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ISSUE NO. 391 JUNE 1985

GROUND MOBILITY

STE/ICE 2-10 M131 Tankers 42 **Batteries** 11,45 Electronics Van 43 M172 Gear Legs 37 M1009 Windows 44 Trailers 38-41 M911 Compressor 44

FIREPOWER

Muzzle Cap 11 M2/M3 Bradley 22 M1 Tanks 12-15 M109SP I-com 24 M48/M60 Tanks 16-21 M113 Oil Change 25 19 CVC Helmet **AVLB Brakes** 26-27

COMMUNICATIONS

SB-22 Abuse 29-36 TACFIRE 60 Interlock bags 56 AN/UGC-74 62 AN/PRC-77 Antennas 57 AT-1729 Antenna 63 RATT Rig 58 RO-526 PMCS 63

AIR MOBILITY

Inspection Stamp 46 Aviation Messages 48 Inspection Times 47 Slingloading 49 FOD Apron 48 AH-1S IR Repair Kit 49 OH-58 Gearbox lube 48 UH-60 Engine 50

FIREPOWER

M15A1 BFA 52 M1911A1 Springs 54 M16 52.53 M85 MG

PS wants your ideas and contributions, and is glad to answer your questions. Name and address are kept in confidence. Just write to:

MSG Half-Mast PS Magazine Lexington, KY 40511-5101

TEEM-FIEH

See Me!

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If you've got a hot maintenance problem, call these AUTOVON or commercial numbers for help.

First, touch base with your MAIT. DSU or local Logistic Assistance Office before you dial, tho. They're your first line of help.



* Tanks, small arms, missile guidance/control systems for LCSS, ground and air TOW. Dragon, LANCE, Shillelagh

> **AUTOVON 694-6582** COMM 205-235-6582

* Aircraft engines

AUTOVON 861-2651 COMM 512-939-2651

* Cat 1 EIR (Aircraft) duty hours 693-3261)

> **AUTOVON 693-2066** COMM 314-263-2066

* M113 FOV (incl Vulcan, Chaparral), M2/M3 Bradley

> **AUTOVON 829-3100** COMM 214-838-3147

* Power generation egpt, wheeled vehicles, brake problems, Redeve, topo

> **AUTOVON 790-2129** COMM 801-833-2129

* All howitzers, M578, FAAR, FADAC, ground guidance and shop/test egpt for I-HAWK and Nike-Hercules

> **AUTOVON 238-7693** COMM 717-263-7693

* Commo/Electronics (Sacramento)

AUTOVON 839-2839 COMM 916-388-2839

* Commo/Electronics (Tobyhanna)

AUTOVON 795-7900 COMM 717-894-7900

* Commo/Electronics (Ft Monmouth-CECOM)

> **AUTOVON 992-5300** COMM 201-532-5300

* Camouflage

AUTOVON 354-2654 COMM 703-664-2654

* Supply. Maintenance policy guidance for AR's 750-1, 710-2, 735-5, 735-11, 700-131 and 710-28

> **AUTOVON 977-6842** COMM 717-782-6842

* Fuels/lubes

AUTOVON 354-4325/3576/4594 COMM 703-664-4325/3576/4594

* Substitute NSN's, part number cross reference to NSN, item ID, price questions and AMDF code problems (MIRAC)

> **AUTOVON 977-7431** COMM 717-782-7431

* Personnel heaters (TACOM)

AUTOVON 786-7417/7745 COMM 313-574-7417/7745

* Aircraft Vibrex balancing kit

AUTOVON 693-3312 COMM 314-263-3312

* Defense Construction Supply Center (for ROD's)

> AUTOVON 850-4275/2089 COMM 614-238-4275/2089

(For non-NSN requisitions)

AUTOVON 850-2730/2841 COMM 614-238-2730/2841

* STE/ICE (TACOM)

AUTOVON 786-8850/8851 COMM 313-574-8850/8851 FTS 973-8850/8851

* Warranty (TACOM)

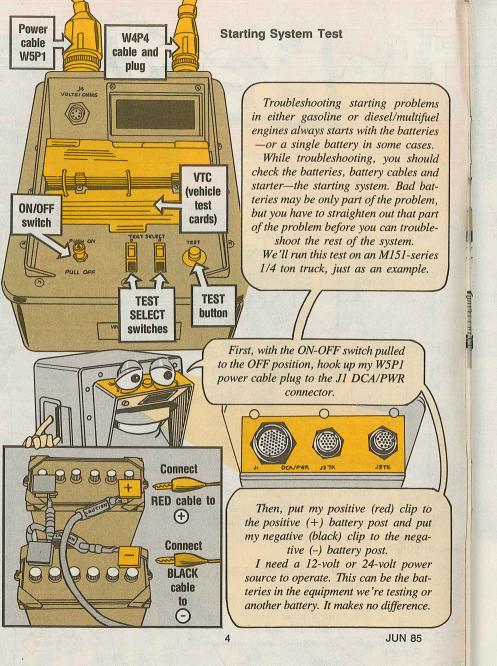
AUTOVON 786-7889 COMMS 313-574-7889 FTS 973-7889

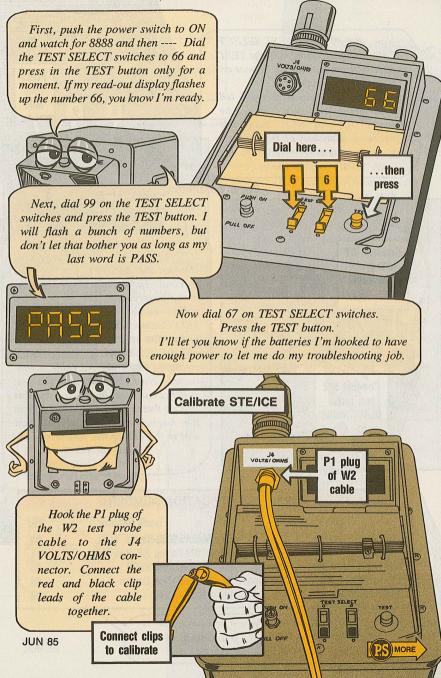
* Food service equipment, individual equipment (clothing), aerial delivery, tentage and shelter (NATICK)

> **AUTOVON 256-5341** COMM 617-651-5341

Bonnie

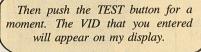


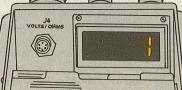


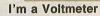


Now, dial 89 on the TEST SELECT switches, and press and hold the TEST button until the letters CAL appear on the read-out.

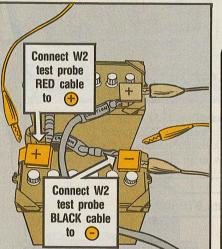
Let go of the button and I'll tell you the offset value, which should be between -6.8 and +6.8. Using this offset value is my way of self-calibrating or conditioning myself for the tests coming up.







PULL OFF



Hook up my W2 test probe cable's red clip to the battery's positive (+) terminal. The cable's black clip goes to the battery's negative (-) terminal.

Dial number 89 into the TEST SELECT switches. Then push my TEST button for a moment. My readout display will show the voltage being measured where the W2 cable is connected. Now dial 60 into the test switches and press the test button. This tells me that the VID (vehicle identification number) is coming up next. Now dial in the VID of the vehicle you are using me on.

Now hook up my W4 cable to the J2 or J3 connector on the VTM. Next connect the TK10 current probe around the positive (+) battery cable with the arrow pointing towards the starter. Make sure the probe jaws are closed.
Dial 72 or 76.

Engage the starter—with fuel or ignition shut off-for a couple of seconds. This polarizes the current probe so that the readings will be accurate. Remove the probe and hold it away from any current source.

> Hook W4 cable

> > to J2

or J3

connector

Press

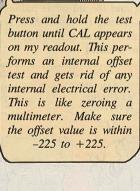
and

hold

VEHICLE IDENTIFICATION NUMBER					
Wheel Vehicle	VID	Track Vehicle	VID		
M151A2 1/4-ton	01	M48A5/M60-Series Tank	04		
M880-Series 1 1/4-ton	05	M109-Series SP Howitzer	11		
M561 1 1/4-ton (Gama Goat)	09	M110A2/M578VEH	10		
M44A2/M39A2-Series 2 1/2/5-ton	02	M113-Series Carrier	03		
M809-Series 5-ton	06	M520 GOER	08		

If the vehicle you're working on is not on this list, you cannot do the starting system test.

JUN 85



JUN 85

99

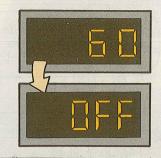
TK10 current

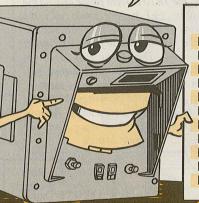
probe-arrow

towards starter



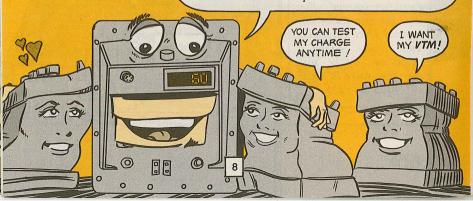
After you check the value, reconnect the probe around the positive cable arrow to starter—press and release the test button. A GO message should appear on my display. Crank the engine until I say OFF. The number that I display is the amps being pulled by the starter. It should be within the limits for the vehicle that you're working on.





