

WHO?

... performs those ESC checks?

questions likeout to the field, more guys are asking With all the new ESC TM's rolling

Who does this ESC bit?

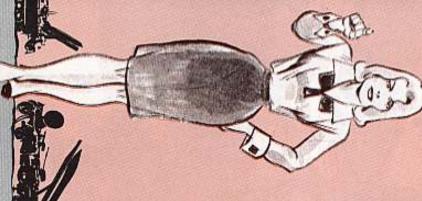
How often?

ment. If you're a truck driver, you make). Radio or radar operator? . . ought to have specific checks to or missile crew, you do it (each man truck. If you're on a tank, artillery pull the ESC checks on your own who operates or uses a piece of equip-Who? The who is you, the man

and lends a hand when you need it keeps an eye on how you're doing chanic or technical specialist. Of some outfits have for daily maintecourse, your squad or section leader might get help from your unit me-In fact, it's a lot like "motor stables" Now, if you're new to ESC, you

status of your gear. any time you're working on or operwould change the Green-Amber-Red report to your sergeant anything that not write down the score. But you do aling your equipment, the you may How often? You do some checks

YOU!



you've got the score. get some info from the log book. And your gear as the ESC requires. You checkpoint with great care; operate **Equipment Serviceability Criteria**

time for the official ESC check you're

Then, when it comes

is. Help it to tell the truth. how Combat Ready your equipment The ESC is designed to tell you

equipment real well. already know your ready to go. You

You go over each



that by the Department of the Army

THE PREVENTIVE MAINTENANCE MONTHLY

IN THIS ISSUE

GROUND MOBILITY 2:28 Special Article
Ment Your Mills 2-28



DA Form 2408-17 37 OH-13 38-41 U-8 38 OH-23 39 AIR MOBILITY 37-44 0V.1 UH-18 AV./ACC27 & 55 42-40 88-433/A 44



COMMUNICATIONS 46-53



M24 00 55 FIREPOWER 54-57 Metascape Assembly 57



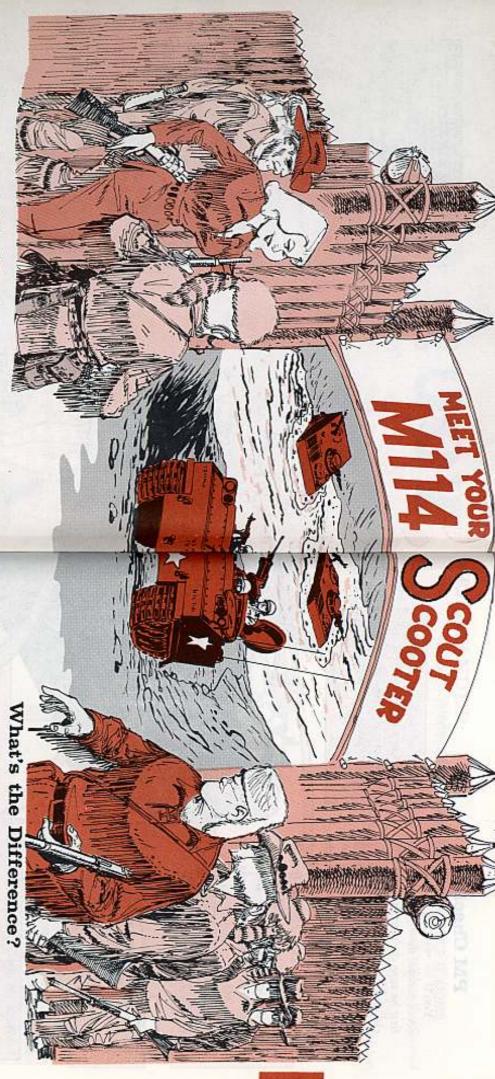
DA Form 2408-3 58-59 DA Form 2407 58-59 P Pubs 60-61 Jeta Gen. Airesearch Gen.
Stewart & Stewenso
Gen.
MIT Wash
Pubs 0353 Caterpillar



the of teets for printing of this publica-tion has been approved by Buddquarters, Department of the Army, 4 April 1982. USSINBUTION in accommon with its spatements submitted on the form 12 d.



Sqt Half-Mast. god Knos, Ky PS Magazine,



Well, bully for you! So you're a rootin', tootin', shootin', scootin', scout!

M114 or M114A1 Armored Command and Reconnaissance Carrier. Now let's make you acquainted with the best friend a scout ever had . . . an

small arms fire. never climb or swim, and it gives that valuable hide of yours protection from This scout-scooter can take a three-man-crew places that a scout jeep could

So you think this is too good to be true?

buggy and you'll get the full advantage of its mobility, protection and punch. It is true-all you have to do is spend a little time maintaining this all-terrain

it was born a boat. it is or if there's a bridge handy. You jun swim your Scout-Scooter across like package. Like, when you come to some water you don't worry about how deep First off, you're going to find some things are a little different with this track

> M114 the M2HB flex-type machine gun is pintle-mounted and can only be fired and fired with the commander's station hatch cover either open or closed. On the

the M114A1 a .50-cal M2HB turret-type machine gun can be elevated, traversed,

The M114 and the M114A1 are alike except for the commander's station. On

with the hatch open.

M116 Cargo Carrier

steer, and idler wheel hubs. both have the same engine, transmission, geared dope on the M114 series will apply because they If you have an M116 Cargo Carrier, a lot of the

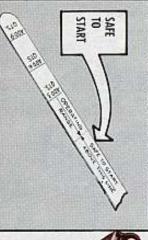
part check both vehicle TM's. M116 and the M114. So, before interchanging a But there's also a lot of difference between the



PM Checks

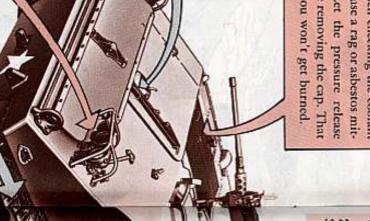
your M114. dope on how to make friends with observer. Change 2 (Jul 63) to assigns others to the driver or the makes some of them himself and the before-operations checks. He cle commander is responsible for first be sure she's ready. The vehi-Scout-Scooter through its paces but This little guide gives you more lists the PM checks and servicesyour TM 9-2320-224-10 (Jun 62) You'll be wanting to put your

steer unit is at the Safe-To-Start mark. Make sure the oil level in the geared



the rear lights at the same time. Don't are working. Have the observer check damage your eyes look into the infrared lights- it could the lenses which get hot when the lights lights so you can check 'em by feeling lights, blackout lights and infrared Have the driver turn on the head-

> way you won't get burned. before removing the cap. That ten. Let the pressure release level, use a rag or asbestos mit-When checking the coolant



throws and it's your insurance against track misguiding and road wheel rubrectly adjusted track almost never check tension on both tracks. A corber chunking. Team up with the observer and



TRACKS FOR

For The COMMANDER:

THE LATEST EDITIONS OF THESE FORMS AND MANUALS SHOULD BE ABOARD

- Vehide log book binder (FSN 7510-889-3494) with 4. Operator's Report of Motor Vehicle Accident (Standard Forms 2408, 2408-1, 2, 3, 5, 6, 7, 8, 10,
- 2. Operator's Manual, TM 9-2320-224-10.
- 3. Lubrication Order, LO 9-2320-224-10. [-17] when the new one comes out.)
- Form 91).
- 5. Accident Identification Card (DD Form 518)
- 6. Equipment Inspection and Maintenance Worksheet (DA Form 2404).

all equipment in the commanat operating temperature give der's station. When the oil is ing up, check the .50-cal and the geared steer its hot check. While the engine's warm-

rubber chunking. bolts and excessive idler and road wheel

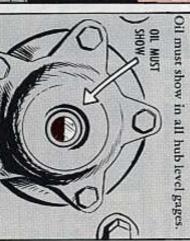
No center guide should be broken or twisted

Look for broken track cables, missing

Look over both sides of the vehicle.

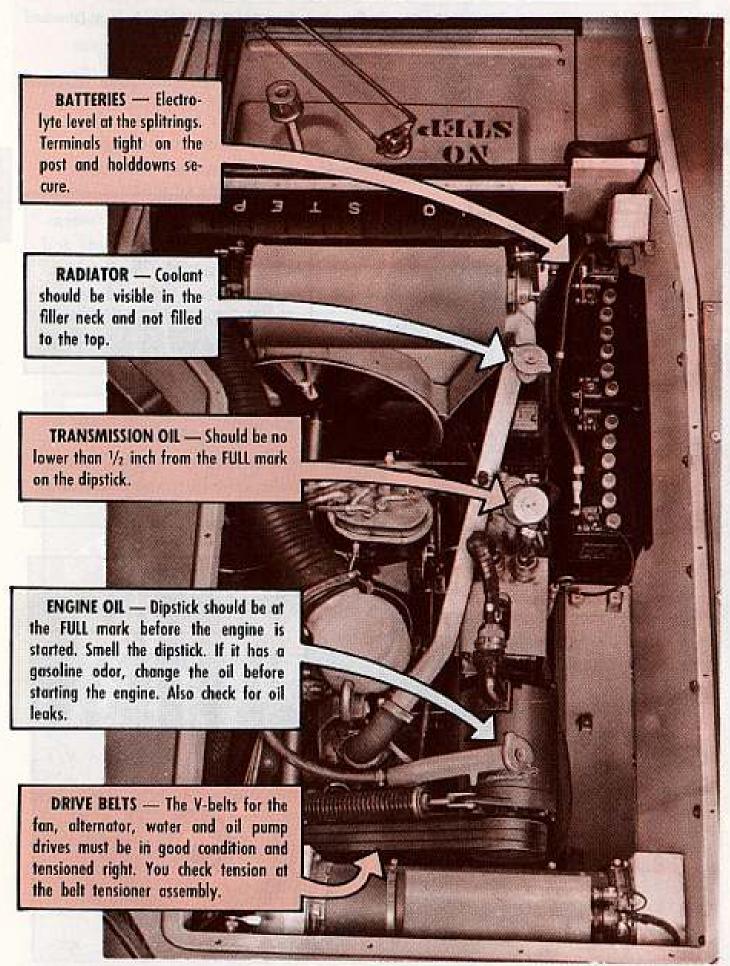
handle seal should not be broken. If it is, get the extinguisher recharged and sealed before starting the vehicle. The fixed fire extinguisher operating





For the DRIVER:

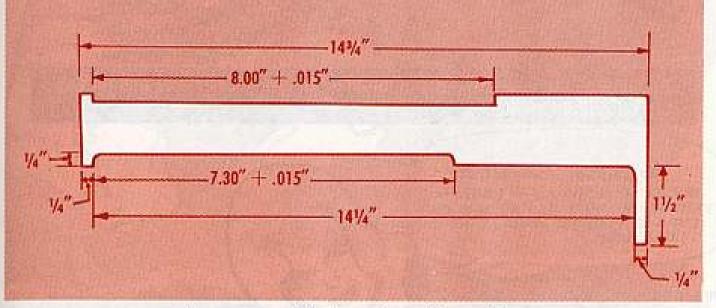
MAKE THESE CHECKS BEFORE STARTING THE ENGINE.



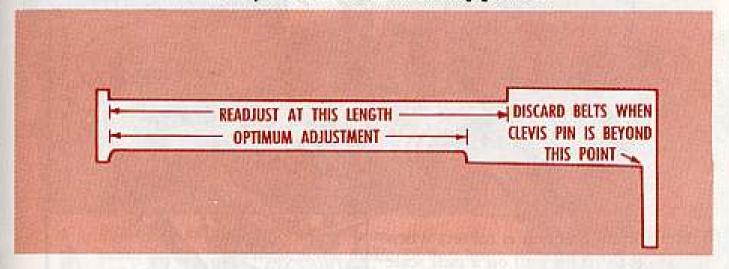
THE FAN AND ALTERNATOR BELTS:

You check tension at the belt tension assembly with a homemode belt tension adjustment gage.

