





The Army's Noncommissioned Officer Logistics Program (NCOLP) is 7 an express elevator to the top for the right people.

There're hundreds of jobs open in the logistics field for maintenance and supply types in 37 MOS like 31W, 35H, 45K, 45L, 55B-Z, 63B, 63H, 63Z, 71N, 76J and 76D-Z.

The jobs are waiting and there're few NCOLP-trained people to fill them.

Sure, the jobs are demanding. Those slots operate at command HQ, major support units, depots, arsenals and commodity commands even HQDA. But, a special course at Fort Lee gears you for the new jobs, and the reward\$\$\$ are great!

PREVENTIVE

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

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

ISSUE No. 295 JUNE 1977 GROUND MOBILITY 2-11, 29-36

1/4-Ton Truck 2-3,4 2½-Ton Truck 9,11 M880 Tailgate 5 Windshield Wiper Fix 10			
14-Ton Truck	2-3,4	2½-Ton Truck	9,11
M880 Tailgate	5	Windshield Wiper	Fix 10
Radiator Cap	5	Camouflage Limit	10
Gama Goat	6,7,8	HET Tire NSN's	11
5-Ton Truck	9.11	Exhaust Smoke	29-36

FIREPOWER 12-21, 37-44

M577	12	M60A2	20-21
M578,M107,M110	12	M219 MG	37
Generator		Chaparral PM	38-41
Adjustment	13	M16A1 Rifle	-41
M551A1 Laser	14-18	TOW Trainer	42-43
M113	19	Redeve Trainer	. 44

COMMUNICATIONS

Installation Kits	22-23	AN/PRT-4, AN/PRR-9 25
AN/GRC-103	24	TD-660 Multiplexer 26,27

If you're a really sharp E6 or higher, look into the NCOLP. Your CO can nominate you for the program.

After reading Chap 13 of AR 614-200, get answers to any questions by calling the NCOLP HOTLINE— AUTOVON 221-8027. Ask for the Professional Development NCO for NCOLP.

****** Next Month In 25 ON MANAGING MAINTENANCE

YOUR HYDRAULIC MULE

MILVAN CONTAINER PM

AIK WORITHA			45-51
Engine Oil		Huey/Cobra	48,49
Coolers	45	SPH-4 Helmet	49
Kiowa Bearings	46	Maintenance	
AH-1Q	47	Platform	50-5

COMBAT SUPPORT

New Publications	28	Battery Distribution	
Turn-Ins	52-56	Panel	62
	10 mm 10 mm 10 mm 10 mm		HEER THE PARTY NAMED IN
DA Form 2406	57	MHE 209, -224	62
DA Form 3318	57	DA Form 2064	63
DA Form 2408-9	58-59	IBM Ribbon	63
Ass' It Bridge (MAB	60-61	15-CFM Compressor	64

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

MSG Half-Mast PS Magazine

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A "gasser" was something funny—a joke—a few years back.

But there's never been anything funny about a leaky exhaust system in your M151A2 or other TM-218-series 1/4-ton vehicle. A leaky exhaust is a killer! That's no joke in your TM 9-2320-218-10 (Sep 71), first page:



WARNING CARBON MONOXIDE POISONING CAN BE DEADLY

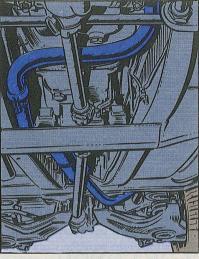
You've gotta watch your 1/4-tonner closer than most other trucks. It's lower and lighter, so it suffers more when you go scramblin' through the



brush and over rocks and stumps. Exhaust parts get loosened up-and even torn up. So watch for leaks where the pipes hook together.

EAR US NO GA

Use your eyes and your ears. Check the pipe joints for black smudges. Or for puffing sounds when the engine's running.



Never stop up the end of the tail pipe to check for exhaust leaks. You'll put a pressure strain on those pipe hookups—and make exhaust leaks where you didn't have any before.

IF THERE WEREN'T ANY BEFORE, THERE SURE IST WILL BE NOW!! I'M FIXIN' TO BE CHECK FOR EXHAUST LEAKS... WHY?



Watch that exhaust manifold close. too. It's a lightweight job-not much more than a hunk of exhaust pipe with holes in the side that match up with the engine's exhaust ports. If the manifold's just a little out of shape, it won't fit tight against the engineand then you've got an exhaust leak.

Fixing this leak calls for some special—and careful—work. If you've still got a copy of TB 43-0001-39-2 (Apr 74), you'll find all of the poop starting on page 18. This TB died in April 1975, but the same info shows up in TB 43-0001-39-4 (Jan 77) and will be in TM 9-2320-218-20.

The sealant specified for manifoldto-cylinder head mounting comes under NSN 9150-00-935-4018 (14-oz tube) and NSN 9150-00-754-2595 (1lb can).



Important! Stick to the torque specs when you're installing exhaust system parts—para 2-40 and paras 2-56 thru 2-60 in your -20 TM.

OF A LOT OF





Sixty bucks for a tiny carburetor screw?

No, but that's about what a mechanic can blow when he tears up



the mixture adjusting screw in the ¼ton truck's emission control carburetor. If he buggers up that little hex hole in the screw, even support may not be able to get the screw out. Then the carb's shot!



THIS SCREW
FINALLY CAME
OUT, BUT
IT'S SHOT—
HEX HOLE
ROUNDED OUT!

Take it easy when you set out to make that carb adjustment spelled out in TM 9-2320-218-20 (Sep 71), Ch 4, page 10, para 2-45.1.

You may find that the mixture adjusting screw is stuck and is hard to budge.

Cool it! Trying to out-muscle the screw can leave you with a ruined carburetor.

First, make sure you've got the right size socket head screw key—5/64-in.

Gently try to turn the screw. If it won't go in the direction you want, try—gently—to turn it in the other direction. Work it back and forth easy-like until you've got it free.

But, if you can't work it loose the easy way, let your Support take a crack at it.



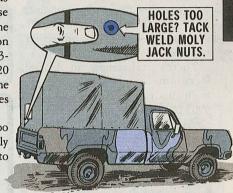


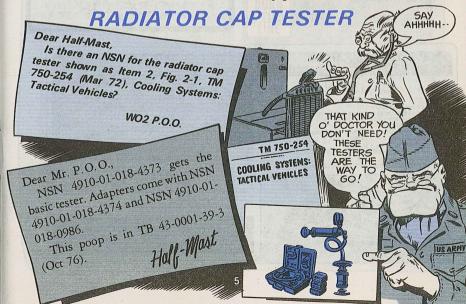
SHEESH! WOT A RACKET!

WORSE THAN TH' SOUND!

Some M880-series 1¼-ton trucks may have a problem with loose forward and tailgate metal rails in the cargo box cover kit. Installation instructions in para 3-2a(4) and 3-2a(10) of Ch 1 to TM 9-2320-266-20 say to drill ½-in holes to install the rails, but ½ inch is too large. The holes should be drilled 7/16 inch instead.

If the holes are already drilled too large, you'll have to tack weld the moly jack nuts, P/N 12255566 (19207), to keep the metal rails snug.





I CAN'T KEEP UP :GLUBS

YOU NEED A SWIMMING NSTRUCTIONS" DECAL, GAMA!

Three decals for the Gama Goat give you safety and operating info. They'll pinpoint areas that need extra caution.

Use a hearing protection decal, NSN 7690-00-510-0365, to let the driver and co-driver know protection's required.

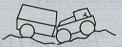
There's real danger in dangling legs, arms or objects between the tractor and carrier. A decal under NSN 9905-00-117-0248 gives the warning.

You get condensed swimming instructions on the decal under NSN 9905-01-023-7192. It's not on the Army Master Data File yet, so use an exception data supply request to order

Put these decals on your Goat, for safety's sake.

HEARING PROTECTION IS REQUIRED FOR DRIVER AND CO-DRIVER (REF. T.B. MED. 251)

DO NOT PLACE ARMS, LEGS OR OBJECTS BETWEEN TRACTOR AND CARRIER. ANY OBJECT OVERHANGING THIS BULKHEAD MAY BE CRUSHED WHEN VEHICLE ARTICULATES AS SHOWN.



SWIMMING INSTRUCTIONS REF TM9-2320-242-10

CAUTION

DO NOT ATTEMPT SWIMMING WHEN:

- 1. CARRIER IS OVERLOADED. 2. WHEN TRACTOR IS EQUIPPED WITH THREE OR MORE OF THE FOLLOWING KITS: WINCH, MACHINE GUN, RADIO, WINTERIZATION, ARTIC.
- CARRIER IS EMPTY, AND TRACTOR IS EQUIPPED WITH
 TWO OR MORE OF THE ABOVE KITS.
- 4. CURRENT EXCEEDS 4 M. P. H
- 5. WAVES ARE OVER 6 INCHES
- 7. BODY DAMAGE COULD RESULT IN LEAKAGE



- DO BEFORE ENTERING WATER:
- 1. BALANCE AND LASH LOAD SECURELY
- 2. ASSURE TAILGATE SEALS.
- VERIFY BODY ACCESS COVERS, FUEL CAPS, PLUGS AND ALL WHEEL PLUGS ARE INSTALLED.
- 4. REMOVE AND STOW CANVAS.
- PUT ON LIFE PRESERVER.
- DO WHEN ENTERING WATER

- 2. TURN ON BILGE PUMP. 3. ENTER SLOWLY 2 M. P. H. AND 26° MAX. SLOPE.
- WHEN VEHICLE IS FLOATING SHIFT TO 3RD GEAR, THEN ACCELERATE TO 19 M. P. H. SPEEDOMETER READING.

