

COMBAT SERVICE SUPPORT:

and other units it supports. That's issue maintenance supplies to you mission: to order, stock, store and Your DS supply outfit has one

for its mission – combat! fit's equipment will be kept ready get whatever you need so your outit made, but it'll see to it that you cannibalize, borrow, trade, or have ever best it can. It may have to for providing what you need, how-Supply support is responsible

州州州

DECREASES OR TELL SUPPORT QUICK ABOUT DELETIONS INCREASES NO LONGER SUPPLIES REQUESTS CANCEL NEEDED ARE WHEN DEMAND RECORDS KEEP GOOD AND YOUR PLL UP-DATED STOCK TEVEL HOW ABOUT CRYSTAL BALL-DON'T HAVE A TEAMWORK A LITTLE HEY, WE

tent and fade away. team-work. Without it, the supply support outfit may as well fold up its Supply support is there to support, and they know it. But it takes

combat ready. Do your part, and your DS supply outfit will do theirs . . . to keep you



issue No. 219 1971 Series THE PREVENTIVE MAINTENANCE MONTHLY

IN THIS ISSUE February

on Test COMBAT SUPPORT

6, 17, 18, 19, 6, 27, 37, 40, 42 and 59,

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DA 2408-15 48 AIR MOBILITY OH-1C 47

IN YOUR NEEDS

(TINI)

Supplies Quick PICK UP YOUR

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M551 50

IDENTIFICATION

OR SUPPLY

PUB

81-MM Mortar 54-58

FIREPOWER

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HAVE ITEM WHEN YOU

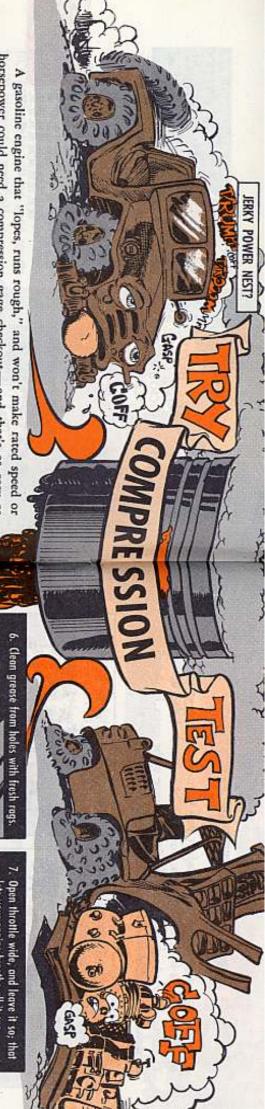
FOR HELP SUPPORT

PROBLEMS

Use of funds for printing of this publica-tion has been approved by Headquarters, Department of the Army, 28 Fabrury 1968, DISTRIBUTION, in accordance with requirements submitted on DA Form 12-4



PS Magazine, Sql. Half-Mash Park Knox, Ky 40121



downing a bottle of BaMeBa "33". horsepower could need a compression gage checkout—and that's as easy as

use the gage this way: Check the crankcase oil level and the over-all cleanliness of your engine, and

Check the compression tester itself (you adapters, including rubber-cone types sound and needle on zero. Hoses and particular automotive common tool kit 086-6851, or other). Be sure the glass is may have FSN 4910-250-2423, FSN 4910-



3. Turn ignition OFF. This'll keep plugs from switch-operated starting motors, you'll have to remove the coil high-tension lead from the distributor to keep the plugs (On engines with ignition



2. Get engine up to operating temperature so you'll get a true reading.



4. Blow dirt from around plugs (protect your eyes) with shop air hose, Loosen olugs and air clean again.



5. Take out the plugs

2

lets your engine breathe all it can



9. Repeat Step 8 on all other cylinders. number of times for each test Crank the engine over about the same

8. Choose the right rubber-tip cone or

adapter, and get a reading from cylinder No. 1. Write it down. To do this, you need

a helper to turn the engine over with

he starter about 10 times.



CHOOSE THE

YOU TO THE WILL LEAD 10. Now check the figures. If you got too If 2 cylinders next to each other show cylinders, something is probably wrong much difference between any 2 cylinders, low pressure about equally, it's probable big difference of PSI readings between what "too much" is). If you still get a try a re-run (your engine TM should tell

FIGURES

THESE

TROUBLE OF YOUR SOURCE



SOMETHING ELSE

Besides your instrument, use a gadget you were born with—your ears. Put your spark plugs back in the ports, but leave the electrical end disconnected. Then starter-crank the engine over (things have to be quiet in the shop) to maximum compression and lend an ear to the wispy whispers—

Air pressure bubbling back thru the carburetor can mean a bad intake valve.



Then take the next step-





11 In any cylinder which showed low figures, squirt a teaspoon or so of oil (fresh, clean crankcase lube).

Let it set 2 or 3 minutes, then get another reading.

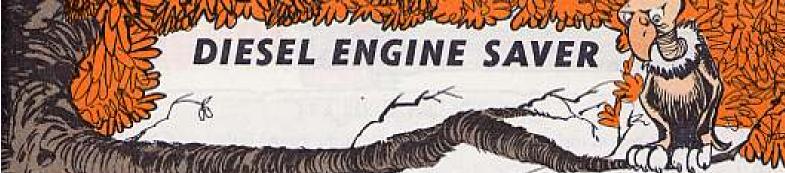
If it now shows about the same as other cylinders, you can believe it's likely bad rings. If compression doesn't come up, it could be valves. Try valve adjustment, then another compression check. But know this:

Any time readings go below minimum tolerance in the TM, and any time there's consistent compression loss, you're a customer for DS.



TIPS:

- While your plugs are out, check and clean 'em on your spark plug cleaner-tester. Might be fouled plugs that caused burn engine performance in the first place.
- Cylinder compression test on diesel engines is a DSU chore so leave 'em alone. Your compression gage won't dig it.



It's hot poop for you if your tracked vehicle is powered by a 6V53 or 6V53T or 8V71T Detroit Diesel engine—

TB 750-652 (Jun 70), Maintenance of Supplies And Equipment Operation of Tank-Automotive Materiel Powered With Detroit Diesel Engines 6V53, 6V53T and 8V71T.

It's got a lot of good info on both operation and maintenance of those engines.

Why a special TB on this?

Like the TB says, most of the "high failure rate" of these

engines comes from: ...





Overheating —

Dirt allowed to get inside the engine -Fuel fouled with dirt and water —

Poor lubrication —

Bum operation —

Shortcutting PM services -

Sloppy diagnosis of trouble — Failure to handle engines with tender loving

care when returning 'em for rebuild.



M113A1 Carrier, Personnel FT Armd
M577A1 Carrier, Command Post LT Tracked
M106A1 Carrier, Mortar, 107MM, SP
M125A1 Carrier, Mortar, 81MM, SP
M132A1 Carrier, Flame Thrower, SP
M548 Carrier, Cargo, Tracked, 6 Ton
M551 Armored Recon Airborne Assault
Vehicle
M107 Gun, FA SP 175MM

M108 Howitzer, Light, SP, 105MM
M109 Howitzer, Medium, SP, 155MM
M110 Howitzer, Heavy, SP, 8 inch
M578 Recovery Vehicle FT, LT, Armored
XM727 Carrier, GM Equip SP
XM730 Carrier, GM Equip SP
XM667 Carrier, GM, Equip SP
XM741 Chassis, Gun, AA Arty, 20MM, SP
XM806E1 Recovery Vehicle FT Armored

This TB really puts it on the line, all the way from the greenhorn driver up to his commander:

"Commanders also will include special instructions in driver training programs of their respective commands," the TB says.



EVEN SIMPLER THAN A-B-C

Square peg in the square hole, round peg in the round hole.
Simple enough.

So how come some guys hook up their batteries wrong? The right way is just as simple as pegs 'n' holes.

Negative (-) goes to negative (-).

Positive (+) goes to positive (+).

Goof up on this and the least of your troubles will be a rundown battery.

And you may even ruin some of your equipment's electrical components.

Like the AC-DC generator (called "alternator") on newer model tactical trucks
—you'll blow the guts out of it with the wrong battery hookup. This li'l mistake
can cost Uncle a coupla hundred smackers!

So, remember — when you've had the cables off your batteries, put 'em back right. (Remember: negative goes on last.) Same goes when you're hookin' up a charger or jumper cables to your batteries. (Natch, the cable that hooks your batteries together goes negative (-) to positive (+). This's what gives you a 24-volt system with 2 12-volt batteries.

Think you might forget?

Then get this decal, FSN 7690-912-3504, and stick it inside the battery box cover. Slap a coat of clear varnish over the decal to keep it from weatherin' away. No battery box cover? Then stick the decal close by where anyone working on the batteries can spot it easy.

This's the same decal required on M151-series 1/4-ton trucks—by TB 750-981-1 (Jan 67), para 47.

Check with your maintenance officer. Your command probably will be tickled pink to authorize this decal for all your tactical trucks, tracked vehicles, generators, compressors, etc.



TERY SAVER

LABEL YOUR CABLES

Plain as a wart on the end of a girl's nose.

New battery cable labels make it plain just which cable is negative (-) and which is positive (+).

These're the labels you'll find on the new M151A2 1/4-ton truck. They're listed in Ch 2 (Jan 70) to TM 9-2320-218-20P—

Label, battery cable lead, negative, FSN 7690-477-3715



Ask your command about authorizing these labels for all your equipment with lead-acid storage batteries.

In most cases, you just take off the battery cable clamp, slip on the label and put the clamp back on. If the clamp doesn't come off, maybe you can get the label on from the other end.

These labels are not designed for the big, fat battery cables you find on some equipment. But you can use 'em on these cables, anyway. Just lay the label lengthwise on the cable and wrap several turns of electrical tape around at each end. Or, maybe better yet, punch holes near the edges of the label so you

can fasten it onto the cable with Strap,
 Line Supporting, FSN 5340-985-6630
 —the same strap you use to keep batter tery cables from flopping around.

Get the label down within a few inches of the clamp where it'll show up. Sure, a good, experienced mechanic can tell which cable is which, but it's pretty hard for anybody to make a mis-



Dear Half-Mast,

WARNING DECA

Some of our trucks have it and some don't-a decal that says



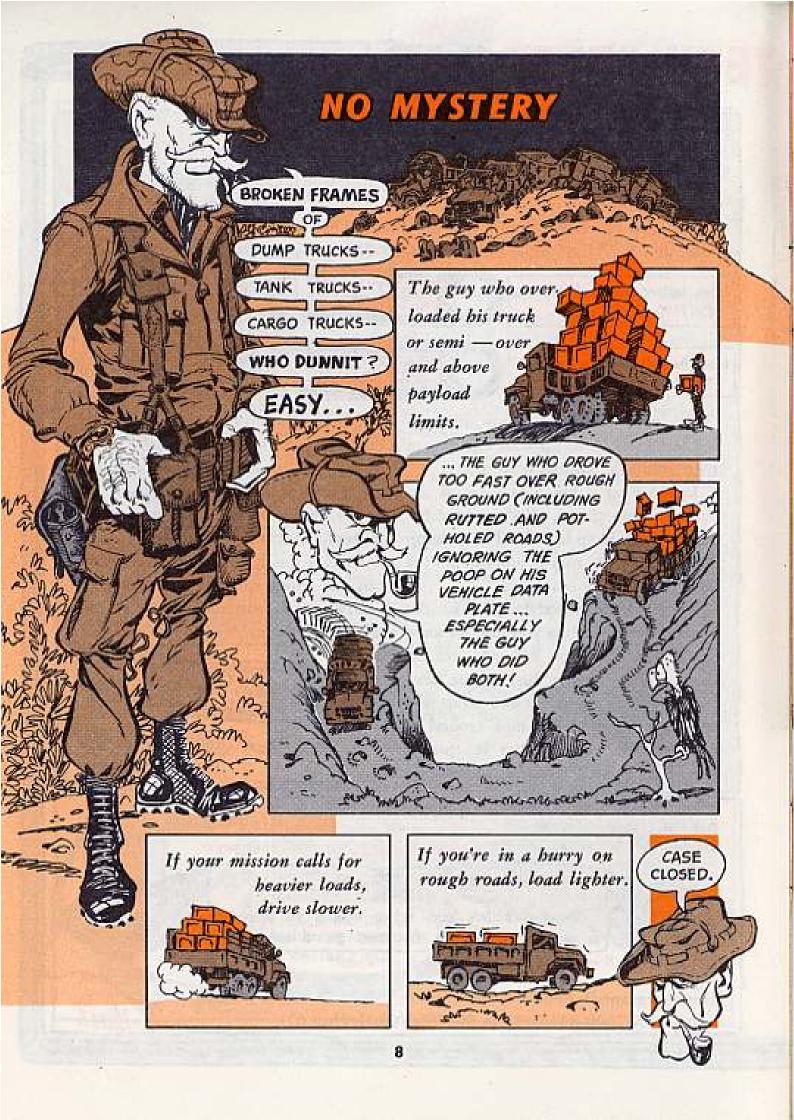
Disconnect battery leads before working on generator or regulator installations. Disconnect ground lead first.

you tell me where to get this stick-on decal?

SFC B. E. M

Dear Sergeant B. E. M., It's FSN 7690-851-0172 in SC 7660/90-IL (Jun 67)

Half-Wast



YOUR No. 1 COMMON SHOP EQUIPMENT



Getting the tools you need and knowing how to use 'em is the secret to good maintenance and keeping your equipment on the go.

The best way to make sure you have the tools you need is to check your latest supply catalog or supply manual for your kit or set, and make sure you get all of the changes to those pubs.

If you have—

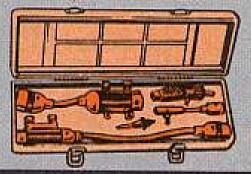
NO. 1 COMMON ORGANIZATIONAL MAINTENANCE AUTOMOTIVE MAINTENANCE AND REPAIR SHOP EQUIPMENT FSN 4910-754-0654 (LIN W32593)

then you should have SC 4910-95-CL-A74 (Mar 70), Ch 1 (Sep 70).

Here're the tools you should have in that shop equipment set. There are different manufacturers, so the tool you have may not look exactly like the one pictured here, but it should still do the same job. You get one each unless noted.

