



GET.

FRO!

YOUR !

Picture a source of information boiling over with preventive maintenance wisdom . . .

nantenance types . . .

. . and penned from the fingers of professionals whose specialty is to ferret out maintenance that should have been, but never was, done by operators and unit repair types.

Color it with availability. See the vigor and interested pride that ring in the words that fill its pages. Measure the cost to you (nothing, if you're an innocent onlooker). And forget that it almost surely made somebody unhappy (to say the least.)

The point is, it can save your unit future pain, bother, cost, time, unnecessary deadline of equipment and a bad materiel readiness profile . . . as well as bring smiles to the face of your CO, your DS unit, and other types who pay the bills.

What, ask you, is this magical missive, this massive boost to PM...this transfusion that puts smiles on the miles ... and PM in the pocket?

IS YOURS

	¥	WORKSHEET	
EQUIPMENT INSPECTION AND MAINTE	INCE		
EQUIPMENT IT (TM 38-750)	E AN	ID MODEL	+
TRUC	Kit	5- 70N 6. TYPE INSPECTION 7- Z	
ORGANIZATION A - 3/5/ ARMOR dar. MILES 6. HOURS 6. ROUNDS 51. HOURS 6. ROUNDS	l is	5 AUG 75 1-1	
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M NUMBER JUL 1972	-	Gamed Following the sequence lists	30
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- MISS/NO	-		
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YUP-THAT'S MY

HANDLE! WHO WANTS



Published by the Department of the Army for the information of organizational maintenance and supply personnel. Distribution is made through normal publication channels. Within limits of availability, older issues may be obtained direct from Editor, PS MAGAZINE, c/o US Army Maintenance Management Center, Lexington, KY 40507.

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PS wants your ideas and contributions, and is glad to answer your questions. Name and address are kept in confidence. Just write to: Or call: AUTOVON 745-3503. M S G Half-Mast PS Magazine Lexington, KY. 40507

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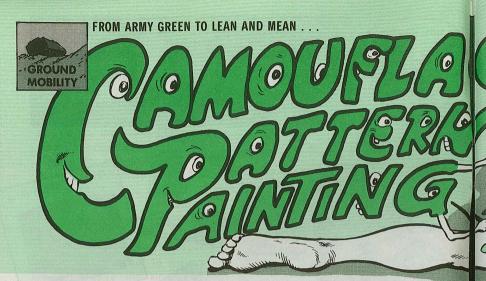
DISTRIBUTION: In accordance with requirements submitted on DA Form 12-5.

1

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you!

flage painting you'll be doing on your publications center. equipment.

They can't hit you if they don't see flage Pattern Painting (30 Apr 75). If your unit didn't get copies, use DA That's the idea behind the camou- Form 17 to order 'em from your

Your local command will pass the The complete story on the materials word on when to paint and what needed and how to get the job done is patterns to use. Each pattern (except in Training Circular 5-200, Camou- all white) requires 4 colors chosen

> TRAINING CIRCULAR 5-200 CAMOUFLAGE PATTERN PAINTING

(30 Apr 75

specifically by your commander for the of the paint. Two other colors will terrain in your area. All patterns are each require about 5 per cent. service office (TASO).

colors that'll require about 90 per cent where you are and when.)

available at your local training aids

Each pattern area has a number and you apply whichever color has been In the 4-color design, 2 will be basic chosen for that number (depending on



PATTERN IS REPEATED ON INSIDE OF SURF-BOARD, REAR DOOR, AND ALL HATCH **COVERS**



PAINT THINNERS

Mineral Spirits, Spec TT-T-291

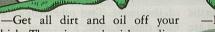
Xylene, Spec TT-X-916

Butyl Cellosolve, Spec TT-E-776B NSN 6810-00-281-2001 (gal)
Thinner, Cellulose-Nitrate Dope, NSN 8010-00-162-5289 (gal)
Spec MIL-T-6095B (For preparing paint to use on neoprene-coated tarps)

FOR THE PRIMER

NSN 8010-00-558-7026 (5 gal) NSN 8010-00-246-6116 (55-gal drum) NSN 6810-00-584-4070 (5 gal) NSN 6810-00-290-4166 (55-gal drum) NSN 6810-00-281-2001 (gal) NSN 8010-00-162-5289 (gal)

FOR THE PRIMER
YOU'LL NEED SPEC TT
P-175T. NSN 8010 00-515-2208 IS FOR
ONE GALLON AND
NSN 8010-00-515-2211
GETS YOU FIVE.



vehicle. The paint won't stick to a dirty surface.

—Remove all loose or flaking paint.
Sand if necessary.



—Remove all plastic letters and insignia and clean the surface with thinner or solvent to remove any remaining glue.

—Cover all grease fittings to prevent fouling.

—Thoroughly stir all new cans of paint before mixing.



-Do not mix one color paint with



another. Clean sprayer thoroughly if changing colors.

—Mix the paint and thinner in batches of 3 or 4 gallons for major colors (½ to 1 gallon for minor colors) and stir thoroughly before each spray cup is filled.

—Adjust paint gun to get the right paint and air mixture.



—Hold the spray gun close to the work to prevent excessive overspray or a spray that's too dry.

—Wipe chalk markings off the vehicle as paint is applied. Don't paint over the chalk . . . it will flake off later.



HERE'S A CHART ON THE MAN-HOURS AND MATERIAL IT TAKES FOR SOME OF YOUR VEHICLES!

4	VEHICLE	AVERAGE MAN-HOURS	AVERAGE PAINT (gal)	AVERAGE THINNER (gal)
	M35 CARGO TRUCK	15	1.00	.50
	M51 DUMP TRUCK	17	2.00	1.00
	M60A1 TANK	30	2.16	1.10
ı	M88 RECOVERY VEHICLE	19	1.50	.75
ı	M109 HOWITZER	15	1.00	.50
ı	M109 VAN	18	1.00	.50
۱	M113 PERSONNEL CARRIER	20	.83	.42
I	M125 CARGO TRUCK	20	.83	.42
V	M151 UTILITY TRUCK	12	.50	.25
/	XM163 VULCAN	14	1.00	.50
1	M561 CARGO TRUCK	12	1.00	.50
Á	M577 C-P CARRIER	20	1.16	.58

—Be sure the new paint coating looks wet on application.

—Do not walk on or touch the coating while it's still tacky.



THE PERSON NAMED IN THE PE

—Clean all spray equipment and brushes thoroughly at the end of each day.



—Keep spray guns clean. Run thinner through the gun before each filling or clean it if there are any signs of caking present.

—Cover paint cans and pots to prevent a skin from forming on the paint.

—Maintain good housekeeping in and around the paint mixing and filling area.



YOU'LL NEED THESE PUBS TO BONE UP ON THE FINE ART OF PAINTING!

TM 5-618, Paints and Protective Coatings.

TM 9-213, Painting for Field Use. TB 750-260, Paint Instructions for Operator and Organizational Maintenance.







All of your M715 1 1/4-ton trucks will be splittin' one of these days. So will the other 5-quarters—the M725 ambulance, the M726 telephone maintenance truck and the contact maintenance truck.