CAUTION

DO WHEN OPERATING IN WATER:

- 1 AVOID SHARP TURNS.
- 2 AVOID CROSSING WAKE OF OTHER CRAFT

DO WHEN LEAVING WATER: 1. BEFORE TOUCHING SHORE, SHIFT TO 1ST GEAR 2. EXIT SLOWLY UP SLOPES OF 22° MAXIMUM.

TURN OFF BILGE PUMP

Battery Removal . . .

YEOW --FIREWORKS!

SAVE THE FUEL LINE

... AN' YOU'VE BURNED CLEAR THROUGH THE FUEL LINE!

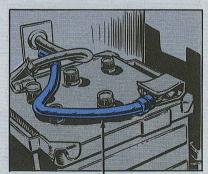
IF YOU WANT TO FUEL FLOWING,
DISCONNECT THE
RIGHT-SIDE
BATTERY GROUND
CABLE FIRST!



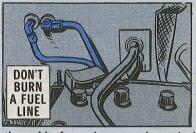
Dear Editor,

Mechanics sometimes burn the fuel line that's located just inboard the leftside battery. These tips will help save that fuel line.

Before starting on the battery removal procedure given in para 2-73 of TM 9-2320-242-20, disconnect



DISCONNECT GROUND CABLE ON RIGHT-SIDE BATTERY!



the cable from the ground terminal clamp of the right-side battery. Doing this cuts the chance of the left-side ground cable end burning the fuel line if they touch. If the cable's long enough to allow contact . . . that cable end can burn into the fuel tank.

Also, mechs should be real careful when using a wrench on the right-side positive terminal clamp. If that boxend slips and hits the fuel line, it'll burn clear through.

> WO1 Robert Adams Ft. Campbell, KY

(Ed Note: Sounds good—keep that brain a'crankin!)



the right side down hill-if you can help it. 'Specially when you're hauling a quarter or less of the Goat's fuel tanks' capacity.

Why? The fuel in the left-side tank will drain into the right-side tank, causing the left-side fuel level to drop

fuel pick-up line. When cranked-up, the Goat'll burn the fuel, if any, that's in its lines and filters—then die. The Goat's engine won't budge till you fill the tank at least to the pick-up line, and prime the system by filling both fuel filters.

WATER PUMP BELT SAVER MEBBE



Sticky spring action on the Goat water pump belt idler assembly makes for belt wear and tear. Lack o' lube's the villain, usually.

So, as you do your before-operations service, push down and release the water pump idler pulley. Return sticky? Put some OE/HDO on the idler pulley spring, work the pulley up and down a few times, and check again.

He'll lube the pulley shaft like it says to replace it.





in para 2-69 of TM 9-2320-242-20 Still stick? Tell your unit mechanic. (Sep 76). If lube won't fix it, he'll have

TM-260-Series 5-Ton Trucks

NSN's FOR SEAT CUSHIONS





Good news for you guys running TM-260-series 5-ton trucks. You no longer have to get a new seat assembly just because the seat cushions wear out or the shock absorber fails.

Order cushions like so:

Back. NSN 2540-00-460-5826: Bottom, NSN 2540-00-460-5815.

The shock absorber comes under NSN 2540-00-489-7104.



TM-209-Series 2½-Ton Truck . . .

LUBE FITTING IS REQUIRED



BELIEVE IT BABY ... I WUZ MADE FER YOU!

There're still some 21/2-ton trucks running around without lube fittings for the rear spring seat bearing.

That's a no-no. TM 9-2320-209-20 (Apr 65) Ch 6, page 294, para 191b(2), says all deuce-and-a-halfs must have these lube fittings.

Maybe what's throwing some people is the bit about "Improved Rear Spring Seats" that follows in para 191.1.

Do these "improved" jobs get lube fittings, too? They sure do! All of the poop is in para 191.2.

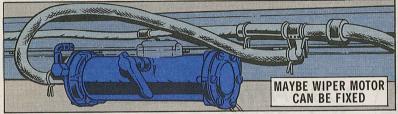


LUBE FITTING



Windshield wiper motors for 21/2-ton, 5-ton and 10-ton trucks are being used up like there's no tomorrow!

This's the vacuum motor used on TM-209, TM-211, TM-260 and TM-206 series vehicles. It's identified in your parts manuals as NSN 2540-00-930-9102, but that's been changed to NSN 2540-00-391-4322.



Why such a high demand for this simple gadget? It's got only a few parts. It works on air—or vacuum, if you want to be picky—so there's nothing to burn out.

Rust is the villain. And lack of exercise does its bit, too.

But that can be beat—if your wiper motor's not too far gone.

A detailed rundown on preventive maintenance for the motor is in TB 43-0001-39-1 (Jan 75), page 39. This tells how you take the motor apart, clean it and lubricate it.

Give it a try. It may save your wiper motor.

If you're ordering a new wiper motor, use the new NSN—you'll save some paper-passing between the head sheds. And that'll help get your motor to you faster.

CAMOUFLAGE LIMIT

No, camouflage painting of a vehicle does not include the weight classification sign carried on the front. The sign stays just like it was issued. If the sign has to be removed or covered—per TB 43-0209 (Oct 76), para 4f your own command will give you the word.

Standard on the men is many property on Lunear Which

TOROUING FRONT SPRING U-BOLTS

We're supposed to torque the front Dear Half-Mast, spring U-bolts on our 5-ton trucks to 350-400 lb-ft. But our 3/4-in drive socket won't reach the nut. How do we get a deep well socket to get at it? Dear L. L. F.,

The deep well socket you need for torquing those U-bolts is being added as a special tool to TM 9-2320-211-20P and TM 9-2320-260-20P. It's NSN 5130-00-540-0566. The word's in TB 43-0001-39-4 (Jan 77).



HET TIRE NSN'S

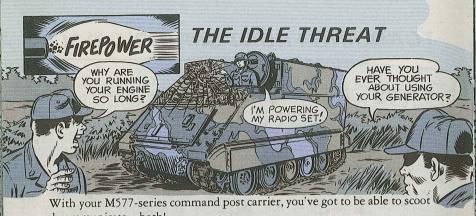
TM 9-2320-258-20P (May 76) for the M746 221/2-ton tractor-truck and TM 9-2330-294-24P(May 76) for the M747 60-ton semitrailer give you the wrong NSN's for tires. Truck tires are NSN 2610-00-142-5741. Semi-trailer tires are NSN 2610-00-177-7022. Jot 'em down in the TM's for your Heavy Equipment Transporter system.

TM-11-5450-21

TM 9-2020-202 KEEP MANUALS

TM9-324

New TM 9-2320-209-series manuals are on the way for the 2½-ton trucks. Watch 'em tho, they're only for the multifuel engine trucks. They're marked with a /1 . . . like so: LO 9-2320-209-12/1, TM 9-2320-209-10/1, and TM 9-2320-209-20/1. Keep your old manuals. You'll need 'em to support the gasoline engine vehicles. Changes will be published when necessary to both sets of manuals.



and communicate—both!

You don't sacrifice one to achieve the other.

Which is exactly what happens when you idle your vehicle's engine to power your communications.

Idling is sure and certain slow death for your engine.

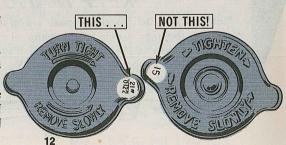
Which is why you're authorized generators to run your commo equipment... and why you should always use 'em to cut down wear and tear on your big horsepower.

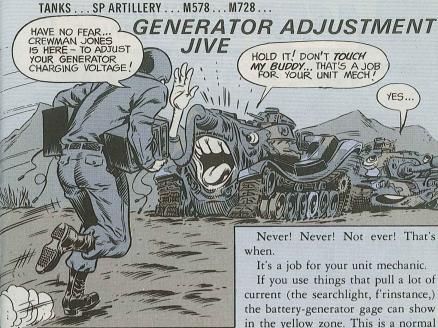


If your vehicle's running hotter than it should, could be it's got the wrong radiator caps.

Check both caps to see if somebody has slipped you 15 or 16 pound pressure caps instead of the 21 pound caps you should have.

The caps you need are listed as caps, radiator, NSN 2930-00-950-0740 10925255 (19207).

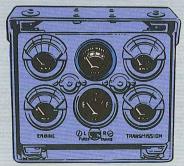




So you're a crewman on a combat vehicle that has the old carbon pile generator voltage control box.

charging voltage?

ADJUSTING THIS IS JOB FOR UNIT MECHANIC



Never! Never! Not ever! That's

YES ...

It's a job for your unit mechanic.

If you use things that pull a lot of current (the searchlight, f'rinstance,) the battery-generator gage can show in the yellow zone. This is a normal reading and no cause for generator regulator adjustment. When the electrical load is reduced, like when When do you adjust the generator you turn off the searchlight or stop running the turret electricity, the charging current should show in the green on the gage.

If the needle stays in the yellow when you're not pulling much current, then it's time to yell for the mechanic. He has the equipment to adjust the rheostat.

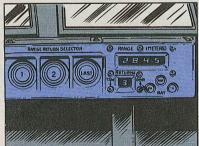
.If you try to make this adjustment yourself without the right equipment you could damage turret electrical components as well as lights, batteries and the generator itself.

So lay off! Let the mechanic do his job.



How far is it from here to there? Your laser rangefinder knows!

Treat it right and it'll give you the laser has time to cool off. correct target range.



HERE'S YOUR GUNNER'S "BOTTOM LINE" INFO

How do you know when you're treating it right? You sure can't pet its ruby head.

