

LETTER FROM VIET NAM...

REGULAR PM

the care and feeding of them fell on me were issued a just before we left for West Namy and want to brag-brag about my 15-KW generator. We hind several ways to improve it. But, this time sl Now over 5000 operating hours later, they are still Normally I look at or use a piece of equipment and

an excellent piece of equipment. so it take my hat off to the army for buying such "Kura, of

WE'D TELL YA THAT THE DAY-TO-DAY PM THE GUY WHO POES GENERATORS COULD TALK ... REALLY F 45

DESERVES THE CREDIT FOR OUR

PERFORMANCE.



PAYS!

no better than the man taking care of it. You Dear "Russ",

one HOUR... prove one thing. You're making the most of that time for PM. So it does it doesn't give you much to operate 23 hours daily, When generators have

XM16E1 26 M14 Rulle 7, 8

MSO Nachine Gun 49

FIREPOWER 2-9

off to you for taking such good care of those I want to take my hat

Be Your Own Inspector ... UH-LD 10-23 New Air Screen Mesh Ail ... UH-LB 23

AIR MOBILITY 10-23

day, alternating the generators daily, and paealkling

both of them in the evening during peak hours. One how

ly has been alloted for maintenance

running right along. We are "on the line" 23 hours a



tank and fuel filter bowle are drained daily

Parts replacement has been almost mil. The day



caring for those generators. are doing a fine job of A piece of equipment's

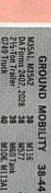
> 183ue No. 167 1966 Series THE PREVENTIVE MAINTENANCE MONTHLY

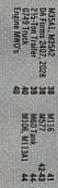
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Politished by the Department of the Army for the Information of organizational maintenance and supply personnel. Dis-tribution is made through narmal publi-

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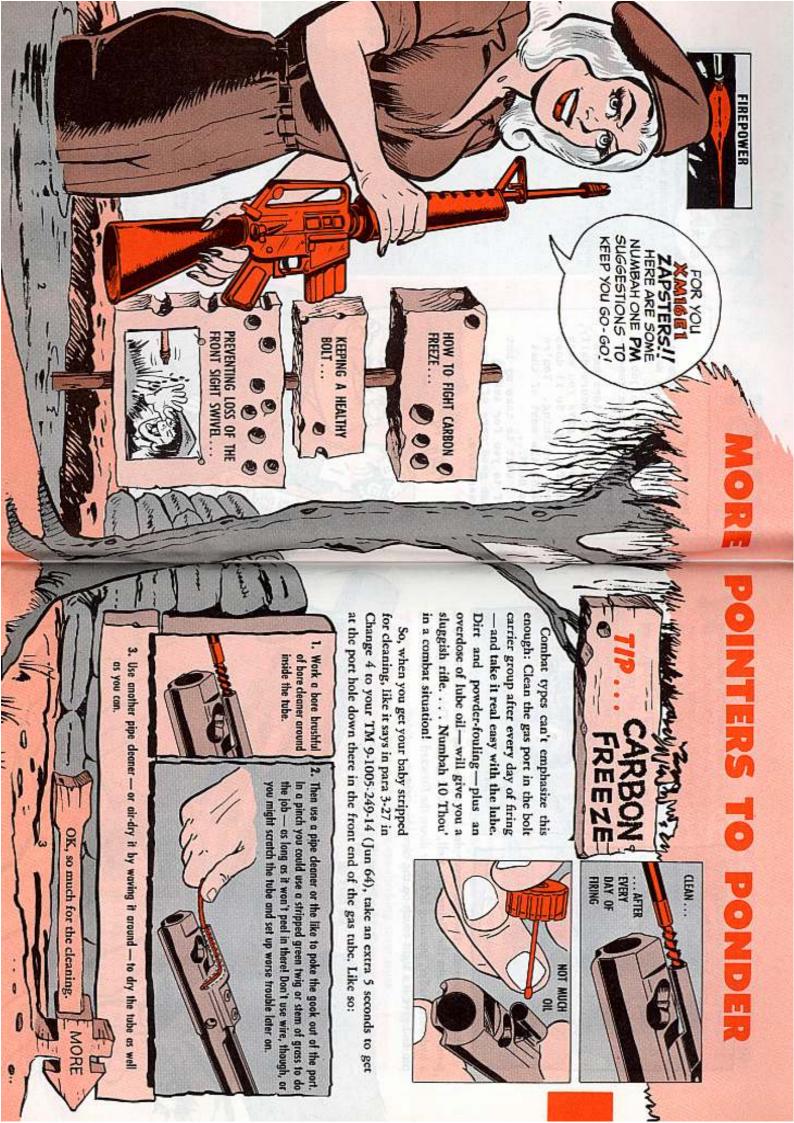
DA Form 2404 49-53 Air Compressor 54-64 GENERAL & SUPPLY Special Feature Repair Parts Supply 24:28 New Publications 37 Supply 16, 38, 39, 45, 46, 47

Use of faults for printing of this publica-line has been approved by Academicen, Separtment of the Army, 18 February 1965. DISTRIBUTION: In accordance with re-quirements submitted on DA Form 12-4.



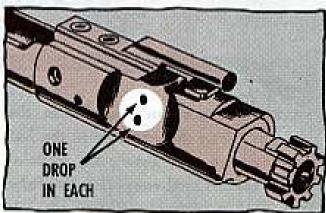


PS Magazine, Post Knox, Ky Sqt. Half-Mast.

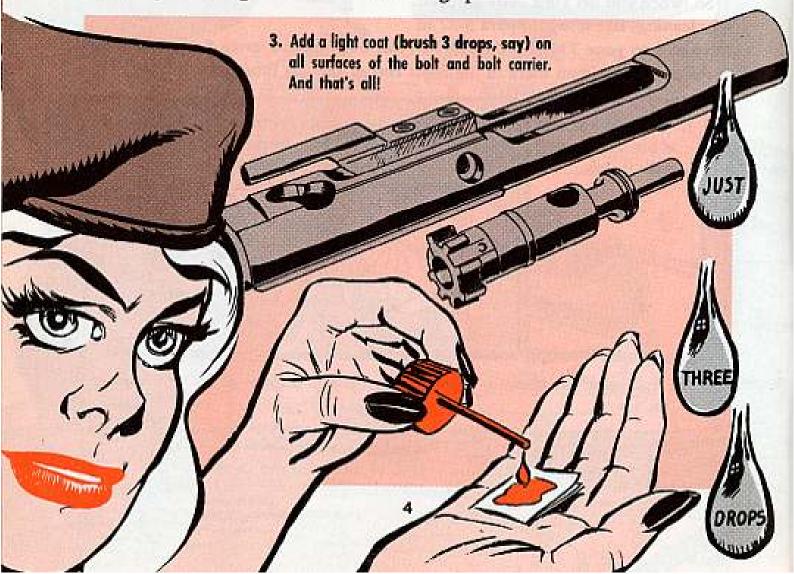


Now, when you come to lubing, do it like so:

- Put one drop of oil (count it on your right thumb—one!) in the gas tube. This one drop'll also lube the outer surface of the tube in the receiver when you mate 'em.
- 2. Put one drop in each of the bolt ring holes (count 'em on each thumb!). This is the way to do it in a combat situation, say, but if time is plentiful you'd be better off taking the bolt apart and putting one drop on each side of the bolt rings — and then work it in good with your finger.



Whatever you do, though, never dunk your bolt in lube oil—and never pour lube oil into the firing pin well, like some guys do. This'd make it like a hydraulic buffer, meaning it'd slow down the forward movement of the firing pin and give it a light touch on the cartridge primer.





Another couple places you won't want to forget when you're cleaning your weapon are the claw under the extractor in the bolt group and the locking lug recesses on the barrel extension down in the lower receiver. If dirt and crud





collect under the extractor, the claw won't be able to snap over the rim of a cartridge case. And if gook and brass chips from cases gather in the recesses, your bolt action will be stymied. So, bear down on your bore brush in both these places.

While you have the bolt group apart—and after you clean
'em—make a practice of eye-checking these parts:

BOLT — Cracks or fractures, especially in the cam pin hole area. This bolt has a great service record so far, but it pays to be on the lookout for that first sign of weakness. Don't worry about any discoloration you find there, though. It's harmless.

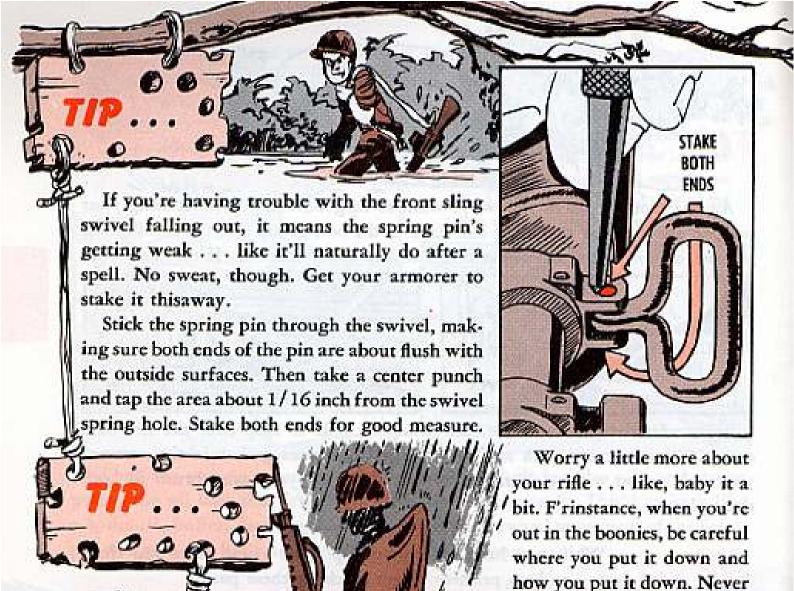
CAM PIN — Cracked, chipped, missing. Be sure it's in place when you put the parts back together. A rifle could explode if you fired it with the cam pin missing.

FIRING PIN — Bent, cracked, blunted.

FIRING PIN RETAINING PIN — Bent, busted, badly worn. If one or both tangs are busted, there's no sweat as long as it'll hold the

firing pin in place. But, be mighty careful you don't lose it when you're doing PM. A rifle fired with this pin missing may fire once — but that's all. The firing pin would then fall out and — no-fire!





drop it in mud or water or sand. Lean it, muzzle-end up, against a tree or something. Just keep in mind that you may have to use it before you get a chance to clean it.

Take care of your magazines—and hang on to 'em. Sure, there're plenty of 'em in supply world-wide—but they could get mighty scarce in your own sector. So, protect 'em from dents (soft aluminum like that can't take rough treatment)—and especially, remember to bring those "empties" back. The one you save just might save you some day.

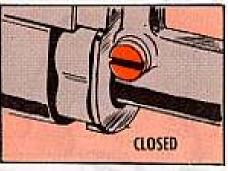


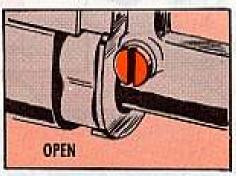
DRAWING BLANKS?

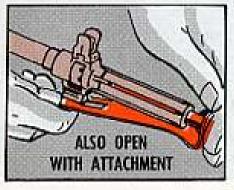


When you fire blank ammo in your M14 rifle without using your blank firing attachment you get a lot of carbon in the gas cylinder. You can head this off by turning the gas cylinder valve to the closed position.

After you fire blanks, and before you fire ball ammo, you want to open the spindle valve.







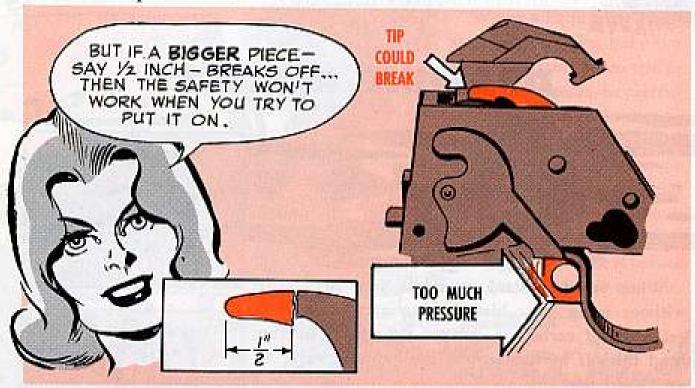
The valve can also be open when you fire blanks with the blank firing attachment on the end of the barrel. When you use the attachment, enough gas is kept in the bore to operate your rifle semi-automatically — or automatically if you have the selector lever on your rifle.



Pages 14 and 37 of your M14 rifle's TM 9-1005-223-12 (8 Feb 65) tell you to make sure your weapon's cocked before you put the safety on. Why?