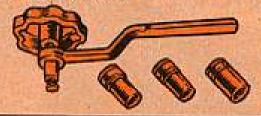


ADAPTER SET, ENGINE ELECTRICAL TEST: 24v sealed elec sys for wheeled tactical vehicles



FSN 4910-348-7600

ADJUSTING TOOL, VALVE TAPPET: replaceable wrench socket type, 1/2 in. sq-drive, 1/2 in., 1/4 in., and 1/4 in. sockets.



FSN 5120-293-0595

BAR, WRECKING: 3/4 in. dia stk, 30 in. lg o/a



FSN 5120-293-0665

BATTERY FILLER, GRAVITY: jug type w/pitcher type handle, natural or syn rubber cntr, 4 qt plus 2 pt or minus 1 pt, 18 in. Ig x 1/4 in. dia hose, 8 in. Ig x 8 in. w x 12 in. h



FSN 6140-635-3824

BATTERY FILLER, SYRINGE: 6 fluid oz ru bulb type, rigid bent nozzle, 10¾ in. lg o/a





FSN 5120-243-7338



BLADE, HAND HACKSAW: HSS, all hard type, 24 teeth per in., 0.025 in. thk, 10 in. Ig o/a (10 blades per bundle)

FSN 5110-237-8107

BRUSH, STENCIL: Ig hdl, 13/6 in. dia of bristles at ferrule, 91/2 in. Ig o/a

FSN 7520-223-8000



BRUSH, WIRE, SCRATCH: S wire, curved hdl, rocker rect face, 11/4 in. to 11/4 in. lg clear of block, 4 rows w, 18 rows lg, 51/2 in. to 61/4 in. lg brush part, 1311/4 min, 141/4 max lg



FSN 7920-291-5815

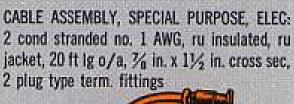
4 in set

CABINET, STORAGE: vehicle repair parts and tools, steel body w/wooden top, w/11 drawers, 35½ in. h x 25 in. w x 27 in. deep overall





FSN 7125-330-0130





FSN 4910-474-9135

CAN, RADIATOR FILLING: glvd S, 3 gal cap



FSN 7240-254-4173

CAPS, VISE JAW: br face, 4 in. w jaws



FSN 5120-221-1506

CARRIER, STORAGE BATTERY: quick adj, serrated ru gripper pads



FSN 5120-570-4316

COUPLING HALF, QUICK-DISCONNECT: glvd S, stght flow, exter male 1/4-18NPT fluid end, push-pull coupling



FSN 4730-142-1958

3 in set

COUPLING HALF, SELF-SEALING: steel, stight flow, 1/4-18NPT, swivel type



FSN 4730-595-1813

3 in set

CRIMPING TOOL, TERMINAL, HAND: manual compression type, no. 26 thru no. 10 AWG wire accommodated



FSN 5120-596-9313

CROWBAR: 11/4 in. stk dia, 59 to 62 in. Ig o/a

FSN 5120-224-1390

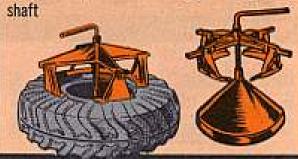


CUTTER, TUBE: for close flare cutoff, inclosed feed mach type, w/deburring tool, 1/8 in. to 11/8 in. od tube cutting range



FSN 5110-288-6520

DEMOUNTER, PNEUMATIC TIRE: 7.00 x 16 to 14.00 x 24 automotive tire size, manually drvn, pressure supplied to working mech by screw



FSN 4910-683-9362



DISPENSING PUMP, HAND DRIVEN: when exhausted use 4930-811-6857



FSN 4930-263-9886

DISPENSING PUMP, HAND DRIVEN: for gasoline or kerosene, continuous flow type, pump head body flange mounted for 1½ in. or 2-in. bung opng, discharge fitting, ¾ in. thd nozzle hose, 8 ft lg o/a, 42 in. lg nonadj intake pipe, 12 gal per 100 revolutions

FSN 4930-811-6857

DISPENSING PUMP, HAND DRIVEN: piston selfmeasuring type, flgd mtg pump hd body, $1\frac{1}{2}$ in and 2-in bung opngs, $\frac{1}{2}$ -in thd nozzle discharge fitting, adj intake pipe, 1qt per stroke



FSN 4930-287-8293

DRESSER, ABRASIVE WHEEL, HAND: revolving cutter whl type, 11/4 in. dia cutter, w/the following replaceable components



FSN 5120-223-9952

CUTTERS, ABRASIVE WHEEL DRESSER:









FSN 5120-278-6641

DRESSER, CONTACT POINT: w/sq-ends, % in. w x 0.025 in. thk x 4¼ in lg o/a



FSN 5345-250-1345

12 in set

DRILL, PNEUMATIC, PORTABLE: 1/2 in. size, non-reversible, 1000 rpm no load speed stght drive, keyed jaw check, pistol grip hdl.



DRILL SET, TWIST: HSS, strght rd shank, frac series, rh w/case, consisting of 1 each of the following:

FSN 5133-293-0983

	drill dia	fluted lg	
FSN	in.	in.	lg, in.
5133-227-9646	X.	1/6	17/8
5133-227-9647	3/64	1	2
5133-227-9648	352	11/4	21/4
5133-227-9649	1/64	11/2	25%
5133-227-9650	1/8	15%	23/4
5133-227-9651	%4	13/4	27/6
5133-227-9652	5/1	2	31/6
5133-227-9653	11/4	21/8	31/4
5133-227-9654	3/4	23/6	31/2
5133-243-9612	13/64	27/16	35%
5133-227-9656	1/2	21/2	33/4
5133-243-9611	15/4	25/0	37/4
5133-227-9658	1/4	23/4	4
5133-227-9659	17/4	27/8	41/6
5133-227-9660	%2	215/6	41/4
5133-240-8443	19%4	31/4	43/8
5133-227-9662	3/4	33/16	41/2
5133-243-9613	2764	35/6	45/6
5133-227-9664	11/4	37/6	43/4
5133-227-9665	27/64	31/2	47/8
5133-227-9666	3/6	35%	5
5133-227-9667	25/	33/4	51/8
5133-227-9668	13/2	37/8	51/4
5133-227-9669	27/4	315%	53%
5133-227-9670	1/6	41/6	51/2
5133-227-9671	29/64	43%	55%
5133-227-9673	15/2	45%	53/4
5133-227-9674	31/64	43/8	57/8
5133-227-9672	1/2	41/2	6
AND CONTRACTORS		264	

EXTRACTOR SET, SCREW: taper type, spiral fluted drill style, carb tool steel, c/o 1 each of the following:



FSN 5120-610-1888

FSN	screw size in.
5120-240-5223	% to 1/4
5120-580-2359	1/4 to 1/6
5120-240-5221	% to %
5120-240-5222	% to %
5120-240-5219	% to 3/4
5120-240-5220	3/4 to 1
5120-240-5217	1 to 13%
5120-242-1118	13% to 13%
5120-240-5215	13/4 to 21/a

FILE, HAND: American patt, flat type, dblecut bastard faces, sgl-cut bastard edges, 12 in. heel to pt

FSN 5110-234-6539

FILE, HAND: American patt, half-rd type, dblecut bastard faces, 10 in. heel to pt

FSN 5110-241-9153

FILE, HAND: American patt, half-rd type, smcut, fl side dble-cut, back side sgle or dble-cut, 8 in. heel to pt

FSN 5110-241-9152

FILE, HAND: American patt, mill type, sglecut sm faces and edges, 12 in. heel to pt

FSN 5110-203-4645

FILE, HAND: American patt, rd type, ½ in. dia of largest sec, dble-cut bastard faces, 12 in. heel to pt

FSN 5110-234-6557

FILE, HAND: American patt, three sq type, dblecut sec-cut faces, 8 in. heel to pt

FSN 5110-239-7556



FILE, THREAD RESTORER: 11, 12, 13, 14, 16, 18, 20, and 24 threads per inch.

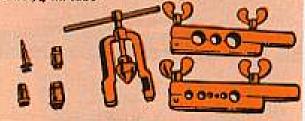
FSN 5110-373-1691

FISHING TOOL, PNEUMATIC TIRE VALVE: w/
valve core for tire inflation



FSN 5120-516-4220

FLARING TOOL, TUBE, HAND: swv cone, hinged dies type, for $\frac{1}{8}$ in., $\frac{3}{6}$ in., $\frac{1}{4}$ in., $\frac{5}{6}$ in., $\frac{3}{8}$ in., $\frac{7}{6}$ in., $\frac{1}{2}$ in., $\frac{1}{2}$ in., and $\frac{3}{4}$ in. tu, 90 deg incl angle of flare produced, w/4 swedging adapter for $\frac{3}{6}$ in., $\frac{1}{4}$ in., $\frac{3}{6}$ in., $\frac{1}{2}$ in., $\frac{5}{6}$ in., and $\frac{3}{4}$ in. tube



FSN 5120-251-2267



FRAME, HAND HACKSAW: adj, open pistol grip hdl, 3 in. to 37% in. deep throat, 10 in. and 12 in. Ig blades accommodated



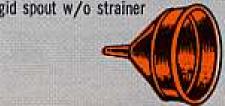
FSN 5110-289-9657

FUNNEL: steel, glvd finish, 1 qt cap, 8 in. Ig flex, tu spout w/removable strainer



FSN 7240-559-7364

FUNNEL: steel, glvd fin., 2 qt cap, 23% in. lg rigid spout w/o strainer



FSN 7240-230-2397

GAGE, TIRE PRESSURE, SELF-CONTAINED: inclosed self-contained cartridge indicator, operated by a separate lever, w/deflating position, 10 lb to 120 lb range, 2 lb smallest grad div 10 lb to 40 lb, dual ft chuck including the following replaceable components: (Use this gage until it's no longer economically repairable. Will be replaced by Inflator-Gage, Pneumatic Tire, FSN 4910-204-2547)



FSN 4910-522-3778

CARTRIDGE, REPLACEMENT, TIRE GAGE,

FSN 4910-895-6176

CARTRIDGE, REPLACEMENT, TIRE GAGE, VALVE UNIT

FSN 4910-895-6175



GAGE, TIRE PRESSURE, SELF-CONTAINED: for general testing, used to check air inflated tires, calibrated 10 to 160 lb, calibrated in 1 lb div from 10 to 60 lb and 5 lb div from 60 to 160 lb, stem calibrated on 2 sides, dual ft chuck, 30 deg mtd angle, 6 in. stght extn, 12½ in. Ig o/a, w/hang-up ring (The issue of additional gages is authorized at the ratio of one per group of eight wheeled vehicles, including trailers, and/or fractional quantities thereof, as authorized by your TOE)

FSN 4910-204-3170

GAGE, WHEEL ALIGNMENT: toe-in and toe-out type, rod style clamped between wheels, w/2 level vials, w/h measuring chains, Mil-G-19629, Class I

FSN 5210-529-1205

GOGGLES, INDUSTRIAL: plastic, w/eye cups, ventilated, adj nose bridge, I lens ea aperture, clear glass lens, not polarized, rd, hardened, 50mm dia, headband supported, to be worn over personal spectacles, w/o carrying case





FSN 3415-241-3116

GUN, AIR BLOW: stright design, finger grip hdl. button operated, w/hang-up hook, removable tip, 1/4-18NPSH male thd coupling



FSN 4940-241-3075

HAMMER, HAND: engineer's cross peen, 3 lb hd wt, fiberglass hdl

FSN 5120-900-6103

HAMMER, HAND: style 22 carpenter's, nailing, curved claw, 16 oz nom hd wt fibreglass hdl



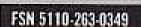
FSN 5120-892-5485

HAMMER, HAND: sledge, blacksmith's, cross peen, 12 lb hd wt



FSN 5120-224-4130

HANDLE, FILE, WOOD: 11/4 in. dia x 41/2 in. Ig overall, med size



6 in set

HANDLE, SOCKET WRENCH: hinged type, 1/2 in. drive end, 121% in. Ig o/a



FSN 5120-221-7958

HOLDING TOOL, VALVE TIRE REPAIR: (A. Schrader's Son Div, No. 7799)



FSN 5120-223-9346

HOSE ASSEMBLY, RUBBER: air, sm bore, natural or syn-ru inner conveying surface, 2 cotbrd, black molded ru cover, 1/2 in. id, 21/2 in. od, 25 ft lg excl fittings, 1/4-18NPSH br female fitting on ea end, 150 psi wp



INFLATOR-GAGE, PNEUMATIC TIRE: exposed bar indicator, w/deflating position calibrated 10 to 120 lb range, 2 lb smallest grad div 10



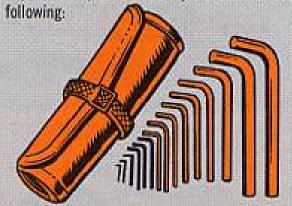
FSN 4910-204-2547

JACK, HYDRAULIC, HAND: self-contained, 12 ton cap, 111/4 in. closed h, 161/4 in. extended h, sgle pump, w/screw extn





KEY SET, SOCKET HEAD SCREW: hex drive, L-type hdl, w/case or ro, c/o 1 each of the



FSN 5120-595-9245

FSN	w across flats	lg arm, in.
5120-198-5400	0.035 in.	1%
5120-198-5401	0.050	121/22
5120-198-5398	1/16	13/4
5120-224-2504	1/64	17/6
5120-242-7410	3/32	2
5120-240-5292	V ₈	21/4
5120-198-5392	₹32	21/2
5120-240-5300	₹6	23/4
5120-242-7411	7/32	3
5120-224-4659	1/4	31/4
5120-240-5274	3/16	33/4
5120-198-5390	3/8	41/4
5120-198-5391	1/2	51/4
5120-240-5268	%6	53/4
5120-224-2510	3/8	61/4

KNIFE, CRAFTSMAN'S: taper pt, 4 in. blade lg clear of handle



FSN 5110-268-3882



LIFTER-SCRAPER, BATTERY TERMINAL: 101/2 lg o/a

FSN 5120-293-1039

LIGHT, EXTENSION: 15 ft ig. 2 cond, type SJ cable, w/btry clips 1 end, lampholder, guard hook, reflector, ru hdl and sw other end, 25 w med screw base lamp accommodated, to be u/w the following screw base lamps: (2 in set) (when exhausted use FSN 6230-268-9436)



FSN 6230-299-5680

LAMP, INCANDESCENT: 12 v 25 w, med screw base, frosted fin, white light, no. 25A-12

FSN 6240-222-0276

LAMP, INCANDESCENT: 25 v 25 w, med screw base, frosted fin, white light, no. 25A25V

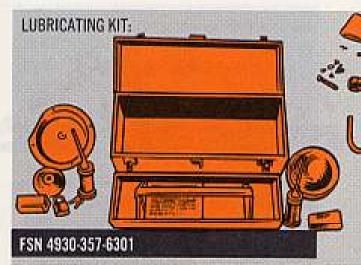
FSN 6240-153-6494



LIGHT, EXTENSION: 25 ft lg, 2 cond type SO 16 AWG cable, w/2 parallel blade plug connector 1 end, lampholder, guard, hook, reflector, ru hdl, and sw other end, 100 w med screw base lamp accommodated

FSN 6230-239-3518





consisting of:

Tool Box, portable, steel

FSN 5140-498-8772

Padlock, 13/4 in, pin tumbler mechanism

FSN 5340-582-2741

Oiler, hand pump w/o hdl, 1/4 pt nominal sz

FSN 4930-274-5713

2 each

Gun, grease, hand, lever operated

FSN 4930-223-3391

2 each

Adapter, grease gun coupling, flexible extn, straight coupler

FSN 4930-288-1511

Lubricator, bearing, portable

FSN 4930-704-1852

Lubricating Fitting Tool, for removing and replacing standard sz fittings, rethreading fitting holes, Snap-On-Tools Corp Part No. GA-22, or equal

FSN 5120-246-2311

Coupler, hydraulic, straight, $\frac{1}{16}$ -27 NPT, female

FSN 4930-387-9491

Adapter, grease gun coupling, rigid extn, strght hydraulic type fitting Lincoln Mfr Code 36251, Part No. 5855 (this is for your M151)

FSN 4930-204-2550

Gun, fluid, 6 oz.

