

Issue 310

PS

1990 Series
May

THE
PREVENTIVE
MAINTENANCE
MONTHLY



FOR **PM** YOU NEED

RESPONSIBILITY

TEXT BY JOHN-EDWIN BROWN

Some guys shy away from it — (but *not*, they're afraid of it. Some guys just shirk it all. They never think it's got anything to do with them. Some guys don't even know what it means. They never learned.

But every man's got to accept it sometime, if he's going to do any good for himself — and for others who depend on him.



"That stuff" is Responsibility

"That stuff" will be a simple meaning — a job you're expected to do.

There's no people in the Army who carry a lot of responsibility — like your CO. He's responsible for all the men and all the equipment in your outfit. Even bigger, he's responsible for the safety of your outfit.

That's the relation to Preventive Maintenance of equipment. That's maintaining equipment to prevent its breakdown. Or it's correcting small problems to prevent bigger problems.

Without constant, conscientious preventive maintenance, equipment will fail. Without equipment, the mission will fail.

Success or failure of a mission depends a great deal, then, on every man in your outfit carrying his responsibility for preventive maintenance of his equipment.

There's a lesson in it for you —

Like physical exercise strengthens your body, exercising your responsibility strengthens you. Both are vital to the success of your mission.



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IN YOUR OWN INTERESTS...

M101 TOWED

or M101A1 HOWITZER



YOUR M101 IS A
FINE GUN...
BUT A GOODIE!

I'LL SEND
YOUR M101
TO A FINE
PLACE IN TWO
OR THREE
DAYS.

WH...? NO
DAMAGE?
I'LL TRY TO
FIX IT IN A
DAY OR TWO.



Rugged, reliable, a beauty, the best! That's the kind of praise you hear from the right military eyes when they're yacking about the M101 or M101A1, 104-MM towed howitzer. And, if you've been around weapons at all you know that's not just idle chatter.

To stay in top shape, of course, your howitzer needs regular care. And, regular care means you keep the weapon clean and dry as possible, properly lubed and painted. It means you keep the adjusted sights and check carefully for loose, bending, worn, missing, cracked, corroded or otherwise damaged parts or assemblies.

There's an important eye-check list to help you spot check your weapon. Starting, you'll make sure all parts are clean, free of rust, and spot-painted where needed.



Pay special attention to the problems listed in bold type. They'll get you up and out of action in a snap. Also, problems you can't handle get passed on to your support units quickly. The MAC (Maintenance Allocation Chart) is in Ch 2, 3 and 7, TM 9-111. PM check points on the weapon are listed in the TM's Ch 6.



BARREL GROUP

BARREL COUPLER — Inside valve coated, threaded, inside fitting. Barrel ring having valve seated, spring, steel, cutting, break, stopped, leveling (slide scratched, barrel, pointed). Oper. stoppage handle—odd form, steel, wing. Chamber stopped, coated.

BARREL EXHAUST — Steel.

THREE OF YOU MUST BRING AN AIR UNDERPRESSURE PUMP!



BARREL LOADING RING — Lens, left, screw-on, stamped, coated.

BARREL RINGS — Rubber, steel tubing. One hole raised, others all grooved, stamped, coated.



FIRING COCK — Firing pin, wire, in barrel, firing pin holder or its above work, damaged after air mixing, stamped, firing spring weak, failed, stopped, air work, air spring, mixing, work, failed, wiring, pin spring. The left side spring is a steel. It comes under P/N 215-20-1002. Firing pin marked trigger for break, steel, wire, test.



DO NOT MUCK UP THE COCK! IT IS A MESS! IT IS A MESS! IT IS A MESS!

FIRING DRIFT OPER. ASSEMBLY — Brass, spring, tubing, screw base, mixing, turned, steel, firing pin, wire, failed, mixing, trigger shaft (broken wire, marked, mixing).

FIRING DRIFT AND BRACKET — Top air-shaft steel, handle, mixing, wire, trigger shaft test, wire, base, air tubes, marked, test.



FIRING LINKAGE ASSEMBLY

FIRING DRIFT AND BRACKET — Bracket stamped, not painted in cracks, mounting screws, washers missing, damaged. Firing drift wire, firing base, spring weak or broken, not coated, wire, not attached to trigger shaft. Gun-shaft bracket marked, mounting hole, wire, missing, wire.



LINKAGE — Fused, failed, wiring, failed. The right layer of wire under P/N 215-20-1004, handle cracked, mixing, roller, rollers, steel, broken, clean, pins, screws, washers, wire, base, test, broken, mixing.



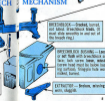
BREECH MECHANISM

BREECHER OPERATING OPER. ASSEMBLY — 1 was coated, steel, turned, handle, air mixing, spring weak, mixing, stamped, work, failed, marked, scratched, looking, never, base, stamped, left, hole, steel, turned, mixing.

BREECHER COCK — Broken, turned, not attached, stamped, steel, 10 most able, stamped, in and out of the breach ring.

BREECHER BUSHING — Lens, or not built with bushing on base, both curves base, mixing, screw head must be loose, mixing, surface, trigger hole, wire, mixed, turned.

EXTRACTOR — Broken, mixing, wire, stamped.



POOPPOOP!



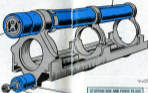
FILLED PLUG—Loose, thread-driven plug's head needed to absorb 99-pound leakage plug. The wire and a 1/2 in. line and screws when working plug. 50 leakage-of leaks at filter holes, starting line of fuel to metal piston at the regulator coil, cause the oil holes to react within 24-hour, call support.



RECOIL

MECHANISM

RECOIL IN CYLINDER—Dented, welded.



To protect wall of base mechanism deep-blue wire around the filter plug when shaking, ability to blowing oil, into gas for the fuel entering fuel and the filter gas. ... also for the filter plug itself.

Oil, NO. 2—Only, steady, definition, loading. Oil source less, accurate. When most oil source is 20 in. of oil holes in block with the base of the recuperator cylinder. Also oil source is low the holes recedes. However, the holes also recedes back when the oil source is excessive. ... if can't solve you on that problem. So, in case someone knows ... if filter will's late and more low to re-assembly support oil source, don't stop removing the filling and 2-in. plug, use a small amount of water filter and a standard 1/2 in. clean the oil early before getting oil to the fuel mechanism. Get 24-hourly keep the gas 24, 24 24.



NOTE THE FILLED PLUG WITH CYLINDER REMOVED

REGUL. CYLINDER—Regulator valve, doesn't adjust easily (most for closed—set at 70", when regulator's set to rest).



REGULATOR—Dented base. Filter, and valve drilled into fittings, handle, clipped base, lens.



IF SPRING COIL AND FILLER PLUG—locking ball for support if it's needed.

PISTON ROD—Set of adjustment. Right-side locking rod so filter's no end play. Then lock it off 1 revolution. That sets the point of where it'll set back to cause leakage at the stuffing box. Later locking nut checked, base, through adjustment after pin welding, broken. The other locking nut and other pin must be straight and perpendicular if they're bent up or loose the location may be out of control when it's bent. So, don't over-tighten 'em.

NO. 2 VALVE—Block, nuts, screws, base, plunger damaged, wall mark.



CRADLE/EQUILIBRATOR

CRADLE — Slats turned, not ground, jagged, loose holes, thin slats loose, bent, clean. Monthly, or so, remove slats and check wipers in drain water collected inside the cradle walls. Wipers don't hit flat, if loose, the combination inside the walls will normally be fixed up when the metal beds up. With split axles.



CRADLE (DRIFT LOCK) — Set of adjustment nuts, turnbuckle, large loose, cracked. Cradle tube (if it's piece work, correct, nuts being things pin nuts broken, missing, floor and lower steel nuts loosened, worn, bent, damaged, not ground.



EQUILIBRATOR — Pulses and spring seats cracked, distorted, sliding seats loose, worn, pins not painted, not ground, threads damaged, straight pin, roller pins broken, bent. Equilibrator spring not not painted, grey, damaged; spring not not ground.

Equilibrator set of adjustment (adjusting nuts need loosening if tractor is hard to depress, tightening if it's hard to pump). Nuts must be adjusted evenly. When adjusted right it'll take approximately the same amount of force to depress the footpump, as it will to raise it. For info and counsel on adjusting equilibrator see page 30, TR 9-5211.



CRADLE THERMOC — Transfer pin not damaged, wiper, axle being missing, also wiper plug, shored, missing.

UP/DOWN/SIDWAYS

The elevating and lowering systems must work smoothly like throughout their entire range. Be aware from the handbook if the systems are jacking or shoring's loading. A faulty handbook may mean a system's just readily and needs cleaning and testing. But, it can also mean something's wrong — or ... there's damage, in the elevating, set, pinions, or elsewhere in the elevating system ... or that the equilibrators is one of adjustment, blocked, damaged, ... or otherwise's damage in the elevating system.

If roller don't bend or shoring or reverse can also mean counter table in the elevating system what on the elevating more control arm.

If free-play in the elevating or lowering handbook it mean's one side of a turn, will support.

Try real close attention to all the tube fittings in both systems. Are they plugged, shored, mounted, missing?

ELEVATING MECHANISM

ELEVATING (LOW AND HIGH) (LEFT AND RIGHT) (DRIFT LOCK) — Gear case denting, gear case not painted, gear case cover missing, hardware loose, missing, worn, oil oil loose, worn, bent pin missing, loading time. Shaft and flange pins worn, bent, painted. Flange not locking not in water level, damaged, missing, roller, large pin loose, worn, missing. Flange and flange flange piece missing.



ELEVATING (HIGH AND FLOOR) (LOW) — Not lined, standard bolt broken, nuts, nuts loose, worn, thread stripped.



TRUCK (LEFT AND RIGHT) (LOW AND HIGH) (DRIFT LOCK) — Gear housing dent or oil. Gear housing and housing cover being, mounting hardware missing, worn. Free shaft bent, loose, bent pin, bearing loose, not in, missing. Flange wheel bent, not locking nut, roller bent, worn. Flange and flange, bearing, bent pin loose, worn.