Trying to pull back on the safety with the shooter uncocked can mean a busted safety tip — that's why. When the rifle's not cocked, the tip of the safety's leaning against the bottom of the slot in the hammer . . . and pressure on the tip can break it off.

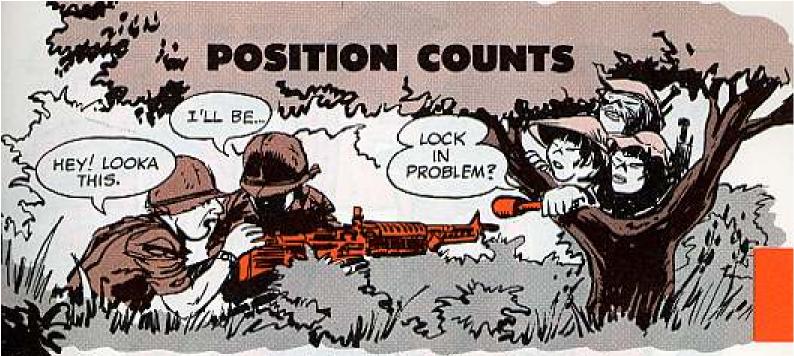
You might not even notice a small piece that breaks off — not right away. The first sign could be something in the firing mechanism getting jammed by the broken tip.



PS IS FOR GUNNERS . . .

and Drivers, Vehicle and Weapons Crewmen, Riflemen, Mortarmen, Generator Operators, Radio and Radar Operators . . . and any other man who uses or maintains any Army equipment.

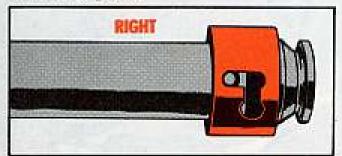
Is your outfit getting enough copies for everybody to read? No? Then, just crank up a new DA Form 12-4, tell how many copies of PS your outfit needs each month . . . and send it thru battalion to the Baltimore pubs center.

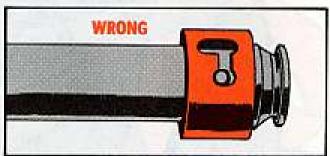


It's a smart operator who checks out his M60 machine gun before he goes to play a tune with it.

And one of the things he looks at as if it mattered — because it does — is the cover for the buffer assembly. Could be he'll find that the lock pin is making its way out of the buffer because the cover has moved.

Not that a loose pin will make a lot of difference in the way the gun operates. But if it drops out, and you fire the gun, you'll need a box for the buffer assembly pieces.

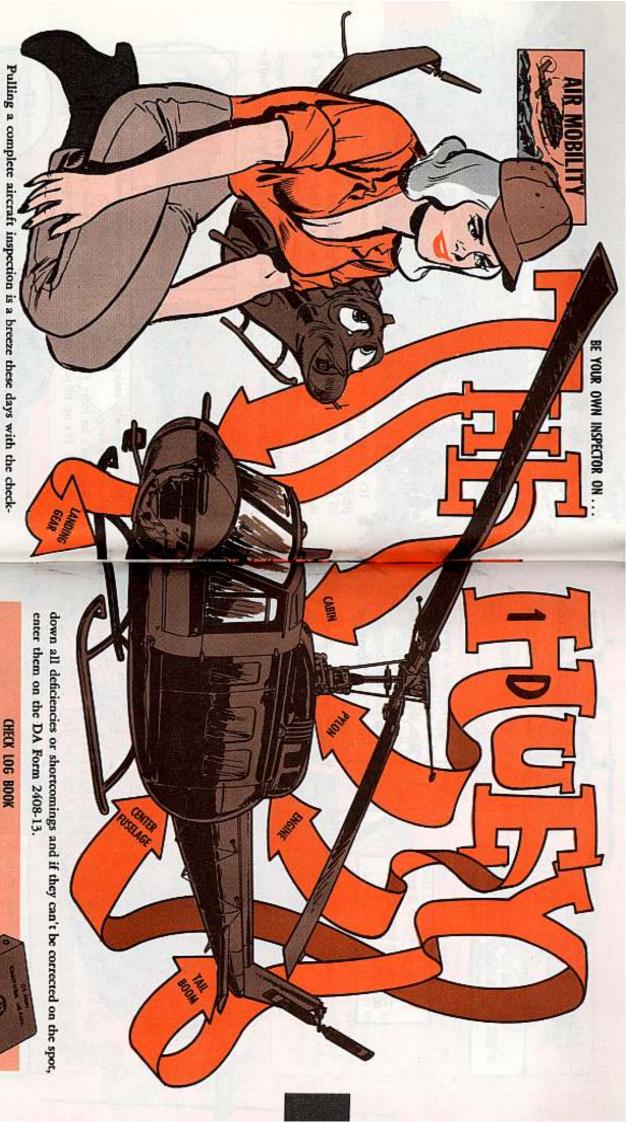




In other words, make sure the cover is twisted around so that the pin is where it belongs.

And don't let itchy fingers get the best of you when you have the buffer in your hand. It's up to your support people to take it apart — not you.





pull the Preventive Maintenance Daily on your UH-1D model. Be sure to jot 10

With a sharp pencil and a DA Form 2404 worksheet handy, here's how to

AR 750-1500-2 (13 Sep 65).

=

Equipment Serviceability Criteria Sheets, Daily, Intermediate and Periodic PM Checklists and current DA Forms 2408, 2408-3, -12, -13, -14, -18 . . . per

to snuff. A complete on-board log book should have

First off, riffle the log book to make sure it's up

equally important.

side of the road for repairs . . . all of these preventive maintenance checks are

Yessir-e-e-e, when you're in the wild blue yonder there's no pulling to the

developed a "roving eye, feel technique" thru on-the-job training.

sheets located right in the log book. It's a breeze - provided the mechanic has

NOSE

or split antenna ends and loose lock nuts EXTERIOR — Look for damage, especially for weld cracks at the antenna mount

no cracks. PITOT TUBE, STATIC PORTS — Clean, no loose screws,

clean rag when cleaning plexiplexiglass. running the wipers on dry shield can also be ruined by will cause scratches. A windglass. A dry rag, or a dirty one, Always use a water-soaked

VDSHIELDS, WINDOWS - Clean,

FRONT COUNTS, WHY NOT ATTENTION ?

AVIONICS



motor check is to wet the plexiglass with water. shield wiper scratch on a wiper One way to avoid wind-



these highly loaded latches closed with access door for that matter, never flip button up the compartment, or any one finger . . . replace more broken latches that way!! It pays to be "all thumbs" here - one on each end of the latch Door latching secure? When you

RADIOS — A "power on" operational

check can be made by following the poop in TM 55-1520-210-10 (28 Dec 65) Chap 5, Sect VI.

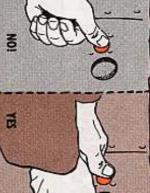
organizational signal repairman. check all circuit breakers to be sure set changes, but only your direct support can make repairs. they're set before you alert the He can replace shot fuses and make If a radio is out, be sure you

ARMAMENT **NSTALLED?**

ARMAMENT SUBSYSTEM

weapons system can be Inspection of the XM-2: made by following the into in Chapter 14 of TM 55-1520-210-20

and the armament pubs.





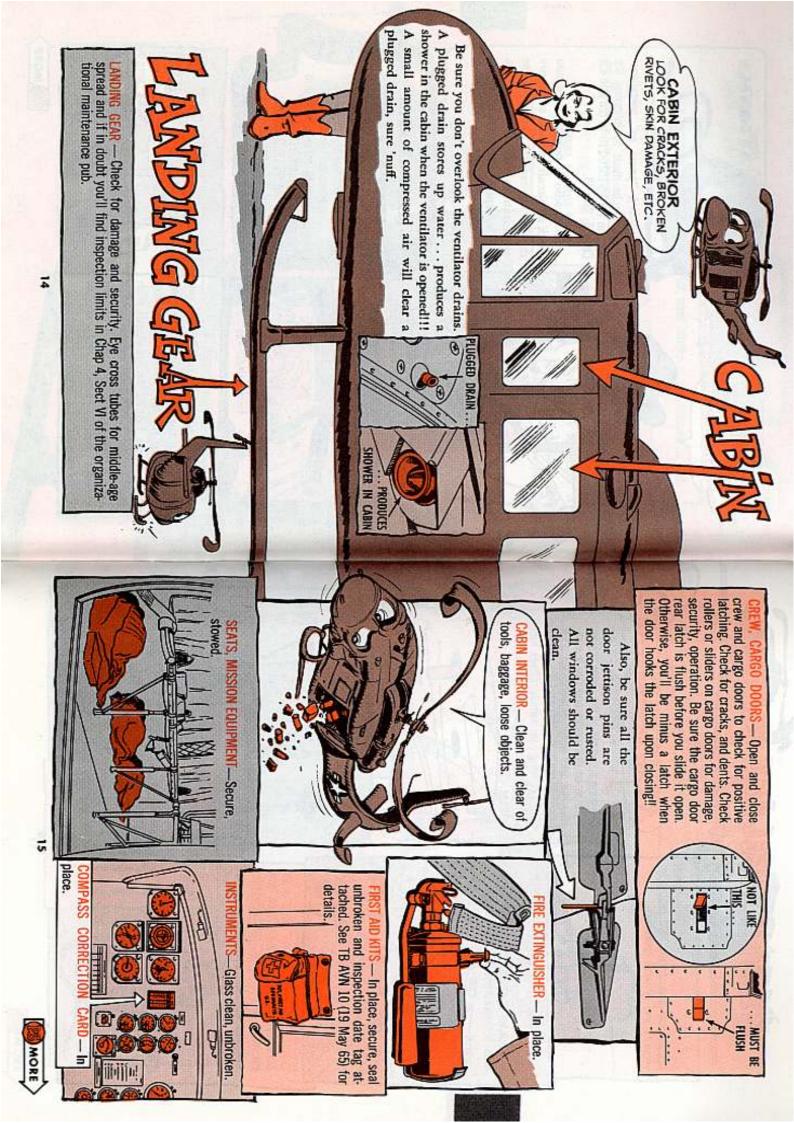
55-1520-210-20, Chap 12, Sect III. and secure. The cleaning poop is in TM Be sure battery is clean, connected

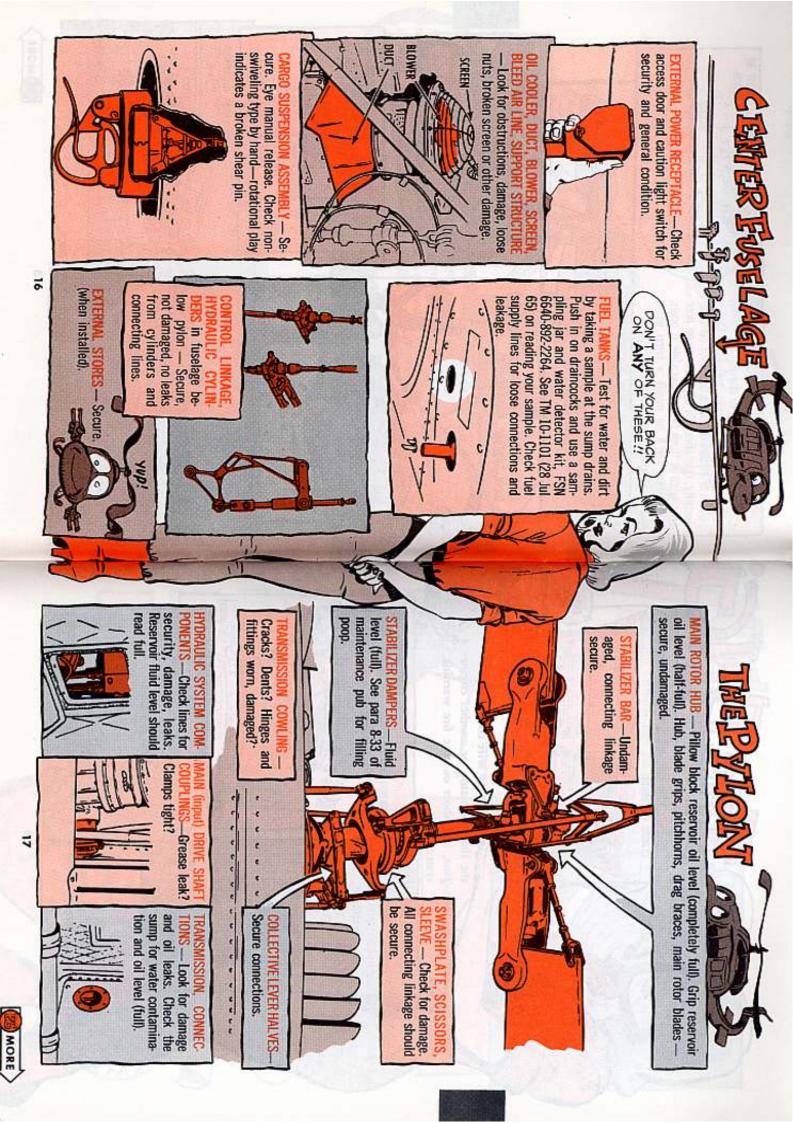
rags or other foreign items. Check radios for loose connections, security and lock-