FSN 4930-223-3390

Gun, fluid, 11 oz, cap, w/2 extensions: (1) flexible metallic hose, and (2) rigid gooseneck tube

FSN 4930-223-3392

Fitting, lubrication, hydraulic, surface check, ½-27NPT(M) threads, steel, stright, single

FSN 4730-050-4208

100 each

Elbow (body), lubrication fitting, 45 degree angle $\frac{1}{6}$ -27NPT male x $\frac{1}{6}$ -27NPT female

FSN 4730-278-4216

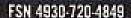
25 each

Elbow (body), lubrication fitting, 90 degree angle 1/6-27NPT male x 1/6-27NPT female

FSN 4730-278-4814

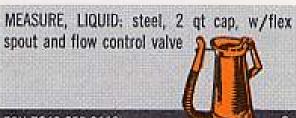
25 each

LUBRICATING UNIT, POWER OPERATED: air operated, grease pressure dev 40 times air pressure applied, 80 to 150 psi air pressure, 6 ft lg lubr hose w/control valve and hyd lubr fitting coupler, 60 lb cap lubr tank, dolly or chassis mtd









FSN 7240-255-8113

MEASURE, LIQUID: steel, 8 qt cap, w/flex spout and flow control valve

MULTIMETER: 0 to 5000v ac/dc in 10 steps, 0 to 3 meg in 1 step, 0 to 3 percent accuracy dc range, 5 percent accuracy ac range, 300,000 ohms in 2 steps 1000 ohms per v sensitivity, 0 to 1 amp dc in 1 step, 15 v, dc operating power, 1½v int btry source, 2% in. x 3½ in. x 5½ in. o/a plastic case w/carrying case

(when exhausted use FSN 6625-553-0142)



FSN 6625-975-4482

MULTIMETER: type TS-352 B/U, 0 to 5000 v dc in 7 steps, 0 to 1000 v ac in 6 steps, 0 to 10 amp dc in 8 steps, 0 to 10 meg in 5 steps, 50 ua sensitivity, 1.5, 13.5 v dc operating power, int btry source, 6.156 in. x 8.313 in. x 11.313 in. o/a, enmld fin. mtl case, w/accessories

FSN 6625-553-0142

NIPPLE, PIPE: br, cd-plt fin. u/w ¼ in. pipe size, ¼-18NPSM rh, class 2 fit, 1¾6 in. lg o/a, ¾6 in. distance across flats, ¼in. lg hex, 1¾2 in. distance hex from end, 30 deg angle of seat

FSN 4730-287-1589

3 in set



PLIERS, BRAKE REPAIR: comb tool, hyd and mech brake springs, replaceable steel hook, w/socket and guide end handles, 12-in nom lg (Snap-On Tools Corp, No. 131A, or equal)



FSN 5120-690-8044

PLIERS: slip joint, w/2 positions, % in. jaw thk, 7% in. nom size Ig o/a (Snap-On-Tools Corp, No. 48A, or equal)



FSN 5120-537-3375

PLIERS, RETAINING RING: snap ring, formed tips

FSN 5120-595-9551



PULLER KIT, MECHANICAL: univ type, rvrs slide hammer type, 2 and 3 jaw, 0 to 8¾ in. outside range, 1 in. to 6¾ in. inside range consisting of the following:



FSN 5120-313-9496

311 0120 010 0100	
	in. Ig
1 crossarm puller	6
FSN 5120-313-9502	A COMMENT
3 jaws, inside	313/4
FSN 5120-313-9504	
3 jaws, inside	4 %
FSN 5120-313-9505	
3 jaws, outside	41%2
FSN 5120-313-9506	I A CONTRACTOR
3 jaws, outside	723/2
FSN 5120-313-9507	
1 jaw, single	215/6
FSN 5120-313-9508	
3 jaws, single	443/64
FSN 5120-340-2010	
3 jaws, puller	31/2
FSN 5120-357-6278	
1 nut, knurled	21/2
FSN 5120-313-9499	
3 pins	
FSN 5120-313-9501	
1 slide hammer	4
FSN 5120-313-9498	
1 rod	24
FSN 5120-313-9497	
1 yoke	2⅓ in. dia
FSN 5120-313-9500	
1 yoke	2½ in. w
The state of the s	Control of the Contro

PULLER KIT, MECHANICAL: wheel, w/short jaws stud nut set, axle protector and mtl box

FSN 5120-357-9244



PULLER, MECHANICAL: gear and brg, dbleend grip, 2 exter jaws, 0 to 8 in. spread range, 5½ in. reach

FSN 5120-595-9305



PUMP, BUCKET, LUBRICATING: hand operated, 25 to 50 lb cap, 1500 psi pressure, w/5 ft lg hose and gooseneck

nozzle, w/leakproof cover and loader fitting for grease gun

FSN 4930-244-4860

PUMP, BUCKET, LUBRICATING: hand oper, 25 to 50 lb cap, 7000 psi pressure, 1/3 oz per stroke, w/10 ft lg hose, hyd coupler, w/leak-proof cover and follower plate

FSN 4930-244-4859

REPAIR KIT, TUBELESS TIRE: (Adams PSP No. M100 or equal) (As Required)



FSN 4910-922-6921

REPAIR TOOL, PNEUMATIC TIRE VALVE:

for std tire valve

FSN 5120-308-3809

RETRIEVING TOOL, MAGNETIC: telescoping type, 161/4 in. closed lg, 26 in. lg o/a

FSN 5120-545-4268





SAW, HAND, CROSSCUT: 24 in. Ig blade, 6 in. w at butt, 1¼ in. w at pt, 10 pts per in., stght back

FSN 5110-142-4999

SCALE, DIAL INDICATING: weighing, hanging type, I hook type load receiver, stight face type dial grad 0 to 50 lb in 1 lb intervals, advp sys, spg type mech, w/o counterpoise weight



FSN 6670-254-4634

SCREWDRIVER, FLAT TIP: plastic hdl w/wrench grip, 36 in. w/flared tip, 8 in. lg blade

FSN 5120-278-1279

2 each

SCREWDRIVER, FLAT TIP: plastic hdl, w/ wrench grip, bolster forged, hv-duty 3/6 in. w/flared tip, 6 in. lg blade

FSN 5120-278-1283

2 each

SCREWDRIVER SET, CROSS TIP STRAIGHT AND OFFSET: Phillips No. 1, 2, 3, and 4 size tips, plastic hdls, c/o 1 ea of the following:



FSN 5120-580-0334

	blade lg,		
FSN	tip no.	in.	type
5120-240-8716	1	3	cross tip
5120-234-8913	2	4	cross tip
5120-234-8912	3	6	cross tip
5120-224-7375	4	8	cross tip
5120-256-9014	1 and 2	43/4	offset
5120-242-3268	3 and 4	6	offset

SHEARS, BENT TRIMMER'S: steel blade and hdl, w/l sharp pointed blade ends, 12 in Ig o/a

FSN 5110-203-9642



SOCKET, SOCKET WRENCH: 1/2 in. sq-drive, 11/4 in. 6 pt oping, deep style



FSN 5120-945-4704

SOCKET SET, SOCKET WRENCH: 1/2 in. sq-drive, 12 pt opng, deep style, w/case, c/o 1 ea of



FSN 5120-596-8622

	the state of the s		
	FSN	opng. in.	ni i
Park.	5120-243-7351	1/2	
	5120-243-7348	%6	
BR	5120-235-5898	3/6	
	5120-243-7346	11/4	
	5120-242-3349	3/4	
	5120-243-7345	17/6	
	5120-243-7342	1/0	
	5120-243-7343	15/4	ă
	5120-243-7340		
	5120-243-7341	11/4	
	5120-243-7339	11/4	

SOLDERING TORCH KIT: c/o disposable fuel cyl, flame spreader, it and med flame tips, soldering iron tip, lighter, instructions and



FSN 3439-542-0531

PROPANE GAS: refill cyl, 2¾ in. dia, 10 in. lg, 26.7 fluid oz fuel



FSN 6830-584-3041

STENCIL SET, MARKING: 45 adj mtl stencils, letters A thru Z, numerals 0 thru 9, 1 ampersand, apostrophe, comma, period, spacer, and 4 end pc

FSN height of characters (in.)
7520-298-7043 1
7520-298-7044 2
7520-272-9683 3
7520-269-9012 4



STONE, SHARPENING: comb. type, syn, al-oxide or silicon carbide, oil treated, coarse and fine grit, 6 in. lg x 2 in. w x 1 in. thk o/a



FSN 5345-198-8050



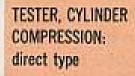
TESTER, BATTERY ELECTROLYTE SOLUTION:



FSN 6630-171-5126

2 each







FSN 4910-250-2423

TESTER, INTERNAL COMBUSTION ENGINE: unmounted, for testing manifold vacuum and fuel pump pressure 0 to 8 lb pressure and 0 to 27 in. vacuum ga scale

27 in. vacuum ga scale ranges, w/carrying case



FSN 4910-255-8673

TIRE IRON: 18 in. Ig o/a (Herbrand Corp, 1127 or equal)

FSN 5120-422-8558

TIRE IRON: curved bead breaker, 33 in. Ig o/a

FSN 5120-580-8924

TIRE IRON: curved flat type, 24 in. Ig o/a (Ken-Tool Mfg Co, T-20, or equal)

FSN 5120-277-4071

2 each



TIRE IRON: hooked spoon-drop center type, 18 in. Ig o/a (Herbrand Corp, No. 1134, or equal)

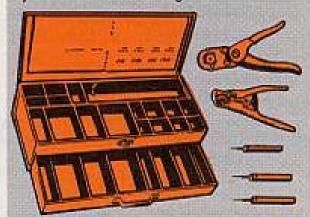
FSN 5120-449-7073

2 each



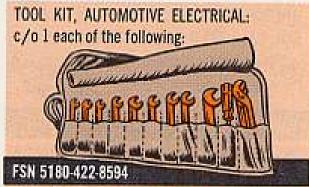


TOOL KIT, ELECTRICAL CONNECTOR REPAIR: c/o 1 each of the following:



FSN 5180-876-9336

CASE, METAL: 15-13/6 in. Ig
FSN 5140-772-9655
CRIMPING TOOL, TERMINAL, HAND:
20 thru 10 AWG wires accommodated
FSN 5120-251-3990
REMOVER: 0.063 in. dia
FSN 5120-797-8495
REMOVER: 0.120 in. dia
FSN 5120-797-8494
REMOVER: 0.187 in. dia
FSN 5120-391-1710
STRIPPER, WIRE, HAND: 22 to 8 AWG
stripping cap
FSN 5110-268-4224



FSN 5120-540-2464 PLIERS, SLIP JOINT: 5 in. FSN 5120-293-3183 SCREWDRIVER, FLAT TIP: flared tip, plastic hdl, w/external screw grippers, nom tip with 5/2-in, nom blade Ig 2-in

WRENCH, OPEN END FIXED-

WRENCH,	OPEN EN			
		deg of	deg of	
opngs,	thk hd,	angle,	angle,	
in.	in.	sm hd	lg hd	Ig in.
13/4 &	1/64	15	60	3
15/4				1 1
FSN 5120-2	77-3414			
13%a &	7/4	60	15	3
15/4	784	99	49	
FSN 5120-2	77.9310			
₹2.8	7/4	15	60	3
1/4 ×	284	10	00	•
FSN 5120-2	77 0200			
		60	-00	-
7∕32 &	1/64	ou	15	3
Y4	77 0000			
FSN 5120-2			44	885.7
%2 &	₹52	15	60	31/2
×6			0.00	
FSN 5120-2	THE RESERVE OF THE PARTY OF THE			
1/2 €	₹52	60	15	31/2
He	2200			
FSN 5120-2	ASSESSMENT VALUE OF THE PARTY OF			
11/52 &	₹32	15	60	33/4
%				
FSN 5120-2	77-8313			
11/32 &	兆2	60	15	33/4
3/6				
FSN 5120-2	77-8314			
X6 &	1364	15	60	43%
1/2	10.00		1052	
FSN 5120-2	93-1349			
ROLL				
FSN 5140-7	08-3431			



TUBE, BLEEDER, HYDRAULIC BRAKE: 2 connections 1/4-28 thd 1 end, 10-32 other end, 18 in Ig o/a

FSN 4910-255-8219

2 each



VISE, MACHINIST'S: swv-base, 4 in. w jaw, 6 in. jaw opng, replaceable jaw faces



FSN 5120-293-1439

VULCANIZER, HOT PATCH: bench or wall mtd, quick acting clamp type, w/tu roughing tool



FSN 4910-243-3130



WRENCH, AUTO, ADJUSTABLE: 0 to 3% in. jaw opng, 15 in. Ig o/a



FSN 5120-264-3793

2 each

WRENCH, BOX: angular offset dble-hd type, 11/16 in and 11/18 in 12 pt opngs, min o/a lg 151/16, max lg 18 o/a



