

SHOWDOWN TIME . . . IT'S EITHER LASOR

If you're sittin' astride your unit's preventive maintenance problems like a bronc buster on a carousel pony, you're riding high, wide and handsome! Congratulations! A rhinestone cowboy you're not and we'd like for you to

give us a call. RIGHT ON! MAYBE PS CAN AUTOVON SPREAD SOME OF OUR SECRETS 745-3503 AROUND.

But, if your unit's readiness posture is sorta slumped . . . and you don't feel tall and firm in the saddle . . . and your mount trots your eyeballs out when you want it to canter . . . then don't call us—call MAIT!

You need not feel bashful, quilty or put down about asking for assistance. Gary Cooper would never have made it past High Noon without a little help on the side. It's no reflection on your leadership. ingenuity or ability to ride herd on your own problems.

It's more a reflection of your desire to make sure you're utilizing all the tools at your command to make sure your outfit can cut the mustard.

Just think of it this way:

Nobody's ever going to ask you why you requested a visit from the Maintenance Assistance and Instruction Team.

But the time may come sure and sudden when some honchos might ask you why you didn't. MAIT

So, if you've got it made in the shade with a downhill pull, give us a call. You may make the PM Hall of



But if you're not so fortunate, call





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ISSUE No. 291 February 1977

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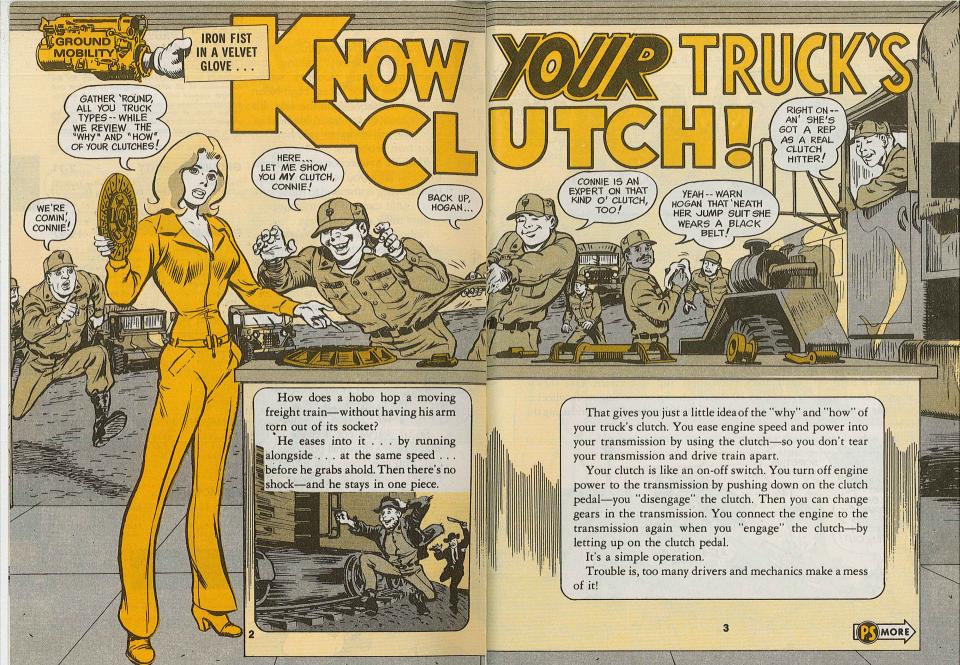
AIR MOBILITY

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S wants your ideas and contrib tions and is glad to answer you guestions. Name and address are MSG Half-Mast PS Magazine Lexington, KY

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Drivers tear up clutch disks and bust drive shaft U-joints when they "pop" the clutch—they let up too fast on the clutch pedal.

A COUPLE MORE POPS
LIKE THAT
AN' I'M HEADIN'
FOR A CLUTCH
N' U-JOINT
JOB!

Drivers ruin clutch throwout bearings by "riding" the clutch. They use the clutch pedal for a footrest. This's like starting to disengage the clutch. It makes the throwout bearing spin. It's not built to spin all of the time—only for the few seconds you need to disengage and engage the clutch.



Drivers burn up clutch disks when they "slip" the clutch. Like they're stopped on an upgrade, and they let the clutch slip on the engine flywheel to keep the truck from rolling back—instead of shifting into neutral and using the brakes.





Sure, your clutch is tough. All of that engine power goes through the clutch to the rest of the drive train—transmission, drive shaft, axles and wheels—to move tons of truck and payload—up hills—through mud.

But your clutch has its soft side—not as soft as velvet but not near as hard as steel. That's the "facing" on the steel clutch disk.

When the clutch is engaged, heavy springs press the clutch disk against the

HERE'S A TYPICAL CLUTCH SETUP...

FLYWHEEL: Your flywheel is bolted to the engine crank-shaft—so the flywheel turns at engine speed.

PILOT BEARING: The small end of the transmission input shaft rides in the flywheel pilot bearing.

CLUTCH DISK: The clutch disk moves ahead to the flywheel and backs away from the flywheel—by sliding on the splined part of the transmission input shaft. There's "facing" on both sides of this clutch disk. This facing wears down in normal operation as it gets rubbed between the steel flywheel and steel pressure plate.

engine flywheel. The facing on the clutch disk "clutches" the flywheel. So the flywheel turns the clutch disk—and the clutch disk turns the shaft going into the transmission.

Let's face it—the clutch disk facing makes your clutch the weakest link in your truck's power train. Even if you treat your clutch right, the facing will steadily wear out from on-off contact with the engine flywheel.

... IT SHOWS HOW POWER GETS FROM YOUR ENGINE TO YOUR TRANSMISSION ..

...AND HOW YOU TURN THAT POWER ON 'N' OFF!!

RELEASE LEVERS: Powerful springs push the inner ends of the release levers back—so the outer ends of the release levers are forced forward. The levers push the pressure plate forward—toward the engine flywheel. This squeezes the clutch disk between the pressure plate and flywheel. And this makes the clutch disk turn the transmission input shaft.

RELEASE FORK: Your clutch pedal is hooked up to the release fork by "linkage". When you press hard on the clutch pedal, you press the throwout bearing against the release levers. This pulls the pressure plate back—and takes the squeeze off the clutch disk. So the clutch disk quits turning the transmission input shaft.

THROWOUT

TRANSMISSION INPUT SHAFT

The throwout bearing rides free on the big smooth part of the transmission input shaft—until you put it to work. Then it moves forward to the release levers—and starts spinning as soon as it touches the release levers.

PRESSURE PLATE ASSEMBLY: This is bolted to the flywheel. It turns all the time your engine is running.



BEARING:



WEAR CHANGES

Your clutch pedal goes down real gets harder to push.

That first part is "free travel." You're only moving the clutch throwout bearing toward the clutch release levers. As soon as the bearing touches the levers, the bearing starts spinning. Then, when you push the pedal harder, you're disengaging the clutch from the engine flywheel.

down, the release levers move back easy when you start pushing it. Then it toward the throwout bearing. This shortens the clutch pedal free travel the bearing doesn't have so far to go to reach the release levers.

> If you don't keep the right free travel, the release levers will get back to the bearing ... and keep it spinning ... and wear it out.

Worse, you get weaker pressure on the clutch disk. It'll slip on the As the clutch disk facing wears flywheel. This makes heat—so much

BEYOND OUTER

Never try to stretch your clutch linkage adjustment. The right limit is built in. When you reach that limit, the clutch disk facing is worn down to its safe limit. If you go beyond the limit, the clutch disk rivets—and then the steel disk will rub the flysheel. That's when big trouble comes!

Some mechanics think it's cute to cut off the end of the 2½-ton truck's clutch adjusting rod—to stretch the limit for free-travel adjustment. That trick backfires when the truck has to come back for a new clutch pressure plate-and maybe a new engine flywheel.

HERE'S THE RIGHT WAY TO MEASURE THE ADJUSTING ROD'S LENGTH ...

CONTROL ROD NEEDS ADJUSTING WHEN FREE TRAVEL IS TOO SHORT. THIS **PULLS RELEASE** FORK AND BEARING **BACK FROM RELEASE** LEVERS. THEN THERE'S MORE FREE TRAVEL.

"FREE TRAVEL"

heat that the clutch disk and pressure NEEDS ADJUSTING! plate and even the flywheel can crack.

That's why you mechanics have to check clutch pedal free travel at every semi-annual PM service. It's easy. It's quick.

Use a ruler—long enough to reach from the floor to the clutch pedal. Push the clutch pedal down with your hand. Measure the easy part—the free the linkage. travel. If free travel is less than what

NOT ENOUGH FREE TRAVEL?

LINKAGE AND HOW

IT ACTIVATES THE

SYSTEM WHEN

YOU DEPRESS

THE CLUTCH

PEDAL!

This lets the throwout bearing back your truck's TM calls for, you adjust away a little from the release levers.