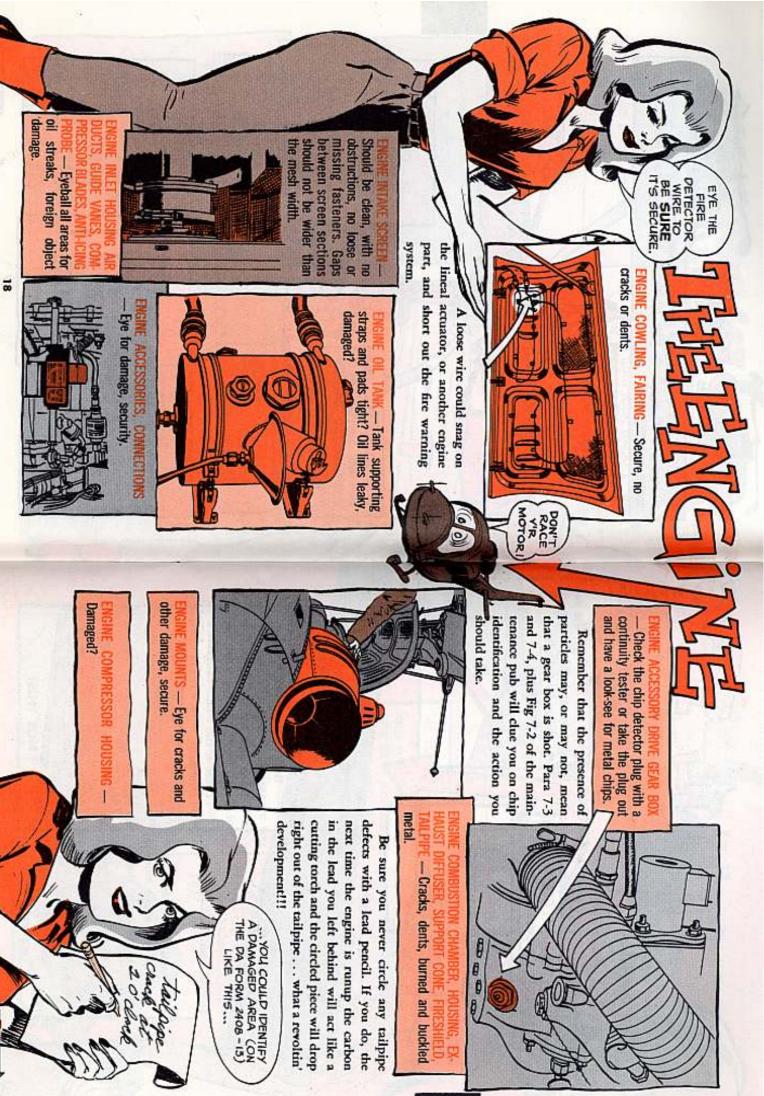
NOSE COMPARTMENT — Clean, no tools,

ANGESTIN.









MORE



OVERLOOK THING!

for cracks, dents, corrosion. AIL BOOM EXTERIOR - Check

Secure? Fittings cracked? TAIL BOOM ATTACHING BOLTS







cure? No visible damage? BLADE ASSEMBLY - Se TAIL ROTOR HUB AND









apart for proper balance) ity of shafts, hangers, cou-pling clamps (installed 90° ALL ROTOR DRIVE SHAF SSEMBLY — Check secur-

No leaks? Oil level full? NTERMEDIATE (42°) GEARBOX — Secure? and covers.

INSPECTOR'S STAMP HERE?

and tail rotor gear boxes be sure you and you know what that means (ugh!!). mediate gear box will be pumped dry get the proper seal on one . . . the interdon't switch filler caps, or you won't When adding oil to the intermediate

cause it can't take rough as it looks like one) betenna as a handle (much the VHF navigation an-

Be sure you never use

treatment.



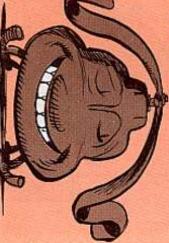
clean sprocket and chain, STALLATION - Secure, aft cables in good condi-TAIL ROTOR CONTROL IN





WITH A SMILE SERVICE

on these operations, beginning in para in Fig 1-6 of your organizational maintenance manual. You will find the poop ice your Huey at all the places shown FUEL, OIL, HYDRAULIC FLUID - Serv-



ing your bird, sure 'nuff. the baby to use for mov-The slide-in handle is

DANGER



USE THIS

NOT THIS!

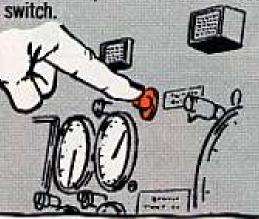
20

SHOOT THE JUICE

THERE'RE SOME CHECKS ON THE DAILY THAT CAN ONLY BE MADE WITH "POWER ON."
TO SAVE THE BATTERY YOU CAN PLUG IN AN AUXILIARY POWER UNIT.



FUEL QUANTITY INDICATOR— Check for operation with the test



CAUTION PANEL LIGHTS — Check for illumination on TEST switch position.

INTERIOR LIGHTS — Dome, cockpit, console, pedestal, instrument lights operate.

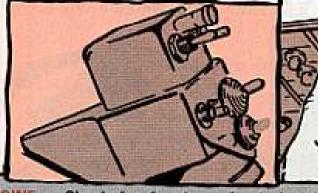


Navigation, anti-collision, search and landing lights operate.



engine controls — Free action through full range, idle stop button release and governor RPM actuator functionally checked.

PITOT HEATER—Check for radiating heat.





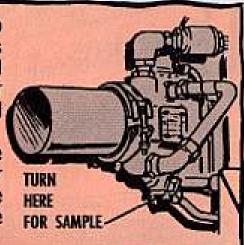


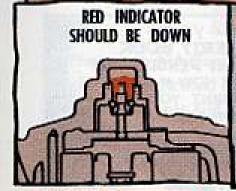
ENGINE — Check for freedom of rotation (with starter energized). Be sure the ignition system circuit breaker is "out" so the engine doesn't start when you trigger the starter. Rotate the engine for a maximum of 40 seconds. There should be no unusual noises during coastdown.

MAIN FUEL FILTER (electric type) —Turn the main fuel pump switch ON — this prevents air from getting into the fuel lines and gives you a good check for leaks. If you have the electrical bypass type filter and the element is clogged the fuel filter caution warning light will come on, which means unfiltered fuel is going thru the bypass valve to the engine.

If the light comes on replace the element according to the poop beginning in para 5-88 of the maintenance pub. Check for water and dirt by turning the filter drain valve and collecting the sample in a jar at the bottom of the fuselage just aft of the

landing gear cross tubes.





MAIN FUEL STRAINER (Mechanical type) — With the fuel boost pump ON, check for fuel line leaks. Check the transparent dome of the fuel strainer and if the red warning indicator is up, the strainer element is clogged. In this case the strainer has to be cleaned and the indicator re-set according to the info beginning in para 5-75 of the maintenance pub. There isn't any drain valve on this strainer so be sure you sampled your fuel before by tapping the fuel tank sump drains.

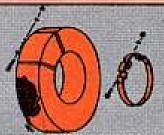
FOR YOUR NEW AIR SCREEN MESH KIT

When you're out where the tall grass grows, your engine air intake needs all the protection it can get. The air-inlet screen stops large objects from entering the axial compressor and centrifugal diffuser alright, but grass just sails thru the wire mesh and partially blocks the air intake.

Fire off a request now for an Air Screen Mesh Kit and rig the screens to head off any alas from grass:



For screen, P/N 204-060-217-1, FSN 1560-923-6027 (found on most FY 63 and later "B" models) you want — Engine Inlet Air Screen Mesh Kit, P/N 204-706-073-1, FSN 1560-921-6507.



For screen, P/N 204-060-210-101, FSN 1560-956-9920, (found on FY 62 and earlier "B" models) you want — Engine Inlet Air Screen Mesh Kit, P/N 204-706-074-1, FSN 1560-915-5964.

You won't find these kits in a technical bulletin or modification work order, so you requisition them thru regular channels. The installation poop is packed right with the kit, sure 'nuff.

But even with the improved screen, be sure to keep an eye on the air intake bellmouth area for grass and other stuff that'll choke off the air.





UNIT PROPERTY BOOK
OR EQUIPMENT PENSITY LIST
TO SHOW YOU HOW MUCH OF THE EQUIPMENT YOU'VE GOT ON HAND!

*TOE = TABLE OF ORGANIZATION AND EQUIPMENT

you get your parts and components faster, and . . . a lot more of them!! Don't let it complicate your life. By keeping these two main points in mind

(NOW YOUR EQUIPMENT—AND THEIR PARTS MANUALS



**INDEX OF DOCTRINAL, TRAINING AND

24

***REPAIR PARTS & SPECIAL TOOLS LIST, (OR RPSTL'S). ORGANIZATIONAL PUBLICATIONS.

> WILL GET THE EQUIPMENT, IF YOU'VE NOW GOT OR PARTS MANUALS *** WHICH SUPPORT THEM!



N-N-NERVOUS

the job real neat for you, both alphabetically and by publication number. Technical Bulletins, Supply Manuals, Supply Bulletins, LO's and MWO's) does No sweat, DA Pam 310-4 (with latest changes), (Index of Technical Manuals,

sub-listing. "Trucks, Utility." You'll spot what you want in pubs in the 1/4-ton, M151 Maybe you've got a Truck, Utility, 1/4-ton, M151. Check the 310-4 for

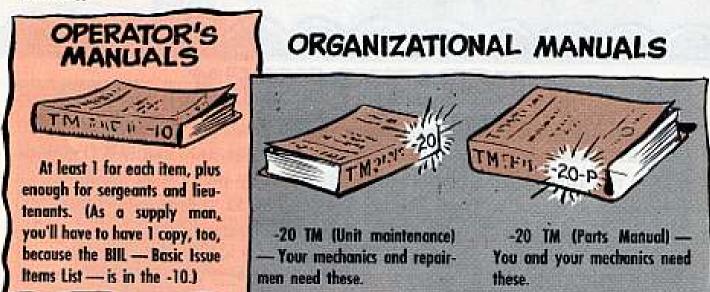




ORDER PINPOINT, AUTOMATICALLY

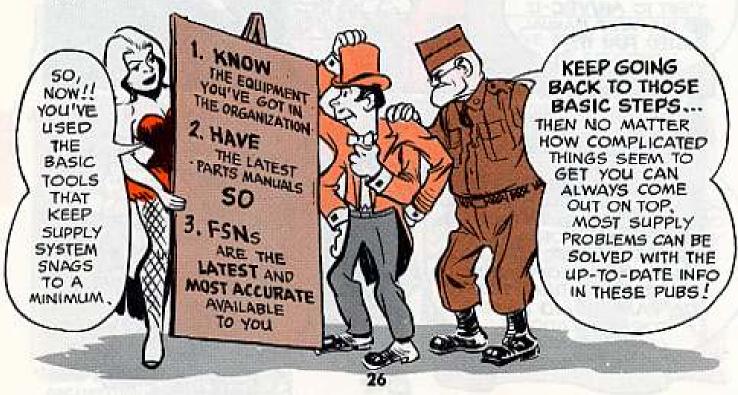
Another thing . . . if your unit didn't have the parts manual which identifies the parts you need, then it's likely your unit's order on the 12-Series DA Forms for automatic pin-point distribution is not up to snuff.

So, get out your unit's copy of all the 12-Series Forms and find out how many copies are on order for each type of equipment your unit has. If somebody didn't order enough, then you need to send new 12-Series Forms to the publication centers.



Some 'TM's have consolidated operator's manual, organizational maintenance and repair parts. TM 10-1670-224-23 is an example.

Remember that it does you good to order manuals on equipment that your unit does not have and does not expect to get. So, be real careful in ordering your manuals. And, skip the higher level maintenance pubs; they're for your support unit.