FSN 5120-228-9521

2 each

WRENCH, BOX: angular offset dble-hd type, 11/4 in. and 13/4 in. 12 pt opngs, min o/a lg 181/4, max lg 201/2 o/a



FSN 5120-184-8677

WRENCH, BOX: dble-offset dble-hd type, 11/4 in. and 11/4 in. 12 pt opngs 173/6 in. lg o/a



FSN 5120-264-5212



WRENCH, OPEN, ADJUSTABLE: sgl-hd type, 0 to 1.135 in. opng, 10 in. lg o/a



FSN 5120-449-8083

2 each

WRENCH, OPEN END, ADJUSTABLE: sgle-hd type, 0 to 1.322 in. opng, 12 in. lg o/a

FSN 5120-264-3796

2 each

WRENCH, OPEN END, FIXED: dble-hd type, 15 deg angle, $\frac{1}{16}$ in. and $\frac{1}{12}$ in. opngs, $\frac{2}{16}$ in. thk hd, 7 in. Ig o/a

FSN 5120-184-8620

2 each

WRENCH, OPEN END, FIXED: dble-hd type, 15 deg angle, % in. and % in. opngs, % in. thk hd, 73% in. lg o/a

FSN 5120-184-8621

2 each

WRENCH, OPEN END, FIXED: dble-hd type, 15 deg angle, $1\frac{7}{16}$ in. and $1\frac{5}{8}$ in. opngs, $4\frac{1}{16}$ in. thk hd, $15\frac{1}{2}$ in. Ig o/a



FSN 5120-277-2326

WRENCH, PIPE: adj jaw style, ¼ in. to 1 in. ips, 10 in. lg o/a

FSN 5120-277-1485

2 each

WRENCH, PIPE: adj jaw style, 1 in. to 2 in. ips, 18 in. lg o/a

FSN 5120-277-1461

WRENCH, TORQUE: rigid frame end drive style, w/rtc adpt, w/visual dial indicating for mech, 1/2 in. male sq-drive, 175 ft-lb cap, w/case



FSN 5120-640-6364

WRENCH, TORQUE: rigid frame end drive style, w/visual dial indicating for mech, 3/4 in. male sq-drive, 0 to 600 ft-lb cap, w/case



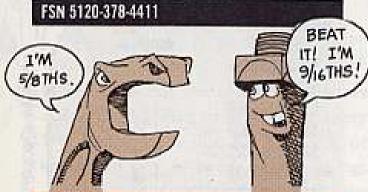
FSN 5120-221-7983

WRENCH, TORQUE:

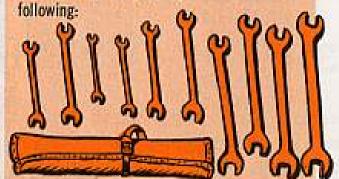
FSN 5120-853-4538

WRENCH, WHEEL STUD NUT, GEARED SOCKET: 36 in. tubr hdl, 20 in. bar hdl





WRENCH SET, OPEN END, FIXED: dble-hd type, 15 deg angle, w/ro, c/o 1 each of the



FSN 5120-317-8068	And the second	2 each
FSN	opngs, in.	o/alg, in.
5120-277-2342	3/8 K	41/8
5120-187-7123	168 1/2	5
5120-187-7124	1/2 & 1/6	5%
5120-187-7126	% & %	6
5120-277-8301	5/8 8 1/6	7
5120-224-3102	% & 3/4	7
5120-240-5609	3/4 & 7/0	8
5120-187-7131	76 & 156	9
5120-277-2693	15/6 & 1/6	10
5120-187-7133	1 &11/2	103/4

WRENCH SET, SOCKET: 1/2 in. sq-drive, hex and 8 pt opngs, w/case, c/o 1 each of the



FSN 5120-203-9573

SOCKET, SOCKET WE	RENCH:	
FSN	opng, in.	shape
5120-236-2262	×6	hex
5120-236-2263	1/2	hex
5120-236-2264	1/4	hex
5120-189-7906	1/4	8 pt
5120-242-3345	% 22	hex
5120-232-5703	×6	hex
5120-189-7907	3/4	8 pt
5120-232-5704	11/22	hex
5120-241-3186	3/6	hex
5120-189-7908	3/6	8 pt
5120-239-0016	36.	hex

EXTENSION, SOCKET WRENCH:

5120-227-8105 2 in, lg 5120-243-7325 6 in, lg

HANDLE, SOCKET WRENCH:

5120-221-7957 4 in. lg 5120-221-7960 5¾ in. lg

UNIVERSAL JOINT, SOCKET WRENCH:

1% in. lg

FSN 5120-243-1686

CASE, SOCKET WRENCH SET FSN 5140-357-5468

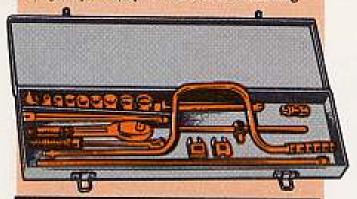








WRENCH SET, SOCKET: 3/6 in. sq-drive, 12 pt opngs, w/case, c/o 1 each of the following



FSN 5120-449-8200

2 each

SOCKET, SOCKET WRENCH:

FSN	opngs, in.
5120-232-5711	₹16
5120-227-6702	3/6
5120-227-6703	1/16
5120-237-0977	1/2
5120-227-6704	%
5120-237-4973	5/8
5120-232-5706	11/4
5120-227-6705	3/4

BIT, SCREWDRIVER: 11/4 in. lg FSN 5120-243-7332

CROWFOOT ATTACHMENT, SOCKET WRENCH FSN 5120-184-8384

CROWFOOT ATTACHMENT, SOCKET WRENCH FSN 5120-184-8397

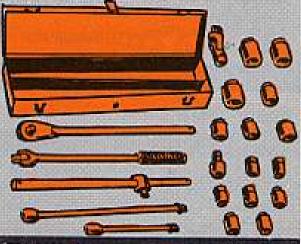
EXTENSION, SOCKET WRENCH

FSN	lg, in.
5120-227-8107	6
5120-243-1693	9
5120-273-9205	18

HANDLE, SOCKET WRENCH

FSN	lg, in.
5120-240-5364	6
5120-241-3143	7
5120-240-5396	81/2
5120-237-4969	16

UNIVERSAL JOINT SOCKET WRENCH FSN 5120-224-9215 WRENCH SET, SOCKET: 3/4 in. sq-drive, 12 pt opngs, w/case, c/o 1 each of the following:



FSN 5120-204-1999

SOCKET, SOCKET WREN	ІСН 厍
FSN	opngs, in
5120-181-6816	1/8
5120-181-6813	15%
5120-237-0989	1
5120-189-7928	11/6
5120-239-0021	11/2
5120-235-5871	11/4
5120-232-5681	1%
5120-189-7931	17/6
5120-293-0094	11/2
5120-189-7910	1 %
5120-199-7765	15%
5120-199-7768	113%
5120-199-7769	1 1/8
5120-199-7770	2

EXTENSION, SOCKET WRENCH

FSN	lg, in.
5120-273-9208	3
5120-243-7328	8
5120-227-8079	16

HANDLE, SOCKET WRENCH

FSN	lg, in.
5120-249-1076	17
5120-099-8544	181/2
5120-221-7959	20%

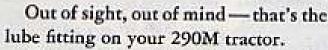
UNIVERSAL JOINT, SOCKET WRENCH:

FSN 5120-243-1687



COUPLER LUBE PICK-UP...

OUTTA SIGHT, MAN!

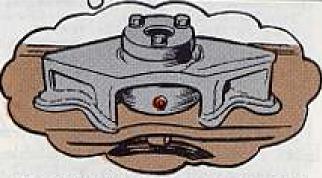


Back in the little hole under the coupler support, it sorta gets neglected and left dry until that big ball joint just freezes up.

The cure is lube enough, often enough. Lube enough means until fresh grease runs out the cracks and drives out dirt. And often enough can be every 100 hours work like the LO says, or every 3rd day in heavy, gritty going.

Lower your scraper bowl to the ground to take off the strain while you shoot in the grease.





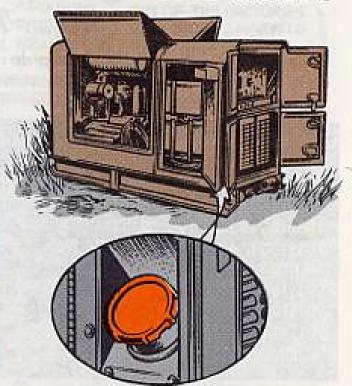
NEW 45-KW FUEL TANK CAP FSN's

Stew no more over stock numbers for fuel-tank cap and strainer on your "Stew and Steve" 45-KW generator set, Model 26200, FSN 6115-557-8744. And forget other numbers you may have heard or seen, 'cause here's the latest word:

Cap-Strainer assembly, with chain, FSN 2910-708-8125.

Cap, Fuel Tank, w/chain, without strainer, FSN 2910-529-8580

So that oughta be any flavor you need.



This is a selected list of recent pubs of interest to organisational maintenance personnel. This list is compiled from recent AG Distribution Centers Bulletins. For complete details see DA Pam 310-4 (Jun 69), and Ch 5 (Apr 70), TM's, TB's, etc.; DA Pam 310-6 (Jul 70), and Ch 1 (Oct 70), SC's and SM's) DA Pam 310-7 (Jul 70), MWO's) and DA Pam 310-9 (May 69), COMSEC Pubs.

TECHNICAL MANUALS

TM 3-1040-263-12, Sep, Compressor Flomethrower 315 CFM, AN-MAD, TM 3-4240-219-14, Sep. Aircraft, ABC-M24 All Fixed and Rolar Wing. TM 5-2410-206-20P, Oct, Tracked Tractor Cot D8. TM 5-2410-214-12, C1, Oct, D7E TM 5-2420-219-20P, Oct, Tractor Ind DED MOD 100. TM 5-3655-215-15, Sep. Gos Generaling Equip. TM 5-3805-240-20P, Sep, Ditching Machines. TM 5-3820-233-12/2, Sep, Rock Drilling Equip. TM 5-3820-238-20P, Sep, Earth Boring Equip. TM 9-2350-222-20, C4, Sep. M728 Combat Engr Vehicle. TM 10-3510-208-20P, Sep, Trir Mid M.532 Loundry Unit. TM 10-3900-223-20P, Sep. Truck, Fork



TM 11-5820-520-ESC, Sep. For Radio Sels AN/GRC-106 and AN/GRC-106A, TM 11-6625-828-12, Sep. Tost Sel, Radio AN/ARM-5A.

TM 11-6625-1830-12, Sep. Test Sel, Radio AN/ARM-5A.

TM 11-6625-1830-12, Sep. Test Sel, Groups, Rador OQ-64(Y)1/APS-94D, OQ-94(Y)2/APS-94D Operator, OV-1A-18-1C.

TM 55-1510-204-10/4, Oct. OV-1, TM 55-1510-204-10/3, Oct. U-21, TM 55-1510-204-10/3, Oct. U-1D, TM 55-1520-210-20, Nov. UH-1D, TM 55-1520-217-20/2, Sep. CH-54, TM 55-1520-228-10, Oct. OH-58, TM 55-2840-231-20P, Oct. All Rator

MODIFICATION WORK ORDERS
MWO 10-3610-215-30/1, Feb, Reproduction Set (Free issue until
24 Apr 71).
MWO 55-1500-219-30/1, Oct. Installation of Provisions for Bleed Air Line

MWO 55-1520-221-30/34, Oct, AH-1G. MWO 55-1520-221-40/3, Oct. AH-1G. MWO 55-1520-221-40/4, Oct. AH-1G.

MISCELLANEOUS LO 10-3930-623-12-1, Oct, Truck, Lift,

Fork: G.E.D. 4,000 th.
LO 10-3930-623-12-2, Oct, Fork Lift
Treck: 4,000 th.
LO 10-4930-206-12, Sep, Equip,
Lubricating & Servicing.
LO 5-6115-375-12, Oct, 100 KW 60
Cycle Gen Sets.
SB 740-2530-98-105, Oct, 2530
Compressor, Recip.
SC 5180-91-CL-R52, Sep, Tool Kit,
Telephone Repair, TK-168/GT.
TB 750-951-4, Sep, EIR Digest Weapons Command (4th Oir FY 70).
TB 750-2800-200-30/1, Oct, UK-1A-1B-1-C-1D, AH-1G, OV-1.

Get Copies of PS

Particle Separator UH-1D, B, C/M.

Jot a note off to PS Magazine at Fort Knox, Ky. 40121 if you need any back issues. Here are the ones still available:

PS Magazines 186, 190, 192, 194, 195, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218.