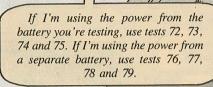
FIRST PEAK CURRENT VALUE VEHICLE M151A2 85-150 AMPS M44A2-Series 700-1400 AMPS M39A2-Series 700-1400 AMPS M110A2/M578 875-1680 AMPS M109-Series 875-1680 AMPS M520 Goer 900-1475 AMPS M113A1/A2-Series 700-1275 AMPS M561 Gama Goat 525-1000 AMPS M809-Series 800-1750 AMPS M880-Series 400-975 AMPS M48A5/M60-Series 375-975 AMPS/PR

If my readout is between these limits, it means the starting system is OK and the starter is pulling the proper amount. If the reading is outside these limits, additional testing to check circuit resistance will find the problem.



And More . . .

Any time you're troubleshooting or running a readiness check and the readings are outside the limits for the vehicle as noted on the test cards, I'm telling you there's a problem—in the starting system, with the battery, a battery cable or the starter. By following the GO-chain. I'll let you know which ones are causing you trouble.





Same Battery

Battery Charge Check

Leave the current probe around the battery cable. Dial 73 or 77 on the TEST SELECT switches... Press TEST button. When I say GO, crank your engine until I say OFF.

Separate Battery

78

Error?...

Use VTM or

TM test

cards

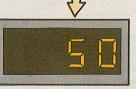
VOLTS/ONLY



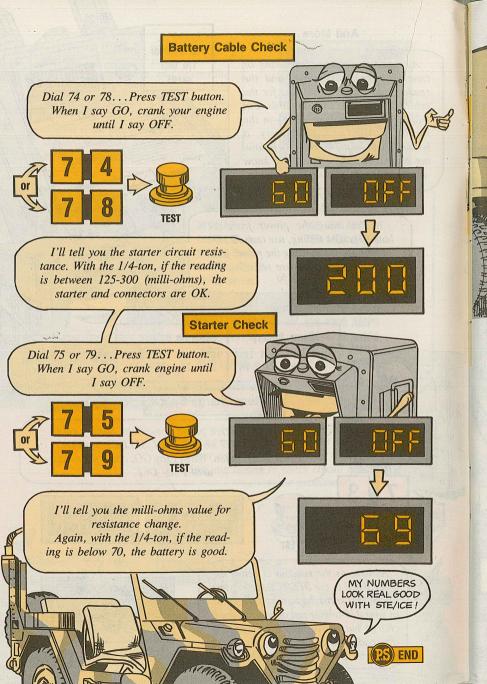


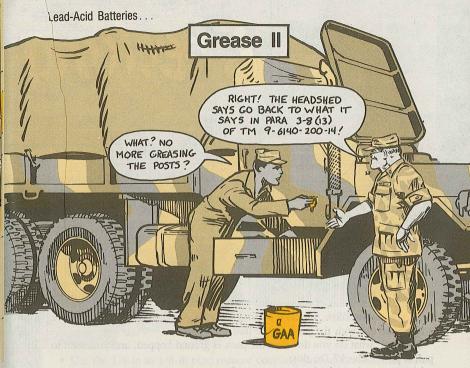


As long as the readout is below the value listed in the STE/ICE battery test cards, you know the battery series pair in your 1/4-tonner not only has a good charge but it will hold the charge. If the reading is above these values, the batteries are not properly charged.









How much grease do you use on battery posts and where do you put it? Para 3-84 of TB 43-0001-39-6 (Jul 83) says to put a light coat of GAA on the whole post—top, side and base. PS 381, Page 4, passed that word.

That's wrong! The Tank-Automotive Command now says to put the grease on after you put the terminal clamp on the post. Then cover the clamp—top, sides and bottom—with a light coat of GAA. Make sure grease gets up under the clamp. Cover any exposed cable too.

A light coat means not more than 1/8-in thick.

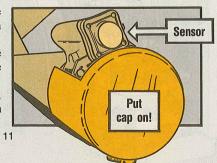
New Sensor, New Muzzle Cap

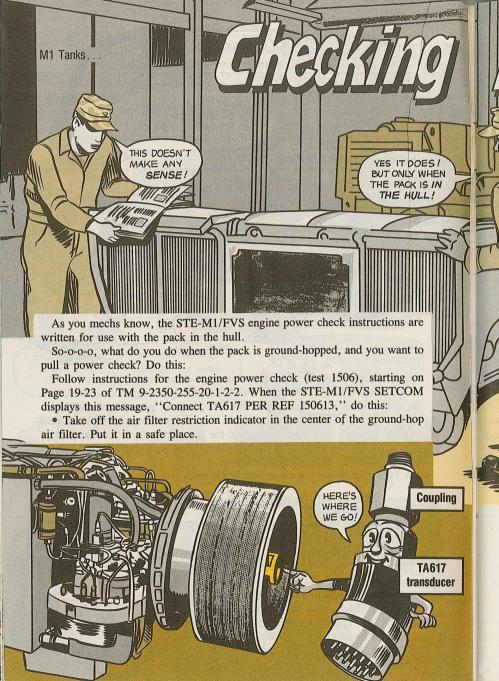
That improved muzzle reference sensor (collimator) on your main gun tube takes a new muzzle cap.

The old cap won't fit because the new sensor is larger and won't let the cap fit close enough to seal the tube.

So-o-o-o, latch onto muzzle cap, NSN 1015-01-138-4001. It has a notch cut in it to fit around the sensor.

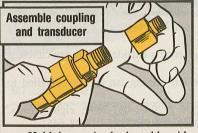
JUN 85







• Use the 1/4-in to 1/8-in pipe reducer coupling (transducer kit item 19) to attach the TA617 transducer to the nipple in the center of the air filter.

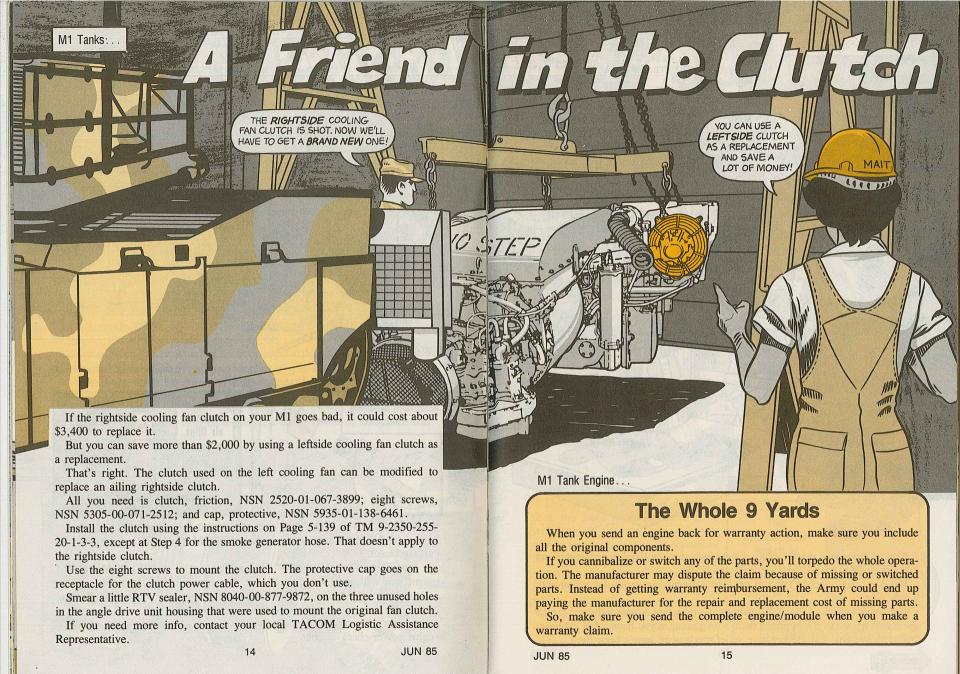


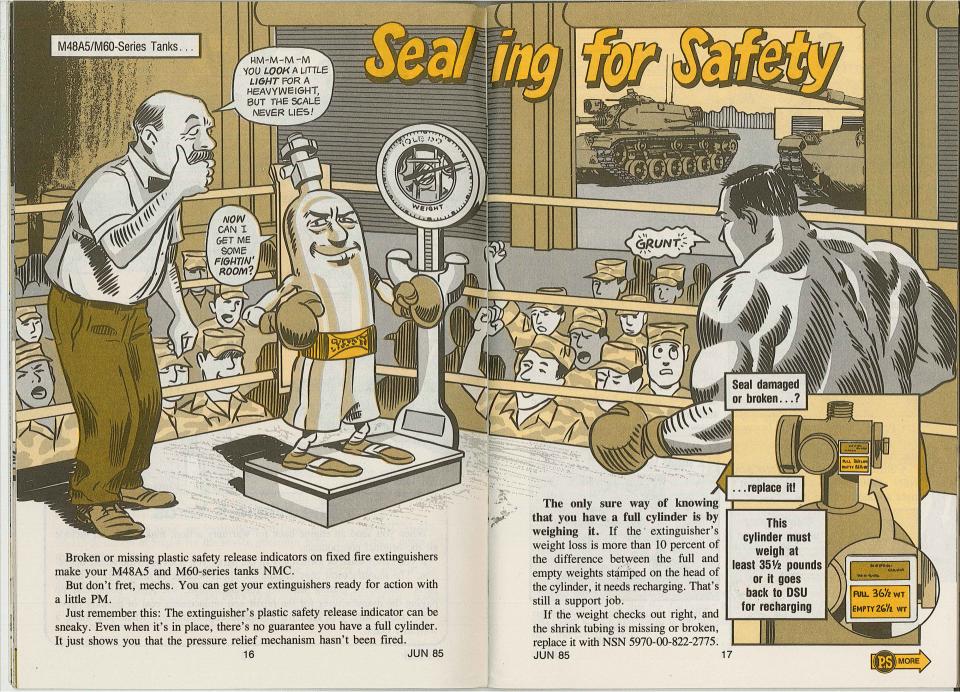


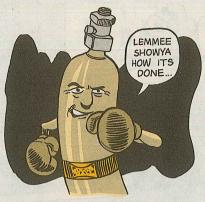
- Hold the service brake cable with a metal rod or screwdriver to engage the brakes in the transmission, when the SETCOM displays "set service and parking brake."
- Push the SETCOM's "GO" button. The rest of the SETCOM and TM instructions will make sense.