SUPPLY MANUALS

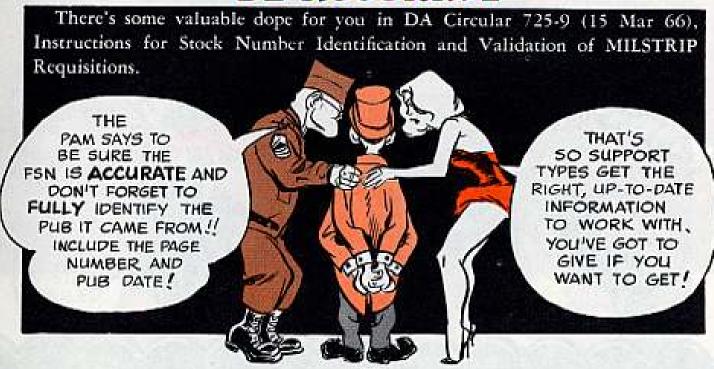


The DA Pam 310-6, Index of Supply Catalogs and Supply Manuals, breaks down three basic kinds of supply pubs aside from the parts manuals and gives you both an index of components and an index by the four-number class.

F'rinstance, suppose you need one of the tools in Tool Kit, Electronic Equipment TK-105/G FSN 5180-610-8177. Check the component list index of the Pam 310-6 under "Tool Kit," and you'll see the TK-105 is listed in SC 5180-91-CL-R07 (Nov 64) supply manual, where you'll find all the FSN's you need.

The 310-6, in addition to listing supply manuals, also lists the Army Supply Catalogs (F'rinstance, for the above, it would be SC5180-etc.), and Federal catalogs (FSC) (C5180-IL etc.).

BE ACCURATE



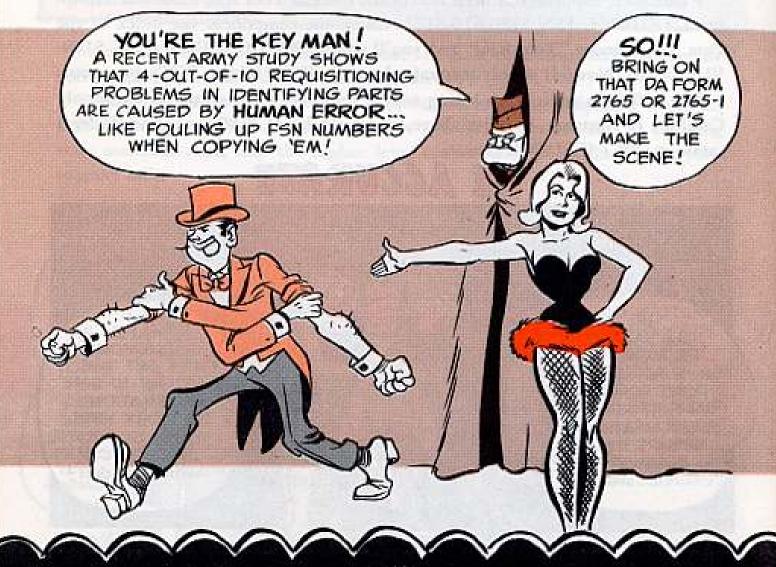
THE PLL

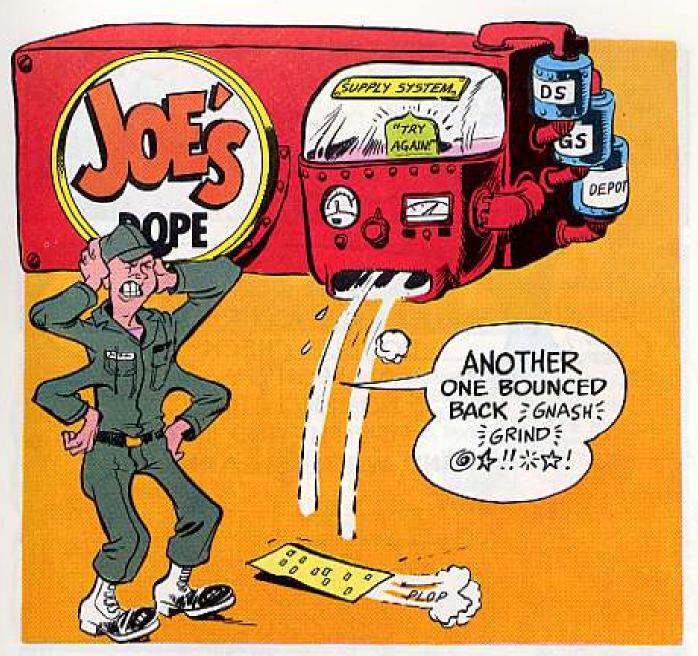
Since your duties as unit repair parts supply man almost surely will include prescribed load lists (PLL), you'll find the dope you need to set up your PLL in para 6-2, Section VI, AR 735-35.

In order to maintain your PLL, the pubs and procedures previously mentioned will make the job cut the mustard with considerably less sweat.



Ideal listing for unit PLL includes the FSN, type of stockage, nomenclature, cost code, unit of issue, quantity . . . and the TM dope. Naturally, your initial PLL is determined by -15P, -20P and -25P manuals on the equipment you have. Naturally, too, it can increase, based on demand experience.

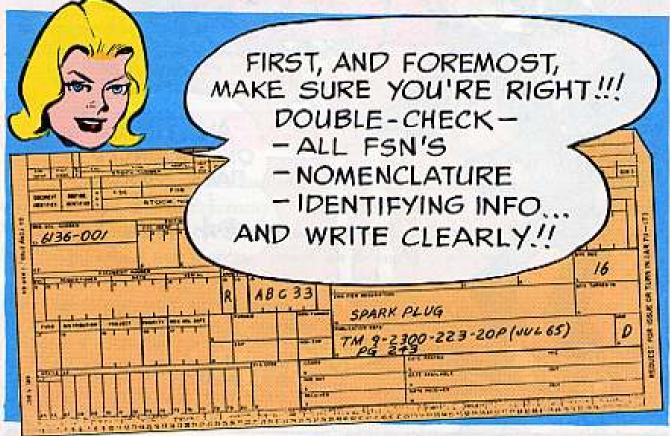




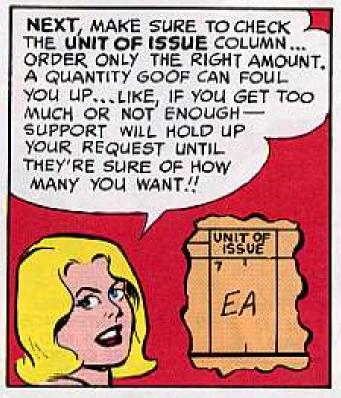






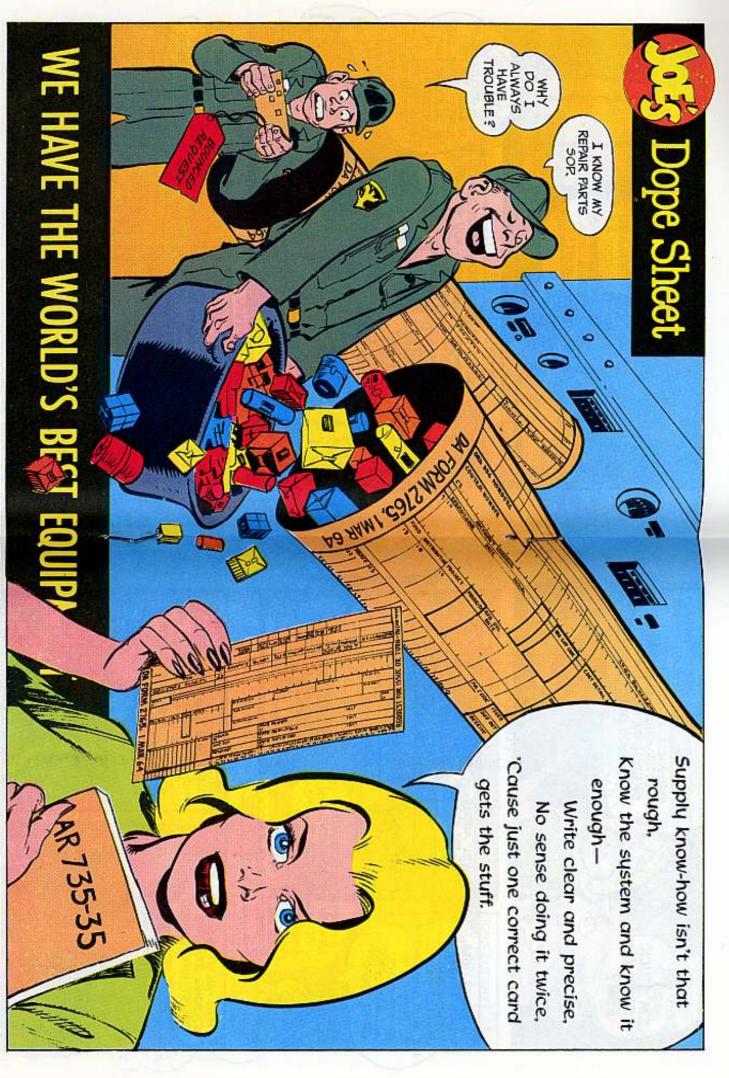




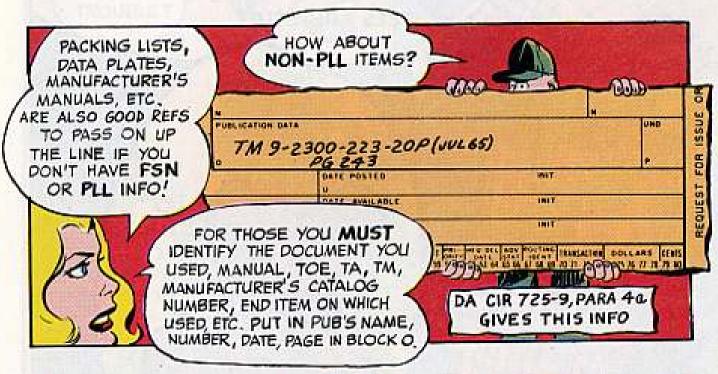


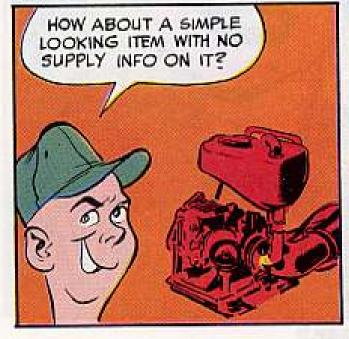


*Unit Identification Code Urgency of Need Designator





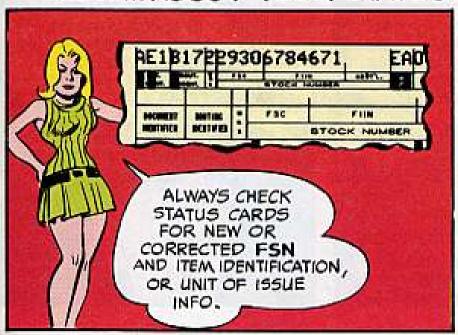






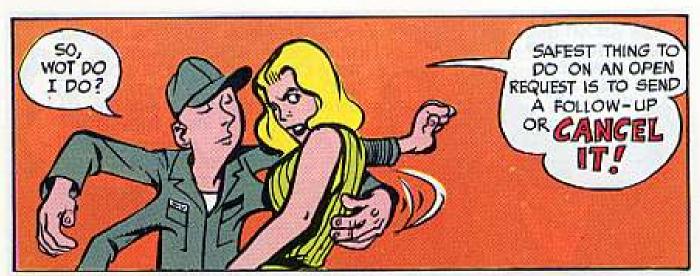


NOW ... ABOUT YOUR STATUS CARDS

















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

TECHNICAL MANUALS TM 5-3805-218-25P, Apr. Scroper,

Barth Maving Towed: 18 Cu Yd Scoop,

Le Tourneau Westinghouse CT-4.

TM 5-3805-232-25P, Apr, Looder,

Scoop Type: DED, Four-Wheel Drive.

Two Wheel Sleer, SAE Struck Bucket

Cop 1% Cu Yd, SAE Roled Cop 1% Cu Yd, Hough H-60M. TM 5-3895-259-12, Apr. Drier-Mixer, Bituminous-Concrete Materials, GED, 3 to 10 Ton Per Hour, Wylie PM-415-ALTE: TM 5-3895-259-25P, Apr. Drier-Mixer. Bituminaus-Concrete Materials, GED, 3 to 10 Ton Per Hour, Wylle Mdl PM-415-MIL. TM 5-4310-250-25F, Apr. Compressor, Rolary: DED, 250 CFM, 100 PSI; Davey M250 RPV. TM 5-4310-256-15, May, Compressor, Recip. Air, GED, Hand Truck Mid. Champion Pneumatic LP-832-ENG-2, LP-512-ENG-2. TM 5-5420-202-10, Apr. Louncher, M60A1 Tank Chassis Transporting Bridge, Armored-Yeb-Launched Scissoring Type, Class 60, TM 5-6115-331-25P, Apr. Generator Set. GED, 18.9KW, DC, 86V, Hol-Gar CE-856-PM/WK. TM 9-1025-200-12, C1, Apr. Howitzer, Towed, M114A1, Aux Propelled, M123A1. TM 9-1055-201-14, CI, May. Louncher, Rocket, M20A1, M20A1B1. TM 9-1090-201-12, CI, May, Arma-ment Subsystem, XM16, TM 9-1430-250-15P/5/1, Apr.

