



....

SPARKS... ARE YOU SURE YOU AND THE ELVES WILL BE ABLE TO GET THE ELECTRONIC GEAR SWITCHED IN TIME

FOR OUR ANNUAL DELIVERIES?

The

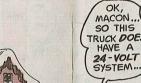
For M880-Series Vehicles . . .

10 Miles Vellicis Vel

TO HELP YOU GET
A CLEARER PICTURE OF THE
PROBLEMS, HERE'RE SOME
QUESTIONS AND ANSWERS
ON YEHICLE-RADIO SET
SYSTEMS...

A ACTION COS STRONG

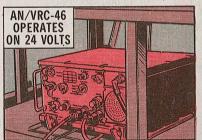
AFFIRMATIVE, SANTA... EVEN THO' IT WON'T BE EASY!!



YEAH!... BUT HOW PO WE REMOTE THE SET TO OPERATE FROM THE CAB? SORRY, RUDY... PROGRESS, Y'KNOW.

SO THIS
TRUCK POES
HAVE A
24-VOLT
SYSTEM...

Q. Is there a kit to make the M880 truck take the AN/VRC-46 radio set since the truck has a 12-volt electrical system and the radio is 24 volts?



A. No. You need an M882 or M892 truck with a 60-amp system and communications kit already installed. These vehicles have a dual electrical system—a 12-volt for the vehicle's electrical needs and a 24-volt for the radio set and other electronic equipment needs.

Q. When installing the AN/VRC-46 radio set in a 24-volt truck, what do you need?

A. You need a difference kit —NSN 5820-01-022-6287—if you're using the AN/VRC-46 from your old M37 or M715 vehicle.

If you're putting a new VRC-46 in your M882 or M892, it takes a MK-1817/GRC installation kit, NSN 5820-01-022-3328.

Q. Since the radio set is installed in the truck's bed, how do we remote the set to operate from the cab?

A. AN/VRC-12 and -43 radio sets have installation kits including the audio accessories and cables you need for remoting operations. Remote capabilities for other radio sets are being worked on.

Q. Where can we find the installation kits and parts for the kits listed if they are not in SB 11-131?

A. The kits are being added to the SB. In the meantime you can find the kit items and NSN's in the Preliminary Draft Equipment Publications, TM 11-2300-459-14-series:

Radio Set PDEP TM-AN/VRC-49 11-2300-459-14-1 AN/GRC-106 11-2300-459-14-2 11-2300-459-14-3 AN/VRC-12 AN/VRC-47 11-2300-459-14-4 AN/VRC-46 11-2300-459-14-5 AN/VRC-24 11-2300-459-14-6 AN/VRC-43 11-2300-459-14-7

These pubs, which also give installation instructions, are available through your local LAO (Logistics Assistance Office) and EER (Electronic Equipment Representative). Contact 'em thru your command's G-4.

MOR

with the same

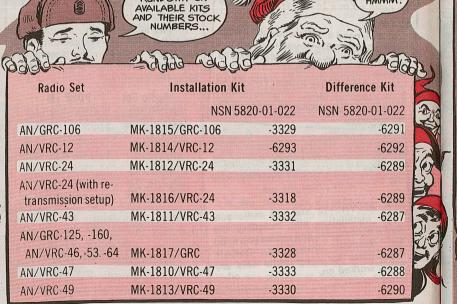


O. What kits are available and what are the stock numbers?

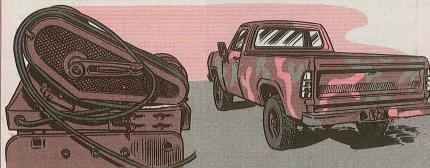
HERE'S A RUNDOWN ON

A. There are 2 types of kits for making the truck installations. One is a difference kit, which is for a radio set being transferred from a M37 or M715 truck. The other is an installation kit, which is used in a new radio set-truck installation.

MMM-



Q. What about installation kits for reel equipment such as the RL-172()/G or RL-207A/G which requires a 24-volt system?



A. There is no kit now for installing the reel gear in the M880-series trucks. Until the kit and instruction pub come your way, keep your reel equipment tied into your old truck.

Q. Is there a tiedown kit for the AN/GRC-122, -142 radio teletypewriter set shelter to adapt it to the truck?

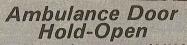


HMMMM... THESE REGS A
SAY YOU MUST HAVE
A 1000-WATT, 48-VOLT
GUIDING LIGHT ON YOUR
PELIVERY SYSTEM!...

...AN' THERE'S NO KIT AVAILABLE FOR SWITCHING RUPOLPH'S NOSE-LIGHT!



END



Good news for you users of M886 and M893 11/4-ton ambulances.

You no longer have to worry about that rear door swinging shut when it's supposed to stay open.

There's a door hold-open kit available to keep the rear doors



open—even when the wind is blowing hard. Order NSN 2540-01-040-3172.



You'll need a pop riveter to install it. The riveter is NSN 5120-00-017-2849. It's authorized by ARRCOM Msg DRSAR-MAT 151305Z Mar 77 as a new tool in the No.1 Common Tool Kit.

For No-Stick Decals

Red cross decals may peel off your M886 or M893 1¹/₄-ton ambulance soon after they're put on if the body's not prepped right.

Use P/N 2502251-2300 to order the 4-piece decal kit on page 2-145, Ch 1 (Nov 76), TM 9-2320-266-20P.

Mark off the areas spelled out in para 15b, TB 43-0209 (Oct 76).

Sand the areas to bare shiny metal. Apply a primer. NSN 8010-00-515-2211 gets a 5-gal pail—page 54 TB 43-0209.

Let the primer dry to a hard finish, and apply the decals.

Mucho work . . . but it's the only way the decals will stay stuck!

6 V

Shoulder Belt Check

Shoulder belts on the M880-series 1¼-ton trucks—and other late model commercial-type vehicles—won't lock up when you pull the shoulder strap by hand.



That's the way they're supposed to

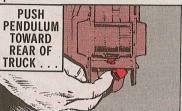
This's because there's a pendulum in the retractor. When the vehicle is stopped suddenly—like a panic stop or a head on collision—the pendulum swings forward and locks the belt.

THESE DECALS
WILL STAY STUCK-IF YOU PUT 'EM.

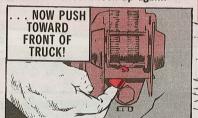
ON RIGHT!

To make sure the retractor's working, check it like so—

- 1. Remove the trim.
- 2. Push the pendulum toward the rear of the vehicle with your finger. Pull on the shoulder strap. It should lock up.



3. Now repeat the test—but push the pendulum toward the front of the vehicle. It should lock up again.



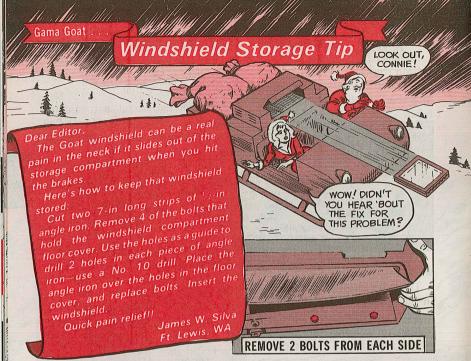
If the shoulder belt won't pass these tests, get a new one. For the M880-series vehicles, use NSN 2540-01-044-5835.

THIS SHOWS CHECK OF RIGHT- SIDE RETRACTOR.

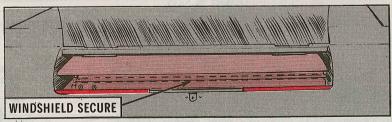
RETRACTOR

CHECK 'EM BOTH --IN THE CAB CORNERS, BEHIND THE SEATS!