LIMIT- DISASTER!



HERE'S A HANDY
CHECK LIST
SHOWING THE
CLUTCH PEDAL
FREE TRAYEL
MEASUREMENT
FOR YOUR TRUCK-AND WHERE TO
FIND THE
INSTRUCTIONS
FOR LINKAGE
ADJUSTMENT...

WHAT 'N' WHERE

M151A2 and other TM-218-series ¼-ton vehicles—1½ to 1½ inches—page 9, para 2-4lb, Ch 4 (Dec 75), TM 9-2320-218-20.

M37B1 and other TM-212-series ¾-ton vehicles—1 inch—page 2-151, para 2-137, TM 9-2320-212-20 (Nov 73).

M715 and other TM-244-series 1¼-ton vehicles—¾ to 1 inch—page 50, para 2-31, TM 9-2320-244-20 (Aug 71).

M561 and M792 Gama Goats (1¹/₄-ton TM-242-series)—³/₄ to 1¹/₈ inches (new info, coming up in TM change or revision)—page 2-115, para 2-44d, TM 9-2320-242-20 (Aug 70).

M35A2 and other TM-209-series 2½-ton vehicles—1½ to 2 inches—page 261, para 150a, TM 9-2320-209-20 (Apr 65).

M54A2 and other TM-211-series 5-ton vehicles—2 to 2½ inches (new info. coming up in TM change or revision)—page 2-80, para 2-49, TM 9-2320-211-20 (Jun 73).

M813 and other TM-260-series 5-ton vehicles—2 to 2½ inches (new info coming up in TM change or revision)—page 2-174, para 2-40b, TM 9-2320-260-20 (Jul 72).

M123A1C and other TM-206-series 10-ton vehicles—1 to 2 inches—page 2-60, para 2-50, TM 9-2320-206-20 (Oct 71).

CAREFUL WHEN
YOU'RE ADJUSTING
FOR CLUTCH PEDAL
FREE TRAVEL. IF
YOU GET TOO MUCH
YOU WON'T BE ABLE
TO DISENGAGE THE
CLUTCH--THE GEARS
WILL CLASH WHEN
YOU TRY TO SHIFT
YOU'R
TRANSMISSION!



TM-218-SERIES 1/4-TON TRUCK . . .

CURE LEAK—KILL DIFFERENTIAL

Keep a sharp eye out when you're replacing differential seals on your M151A2 or other TM-218-series ½-ton vehicle. You can lose that little lock that keeps the bearing adjustment nut in the right position.

You lose more than you gain when your seal job causes the bearing to go to pot. If the lock falls out, the adjusting nut can turn—and then the bearing's not long for this world.

LOOKIN' FER THIS? HEY, GREAT! YOU FOUND TH' LOCK

Make sure that lock's in place—like it says in TM 9-2320-218-20 (Sep 71), Ch 4, page 12, para 2-136a(2), Note.

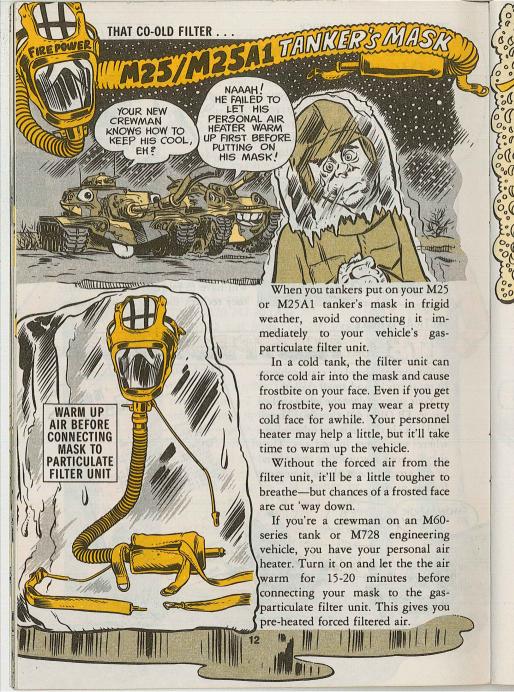
If the lock's missing, your support will have to put in a new one—after they recheck the bearing adjustment.

Now you can head off rust problems in most trucks and small trailers.

Your support does the job as spelled out in TB ORD 401 (Jun 76). They'll drill holes in channels and other places where water gets in and sits. Then they'll shoot rustproofing compound in and around these places to prevent further rusting.

Wow! Look WHERE'S THAT NEW TB??

10





Baby the electrical connectors in the turret and cupola of your combat vehicle—that way they'll stay in shape to take extra good care of you.

Some connectors are hard to see and reach, but take your time and feather-finger 'em together.

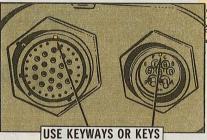
That means you mate those bayonet or threaded connectors very carefully ... with feel, finesse and delicacy.

Both the threaded and bayonet types of connectors have a key or keyway for location and alinement of the mating parts.

When you've got the keys lined up, they slide right into place. However, if you rely on force to make up for misalinement of keys, you'll get bent, broken or shorted connections.

With either type of connector: Gently match up the alinement keys. Then, tighten the locking collar or sleeve to complete the connection.

If the connecting box assembly, consideration module or part is mounted on the 2 connections.



TO MATE CONNECTORS

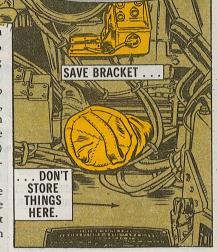
slant, take this oblique mounting into consideration when you match up your 2 connections.



Storing the ballistics covers from the 7-round ammo vertical rack on top of the 8-round rack is a real Nothing idea.

Sure, it makes a nice flat place to pile the covers (or helmets, C-rations, etc.) But, when you elevate the main gun, the mounting bracket for the closed breech scavenge system (CBSS) on the breech mechanism gets damag-

Stow the ballistics covers from the 7-round ammo vertical rack in the space left by the removed round. That way you can elevate the main gun without any problem.

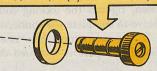


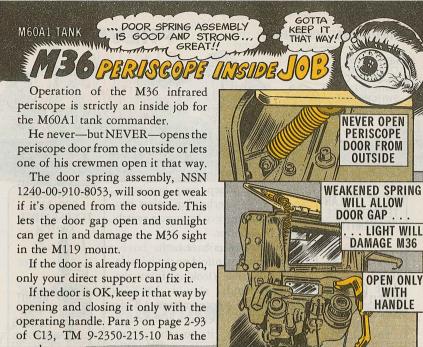


The boresight adjusting screw on the receiver-transmitter of your laser rangefinder is not doing a good job.

It's screw, socket head, (P/N 10548096), Item 28 on page 2-237 of C2 (Jul 75) to TM 9-2350-232-20P (Feb 73).

Get your turret mechanic to put in the improved socket head screw, NSN 1240-00-591-0692 (P/N 11733671).





word.



OPEN ONLY

WITH HANDLE

When you use TM 9-2300-378-20P/2-2 (Feb 70) to get a steel rivet to repair the manual traverse drive linkage, rivet NSN 5320-00-959-6249 (96906-MS20613-8P24) is what they'll send you.

This rivet is too big—1/4-in diameter by 11/2 inches long.

What you need is a steel rivet ⁷/₃₂-in by 1%-in. This comes as NSN 5320-01-015-8810(102661). Order it by exception data supply request.





ABOUT LIKE PENCIL ACROSS NARROW END

You can't keep your howitzer's engine from overheating unless you know the difference between a switch and a transmitter.

Your howitzers have both.

The water manifold on the left side of the engine (looking from the radiator end) should have a temperature transmitter. This registers the temperature of the water and transmits it to the water temperature gage on the driver's instrument panel.

The water manifold on the right side of the engine (looking from the radiator end) should have a temperature switch. When the engine water temperature reaches 225° F this switch closes the circuit that makes the high temperature warning light come on.

Get your mechanic to help you check them out. Do it when the engine is cold before starting.

(Note: When you pull out a switch or transmitter, engine coolant will spurt out the opening. Put in a replacement right away before you lose it all).

Your mechanic first takes out the unit in the left water manifold. This should be the temperature transmitter. The end in the water will be no bigger around than a pencil.

In the right water manifold is the switch which has an end about half an inch across.



If the transmitter and the switch are in the wrong places, set 'em right. If you have 2 of the same kind, order the one you need.

WOW!

WHAT A DIFFERENCE THANKS, BUDDY!

The transmitter, (narrow end, left side of engine) comes as NSN 6685-00-814-5271 at \$2.74.

The switch, (broad end, right side of engine) is NSN 5930-00-902-0193 and costs \$3.92.

M109/M109A1 HOWITZERS . . .