Repair parts will be harder to come by as supply support tapers off. You may not get down to using chewing gum for windshield seals, but you may have to use your good ol' ingenuity

... BUT CUSSIN' POES NOT SOLVE PROBLEMS LIKE-ENGINE TO BRING • Poor power . . . OUT THE I COULD WORST OF EVERYBODY'S CRAWL FASTER, Hard VOCABULARY DON'T YA START, YA

MEET PAUL, YER NEW MECH! HE'S OUR FUSSIEST 5- QUARTER SPECIALIST! HE'S -TAKE GOOD CARE O' YA! GEE... THANKS, GUYS! REG'LAR PM IS ALWAYS REJUVENATING! I MAY NOT BE NEW -- BUT I'M SURE NOT READY FOR THE BONEYARD YET! sometimes to keep your 5-quarter on "The best" means fussy PMthe road. Preventive Maintenance. This PM is Until a new replacement vehicle mostly just what the TM's and LO

best with what you've got.

comes along, you'll just have to do the already spell out. Anything less spells trouble.



Good Ignition Needed...

And grittin' your teeth is no help, either. Fact is, trying to get along with small problems only leaves the door open to bigger problems.

Let's say, f'rinstance, that your 5quarter's got no poop in a pull. Or it starts hard. Or both. Could be caused by bum spark plugs. Even wrong plugs.



Maybe a couple of the spark plug cables have pooped out—burned up from resting on that sizzlin' hot exhaust manifold.



So you're not getting fuel ignition in all 6 cylinders—the fuel's not catching fire. OK, so that's the reason for poor power and hard starting.

But did you ever stop to think what's happening to the fuel that's not getting burned?

It washes the oil off the cylinder walls. Then you've got metal-to-metal contact between your piston rings and cylinders—no lubrication. Pretty soon, worn out rings and—worse—one shot engine block.

THINK WE'RE IN BAD SHAPE? YOU SHOULD SEE TH' BLOCK!

Get the message? When you troubleshoot— and solve—ignition problems, you not only enjoy better engine operation, you actually stretch the life of your engine.

Clean Air Cleaner...



Adjust Your Carb...

Too much fuel comes, too, from not keeping your carburetor adjusted right. An over-rich mixture of fuel and air only gives you operating trouble, but—in the long run—it's fatal for your engine.

Piston rings and cylinders are not the only things that suffer when poor PM allows fuel to go unburned. That fuel goes on down into the crankcase. It thins the oil, so your crankshaft, cam shaft and other bearing surfaces get real burn lubrication.

Your own nose will tell you when fuel's getting into the crankcase. Just sniff the dipstick when you're checking your oil. You may be able to feel the difference with your fingers, too.

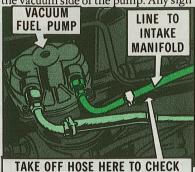


Check the Vacuum Pump...

When you suspect your oil's being screwed up with fuel-and you've checked out all possible reasonsthere's one Sneaky Pete you may not've thought of-your vacuum-fuel pump.

Your pump may be working just fine—pumping fuel up to your carburetor. But it could be leaking fuel into your crankcase, too.

Check it. Pull off one end of the line that runs from the intake manifold to the vacuum side of the pump. Any sign



of oil in the line-where only air is s'posed to be going through—means your pump's got a leaking diaphragm. If oil's getting into the pump from the crankcase, fuel is probably getting into the crankcase from the pump.

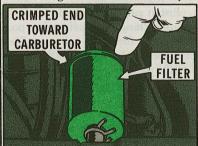


A perfect fuel pump and properly adjusted carburetor won't solve all of your fuel problems.

A plugged fuel filter stops the whole show. ... PLUGGED FILTER, SIR!

Besides putting on a new fuel filter at every 4,000-mile-or-6-month interval, you can save yourself operating misery by checking the filter in between times. Just take it off, shake the fuel out of it, wipe off the end that goes toward the carb and blow through it. Blowing through opposite from the way the fuel flows may get out any dirt that's giving you trouble.

Make sure, though, that you put the filter back on right. The crimped end of the can goes toward the carb. If you



get the filter on backwards, dirt will stop it up a lot quicker.

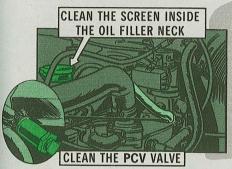
Clean that PCV...

valve—Positive Crankcase Ventila- valve. And you put in a new PCV valve tion valve. And the wire mesh tube every 12,000-miles-or-12-months. just inside the rocker arm cover where you put engine oil in.

months service is cleaning the PCV it in solvent. valve, the wire mesh and the hose that

Also often overlooked is the PCV runs from the oil filler tube to the PCV

But you'll save yourself from poor engine operation by checking the PCV Part of your 4,000-miles-or-6- valve more often. Take it off and clean





21/2-TON MULTIFUEL TRUCK . . .

TOO MUCH FILTER

When you're ordering the air filter element for the M35A1 and -A2 Intake, NSN 2940-00-129-5339, listed series, be sure that's all you ask for. It's on page 37. This'll bring you the who-Filter Element, NSN 2940-00-804-7898, on page 38, TM 9-2320-209-20P ment, gasket, head and latch. (Oct 72).



JUST ORDER THE FILTER ELEMENT—OR HOW ABOUT WASHING THIS ONE?

Some guys are ordering Air Cleaner, o-o-ole thing—shell assembly, ele-

And remember—that element's washable, so maybe you won't have to replace it after all.

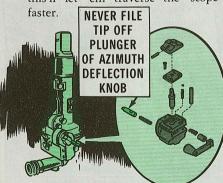






Not every "field fix" improves the equipment. Sometimes fixing a \$2 part "fixes" a \$2,000 item. But good! It has to go to depot for overhaul.

F'rinstance, some SP howitzer crewmen have been filing or grinding the plunger point off the azimuth deflection knob assembly. They think this'll let 'em traverse the 'scope



First off, the panoramic telescope's operation and maintenance of your off limits to you for teardown maintenance. Second, filing off the point's not the answer for fast swinging 'scope action.

> Step 8, Table 2-6 in Ch 1 to TM 9-2350-217-10 (Dec 69) has the word. The plunger clicks off every 5 mils it's turned when the azimuth deflection knob is in the DIRECT position. You can't use the 'scope for this operation if the plunger point's missing.

When you put the azimuth deflection knob in the INDIRECT position, the plunger is disengaged and you get a no-click, smooth, fast 'n' easy operation.

Smart PM is keeping your hands and tools out of places they don't belong.

Follow the TM and ask questions about field fixes before you make 'em. It saves downtime and parts.

M551 SHERIDAN—

AIR CLEANER **FILTER FACTS**

cleaner on your Sheridan or you'll get 230-20-1 (Feb 75) on pages 2-128 and one as soon as support lays MWO 9- 2-129. 2350-230-40-5 on you.



. YOU'LL NEED THIS NEW FILTER ELEMENT

The only tricky thing about this is that you'll need a different filter element once the pre-air cleaner has been put in.

The element you need is NSN 2940-00-052-6033 (P/N 11662983).

Organizational maintenance on the 230-24P/1.



Either you already have a pre-air new filter is covered in TM 9-2350-



If you have the old set-up without the pre-air cleaner, stay with replacement filter NSN 2940-00-782-1264 as



listed on page 156 on your TM 9-2350-

FILTER FOLLOW THROUGH

Now you can follow through on to use dry cleaning solvent or mineral servicing the filter on the electric fuel spirits paint thinner and dry with lowpump of your Sheridan per- pressure air. sonnel/coolant heaters.