TM 9-1430-502-15P/2, C2, May, Howk. TM 9-1440-500-15P/1. C1, Apr. Howk. TM 9-2300-224-ESC/1, C1, May. Corrier, M113. TM 9-2350-215-20, Cl. Apr. Tonks, Combat, Gun, M60 & M60A1. TM 9-4935-508-15P/2, CZ, May, Hawk. TM 11-5805-356-25P, May, AN/TCC-29, Terminat, Telegraph-Telephone. TM 11-5815-305-15P, Apr. PP-3424 A/G, PP-3424 B/G Power Supply. TM 11-5820-612-15, May, AT-880/U Antegano. TM 11-5850-228-15, May, (QUO) Night Observation Device, Med Range. TM 11-5895-222-25P, May, AN/MGC-19 Operations Central Teletypewriter. TM 11-6125-210-12, May, PU-126/U. PU-126A/U, PU-126B/U Motor Generator. TM 11-6125-226-12, May, PU-33A/C Motor Generator. TM 11-6625-620-12, May, AN/UGM-1 Test Set, Teletypewriter. TM 11-6650-275-15, May, (QUQ) Binacular, Intrared. TM 11-6730-208-25P, May, AN/PIP-1, Projector Set, Motion Picture Sound. TM 38-600, May, Admin Use Veh Management, TM 55-1510-202-10, May, O.1A. TM 55-1510-202-20, May, O-1, TM 55-1510-202-20PMI, May, O-1A. TM 55-1510-202-20PMP, May, O-1A. TM 55-1520-204-20PMD, Jun, OH-13. TM 55-1520-204-20PMI, Jun. OH-13. TM 55-1520-204-20PMP, Jun, OH-13. TM 55-1520-206-10CL, C1, Apr. CM4.23 TM 55-1520-209-10, CI1, Jun.

TM 55-1520-209-20, C1, Jun, CH-47. TM 55-1520-209-20PMD, Jun, CH-47. TM 55-1520-209-20PMI, C1, Jun, CH-47. TM 55-1520-209-20PMP, C1, Jun, CH-47.

MISCELLANEOUS LO 5-2420-206-15-2, May, DED, Tractor, Whid, Ind: DED, Med DBP, Clark 290M. LO 5-3810-231-12-1, -2, -3, Apr. Crans, Crawler, 60 Tan, DED, Harnischleger 1125 W/Eng Cummins NT-380-1, Winterized and Non-Winterked. LO 5-3810-232-12-5, Apr. Crose, Whi Mtd, 20 Ton, 1/4 Cu Yd, Rough Terrain, American Holst and Derrick Co. 2380. w/Engines Cummins V8-265 Corrier and JN-6-1 Crone. LO 9-1000-228-12, May, Guns, Mach, M1917A1, M1919A4; Mounts, Gun, Moch, M2 & Mounts. LO 9-1025-200-10, Apr. Howitzen. Towed, MIIAAI, Aux Propelled. M123A1. LO 9-1055-215-10, May, Launcher, Rocket, Multiple, M91. LO 10-3930-243-12-1, Apr., Truck, Lift, Fork, DED, 10,000 Lb Cap, 24-In Load Center, Pettibone Mullikan RIL10, Army MHE 199, W/Eng General Motors 6U53. LO 10-3930-243-12-2, Apr., Truck, Lift, Fork, DED, Rough Terroin, 10,000 Lb Cap. Fettibone Mulliken STL10, Army MHE 199. 58 700-20, Jun, Army Adopted Hems of Motorial, TB 9-2853-45, C1, May, Heater Kits, Trucks, ¼ Ton, M56, M5681, M43, M4381, M37, M3781, M201, M201BI. TB 55-1520-206-20/6, Jul, OH-23. TB 750-933-1/1, Apr. EIR and Maint Digest, Tank and Automotive Equip.

HEY! 99999999999999

Got any buddies in the next outfit who don't get PS Magazine? Tell them to order 'cm on a Form 12-4. Be sure it's the form dated 1 Dec 65. Their unit will get the number they order direct by mail every month.

GROUND MOBILITY

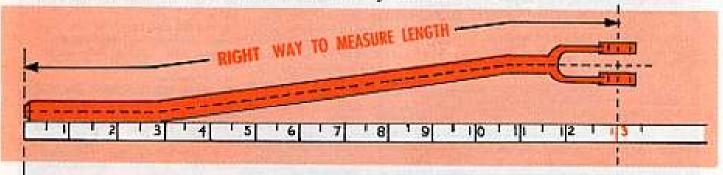
SHORT CLUTCH ROD

CALL

ME
SHORTY"

Look for a short clutch control rod if you're havin' trouble adjusting the free travel of your 2½-ton multifuel truck's clutch pedal. This goes for the M35A1, M35A2 and all other trucks that have the M44A1 and M44A2 series chassis.

Some control rods have popped up with more than an inch missing from the threaded end. Measured in a straight line through the threaded end (not following the bends), the control rod should be exactly 13 inches from the threaded end to the center of the holes at the fixed yoke end.

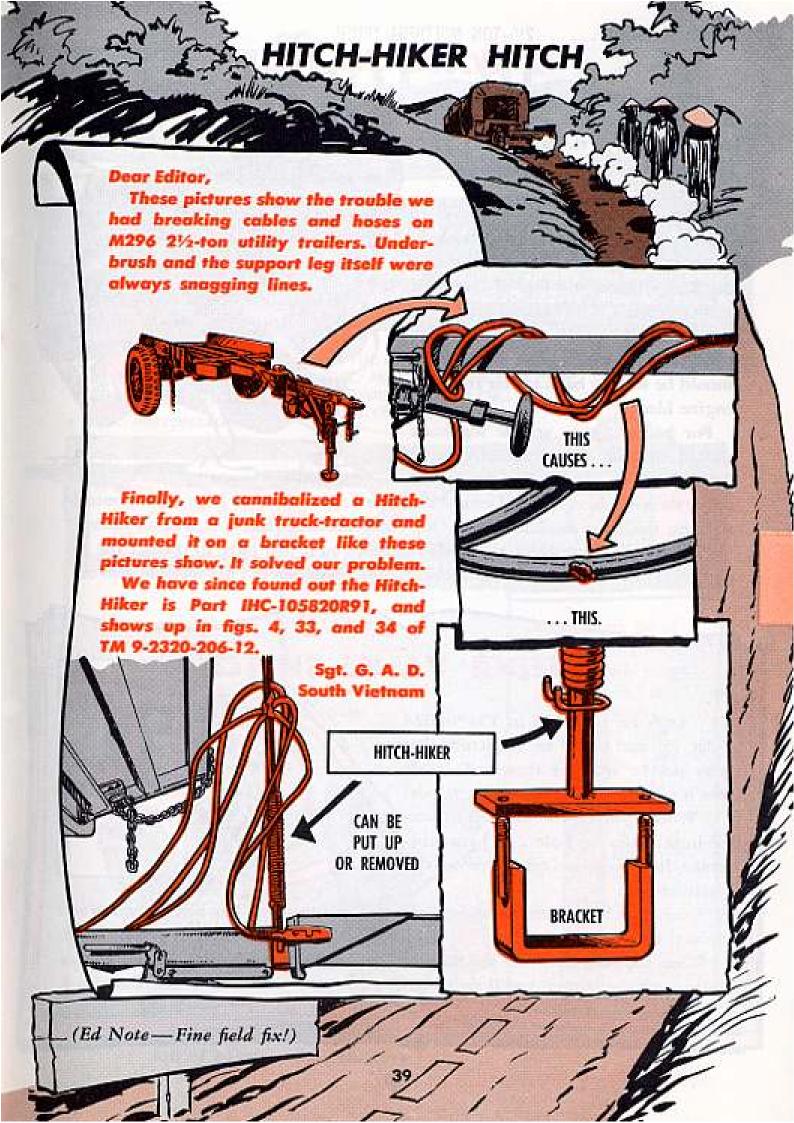


Free pedal travel should be 1½ to 2 inches, like it says in TM 9-2320-209-20 (Apr 65). But you may not be able to get that much if you've got a short control rod.

A short rod should be replaced by a new one. You can get it by ordering Rod: control, w/yoke, assy, FSN 2540-752-0977. It's listed in TM 9-2320-209-20P (Jan 65).

If your rod's OK and you still can't get the right free travel adjustment, check out the linkage for binding. Then get direct support to give you a hand in making sure the release bearing and bearing sleeve are working free. If they're binding, they'll have to be taken apart and lubed.





2 WAYS TO TELL

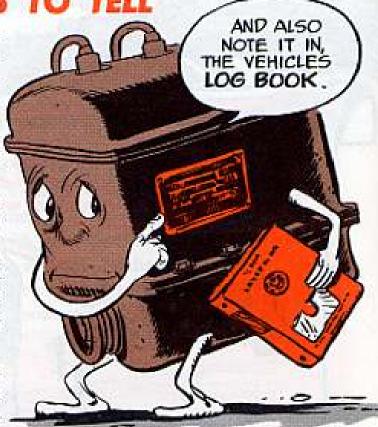
Ever so often it becomes a problem deciding if an engine has had a modification applied to it. Particularly when the engine, or the entire vehicle, is a replacement item.

Well, there are two quick ways to tell . . . by data plate and log book.

First, TB ORD 1030 (Oct 63) shows the "Installation and Use of Overhaul and Overhaul/MWO Data Plates." So, in the case of a modified engine, a data plate like the one on page 2 of the TB should be staring back at you from the engine block.

For backup, your vehicle log book should contain a separate DA Form 2408-5 MWO Record for the engine only, showing a completed entry describing the same modification.

If both the data plate and MWO entry were overlooked, you can eyeball



the engine itself to hunt for an outside modification. But if it was an internal job, you'll just have to contact the engine shop that did the work to find out.

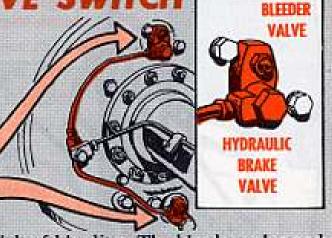
BLEEDER VALVE SWITCH

Look on page 438 in TM 9-8024 (Oct 55) and you'll see a picture that may not be worth a thousand words but it's worth 20 real important words:

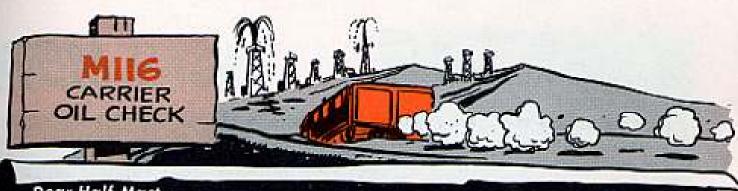
Wheel-cylinder-bleeder-valve-mustbe-installed-in-top-hole . . . hydraulicbrake-line-must-be-connected-to-the -bottom-hole.

Some guys have been switching 'em around the other way.

What happens is, when the bleeder valve is on the bottom you'll do a bum



job of bleeding. The bleeder valve and the hydraulic line have got to be in the right place to do a good job of getting all the air from the line.



Dear Half-Mast,

So how do you check the oil level in the transmission of an M116 cargo carrier?

Page 59 of TM 9-2320-223-10 (Mar 65) says to run the engine in DRIVE position for 3 to 5 minutes, but page 8 of LO 9-2320-223-12 (May 65) says to run it in NEUTRAL. Which is right?

PFC J. A. B.

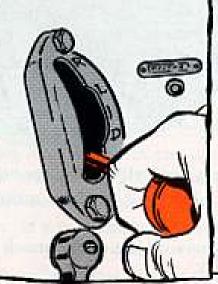
Dear Private J. A. B., Both. However, they need a little interpretation. HERE'S
THE CORRECT WAY
TO MAKE Y'R DAILY
TRANSMISSION OIL
LEVEL CHECK!

 Before starting engine make sure oil level is not below COLD FULL mark on the gage.

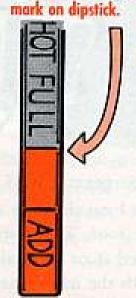
COLD FULL

NOT BELOW

- 2. Start engine and run 3 to 5 minutes at idle speed (650 RPM) with brakes locked and transmission in D (drive) range to let the oil reach normal operating temperature.
 - ding temperature.
- After oil is at normal temperature, put the transmission in N (neutral) range.