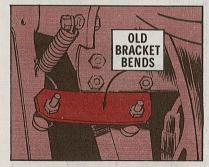
(Ed NoteNote: That ought to keep the windshield off the driver's back! Thanks!)

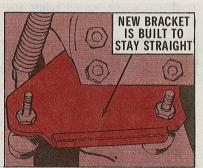


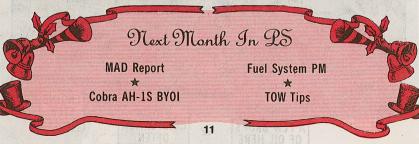
Clutch parts wear when your Goat's free travel bracket bends. And it does bend!

Means you can't adjust clutch pedal free travel right.

So, replace that clutch and brake pedal bracket with NSN 2530-01-039-8565. That's item 9, Fig 99, TM 9-2320-242-20P (Mar 77). It's built to stay straight... and it'll save those clutch parts. Put the NSN in your TM.









mech put a new one on before you start your engine. The controls are:

If the control's broken, have your

disconnected or broken.

NSN 2990-00-077-1940—2½-ton NSN 2590-00-944-6210—5-ton truck

If the cable's disconnected, have your mech reconnect it.

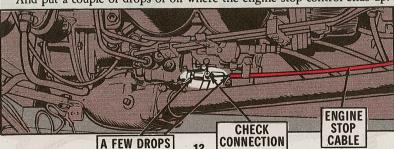
It'll help, too, to lube the control so the inner wire will slide easier. Use silicone grease NSN 6850-00-880-7616.

CHECK IT

WHEN

DOING PM

And put a couple of drops of oil where the engine stop control ends up.



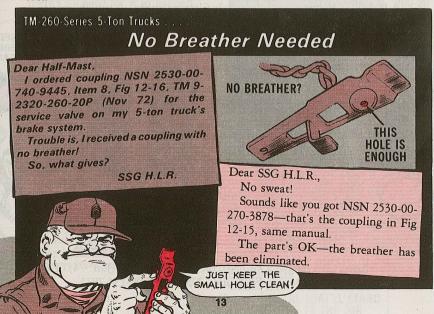
Multifuel Engine Trucks

I'VE FOUND A REAL GUSHER! THERE GOES YOUR GUSHER! THAT GUY SAT HERE IDLING HIS TRUCK FOR AN HOUR -- AND ALL THAT OIL WAS DUMPED OUT OF THE EXHAUST!

Idling your $2\frac{1}{2}$ -ton or 5-ton multifuel truck too long can waste a whole lot of oil.

During long idles, the truck's LD 465-series engine dumps oil through the exhaust. That, in short, makes for one large oily mess on the ground.

To end the waste, shut down the engine on any stop that you know is going to last more than 5 minutes. You'll save the engine from damage. And you'll also save the world around you from oily blobs—and a whole lot of costly oil and fuel.





Unlisted phone numbers may stop crank calls, but unlisted NSN's or PN's can start a switchboard burnout... and ulcers!

Fig 127 of TM 9-2320-211-20P (May 73) shows only 4 O-level repair parts. Fact is, all items for the steering lever and bracket on your TM 9-2320-211-series 5-ton trucks are replaced by O-level mechanics. The rundown is already in your Support's TM 9-2320-211-34P (Apr 72).

TM-230 Series 5-Ton Truck . . .

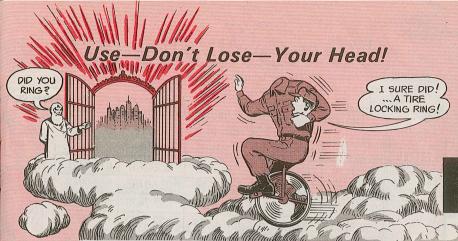
Get With Filter Story

Hey, let's take it easy with those fuel/filter assemblies for your M656, M757 and M791 5-ton 8 x 8 trucks. Too many are being used!

A fuel filter element—not the whole filter assembly—is the "in" way to go when all that's needed is replacement of a dirty filter.



The element is a part of a kit listed on page 10 of Ch 1 (Jun 74) of TM 9-2320-230-20P—Kit, Repair, Fuel Filter, NSN 2910-00-134-7835.



You don't need 4 wheels to get to the Pearly Gates.

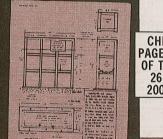
Just one tire can do the job—when the rim locking ring flies off and separates your head from your beautiful bod.

It can happen. It does happen! But there's no need for it to happen.

Always use a tire inflation safety rack to inflate the tire after you've put the tire, rim and locking ring together. Then, if the locking ring flies off, the worst you'll get is maybe a ringing noise in your ears—when the ring hits the safety rack.

Go by the book—TM 9-2610200-20 (Feb 77), Organizational
Care, Maintenance And Repair Of
Pneumatic Tires, Inner Tubes and
Radial Tires.

No, you can't get a tire inflation safety rack through the supply system. Each outfit that needs one has to make it. And that tire TM shows how. Look at page 2-28.



CHECK PAGE 2-28 OF TM 9-2610-200-20

OR SOME OUTFITS USE THEIR IMAGINATION — AND WHATEVER SCRAP METAL THAT'LL STAND UP TO THE JOB

-Shine Cam ouflage Decals

When it comes to camouflaging equipment, glossy decals just don't

hack it. What you need are lusterless decals—

LUSTERLESS BLACK PRESSURE-SENSITIVE DECALS NSN 7690-01-

N2N /030-01-								
LETTER	1-IN	1½-IN	2-IN	3-IN	4-11			
A	030-7126	031-4660	031-9543	032-0732	032-0741	山		
В	030-5778	031-4661	031-5535	032-0733	032-0742	T		
C	030-5779	031-5521	031-5536	032-2428	032-0743			
D	030-5780	031-5522	031-6394	032-2430	032-2434			
E	030-5781	031-5523	031-9544	032-2432	032-2436			
F	030-5782	031-5524	031-5537	032-0734	032-2437			
G	030-5783	031-4662	031-5538	031-5538 032-0735				
H	030-5784	031-4663	031-5539	032-0736	032-0745			
	030-8542	031-4664	031-5540	032-0737	032-1402			
j	030-5785	031-4665	031-5541	032-0738	032-1403			
K	030-5786	031-4666	031-5542	032-0739	032-1404			
	030-8543	031-4667	031-5543	032-0740	032-1405			
M	030-7816	031-4668	031-5544	031-9545	032-2438			
N	030-8544	031-4669	031-5545	031-9546	032-1406			
0	030-8545	031-4670	031-5546	031-9547	032-3712			
P	031-6395	031-5525	031-5547	031-9548	032-2439			
Q	030-8542	031-5526	031-5548	031-9549	032-2441			
R	030-8547	031-5527	031-5549	031-9550	032-1407			
S	030-8548	031-5528	031-5550	031-9551	032-2443			
T	030-8549	031-5529	031-5551	031-9552				
T U	030-8550	031-5530	031-5552	031-9553		_		
V	030-8551	031-5531	031-5553	031-9554	4 400			
W	030-8552	031-5532	031-5554					
X	030-8553	031-5533	031-5555	031-9556				
Y	030-8554	031-4671	032-1400					
7	030-8555	031-4672	032-0727	031-9558	3 032-4594			

..AND HERE ARE THE LISTS ...

ALSO ...
YOU MIGHT
WANT TO CHECK
OUT PS 28/
FOR A LIST OF
GLOSSY DECALS!