Remember—if you get a SETCOM message saying, "Faulty air cleaner/ inlet," there's a filter problem in the ground-hop kit.

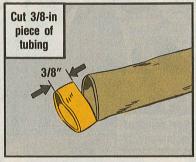
Don't forget to replace the indicator on the ground-hop air cleaner when the engine power check is done. 13



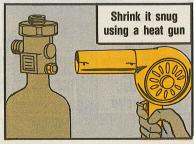




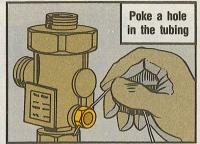
Cut a piece of tubing 3/8-in long. Make sure the tubing is cut square.



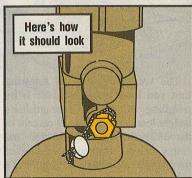
- Put the tubing over the hexagon vent nut, and push it tightly against the valve.
- Shrink the tubing with a heat gun, NSN 4940-00-561-1002, until it's tight around the vent nut.



• Heat the end of a piece of wire using a lighter or match.



- Poke a hole in the tubing with the hot wire. Be sure the tubing hole lines up with a hole in the vent nut.
- Seal the vent nut and shrink tubing with a lead seal and wire, NSN 5340-00-902-0426. Run the wire thru the shrink tubing and vent nut holes, across the top of the nut and tubing, and back thru the seal.
- · Crimp the lead seal tightly around the wire with a pair of pliers. Leave about 1/4 to 3/8 inch of wire on the seal and trim off the rest.



The fire extinguisher is good-to-go now, and the words NOT READY won't describe your tank.

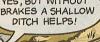
JUN 85

M48A5/M60-Series Tanks, AVLB's.

Brake Disconnect Can Disconnect



YES, BUT WITHOUT BRAKES A SHALLOW DITCH HELPS!



If your M48A5 or M60-series tank or AVLB chassis is equipped with a hydraulic brake line quick disconnect, check it! If it's not seated fully, you could find yourself with no brakes!

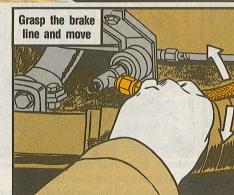
To connect the quick disconnect, you push it on and twist the collar clockwise until it stops. Then lift the collar and twist some more. When you let go, the collar should snap back into place.

If you don't do the lift-and-twist bit, the disconnect can work loose.

You'll have brakes the first few times you press on the brake pedal. Sooner

or later, tho, the disconnect works loose...and no brakes!

To double-check that the disconnect is locked properly, grasp the brake line and move it back and forth. If the disconnect backs off, twist-and-lift and make sure the collar drops.





of a lifetime-maybe their last!

If the rings fail, or are installed wrong, the crews can be stuck in an out-ofcontrol vehicle.

Help save their necks by double-checking the quick-disconnect rings right now. All rings, including new ones, need eyeballing. If the rings don't pass the inspection, hold the tank until you make the fix.

PIN LOOSE? If the pin's loose, replace the ring.

cross-threaded or stripped. If they are

damaged, replace the ring.

Take the rings off and clean them

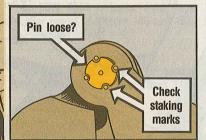
THREADS DAMAGED? The threads in the tapped hole must not be

real good so you can make the inspection. Clean the tapped hole so you can

get a close look.

HANG ON

500N!



SEE CRACKS? If you find any cracks, replace the ring.

PIVOT BOSSES BENT? If the bosses are bent, replace the ring.

STAKING MARKS IN PLACE? The marks must be on the brass and deep and wide enough to move brass over the pin.

If the stakes are on the pin, restake on the brass in four places.

If the chamfer on the brass is so large that metal won't mushroom over the pin, replace the ring.

JUN 85

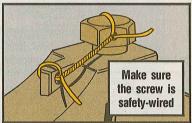
GAP .005 INCH OR LESS? With the ring closed and the screw turned finger-tight, the gap of the stop must be .005 inch or less for the ring to be serviceable. Metal-to-metal contact is preferred.



SCREW DAMAGED? If there's any damage to the screw, replace it with NSN 5305-01-042-4436.

TIGHTENED UP? To install the screw, lightly tighten with a ratchet, then torque to 10-20 lb-ft.

SAFETY WIRED? Safety-wire the screw to the ring.



For more details on quick-disconnect ring inspection and repair, get a copy of TB 43-0001-39-5 (Apr 83), Pages 2-5 thru 2-13. The info is also in Field Service Bulletin No. 31 (Feb 81). Contact your local TACOM Logistic Assistance Representative for copies.

TOW Dead

If the TOW missile subsystem on your Bradley is down, your Bradley is NOT READY/AVAILABLE.

Field Service Bulletin (FSB) No. BB84-125 (6 Nov 84) spells out the deadlining criteria.

YOU CAN GET THE FSB FROM...

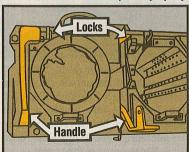
USA TACOM ATTN: AMCPM-LCV-LF Warren, MI 48397-5000

The FSB TOW checks replace Pages 2-43, 2-105, 2-106 and 2-107 of Draft TM 9-2350-252-10-2 (Aug 83) and will be included in the final version of TM 9-2350-252-10-2.

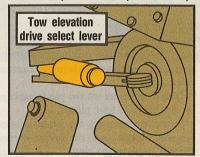
Following are conditions which make the Bradley and the TOW system NOT READY/AVAILABLE.

CHECKS NOTED ARE IN THE FSB!

1. Loading handles and their locks in launcher tubes do not operate properly.



2. TOW launcher won't raise in either manual or power mode (Check 107.1).

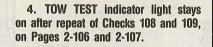




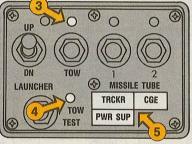
3. TOW indicator light does not come on and stay on (Check 108).

WE'RE RARIN' TO GO CAUSE WE GOT AN

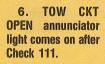
OPERATIONAL TOW!



5. TRCKR, CGE or PWR SUP annunciator lights come on after Check 110.



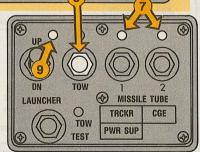
25 FDR MALF



7. MISSILE TUBE 1 and/or MISSILE TUBE 2 indicator lights do not flash when tube buttons are pressed (Check 114).

8. Indicator light does not go off when TOW button is pressed (Check 115).

Launcher does not bang against side of turret, or LAUNCHER UP indicator light does not come on (Check 116).



22

JUN 85

JUN 85

TOW CKT OPEN HATCH

AMMO SW NO FIRE 25 GUN REVERSE ZONE MALF

Samming the same

One Way Commo?

Dear Editor,

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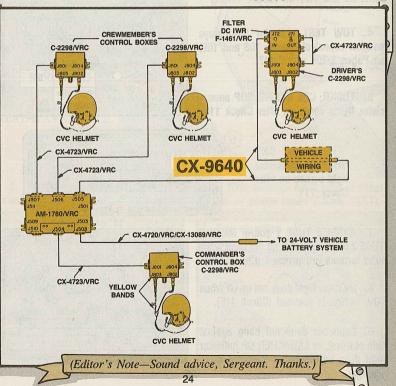
A TC in one of my unit's howitzers was complaining that while he could talk to his driver, the driver couldn't talk to him.

I checked his cabling. The problem was a CX-7060 cable assembly between the driver's control box and the AM-1780 audio frequency amplifier.

In most intercom setups, this is OK. But Page 2-9 of C3 to OTM 11-5830-340-12 added the wiring for an M109. For this system, you have to run a CX-9640 cable between the two commo boxes.

I think you should pass this along to other artillery units. They may not have gotten this word yet.

SGT J.M. Archer, Jr. APO New York
09165



M113-Series . . .

Final Drive Oil Change



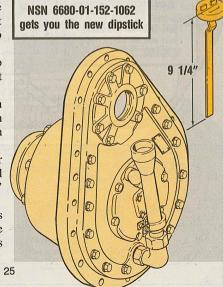
Nine pints of oil in each final drive on your M113-series vehicle (except M548's, M730's, M1015's) are too much. Seven pints are just right.