4. Now check the oil level, and add oil if needed to bring level to HOT FULL mark on dinstick



(Note: Be sure not to overfill because that could cause

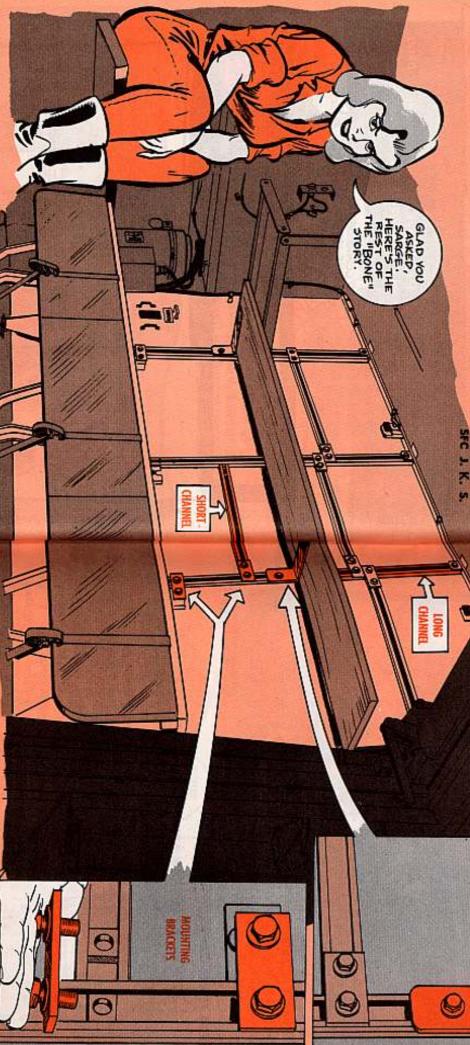
loss of power and overheating.)

Half-Mast



Dear Half-Mast,

I already know that "the thigh bone connects to the hip bone," but what connects to what on the rack stowed near the TC hatch of every M577 command post carrier?



Dear Sergeant J. K. S.,

The long channels mount vertically inside the vehicle where lugs are welded to the roof. The 5 short pieces—2 of them make the stowage bracket—are attached if or as needed.

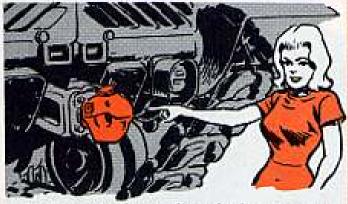
With the map board removed, you could attach them all to the left side if you wanted.

These channels can be put together in any combination you want depending on what else is in the way and what has to be stowed.

> The channels make a strong base on which you can mount any kind of builtin you need. With a lot of brains and a little iron, surplus lumber, canvas straps (or whatever) you can have the kind of custom made built-in you need for your particular problems. If you want a shelf you can have a shelf at the exact height you want.

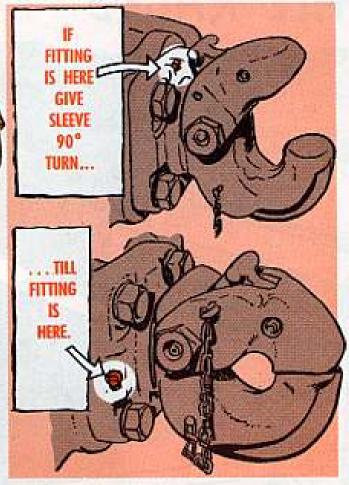
Get an OK from your CO and use any part of this rack for mounting and stowage. Keep the parts you don't use on the wall near the TC hatch. You never know when they'll come in handy.

M60 TANK PINTLE POOP



Take a look at the pintle on your M60-series tank or M728 (T118E1) combat engineer vehicle. Is the pintle sleeve lube fitting on top of the sleeve?

If it is, then take out the bolts and give the sleeve a 90° turn to the left, then install and tighten the bolts again. This'll give the lube fitting some protection from falling objects such as towbars.



MII3A1 CARRIER FAMILY...

STEER HANDLE HAZARDS

THESE
OR
THESE
PICK A PAIR,
PON'T MIX!

Double trouble!

That's what a double set of steer handles can give you if you try to use both sets at once.

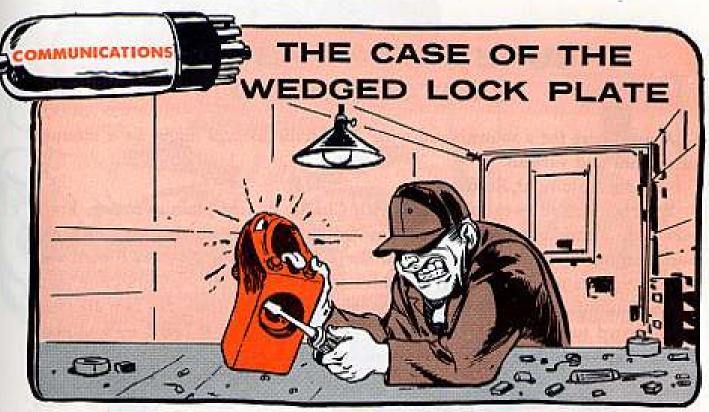
Either the pivot or regular steer on your M106 mortar or M113A1 series vehicles will steer you right.

If you use both pivot and regular handles at the same time you can rip up some internal gears in your differential.

Remember it like this: Pick a pair (of steer handles) . . . never mix 'em.

You use pivot steer for sharp, short, turns on land, for water operation or for emergency stops, but never use pivot steer if you are going over 10 MPH or you'll damage your vehicle and prob'ly yourself as well.

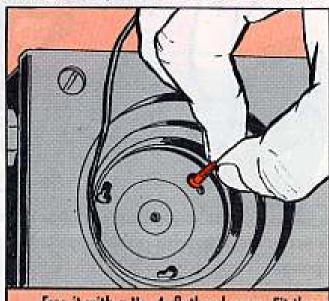
44



Is your IM-174/PD radiacmeter getting robbed of service 'cause the lock plate on the empty battery box is wedging in the case?

When the BA-1288/U and BA-1318/U batteries are out, the lock plate can jiggle off the lock plate screws and settle tight inside the case. Diggin' at it with a screwdriver or other pointed tool can damage the plate and radiacmeter case.





Free it with a No. 4, flathead screw. Fit the screw into one of the locking holes and gently pull out.

Your best bet is to put a piece of plastic insulating tape (FSN 5970-644-3169) on the lock plate, securing it to the side of the empty battery box. The tape's listed on Page 55 in the GSA catalog (Jan 66).

CURE FOR AN ASIATIC SWITCHBOARD

A good cure for a switchboard with the Asiatic hiccups might be a mixture of alcohol and varnish.

Sound a little rich? Read on.

Whether you're sweating it out with Charlie or just plain sweating, bet a nickel the humidity's high. That soggy feeling breeds corrosion — which has been getting to the contact springs of the TA-208/P and TA-220/P cord and operator packs of the SB-86/P switchboard.

The kind of corrosion you get where the VC come calling can No. 10 your switchboard soonest. But, there's a PM cure that'll make it No. 1 — and keep it that way — with minimum sweat on your part.



Like, at the organizational level you can swab the contact springs at least once a month with rubbing alcohol (FSN 6505-299-8095) or cleaning compound, (FSN 7930-395-9542). A good dabber is a cotton swab, like Applicator, FSN 6515-303-8250.

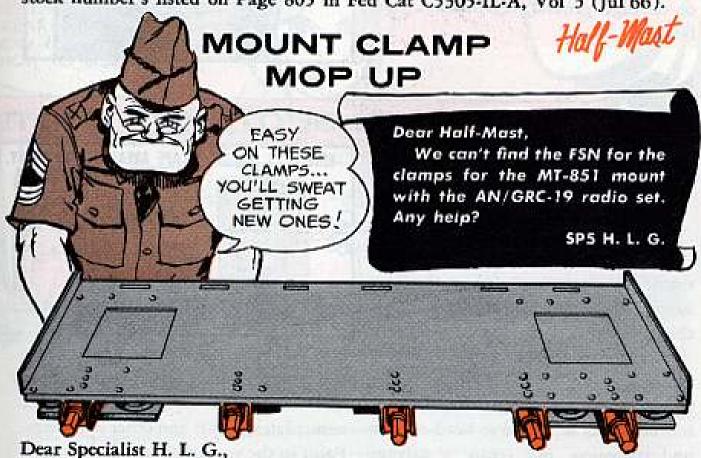
After you've cleaned the springs, use a cotton swab to dab them with varnish (like moisture-fungusproof varnish FSN 8010-840-7494). Remember, a little varnish goes a long way, so try not to slop it on. Also, stop at the bend in the spring so's not to get it on the contacts. Varnish makes a good insulator — which you sure can do without on the contacts.

You'll find the varnish in SB 11-573 (Feb 64), Painting and Preservation Supplies Available for Field Use for ECOM Equipment.

Because of high humidity damage, the cord and operator packs should go to general support at least once a year for complete cleaning and re-varnishing.



FSN 5305-014-0861 will get you a setscrew for any R-390 knob on the front panel except for the big kilocycle and megacycle change control knobs. The stock number's listed on Page 805 in Fed Cat C5305-IL-A, Vol 3 (Jul 66).

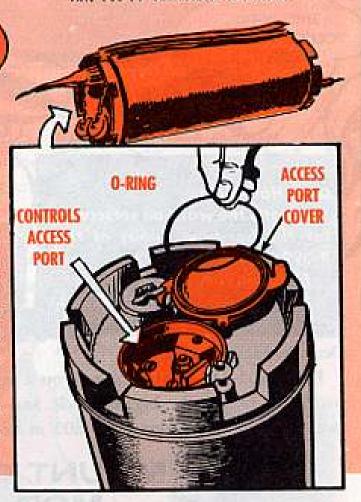


There's no FSN for the clamps. They're not maintenance items, so units have to be real careful about misplacing or abusing them. Replacement clamps have to be made by your support or depot. You might even get lucky and scrounge a matching clamp from your support's common hardware or by local purchase.

RING AROUND

Are you about to boost the signal along the line with your AN/TCC-11 telephone repeater? That's fine.

While you're setting the controls in the J1 and J2 end assemblies, make certain the O-ring (preformed packing) is around the bottom of the controls access port cover. A missing O-ring (FSN 5330-290-8806) will let moisture in and corrosion'll be close behind. Then, whether the repeater's up a pole or on high ground, it'll make a bum booster.



AN/TCC-11 TELEPHONE REPEATER

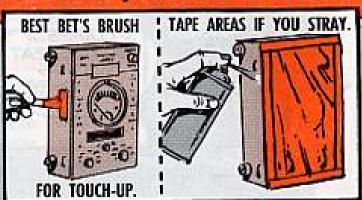


SPOT YOUR SPOT, HOT SHOT!

When it comes to spot painting electronic test equipment, forget the Tom Sawyer method of whitewashing everything in sight.

F'rinstance, with a TS-352()/U multimeter or TV-7()/U tube tester, touching 'em up with paint where the sets need it is supposed to head off rust and corrosion, not create a salvage problem.

For touch up work your best bet's, to use a brush and go sparingly with the paint.



If you have to use a spray can or gun make sure sensitive areas such as dials and air vents are taped. Same goes for nameplates, decals and other markings. Paint in the wrong place can damage a set beyond repair.

TB Sig 364 (Feb 64) with Change 1 has a lot of good tips on painting electronic equipment.



HOW TO STAY ON TOP WITH ...

YOUR DA FORM 2404

You've gotta live with it - day by day!

So, learn to get along with DA Form 2404—and to write its language.

DA Form 2404 has 2 operator/crew uses. (1) It's a worksheet for making Before-During-After-Operational checks—let's call 'em BDAOC. And it's for making Equipment Serviceability Criteria (ESC) ratings. As an operator or crewman, you'll be doing the BDAOC, and —if the equipment is required to be reported on DA Form 2406—you'll use DA 2404 along with the ESC TM to make the numerical rating for each point.

For both of these operator/crew uses of the DA 2404, you fill out blocks 1 thru 5 the same way. But entries in blocks 6 and 7 are different.

THAT FORM ... THAT'S GREAT FOR OPENERS NOW LET'S LEARN HOW TO USE IT.