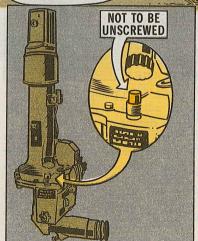
M117 PANORAMIC TELESCOPE

CAN'T FIGGER IT!...
TH' SCOPE LOOKED FINE
WHEN I TOOK IT
APART... WHY DON'T
IT WORK NOW?

HERO!

HEAVEN SAVE US FROM CURIOUS FINGERS LIKE YOURS!

MY PLEASURE!

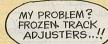


Could be a case of idle hands breeding mischief . . . or maybe just plain ol' curiosity. At any rate, some crewmen are screwing up the telescope by unscrewing it into 2 sections.

Once it has been unscrewed, it won't work right when you screw it back together again.

One of the screws is soldered to a wire that conducts electricity—and this wire breaks when the telescope is unscrewed. Soldering it to the screw is a support operation.

So kindly leave the M117 alone—and uptight!



M551/M551A1 AD

CAN YOUR MECH TYPES GIVE ME SOME RELIEF?

Now run a small diameter wire through both the plug and lube fitting holes and unstop it like you would a caulking gun.



Track adjusters "freezing" in posi-



Once you get the hardened grease loosened, screw the lube fitting back in

Sheridan, but here's what to do about If the adjuster is already "frozen",

screw out the plug, NSN 4730-00-788-5959 (P/N 11635482) and the lube 4730-00-050-4208 fitting, NSN



(MS15003-1). When you do this, make sure you keep all parts of your body out of the way because the grease could squirt out fast enough to hurt you.



and use it to pump grease into the track adjuster until you have soft grease coming out the plug hole.

Screw the plug back in and keep on pumping grease through the lube fitting until you get the track tension vou want.

If this doesn't work, your track adjuster is bad and must be replaced.

Once you get the adjuster "unfrozen" you can keep it in shape by



taking the plug out every time the track needs tensioning. Pump in fresh grease until the grease starts coming out the plug hole. Then you screw the

plug back in and continue pumping grease through the lube fitting until you get the track tension you want.

Some track adjusters will have the lube fitting in the upper hole and the plug in the lower hole, while others will be just the reverse.

Makes no difference which way it is. The track adjuster will work equally



NO! NO! NEVER USE OIL OR GAS .. RUINS THE SEAL A DAB OF GAA IS MUCH BETTER!

Having trouble installing the air filter in the housing on your M551 or M551A1 Sheridan?

WITH PLUG

BACK IN,

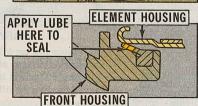
PUMP GREASE **UNTIL TRACK**

TENSION

OIL'N' GAS

A little GAA on the housing seal may help. Never use oil, gasoline or solvent because they'll just ruin the seal.

Like it says on page 2-128 of TM 9-2350-230-20-1 (Feb 75) Fig. 2-42, apply a light coat of GAA to the seal. Not too much because the excess will collect dirt and dust.





Your M202A1 rocket launcher is a real futuristic firestick. But there's nothing spaced out about that 66-MM baby Superstar. No Sir-e-e.

The secret, tho, is to keep that launcher star bright . . . always ready to blaze away.

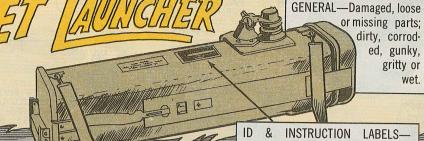
And the way to shine is with a lot of care, a good grip on TM 3-1055-456-12 (Mar 75) with Ch 1 and 2, a bit of preventive maintenance and-for safety—a quick daily before mission service.

WARNING

Never fire an M202A1 launcher that does not have an MWO 3-1055-456-50 (19 Dec 75) label next to the launcher identification label.

BEFORE EACH
MISSION -- BEFORE YOU LIFT
OFF FOR PLACES UNKNOWN --COMPLETE THIS INSPECTION!

FAULTS IN HEAVY TYPE ARE MOST SERIOUS!



& INSTRUCTION LABELS-Obscured, scratched out or missing.

or missing parts: dirty, corrod-

ed, gunky,

gritty or

wet.

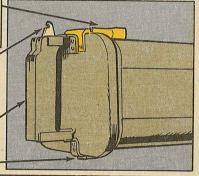
FRONT

COVER LATCH-Bent, broken or missing; gunked- or crudded-up: won't lock in down position.

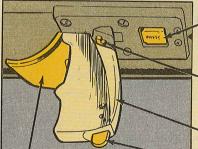
FRONT COVER/TRIGGER HANDLE LATCH & TOGGLE-Won't lock trigger-handle assembly in retracted position when front cover is closed or fully opened.

HANDLE-Missing; latch broken.

HINGE PIN & COTTER PIN—Sprung, bent or broken; missing.



TRIGGER-HANDLE ASSEMBLY



TRIGGER-HANDLE RELEASE BUTTON—Won't release assembly from locked position.

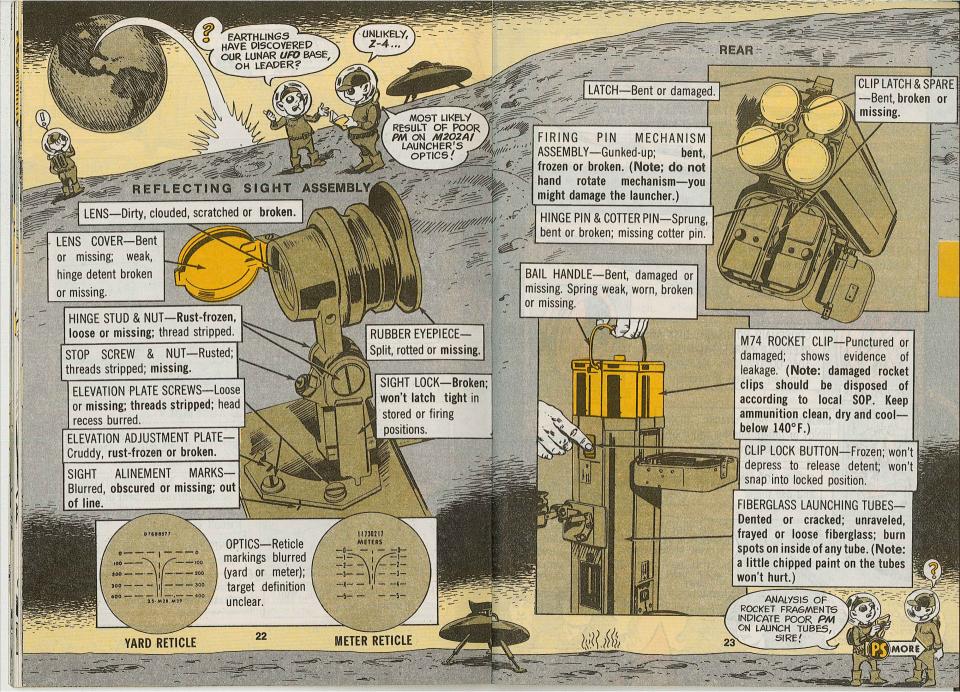
TRIGGER SAFETY BUTTON-Gunked-up, rusted, bent or broken: won't slide into SAFE position; won't safety trigger.

HANDLE-Won't extend fully into locked position.

TRIGGER-HANDLE LATCH-Won't release to extend trigger handle.

TRIGGER—Gummy; sprung; won't pull all the way back.

MORE







Too much of a bad thing is turning out to be two much for the radar cables on the M167 Vulcan.

Like so: the radar cables, during system use, rub against their cable guard (Part No. 8438662). The guard cuts into the wiring or rubs the insulation off. Scratch one cable (or two or more).

part of the cable feedthrough on the guard. Smooth off all rough edges. guard.

feedthrough contacts the cable. File at grinder.

CABLES RUE FILE GUARD 1/8-IN ANGLE HERE

The damage is caused by the lower an angle along the inner edge of the

Remove the cables and take off the So, file an 1/8-in strip off the bottom guard before you do any filing. You can of the feedthrough, where the use a hand file or an electric drill with a





Bugged when you battle-sight zero your M16A1 rifle and the promethium slot disappears from view?

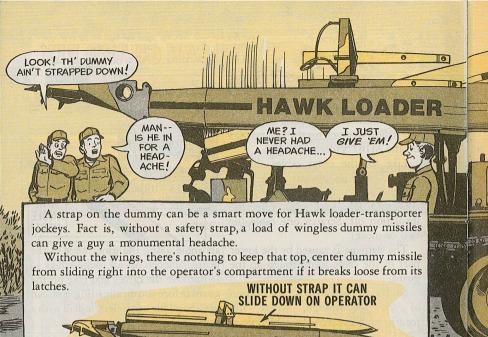
Stay cool. One click of the promethium front sight will put the luminous slot in view ... and you'll still have good accuracy out to about 300 meters.



YEAH ... SEZ HE'S PROMETHEUS!