On page 2-27 of your TM 9-2350-230-20-1 (Feb 75) it says to clean the filter quarterly. On page 2-277 it says

But nothing tells you how to get another gasket in case it gets ruined when you take the pump apart or where to get another strainer if you find the one in the pump is shot.

So, here's the good news: Order Gasket NSN 5330-00-741-3774 and Strainer NSN 2910-00-679-9721.

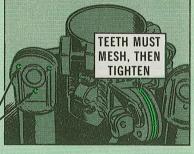








MT-2958 () TRIPOD



Also, be sure the tripod gear teeth mesh before you tighten the leg locks. This can help you save rivets, gear teeth and bolts.

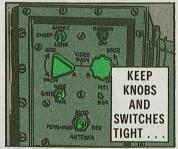
After you get the tripod set up, anchor it to the ground with spikes, sandbags or some other handy heavy objects. This'll keep your Pipsy from getting tipsy in the wind.

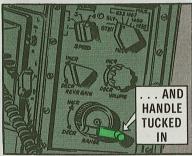




C-4610 () CONTROL-INDICATOR

switches and knobs have a way of horn working loose. Tighten them and dab the screws with adhesive sealant NSN 8030-00-081-2338 (50-cc). Regularly inspect 'em to see that they're doing their thing . . . holding firm.





If you're putting the viewing hood on the control-indicator, take care when it comes to the RANGE switch. You can damage or break the switch. 12 (Jun 67).

Same goes for the RANGE crank. sticking out, especially when you the handle over and tuck 'er in.

Take care of the exposed waveguide horn window, and keep it clean. If it The C-4610() control-indicator's gets broken, you'll have to replace the



Since the Pipsy-5's gears are plated they need no lube, graphite or the like. Putting grease on the gears can bind 'em and knock out your set.



The BB-622 battery is a rugged power pack, but rough handling can puncture the cells. Damaged cells can kill the battery and maybe injure you from splashed electrolyte.



One warning you better believe is that on electromagnetic radiation on page A-B in Ch 2 to TM 11-5840-298-

Never stand closer than 2 feet in It'll get broken if the handle is left front of the radar set for more than 10 minutes when it's transmitting. If you replace the C-4610() cover. So, fold feel the slightest warming effect, move away, pronto!

TIPSY ANTENNA ELEMENT TIPS

When you're touchup painting your AN/TPS-21 or -33 radar set, keep PM, remember: Never use the ATthose brush bristles away from the AT-808 antenna element's window break it slots

Painted slots will make for poor performance of the equipment.

So, back off with the paint and make sure the element has a warning decal or stencil-DO NOT PAINT SLOTS—like it says in TB 43-0001-9-4 (Aug 74).

While you're at remembering good 808 for a handle. You can bend or

Heed the big letters on both sides of the element—NO HANDLE.





GETTING A CHARGER ADAPTER



Dear Sergeant J.W.S., There's no NSN for the NATO (or United Kingdom) adapter, and it's not in the Army supply system as a separate item of issue.

You can get one through cannibalization, or by replacing the charger, NSN 6665-00-542-1177, which costs \$12. Or you might ask your supply support to order an adapter for you from the manufac-

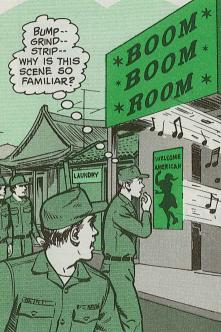
BE SURE TO INCLUDE THE FULL MODEL NUMBER OF YOUR CHARGER



MACHINE

BUMPE

GRIND AND STRIP



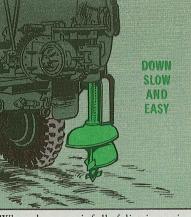
Those words sound out of place when you're digging post holes? They

Some guvs raise the auger out of a against the housing. After a few of these bumps, you hear the grind of stripped gears.

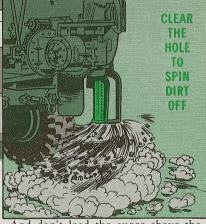
sure are.

Slamming the auger doesn't give the friction clutches time to disengage, and the gear teeth get sheared.

Slow and easy is the way to go.



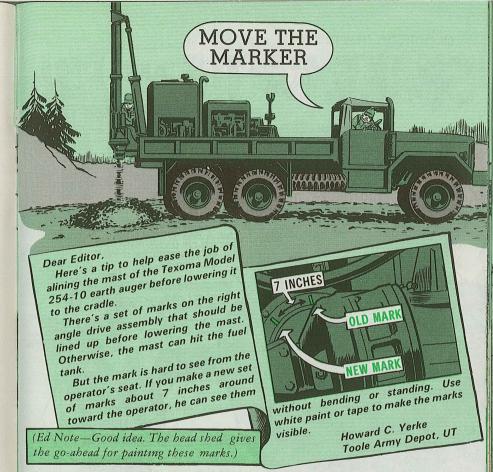
When the auger is full of dirt, just raise it clear of the hole and spin the dirt off.



hole they're digging and slam it And don't load the auger above the bumper spring.

> Save the bumps and grinds for the Boom-Boom Room.

TM 9-2320-209-10 (Feb 65) and Changes 1-10 give you the scoop on operating your auger.



WATER CAUTION DECALS

The warning decal for water purification units mentioned in PS 266 on page 65 now has other uses.

You can add the decal to any piece of equipment that has water left in its pipes after shutdown and is likely to freeze . . . like CO2 generating and charging plants, portable 8showerhead bath units and M532 single trailer mounted laundry unit.

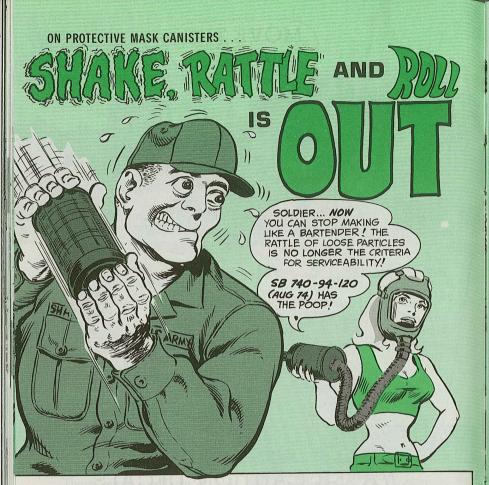
To get the decals, write to:

Commander

US Army Troop Support Com-

ATTN: AMSTS-MFP 4300 Goodfellow Blvd St. Louis, MO 63120

In a hurry? Call AUTOVON 693-2503.



Shaking may be OK for medicine, milk shakes and some cocktails, but it really doesn't do much for the canisters on your M24, M25, or M25A1 protective masks.

Sure the TM's on the masks say to give the canisters a shake to test for the rattle of loose particles inside. Then, if a roll of particles results, the canister's no good. However, new inspection criteria make it easier to decide when to replace the canisters by taking the shakes out of inspections.

Now, you tank and aircraft CBR types replace the canisters on the masks only for major defects such as rust or mechanical damage.