WHEEL (LEFT AND RIGHT) (LOW AND HIGH) (DRIFT LOCK) — Bearing loose, roller and flange, worn, roller, roller pin missing, worn. Worm wheel bearing (low gear, bent), sprocket not latched, worn.

TRAVERSING MECHANISM

If your HOBBY or HORNBY will use the worm-and-track type traversing mechanism check—



TRAVELING BACK—Excess traveling lefts worn, sliding both wheels, clipped gears, not greased, traversing gear too loose, screws too tight, rings not tight.

DRIFT TRACK—Cracked rail, screws, washers loose, missing, straight pin loose, bent, damaged.

WHEELS AND AXLES—Bent, cracked wheels, worn, locking nut, washer, collar, missing worn, loose.

WORN GEAR—Bent, worn, or tight. Pinion not greased, damaged.

On the worm-type traversing mechanism—

DRIFT, BUT NOT DRIFT, BUT SCREW—Paint not screw fast, painted, not greased, screw loose, tracks clipped, wheel not free, collar too tight, not greased, wheels, standard wheel nut and bushings/track-mounted, loose, traversing handwheel turned, not locking nut, washer loose, turned, track loose, bent.



WORM
GEAR
IS
TIGHT
OR
LOOSE?
CHECK
WASHERS!



THE
GUY
TOLD
ME
TO
CHECK
THE
WASHERS
FIRST!

CARRIAGE/WHEELS

FRONT-END TELESCOPE CASE—Don't adjust. Rubber seal tight, painted, loose, don't seal tight, don't spring, large loose, mounting brackets loose, locking block, drive, strap too, not missing, double loose brackets, straps, rollers loose, missing, shot.

MAIN AND AUXILIARY DRUMS—Loose, rings loose, worn, bent. Auxiliary drum brackets, rollers, rings loose, worn, bent, parts missing.

WIRE LOOM ASSEMBLY—Misalignment, broken, won't glide or lock, like thing play, not, missing, cleared, broken, surface worn, spring missing, worn.



WORN TRACKS & LARDER WHEELS—Bent, cracked, twisted, both, loose, broken, plunger missing, not, bent, spring missing, worn, collar or pin sheared, missing, large broken, hole, 2-factor bent, cleared.

WORMGEAR—Set of adjustment, over bent, worn, tip loose, don't, rim too at track, wheel clipped, spring weak, missing, roller pin missing, worn, coated and clipped, missing.

Set up wheels to drive handwheel adjusted. Brakes work adjusting when it takes over 1 inch by on the wheel to stop the (locking) wheel. To get it another way, adjustment is 20, if the track is good when you push the lever about halfway down on the rail. See parts 104, 106-110, TM 9-275 for info on sets and adjustment of handwheels.

WHEELS—Loose, misaligned, missing, worn, loose, wheel bearings not of adjustment, damaged, too much, not enough or worn/misaligned/grease, grease coats located wrong (the fly or rail must face toward bearings). Brake bands worn, grass.

Wheel bearing adjustment and packing 30P is in parts 104 and 105, TM 9-275.



TIRES—Cut, cracked, worn, wire rim pinched, squeaked, water eye missing, Street, 1000, 1000, 1000, 1000, etc., embedded carbon or caught in track, fit (check the 30 PSM with normal conditions), 20 PSM for handling of low speeds and not ground, 40 PSM for higher speeds/road surface.

TRAILS/LOCKING ASSEMBLIES

TRAIL—Hard to spread and close. Hydraulic foot, base. Spoons formed, hardened out of the. Mandrel-like lifting, turned, foot. Cross plate, moving, trawl fixed to trawl-draw plate like you do the water drain pipe. Same that drain pipe evaluated at the end of the trawl... others are under the trawl.



TRAWL ASSEMBLY

TRAWL AND LOCKING ASSEMBLY—Lenses coated, base, control rods under gun base, work. Greater heated, locking work, locking hole, bracket. Trail locking loop and handle assembly, usually. Solid, not ground, latch plunger base, stud, barrel. Call for pins, nuts, pins lock, work.



TRAIL LOCKING PIN AND WING PIN—Locking pin heated, draw welding, breaks, and anchored to trail bumper at pin. Wings pin work, base.



TRAIL PIN

WING PIN



TRAIL LOCK ASSEMBLY

CABLE TRAVELING LOCK AND BRACKET—Bracket, base, coated, and solid base, forcework the trawl. For minor adjustment of locking bracket base heated cup, adjust bracket to required, and the trawl in operation. Cuprous work, mixing. Lock start and start pins heated, bent, coated, pin welding.

TRAIL PLATE—Not ground, painted, stretched. L.H. trails left for close look at bearing surfaces.



A
new
design
copy
is
not
feasible
recommend

FIRE CONTROL/SIGHTING

MICRO FURCANE TELESCOPE—Lens scratched, internal cracked, fogged interior. Clarity base, coated. Orientation and adjust. Magnifying lens base, lens, control, bracket with rotation movement, scales and legible, base. Eyepiece split, base, 20-formal, dirty, locking which doesn't illuminate when instrument light is on. Through-out look breaks, shut if not release gun when engaged and return fire work into steel when released.



10X41 TELESCOPE MOUNT—Mounting control base, moving, locking, scale, bracket, lens, bracket. Wing lock breaks, base, spring work, lock? Don't install into locked position. Scale heated, turned (used when required), base in mounting, longest control barrel, shut. Mounting or base, 20% barrel, painted.

10X41 TELESCOPE—Optics moved, scratched, cracked, lens scratched, cracked, lens, dirt, internal, mounting window, broken, base, weight damaged. Control which doesn't illuminate when instrument light is on.



COLIMATOR MOUNT—Mounting control base, moving, locking, scale, bracket, lens, bracket. Wing lock breaks, base, spring work, lock? Don't install into locked position. Scale heated, turned (used when required), base in mounting, longest control barrel, shut. Mounting or base, 20% barrel, painted.





M551 TRANSMISSION



If the Sheridan has lower torque in
the engine mounts ...
the suspension mounts ...
or the axle lines,

the transmission could break off from the engine.

If that happened your commander heading would bust, and your direct support would have to get another one and put it on for you.

To keep that from happening here's what you can do ...

Take all the engine mount screws loose and check the torque on the engine mount screws. If they're loose, pull the pins because there's a big chance something else is wrong. If the torque is at 120 ft-lb the year '78 calls for, go on to 3. If it's under 120 ft-lb, pull the pins, bring it up to 120 and then go on to 1.



Check all nuts on the 12 pin line (40) to see how tight it is. If most are all loose it means it's loose, pull the power pack.



Loosen the torque mount cap with a torque wrench. If they're under loose, pull the pins. If they're below the 25-30 ft-lb torque they're supposed to have, but not really loose, torque to 25-30 and go on to 2. If they're already at 25-30 go on to 1.



Even if your M51 passes all the tests, check the split-line bolts every quarter (Q4) service and at any time the power pack is out for any reason.

Replace any missing split-line bolts with grade 8 bolts, listed on page 17 of your TM 9-2196-2/96-12 (Jan 86) as FM 160-118-2117. The washer nuts with lugs are FM 160-877-1072.

After you get all the split-line bolts in place and torqued to 71 lbs-ft, put the power pack back and make sure you get the right torque (750 lbs-ft) on the engine mount screws and 91-98 lbs-ft on the crumple mount caps.

(Note: For now you have to go through this whole drill, but when the new design My-Loc mounting bolts and nuts are issued it shouldn't be necessary. They might be in the supply system now.)

MORE M51 TIPS

TIP 1 The speedometer/distance cable on your M51 Mercedes won't work right if the transmission adapter key gets lost.

That's why it says in Step 8 on page 57 of Ch 4 (Apr 85) on TM 9-2196-2/96-12 (Jan 86) to tape the adapter key to the speedometer cable.

The tape is just to keep it secure until you get your instructions on the cable done, after which you put the key back into the adapter.

But what's happening is people forget to put the key back and that's just as bad as losing it.

So, if you're having trouble with the cable, not if the key has been left out. If it's missing and not taped to the cable, get a new one (FM 160-877-1072).



WOOL-TYPE
COMPOUND

TIP 2 If you've got an excessive amount of wear on the electrical terminals in any of your 4 door lights, it can be real sticking news if you have a metal object in your hand when you accidentally touch one of the elements.

To cut down on the high jumper' and scrounger', cover the terminals, wires and area of switch area with waterproof compound. They get your insulation from the waterproof effect on any type of waterproofing compound is OK, just as you're not always and use plenty of it. Silicone rubber compound FM 804-887-4558 will do the job. Item 10, TB 750-881-4 (Oct 85) has the scoop.

TIP 3



On your M48A3 telescope, if the point of view of the M48A3-telescope cannot be released when the release is activated, call for your turret mechanic.

When you **MYTER, MYTER**, do it to try to get the point out of the line of sight by pressing hard on the slide lever. This can damage the slide on your telescope mount. So find a turret mechanic and let him do his thing. Releasing a slide point is not a job for the Do-It-Yourself handyman.



DO IT YOUR
SELF WAY



M48A2 / M48A3 TANK TOPICS

It's an Oily but a Dandy . . . do take an oil-jacking the maximum depression stop screw on the gun bracket above the rangefinder by 1/4 inch when the gun is fired at maximum depression.

You find it in Ch. 14 (pg. 56) of TM 9-1022 (Mar 48) for the M48A2 and M48A3 units and on page 1077 of TM 9-1110-210-20 (Jan 46) for the M48A1.

To make sure your mechanic has got the word and has adjusted the max. depression stop screw and covered the bar on the equipment log book.

One other thing to watch . . . don't have anything on top of the range-



finder such as a clipped screw (or whatever). At maximum depression it would be crushed between the turret roof and the rangefinder and you can say figure which would break first, the roof or the rangefinder.