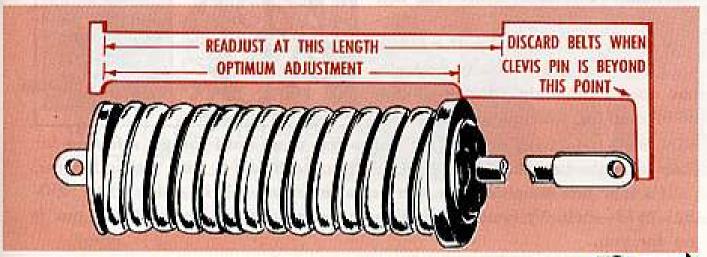
Make the gage out of 1/16 to 1/8 inch steel to the tune of the following dimensions:



. . . then stamp or etch the instructions on the gage, like so:



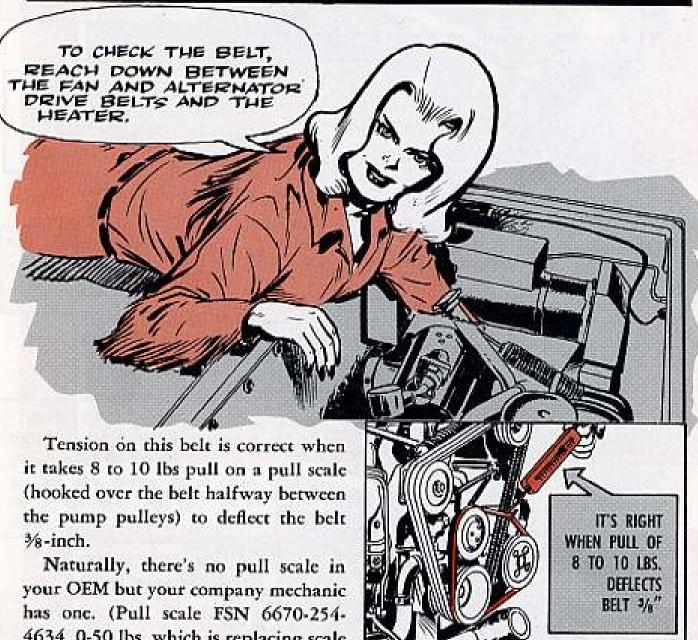
. . . here's how to use the gage to check for proper tension:







THE WATER AND OIL PUMP DRIVE BELT IS IMPORTANT BECAUSE IF IT BREAKS OR SLIPS OFF YOU STEER THE VEHICLE. CANT

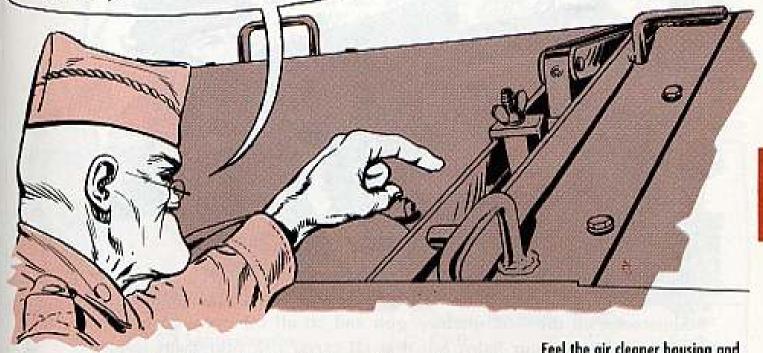


4634, 0-50 lbs, which is replacing scale

FSN 6670-164-0564.) Borrow the scale a few times until you get a feeling for how tight the belt should be. After that you can test it with a thumb press.

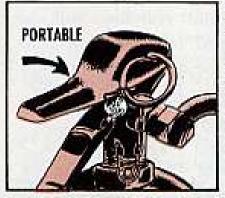
If a new belt is needed, you can get a preferred belt by using FSN 3030-825-7374-Belt, V, (water and oil pump drive). Your mechanic can put it on for you.

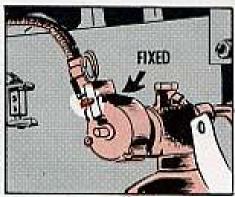
LOOK OVER THE SURFBOARD AND SURFBOARD BRACKETS FOR CRACKS AND THE SURFBOARD CONNECTOR ASSEMBLY FOR BENDS.



Next, check the seals of both the portable and the fixed fire extinguishers.

Feel the air cleaner housing and satisfy yourself that it's securely latched.



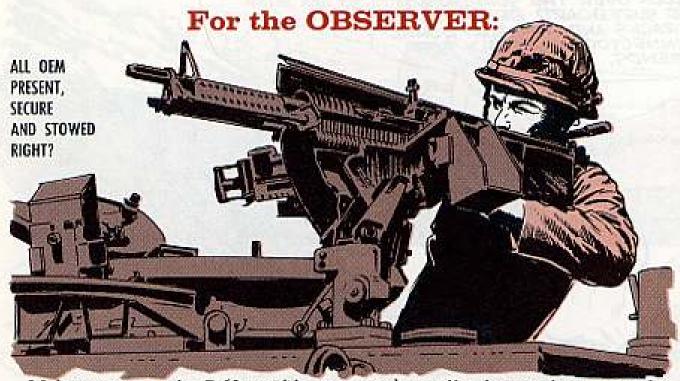


FIXED FIRE EXTINGUISHER — The location of this extinguisher depends on the model of your vehicle. On these late model vehicles it has no inside operating handle. It's put in operation by pulling the safety pin ring.





After you start the engine and warm it up, stay in the driver's seat while the commander hot checks the geared steer and the observer hot checks the transmission.

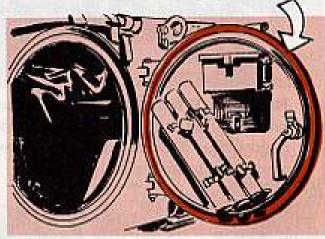


Maintenance on the 7.62 machine gun and on all other equipment at the observer's station is your baby. See that all cargo and equipment inside the vehicle is present, secure and properly stowed . . . this includes guns, ammunition, personal gear, rations, life preservers and all other OEM in sight.

Run your hand under and around the personnel air vent to make sure there're no obstructions.

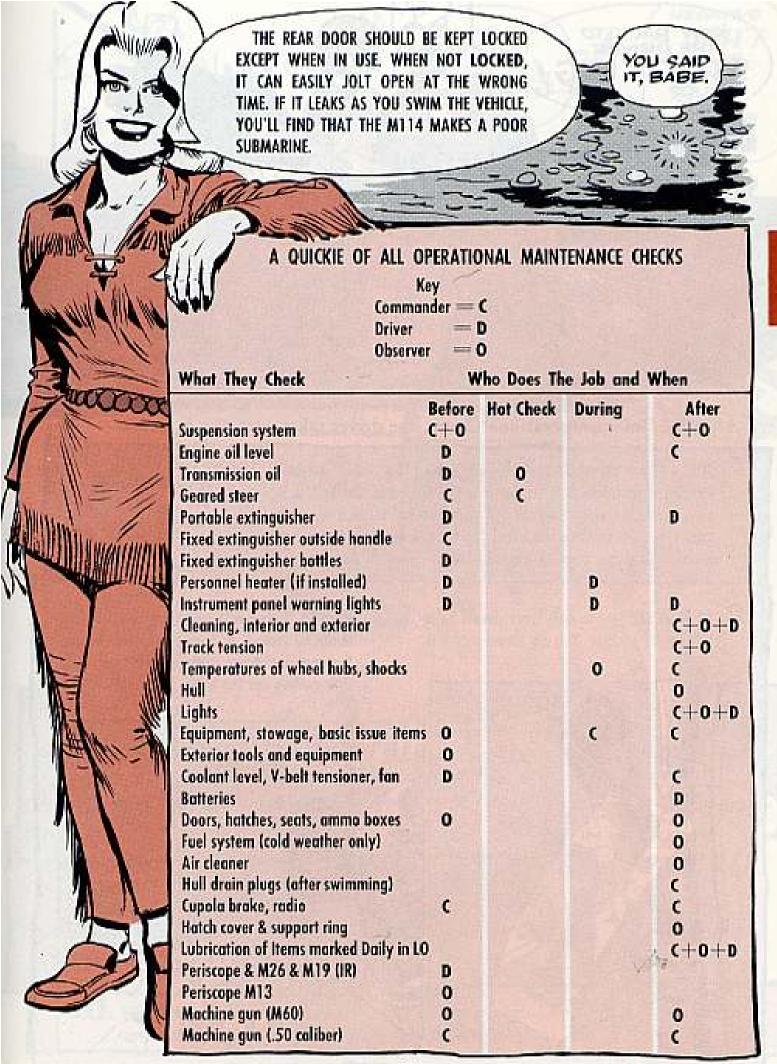


Open the hull rear door and check the water seal for tears and cracks. Then close the door from the outside and look it over for a tight fit.



Make sure that the hull drain plug that's under the right, rear, of the vehicle is in place and tight. And that the other five hull bottom drain plugs are all in place and tight, too.

After you're all done re-enter through the rear door and lock it from the inside.





NEGATIVI HBH

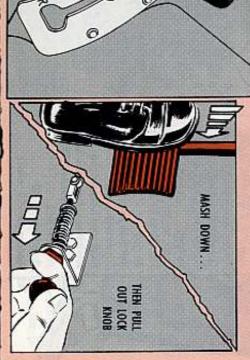
After the Before Operations Check, the driver takes over like so

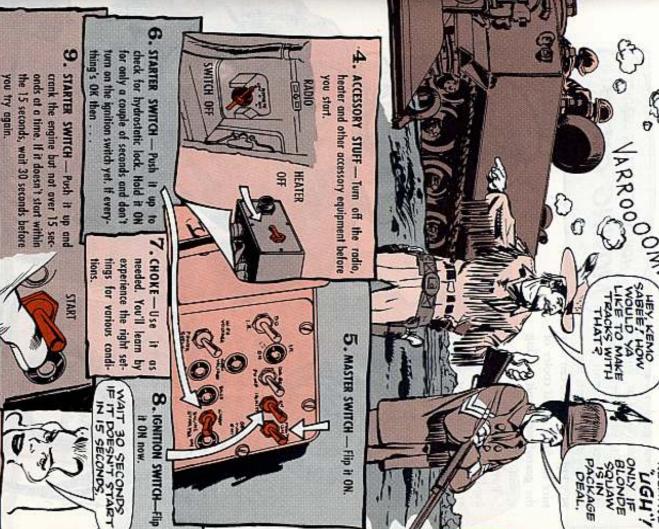
FUEL - Turn ON your fuel shut-off valve. This valve operates through a complete 360° circle. It is full ON when the handle is occurate as a fuel gage so gas up when it shows 1/4 tank or less. sight tube tells you how much fuel you have in the tank. It is not as parallel to the fuel line and full OFF when at a 90° angle. The plastic

EACH TIME **YOU STOP** HO TUHS ENGINE SIGHT TUBE

2. SHIFT LEVER — The shift lever should be in N (neutral) position. You can't start until it is.

ω. BRAKES - Normally your brakes would already be locked. If they're not, lock 'em by then pulling out the brake lock knob first mashing down on the service brake and





10. WARM UP — Let the engine warm up at least three minutes — five in cold weather — before you move out. While it warms up, check your instruments.

12

ture the filter or oil cooler of warmup. If you have cold oil the engine too fast during system. the geared steer unit cooling rary high oil pressure can rupyou race your engine, tempoin the geared steer unit and It's not good to rev up

out. If any of the lights are on, starts. Other lights should be fores before you move out. find out the whys and where-10 seconds after the engine ing light should go out within Power plant master warn-



temperature should read 160 warmed up the engine coolant needle should be in the green zone and when the engine is Your Battery- Generator



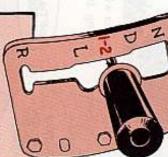
the service brake pedal. That'll release the brake

BRAKES OFF-To unlock your brakes, press down on

TRANSMISSION SHIFT

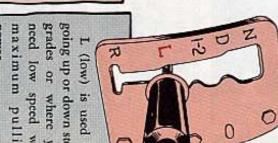


automatic up or down or L (low). Mostly you'll range . . . D (drive), 1-2 forward speeds. shift through the four because that gives you want to stay in D (drive) Move out in the right



and downward, but only between first and automatic, both upward second gears. country. The shift is for very rough, hilly, The 1-2 range is best



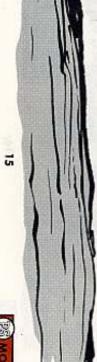


power. need low speed with grades or where you going up or down steep maximum pulling L (low) is used for



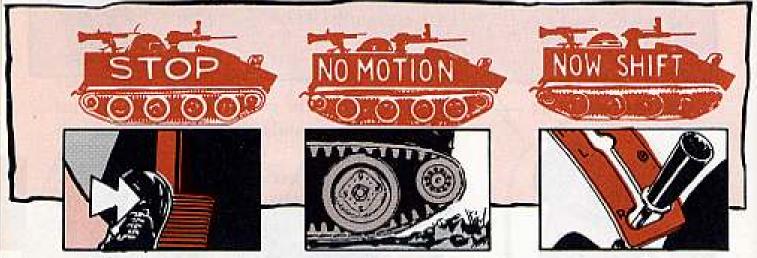
UPSHIFT AND DOWNSHIFT - Are automatic. F'rinstance,in D (drive), you can be in 1st, 2nd, 3rd, or 4th gear. It'll change to meet driving conditions.