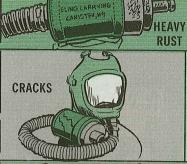
So, during your next scheduled operator PM, check these critical areas.

Eye the canister nozzle for damage, heavy rust or loose connection with the canister.

Cracks, breaks or other damage or dents over ¼ inch deep. Dents under ¼ inch deep are not considered defects.

Rust or pitting over large areas of the canister body.

Over 10 per cent of the seams or joints covered by corrosion, pitting or scale rust.



CORROSION



SOMEBODY OUGHTA TELL HIM THERE'S A BETTER WAY!

Valve disc fails to cover the entire opening at the inlet end of the canister.

That's it. Shaking is out. As long as the canister lot number is good in SB 3-30-2, Serviceability Lists for Protective Mask Canisters and Filter Elements (Jul 74), and no major defects are found during inspection, the canister is usable.





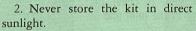
A new TM on the masks will have the new inspection criteria. Until then, get a copy of SB 740-94-120, Storage Serviceability Standard for Protective Masks (All Items) and Ancillary Items (Aug 74). This pub has the new inspection material and more info on the masks. It'll save you lots of time and effort during your next inspection.



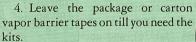
Heat won't ruin the kit, but it will affect how well the kit works. And if the situation calls for that kit . . . you want it working to the max! Here're some ways to help the M13 keep its cool . . . 1111



1. Check your storage area. If the temperature tops 120° F, heat becomes an M13 killer.



3. Before you lay the kit down, touch the surface with your bare hand. If the spot is too hot for your hand, it's too hot for the kit.



5. Keep the kits away from flammable materials in storage.

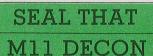
6. If you're storing kits in a warehouse, put them on pallets with the pallets separated by at least 5 inches.



Next time you're giving that M12A1 decontaminating apparatus the PM once-over, check the seams. There may be leaks from cracks or seams in the tank unit.

The leaks usually occur under the tank drain valve in the welded seam which joins the side and bottom of the tank. Leaks can also start in cracks in the tank wall.

If you've got a leakage problem, check Chapter 4, para 4-8 in TB 43-0001-36-3 (5 Jul 74), for a quick fix. That's the EIR and Maintenance Digest: Chemical Equipment.



GETS THE 2-STRAND COPPER WIRE LEAD SEAL USED ON THE MII DECON APPARATUS

CHECK ALL SEAMS

AND LOOK FOR

CRACKS IN TH'

TANK WALL!











This is a selected list of recent pubs of interest to organizational maintenance personnel. This list is compiled from recent AG Distribution Centers Bulletins, For complete details see DA Pam 310-4 (Nov 74) and Ch 1 (Feb 75), TM's, TB's, etc.; DA Pam 310-6 (Jul 74), and Ch 1 (Jan 75), SC's and SM's; and DA Pam (C) 310-9 (Aug 74), COMSEC Pubs.

TECHNICAL MANUALS

TM 746-234 Apr Preser & Pkg Redeploy Retrograde Materiel, LCSS
TM 3-6665-303-10 Feb Calculator ABC-

TM 5-4210-213-24P Mar Fire Truck Pumper; 500-GPM 400-Gal Tank
TM 5-4320-234-12 Mar Centrifugal GED 1500-GPM (Peabody Barnes US90CCG-1) TM 5-4930-230-13 Mar Tank-Pump Unit Truck Mount Advance Ind 1100
TM 5-5420-203-24P Mar Bridge Armored-

Vehicle Launched: Aluminum 60-Ft for use with M-48 and M-60 Launcher TM 5-6115-425-20P Apr Diesel Generator

Set 60KW 120/208-240/416-V SF-60MD/CIED and HF60MD TM 9-1015-200-ESC Mar 81-MM Mortar

TM 9-1315-249-12&P Apr 81-MM Mortar Training Device

TM 9-1425-380-10-1 Mar PERSHING TM 9-1425-470-L Apr Pubs for TOW TM 9-1425-550-L Mar List of Pubs for LCSS TM 9-1430-486-24P Mar LANCE

TM 9-1430-532-14P Apr IMPROVED

TM 10-3930-632-12 Apr Fork Lift Truck GED 2000-Lb Cap, Army Model MHE-229 TM 11-4940-202-24P Mar Electronic Shop

TM 11-5805-347-24P Mar Telephone Term AN/ETA-15A

TM 11-5805-647-14 Apr Order Wire Inter-

comm Termination Units
TM 11-5810-271-12P Apr TSEC/KG-30/33/34 Series Ennts

TM 11-5810-272-12P Apr TSEC/KG-31/35 Series Eapts. TM 11-5810-274-12P

20A/33A/34A Series Eqpts TM 11-5810-275-12P May TSEC/KG-31A, TSEC/KG-31A-2, -31A-12 TM 11-5815-283-12 Mar AN/FGC-70. -70X

teletypewriter sets
TM 11-5815-305-14P Mar PP-3424A. B nower sunnlies

Ch 3, TM 11-5815-334-12 Apr AN/GRC-142(), -122(), radio teletypewriter set Ch 3. TM 11-5820-598-12 Apr AN/FRT-76 radio transmitting set Ch 3. TM 11-5820-599-12 Apr AN/FRT-77

radio transmitting set Ch 3. TM 11-5820-601-12 May AN/FRR-79 radio receiving set Ch 1, TM 11-5820-820-12 Apr AN/URC-80

TM 11-5825-231-24P-1 Apr Direction Finder Sets
TM 11-5895-241-20P Apr Commo Control

Set AN/FSW-8(V) Ch 2. TM 11-5895-441-10 May AN/GLQ-3 countermeasures set

Ch 2, TM 11-6130-250-15 Apr PP-4127/U battery charger Ch 2, TM 11-613C-266-15 Apr PP-6224/U

power supply Ch 1. TM 11-6140-203-15-1 Apr Nickel-Cadmium Batteries (general)
Ch 2. TM 11-6140-203-15-2 Apr Aircraft

Ch 2. TM 11-6140-203-15-3 Apr Nonair-

craft Nickel-Cadmium Batteries
Ch 3, TM 11-6140-208-15 May BB-451/U storage battery Ch2.TM 11-6140-214-15 Apr BB-643/PPS-

5 battery assembly TM 11-6525-202-12 Mar X-Ray AN/TAQ 2 TM 11-6615-204-12 Mar AN/ASW 12(V) 2

auto flight control system
TM 11-6625-230-24P Mar Meter, Audio Level ME-71/FCC series TM 11-6625-412-24P Mar Radio Test Set

TM 11-6625-648-24P Mar Test Set

TM 11-6660-228-10 May Radiosonde Set Ch 8. TM 55-1510-201-10/4 Apr U-8D. RU-

Ch 3. TM 55-1510-209-20/2 Apr RU-21B

Ch 6. TM 55-1510-209-20/3 Apr U-21G and

Ch 1. TM 55-1510-209-20P Apr U-21 series Ch 1, TM 55-1520-214-20 Apr OH-6A Ch 1, TM 55-1520-217-CL-1 Mar CH-54A

Ch 1, TM 55-1520-228-20P Apr OH-58A 55-2300-216-15-1 May Transport Guidance Artillery M107, M110, M110E2 55-2320-233-15-1 May Transport Guide Cargo Truck 8-Ton