Nine pints cause pressure to build up in the case, causing oil to slop out around the fill tube.

To cut out the mess and waste, you need to drain two pints of oil from each final drive. But, before you can do that, you need new dipsticks.

The new dipstick must be used after the oil is drained to get a true oil level reading. The level is between "ADD" and "FULL" on the dipstick.

The right dipstick is 9-1/4 inches long from the end of the stick to the top of the cap. Don't include the tabs when you measure.



Small Side Pad

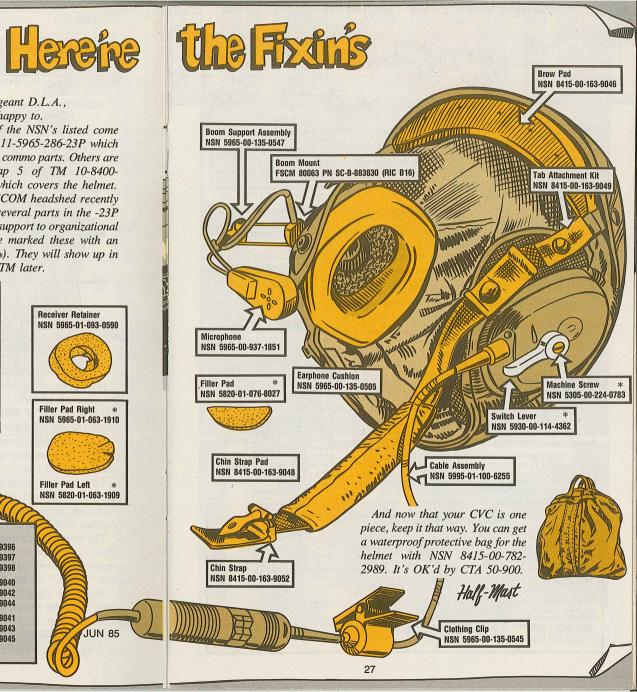
Medium

Large

NSN 8415-00-163-9041

NSN 8415-00-163-9043

NSN 8415-00-163-9045



This is a selected list of recent pubs of interest to organizational maintenance personnel. This list was made from a computer printout provided by the Adjutant General.

TM 5-2410-214-20P Feb Caterpillar D7E tractor TM 5-3810-303-24 Aug 84 40-ton

rane TM 5-4520-251-14 Oct 84 Por-

table duct-type heater, Model PH-400-G
TM 5-4610-215-10-HR Dec 84

Water purification unit, 600 GPM trailer mtd, ROWPU 600-1 TM 5-4930-230-13-HR Jan Mil

design tank and pump unit TM 9-1010-205-10 Feb 40-MM grenade launcher, M79

TM 9-1095-205-20-2 Sep 84 M128 ground veh mine dispenser TM 9-1265-201-10 Oct 84 MILES for Vulcan M163A1

TM 9-1265-207-10 Oct 84 MILES

TM 9-1265-208-10 Oct 84 MILES for Chaparral TM 9-1265-209-10-HR Oct 84

MILES for Stinger
TM 9-1265-375-10 Sep 84 MILES
for M2/M3 Bradlevs

TM 9-1270-222-10 Oct 84 MILES for OH-58 TM 9-1270-223-10 Oct 84 MILES

for AH-1S TM 9-1270-224-10 Oct 84 MILES

for UH-1H TM 9-1270-224-10-HR Oct 84 MILES for UH-1H

TM 9-1410-485-12 C1, C2 Apr Lance

TM 9-1425-475-20 Oct 84 Launcher M272, guided missile AGM-114A, (Hellfire) TM 9-1450-646-20P Jan MLRS

carrier
TM 9-2300-422-23&P Feb AOAP
Sampling Valves for nonaeronautical vehicles

TM 9-2350-252-10-1 Aug 84 M2/M3 Bradley TM 9-2350-252-10-2 Jan M2/M3

Bradley TM 9-2350-252-10-HR Aug 84

M2/M3 Bradley TM 9-2350-252-20-1-1 thru 5 Jan M2/M3 Bradley TM 9-2350-252-20-2-1 Feb

M2/M3 Bradley
TM 9-2350-252-20-2-3 Feb

M2/M3 Bradley
TM 9-2350-252-20P-1 & 2 Jan/
Feb M2/M3 Bradley

Feb M2/M3 Bradley
TM 9-2350-261-20P Jan M113A2
FOV

AUDIO-VISUAL STUFF

AUDIO-VISUAL STUFF
Available at battalion or post Learning Center

Films, TV Tapes
TF (VT) 44-6311 STINGER Past,
Property Future (16MM Film)

Present, Future (16MM Film)

TEC Lessons
010-071-6674-F Carrier-mounted

4.2-in mortar safety checks
030-051-6430-F High bank launch
and retrieval of bridge erection

boat using M812 transporter 300-081-4094-F Disinfecting water for drinking, Part I (Lyster bag, canteen)

300-081-4096-F Disinfecting water drinking, Part III (Canteen)

603-551-9552-F Replace rivnuts on aircraft

TM 9-6625-647-14&P Oct 84

TM 10-5410-225-13 Nov 84 (MUST) shelter, Model MUST-BEG-EPG

TM 55-1740-203-13&P Oct 84 Operator's AVUM and AVIM manual for transporter, airmobile, Model D761, NSN 1740-01-133-5671

TM 55-2305-001-20-1 & 2 Jan LACV-30

TM 55-1510-204-23P-3 Feb AVUM and AVIM parts and tool list, OV-1B, OV-1C, OV-1D and BV-1D

TM 55-1520-237-23P-1 & 2 Feb AVUM and AVIM parts and tool list UH-60A

TM 55-1520-240-23P-1 thru 3 Mar AVUM and AVIM parts and tool list CH-47D

TM 55-1905-220-14-10 Jan Landing craft utility (LCU)

Miscellaneous

TB 55-1510-201-20-16 Jan Insp of def MS21251 brass turnbuckles on U-8F

TB 55-1520-217-20-24 Jan Onetime insp of main rotor blades CH-54A

603-551-9554-F Replace DZUS and CAMLOC fasteners

612-051-9665-E (REV) Use of the hydraulic test stand

612-051-9684-E Troubleshooting the 645M scooploader charging system

931-031-0008-F Operation of the IM 174/PD Radiacmeter

Maintenance Advisories

AMCCOM MA 85-10—M51 Shelter System incident, AMSMC-MAR-C 181800Z Mar 85.

AMCCOM MA 85-11—Storage of CB Protective Masks, AMSMC-MAR-C 011830Z Apr 85. TACOM SOU—Operational,

M88A1, M48A5/M60-series tanks and AVLB's, M728 and SGT YORK chassis (safety hazard because of loose sprocket hub mounting hardware which could cause loss of hub, AMSTA-MCA 222300Z Mar 85.

TROSCOM MA-6HP Military

Standard Engines (MSES), NSN 2805-00-776-0483 (Model 1), NSN 2805-00-068-7512 (Model 2), AMSTR-MES 191500Z Mar 85.

TROSCOM MA—Unauthorized Use of Cover, Load Bank, AMSTR-MES 221700Z Mar 85.

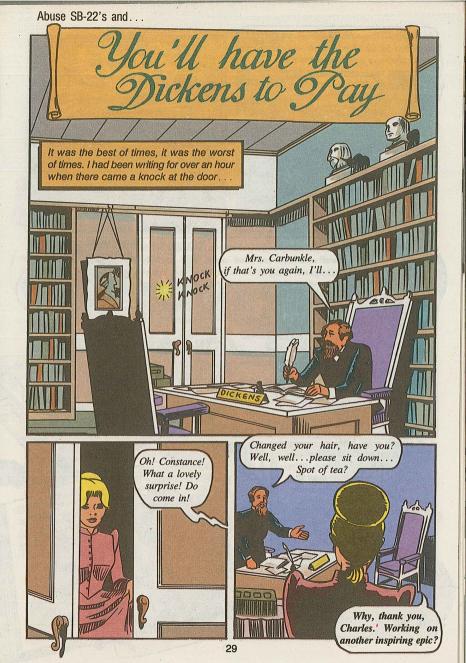
TROSCOM MA—One-time Inspection of Generator Set, AMSTR-MES 221715Z Mar 85.

TROSCOM SOU-85-01—Advisory, 18,000 BTUH Vertical Compact Air Conditioners (safety hazard during use and transport), AMSTR-MES 111400Z Mar 85.

TROSCOM SOU-85-02—Operational, 5/10KW DED Generator Sets NSN 6115-00-465-1044 (safety hazard when placed in the 120/240 volt single phase mode), AMSTR-MES 251800Z Mar 85.

AMCCOM MA SIL 1-85—Information on Supply and Maintenance of missile materiel, AMSMI-SS 1 Mar 85.

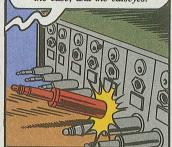
If you need a maintenance advisory, contact your direct support unit or your local Logistic Assistance Office (LAO).





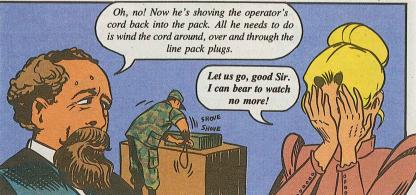
Look there. See Private Oliver, twisting and pulling that cord. Soon the wiring inside will break. He's an expert at cord abuse. He never grips the sleeves when plugging and unplugging.