You treat it right when you space the rangings far enough apart so the

If you thumb the range button too



6-2-3 IS YOUR KEY-TC!

fast you'll damage the equipment and either the high voltage power supply or the flash tube will fail. Spacing the rangings correctly is your best protection—but there is also a circuit that shuts off the laser when the cavity overheats.

You may hate figures but these are worth looking at even if they're not in a bikini:

Maximum ranging shots: 6 per minute for a 2-min period, after which you need a cooling period of 3 minutes before you start another cycle.

You can use a sustained rate without rest periods of not more than 3 lasings per minute.

shine on one line. The amplified light 76). This'll clue you in for the it shoots out is all on one wave-length. AN/VVG-1 rangefinder. This makes the light get to the target and back in straight lines but this amplified light is dangerous to the times unless you're ready to use the human eve.

through an unfiltered optical instrument or with the naked eye.

The transceiver of the laser has a

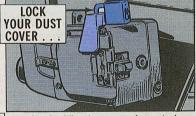


built-in filter so you can look through it. Likewise, the M127A1 telescope is safe if you have the safety filter in position (full clockwise) before you lase. If the safety filter is not on, either don't look or wear laser safety glasses, NSN 4240-00-258-2054. (They're \$80 a pair and well worth it.)

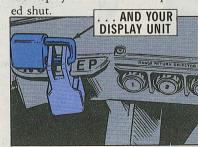
Before you operate your laser rangefinder, read Laser Warnings and

Your laser rangefinder has all its Para 2-46 of TM 9-2350-230-10 (Jun

You need to make sure the safety locks or safety plates are in place at all rangefinder. The transceiver dust Never look at a target ranging cover (door) must be locked shut with



LOOK THRU HERE a padlock. The laser mode switch on the display unit must also be padlock-



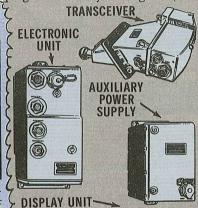
HOW TO

The covers on the major com-purges with dry nitrogen. (The ponents of this rangefinder are never raken off at crew or organizational



level. Why? Because some components can hold electrical charges of up to 3500 volts and 1000 amperesenough juice to kill you.

Four of the 5 big assemblies of the AN/VVG-1 on the M551A1 are sealed units which the turret mechanic



control unit is the exception. It is not purged.)

This is done every 90 days or more often if moisture condensation keeps the units from working right.

HERE'S THE TIME AND PRESSURE INFO ON THE ASSEMBLIES THAT GET PURGED,

ASSEMBLIES

- 1. Electronics unit
- 2. Display unit
- 3. Auxiliary power supply
- 4. Transceiver

TIME & PRESSURE

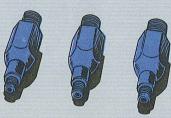
- 10 minutes at 7 PSI

10 minutes at 7 PSI if unit is unopened. 30 minutes at 7 otherwise.

Your pressure can be as much as 2 PSI under or over.

PURGE

For the first 3 assemblies, the 3piece adapter kit NSN 4931-00-936-



4283 gives you everything you need

For the transceiver you'll need valve extension NSN 4931-00-222-9056



because the entrance port to the transceiver is countersunk under ar-

Supply Catalog 4931-95-CL-I54 (Jul 75) lists purging sets and parts even though TM 750-116 (Oct 71) says nothing about purging the laser rangefinders.

You don't need to take the assemblies out of the vehicle to purge them. Remember the color codingfill valve (entrance port) is color coded gray and the relief valve (escape port) has a yellow ring around it.

FNTRANCE PORT-GRAY

EXHAUST PORT - YELLOW

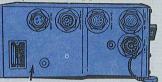


keep soul mates TOGETHER

I NOW PRONOUNCE YOU MATES, TRANSCEIVER AND ELECTRONICS UNIT LET NO MECH PUT YOU ASUNDER!



The transceiver (receiver/transmitter) and the electronics unit are mated by a direct support adjustment.



JOINED FOREVER



If you turn one in for repair the other must go with it. Be 'specially careful when you have several pairs of them so there is no mate swapping. Mismated pairs just won't work right together because they are not calibrated for each other.



HOWEVER, DS CAN ALINE THEM AND THEY CAN BE INTERCHANGED AT THAT LEVEL!



TRANSCEIVER PRISMS

Every time the turret mechanic takes off the commander's control unit or puts it back, he has to check the alinement of the scanning prism in the transceiver.

GET BACK ISSUES

from 1973 are available . . . for free.

Write to Connie, c/o PS Magazine,

Lexington, KY 40511

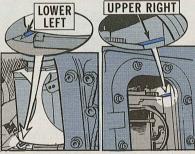
Many PS Magazine back issues



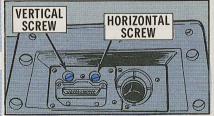
THE COMMANDER'S CONTROL UNIT AZIMUTH AND ELEVATION KNOB SEALS MUST BE AT ZERO (O)...

...BEFORE MOUNTING CONTROL UNIT TO TRANSCEIVER.

The prism has to be lined up both horizontally and vertically. This means the lower left and the upper



right edges must be parallel to the 2 white lines (witness marks). This is done by turning the 2 screws in the back of the receiver transmitter to line



the edges of the prism up with the witness marks.



M113-SERIES TOWING

Dear Half-Mast.

We need to have the air cleared on disconnecting the propeller shafts on M113-series APC's for towing.

TM 9-2350-300-10 (May 76) para 2-7, says that the vehicle should not be towed more than 200 feet unless we remove the prop shaft between the transmission and differential.

TM 9-2300-257-10 (Dec 73) para 2-133b, says that if we tow the carrier less than 30 miles at a speed less than 10 MPH, we don't have to disconnect any universal joints.

Could you give us the right poop?

CW2 A. T. B.

NO NEED TO REMOVE THE PROP SHAFT IF YOU'RE ONLY TAKING A SHORT TRIP.

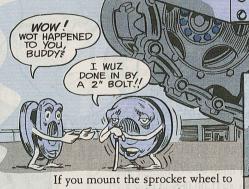


Dear Mr. A. T. B.,

Sure thing.

The headshed (Tank-Auto Command) says the information in TM 9-2300-257-10 on towing M113 series vehicles is right. TM 9-2350-300-10 is being changed. Half-Mast

M113A1 FAMILY PROBLEM



the final drive with bolts that are too long, you'll damage the final drive seal NSN 2520-00-679-9626.

The right bolts are 11/4 inches long and they're listed in your TM 9-2300-257-20P as Item 5 (fig 123) NSN 5305-00-726-2543



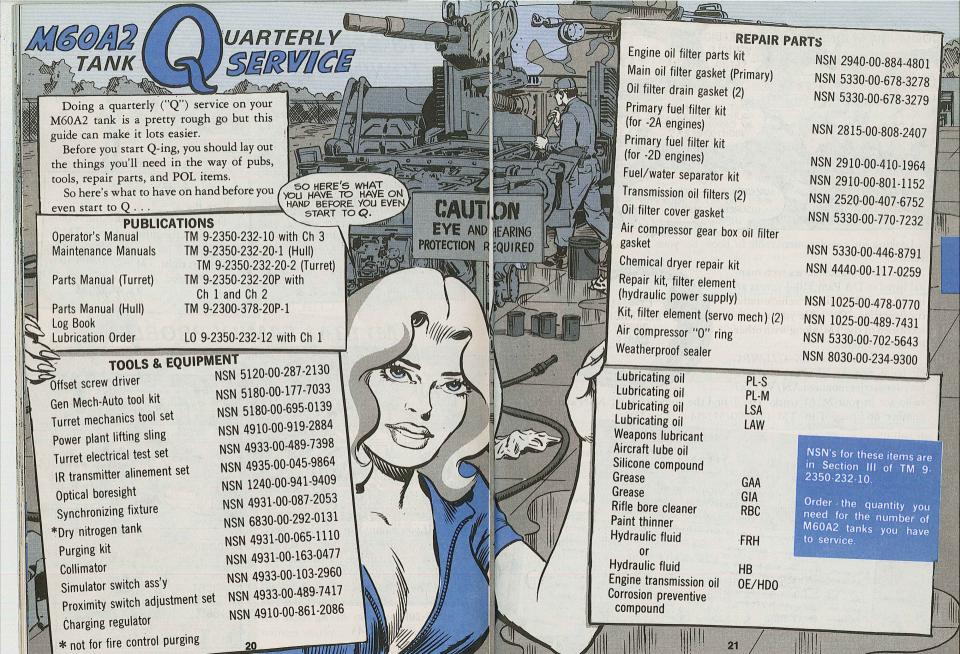
LONG

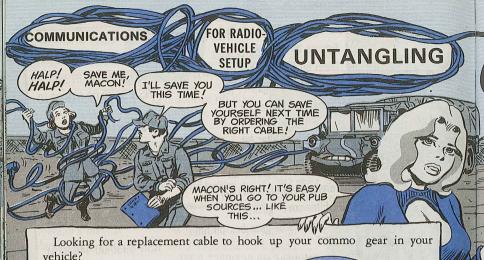
ROIT

FINAL

DRIVE SEAL







LECTRICAL

POWER

CABLE

Each TM 11-2300-series tech manual listed in DA Pam 310-4 covers an installation kit for a vehicle-radio configuration. The cable you want is identified in the TM, along with other installation items.

Say you need a CX-4721/VRC electrical power cable replacement for your carrier mounted AN/VRC-47

radio set in your M561 truck. You'll find the nomenclature, NSN and part

number on page 4 in TM 11-2300-372-14-6 (Dec 73).