of course, you will grind along in low without any upshift In 1-2 range, the shift is automatic between first and second only. In L (low),

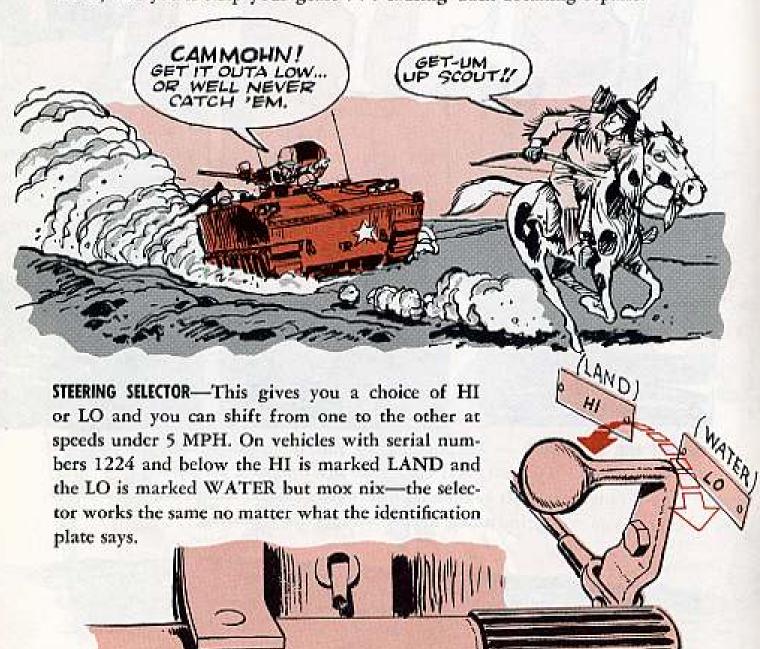


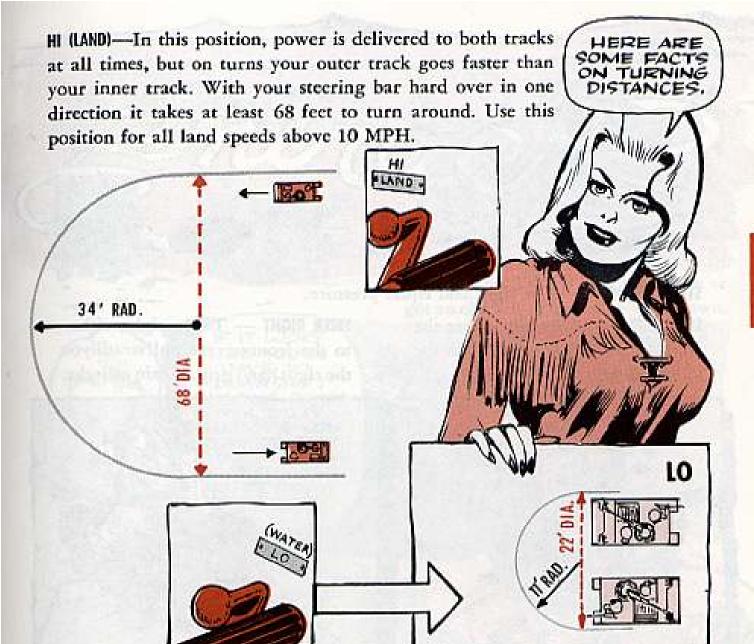
4

REVERSE—Before you go into or out of R (reverse)—STOP any motion of the track before you shift.



There's no exceptions to this and it applies whether you're on land or water. Do it, and you'll strip your gears . . . causing back breaking repairs.





the outer track, which continues to turn, skids the inner track around. This lets you turn on land in as little as 22 feet. However, you don't use it on land when you are going faster than 10 MPH. Because this position gives you better control it is used when you are in water. Once you get out of the water, though, shift to the HI (LAND) position because you'll want to go faster than 10 MPH. The LO (WATER) position gives you maximum control and additional power so sometimes you'll want to use it on ice or mud if one track is spinning. Just remember, in this position a sudden jerk on the steering bar will pivot your vehicle . . . that's the reason for the no-faster-than-10 MPH rule. This position will give you the highest possible power for climbing steep grades but you'll have to go gentle on the steering.

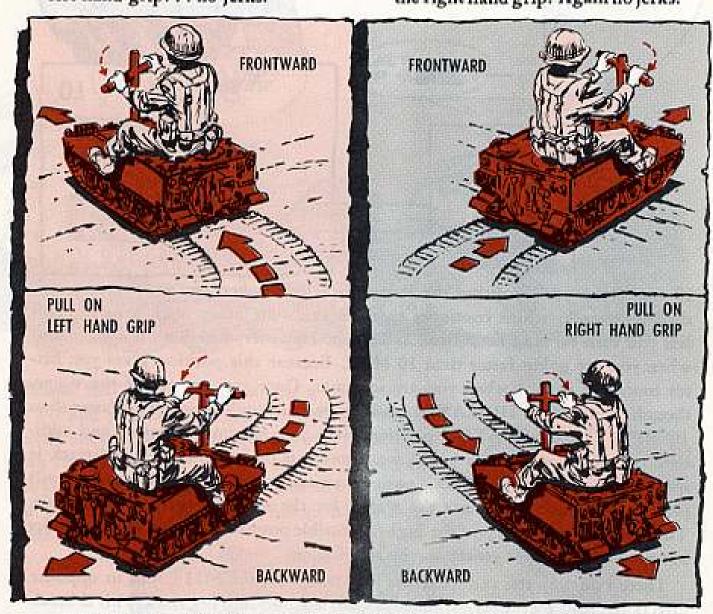
There's no way you can make the two tracks on the M114 spin in opposite directions. And they weren't made to bash head-on into big trees. This'll break 'em up real fast. Always pick a route and speeds that'll cause the least wear and tear . . . and repairs.



STEER STRAIGHT — Use light and equal pressure.

STEER LEFT — To go left, either the front or rear, pull steadily on the left hand grip. . . no jerks.

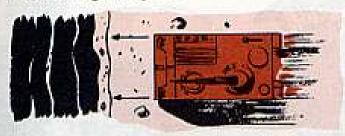
STEER RIGHT — To go right, either to the front or rear, pull steadily on the right hand grip. Again no jerks.



TIGHT TURNS — You'll throw a track for sure if you turn fast in a tight circle. Use a series of short, smooth, motions and your track won't throw.

DRIVING HAZARDS

Your Scout-N-Scoot is a real powerpackage—over-steering and high speed are the big dangers.





Always hit obstacles and steep grades square on. Same goes when you enter or leave water. Take it easy when you've got an obstacle in the way—slow down.



IF IT LOOKS
LIKE YOU'LL
HAVE TO
DOWNSHIFT
IN GOING DOWN
A HILL, DO IT
BEFORE YOU
START DOWN...
THAT WAY YOUR
SCOOT AWAY
FROM YOU.



WHEN HALTED
ON A SLOPE
AND YOU WANT
TO MOVE AHEAD,
MASH DOWN
HARD ON THE
ACCELERATOR
AS YOU RELEASE
THE BRAKES.



ON WATER-AFTER YOU SHIFT INTO REVERSE, DON'T SLAM DOWN HARD ON THE GAS PEDAL, THIS'LL DIP YOUR FRONT END AND MIGHT SINK THE VEHICLE,







could over-heat and be damaged. If you try it with the transmission has no braking power. Either way you engine stopped you're no further ahead because the If you do it with the engine running the transmission would lose. To hold an M114 on a slope:

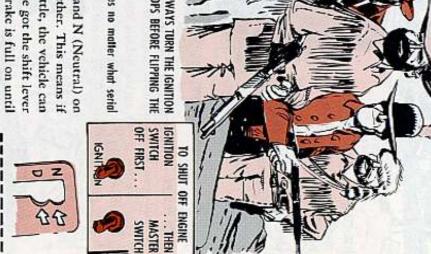


switch OFF while the ignition switch is ON and the damage the generating system if you turn the master system is made so the engine will stop whenever either engine is running. But, on all other M114's (and on all the M116's) you'll the master switch or the ignition switch is turned OFF bers above 1218 (and 1204 through 1212), the electrical MASTER SWITCH - On all M114's with vehicle serial num

> SWITCH OFF AND WAIT UNTIL THE ENGINE STOPS BEFORE FLIPPING THE MASTER SWITCH OFF. Follow this rule: TO SHUT OFF THE ENGINE, ALWAYS TURN THE IGNITION

numbers are on the data place. Get in this habit and you'll have no worries no matter what serial

engine running more than you need to. Also, don't let anyone stand in you get ready to move out and don't rev up your engine in neutral. So-o-o-o, make sure the brake is full on until move forward when you think you've got the shift lever front of a vehicle that is being started or that has its your linkage is out of kilter just a little, the vehicle can your shift lever are pretty close together. This means if RUNAWAY SCOOTER - The D (Drive) and N (Neutral) or



AL ASSTREE

TO SERVICE ELEMENT TO SELECT INTAKE AIR TURN HANDLE BIOMYH MBOLE

SCHOOL ST







to keep the crew compartment warmer and help prevent carburetor icing.

In cold weather throw the lever left to draw air from the engine compartment

crew compartment. This'll make the cleaner act as a ventilator.

Under hot or dusty conditions, throw the lever right to draw air from the

of the air cleaner you'll find it with your fingers.

AIR SELECTOR—An instruction plate on the air cleaner shows how to use the selector

You can't see the lever handle but by putting your LEFT hand over the top



head. All hatch covers on the vehicle can be just as dangerous if not secured. the hold-open latch completely engaged or the hatch cover could bash your HATCH COVERS - When driving with the hatch cover open make sure you have The slack adjusting stud must put enough tension on the driver's hatch or



in travel lock. If it's swinging around freely, hold the receiver up with one hand while you close the hatch with the other. You don't have this problem with the M114A1. If you want to close the Commander's hatch cover, the .50 caliber should be

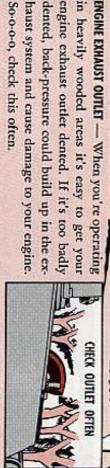
but not wrench-tight. FUEL LINES - If your M114 or M114A1 lines are tight. They should be snugged is new, check to make sure the fuel





steer or put on the brakes. Just take something. of the crew so they can hang on to roll to a stop by itself. Warn the rest your foot off the gas and let the vehicle you've broken a track. Don't try to and you hear a quick "SNAP" noise like a tree breaking, it could mean EMERGENCY STOP - If you're going fast

C



care with the horizontal straps to make sure the ammunition boxes will stay put. tightness. If you stow a partial ammunition load you have to take particular dented, back-pressure could build up in the exengine exhaust outlet dented. If it's too badly in heavily wooded areas it's easy to get your AMMO TIE-DOWN - There are 27 of these straps and you gotta check 'em often for So-o-o-o, check this often haust system and cause damage to your engine.



Parts will fail if they're put together with low Grade 8's by the six slash marks on the head what your Scout needs. They're harder than GRADE 8 SCREW - Grade 8 screws and bolts are grade screws Grade 5's of the same size. You can tell the



cracked or the seal doesn't hold, moisture will get in. supposed to be air- and water-tight. If the box 'gets boxes often and keep 'em water-tight. Then the coil will rust and short out. Inspect these relay RELAY FAILURE - Your starter and bilge pump relays are

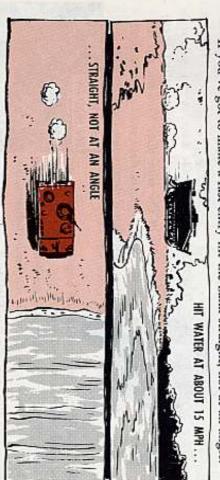


and be sure to follow the stowage plan. Stowage and balance are mighty important.

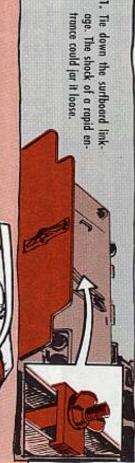
barrel to the left. This will help equalize the weight. caliber to the right. If the tank is nearly empty put the .50 caliber with its If you have a full tank of gas, for good balance move the barrel of the .50

out rocks, stumps or debris and drive into the water slowly at right angles to ENTERING STREAM - When entering a stream select a gentle, sloping, bank with-

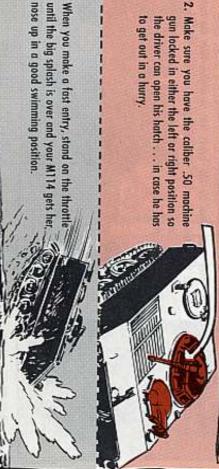
If you've got to make a fast entry hit the bank straight, not at an angle.



