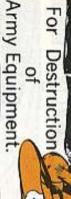








NAME: Alvin "Ambi" Dexter, alias "Wire 'n' wrap it," stumped by any gismo. ol' screw'll do." "Tie-and-tacweld," or "Anytimes called "Fix-Fingers." Wades in with "Nothin' to it, le'me see inside 'er!" Some-Never



TEARS DOWN COMPONENTS FOR A LOOK-SEE: Says the Maintefor short-timers with lackanance allocation chart (MAC) is

ADJUSTS EVERYTHING IN SIGHT: Whether it needs it or not.

DEMONSTRATES (ON DELI or maybe all the way to depot re-(Then sends it back to DS, GS -Z-18 with nothing but a nail file, CATELY ADJUSTED GEAR) pliers 'n' safety wire!" "Here's how we did it on the old

DISTINGUISHED BY: Extreme conoften leads the unwary to "buy" models of items - from A-1 to having "grown up" with all edge of wide range of equipment fidence. Scorns review of TM and Despite youth, wears "air" of his short-cut solutions. LO procedures. Apparent knowl-

ARMED - AND READY TO USE: and files for making wrong-sizes make-do items like baling wire crescent or pipe wrench, and mos and thingamajigs, tools -Whole slew of specially-built gisfrom jeweler's screwdriver to



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sync again.)

build - to get things back in

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Use of funds for printing of this publica-

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PS Magazine. Parl Knoz. Ky. MSG Helf-Mast.

40121

Johns with pride 555... (

How's an Army truck like a sweet, beautiful, normal girl?

They both appreciate a good operator who knows what to do and how to do it—and does it!

With all your good looks, your smooth line and a pocketful of bread, you know that gal will split the scene if you don't keep her happy—coming back for more.

Same goes for your truck.

You might've been the hottest stickslapper on the asphalt as a civilian, but you'll have to do better than that to win your SF 46—Operator's Identification Card.

Besides being a QAD (Qualified Army Driver), you'll have to be a DPME (Driver Preventive Maintenance Expert).

REMEMBER WHEN?

You used to pull into a gas station and tell the guy, "Put in a buck's worth, check the oil, battery, radiator 'n' tires —'n' clean the windshield."



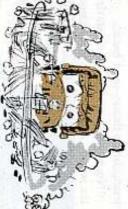
with DPME

And when you didn't have the scratch for gas, you just walked for a few days. Or you unlimbered your thumb. Or a pal with wheels got you over the hump. Or you just sat home and watched the boob tube.

No more, of buddy!

You're going to be the guy who makes sure —

 Your engine oil level reads at least over the ADD mark on the dipstick.



—Your radiator coolant level is about 1 inch below the bottom of the filler neck.

 Battery electrolyte, in all cells, is over the tops of the plates.

—Tires are carrying the right pressure.

—Fuel filters inspected for water and dire.

— Your air cleaner's not plugged with dire.

-Your fuel tank's filled up to the mark.

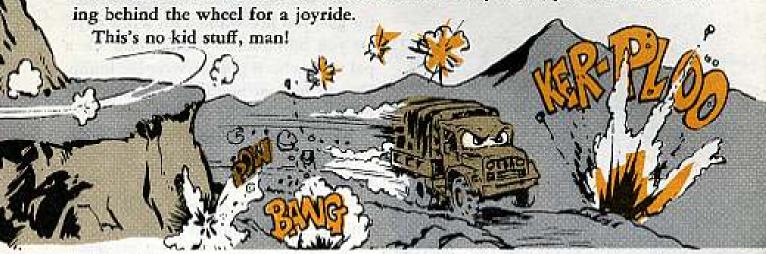
Oh yeah—and your windshield's can.

And a lot of other things that help keep your truck ready, willing and happy.



FOR MEN ONLY

When you've finally got that SF 46 in your hot li'l hand and you're assigned a 1/4-ton or a deuce-and-a-half or some other Army truck, you won't be climbing behind the wheel for a joyride.



You'll be on a mission. A lot of people will be depending on you and your truck to get there—and back.

No matter how well you can drive, you're just a warm body holding down the seat if your truck can't move out or if it breaks down on the road.



SUAR UP I HAI DPM

So make like a sponge when Driver Preventive Maintenance comes up in your training.

Sharpen your brain, your eyes, your ears—and even your nose. Looking, listening, smelling and feeling are pretty much what DPM is all about.



You may not be doing much fixing on your truck, but you'll sure be expected to spot anything going wrong and report it.

You're being measured partly for DPM when you take that Driver Selection Battery I or Battery II test.

DPM ALL THE WAY

You'll get plenty of Driver Preventive Maintenance if you go to one of the Army schools—Ft Leonard Wood, Ft Dix, Ft Jackson, Ft Ord or Ft Polk—to earn a driver's MOS 64A10. The course is listed in DA Pamphlet 350-10 (page 5-81-1) as Course No. 811-64A10.

There's a chance, though, that you'll be shooting only for an SF 46 in your own local command's driving training course.

TM 21-300 w/Ch 1 (Oct 68), Driver Selection And Training (Wheeled Vehicles), hits hard at the need for plenty of training in Driver Preventive Maintenance.

Your unit needs this real handy guide for setting up a driver training program—Army Subject Schedule 55-64A10, MOS Technical Training And Refresher Training of Light and Heavy Vehicle Drivers.

There's good DPM poop, too, in DA Pam 350-32-1 (Jan 70), Operator Training Course for M151 1/4-Ton Truck. A lot of the stuff in this training course goes for any tactical truck.

Here again, you'll find the ol' spotlight shining bright on Driver Preventive



... AND MORE ...

Just dandy for filling in the cracks are some of those films and other training aids listed in DA Pam 108-1 (May 69), Index of Army Motion Pictures And Related Audio-Visual Aids.

You won't want to miss these juicy training films:

TF 55-2558, "Automotive Preventive Maintenance, Before The Operation"





TF 55-2559, "Automotive Preventive Maintenance, During The Operation And At The Halt"

TF 55-2557, "Automotive Preventive Maintenance, After Operation"

There're lots more in both the 55-series and 9-series that put the whipped cream on your DPM training cake.

You can even get a headstart on your driver training and come out at the head of the class. See about signing up for MOS Related Correspondence Subcourse, Light Vehicle Driver MOS 64A. You get the poop in DA Pam 350-60 w/Ch 1 thru 15 (Jan 71), Announcement of Army Extension Courses.

Or get the info from:

Commandant

U.S. Army Transportation School

ATTN: Director, Nonresident Training Dept

Ft Eustis, VA 23604

FULL CIRCLE

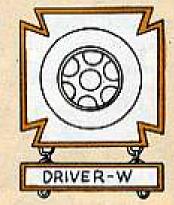
With all this Driver Preventive Maintenance that can be worked into your driver training, there's no reason you can't come through smelling like a rose—or like a Driver Preventive Maintenance Expert.

It's up to you.

You're the guy who makes or breaks that truck.

Like it says in your own driver's bible, TM 21-305 w/Ch 1 and 2 (Dec 69), Manual For The Wheeled Vehicle Driver:

"You are the most important single factor in preventive maintenance."





THERE REALLY IS AN AWARD FOR GOOD DRIVERS. YOU FIND OUT HOW YOU GET IT IN AR 672-5-1, W/Chi THRU 20, AWARDS, SECTION III, PARA 110.



What's the latest on rope tips — those metal bands around the ends of cargo cover tiedown ropes? Are replacement tips in the supply system yet?

SP5 E. E. G.

Dear Specialist E. E. G.,

Those metal rope tips are not available in the supply system, and, from what I hear, they won't be.

But the latest thing is plastic. What else?

Get Insulation Sleeving, Electrical, Flexible, Shrinkable, Plastic, MIL-I-23053. There's a wide range of sizes in Federal Supply Catalog C5970-IL-A. Get a size big enough to slip easily over the rope end.

Cut off a piece of this shrinkable plastic tubing — about ¾ to 1 inch long. Slip it over the rope so just a little of the rope end peeks out.

Then apply heat - match or torch flame - very carefully to shrink the tubing snug on the rope. Make sure you observe all fire safety precautions, like taking the rope off the tarp so you don't set the canvas on fire.





With a little practice, you can apply this fix to a rope end - neatly and just



SPOT CHECKS BEFORE YOUR EYES?



weak (in season), corrosion inhibitor weak. RADIATOR — Coolant level low, anti-freeze

work, stutters, HORN - Won't wiring broken. button missing,



drop right out if one's not in) (on 11/4-ton truck, prop shaft') WINCH — Shear pin missing

too high, cut, sidewalls TIRES — Pressure too low or





and-a-half or whatever is runnin' fine? So your 1/4-ton or deuce-

crew pulled you over, they'd ridin' alongside you right now one or more of these faults is - and if a roadside spot-check -chances are 66 to 33 that Well, rub your baby blues

bearings loose (not to be con-WHEELS - Lug nuts loose, fused with loose axle/bal



OIL LEVEL - Below the ADD mark.

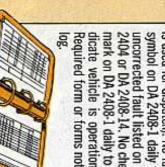
frayed, too loose/too tight, V-BELTS-Over-age, cracked,



WINDSHIELD — Cracked, glass loose; wiper blades too old, wiper WINDSHIELD — Cracked,



is used for dispatch). No fault on DA 2408-1 daily (when log 2404 or DA 2408-14. No check uncorrected fault listed on DA symbol on DA 2408-1 daily for LOG BOOK—No dispatch date Required form or forms not in mark on DA 2408-1 daily to indicate vehicle is operational.



or SF 46 not up to date. Driver of vehicle unqualified DRIVER QUALIFICATIONS

SIDE MIRRORS—Missing, un-adjustable, loose, broken, too dirty to use.



vehicle. Blocks I thru 3 plus blocks 6 and 7 not filled in. Faults readily detectable by operator not entered on DA 2404 or DA 2408-14 DA FORM 2404—Not with the

BII - Equipment missing or improperly maintained; unauthorized substitutes carried



on her way! Well pucker up, ol' you passed 100 per cent? Buddy, Connie is What's that? You say













































œ

























ENGINE AIR CLEANERS...

You can't even light a match without air. To burn 'most anything, you've got to feed it air. Like oxygen, man!



So everybody already knows that, huh?

Then how come some guys try to run an engine with a dirt-choked air cleaner?

Do they think an engine can live on fuel alone? Don't they know fuel won't burn good unless it's mixed with enough air? Can't they see that a heckuva lot of air has to pour through that engine air cleaner?



So why not just get that air cleaner out of the way? Wow - no good! Dirt's









murder inside your enginel Fact is, you've got to watch close to see that all tubes and other hookups between your air cleaner and the engine are air tight. Even a little hole the size of a pencil lead will let in enough dirt to tear up the shiny bearing surfaces in there.

If your engine's got no poop, if it's sluggish on pickup and hill climbing, there's a good chance your filter element's plugged up with dirt.

Your engine's starving for air!

Your engine's starving for air!
You've waited too long already.
Your air cleaner's long overdue for a cleaning.

HOW OFTEN? ENOUGH!

If you're on the ball, your engine never has to suffer from air starvation. Your TM or LO, or both; tells you how often to service your engine air cleaner.

Oh, so you're with it? You do give your air cleaner a regular goin' over just like the book says?



That's good — but maybe not good enough.

When you can see, feel and taste dirt in the air, you know you've got to take care of your air cleaner more often. Your engine sucks in a lot of air. That means your air cleaner picks up a lot of dirt.

You may have to clean your air cleaner every day!

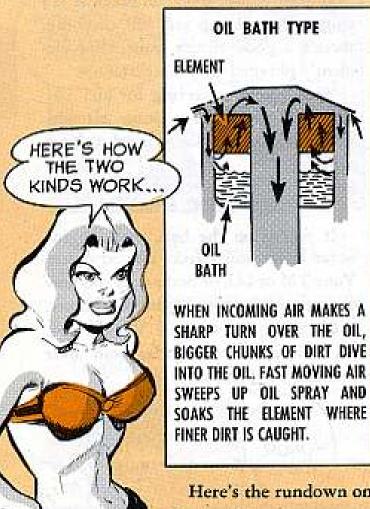


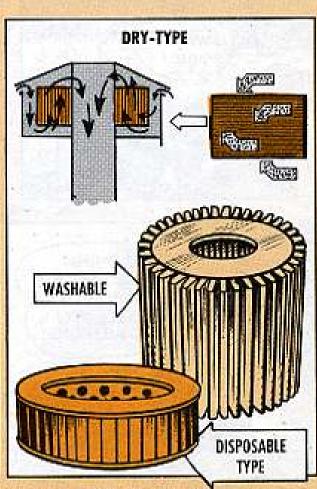
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WHAT'S YOURS?

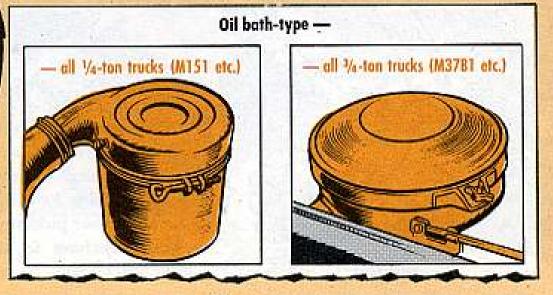
Let's take it from the top . . . start fresh. Let's make you the air cleaner expert in your outfit.

First off, your truck's got either an oil bath-type air cleaner or a dry-type air cleaner. Chances are, your dry-type job has a washable element, but there are a few air cleaners around with a non-washable (throwaway) element like you see in most late-model civilian vehicles.