He never seats the plugs carefully, but lets them fly back where they bang on the case and damage themselves, the case, and the catseves.



pressure is all that's needed to insert the plug, but he jams it in with the heel of his hand. See how his rubHe could still save them by cutting them back and tapering the ends. But he won't! Why, the man never even cleans his plugs. He doesn't realize that even a little dirt can down a delicate SB.







He only looks at the batteries when he's not getting power. And then, does he remove the case with care? No! He knows to put his index fingers on the ends of the battery case caps and...

...to gently tug and roll the battery case out evenly. He knows, but does he heed? Nay. He jerks it out, springing the battery case contact clips and the spring contacts.



Look at him now. He's throwing away all four batteries. He doesn't know that the drain on the batteries is different.

He doesn't care that two of the batteries power the headset phone and two power the operator's board. The batteries in the phone aren't as drained as the ones in the operator's panel. There's life left in both, if he would just switch them. Reversing the case would give him enough power

case would give him enough power to complete the mission. But no, he throws all four batteries away. Such a shameful waste.



Ah, here we have Specialist Copper, fielding his equipment without a ground.

He even had the plastic case with the ground strap already attached.

All he must do is fasten the strap to a ground. A simple thing for this mortal to do, and yet one that is so life saving.

Now look at him. He has stacked two SB's.
The bottom one is grounded, but he has neglected the one on top.





It's a curiosity how his SB has survived this long. See how he abuses his designation strip and traffic diagram.











How true. Let's look in on Private Barnaby.
He's rude to his equipment. He slams, jams, and rams his packs in when an easy push is all they need. His abuse has broken receptacles and pins, and his packs no longer make contact.



Look at the headband—bent, dirty, cracked and mildewed.
The diaphram is cracked, the connector has bent pins, the cord is frayed and wires are exposed.



And when he's through, does he pack it away carefully? No, he stuffs it in the cover and then jams the cover down.

The result—a broken headset and mangled plugs.

Oh no, what next?

He's banging the catseyes. They're stuck. Soon he'll break one. It all could have been avoided with a small magnet to roll the eye

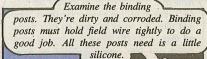


Yes, we have only explored the opening chapters of this horror story. Look at this poor switchboard over here...its captive screws are loose and some are missing...



JUN 85

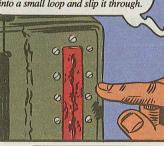
the jack reel; and the handle's bent on the hand generator. Look at that case. The rivets have been jerked from the locks. All the latches are bent or broken. The straps are frayed and mildewed.







Now look at the gasket. They've let it dry rot. They've poked holes in it by ramming the wire through when all they had to do was bend the end into a small loop and slip it through.





I will tell them to treat it like the valuable piece of equipment that it is. I will spread the word that they too can change. That it is not too late to save the SB-22's.



Lube the Landing Gear

I'VE BEEN FEELING-UNFULFILLED LATELY.

Dear Half-Mast,

I see a lot of landing legs on M172 or M172A1 lowbed semitrailers that are not filled with oil.

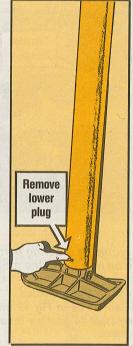
The lube chart on Page 4-2 of TM 9-2330-211-14&P (Sep 84) has the word.

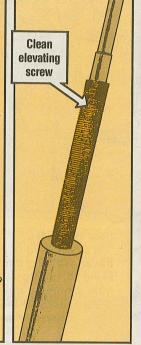
The oil lubes the elevating screws and helps keep the legs moving up and down.

To make sure the oil's there, mechanics should remove the lower drain plugs on the legs.

If there's no oil, they should clean the legs like it says on Page 4-144 of the TM and fill with oil.

Your Friendly LAR Ft Boondocks

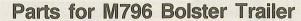


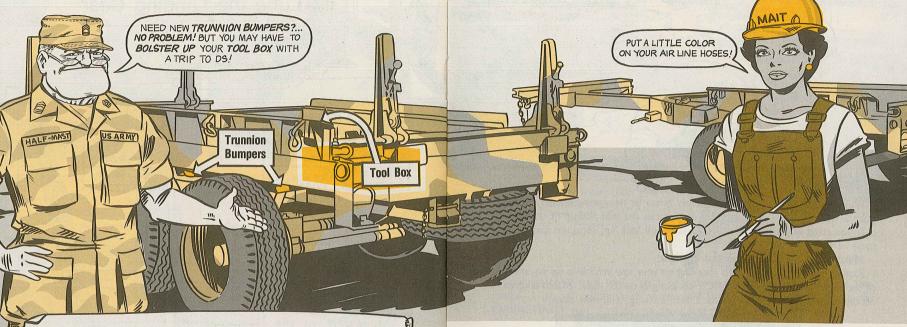


Thanks for the reminder. When the elevating screws are lubed, drivers will be able to crank the legs up all the way easier—and keep the legs from being bent during cross-country travel.

Half-Mast







Dear Half-Mast,

We have a lot of problems ordering parts for the M796 bolster trailer. We need info on how to get the rubber trunnion bumpers, in Fig 24, on Page 41, of TM 9-2330-287-14. These keep the trailer from slamming down on the shackles.

We also need the tool box in Fig 12 on Page 12. We appreciate any help in getting these items.

SGT B.R.R.

Dear Sergeant B.R.R.,

NSN 5340-00-075-9147 is for the trunnion bumper.

As for the tool box, there's no stock number. You can't get one. So have your DSU repair the tool box you have or get 'em to fabricate one. If you need the manual container, get it with NSN 2540-00-388-9985.

Half-Mast

You say you extend or retract the reach tube—tongue—on your M796 or M796A1 bolster trailer without disconnecting the air hoses and electrical connector? And you haven't damaged the lines...yet? Well, you've just been lucky!

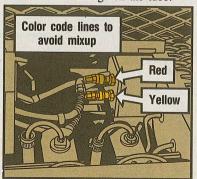
Fact is, it's real easy for those lines at the rear of the reach tube to hang up when you adjust the reach tube length.

Disconnecting the lines and cable is called for on Page 2-23 of TM 9-2330-287-14&P.

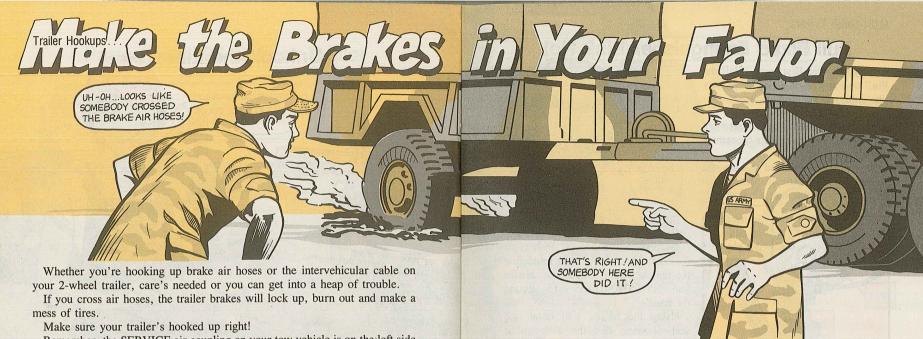
When you hook up the lines again, don't mix up the SERVICE and EMER-GENCY lines. If the lines are crossed, the brakes will lock and you can't move out.

JUN 85

To make sure you don't cross them, put a dab of red paint on the EMER-GENCY line and yellow paint on the SERVICE line. Then match them to the labels on fittings on the tube.

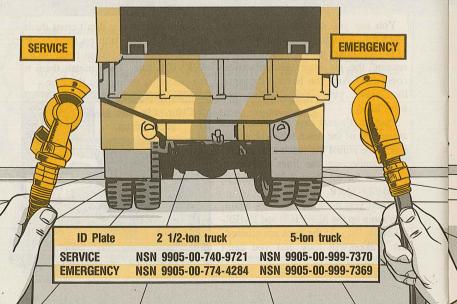


Unhook the Lines!



Remember, the SERVICE air coupling on your tow vehicle is on the left side of the frame and the EMERGENCY coupling is on the right. Match couplings

according to the truck's ID plates. Plates missing? Get new ones:



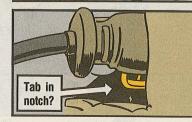
You can color-code trailer air hose connectors and the tow vehicle's couplings—a dot of yellow paint on the SERVICE connectors and red on the EMERGENCY pair. Use dirt to cover 'em when it's camouflage time.

Care for a Cable

Before you push the intervehicular cable connector into the truck's receptacle, line up the connector's keyway with the receptacle's key or nub. If the connector keyway is too snug, spread it by gently twisting a screwdriver in the slot. Using force can bend or break pins.

Whenever the pins do get bent, straighten 'em with needlenose pliers. If any of the pins have been pushed down into the plug, use the pliers to gently pull the pins back out even with the others.

When the connector is pushed into the receptacle, make sure the receptacle cover tab fits firm in the connector notch.



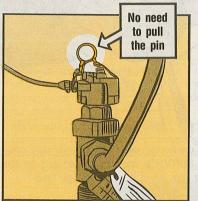
Pins bent?

Pull Fixed Extinguisher Pin? No!