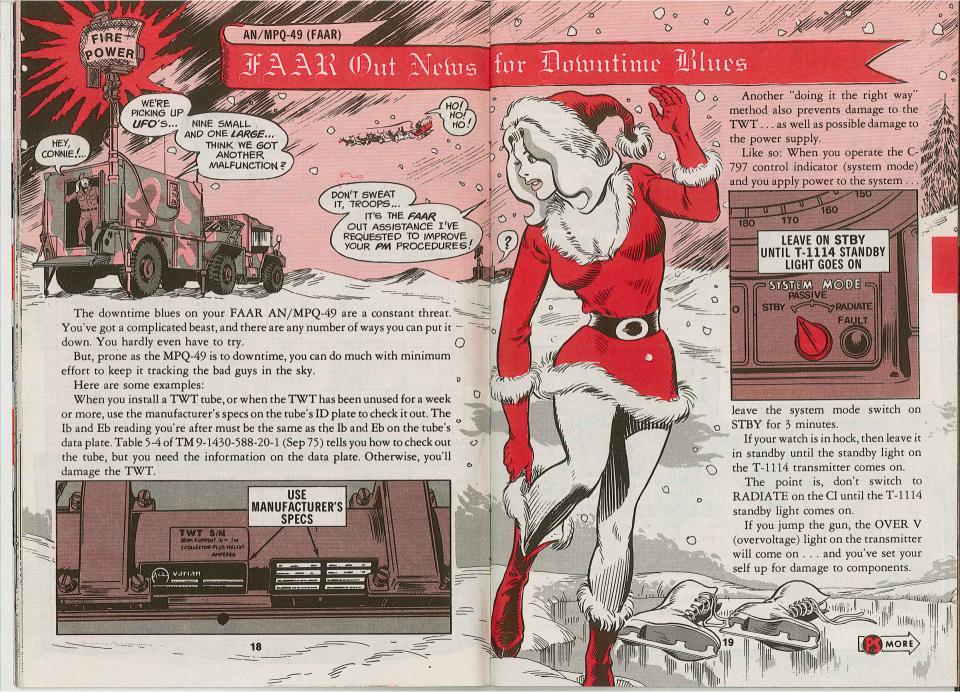
LUSTERLESS NUMERALS—NSN 7690-01-

I	NUMBER	1-IN	1½-IN	2-IN	3-IN	4-IN
	1	030-8556	031-4673	032-0728	031-9559	032-4595
	2	030-8557	031-4674	032-0729	031-9560	032-4596
	3	030-8558	031-4675	032-2421	031-9561	032-4597
İ	4	030-8559	031-4676	032-2422	031-9562	032-4598
	5	030-8560	031-4677	032-1401	031-9563	032-4599
	6	030-8561	031-5534	032-2423	031-9564	032-4600
	7	030-8562	031-4678	032-2424	031-9565	032-4601
	. 8	030-8563	031-4679	032-2425	031-9566	032-2452
	9	030-8564	031-4680	032-0730	031-9567	032-2453
	0	030-8565	031-4681	032-0731	031-9568	032-2454

MISCELLANFOLIS DECALS NEW 7600 OL

	1-IN	1½-IN	2-IN	3-IN	4-IN
★ (STAR)				042-0671	TIN
Max SPEED	032-3713	032-3715		042-00/1	
NO SMOKING	032-3714	032-4602	032-4604	036-4777	
US ARMY		032-4603	032-4605	032-4607	032-4609
MIL POLICE			032-4606	032-4608	002 1000

17





When you shut down overnight or longer, moisture can be a threat to the power transistors in your PP-6238 power static inverter. The moisture...

from cold weather, rain, high humidity or whatever... settles in the bottom of the PP-6238, especially on the A3, A5 and A6 chassis.

And, it can short out the A3, A5 and A6 when you turn the power on.

50-0-0, THE IDEA IS TO DRY IT OUT BEFORE YOU OPERATE THE EQUIPMENT!



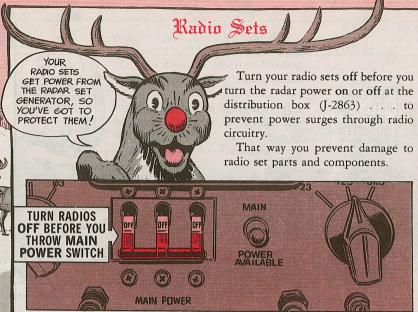
You can help by checking door gaskets for leaks and adjusting doors so's they're tight. Check roof and seams for punctures.

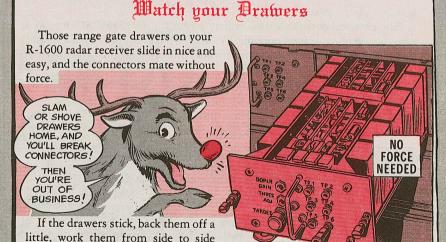
Also, keep the Gama Goat level so that water won't stand in the cargo area. After operation, open the shelter door and allow the shelter fan to run until

components are cool. Then, close the shelter.

Wipe moisture from components, including meter faces.

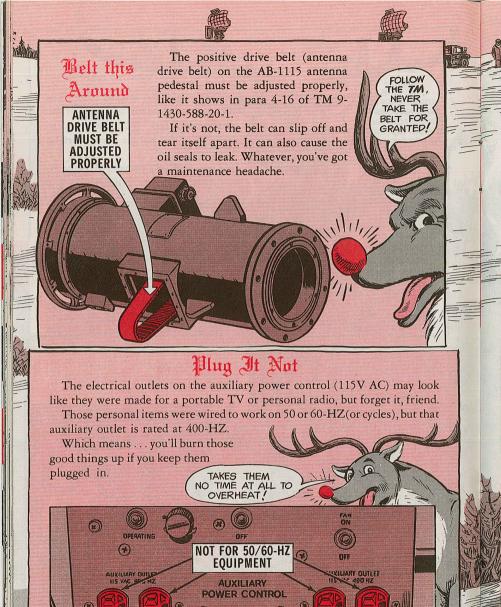
When you next operate the equipment, turn on system power and allow a 15-minute warm-up period before you go to radiate mode.

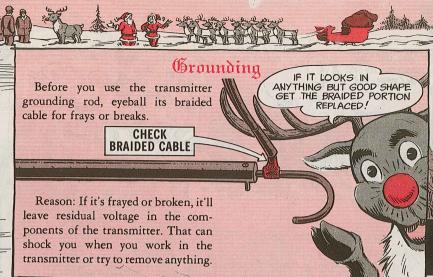




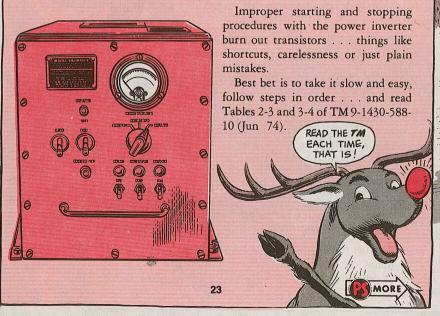
easy-like, and push lightly. Beats

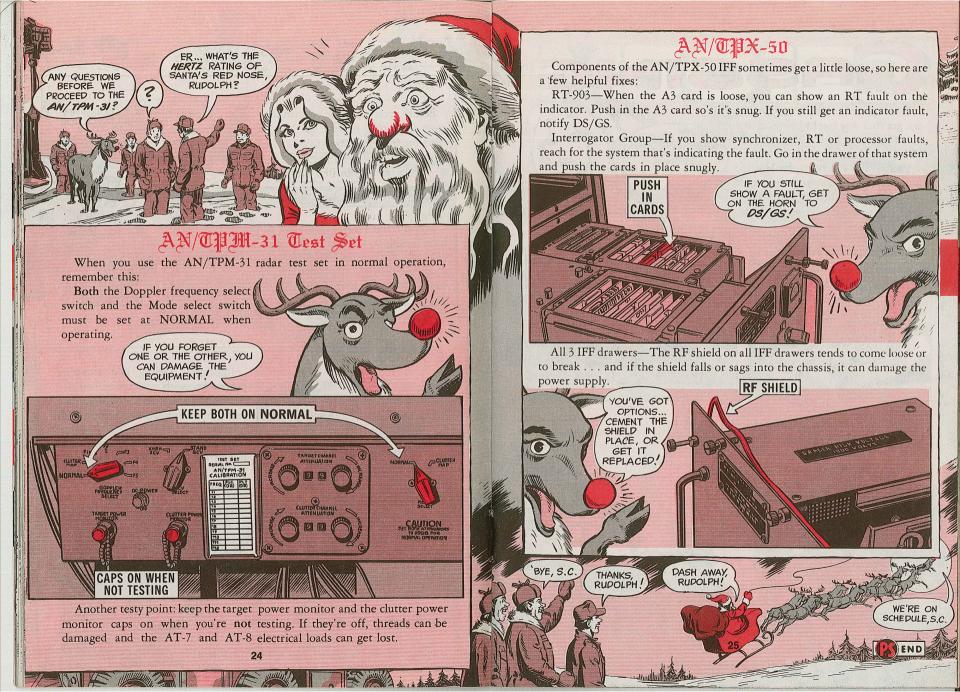
downtime.