Before entering the water, check out two things:



2. Make sure you have the caliber .50 machine to get out in a hurry. gun locked in either the left or right position so the driver can open his hatch . . . in case he has



nose up in a good swimming position.



DANGER! DANGER! DANGER!

DRAIN PLUGS — If you leave out the hull drain plug or one of the access plugs your M114 will sink. See that they're all in place and tight before taking off.

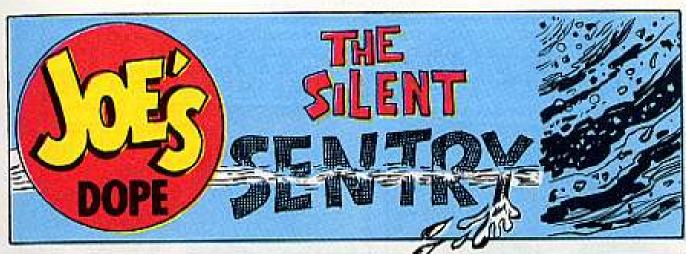
WARNING SPOUT — During all water operations have a crew member watch the bilge pump carefully. If it starts to shoot out a solid stream of water get the vehicle back on land—but fast. This means you've got a bad leak that could sink you. Don't worry . . . if you ship a little water you can have confidence that your bilge pump will handle it.



WATER RECOVERY — Recovering an M114 stalled in water is a job for trained recovery people. Regular crew members should do it only in an emergency. Be careful not to tip the vehicle with your weight when trying to attach a winch cable. Winch a water-stalled vehicle from the shore but don't try to tow or push it in the water with another vehicle.

HULL DRAIN — The bilge pump won't get all the water out of your Scout. To drain her completely, after you get out of the water:







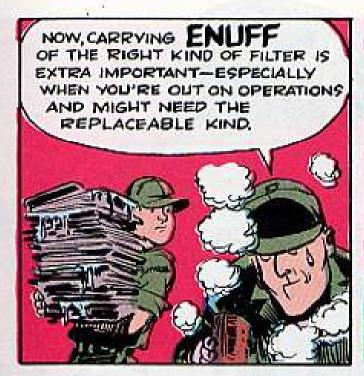




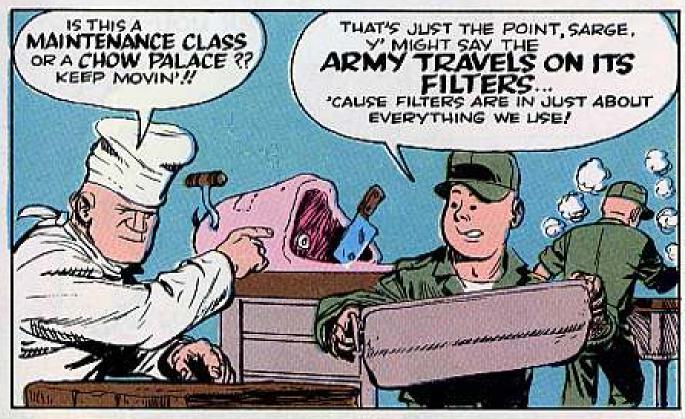




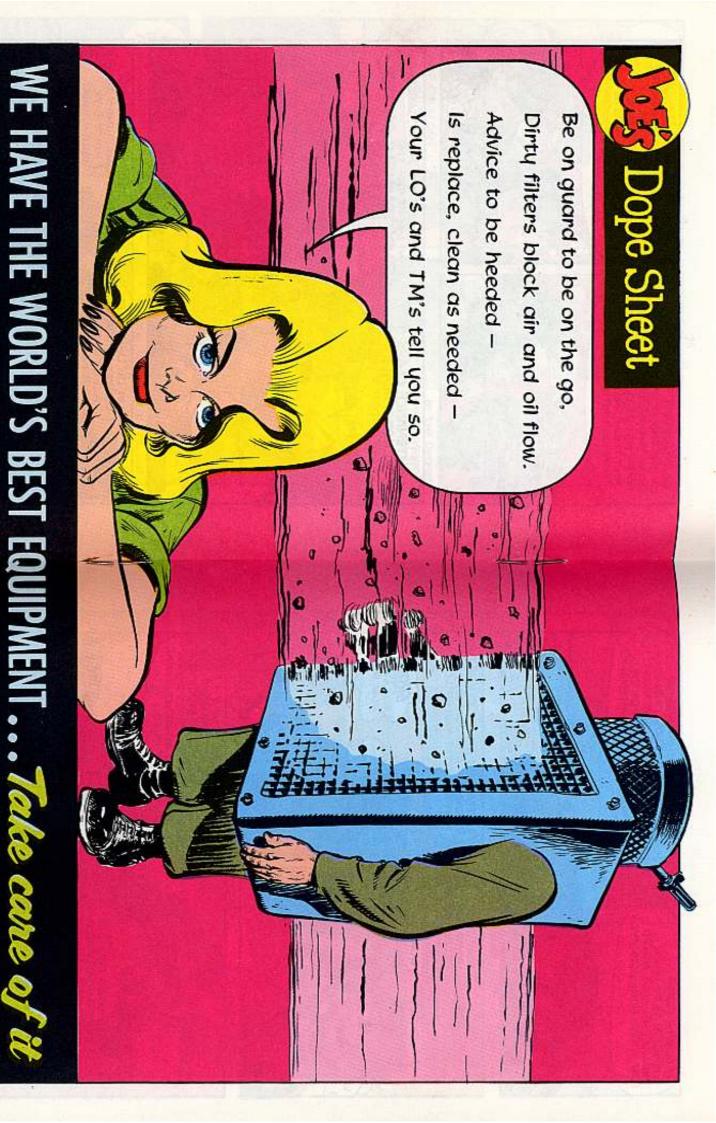
























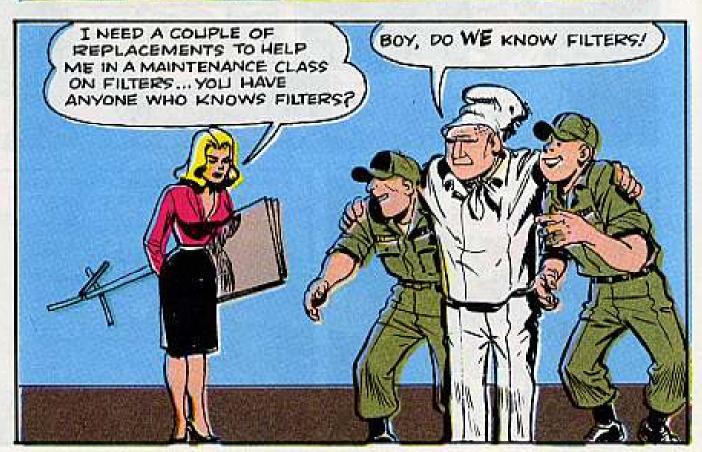


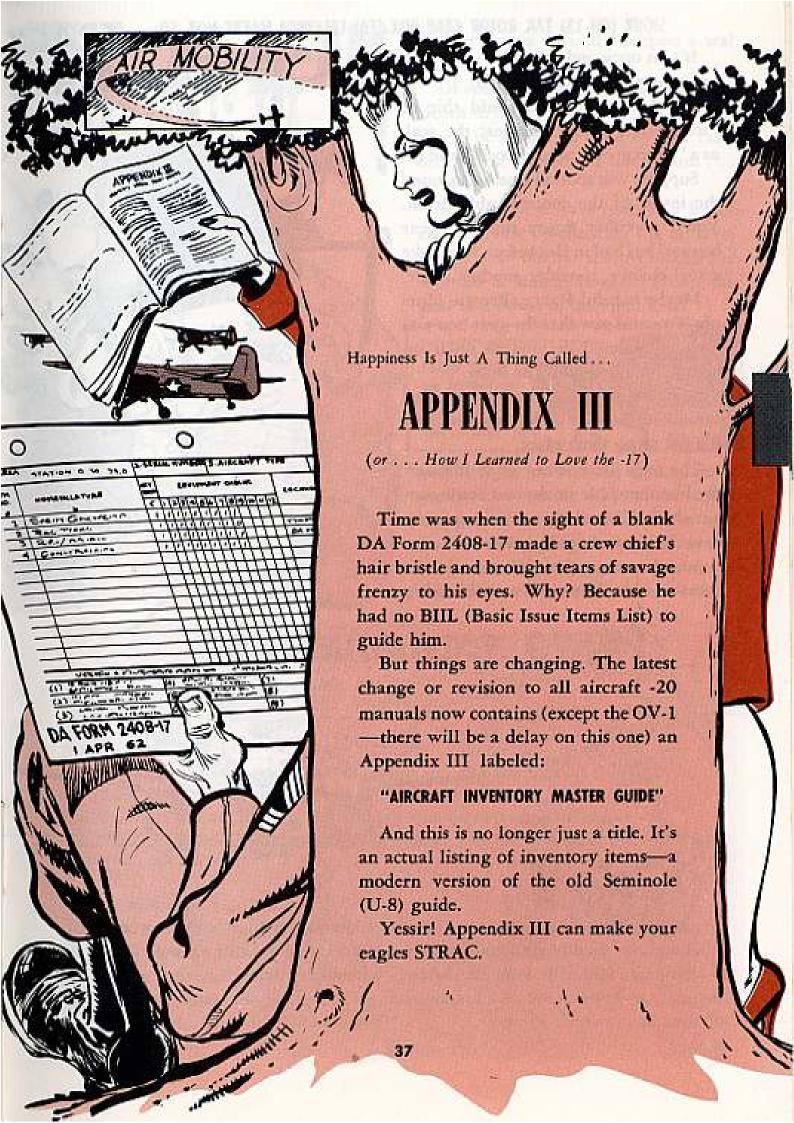












SIOUX (OH-13) TAIL ROTOR GEAR BOX SEAL LEAKING? MAYBE NOT, SO ... TRACK

It's an open and shut case—oil leaking near a seal means it's shot!

On the other hand, could this be "too perfect a case" against the seal, as a "private eye" would say? Could be. Suppose you spot oil smeared around the inside of the control cable drum. You'd probably figure that the gear

a seal change, consider another angle.

Maybe helpful Harry (Private Murphy's cousin) saw that the gear box was low on oil, and decided to do it up brown by filling it to the brim.

box seal has had it. But before you make

Well—a full gear box means that the oil in there is under pressure and it's got to go some place.

The only place it can go is through the breather hole in the tail rotor output shaft. The oil then works its way onto the control cable drum.

So, the angle in this case is the breather hole. You can't see oil leaking



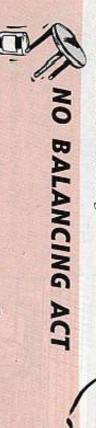
from it so you naturally suspect a seal leak.

Of course a bird mechanic is a super sleuth in his own right. So he isn't going to be fooled for long by that false oil clue on the control cable drum... no sir!

He's going to save himself a lot of elbow grease by checking the oil level in the gear box. If it's over-filled the solution is simple enough. Drain the gear box down to the right level.



The right level on the sight gage, of course, is when the oil is at the top of the gage (not above it). If the bird has a leveling plug, the proper level is when the oil just begins to drip out of the overflow drain cock . . . sure 'nough.



There's no meed to spin your wheels if you don't find alinement marks on the spinner dome or spinner bulkhead of your Seminole (U-8) prop.

The two parts are no longer balanced together, so you can replace either one without replacing the whole assembly.

That's how the parts stack up in TM 55-1510-201-20P (24 Feb 64).

COLLECTIVE FREE PLAY

Chap 2, Sec VII, Para 7-16a(1) of TM 55-1520-206-20 (5 Nov 62) says we're allowed 3/4-in free-play in the collective on our Raven (OH-23).

My buddy says this check doesn't include the rod-end bearings, but I say does. Who's right?

SP 5 J. S. S.

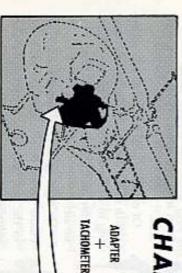
Dear Specialist J. S. S.,

You're right as rain about checking the free-play over the whole collective system, including the rod-end bearings.