AR 220-1 Mar Unit Readiness Reporting AR 710-13 Apr Forecast of Dry Battery

CTA 50-913 May Office Furniture,

DA Cir 700-18 Mar Preventive Measures For Improved Army Logistical Support DA Form 2715 Jan Replaces DA Form 2715, 1 Jul 73 which is obsolete. (AR 220-1) DA Pam 750-32 Apr M551 Sheridan PM FM 38-24 May Classes of Supply

FM 10-526 Apr Airdrop Rigging 5-Ton

LO 10-3930-632-12 Feb Fork Lift Truck GED 2000 Lb. MHE-229

GED 2000 Lb. MHE-229
TB 34-9-345 May Helicopter OH-58 Series
TB 9-1315-248-20 Mar Inspect 105-MM:
APDS-T, M392-Series M60A1 Tank (C) TB 11-5810-214-14-2 Feb Gen Maint

Info TSEC/KW-26 ((C) TB 11-5810-222-14-2 Mar Gen Maint Info TSEC/KG-3/13

(C) TB 11-5810-225-14-2 Feb Commo-Sec TSEC/KY-3/3A (III)

TB 11-5810-227-14-2 Apr TSEC/HW-8 COMSEC Equipment

TC 17-15-2 Mar Maintenance Tips For

Sign Off Red X

The entries on the DA Form 2408-13 on page 37 of PS 272 (July 75 issue) are way out—and off. Ignore 'em. The point is, make sure aircraft grounding conditions have been corrected and noted in block 18 and signed off on by an everything except electrical items. inspector. The mechanic's signature in block 19 and his initial over the status symbol in block 16 are also required.

CUC Helmet Repair Parts

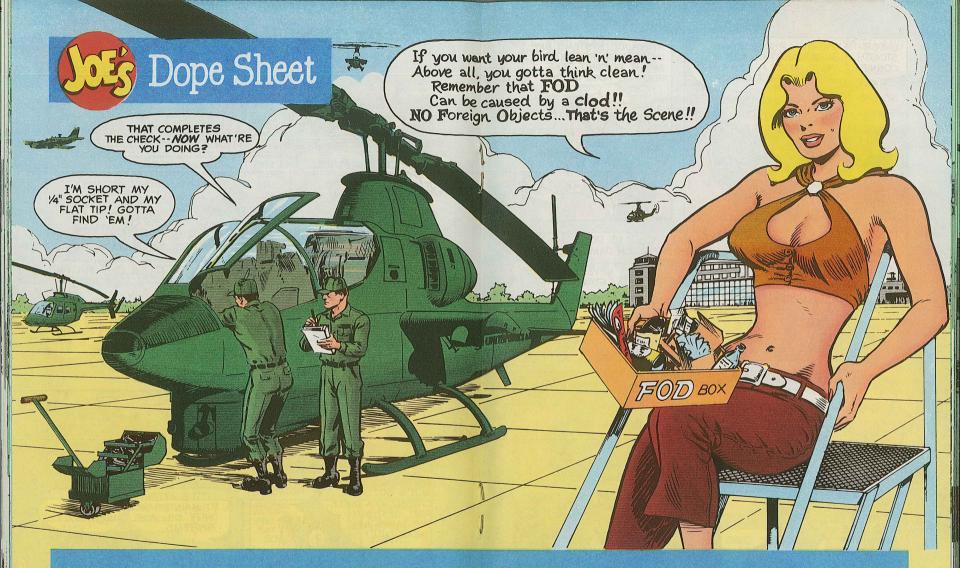
Have some DH-132 combat vehicle crewman's helmets you can't get repairs for?

Sweat no longer-TM 10-8400-201-23, Ch 3 (Oct 73), has the parts and numbers for

Electrical components of Headset-Microphone kit MK-1697/G are in TM 11-5965-286-14 (Jan







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

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





A CONTAMINATED SYSTEM
HAS RESULTED IN EMERGENCY
LANDINGS WHEN
THE CONTROLS FROZE
INTERMITTENTLY...

AND





PLASTIC CAPS AND PLUGS TO COVER DISCONNECTED LINES ARE IN SUPPLY, YOU'LL FIND YARIOUS SIZES IN THE BULK MATERIALS LISTING IN YOUR PARTS PUBS.

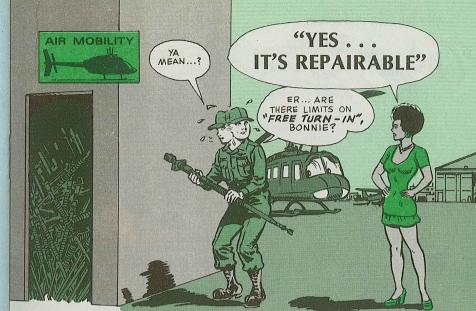


IF TECH SUPPLY
15 FRESH OUT,
THO, USE
ALUMINUM
FOIL TO CAP
LINES AS SOON
AS YOU
PISCONNECT
THEM.

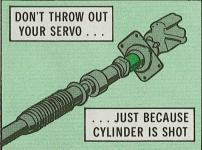








Keep turning in the servos on your UH-1, Huey types, because they can be overhauled.



'Course the SMR code (source, maintenance and recoverability) in TM 55-1520-210-20P (Apr 74) says that servo cylinder, P/N 204-076-052-9, is not recoverable. That cylinder, tho, is only part of the servo cylinder assembly, P/N 205-076-038-7, NSN 1650-00-183-4426, which is recoverable.

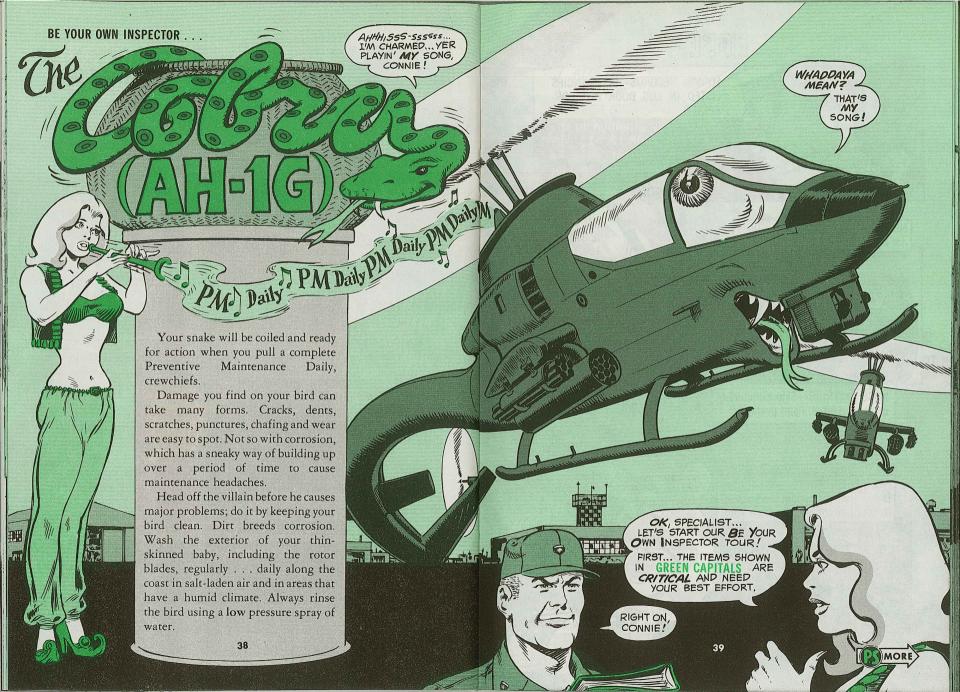
So, if both part numbers are stamped on the data plate, use only the assembly number on your paperwork.