Urgent MWO's

Keeping your Urgent MWO records up to date can be a job if you can't latch on to the latest DA Pam 310-7. Also, some MWO's get lopped off the list, and others get added. Here's an up-to-the-minute list you can use:

MED 16 (Sep 58), C1 (Feb 59), Universal Clamp Bed Light 9-1450-500-30/8 (Jul 68), Boom Installation Kit 11-5810-221-45/13 (Sep 70) (C) 11-5810-245-35/5 (Sep 70) (C) 11-5810-247-45/1 (Oct 70) COMSEC Equip HYL-3/TSEC 55-1510-209-20/8 (2 Jul 70), C1 (24 Jul 70), U-21 55-1510-209-40/2 (Jul 68), U-21A 55-1500-206-20/2 (13 Dec 68), C1 (20 Dec 68), UH-18, UH-1C, UH-1D, UH-1H, UH-1M

55-1520-206-30 / 9 (Dec 69), OH-23D, OH-23F,
OH-23G

55-1520-214-20 / 8 (Oct 68), OH-6A

55-1520-214-30 / 23 (Jun 68), C1 (Nov 68), OH-6A

55-1520-221-20 / 13 (Jun 70), C1 (Oct 70), AH-1G,
TH-1G

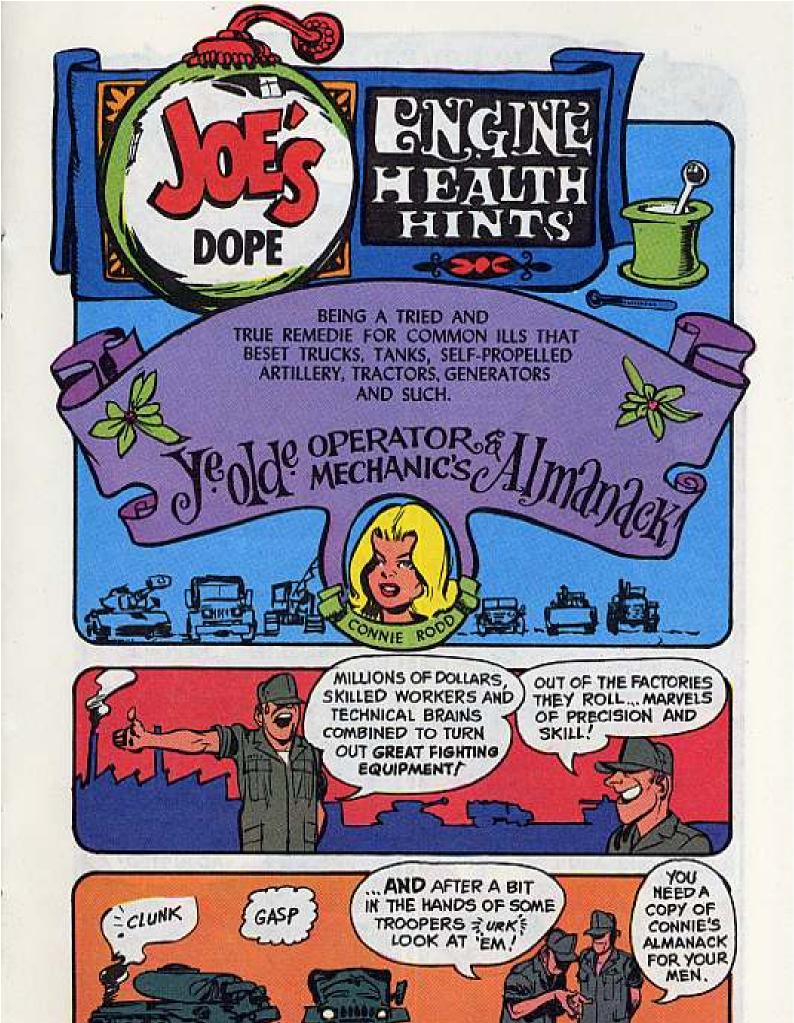
55-1520-224-20 / 1 (Feb 70), OH-13E, OH-13G

55-1520-228-30 / 2 (Jan 70), OH-58A

55-1520-228-30 / 3 (Mar 70), OH-58A, C1 (Sep 70)

55-1520-228-30 / 4 (May 70), OH-58A

55-2840-231-30 / 1 (Aug 69), OH-6A, OH-58A

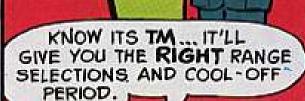






WARM UP YOUR ENGINE, BEFORE YOU PUT IT UNDER LOAD!

KNOW JUST HOW HOT YOUR ENGINE SHOULD GET... AND KEEP IT RIGHT BY FAST IDLING!





MECHANIC



IF THE ENGINE'S RUNNING TOO HOT, COOL OR SLOW, FIND OUT WHY AND CORRECT IT.

MOST LIKELY IT'S THE COOLING
SYSTEM WHEN YOU'YE GOT AN
OVERHEATED ENGINE -- REPLACE
THERMOSTATS...CHECK RADIATOR
CAPS 'N' SPRINGS ... FLUSH
COOLING SYSTEM ... REPLACE
FAN BELTS OR ADJUST THEM!

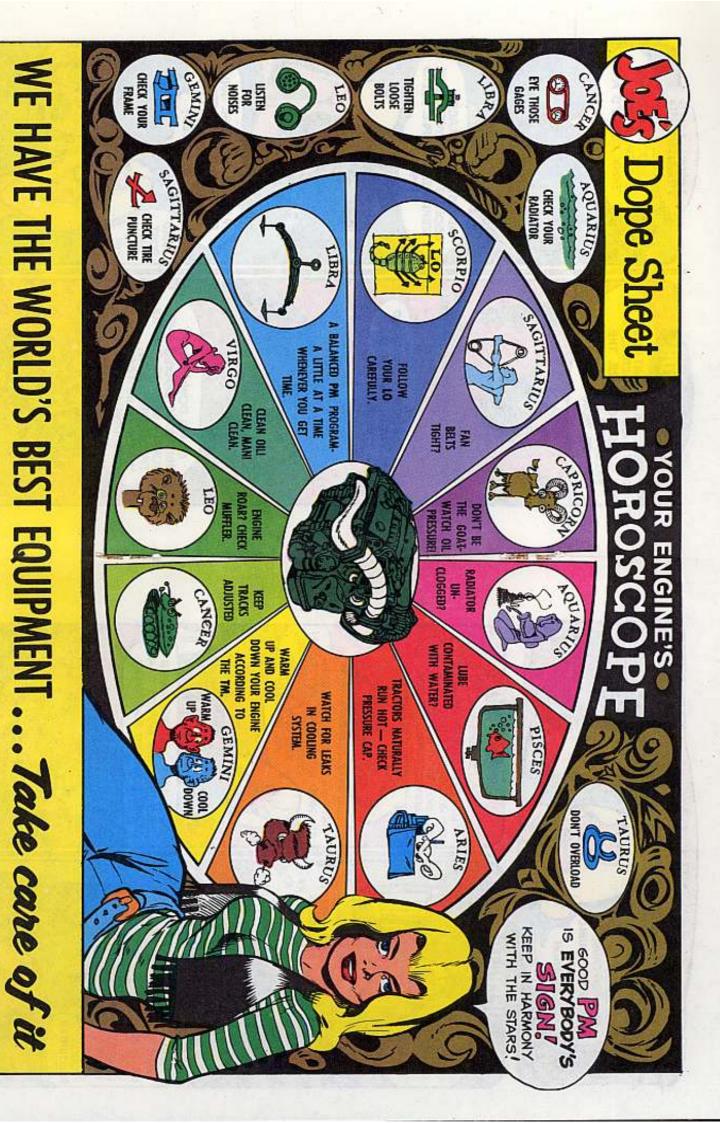




























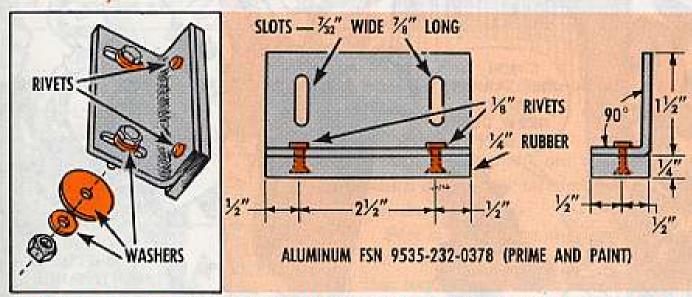


Dear Windy,

When the main landing gear doors on our Seminole (U-8) are closed the rear ends seat against the rear edge of the nacelle.

During flight this metal-to-metal contact chafes the bottom of the engine nacelle, causing a lot of wear and extra sheet metal work. The door hinge also takes a beating.

To stop door chattering and save some moola we came up with this little door stop which is easy to make.



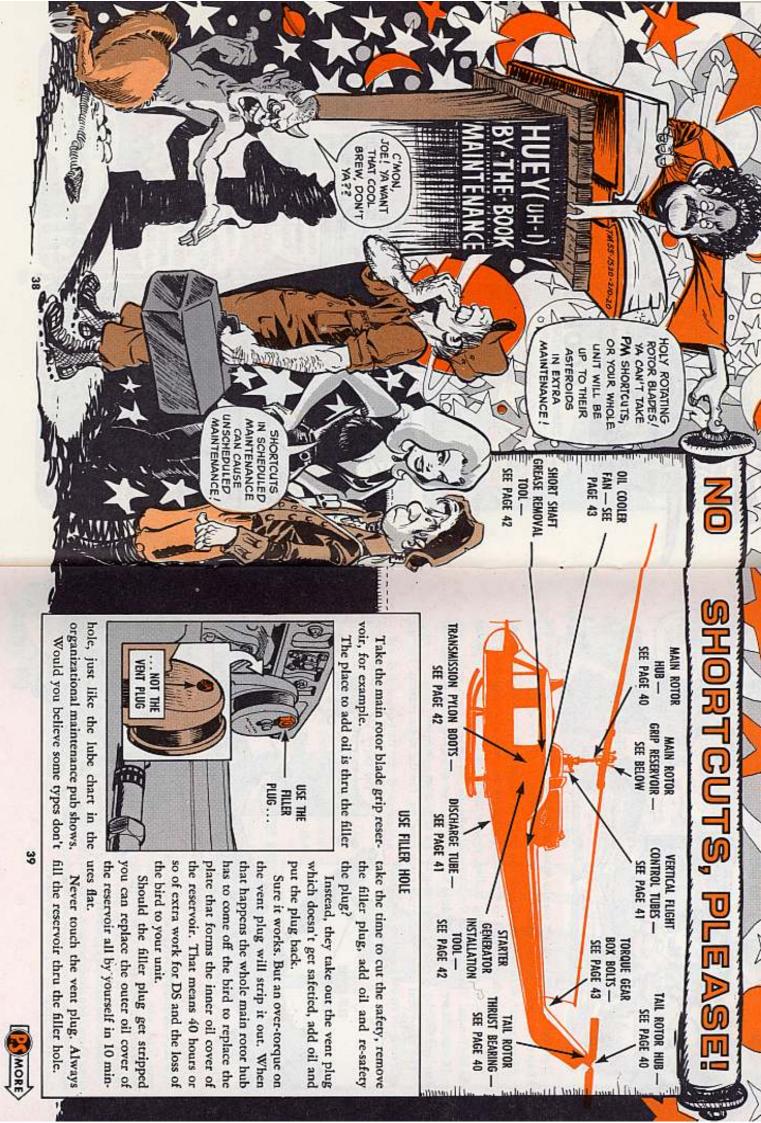
Put the door stops (one per wheel well) on the U-channels at the rear end of the landing gear wells so that the rubber bumper strip on the stop contacts the landing gear doors equally when the doors are closed.

Drill 0.187-in holes and fasten the door stops to the U-channels using 3/16-in diameter bolts, washers and nuts.

Make a vertical adjustment of the door stops to give slight pressure of the doors against the rubber strip when the doors are closed . . . works like a charm.

Hardell L. Shipp Ft. Eustis, Va.

(Ed Note — Good show! Your door stop is similar to one published in TB 750-991-2 (Apr 69). Either one will work just fine.)





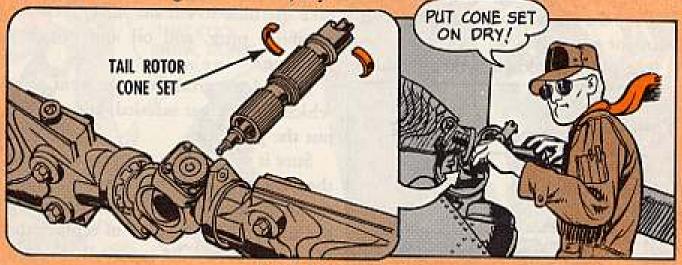
Put the matched cone set on the mast without any coating of grease on the 2 halves to "hold 'em in place."

How come? Well, the motion of the head in flight will squeeze the grease out. You'll lose the 520-780 foot-pounds torque on the mast retaining nut.

'Tain't exactly a comforting feeling to lose torque on the "J" nut that holds the big fan on! The groove in the mast will hold the cone set.

If, per chance, you should drop the cone set, you can't tell if there's internal damage. So, play it safe by scrapping the set and using a new one.

The same deal goes for the tail rotor cone set, for the same reasons. Put the split cone set on the gear box shaft, dry.



When you put the tail rotor back on your bird, easy does it with the new one-piece thrust bearing, P/N 204-011-769-3.

Some mechs use heavy pressure on the outer race. Then the inner race stays put while the outer race goes forward and the ball bearings fly all over the place!!



Save the bearing by using hand pressure on the inner race to seat the bearing on the pitch change rod. Then add the washer and nut.

hand presche bearing en add the COAT HANGER, TYPE A-1

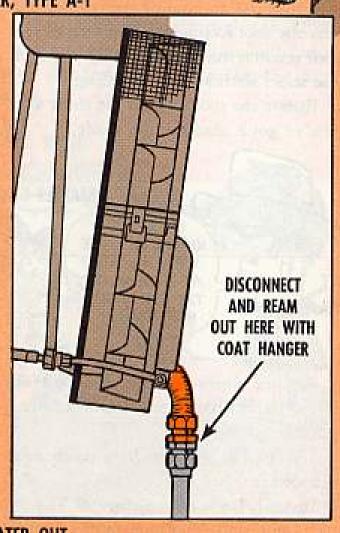
By-the-book maintenance, backed up by OJT knowhow, will keep your baby on the available list.

Take the self-purging sand and dust separator that protects the T-53 engine inlet. It does a sweet job of ejecting dirt overboard.

The discharge tube may block up, tho, if you're operating in a really dusty area. It's a good idea to put your hand under the discharge tube when the engine is running to feel for the flow of air.

If you don't feel air which carries the dirt overboard, try this for size:

Latch onto a metal coat hanger. Disconnect the separator and insert the wire into the tube from the top, down. That'll unplug any jam-up in the works.



KEEP WATER OUT

Pulling maintenance in the wet season, like in the dry season, calls for a little extra PM.

Focus on the vertical flight control tubes during a Periodic, for one.

Water can enter those tubes where the rod-end bearing threads into the upper end of the tube. Water leads to corrosion.

To head off this sort of revoltin' development make sure the inside of the tube is dry and free of corrosion. Then, use scaling compound, MIL-S-8802, FSN 8030-723-2746, on the upper rod threads during your inspection and when you make a rod adjustment.



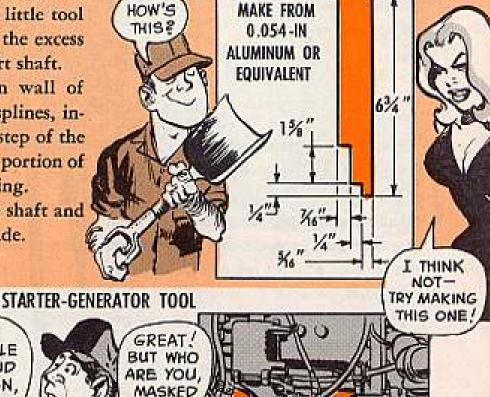


MAKE GREASE REMOVAL TOOL

While you go about your maintenance chores, here's a dandy little tool you can make for taking off the excess grease when packing the short shaft.