Remember that no two birds are exactly alike. You may get wear in a collective bracket bushing, the bracket, or the bearing ... depending on the nature of the bear

39

Windy

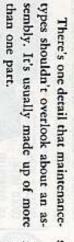


CHANGE THE "WHOLE"

ASSEMBLY

THE WHY YOU CHAN LIKE IT'S

THE WHOLE ASSEMBLY,



The engine tachometer generator assembly on the Sioux (OH-13E, G) is no exception.

TM 55-1520-204-20P (10 Dec 63) lists the assembly as FSN 1680-591-0629 on Page 2-123. One detail of the assembly is the tachometer generator, FSN 6680-566-9698, with a source code of "P." The code is being changed to "X1" which means the detail isn't

The other detail part of the assembly is engine tachometer adapter, FSN 1560-121-3864. It's a general support item and is listed on Page 2-161 of TM 55-1520-204-35P (10 Dec 63).

So what's all the hubbub about, you may ask?

Well, it seems that assemblies are being turned in without the adapter. And no self-respecting tachometer gencrator can rightly be called an assembly unless both the tachometer and adapter are included.

When an assembly is to be overhauled, the depot shouldn't have to buy a lot of new adapters when there may be perfectly good ones in your outfit, now should they? 'Course not.

So, the next time you change the tachometer generator be sure to change the "whole" assembly, sure 'nuff.

FUEL FILTER COMING

Dear Windy,

The organizational maintenance pub on our Mohawk (OV-1) says to put in a new engine fuel control servo paper filter every Periodic.

I searched the parts pub from one end to the other, however, and haven't been able to come up with a part that even looks like the filter.

A case of eye strain I do have—a good part number I don't have. What gives?

SP 4 R. E. T

Dear Specialist R. E. T.,

Rest your eyeballs over a glass of filtered three-point-two. Change 1 to TM 55-1510-204-20P gives you Filter, P/N 28876, FSN 2915-796-7083.

That's the baby you want.



Yep, things're looking up for your Iroquois (UH-1B). Now you can get a real honest-to-goodness bore brush set for your Huey's 2.75-in rocket launcher... in place of the sanitary brush (FSN 7920-234-9317) listed in TM 9-1055-217-12P (Apr 64).

The new tool's called helicopter armament subsystem bore brush set, XM3, and it comes in three parts: core and nut assembly (10602118-3), FSN 1055-227-0778; staff (10602118-1), FSN 1055-227-0637; and brush (10602118-2), FSN 1055-227-0774.

LATELY

STAFF (10602118-1)FSN 1055-227-0637

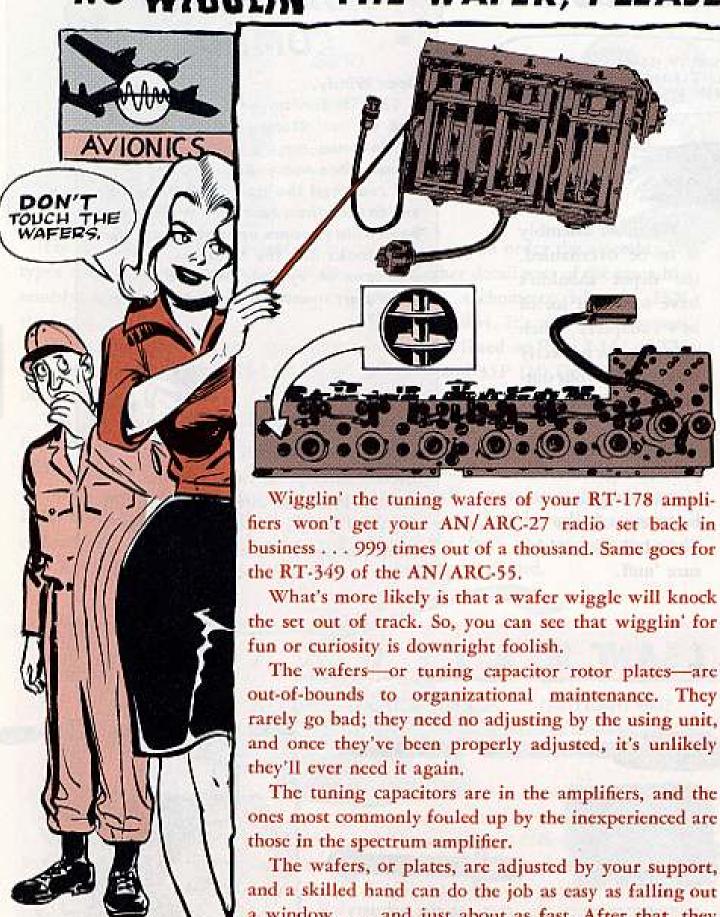




b

FSN 1055-227-0778

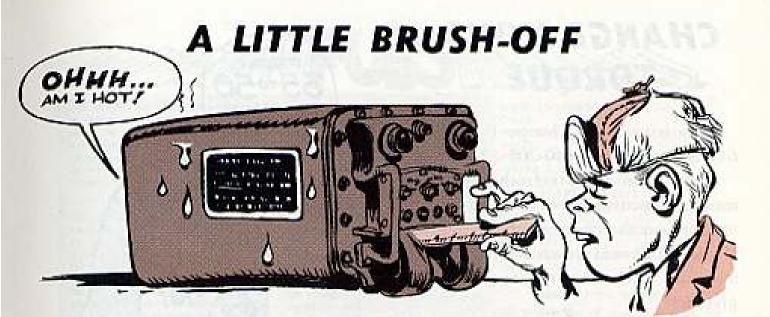
NO WIGGIN THE WAFER, PLEASE



The wafers, or plates, are adjusted by your support, and a skilled hand can do the job as easy as falling out a window . . . and just about as fast. After that, they

shouldn't have to be touched again.

So-o-o, resist the temptation. Make your wafers the vanilla kind, and save your set a trip to support.



Next time you give your AN/ARC-27 and -55 blower motor the brush-off, you might be brushing off the prospect of good communications.

Like, you could be putting your radio in a spot that'll make it sweat, but good.

F'rinstance those blower motor brushes wear down, and if you miss checking them during the routine, organizational 60-hour check of the radio sets, chances are they won't make it until the next inspection.

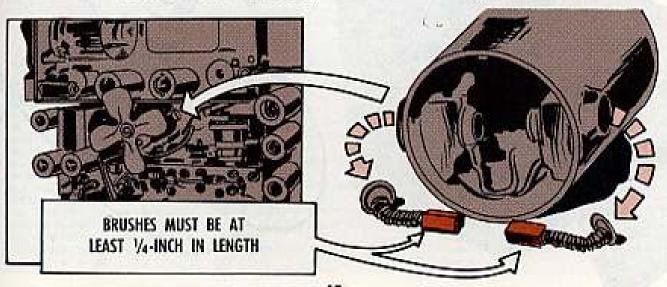
And . . . your blower motor may suddenly lack good electrical contact right in the middle of a hot session on the transmitter.

When the brushes wear with use,

they naturally keep less tension on the springs which push them against the motor's commutator. Result: Poor electrical contact—if any.

So inspect the brushes to be sure they're at least 1/4 inch long. If they're shorter, replace them. They'll never last until the next inspection.

Organizational maintenance calls for a check of the brushes of the B-1501 internal blower motors of each set and the B-1401 external motor of the ARC-27 after 60 hours of operation. So follow the word on page 6, Change 1 to TM 11-5821-225-24 (Jan 60). In addition to other info, it reduces the inspection time on the brushes from 120 hours to 60 hours of operation.



CHANGE YOUR TORQUE

Fifty is to 35 as Change 1 (19 Sep 61) is to TM 11-6140-205-12.

That little math refresher is elementary, providing it jogged your memory on the contents of Change 1. If you didn't read the change, it should make as much sense to you as hieroglyphics.

Solution: The change corrects para 19c(3), page 16 of the TM on the BB-433/A battery to read "50 inch-pounds" rather than 35 inch-pounds. Like, when you're putting the torque wrench to the battery's terminal screws, look for a torque indication of at least 50 inch-pounds.

The "35 inch-pounds" called for in the TM isn't enough, and, naturally, it could lead to problems.



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

TECHNICAL MANUALS

TM 1-1H-34A-596, C2, Oct OH-34, TM 1-1H-34A-1045, C2, Oct CH-34. TM 1-1L-20A-1004, Jul and CI, Mar U-6A (59 and 61 Reprints). TM 1-4281-1-1, May Fuels (58 Reprint). TM 1-215, Sep Al Flying. TM 3-1040-224-12 & -20P, Oct Compressor, Recip, Power-Driven Flame Thrower, 3 1/2 CFM, AN-M4. TM 3-1040-225-20P, Sep Compressor, Recip. (Davey Mdl B51RCDY). TM 3-4520-200-12, Sep Heater, Water, Oil, MI. TM 5-3805-224-25P, Sep Scroper, Earthmoving, Towed (Murray Mdl AR 7751. TM 5-3810-209-20P, Sep Crone-Shovel, Truck Mid, 20-Ton Cop (Gar Wood Mdl M-20-A). TM 5-4110-203-25P, Sep Refrigerotion Unit, Mech Fanel Type, Gas. TM 5-4320-215-20P, Sep Pump, Contrifugal: Fresh Water; Carver Mell K4003 TM 5-4610-203-20P, Aug Water Peri-Scation Unit (Met Pro Mdl 3000-27001. TM 5-5420-203-15, Oct Bridge, Armd Veh Lounched (All Makes and Mdls). TM 9-1055-217-20, C1, Sep XM3. TM 9-1410-250-12P/2 & -20P/7, Oct Nike-Herc, Nike-Herc (Imp), Mul Oper & Moint. TM 9-2330-267-14, Oct Trailer, Tank: Water, M149. TM 9-1450-376-12P/2, Oct Pershing, Grd Hollg, Spt & Svc Equip. TM 9-4935-306-12P/7, Sep Sergeant, Test Equip (Ord). TM 9-4940-250-12P/1 -12P/2, Sep Nike-Ajax, Nike-Hers, Test Equip (Ord). TM 9-4940-251-12P/1 & -12P/2, 5ep Nike-Ajax, Nike-Hert, Test Equip [Ord]. TM 9-4940-252-12P, Oct Nike-Ajox, Nike-Herc, Nike-Herc (Imp), Test Equip (Ord). TM 10-500-87, Oct Airdrop of Supplies and Equip. Atomic Wpn Sys. TM 10-1670-201-25, Sep Maint chuies and Other Airdrop Equip. TM 10-1670-220-23, Oct Bosket, Divy, Rocket Equip XMI. TM 10-1670-219-23P, Feb Troop Chole (63 Reprint). TM 10-1670-225-23P, Aug Chest Chule (63 Reprint). TM 10-3930-235-20, Oct Truck, Lift, Fork, 4000 Lb Capi Townstor Mdl 4625G4024-100 (Solid Tire) Army Mdi MHE-191, Townstor Mdi 4625G4024-144 (Solid Tire) Army Mdl MHE-191; Townstor Mdl 502PG4024-144 (Passer Tire)

Army Mel MHE-190.