TM 11-2300-372-14-6 THE ARMY TECHNICAL MANUA INSTRUCTIONS FOR INSTALLING INSTALLATION KIT, ELECTRONIC EQUIPMENT MK-1253/VRC IN TRUCK, CARGO, 1 1/4 TON, 6X6, M561 Table 2-1. Items Comprising Installation Kit, Electronic Equipment MK-1253/FRG (FSN 5820-493-7530) 5933-892-8831 Accreery Assembly, Bendix, Scintilla No. 10-229936-225, Piug Assembly. Bendix-Scintilla No. 10-229935-2P, or equa Audio accessories support kit (table 2-2) 5935-856-8426 SM-D-415563 Clamp strap kit (table 2-3) SM-D-415563 3995-523-3074 Cable Assembly, Radio Frequency CG-1173D/U Cable Assembly, Radio Frequency CG-1773B/U SM-D-415551 5995-823-2938

HOWEVER, NOT ALL CONFIGURATIONS ARE COVERED BY THE TM 11-2300 SERIES -- SO WORK WITH YOUR

110131 [[

3-1. Vehicle Nomenclature and Model Number. The following radio configurations by type of vehicle are described in this section: Paragraph Truck, Cargo, 21/2 ton, 6x6, M34, M35, Z4V Truck, Cargo, ¼ ton, 4x4, M37, M37B1 Truck, Ambulance, 3/4 ton, 4x4, M43, M43B1 Truck, Utility, 14 ton, 4x4, M151, M151A1 or M151A2 Truck, Utility, 14 ton, 4x4, M151, M151A1 or M15A2 (with Xenon Searchlight) Truck, Cargo, 11/4 ton, M561 Truck, Cargo, 14 ton, M715 Truck_Utility, % ton, 4x4, M825 (with 106-MM_Rifle)

First, you look up the M561 in the table of contents on page 3-1 which'll refer you to para 3-7 where the radio set and installation kit are listed. Then, you can 3-7. Truck Cargo, 14 Ton, M561.

Hadio set	Basic unit FSN	Installation kit .	Installation kit FSN
AN/VRC-46(cab mtd)	5820-223-7433	MK-1252/GRC	5820-493-7526
AN/VRC-47 AN/VRC-47(cab mtd)	5820-223-7434 5820-223-7434	MK-1253/VRC-47 MK-1245/VRC	5820-493-7530 5820-469-6689
AN/VRC-49	5820-223-7437	MK-1254/VRC-49	5820-493-7531
AN/VRC-53	5820-223-7467	MK-1246/GRC	5820-469-6690

track down the kit by NSN in Table 5-1 on page 5-53. There, you'll find the cable listed in the kit.

0820-152-5130-	1 STRAP	Lanon Za
5995-926-0834	CABLE ASSY	EACH 1
5995-823-2725	CABLE ASSY	EACH 1
5995-823-2887	CABLE ASSY	EACH 1
5995.880 1000	CABLE ASSY	EACH 1

If you're still not sure of the cable ID, you can ask your support to verify the NSN for the cable on the Master Cross Reference List (MCRL) microfiche which also lists the cable by length.

This info also applies if the cable you're after is in the accessory kit or in the

installation harness.		- 1 1 1 -
TVRC1-6	80058 2	5995-00-82
X4721VRC10FT	80058 2	5995-00-823-29
CX4721VRC2-6	80058 2	5995-00-823-2725
*** X4721VRC3-6	80058 2	5995-00-926-339
WRC3FT	80058 2	5995-00 00 000 0000 0000 0000 0000 0000
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	232	100 1613 1 6

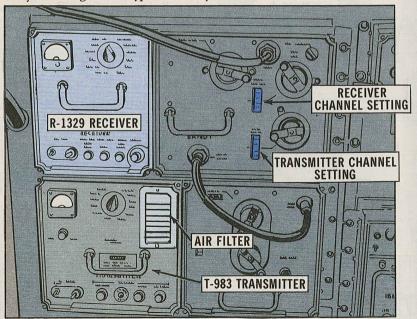


983 transmitter by replacing the air filter with a spare, like it says in para steer clear of setting those channel 5-6 in TM 11-5820-540-12 (Dec 67). frequencies too close. Setting 'em Dirt can gang up on your set fast, so closer than 50 channels apart will keep your set clean and cool.

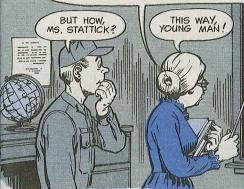
If you're using the new type air filter your R-1329 radio receiver.

Your AN/GRC-103 radio set can do assembly NSN 4130-00-879-2280, the a real hot job for you if you keep it cool. frame holder is part of the filter. The best way to do that is to keep You'll have no need for the metal the air flowing freely through the T- frame used to secure the old type filter.

> While you're keeping that set cool, damage the 2A1AR1 RF amplifier in



CREATE RADIO CRYSTAL NUMBER



YOU NEED CR-81/U CRYSTAL? YOUR FREQUENCY - 42.25 MHz SUBTRACT 10.7 YOU GET 31.55

PUTTING IT TOGETHER, YOU HAVE: CR 81 U 31-550000 MHz

Are you freged out 'cause you're having trouble coming up with the right crystal for your AN/PRT-4() and AN/PRR-9 portable radio?

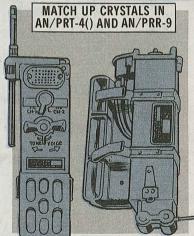
Flip no more!

There are a couple or three ways to get the right CR-81/U crystal for the frequency assigned.

If the crystal you need's in your outfit's crystal kit, you have it made. Get it and go.

If not, create a part number you have at your fingertips and you can get the crystal NSN. Be sure to subtract 10.7 mc before computing your crystal frequency, like it says in Ch 8 to TM 11-5820-549-12 (Oct 66).

Like, you know you need a CR-81/U crystal and you know what the frequency assigned you'll be usingsay, 42.25 MHz, minus 10.7 = 31.55. Put this info together and you come up with the part number-like this-CR81U31-550000MHz. Sometimes there's a period (.) in place of the dash (-).



Ask your supply support to match the part number to the stock number on their MCRL (Master Cross Reference List). For additional technical info your support contacts:

Defense Electronic Supply Center ATTN: DESC-STG Dayton, OH 45444

or call AUTOVON 850-5165/ -5746.



LOST MY GAIN ADJUSTING SCREW DRIVER

HERE'S A FIX THAT'LL END THAT PROBLEM FOR GOOD, SOLDIER!...

HUNBHH

VAC-59-400% (G)

HERE ON CHANNEL MODEM PANEL

SCREWDRIVER USED

CAUTION COREPLACE THIS CONST

Dear Editor,

The TD-660() multiplexer gain adjusting screwdriver, NSN 5120-00-079-8979, gets lost-often.

This tool has a special flexible business-end so it won't damage/ channel modem panels. Substitute tools will cause damage. Here's how I save the screwdriver and, therefore, the panel.

Add a screw-eyelet to the screwdriver handle, and attach a length of weldless chain NSN 4010-00-262-3123. Fasten the free end of the chain with a convenient panel screw. Be sure the chain's out of the operator's

SSG Lowell Welsch Ft. Campbell, KY

(Ed Note: Thank you, Sarge.)

TD-660 Panels . . .

HANDLE WITH GAR

HEY!! THIS PANEL

SEE IF HE'LL HELP US ...

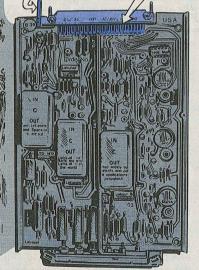
amich Michally

put your TD-660()/G multiplexer's bent, straighten it with your fingers or multi-channel signal out of business. a pair of needlenose pliers.

So, you have to take care when it comes to handling the printed circuit and you have set the test switches to

straight out. This'll keep you from getting bent pins.

EASY ON LINE UP SQUARE KEY THE PINS



When you're plugging in a card, line up the square key before pushing the turn-around depot replacement.

Pulling and pushing panels can card in place ... gently. If a pin does get

After the cards are snugged in place verify card contact, be sure to reset the If you're unseating the card, pull it channel selector and talk-monitor



switches to OFF. Leaving 'em on cuts your circuits' power level in half. This can head you for the maintenance shop when it's not needed.

When it comes to replacing a bad 11A33 power supply panel NSN



5805-01-012-5444 in your B-model multiplexer, DX it through your support so you can get a one-on-one



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 3 (Oct 75), TMs, TB's, etc.: DA Pam 310-6 (Jul 76) and Ch 2 (Dec 76), SC's and SM's and DA Pam (O) 310-9 (Aug 74), COMSEC pubs.