Power Inverter







Stav off

the vehicle dur-

ing refueling.

sure the battery cables are snug on the terminal posts. And, be sure the battery box cover is on snug when you get through. The cover fasteners might work loose while the vehicle's in use, so check the cover fairly often.

Keep the vehicle floor clean. Collected grease, oil and other flammable stuff make for an accident waiting to happen. If you get a grease spill or whatever, clean it up when it happens.

27



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 77), SC's and SM's and DA Pam (0) 310-9 (Aug 74), COMSEC pubs.

TECHNICAL MANUALS

TM 3-4310-100-20 & P Jun Compressor Unit, Recip, Power-Driven, Flamethrower, AN-M4, AN-M4B, AN-M4C. AN-M4D

Ch 5. TM 5-4520-208-25P Jul Heater. Duct-Type, Portable, 400,000 BTU-HR
TM 5-4930-230-23P Jul Tank and Pump Unit, Liquid Dispensing

TM 5-6115-275-14 Jun GED and Gen Set. 10-KW, AC, Less Engine, DOD MEP-018A, MEP-023A

TM 5-6115-275-24P Jun GED Gen Set 10-KW, Less Engine DOD MEP-018A.

Ch 3. TM 9-1005-213-10 Jun .50-Cal Machine Gun Ch 1. TM 9-1005-224-10 Jul M60 Machine

TM 9-1425-480-10 Jun Dragon
TM 9-1430-532-24P May Improved

Ch 1. TM 9-2320-233-10 Jun Goer Trucks Ch 2. TM 9-2320-266-20 Jul M880-Series 11/-Ton Trucks Ch 2. TM 9-2350-238-10 Jul M578

Recovery Vehicle TM 10-7360-206-13 Jul Mobile Field Kitchen MKT-75 TM 11-5820-489-20P Jul AN/GRA-6

Control Group Ch 7. TM 11-5820- 520-12 Jul AN/GRC-106() Radio Set TM 11-5820-602-24P Jul AN/TRC-121

Radio Terminal Set TM 11-5820-610-24P Jul AN/TRC-133A

Radio Terminal Set TM 11-5820-847-12 Jul MD-1002/G Digital Data Modem TM 11-5825-219-24P Jul AN/FRN-23

Radio Reacon TM 11-5826-225-20P Aug AN/ARN-83 **Direction Finder Set**

TM 11-5826-258-24 Aug AN/ARN-123(V) 1 & 2 Radio Receiving Sets TM 11-5855-217-12-2 Jun AN/VSS-3()

Searchlight Set TM 11-5855-238-10 Jul AN/PVS-5() Night Vision Goggles Ch 1, TM 11-5855-249-10 Jun AN/VVS-

2(V)1 Driver's Night Vision Viewer Ch 2, TM 11-5915-223-12 May MX-7778 Suppressor, Electrical Transient

TM 11-6665-230-20P Aug Radiac Set TM 11-6625-475-24P Aug AN/PSM-6() TM 11-6720-250-20P Aug KS-113A Airborne Photo Surveillance Sys TM 55-1730-222-20P Jul Jack, Hydraulic.

Tripod 3-Ton TM 55-2840-232-23P Jul Engine, Aircraft, Turboprop PT6A-20, T74-CP-700. T74-CP-702

MISCELLANEOUS

AR 700-1 Jun Conversion to Metric Ch 18. AR 708-1 Jun Cataloging of

Supplies and Equipment DA Cir 310-97 Jun Notice to Users of Fed Supply Catalog, IL's

DA Pam 310-3 Jun Index Doctrinal, Training, Organizational Pubs FM 6-15D 1/2 Apr Lance Crewman FM 6-17B3 Apr FA Radar Crewman FM 6-17B4 Apr FA Radar Crewman

FM 6-93F3 Apr FA Meteorological Crew-

FM 55-57H4 Jul Terminal Operations Coordinator FM 55-64C 1/2/3 Jul Motor Transport

FM 55-64C4 Jul Motor Transport Operator LO 5-2805-213-12 Mar Gasoline Engine

14-HP MIL Sto LO 5-4320-237-12 Jun Pumping Assy 50-GPM, Frame Mounted

LO 5-4320-259-12 Jun Pumping Assy 100-GPM LO 10-4320-202-12 Jun Pumping Assy

50-GPM SC 5180-91-CL-R22 Aug Crimping Tool Kit TK-113/MSQ-28

TB 43-0149 Aug Lighting Sets for Army Airfield Runways, Heliports TC 11-5 Apr What's Up? Know How to

Repair and Fabricate Antennas TC 21-5-9 Jun Battalion TEC Handbook

THE TROOPS WITH THE ARMORED DIVISION DOWN IN BAD ... SO THAT'S PFORZHEIM NEED HELP IN THE STORY THEIR SLAVE-STARTING LASSES! INSTRUCTION ...

CAREFULLY... VERY CAREFULLY!

> ... AND I'M UNABLE TO PER-SONALLY ASSIST --DUE TO UNFORESEEN PM PROBLEMS HERE AT THE NP!

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

TEC LESSONS

041-061-6160-F Tube Artillery (M114A1) Introduction to M12 Pantel

041-061-6167-F Tube Artillery (M114A1) Boresighting by Standard Angle Method
043-441-5406-F Improved HAWK, Alinement of ICWAR,

043-441-5412-F Alinement of Improved HAWK Launcher,

043-441-5414-F Improved HAWK, Alinement of IROR,

043-441-5415-F Improved HAWK, Alinement of IROR, 043-441-5416-F Improved

HAWK, Alinement of IFF, Part 043-441-5417-F Improved HAWK, Alinement of IFF.

102-906-6102-A Antenna System Testing, VSWR, TDR and DC Resistance 102-906-6103-A Antenna

System Testing, VSWR, TDR and DC Resistance 102-906-6104-J Antenna System Testing, VSWR, TDR and DC Resistance 201-113-4615-J Prep Radio

Teletypewriter AN/VSC-2 for Op, Part I (Starting) 201-113-4624-J Prep Radio Teletypewriter AN/GRC-

142() for Op Part 1 (Grounding, Installation) 201-113-4625-J Prep Radio Teletypewriter AN/GRC-142 for Op Part II (Starting)

201-113-4626-F Prep Radio Teletypewriter AN/GRC-142() for Op Part III (Tuning,

201-113-4626-J Prep Radio Teletypewriter AN/GRC-142() for Op Part III (Tuning.