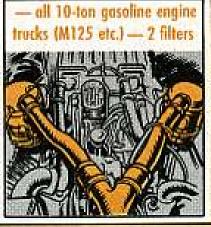


Here's the rundown on what's got what—check it out for your air cleaner:

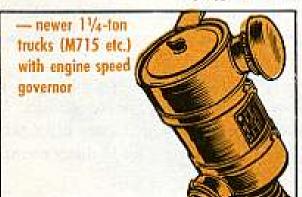


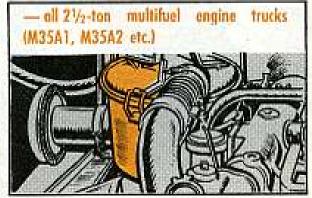


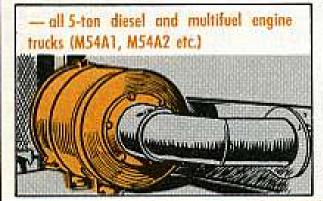


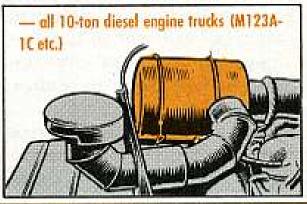


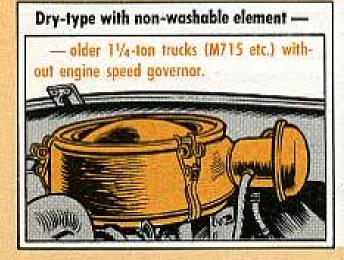














OIL BATH AIR CLEANER

There's nothing tough about keeping your oil bath-type air cleaner in good shape.

Make sure the oil level's always up to the mark in the reservoir. Add oil if it's needed.



But never put used oil in your air cleaner. Back in the old days, they figured old crankcase oil was OK for this, but now the word is—Fresh Oil Only. Use the same type and weight oil you put in your engine crankcase.

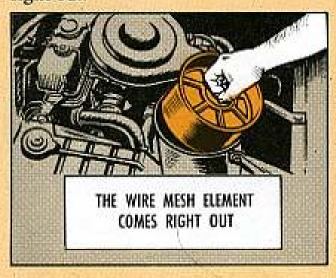
And watch out for your oil reservoir getting overloaded with dirt. You can tell by running your finger across the bottom of the reservoir. If you feel gritty dirt or thick muck on the bottom, you dump out that overloaded oil. Then you clean the reservoir and refill with fresh oil—up to the mark.

You pull this dump-clean-refill job every 1,000 miles or 6 months, but you'll find it's needed more often when you're operating a lot in dusty country.

ALL THE WAY

Your LO calls for a full-scale cleaning of your oil bath-type air cleaner all parts—every 6,000-miles-or-6months. But, here again, "more often" may be needed.

If you've got a 1/4-ton or 3/4-ton truck, you take your air cleaner all apart for cleaning—the wire mesh element comes right out.



On other trucks—2½-ton, 5-ton and 10-ton—the element's built into the air cleaner body.



But you clean 'em all pretty much the same way. Let the element (or body-with-element) sit for a half-hour or so in dry cleaning solvent or mineral spirits paint thinner. Then slosh it up 'n' down in the solvent to rinse out the dirt. Give the body-with-element a reverse flush by lifting it out of the solvent and letting the stuff run out the inlet end.

Keep up this soaking 'n' sloshing until the wire mesh is clean. Then let 'er drain dry. Or, with the separate element, you can hurry up the drying job with compressed air.

You clean the reservoir and other air cleaner parts with the same kind of solvent. Use a rag or brush to get off stubborn stuff. Then wipe all parts dry with a clean cloth before putting the whole works back together.

And you fill the reservoir with fresh oil - right up to the mark.

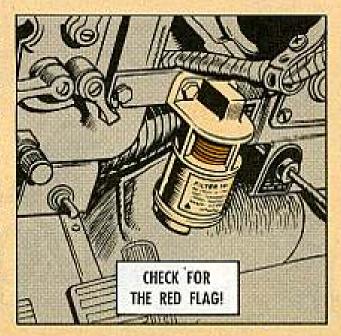


All those dry, washable air cleaner elements are the same in at least one way
—they're washable. You may think it's made of paper inside, but it's not. It's
a tough fabric — synthetic so water doesn't hurt it. You can wash it over 'n'
over. It'll last a long time if you don't bang it around and punch holes in it.

This kind of element is great for trapping dirt. It does this job so well that it can plug up solid—if you let it—and your engine will get no air at all. How'd you like your nose 'n' mouth jammed full of dirt?

There're 3 ways of cleaning your dry, washable element — good, better and best.

Just slapping the dirt out is better than nothing when you're out in the field or on the road. That red flag locked up in your truck's air filter indicator means your engine's already suffering from air starvation. So you yank that filter element and get the dirt out. Slap it around the sides. Bump the ends—gently—against the truck or on the ground. And shake it hard so the dirt'll fall out.



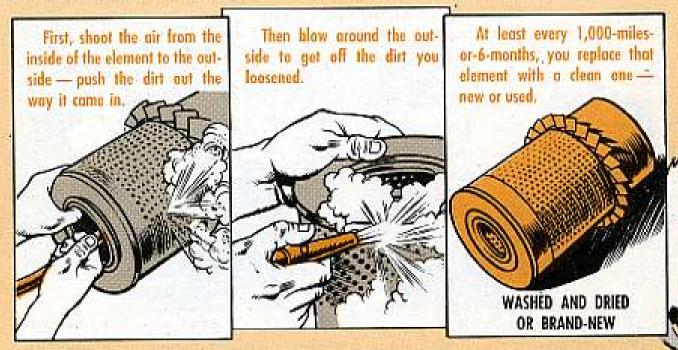


Natch, you never have your engine running while the filter element's out or you'll suck dirt into the engine like mad!

While you've got the element out for cleaning, wipe out the air cleaner housing with a clean cloth to catch any dirt layin' around in there.

Remember to hit the reset button on the air filter indicator so the red flag'll drop back down.

Back at the motor park, give your filter element a better cleaning with compressed air. Be careful! Use low pressure and wear goggles.



"Replace" does not mean you throw your old one away — unless your inspection shows it's torn or has holes poked in it.

Give your dirty element a bath — warm water and detergent in a tub or big bucket. Never use gasoline or other solvent on this kind of air cleaner element.

Let 'er soak for 5-10 minutes to loosen the dirt. Then slosh it around to wash off the dirt.

Rinse it in clean water. Shake it good to get out most of the water.

Give it another close goin' over for holes or other damage.

If your washed element's in good shape, it can go back to work in another vehicle after it's dried for 3 or 4 days.



2 KINDS IN 5-QUARTER

If your M715 or other 11/4-ton vehicle has the dry, washable air cleaner element, you give it the same treatment. But you "replace" the element with a washed or new element at 3,000 miles.

Whenever you're handling this filter element, be mighty careful not to bend or damage those fins around the outside. They knock down the bigger dirt sucked in so it'll drop into that rubber vacuator valve.

The non-washable air cleaner element on older 5-quarter vehicles is usually good for 3,000 miles, too, but you replace it with a brand-new element. It's a good idea, though, to clean your element in between changes when you're operating in dusty country.

To clean this non-washable element, you just rap the top or bottom against REMEMBER,
THERE'RE TWO
DIFFERENT TYPES
ON 1/4 - TONNERS.

BE CAREFUL NOT
TO DAMAGE FINS

NON-WASHABLE TYPE

JUST TAP DIRT OUT

WASHABLE TYPE

a flat surface to knock out the dirt. Not too hard, though, or you'll damage the gaskets—this'll let dirt slip by around the filter element.

PARTS AND SUPPLIES

Here're some of the things you need for pulling your air cleaner PM:



Dry, washable filter element —

— for 11/4-ton trucks (newer model), FSN 2940-135-6531, in Ch 1 (May 70), TM 9-2320-244-20P

— for 21/2-ton multifuel trucks, FSN 2940-804-7898, in TM 9-2320-209-20P (Jan 65)

— for 5-ton diesel and multifuel trucks, FSN 2940-974-9669, in TM 9-2320-211-20P (Mar 63) and Ch 1 (Sep 64)

for 10-ton diesel trucks, FSN 2940-902-5553,
 in Ch 2 (Mgr 70), TM 9-2320-206-20P



Dry, non-washable filter element —

for 1¼-ton trucks (older model), FSN 2940-875-9000, in Ch 1 (May 70), TM 9-2320-244-20P

for your PM

Cleaning supplies — Listed in such places as SB 38-100 (Jul 70) and in the O&M Supplies section of Ch 3 (Jun 67), TM 9-2320-209-10. Also, check your self-service supply store, since these items are available through GSA —

— Drycleaning solvent, FSN 6850-281-1985 (1-gal), FSN 6850-285-8012 (55-gal)

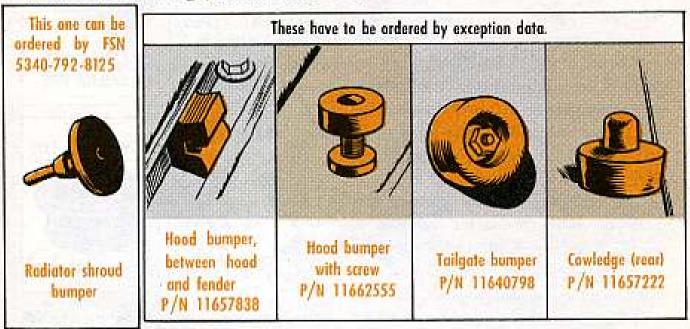
— Mineral spirits paint thinner, FSN 8010-242-2089 (1-gal), FSN 8010-558-7026 (5-gal), FSN 8010-246-6116 (55-gal)

— Detergent (liquid), FSN 7930-282-9699 (1-gal), FSN 7930-985-6911 (5-gal).



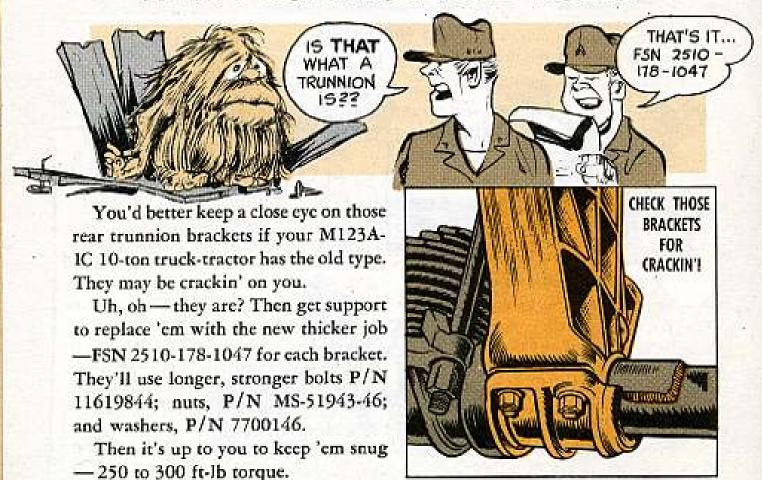
M715 BUMPER CROP

One of those rubber bumpers on your 1½-ton truck can be ordered under regular FSN—four others have to be ordered by exception data using the part number and Routing Identifier Code B24.

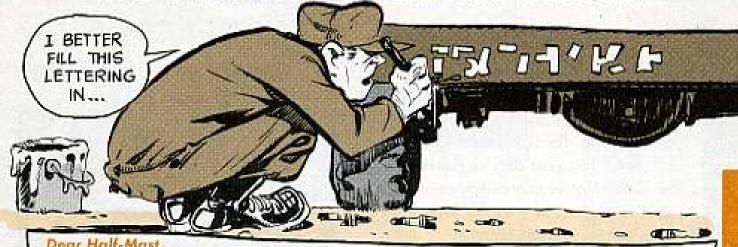


M123A1C 10-TON JOLTS . . .

NEW TRUNNION AND BOLTS



NO FILL IN 1-INCH OR BELOW



Dear Half-Mast,

When applying 1-in and smaller stencils on vehicles, is it necessary to fill in the lettering? AR 746-1 (Aug 70) and TB 746-93-1 do not mention this little detail.

Filling in these small markings does not improve the appearance of the equipment, nor does it make the markings easier to read. Plus, it's a loss of mechanic's time which should be used maintaining the equipment.

MSG J. D. R.

Dear Sergeant J. D. R.

Right on! The people who wrote the AR's didn't intend for 1-in and smaller stencils to be filled in. Half-Mast

LETTERS 1 INCH OR LESS? NO NEED TO CONNECT STENCIL BREAKS

DIESEL'S NOT FOR CLEANING

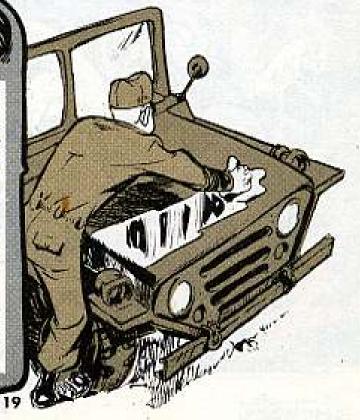
Judging from the shiny glow as the sun rises behind the motor park, some "spit and polish" types are still using diesel fuel to clean outside surfaces of their vehicles.

It's a waste of fuel.

It's a waste of time.

It puts an oily film on the surface and dust soon collects.

But, like the candle burning at both ends, it makes a beautiful glow. Think about it.





tubing needn't scare you. Just because Leaky joints on hydraulic or fuel line FLARELESS TUBE KNOW-

slam-bang muscle-wrenched installaown piddle any longer? air conditioner or such set around in its stall. So why let that compressor, pump, reason to imagine they're ticklish to inthey're the flareless type, there's no Leaky fittings usually result from

tion anyhow.





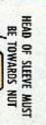




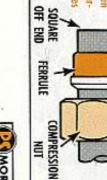


2 Common tool set has one





3. Slip the nut on the tube, then on first." rule has a head, that end the ferrule or ring. "If the fer-



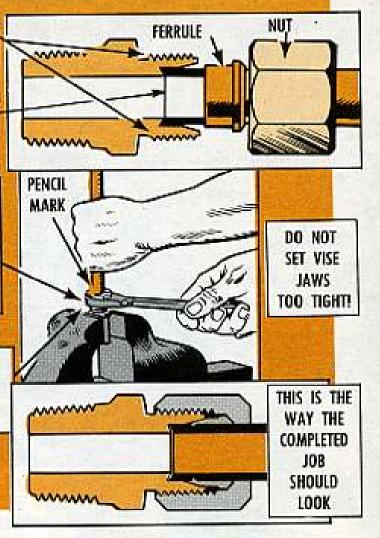
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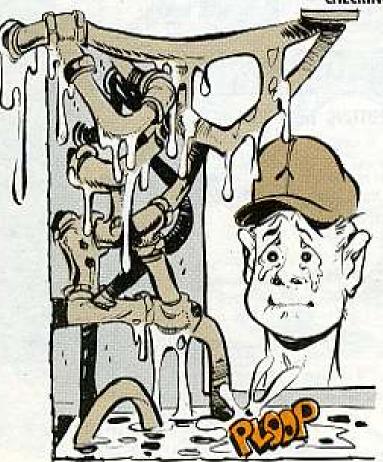




- Seat the tube, straight and square, into the male fitting.
- Run down the nut, thread it up, and tighten it slowly with a wrench.
- While tightening, rotate tube back and forth until you feel the ring grip it. Tighten until you can't turn or jiggle tube with fingers.
- 8. Pencil-mark or scratch position of nut on tube,
 - Using just the right-size wrench never grip pliers — tighten the nut another 1½ to 1½ turns—no more. The scratch mark is your guide.