TECHNICAL MANUALS

TM 5-5420-200-12 Feb M48A2 Tank Bridge Launcher

TM 5-6115-465-24P Feb Generator Set, DED Tactical Skid Mtd., 30-KW, 120/208, 240/416 V DOD Mod MEP-005A, MEP-104A, MEP-114A, MEP-005AWF, MEP-005AWE, MEP-005ALW, MEP-005AWM CH 5, TM 9-1005-224-24 Feb M60 Machine Gun

Ch 1, TM 9-1015-203-20P Feb M101/M101A1 Towed Howitzer

Ch 2, TM 9-1300-251-20 Feb Artillery Ammo for Guns, Howitzers, Mortars, Recoilless Rifles, 40-MM Grenade Launchers

TM 9-1345-201-12 Jan Aircraft Mine Dispers Subsys M56

TM 9-1345-203-12&P Jan Land Mines TM 9-1400-461-20P Sep M-22 Antitank Helicopter Missile Sys

TM 9-1425-473-24P Sep TOW Airborne System

TM 9-1430-528-24P Jun Improved HAWK TM 9-1430-532-14P Sep Improved

HAWK Ch 2, TM 9-2320-260-20P Feb M809-

Series 5-Ton Trucks
TM 9-2350-256-20 Jan M88A1 Recovery
Veh

TM 11-5805-387-24P-1 Jan MO-552 Radio Teletypewriter Modem TM 11-5820-552-24P Jan AN/PRC-64A

Ch 3, TM 11-5820-800-12 Mar AN/PRC-90 Radio Set Ch 5, TM 11-5821-261-20 Feb AN/ARC-

116 Radio Set
TM 11-5855-213-10 Dec AN/PVS-4 Night
Vision Sight

TM 11-5855-214-10 Dec AN/TVS-5 Night Vision Sight TM 11-5855-249-23 Mar Driver's Night

Vision Viewer AN/VVS-2(V) 1
Ch 5, TM 11-5985-262-15 Feb AS1729/VRC Antenna

TM 11-6130-238-14 Feb PP-1659 ()/G Battery Charger Ch 1, TM 11-6625-2631-14 Mar TS-2530

() Battery
Ch 7, TM 55-1500-328-25 Jan
Aeronautical Maint Mgt Policies,

Procedures
Ch 3, TM 55-1500-333-24 Jan Maint for Cleaning Procedures. Aircraft

TM 55-1510-209-10-1 Feb RU-21A/D Aircraft TM55-1510-214-10 Mar RU-21b, RU-21C

Aircraft
TM 55-1510-215-10 Mar U-21G Aircraft
TM 55-1520-210-PM Dec UH-1D/H Phas-

TM 55-1520-210-PM Dec OH-1D/H Phase ed Maint Checklist TM 55-1520-214-23 Dec OH-6A Ch 1, TM 55-1520-214-23P Jan OH-6A

Ch 1, TM 55-1520-214-23P Jan OH-6A Ch 7, TM 55-1520-221-20 Feb AH-1G, AH-1Q, TH-LG Ch 14. TM 55-2840-229-24 Jan T-53

Engines Ch 8, TM 55-2840-234-24/1 Jan T-55 Engines MISCELLANEOUS

AR 190-11 Mar Physical Security of Weapons, Ammunition, Explosives DA Cir 310-94 Feb Notice to Users of Fed Supply Cat, MCRL

DA Cir 708-5 Jan Management Info Research Assist Ctr (MIRAC) DA Pam 310-8 Dec Index of Personnel

Test & Measures
DA Pam 621-71 Dec Ordnance School
Apprenticeship for Welder

DA Pam 621-73 Jan Ordnance School Apprenticeship for Heavy Duty Equip Mechanic DA Pam 621-74 Jan Ordnance School

Apprenticeship for Artillery Repairer
DA Pam 703-1 Jan Accounting for Bulk
Petroleum

DD Form 1348-6 Mar Non-Nsn Requisition (Manual)
FM 10-76D1/2 Jan 76D, Materiel Supply-

man
FM 10-76D3/4 Jan 76D, Materiel Supply-

man FM 10-76P/CM Jan Stock Control Supply-man MOS 76P

FM 10-76Y1/2 Jan 76Y Unit and Organization Supplyman
FM 10-76Y3/4 Jan 76Y Unit and

Organization Supplyman
FM 42-9-4 Dec Planning Guide for
Contingency M16A1 Rifle

FM 44-16D Dec Hawk Crewman SB 700-20 Mar Army Adopted/Other Items Selected for Authorization/List of Reportable Items (Microfiche) SC 5180-91-CL-R52 Feb Tool Kit TK-

TC 11-6 Sep Grounding Techniques

AUDIO-VISUAL STUFF —Available at Your Local TASC (Training and Audiovisual Support Center)

MOVIES, GTA
GTA 3-4-8 ABC M-24
Chemical-Biological Mask
MF 17-5934 GOER

TEC LESSONS 043-441-5912-F Vulcan System Daily Checks, Parts 1,2,3 043-441-5933-F Loading, Downloading Vulcan (Sp), Part I

043-441-7814-F Chaparral Weekly Maint Check, Part I 043-441-7819-F Chaparral Weekly Maint Check, Part 6 551-101-7901-F Intro to PLL Procedures (DLOGS) 551-101-7902-F Replacing a PLL Item (DLOGS) 551-101-7903-F Requesting High Pri Items (DLOGS) 551-101-7904-F Requesting Nonstock Items (DLOGS) 551-101-7905-F Turning in Excess Items (DLOGS) 551-101-7906-A Processing Materiel Receipts (DLOGS) 551-101-7911-A Validating Suspense File, Updating Due-Out Listing (DLOGS) 551-101-7912-A Requesting Follow-up (DLOGS) 551-101-7913-A Requesting Cancellation (DLOGS)

See for Miles and Miles . . .

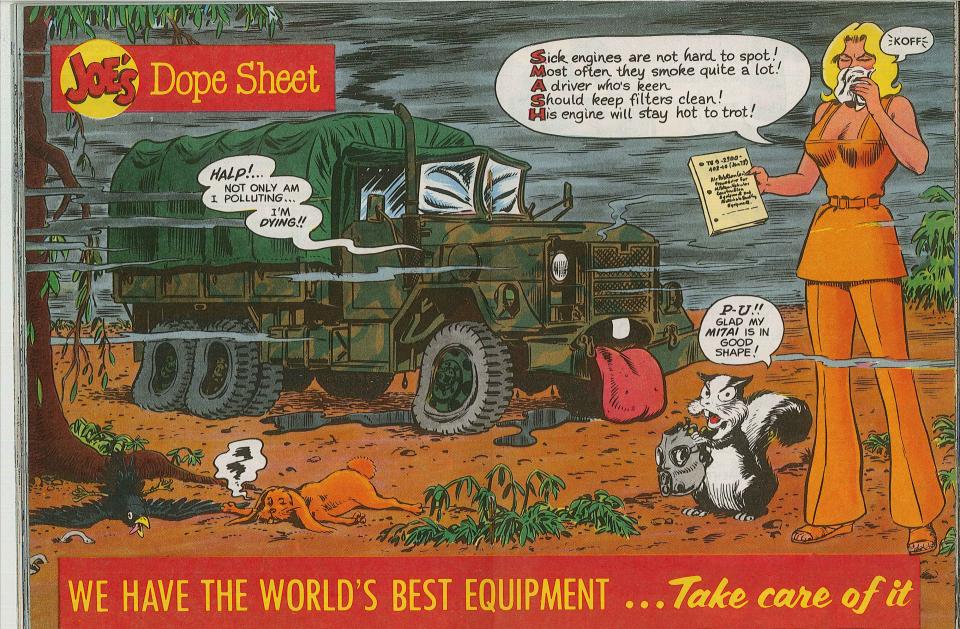
Of the several cleaners for use on aircraft transparent plastics, there is one that will really make bird windshields and windows sparkle. It's authorized, for example, in the maintenance supplies section of TM 55-1520-214-23P (May 76) on the OH-6A. NSN 6850-00-570-9355 will get you an 8-oz bottle of the cleaning compound for only \$1.56.

Overprint OK

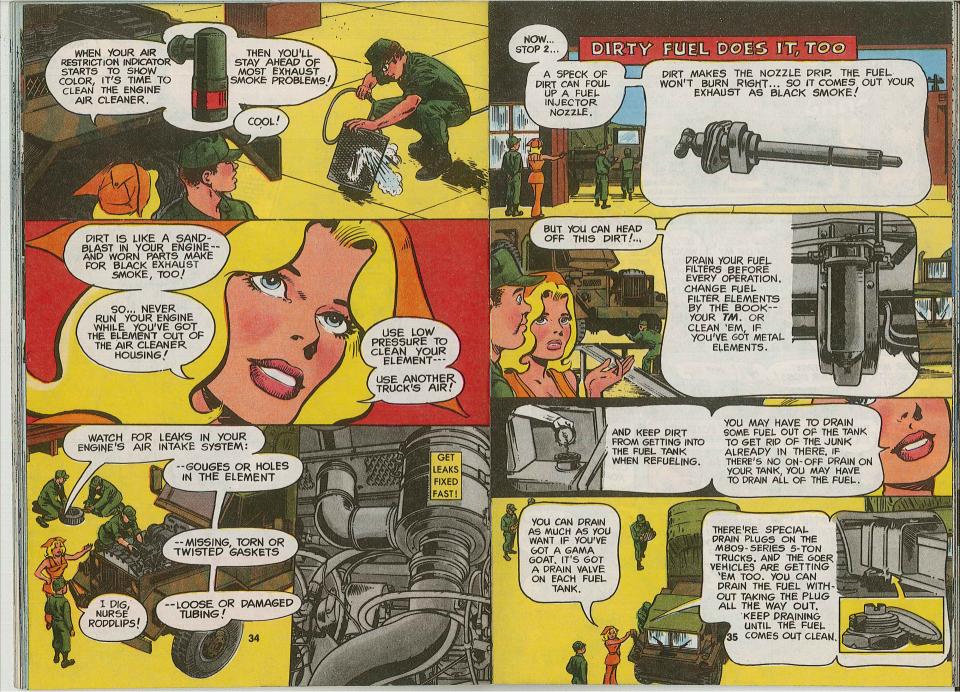
If you're tired of writing the same entries on the same forms for the same inspections time after time, read para 1-7a(6) of TM 38-750. That para OK's overprinting of forms like the DA Form 2404 ESC. Just make up a stencil for the entries that stay the same each time you pull a certain check or service or whatever, and run the form through on the stencil.