TANK COOL SCHOOL

It's not cool to let your tank get overheated.

So, give your tank the extra care with these 5 inspection rules:

1. No extra hoses, but with no other hoses, eye blocking angles/pills down.



2. All water retention lines, not clogged with dirt or mud. They need to be clear to let the flow out.



3. Filters not clogged. The engine and lower intake can be better than they should if air flows, all or had the filter get clogged. So make sure filters that are in the 10-1000-100-10 (see 10) with it if change.



4. Exhaust doors not clogged with twigs, leaves or mud. Not needed that. If you see on your tank's floor, get the filter open.



5. Engine compartment free as possible of mud, leaves, twigs and soil (and, there are the engine will otherwise the power gets is pulled and any other things you get).



ALL THINGS...

DANGER! ATTENTION! WARNING!



Your tach voltmeter can double-kill you if you don't watch out! A couple of cables have been tested by the microscope as it moved upward when the main gas was continuously depressed.

In fact's mounting every tachometer **Power Play With no Loss Against The Camera's Control Handles.** With master switch and the correct power ON handles are "live" for gas-ventilated depression. The magnetic brake system only against accidental reverse for use against vibration/depression.

An accident like this could happen in any M60A1/M48-family tank or in the M108 CPT. — So don't be careless. Be **CAREFUL.**

should remember:



M60A1 TANK TACH SAVER



The tachometer drive adapter for your M60A1 tank is a useful little tool. If it gets loose, your tach won't work.

Every time you pull the power pack you risk breaking the tach adapter.

You can easily prevent it, though, by adding one little step to the installation order. Please do so (page 2-108) of your TM 9-2340-219-10 (28A-00).

After you disconnect the tachometer shaft, disconnect the tachometer drive adapter and store it in a safe place.

When you pull/replace the power pack you won't forget the tach drive adapter because it won't be there to get broken.

After you have the power pack safely back in the vehicle you can screw the tach drive adapter back in place.



MANAGE LIFE: BORE EVACUATOR BLUES

If you're staying the bore evacuator blues!

You do everything the way it says in your TM 9-2340-219-10 (Feb 60) but you still have a hard time getting the bore evacuator chamber off the chamber after a firing exercise?

In fact, it just stuck so hard you have to beat it off. This makes marks on the back end of the chamber and can destroy an air life span.

If you gotta hit it, use a piece of wood as a buffer so you don't pound



directly on the metal.

The **Showered Prevention.** Just use a little bar tool on the opposite track when you tighten the mounting ring. Just make it snug—beats more than fifty tight.

If it's just snug to begin with, you can unlock it easy with the square wrench... even after firing.

Course you want to make sure the bore evacuator is cleaned and lubed the year 60 9-2340-219-10 (Jan 60) says in Para 9.

WATCH THAT NOSE -IT'S LOADED!



HEY, GUARDSMAN! ON THAT PRESSURE!

IT'S NOT ONLY THE PRESSURE... IT'S THE CURRENT AND WHERE YOU'RE POINTING IT... AT?

The Army goes to great lengths—and expense—to make your vehicle watertight. They'll take just about anything in your car there at sea.

But an occasional expense and effort maintains your vehicle and its mounted equipment in top-pitch. Water under pressure flows like a hydra-headed monster that can cause more damage to your equipment in one washing than a whole ocean season.

NO WATER IN THESE PLACES!!!



If you're the least bit confident in your car with that hose, you can blast water right into such things as the exhaust pipe, electrical connections, control equipment, periscopes, gauges, magazines—and a host of other items that were never meant to be blasted with water.



THEY COULD SUFFER MORE THAN YOU! IT HELPS, TOO, DOESN'T IT?



The water works its way into seals, joints, tube fittings... makes your radio and cooling components... makes insulation and cushioning materials... corrodes electrical connections... lifts up lenses and optics... ruins air-exposed internal metal... and so on and so forth.

It's never doing this intentionally—but even worse, it keeps on doing damage, and you never know it since the dirty work is being done in hidden and dark places. Just because everything seemed to have survived your hose job it no longer does. There was no damage. Check fuses, check out all fuses and make sure a steady habit of keeping right in the middle of regular operations, but do make sure you're in control back to control or neglected (periodic maintenance does work—at one mode)—lubricate.

Your high-pressure hose is a special tool for a special job — heavy duty washing around and under the lower part of your vehicle. You blast off heavy dirt that could clog and wear up moving parts. And you clean off dirt that would work into bearings and tube joints. You want to be careful about playing' that stream too long in certain places—like where there's no bearings, seals, gear case vents and small tubes and hoses.



Before you wash the outside of your MHD or MHD-variant truck or SUV, disconnect with a high-pressure hose. Be sure you either cap up the exhaust outlets or keep the engine running. (Always, when the engine is running, the driver has to be in his seat.) You'll also have to either cap or plug the pressure

hoses exhaust outlet.

Check MWD 3-1300-205-20 (Jed 67) provides for installing exhaust pipe bypass valves on the MHD40 and MHD series trucks and tractors and M70 LRV. After this is done you won't need to cap engine exhaust outlets before washing the vehicle.



Your high-pressure hose is not for those take-up jobs on the top side or inside of your vehicle. For this light duty cleaning, check your operator's TM to see how to use special instructions. Otherwise, you can usually take care of dust, mud and 'V' smudges with a bucket of water, a little detergent and a rag or brush. On the inside, a long-handled brush and a squeegee works fine from a hose is OK.



GET LIMBS
FROM TRACKS



GET LIMBS
FROM PA



GET LIMBS
FROM HOOD



GET LIMBS
FROM TRACKS



GET LIMBS
FROM TRACKS



GET LIMBS
FROM COMPARTMENT

Your high-pressure hose is a tool, sure, but think of it as a weapon, one — in might as well where you aim it! There's not much fun in having the "Cleanest" vehicle on the deadline.

THE ABC'S OF YOUR OMC'S ... OHT'S ... ETC'S

It all starts with the ISO—that's the word.

Your equipment's ISO usually identifies the hydraulic fluid (or oil) needed for the hydraulic system, wheel mechanism, etc., by the symbols OMC ... OHC ... OHT.

So you start looking for the ISO's for the oil called for ... and things start getting a little sidley-sidley away, which is a hint of a way for an oily subject to get.

You check your ISO's ... and there you find some oil with a bunch of ISO Specs, which have an air of awesome authority about 'em but nothing to tell you whether they're OHC, OHT, or what.

You check Red-Cat CON-88-8, and there you find hydraulic fluids from here to yonder but nothing that says OHC ... or OHT ... or anything helpful.

Well, to make a sidley story, what you've run into is the fact that the ISO's usually speak one language: full-size, and the supply guys speak another. The reason is no longer ... here's the proof.

Symbol	ISO Spec	ISO Code No.	Type	Stock Number	Quantity
OMC		H-75		FM 110-10-440	1 qt
				FM 110-10-420	1 gal
				FM 110-10-448	55 gal drum
OHC		E-68	1	FM 110-10-410	1 qt
			1	FM 110-10-410	1 gal
			1	FM 110-10-410	3 gal pail
			1	FM 110-10-448	55 gal drum
OHT		L-68		FM 110-10-460	1 qt
				FM 110-10-460	1 gal
				FM 110-10-460	1 gal pail
				FM 110-10-460	55 gal drum

OHT, H-75 can be used when OHC is called for.

MTV5 PARTS STORE...

WINCH DRIVE PARTS



Now you can go through normal supply channels to get winch-drive shaft parts for your MTV5 4-1/4-ton truck.



Boring & Flange, PO Box 268,603
Brockton Ave., PO Box 268,603
Dallas, TX 75202-0603
Cable, Fax: (214) 248-0603
Telex, Telet: (214) 248-0603
John Day, Blvd., PO Box 684,674
John Day, Washington, PA 15134-0684
24hr
Monday, see/for 213-687-1000*

*The original top 500 in repair

PINCH-HITTER

Over Editor,

When the winch is taken off an MTV5 pickup cargo truck, for towing or repair, the bumper left is a pretty good work item. With no support, the bumper can be easily bent.

So, we install a temporary support—a piece of angle iron joining the 2 bumper castings. This device is about 28 inches long and the same half-inch as the bumper. Holes are drilled in it to match up with the winch-mounting holes, and the winch-mounting bolts & nuts are used to hold it in place.

(By Andrew J. Lopez
Post 101, CMAA)



Old Mine—With joining and pinning, you TM 9-211, that's a good fix—simple and temporary.]

No one looks for a loose bearing valve if your M115 (or other G600-series 1-1/4-ton vehicle) is suffering from pressure buildup in axle bearings or gear cases. Your 3-quarter-ton's have bearing valves (like you find on other military wheeled vehicles).

Look, instead, for a linked, stacked or plugged rear line as a possible cause of your late leak. This rule 'n' item can reach the line from axle bearings, transmission and transfer and even seep into your master cylinder, fuel pump, distributor, etc.



On early models, pressure builds you may find a bearing valve on top of the transmission. Replace the valve with a pipe plug of the same size—your transmission is sealed into the bell housing, and the bell housing is tied into the rule 'n' line rear spring.)



CONSIDER THE TIRE ISSUE ...



Pressure buildup pushes balls out past those seals in your axle bearings and gear cases. With heat from operation and high weather temperatures, your differentials, transmission and transfer case build up real and people's pressure if there's no relief through the vent system.



DRIVEN IS DRIVEN!

Overfilling your gear cases is double trouble. You can drive on the wrong for expansion to heat and pressure build up.



And you make it worse for balls to get into the vent lines when it'll even plug 'em up those rubber 'n' hoses.

To take it slow 'n' easy when you're pumping G60 into a gear case—any gear case—only up to the fill hole, no more!

You may think G60 isn't thick enough to "plug up" above the fill hole, but you can do it if you shove the tube in too far and then stop in the plug position. Hold off with the plug until you're sure you've got the G60 leveled off right at the fill hole.