Stopping)
201-113-4627-F Prep Radio Teletypewriter AN/GRC-142() for Op Part IV (Modes of

Op)
201-113-4627-J Prep Radio
Teletypewriter AN/GRC142() for Op Part IV (Modes)
201-113-4628-F Prep Radio
Teletypewriter AN/GRC142() for Op Part V (Voice and

201-113-4629-F Prep Radio Teletypewriter AN/GRC-142 for Op Part VI (Starting) 201-113-4629-J Prep Radio Teletypewriter AN/GRC-142 for Op Part VI (Starting) 221-301-7205-A Battery BB-422/U: Daily PM, Charging,

231-906-4404-A Calibration of AN/FRA-86 231-906-4405-A Op AN/FRA-86 231-906-4410-A Op

AN/GLR-9(V)

231-906-4450-A Basic Antenna Identif 412-061-7975-F 0.002-MIL Theodolite

500-121-8126-F Posting Army Puhe 500-121-8129-A Requisition-

ing Blank Forms 610-091-6051-F Use, Care of Optical Antifreeze/Battery Tester

610-091-6052-F Use, Care of the Battery Hydrometer 610-091-6053-F Using Low-Voltage Circuit Tester (LVCT) to Test Batteries Under Load,

662-051-7606-F Prep GED Generator Set for Starting 910-171-0012-F Canvas PM 910-171-0013-F Handtools 944-091-6501-F Systematic

Inspect the 11/4-Ton Truck 948-071-0150-F Maintenance

HAVE NO FEAR I KNOW THAT OUTFIT SANTA DEAR ... I UNDERSTAND WE'LL FILL IN THEY'RE CONDUCTING FOR YOU. A SCHOOL!

KNEW I COULD COUNT ON YOU TWO!

THAT'S WHY I'VE HAD MY OWN SLEIGH READIED ...

... HAD A SACK FILLED WITH THE APPROPRIATE GOODIES ...

... AND ASSIGNED RUDOLPH TO GUIDE THE SLEIGH!

> GOOD SLEDDING. LASSES.

YOU THINK OF EVERYTHING, SC

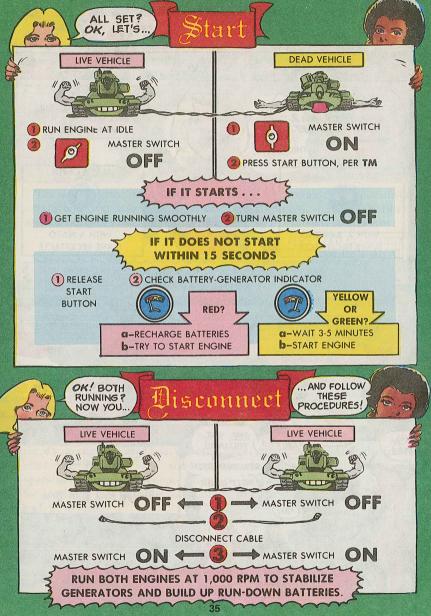




HAVE THE WORLD'S BE

<u>nt to display this centerpiece on your bulletin board, open staples, lift it out and pin it up</u>

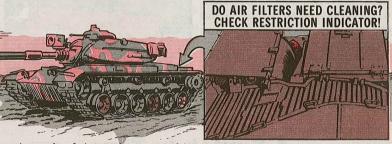








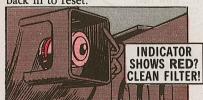
The air restriction indicator on the new style armored air cleaner box can do a real job for you tankers if you pay attention to it. It tells you when the filters need cleaning to protect that expensive engine.



A couple of tips on how to read it:

1. If the indicator shows red and you have an engine power loss, your filters need cleaning soonest!

2. If the indicator shows red but there's no engine power loss, you can reset the indicator and continue operations until your first opportunity for servicing. Just push the indicator back in to reset.



Engine power loss, erratic operation, or excessive black exhaust smoke usually means it's time to clean the air filter.

Let your mechanic know when the filters need cleaning. After the filters are cleaned, reset the indicator by pushing the red button.



Remember, it's an indicator—and indicators tell you something! Be sure you're "reading" loud and clear!

Heat Shroud Not for Storage



compartment is strictly a no-goodnick place to store cables, clamps and chock blocks.

This heavy hardware takes up space where air should be circulating and this can heat up your engine and transmission and ruin them.

So stow stuff in the sponson boxes on each side of the hull and leave the heat shroud clear. It's the only way to travel.



M60A2 Tank . . .

A Switch In Time

A lot of armament selector switches on the gunner's panel are being damaged because the control knob is



too big. Just a little too much twisting on that long knob and crunch ... there NSN 5355-00-846-1761. Since the goes the switch!

getting a smaller control knob with switch by too much force.



smaller knob creates less torque, You can reduce the problem by there's less chance of damaging the

M551 Sheridan Wiring Fix



Now reinstall the clamp, looping it over the cable and screwing it into the first screw holding the seal retainer.



periscope wipers on the M551/M551A1 Sheridan can get The screw is Item 33, Fig 121, page driver's hatch.

A section of the wiring for the

When this happens, the M48 (MS90727-60-96906). (infrared) periscope and wiper won't work, or, you might even have an electrical fire in the circuit.

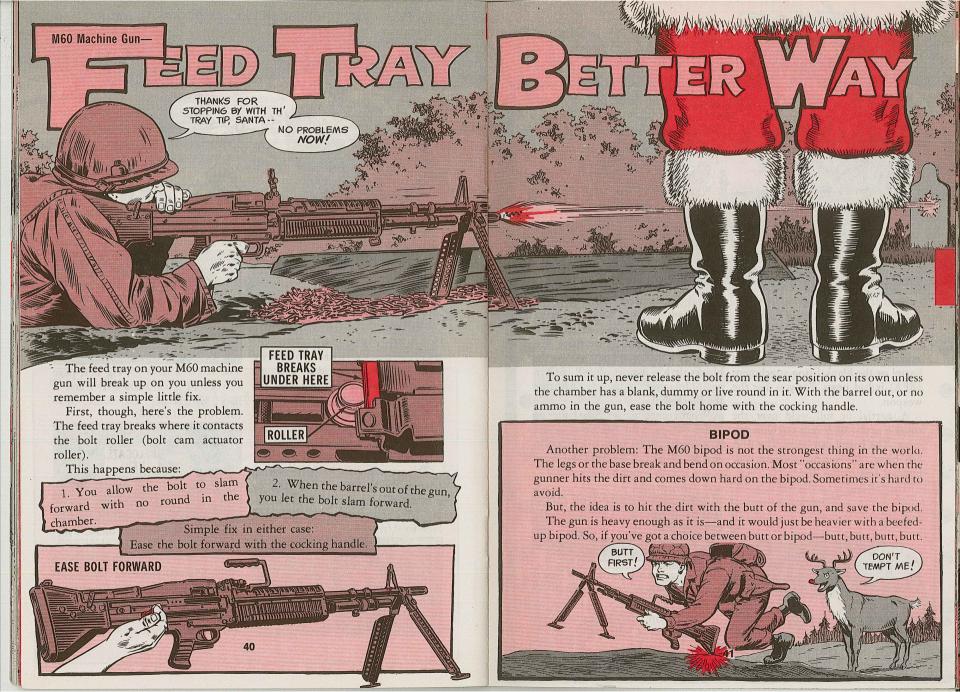
To prevent this, relocate wiring harness NSN 2590-00-939-5668 by unscrewing loop clamp NSN 5340-00-809-1492 and ream out the mounting hole to 13/32-inch.



crushed between the hull and the 210 of TM 9-2350-230-24P/1 and it lists as NSN 5305-00-269-3236



There's another way to do it that you might find more convenient. Instead of reaming out loop clamp NSN 5340-00-809-1492 (MS21333-100-96906), you can use loop clamp NSN 5340-00-954-6014 (MS21333-121-96906), which already has a 13/32inch mounting hole.





Some do it to get out of training. Some just do it.

weapon.

A partial or full weld over the muzzle or the BFA vent can blow you more carbon than live stuff, and a away. The barrel can burst. The BFA blockage is gonna build up carbon in can blow off, putting dents in your the gas system so fast that the recoil buddies and/or the BFA.