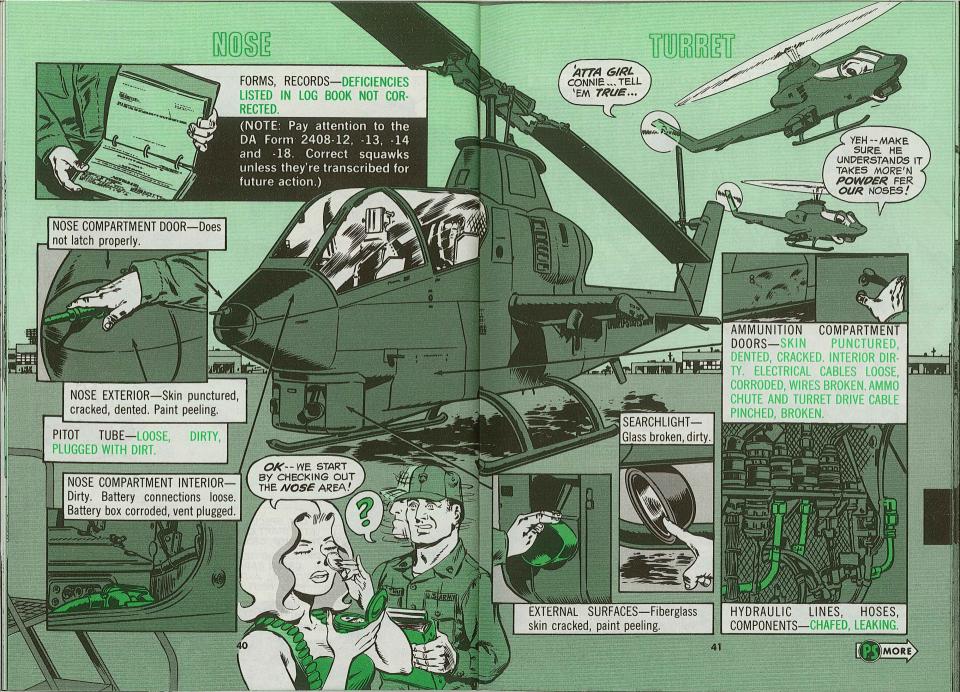
That's the way to help keep the supply pipeline filled.

NO LIMIT

Skip the 2-year replacement of Cobra (AH-1G) seat covers called for on Page 3-25.3 of TM 55-1520-221-20 (Sep 71). The pub is being changed. The entire twenty-two hundred hour inspection is kaput. Unlike other covers stretched between metal tubing, the Snake cushions carry the load. Replace the covers on a condition basis.

37





NOW CHECK OUT THE COCKPIT AREA FOR LOOSE OBJECTS! AND...

GUNNER

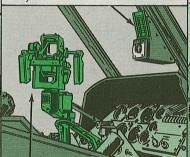
200 PROOF

PM!

PLEXIGLASS—Scratched.

(NOTE: Never use solvent to clean transparent plastic or you'll craze the plastic. Those minute cracks will turn the plastic hazy and ruin it . . . those big canopies don't come cheap!! Use transparent plastic polish, NSN 7930-00-634-5340, to clean the plexiglass.)

COMPASS CORRECTION CARD—Dirty.



GUNSIGHT—Loose. Moisture in lens.

COCKPIT INTERIOR—Dirty. Loose hardware, tools, clothing.

FOD BOX

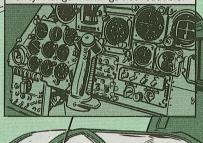


(NOTE: Remove any objects that could jam any controls. Stow personal gear in the authorized space behind the pilot's seat.)

PILOT GOGKPITS

INSTRUMENTS—Gage lenses loose, dirty. Range markings not readable.

FIRST AID KIT—12-mo inspection overdue. Seal broken.





STORAGE COMPARTMENT—Cargo straps behind the pilot's seat broken.



FIRE EXTINGUISHER—6-mo weight test overdue. Seal broken.



DOORS-DO NOT LATCH PROPERLY.

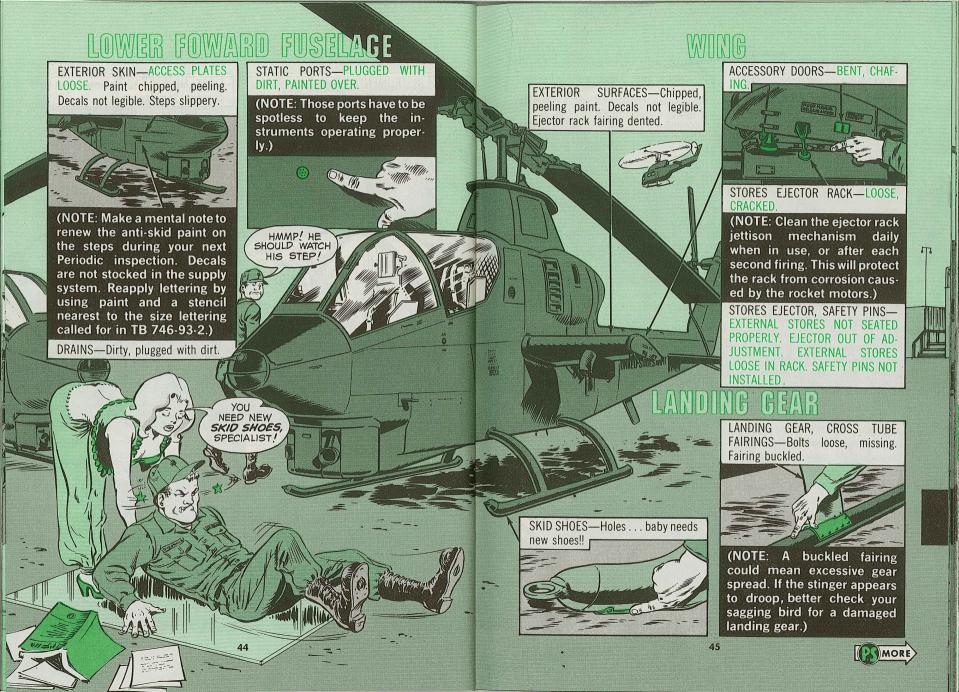


WHAT

DID SHE

POP

OUT



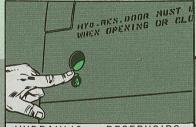


PYLON AREA

SWASHPLATE. SCISSORS. SLEEVE-NICKED, CRACKED, COR-RODED.



SCISSORS DRIVE LINK BEARINGS LOOSE

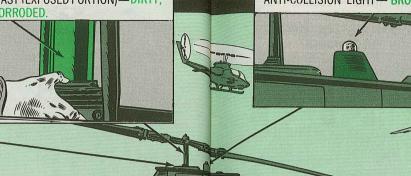


HYDRAULIC RESERVOIRS. MODULES, LINES, HOSES IN HYDRAULIC COMPARTMENT— LOOSE, chafing, LEAKING.