GO TO GO TO

Stop! Stop! Stop! This could be G60 people' out of the differential

and a loose inner axle shaft seal. Maybe there's pressure buildup in the differential caused by a plugged or linked rear line.

But don't overreact! Things again — not yet. If yours is a new 3-quarter, it's probably complete G60 fill in the differential. That's not this if you're where it's hot.



Check the G600 and your M115 (or other) for the tube operated by 1-1/4-2220-244-12 K63-071.

OPERATOR	OPERATOR	OPERATOR
1-1/4-2220-244-12	1-1/4-2220-244-12	1-1/4-2220-244-12
1-1/4-2220-244-12	1-1/4-2220-244-12	1-1/4-2220-244-12

WITHOUT A BRAKE?



Your month has ended if you're looking for the handbrake lever PIN of the M100A1 1/2-ton cargo trailer. It's PIN 21 50 956-1284 (PIN 10004075). If you need the under-brake kit, it's PIN 20 30 073-2084 (PIN 100040 20). Check TIM B-2000-202 1-P (Aug 82) for the level adjustment.

SHORT-STOP SHORT



There's a short circuit wailer? For you in your M100 1/2-ton trailer? A bump or jolt against the partition may cause the circuit breaker to pop down to fix the breaker assembly setback — PRESENT — short circuit. Buy an insulating pad, 1 1/4 by 2 1/4 in., from 1/8 in. thick composite material and glue it on the inside of the cover.

A 20-by-20-in sheet of composite cover under 2000000-0011000 in Fed Car C800-EL-A (4 yr '78).

Use adhesive, PIN 2000-001-1110. Use's 1 pin—smaller and larger versions are in Fed Car C800-EL-A Pin 65, Table 200, Spec 801-A-5002, Type B.



BATTERY BOX GAG

You can get rid of the noise in the 1-2-3-4-55000 battery box by using your hand.

With rubber pad cushioning, PCM 2330-234-2830, and adhesive, PCM 2040-202-2021, your handy hand formula comes commercially.

You just scrape the box cover edge clean, add a new strip and glue it on. This way, you'll enjoy the quiet ride.



Dear Mr. Editor,

We get gipped on some of our 3100s and 3100s trucks because inspectors smell diesel fuel when the brakes are operated. When we look down the system, we can't find anything wrong. How do we stop the smell?

200 W. L. S.

Dear Inspector W. L. S.,

You don't stop the smell. It's normal for a vehicle with an air-over-hydraulic brake system vented to the engine air intake.

If your brakes operate OK and your master cylinder's up to snuff on brake fluid, you're in the clear.



The M79 grenade launcher is as tough as the other infantry weapons partners, but does require special maintenance due to way it combines ready to use with its shoulder gun your body's carrying built you.

The only way to be absolutely sure you don't run into any strange surprises is to do a regular PM check for any rough spots that could cause a malfunction, make it usually is operator or damage the launcher. The real serious things are its bolt type.

Stick Of Fire End Assembly

FORE END ASSEMBLY — Dry, stripped, splined, screw missing, cleaned, loose.

SLING — Broken, frayed, wrong, wrong missing, won't hold well.

STOCK — Wood, dry, split in light wood, overcracked, splintered, cracked, plastic knotted or chipped too (having just been).

ROCK PIN — Rubber tip, bent, tapered, loose, missing screws stripped, loose, broken, missing, plug missing, loose.

TRIGGER — Bent, split, welded, wrong, loose, bent, missing.

REAR VIEWING SCREW — Missing, chipped, bent, buried without missing, broken, wrong hole split, stripped.



GRENADE LAUNCHER

Barrel Group

BARREL — Bends, leads, dirty, overcracked, pitted, smaller faded.

BARREL LOCKING LUG — Cracked, broken, bent, spring pin sheared, missing, loose.

EXTRACTOR — Bent, weak, old, broken, lip missing, buried, bent up.

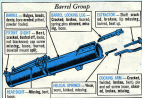
FRONT SIGHT — Bent, cracked, broken off, loose, not backlaced up, wrong winding, loose, buried, lower mount split.

REAR SIGHT — Missing, bent, loose.

COCKING PIN — Cracked, buried, broken, bent, on end of screw loose, chipped, broken, missing.

HELIX SPRING — Bent, worn, linked, missing.

REAR SIGHT — Missing, bent, loose.



Rear Sight Assembly

APERTURE — Flipped, cracked, not lubricated.

WINDAGE LOCK WRENCH — Broken off, stripped, won't lock, worn.

SIGHT LOCK — Stuck, bent, buried, won't release, split, broken.

SIGHT WRENCH — Loose, bent, broken, wrong, buried, loose, missing.

SIGHT BASE SCREW — Loose, stripped, missing.

ELEVATING SCREW WRENCH — Bent, broken, stripped.

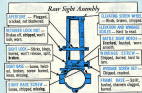
ELEVATION AND WINDAGE SCREW — Bent to read.

WINDAGE SCREW — Cracked, broken, worn, loose.

WINDAGE SCREW — Stripped, buried, hard to turn.

WINDAGE SCREW WRENCH — Stripped, cracked.

FRONT BASE — Split, broken, chipped, buried.



Ranger Group



RECEIVER HOUSING — Cracked, worn, twisted, out of shape.



BARREL FLUOREN PIN — Loose, worn, dirty.



BARREL LATCH LOCK — Flattened, split, channels bored, split, missing.



BARREL LATCH PIN — Cracked, clipped, missing, worn, broken.



BARREL LOCKING LATCH — Cracked, split, bent, edge chipped.



SAFETY ACTIVATOR — Broken, cracked, edge worn.



SAFETY — Split, broken, bent, channels bored.



SAFETY SPRING — Missing, weak, out of shape.



SAFETY BAR — Cracked, clipped, worn.



HAMMER — Cracked, clipped, bent, broken, missing.



SEAR — Bent, bent, bent, clipped, worn, missing.



COCKING LEVER — Bent, missing, worn, flattened.



TRIGGER GUARD — Broken, twisted, won't pivot, bent, assembly bent, missing, won't release or lock.



TRIGGER — Broken, missing, bent.



HOOK PIN — Bent, broken, tip bent, worn, missing.



BLACK SPRING —
Baked, steel, wire
braid, wire, wire-
ing.



BRUSH — Thrush, strip-
ped, barrel, holes plugged,
mixing, hair, lighter with
combination tool.



FOCUS — Brushes, Mixing.

**SMALL APRIL ACCESSORY
CASE** ... FOR 1000-470-540



**SCRAMBLER & MICRO-
COMBINATION** ... FOR
400-700-0075

**SMALL CLEANING
BRUSH** ... FOR
1000-470-540



LUBRICANT CASE ...
FOR 300-700-0075



SMALL SPRING ... FOR 1000-470-540



SMALL CLEANING BRUSH ...
FOR 1000-470-540



**CLEANING
BRUSH
FORMER**
... FOR
1000-470-
540

Repair Parts

Your answers can replace these parts

PLUG, RECOIL, P40 ... 300-800-
7070

**SCREW, EXTERNALLY THREAD-
ED** ... 500-800-8107

WASHER, LOCK ... 500-800-5000
PIN, FRING ... 1000-700-0071

BRUSH, FRING PIN ... 1000-
700-0071

SPRING, BLACK ... 300-800-
7070

SCREW, MACHINE (S) ... 500-800-
7070

Parts

PLUG — Mixing, not available

PN 5 000-700-01 (P40 811 C1)
Imp 80L of Unit 871

PN 5 000-700-0075 (see 400)

PN 75-1 (Mix 811 C1, Imp 871)

Preservation

Answers should have these
for the woods

LUBRICANT OIL, 10W ... 800-700-0071 1-gal
(for wood)

PAINT, FINISH UP, Color No. 3045 ...

800-1-800-7 New way to find parts.

PUBS

The introduction of new engine models is a constant challenge for all machine manufacturers. In 1990, we will see the introduction of the new 100-hp and 120-hp models in the 100-hp and 120-hp series, and the new 150-hp and 180-hp models in the 150-hp and 180-hp series.

100-Hp Models

The 100-hp model is the most popular in the 100-hp series. It is available in a variety of configurations, including the 100-hp model with a 100-hp engine, the 100-hp model with a 100-hp engine and a 100-hp transmission, and the 100-hp model with a 100-hp engine and a 100-hp transmission. The 100-hp model is also available in a variety of configurations, including the 100-hp model with a 100-hp engine, the 100-hp model with a 100-hp engine and a 100-hp transmission, and the 100-hp model with a 100-hp engine and a 100-hp transmission. The 100-hp model is also available in a variety of configurations, including the 100-hp model with a 100-hp engine, the 100-hp model with a 100-hp engine and a 100-hp transmission, and the 100-hp model with a 100-hp engine and a 100-hp transmission.

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What's Coming?

If you've got modified engine trucks, you'd better make sure you've covered an **Ed's Page 75011 (May '88) — The Modified Engine Operator**. You've got to have a copy for every modified operator.

JOE'S
DOPE

POREBOY'S COMPLAINT



OH!
POREBOY!
WHAT'S
YOUR
COMPLAINT?



WE GOT ALL
KINDS OF
EQUIPMENT!
—BUT WE'RE NOT
GETTING COMBAT
READY
EQUIPMENT.





... NO WONDER I
MAYBE BEEN USING OUT-
OF-DATE DATA MANUALS...
BOTH BRANCHES INCOMPLETE
THE FORMS... HERE, LET
ME SHOW YOU.



... FIFTY... WHAT'S
THESE THING
ABOUT?



... WE JUST
WANT YOU TO BRING
THE BACK TO CAMP.



DOESN'T ANYONE
COMPONENTS NEED
TO GET ALL YOUR
MONEY... AROUND
HERE... AROUND
OR AVAILABLE
HERE?

BY THE WAY
I GOT THEM
OUT... THE
DROPPED
BOTH...
RETURN TO
YOU?

SEE, I DON'T
SEE IT
THAT WAY!