As you were! Disregard "Pull the Pin" on Page 24 of PS 377—and any like info vou've seen or heard anywhere else.

You do not need to pull the fixed fire extinguisher's pin to operate the remote emergency handle.

This means the pin and seal are still in place when the extinguisher has been discharged—a false sign of security.

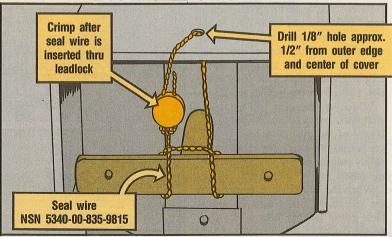




But here's a fix to beat that problem: Have your mechanic drill a 1/8-in hole-centered-about 1/2 inch from the outer edge of the cover protecting the remote handle. Then wrap a wire seal-NSN 5340-00-835-9815-around the handle.

Using the handle will break the seal-showing that the extinguisher needs recharging. Get it rechargedright now!

Info on inspection and servicing of fire extinguishers is in Chap 8 of TM 9-2330-272-14&P.

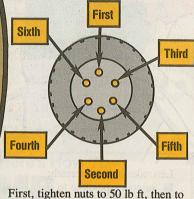


42

Electronics Van... Get Wheel Nuts Right! ME FIRST! T00 TIGHT I'M NEXT!

Loose...too tight...tightened in the wrong sequence. Any of these is wrong for wheel lug nuts and stud nuts on your M348-series, M373-series, XM1005 or XM1007 electronics semitrailer van.

The tightening sequence is:



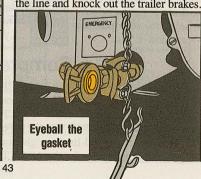
450-500 lb ft. These instructions will be added to TM 9-2330-246-14&P.

Cover Those Couplings

If your truck or trailer has air brake quick disconnect couplings, NSN 4730-00-595-0083, be sure and keep the cover, NSN 2530-00-270-3878, on the coupling when it's not in use.



When it's left off, mud and grit can get into the coupling. Then when you hook up, dirt can damage the gasket, NSN 5330-00-090-2128, so it won't make a snug fit. Or, dirt can get into the line and knock out the trailer brakes.



JUN 85



Lets take it from scratch:

Sure, it's possible to open—and close—the tailgate with the window only partly down. But then the window doesn't have enough support—and the shock of slamming or dropping the tailgate shatters that tempered glass into a zillion tiny pieces. So always roll the window down completely before opening or closing the tailgate.

If you keep turning the crank when the window's closed, you'll tear up the cranking gear. So when the crank stops, you stop! Then turn the crank backward (counterclockwise) to the stow position—and stow it.





M911 Compressor & Filter

All M911 tractor trucks use a 15.5 CFM air compressor, NSN 4310-01-102-8298. They do not use the 12 CFM compressor listed for Item 1 in Fig 74 of TM 9-2320-270-20P. And that 15.5 CFM compressor uses a round filter element, NSN 4310-00-487-2769, not the block-shaped job shown as Item 7 in Fig 75. A -20P update will list the right compressor and element along with other Org Maint repair parts for the 15.5 CFM compressor.

Battery-Charging System . . .

25- to 60-Amp Switcheroo



THERE'S NO NEED TO RESORT TO MAGIC, JUST USE YOUR TB!

There's no magic in changing your truck's 25-amp charging system to 60-amp.

When the 25-amp system can't be repaired, your mechanic makes the switch using these instructions:

—For 1/4-ton truck, Pages 2-16 thru 2-20 of TB 43-0001-39-8 (Jan 84).

—For 2 1/2- and 5-ton trucks, Page 3-8 of TB 43-0001-39-2 (Jul 84).

Get a Jump Start Decal

A reminder to hook up batteries right for jump starting is free for the asking.

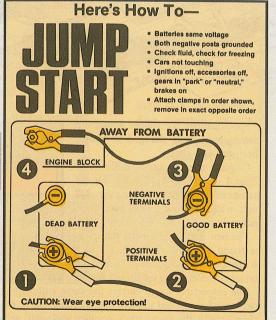
Get this 4 1/2-in by 5 1/2-in red and white stick-on label by calling the Army Safety Center, AV 558-6483 or -2062, or write to:

Commander U.S. Army Safety Center ATTN: PESC-M Ft Rucker. AL 36362-5663

Stick the decal near the battery.

Never use jumper cables to start the CUCV or M939 5-ton truck. These vehicles have a NATO slave cable hookup. For emergency starting, use only the slave cable in the No. 1 or No. 2 Common shop set.

JUN 85



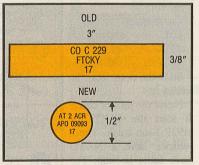
Inspection Stamp Specs Revised



Specifications for rubber inspection stamps have been changed to reduce their size and shape.

Original specifications, outlined in Chap 4 of FM 55-411, called for the stamps to be square or rectangular, 3/8 inch wide and not more than three inches long.

The new specs call for the stamps to be round and no bigger than 1/2 inch in diameter. The old stamps blotted out too much information on aircraft forms.



JUN 85

The inspection stamp carries the same authority as an inspector's signature and must be guarded against unauthorized use at all times. The stamp should include only the inspector's number and unit designation. The revision to FM 55-411 is not scheduled for publication until Fall 1987, so make a note.

Scheduled Special Inspections...

"Due" Time Does Not Change

Your DA Form 2028's have done it again! Prompted a change, that is.

Pages 3-3 and 3-4 of FM 55-411, Army Aircraft Quality Control and Technical Inspection, are being updated to provide clear guidance on prescribed intervals between special inspections.

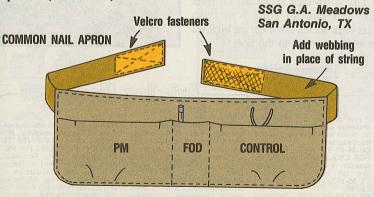
Until the revision is published, go by the word in Para 2-3b(5) of TM 55-1500-328-25, for scheduling special inspections. It says scheduled special inspections that are performed early do NOT change the "due" time of the next scheduled special inspection.



Clean Up Your Act

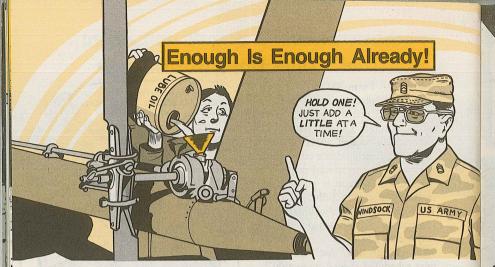
Dear Editor.

Here's a handy aid to help control FOD. Modify a common nail apron by replacing the tie strings with webbing, NSN 8305-01-062-7050, and add fasteners, NSN 8315-00-106-5974 (pile) and NSN 8315-00-106-5973 (hook). Use the apron to hold small tools, pencils, hardware, etc.



(Editor's note—Looks like you hit the nail on the head! A ready-to-use alternative is the construction worker's apron, NSN 8415-00-273-9664. CTA 50-900 is the authority.)

JUN 85



More is not better when it comes to lubricating the OH-58A/C tail rotor gearbox. Overfilling causes oil leakage. Then tail rotor trunnion bearings suffer. They wear faster and have to be replaced sooner.

So, Kiowa mechs, eyeball the gearbox sight gage. Add just the right amount of oil. Add a little at a time and let the level stabilize. Add a little more, if needed, to get the right indication on the sight glass.

That's 1/8 inch above the oil level line with standard gear. When high gear or floats are installed, the oil level should be even with the line.



Cat 1 EIR Phone: AUTQVON 693-2066 (24 hours)

If your unit has not received a message you have an interest in, check with your next higher headquarters.

CH-54-85-01, SOF, Technical RCS CSGLD-1860, one-time inspection of CH-54A/B for defective tail rotor Servo links, TB 55-1520-217-20-25, 251400Z Feb 85.

CH-47-85-01, SOF, Technical RCS CSGLD-1860, inspection of horizontal pin bearing installation of CH-47C/D with fiberglass rotor blades (FRB), TB 55-1520-241-Aviation Messages-

20-30, 151545Z Feb 85. UH-60A-85-01, SOF, Maintenance Mandatory, BLACK HAWK, one-time inspection stabilator amplifiers for locking potentiometers, P/N 02001-041, -042, -043, -044, -045 (TB 55-1520-237-20-60), 081745Z Feb 85. UH-60A-85-02, SOF, Mainte-

UH-60A-85-02, SOF, Maintenance Mandatory, to change autorotation RPM limits on the UH-60A, 221700Z Feb 85.
UH-60A-85-03, SOF, Maintenance Mandatory, BLACK HAWK,

48

one-time inspection and replacement of stabilator amplifier, P/N 70902-02001-044/-045 (TB 55-1520-237-20), 282000Z Feb 85. AH-1-85-01, SOF, Technical, AH-1, TAH-1 and TH-1, and recurring one-time inspections of swashplate bearing, lubrication and interval of bearing inspection (TB 55-1520-244-20-6), 282145Z Feb 85.

MIM-CH-54-85-01, CH-54A/B Engine torque indication, 041810Z Feb 85.

JUN 85

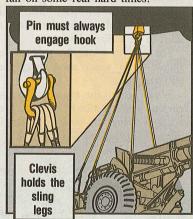
Sling It by the Book

Slingloading equipment from a helicopter can be risky business if it's not done right. And right means by the book!