Blocked barrels or BFA's can cause failure to feed ammo, or cause a Whatever the reason, blocking the runaway weapon . . . or there just muzzle of your M60 machine gun might be a live round or 2 among the barrel or the blank firing attachment blanks. It has happened; it'll happen (BFA) is bad news. For you. For the again. Imagine the live round hitting the blocked area

> What's more, blank ammo builds up you're after is gonna be lost quickly ... and permanently.



Not to mention the hell you're gonna get when somebody finds out what you did.

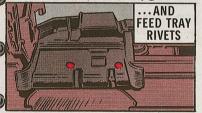
Then again, it's your game. If you like that kind of roulette

Here's a word on rivets for ar-

Rivets in the receiver group (especially the bridge) and in the feed tray need extra eyeballing. They seem to get hard wear.



There are 6 rivets in the bridge, plus 2 in the feed tray that really get loose.



You can go 'round with the "How things which can clue you when the run, and the weapons will be ready rivets are too loose to be serviceable. when troops in your unit need them.



• The riveted part will not let the weapon operate freely.

• You can move the part easily, with a 1/16th-inch or more space between the rivet head and the recess in the part.

• The rivet looks like it's about to fall through or out of the part.

• One or more rivets missing.

Your support repairs riveted parts. If you've got doubts about the rivets, get your support to check out the weapon.

A final note to armorers: Table 2-6, starting on page 2-12 of TM 9-1005-224-24 (May 71) was designed to keep the M60 combat ready.

If you follow the table, and use all of loose is loose?" bit here, but there are it, your job will be easier in the long





Of course, you don't use your bird's windshield wipers to remove early morning dew. But just wiping the dew away with a chamois or soft cloth isn't such a good idea, either.

Even a little dust mixed in with the dew drops can scratch the plastic. That can mean a polishin' job or even a windshield or window replacement after a lot of quickie wipedowns.



-First check static grounding lines and make sure they're connected.

-Remove wrist watches, rings or other hard stuff from hands and wrists.

—Use plenty of clean water to flush off the dew.

If tap water or a hose is not handy, you can use a clean pump-type water fire extinguisher with no residues and filled with clean water. (Don't remove a serviceable one from its place.) Pump a stream of the ol' H2O at the windshield, starting at the top and working down.

If you have to use a bucket to tote water, make sure it's a clean one.

Never use another bucket or container to slosh water onto the bird. If you swing too much or the container slips, you can bummer a window, antenna or the skin and red X your bird in a second.

Wet a clean cloth or sponge and squeeze it over the windshield. Keep it



up until you've given the plastic surfaces a real good rinse.



any dirt, sand or grit.

-Once you're sure there are no charge-and that attracts more dust. crud particles left, use a clean damp chamois, soft cloth or soft tissue to dry the plastic.



If the sun's still low in the eastern sky, don't worry about doin' the rinsin' and dryin' in the shade like it says in TM 55-1500-204-25/1 (General Aircraft Maintenance, April, 1970) or TM 55-1500-333-24 (Cleaning procedures for Army Aircraft, October, 1974).

But don't stall around, either. If that tap water evaporates on the plastic, it could leave water marks behind.

-Once the plastic surface is dry, quit while you're ahead. Wiping a dry

-Gently feel the windshield for windshield ups your chances for scratching and builds up a static



If you notice a static charge, gently pat or blot the plastic with a damp clean chamois—that'll knock it out.



It takes just a few minutes for your bird's morning shower. So do the job right. It can save you time in the long run by cutting down on polishing jobs and replacements.

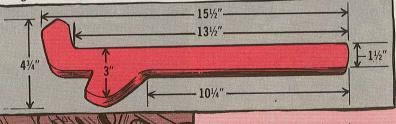


Dear Editor,

Removing and installing the Chinook No. 2 engine oil filter is a breeze. You have room to apply upward muscle while rotating the filter.

Not so with the No. 1 engine oil filter. Mechs use hammers, screwdrivers, blocks of wood—you name it—because of the close quarters. The result is often damage to the oil filter cap, aircraft skin, lines or heat detecting element.

A simple way to deal with that filter is to make a tool from ¾-in plywood, using these dimensions and approximate shape.



To use the tool, just place the toe on the filter and the heel on the airframe. Then, use a little downward pressure on the handle with one hand while rotating the filter with the other hand. The tool works like a charm.

Paul L. Paitsel Ft. Eustis, VA

. A LITTLE DOWNWARD PRESSURE

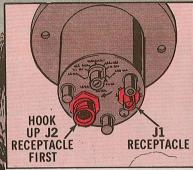
(Ed Note: Righto! Looks like a real fine work aid.)

3





Then, follow the cables to the antenna tie-in end. If the connectors are not connected to the II antenna cable receptacle and J2 control cable



receptacles, always hook up the J2 receptacle first. This will keep you from accidentally bending or breaking pins with the smaller connector.

It's a good idea to eyeball those cables for frays or cracks. If a cable is in bad shape, replace it.

Make sure you have at least one ground strap snugged in between the top tray and base assembly of your MT-1029 or -1898 mounting. If the strap is missing, get it replaced,





While you're looking between the mounting trays, eye those isolator assemblies. If they're damaged, tell your support to get you rubber resilient mount NSN 5340-01-012-3713 so you organizational types can replace it, like it says in para 2-5 of TM 11-5820-401-35-9 (Apr 74).

On AN/PRC-25, -77

Protect Connectors

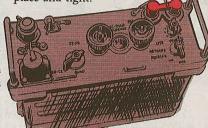


That rugged AN/PRC-25 or -77 radio set is made to take rough treatment, but hard knocks and bangs can get to the best of them.

The front panel can stand up to use. Abuse it can do without.

Those 2 AUDIO connectors are more or less protected by the handle. But when you add a handset cable in use, keep the electrical connector connector for the handset's cable, a cover on them. Besides keeping out bump or a knock can leave your set's dirt and moisture, it serves as a front panel cracked or broken.

Before you connect the handset cable connector to the AUDIO connector, make sure the locknuts are in place and tight.



COVER BARE CONNECTORS

Also, when the connectors are not bumper to protect the connectors.

DA Form 2028 Address

Get a quick reply to your DA Form 2028 on electronics or communications tech pub errors by using the new Electronics Command address, Send your DA 2028 to:

US Army Electronics Command
ATTN: DRSEL-MA-Q Fort Monmouth, NJ 07703

> SOME OLDER TECH PUBS HAVE OUT-OF-DATE ATTENTION LINES!

Clock Battery NSN

Is time standing still 'cause the battery's dead in the clock on your electronic equipment shelter wall? Get your clock going again with BA-1090/U battery NSN 6135-00-835-1023.



You say you know your AN/PRC-25 or -77 radio set has been modified with an air valve in the CY-2562 battery case, but there's no MWO 11-5800-211-30-1 label to show for it?

That's OK. As long as you can see the air valve is installed, you don't need an MWO label.

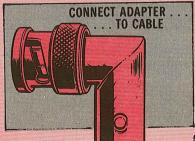


Protect Receptacle

Adapter Will Do It

Connecting and disconnecting that CG-1040B/U coax cable to your TD-353/U multiplexer can cause wear and tear to the front panel receptacles and shorten their lives.

To make the receptacle last longer, connect a UG-306B/U adapter NSN 5935-00-847-2600 to the cable.