TM 10-3930-237-20, Sep Truck, Lift, Fork, Gas, 2000-Pound Cap TM 10-3930-238-10 & -20, Sep Truck. Lift, Fork, Gos; Army Mdl MHE-193, Boker Mdl FJF-D60. TM 11-5805-212-20P, Sep Converter, Tel Signal TA-187/U. IM 11-3805-282-20P, Sep Telephone Control AN/MTC-1. TM 11-5820-402-20P, Aug Antenno AT-912/VRC. TM 11-5820-515-20P, Oct Radio Sel AM/TRC-91. TM 11-6625-472-20P, Oct E. F. Signal Generator Set AN/URM-268. TM 11-6625-617-12, Sep Power Supply 99-3514/U. TM 11-6940-209-20P, Sep Roder Trainer AN/ULT-TS TM 55-404, Aug Airplane Maint. TM 55-1100-202-12-2, CI, Sep. CH-37. TM 55-1100-204-14-1, Oct U-1A TM 55-1100-204-15-1, Oct UH-1. TM 55-1100-204-15-2, Oct CH-37. TM 55-1100-204-15-3, Oct CV-2. TM 55-1510-202-10, CI, Sep O-1, TM 55-1510-202-20, C2, Sep O-1 TM 55-1510-204-10CL, CI, Sep OV-1. TM 55-1510-205-20P, Aug U-1A. TM 55-1510-206-10, CP, Oct CV-2. TM 55-1520-201-10, C2, Nov UH-19. TM 55-1520-202-10CL, CI, Sep CH-34. TM 55-1520-205-20P, C2, Sep CH-21. TM 55-1520-206-20, C5, 4 -20P, Sep. OH-20. TM 55-1520-208-12-1, Sep UH-1, TM 55-1730-204-12, Jun MA-1 GSU (63 Ropeint) TM 55-2320-235-10-1, Oct Trensportability Guidance: Trk, 2 % Ten M35. TM 55-2350-210-10-1, Oct Transport-ability Guldance: Tk, M60A1. TM 55-6670-200-15, Sep WT-BAL TM 55-6930-201-20P, Mar 283 Troiner. MODIFICATION WORK ORDERS

MWO 9-2300-224-20/14, Sep. XM106 Carrier, Personnel Full Tracked: Armored, Flome Thrower, Fuse Rock Door Hinge Mountings. MWO 9-2300-269-20, Sep Howk, Oper & Maint. MWO 9-2320-231-20/7, Oct Wrecker: 5-Ton, M245: Weld Limiting Bend on Front Outriggers. MWO 9-2350-215-20/21, Sep Tonk, M60 Install of Brs to Strengthen Hand Trav Sys. MWO 9-2350-215-20/22, Oct Tonk, M6D and M6DAT; Install Cip on Gyn M68 Firing Pin Rate. MWO 55-1510-202-24/9, -50/1, CI Od 0-1. MWD 55-1510-204-34/47, Oct MWO 55-1510-206-20/1, Oct CV-2. MWO 55-1520-202-34/32, Oct CH-34. MWO 55-1520-203-34/12, CI, Sep

MWO 55-1520-205-34/17, Oct CH-21.

MWO 55-1520-206-34/7, C1, Oct OH-23, MWO 55-1520-209-20/27, -20-/31, -34/92, & -34/97, Oct CH-47.

MWO 55-1520-210-20/4, Jul UH-10, MWO 55-1520-211-20/2, -20/6, -20/10, -20/14, -20/19, & -34/21, Sep & Oct, UH-1, MWO 55-1520-211-20/12, Oct UH-18 (63 Reprint).

MWO 55-1930-205-30/8, & -40/3, Sep LARC-V.

LUBRICATION ORDERS

LO 3-1040-225-12, Aug Compressor, Recip (Davey Mdl B51RCDV). LO 9-1000-209-12, Sep Davy Crockett. LO 9-2320-205-12, Oct Carrier Amph M76. LO 9-2350-215-12, Cl. Sep M60 Tank. LO 10-3930-235-20, Oct Truck, Litt. Fork, Gas. LO 10-3930-408-20, Aug Tractor, Wheeled, Whise, Gas.

SUPPLY CATALOGS

SC 3431-93-CL-EO2, Sep Welding Sel, Arc, Ineri Gaz Shielded. SC 4933-95-CL-AO8, Oct Tool Kit, Small Arms Repairman: Lt Wt (4033-672-2612). SC 5420-93-CL-E36, Sep Trng Sel, Filig Bridge: For All Army Flooling Bridges. SC 5420-93-CL-E38, Sep Bridge Frection Sel. SC 5420-93-CL-E41, Sep Bridge Fixed. SC 5420-93-CL-E46, Sep Bridge, Flooting: Seeel. SC 6675-93-CL-E04, Sep Droiting Equip Set.

TECHNICAL BULLETINS

TB 34-9-175, Sep Auto Fit Conir Systems.

TB 34-9-180, Oct Towing Attachment on Aircroft.

TB 55-1510-201-20/7, Oct U-8.

TB 55-1510-203-20/2, Sep U-6.

TB 55-1520-205-34/8, Nov CH-21.

TB 55-1520-216-34/1, Sep OH-23.

TB 55-2810-207-20/1, Sep OY-1.

TB 55-2900-200-20/1, Sep OY-1.

CH-13, OH-23.

MISCELLANEOUS

AR 95-16, Oct A/C WT, & BAL.

DA Cir 65-1, Sep ZIP-APO Codes.

DA Pass 310-2, C2, Oct Index-Forms.

DA Pass 310-3, C3, Sep Pub Index.

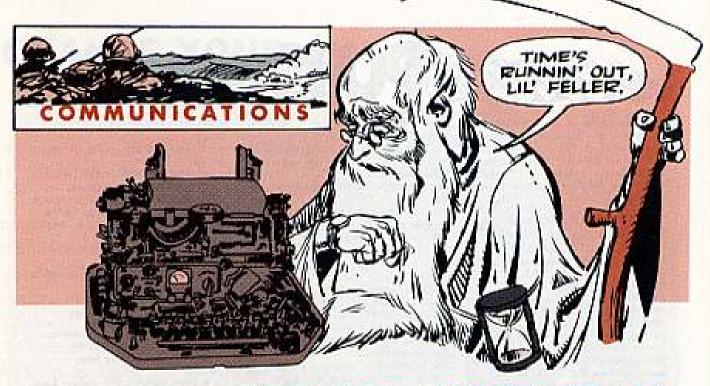
DA Pass 385-1, Oct Unit Safety Management.

SM 55-4-5180-A09, Mar A/C Tech Insp Kit.

TB AVN 25-15, Mar Fuel Baast Pumps (60 Reprint).

TB 510 225, Apr 62, Identification and Handling of Radioactive Signal Items (Reprint).

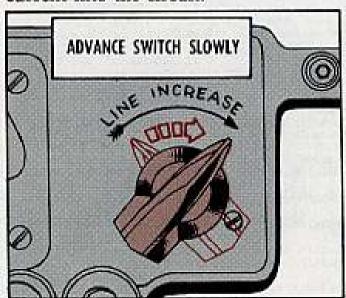
CH-37.

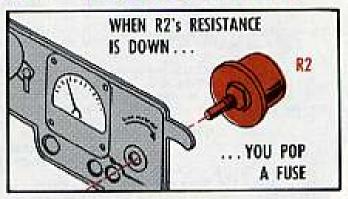


FATHER TIME GOT YOUR TT-4?

Along about the time that old age or long use creeps up on your TT-4/TG teletypewriter, your R2 resistor in the line increase circuit kinda loses its urge to resist.

A good indication that the variable resistor's gettin' a little feeble is when you start poppin' fuses when you work the LINE INCREASE switch from its counterclockwise point to, or near, the full clockwise point. Like you know, going toward full clockwise feeds more current into the circuit.





If the resistor is shorted, or if old age or continual use has weakened it, you get more current than you want. So, you pop a fuse because the R2's resistance is down.

That kinda' fuse poppin' shouldn't be confused with the kind you get when you make a fast swing of the switch from counterclockwise to full clockwise. In normal operation, do like 'TM 11-5815-206-12 tells you and you'll save a lotta fuses. Like, you come up from counterclockwise sl-o-o-o-w-ly till you get the milliampere reading you want (depends on how many noncontrol stations on your circuit). You should never have to swing to full clockwise.

Noncontrol stations, naturally, have to work back from the full clockwise position.

The point being that if you're operating your TT-4 accordin' to the book and you still pop fuses when you swing the LINE INCREASE switch, have your teletypewriter mechanic or support check out that variable resistor with an ohmmeter to make sure it's doin' its job.

Now, take a look around the corner at the line terminal board.

See those bakelite signal terminal lugs?



Next time you snug 'em up, don't overtighten 'em. They crack. In other words, if you had to really put the torque to 'em, they'd be made out of sturdier material.

Don't treat 'em like they were made of solid metal. They don't have to do that kind of tightening job.

NEEDED: ONE CABLE

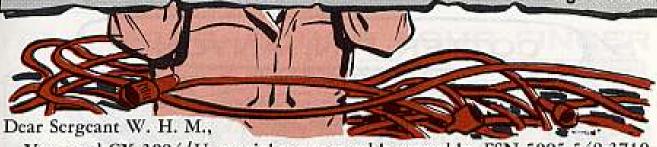


Dear Half-Mast,

I need the extension cord which connects the M-30 microphone to the amplifier of the AN/TIQ-2 public address set.

I can't find it in TM 11-2586 or the -20P manual.

Sgt W. H. M.



You need CX-3094/U, special purpose cable assembly, FSN 5995-548-3710, which is in TM 11-5830-206-10P (Feb 59). The cable is also used with the M-43 and M-45 mikes. It's not a maintenance item, but your support can make it for you from the cable connectors and so forth listed under cable assembly group, pages 7 and 8, TM 11-5830-206-35P.

Since the public address set is a hodge-podge of components, it'd also be helpful to keep on hand a copy of Change 3 (Jan 64) to TM 11-5830-206-20P. It lists parts manuals you need for the components. The change lists eight (ouch!) (8) manuals you need for parts and PM.



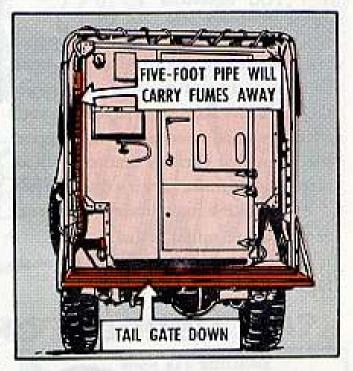
BOB-TAILED IS NO WAY TO GO



Playing Russian roulette with the heater exhaust pipe of your AN/GRC-46 radio teletypewriter set is a sure way to get at least an upset gut.

It stands that a Joe has to be lucky if that's all he gets from a bob-tailed pipe. It also stands that it's foolish to operate the heater with anything less than the required five-foot long flexible exhaust.

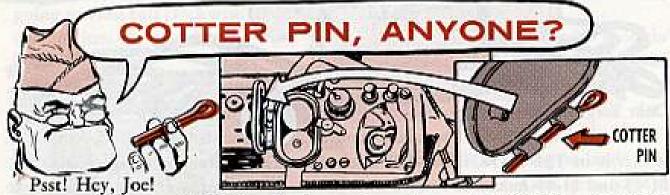
Instead of playing games, you should be flying the hazard flag from the top of your shelter if you're using a short pipe on your heater. A short job allows the burnt gasoline fumes to roll around in the truck bed, and your shelter's blower intake pulls the fumes inside.



A five-foot long pipe carries those sickenin' fumes away from the shelter.

Even with the right pipe, however, you should lower the truck tail gate when the heater's going. That gives all the fumes a chance to escape.

An MWO is being worked up to eliminate the fumes hazard, but play it safe in the meanwhile.



Interested in a quick fix for the battery box of your TA-43/PT or TA-312/PT telephone?

Well, next time the cover retaining pin (FSN 5315-524-0243) wears out, or gets lost, and you need a fix soonest, get yourself a cotter pin about 3½ inches long and 5/64 inch thick . . . and slip it in.

Then, sit back and wait for your req form to go thru the mill.

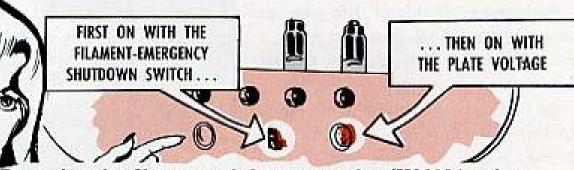


/ A flip of the plate switch on your AN/FRT-22 and -26 radio transmitting sets can cost you and/or Uncle at least \$260 a throw.

Meaning: It gets costly when you apply plate voltage to the transmitting sets when they're not ready for it.

The right time is AFTER you flip on the Filament-Emergency Shutdown switches. The switches are in the upper control panels of the transmitters, and they turn on filament voltages. All are red, toggle jobs.

Since the Plate ON switch is a push-type it might be helpful to remember a slogan like: "Flip the filament and push the plate on."



Forgetting the filament switch can pop the 4X2500A tubes of the transmitters. Each tube goes for \$260-plus... which is a mighty steep price to pay for forgetfulness.

Avoid it thusly: First, on with the filament voltage . . . and THEN on with the plate voltage.

TIE A ROPE 'ROUND YOUR FINGER

Maybe it's not as pleasant a stimulation, but try to remember this like you would your best girlfriend's telephone number:

When you remove an RF (antenna) cable from a component of a radio set, hold it at the connector, twist, and back it off straight out.

Don't ever grab the cable itself and pull out. You may yank the wiring right out of the connector . . . or damage the jack.



IT'S ELEMENTAL



On to the point: When you hit the road with your load, keep your antenna intact—and don't remove that upper element!

you damage it if it's not there?

If the element's off, and the transmitter gets keyed accidentally (there are ways; count 'em) in the high power position, the transmitter antenna circuit gets the "H" knocked out of it.

So keep the antenna together, and tie it down when you're in transit.

It's elemental.