(NOTE: Re-position lines to remove any chafing problems. Follow the line routing and clamping poop in TM 55-1500-204-25/1 on general practices.)



MAST (EXPOSED PORTION)—DIRTY, CORRODED.







(NOTE: Empty the hydraulic accumulator for a check of the #1 system.)

HYDRAULIC MODULE FILTER INDICATORS—BUTTONS POPPED.

ANTI-COLLISION LIGHT—BROKEN.

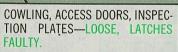


SNEAKY

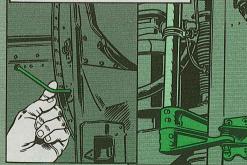
ONE!

OUCH! HERMAN--YOU GOTTA GET THAT ANTI-COLLISION LIGHT FIXED!

> YER RIGHT, JONATHAN!



UNITED STATES ARMY







ENGINE INLET HOUSING, AIR DUCTS, GUIDE VANES, COM-PRESSOR BLADES—OIL STREAKS. FOREIGN OBJECT DAMAGE.



EYEBALL -- INLETS CAREFULLY ... THEY'RE A

GREAT SOURCE OF

FOD PROBLEMS!



RIGHT ON CONNIE!

SEE WOT YA MEAN!

DUNNO -

UFO??

HEY FRED!...
LOOKIT!! WHAT'S
TH' FUNNY
BLIP ON TH'
SCREEN.

TRANSMISSION, CONNECTIONS— CRACKS, OIL LEAKING.

TUATORS LOOSE

ACTUATORS—SCREEN DIRTY, AC-

TRANSMISSION EXTERNAL OIL

FILTER BYPASS INDICATOR—

FILTER ELEMENT CLOGGED.

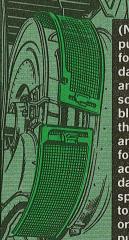
MAIN (INPUT) DRIVE SHAFT COUPLINGS—GREASE LEAKING. CLAMPS CRACKED, LOOSE





SCREEN,

(NOTE: Eyeball the transmission sump for water contamination as you check the oil level. The lift link should be tight. Look for cracks in the lift link lugs and focus in on the right link lug in the bushing area.)

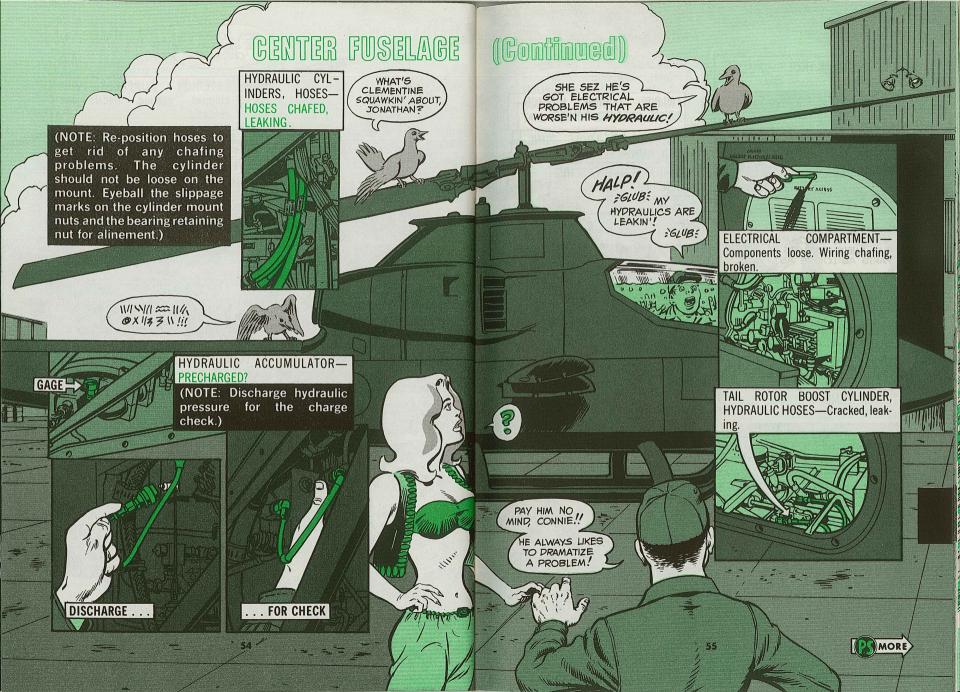


FOD SCREEN—BROKEN

(NOTE: Replace a torn or punctured screen because foreign objects can enter and damage the engine. If grass and other debris are on the screen pull a special grass blockage inspection. Remove the top half of the separator and eyeball seals and gaskets for tears, rips and lack of adhesion. If the separator is damaged disassemble, inspect and clean it according to the poop in the bird's organizational maintenance oub.)

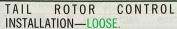








TAILBOOM

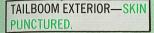




(NOTE: Make with the and fingers, flashlight crewchiefs, and focus in on the sprocket, chain and cables. The parts should be clean with no breaks or other damage. The speed rig barrels have to be safetied.)

TAIL ROTOR CROSSHEAD NUTS. **BOLTS—RETAINING NUTS AND BOLTS NOT SAFETIED.**

TAIL ROTOR HUB. BLADE—HUB LOOSE. BLADE DENTED, CRACKED.



ELEVATORS, TAIL SKID-LOOSE. RIVETS LOOSE, MISSING.

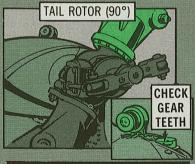
(NOTE: Move the elevators inand-out and up-and-down to check for excessive play.)

TAIL ROTOR DRIVE SHAFT—LOOSE. LOOSEN





GEARBOXES-LOOSE, LEAKING, OIL LEVEL LOW.



(NOTE: Check the gear teeth for scoring by looking thru the filler cap. When adding oil to the gear box, or any reservoir for that matter, never overfill the system. Otherwise, you could blow some seals ground your bird.)





UNITED STATES HAH! YOU

GOTTA

WATCH

FER



FITTING

(NOTE: Plant your mitts on the shafts to check for security. Eyeball the shafts, hangers. coupling clamps and covers for scratches, dents, cracks and other damage. Look for grease leakage and protruding seals. The area should be free of any foreign objects.)





POWER ON GRECKS

PITOT HEATER—TUBE COLD.



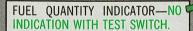
CAUTION PANEL LIGHTS—DO NOT WORK ON TEST SWITCH POSITION.



INTERIOR LIGHTS—COCKPIT, IN-STRUMENT LIGHTS NOT WORKING.



EXTERIOR LIGHTS—NAVIGATION, ANTI-COLLISION, SEARCH LIGHTS INOPERABLE.



ENGINE CONTROLS—NO FREE MOVEMENT THRU FULL RANGE. IDLE STOP RELEASE AND GOVERNOR RPM ACTUATOR NOT WORKING.

MAIN FUEL FILTER—NO INDICA-TION ON CAUTION PANEL. FUEL LINE LEAK WITH BOOST PUMPS ON.