CHECKING PAYS



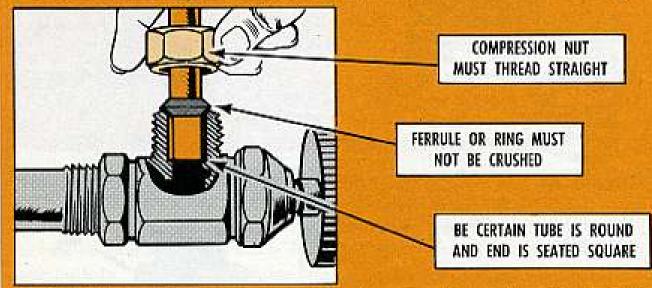
Now, check to make sure you have no leaks. It's never good to just guess. It will help, in fact, if you check over the fitting and the tube on your workbench before you even begin putting it on.

Likewise, repair goes better if you use your eyes before you touch the hardware. Eyeball the nut and the tube seat for cracks. Look for egg-shaped tube ends, burrs, loose or deformed seating, and ferrule rings cutting tube sides. If all looks OK, clean and reseat tubing squarely, and tighten up the nut. Turn it until torque rises sharply, then 1/8 to 1/4 turn and stop. Then if it still leaks, the word is a new fitting, a new line, or possibly both.

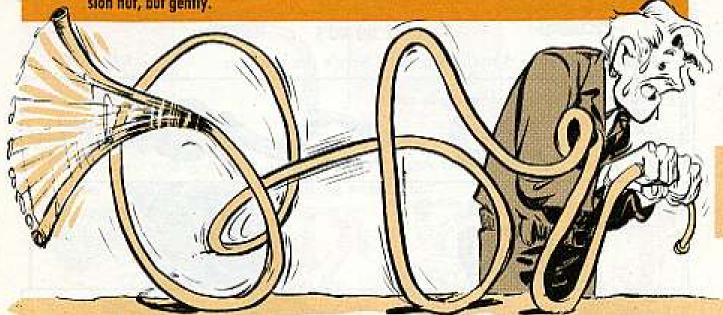
MAKING REPLACEMENTS

If the tube would be too short when cut to take a new fitting, or if the old tube has just had it, replace. You'll be in luck if supply can get you preformed tubing cut to fit. But if not, use bulk stock, and keep these points in mind:

- 1. Always replace with the same type tubing. Never substitute capper or brass line for steel.
- 2. Shape the tube before putting on connections. Use the old line as a pattern.
- 3. Cut only with a tube cutter, not hacksaw or file.
- 4. Make new tube 1/8 inch to 1/4 inch longer than the old one.
- 5. Be certain ends are seated square, tube is round, and compression nut is on threads straight.



6. Hold tubing in hands. Use forming tool, if you have one, to bend and shape it by hand. Vise jaws or grip pliers will kink it, crush it, or deform it. You can use a vise to hold the compression nut, but gently.

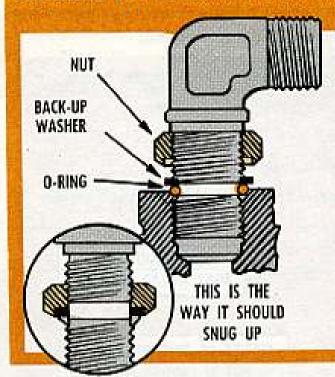


DRY BONES, CONNEC -

Like knee-bones joined to thigh bone, flareless fittings have follow-on links and ties. Special know-how helps with the "O-ring" kind especially.



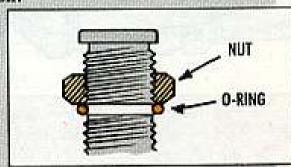
POSITIONING TYPE -- This kind has to face a certain way or point to another joint.



- Run the lock nut back all the way up on its threads to clear the recess.
 - Fit the back-up washer into the recess.
- Lube the O-ring and slip it right under the back-up washer.
- Then screw the fitting in the boss until the O-ring just touches.
- Position the fitting; it can be run in or loosened up to one full turn to do so.
- Wrop it up, hold the fitting neck with a wrench, then rack the lock nut securely down against the boss.

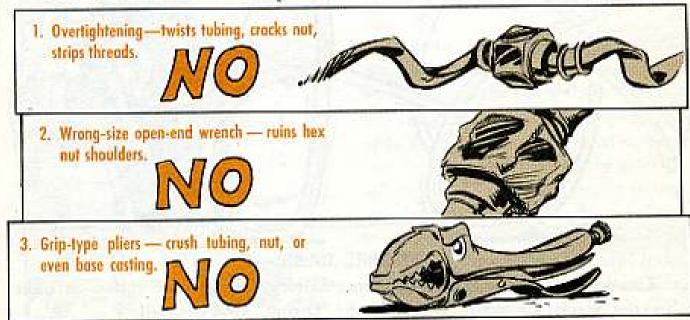
NON-POSITIONING TYPE, without fixed direction.

- These get a thin skin of lube on the O-ring, which is then seated in the groove under the hex nut.
- Fitting and boss, straight-line matched, are finger tightened.
- Setting is easy: open-end wrench to snug fit, 50 ft-lb torque max.



3 NO-NO'S

Fitted tubes have 3 main cop-outs; here's the muster:



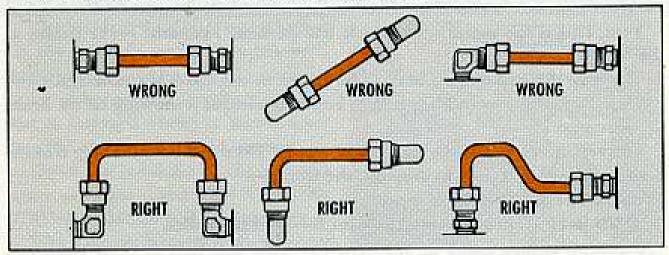
IT TAKES TIME

Another great idea is, don't rush too much. When you find a leak, track down the cause if you can.

For instance, ask yourself whether the fitting was put together wrong in the first place, or if the tube wasn't shaped right to begin with.

One main thing to remember is, you hardly ever want tubing to run straight from joint to joint with no loop or allowance for stretch.

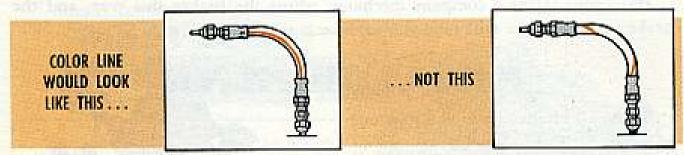
Here's the right and wrong way to install tubing:



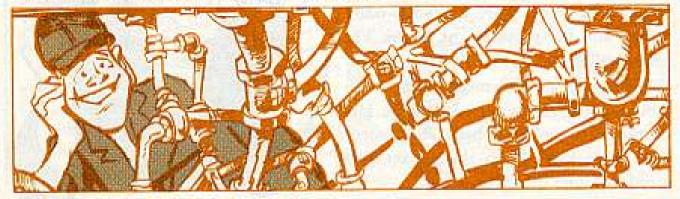
Rigid lines don't stand up to vibration well, for one thing.

If you dropped a wrench on any of the lines at top, you'd more'n likely snap the tube or joint smack off. But it'd take a harder lick on those below . . . there's some built-in "give" for protection.

And finally, when you tighten, avoid twisting the tubing. Imagine you'd drawn a line down the tube with a grease pencil.



Then when you get your joints all made, leak-free and clean, you'll wonder why you were ever scared of anything so simple.







HERE'RE L

M60A1 TANK, M60A1 LAUNCHER, M48A3 TANK, M728 CEV

TANK HYDRAULIC BRAKE CHANGE

the M60A1 tank. Yep! This is for you if your vehicle has the same hydraulic brake system as

can wind up with a hydraulic pressure build-up without it showing on the brake The way the step-by-step brake adjustment in the -20 TM's now reads you

brake adjustment revised to drop out the words -To keep this from happening all 4 of the -20 TM's will have the Step 6 of the

"contact brake lever" and substitute -

".020-in clearance between the cam face and the roller."

Until this change comes through you can make that note on these pages . . .

M728 CEV TM 9-2350-222-20 2-303 6AGE HONEST M60A1 Louncher TM 5-5420-202-20 6-86	2-303	TM 9-2350-222-20 TM 5-5420-202-20	M728 CEV M60AT Launcher
Page 3	2-294.1	TM 9-2350-224-20	M48A3 Tank
DE 000	2-310	TM 9-2350-215-20	M60A1 Tank
1000	Page	Technical Manual	Vehicle

brake pressure gage will give you an honest reading, Have your talented company mechanic adjust the brakes this way, and the

M113A1 OIL FILT

That is, it shows FSN 2940-580-6283 of your M113A1 diesel-series carrier need and toss the other 2 out. and 3 gaskets. Keep the gasket you 580-6283 might better be called a kit, They're the same element. FSN 2940shows FSN 2940-555-6348. No sweat! on it, and the replacement in the TM listed in TM 9-2300-257-20P (Mar 69). has a different FSN than the element cause it comes with both an element So the oil filter element you took out



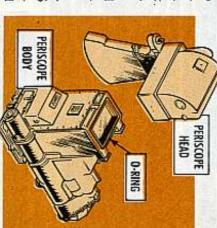
M551 SHERIDAN -

PERISCOPE PACKING PERILS

rate the periscope body and mount. lost or damaged when you join or sepasance airborne assault vehicle can get scope in your M551 armored reconnaison the XM44E1 or E2 gunner's peri-The preformed packing seal (O-ring)

9741 (MS 9021-259) if you need it. get a new one under FSN 5330-690 Check the condition of the seal and

groove before putting the preformed gets a tube of the adhesive.) packing in place. (FSN 8040-828-7385 or Depot mechanic) will smear MIL-A paired your turret mechanic (or DS, GS 46106 adhesive around the entire sea When the periscope is replaced or re-



surize the periscope per TM 9-2350-230-12 (Jun 66). After this is done you purge and pres-

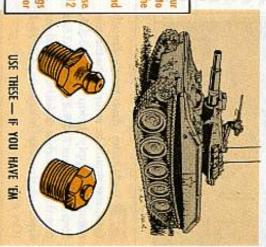
LOWDOWN M551 LUBE

grease but it does not add lube fittings to the MSS1 Sheridan suspension system from oil Nopel MWO 9-2350-230-30/2 changes

ome of them don't. Some of the housings have these fittings and

gun the way it says in Ch 6 to TM 9-2350-230-12 Jun 66 | Fig 9 - 60.1, Pg 9 - 68.1. The housings with the fittings get lubed by grease

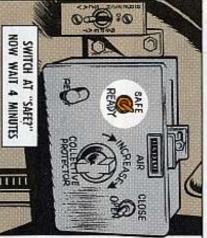
get lubed by hand packing during replacement or Housings without the grease and relief fittings





TIPS ON GETTING THE MOST OUT OF YOUR SHILLELAGH

snow could bother a missile. It will, though, if you got over a quarter-inch of it on the front of your vehicle. Launching the missile blows the snow back on the tracker and weakens (or even completely stops) the guidance signals. Besides that, you can't see to guide the missile when your optics are covered by snow . . . So sweep it off before you launch.



your SAFE/READY switch to the SAFE position when your missile has failed to launch for the third time? You do absolutely nothing for 4 minutes (count 'em slowly) 4 minutes while you stay clear of the breech. This is so you'll be out of the way if the missile ignites and the gun-launcher recoils. This 4-minute limit is spelled out on page 3-6.4 (Ch 7) to your trusty TM 9-2350-230-12 (Jun 66).

(misfires) should be returned to the ammunition supply point. Table 3-4.1, Step 34, of your TM 9-2350-230-12 has the word on this, Misfires are to be reported the way it says in AR 75-1 (Oct 69).



ners keep their eyes closed for a second or so after missile launch. That way they avoid temporary night blindness. (Later, when the newest missiles with light filters get issued, you won't have to do this because they are easy on the eyes. But for now, just shut your little peepers for a coupla seconds when you blast off a missile at night.)

CANAL PER AND SAME

A "SECOND OR SO" IS 99999999999999999999



lish — The further away a Shillelagh missile gets the longer it takes to change course after you give the signal. This is easy to forget. You should remember it, though, particularly when the missile is close to maximum range or you're trying to hit a moving target. It's real important to keep the line-ofsight on or near the target center for the last few seconds before the missile impact.

necessary. No one wants to holster an lube your handy-dandy gun whenever for any face-off. Eyeball, clean, and loving care (TLC) to keep it PM-ready Your 6-shot side arm needs tender

BEFORE-FIRING PM

ceiver parts for dirt. Check bore, chamber, exterior 7



clean cloth dunked in rifle bore cleaner (RBC) MIL-C-372 then wrung out. Wipe outer surfaces of gun with a

remove any extra oil. Run a clean patch thru the bore to



piece, and hammer. tractor rod, cylinder and yoke, thumb-Check operation of locking bolt, ex-



tightness. Keep all screws tight. Check cylinder for alinement and

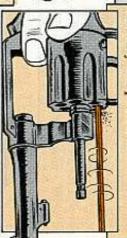


AFTER-FIRING PM

cylinder. rifle bore cleaner on the barrel and der ashes get the heave-ho, pronto. Use Carbon deposits, primer salts, pow-

cleanings. on the bore and chambers between brush. Leave a light coat of PL special gets the ramrod treatment with copper Any hard-to-dislodge rust or crud

efficiency and protection Use PL special full strength for maxi-



cloth. (Emery cloth is a NO-NO!) Remove all traces of rust with crocus



putting rounds into the cylinder. sand, water, rust, excess oil, before Keep cartridges clean. Wipe off dirt,

fast. Never use a battered round bullets, corroded cases? Turn 'em in-Dented, scratched cartridges, loose



belts corrodes faster. Ammo in leather pouches and gun

ance. Lone Ranger type ammo is OUT! show, but doesn't improve perform-Shiny, polished ammo makes a good

HOW I'M NOT TOO WORRIED!



shooter up to par: your unit arms room to keep your 6-Here's the stuff you can draw from

cleaning rod; Brush, copper; Cloth, abrasive crocus; FM 23-35 (Jul 60). Swab, small arms cleaning; Handle, ing oil, general purpose (PL special); Rifle bore cleaner (RBC); Lubricat-



WANTS TO KNOW... If you're a missile system maintance type, or are in any way respon-

enance type, or are in any way responsible for maintenance, there're a coupla' fine pubs just begging to be read by you. First is TM 750-245-4 (Oct 69) Quality Control Inspection Criteria (Guided Missile Systems), and the other is FM 9-59 (Mar 70), Missile Support Unit

You can glom onto either pub at your direct support platoon if your unit doesn't have a DS responsibility.

the need for quality control and top maintenance at the unit level . . . and lets you avoid the problems you can create for support.