ONF

CLICK



For your head's sake, strap the center dummy to the missile hoisting beam on

the loader. Your battery supply man can get you 2 safety straps, NSN 5340-00-

412-1997. They're listed under special tools in TM 9-1450-500-24P. Install the

DON'T

PLAY IT

THIS WAY

STRAP

PLAY IT SAFE

Missile latch circuit breakers (NSN

on your Hawk XM501E3 loader-

transporter.

Now, however, you can throw away the aspirin . . . thanks to improved breakers which are available to batteries in the field.

HAS ONE DUMMY TOO MANY ON BOARD!

TH' WORD IS HERE IN TB 43-0001-39-3 (Oct 76)

WELL... HIS FIRST IS COMING

straps anywhere along the hoisting beam.

The outboard missiles need no strapping, since they can't enter the operator's compartment if they break loose.

To keep any of the missiles from coming loose in the first place, make sure the latch well fittings on all 3 missiles are clean and tight. Check the latches on each missile hoisting beam for cracks, scoring and wear. And, make sure the hand levers move freely and are not damaged or worn. Damaged latches require action by direct support.

5925-00-842-7298) are big headaches



This is a selected list of recent pubs of interest to organizational maintenance personnel. This list is compiled from recent AG Distribution Centers Bulletins. For complete details see DA Pam 310-4 (Nov 74), and Ch 3 (Oct 75), TM's, TB's, etc.; DA Pam 310-6 (Jul 76), and Ch 1 (Current as of 15 Aug 76), SC's and SM's and DA Pam (O) 310-9 (Aug 74), COMSEC pubs.

TECHNICAL MANUALS

Ch 1. TM 3-1040-202-12 Sep M3A3 Smoke Generator

TM 3-6665-214-13&P Oct M3A1 Radioactive Source Set

TM 5-3810-295-12 Oct 20-Ton Crane-Harnischfeger Mod M32ORT

TM 5-6625-2691-13&P Sep Elec Test Set (Load Bank) O-30 KW, AC Essex Electro Engineers Inc Mod A427

Ch 1. TM 9-1300-203/3 Aug Artillery Ammo TM 9-1425-382-10-2 Jul

TM 9-1425-382-10-3 Jul TM 9-1425-382-10-4 Jul

TM 9-1425-382-10-5 Jul Pershing 1A TM 9-1425-382-10-7 Jul

TM 9-1425-382-10-8 Jul TM 9-1425-382-10-9 Jul

TM 9-1430-382-20P Sep

TM 9-1425-485-L Aug Lance pubs TM 9-1425-585-L Sep Chaparral, FAAR,

Redeve, BATS, MQM 33A, B pubs TM 9-1430-486-24P Oct Lance
TM 9-1440-585-20P Oct Chaparral

TM 9-2320-242-20 Sep 11/-Ton Truck M561 and Ambulance, M792 (Gama Goat) TM 9-4935-485-20P Aug Lance

TM 9-6920-485-14 Oct Missile, M25 Training (Lance) Field
TM .11-3895-202-24P Aug RL-31() Reel

Units TM 11-3895-209-24P Aug RL-207()/G Reeling Machine

Ch 1, TM 11-5800-213-L Aug Commo Electronics Equip Pubs Ch 3. TM 11-5805-371-15 Oct AN/TCC-65

Telephone Terminal Ch 2. TM 11-5805-383-12 Sep TD-754/G Multiplexer

TM 11-5805-689-14 Oct CV-1919/G Telephone Signal Converter TM 11-5821-311-12 Aug RT-1167/ARC-164(V) Receiver-Trans Ch 1. TM 11-5830-340-12 Oct AN/VIC-1(V)

Intercom Set TM 11-6730-242-24P Sep PH-637E Still Picture Proi

TM 55-1520-228-PMS Sep OH-58A TM 55-1520-234-23-1, Vol 1 Sep Avum and Avim Maint Manual AH-1S (MOD) TM 55-1520-234-MTF Sep AH-1S

TM 55-2840-234-23P Sep Turboprop Engine T-55 Series

TR 55-9150-200-24 Jul Engine, Transmission Oils. Fuels and Additives for Army

MISCELLANEOUS

DA Cir 750-48 Sep Military Vehicle Emis-

DA Cir 750-49 Sep Phased Inspection for Army Aircraft FM 9-63G, 1/4, Jul 63G Fuel & Elec Systems

Repairman, Skill Level 1 and 2 LO 5-3810-295-12-1 Jul Crane, Whi Mtd, DED, M32ORT

LO 5-3810-295-12-2 Jul Crane, Whi Mtd, DED M32ORT

LO 5-3810-295-12-3 Jul Crane, Wheel Mtd 20-Ton, DED 4x4 M32ORT LO 9-2320-206-12 Jul 10-Ton Truck M123,

M123C, M123A1C, M123E2, M125 LO 10-3930-630-12 Sep 4000-lb Fork Lift Truck, GED, Army Mod MHE-231 SC 4920-99-CL-A90 Sep Aviation Unit

Maint Set No. 1 SC 5180-90-CL-N09 Sep Carpenter's Tool Kit, Engr Plt

SC 5180-90-CL-N10 Sep Pioneer Tool Kit, Engr Cbt Plt

SC 5180-90-CL-N17 Sep Tool Kit, Rigging, Wire Rope, Cutting, Clamping and Splicing SC 5180-90-CL-N26 Aug Automotive General Mechanic's

SC 5180-90-CL-N34 Sep Body and Fender

AUDIO-VISUAL STUFF— Available at Your Local TASO

TEC LESSONS

010-071-6631-F Intro to 81-MM 043-441-1023-F)FAAR Emplace-020-171-1640-F M551 Target Mortars-Lowering Mast, TEC Engage-Actions of Driver

Target Engage at Night, Poor Checks, Parts 1, 2, 3

Leveling Trunnions

041-061-6125-F Tube Artillery- for Action Checking Fuze Setters

 Engage-Actions of Diver
 Leveling

 202-171-534-E
 Operation

 Venon Searchlight
 of

 202-171-5365-F
 of

 Ad41-1036-F
 Order-Airlitting

 Signals
 Signals

Visibility 043-441-5911-F Vulcan Daily 041-051-6116-F Tube Artillery: thru Checks, Parts Fire Control Alinement Tests— 043-441-5913-F) 1, 2, & 3

043-441-7836-F Prep Chaparral

043-441-7842-F) Load/Unload Chaparral 043-441-7843-F) Missile— Parts 1 & 2

043-441-1025-F Intro to 920-061-0500-F Introduction to 920-777-0505-F TEC for Green

> Testing) 940-071-0086-F M203 Grenade

Launcher Disassembly, Assembly and Maint

Checks & Services, Part 2 (Inbetween, Underneath) 944-441-0014-F Gama Goat, Checks & Services, Part 3

(Engine) 944-441-0015-F Gama Goat, Checks & Services, Part 4 (Cab) 947-071-0109-F Claymore Mine-Disarming, Recovery Emergency

020-171-5305-F 043-441-1031-F Vulcan Daily 936-061-0120-F Radio Set Con- 952-061-0055-F PSID Part 2.

trol Group-AN/GRA-39 (Prep for Emplacing, Mapping, Monitoring NEW FILM

TF 46-4947 Helicopter Icing

DA 2408-10 Date

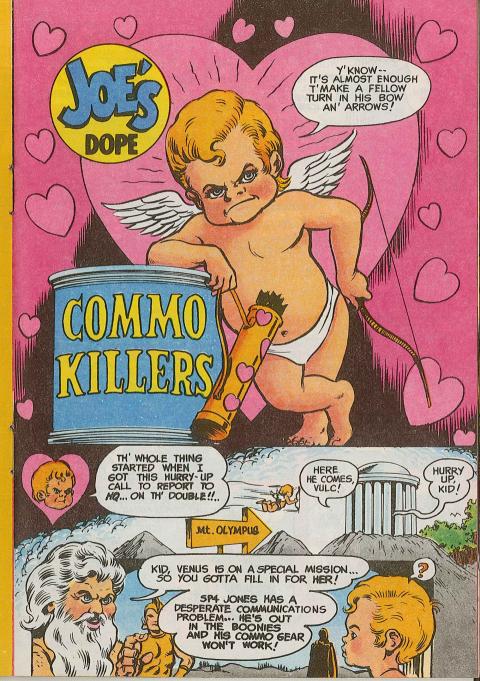
When you first fill out a DA Form 2408-10 Equipment Component Register, TM 38-750 tells you to put the date from the equipment data plate or the DA Form 2408-9 of new or rebuilt items in the first date column of the DA 2408-10. If no date shows up on the data plate, use the date in block 23 of the DA Form 2408-9. Acceptance or Gain Report for the 2408-10 entry.

Splash Panel for 5-Jon Trucks

If you need a splash panel for your TM-260series 5-ton truck, use NSN 2510-00-880-4657. The panel is the one behind the steering gear stone shield under the left fender.