PARTICLE SEPARATOR—NO AIR FLOW FROM OVERBOARD VENT DURING ENGINE OPERATION.









LUBRICATION SERVICE



Lube the tail rotor blade grips, and service your baby with fuel, oil and hydraulic fluid.

Page thru the log book to make sure all forms are up to snuff and sign off the Daily . . . then, your bird's ready for the wild blue.





ON YOUR DA FORM 24-08-9

Dear Half-Mast,

I have a DA Form 2408-7 and 2408-8 in my logbook for the 106-MM recoilless rifle. The NSN, serial number and model number have

Do I initiate both a loss and a gain changed. report? If so, what codes do I use? Is an acceptance report required? The note under para 4-9b(2)(a) of TM 38-750 leads me to believe one is required.

Also, what happens when an item of equipment has been added to Appendix E for the first time? Do I make up both an acceptance and gain report? SSG W.E.B.



Dear SSG W.E.B.,

When the NSN, serial number and model number are changed on an item, make sure the new model is listed in Appendix E, TM 38-750.

If it is listed, submit a loss report on DA Form 2408-9 using code "N". Put the old NSN, serial number and model number on the form, and destroy the logbook copy.

Send in a gain report, DA Form 2408-9, with the new NSN, serial number and model number. Use code "T". Mark the logbook copy as the permanent copy and file it in the logbook.

You do not make a new acceptance report.

If the new model is not listed in Appendix E, send in a loss report on the old NSN, serial number and model number.

You submit only a gain report using code "U" on equipment that has been added to Appendix E.

An acceptance report is submitted only when an item requiring logbook forms is first accepted into the Army inventory.

Half-Mast

602277 BCO, 4th Bn, 5th Int 3 DOGATION 9, NC 2830 1 WHY 12 CO CODE 8. NATIONAL STOCK NO. 1015-00-133-8485 9. SERIAL NO. 43 MHOAH le Recoilless TYPE REPORT ACCUPATION OF THE SECURITATION b. MILES 20. RECEIVED FROM RECEIVED FROM UIC c ROUNDS 1038 OTHER

IF THE NEW MODEL IS LISTED IN APPENDIX E OF TM 38-750. SUBMIT'A GAIN REPORT WITH THE NEW NSN. SERIAL NUMBER AND MODEL NUMBER, USE CODE T FROM APPENDIX A. TABLE A-20.

22, INSPECTOR'S SIGNATURE	23. JULIAN 0412 / 3
EQUIPMENT CONTROL RECORD For use of this form, see TM 38-780; the proponent agency is the Office of the Deputy Chief of Staff for Logistics.	REPORTS CONTROL SYMBOL CSOLD - 1608
DA 1 FORM 2408-9 REPLACES DA FORMS 2408-7, 1 JAN 64, AND 2408-8, 1 JAN 64, WHICH ARE OBSOLETE.	NMPCOPY

You probably thought logbooks, combine the logs into 1 logbook like fatigues, pretty well fit a standard binder? If so, then go with 1. Use a DA logbooks to suit your own equipment on the different items. situation.

system—like a RATT rig, truck and separate logbook binders. generator, or a generator, trailer and pumps.

Do you keep 1 logbook binder with the equivalent of 3 or 4 logbooks in it, or separate logs?

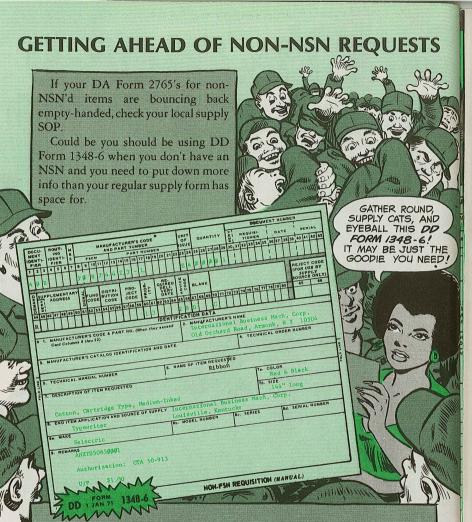
It depends on you. Either way you're covered by TM 38-750. Is it easier to

College Commence and Commence a

pattern. Not so! You can tailor Form 2408-10 as an index to keep tabs

But, if you use 1 or more of the items Maybe you have several items of for more than 1 set or system, then it's equipment that really operate as a probably easier to keep the items in





DD Form 1348-6 (Jan 71) is called Non-NSN Requisition (Manual). A lot of guys never check to see if they can use the form because it's called a requisition rather than a request form. But they could be missing out on a good thing.

Some supply systems, like DLOGS, authorize the form for all users. Others may have the form and its use covered by local SOP.

Generally the form is a one-time only affair. However, if it is authorized for use, support may follow up with a preprinted form for your next request. If not. just keep using the DD 1348-6.

... AN' IT CONNIE . CONCERNS GOT A Connie's MAINTENANCE A COBRAS Mini Minis Roll Bar Kit

Drivers can now get protection from roll-over accidents

order retrofit kit NSN 3805-00-574-7599 from US Army Tank-Automotive Command, ATTN: AMSTA-FDIS. Warren. MI 48090. Use an it's still good! exeception data type request since this number's not on the AMDF vet.

When your ROPS—Roll Over Protective Structure—kit arrives, send it and the scoop loader to your support unit for installation. The instructions are overpacked in each kit.

After retrofit, change the NSN of your scoop loader from 3805-00-051-9359 to 3805-00-617-7091. Your authority for the kit is OSHA-Occupational Safety and Health Act—29USC651 and Executive Order 11612.

Change in the NSN requires that you send in DA Form 2408-9, Equipment Control Record, per Para 4-9, TM 38-750.

RJ Crane Steering Kit M

If your Model 2380 or 2385 rough terrain crane is deadlined for lack of a \$700 selfcentering steering cylinder, hear this: There's a Parts Kit, Steering, NSN 2530-00-410-5647, at \$200, RIC S9C, in TM 5-3810-232-35P. Clue your DSU fastest.

If the cylinder is just leaking, order rod end seal kit. NSN 5330-00-250-5708 (\$8.88). Also 2 available is tube cylinder kit, NSN 2530-00-470-6423, at \$197.

If you've been using DA Cir 700-24, Supply and Maintenance Procedures for Direct Exchange Units with the 645M scoop loader should (Oct 73), forget the 22 Apr 75 expiration date on the pub. Change 1 (March 75) to DA Cir 700-24 extended the pub to 22 Apr 76. So, hold onto it:

Your lightweight poncho takes a full pound of dead weight off your aching back! You can repay the favor by giving it an ounce of care.

Never wash in a machine—the waterproof coating will peel right off.

Never use adhesive tape to secure the poncho-it'll peel the coating off.

Wipe off any oil, grease, acid or insect repellent as soon as possible.

Read and heed the info in TM 10-276. Hot Weather Clothing and Equipment (Aug 70). You simply wipe the poncho clean with a cloth, or wash with water and mild soan or detergent. Rinse thoroughly.

Dry the poncho as fast as possible, but never use direct heat or the material will crack.

Repair instructions are in Chap 19 of TM 10-8400-201-23 (June 70). FM 21-15 (Aug 72) also has some good info.

Would You Stake Your Life the Condition of Your Equipment?