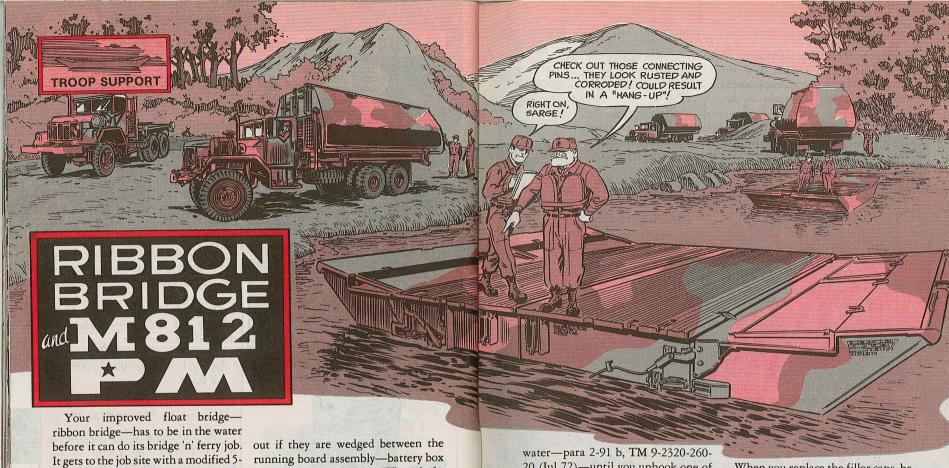
YUP! SANTA SENT ME!

The adapter will be the connector-to-panel go-between.

Then, any damage done from connecting and disconnecting will be to the adapter and not the panel receptacle. And, the adapter is easy to replace.

52





ton M812 truck.

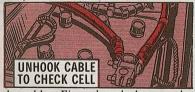
But the bridge is landlocked if the fray, arc and burn. transporter can't go because of dead batteries. The battery cables can short



top-and the battery box. They chafe,

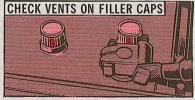
There was an EIR fix back in 1973 for this bad battery cable scene—but a lot of units must have missed it. Para 2-14i in TB 43-0001-39-2 (Jul 77) has the latest info.

When you're checking the cells for electrolyte, don't pass up the one that's squeezed between the hot line and connector cable. You can't unscrew the filler cap to add distilled or clean 20 (Jul 72)—until you unhook one of



the cables. First, though, be sure the ground cable is unhooked. You don't want a handful of hot metal . . . and besides the fast burn, you may short the battery cables.

When you replace the filler caps, be sure their vents are unclogged. Heat builds up inside the battery box (they've been known to explode) even when everything's PM-perfect.



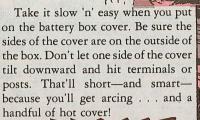
Be sure the filler plug threads are smooth and clean. Burred, dirty caps won't tighten like they're supposed to. Screw the caps in straight or they won't tighten.

WRONG!

Mexically Construction which to Said alabor 1 4

LOSE

SOME



KEEP CASE COVER OUTSIDE

Ramp/Interior Bays PM

ONLY AN

RIGHT!

LEVER

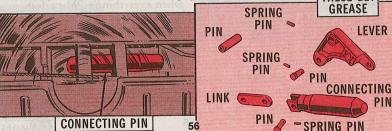
VENTS CLEAR, CAPS SEATED STRAIGHT 'N'

TIGHT !

25 MORES Pinning and holding the ramp/end bays and interior bays together is the whole scene for ferrying and bridging. If you don't do it right, you can dump a tank in the drink or a truck in the muck!

> A COUPLE OF ITEMS NEED SPECIAL PM TO KEEP THE WHOLE 9 YARDS CONNECTED!

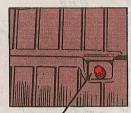
Lower Lock Drive-This connecting pin-along with the roadway connector—holds the bays together. Poor PM on these items can cause a heap of trouble, downtime and loss of equipment. THESE GET



Be sure the lower lock drive works smooth and easy. Put plenty of molydenum disulphide grease—NSN 9150-00-754-2595, 1-lb can—on the connecting pin, 3 spring pins, 3 pins, position link and position lever after every operation.

A rusty, corroded connecting pin that "hangs up" in the eye on the mating bay when you use the T handle could make you think it was fully seated. In fact, it's just part of the way in. Any vehicle crossing or ferrying is guaranteed a

big splash!

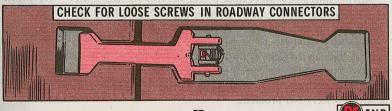


BE SURE LOWER LOCK PIN DRIVE SHAFT IS 34-INCH **BELOW DECK**

'Course, there's one way you can be sure the lower lock drive pin is all the way in: The top of the pin drive shaft should be 3/4 inch below the deck when the connecting pin is fully seated—para 2-8e(5)(e), TM 5-5420-209-12 (Feb 76).

Change the Note in para 2-8e(3)(f)—about the pin drive shaft being flush with the deck—to match the PM poop above. This new info will be in a change to the -12 manual.

Roadway Connector—Check for loose screws (they get 120 to 132-lbs-in torque) a burred or missing pin; distorted, broken or missing spring; broken or cracked connector or connector block.





Go with the directions in para 4-9b(2)(a) of TM-38-750. Fill out a permanent logbook copy of the Acceptance Report. Try to track down as much of the

0	∵ u. s.	IN THE THE PROPERTY OF THE PRO					
371934 1. ORGANIZATION	UNK	2. LOCATION		NK JOSEPHA NO. 10. REGISTRATION NO			
CARRIER PERSONNEL	MII3AI 2350-00-968-6321 FI			TOCK NO.			
1. YEAR OF MEG 12. MANUFACTURER (M. FOOD MACHINER	24 80212	UNK		14. PURCHASE ORDER NO. K			
TYPE REPORT	CODE 18.	USAGE	19. 5	MIPPED TO 10 STIPPED TO 10 STIPPED TO			
a. ACCEPTANCE AND REGISTRATION	А а. ноц	URS O					
b USAGE		8		IF YOUR EQUIPMENT ORIGINALLY			
c TRANSFER	b. MIL	(s	20.	HAD AN ACCEPTANCE REPORT—BUT			
d LOSS		46		IT WAS LOST OR DESTROYED—			
e. GAIN	c. ROI	UNDS		MAKE UP A REPLACEMENT. PUT UNK IN ANY BLOCKS YOU			
/ OTHER				CANNOT FILL.			
	oum In manent	ritiates Zogla	101				
22: NOPECTOR'S SIGNATURE							
Secure of this form Gee TM 38 7	UIPMENT CON	cy is the Office of t	the De	puty Chief of Staff for Logistics.			
DA FORM 2408-9 REPLACES DA FOLIMS 2408-7, 1 JAN 84, AND 2408 8, 1 JAN 84, WHICH ARE DESOLETE.							

original information as possible. Put UNK in the blocks you cannot fill. The Julian date you fill out the form goes in the Remarks Block.

Write "New Form Initiated" and "Permanent Logbook Copy" in the Remarks Block. Trashcan the NMP and Rebuild/Overhaul copies.

But, if the equipment arrives without a DA 2408-9 Acceptance Report, you go a little different route.

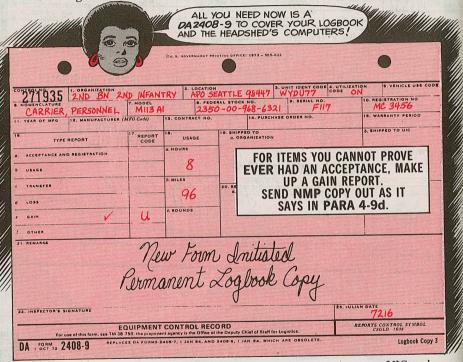
Contact the people who sent you the item. They may still have the form and/or logbook.

If they do not have the form and/or logbook—or the information for them—you have no way of knowing whether a DA 2408-9 Acceptance was ever sent in.

Para 4-2d(2) of TM 38-750 tells you to contact the Maintenance Management Center (USAMMC) in Lexington for that info. Forget that. Lexington no longer keeps a complete history on your equipment.