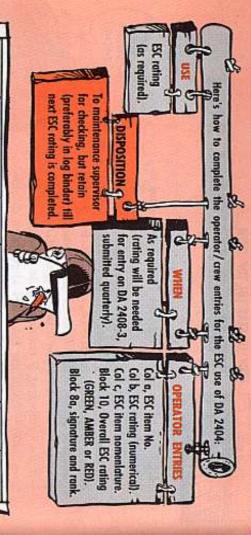
DA PORM 2404







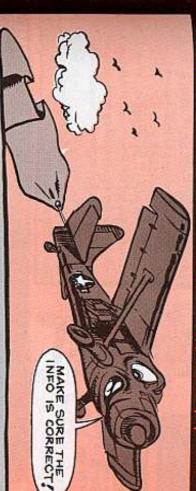
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TM 9-2320-21	B-ESC 16	FEB 66			
TM 9-2320-21	8-ESC 16	FEB 66			
TM 9-2320-21	B-ESC 16	FEB 66			
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				"ESC," and t	he block 7 entry is
TM 9-2320-2/	ing the ESC ro			"ESC," and t	he block 7 entry is
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w	10	THY YOU YOUR DELN!			
4	1	INSTRUMENT ACCESSOR	RIES		
5	10	ENGINE	the state of the s	0.00	Strain



BDAOC uses of the DA 2404 for different types of equipment:



Daily" for aircraft), and the block 7 entry is the number and date of the equipment operator's TM (or -20PMD, PMI or PMP for aircraft). For the Before-During-After checks (BDAOQ), the block 6 entry is "Operator Daily" (or "Crew

MSTRIBETIONS - Regions each check listed in the TM applicable 17 OCT 62 APPLICABLE REFERENCE in performed. Following the sequence listed in THE BATE

LOG (EXCEPT AIRCRAFT)

FÖR

EQUIPMENT WITH HO. STATUS Uton E allo DEFICIENCIES AND SHORTCOMINGS INE CAN MISSING. 6123 6122 12.4 HOLD ON INCTIN DA FORM 2408-3 COMMECTIVE ACTION THIS ONE WHEN COMMECTED GRAINGRA TO AIRCRAFT! $a \in a$ 0.5 2 6 0 23

checking (and further action to maintenance supervisor for Each day of equipment use. Col d, "DA Form 2408-3" if you correct fault by replacing part Col c, brief description of fault. Col b, status symbol required by fault. Col a, operator's TM item No. on DA 2408-3) or that operator can't correct: Block 10, manhours required to correct faul Col e, initials (after correction of fault). After fault is found that requires use of a part (and entry can be corrected without use of a part. Col c, date only (with initials in col e) if all faults found

BDAOC on items that have a log (para 4-26, TM 38-750)—except

8

B

50

if required)

After fault entry is made,

DISPOSITION



THE NUMBER

THE BATE I JAN 66 Da The applicante

TH HUMBER

TH DATE

A HOMATURE CHANG

Buil '98

NEGUINAGO NEG

100

TM 55-1520-210-20PH

Cal c, brief description of fault. Cal b, status symbol required by fault - in red. Col a, item No. from aircraft -20PMD, -20PMI or -20PMP

OC OU CITICIO

Cal d, "DA Form 2408-13" for any fault that affects flight flight status that organizational mechanic can correct. status, "DA Form 2408-3" for correction that doesn't affect

Col e, initials (when fault corrected or transcribed to DA 2407

THE STATUS

BATTERY CLAMP CRACKED DEFICIENCIES AND SHORT COMINGS

DA FORM 2408-3

COMMECTIVE ACTION

COMMECTED MILIAL 4

OA FORM 2408-1

for the day

DISPOSITIO

ock 10, manhours for inspection and correction of faults. ock 8a, signature and rank.

FOR EQUIPMENT MOHILIM

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BDAOC on item that does not have a log (para 4-26, TM 38-750 When fault is found

Col c, date only if no fault found that requires use of part When command permits use for more than I day:

(with initials in cal e).

Col a, operator's TM item No.

command requires it. (or each day of use,) if

Col c, brief description of fault. Col b, status symbol required by fault

Col d, actual corrective action (such as "Tightened,"

"Cleaned," or "Adjusted").

for checking after fault found for daily, if required

to maintenance supervisor

DISPOSITION

by command)

400

Black 10, manhours required to correct fault

After a fault is found:

Col e, initials (after correction).

Block Ba, signature and rank.

who finds a fault makes entries in

and c entries are made by the mainte-

transcribed there. Otherwise, column d

Normally the operator or crewman

WATCH FORM 2408-14

fault. But a crew chief (mechanic) who columns d and c only if he corrects the flight status enters "DA Form 2408-13" finds a fault on an aircraft that affects in column d to show that the fault was 9 O'course the fault should be re-listed be re-listed day by day on DA 2404. should check DA 2408-14 before maktranscribed to DA Form 2408-14 when on DA 2404 if it gets more serious. faults on DA 2408-14 don't need to ing entries on DA 2404. Uncorrected this is permissible, the operator/crew nance supervisor. Even though uncorrected faults are

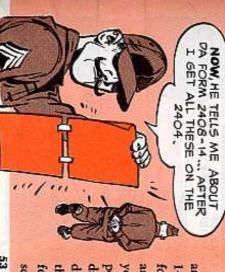
PUT IT ON DA FORM SEE! IT AFFECTS

2408-13

And remember this: Besides keeping

	X	10			TH STATUS	Earl 9	AllCarvell - Parky	TM II	7
	BATTERY LEAKING	ANTENNA LOOSE INAN	6/24	6123	BEFICIENCIES AND SHORT CONINGS	LH brokenfor perting to proceed at the	1. Perform din the principle of the prin	TM 11-5820-498-10 5 NOV	1
)	REPLACED BATTER	TANDUNT TIGHTENED	AND THE SHOOT SHOULD BE SH		NINGS COMMECTIVE ACTION	Earl H Brobalet	distable to the formetion of the	OV 62	AN - TOKING - TOKINGE
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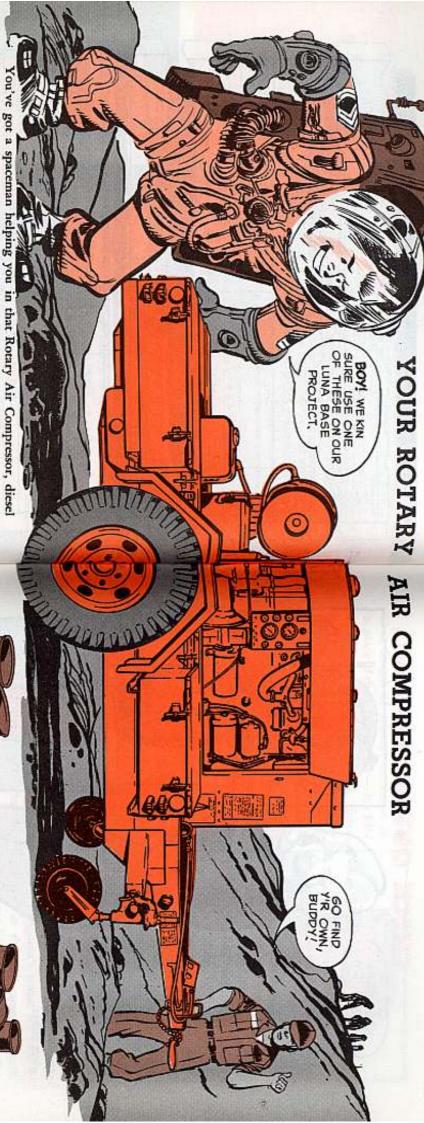
DA



schedule of periodic services due. and 2408-3. This -1-2-3 check will tell an eye on the equipment and DA 2408formed.) Also, DD 314 is the official due, DA 2408-2 and DA 2408-3 show you how your equipment stands on forms -- especially DA 2408-1, 2408-2 14, you want to watch the other log the last time the services were perdaily, has the dates these services are periodic PM services. (The DA 2408-1,

52





GO INTO ORBIT WITH . .

That's LO's gospel, and you'd better believe it. It tells the one and specific kind of oil you want in that air-shoving end. Some types you may have trouble finding are:

USING THE RIGHT

drive.

No astronaut's hid in the works, true, but the muscle under that hood will claw through mountains and put your Army right where it needs to go here

THERE ARE 4 MAIN THINGS YOU HAVE TO DO TO TAKE CARE OF YOUR GROUND-EATING FRIEND, LIKE-

The right

Te right

ı

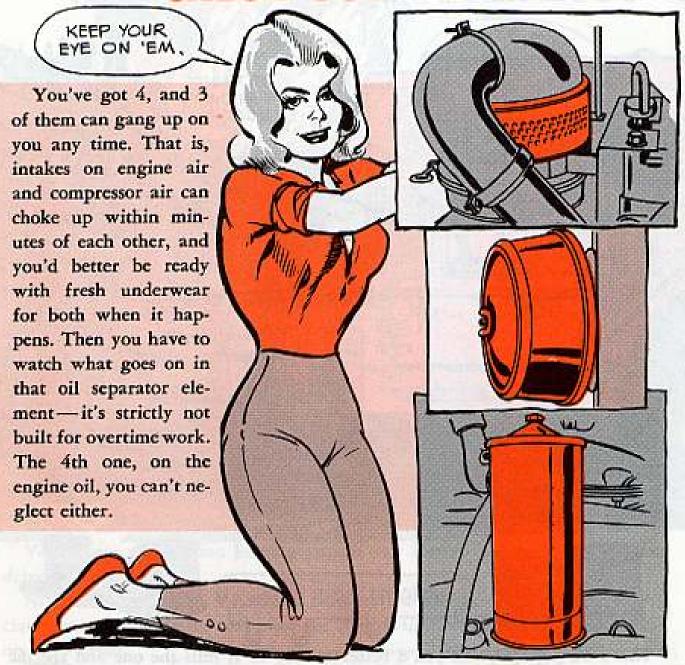
The right

Joy 250 series	Joy RPA210 series	Davey M-210-RP	MODEL
2110TH	2110	2190T	OIL TYPE
9150-582-5480	9150-223-4137	9150-235-9061	INST
55-gal drum	S-gal drum	5-gal drum	MILINAND

That 2110TH is popular stuff in the air-cramming business — Ingersoll-Rand DR315s and DR-600s use it too — and don't forget the TH part of the spec.



CHECK OUT YOUR FILTERS

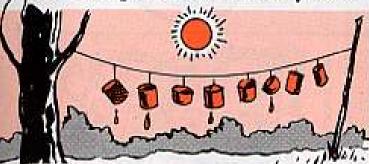


ITEM ngine Air, Davey 250's ngine Air and Compressor	MFR CODE 18265	PART NUMBER P10-5642
r Intake, Joy 250's (FSN 2940-225-4832)	00736	200146-07
Impressor Air, Davey 250's	18265	P10-3055
il Separator, Davey 250's	00736	200508
il Separator, Joy 250's	00736	200658

What, only one FSN? Correct—but you can order 'em by part number. And there's a little trick that'll provide life insurance for those air intake insides, especially on your Davey, if you don't have a muffler.

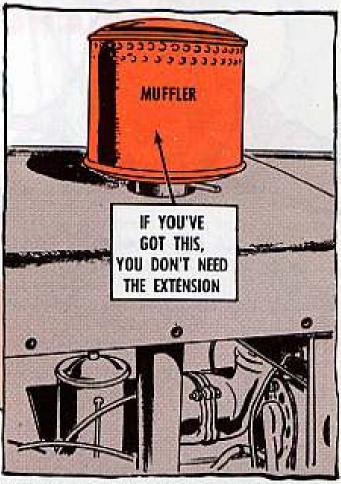
If that's the make you've got, put a 55-in length of exhaust extension on in place of the rain butterfly—it's FSN 4720-595-4146, hose, metal, interlocked, unpacked. And point it away from the air intakes.

FSN 2990-225-4838 gets you a muffler from Fed Cat C2990-IL-A-CB6 (Aug 66). When you get it, take off the 55-inch extension and put the muffler on—and put the rain butterfly back.



No matter what pedigree rig you've got, but especially if it's a Davey 250 CFM, you'll need a supply of spare innards if you're to work in the field. Washing the Davey's engine air filters in non-sudsy cleanser is fine—but they take 2 days to dry.

But wash, change or whatever, those filters are there to protect the insides



of your rig. Dirt in the air lines and exhaust soot in your carburetor will make a hangman's noose for sure—and dirt in that aircrammer equals stuck rotors, broken vanes, bent shafts, and an unhappy crew staring right straight at you.







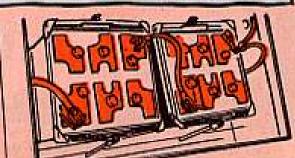
YOUR ENGINE... BEFORE YOU START

SO, YOU'VE BEEN WORKING FOR A HALF HOUR AN' YOU'RE STILL NOT STARTED? T-O-U-G-H. THE PRESTART CHECK-OUT IS THE MOST, AND TIGER, WE'VE GOT MORE TO DO!!