Some ground crews have been turning the apex fittings on slingloading gear upside down. They say their loads hang better that way.

But FM 55-450-1 specifically warns against reversing the fittings. Reversing the fittings will increase the chance of the pin breaking under stress.

The pin must always engage the aircraft hook, while the clevis holds the sling legs. Don't try to second-guess the experts—you and your load could fall on some real hard times!



AH-1S (MC) Cobra...

New Repair Kit Available

There's a new repair kit available for repairing damaged or broken cowling nut plates on the IR suppressor.

The kit, NSN 1560-01-154-7053, includes one bolt, one washer, a self-locking nut plate, a plate assembly and two blind rivets. It makes the job of repairing damaged nut plates a lot easier.

JUN 85

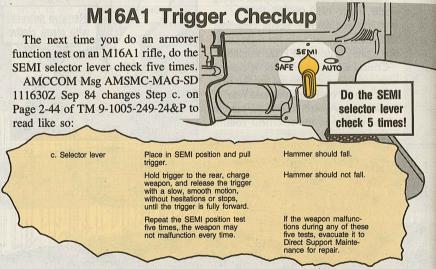


Go for no more rips, gouges, tears and injuries caused by the locking spring pin in the M15A2 blank firing attachment.

TB 43-0001-36-5 (Apr 84) gives the OK to switch the spring pin to the pull ring used on hand grenades.

Para 4-2b, Page 4-1 of the TB approves use of hand grenade pull ring, NSN 1330-01-117-5280. Discarded pull rings from grenade practice ranges can be used, or new rings can be requested. Para 4-2b(2)(e) tells armorers how to install the rings.

The M15A2 BFA is used with the M16/16A1 rifle and M249 machine gun.



The test checks for worn parts. If parts are worn, the rifle can fire accidentally when the trigger is released. That could be dangerous.

If a rifle fails the test, it could kill or injure riflemen when fired. Get it fixed! 52

M16A1 Rifle ...

Chrome/Phosphate Parts Mix

Back in the days when the M16A1 rifle was young, it was dressed up with good-looking, long-lasting, chromeplated bolts, carriers and parts.

Just one little problem: Sunlight had a way of reflecting off the chrome... and gave positions away.

So, phosphate-coated bolts and carriers made the scene. They cut down sunlight reflections.

Phosphate coating reduces sunlight reflections



The revised TM 9-1005-249-24&P banned chrome-plated bolt assemblies for rifles in division combat units. The chrome was OK'd only for training units and division non-combat units.

That brings us to today.

TB 43-0001-36-8, due out any time now, clarifies the ban.

• Division combat units and over- misfire and hurt or kill you.

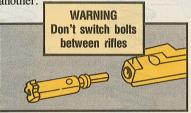
seas units must use phosphate-coated bolt carriers.

 Units in CONUS and Alaska can use chrome-plated carriers. But before going overseas, every unit must replace chrome-plated bolt carriers with phosphate-coated ones.

Fight, Don't Switch

Now that your attention is "bolted," hang on this:

All of the rifle's TM's warn against switching bolts from one rifle to another.

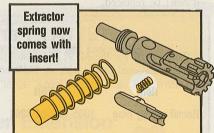


Each bolt must be headspaced by DS to the rifle it's used in. If the bolt's not headspaced right, your rifle can

Update Extractor Spring

You armorers need to replace all early type extractor springs in your M16/M16A1 rifles with the new spring ... which comes with an insert. It's listed as NSN 1005-00-760-3768, spring assembly, on Page C-9 of TM 9-1005-249-24&P.

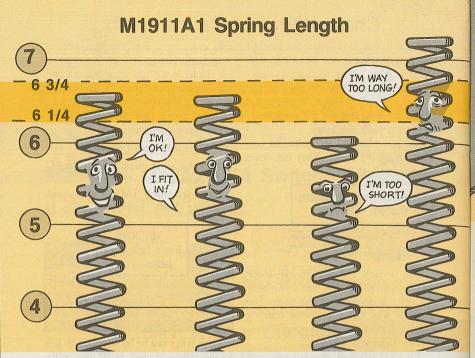
An upcoming change to Page 2-21 of the TM makes replacement of the old spring a must.



M16A1 Cover Is No More

Plastic protective cover, NSN-1005-00-809-2190, is no longer available. That cover fit only M16A1 rifles with a 20-round magazine. No cover will be supplied to fit rifles with 30-round magazines.

JUN 85



Serviceability length of the M1911A1 pistol's recoil spring in C1 to TM 9-1005-211-12 has been reduced.

Page 6-2, of TB 43-0001-36-5 (Apr 84) says the spring can be no more than $6\,3/4$ inches or less than $6\,1/4$ inches free length (not compressed). Otherwise, it must be replaced.

M1911A1 Parts Switched

Three parts for the M1911A1 pistol have been moved from Direct Support to organizational level, with an SMR code of PAOZZ. They are: Item NSN Recoil spring plug 1005-00-501-3201 Recoil spring 5360-00-501-3200 Spring guide 1005-00-600-8597 TB 43-0001-36-7 Oct 84 has the word.



Need a flash suppressor for the barrel of your M85 machine gun? Cannibalize!

The NSN for the suppressor was dropped for lack of demand. Then along came MILES (Multiple Integrated Laser Engagement System), which required removal of suppressors to install M20 blank firing attachments. Suppressors got lost or damaged, which created a new demand.

The suppressor, NSN 1005-00-123-0466, will be put back in the supply system, but that's going to take time.

Meanwhile, if you need them, cannibalize suppressors from shot-out barrels. Also, if you use MILES, be careful removing and installing the suppressors—and tag them with your weapon's serial numbers while they're off the barrel.

There's an expensive route you can go if you're in a crunch. You can request NSN 1005-00-463-4616, which gets you a new barrel with suppressor installed. Use your old barrel with the MILES' BFA.



NSN 1005-00-463-4616 gets barrel and suppressor

The suppressor NSN will reappear in the Army Master Data File when the item becomes available again.

M85 Trigger Extension

Use NSN 1005-01-040-8836 to get the trigger extension for your M85 machine gun. It replaces NSN 1005-00-064-5139 shown as Item 4, Fig C5 of TM 9-1005-231-25.





Dear Macon.

I've found a new way to store and protect my small commo parts and accessories. I use interlocking seal bags.

They're great for storage. Since the bag's clear plastic, I can tell at a glance what's inside and how many there are. The tight seal keeps dirt and moisture away from handsets, headsets, microphones and cables.

My only problem is getting them through the supply system. Are there NSN's for the bags? How about different sizes?

SSG D.G.S.

Dear Sergeant D.G.S.,

Good idea, good questions.

Those bags will protect almost anything—notebooks, log books, small parts, cleaning kits, pubs, whatever fits.

Here's a list of available sizes:

Size (inches)	Quantity	NSN 8105-00-837
4 x 4	1,000	7753
6 x 6	1,000	7754
8 x 8	1,000	7755
10 x 10	500	7756
12 x 12	500	7757

Appendix A of CTA 50-970 gives you the OK to order the bags.



AN/PRC-77 Antennas . . .

Know How to Fold Them TAKE IT FROM THE TOP ... "YOU HAVE TO KNOW WHEN TO HOLD 'EM, KNOW HOW TO FOLD 'EM ..

> Your backpack radio antennas won't stand tall next time if you break their backs when you put them away this time.

Your AT-892 blade antenna folds one way—toward the concave (scooped) side. If you force it toward the convex side, you'll put a permanent kink in it or snap it off.

Take it from the top when you collapse your AT-271 whip antenna.

The cord inside the whip that keeps it straight connects to a spring in the base.

Taking the antenna apart from the top relieves the stress on the spring. Pulling on the base increases the strain on the spring. Too much force will spring the spring or break the cord.

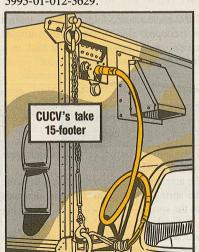
If the cord does break, your org repairman can replace it. New cords are NSN 4020-00-281-8439.





You have to switch more than trucks when you move your AN/GRC-142 or -122 radio teletypewriter set to your new CUCV.

For starters, you need a longer CX-10463 power cable. The 9-ft model was fine for your M884 truck. Your M1028, tho, takes a 15-ft cable, NSN 5995-01-012-3629.



Then you need the shorter S-250 shelter sling assembly, NSN 3940-00-115-6380, to tie down either the S-250 or the S-318. The -318's sling is too long. The commo headshed OK's the switch.



Brushing Up

THE RATT FIT, AT THE RATT TIME, IN THE RATT PLACE

> Need new brushes for the exhaust fan motor in your AN/GRC-142 or -122 plain or A thru C model radio teletypewriter set?

> No sweat. If your fan was made by IMC Magnetics, get new brushes with NSN 5977-00-686-4476. If the fan was made by the Rotating Components Division of Instruments Systems Corp. or Aeroflex Laboratories Inc, order with FSCM 02598 PN 323-01. Use Routing Identifier Code (RIC) B16.

You org mechs replace bad brushes during quarterly services, per Table 5-1 of TM 11-5815-334-12.



Finally, your M884's dunnage has

The dunnage stays 97 1/2 inches

to be trimmed and a tailgate added to

long, but the width has to be shaved

three-quarters of an inch (to 50 inches)

your CUCV to secure the shelter.