They can supply you with the information from the equipment's last two Transfer or Usage Reports (if any were turned in).

Some info—like when the equipment joined the Army—may be permanently lost. But, keep this in mind: The absolute minimum info you need is what goes on a DA Form 2408-9 Transfer. If you've got that much, relax.



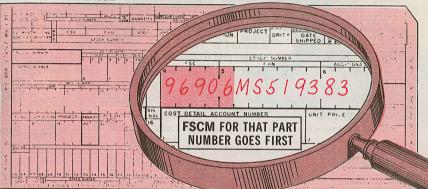
Fill out a DA Form 2408-9 Gain Report. Put your unit name, UIC and location in Blocks 1, 2 and 3. Put code U in Block 17. The Julian date you filled out the report goes in Block 23. Send out the copies as it says in para 4-9d of TM 38-750.

The Gain Report takes the place of an Acceptance Report. But it does so without duplicating any acceptance info that may be on file somewhere.

Put "New Form Initiated" and "Permanent Logbook Copy" in the Remarks Block of the DA 2408-9 Gain Report you keep in the logbook.

When you're getting it together for a ticklish part numbered item supply request, take a good look at the information line-up.

No matter what type or how long the part number is, the manufacturer's code must go on the request as the first 5 numbers of the part number in the stock number block.



The Federal Supply Code for Manufacturer's (FSCM) ties your part number to a specific manufacturer. You need it because many items may have the same part number. (Manufacturers do not get together on assigning part numbers.) So the FSCM may be the only difference between part numbers—and the difference between getting a wing nut or an axle.

You may find that FSCM in one of serveral places in your parts manuals. Some pubs give the FSCM its own column after the part number column. Others list the FSCM in parentheses in the Description block. If the FSCM doesn't show up, check the index. Older pubs seem to almost hide the FSCM.

Either way, put the FSCM on your request form as the first 5 numbers of the part number in the stock number block.

The FSCM and part number become one. Do not leave a space or use a dash or parentheses to separate them.

If you can't track the FSCM at all, make sure you put the manufacturer's name on the DA 2765 in Block M.



The DA 2408-14 Uncorrected Fault Record puts your supply and maintenance operations together—if you follow-through! That means you—whether PLL clerk, maintenance supervisor or TAMMS clerk.

Any time a mechanic or operator discovers a part that needs replacing, you swing the supply and maintenance systems behind you.

Get the NSN and part identification out of the pub on the item. Then take or call that info to the PLL clerk. If the part's there, somebody goes for the part. The fault's fixed and that's it.

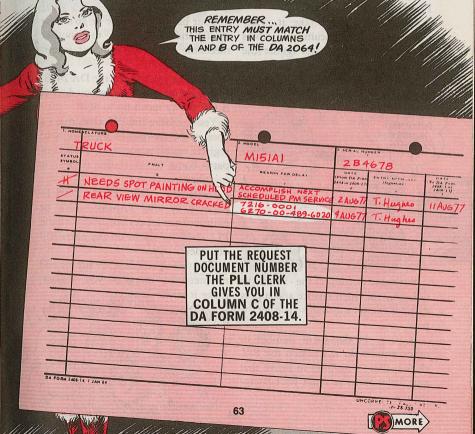
But, if the part's not in stock, hold it! Unless the fault deadlines the vehicle (X status symbol or red X or circle red X on aircraft), that fault will be carried on the DA 2408-14 until the part arrives.

You'll need the document number the PLL clerk puts on the request for that part. That document number ties your maintenance work into the supply system.

			CO A 1ST BN, 60 TH INF (ME	EAA	PROM 7214		, Month, Year		33		
PRIORITY C	OCUMENT	CONTROL NUMBER	CO A 1 - ON, OF		SUP SPT.	017	REC OR TURNED	OT F OUF-IN	(A*1 (OVC)	MISC	
ANDUALE	006	ç	3030 833-1336 BELTS, V		EEC	ı	1		7217		
10	1001		5930-00-991-6173 T. Hughes	ASSY	EEC	1					
12/12/2	002		5935-00-900-6281 ADAPTE	ER OR	eec	2					
13/7216	1001	- 4	6210-00-407-6020 111121-			•			,		
		FOR Y	GET THE REQUEST DOCU OUR DA 2408-14 ENTR CLERK. NEVER MAKE UP A M			PLL					



Stay with the PLL clerk—or stay on the line—until you get a document number for that request. If you can't stick around that long, ask the PLL clerk to call you or the TAMMS clerk with the document number.



Sometimes items you normally pick up at the Quick Supply Store (QSS) or Self-Service Supply Center (SSSC) may be out of stock. If so, put either QSS or SSSC (depending on the normal source) and the Julian Date the store turned you down on the item in column c of the DA 2408-14 above the part's NSN.

Your PLL clerk puts similar entries on supply forms.

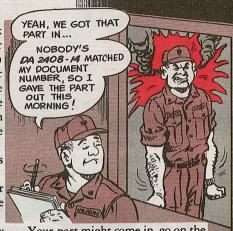
If your records—document number or QSS/SSSC note—don't match the PLL clerk's, you lose.

Some turkeys just fake it. They make up their own document numbers on the DA 2408-14 and ignore the part number, QSS or SSSC note.



But those entries on the -14 are the only way the maintenance and supply systems can get together so you get the part.

If your -14 document number or other entries do not match the PLL clerk's, there's nothing to prove that part belongs to you and your equipment.



Your part might come in, go on the shelf and be given to another mechanic while you and your equipment wait.

It's up to you to keep the DA 2408-14 entries up to date. How you do that is left pretty much up to SOP.

You can have the PLL clerk make a note in the margin of the document register to call you when DA 2408-14 parts come in or if the request is cancelled.

"Schedule" DA Form 2408-14 reviews by the TAMMS clerk or maintenance supervisor. Then call the PLL clerk for status on any parts still on order.

Whatever procedure for supply and maintenance mergers you choose,





APO To Zip

Most units in Hawaii and Alaska now have CONUS-type zip codes instead of APO numbers. Line through the old APO number on your logbook forms and write the new address above it. That'll keep everybody straight on the address. Do not send out corrected copy DA 2408-9's. The change from APO number to zip code will not affect the computers or your current forms.

Jowed Howitzer "System"

The new word: Forget what PS Magazine 298 (September) said on the inside back cover about the towed howitzer "system" on the DA Form 2406 Materiel Readiness Report. You still report the howitzer as you did in the past.

New EJR Address

Aircraft and troop support equipment are now under a single commander. So, send all your Equipment Improvement Recommendations (DA Form 2407) on that equipment to:

Commander

U.S. Army Troop Support and Aviation Readiness Command ATTN: DRSTS-MEM(2) 4300 Goodfellow Boulevard St. Louis, MO 63120

Keep CJA 50-970 Change

Change 2 to CTA 50-970 Expendable Items says it supersedes Change 1. Not so! That was a goof. Change 1 is still good when used with Change 2.

Ease the Freeze Confusion

You've gotta watch when you stick that caution decal mentioned on page 59 of PS Magazine 299. It's not intended for fuel systems on diesel or multifuel vehicles. It's to be used on equipment like air compressors, fuel and water dispensing rigs, water pumps and fuel separators. Use it where water can freeze or bust something, but not on engine fuel systems.

Reading Rads? Get Decal

Put a warning decal on your radio set or other electronics gear meters that contain radioactive materials such as radium. If the meter is one listed in TB 43-0122 (Aug 74) or noted in your tech manual, put the caution type radioactive material decals on or near the meter face.

You can get a decal by listing the nomenclature and stock number of the meter and sending this info to:

Commander
US Army Electronics Command
ATTN: DRSEL-SF-H
Fort Monmouth, NJ 07703

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



SO YOU CAN