If you're a CO or NCO, the pubs are what you've been looking for to help you set up an effective maintenance program.

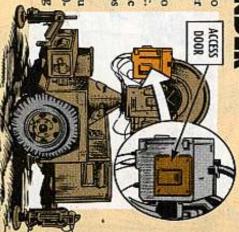
What's more, you won't need a "wuzzat" or a "huh" next time somebody spouts "MTBF" at you.

DOD DEMINUTE

Give an extra look next time you're about to fasten the access door on the receiver-transmitter of your AN/MPQ-37 Hawk ROR.

Chances are some of the cabling is about to get pinched, with resultant loss of voltage, etc. So ease the door back on . . . after moving the cables clear. And make sure the cable clamps are adjusted.

If local oscillator lockup procedure has you puzzled, pages 2-27 through 2-34 of TM 9-1430-510-12/1 (Aug 66) spell it out for you in living



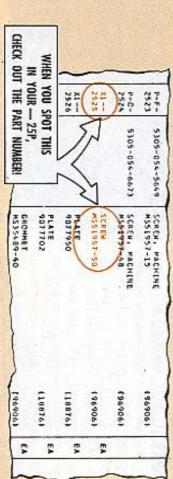
notes

X1 FSN'S

1999999999999

The X1 items in the Hawk system new parts manuals got you bugged because you feel they should be stock-numbered?

And, you don't think it's necessary to requisition the next higher item because some X1 items cost so little?



Chances are you're right on both counts. So wot to do?

So check out the X1 item part numbers in the Army Master Data File at your DS or post-level supply. Chances are they do have FSN's . . . and the parts are in stock.

If you need a part for maintenance and there's no FSN listed, requisition it, item-for-item, using non-FSN requisitioning procedure (see para 3-20.1, Ch 34, AR 725-50, or refresh your memory with PS 205, page 6).

Maintenance items in current TM's with X1 source codes are being reviewed
... and correct codes (with FSN's, where applicable) will be in the next revisions

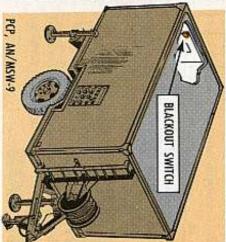


Hawk system components thrive on a short talk, from your PAR's azimuth ring to your PCP's roof.

To those initial-ridden lists, add PM. After that, maybe a double-OK.

STARTING FROM UP, consider the roof of the PCP, AN/MSW-9.

Hold one on a 4-handed poker game up there. Three people on the roof is pot limit, even though you may feel more are needed up there at times. Try an overload and you'll make leaks . . . and somebody inside is gonna get wet.



When you leave the PCP remember to turn off the blackout light switch,

Forget the switch and you might get enough juice out of the batteries to give you one sad wail on the siren... before it discharges completely. And getting a battery up to full charge, and out, is no easy task.

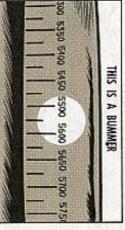
If you remember the switch when you lock up and leave, the trickle charger should bring the batteries up even after siren use.



IF YOUR AN/MPQ-35 PAR's azimuth scale ring is a replacement, or if you need a new one, double eyeball the scale marking at "5500."



Some of the scale rings coming in under Part No. 10109226, FSN 1430-945-5719, have no "5550" reading, so



instead of graduating by 25-mil tick marks, you've only got 1 tick mark between 5500 and 5600.

Which means that every reading above 5500 is going to be off by at least 25 mils.

So, if the scale's wrong, get the ring replaced.

Still with the PAR, remember this work-saver on the stabilotron magnet:



it'll rust when the radar set's not in vse but it affects the magnet not one bit.

Trying to get the rust off that grabber can do it more harm than good.



THE AN/TSM-41, -42, AND -43 electronic shop console filters must be cleaned weekly... to prevent dirty contacts, overheating and other damage.

On the weekly, tap the dust and dirt out before you clean the filter with warm water and solvent. At least once a month blow the dirt out with an air hose before you make with the wet clean.

A COAXIAL WORD on the OMTS shops: if coax connectors are too loose



or too tight, you lose . . . cither way.

If they're loose, you lose critical decibels on both the sending and receiving ends.

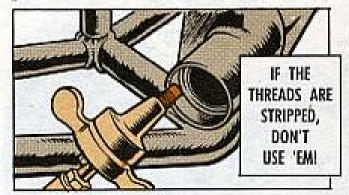
If they're too tight, you can crimp or cut the ground, which loses coax capability, or damage the coax receptacle. The connectors are touchy and need

a "just right" snug up.

Clues: if the cable turns in the connector, the connector's not snugged up enough.

If the center pin (contact) extends beyond the ceramic, the connector's too tight. Which means you can damage the pin . . . and the receptacle.

THE XM78E2 TOWED LAUNCH-ER towing brace (sway bar, stabilizer—you name it) on the outriggers can stand some practiced eyeballing before you hook up the outriggers in tow position.



Like on the threads. If they're totally or partially stripped, forget 'em. Also, match the brace threads to the outrigger threads. Some are coarse, some are fine. If they don't turn easy, forget about forcing them.

And snug them uptight.

Otherwise, the brace'll back off during a ride leading to some very expensive damage—anything from a butchered outrigger to a launcher in a ditch.



HAWK DECALS

Dear Half-Mast,

Can we get replacements for the high voltage warning and other decals used with our Hawk missile system?

CWO R. C. T.

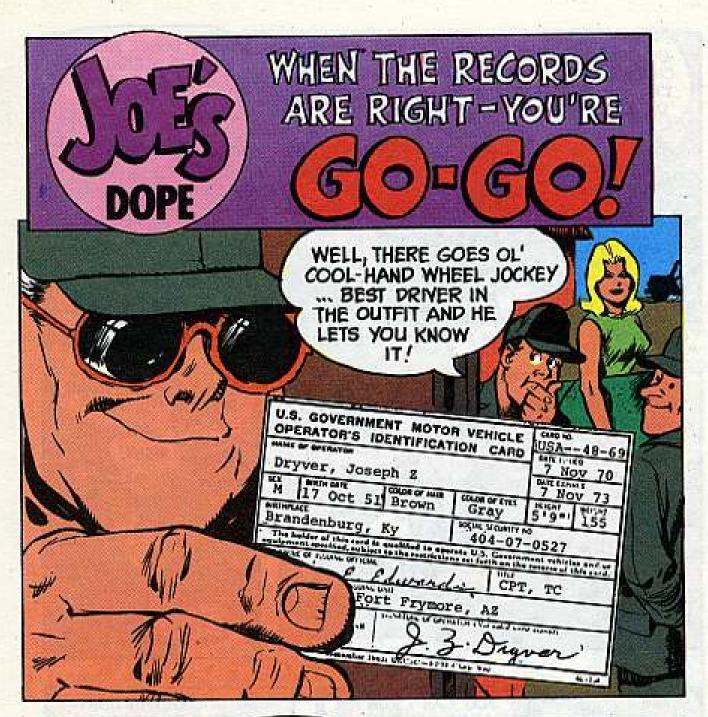
Dear Mr. R. C. T.,

You'll find CAUTION: HIGH VOLTAGE, FSN 7690-281-3077, and other decals listed in SC 7660/90-IL (Jul 67). Some special decals may have to be stenciled on.

Directions for removing decals and info on stenciling is in Ch 1 (Feb 65) to TM 9-213, Painting Instructions for Field Use.

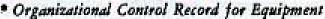
CAUTION HIGH VOLTAGE

Half-Mast























- * Equipment Inspection and Maintenance Worksheet.
- ** Equipment Acceptance and Registration Record





* Uncorrected Fault Record





*The Army Maintenance Management System



















* Equipment Component Register



BACK AT THE MOTOR PARK...



YOU KNOW, THAT ANY IDEAS YOU HAVE, PUT 'EM DOWN ON A DA 2407 AS AN EIR.

OK, AND NOW I GOTTA NOTE THE MISSING ITEM ON THE DA 2404... IF IT'S NOT IN STOCK... SARGE TRANSFERS THE ENTRY TO DA 2408-14. THE SUPPLY CLERK GIVES ME THE NUMBER FROM THE PRE-PRINTED DA 2765 REQUEST, I ENTER THE NUMBER ON 2408-14.





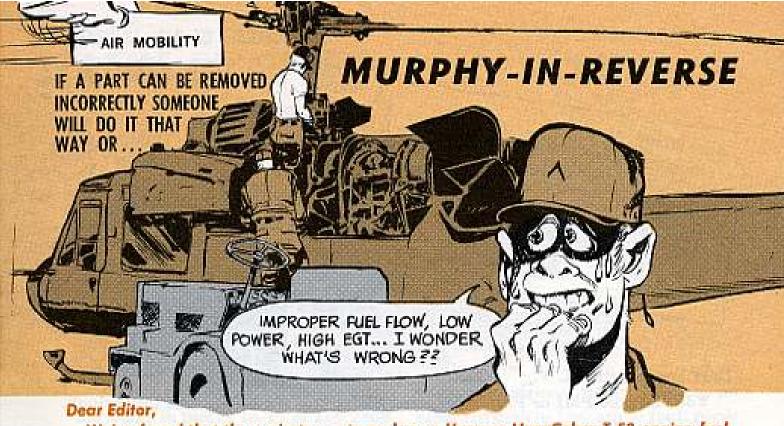












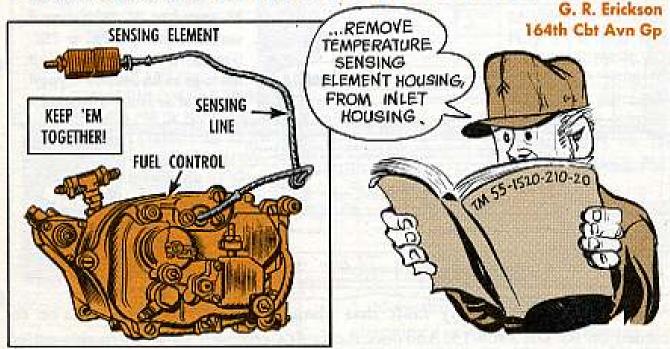
We've found that the easiest way to replace a Huey or HueyCobra T-53 engine fuel control is definitely not the best way. It can lead to all sorts of fun and games such as improper fuel flow, low power, high EGT and shorter engine life.

The shortcut that some mechs take is to disconnect the temperature sensing element line at the fuel control. They then put on the new fuel control and use the old uncalibrated, dirty sensing element. That's when fuel control problems really begin.

Of course, each new fuel control comes with its own sensing element. That's because they are calibrated together at the depot fuel lab.

There is just no shortcut to the Huey poop in para 5-345d of TM 55-1520-210-20 (May 69).

The sensing element has to be changed along with the fuel control.



(Ed Note—You're so right! That Murphy-in-reverse also leads to a shortage of sensing elements at the depot.)



Dear Windy craft faults can be entered on the DA 2404 alone at a PMI or PMP? That is, what faults can be signed off there without an entry of the fault and its corrective action on DA Would you spell out exactly what air-SP6 K. R. V.

RREGULAR

Dear Specialist K. R. V.,

on the DA 2408-13. You start the PMI or PMP with a red dash status symbol (for the inspection

fault you find during the inspection on DA 2408-13. gets a status symbol more serious than the red dash - you won't need to enter any over from a previous DA 2408-13 - and if no fault found during the inspection If no fault with a more serious status symbol (circled red X or red X) is carried

spection, all other faults found during the inspection can be entered on DA 2404 And, if there's a red X status symbol on the DA 2408-13 at the start of the in-

only - with corrective action shown there only.

1	-	-		17	0	1 WG	١
	,	FAULTS AND OR REMARKS	JLTS and	7.			100
DA 2408-13		1	-	H	1	200	F
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people		****			į		Ĭ
P 1-4		Jan.					T
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11111	Sect ties	- Annice of		APD	ATUL 1004	174	
A	7	63 386		N-81	1900-	JL 71	S.

For any fault with a status symbol has to go on DA 2408-13 anyway O'course, if it's not corrected, it completed during a PMI or PMP. be entered on DA 2404 alone if Then to other forms, if required. fault and its corrective action can that's a red dash or red slash. The

Marin Hadrett Mondell Subset

corded on its DA 2408-13. And once the fault's recorded there corrective action carried forward on). must be recorded on DA 2408-13, too (on the same DA 2408-13 or one it's The basic rule is: Any fault that changes the aircraft status must be re-

STATUS CHANGES

BELIEVE IT? HE'S FILLING OUT A STATUS ON

2408-13 DA FORM MOULD YOU

ing faults in blocks 16-17 of DA 2408-You not only enter such status-chang-

show aircraft status at all times. block 7. That's so the DA 2408-13 will 13 — you make the status change in

on DA 2408-13 is not affected by the kept with DA 2408-13. changing faults, and their correction, fact that DA 2404 is attached to and This requirement to record status-

no other fault needs to go on DA 2408.