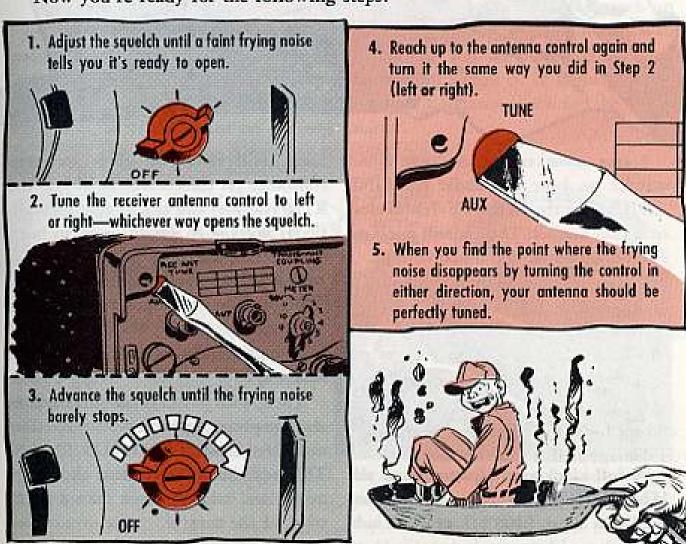
And that's what you get with this tuning process for your RT-66 thru -68 receiver-transmitter.

The procedure will either perfectly tune your receiver antenna—or clue you that the tubes in the RT might be bad.

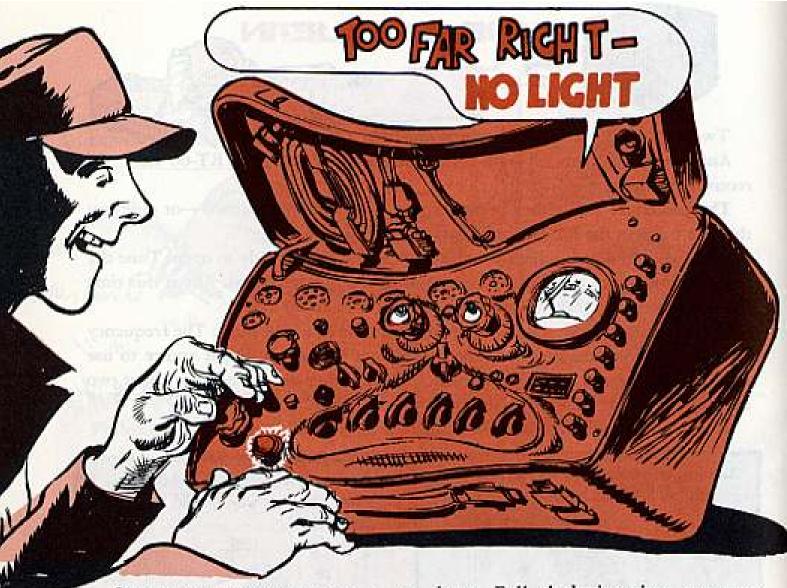
What you do first is adjust your squelch so it's about ready to open. Tune the receiver antenna as per TM procedure until the squelch opens. About this time the squelch should shut off when you adjust it to either side.

One reminder before going for the perfect tune or a tube hunt: The frequency for the tuning process should be the normal net frequency. Or, if you're to use the receiver on many different frequencies, the tuning should be done about two megacycles below the top frequency of your receiver.

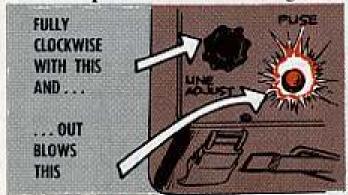
Now you're ready for the following steps:



On the other hand, if the squelch keeps snapping on or off—and you can't produce the frying noise—it's time to inspect the tubes of your RT.



Seems some troops can use a reminder on how to handle the LINE ADJUST control of the TV-7()/U electron tube test set. They're still popping FUSE lamps with too much voltage.



A full clockwise adjustment of the LINE ADJUST control will burn out the FUSE lamp (E103). Since that kinda clockwise adjustment is not likely to be necessary even under field conditions, there's no need to burn out the lamp. Full clockwise gives you zero resistance on the control (which is the R126 resistor) and allows enough additional voltage to get through to burn out the fuse lamp.

The way to avoid that mess is easy.

Before you apply power to the test
set, turn the LINE ADJUST control
fully clockwise, and back it off about
half way.

Then, with power on, adjust the control for proper operation with the tube to be tested (see TM 11-6625-274-12). This additional adjustment should be minor and take no more than a slight twist of the control.

In no case should you leave the control in the extreme clockwise or counterclockwise position.

TAIL TROUBLE TIP



When you can't pinpoint the direction they're coming from, all winds blow ill . . . and thereby hangs a tale. You might even say a tall tail tale, pointing out that eyewash is only skin deep, and the real meat of the matter lies below the surface.

Or somethin' like that.

Anyway, please don't do any fancy paint jobs on the tail vane of the T-610/MMQ-1A wind speed transmitter of your wind measuring set. The extra weight of the paint on the tail throws the transmitter off balance and keeps it from pinpointing wind direction changes.

A real fancy cosmetic job on the tail could cause you to get an incorrect wind reading . . . and affect the accuracy of a missile.

So go mighty easy on the touch-up painting . . . and pay close attention to para 5 of TM 11-6660-203-20 (Apr 60) with Change 3. It gives you the dope on a balance check for the transmitter.

DON'T 'SHRINK' IT



It's been tried. The reason is anybody's guess.

But it don't work.

Nope. You can't interchange the AN/GRC-26D's CG-1334/U, 500-foot RF cable with the 75-foot CG-692/U RF cable . . . and expect the radio set to put out for you.

Like you know, the cables are used with a doublet antenna. But—the CG-1334 is part of the doublet receiving antenna. The shorter CG-692 goes with the doublet transmitting antenna.

Natcherly, the cables differ in size to do different jobs. Natcherly, too, you can't use the 500-foot receiving cable for transmitting. Among other things, you lose power when you're putting out with the RF energy.

So don't kid yourself into thinking it should work either way. Use the right length—or get it if you don't have it.



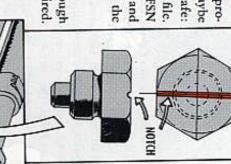
SAFET

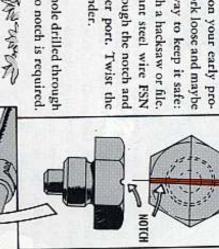
get lost after a while. But here's a way to keep it safe: duction M60 machine gun's gonna work loose and maybe Like as not the gas cylinder plug on your early pro-

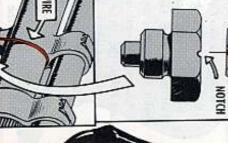
9505-596-5101 (MS 20995-C20), through the notch and ends between the barrel and the cylinder. wrap it once around the gas cylinder port. Twist the Then run a piece of corrosion-resistant steel wire FSN Notch the hex head of the plug with a hacksaw or file

This'll do it.

the gas cylinder plug for securing. No notch is required Current production models have a hole drilled through







N CASE YOU'RE GUILTY

rel's got that torn, worn, beat-up, can't-do-look, somebody's guilty of one of Chances are that if the carrying case for your M60 machine gun's spare bar-

ing the magazine or similar items in it. Right? Storing tools and equipment in the wrong compartments or carrying or stor-

So, get right by putting only the right stuff where it belongs in your case.



Dear Editor,

airborne and ground operations. who find the metal 4-oz rifle oil case a nuisance during Here's a tip you might want to pass along to troops

vents leakage and spillage. two ounces will be plenty since the screw-on cap presect repellent) bottle and keep your rifle oil in it. The Get yourself a discarded 2-oz plastic bug juice (in-

normal cleaning and lubing every day for 15 days I still had about 3/4 of a bottle left. bottle from the quart can in the arms room. After worked fine. Before departing the unit, I filled the 2-oz I tried this out during Operation Great Shelf and it

MSgt Charles J. duPont Ft. Campbell, Kentucky

(Ed Note-Sounds real good.)

REAL NEAT, EH, BEATLE?

OK, Beatle, let's get with it, hey?

a half-fast hold on your M14 like this, you gotta expect \ If you're gonna be careless and let your M2 bipod get

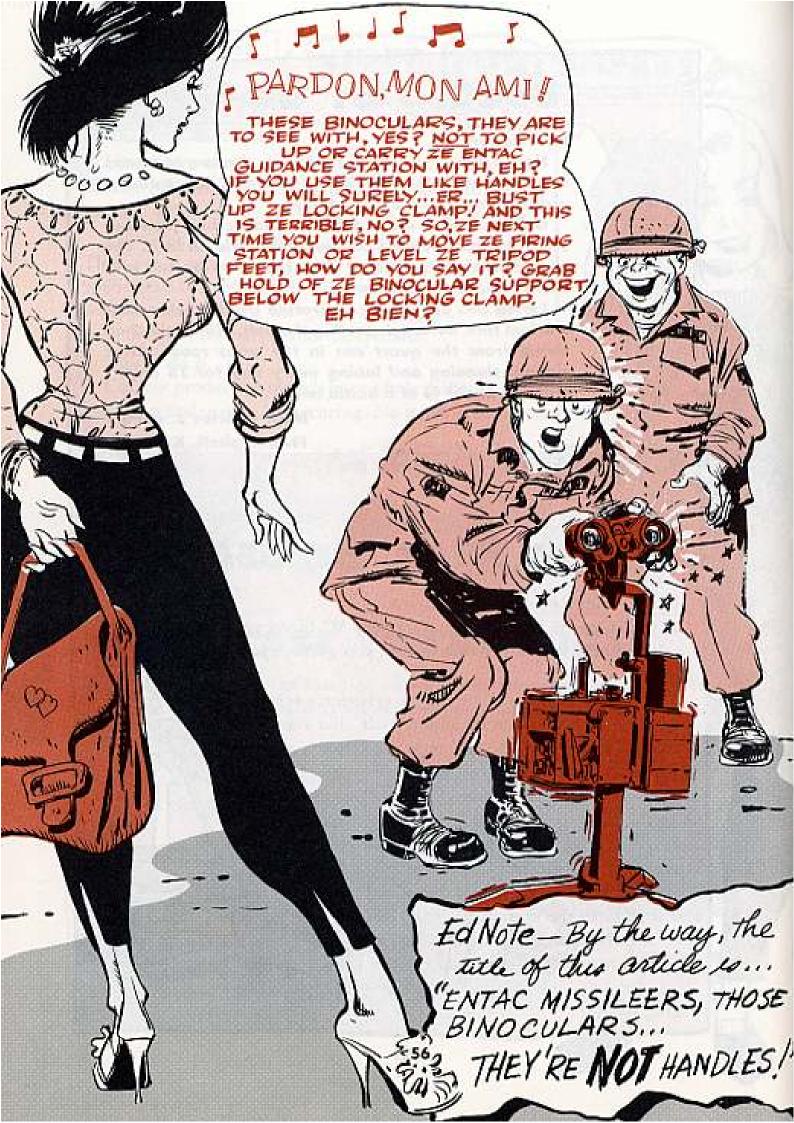
der plug and maybe even the piston itself, that's wot. You'll be forever replacing the gas cylinder, gas cylin-

clean the gas cylinder parts, you'll strip the threads. dent the cylinder. Then, when you take out the plug to one spot? If you tighten the bolt in this position, you'l Notice how the bipod yoke grips the cylinder at only

removing the piston from the cylinder. From there on, believe it, you'll have one heckuva time

the pressure evenly . . . the bipod grips good and tight yoke sits? Now, when you tighten the bolt you spread seat it right in the first place, like so: See how firm the ... and the gas cylinder won't hurt a-tall. So, play it cool, Cat. Take the extra half-second and







Prescription for keeping your infrared Metascope Assembly, Model 9902A, out of the hospital:

"One ounce of care when installing batteries, mixed well with skillful hand movement."

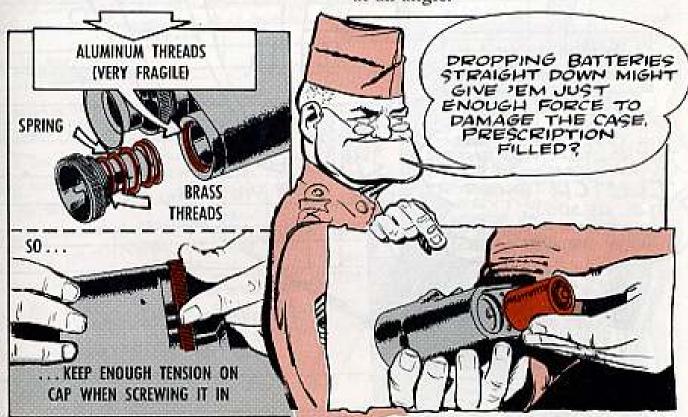
Preventive medicine or preventive maintenance, it doesn't matter how you boil it down. An ounce of PM is worth a pound of cure any ol' day of the week.