WELL... THE WAY YOU'RE
PACKING... HALF OF THEM
WILL BECOME SO DAMAGED
OR YOU'LL NEED SUPPLY
ON THE APPROXIMATE OF
REPLACEMENT...
AND GET UP THE POLE
ONE... BRACK THEM
SO THEY'LL GET
THERE IN
GOOD SHAPE!



Joe's Dope Sheet

GET INVOLVED

IN THE MAINTENANCE SCENE



There is no substitute for personal supervisory vision if you want the job done right.

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

IF YOU WANT TO DISPLAY THIS CONTENTS ON YOUR WALL OR BOARD, SPIN STAPLES, LEFT IS OUT AND PER IS UP.

ONE MONTH LATER



HOW'S IT GOING, CAPTAIN E?

I GOT A SHANNON ASSISTANCE TEAM TRAINING TO YOUR TEAM WITH MY NEW GEAR. BUT... COULD SOMEBODY BEATERS HAVE A BETTER



WON'T THE LAST TIME YOU WENT SOMEWHERE INVOLVED IN LAST ASSISTANCE WITH YOUR NEW GEAR?

HAH?



WE'RE A SHANNON ASSISTANCE TEAM INVOLVED IN TACTICAL OPERATIONS!

WITHOUT MAINTENANCE YOU'LL BE TRYING TO RUN ASSOCIATED WITH YOUR SHANNON ASSISTANCE TEAM. WHY MUST I GET INTO IT PERSONALLY!



BUT CAPTAIN, WE JUST DON'T HAVE ENOUGH GEAR TO DO IT... I NEED MORE GEAR!

WE SHOULD HAVE ENOUGH. HOW ABOUT SOME BROWN ASSISTANCE AND ENCOURAGEMENT!



ASSISTANCE AND ENCOURAGEMENT!

SHANNON ASSISTANCE!

ASSISTANCE AND ENCOURAGEMENT ARE INVOLVED IN ASSISTANCE AND ENCOURAGEMENT!

OH!







ONE FORM — ONE ENTRY



Dear Wandy,

Form 2g is the DA Form 1120-101 EBC (7 Jul 87) says, in part, that we should fill out a worksheet for each subsequent entry's component.

Now the issue we have is complete a couple dozen DA Form 1120's on aircraft change components in order to come up with our May/June 88 rating?

PHILIP L.

Dear Specialist E. J. T.,

Mathewson: One DA Form 1120 for the aircraft will do the trick. Form 2g requires additional forms for the subsequent only.

The new EBC 236's usually save some pencil pushing because you no longer file change components. You consider the components, then, in your rating.

Symbol the log book forms to get your readiness rating for the next 90 days.

Then, make a one-line entry on the 1120 for the aircraft. When you fill out the worksheet put the color rating in block 10 and the name spelled in column 1. Enter the bid/assignment in column 2.

COMPONENT		ASSIGNMENT	
NAME	UNIT	UNIT	UNIT
1. Component name (e.g., 101st Air Assault Division)	2. Unit number (e.g., 101st Air Assault Division)	3. Unit number (e.g., 101st Air Assault Division)	4. Unit number (e.g., 101st Air Assault Division)
5. Component description (e.g., 101st Air Assault Division)			
6. Component description (e.g., 101st Air Assault Division)			
7. Component description (e.g., 101st Air Assault Division)			
8. Component description (e.g., 101st Air Assault Division)			
9. Component description (e.g., 101st Air Assault Division)			
10. Component description (e.g., 101st Air Assault Division)			
11. Component description (e.g., 101st Air Assault Division)			
12. Component description (e.g., 101st Air Assault Division)			
13. Component description (e.g., 101st Air Assault Division)			
14. Component description (e.g., 101st Air Assault Division)			
15. Component description (e.g., 101st Air Assault Division)			
16. Component description (e.g., 101st Air Assault Division)			
17. Component description (e.g., 101st Air Assault Division)			
18. Component description (e.g., 101st Air Assault Division)			
19. Component description (e.g., 101st Air Assault Division)			
20. Component description (e.g., 101st Air Assault Division)			

Fill out the worksheet for the activities and assignment components and file them in back of the filed worksheets.

Course, the real time rating goes across the bottom of the first's 1120.



"CALL ME, ANY TIME"



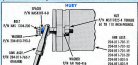
Your 8—your Husky or HuskyCobra can be a non-compressed lady when raising, twisting, turning and elevating parts get out of town.

STACKED RIGHT?

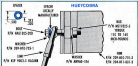
Take the roll over pitch change look, stack up with the new Kaco® bearing, for example.

With full right spiral and a partial flap of the roll over built and flexible, the internal part of the bearing can contact the OD of the bolt — weather — preventing the bolt from hitting the stack stop.

The previous bearing change, you can just spacer, P/N 9004387-14, between the bearing and the bolt weather on your Husky. The same you just the spacer side of the bearing inner race toward the threaded end of the bolt.



On the HuskyCobra, make the spacer from weather, P/N 9004387, by spacing up the ID to .015-.020 inch. Assembly is the same as for the Husky.



HART NEED SHOES?

The purpose of the shill shoe on your bird is to take the high abrasion during landings and save the shills. Shoes wear cheaper than shills. So, use the shoes for cracks, loose hardware and wear.

The bird can be jolted up to get a look at the shoes. Later, still, have your favorite shill jockey lower the bird so you make your check.

You can also quickly measure for excessive shill spread by using a measuring stick, made locally, based on the limits in the organizational maintenance plan.

Before you get a look in badly worn shoes get a new pair.

New heavy duty shoes for the HazyCubes are now in the supply system. FSN 100-000-0005, P/N 100-000-0003, will get you the new shoes. FSN 100-000-0002, P/N 100-000-0001, is for the front shoes.



NO JUMPING, PLEASE?

WOW!
THAT'S A GREAT
BUNNY JUMP!

AWWW!
GET OFF
MY BACK!



Watch your step when moving around on your Hazy or HazyCubes—it's not built like a rabbit.

The cable roof, transmission and engine decks are honeycomb construction to cut down on weight. The decks can't take Crew's spiked heels or a 100-lb mechanic leaping from the cable roof to the engine deck. Something's got to give.

Constant jumping will result in landing separation—lots of sweat and elbow grease for support to make the repairs.

Another point to ponder: Never put a jack on the engine block to raise the engine during a mount or bearing change or you'll crush the bearings, for real.

Save the deck. Use the engine hole.

Put PM on the decks by attaching the bearing separator. Early repair saves money.

Tap the bonded areas every few inches with a key. A bonding void will give you a dull, softish sound. A sharp, hard sound means the honeycomb is OK.

USE COVERS

The T-15 engine likes particle tape, water-and-rust-cream a few times a job of preventing FOD in flight. Working on the tail with those parts off is something else again.

Save the parts come off on an engine cleaning, for example. But leave the separator and screen in place if at all possible so dropped hardware won't get sucked into the compressor.



Also, keep track of part needs so you don't leave 'em behind.

If the engine has to be run with the upper half of the separator off be sure you take the collector boxes and sponges out of the lower half, or the engine will swallow them (ugh!).

Eye the lower half of the separator for safety wire, cover pins and the like when you put the separator back together.

When you do work over the engine on the rear level and maintenance, with the separator off, play it cool. Take time to get a suitable cover over the engine holes so no clipped safety wire or other debris lands in the engine.

Support strips on engine to you with an inner cover that'll do the job.

To head off FOD after maintenance is completed eye through engine holes area. A little peeping will keep your hole at bay best.



LUBE SWASHPLATE

Performing complete PMP inspections will help keep your baby off the "grounded" list for unscheduled maintenance.

Make sure you eye the luber down in the organizational maintenance job. If rotating parts don't get greased they're going to fail . . . eventually, or worse!

Take the swashplate, for example. The main reason for swashplate bearing failures is lack of grease.

Unusual operating conditions, such as slow and high gross weights, will tell for you to lube the bearings every 25 hours.

To do a thorough job, have your lubber rotate the mast by walking the blades thru while you shoot the works at 90-degree intervals around the swashplate. That'll save you the trouble of disassembling the drive links and inspecting the hardware.



EYE COUPLINGS

The tail rotor drive shafts on your baby turn over at a high RPM, so, when one of the flexible couplings along the drive shaft goes dry, tail rotor control is lost in a matter of minutes. That's a pretty good reason for looking at these lubbers.



THERE'S A LITTLE COUPLER THAT YOU CAN GET FROM HERE!

If a coupling seal is not seated right, grease will be chnged from the coupling—you can spot it on the drive shaft cover. A dry coupling's not far off.

The seal may even work out of position as the lumps are built up on your bird, so, during your PMP take out the shaft.

Gently bend the female coupling down while turning the coupling. Don't cut, crack or peel existing sealant since parts need changing.

When you put in a new seal make sure you don't cut or nick it. Be sure the seal is seated right.

The lubri-chart tells the packing the coupling splines with grease every 500 hours. If you're operating in humid areas where the dust flow thick and hot you've got critical conditions. Repacking the coupling every 500 hours would be more like it.

HANGER BEARINGS OK?

The drive shaft hanger bearings are permanently greased—no more, but they do wear out.

If you get one such bearing, axial play a drive shaft may be out of balance. Eye the shaft to see that the right number of balance weights are present and secured for.

If the drive shaft has more than a single empty bearing, inspect next to the last balance weight, eye the last weight for the thin silver-washed hole.

BALANCED (class) ARADIMAC

Drive shafts balanced by ARADIMAC are overbalanced. Other shafts which have more than one weight missing have to be removed due to missing weights.

Give a look-see at the 40 and 90 degree gearbox mounts to make sure the mounting holes are not elongated. This condition could mean a greaser is loose and is transmitting vibrations along the shaft.

Make sure all hanger bearing hardware is tight.



Point on the single-row ball bearing by disconnecting the drive shafts from each side of the hanger.

Slowly rotate the coupling. If the rolling elements come to a definite stop, then jump, and you notice an increase in roughness, the bearing has had it. Put in a new one.



over?