Your org shop can add the tailgate, NSN 2510-01-155-5857. Mounting hardware is shown in Fig. 125, TM 9-2320-289-20P. It'll come with M1028's in the future.

If you're building your dunnage from scratch, see SB 11-640 for dunnage on the M884, and make the size changes.

JUN 85



58



Tag It TACFIRE

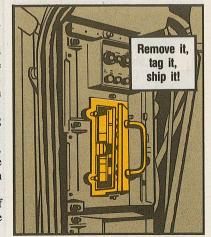
Out with the bad, in with the good it's substitution of parts that keeps your fire direction system on the go.

It's up to you to keep the good parts coming by getting the bad ones to the repair shop ASAP.

Do it by tagging the bad parts with "TACFIRE" in big, bold letters. That's the word from CECOM Msg AMSEL-MMD-R 021453Z Nov 84.

Your tag doesn't have to be fancy, just noticeable. That message will make sure the part gets priority handling on the way to, and at, the repair depot.

Keep markings off the part itself, of course. Mark the shipping box, or tape or tie a piece of paper to the item.



oil on the spline. Send the Tape Remember to send the compensation tape along with any component of your AN/MSQ-103A or -103C receiving set that goes in for repair. There are 14 tapes. Each tape mates its component to the rest of the system by compensating for electrical difference. To find the AN/MSQ-103A
Mic Receiver Band 1
Compensation Tape
Part Number 0172-1-1201tape you need, just match the part number on the component with the Matches component serial number number on the tape. START END OF TAPE TAPE IDENTIFICATION LABEL Without your tape, depot maintenance Commander will have to make a new tape. That takes **USAEMRA** time and costs more money. If you have a question about a tape. Call AUTOVON 249-6703/6704/

Write-Heading for a Fall

I'M LOOSE

WITHOUT JUICE!

Thru with your digital plotter map? Don't shut the

power off until

you've lowered the

If you don't lower

it, it drops on its

own. That means

If you forget, and you see the head dropping, don't

grab the spline. The head can do bigtime damage to your hand, or your hand will leave dirt and

Write

head

Spline

write-head.

damage.

JUN 85

6705 or write to:

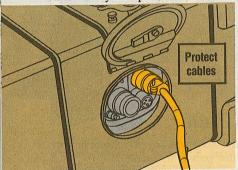
ATTN: SELEM-ME-E-M **Vint Hill Farms Station** Warrenton, VA 22186-5141



IT'S AN OPEN AND SHUT CASE BUT BE CAREFUL!

Every time you open or shut the case on your communications terminal, something is "at risk."

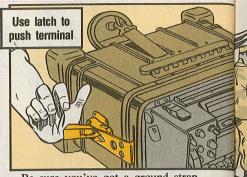
Usually, it's the power and data cables which feed through the case's rear panel door. If you're the least bit careless, a cut or crimp will KO a cable-and your operation.



Give the cables a hand. Guide them when you open or shut the case. Reinforce them with tape. Friction tape, NSN 5970-00-644-3167, will do the job.

The latches and case can also take a beating. Some troops use a screwdriver or other prv bar to crack the case open once the latches are released.

A better way is to use the latches to pry open the case. Once they're released, just slip the latches back inside their slot and push. That moves the case far enough to let you pull it open easily.



Be sure you've got a ground strap attached between the UGC-74's GRD terminal and an earth ground or the shelter's rack.

Use stranded, insulated wire no smaller than 14 AWG, NSN 6145-00-578-7516 will do.

The strap should be at least 8 inches long, too. If not, it or the terminal can break when you pull the set out of its case.

Protect your keyboard. Slip the cover assembly back on when you're getting ready to move the terminal or





Time for a Short One

Tired of having a 3-section R-442 receiver antenna waving from the side of your vehicle?

Then use a single AT-1095 section, NSN 5820-00-856-2728. That's the top section of your AS-1729 antenna.

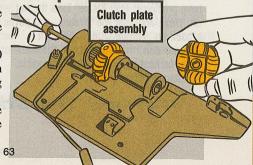
The headshed has approved a switch to this setup. It's shorter, cheaper and easier to install. Best of all, you won't lose any performance.

R0-526 PMCS Update

When the clutch assemblies on the card punch/reader-interpreter for the DAS-3 get dirty, the cards jam.

The PMCS in TM 11-7040-200-10 and -23 call for a semiannual clutch cleaning. Turns out that's too long an interval.

The headshed now says to clean the assemblies monthly. Changes to the TM's are on the way. **JUN 85**





Sprocket Hub Tighten-Up

Loose sprocket hub mounting hard-ware can cause the hub to break away from the final drive on your M88A1 recovery vehicle, M48A5 or M60-series tank—or any vehicle based on the tank chassis, like the SGT York.

Look for shiny areas around the nuts or rust at the nut area. If you find any, the hub is moving.

Check the tightness of each dowel nut or nut and bushing using the PD1201 torque wrench and tighten to 450-460 lb-ft. Do not loosen the nuts before checking tightness.

If the nut moves, you've got problems. The word on what to look for then, and how to do the repair work, is in TACOM Safety-of-Use Msg AMSTA-MCA 222300Z Mar 85.

If the nut doesn't move, you may still have problems. Play it safe. Take the nut off, clean and lube the threads, and put it back on. Torque to 450-460 lb-ft.

If you don't have a copy of the message, contact your local TACOM Logistic Assistance Representative.

DA Form 2408-9 Deletions

You're in for a pleasant surprise when you check Appendix E of DA Pam 738-750 in Maintenance Management UPDATE 6.

The requirement to fill out a DA Form 2408-9 for acceptance, transfer, loss or gain on a lot of equipment has been dropped. That means less paperwork. You can return the favor by keeping the DA 2408-9's you do send in readable, accurate and up-to-date.

Equipment requiring DA 2408-9 Usage or Registration reports isn't affected by the change.

Slow Down Toggle Switching

Give your AN/UYQ-10 plasma display's power switch a rest between "toggles" or it'll fail you.

You can still use the switch to reset the host computer logic, just do it less often—about once each 15 seconds.

If you switch it more often than that, current building up between switch contacts will arc, killing the switch.

Would You Stake Your Life high now

M911 Circuit Breakers

Use NSN 5925-01-058-4970 to get a 15-AMP Circuit Breaker for your M911 Truck.

The 20-AMP Breaker comes under NSN 5925-00-643-5070. These are items 21 and 22 of Figure 22 in TM 9-2320-270-20P.

CAT CCE...

Air's OK, Too

Either nitrogen or compressed air is OK for refilling the tires on your M130G grader, M950B scoop loader or M621B scraper. The commercial manuals call for nitrogen only. But if it's not available use compressed air. TACOM Msg AMSTA-MVB 191803Z Feb 85 has the word.

Adios to Quarterlies

How 'bout that! No more quarterly services for combat vehicles! TACOM Msg AMSTA-MCA 242100Z Jan 85 has the word. If your local command OK's it, you just skip any quarterly called for and go with the semiannual and annual services.

Idling's a No-No

Hold one on following the 10-KW generator set shutdown info on Page 47 of PS 389. Instead of idling the set for 3-5 minutes, you should run it at rated speed with no load for 3-5 minutes as we've said many times before. Idling can wreck your set's exciter, voltage regulator or rotor rectifier diodes.

Bradley Cannon Shots

Here's an update on the Bradley M242 cannon feeder tip on Page 13 of PS 387. You can replace the feeder by itself. However, if the receiver goes bad, you turn in the entire cannon.

The headshed has decided the preferred way to install the M240C machine gun feed tray is shown on Page 3-30, TM 9-1005-313-10. Just set the feed tray in place instead of installing the back first. Go with the TM instead on Page 14, PS 387.

Only One 2408-9 to MRSA

Para 5-6d of DA Parn 738-750 tells you to send the NMP copy of #1 of DA Form 2408-9 through your local data reduction center to MRSA. Once you've sent the form to the center, you're done—no need to send a second copy of the form directly to MRSA. The duplicate only creates extra work for the data processing types.

Thumtug Hotline

If you have maintenance, supply or operational problems with Thumtug (THM-TG, target holding, mechanism, tank gunnery), call:

AUTOVON 238-7693 Commercial (717) 263-7693

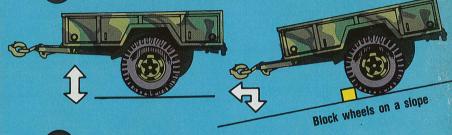
That'll get Letterkenny Army Depot and the Thumtug info center. Thumtug's TM is 9-6920-442-12&P (Nov 83).

the Condition of Your Equipment?

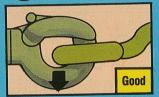
Prevent Tip-back!

Before you unhook your 2-wheeled trailer...

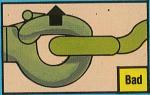
1 Park on level—or slightly nose-down



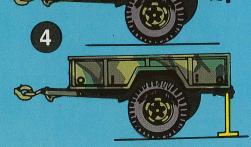
2 Make sure lunette presses



down in tow pintle



Move cargo forward, if needed



Add insurance rear support leg

(1 1/2-Ton) NSN 2590-01-026-4179 (3/4-Ton) NSN 2590-01-179-9080