To get the 0.020-0.030-in wall of grease above the top of the splines, insert the tool so that the first step of the tool rests on the smooth wall portion of the short shaft's inner coupling.

Rotate the tool around the shaft and you've got it made in the shade.



IF YOU'RE
HAVING TROUBLE
WITH THE STUD
AT HIGH NOON,
TRY FSN 5120878-6153.

Anyone who's been around the Huey any amount of time will clue you it's about impossible to put on the starter-generator mounting nut at the 12 o'clock position.

MAN 2

The stud is so difficult to reach some mechs even leave it off. Tain't recommended.

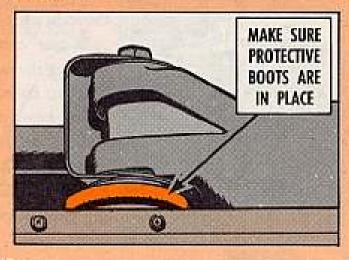
Instead, latch onto a copy of TM 55-2840-229-20P (Jun 70) on T-53 repair parts and tools. You're authorized special box wrench, LTCT T3938, FSN 5120-878-6153, that'll fit those close quarters.

KEEP YOUR BOOTS ON

When you inspect your baby be sure you button 'er up again.

Especially the transmission pylon rubber mounts.

When you lift the boot covers to eye the mounts for deterioration, put the covers back. 'Course, if that synthetic-base transmission oil gets on the mounts, goodbye mounts—eats 'em something fierce!





DIRTY HIGH FREO?

Ever spend days and days looking for the source of an airframe high frequency vibration? Sure you have.

A short-timer can clue you on the cause of most of them—the oil cooler fan.

Dirt hits the fan and settles to one side, throwing the blades out of balance. With the high fan RPM it's easy to see how you can get an airframe high freq.

You can't stop dirt from hitting the fan, but you can keep it clean.



Anytime you take a part off your bird and put it back, eye Table 2-5 in TM 55-1500-204-25/1 (Apr 70) on general maintenance. It'll give you the torque to use on most of the nuts and bolts for your baby.

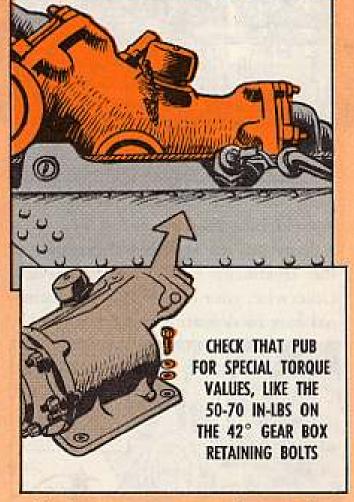
Any special torque values are right in the bird pub.

Take the intermediate (42-degree) gear box, for example.

The 4 gear box retaining bolts that go into the nut plate to hold the whole shebang in place have to be torqued to 50-70 inch-pounds and safetied. 'Course, a steel washer goes under the head of each bolt and an aluminum washer between the steel washer and flange, in the first place.

Any loss of bolt torque can give you a loose gear box, elongation of the mounting flange holes—and maybe an autorotation in the bargain.

So, stick with the torque limits and the maximum allowable wear limits for the holes in the flange.



Yessir-e-e-e, run your fingers thru the white pages of the pubs when you pull maintenance. They're revised all the time just to keep you "in the know."



CASE OF DOWNTIMEITUS CAUSED BY PLUG FUZZ; YOUR BIRD'S GOT A BAD THIS ISN'T GOING TO BE EASY. DOWN, PETER PILOT ... YOU BETTER SIT

KIOWA CREW CHIEFS... BE A

STORY THE PARTY OF THE PARTY OF

BACTURE TO THE PARTY OF THE PAR

HANDLING IS THE ONLY

PLUG CARE!

CHIP DETECTOR DOCTOR

SOLUTION TO CHIP DETECTOR



Knucklebusters. plug on your OH-58A needs TLC, Every electric magnetic chip detector

nal case of downtimeitus. Otherwise, your bird will have a termithe treatment with Code 6 service. Dote on 'em and they'll respond to



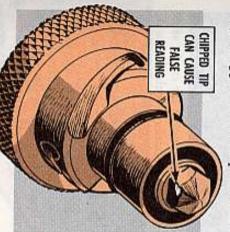
chip Stuff. plugs, broken or loose wires and terminals, rough handling - that make It's the itty-bitty gremlins - fuzz on detector doctoring nitty-gritty

causing the T/R CHIP DET caution coo hours diagnosing the symptoms light to blink ala haywire. F'instance, a Kiowa crew spent boo-

bird down PDQ. He thought there were reason enough for Peter Pilot to set his foreign particles in the tail-rotor-gear Naturally the blinking light was

plug was replaced. Another run-up. ing light . . . set down. This time the Run-up . . . take off . . . another blink-The crew chief cleaned the plug.

> maybe stepped on, and the point nicked. chip detector plug had been dropped, takcoff. No sweat . . . complete recovery Somewhere, some time the magnetic Final diagnosis: Mishandled plug.



WHERE SHE I WONDER PICKED IT

WIRING TO ME ...

17 LOOK'S

THINK, BEN? WHATTAYA

55-1520-228-20 (Oct 70) is prescribed. 12 of your PM doctor's manual, TM Use correct tools for surgery, i.e., to Careful reading of Chaps 5, 7, and



THE X-RAY **HOLDING** YOU'RE

ing. This'll save breaking wires, tertrical lead before pressing the detector minals. in, turning counterclockwise, remov-Be sure to back off the nut on elec-

aged threads, bayonet pins. Clean T/R with lint-free cloth. plugs with P-D 680; transmission plugs Inspect plugs for stripped or dam-

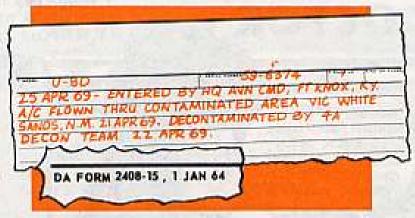
Make sure they're not bent or grounded Eyeball terminals c-a-r-c-f-u-l-l-y.

off on the worksheet. it, check it out from A to Z before signdentally bump one, or drop a tool on in a chip detector plug area and acci-Any time you're examining your bird

DATE - DONE AT - DATA

Dear Half-Mast,

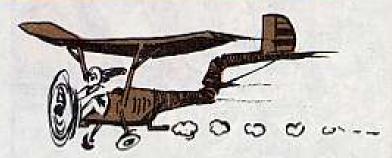
For aircraft historical entries on DA 2408-15, para 4-14c of TM 38-750 says enter date, historical data and name and location of activity that makes the entry. Fig. 4-25 has these entries in 1-3-2 order. What's right? F. W. T., DAC



Dear Mr. F. W. T.,

With 2 "right" answers, you could take your pick. But the 1-3-2 answer in Fig 4-25 of the TM is preferred.

Half-Mast



SCRAP'EM LOCALLY

Before you air types pack chopper rotor blades into a container for shipment to overhaul, eyeball the repair limits in all bird organizational maintenance pubs. What with shipping co\$t\$, it's cheaper if you scrap a blade with a shot-up spar (one that is obviously junk) than for the manufacturer or depot to dump it!

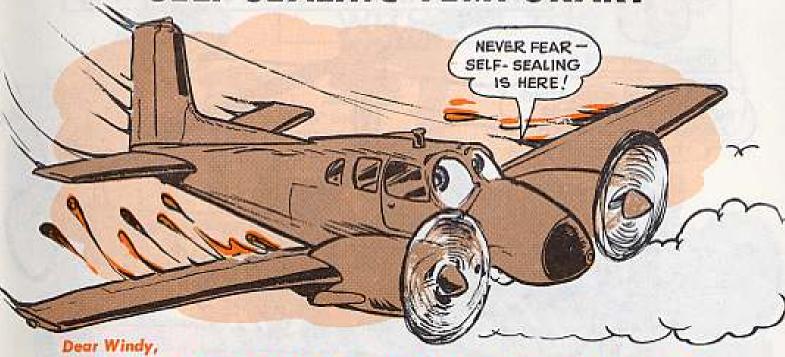


When you Mohawk (OV-1) mechs eyeball the engine mount for cracks after an engine removal, the magnifier in your aircraft organizational maintenance A, B, and C tool sets will do the trick. Dye penetrant inspect any suspect area, tho.

A SNAKE'S LO!

Unusual operating conditions call for stepped up lube jobs. Like maybe you AH-1G jocks have monsoon-type missions or dust and sand sorties. That Snake's tail-rotor grip assembly gets extra abuse—needs extra TLC. So, GAP purge it every PMI 'stead of every 100 hours and save your tail-rotor bearings.

SELF-SEALING TEMPORARY



One of the self-sealing tanks on our Ute (U-21A) was punctured, but after a few minutes it worked as advertised and the leak stopped.

Does the tank now need repair, or do we continue to use it as long as it's not leaking?

Dear Sergeant R. H.,

The tank has to be repaired as soon as possible because the self-sealing feature is a temporary fix.

The MAC in TM 55-1510-209-20 (Mar 69) says field maintenance can repair it.

The repair info's in para 5A-186 of TM 55-1510-209-35 (Mar 69) backed up by para 3-254 of TM 55-1500-204-25/1 (Apr 70) on general maintenance info.

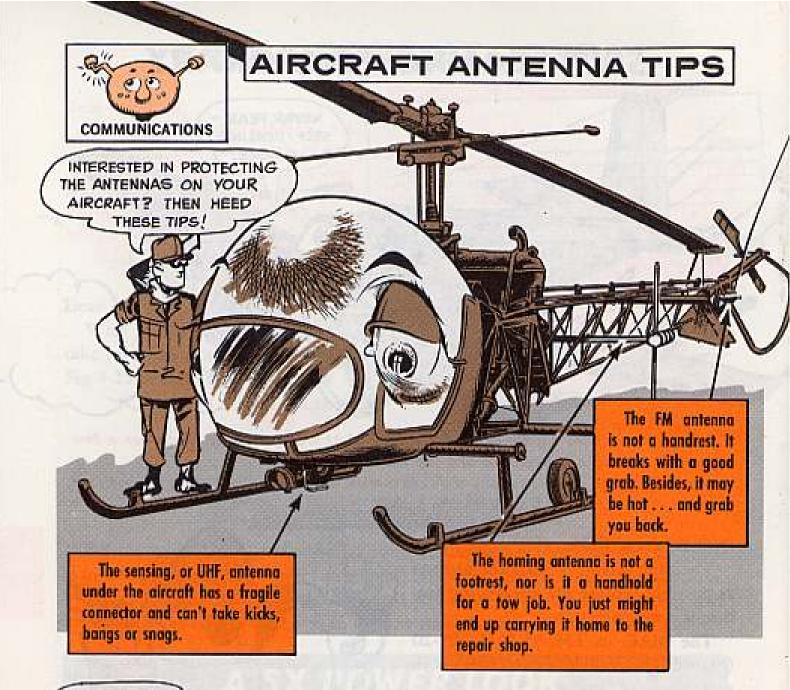


MORE FREQUENT LOOK

Sure, you Huey (UH-1C/M) mechs dye penetrant check the stabilizer bar tubes for cracks every Periodic inspection. Play it safe by eyeballing 'em during the Daily and Intermediate, also. Dye check any suspect tubes.









If sand and grit are getting to the blower motor of your AN/ARC-102 radio set's transmitter, and you don't have a new filter you may need a turnaround.

Like, turn the filter around . . . so's the new foam rubber insert is closest to the blower frame. That keeps FOD from slipping through the filter or the

crack next to it, where it would jam the blower motor and cause the set to over-

hear.

What's more, the filter is secure enough so that it cannot slide to one side . . . and that helps keep out crud.

Remember: There's no substitute for a new, clean filter. Use a new one when you can get it . . . and need it.



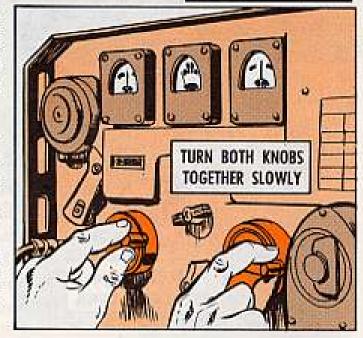
Whether you're movin' along with the AN/GRC-106 radio set or one of the new A models, you've got mighty dependable communications.

In handling your AN/GRC-106() radio set, make sure you don't put the HV RESET switch on TUNE until you have primary voltage. A cold set can be jolted with high voltage and go out of commission with a cracked neutralizing capacitor.

If you're adjusting the ANTENNA TUNE and ANTENNA LOAD of the AM-3349 amplifier and can't get the meter indicators to center at the same time, try this:

Turn both knobs together. If the meter needles are left of center, turn the knobs right . . . slow . . . until the needles center. If the needles are to the right, turn the knobs left.

Any time you change frequencies on the RT-662 receiver-transmitter, you'll need to center the LOAD and TUNE meter pointers.





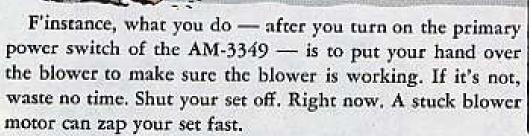
OPERATE

HV RESET

And if you relocate your set, check the LOAD and TUNE meters and recenter the pointers, if necessary. This'll make that tuning capacitor last longer.

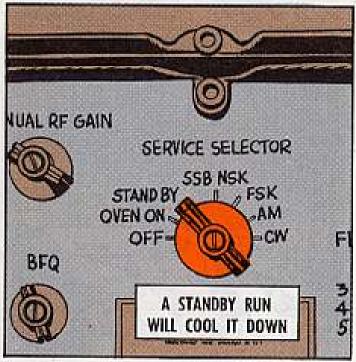
Some real togetherness with your





Incidentally once you turn on the primary power, leave it on. Remember: turning the RT-662 SERVICE SELECTOR switch to OFF, turns off the entire AN/ GRC-106. So unless you plan to remove one of the major components, leave the SERVICE SELECTOR switch at STANDBY.

Always check to see if the right antenna (whip or doublet) is connected to the RF output. And it's a fine idea to inspect the antenna connections for broken leads, loose connector, etc.





FEEL IT . . .

HE'LL HAVE TO RECHECK 'IS LOAD

AND TUNE METERS

Before you close down your radio set every day, set the SERVICE SELECTOR of the RT-662 receiver-transmitter to STANDBY and let it run for a couple of minutes.