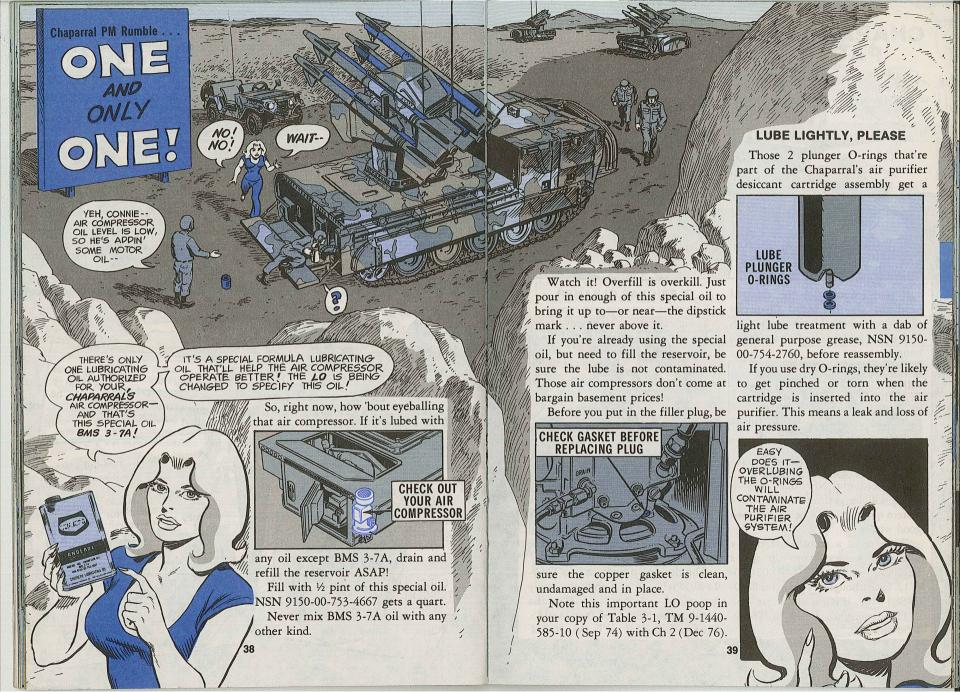


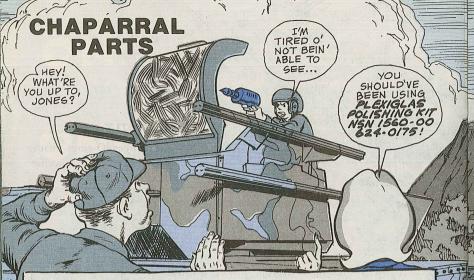


IF YOU WANT TO DISPLAY THIS CENTERPIECE ON YOUR BULLETIN BOARD, OPEN STAPLES, LIFT IT OUT AND PIN IT UP.

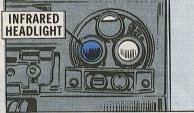








If your requests for the infrared headlight on the M730 Chaparral carrier have been kicking back with "out of stock," "reorder," or whatever, hang in there.



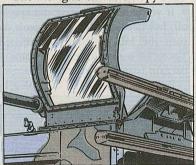
The headlight, NSN 6220-00-984-5180, will be getting back into the system quick-like. It'll be around for a good while.

substitute soonest, you can get a headlight with NSN 6620-00-766-4712. First, though, try again for 6220-00-984-5180. It holds up longer.

1450-585-20P.

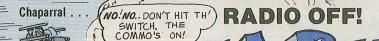
PLEXIGLAS CLEANER

Reminder to strong-arm types: The Plexiglas on the canopy of the



launch station can be scratched or clouded by the wrong cleaner. That's why substitutes are out (your pal If you're in a crunch and need a inside must see out, if he's going to be effective).

The cleaning procedure is in TM 9-1440-585-10 . . . and the only authorized cleaner is Plexiglas The headlight's listed in TM 9- polishing kit NSN 1560-00-624-0175. That, too, is called out in the -10 TM.



MAN START button for the MPU of



your Chaparral missile system, be sure the COMM switch is OFF.

Next time you're about to punch the at least a minute after the MPU has been running.

Both cautions are important . . . off before starting, and keep the switch off until the MPU settles down (a minute or so).

Otherwise, you'll damage and lose your communications from the MPU power surge.

The switches are on the master And, keep the COMM switch off for control panel of the launch station.



THE TOW LAMP GLOWING

The glow lamp (target source lamp) in the TOW M70 trainer is going out more often these days.

Eager gunners stand transfixed, waiting for a lamp which never



Angry sergeants wave heavy clubs in the air. seeking gremlins which scurry from sight.





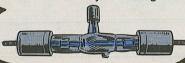


They all wail at the frailty of electronic equipment . . and wonder where the next replacement lamps will come





Within its devilish little mind, a glow lamp, about to burn out, too, knows all but says nothing.

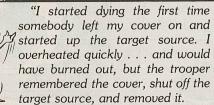


A crafty Spec 4 hits an electronic trigger, and the glow lamp spews its secret into a computer.





Here's a printout of the tape:





REMOVE COVER BEFORE STARTING **UP TARGET** SOURCE!



"Then, another time, the jeep driver started up his engine when the target source was on. The battery voltage dropped . . . and took a little bit of my life away. That happened a couple of times.

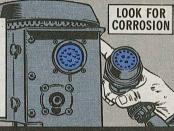


TARGET SOURCE ON? DON'T START

ENGINE!



"The target source cable and connector at my end (glow lamp) is corroded. The cable arcs . . . and they've got to try over and over again to start me. If they'd only inspect the cable once in awhile . .





"Right now, I'm hot and I'm suffocating. My target source inlet filter is clogged with dirt. The flow of air is low, and the heat is killing me. I'm too young to go. I want to glow. If only they'd have checked that filter . . .



your glow lamp today?



while they were at it . . . G-g-gak ... CLACK ...

"Or checked

click click click click click . . . "



OUTLET

The tape faded away to silence.



and the state of t



FLIP OF YOUR WICK!!



requirement to lube the Number 1 and it. Number 2 tail rotor drive shaft bearings on your Kiowas, birdmen.

centimeter of grease at 2 places, 180 degrees apart, every 25 flight hours. degree angle. That's all there is to it. That's the word in AVSCOM Msg DRSAV-FEL 311839 Z Aug 76.



The idea is to lube with an 18-gage needle and a hypodermic syringe, inserting the needle under the lip of the bearing seal.

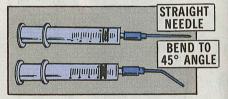


The straight needle fits fine on bearings, Numbers 3 thru 8. But you have to alter the needle to fit it into the 2 forward bearings.

So, latch onto a piece of lock wire and insert it into the needle. This will

HURRY UP -- BEFORE LOSE MY BEARINGS!

In a shop (away from aircraft) hold the needle with a suitable tool and flip 'Course, all the bearings get 1 cubic your wick. Heat the needle and bend it, with a pair of pliers, to about a 45-



Now you can shoot the works to those hard-to-reach bearings.







status.

The clincher, tho, is in AR 95-33 (Sep 76) on aircraft inventory, status

operational. A status symbol in those

columns doesn't indicate aircraft

and flying time reporting. You do have a reduced materiel condition (RMC) in column 10f of the DA Form 1352. But the bird is operational ready when at least one of the missionessential subsystems is operable.

50, YOU CAN
FLY THE BIRD ON
ALL MISSIONS
THAT DO NOT REQUIRE THE RED X'ED SUB-SYSTEM



FOLLOW THE BIRD PUB





Dear Windy.

My TI and I are butting heads about what size lock wire to use on Huey tail rotor speed rigs.

TM 55-1520-210-20 (Sep 71), the Huey manual, page 9-23, para 9-16h(6) says .032 wire is used. TM 55-1500-204-25/1 (Apr 70), the general manual for aircraft, says in para 3-176 that .041 wire is used on 3/16-in cable.

We'd appreciate your help on this.

SP4 S. C. B.

OUT .. OUT! I'M THE RIGHT TM, BUB!

Dear Specialist S.C.B., The individual bird manual—in this

case TM 55-1520-210-20—has the word.

The General Aircraft Maintenance Manual is just that—general. TM 551500-204-25/1, para 1-4, says that its instructions are general, and that specific info to be followed is listed in the birds' own pubs.

POOR GUY! HE'S



GROUNDED BECAUSE SOME When you Cobra types climb in and

out of the pilot's seat, go easy on the door, OK?

If you use force—especially when opening the door-you'll go past the support stops and crack the door frame.

'Course, the damaged door has to go to support for repair and that sidelines the bird until you get a replacement installed.

Easy does it!



Helmet

IN

MY PLEASURE BOUT TEAMIN'

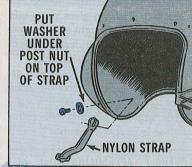
If your SPH-4 flying helmet was made before 1976, it may need a fix. Eyelets in the nylon straps of the ear cup retention harness may pull out unless you do this:

Remove the post nut (NSN 8415-00-490-1201).

Place a 1/2-in washer, NSN 5310-00-205-8924, under the post nut on top of the nylon strap.

Replace the post nut.

Defense Industrial Supply Center. RIC S9I, is the supplier of the washers.



JUST LIKE ADVENTURELAND --NO SPILLS!