Battery Box Saver

Fight rust and corrosion on your battery box and hold-downs with bituminous coating compound. NSN 8030-00-290-5141 gets a gallon.











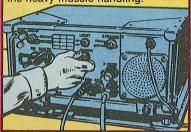




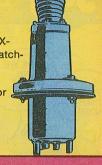


HERE ARE SOME POINTERS ON ... ROUGH HANDLING

"When you're tightening knobs on the panel of your radio set, back off the heavy muscle handling."



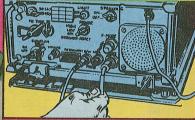
"Or, when you're installing your MX-6707 antenna matching unit, use a torque wrench. Avoid broken or cracked plastic bowl."



TRYING TO FORCE A CABLE CON-NECTOR, ESPECIALLY A MISMATCHED ONE, ON YOUR RAPIO'S RECEPTACLE, LEAVES CONNECTOR PINS BENT OR BROKEN!



"Same goes when you disconnect a cable by yanking on the wiring instead of pulling by the connector. The wires are pulled loose inside."



"That heavy handedness can damage your switchboard, too. Nudge the plug with your fingers... not with the heel of your hand."



"If you're taking your commo gear to support for minor repairs, pack and cushion it."



CHECK PS281 FOR WORD ON PACKING MATERIALS! SAY, THIS POSTER IS ON YOUR PROBLEM! WHY DON'T YOU POST IT?

31



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

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



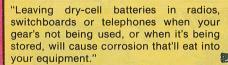




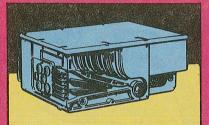
HMM -- THAT GIRL, CONNIE, LOOKS FAMILIAR ...



OK, LET'S NEGLECT NEXT...







"Clean cooling vents and blowers to knock heat builders ... dirt and dust."



"Loose or missing screws will leave your gear open to water damage."

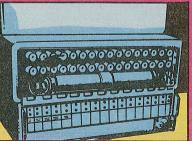


"You can also get water damage when your gear's gaskets are chipped or cracked."



"Get 'em put in, to protect your set."

"A twist or rub with an eraser will get rid of corrosion on radio,telephone or switchboard contacts."



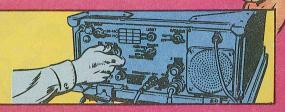
SAY, KID... YOU DO KNOW YER STUFF! HOPE I CAN GET THIS GEAR WORKING... I GOT A MAYBE SPECIAL I CAN CALL I' HELP MAKE! YOU,



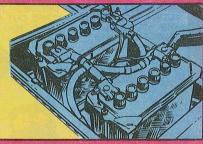
A 33

NOW, LET'S DISCUSS THE INEXCUSABLE KILLER... CARELESSNESS

"A radio switch left on when you start your vehicle engine will let surging voltage zap your set. Be sure to turn off your radio."



"Carelessness can result in reverse polarity when you hook up the CX-4720 power cable to the vehicle battery. Look for cable colors or markings . . . the larger post is positive and smaller post is negative. If you're still not sure, ask your support to give you a hand with the hookup."





BIG FEET CAN DAMAGE CABLES AND CONNECTORS!



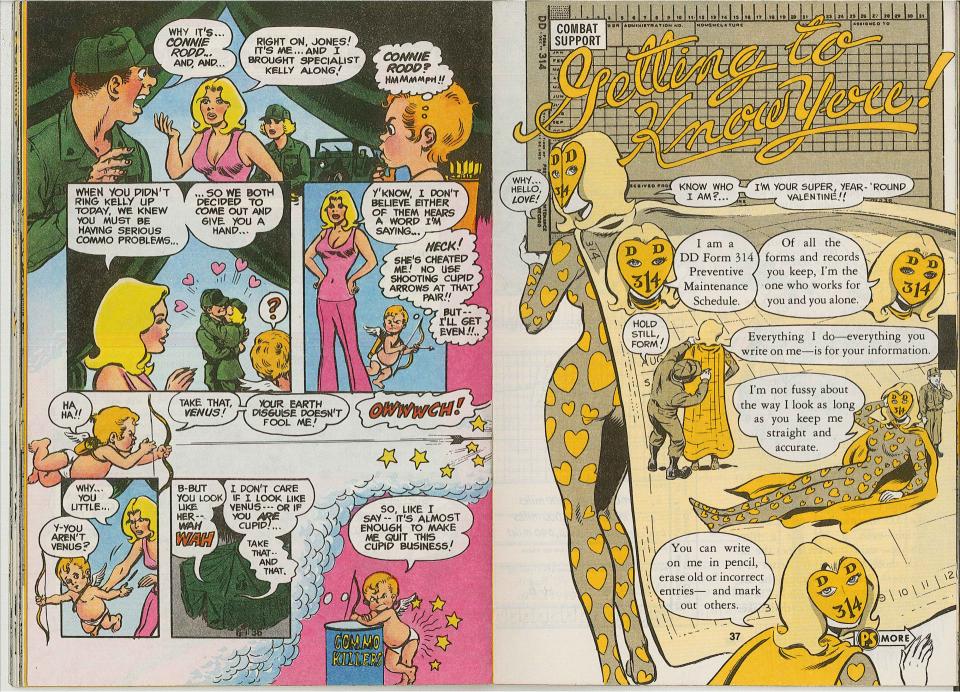
KEEP THE CLAMP 'EM CABLES UP OR TAPE AND OUT OF 'EM UP!



GREAT GOING, CUPID!

34

3



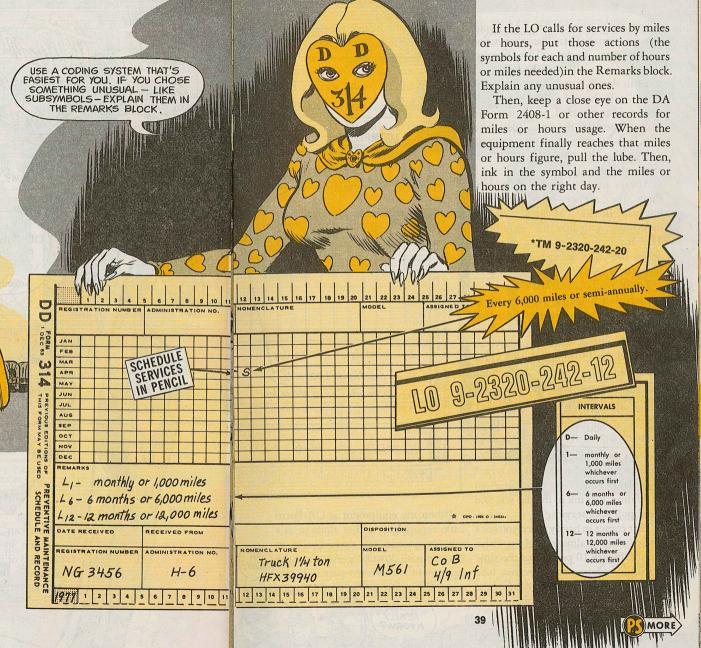
Para 3-3 of TM 38-750 tells you how to fill me out. Use the blocks at the top or the bottom to identify the equipment I cover.

You must assign a DD 314 to each piece of equipment that has its own TM and requires organizational-type services—or calls for a specialist or mechanic to supervise.

After you assign me to a particular item of equipment, it's up to you to figure out the types of lubrication actions and services the equipment needs.

HAMM...THINK
I'LL ASSIGN
YOU TO OUR
DEUCE
AN' A
HOT HALF!
DOG!

So, get out the -20 TM and the LO on that piece of equipment. Go through each pub carefully. Each time the LO mentions a periodic lube action—even if it's just a filter change—write it down. Does the LO code those actions with a letter or a number? Whatever coding the LO uses, adapt it to the symbols in TM 38-750. Set up a coding system that makes sense to you.



Services come out of your maintenance checks-and-services list covers almost all the scheduled sercarefully. Each time a different type of the new date. service is mentioned, write it down. Some special services—like tire rotations-may come under separate paragraphs in the pub. Do not overlook 'em.

Always use the symbol that identifies the service—not the time interval. If the TM only calls for monthlies, schedule 12 monthlies. The 3rd monthly is not a quarterly unless the TM identifies a completely separate Q service.

Those symbols marked on a day or scheduled for a certain usage figure—represent appointments that you've set up. But, just like a friend who understands when you arrive an hour early or 15 minutes late, I know you're not always perfect.

AS LONG AS YOU PULL MY SERVICES WITHIN 10 PERCENT -- EITHER WAY -- OF WHEN YOU SAID YOU'D PULL THEM. YOU'RE STRAIGHT!

For a monthly, you can pull a service 3 days early or 3 days late and keep the original scheduling. Just ink in the day you said you'd pull that service.

service time and pull 'em together.