This'll draw off the heat in the final amplifier and save the transistors.

The AN/GRC-142 radio teletypewriter set, of which the Angry-106() is a component, requires a single-phase 120-volt input when it's connected to an AC source.

In fact, single phase should be used for connections to any source.

The 3rd wire in the AC power cable (CX-10951/G) is a common ground which you should connect to the frame ground of the generator.

POP!



If you're using generator PU-619 with the -142, for example, the 4-position switch should be placed in the 120 1 PH position. The AC power cable from the AN/GRC-142 (or AN/GRC-122) should be connected like this:

The black lead, 115VAC, attaches to L2 or L3 of the generator. The white lead, Return, goes with L2 or L3. The green lead, AC common, connects with the frame ground of the generator.

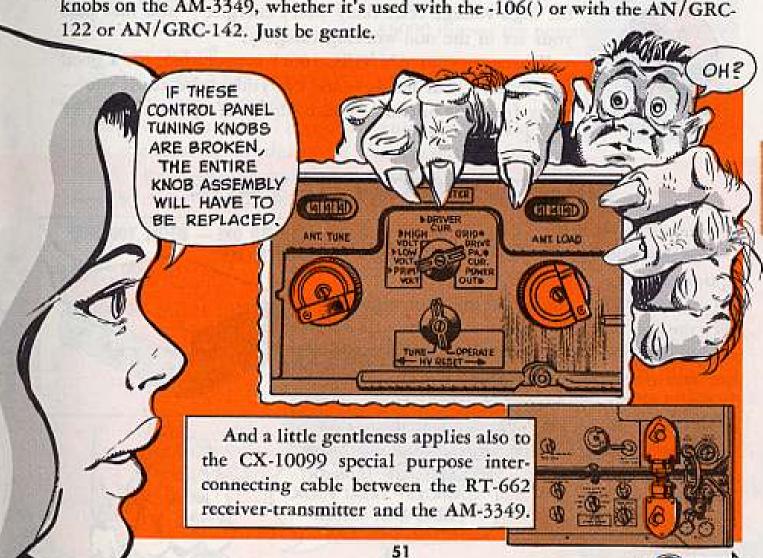
If the connection isn't made to a single-phase source, there can be damage to components of the -142 or -122,

> It's mighty easy to break the primary power switch on the AM-3349 amplifier. If you give it any hard turns, the switch snaps.

> So, better recognize its delicate constitution and render it all possible cooperation.

> That easy touch'll work wonders at keepin' your AN/GRC-106() alive and hummin'.

It's the same situation with the ANTENNA TUNE and ANTENNA LOAD knobs on the AM-3349, whether it's used with the -106() or with the AN/GRC-



In handling this cable, you could break the flexible portion and a short could be the result.

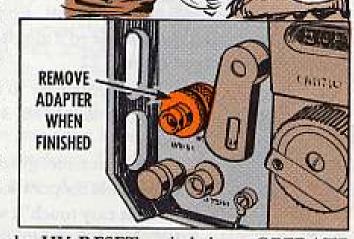
Here's how to do it:

Screw in both connectors at the same time, that way you make the pressure on both connectors even.

If ever you leave the UG-201A/U adapter on the 50-ohm line after you're through with it, man, you're nowhere.

The adapter connector holds the antenna switch open, which knocks the whip antenna out of operation.

The solution to this is not to leave the adapter on the 50-ohm line when you're finished.



ON:



Better make sure the HV RESET switch is on OPERATE before you turn off the set. If you leave the switch on TUNE, the high-voltage reset relay won't energize—and that puts your set in the non-working category.

IS THIS

Whenever your AN/GRC-106() is operating, it's a good idea to keep your hands—and everything else about you—away from the antenna. You could come up with some RF burns.

NIGHT VISION SAVERS

Every little bit helps.

And that goes for PM possibilities on night vision equipment.

One bit: When you're storing your night sight, keep the case cracked open for a few minutes before you snap it shut. Helps cut moisture build up on the lens and electrical connectors.

Two bits: If your sight or case does get moist, don't dry it in the sun or in a hot bunker. Pick a shaded area and let it dry natural. Sunlight hurts; bunkers are moist hor.

TIDBIT FOR MIDNIGHT COWBOYS - TREAT YOUR SIGHTS LIKE THE FINE OPTICS THEY ARE.







Like a drunk behind the wheel, you best serve your buddies when you get him off the road.

Cases in point: The A1000 and A6000 module boards in AN/VRC-12 series radio sets.

Jokers by the dozen remove the covers of those dudes . . . and foul 'em up.

Chief targets are the A1400 and A1500 capacitor tuning slugs in the A1000 assembly. Fiddling with the tuning slugs throws your equipment off frequency.

Messing with the tuning slugs in the A6000 throws the power amplifier driver and grid voltage off.

And you've got a job for support . . . which should have been the only people adjusting the slugs in the first place.

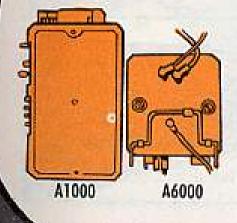
Like, who's kidding who? If you're not qualified to make the adjustment, don't! Besides, the odds say no adjustment was necessary, or helpful.

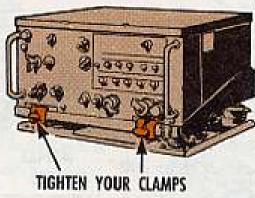
Coupla' longstanding reminders on radio sets:

Remember to tighten the clamp when you put a component in a mount. Reason — obvious!

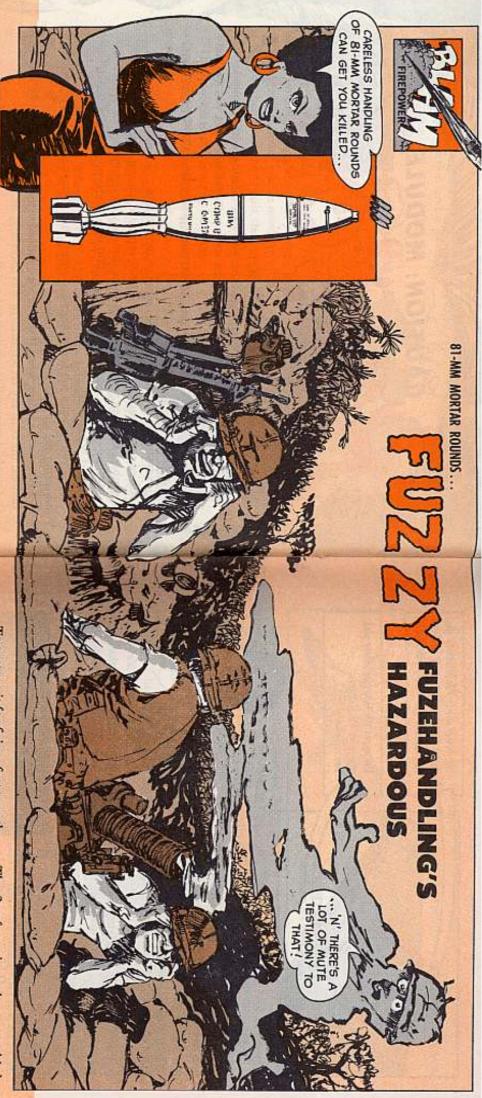
Turn off your radio before you start or stop your vehicle. Otherwise, you'll damage the set!

HANDS OFF MODULE BOARDS









... So take a minute to learn how these fuzes operate. It is better to read about box scores than to be part of them.

And speaking of reading, be sure to bone up on that fuze news in TM 9-1300-203 w/changes.

THE M524A5 FUZE

The M524A5 is designed for superquick impact action with greater sensitivity and speed than fuzes formerly used with 81-MM cartridges. It'll work on either point impact or graze contact.

In addition to being bore safe, it's designed not to go off closer than 200 feet from the end of the tube.

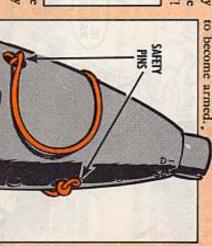
> MS24AS FUZE

> > To prepare it for firing, first turn the slot in the striker (at nose of fuze) to aline with SQ or D index on fuze body depending on which you want. (The SQ position gives immediate—POW!



—action when the round lands while the D position sets it off after a delay of 5/100th of a second.)

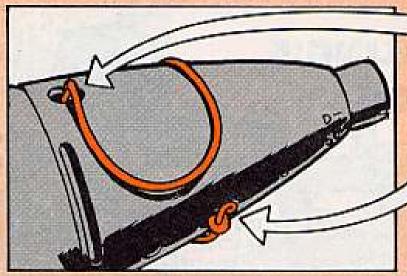
The 2 safety pins, when assembled right, make it impossible for the fuze to become armed.







54



The lower pin (setback safety pin) holds a setback so it can't operate. You remove this safety pin first.

The upper pin (plunger safety pin)
meshes with the plunger.
You remove it last.

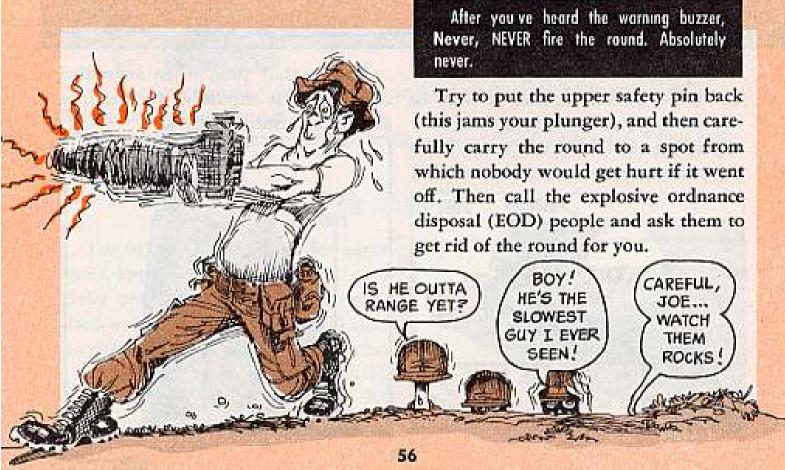
Never remove either pin until just before firing.

If you can't get the upper safety pin out (like, say, the securing eye of the pin breaks away) the round will not arm. It will be a dud so don't bother to fire it. On 'tuther hand, it's not dangerous to dispose of.



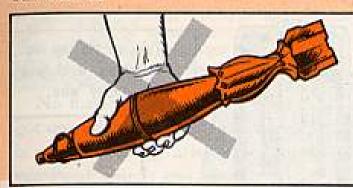
But if you hear a buzzing sound when you remove the pull wire on the upper pin think of it as a rattlesnake-type warning because that's exactly what it is.

This buzzing means that the plunger has moved toward the armed position even though it has to get all the way there before the fuze is armed.



But suppose you can't get the upper safety pin back in?

In this case the fuze may already be armed, so you have to be even more careful with it.



When holding a fuzed round you never hold the point down or put the round through any movement that could cause the plunger to move forward against the creep spring. Either of these motions could cause the detonators to move forward against the firing pins and blow the round.

If you even suspect that the fuze is armed, you don't fire the round. You don't repack it. You don't even handle it except to put it aside under guard until the EOD people come. When you handle it you hold the round vertically with the fuze striker assembly (nose) up.

Sure, it's handy to have a big pile of rounds with all safety pins drawn ready for firing. But that's a big cause of accidents, because with the pins pulled the rounds become armed if they get a little rough handling. Once they're armed, it just takes one more wrong move to set them off. YOU SIT ON THAT BUCKET TILL THE EOD GUYS GET HERE.



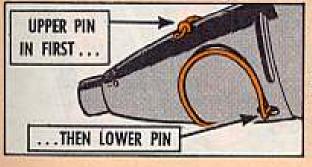


So pull the pins just before you fire. Pull out the lower safety pin first and then the upper.

If there's a change in plan and you don't fire the round, put the pins back in before you move the round.

Do this just the opposite from the way you pulled them originally—put the upper pin in first and then the lower.

If you can't get both the upper and the lower safety pins back in place, put the round aside for the EOD people. You never, but never, put it back in its fiber container or other packing unless both the safety pins are in place.





XM716 POINT DETONATING FUZE

But suppose the 81-MM rounds you have are equipped with the XM716 fuze. Here's what you look for by the numbers:

- Take the round out of its packing to check it for damage. Make sure the safety wire, the cap seal (tape and disk) and the bore-riding safety pin are all in place.
- With the safety wire out, press and release the boreriding safety pin to see if it moves freely. (If there is no movement, the fuze is bad and the round would probably be a dud if fired. However, instead of firing it you put the round aside for the EOD gang.)

2. Take off the cap seal (tape and disk) and the safety wire.

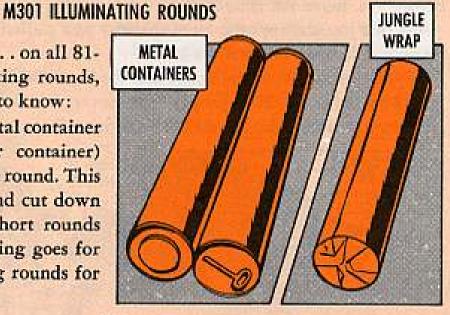
4. Important: If the bore-riding safety pin is missing when you unpack the round or if it becomes unseated or ejects when you pull the safety wire or when you push on the safety pin to test for movement . . . if any one of these things happen, the fuze is now armed and dangerous. Put it aside, under guard, for the EOD. If the striker is hit, the round will go off.



On rounds prepared for use but not used, replace the safety wire and tape and disk, and return the round to its original packing. Rounds prepared for use but not used should be marked so you can fire them first next time.

Speaking of packing . . . on all 81-MM M301-series illuminating rounds, this is something you need to know:

Leave the seals on the metal container (or jungle wrapped fiber container) until just before you fire the round. This will keep the round dry and cut down on the number of duds, short rounds and misfires. (The same thing goes for the M83-series illuminating rounds for the 60-MM mortar.)



M551 DETENT SERVICING

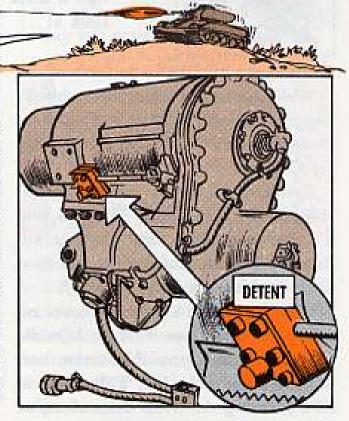
OK - THAT'S 100 -NOW BACK TO THE SHOP FOR DETENT SERVICE.