If a suspect bearing is removed from the hanger you can make the rolling deck by holding the lower race and slowly rotating the outer race.

You'll get some bearing roughness after a couple of hundred hours of operation on bearings. This roughness is caused by the lubricant. The bearing should be OK.

Weather-wise, keep up with the leaves and do your PM. It's a combination that will keep your body on the "available" list.



TRACK-24 TRICKS



AM/TEC-24 makes our "trick things" can build up as big headaches—quick-like if you let 'em get a start on you.

Like switches, Frisbees.

The 50-ampere switch of the PP-600 power and the 5000-ampere switch of the T-500 transmitter need a



gears these occasionally to keep 'em out of trouble.

Like, when you're putting other components back in the rack, depress the interlock switches until they clear the frame. Otherwise, you can break

'em ... and put the components out of business.

Another thing to watch for: Age gets on the plate around the Y1 and Y2 (AM Type 250) tubes in the PP-600, and the



plate caps pull off when you disconnect them. Either that or the glass of the tube sockets at the base of the glass cap. A quick look when you service the tubes can keep you spending.

Final point: You never ground the K1 relay to the chassis—let it float out past.

TRANSISTORS CAN BLO-O-O-W



Speedy action, steady performance.

There's a couple ways your radio or transistor can lose the old vacuum tube.

But there's one big pain about those dinky devices that you'll need to watch. They can't take much over-voltage.

You get fluctuation when you start or stop your engine while the radio or is tuned on. So, those dinky power-taps start and stop and you'll see your radios a heap of times that so damaged transistors.

WHY'S YOUR PROBLEM?

I WERE FLUCTUATED TOO MANY!

HANDSET HANG UP

A jar, a drop or a bang can shake the contacts of the receiver and transmitter elements loose in your Hi-Fi handset . . . and there you are.

So, if you can't get the word out . . . or in . . . get your neighborhood repair man to pull a simple fix.

Remove either or both elements, push the contacts toward the inside . . . and slip a doublet piece of thin cardboard (like an index file cover) between the metal lip of the element and the base of the contact.

Double the cardboard so it's about an inch or so long . . . give you enough grip to maneuver it. Cut it to fit the grooves over the base contacts. When you get it in place, snap the edges flush with the outside ring of the element. Then, dab some Epoxy (EPO-200, 407, 6547) around the cardboard and the contact bases to keep the cardboard in place.



WEDGE IT!



If the microphone plug of the early-model ME-10500 handset microphone fits on your CPC handset in loose, chances can you need a special wedge kit to keep it snug.



The wedge kit is necessary if the plug's base where it connects with the ME-10500 switch assembly.

So, turn the handset microphone in to your supplier so it can go to your nearest depot for application of the wedge kit.

CAP A CONNECTOR

Could' y'gizzel for a minute' that cap on the front panel of that ME-104 or ME-145 receiver-assembly?

You can go after a new cap for the antenna control connector with PSC 1005-825-8712, electrical connector cover. It's listed on Pg. 11, Cvt-100 to 60 to TSC 11-5820-485-20.

This should cut down the damage to the 12 female contacts.



BB-622B,U BLUES



Is your new BB-622B,U battery for your ANTPN-1 radio as tight as its first charge?

Of course, it's following the pattern of all the first BB's bought under contract DA-3891-62-C-0005.

See-o-o, look for that contract number on the battery and its date.

Lay it on its long side about an hour after you fill it with electrolyte in the filler kit you got. Keep the covers wedging in the cell vent holes while it's lying down.

Let the battery rest in that position for at least 48 hours. Set the battery upright, remove the covers wedging and tighten vent valves and caps with a torque screwdriver, which is in your TC-50 tool kit.

Then, it should accept its minimum 8 hr charge.

DISTILLED WATER? — WELL...



Take your batteries, man . . . take 'em with you! No TEL, pounds of IM and distilled water.

Course, nobody's gonna say you can't use clean water for drinking water in bad-land batteries when you need it—but, regardless, stick with distilled water when you can get it. It's top choice.

If you've got nickel-cadmium or silver-zinc batteries, use distilled water only for the cells. No electrolyte. Because it, the slightest trace of impurity in

the water can ruin the nickel-cadmium or silver-zinc cells.

If you're out of distilled water, mount your batteries to support for the pure H₂O.

You can get after the distilled water, with PGM 5810-104-0005 like a legal bottle listed on Pg 3.13, C1880-01, (Jan 70).



TCC-7 CORD TALK



Ends on the AN/TCC-7 telephone received with me in a clutter like super apartment, waiting to make you part of the mess.

Which means they get snagged, dragged, hauled, mangled, weighted and lobed to the point of breaking. Or, at least, trying.

Which means that occasionally, while snagging the cables, symbols, there up to me they're still in good enough condition to do their job. If they're frayed or broken, get 'em replaced.

While you're still wired, think about the antenna cord and plug on the T5-T66. When you're testing components like the AN-707 and TA-228 with it, push the plug straight in and pull it straight out. Keeps it from breaking.



GROUND STRAP SLAP

Funny thing about ground straps on radio sets and switchboards. If you don't attach 'em, the equipment won't work so good.

Like, for instance, lots of ground straps on radio means can downright damage the radio components.

And, if you don't have a ground strap on your switchboard, you just may not have the word on what Charlie is.

Doesn't any sensible? to you?



ORA-39. SAVERS

If you haven't noticed, the gaskets on the battery boxes of your AM/FM radio or car radio group components get somewhat squashed with use . . . and that lets water and moisture in.

IF THE GASKETS SEEM TO GET IT WORSE,

You can keep the car radio group in No. 1 condition, too, by buying the seals on the switches springy. They save cost, and they can't take a beating. If they soften up on you, either you're at the switch stop . . . or your switch work work because it's binding.

Hold the keys.



GRC-142 RTT DC

How do the DC voltages to your AM/FM GRC-142 radio components act in functioning?



Before you call in the equipment check the area where the DC connector leads to the power supply. The wires around the jack may be loose, causing voltage variance.

Also check the 2 wires on the 21 switch at the power entrance panel.

If the wires are loose, get 'em tightened.

If everything's cranked down and you're still getting fluctuating power, call the equipment.

QUESTION

YOUR EQUIPMENT'S

"OH, NAME! I WANT ONE OF THESE INTO COMBAT... HE'S BACK!"

"HOWEVER, THE SERGEANT SAYS HE'S NORMAL."

"DON'T BE WORRIED, THE SERGEANT WILL TEST THE RESPONSIBILITIES OF THE GENERAL'S BOY'S MATURE DREAM."

"WANT TO KNOW?"



How'd you like a lie detector to see if your gal's lying to you? It wouldn't be much good if the detector wasn't accurate. She might be telling you the truth and your detector might be the one that's lying.

You may run into the same thing with your test and measuring equipment. Unless it's calibrated regularly, it may be lying to you.

Why's it so important to have your equipment calibrated? A cracked-up stopper's not a very pretty sight. Maybe the torque wrench used on those nuts and bolts wasn't accurate, and they could have been under-torqued or over-torqued.

Oh, the closest thing you can have find the right number because of a faulty instrument and the penalty was won. It can cause early part replacement too.

So you've got a 3-ton. Maybe you operate common equipment. If your frequency meter reads 100 you might miss your station and you're not in the broadcast calling for frequency.

Or, maybe you're a construction. Your road could wind up in piles instead of on target if your instrument's lying to you.

TS 758-250 (501-501) tells you what kinds of test and measuring equipment (T & M) need calibration and when they should.

Calibration requirements are based on the built-in stability and reliability of an instrument as well as its actual application. The same item may have a different calibration interval when the application is different. For example, UNAVCOB specifies a 30-day interval for torque wrenches. More commonly

LIE DETECTOR

"TESTING YOURS IS DIFFERENT SO I'VE GOT TO CHANGE IT. SEE THE TEST?"

"THE METER SHOWING 1000 IS NOT 10000. DON'T GET NO LABEL, BOY!"

"DON'T GET IT CALIBRATED BEFORE I'VE LIE!"



equipment specify 180 days. So, you have to use the interval that's in TS 758-250 for the test equipment you're calibrating.

The code that covers the equipment needing calibration is responsible for giving a calibrated test item. You submit a calibration request on DA Form 248. And your outfit is also responsible for making sure the item's available when it's scheduled for recalibration.

You can also request calibration of your test equipment any time you think it's not accurate.

Chapter 2 of TM 31-750 tells you the needs and procedures to use for identifying, recording and reporting calibration. You can use DA Form 24 plus DA Form 144 for scheduling calibration service. They arrive each's change in

docs on the date scheduled. TS 758-250 allows a 30 percent variance in date.

When you get a piece of test and measuring equipment that has an DA Label 88 on it, or it's beyond the "use date", or there's doubt as to the accuracy of the item, you should request that it be calibrated.

Your calibration people can't calibrate your equipment if it's not in operating condition. So, never send your equipment in for calibration if it's not working. Get it repaired first. You use a DA Form 2487 to request repair.

The DA Label 88 on your piece of test and measuring equipment will show you as to when the equipment's due for the next calibration. It tells when the calibration was done last and when the next one's due.

"OH, OH, OH! I'VE CALIBRATED THE LIE DETECTOR. SEE!"

"GET THE CALIBRATED. HE LOOKS CONFIDENT."

"OH, OH, OH! I'VE CALIBRATED THE LIE DETECTOR. SEE!"

"NO MATTER HOW TO WORK CALIBRATE BEFORE 10 DAYS."



PROPERTY BOOK

LAYOUT



WHY CHANGE AND MY COLLARED BRICK.

WHY NOT TIE A BRICK ON MY SHOULDER?

WHY THE PROPERTY BOOK COME ONE A SEARCH (JUST BY LOOKING).

WHY IN BUCKS THEY WOULD THEY ARE.

THEY ARE SURELY IT IS AS GOOD AS DEAD.