THE **PROPER** CHANNEL

CHANNEL OIL AWAY

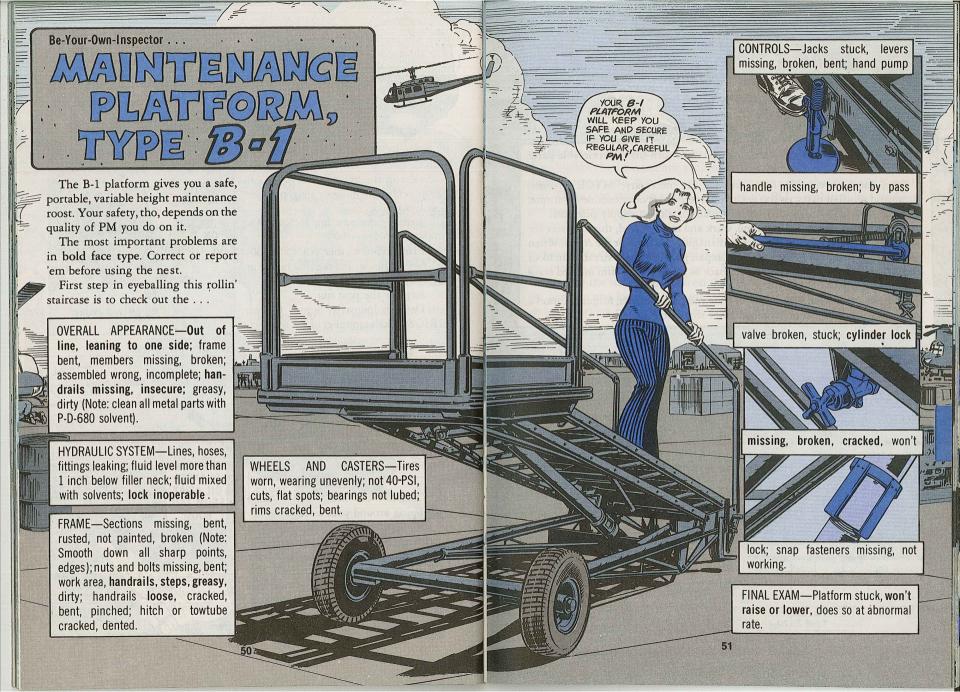
FROM TAIL

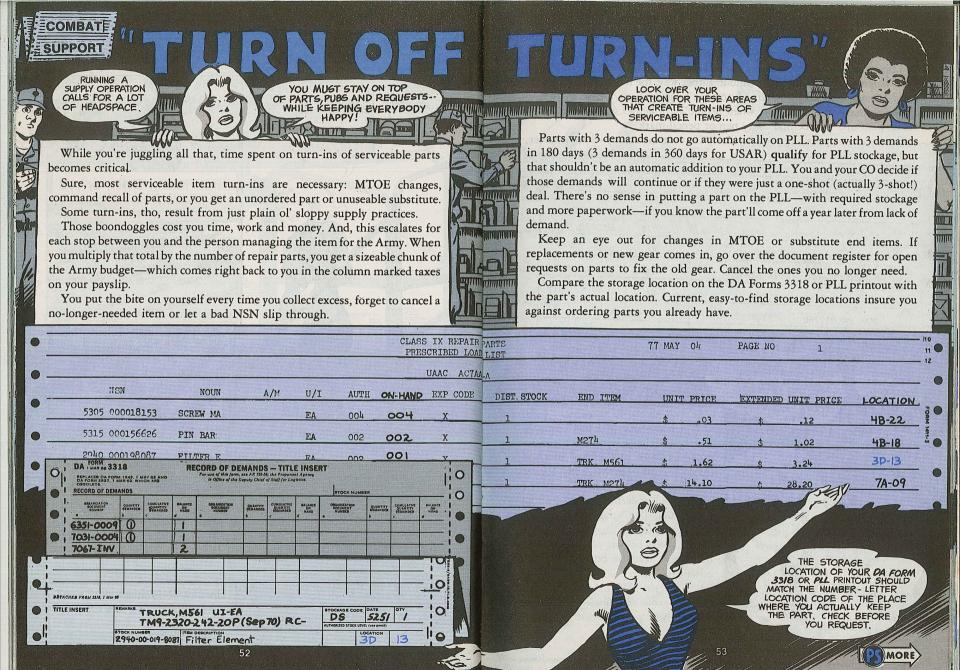
BOOM

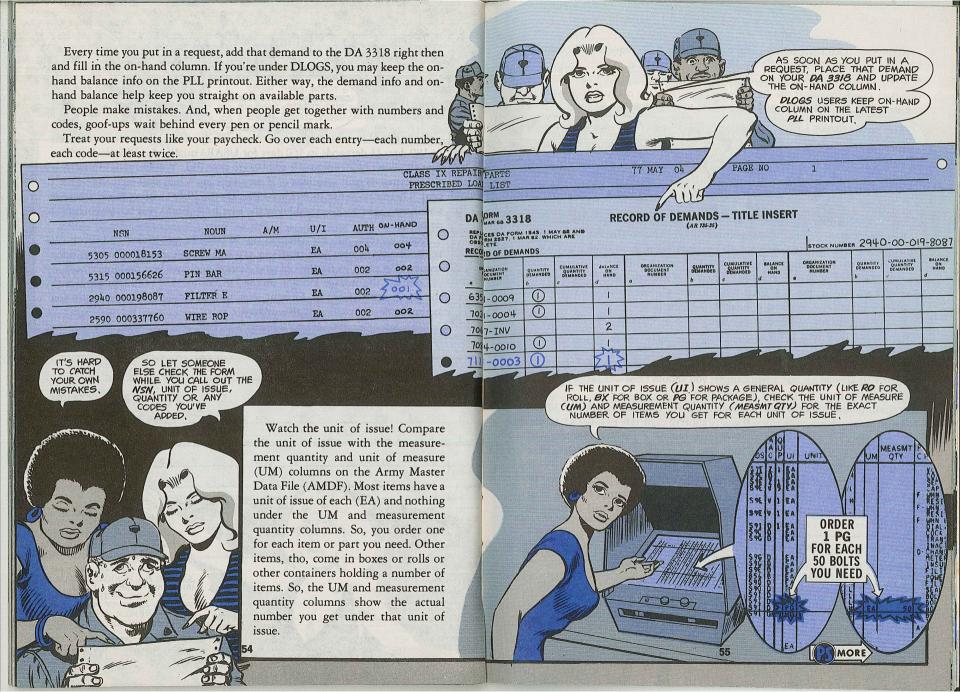
Here's how it can be made and used:

Oil's not the best thing to have slopping around your aircraft.

So, when you get ready to drain an unhandy place like the gear boxes in the tail rotor drive systems of your Huey and Cobra, make a channel. The kind of channel you need you can shape from a thin piece of aluminum. Use it to make the oil flow away from the tail boom.







Keep your document register current. Write up each request immediately. Unlisted requests lead to duplicates—and one more item to turn in.

Use your reconciliation lists and status cards to the max. As a list or a card comes in, check it against the document register. Ask the maintenance types if the item is still needed. Yes? Update your records. No? Cancel now!



Always compare NSN's on status cards and reconciliation lists with the NSN on the document register and your prepunched/preprinted request cards for that item. If the numbers do not match, check 'em out. If there's a change, line out the old NSN on your document register and write the new NSN above it. Correct the info on your DA 3318, too. Then, trashcan any unused preprints. Support should send you new ones with the new info.

Work with the maintenance supervisor or motor sergeant. They're quick to tell you when they need a part so they should tell you just as quick when they no longer need a part.

You should have an open request for each DA Form 2404 or 2407 they hold for parts. If they close out a work order, you should close out (as received or cancelled) the request you had for that part.

If you operate under a local financial system like COLEX or checkbook accounting, stay within the rules. If you're short of cash, talk to your CO. Maybe the CO can talk support or another unit out of a part temporarily—or command out of extra money. NEVER turn in authorized parts to get credit so you can buy other parts you need, tho.

When you turn in authorized parts for credit to buy other parts, you may be buying some grief. The turned-in item goes back into the system. It doesn't just lie around waiting on your next request. So, next time you need it, could be you'll get back order status instead of the item.





WELL, HE'S

Dear MSG Half-Mast

We have 8 M151A1's authorized. 8 on hand. We have 2 AN/GRC-106 reportable radios authorized to be mounted on 2 of those trucks. The

Dear Mr. G. C. W.,

The 2 trucks authorized to carry the reportable radios become subsystems of the AN/GRC-106 communication systems. Those trucks would not be listed separately on the DA 2406. So, you report 6 M151A1's authorized, 6 on hand. Two radios are on order. None on hand. How do we report the trucks on the DA CW3 G. C. W. Form 2406?

AN/GRC-106 systems authorized, 0

If necessary, use the back of the form to explain that the 2 subsystems (M151A1's) are available.

HAND?

CLOSE FORM ON OPEN R

Dear MSG Half-Mast,

If you have not received an item listed on a DA Form 3318 in the nonstocked item demand file, do you still toss the form out as it says in para 2-42b of AR 710-2? WO 1 H. T.

OPEN REQUESTS OVER 180 DAYS

Dear Mr. H. T.,

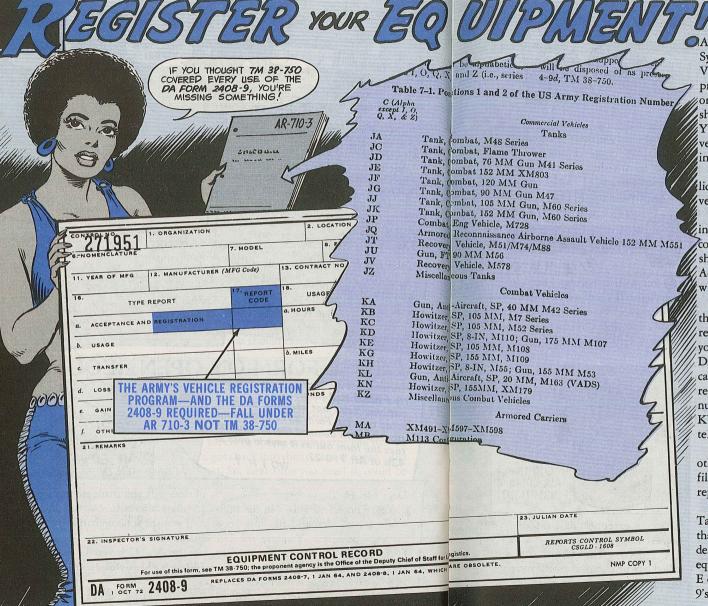
Yes. Those DA 3318's in the non- 180 days affects it. stocked item demand file just keep keep tabs on supply actions.