No matter what kind of detent you got on the gun launcher of your M551 it needs servicing after every 40 conventional rounds you fire.

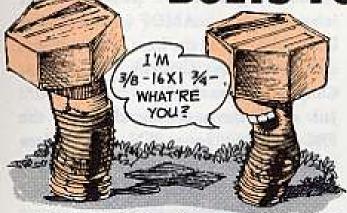
Change 9 to TM 9-2350-230-12 (Jun 66) brings this out.

Your cheerful company mechanic replaces preformed packing every time the detent is serviced.

Use DA Form 2804-4 (Record of Rounds Fired) to help clue you in on when the detent needs to be serviced next.



BOLTS FOR BASES

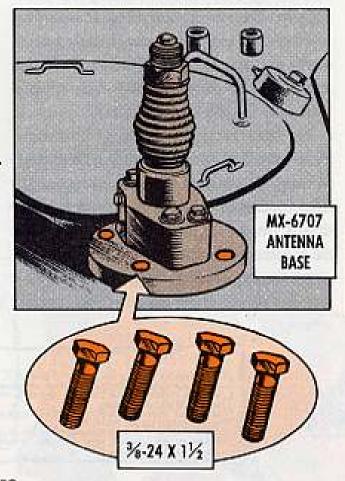


Bolts can be B—A—A—D for your M551 recon scouts—if they're the wrong size.

If you got the 3/8-16 x 1-3/4-in variety with your AT-912 antennas, then you've got the wrong bolts for installing the AB-719/VRC antenna support base.

Latch onto the 3/8-24 x 1-1/2-in size, under FSN 5305-269-2807.

You need the 3/8-16 x 1-3/4-in bolts to mount the MX-6707 base of the AS-1729 antenna.





TAKE A CLOSE LOOK AT ...

0

What can SB 700-50 do for you?

bugger. It covers thousands of different

Well, just take a look at that chubby

items and some 600 FSC's (Federal Sup-

able, doesn't cost more'n 25 bucks, and likely find it authorized by the SB. thorized by some other pub, you'll most it's not reportable, controlled, or au-Specifically-if an item's expend-

SB's covering the items themselves, or supplies. Those expendables are authorpair parts, ammo, medical, or heraldic the equipment concerned. ized by other pubs like TM's, CTA's, Hold one - the SB doesn't cover re-

supply SOP on expendables. If there's a store instead of going through supply outht can use its charge account at the self-service supply-center handy, your SB, though, be sure to check your local channels for SB 700-50 items. Before you order anything from the

expendables in the various supply use Chap 2, Chap 3, or go elsewhere for wrong on your request. Same goes for tion" section carefully so you'll not go footnotes will clue you on whether you items on an "as required" basis. The the footnotes in Chap 2, which OK's Be sure to read the SB's "introduc-



through like it says in the footnotes. Just check the note-code alongside the Chap 2 to order the item "as required". ized in the SB's Chap 3, you can use Data File) — and the item is not authorin your support's AMDF (Army Master you have a good FSN - If it's included FSC covering your FSN, and follow Chap 2 lists only the FSC's. But, if



is required by your unit when the dean item in Chap 2 is whatever quantity And, your authorized allowance for

square off like this: Item's Nomenclaand the section's column headings (Mobilization), and Application (usage thorized in PT (Peacetime) and Mob ture, FSN, Unit of Issue, Quantity aution lists the supplies alphabetically, supplying the different FSC's). Each secthe Army commands responsible for for each commodity command (that's In Chap 3 you'll find separate sections

> before you make up your request. tion" column. So, always check there fits only. That info's in the "Applica-Some items are OK'd for specific out-



head-count by the info in the Quantity tion column. You just multiply your SB's Quantity column and its Applicaoutfit's head-count and the info in the item listed in Chap 3, you need your To find your initial allowance for an

the SB. item, you can increase your stockage records or expected demand info for an initial allowance listed for an item in allowance up to 10 percent above the When you're backed-up by usage

yet, get SB 700-50 and its changes by needed. So, for the latest dope on the SB year, and changes are published as keep an eye on DA Pam 310-4. Better maintaining, and using supplies OK'd you use AR 735-35 SOP for requesting, pinpoint on DA Form 12-9 (Block 608) by the SB. The SB gets updated each Like with other expendable supplies



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NOW THEN IN THE PIC ARE LITTLE TO CAPTER 3. THEFTON ALL RESPONDS IN THE PIC.

THE ALL AUTHORITIES IN ACCORDANGE WITH AN ANGLIO, EXCEPT THOSE TRANS

APPLICABLE TO TACKITS AND TAKES CONTINUES, AND ARROSS AND AS STADS.



How do I get a repair part when it's not in the parts manual? No FSN, no part number, no nomenclature listing, no picture, no mention at all — no nothing.

I run across this problem with equipment that's been in the field for years. Changes to the parts manual have never picked up the part.

I also have this trouble with now equipment, which may be just a case of parts manual changes lagging a little behind issue of the equipment.

What's the answer?

SPS J. P. J.

Dear Specialist J.P.J.,

If the MAC in the equipment's TM say's you can replace the part, all you have to do is list the maintenance manual, along with the parts manual, in Block 0 of your DA Form 2765, like it says in para 4-1, AR 735-35 (Nov 70).



True, sometimes, the trouble may be parts manual lag. The part has an FSN, it's on the shelf and available through normal supply channels, but you won't get the word on it until your parts manual is up-dated.

REPAIR PART

So, what are you supposed to do in the meantime? Well, that's when your close contact with your direct support (DS) unit really pays off. 'Cause when you suspect your parts manual is short-changing you, all you have to do is tell it to your DS, like it says in para 9, and fig 1, AR 710-7 (Sep 70).



If a part's not on the shelf, your DS can still help you through their other backup supply sources—the can point, local purchase or local manufacturer, or by borrowing from neighboring DS units, etc.

The big thing you have to do is give your DS as much info as you can on the needed part—the part's description, manufacturer's part number, where the part fits, what it does, the publication (if any) listing the part, the major end item it's for, etc.

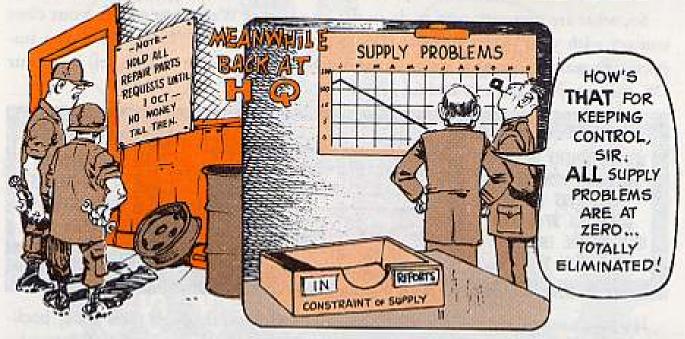
You can put the info on the back of your DA Form 2765 request, or on a separate piece of paper and attach it to the 2765. Some DS units even provide a local form for listing the exception data on such requests. So check with your DS. It's their job to help you with your maintenance supply problems. That's why they follow you around in the field.

A lotta guys write to PS looking for FSN's for parts that're not listed in the parts manuals, or anywhere else. Sometimes it turns out there's an FSN assigned that's not been broadcast in any way. More often than not, the item has not been given an FSN for one reason or another.



The big point is, FSN's are the best way of identifying an item—but not the only way. The supply system does not come to a screeching halt just because there's no handy FSN. Any unusual amount of time you spend searching for an FSN not listed in your pubs will just slow down your supply action. Give your support what info you can, and they'll provide the parts—if they can be had.

CONSTRAINT OF SUPPLY REPORT



Are your demands for repair parts stacking up for some reason or other, like:

- 1. You're told your command is out of money.
- 2. Support (or higher supply) has put a hold on all requests except those which rate top priority IPD's.
- 3. Your shop doesn't have a PLL man, and no one else can be spared to bird-dog the supply paperwork, or to pick up supplies, to store, maintain, and issue the PLL stocks.
- 4. Or, may be your outfit doesn't have a safe place to store the items you need.

Well, what have you done about this situation?

How about a constraint of supply report, as called out in para 2-9, AR 735-35? The AR calls for a constraint of supply report when your outfit has any problem that keeps it from submitting routine requests for supplies. And, the report is due 2 work days after a problem shows up. The report (from your CO) goes to your next higher headquarters. Then it's up to headquarters to rustle up help to break the bottleneck.

The AR tells you the action you can look for.

The report is due on No-Go requests for repair parts and other supplies.

HERE'S AN EXAMPLE OF WHAT TO PUT IN YOUR CONSTRAINT OF SUPPLY REPORT!



SUBJECT: Constraint of Supply Report (RCS AMC 175)

- 1. Reference AR 735-35, para 2-9, Constraint of Supply Report.
- a. Funds are not available and are required for replacing shortages in the basic issue items list for 2 (two) M62, 5-ton wreckers (FSM 2320-835-8325, LIM 163299, MTGE 6-651CM),
- b. Requests for replacement items have been returned marked "re-submit on I October 1970."
 - c. Funds will not be available from 28 July 1970 to 1 October 1970.
- The 49th Direct Support Company has notified all units in the command to suspend requests except those authorized IPD 5 until 1 October 1970.
- a. Request funds be authorized for replacement from for at least 1 (one) of the brackers as soon as possible.
- b. Transfer or loan of items from another unit, until funds restriction is lifted, will be acceptable and will alleviate current difficulties in recovery operations of this unit.

Wrecker Light

If you want to know how to mount a rotating warning light on your M543 5-ton wrecker, check the detailed instructions and drawings in Article 3-22, TB 750-981-3 (Jul 70). This poop covers wreckers with either soft-top or hard-top cabs.

Those Mounts Go Fast

If you have a Model 2380 Rough Terrain Crane, American H&D, and if you're in hot, wet country — start looking. The engine mounts on your carrier vehicle are probably rotting out from under you. If not now, look again in 30 days — and every month afterward. Call support if they need replacing.

PCV Value For M151

Need one? Order it . . . positive crankcase ventilation valve, FSN 2805-624-5300, for your M151-series vehicle. The old type was a non-stock item. This new type is on the shelf and waiting.

M35 A2 Mud Flap

Here's what you need for mud flap replacement on your M35A2 2½-ton cargo truck: Guard, splash wheel (complete assy), FSN 2540-993-4787; Rubber flap and strip, FSN 2540-993-4788; screw, shield only, FSN 2540-993-4788; screw, FSN 5305-269-2803; nut, FSN 5310-982-4908.

Special NMP EJR Call

Like it says in PS 211 and in TM 38-750, EIR exhibits are held "till the NMP calls for 'em." But the NMP can call for specific types of items by way of supply letters. So, review your supply letters and keep those called for EIR exhibits coming in.

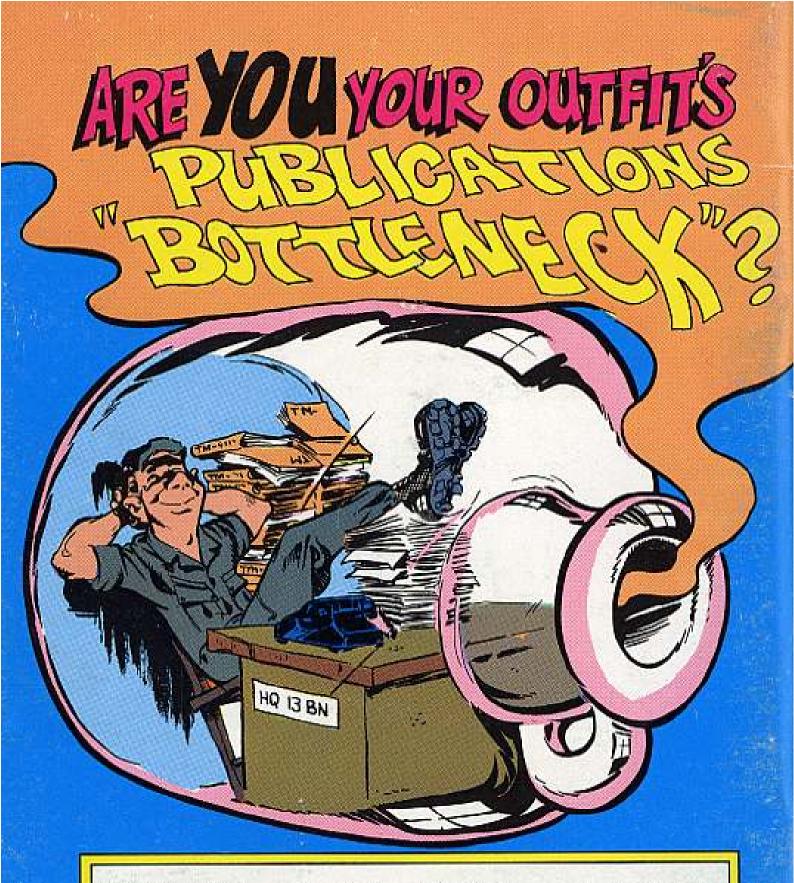
Need PU-618/M Cover?

Can't find a canvas cover for your PU-618/M generator outfit? Don't waste your time in the 5-KW TM's or the -213-14P manual for the trailer. Turn to TM 5-6115-365-15, page 3-16; request Tarpaulin, FSN 2540-914-2558. Slip it on your outfit, and it'll never know it's not coverin' a PU-619/M (they're the same size as -618/M's).

Up Periscope!

The poop from the group is that some gigs are being handed out because the M32, M32C, or M35 periscope on your tracks is missing an ID plate. The fact is, some periscope modules never had — or ever will have — an ID plate. Periscopes without plates will be identified by a stenciled-on P/N when it goes back for overhaul. Meanwhile, no need for a gig.

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



- ★DIDN'T send in Form 12 to get pubs accounts set up with pubs center (both Baltimore and St. Louis).
- ★DIDN'T send pinpoint order forms into centers.
- ★DIDN'T send in updated pinpoint forms as unit and equipment changed.
- ★DIDN'T order enough pubs for number of people who need 'em.
- **★**DIDN'T allow lower level units to have pubs accounts.
- ★ DIDN'T notify centers of changes of address.
- ★DIDN'T order extra copies on DA Form 17 as needed.