KEEP TABS ON SERVICE AND LUBE SCHEDULING WITH THE DA FORM 2408-1 DAILY AND MONTHLY AND THE If you pull a lube or service outside organizational TM. The preventive the 10 percent leeway, erase the DA 2404. original schedule, ink the symbol in on the day you actually pulled it—and re-DAILY vices in detail. Read through the list schedule any following services from DA FORM 2408-1 READ-READING DATE OF NEXT SERVICE OR LUBRICATION DUE HOURS INK IN HOURS/MILES 16 Mar 77 -15003 COMPLETED SERVICES 4989 15 Mar 77 5012 14 15 16 17 18 19 70 21 22 23 MAR S JUN IF 2 SERVICES OR AUG SEP MAINTENANCE ACTIONS ост FALL TOGETHER—OR YOU CAN PULL THEM DEC TOGETHER USING YOUR L, - monthly or 1,000 miles. 10% VARIANCE—THE SYMBOL OF THE MAJOR L6-6 months or 6,000 miles SERVICE COVERS BOTH Liz- 12 months or 12,000 miles DATE RECEIVED RECEIVED FROM DISPOSITION REGISTRATION NUMBER ADMINISTRATION NO. ASSIGNED TO CO B Truck 1/4 ton NG 3456 H-6 M561 4/9 Inf HFX39940 12 1 3 14 15 16 17 18 19 20 21 22 23 When my equipment is DA Form When the gear is at support, the DA 2407 or DA 2418 you get back'll tell

That comes in handy when you see a 2406 reportable—either alone or as a lube coming up almost head-on with a subsystem—use my reverse side to service. Figure 10 percent of the time keep up with downtime. Any time the or miles requirement for that lube equipment is down for over 12 hours, and—if you need it—10 percent of the count the whole day as down. You BET.

REALLY

A FORM ?

you how to charge that time.

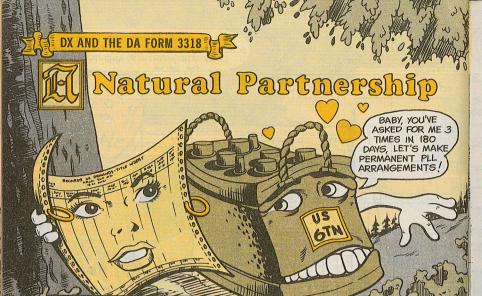
I'm probably the easiest form you'll ever fill out. I depend on you. If you ignore me, I'm just another piece of paper gone wrong.

DD

BUT WHEN YOU USE ME. I'M THE KEY TO A SUCCESSFUL LIVING-AND-BREATHING MAINTENANCE SHOP.

YOU WOULDN'T CONNIE US, WOULD YA, FORM ?

END



Seems like some things just go together: ham 'n eggs, Laurel and Hardy, summer and baseball.

They're natural partners—they complement each other.

Well, you've got a pair like that in your PLL shop: DX items and the DA Form 3318 Record of Demands—Title Insert.

Even under supply systems that don't require the DA 3318, that form is the best and quickest way to keep track of on-hand stocks and demands.

Sure, you keep the DA 3318 on regular gear and parts and non-stocked items—but, what about your Direct Exchange (DX) items?

An item can be added to or deleted from the PLL whether you order it through regular supply channels or go the DX route.

Once you show 3 demands for a DX or regular item in 180 days (360 days for USAR), it qualifies for PLL stockage. Your PLL doesn't care how you get that item as long as it's demand supported.

Before you stock an item, make sure you'll need that item regularly. Could be those demands were a one-time deal and should have gone in as non-recurring demands. Or your DX activity may have information on the item that'll make stockage unnecessary.

The DA 3318 record also justifies changes to PLL stockage levels.

If you're under special supply controls limiting the stockage of DX gear, the DA 3318 OK's a change in PLL stockage if that item comes off DX or your unit is deployed.

So, watch those DX items and keep 'em paired with current DA 3318's.

SET YOUR PRIORITIES STRAIGHT

Each supply request you turn in must have a priority. Priority designators fall between 01 and 15—depending on your unit mission and how badly you need an item.

Priorities 01, 02, 03, 07 and 08 under urgency of need designator (UND) A are for must-have items to repair deadlined equipment that stops your unit mission dead.

Priorities 04, 05, 06, 09 and 10 under UND B cover parts needed on equipment that slows down your mission, and last-out-of-bin items.

Priorities 11-15 under UND C are for routine requests.

However, you can't use any priority you want. Each unit has a choice of 3—and only 3—priorities.



Check Appendix G of AR 710-2 for details on choosing urgency of need designators—A, B or C—and special situations for some high priorities.

Never use any other priority—lower or higher—than the 3 assigned to your FAD or special situation.

CANCEL THAT CANCELLAT

	0						COMMON		REQU	STS/REQU	REPAIR	PARTS NS DUE OUT	TO UNI	TS DATE 0
	0 -		11/1	QUANT	REQNR	RON	SERIAL	REQNR	DON DATE	SERIAL	PRI	STATUS R	IC	STATUS
١	0 -	STOCK NUMBER 2540 00 165 4029	U/I EA	2	ACGA1	3193	4008 4005	3425M	3221	2455	13 13	BB REC	3	311
ı	0 -	2990 00 825 1069 5340 00 168 7111	EA EA	2 1 24	ACGA1 ACGA1	3198 3200 3209	4002 4003	3425M	3214	2104	13 13 13	BB X BB CANCEL BB X	3 3	
	0 .	5965 00 926 2591 5820 00 190 4405 5305 00 001 1853	EA EA	5 2	ACGA1	3248 3304	3016 4006	3425M 3425M	3311 3310	2000	06 06	BP X RELEAS	-	087 ISSUE ISSUE
	0 -	2540 00 176 9402 5999 00 937 1630	EA EA	2	ACGA1 ACGA1	3304 3312 3312	4010 4030 4051	3425M 3425M	3320 3320	2303 2299	13 13	RELEAS RELEAS BM REC	SED FOR	
	0	5995 00 933 8962 5315 00 023 4254	EA	2	ACGA1	3319	4021	3425M	3324	0763	13			

IF YOUR LAST DUE-OUT PRINT OUT FROM SUPPORT SHOWS "RELEASED FOR **ISSUE" NEXT TO THE** ITEM YOU WANT TO CANCEL. FORGET IT. THE ITEM'S ALREADY ON ITS WAY. YOUR CANCELLATION PROBABLY WON'T CATCH THE ITEM IN TIME. WAIT UNTIL IT ARRIVES AND TURN IN THE ITEM.

Needs change. Times change. Equipment changes. So, now you want to cancel a request you've had out for a while. Hold it! Eye the document identifier code in card columns 1-3 of the latest status card. If an AS1 shows up, the item is already on its way.

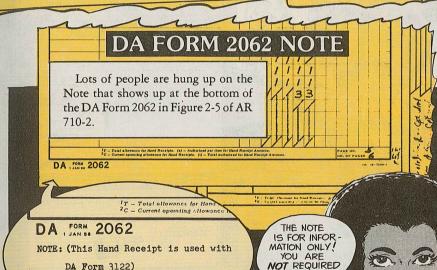
If the status card shows only part of the request on its way, you can still cancel all or part of the items not yet shipped.

Glance over the latest due-out printout you got from support. Any item with released for issue next to it should arrive within a week. It's too late to cancel.

If you've got a shipment status card or a released for issue note on the printout, you cannot stop that item. Wait until the item arrives and then either turn it in or use it as needed.

For any other status card, tho, go ahead with the cancellation





45

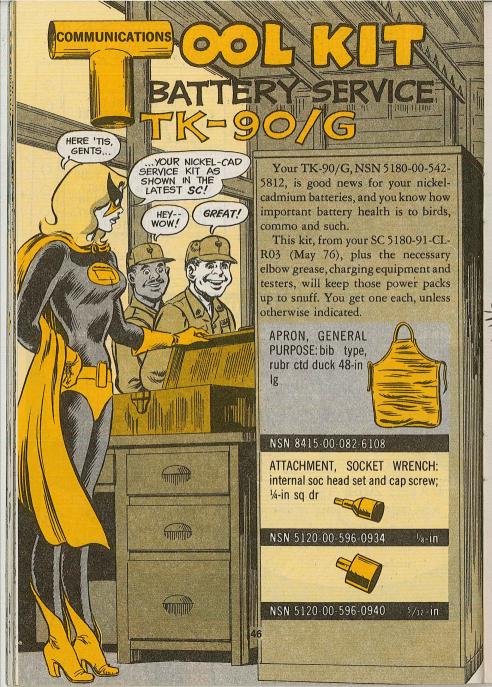
(Column T (a) will be a pencil

entry)

TO TYPE

DA 2062'S!