So, an open request has no effect on the DA 3318 review. Only the number of demands you made during the last

If you show no demands for a nontrack of demands. You use the DA stocked item in the last 180 days, toss Form 2064 Document Register to out the DA 3318 even if a request over 180 days old is still open.

> AR 710-2 15 ON TARGET!

57



Section III, Chap 7 of AR 710-3 on
Asset and Transaction Reporting
System (Sep 72) directs the Army
Vehicle Registration Program. This
program requires DA Forms 2408-9
on certain equipment that has—or
should have—registration numbers.
You keep DA 2408-9's on those
vehicles whether or not they're listed
in Appendix E of TM 38-750.

Registration numbers serve as license plate numbers for government vehicles.

When you receive equipment listed in Table 7-1 of AR 710-3—including commercial design vehicles—you should also get a DA Form 2408-9 Acceptance and Registration report with it.

If your equipment arrives without the forms—or with missing or unreadable registration numbers—tell your property book officer. Missing DA 2408-9's should be replaced. You can request a registration number to replace a missing or unreadable number from USAMMC, Lexington, KY 40511. Para 7-15c of AR 710-3 tells you how.

As you transfer that equipment to other units—or it's lost or destroyed—fill out DA 2408-9 transfer or loss reports.

Get a copy of AR 710-3 and keep Table 7-1 handy. The equipment in that table including commercial design vehicles adds up to a lot of equipment—not covered by Appendix E of TM 38-750—needing DA 2408-9's.

Riveted Hull MAB Transporter.

TATOPET VOIL OF THE PARTY OF TH

Mobile assault bridge operators take note. Para 3-18, TM 5-5420-204-12 (Oct 73) and sequence No. 20 in the PM Checks 'n' Services table clue you in when to take care of hydraulic fluid filters. Figure 3-5 tells you what to clean and replace when you PM the high pressure discharge line filter on FMC Model BF-FMC-1 transporters.

Trouble brews, tho, if you don't put the whole 9 yards back together right after changing the filter, NSN 4330-00-406-9016.

F'rinstance, if you don't use 12 good, clean bolts . . . and torque 'em just right, you'll damage the internal threads in the aluminum filter head.

So-o-o-o, be PM-wise when you replace the filter and O-ring and do it like so:

1 Follow the poop in the NOTE, and Steps 1 and 2 of Fig 3-5. When you put in the new filter and O-ring, screw the filter in place by hand tightening it 1/3 to 1/2 turn past the point of initial contact with the gasket.

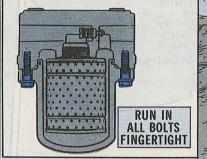


12/1

2 Be sure the filter retaining bolt threads are clean 'n' smooth. This means no smashed, burred, bent, or wrinkled threads.



3 Put in all 12 bolts and run 'em up fingertight. If a bolt won't thread into the filter head real easy, get a new one ... or chase the threads in the head with a ½ x 13 tap.



Use an exception data supply type request to get new bolts—MS35295-114 (96906). These bolts are also called hex head cap screws. If you need the lock washers that go under the cap screws, use MS35339-48 (96906).

Torque the bolts in sequence to 65-75 lbs-ft... like this: Top, Bottom, Right, Left. Tighten the remaining bolts in the order shown.

DID HE

EVER

HEAR

OF FILTER

WHAT'S

SFEMS
THE
FOXTROT

MAB

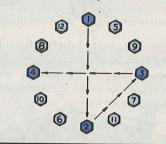
CREW

CAN'T GET

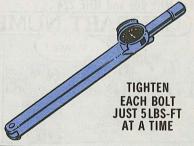
BRIDGE

ONE IN

CROWD.



Hold one! Just tighten each bolt 5 lbs-ft at a time. This means you use the torque wrench on each bolt 12-14 times every time you change the filter in the high pressure hydraulic discharge line.

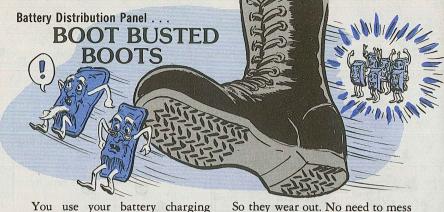


Use torque wrench NSN 5120-00-640-6364 from your No. 1 Common Shop Set for this very important job.

6 Check for leaks; add oil if you have to.

6





You use your battery charging distribution panel just about every day. Takes a heap o' pounding, too, 'specially those circuit breaker rubber dust protectors.



around with bum boots. Boot 'em. Use

tion data supply request to save some more expensive repair parts . . . like maybe a circuit breaker

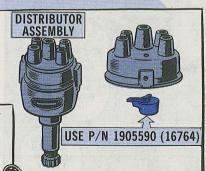
For MHE 209 and MHE 224 . . .

USE PART NUMBER FOR ROTOR

CHECK DUST BOOTS . . .



The rotor NSN for Item 8, Fig 48 of TM 10-3930-621-20P (Sep 73) is wrong. Use the P/N 1905590 (16764) and order by exception data supply request. RIC is S9C.



COMPLETED DA 2064'S

For units hung up over completed DA Forms 2064, AR 340-2 (Sep 69) on Maintenance and Disposition of Records in TOE Units rules on how long you keep them.

The nonreportable expendable items document register is considered a reference paper file. When you no longer need that DA 2064, destroy it. That could be the day the form is finished or a year later. Para 2-17 of AR 710-2 discusses that option.

The nonexpendable and reportable expendable items document registers fall under file 14-01.2 Document Register Files. That file covers paperwork on supply actions that affect entries to the property book. Hold on to those DA 2064's for 2 years after they're completed.

SORRY, RIBBON ROUNDUP

I DON'T KNOW HOW TO ORDER A RIBBON FOR YOU!

HERE'S THE ANSWER

If it's time to change the ribbon on your electric typewriter, here's some help. IBM models 875 and 895 use the following ribbons, with FSCM 30874 and RIC G O:

TYPE OF RIBBON	IBM PART NO.	NSN 7510-00	-3
1. Correctable film	1136432	-241-5364	6-0
2. Lift-off tape for #1	1136433	-275-8558	250
3. Tech III	1136391	-009-5004	0-5
4. Tech III coverup tape	1136435	-357-4857*	
5. Carbon film	1136390	-083-3951*	
6. Fabric	1136138	-134-8208*	District Of Street, St

THESE ITEMS ARE NOT IN THE AMDF.ORDER THEM BY EXCEPTION DATA REQUEST.

If you need IBM 752 carbon paper, order it by exception data request. Use IBM Part No. 1023763 (30874) for $8\frac{1}{2}$ X $11\frac{1}{2}$ -in paper or 1023764 (30874) for $8\frac{1}{2}$ X $14\frac{1}{2}$ -in paper.





GOER Support Change

Contractor logistic support (CLS) for your Goer is out 1 Jul 77. Total Army support is in, All parts will be supplied through the Army supply system. Every item marked CLS in the parts manual will have an NSN. Your unit should already have received a cross reference list from P/N to NSN to supplement the present -20 TM. Parts manuals are supposed to be avilable not later than September 1977.

Paystar Battery Payoff

Your IHC Model F5070 20-ton dump truck battery doesn't have an NSN ... yet. So, use PN (19728) 1424X to get this Prestolite 6-V, 208amp power package for your Paystar. It's the only one authorized.

PMS Card Clear-Up

Page 65, PS 292—on saving old PMS cards—is misleading. You only hold on to the bird's old PMS card for daily inspections till you receive the bird's new PMS card.

1/4-Jon Trailer NSN

Make a note in TM 9-2330-251-14 (Oct 70) for your M416 or other 1/4-ton trailer. That FSN 2510-732-8325 for the right hand rear shackle bearing should be NSN 2510-00-769-7598.

Microfiche Orientation

A new 4- to 5-hour presentation on using microfiche products is available. Your command can set up a presentation by contacting USA DARCOM Catalog Data Activity, ATTN: DRXCA-DS, New Cumberland Army Depot, New Cumberland, PA 17070, Or call Autovon 977-6644/6603.

5-Jon Air Cleaner Decals

Want ID and instruction decals for your TM 260-series 5-ton truck's air cleaner? Order the ID decal with NSN 9905-00-197-5962. Get the instruction decal with NSN 9905-00-197-5957.

Jooth Jool Clean-Up

The right size weld rod bits for the sprocket removal tool on page 37, PS 292, is 1/8-in diameter. Quarter inch rod is too large-won't fit between the sprocket teeth.

106-MM RR Barrels

Did you do a double take on that 106-MM recoilless rifle article on Page 3 of PS 293? Para 4 should have ended: "the barrel and vent assembly can no longer be used together (1250 rounds)." Barrel life is 2500 rounds. Vent assembly life is 1250 rounds.

☆U.S. GOVERNMENT PRINTING OFFICE: 1977 - 757-002/8

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