13 since the status won't change

or any that's less serious needs to go on to go on DA 2408-13. other red dash or less serious fault needs para 4-12c(2)(t)3 in TM 38-750. DA 2408-13. your most-serious status symbol, no cled red X, no other circled red X fault If you start with a carried-over cir-Starting with a carried-over red X, When you start with a red dash as That's the meaning of the note in To recap: During any PMI or PMP-

SE SEL	D 45240	DA MISO	WAY CO	S GNN	N OFF
ないには	Control of the Later	W.E. web.	2	3F/0	1386
0	-13.	GO ON DA 2408-13.	N D/	0 0	Щ
TOO, MUST	LATER FOUND, IT, TOO, MUST	S .	LATER FOUND,	HE S	
2408-	MUST BE ENTERED ON DA 2408-	ENTERE		SIN	
ACTION	A	CORR	3	AND	
WP CHANGES	DURING A PMI OR PMP CHANGES	PMIORP	N G	DURING A	1
GIND	THIS CIRCLED (X) FAULT FOUND	X) GBT	CIRC	똞	1
-	10172				
	10001				1
-	9440	-	trate bear	1	Jaren Dave
A			044	Avega stream	
USP COL	65 3387	7	U-BI	10/37	6301 71

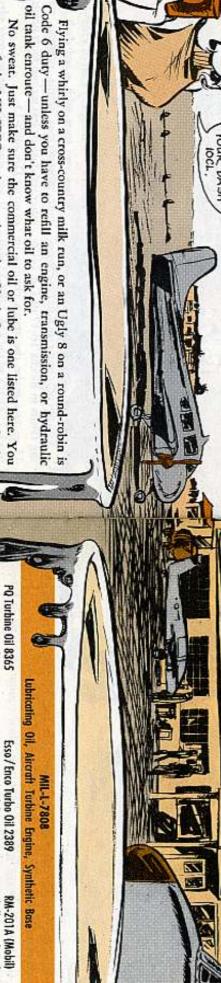
they check the bird's flying feathers. pilot and crew chief or mechanic when changing faults always in front of the Hope this will help keep those status-



AT CIVILIAN AIRPORTS.

THESE COMMERCIAL OILS ARE OK





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Aircraft	
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Turbin	1-23
Turbine	-L-236
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Turbine	-L-2369
	-L-2369
	-L-23699
Turbine Engines	-L-23699
	-L-23699
	-L-23699
Engines.	-L-23699
	-L-23699
Engines.	-L-23699
Engines, Synthetic	-L-23699
Engines.	-L-23699

(American Oil)

RM-184A (Mobil)

Shell Aircraft Turbine Oil 307

oil tank enroute—and don't know what oil to ask for.

equal to the Army brands.

may not find a MIL SPEC on the containers, but Uncle Sugar guarantees they're

70.4	ANALY I AT MIN LATER	2000
PU Turbine Lubricant 6423	23Y5 TUTDO UII (W5-045Y)	Brayco 899-5
(American Oil)	(Humble)	Stauffer 6924
PQ Turbine Lubricant 5247	2392 Turbo Oil (Humble)	Stauffer Jet II
(American Oil)	2393 Turbo Oil (Humble)	RM-139A (Mobil)
PQ Turbine Lubricant 6700	SATO 7377 (Texaco)	RM-147A (Mobil)
(American Oil)	SATO 7730 (Texaco)	Avrex S Turbo 260 (Mobil)
PQ Turbine Lubricant 7731	Castrol 205	Avrex S Turbo 265 (Mobil)
(American Oil)	Chevron Jet Engine Oil 5	Royco 899 (C-915) (Royal)
PQ Turbine Lubricant 8878	STO-21919 (Drew)	Royco 899SC (Royal)
(American Oil)	STO-21919A (Drew)	Shell Aircraft Turbine Oil 551
PO Turbine Lubricant 9595	STO-6530 (Drew)	AeroShell Turbine Oil 500
(American Oil)	HATCOL 3211 (Hatco)	AeroShell Turbine Oil 550
2380 Turbo Oil (WS-6000)	HATCOL 3611 (Hatco)	Chevron Jet Engine Oil 5
(Humble)	Brayco 899 Brayco 899-G	TL-8090 (Texaco)

9150-200-25 (Sep 67). tainers and strainers. Mixing a mineral base lube with synthetic type is a no-no, too. while your bird is serviced, be sure you're getting POL from new or clean con-You can get a refresher course in buying commercial POL items from TB 55. Hold one, AC-types. Before you high-tail it over to the canteen for a cup of Joe

MIL-L-22851 Type II

Brayco 756E

Brayco 756D Brayco 7560 Brayco 7578

Petrofluid 4607

(Pennsylvania)

TL-5874 (Texaco) PED 3337 (Standard) PED 3565 (Standard)

(Union Carbide)

Petrofluid 5606B Mobil Aero HFB Univis J41 (Humble)

XSL 7828 (Shell) DS-437 (Royal) Rayco 756D (Royal Royco 756C (Royal

(Union Carbide)

(Pennsylvania)

"PQ" Hydraulic Fluid 4226 (American Oil)

Castrol Hyspin A

Stauffer Aero Hydroil 500

Hydraulic Fluid, Petroleum Bose, Aircraft and Ordnance

MIL-H-5606

Lubricating Oil, Aircraft Piston Engine (Ashless Dispersant)

Enco Aviation Oil E-120 PQ Aviation Lubricant 753 Esso Aviation Oil E-120 (American Oil) RM-173E (Mobil) RM-180E (Mobil) Premium AD 120 (Texaco) Aircraft Engine Oil Esso Aviation Oil A-100 Enco Aviation Oil A-100 AeroShell W 120

Type III

Enco Aviation Oil E-80

Esso Aviation Oil E-80

AeroShell W 80

MAKE IT A "PAPER" MOD



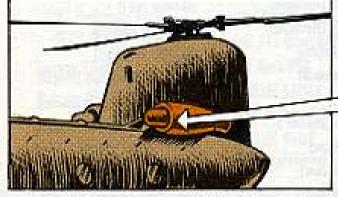
Never head for your aircraft with a drill in your hands, birdmechs, unless you have a good reason—like applying a modification work order.

Some airtypes are always trying to "improve" their equipment without benefit of MWO.

Take the case of the hole drilled in a Chinook (CH-47) engine mount leg to provide a lock wire point for a quick release pin.

The hole was drilled in a primary structure. It added stress and strain in a critical area so the mount had to be changed . . . some "improvement!"

'Course there're plenty of places to secure the quick release pins.

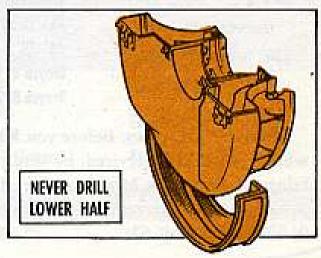


Another common goof is drilling a drain hole in the lower half of the sand and dust separator, FSN 2945-917-7073 (not the self-purging job).

Sure, the unauthorized hole will let out dirt. When flying in the rain it'll even drain trapped water.

The trouble is, sand and dust come in thru the hole, by-pass the filter and go into the engine.





The result is crosion of the compressor blades, reduced engine life and loss of power.

'Tain't worth it!

The purpose of the particle separator is to collect dirt. Dirt and any trapped water are easily dumped out of the collector boxes during the Daily.



AR 750-35 (Dec 68) has the words on mods. Para 1-4 says alteration of materiel by any organization or activity, except as authorized by that reg and AR 700-35 (Mar 71) on funding, is a no—no.

Make your improvement on paper, birdmechs.

An EIR, DA Form 2407, to the headshed (AVSCOM) may get it on your bird after all, via the MWO route.

FLITTER-FLUTTER LIMITS

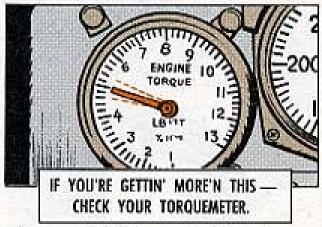


Dear Windy,

Our Chinook maintenance crew and pilots are rapping over how much the torque needles should fluctuate.

TM's say 100 pounds but this seems a lot to us. How do you read the ± needle bit, Windy?

SP5 M. R.



Dear Specialist M.R.,

I read the maximum torquemeter flitter-flutter as \pm 50 pounds. If you're getting more'n this better give the torquemeter a checkup.

Like maybe it has a worn or damaged backlash gear in the transmitter, the coupling pin is Murphied, or you don't have the dampening out indicator.

If your bird has one of the old torquemeter indicators, fluctuations can be reduced by taking the corrective actions in Chap 10 of the Dash 20 TM.

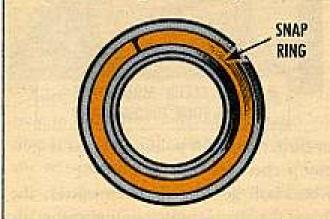
The latest indicator, FSN 6620-759-8288, has a dampening device which gets rid of fluctuations.



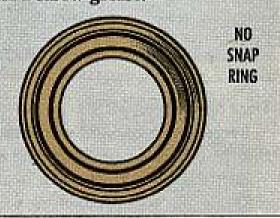
Using 2 different kinds of bearings— a never lubed type and one that gets lubed—in the tail rotor drive shaft hanger assemblies on your Hueys and 'Cobras is OK . . . but it can cause a heap o' trouble when it's time to identify and lube the right ones.

Here's how to spot the lube type bearing . . . and stop a goofup.

Bearing, P/N 204-040-615-3, in assembly, P/N 204-040-600-7, is the one that's lubed with "the needle," according to para 7-125, TM 55-1520-210-20 (May 69). It has a snap ring on each side of the hanger assembly.



Factory lubed and scaled bearing, P/N 204-040-623-1, in assembly P/N 204-040-600-9, does not have a snap ring a-tall. Never use the needle to grease this bearing because you'll ruin the seal. That means a bearing change . . . extra elbow grease!



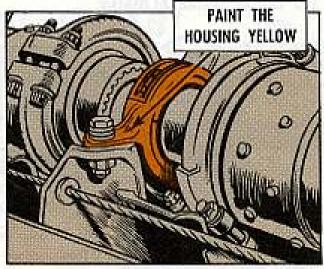
While the snap ring bearing is no longer listed in the P-manuals, some may be in the supply system. You may find some of 'em on the same tail boom with the self-lubed bearing—in your Huey fleet.

Until you replace the old bearing, get an OK from the MO to paint the bearing housing YELLOW—a reminder that the bearing gets a periodic shot of grease.

When you replace the snap ring type with the new bearing, be sure you renumber the bearing housing assembly, from a —7 to a —9. Restamping will do just fine. Make sure you remove the yellow paint!

The pub will be your authority to

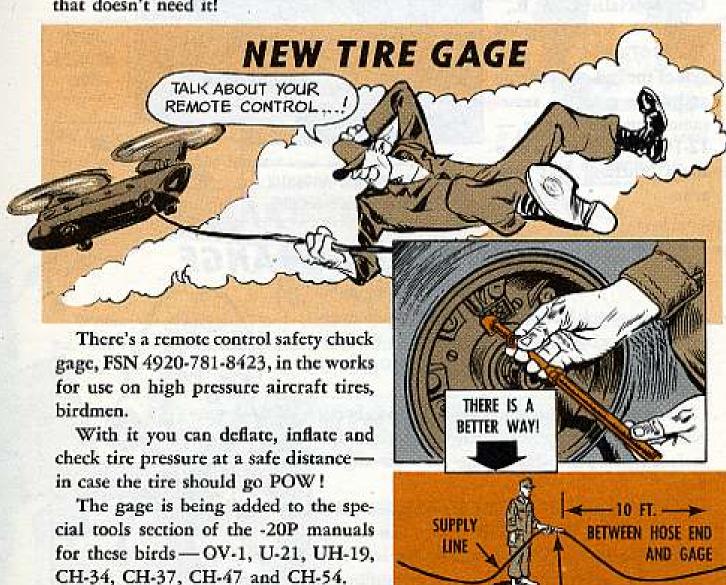
get onc.

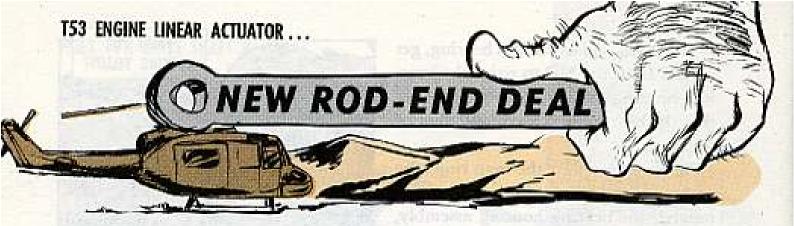


GAGE

Your Huey PMD calls for a damage and security check on the tail rotor shafts, hangers, clamps and covers plus an inspection for grease leakage on all tail rotor shaft couplings . . . no sweat.

It would be a shame to ruin a bearing with a shot of grease, tho, 'specially one that doesn't need it!





Dear Windy,

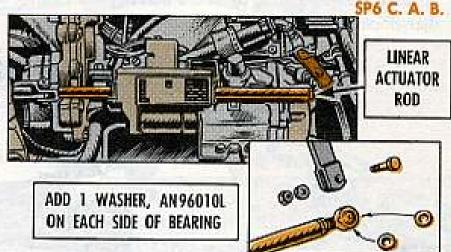
I've always used finger-tight torque when tightening the bolt connecting the linear actuator rod-end to the Huey's fuel control unit.

But if the bolt pinches the clevis against the rod-end and the actuator is moved, the arm is bent and could break in flight. If the bolt is too loose you won't get any force on the arm.

What's the correct installation, Sarge?

Dear Specialist C. A. B.,

Put 1 washer, FSN 5310-167-0834, on each side of the rod-end bearing and make with the same-same standard torque—12-15 in-lbs. Washers stop clevis pinching and bent arms.



ENGINE INFO CHANGE

For the special inspection "word" on an overspeed or overboost of the Otter (U-1A) R-1340-61 engine, birdmen, eye TM 55-2810-223-24 (Jul 70).

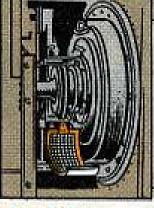
Basic recip and turbine engine poop is being removed from Chap 5 of the bird organizational maintenance pubs. It's going into the engine pubs.

The same transfer of info has also taken place on the Beaver (U-6A) R985-39A. The engine pub is TM 55-2810-224-24 (Oct 70).

So, when you can't find what you want in the bird pub latch on to the engine pub, listed in DA Pam 310-4.







