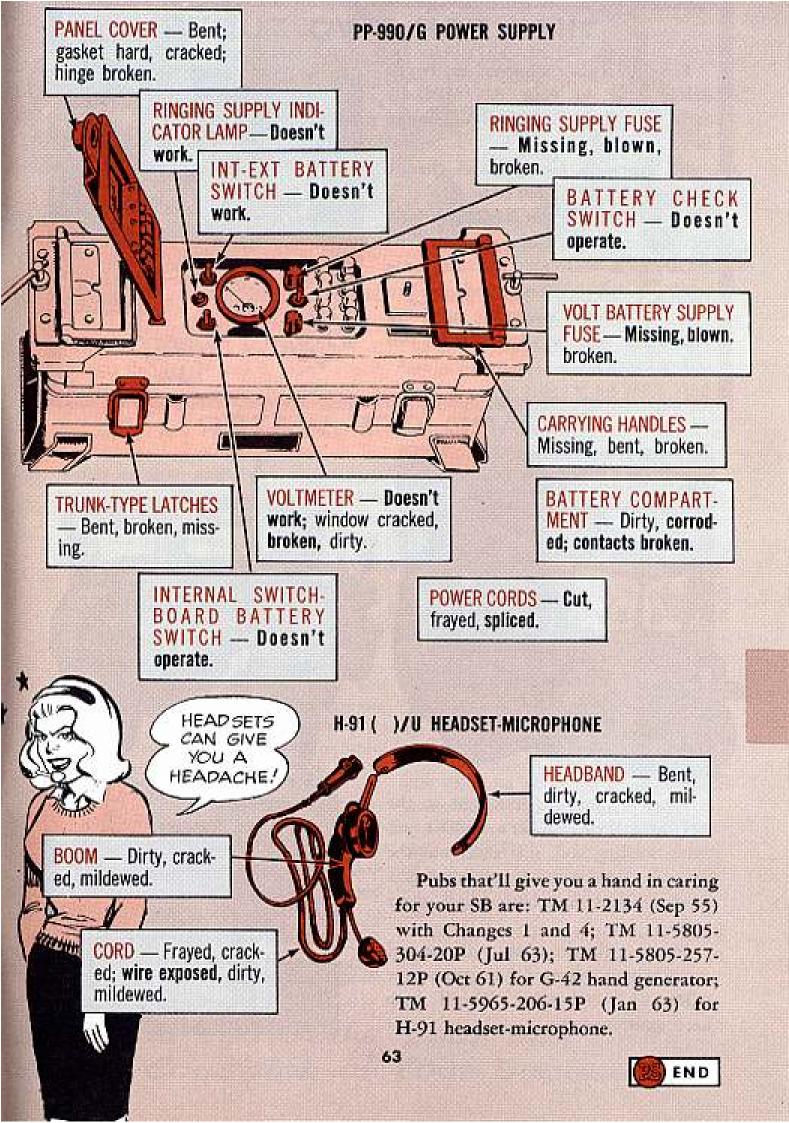
damage the cord, toute de suite. it in, hold it by the plug. Pulling or pushing by the cord will Note to Remember: When pulling the cord from a jack, or putting



2







TIME FOR TWO TUBES

Fixin' to replace a burned out sweep driver tube in your AN/MPQ-4A radar set's IP-375 azimuth and range indicator?

Be generous, George, and change both of 'em while you're at it.

That's right, because if it's the V4503 electron tube that has gone kaput, its V4504 twin will carry the load for a while . . . or vice versa. And, you can bet your azimuth sweep the surviving tube's life will be shortened by this power overload.

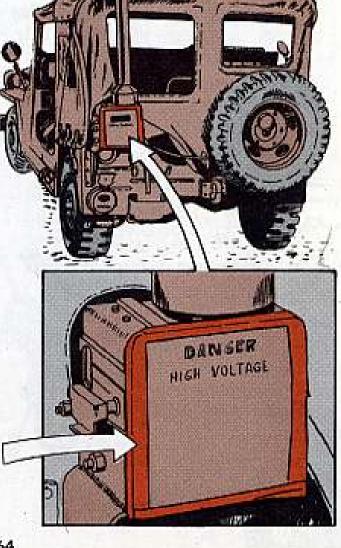


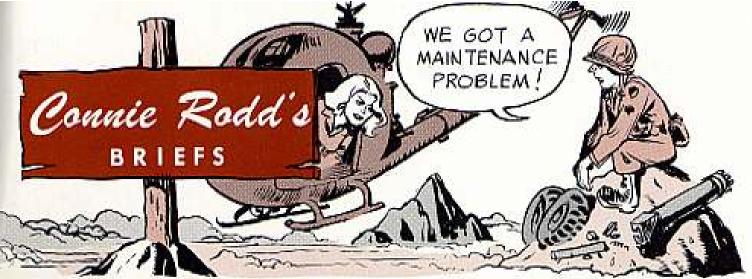
WARD OFF WATER



When a moisture leak gets to the AN/MRC-95 radio set's 690D-1 antenna loading coil, it'll short out the antenna. Best invite to moisture is a hard, cracked or broken access cover gasket.

Just ring the rim of the coil case and cover with a piece of 1-in green tape (FSN 8135-269-8088). This'll help keep moisture out.





Winterize With Alcohol Easy on "Night-Eyes

In freezing temperatures winterize your multifuel, diesel and gasoline fuel systems the same. That is, add ½ pint of Grade III, Spec O-E-760B denatured alcohol (FSN 6810-543-7415 brings a gallon) to every 10 gallons of fuel. It's now OK to use alcohol in tactical vehicle's multifuel and diesel fuel system too. USATAC message 1-11635 (18 Jan 67) to all major Commands and Armies gives the go-ahead . . . plus other precautionary measures.

Built-In Arrestor

With the turbo-supercharger that's used on some of your tactical truck engines, you've got a built-in spark arrestor feature. So if your truck has an LDS-427-2 (2½-ton truck), an ENDT 673, LDS-465-1 or LDS-465-1A engine (5-ton truck) you'll never have a need for a spark arrestor muffler.

Covers to Sharpe

Immediately — like right now — ship back those specially-made plastic-coated fiberglass aircraft shipping covers to Sharpe Army Depot as fast as you take them off. They're in short supply and have to be used over and over again. You men on M48A3 and M60 tanks and M728 CEV, take heed. Watch your feet as you climb in or out of those tanks. A lot of image tubes in the M32, M32C and M36 infrared periscopes are being busted by big brogans. Also, anytime you've got that periscope out of the tank, handle and lay it down gently. Use the reusable metal container to ship back any scope going for repair.

Xenon Searchlight Goof

Somebody crossed up a couple of wires in a batch of Model M-9910B xenon searchlights (Serial Nos. 3004 thru 4239). This causes light burnout quicker than a flicker. Get your xenon light in to DS for a fast fix.

Don't Run on PE!

Some diesel and multifuel engines run with PE- type oil in the crankcase are suspected of failing early, so here's the word: Before placing equipment in use, replace the PE-1, -2, or -3 preservative oil with the right grade of OE. Don't wait till the first oil change, like your LO's usually say.

This does NOT apply to spark plug equipped engines, which run fine on PE oil for break-in purposes.

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