Like with the metascope's BA-1312 mercury battery. The receiver battery housing is light aluminum. The switch assembly, which caps the housing, has brass threads. Plus a spring to keep the battery in snug.

Which means when you're installing the battery, you should keep enough pressure on the spring so that the switch assembly turns in freely. If the spring tension mashes the brass threads of the switch assembly against the aluminum threads of the housing, it could mean goodbye aluminum threads.

Installing the BA-30 dry cell batteries calls for a different kind of PM. The light source case they go into is made of bakelite—which cracks when you give it so much as a cross-eyed squint.

So when you put in the BA-30's, slide 'em in easy while holding the case at an angle.



GENERAL & SUPPLY

MAKE IT SHORT AND SPECIFIC

10 DERNESS IS 6 AND I UN-4-2-N-8-MY STEADY FRAULEINA

Hold down the wordage

Let the code numbers and letters speak for themselves.

When you complete a maintenance service and enter it on DA Form 2408-3.

let the codes carry their full share of your message.

nator and manufacturer for equipment where these apply. nent/part noun or service" for most equipment and CB code, reference desig-Put in columns e, f and g only what the heading calls for. That's "compo-

Keep it on one line if possible. In short, when you're writing the nomenclature or service, keep it short.

story. of DA 2408-3 for your vehicle the codes tell most of your read like this: B-077-B-790, tries in columns a, b, c and d F'rinstance, if your code en-The failure was detected was an accident (077). First indication of trouble odjustment (B) Fault was corrected by

adjustment (790) Something was out of

Ø 13 DA FORM 2408-3, 1 JAN 84 077 0 790 applicable time No. 2000 HEF DESIG EQUIPMENT MAIN REPAIRS AND SER KFR

"CLUTCH" UNDER

TIM IMADING

COMPONENT/PART

THE CLUTCH ... YOU ENTER

during handling (B).

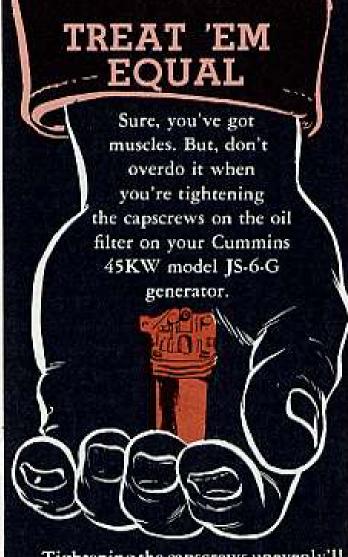


Nuff said, so why double up on the wordage:

Form 2407—or when your support's filling out block 20. And the same thing goes, as a rule, when you're filling out block 16 of DA

correct the fault when it's their job to do. words on what seems to be wrong. Leave it up to support to figure out how to message short and specific. When you're working over a hot block 16 on DA 2407, just tell support which component or part is on the blink with a few some explanation or description is needed in block 16 of DA 2407, make the Even when some remarks are needed in block 12 of DA Form 2408-3 or when

connect" forms are expensive. And if you use too many of the DA 2408-3, your equipment log will soon feel like an anvil when you lift it. data-processing machine—and its operator into a tizzy. Neither is equipped to pick out DA . THE 2407 the clues in a whodunit. Just remember those multi-copy "quick-diswould a telegram. Use the codes where they were meant to be used and don't repeat what the ecommend reduspres shifter codes have already said. the buckage on se andiqued whicher and specific. What's more, a long report may send the additioned peaks. This is the Child trade morning shafter So, write your records and reports like you Say what has to be said-but make it short are tale quart coal michiganiste reconsisten Called EL (III) and see save- Citizent's use Land and land MOINED SAME DIMENS hear british material CALL CAR 大本 東本な人物 Consume of the TRY TO KEEP SECTION 日 EVERYTHING DOING AN COS AND ACADEMY MORE SPACE

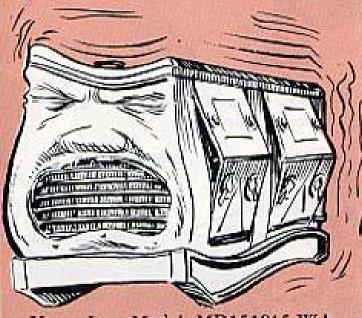


Tightening the capscrews unevenly'll cause the filter head to crack—you'll lose oil, damage the engine.

So, when you replace the filter head, tighten the capscrews alternately and put the same pressure on each one.

No stress, no strain, no cracks.

ROCK 'N ROTOR



Your Jeta Model MD151815-WA 15-KW generator set making with a wild wibble-wobble? Could be the rotor is out of balance.

Continual gyrations like this'll shake up the innards of the generator components and you'll be replacing them oftener than the Mets change pitchers.

Sure way to bring the rockin' and rollin' under control is to sound off to your support on a DA 2407, Maintenance Request. They'll pass your Jeta along to the depot rebuild shop who'll true it up.



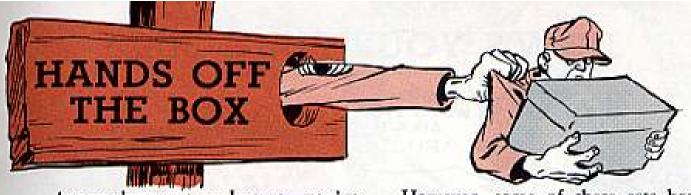
EASY OPEN, EASY CLOSE

Hold it, Mac.

Easy does it when you're opening or closing the circuit breaker on the control panel of your 150KW generator set for your D353 Caterpillar.

You don't need brute strength to turn the control switch, the breaker is motor-operated. Fact is, a light touch'll do the job. All the switch does is put the motor into operation . . . the motor does the rest.

If you strong-arm it, you could yank the switch handle right off its mountings.



As any observant guy knows—you've got to have the right parts in the right places.

This makes for a complete piece of equipment.

There's no reason for your Airesearch Model 70-2 gas turbine 30-KW generator to be an exception. However, some of these sets have been turning up at depot rebuild shops without battery boxes.

Now, since these boxes come with the generator, they should stay with it. The set's not complete without 'cm.

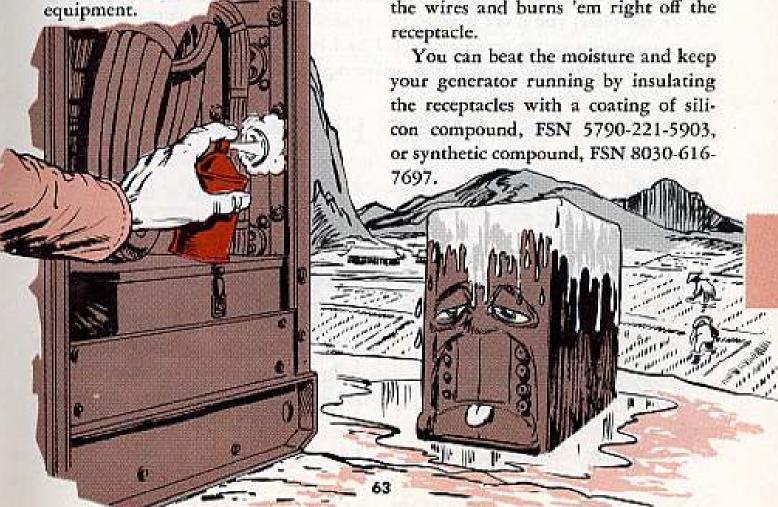
Just leave 'em on-it's that simple.

CUT THE SHORTS SHORT

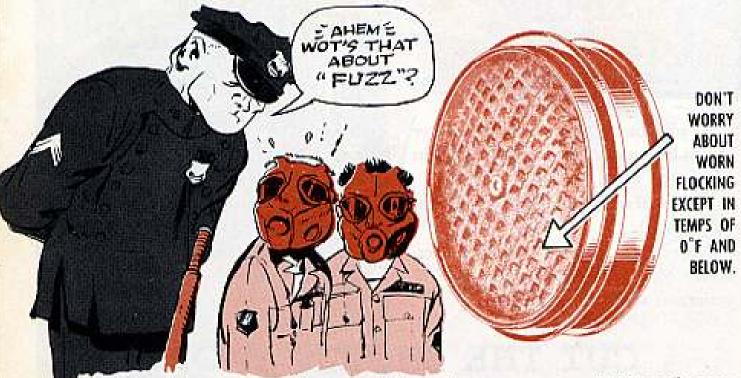
Moisture . . . dampness . . . dew . . . condensation . . .

Call it by any other name—it's still water. And, in the wrong places, it can short out wiring and foul up your Your Stewart & Stevenson Model 52300 45-KW generator is a good f'rinstance.

Moisture settling on the rear of the 4-pole receptacle of this rig shorts out the wires and burns 'em right off the receptacle.



HOW'S YOUR FUZZ, BUZ?



Flocking (the fuzzy stuff) on the inlet valve caps on your M17 mask may wear thin after awhile, and the shiny screen underneath may show through in spots. That's 'cause the inlet valve caps rub against the inside of the mask's canvas carrier (as you jog along, or when you remove the mask or replace it in the carrier).

So long as the inlet valve caps are otherwise OK (not bent or broken, and they're complete) you don't have to worry about their worn flocking . . . unless you're operating in temperatures of 0°F and below.

Below 0°F your M17'll need inlet valve caps with a full growth of flocking.

SNAP FLAP

Is the flap on the carrier for your M17 field protective mask minus its fasteners again?

Could be you get too grabby when you're in a rush to open the carrier and you wrestle the flap. To keep from damaging the fasteners or yanking them out, do it this way:

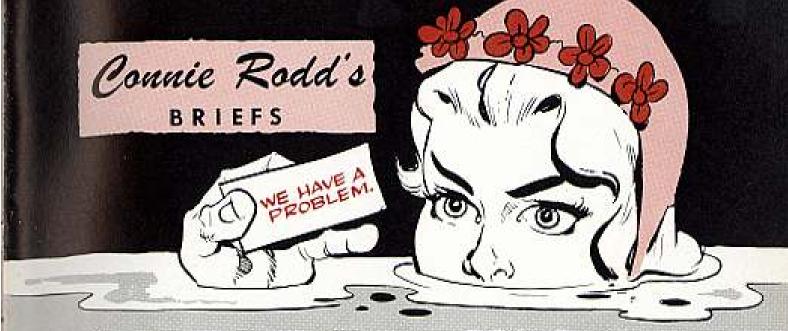
Grab the flap in the center with your left hand and pull outward with a quick, firm motion.

Try it to save your fastener.

GRAB CENTER OF FLAP







Component DA 2408-5

When you get an equipment component MWO that wears the component group and class number instead of the end item number, this is your clue that you need a separate DA 2408-5 for the component in your equipment log. That is, unless the component already has a DA 2409. F'rinstance, an MWO 9-2805-XXX-XX on an engine calls for a separate DA 2408-5 for the engine. And when you modify a component that has its own DA 2408-5, the entry goes there—not on the DA 2408-5 for the end item it's installed on.

Radiac Calibration

Feelin' confused and ill-used when it comes to calibrating your radiac equipment?

Then, radiate yourself a copy of TB SIG-366 (2 Oct 64) and take a reading on what equipment has to be calibrated; who does it, and when. The TB fills you in on TM references you'll need and other goodies. As a teaser, it tells you all radiac sets and radiacmeters other than the IM-156/PD and IM-108/PD must be calibrated every 180 days.

FSN For Battery Box Paint

Need to paint the battery box on your vehicle with acid resistant paint? But you don't know what to order? Well . . . ask for Compound Coating, black, acid proof, asphalt base. FSN 8030-290-5141 brings you a one gallon can.

No More Tring

The engine breather on your Raven (OH-23D) has been known to get all choked up with ice these frosty days. Small wonder air types are checking with direct support to get the breather rerouted in order to stop this revoltin' development. The surgery is spelled out in MWO 55-1520-206-34/11 (2 Sep 64).

Get The Details

That's right! You Mohawk (OV-1) mechs who have had to requisition the whole engine oil filter in the past, in order to get a small part like an "O" ring packing, should eye the new TM 55-1510-204-20P (7 Aug 64). Now all the details are on page 2-309.

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