EDGES WITH SOLVENT GIVES IT A LITTLE "SLIDE"

DID HE SAY SALAD OIL WITH GARLICE

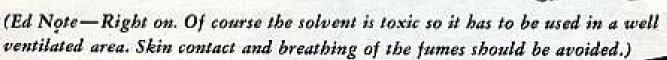
Dear Editor,

Inserting the air filter into the particle separator at the Huey (UH-1) engine inlet can be a bit of a squeeze.

We found, tho, that coating the filter edges with solvent, trichlorethylene, O-T-634 or MIL-T-7003, gives the needed slip and slide to make it a breeze.

The solvent doesn't decompose the filter material — and never leaves residue to collect dirt.

> MAJ William G. Daly Jr. Fort Stewart, Georgia



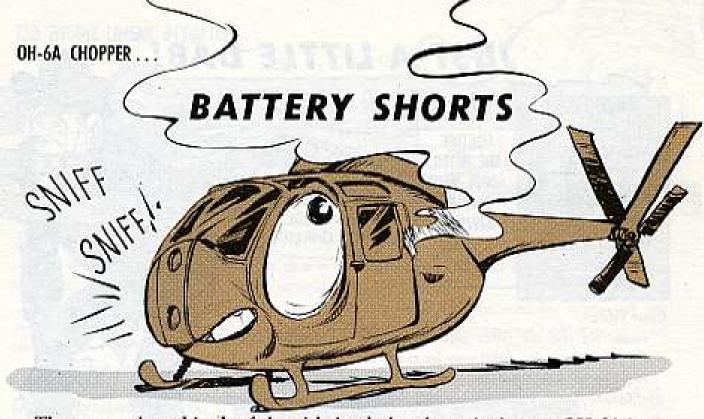




When you clean the Huey (UH-1) T-53 engine, take off both halves of the particle separator, knucklebusters. If you do your thing with the upper airfilter off and the lower airfilter on, only half the engine inlet will get cleaned.



Don't sweat the 100-hr hydraulic and pneumatic filter element change listed in the Mohawk (OV-1) organizational maintenance pub, mechs. Do your thing every 3rd Periodic, as called for in TM 55-1510-204-20PMP (Oct 70) . . . sequence 1.19.



The receptacle and leads of the nickel cadmium batteries in your OH-6A 'copter can set you up for a hot ride the day after you get lazy with the PM.

Meaning, poor insulation at the receptacle, electrolyte spill and high moisture can set up a short . . . which could cause a fire.



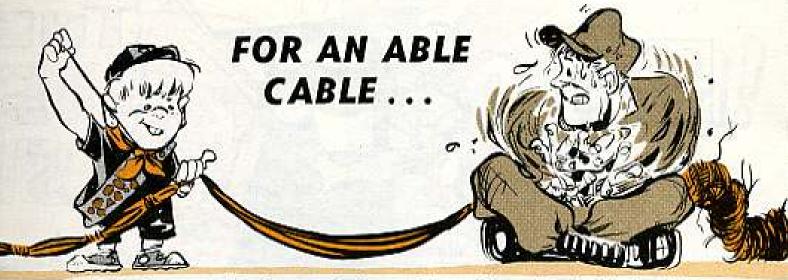
- Moisture sets up the short by sceping through bad or broken insulation . . . either on the leads or at the receptacle.
 - Electrolyte spill sets up the same bit.

Wot to do? Be sure that the receptacle back and leads are epoxy coated . . . or get it done by your support. TB 750-911-3 (Apr 70), pages 7 and 8, tells 'em how.

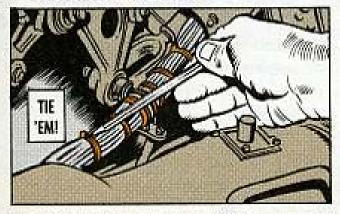
Two good ways to cut down hazards from the No. 2 problem area—electrolyte spill — is a proper voltage regulator setting and careful electrolyte fill.

Whether your problem is with the BB-641/A or BB-678/A battery, TM 11-6140-203-15-2 (Dec 69) gives you a chart on page 3-5, para 3-4c, which tells you the regulator setting for the weather you're getting.

Paras 4-11 and 4-12 on page 4-4 of the above TM clue you on the best way to adjust the electrolyte to prevent a lot of spewage. And when it does spew, clean up the goo.



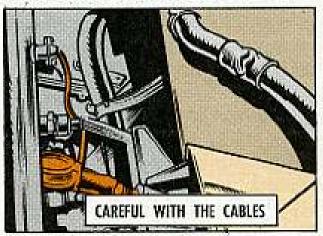
Is the dangle angle of your avionics cables leading to a tangle mangle?
Then, tie 'em, Clem.



Easiest way to avoid dangle anguish is to re-tie any cable or wiring spot ties you remove, break, or otherwise disturb.

Next, of course, is to put 'em where they're needed. That goes for dangling connectors looking for a place to rest —as well as cables. Saves damage, binding of controls . . . and you name it. If you have the plastic ties, it's no work at all. Twine might take a few seconds longer.

Big point on cables: batteries can pinch 'em, cut 'em, or short 'em out if



you accidentally set 'em down on cabling. That's even more so with the antenna cables in the UH-1 aircraft.

Be careful when you set the battery in place . . . to be sure you haven't caught a cable.



If you're in the external air delivery business, take a peck at Ch 1 (20 Aug 70) to TM 55-1670-259-20. A questionable 15,000-lb capacity sling now has to be inspected by an MOS 43E parachute rigger... prevents supplies being turned into scrap due to an unscheduled let down!



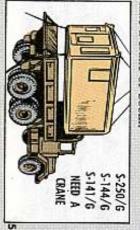
FORKLIFTING? It's perfectly OK on some of the newer electrical equipment shelters—but you've gotta be careful how you handle it.

F'rinstance, the S-280/G type shelters take forklifting from the sides, and the S-318/G type shelters from the

FORKLIFT S-318/G FROM END

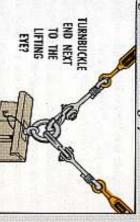
But, if you forklift from the wrong places, you could bash, bend, bang or break your shelter.

Keep in mind that some shelters, like the S-250/G, S-144/G and S-141/G, just weren't made for forklifting. They take a crane or boom.

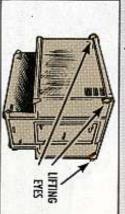


When you sling-lift a shelter, beware of sudden jerks or swinging while it's on the move. This could tear out the lifting-eye assemblies.

Make sure you use the right sling assembly with the turnbuckle end of each leg next to the lifting-eye.



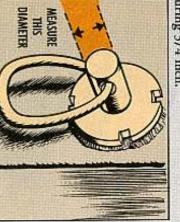
THOSE LIFTING-EYES on the S-318 can break during the lifting operation—and it won't necessarily be any fault of yours.



The deal is, some of the lifting-eyes on the S-318 are weaker than they oughta be, and they won't do the job.

Here's how to find out whether you've got an S-318 with faulty lifting-

Measure the stud diameter of the eyes. The faulty studs will come out 11/16 inch, with the newer studs measuring 3/4 inch.



That 1/16-in will tell the tale.

Also, if you try to fit an 11/16th-in

wrench over the stud diameter, it will fit only if you have the faulty liftingeyes.

Or use an adjustable wrench set to an 11/16th-in opening.

If you do have the faulty lifting-eyes, contact your direct support about replacing the eye assembly.

THE WORD'S on page 32 of TB 750-911-3 (Apr 70). Better check all your \$-318's...you'll save lotsa trouble that way.

TB 750-240 (Jul 69) has the scoop on PM for your shelters, including tips on lifting.



major damage. Support to check it out before it causes seepage, no matter how small, get your If ever you spot a leak or moisture

a puncture or leak go unpatched a minute longer than necessary. Which means, too, that you don't let

has the word on spot-painting. as soon as you see it's needed. If you have a full paint job later at a higher ponements—there'll be no reason to keep up your spot-painting - no postlevel of support. TB 750-240 (Jul 69) When it comes to spot-painting, do it

good word on page 39 of TB 750-240. matting on the shelter floor, eyeball the IF YOU NEED to replace the rubber

> secure the binding post signal entrance door, like on the S-178()/MRC-69(v). box and the power and signal entrance screws on the front of the shelter There's no FSN for the screws, which Don't lose the knurled hold-down

where they're used on other models; no FSN's for these, either. The same goes for the wingscrews,

missing, the screws can release comholds the screws, but if the washer is pletely and be lost or mislaid. Take care, There's a small retaining washer that

SNUG-UP YOUR ANTENNA E-A-S-Y WHIP ANTENNA SECTIONS MX-857 MAPTER

the MS-116() whip antenna section snugly into the MX-857/adapter. Workin' with the AN/GRA-4 antenna group? Then, take pains to screw

deep for the trouble. load, and you'd have to pull the T-195 transmitter so a repairman could dig A loose fit between the section and adapter can mean the antenna might not

snug-up. That's unnecessary down-time, man-when all that section needed was a

Q-4A RADOME PROTECTOR

of your AN/MPQ-4A radar set? Need a good raincoat for the radome

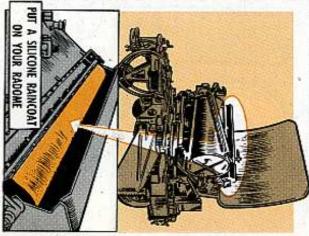
cuts RF loss caused by rain water. 1-pt can of a new silicone coating which FSN 5970-843-2916 will get you a

Ain't that swift?

to TM 11-5840-208-20P. The new, clear coating is being added

cleaning compound FSN 6810-664-0273. Get it really dry, and put on I coat of the compound with a paint the radome with soap and water or Before you apply the silicone, clean

more often if your location requires it 3 months in moderate climates . . . and (like long rainy scasons, etc.). Clean and re-coat the radome every



em from binding.

L 11 ė

Dear Half-Mast, sections. Could you get the word out about the right slick-em to use on antennas to keep There's a hang-up FSN-wise on the silicone compound to use for threads on antenna

SFC L.H.B.

Dear Sergeant L. H. B.,

tube of silicone grease, FSN 9150-257ommended by the head shed, is an 8-oz Sure thing. The current favorite, rec-

to disturb the conducting surface of the tor. Therefore, apply it lightly so's not on the male threads. antenna sections. Just a dab'll do it . . . It won't corrode and is a non-conduc-

tacts. But use the other stuff on the out, etc. Keep it off the electrical conbest bet to keep O-rings in place, water 6850-880-7616, (8-oz tube) is still the Insulating silicone compound, FSN



8

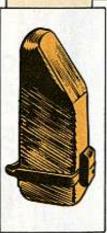
TA-1/PT TELEPHONE SET

can take good care of you provided you take good care of it. YOUR TA-1/PT field relephone set



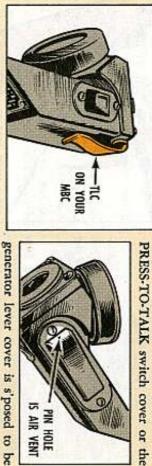
Here's how:

or bang. rugged, but it can be busted by a drop That hard plastic case for the TA-1 is



cold weather when the case gets brittle. So-o-o-o, gentle-hand it, especially in

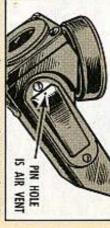
stay good long if you force it over a tree About that metal belt clip, it won't



supposed to fit. thing else that's thicker than the belt it's branch, thick cord or wire - or any-

A replacement clip has to be canni- They keep out dust and moisture.

stock number. balized or made by support. There's no That pin-sized hole in the end of the



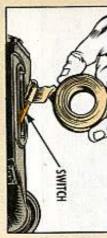
there. It's an air vent. generator lever cover is s'posed to be

through by repeated finger pressure. These rubber covers can be worn



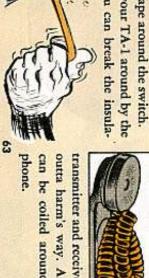
TESTING ... 1...2...3... TA-1/PT ... TESTING.

even adhesive tape, to make a cushion between the cover and the P-T-T switch Use electrical tape, plastic tape, or



Just wind the tape around the switch.

curly-cord. You can break the insula-Never haul your TA-1 around by the



phone connection point. tion or mangle the wiring near the tele-

down-timed TA-1 when the only trougung-ho. No use loadin' support with a microphone and earphone elements are or not actin' at all . . . make sure the ble is an element you can replace. If your telephone's not actin' right . . .

Both elements are in the -20P man-

Without 'em, moisture, dirt and dust Treat the moisture shields right.



can put your TA on shop-time.

shield. All that protects it is your care. Be especially careful with the mike



lotsa things can puncture it. A pen, pencil, paper clip, finger . .

the cord and connector between the When you want to case the TA-1, put



can be coiled around the top of the outta harm's way. Any left-over cord transmitter and receiver. This'll get 'em



FOR CY CREWS AND PROPERTY CONTRACTOR CY CREWS AND PROPERTY CONTRACTOR CONTRAC

WEX SWEE ENW

NASK CARE

Combat vehicle and aircraft crewmen — this chemical-biological mask inspection check-list is for you.

CONNIE - YOU'RE

It covers the M14A2, M25 and M25A1 tank masks, and the M24 aircraft mask. Except for minor changes in design, different microphone assemblies, and a change or so in their components and accessories, the masks are practically one and the same—so the scoop applies across-the-board. Where the difference shows up the specific mask is called out.



The tank masks operate on their own canisters (in or out of the carrier), or they can be hooked into a vehicle's gas particulate filter unit. The aircraft mask works on its own canister (in or out of the carrier), and it can be hooked into the aircraft's oxygen system, or into a bailout oxygen bottle.

Before you close in on your mask, whichever one you use, here are some special PM pointers that'll save you'a lot of sweat—

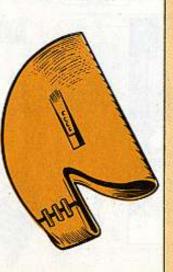
Never store a wet mask in its carrier, and make sure the carrier is dry helore you slip the mask inside. And, always place the mask in the carrier with the lens resting against the carrier's flannel lining.