THAT NOTE ON YOUR



BAR, EXTENSION: soc wrench, ¼-in sq dr, 2-in nom Ig

NSN 5120-00-227-8105

BATTERY FILLER, SYRINGE: bulb type, 2-oz cap



NSN 6140-00-003-6096

BRUSH, ARTIST'S: round, dome tp, hog brstl, 7/64-in dia

NSN 8020-00-224-8028



BRUSH, PAINT: sash-tool, syn filmnt, oval, 2 % in lg brstls, size no. 12



NSN 8020-00-297-6657

CLOTH, COTTON: Cheesecloth, lintless, bleached, 36-in wd



NSN 8305-00-267-3015

COMPOUND, CORROSION PREVENTIVE: 1-pt cn

NSN 8030-00-903-0931



3 vds

FLASHLIGHT MX-991/U: reg, std., rt. angle, 2-cell, consisting of:



NSN 6230-00-264-8261

BATTERY, DRY: cyl, 1.5 nom v, D cell



NSN 6135-00-120-1020

FILTER: wht opaque, plstc, .032-in thk, 1.74-in dia



NSN 6230-00-128-2464

LAMP, INCANDESCENT: electric; min fling, S. C. base, 2.47 v, 0.30 amp



NSN 6240-00-155-8675

LENS: supplementary, diffusion, clr trnsprnt, 1.74-in dia



NSN 6230-00-356-4825

GLOVES, RUBBER: men's, nat or syn; acid; alkali resistnt, size 11, bl, 14-in lg



NSN 8415-00-266-8675





NSN 4240-00-203-0317

HAMMER. HAND: inserted face plastic; screw-in hd 1-in dia inserts. 9-oz, 11-in lg hndl



NSN 5120-00-243-2953

KEY, SOCKET HEAD SCREW: hex, Ltype, long series



NSN 5120-00-198-5413



NSN 5120-00-198-5410

KNIFE. POCKET: electrician's: 1 spear blde, 1 screwdriver blde; w/locking device, clevis



NSN 5110-00-240-5943

PLIERS, DIAGONAL CUT: regul nose. w/striping notches, sleeve opngs and skinning hole; 6-in nom lg



PUNCH: drive pin, 5/16-in dia body: %-in dia point 4-in lg o/a

NSN 5120-00-242-5966

SCREWDRIVER, FLAT TIP: plstc hndl. It duty 3-in nom bld lg

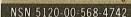
NSN 5120-00-236-2127

SCREWDRIVER, FLAT TIP: plstc hndl. med hvv duty, 4-in nom bld lg,



NSN 5120-00-222-8852

SCREWDRIVER. TOROUE IN-DICATING: w/flat scrwdvr bit: Phillips cross bit No. 2-pt size: 4-in sq dr; 1/4-in lg soc; 0-25 lb-in torque cap



SOCKET, SOCKET WRENCH: hex. reg Igth; 6-pt, 1/4-in sq dr



NSN 5120-00-236-2264



NSN 5120-00-232-5703



NSN 5120-00-241-3186



(12 pt)

NSN 5120-00-189-8610



NSN 5140-00-331-5496

TOOTHBRUSH: plstc brstl; 6-in lg

NSN 8530-00-161-6208

WRENCH, BATTERY FILLER CAP. rigid tee hndl; 2-25-in lg



NSN 5120-00-618-5320 1.25 wd,in



NSN 5120-00-618-5305 2.00 wd,in

WRENCH, SOCKET (HANDLED): hex, spin type, scrwdvr grip, 6-pt opngs





NSN 5120-00-224-2596 5/16-in 6



NSN 5120-00-293-0375 1/2-in 7



indicating plate; direct reading, 0-60-lb-in torque cap: 1/4-in sq dr



WRENCH, VENT PLUG: rigid Thandle, 2-in w, 21/2-in lg

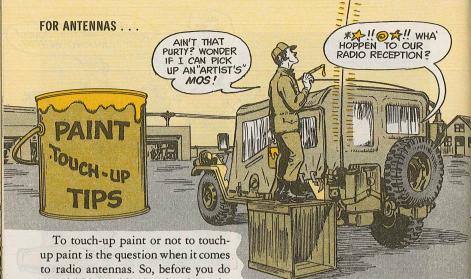


NSN 5120-00-087-2969

SO YOU'RE GIVING YOUR NICKEL-CADS CAREFUL PM ATTENTION?...







any dabbing with that brush, make sure your antenna is one that gets paint.

It's OK to put PM paint on metal antenna parts. A touch-up job will protect your gear from rust and corrosion.

wrong kind can mess up your commo. Use the right paint for the right touchup job.

TT-E-527 (lusterless) and TT-E-529 (semi-gloss) types are:

NSN

TT-E-527 8010-00-297-0560 gal TT-E-529 8010-00-081-0809 at 8010-00-297-0586 gal

SB 11-573 (Feb 69) lists painting and preservation supplies for antennas and other electronic gear. Your marking labels or decals, protect 'em equipment's TM and TB 746-10 (Jan with masking tape before you paint.

69), Field Instructions for Painting and Preserving Electronics Command Equipment, give you the info for doing the painting.

It's a no-no to put paint on fiberglass or plastic-coated antennas. Never use just any ol' paint. The Most paint will damage 'em. If you accidentally get paint on these parts, though, wipe it off with a dry cloth. Never use paint remover on fiberglass OD paints you use for touch-up are or plastic. It can cause more damage.

> Even on metal antennas you need to keep paint off element sections, contact threads and rubber gaskets.



If your antenna has warning or



(Ed Note: Sounds like a winner. It'll save wear and tear on your radio.)

Next Month In 25

BY01 . . . M85 MG FOR POL TANKERS MK-693/A THE COMMUNICATIONS GAP

PFC D.U.M. didn't use a trestle when he was working under his truck. He used a jack instead. The doctors say he didn't suffer long after the truck fell on him.



GEDADO

INDIVIDUAL SYSTEMS

OIL—Level low, leaking; filter clogged, damaged, filler cap gasket worn, damaged.



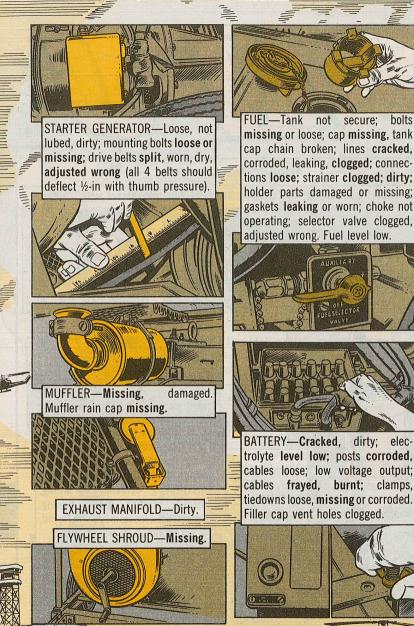




ELECTRICAL—Spark plugs burnt, cracked, broken, carbon fouled; wires frayed; points pitted, adjusted wrong, burnt; magneto burnt from overheating; evidence of arcing; manual starting crank missing. Connections loose; insulation frayed, worn; terminals damaged, dirty.









operating, voltmeter should read 28 volts.)



COVER--Missing. CANVAS mildewed.

Finished!

Nope . . . you're close, but not quite done. Before you can put your personal seal of approval on this job, you're going to have to see if the "whole thing" works right.

So-o-o-o, crank 'er up-and watch for:





FLUCTUATING INCORRECT OR **VOLTAGE OUTPUT.**

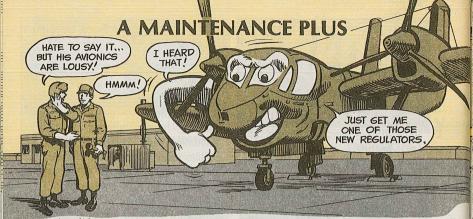
ANYTHING ELSE THAT SETS YOUR MECHANICS' SENSES AJAR.











A solid state DC voltage regulator, P/N MS18071-1A, NSN 6110-00-598-2574, has made the scene for your Mohawk. It replaces the carbon-pile regulator, which is no longer in supply.

When the new regulators hit tech supply, you can use them without waiting because the bird doesn't have to be modified. 'Course, both regulators in your bird have to be of the same type.

By the way, in the MS18071-series of DC voltage regulators, only the -1A

will fit or operate in the OV-1.

You'll get increased performance and reliability with the new babyfewer squawks on avionics equipment.

Your regulator adjustment as spelled out in Chap 12 of TM 55-1510-204-20-2 (Oct 68) and TM 55-1510-204-20/1-2 (Aug 75) does not change.

A big break in maintenance comes from the fact that you inspect and adjust the solid state regulator every 100 flight hours. It's 25 hours on the old carbon-pile job.

IMMMINE.

Try it-you'll like it!