WHY I WOULD NOT CUT HERE IN THE MOUNTAINS. I WOULD GET A BURNING AND IT'S DONE DIFFERENT.

SUPPLY

WHY IN A FEW POINTS ON HOW TO GET OF YOUR PROPERTY BOOK?

You see you know, the AR does not give you up and understanding the property book. . . . but, the pub. does you high and dry on some important points on property book care. Furthermore, these very points are handled differently like in different places you're here.

Wanda's guide is there. The guidance you need is right there.

The AR does not make hard and fast rules on certain points that can be decided by your own CO. His authority and responsibility for writing up the final rules needed to supplement the AR, are spelled out in para 2-1, of the AR's Ch 1.

So, for any added guidance you need on maintaining your property book see your local supply SGP.

It's not any check that you can't figure through. It covers some questions that are important on property book care. Like...

1

The building unit certificate—The answer is you are using 1 DA form 1119 for 100 more property book positions. Just X out the certificate signed by the previous PSC (property book officer). The certificate for the new PSC, of course, would also have the same date, so you'll see how easy this is.

If you use a book form for a new PSC, you use the previous certificate in the book's narrative section. The page with the certificate, of course, is the first page in the book.

- 14 IIRB dating** — The hand recipe date on the back of the property book page is changed when there's a change in hand recipe holder, when there's new issue or receipt, or adjustments of issue listed in receipt on the hand recipe. It won't be changed for a routine annual inventory.

PROPERTY BOOK PAGE			
DATE	ISSUE	RECEIPT	DATE
10/15	10	1	10/15
10/15	4	1	10/15
10/15	0	1	10/15
10/15	15	1	10/15
10/15	1	1	10/15
10/15	6	1	10/15
10/15	1	1	10/15

- 15 Inactive inventory** — You can use a separate section in the back of the book for filing inactive pages. Or, if you're loaded with non-working pages, you can set up a separate file (file folder or book) for the inactive section.



FOR IT IS IN
THE IT IS IN

- 16 FSM (name change)** — When an item's FSM or identification is changed . . . by some supply document or other, all you have to do is update the necessary info in the property book page. And you enter the document that made the change (and its date) on the page, too. Follow through with changes to the hand recipe.



- 17 ODFB dates** — A property book page goes to the book's inactive section when: An item's responsibility status is changed from MC to responsible operator or R.

The balance is carried over and the item's no longer authorized to be used.

It's all filled up or worn out and replaced by a new page.

The page stays in the inactive section for 2 years and then you hand it over to the records control people. They hang on to it for 4 more years and then destroy it. An IIRB has the stamp on cancel date the supply records.

- 18 Wrong IR** — When you goof up on an item's maintenance you can correct the mistake on the property book page, with a DA Form 440 (Inventory Adjustment Report). Give the IIRB a document number and explain the need for the info change on the IIRB. Print the IIRB on the property book page and file the IIRB in your document file.

The IIRB can also be used to make sure of an inventory savings.

An IIRB, of course, needs the OIR's OK, and the item's made me according to local SOP.



IN FROM OIR

- 19 Classified items** — To account for the classified equipment you need an entry in the property book. You keep the separate entries under both and key along with any documents that support it. And, you handle the work according to security regulations, just like any other document that needs classified info.



Could be some of these points don't suit your particular operation, or perhaps you have better ideas on handling points that aren't specifically spelled out in AR 750-15. That's all to the good. Like was said in the beginning, all it takes to get useful rules made official is an OK from your command. So, talk over your ideas with whoever is responsible for your command's supply SOP. You never know . . . you could make things easier for yourself and greatly improve your supply operation.

STORING YOUR

REPAIR PARTS LOAD



It's no big deal to set up a comfortable repair parts supply room when you're spending in garages.

Your first big need is an outdoor area in some safe corner of the maintenance shop. If you can, set up right next to the shop office for as nearby as you want. This keeps you close to the top man, saves you steps and scraping for tools, your gear, when you need a signature, or OK, or, that, too, for his a phone which you can share to keep in

touch with your support units, to check supply status, and the like.

To give your corner better ventilation and light, use exposed fluorescent wire, or some similar material, for walling up at least one side, or the top section of the room.

The room needs to be nice, cozy. Just large enough to accommodate your files, cabinets and shelves, plus whatever other storage space you need to hold your load of repair parts and sup-

plies. And, of course, you'll need three space for your desk and for a stand or table for your P.M. files. If you don't have a location you can put up a wall shelf or two for your jobs. You can also use the wall to hang display boards or make for working large, bulky items that won't fit in your bins or shelves.

For privacy and security, the room needs a good door with a lock. A door that with a small work counter is a

good arrangement. And a convenient keep-out sign on the door will keep you to change and return out. Any windows or other openings in the room will also have to be secured.

Locks your door and the screen from the door, or to nearby to you too, or you'll be ready to your calls. You can hang a sturdy storage or a small box on the door to collect repair slips, when you're busy elsewhere.

THINK UP!

Like up your storage equipment so the cabinet doors and drawers can be easily and safely opened. You'll have to identify all your storage spaces so it'll be easier to work your stock, locate parts and get it inventory. You should also have location on the item's DA Form 2320, Record of Demand card.



Store-bought storage equipment normally comes with spaces identified. The overall container is marked with a number or a capital letter and the separate spaces within the container are marked in sequence with numbers or lower-case letters. If you have to, though, you can easily mark up your storage equipment. You can use the same combination of numbers and letters, or set up a system of your own.



You can use numbers, letters, or both, for the pigeonholes, shelves, etc.

You'll find painted and stenciled markings are more dependable than tags, tapes and other items that can be torn off or fall off.

Whatever location you select for an item should be large enough to take your complete stock of the item. Or, at least try to keep your complete stock of an item in adjoining spaces, or as close together as possible.



KEEP NEW TOOLS AND SUPPLIES IN THEIR ORIGINAL PACKAGING. THAT WAY YOU'LL KNOW EXACTLY WHAT YOU'VE GOT.

If your TOB storage cabinet won't house all your supplies, you can expand your storage space with shipping boxes, containers and shelving from the salvage heap. Just be sure you select clean, sturdy, safe material for your home-made works.

BE SURE TO PROTECT NEW ARTS BY THE HEAVY DUTY ON THE BOTTOM!

PACKING

Keep as much of your load as you can in its original packaging, until it's needed. That'll protect items from rust, grime, damage and loss. Then, too, if you have to move something in, you don't have to worry about repacking. Also, packaging and containers usually provide supply lists that can be used handy when you're checking stock.



YOU'VE GOT TO TAKE CARE OF YOUR SUPPLIES!

HEY! DON'T WORRY FOR MY WIFE!

Save whatever packaging material you can to protect the invaluable reusable DEX (Direct Exchange) loans. Protecting DEX convertibles pays big dividends—keeps the loans from being further crippled. That saves time and money at the maintenance shop and gets items back on the DEX shelf much faster.

Keep a clean, metal container of some kind handy to collect trash, so your crates will stay tidy and safer to work in.



YOUR TOOLS, PAPER, FORMS

CONCEAL
INVENTION,
MR. JEFFERSON,
BUT IT'S IN
DANGER OF BEING
FORGOTTEN FOR
THOUSANDS OF
"CONCEALERS"
THE WORLD OVER.



DA Form 212-1 — Shows you
one for tracking down info on
RF's, DR's, DR's, and other
administrative-type publications.

DA Form 212-6 — Identifies
supply catalogs and supply man-
uals covering the various groups
and shows if supply and DR's and
DR's for tool kits, clerks and
units.

DA Form 212-4 — For use if
you're looking up DR's, DR's,
DR's and the other type supply
manuals.

DA Form 212-2 — For ordering
book forms.

DA Form 212-3 — For DR's.

Other important guide you need —

DA Form 212-1 — Shows you the DA Form 212-1, and forms and manuals for various Form 212-1. Explain parts DR's, supply manuals, manufacturer's form, plus all other supply publica-
tion tracking equipment your shop supports.

The DR's list published by the DR's office that supports you. And, the DR's and construction
drawing list, if these supply sources are available to you.

DA Form 212-1 (Rev. 1988, 1988) — Supply and Maintenance Handbook, covers your
part, supply procedures and forms in Chapter 5.

DR's publications are distributed directly to the user through pin-point distribu-
tion (See AR 212-1) and DA Form 212-100, So, keep tabs on who's in responsi-
ble for collecting guide for you. Keep files posted on any changes in your need
for publications, and make sure the letters what guide are yours—out of the
daily pin-point bundle for reviews.

YOUR PARTS FORMS

DA Form 212-5, Request For
Form or Parts. Supply support
may provide pre-printed DA Form
for all your DR's forms.

DA Form 212-8, Record of In-
ventory Life Inventory. You need a
DR's on each item on your DR's
and you set up a card for each
different thing that that's de-
scribed by your shop.

DA Form 212-6, Document by
date, for keeping track of your
requests.

DA Form 212-7, DR's log, for
logging maintenance requests
until you take to the DR's office.

YOUR
DR'S
GET'S
YOU
THE
BEST
SERVICE.



REPAIR PARTS BULK

The heart of your FLA records is your visible file for your DA Form 500's. You also make any pre-printed DA Form 178's you get from support. In this file.

Two support files. One for date-in cards you get from your immediate support, and the other for date-in's transfer cards on items support orders for you through MULTIRIP (CAF 721-585).



Frings items file. But your DA Form 178's supporting Frings items.

And, that's about how your repair parts supply store shapes up when your shop is under a permanent roof.

YOUR SUPPLY STORE

When your shop heads for the boondocks, you have to put your operation on wheels, and space and convenience gets a big boost for you.

Most everything goes with you ... lock, stock, storage equipment, files and publications. It'll be a little crowded for you and your daily business may pick up somewhat, so the best thing you can do is try to set up the same kind of storage operation you had in garrison ... or, as near as you can come to it.

A couple or three 2 1/2-ton, 6x6, cargo trucks and a couple of 1 1/2-ton



trailers, with bows and rags lashed, can take care of a lot of your operation.