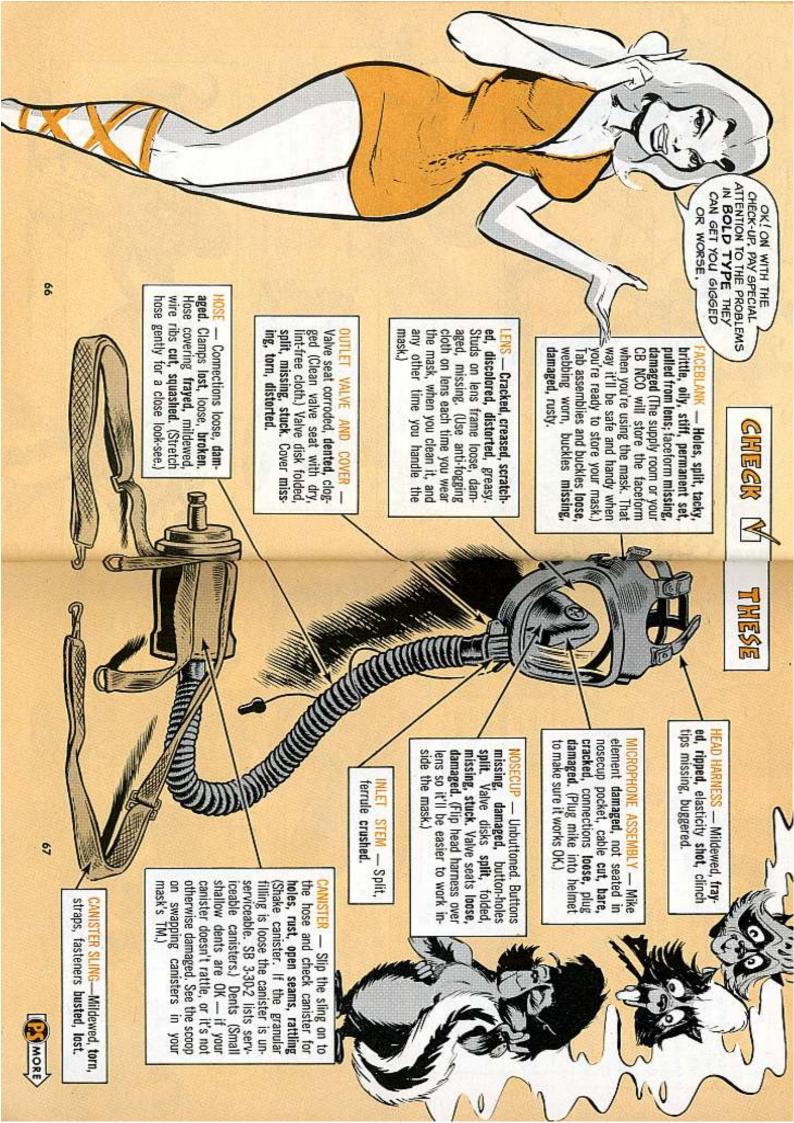


 Never let grime, sand, or grit hang on to your mosk or carrier for any longer than you can help. The stuff'll scratch the lens, clog the valves, and dumage the faceblank, the valve disks, the hose and the canister. First chance you get brush or wipe the stuff off.

 Never store your mask without its fibreboard faceform. If the faceform's missing or damaged use crushed newspaper (or any other soft paper) inside the facepiece, before you store or turn-in the mask. Without the faceform, or some kind of support, the faceblank and the eyelens will be distarted by permanent







M8 OXYGEN SUPPLY ADAPTER (aircraft mask only) — Rubber cup deformed, damaged, oily, greasy. (Keep mask, canister, and adapter clear of all greasy, oily stuff. It can cause an explosion when it mixes with pressurized oxygen.) Connectors and socket damaged, corroded. (When the M8 is attached to a bailout bottle, its straps fasten on to the parachute harness.)





MASK CARRIER — Frayed, torn, ripped. Straps busted, loose. Fasteners, D-ring damaged, missing. Inside — felt lining loose, grimy, pockets, fasteners loose, missing, damaged. Components or accessories missing, damaged.

ANTIFOGGING KIT — Missing, unserviceable. (To check it, clean the lens with the flannel cloth, then blow on the lens. If they fog up, the cloth's done for. Get a new kit, FSN 6850-127-7193.)





ANTIGLARE EYELENS OUTSERT (aircraft mask only) — Scratched, cut, creased. (Replace outsert if it distorts your vision (FSN 4240-961-1062). To remove the antiglare outsert from the mask pull straight out on each snap fastener. If you pull 'em any other way you'll damage the mask's studs. CV crewmen get the antiglare eyelens outsert only when they're authorized the M3 winterization kit.)

ACCESSORIES

You may not be issued all accessories for the masks. But, whatever accessories you get, give them the same close check you give your mask. The items line up like so:

ITEM	TANK MASKS	AIRCRAFT MASK
Optical inserts (For those who wear specs. See AR 40-3)	X	x
M3 Winterization Kit	x	X
M7 Protective Hood		X
A5 Protective Hood	x	
A13 Decon and Reimpregnating Kit	X	x
anister Coupling	x	
M8 Oxygen Supply Adapter		X
wonder WONDER HAT THEY	YOUR YOUR ESSORIES IE SAME TLC.	
ht. And, make sure none of the stuff owds the facepiece.	YOUR ESSORIES IE SAME	

Your outfit sets up its own code system for identifying individual masks. The code can be made up of letters and/ or numbers, or whatever, just so it doesn't identify the unit . . . and, it's different from the mask codes used by the neighboring outfits. The date the mask is tested and fitted can be added to the code.

Use tags or removeable tape to mark the masks and the carriers. Ink, grease pencil, etc. are taboo markers.



MASK STORAGE

Careful handling and safe storage can add up to about half of your mask PM chores—and will also help to keep the mask serviceable for as long as you need it. So stick to the handling and



storage scoop in your mask's TM. First and foremost, always remember to replace the faceform (or use crushed paper) when you're not using the mask, when you're storing it, or turning it in for repair or replacement.

When you've used the mask without the carrier, return the mask to the carrier careful-like. For example:

Wrap the straps even-like around the canister and fasten the strap's snap-hooks to their D-rings. Place the canister in the carrier so the canister coupling connector extends through the opening in the back of the carrier. Turn the canister so the hooks and D-rings will be away from your body when you wear the carrier. Fasten the flaps on the bottom of the carrier around the hose.

Nest the head harness, mike cable, and the middle section of the hose into the facepiece. Remember to head the lens into the flannel lining. Supply room note—If the masks are kept in the permanent shipping containers, it's a good idea to list the mask codes on the separate storage compartments. If containers aren't handy, hang the masks by the carrier straps or D-ring. And, find a dark, cool, dry place for 'em.

MASK CLEANING

To give the mask a good cleaning use a clean, lint-free cloth (FSN 8305-222-2423), warm, soapy water and a soft brush (a small paint brush will do)

Wring the cloth out practical—
With the divided and wine the facepiece

Wring the cloth out practically dry and wipe the facepiece real good inside and out. While you're cleaning, be sure to keep the canister sitting up high and hold the mask upside down, so's you'll not accidentally get water in the canister or in the hose. And, be sure to keep water off the mike element.



With the dry brush, clean around the mike element, nosecup valves, around the nosecup, etc. Take care you don't tear or brush off the nosecup valve disks.



Rinse the facepiece with a cloth wrung out in clear water. Dry it with a soft, lint-free cloth, or let it air dry. Never use paper.



Clean the lens with Plastic Polish, FSN 7930-634-5340, and use the antifogging cloth on it.

Brush or wipe off the hose the canister and the canister sling.

And, remember — in between regular clean-ups, make sure there's no grit or sand on the mask or the carrier.

	PUBS CHECK
M14A2 and M25	TM 3-4240-223-14 (Feb 70), and TM -25P (Jun 62).
M25A1	TM 3-4240-255-14 (Feb 71).
M24	TM 3-4240-219-14 (Sep 70).
433	CD 2 20 2 (New 70) Protection Week Confedent and Eller Howards

HEAVY EQUIPMENT OPERATOR . . . THIS TURBO GAME

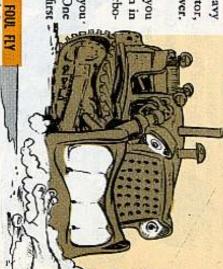
IS FOR REAL

YER OUTT

You're team manager. or D7E or D9 or HD-41 or whatever. Equipment Operator . . . 290M tractor, It's your ball game, Mr. Heavy

gotta get hits - and the leadoff man in this heavy-stuff game is your turbo-Like for any 9 or 19 innings, you

could make to ruin your ball game. One of 'em could hack you right on the first -But there're 4 kinds of miscues you of Inning No. 1-



will take right off into high RPM. But gine right after you start, your turbo bearings. it takes 1 to 13/4 minutes to get oil from your crankcase pump to your turbo's GUNNING-If you rev up your en

CAUGHT OFF BASE

down, seconds without lube, and bearings melt Result: That turbo overheats in a few

RPM for the first 2 to 5 minutes. Cure: Keep speed down to idling



SQUEEZE AT SECOND

Stuck shut, it forces carbon and grit open, missing, or broken, it lets in grit and rain. right back thru the turbo cage. Stuck BUM EXHAUST BUTTERFLY RAIN CAP -

cut away like tiny missiles, tearing your turbo apart. accelerated to hundreds of miles an hour Result: Particles of dirt and water

exhaust stack hole with a can when good shape. If it's missing, cover the you stop. Cure: Keep that rain cap cover in

3

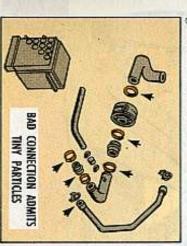




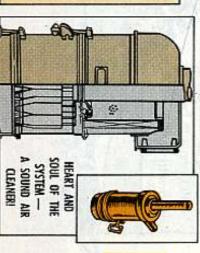
LEAKY OR DIRTY AIR SYSTEM - Filter

grit enter. or cores left uncleaned or damaged let or missing ducts and gaskets, dust cups cores with holes in their shells, misfitted

out of existence, and eventually the engine ruined as well. Result: Turbocharger sand-blasted



engine get plenty of grit-free breathing ball strategy as given in TM 5-2410. comes easy if you get with such on-the-... that and good cleanup hitting. Fig 3-7, or TM 5-3805-201-15, page 60 214-12, page 3-2, TM 5-2420-206-12, Cure: An air cleaner that lets your



SUDDEN, QUICK SHUTDOWN — You come rolling in home, but you'll be called out for missing 3rd base if you just brake to a stop and chop the throttle and kill the engine, kerbam. Turbos turn faster than 70,000 RPM lots of times . . . and from that speed, it takes 4 to 6 minutes to stop. During those minutes, bearings must have oil. But with your engine dead, they get not a drop. Besides, that exhaust-driven turbo cage gets H O T!!!

Without oil for either lube or cooling, blades flake off, bearings seize, shafts break . . . and there you are outside the base line on your face.

Cure: Run at idle before shutting down engine even longer than you did to start up. That'll do the rest of your engine a favor, too. It'll cool off even-like then, valves will warp less, rings will wear longer, and cylinder heads won't warp.



NOTHING SAID MEANS SOMETHING

Dear Half-Mast,

Do we run or stop our HD16M tractor's engine when checking the steering clutch and bevel gear oil level? TM 5-2410-209-12 and LO 5-2410-209-12-2 are not too clear on this point.

MSG D. W. S.





Dear Sergeant D. W. S.,

Normally, when a TM, LO or a dipstick itself does not spell out how an oil level check is to be made you can assume that the check is made with the equipment engine not running. Since no specific instructions are given on the HD16M's steering clutch and bevel gear oil check, the right way to do it is with the engine stopped.

CANCEL.

CANCEL

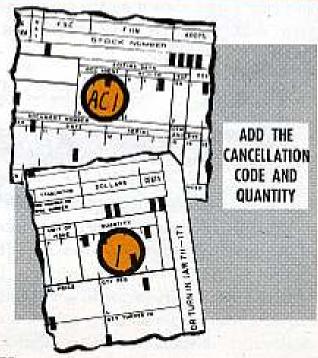
CANCEL.

Call out loud, clear and fast.

If you no longer need it, tell your supply support . . . like RIGHT NOW.

If you keep requests alive for supplies you no longer need, you—burn up \$\$\$\$\$ in supplies, shipping costs, man-hours and deadline time. You short-change others who really need 'em.

Canceling is easy. Just add cancellation code (AC1) to your supply status card (block D), fill in block 8, and shoot the card in to supply support. Para 4-8c, AR 735-35 covers scoop on canceling requests.





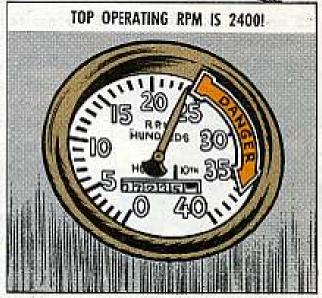
Know what's good for you and your M320T 20-ton truck-mounted crane. Never overspeed the carrier engine.

Top operating (load) RPM is 2400. Go above that and you're in trouble. No-load, the maximum is 2600 RPM.

One tell-tale sign that the governed RPM has been exceeded is a busted distributor rotor.

'Course, it's better all around when a \$1 rotor takes the brunt of it all rather than blowing a costly engine—or your skin. But, why take chances?

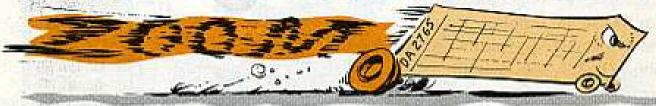
Keep an eye on the tachometer and the speedometer at all times. Watch 'em when you're going down a steep grade. Never exceed the MPH and the matching gear range shown on the transmission data plate on your instrument panel.



To help you remember, put a red danger arrow decal on your tachometer glass, if there's none there. Start it at that operating maximum, the 2400 mark. And stay out of the danger zone.

You get the decal with FSN 7690-924-4318.

SPEED-UP CODE



When your outfit's assigned a project code, such as PCC for designated STRAF units, make sure your DA Form 2765 (block 19, cols 57-59) shows the code if it applies to the items you're ordering. Project code PCC is used by designated STRAF units on requests to fill mission-essential equipment shortages and on requests for components, repair parts or other supplies required to return non deployable, mission-essential equipment to deployable status.

Property-book types—have you checked Appendix F in SB 700-20? It's a new feature geared to save you loads of LIN checking time in your property book

operation.

The appendix sums up the latest additions, deletions and changes in the SB's Chapters 2, 4, 5, 6 and 7. And, incidentally, in App F, change simply means that the LIN has swapped chapters since the last SB.