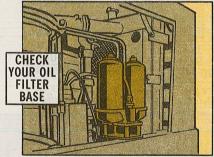


DA FORM 2028 ADDRESS TM 43-0103 mumm TECHNICAL MANUAL NONDESTRUCTIVE INSPECTION METHODS TM 43-0103 (Jun 76), Nondestructive Inspection Methods, has no Army proponent listed. It's US Army Aviation Systems Command, ATTN: DRSAV-FR, Box 209, St. Louis, MO



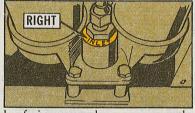
So your Hough loader's lubricating oil filter assembly is leaking . . . you've got a Murphy. The filter blowing seals... not pumping oil... or housing should be stamped OUTLET you're replacing too many filter and INLET. The INLET side should elements.

Could be the oil filter base housing—was put on bassackward the last time you serviced the oil filter during the scheduled oil change. A real Murphy!



The full-flow filter assembly that's hooked up right has the lube oil going in the right direction thru the filter elements. It also has a safety by-pass valve that lets engine lube oil pass when the filter's clogged with gunk. 'Course, the engine gets lubed with dirty oil—a very unhealthy diet when this happens. Still, the engine filter.

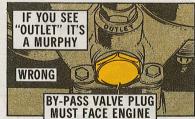
An eyeball check will tell you if



be facing you when you open the access door. The OUTLET side—with the by-pass valve just below itshould be next to the engine.

If you see INLET, no sweat.

If you see the plug-and OUTLET stamped on the housing-you've got a Murphy . . . and trouble a-brewing.



The oil is flowing in the wrong direction—the by-pass valve can't do does get lubed until you service the its job-and the filter is clogging up f-a-s-t!

It's easy to make the bad scene go connected to the fitting that passes oil

YOU KEEP BLOWIN' SEALS, LEAKING AN' NOT PUMPING YER OIL!

YA GOT ME

REPLACING FILTER ELEMENTS LIKE THERE'S NO T'MORROW!

1. Just follow the poop in para 155b, TM 5-3805-201-15 (Feb 64) to unhook the housing from the mounting bracket.

2. Turn the housing around 180 degrees.

3. Put the assembly back together. Take care, tho, to hook up the upper inlet and outlet tubes-lines-at the right oil-filter-to-tube adapters.

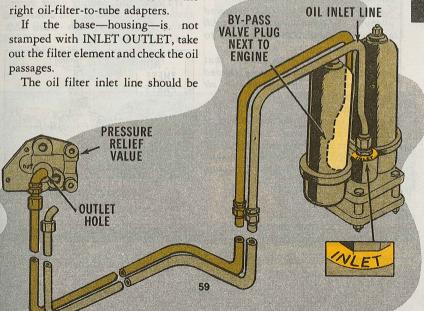
to the outside of the filter element.

HOLD ONE, PVT. MURPHY... SOUNDS LIKE YOU'VE

GOT A MURPHY!

The by-pass valve plug should be next to the engine. Figure 2, TM 5-3805-201-20P (Nov 67) shows the bypass valve setup.

The upper oil filter inlet line should be connected to the housing opposite the plug . . . and to the outlet hole on the pressure relief valve.





Dear Editor,

During servicing of the No. 2 oxygen purifier cylinders the cap blew off. Fortunately, the operator escaped serious injury, and the compressor was not damaged.

This blow-off happened after all gages read 0 PSI. The receiver drain, service relief, service line shutoff and service hose shutoff valves had been opened for several minutes.

Even tho the operator had followed all the by-the-book poop there was still enough air trapped in the system to blow the cap.

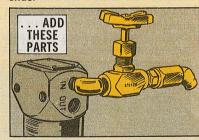
We came up with a fix that guarantees there'll be no more trapped air in our Joy air compressor air system after shutdown.

We removed the air filter pipe plug from the inlet port on the outside of the high pressure air cleaner filter head. Then we added an elbow, NSN 4730-00-278-3845, globe valve, NSN 4820-00-809-5094, nipple,



NSN 4730-00-196-1502 and check valve, NSN 4820-00-684-7104.

We open this shutoff valve during shutdown procedures and bleed ALL the air from the system—from both ends.



SFC R.L. Kilgore Ft. Belvoir, VA.

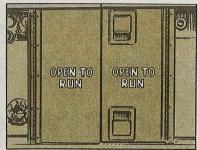
(Ed Note: Safety and PM are hand 'n' glove operations. Add this valve OPEN poop to your unit SOP.)

MINIMITALINI MARKATA M

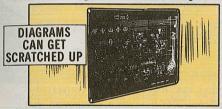
GENERATOR OPERATORS...

OPEN AND SHUT CASE

Ever hear of electric power deadlined because somebody banged up the generator doors?



It's no weird yarn. Lots of sets have circuit diagrams, instruction plates



JUST DON'T TRY
THAT AGAIN,
WISE GUY!

Note: The control of the con

and other poop printed inside panel doors.

These plates can get scratched up by unlocked doors—open or closed—banging against the controls.

Use the hooks or door stops when



you have to get at your generator panel. If you let the door flop around, it'll bang up the panel plates for sure.

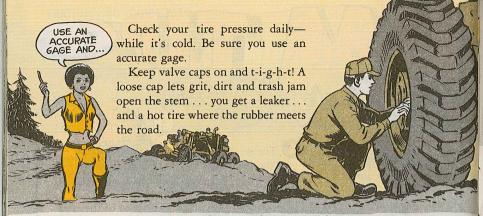
NEW SCOOP LOADER? READ THE SAFETY MANUAL

If you're operating one of the new Clark Michigan 175B scoop loaders, be sure you read and heed the safety manual that comes with it.

That 4½ to 5-yard loader is a lion and any other loader you ever had was a house cat by comparison. So make sure you're up to snuff on all the safety angles before you move out.







OTHER OPERATOR PM TIPS

You can get longer tire life by keeping rocks, nails and roots out of tire tread,

shoulder or sidewall.

THESE CUT THRU QUICK IF THE TIRES HOT!



Look for cuts, bruises, uneven tire wear and minimum tread depth. If the tire tread depth is less than ¹³/₃₂ inch deep, be extra careful with your load and speed during operation . . . 'specially if it's sizzlin'.

CALL YOUR SUPER-VISOR 'CAUSE YOUR TIRE IS BORDERLINE SAFE!

Keep the right amount of air in 'em. A low tire—even if it's part of a dual set—causes the tread edge to scuff the road. This puts uneven wear on the tread ... shortens tire life ... and causes uneven and rapid wear on both tires. Keep a matched set on duals at all times.

Use a retarder on down hill hauls. Speed and brake use increases tire temperatures.



Always use hydraulic power, not wheel power. Spinning those big wheels is a tireburning deal for real!

Doublecheck your tire PM picture by doing homework in TM 9-2610-201-14 (Aug 75) and TM 9-2610-200-20 (Nov 72).





Supply Code Book

Looking for a good supply dictionary so you can decode status cards and printouts? Here it is! FM 38-725-10, Logistic Codes for the Unit/Organization (Nov 76). Order it on DA Form 17. Use DA Form 12-11B, block 337 to get on pinpoint distribution for changes or future editions.

Cool Camouflage Screen

Staring you right in the eye on page 2-1 of TM 5-1080-200-10&P is:

CAUTION

Keep screens away from hot exhaust system at all times.

And if you don't?

Why, you can burn up the whole works, equipment and all . . . maybe even yourself.

So, keep the camouflage screen cool—away from hot exhaust.

Ditto for antennas. Some radio antennas also will put the scorch to your camou screen. Keep 'em apart.

Water Bag Bloop

One glass ampule of calcium hypochlorite is what we should have said on page 59 of PS 288. That's ½ gram to a gallon of water for those who get chlorine in bulk.

Flasher Power

Need to power up your portable flasher light NSN 6220-00-796-2657? Order 2 batteries, NSN 6135-00-050-3280, to get the power goin'.

C-12A Aircraft Logbooks

Got a C-12A aircraft on hand? Check into DA Msg DALO-SMM-F 092055Z Nov 76. That message adds the C-12A to Appendix E of TM 38-750. Keep a logbook binder, DA Forms 2408-5, 2408-9, 2408-12, 2408-13, 2408-14, 2408-15, 2408-17 and 2408-18 on your C-12A's.

DA 2406's for TRADOC Units

National-level DA Form 2406 Materiel Readiness Reports now apply to TRADOC units. The word is in DA Msg DALO-SMM-F151525Z Oct 76. Put an asterisk (*) next to utilization codes K and Q in Table A-7 of Appendix A, TM 38-750, to show the new requirement for national-level DA Form 2406's.

Saves Elbow Grease

Now that the health indicator test for Huey and Cobra aircraft engines has been adopted there is no longer any need to pull scheduled hotend checks. T53 L-11 and T53 L-13 internal inspections are being removed from Chap 3 of the organizational maintenance pubs.

☆U.S. GOVERNMENT PRINTING OFFICE: 1976 - 757-002/4

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



YOUR NSNS

IS IT ...

NSN 5935 = 00 = 022-4344 2

OR IS IT . . .

NSN 5935 = 01 = 022-4344 2

.00° or '01.



O7.

A DIFFERENCE!!