CRANKCASE OIL — Level right? Hourmeter say it's time to change?

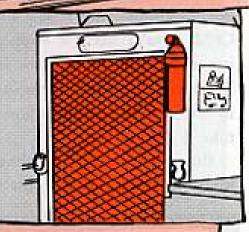


Electrolyte over battery plates? No bare wires that need tape? Generator belt sound?

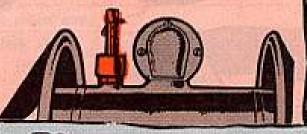


RADIATOR — Coolant within inch of top? Hoses tight, no drips or cracks?

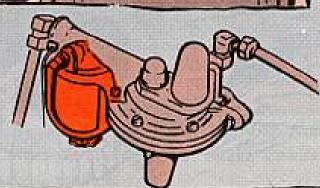
ACCESSORIES — Fire extinguisher charged? Tools, pubs and forms in order? Bolts and clips tight?



SAFETY VALVE — Free, ready and willing?



FUEL SYSTEM — Tank full? Sediment filter clean? Joints tight?

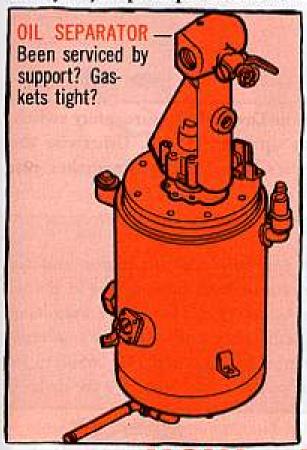


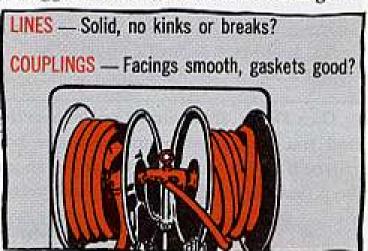
CHECK OUT YOUR COMPRESSOR... BEFORE YOU, START

THAT'S JUST HALF
OF YOUR ONCE OVER!
NOW BEND A GAZE TO
WHERE THE MUSIC COMES
OUT, THE AIR-CROWDING



If you're new on the job or if somebody else has been in the saddle before, or if you just plain prefer this work to diggin' foxholes, check 3 more things—

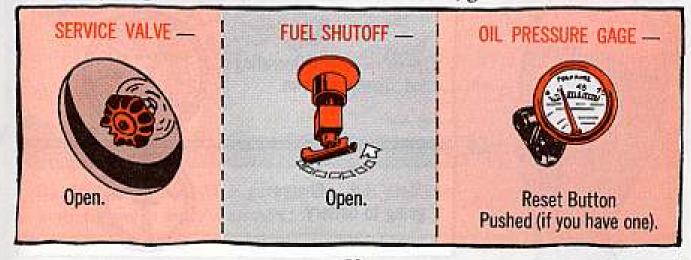




If support's not around, and the records are messed up so you can't be sure, you can feel that oil separator's pulse by taking the lid off. If it's smeared by tough varnish, not just normal sludge, that's a red flag and a sign for support cleanout and oil change.

NOW - LET'S START

If everything checks out, the worst is over. Next, get-



CHOKE— Lever Out, if any.
On Daveys, stop cable out.





This brings on 5 critical minutes of a fine morning.

Tap START BUTTON to inch over a little at a time.



If she turns over OK — push STOP CABLE and SAFETY CONTROL in, if you're a Davey . . . flip IGNITION SWITCH on if you've a Joy . . . and start.



On a Davey, that Safety Control overrides the Low Oil Pressure safety switch, and you keep shoving until pressure builds up over 15 PSI. Otherwise the enjyne'll try to shut down on you even after it's kicked off. On Joy makes, just keep pushing the Start Button until pressure's built up.



GET THOSE MOLECULES MOVING.

A fast idle does it. Engine and air compressor both have to get in shape. The oil molecules in those rotors have to limber up, and that radiator temperature has to bump 140-165°F to let your power loose. So here's the drill—

CHOKE — Closed soon's the kicker's running on its own.



TACHOMETER — Operating and steadying down.



AMMETER — Charge going to battery.



AIR LINE COCKS — Open to blow condensate until just clean air comes out.

Maybe you've got a blow-thru unit or a moisture trap, but you'll wait until your engine temp gage says 140° to close the Compressor Unloader if you've made a coldweather start. You can start coaxing in the Idle Control





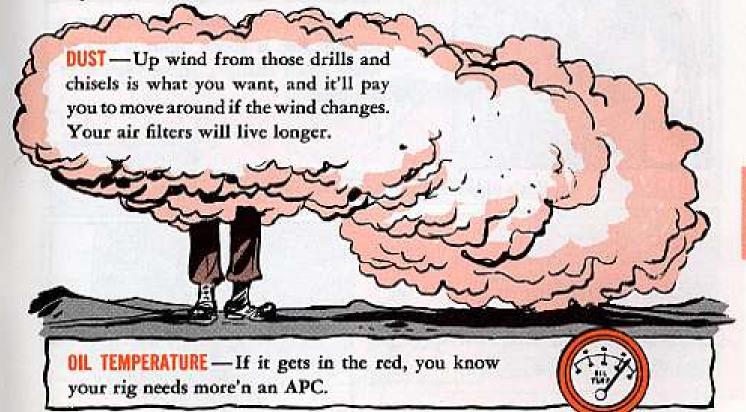
Now maybe you've got a lever air control, or maybe a globe valve. On a Davey, you can wreck your fuel line and fuel gage pickup wire by tromping on 'em reaching for the valve, so watch where you put those boots.

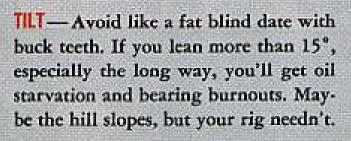
Hawkeye that Pressure Gage. When it hits 100 PSI, you're ready for customers. If you took good care of that pre-start routine, you got a head start on a good . . .



DAY'S RUN

But there're things you've got to watch. That's what for you got issued a set of eyeballs and hands and brain cells. Be careful of:



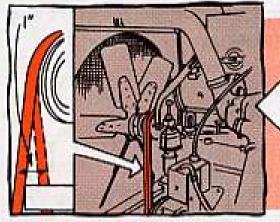






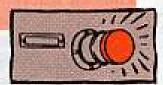
HOSES—Keep out of the way and kink-free. A busted high-pressure line can whip around and wham you right into the marble muster.

NOISE—Tanker's ear plugs will keep you from getting deaf to high-pitched sounds. That goes for the guy on the tools, too. Rifle cleaning patches or cotton wads help, but best get the medic to fit you with plugs.

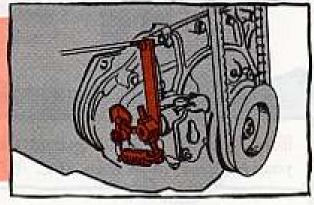


BELT DRIVES — An inch slack from a straight line is about right, otherwise when speed changes, those wee drives can snap.

PANEL LIGHTS — On if it's night, so you can watch those dials.



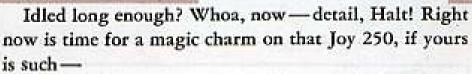
GOVERNOR—Your bypass and valves take care of output mostly, but if you hear a roar and the kicker overspeeds, chop that throttle fast.



SHUTDOWN

Closing up the store the right way is another big piece of insurance. Fact is, you can't start right the next day unless you stop right when shutdown time arrives.

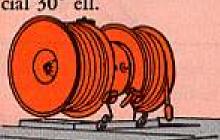
With the load eased off, you cool at idle 10 minutes. If there's an Idle Control, use it. You can use up your excess air to clean out your tools, blowing out muck and water.



☐ Just before you chop that ignition, rev 'er up to 1500 RPM for a minute — then, Whammy! Off she goes, and just a few seconds does it.

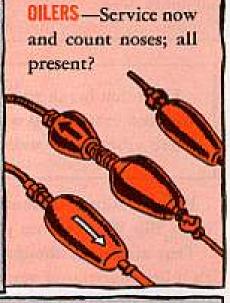
This you do to avoid hydraulic lock when you fire up again. The Joy 250 has a small sump, and it's got a temperamental oil inlet valve on the older models. If those rotors get crammed with oil, oil that won't compress, that means sheared vanes when you kick 'er over again.

HOSE REELS—Make sure there're no kinks. That Davey will snap hoses if you let it, or unless you get support to put in a special 30° ell.



LO's—Look for dry bearings, drippy gaskets, hot spots. If you find metal chips in oil, call support.





FAN GUARDS AND SCREENS

— Welds and bolts holding?

FUEL RETURN LINE— Solid and undamaged?

RECORD FORMS—Got today's business entered in the right place?



FUEL TANK - Full so moisture won't collect during the night?



That fan guard is nothing to neglect. The sheetmetal screws can pull out and let the fan blades hit, which could mean a slice out of your skull. Bolts with lockwashers and double nuts are good safety measures.

When fueling a Davey, you can take out that X-faced screen, use a funnel screen, and save an hour, besides working with less drip.





That record bit you won't shrug off, either. It's the way you keep track of those fiber-core separators, for instance.

Those separators shred when guck-loaded, and fibers ball up everything. A take-apart cleanout by support, no less, is the only cure.



Lines that break you'd best get replaced by steel if available.

And look extra sharp where they come thru the housing. That's where vibration is worst.

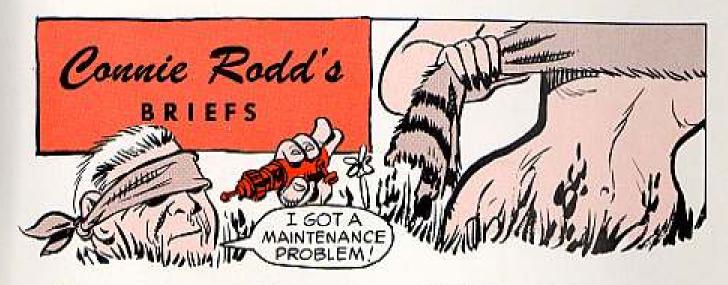
If your automatic shutdown cuts in and stops the rig, you've got to know Why, Big Why, before you think of trying to run again.

That automatic shutdown is a thermal-switch sentry deal — which means it's a heat-hater — in your oil and water supply. When it chops the gun, you can bet something's cooking too brown.

Could be a vane's gong's rung, an oil line's blocked, or a pump's gone but the trouble you've got areddy will be as nothin' to what's ahead, unless you look for reasons.

But maybe you drove past Deadline Alley after all. While you wipe up any diesel juice that spilled, and pick up the tarp to put over your jewel for the night, take one last look—

Ignition Off? Fuel Valve Closed? Panels Shut? Attachments Stowed? Scram, Chow'll be all gone.



Recoil: From -3 to -2

When you add recoil oil to your mechanism, make a note of the type and amount on the DA Form 2408-2 (Lubrication Record)—not on the 2408-3 (Maintenance Record) like it said on page 28 of PS 162. The rules are the same as those for lubricants in paras 4-6a and 4-6c(9) of Change 2 to TM 38-750.

Infrared Battery

Your infrared metascope assembly (Polan Model P-141), FSN 1090-560-0110, may need new batteries, so ask for BA42 dry batteries, FSN 6135-120-1010 and not FSN 6135-120-1020. If you didn't get Change 1 (Jan 66) to TM 5-1090-201-15 then you'd better jot the number down so you can have it handy.

DA Form 12-31

Your pubs which cover airdrop of equipment are now on pinpoint distribution and should be ordered on DA Form 12-31. It goes to CO, US Army AG Publications Center, 1655 Woodson Road, St. Louis, Mo. 63114.

21/2 7on Multifuel

The choice is easy when you need a new oil-filter element for your M44A1 or M44A2 series 2½-ton multifuel truck. Parts kit, oil filter, FSN 2940-884-4801, includes the element and gaskets and is for either oil filter in either truck. The kit is listed in TM 9-2300-223-20P (Jul 65).

Water Bag Faucet

Need a faucet or 2 for your water sterilizing bags, FSN 4610-268-9890? Then order 'em by FSN 4510-277-9569 from the Defense Construction Supply Center, Columbus, Ohio. Be sure to use their Routing Identifier S9C on your request. The cost of each faucet is 65¢.

Zenith Carb Kit

If you're havin' a tough time gettin' DX action on carburetors for your M151 ¼-ton trucks, find out if your support has heard about the repair kit for the Zenith carb. It's Gasket Set, Carburetor, Zenith, FSN 2910-884-2172, listed in Ch 1 (May 66) to TM 9-2805-213-34P.

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