App F uses only 3 column headings: LIN, Action (taken on the LIN), and Chapter.

The chapter
column identifies
the chapter where
the LIN was
added, or the chapter from which
the LIN was
deleted, or the
chapter where the
LIN is currently

1

SB 700-20

HECK VIST

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SB 700-20

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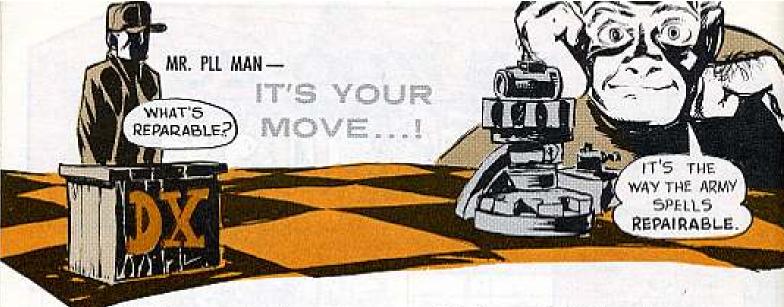
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77

listed-when the action column reads change.

K

H71201



Remember—you're the moving power behind your DX (Direct Exchange), on-the-spot supply system.

Only your dedication to fast, 100 per cent return of reparable items to your DSU (direct support unit), can guarantee immediate supply for your future DX needs.

If you hold DX reparables until you collect a truck load for your DSU, you-

- Create false shortages and other serious stockage problems for your DSU.
- Jam up the DX maintenance shop with jobs that should've been flowing in at a steady rate. And, you cause supply emergencies and work scheduling flaps for 'em, too.
- 3. Kill time, waste money and manpower for your shop.
- 4. Extend your equipment's downtime.
- Damage or completely ruin reparables hoarded at your shop.

All this increases the chances that the DX bins will be bare next time you need fast help.

So when you dash off to your DSU with a DA Form 2402 (Exchange Tag) in hand, take time to carry the reparable item with you. And, remember to package reparables carefully as you move 'em to DSU.

Nothing less than careful, 100 per cent return of reparables to your DSU can provide 100 per cent immediate return of supplies to you.



This is a selected fist of recent puls of inferent to organizational maintenance personnel. This fist is compiled from recent AG Distribution Centers Bulletins. For complete details use DA Pam 310-4 (Jun 70), and Ch 4 (Feb 71), TM's, TB's, etc; DA Pam 310-6 (Jul 70), and Ch 3 (Apr 71), SC's and SM's; DA Pam 310-9 (May 69), COMSEC Pubs.

TECHNICAL MANUALS

TM 1-CH47-5 C7, Apr, CH-47A, B, C TM 3-1040-219 C3, Apr. M4A7 Tik Mtd Flame Threwer TM 3-4240-255-14, Feb, Mask, CBR, Tonk M25A1 TM 5-337-1, Mar, Drier-Mixer, Biteminous TM 5-2420-221-24, Mer. M480CK TM 5-2805-203-14 CI & -24P C2, Apr. Eng. Gos. 6 HP, MS TM 5-2805-257-24P CZ, Apr. Engines 1 ½-3 HP, MS TM 3-2805-259-24P C2, Apr, MS 10-20 HP Gas Enginer TM 5-3431-228-14 C1, Apr. Welding TM 5-3610-246-24P, Mor, Poper TM 5-3805-237-12 C4, May, Grader 440HA TM 5-4110-227-24P, Mar, 10,000 BTU Refrig Unit TM 5-4120-222-14 CT & -24P CT. May, 18,000 BTU Air Cond TM 3-4210-213-12 CI; Mor, Trucks Fire Fighting MOL45AZWLF TM 5-4310-219-20P, Mor. 600 CFM Air Compressors TM 5-4310-229-20P C1, Apr. 250 CFM Air Compres TM 5-4310-250-20P C1, Apr. 250 CFM Air Compres TM 5-4320-251-14, Mor, 100 GPM Fresh Water Pumps TM 5-4440-211-13, Mar. **Dehumidifiers** TM 5-4520-227-14 C3, Apr. 60,000 BTU Space Healers TM 3-4610-202-20P, Mar, Water Paris TM 5-4930-212-15 C2 A -25P C1. Apr. Petrol Dist TM 5-6115-942-20P C2, Apr. 150 KW & Up Can Sat TM 5-6615-292-25P C2, Apr. 150 KW and Up Eng Dren Gen Sels TM 5-6115-321-15 CJ, Mar, 30 KW, 60 Cyc ID Gen Sels TM 5-6675-296-12 C1, Apr.

Surveying Equip

TM 11-1520-214-20P, Apr, OH-6 TM 11-5092 C5, May, R-394/U Radio Receiver TM 11-5805-367-25P/3-1, Mor. Multiplexer TD-352/U TM 11-5810-222-ESG, Apr. TSEC/ KG-13, TSEC/KG-13A TM 11-5810-225-ESC, Mar, TSEC/KY-3 & TSEC/KY-DA TM 11-5810-231-ESC, Apr. TSEC/ HN-9A TM 11-5820-477-20P, Mar, AN GRA-39 TM 11-5820-595-12, Feb, Radio Set AN/GRC-143 TM 11-5821-260-20 C3, Mar, OH-58 TM 11-5985-335-15, Mor, AN/ GRC-66, -68 & -144 Redio Sels TM 11-6625-333-15, Mar, AN/ GRC-26 A -41 TM 11-6625-2450-13, Feb, PP-6239/U TM 55-450-3 C2, Mar, UH-1 TH 55-1100-213-12-12, Mar. CH-47A. CH-34, CH-54A & UH-1 TM 55-1510-201-10/5 C5, Apr., U-B TM 55-1510-201-20P-1 C3, Apr. U-8 TM 55-1510-203-PMP, Mar, U-8 TM 55-1510-203-10 C1, May, U-6 TM 55-1510-204-20PMD/1 C1 & -20PMI/1 C1, Mar, OY-10

LUBRICATION ORDERS

LO 5-2410-209-12-1 & -2, Mar, HD16M Tractor LO 5-3810-206-12-1, Mar, Crane-Shovels, Crawlers, 40 Ton LO 5-3810-206-12-2, 12-3, 12-4 & 12-5, Mar, Crane Shavels, Crawlers, 40 Ton LO 10-3930-620-12, Mar 6,000 Lb Elec Forki

MODIFICATION WORK ORDERS

9-1090-203-30/2, May, Armoment Subrys, Helicopter 9-1430-501-30/67 C1, Apr. Hawk 9-1430-512-30/14, Apr. Hawk, 9-1430-516-30/1, Apr. Hawk, AN/MSW-9 9-2320-218-30/7, Feb, M151A2 Tips Chain

9-2350-217-30/22, Apr. 105-MM M108 SP Howitzer 9-2350-217-30/27, Apr. 155-MM SP Howitzer Mount M127 9-2520-249-30/1, Apr. M551 11-5821-259-40/1 C1, May, OH-6A 55-1500-210-20/1 C1, May, CH-47A, B, C 55-1510-201-20/1 C2, Apr. U-8 55-1510-201-30/5 C3 4 -40/2 C2, May, U.S. 55-1510-205-30/6 C3 & C4, May, U-1 55-1520-209-30/48 C2, Apr., CH-47A 55-1520-219-30/1 C2, Apr., UH-1A, 55-1520-221-30/6 C3, May, AH-1G 55-1520-227-30/19 C1, May, CH-47B: C 55-1615-248-20/1 C1, Moy, CH-54A 55-2840-231-30/3, Apr. OH-58 55-2840-232-20/1 CT, Apr. U-21

TECHNICAL BULLETINS

TB 9-2300-295-15/3, May, Vehicle Deliciencies During Worranty Periods MBD9-Series 5-Ton Truck TB 9-2300-295- 15/4, Apr. ENDT 673 Mack Diesel Eng Warranty TB 10-4500-200-13, Mar. Space TB 9-4931-333-14, Mor, 20-MM XM 163 Gun TB 9-4931-339-14, Mar. 20-MM EM163 Gen TB 55-1500-210-20/17 C1 & -20/18. May, CH-47A, 8, C TB 55-1500-325-25, Mor, AF & RW TB 55-1520-214-20/39, May, OH-6 TR 55-1520-227-20/13, May, CH-478, C TB 55-1520-228-20/4, May, OH-58 TB 750-99-15, May, All FARW

MISCELLANEOUS

DA Cir 310-8, Jan, Technical and Supply Bulletin SB 55-35, Apr. All F&RW SB 700-50, Mar. Expendable Items SB 742-1425-92-001, Apr. Redeye

MWO of the MONTH

MWO 9-2300-391-40 (Mar 70) is its name, and beefing up auxiliary drives is its game. Your GSU will hang this MWO on all M107 SP guns (serial numbers 1 to 505), M110 SP howitzers (1 to 870) and all M578 light recovery vehicles (1 to 1300). It turns your auxiliary drive into a heavy duty item with improved lubrication and gives you a better fighting vehicle.



Report Em All

Usage reports on DA Form 2408-7 must include all named items in Appendix C of TM 38-750 with a Q or S in the "Use Data" column — whether the specific model is listed or not. Note that para 2a of the appendix calls for reports on "all corresponding makes and models."

Got Aid From MASS

Assistance is emphasized and gigs are gone with the wind in the Maintenance Assistance and Instruction Team (MAIT) program just laid out in detail in AR 750-51 (Apr 71). Teams will make no ratings and no surprise visits, but will offer help thru local commands. This AR supersedes AR 750-8 (the CMMI AR) and DA Msg DCSLOG/MED 281538Z Dec 70.

Use The RPSTL

Your own RPSTL (Repair Parts and Special Tools List) TM is your authority to request an item listed on the Army Master Data File (AMDF). So your supply support should ignore the maintenance code (position 27 of the item identification record) on the AMDF and on the AMDF selected management data microfilm lists. This code will be dropped from future AMDF lists.

Weapons ESR Shift

Lay it on target! For submission of EIR and classified forms for tanks with 76, 90, 105 and 152-MM guns, for SP guns and howitzers and for combat engineer and armored assault vehicles, mark this shift of ECC's FA, FB, FC, GA, GD, GG and GM to the U.S. Army Weapons Command address in Appendix B of TM 38-750 (delete 'em from the USATACOM list). Note also that primary category D in the appendix includes secondary categories A thru G and X — not just A, G, X. Word went out in USAMC Msg AMCMA-SI R201801Z May 71.

That Missing?

When you order the battery holddown hook balt-with-nut, FSN 5306-739-7754, for your 2½-ton truck, you may get FSN 5306-753-9501 — just the hook balt alone, no nut. If so, you can get the right nut under either FSN 5310-043-1904 or FSN 5310-021-3549. (Routing Identifier Code is S91.)

Zap Pollution

Kill — or at least cut — the pollutants your rig's engine exhaust pours into the air you breathe. Most of this pollution results from fuel, air or electrical malfunctions that can be cured by adjustments as spelled out in TB 9-2300-402-10 (Feb 71). Read and heed — for cleaner air.

Generator 9D Plate

DO I FILL OUT A DD 518?

Some time ago TB 750-971-4 (Oct 70) and PS 216 told about assigning new FSN's and model numbers to your 0.5 through 10-KW mil design generators and stamping them on a new data plate. Fine — but the FSN given for the new ID plate was a fink, FSN 9905-577-4219 will get the cool one.

Blue Is Back

Blue ink is back "in" for making entries on equipment records and other TAMMS forms, even though it's not listed in para 1-7a(2) of TM 38-750. That's mainly because it's more readily available than other inks.

Rules On Repair Limits

If you're called on to do a repair eligibility inspection (Repair Eligibility Data Sheet, DA 3590 — for MECOM items — or Vehicle Classification Inspection, DA 461-5), get your mitts on TB 750-97-01 (Jan 71). It has rules for use of both forms with sample fill.

M. 9G Welders

Steel wire is a No-No for MIG welding. It'll domage the MIG gun's feeding mechanism. Use only the 3/64-in aluminum wire, FSN 3439-775-6476, which comes in a 1-lb spool. It's called out in your set's parts list, and in SC 3439-IL (Sep 69).

Moving?

If you're moving and need supplies for packaging, preserving, packing and marking, then SB 38-100 (Jul 70) is your baby. It has just about anything you'd need . . . along with information about what the items are used for.

The Why And How Of It

Need to know why and how you got the equipment assigned to your unit? Then bone up an equipment authorization policies and common tables of allowances (CTA) you'll find in the new AR 310-34 (Jun 70). Its appendix B covers items by LIN — from A to Z.

M13 Decon Kit

For scoop on the care and use of the M13 decon and reimpregnating kit, FSN 4230-907-4828, you now have a training film, TF 3-4193. The nearest audiovisual communication center can get it for you.

Safer Snook Seat Belts

Slim-jim type CH-47 troop commanders will stay put with the new 2-point adjustable safety belt, FSN 1680-447. 9504. That old safety belt just couldn't be adjusted short enough. Get one in your bird . . . soonest!

Would You Stake Your Life Won



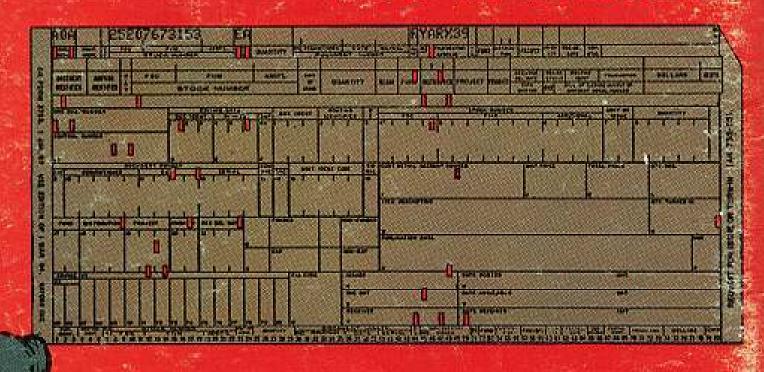
PLL TYPES:

Use Your DA Form 2765
Preprinted/Prepunched
Requests...

...and

- CUT DOWN ON YOUR WORK
- PREVENT ERRORS
- SPEED UP SUPPLY

THEY'RE VALUABLE





PROTECT 'EM! USE EM