You can arrange your parts cabinet, files and drawers along the side of a vehicle's cargo compartment. If you

think any of your storage equipment will shift when you're moving, lock it down. And, it's a good idea to board up the lower, front section of open trailers, so things won't fall out.

Large, round and bulky items—tires, wall paper, speakers, truck accessories, oil coolers, etc., can be loaded down in one of your trailers.

If your loaded trailer is going to be hitched permanently like, it's a good idea to board-up your trailer's cargo compartments, if you can. Before the lower and

top can be installed on a truck, for example, you can line the inside of the cargo body with removable sections of wood plywood, or some other satisfactory material, from the salvage yard. When you install the rear of the cargo compartment, of course, you have to plan for a hinged door that you can easily lock. A small, portable ladder, or one that'll lean safely on the rafters, will do as a runway into a supply crate.



LOADING UP

The tires, coolers, shelves, etc., must be loaded, of course, before you unlock the rear of the truck.

The boxes or containers to move small items from your supply crates to your truck storage, when any CPE you have can go on the vehicle to help you. You can also load some large, bulky items in the vehicle that'll more likely need them.



Pails and buckets are just as important in the field (maybe more), so they have to be bound together in some permanent spot. If you plan right, you, your records and a fair amount of your smaller items can be located in the main vehicle you'll be operating out of.

When you're operating out of vehicles, you may not always be able to store the complete stock of an item in one place, so good storage identification and info are even more important than ever for your P&L records.

If your shop maintains classified gear you'll need a vehicle to store the Crown container that houses its maintenance supplies. And, in the field, the classified container will have to be in a secured area, just as it was back at the shop.



CLASSIFIED GEAR (CROWN CONTAINER)

WORK IN THE

Your expense and revenue SOP won't change much—if at all, in the field. You have to keep all your P&L SOP, records and info up-to-date as possible. Remember to stress your change of address whenever it's necessary, so to keep you confident in seeing the latest publications.



You'll also find EX service support in the field, so you'll need to set aside a safe location where you can collect and tag EX items right away—and get them to the EX service center.

PLAN AHEAD

Even though you and your load may be staying in a way stop right now, you never know how long you'll be in permanent quarters. So it's a good idea to plan ahead. Check your dealer's SOP and work up a loading plan of some kind for your load and your storage equipment. Check up on the vehicles that'll be assigned to your supply operation. Figure up space for large items and what kind of enclosures you can fit up for your vehicles. Then you'll be able to make an orderly move if and when the time comes . . . otherwise you might have to hog out some day and leave half of your shop's life-blood behind.



Fill Pots...
STOW 'EM
POTATO

LIKE
CHIPS

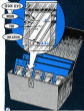


The idea may sound funny—and it may look strange. But FILL pots can be moved like so many bags of potato chips if you're not bothered by one light, one tall and open-pot cabinet.

Three several stacks of chairs based on its inside a subgrid floor locker. You can stack up to 8 rows of 6 sacks each on a single level. And 6 levels can be installed in a standard floor locker without flooring.

Each sack takes the authorized stacking quantity for use limit. All units are created in 100% aluminum. They may use heavy paper roll or the plastic bags (POT 1000-011-0762) due to their 100% aluminum cover to prevent their entire weight.

Not the way bags have an edge. Besides being rugged enough to hold the pots, they're clear on one side. The entire floor surrounding the opening



a typical lot (read inside) ... listing the pot's storage level, FSN, stock and usage location.

If a writing machine's not available, just grease pencil the same info on the outside of the roll in mag. tag.

100 00

Not more than 1 out of 10 of your FILL pots will be too big to fit these bags. For these items, mark "oversize" in their clear board locations—and

place them at the bottom of the locker. If your FILL contains too many of these, you might find it convenient to place all oversize items and cases in a second low locker ... and mark a clear on the inside cover for identification.



LOWLY FIRST

Everything remains in the food locker(s) with this linear system. In you're always ready to change out. When you browse, just head out your personal chip cards and lean 'em against a nearby row of vehicles—or hang 'em from walls fastened to trees or ground stakes.



COMBINE THIS METHOD



Your FILL cards and vehicle files are in the same FIM and storage location equipment. Bring them side by side and you've got a convenient cross-reference system.

ACTUAL INVENTORY

Artificial copy of paper inserted behind a paneled lock in each Tack locker shows each item's balance on hand rather at a glance.



blue — actual quantity on hand
black — partial fill
red — no balance

Replacing each empty bag with a paneled-in number disc means number writes each and the condition—and shows supply action has been taken to correct that zero balance. An overhead inventory writes each number and gross quantity.

A SUPPLY
SUFFICIENT NUMBER
HAVE ALREADY THIS
ITEM IS AT ZERO
BALANCE AND IS
BEING REORDERED



100-00	100-01	100-02	100-03	100-04	100-05
100-06	100-07	100-08	100-09	100-10	100-11
100-12	100-13	100-14	100-15	100-16	100-17
100-18	100-19	100-20	100-21	100-22	100-23
100-24	100-25	100-26	100-27	100-28	100-29
100-30	100-31	100-32	100-33	100-34	100-35
100-36	100-37	100-38	100-39	100-40	100-41
100-42	100-43	100-44	100-45	100-46	100-47
100-48	100-49	100-50	100-51	100-52	100-53
100-54	100-55	100-56	100-57	100-58	100-59
100-60	100-61	100-62	100-63	100-64	100-65
100-66	100-67	100-68	100-69	100-70	100-71
100-72	100-73	100-74	100-75	100-76	100-77
100-78	100-79	100-80	100-81	100-82	100-83
100-84	100-85	100-86	100-87	100-88	100-89
100-90	100-91	100-92	100-93	100-94	100-95
100-96	100-97	100-98	100-99	100-00	100-01

WHILE THE
NUMBER IS
IN FINAL

THE NUMBER WILL

A 1000 4 1000 6 1000

THE CARD
CODE IS
100-000

100-000-0000
1000

1-0-0

THE BENEFITS

Several other benefits of this unique business system are:

- ⊕ Never small parts lost.
- ⊕ Detailed PFL items are easy to spot for reorders.
- ⊕ PFL cards can be used with or without a parts catalog.



IT BRINGS THE
BPP BILLBOARD
AND THE PFL CARD
SYSTEM
FOR THE GREAT
1000!

NO TENT FLAP

When the
cover folds
TEXT

While you're still receiving compliments for your endnoteless text (900-854-051-4412), you need the properly book binder-page set-up to keep things straight. That is, separate pages to account for and report the BCC 2 components you've received so far. When the text's complete you can LAR (204-780-044) the separate pages, and carry the rest on 1 page, under its basic PIV and LFN . . . and, that's the way you report it.



So, adjustable
and the properly
BOOK BINDER PAGE!



HOL-GAR SLUMBERING? TRY RENUMBERING

There's been more number change-over than 9/11. Hol-Gar BCCW generates not what you'd expect on production day at New Quarter—like:

ISBN	PIV	P/PI	CS/CS
0-01-01, White Paper	300-776-030	00 0000-00-0	0000
0-01-01, Concrete Block	300-017-070	00 0000-00-0	0000
0-01-01, Ice-Cream	300-010-010	00 0000-00-0	0000
0-01-01, Paper, 100 in/10	010-010-010	00 0000-00-0	0000
0-01-01, Paper, 200 in/10	010-010-010	00 0000-00-0	0000
0-01-01, Paper, 300 in/10, 1 for 1000, Covers, 24 11-00-000-000	010-010-010	0000-00-0	0000
0-01-01, Paper, 300 in/10, 1 for 1000, 110-000-000, 20-00-00-000-000	010-010-010	0000-00-0	0000
0-01-01, Paper, 300 in/10, 1 for 1000, 1-1 000-000, 20 11-00-000-000	010-010-010	0000-00-0	0000
0-01-01, Paper, 300 in/10, 1 for 1000, and 100-000, 20 11-00-000-000	000 00000	0000-00-0	0000

(These codes only go on the MQ-10 version of PU-000 w/s you can switch from one generation to the other.)

Cumciv's
Mini Mini's



Radio Dead Now

Wouldn't the wonderful "Do Not Stop Vehicle While Radio Is On" be new to BA Label 122 (1 Mar 89). It's available from the Army AD Publications Center at Bolling AFB, DC, as well as public centers in Europe and the Far East. Word on it is in BA Label 124 (14 Mar 79).

M113E? Take Life

The new M113E1 configurations take for the M107 175-mm SP gun is even better than we thought. In PG 208, page 23, we said it would lose 300 BPC rounds an against 400-BPC rounds for the M113 tube. New tests have shown the M113E1 is good for 1200 BPC rounds—or a gauge reading of 0.280 (1.000 inches), whichever happens first.

M16 Rifle Handy Dandy

Hey, you guys . . . if you want the scoop on your M16 rifle get a copy of DA Pamphlet 120-30 (July 89). It's available from the PE Magazine. There are plenty copies around. Ask your commander. A copy comes printed with each new rifle from the factory.

Case Closed?

The words "Case Closed" is an OR 800 sign you normally never see—unless you've been misinformed. If you take that action and the problem persists, keep those OR's coming. Like it says in para 3.7.4.1 of DA 33-750 (Jan 89).

Basic Essentials

Keep your gear on DA 1200 these days, you aircraft reporters. If you've got excess non-operationally-ready time due to a few parts or components, let someone and PER's of the subject. He used to do this if many different items are a problem . . . just make a short summary statement PE-111 spelled out more details.

Dropped By The Supply?

In your DA Form 1350's boxes from OS when you don't have an authorizing document to get in class 2 for expendable repair parts and supplies? The reason for that, "Insert DA 311. It says in Para 2-1 that requests for expendables will not be increased because you don't list an authorizing document. As long as it's a good ISM (in the ARDP) they have to supply the item or pass it along so 2200 depot can give it to you.

*Would You Stake Your Life ^{right now} on
the Condition of Your Equipment?*

